ACURA ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1590cc (1.6).....	DOHC (D16A1)		L4	86-89	1
97 1590cc (1.6).....	VTEC (D16Y8)		L4	97-00	1
1668cc (1.7).....	D17A2		L4	01-03	2
1668cc (1.7).....	(D17A2)		L4	04-05	2
1678cc (1.7).....	DOHC (B17A1)		L4	92-93	3
1797cc (1.8).....	DOHC VTEC (B18C1)		L4	94-01	4
1797cc (1.8).....	DOHC VTEC (B18C5)		L4	97-01	4
1834cc (1.8).....	DOHC (B18A1)		L4	90-93	3
1834cc (1.8).....	DOHC (B18B1)		L4	94-01	3
1998cc (2.0).....	DOHC VTEC (K20A2)		L4	02-04	5
1998cc (2.0).....	DOHC IVTEC (K20A3)		L4	02-06	6
2156cc (2.2).....	(F22B1)		L4	97-97	7
2254cc (2.3).....	(F23A1)		L4	98-99	8
2354cc (2.4).....	DOHC VTEC (K24A2)		L4	04-06	5
2494cc (2.5).....	DOHC (C25A1)		V6	86-87	9
2675cc (2.7).....	DOHC (C27A1)		V6	87-90	9
3165cc (3.2).....	Isuzu Eng. (6VD1)	V	V6	96-97	10
3494cc (3.5).....	Isuzu Eng. (6VE1)	X	V6	98-99	10

ACURA MODEL INDEX

Model	CID	cc	Liter	Description	Years
CL		2156	2.2		97
		2254	2.3		98-99
EL	97	1590	1.6	VTEC	97-00
		1668	1.7		04-05
		1668	1.7	D17A2	01-03
INTEGRA - GS		1834	1.8	DOHC	90-01
INTEGRA - GSR		1678	1.7	DOHC	92-93
		1797	1.8	DOHC VTEC	94-01
INTEGRA - LS		1590	1.6	DOHC	86-89
		1834	1.8	DOHC	90-01
INTEGRA - RS		1590	1.6	DOHC	86-89
		1834	1.8	DOHC	90-98
INTEGRA - SE		1590	1.6	DOHC	88
INTEGRA - SPECIAL EDITION LS		1590	1.6	DOHC	87
INTEGRA - SPECIAL EDITION		1834	1.8	DOHC	95-96
INTEGRA - TYPE-R		1797	1.8	DOHC VTEC	97-01
LEGEND		2494	2.5	DOHC	86-87
		2675	2.7	DOHC	87-90
LEGEND - L		2494	2.5	DOHC	87
		2675	2.7	DOHC	87-90
LEGEND - LS		2675	2.7	DOHC	87-90
RSX		1998	2.0	DOHC IVTEC	02-06
RSX - S		1998	2.0	DOHC VTEC	02-04
SLX		3165	3.2	Isuzu Eng.	96-97
		3494	3.5	Isuzu Eng.	98-99
TSX		2354	2.4	DOHC VTEC	04-06

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE — VIN — CYL — Bore x Stroke — TORQUE SETTINGS (1)

1590cc (1.6) DOHC (D16A1) — **L4** — **75mm x 90mm**
97 1590cc (1.6) VTEC (D16Y8) — **L4** — **75mm x 90mm**

Connecting Rod 23 ft.lbs/32 Nm
Main Bearing 40 ft.lbs/55 Nm (1986-87 engines)
Main Bearing 46 ft.lbs/63 Nm (1988-89 engines)
Main Bearing 18 ft.lbs/25 Nm (Step 1 - D16Y8 engines)
Main Bearing 38 ft.lbs/53 Nm (Step 2 - D16Y8 engines)

Rod									
	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.504/0.0592	.020/.0008 .038/.0015	18.50/0.728	F780	8	1956 IH	**4B1956** Std. .25 .50 .75 1.0
Main									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.007/0.0790	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957 IH	**5M1957** Std. .25 .50 .75 1.0
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.

Note: Set includes two pieces, use on No. 4 position. Required with 5M1957 main set.

ENGINE — VIN — CYL — Bore x Stroke — TORQUE SETTINGS (2)

1668cc (1.7) D17A2 — **L4** — **75mm x 94.4mm**
1668cc (1.7) (D17A2) — **L4** — **75mm x 94.4mm**

Connecting Rod 24 ft.lbs
Main Bearing 18 ft.lbs Step 1
Main Bearing 38 ft.lbs Step 2

Rod									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591	.018/.0007 .042/.0017	15.50/0.610	F780	8	1980 IH	**4B1980** Std. .25 .50
Main									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.007/0.0790	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957 IH	**5M1957** Std. .25 .50 .75 1.0
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.

ACURA

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1678cc (1.7) DOHC (B17A1)				**L4**	**81mm x 81mm**	**Connecting Rod 14 ft.lbs/20 Nm** Stage 1 (B17A1 eng. only)			
1834cc (1.8) DOHC (B18A1)				**L4**	**81mm x 89mm**	**Connecting Rod 23 ft.lbs/32 Nm** Stage 2 (B17A1 eng. only)			
1834cc (1.8) DOHC (B18B1)				**L4**	**81mm x 89mm**	**Main Bearing 56 ft.lbs/76 Nm** (B17A1 eng. only)			
						Connecting Rod 30 ft.lbs/41Nm (B18A1 engines only)			
						Main Bearing 56 ft.lbs/76 Nm (B18A1 engines only)			
						Connecting Rod 15 ft.lbs/20 Nm Stage 1 (B18B1 eng. only)			
						Connecting Rod 24 ft.lbs/33 Nm Stage 2 (B18B1 eng. only)			
						Main Bearing 22 ft.lbs/30 Nm Stage 1 (B18B1 eng. only)			
						Main Bearing 58 ft.lbs/79 Nm Stage 2 (B18B1 eng. only)			
	Rod								
4B1946 Std. .25 .50 .75 1.0		44.980/1.7709 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.504/0.0592		19.50/0.768	F780	8	1946 IH
	Main								
5M1959 Std. .25 .50 .75	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.007/0.0790		20.00/0.787	F780	10	1959 U/L
	Thrust								
1T1957 Std.	4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH
Note: Set includes two pieces, use on No. 4 position. Required with 5M1959 main set.									
4 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1797cc (1.8) DOHC VTEC (B18C1)				**L4**	**81mm x 87.2mm**	**Connecting Rod 15 ft.lbs/20 Nm** Stage 1			
1797cc (1.8) DOHC VTEC (B18C5)				**L4**	**81mm x 87.2mm**	**Connecting Rod 33 ft.lbs/45 Nm** Stage 2			
						Main Bearing 22 ft.lbs/30 Nm Stage 1 (All bolts)			
						Main Bearing 49 ft.lbs/66 Nm Stage 2 (Bolts #2, 3 & 4)			
						Main Bearing 56 ft.lbs/76 Nm Stage 2 (Bolts #1 & 5)			
	Rod - for VTEC engines from 1994 on.								
4B1925 Std. .25 .50 .75		44.980/1.7709 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591	.032/.0013 .050/.0020	17.50/0.689	F780	8	1925 IH
	Main								
5M1959 Std. .25 .50 .75	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.007/0.0790		20.00/0.787	F780	10	1959 U/L
	Thrust								
1T1957 Std.	4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH
Note: Set includes two pieces, use on No. 4 position. Required with 5M1959 main set.									
5 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1998cc (2.0) DOHC VTEC (K20A2)				**L4**	**86mm x 86mm**	**Connecting Rod**			
2354cc (2.4) DOHC VTEC (K24A2)				**L4**	**87mm x 99mm**	**Main Bearing 22 ft.lbs/30 Nm + 56 deg**			
	Rod								
4B1972H Std. .025 .25 .50		47.980/1.8890 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.500/0.0591	.020/.0008 .055/.0022	15.40/0.606	F781	8	1972H IH
	Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
4B1972HX Std.		47.980/1.8890 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.487/0.0585	.030/.0012 .090/.0035	15.40/0.606	F781	8	1972HX IH
	Main								
5M1959H Std. .025 .25	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788		20.00/0.787	F780	10	1959H U/L
	Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M1959HX Std.	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783		20.00/0.787	F780	10	1959HX U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 5
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.
Set includes two pieces. Required with 5M1959H/HX main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				6
1998cc (2.0) DOHC IVTEC (K20A3)			**L4**	**86mm x 86mm**	**Connecting Rod 14 ft.lbs + 90 deg** **Main Bearing**				
Rod									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591	.032/.0013 .050/.0020	15.50/0.610	F781	8	1906H IH	**4B1906H** Std. .025 .25 .50
Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.489/0.0586	.046/.0018 .063/.0025	15.50/0.610	F781	8	1906HX IH	**4B1906HX** Std.
Main									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788		20.00/0.787	F780	10	1959H U/L	**5M1959H** Std. .025 .25
Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783		20.00/0.787	F780	10	1959HX U/L	**5M1959HX** Std.
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.
Set includes two pieces. Required with 5M1959H/HX main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				7
2156cc (2.2) (F22B1)			**L4**	**85mm x 95mm**	**Connecting Rod 34 ft.lbs/46 Nm** **Main Bearing 52 ft.lbs/70 Nm**				
Rod									
	47.955/1.8880 47.976/1.8888	51.003/2.0080 51.024/2.0088	1.504/0.0592	.020/.0008 .086/.0034	19.40/0.764	F780	8	1936 IH	**4B1936** Std. .25 .50 .75 1.0
Main									
1-5	49.980/1.9677 50.000/1.9685	54.000/2.1260 54.020/2.1268	2.004/0.0789		20.00/0.787	F780	10	1937 IH	**5M1937** Std. .25 .50
Thrust									
4	57.650/2.2697 57.900/2.2795	77.600/3.0551 77.850/3.0650			2.49/0.098	F817	2	1937T IH	**1T1937** Std.
Note: Set includes two pieces, use on No. 4 position. Required with 5M1937 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				8
2254cc (2.3) (F23A1)			**L4**	**86mm x 97mm**	**Connecting Rod 34 ft.lbs/46 Nm** **Main Bearing 22 ft.lbs/30 Nm** Step 1 **Main Bearing 58 ft.lbs/78 Nm** Step 2				
Rod									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591	.032/.0013 .050/.0020	15.50/0.610	F781	8	1906H IH	**4B1906H** Std. .025 .25 .50
Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.489/0.0586	.046/.0018 .063/.0025	15.50/0.610	F781	8	1906HX IH	**4B1906HX** Std.
Main									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.007/0.0790	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957 IH	**5M1957** Std. .25 .50 .75 1.0
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.
Note: Set includes two pieces. Required with 5M1957 main set.									

ACURA

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
9 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
2494cc (2.5) DOHC (C25A1)				**V6**	**84mm x 75mm**		**Connecting Rod 33 ft. lbs/45 Nm** (1986-90 engines)		
2675cc (2.7) DOHC (C27A1)				**V6**	**87mm x 75mm**		**Main Bearing 29 ft.lbs/39 Nm** (1986-90) (9mm bolts only)		
							Main Bearing 36 ft.lbs/49 Nm (1986-90) (10mm side bolts only)		
							Main Bearing 41 ft lbs/55 Nm (1989) (11mm bridge bolts only)		
							Main Bearing 48 ft lbs/65 Nm (1990) (11mm bridge bolts only)		
							Main Bearing 50 ft.lbs/68 Nm (1986-88) (11mm bridge bolts only)		
	Rod								
6B1935 Std. .25 .50 .75		51.981/2.0465 51.999/2.0472	55.000/2.1654 55.025/2.1663	1.504/0.0592	.005/.0002 .072/.0028	17.50/0.689	F780	12	1935 IH
	Main - for engines with 2.7165" max housing bore.								
4M1933 Std. .25 .50 .75	1,2,3,4	63.974/2.5187 64.000/2.5197	68.986/2.7160 69.000/2.7165	2.505/0.0986		20.00/0.787	F870	8	1933 U/L
	Main - for engines with 2.6779" max housing bore.(Engine serial # 2001033 or lower and CA. emissions. For all other engines with serial number below #2502726).								
4M1934 Std. .25 .50	1,2,3,4	63.976/2.5187 64.000/2.5197	68.000/2.6772 68.020/2.6779	2.000/0.0787	.020/.0008 .048/.0019	20.00/0.787	F780	8	1934 U/L
	Thrust								
1T1934 Std.		75.250/2.9626 75.500/2.9724	93.750/3.6909 94.000/3.7008			2.50/0.098	F817	2	1934T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 4M1934 main set.								
10 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
3165cc (3.2) Isuzu Eng. (6VD1)			**V**	**V6**	**93.4mm x 77mm**		**Connecting Rod 40 ft. lbs/54 Nm**		
3494cc (3.5) Isuzu Eng. (6VE1)			**X**	**V6**	**93.4mm x 85mm**		**Main Bearing 29 ft.lbs/39 Nm**		
	Rod								
6B1840 Std. .25 .50 .75 1.0		53.922/2.1229 53.937/2.1235	56.982/2.2434 57.000/2.2441	1.513/0.0596	.019/.0007 .078/.0031	17.12/0.674	F780	12	1840 IH
	Main								
4M1842 Std. .25 .50 .75 1.0	1,4	63.919/2.5165 63.932/2.5170	68.979/2.7157 68.999/2.7165	2.527/0.0995	.025/.0010 .084/.0033	18.50/0.728	F780	4	1842 IH
	2,3	63.919/2.5165 63.932/2.5170	68.979/2.7157 68.999/2.7165	2.527/0.0995	.025/.0010 .084/.0033	16.50/0.650	F780	4	1843 U/L
	Thrust								
1T1842 Std.		71.000/2.7953 71.250/2.8051	97.550/3.8405 97.800/3.8504			1.95/0.077	F817	2	1842T IH
	Note: Set includes two pieces. Required with 4M1842 main set.								

ACURA PERFORMANCE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1590cc (1.6).....	(D16A1)		L4	86-89	1
1590cc (1.6).....	VTEC (D16Y8)		L4	97-00	1
1678cc (1.7).....	(B17A1)		L4	92-93	2
1797cc (1.8).....	VTEC (B18C1)		L4	94-01	3
1797cc (1.8).....	VTEC (B18C5)		L4	97-01	3
1834cc (1.8).....	(B18A1)		L4	90-93	2
1834cc (1.8).....	(B18B1)		L4	94-01	2
1998cc (2.0).....	VTEC (K20A2)		L4	02-04	4
1998cc (2.0).....	IVTEC (K20A3)		L4	02-06	5
2254cc (2.3).....	(F23A1)		L4		6
2354cc (2.4).....	VTEC (K24A2)		L4	04-04	4

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** — **1**

1590cc (1.6) (D16A1) — **L4** — **75mm x 90mm**
1590cc (1.6) VTEC (D16Y8) — **L4** — **75mm x 90mm**

Connecting Rod 23 ft.lbs/32 Nm
Main Bearing 40 ft.lbs/55 Nm (1986-87 engines)
Main Bearing 46 ft.lbs/63 Nm (1988-89 engines)
Main Bearing 18 ft.lbs/25 Nm (Step 1 - D16Y8 engines)
Main Bearing 38 ft.lbs/53 Nm (Step 2 - D16Y8 engines)

Rod - Race Series.

	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.499/0.0590	.020/.0008 .038/.0015	18.50/0.728	F781	8	1956H IH	**4B1956H** Std. .025 .25

Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.

	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.486/0.0585	.045/.0018 .063/.0025	18.50/0.728	F781	8	1956HX IH	**4B1956HX** Std.

Main - Race Series.

1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957H IH	**5M1957H** Std. .025 .25

Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.

1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783	.030/.0012 .097/.0038	20.00/0.787	F780	10	1957HX IH	**5M1957HX** Std.

Thrust

4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.

Note: Set includes two pieces, use on No. 4 position. Required with 5M1957H/HX main set.

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** — **2**

1678cc (1.7) (B17A1) — **L4** — **81mm x 81mm**
1834cc (1.8) (B18A1) — **L4** — **81mm x 89mm**
1834cc (1.8) (B18B1) — **L4** — **81mm x 89mm**

Connecting Rod 14 ft.lbs/20 Nm Stage 1 (B17A1 eng. only)
Connecting Rod 23 ft.lbs/32 Nm Stage 2 (B17A1 eng. only)
Main Bearing 56 ft.lbs/76 Nm (B17A1 eng. only)
Connecting Rod 30 ft.lbs/41Nm (B18A1 engines only)
Main Bearing 56 ft.lbs/76 Nm (B18A1 engines only)
Connecting Rod 15 ft.lbs/20 Nm Stage 1 (B18B1 eng. only)
Connecting Rod 24 ft.lbs/33 Nm Stage 2 (B18B1 eng. only)
Main Bearing 22 ft.lbs/30 Nm Stage 1 (B18B1 eng. only)
Main Bearing 58 ft.lbs/79 Nm Stage 2 (B18B1 eng. only)

Rod - Race Series.

	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.504/0.0592		19.50/0.768	F781	8	1946H IH	**4B1946H** Std. .025 .25

Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.

	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.491/0.0587		19.50/0.768	F781	8	1946HX IH	**4B1946HX** Std.

Main - Race Series.

1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788		20.00/0.787	F780	10	1959H U/L	**5M1959H** Std. .025 .25

Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.

1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783		20.00/0.787	F780	10	1959HX U/L	**5M1959HX** Std.

Thrust

4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.

Note: Set includes two pieces, use on No. 4 position. Required with 5M1959H/HX main set.

ACURA PERFORMANCE

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1797cc (1.8) VTEC (B18C1)				**L4**	**81mm x 87.2mm**	**Connecting Rod 15 ft.lbs/20 Nm** Stage 1			
1797cc (1.8) VTEC (B18C5)				**L4**	**81mm x 87.2mm**	**Connecting Rod 33 ft.lbs/45 Nm** Stage 2			
						Main Bearing 22 ft.lbs/30 Nm Stage 1 (All bolts)			
						Main Bearing 49 ft.lbs/66 Nm Stage 2 (Bolts #2, 3 & 4)			
						Main Bearing 56 ft.lbs/76 Nm Stage 2 (Bolts #1 & 5)			
	Rod - Race Series.								
4B1925H Std. .025 .25		44.976/1.7707 45.000/1.7717	48.000/1.8898 (nominal)	1.502/0.0591	.032/.0013 .050/.0020	17.50/0.689	F781	8	1925H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
4B1925HX Std.		44.976/1.7707 45.000/1.7717	48.000/1.8898 (nominal)	1.489/0.0586	.057/.0022 .075/.0030	17.50/0.689	F781	8	1925HX IH
	Main - Race Series.								
5M1959H Std. .025 .25	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788		20.00/0.787	F780	10	1959H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
5M1959HX Std.	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783		20.00/0.787	F780	10	1959HX U/L
	Thrust								
1T1957 Std.	4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M1959H/HX main set.								
4 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1998cc (2.0) VTEC (K20A2)				**L4**	**86mm x 86mm**	**Connecting Rod**			
2354cc (2.4) VTEC (K24A2)				**L4**	**87mm x 99mm**	**Main Bearing 22 ft.lbs/30 Nm + 56 deg**			
	Rod - Race Series.								
4B1972H Std. .025 .25 .50		47.980/1.8890 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.500/0.0591	.020/.0008 .055/.0022	15.40/0.606	F781	8	1972H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
4B1972HX Std.		47.980/1.8890 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.487/0.0585	.030/.0012 .090/.0035	15.40/0.606	F781	8	1972HX IH
	Main - Race Series.								
5M1959H Std. .025 .25	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788		20.00/0.787	F780	10	1959H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M1959HX Std.	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783		20.00/0.787	F780	10	1959HX U/L
	Thrust								
1T1957 Std.	4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH
	Set includes two pieces. Required with 5M1959H/HX main set.								
5 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1998cc (2.0) IVTEC (K20A3)				**L4**	**86mm x 86mm**	**Connecting Rod 14 ft.lbs + 90 deg**			
	Rod - Race Series.								
4B1906H Std. .025 .25 .50		44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591	.032/.0013 .050/.0020	15.50/0.610	F781	8	1906H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
4B1906HX Std.		44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.489/0.0586	.046/.0018 .063/.0025	15.50/0.610	F781	8	1906HX IH
	Main - Race Series.								
5M1959H Std. .025 .25	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788		20.00/0.787	F780	10	1959H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M1959HX Std.	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783		20.00/0.787	F780	10	1959HX U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 5
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.
Set includes two pieces. Required with 5M1959H/HX main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2254cc (2.3) (F23A1)		**L4**	**86mm x 97mm**	**Connecting Rod 34 ft.lbs/46 Nm** **Main Bearing 22 ft.lbs/30 Nm** Step 1 **Main Bearing 58 ft.lbs/78 Nm** Step 2	6

Rod - Race Series.									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591	.032/.0013 .050/.0020	15.50/0.610	F781	8	1906H IH	**4B1906H** Std. .025 .25 .50
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.489/0.0586	.046/.0018 .063/.0025	15.50/0.610	F781	8	1906HX IH	**4B1906HX** Std.
Main - Race Series.									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957H IH	**5M1957H** Std. .025 .25
Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783	.030/.0012 .097/.0038	20.00/0.787	F780	10	1957HX IH	**5M1957HX** Std.
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.
Note: Set includes two pieces. Required with 5M1957H/HX main set.									

ALFA ROMEO

ALFA ROMEO ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1570cc (1.6).....	SOHC		L4	62-74	1
1779cc (1.8).....	DOHC		L4	68-77	1
120 1961cc (2.0)...	DOHC		L4	72-90	1
120 1961cc (2.0)...	DOHC	2	L4	91-94	1

ALFA ROMEO MODEL INDEX

Model	CID	cc	Liter	Description	Years
ALFETTA - GT	120	1961	2.0	DOHC	75-77
ALFETTA - SPORT	120	1961	2.0	DOHC	75-77
BERLINA		1779	1.8	DOHC	69-71
GT VELOCE	120	1961	2.0	DOHC	72-74
SPIDER		1779	1.8	DOHC	69-71
	120	1961	2.0	DOHC	91-94
SPIDER - GRADUATE	120	1961	2.0	DOHC	85-90
SPIDER - QUADRIFOGLIO	120	1961	2.0	DOHC	86-90
SPIDER - VELOCE	120	1961	2.0	DOHC	72-94
SPORT	120	1961	2.0	DOHC	78-79
SPRINT - VELOCE	120	1961	2.0	DOHC	77-79

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
1570cc (1.6) SOHC				**L4**	**78 mm x 82 mm**		**Connecting Rod 53-60 ft. lbs/72-81 Nm**		
1779cc (1.8) DOHC				**L4**	**80 mm x 88.5mm**		**Main Bearing 51-54 ft.lbs/69-73 Nm**		
120 1961cc (2.0) DOHC				**L4**	**84 mm x 88.5mm**				
120 1961cc (2.0) DOHC			**2**	**L4**	**84 mm x 88.5mm**				
	Rod								
4B1110		49.987/1.9680	53.693/2.1139	1.836/0.0723	.021/.0008	23.44/0.923	F780	8	1110
Std. 10 20 30		50.000/1.9685	53.708/2.1145		.075/.0030				IH
	Main								
5M1112	1,3,5	59.959/2.3606	63.657/2.5062	1.829/0.0720	.027/.0011	25.52/1.005	F780	6	1112
Std. 10 20 30		59.972/2.3611	63.675/2.5069		.084/.0033				IH
	2,4	59.959/2.3606	63.657/2.5062	1.829/0.0720	.027/.0011	18.36/0.723	F780	4	1113
		59.972/2.3611	63.675/2.5069		.084/.0033				IH
	Thrust								
2T4242		65.786/2.5900	82.423/3.2450			2.36/0.093	F1	4	4242T
Std.		66.040/2.6000	82.677/3.2550						U/L

Note: Set includes two pieces. Required with 5M1112 main set.

AM GENERAL ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
379 (6.2)	Diesel	X	V8	92-94	1
395 (6.5)	Diesel	Y	V8	94-95	1

AM GENERAL MODEL INDEX

Model	CID	cc	Liter	Description	Years
HUMMER - 2 DOOR RECRUIT	379		6.2		92-94
	395		6.5		94
HUMMER - 2 PASSENGER HARDTOP ENLARGED	379		6.2		92-94
	395		6.5		94-95
HUMMER - 4 PASSENGER HARDTOP	379		6.2		92-93
	395		6.5		94-95
HUMMER - 4 PASSENGER OPEN TOP	379		6.2		92-94
	395		6.5		94-95
HUMMER - 4 PASSENGER WAGON	379		6.2		92-94
	395		6.5		94-95
HUMMER - OPEN BODY RECRUIT	379		6.2		92-93
	395		6.5		94

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			❶
379 (6.2) Diesel			**X**	**V8**	**3.98 x 3.82**	**Connecting Rod 48 ft. lbs**			
395 (6.5) Diesel			**Y**	**V8**	**4.06 x 3.82**	**Main Bearing 100 ft.lbs** (outer bolt - 6.2 diesel engine only)			
						Main Bearing 110 ft.lbs (inner bolt)			
						Main Bearing 111 ft.lbs (outer bolt - 6.5 diesel engine only)			
Rod									
	60.914/2.3982 60.940/2.3992	64.125/2.5246 64.150/2.5256	1.570/0.0618	.048/.0019 .120/.0047	22.91/0.902	F780	16	1292 IH	**8B1286P** Std. .025 .25 .50 .75
Main									
1,2,4	74.917/2.9495 74.940/2.9504	79.825/3.1427 79.850/3.1437	2.425/0.0955	.040/.0016 .114/.0045	22.78/0.897	F780	6	2087 U/L	**5M2091P** Std. .025 .25 .50 .75 1.0
3 (FI)	74.917/2.9495 74.940/2.9504	79.825/3.1427 79.850/3.1437	2.425/0.0955	.040/.0016 .114/.0045	28.70/1.130	F780	2	2089 U/L	
5	74.912/2.9493 74.937/2.9503	79.825/3.1427 79.850/3.1437	2.425/0.0955	.045/.0018 .119/.0047	35.33/1.391	F780	2	2088 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	54.976/2.1644 55.024/2.1663	59.106/2.3270 59.157/2.3290	2.030/0.0798		22.86/0.900	F23	1	GM-7-1	**5C1199S** Std.
2	54.976/2.1644 55.024/2.1663	58.877/2.3180 58.928/2.3200	1.910/0.0753		19.81/0.780	F23	1	GM-7-2	
3	54.976/2.1644 55.024/2.1663	58.623/2.3080 58.674/2.3100	1.790/0.0703		19.81/0.780	F23	1	GM-7-3	
4	54.976/2.1644 55.024/2.1663	58.369/2.2980 58.420/2.3000	1.660/0.0653		19.81/0.780	F23	1	GM-7-4	
5	50.975/2.0069 51.026/2.0089	54.381/2.1410 54.432/2.1430	1.660/0.0655		19.81/0.780	F23	1	GM-7-5	
Small End - semi-finished - .020" bore stock allowance.									
	31.026/1.2215 (Finished ID Size)	33.139/1.3047 (Nominal)			25.40/1.000	F100	1	3864Y20	**RB3864Y20** Semi

AMERICAN MOTORS

ACL Engine Bearings

AMERICAN MOTORS ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
73 1198cc	Morris Eng.		L4	54-55	1
91 1489cc	Morris Eng.		L4	56-61	1
150 (2.5)		U	L4	83-84	2
151 (2.5)	Pontiac Eng.	B	L4	80-83	3
199 (3.3)			L6	65-67	4
199 (3.3)		A	L6	68-70	4
232 (3.8)			L6	64-67	4
232 (3.8)		B	L6	68-69	4
232 (3.8)		C	L6	68-69	4
232 (3.8)		E	L6	70-79	4
232 (3.8)		G	L6	70-70	4
258 (4.2)		A	L6	71-79	4
258 (4.2)		C	L6	76-88	4
290 (4.8)			V8	66-67	5
290 (4.8)		M	V8	68-69	5
290 (4.8)		N	V8	68-69	5
304 (5.0)		H	V8	70-79	5
343 (5.6)			V8	67-67	5
343 (5.6)		S	V8	68-69	5
343 (5.6)		T	V8	68-69	5
360 (5.9)		N	V8	70-78	5
360 (5.9)		P	V8	70-76	5
390 (6.4)		X	V8	68-70	6
401 (6.6)		Z	V8	71-76	6

AMERICAN MOTORS MODEL INDEX

Model	CID	cc	Liter	Description	Years
AMBASSADOR	199		3.3		66-67
	232		3.8		65-70
	290		4.8		68-69
	304		5.0		70
	343		5.6		67-69
	360		5.9		70
	390		6.4		68-70
AMBASSADOR - BROUGHAM	304		5.0		71-74
	360		5.9		71-74
	401		6.6		71-74
AMBASSADOR - DPL	232		3.8		68-69
	258		4.2		71
	290		4.8		68-69
	304		5.0		70-71
	343		5.6		68-69
	360		5.9		70-71
	390		6.4		69-70
	401		6.6		71
AMBASSADOR - SST	290		4.8		68-69
	304		5.0		70-72
	343		5.6		68-69
	360		5.9		70-72
	390		6.4		68-70
	401		6.6		71-72
AMERICAN	199		3.3		66-68
	232		3.8		64-68
	290		4.8		67-68
	343		5.6		67
AMERICAN - 440	199		3.3		68
	232		3.8		68
	290		4.8		68
AMERICAN - ROGUE	232		3.8		68
	290		4.8		68
AMX	258		4.2		78-80
	290		4.8		68-69
	304		5.0		72-79
	343		5.6		68-69
	360		5.9		70-74
	390		6.4		68-70
	401		6.6		71-74
CLASSIC	199		3.3		65-66
	232		3.8		64-65
CONCORD	151		2.5	Pontiac Eng.	80-82
	232		3.8		78-79
	258		4.2		78-83
	304		5.0		78-79
CONCORD - DL	151		2.5	Pontiac Eng.	80-82
	258		4.2		80-83
CONCORD - LIMITED	151		2.5	Pontiac Eng.	80-82
	258		4.2		80-83
EAGLE	150		2.5		83-84
	151		2.5	Pontiac Eng.	81-83
	258		4.2		80-88
EAGLE - DL SX4	150		2.5		83
	151		2.5	Pontiac Eng.	83
	258		4.2		83
EAGLE - DL-50	151		2.5	Pontiac Eng.	81
	258		4.2		81
EAGLE - DL-50 KAMMBACK	151		2.5	Pontiac Eng.	82
	258		4.2		82
EAGLE - DL-50 SX4	151		2.5	Pontiac Eng.	81-82
	258		4.2		81-82
EAGLE - KAMMBACK	151		2.5	Pontiac Eng.	82
	258		4.2		82
EAGLE - LIMITED	150		2.5		83-84
	151		2.5	Pontiac Eng.	81-83
	258		4.2		80-87
EAGLE - SX4	150		2.5		83
	151		2.5	Pontiac Eng.	81-83
	258		4.2		81-83
GREMLIN	199		3.3		70
	232		3.8		70-78
	258		4.2		71-78
	304		5.0		72-75
GREMLIN - CUSTOM	232		3.8		76-78
	258		4.2		76-78
	304		5.0		76
HORNET	199		3.3		70
	232		3.8		70-77
	258		4.2		71-77
	304		5.0		70-77
	360		5.9		71-74
HORNET - SPORTABOUT	232		3.8		71-77
	258		4.2		71-77
	304		5.0		71-77
	360		5.9		72-74
HORNET - SST	199		3.3		70
	232		3.8		70-72
	258		4.2		71-72
	304		5.0		70-72
	360		5.9		71-72
JAVELIN	232		3.8		68-74
	258		4.2		71-74
	290		4.8		68-69
	304		5.0		70-74
	343		5.6		68-69
	360		5.9		70-74
	390		6.4		68-70
	401		6.6		71-74
JAVELIN - SST	232		3.8		68-72
	258		4.2		71-72
	290		4.8		68-69
	304		5.0		70-72
	343		5.6		68-69
	360		5.9		70-72
	390		6.4		68-70
	401		6.6		71-72
MARLIN	199		3.3		66-67
	232		3.8		65-67
	290		4.8		67
	343		5.6		67
MATADOR	232		3.8		71-74
	258		4.2		71-78
	304		5.0		71-77
	360		5.9		71-78
	401		6.6		71-76
MATADOR - BROUGHAM	232		3.8		74
	258		4.2		74
	304		5.0		74
	360		5.9		74

AMERICAN MOTORS MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
MATADOR -					
BROUGHAM	401		6.6		74
MATADOR - X	304		5.0		74
	360		5.9		74
	401		6.6		74
PACER	232		3.8		75-78
	258		4.2		75-79
	304		5.0		78-79
PACER - DL	258		4.2		80
PACER - LIMITED	258		4.2		80
RAMBLER	199		3.3		69
	232		3.8		69
	290		4.8		69
RAMBLER - 440	199		3.3		69
	232		3.8		69
	290		4.8		69
RAMBLER - ROGUE	232		3.8		69
	290		4.8		69
REBEL	199		3.3		67
	232		3.8		67-70
	290		4.8		67-69
	304		5.0		70
	343		5.6		67-69
	360		5.9		70
REBEL - 550	232		3.8		68
REBEL - 550	290		4.8		68
	343		5.6		68
REBEL - 770	232		3.8		68
	290		4.8		68
	343		5.6		68
REBEL - SST	232		3.8		69-70
	290		4.8		68-69
	304		5.0		70
	343		5.6		68-69
	360		5.9		70
	390		6.4		69-70
ROGUE	199		3.3		67
	232		3.8		67
	343		5.6		67
SPIRIT	151		2.5	Pontiac Eng.	80-82
	232		3.8		79
	258		4.2		79-82
	304		5.0		79
SPIRIT - DL	151		2.5	Pontiac Eng.	80-82
	258		4.2		80-83
SPIRIT - GT	258		4.2		83
SPIRIT - LIMITED	151		2.5	Pontiac Eng.	80
	258		4.2		80

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
73 1198cc Morris Eng.			**L4**	**64.5mm x 89mm**	**Connecting Rod 23-35 ft.lbs/31-47 Nm**				
91 1489cc Morris Eng.			**L4**	**73mm x 89mm**	**Main Bearing 70-75 ft.lbs/95-102 Nm**				
Rod									
	47.648/1.8759 47.661/1.8764	51.333/2.0210 51.346/2.0215	1.824/0.0718	.024/.0009 .076/.0030	25.53/1.005	F780	8	1891 IH	**4B1891** Std. 10 20 30 40
Main									
1,2,3	50.813/2.0005 50.825/2.0010	54.508/2.1460 54.521/2.1465	1.829/0.0720	.025/.0010 .076/.0030	35.05/1.380	F23	6	4302 IH	**3M4302** Std. 10 20 30 40
Thrust									
	56.261/2.2150 56.515/2.2250	69.596/2.7400 69.850/2.7500			2.36/0.093	F1	4	4302T U/L	**2T4302** Std.
Note: Thrust set includes 4 pieces, use on No. 2 position. Required with 3M4302 main set.									
Cam									
1	45.433/1.7887 45.446/1.7892	48.641/1.9150 48.666/1.9160	1.585/0.0624	.025/.0010 .076/.0030	37.57/1.479	F23	1	4306	**3C4306** Std.
2	43.909/1.7287 43.922/1.7292	47.117/1.8550 47.142/1.8560	1.585/0.0624	.025/.0010 .076/.0030	28.83/1.135	F23	1	4307	
3	41.217/1.6227 41.229/1.6232	44.425/1.7490 44.450/1.7500	1.585/0.0624	.025/.0010 .076/.0030	20.89/0.822	F23	1	4308	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
150 (2.5)		**U**	**L4**	**3.88 x 3.19**	**Connecting Rod 33 ft.lbs/45 Nm** **Main Bearing 80 ft.lbs/108 Nm**				
Rod									
	53.208/2.0948 53.226/2.0955	56.083/2.2080 56.096/2.2085	1.425/0.0561	.017/.0006 .074/.0029	21.26/0.837	F780	8	1480 IH	**4B960P** Std. 01 10 20 30 40 50
Main									
1,2,4,5	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	8	8872 U/L	**5M1568P** Std. 10 20 30
3 (FI)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	32.26/1.270	F780	2	8873 U/L	
Overflange length remains constant for standards and undersizes.									

AMERICAN MOTORS

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	Cam								
4C549S Std.	1	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		17.65/0.695	F23	1	N-7-1
	2	51.295/2.0195 51.321/2.0205	54.496/2.1455 54.521/2.1465	1.580/0.0620		17.65/0.695	F23	1	N-7-2
	3	51.041/2.0095 51.067/2.0105	54.242/2.1355 54.267/2.1365	1.580/0.0620		17.65/0.695	F23	1	N-7-3
	4	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		17.65/0.695	F23	1	N-7-4
3 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
151 (2.5) Pontiac Eng.		**B**	**L4**	**4.00 x 3.00**		**Connecting Rod 30 ft.lbs/41 Nm** (except crossflow) **Connecting Rod 32 ft.lbs/44 Nm** (crossflow) **Main Bearing 65 ft.lbs/88 Nm** (except crossflow) **Main Bearing 70 ft.lbs/95 Nm** (crossflow)			
	Rod - High Strength Aluminum Silicon material.								
4B610A Std. 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	8	2226A IH
	Rod - .002" oversize OD version of 4B610A.								
4B610AO/S2 10 20 30 40		50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH
	Rod - To be superceded by 4B610A when stock exhausted.								
4B610P Std. 01 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	8	2226 IH
	Rod - To be superceded by 4B610AO/S2 when stock exhausted.								
4B610PO/S2 10 20 30 40		50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/s)	.015/.0006 .067/.0026	18.84/0.742	F780	8	9070 IH
	Main								
5M1733P Std. 01 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Alt set to 5M1733P with +0.010" overflange length increase. * See below for dimensional information.								
5M7152P 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.88/1.019	F780	2	7152 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M7152P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.019"	+0.010"
.020" u/s shaft	1.019"	+0.010"
.030" u/s shaft	1.019"	+0.010"
.040" u/s shaft	1.019"	+0.010"

	Cam								
3C1030S Std.	1,2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0644		21.97/0.865	F23	3	CH-5-3

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**4**
199 (3.3)			**L6**	**3.75 x 3.00**	**Connecting Rod 27-30 ft.lbs/36-41 Nm** (1964-74 engines)				
199 (3.3)		**A**	**L6**	**3.75 x 3.00**	**Connecting Rod 30-35 ft.lbs/41-48 Nm** (1975-88 engines)				
232 (3.8)			**L6**	**3.75 x 3.50**	**Main Bearing 75-85 ft.lbs/102-115 Nm**				
232 (3.8)		**B**	**L6**	**3.75 x 3.50**					
232 (3.8)		**C**	**L6**	**3.75 x 3.50**					
232 (3.8)		**E**	**L6**	**3.75 x 3.50**					
232 (3.8)		**G**	**L6**	**3.75 x 3.50**					
258 (4.2)		**A**	**L6**	**3.75 x 3.90**					
258 (4.2)		**C**	**L6**	**3.75 x 3.90**					
Rod									
	53.208/2.0948 53.226/2.0955	56.083/2.2080 56.096/2.2085	1.425/0.0561	.017/.0006 .074/.0029	21.26/0.837	F780	12	1480 IH	**6B960P** Std. 01 10 20 30 40
Main									
1,2,4,5,6, 7	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	12	8872 U/L	**7M704P** Std. 10 20 30 40
3 (FI)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	32.26/1.270	F780	2	8873 U/L	
Overflange length remains constant for standard and undersizes.									
Main - Alt set to 7M704P with +0.010" overflange length increase. * See below for dimensional information.									
1,2,4,5,6, 7	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	12	8872 U/L	**7M8879P** 10 20 30 40
3 (FI)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	32.26/1.280	F780	2	8879 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 7M8879P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.280"	+0.010"
.020" u/s shaft	1.280"	+0.010"
.030" u/s shaft	1.280"	+0.010"
.040" u/s shaft	1.280"	+0.010"

Cam									
1	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		17.65/0.695	F23	1	N-7-1	**4C549S** Std.
2	51.295/2.0195 51.321/2.0205	54.496/2.1455 54.521/2.1465	1.580/0.0620		17.65/0.695	F23	1	N-7-2	
3	51.041/2.0095 51.067/2.0105	54.242/2.1355 54.267/2.1365	1.580/0.0620		17.65/0.695	F23	1	N-7-3	
4	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		17.65/0.695	F23	1	N-7-4	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**5**
290 (4.8)			**V8**	**3.75 x 3.28**	**Connecting Rod 27-30 ft.lbs/36-41 Nm** (1966-74 engines)				
290 (4.8)		**M**	**V8**	**3.75 x 3.28**	**Connecting Rod 30-35 ft.lbs/41-48 Nm** (1975-79 engines)				
290 (4.8)		**N**	**V8**	**3.75 x 3.28**	**Main Bearing 95-105 ft.lbs/129-142 Nm** (1966-79 engines)				
304 (5.0)		**H**	**V8**	**3.75 x 3.28**					
343 (5.6)			**V8**	**3.75 x 3.28**					
343 (5.6)		**S**	**V8**	**3.75 x 3.28**					
343 (5.6)		**T**	**V8**	**3.75 x 3.28**					
360 (5.9)		**N**	**V8**	**4.08 x 3.44**					
360 (5.9)		**P**	**V8**	**4.08 x 3.44**					
Rod									
	53.208/2.0948 53.226/2.0955	56.083/2.2080 56.096/2.2085	1.425/0.0561	.017/.0007 .074/.0029	21.26/0.837	F780	16	1480 IH	**8B960P** Std. 01 10 20 30 40

AMERICAN MOTORS

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
5 (Cont'd.)									
	Main - full groove.								
5M1041P Std. 10 20 30 40	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1482 U
	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1484 L
	3 (FI)	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	32.26/1.270	F780	2	1483 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - full groove. Alt set to 5M1041P, with 0.010" overwidth flange increase for undersizes.* See below for dimensional information.								
5M1485P 10 20 30 40	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1482 U
	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1484 L
	3 (FI)	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	32.51/1.280	F780	2	1485 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M1485P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.280"	+0.010"
.020" u/s shaft	1.280"	+0.010"
.030" u/s shaft	1.280"	+0.010"
.040" u/s shaft	1.280"	+0.010"

	Cam								
5C671S Std.	1	53.835/2.1195 53.861/2.1205	57.036/2.2455 57.061/2.2465	1.580/0.0620		23.50/0.925	F23	1	N-9-1
	2	53.073/2.0895 53.099/2.0905	56.274/2.2155 56.299/2.2165	1.580/0.0620		16.00/0.630	F23	1	N-8-2
	3	52.311/2.0595 52.337/2.0605	55.512/2.1855 55.537/2.1865	1.580/0.0620		16.00/0.630	F23	1	N-8-3
	4	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		16.00/0.630	F23	1	N-8-4
	5	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		16.00/0.630	F23	1	N-8-5

6 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
390 (6.4)	**X**	**V8**	**4.165 x 3.574**	**Connecting Rod 35-40 ft.lbs/47-54Nm**
401 (6.6)	**Z**	**V8**	**4.165 x 3.680**	**Main Bearing 95-100 ft.lbs/129-136 Nm**

	Rod								
8B819P Std. 10 20		57.094/2.2478 57.112/2.2485	60.312/2.3745 60.325/2.3750	1.582/0.0623	.048/.0019 .104/.0041	20.45/0.805	F780	16	CB819P IH
	Main - full groove.								
5M1041P Std. 10 20 30 40	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1482 U
	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1484 L
	3 (FI)	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	32.26/1.270	F780	2	1483 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) **6**
Main - full groove. Alt set to 5M1041P, with 0.010" overwidth flange increase for undersizes.* See below for dimensional information.									**5M1485P** 10 20 30 40
1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1482 U	
1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1484 L	
3 (FI)	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	32.51/1.280	F780	2	1485 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M1485P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.280"	+0.010"
.020" u/s shaft	1.280"	+0.010"
.030" u/s shaft	1.280"	+0.010"
.040" u/s shaft	1.280"	+0.010"

Cam									**5C671S** Std.
1	53.835/2.1195 53.861/2.1205	57.036/2.2455 57.061/2.2465	1.580/0.0620		23.50/0.925	F23	1	N-9-1	
2	53.073/2.0895 53.099/2.0905	56.274/2.2155 56.299/2.2165	1.580/0.0620		16.00/0.630	F23	1	N-8-2	
3	52.311/2.0595 52.337/2.0605	55.512/2.1855 55.537/2.1865	1.580/0.0620		16.00/0.630	F23	1	N-8-3	
4	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		16.00/0.630	F23	1	N-8-4	
5	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		16.00/0.630	F23	1	N-8-5	

AUDI

ACL Engine Bearings

AUDI ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1471cc (1.5).....	Gas (XV)		L4	74-74	1
1471cc (1.5).....	Gas (XW)		L4	74-74	1
1471cc (1.5).....	Gas (XY)		L4	74-74	1
1471cc (1.5).....	Gas (XZ)		L4	74-74	1
1471cc (1.5).....	Gas (ZD)		L4	73-73	1
1471cc (1.5).....	Gas (ZE)		L4	73-73	1
97 1588cc (1.6).....	(CR),Diesel	G	L4	82-84	2
97 1588cc (1.6).....	(CY), Turbo,Diesel	H	L4	82-83	2
97 1588cc (1.6).....	(JK),Diesel	G	L4	83-83	2
97 1588cc (1.6).....	Gas (YG)		L4	75-80	1
97 1588cc (1.6).....	Gas (YH)		L4	75-80	1
97 1588cc (1.6).....	Gas (YK)		L4	76-76	1
1715cc (1.7).....	Gas (WT)	A	L4	81-83	1
1780cc (1.8).....	Gas, SOHC (JN)	A	L4	84-84	3
1780cc (1.8).....	Gas, SOHC (MG)	B	L4	85-87	3
1780cc (1.8).....	Gas, SOHC (MG)	C	L4	87-87	3
1781cc (1.8).....	(AEB), Turbo	B	L4	97-99	4
1781cc (1.8).....	(AMB), Turbo		L4	03-04	4
1781cc (1.8).....	(AMB), Turbo	C	L4	02-04	4
1781cc (1.8).....	(AMU), Turbo	T	L4	01-02	4
1781cc (1.8).....	(ATC), Turbo	C	L4	00-00	4
1781cc (1.8).....	(ATW), Turbo	C	L4	00-00	4
1781cc (1.8).....	(AWM), Turbo		L4	01-01	4
1781cc (1.8).....	(AWM), Turbo	C	L4	01-01	4
1781cc (1.8).....	(AWP), Turbo	C	L4	01-04	4
1983cc (2.0).....	Gas, SOHC (3A)	A	L4	90-90	3
1983cc (2.0).....	Gas, SOHC (3A)	B	L4	88-90	3
1986cc (2.0).....	(CN),Diesel		L5	79-80	5
1986cc (2.0).....	(CN),Diesel	G	L5	81-81	5
1986cc (2.0).....	(DE), Turbo,Diesel	H	L5	82-85	5
2144cc (2.2).....	(WD)		L5	78-80	7
2144cc (2.2).....	(WD)	B	L5	81-83	7
2144cc (2.2).....	(WE)		L5	78-80	6
2144cc (2.2).....	(WE)	B	L5	81-84	6
2144cc (2.2).....	(WK), Turbo		L5	80-80	6
2144cc (2.2).....	(WK), Turbo	C	L5	81-83	6
2144cc (2.2).....	(WX), Turbo	C	L5	83-85	7
2226cc (2.2).....	(3B), Turbo	E	L5	91-91	8
2226cc (2.2).....	(AAN), Turbo	A	L5	95-97	8
2226cc (2.2).....	(AAN), Turbo	P	L5	92-93	8
2226cc (2.2).....	(AAN), Turbo	R	L5	92-94	8
2226cc (2.2).....	(JT)	B	L5	84-87	8
2226cc (2.2).....	(KX)	A	L5	84-84	8
2226cc (2.2).....	(KX)	C	L5	85-86	8
2226cc (2.2).....	(KX)	D	L5	84-87	8
2226cc (2.2).....	(KX)	E	L5	87-87	8
2226cc (2.2).....	(KZ)	B	L5	85-88	8
2226cc (2.2).....	(MC), Turbo	C	L5	89-89	9
2226cc (2.2).....	(MC), Turbo	D	L5	86-91	9
2226cc (2.2).....	(MC), Turbo	E	L5	86-88	9
2309cc (2.3).....	DOHC (7A)	E	L5	90-91	8
2309cc (2.3).....	(NF)	B	L5	87-89	8
2309cc (2.3).....	(NF)	C	L5	87-91	8
2309cc (2.3).....	(NG)	B	L5	89-89	8
2309cc (2.3).....	(NG)	C	L5	87-92	8
2309cc (2.3).....	(NG)	D	L5	90-92	8

AUDI MODEL INDEX

Model	CID	cc	Liter	Description	Years
100		2309	2.3		89-91
100 - E		2309	2.3		89
100 QUATTRO		2309	2.3		89-91
200		2226	2.2		89-91
200 QUATTRO		2226	2.2		89-90
200 QUATTRO - 10V		2226	2.2		91
200 QUATTRO - 20V		2226	2.2		91
4000	97	1588	1.6		82-83
	97	1588	1.6	Gas	80
		1715	1.7	Gas	81-83
		2144	2.2		80-83
4000CS QUATTRO		2226	2.2		86-87
4000S		1780	1.8	Gas, SOHC	84-87
		2144	2.2		84
		2226	2.2		85-86
4000S QUATTRO		2226	2.2		84-85
5000		1986	2.0		79-85
		2144	2.2		78-83
5000 - CS		2226	2.2		86-88
5000 - S		1986	2.0		79-81
		2144	2.2		79-83
		2226	2.2		85-88
		2309	2.3		87-88
5000 - TURBO		2144	2.2		81-83
5000CS QUATTRO		2226	2.2		86-88
5000S QUATTRO		2309	2.3		87-88
80		1983	2.0	Gas, SOHC	88-90
		2309	2.3		91-92
80 QUATTRO		2309	2.3		88-92
90		1983	2.0	Gas, SOHC	88
		2309	2.3		88-91
90 QUATTRO		2309	2.3		88-89
90 QUATTRO - 20V		2309	2.3	DOHC	90-91
A4		1781	1.8		97-04
A4 - CABRIOLET		1781	1.8		03-04
A4 QUATTRO		1781	1.8		97-04
A4 QUATTRO - AVANT		1781	1.8		99-04
A4 QUATTRO - CABRIOLET		1781	1.8		04
COUPE		2144	2.2		81-82
COUPE - GT		2144	2.2		83-84
		2226	2.2		84-87
		2309	2.3		87
COUPE QUATTRO - 20V		2309	2.3	DOHC	90-91
FOX		1471	1.5	Gas	73-74
	97	1588	1.6	Gas	75-79
QUATTRO		2144	2.2		83-85
S4		2226	2.2		92-94
S6		2226	2.2		95-97
TT		1781	1.8		00-04
TT QUATTRO		1781	1.8		00-02

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
1471cc (1.5) Gas (XV)			**L4**	**76.5mm x 80mm**	**Connecting Rod 33 ft. lbs./45 Nm**				
1471cc (1.5) Gas (XW)			**L4**	**76.5mm x 80mm**	**Main Bearing 47 ft. lbs/64 Nm**				
1471cc (1.5) Gas (XY)			**L4**	**76.5mm x 80mm**					
1471cc (1.5) Gas (XZ)			**L4**	**76.5mm x 80mm**					
1471cc (1.5) Gas (ZD)			**L4**	**76.5mm x 80mm**					
1471cc (1.5) Gas (ZE)			**L4**	**76.5mm x 80mm**					
97 1588cc (1.6) Gas (YG)			**L4**	**79.5mm x 80mm**					
97 1588cc (1.6) Gas (YH)			**L4**	**79.5mm x 80mm**					
97 1588cc (1.6) Gas (YK)			**L4**	**79.5mm x 80mm**					
1715cc (1.7) Gas (WT)		**A**	**L4**	**79.5mm x 86mm**					
Rod									
	45.949/1.8090 45.969/1.8098	49.000/1.9291 49.017/1.9298	1.506/0.0593	.018/.0007 .082/.0032	19.00/0.748	F780	8	1636 IH	**4B1636** Std. .25 .50 .75 1.0
Main - for engines with flanged thrust main bearings only.									
1,2,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	3	1644 L	**5M1645** Std. .25 .50 .75 1.0
1,2,4,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	4	1648 U	
4	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	1	1648 L	
3 (FI)	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	24.93/0.981	F780	2	1645 U/L	
Small End - not bored, single pieces.									
	21.996/0.8660 22.000/0.8661	25.000/0.9843 25.033/0.9855			25.00/0.984	F100	1	RB4053	**RB4053** Semi
AR Auxiliary									
1	42.959/1.6913 42.975/1.6919	46.000/1.8110 46.025/1.8120			15.00/0.591	F23	1	7006	**2BS7006** Semi
2	41.959/1.6519 41.975/1.6526	45.000/1.7717 45.025/1.7726			15.00/0.591	F23	1	7007	
AR Auxiliary									
1	42.959/1.6913 42.974/1.6919	45.999/1.8110 46.025/1.8120	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-1	**2C1209S** Std.
2	41.958/1.6519 41.974/1.6525	44.999/1.7716 45.024/1.7726	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-2	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
97 1588cc (1.6) (CR) Diesel		**G**	**L4**	**76.5mm x 86.4mm**	**Connecting Rod 22 ft.lbs/30 Nm + 90 deg** (Turbo)				
97 1588cc (1.6) (CY) Turbo Diesel		**H**	**L4**	**76.5mm x 86.4mm**	**Connecting Rod 33 ft. lbs/45 Nm** (Non-Turbo)				
97 1588cc (1.6) (JK) Diesel		**G**	**L4**	**76.5mm x 86.4mm**	**Main Bearing 48 ft. lbs/65 Nm** (Turbo)				
Rod									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	8	1606A IH	**4B1606A** Std. .25 .50 .75 1.0
Main - for engines with flanged thrust main bearings only.									
1,2,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	3	1644 L	**5M1645** Std. .25 .50 .75 1.0
1,2,4,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	4	1648 U	
4	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	1	1648 L	
3 (FI)	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	24.93/0.981	F780	2	1645 U/L	
Small End - not bored, single pieces.									
	23.996/0.9447 24.000/0.9449	27.000/1.0630 27.025/1.0640			29.30/1.154	F100	1	RB4071	**RB4071** Semi
AR Auxiliary									
1	42.959/1.6913 42.975/1.6919	46.000/1.8110 46.025/1.8120			15.00/0.591	F23	1	7006	**2BS7006** Semi
2	41.959/1.6519 41.975/1.6526	45.000/1.7717 45.025/1.7726			15.00/0.591	F23	1	7007	

AUDI

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	AR Auxiliary								
2C1209S Std.	1	42.959/1.6913 42.974/1.6919	45.999/1.8110 46.025/1.8120	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-1
	2	41.958/1.6519 41.974/1.6525	44.999/1.7716 45.024/1.7726	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-2
3 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1780cc (1.8) Gas, SOHC (JN)			**A**	**L4**	**81mm x 86mm**	**Connecting Rod 22ft.lbs + 90 deg/30Nm + 90 deg**			
1780cc (1.8) Gas, SOHC (MG)			**B**	**L4**	**81mm x 86mm**	**Main Bearing 50ft.lbs/68Nm**			
1780cc (1.8) Gas, SOHC (MG)			**C**	**L4**	**81mm x 86mm**				
1983cc (2.0) Gas, SOHC (3A)			**A**	**L4**	**83mm x 93mm**				
1983cc (2.0) Gas, SOHC (3A)			**B**	**L4**	**83mm x 93mm**				
	Rod								
4B1606A Std. .25 .50 .75 1.0		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	8	1606A IH
	Main - for engines with flanged thrust main bearings only.								
5M1645 Std. .25 .50 .75 1.0	1,2,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	3	1644 L
	1,2,4,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	4	1648 U
	4	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	1	1648 L
	3 (Fl)	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	24.93/0.981	F780	2	1645 U/L
	AR Auxiliary								
2BS7006 Semi	1	42.959/1.6913 42.975/1.6919	46.000/1.8110 46.025/1.8120			15.00/0.591	F23	1	7006
	2	41.959/1.6519 41.975/1.6526	45.000/1.7717 45.025/1.7726			15.00/0.591	F23	1	7007
	AR Auxiliary								
2C1209S Std.	1	42.959/1.6913 42.974/1.6919	45.999/1.8110 46.025/1.8120	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-1
	2	41.958/1.6519 41.974/1.6525	44.999/1.7716 45.024/1.7726	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-2
4 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1781cc (1.8) (AEB) Turbo			**B**	**L4**	**81mm x 86.4mm**				
1781cc (1.8) (AMB) Turbo				**L4**	**81mm x 86.4mm**				
1781cc (1.8) (AMB) Turbo			**C**	**L4**	**81mm x 86.4mm**				
1781cc (1.8) (AMU) Turbo			**T**	**L4**	**81mm x 86.4mm**				
1781cc (1.8) (ATC) Turbo			**C**	**L4**	**81mm x 86.4mm**				
1781cc (1.8) (ATW) Turbo			**C**	**L4**	**81mm x 86.4mm**				
1781cc (1.8) (AWM) Turbo				**L4**	**81mm x 86.4mm**				
1781cc (1.8) (AWM) Turbo			**C**	**L4**	**81mm x 86.4mm**				
1781cc (1.8) (AWP) Turbo			**C**	**L4**	**81mm x 86.4mm**				
	Rod								
4B1606A Std. .25 .50 .75 1.0		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	8	1606A IH
	Rod								
4B1606H Std. .025 .25 .50		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F781	8	1606H IH
	Rod - for engines using a rod bearing with no tang and 18.50 mm wide.								
4B1615A Std. .25 .50 .75		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .067/.0026	18.50/0.728	F810	8	1615A IH
	Main - Trimetal material - half groove set.								
5M1644 Std. .25 .50 .75	1,2,3,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.50/0.728	F780	4	1644 L
	1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.50/0.728	F780	6	1648 U

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 4
Main - High Strength Aluminum Silicon material - half groove set.									
1-5	53.963/2.1245 53.983/2.1253	59.000/2.3228 59.010/2.3232	2.508/0.0987	.006/.0002 .061/.0024	18.50/0.728	F810	5	1668A U	**5M1668A** Std. .25 .50 .75
1-5	53.963/2.1245 53.983/2.1253	59.000/2.3228 59.010/2.3232	2.508/0.0987	.006/.0002 .061/.0024	18.50/0.728	F810	5	1669A L	
Thrust									
	59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L	**2T1644** Std.

Note : Set contains four pieces. Required with 5M1644/5M1668A main sets.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
1986cc (2.0) (CN) Diesel		**L5**	**76.5mm x 86mm**	**Connecting Rod 33ft.lbs/44Nm**
1986cc (2.0) (CN) Diesel	**G**	**L5**	**76.5mm x 86mm**	**Main Bearing 47ft.lbs/63Nm**
1986cc (2.0) (DE) Turbo Diesel	**H**	**L5**	**76.5mm x 86mm**	

Rod									**5**
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	10	1606A IH	**5B1606A** Std. .25 .50 .75 1.0
Main - For engines 1979-85 equipped with thrustwashers.									
1-6	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	18.50/0.728	F780	12	1604 U/L	**6M1604** Std. .25 .50 .75
Main - for 1979 engines with flanged thrust main bearings only.									
1,2,4,5,6	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	18.50/0.728	F780	10	1604 U/L	**6M1605** Std. .25 .50 .75
3 (FI)	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	24.93/0.982	F780	2	1605 U/L	
Thrust									
	59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L	**2T1644** Std.

Note : Set includes four pieces. Required with 5M1604 main set.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
2144cc (2.2) (WE)		**L5**	**79.5mm x 86.4mm**	**Connecting Rod 36 ft.lbs/50 Nm**
2144cc (2.2) (WE)	**B**	**L5**	**79.5mm x 86.4mm**	**Main Bearing 47 ft.lbs/64 Nm**
2144cc (2.2) (WK) Turbo		**L5**	**79.5mm x 86.4mm**	
2144cc (2.2) (WK) Turbo	**C**	**L5**	**79.5mm x 86.4mm**	

Rod									**6**
	45.949/1.8090 45.969/1.8098	49.000/1.9291 49.017/1.9298	1.506/0.0593	.019/.0007 .082/.0032	19.00/0.748	F780	10	1636 IH	**5B1636** Std. .25 .50 .75 1.0
Main									
1,2,4,5,6	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	18.50/0.728	F780	10	1604 U/L	**6M1605** Std. .25 .50 .75
3 (FI)	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	24.93/0.982	F780	2	1605 U/L	
Small End - single pieces, not bored.									
	21.996/0.8660 22.000/0.8661	25.000/0.9843 25.033/0.9855			25.00/0.984	F100	1	RB4053	**RB4053** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
2144cc (2.2) (WD)		**L5**	**79.5mm x 86.4mm**	**Connecting Rod 36 ft.lbs/50 Nm**
2144cc (2.2) (WD)	**B**	**L5**	**79.5mm x 86.4mm**	**Main Bearing 47 ft.lbs/64 Nm**
2144cc (2.2) (WX) Turbo	**C**	**L5**	**79.5mm x 86.4mm**	

Rod									**7**
	45.949/1.8090 45.969/1.8098	49.000/1.9291 49.017/1.9298	1.506/0.0593	.019/.0007 .082/.0032	19.00/0.748	F780	10	1636 IH	**5B1636** Std. .25 .50 .75 1.0
Main - engines from 1979-85.									
1-6	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	18.50/0.728	F780	12	1604 U/L	**6M1604** Std. .25 .50 .75

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 (Cont'd.)									
	Main - 1978 engines only.								
6M1605 Std. .25 .50 .75	1,2,4,5, 6	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	18.50/0.728	F780	10	1604 U/L
	3 (FI)	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	24.93/0.982	F780	2	1605 U/L
	Thrust								
2T1644 Std.		59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L
	Note : Set includes four pieces. Required with 5M1604 main set.								
	Small End - single pieces, not bored.								
RB4053 Semi		21.996/0.8660 22.000/0.8661	25.000/0.9843 25.033/0.9855			25.00/0.984	F100	1	RB4053

8 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2226cc (2.2) (3B) Turbo	**E**	**L5**	**81mm x 86.4mm**	**Connecting Rod 22 ft.lbs/30 Nm + 90 deg.**
2226cc (2.2) (AAN) Turbo	**A**	**L5**	**81mm x 86.4mm**	**Main Bearing 47 ft.lbs/64 Nm**
2226cc (2.2) (AAN) Turbo	**P**	**L5**	**81mm x 86.4mm**	
2226cc (2.2) (AAN) Turbo	**R**	**L5**	**81mm x 86.4mm**	
2226cc (2.2) (JT)	**B**	**L5**	**81mm x 86.4mm**	
2226cc (2.2) (KX)	**A**	**L5**	**81mm x 86.4mm**	
2226cc (2.2) (KX)	**C**	**L5**	**81mm x 86.4mm**	
2226cc (2.2) (KX)	**D**	**L5**	**81mm x 86.4mm**	
2226cc (2.2) (KX)	**E**	**L5**	**81mm x 86.4mm**	
2226cc (2.2) (KZ)	**B**	**L5**	**81mm x 86.4mm**	
2309cc (2.3) DOHC (7A)	**E**	**L5**	**81mm x 86.4mm**	
2309cc (2.3) (NF)	**B**	**L5**	**81mm x 86.4mm**	
2309cc (2.3) (NF)	**C**	**L5**	**81mm x 86.4mm**	
2309cc (2.3) (NG)	**B**	**L5**	**81mm x 86.4mm**	
2309cc (2.3) (NG)	**C**	**L5**	**81mm x 86.4mm**	
2309cc (2.3) (NG)	**D**	**L5**	**81mm x 86.4mm**	

	Rod								
5B1606A Std. .25 .50 .75 1.0		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	10	1606A IH
	Main								
6M1604 Std. .25 .50 .75	1-6	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	18.50/0.728	F780	12	1604 U/L
	Thrust								
2T1644 Std.		59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L
	Note : Set includes four pieces. Required with 5M1604 main set.								

9 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2226cc (2.2) (MC) Turbo	**C**	**L5**	**81mm x 86.4mm**	**Connecting Rod 22 ft.lbs/30 Nm + 90 deg.**
2226cc (2.2) (MC) Turbo	**D**	**L5**	**81mm x 86.4mm**	**Main Bearing 47 ft.lbs/64 Nm**
2226cc (2.2) (MC) Turbo	**E**	**L5**	**81mm x 86.4mm**	

	Rod								
5B1636 Std. .25 .50 .75 1.0		45.949/1.8090 45.969/1.8098	49.000/1.9291 49.017/1.9298	1.506/0.0593	.019/.0007 .082/.0032	19.00/0.748	F780	10	1636 IH
	Main								
6M1604 Std. .25 .50 .75	1-6	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	18.50/0.728	F780	12	1604 U/L
	Thrust								
2T1644 Std.		59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L
	Note : Set includes four pieces. Required with 5M1604 main set.								

AUSTIN ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
52 848cc (0.9).....			L4	59-78	1
948cc.....			L4	58-64	1
970cc.....			L4	63-65	2
61 997cc (1.0).....			L4	62-64	3
998cc.....			L4	61-78	3
65 1071cc (1.1).....			L4	63-65	2
1098cc.....			L4	61-78	3
67 1100cc (1.1).....			L4	61-78	2
78 1275cc (1.3).....			L4	63-78	2
1798cc (1.8).....			L4	66-78	4

AUSTIN MODEL INDEX

Model	CID	cc	Liter	Description	Years
AMERICA	78	1275	1.3		68-72
HEALEY SPRITE	67	1100	1.1		63-66
	78	1275	1.3		67
HEALEY SPRITE - MK IV	78	1275	1.3		68-70
MARINA		1798	1.8		73-75
MARINA - GT		1798	1.8		73-75
MINI	52	848	0.9		60-66
MINI COOPER	61	997	1.0		62-64
	65	1071	1.1		64
	78	1275	1.3		64-69

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN** **CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
52 848cc (0.9)			**L4**	**63mm x 68mm**	**Connecting Rod 35 ft.lbs/47 Nm**				
948cc			**L4**	**63mm x 76mm**	**Main Bearing 60-65 ft.lbs/81-88 Nm**				
Rod									
	41.285/1.6254 41.298/1.6259	44.971/1.7705 44.983/1.7710	1.826/0.0719	.020/.0008 .071/.0028	22.35/0.880	F780	8	2201 IH	**4B2201** Std. 10 20 30 40
Main									
1,2,3	44.463/1.7505 44.475/1.7510	48.158/1.8960 48.171/1.8965	1.834/0.0722	.015/.0006 .066/.0026	30.22/1.190	F780	6	2202 IH	**3M2202** Std. 10 20 30 40
Thrust - heavy duty material.									
2	49.911/1.9650 50.165/1.9750	61.849/2.4350 62.103/2.4450			2.36/0.093	F250	4	2202T U/L	**2T2202** Std.
Note: Set includes four pieces, use on No. 2 position. Required with 3M2202 main set.									
Cam									
1	42.278/1.6645 42.291/1.6650	45.606/1.7955 45.631/1.7965	1.638/0.0645	.039/.0015 .127/.0050	28.83/1.135	F23	1	4096	**1C4096** Std.
ENGINE			**VIN** **CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
970cc			**L4**	**71mm x 62mm**	**Connecting Rod 35 ft.lbs/47 Nm**				
65 1071cc (1.1)			**L4**	**71mm x 68mm**	**Main Bearing 60 ft.lbs/81 Nm**				
67 1100cc (1.1)			**L4**	**64.5mm x 84mm**					
78 1275cc (1.3)			**L4**	**70.5mm x 81mm**					
Rod - for engines with 1.6254/1.6259" standard journal.									
	41.285/1.6254 41.298/1.6259	44.971/1.7705 44.983/1.7710	1.826/0.0719	.020/.0008 .071/.0028	22.35/0.880	F780	8	2201 IH	**4B2201** Std. 10 20 30 40
Rod - for engines with 1.7504/1.7509" standard journal.									
	44.460/1.7504 44.473/1.7509	48.146/1.8955 48.158/1.8960	1.824/0.0718	.025/.0010 .076/.0030	21.59/0.850	F780	8	2206 IH	**4B2206** Std. 10 20 30 40
Main									
1,2,3	50.183/2.0005 50.825/2.0010	54.508/2.1460 54.521/2.1465	1.829/0.0720	.025/.0010 .076/.0030	25.52/1.005	F780	6	2204 IH	**3M2204** Std. 10 20 30 40
Thrust									
2	56.260/2.2150 56.510/2.2248	76.070/2.9949 76.330/3.0051			2.36/0.093	F250	4	2204T U/L	**2T2204** Std.
Note: Set includes four pieces, use on No. 2 position. Required with 3M2204 main set.									
Cam - for all engines except 1098cc and 1275cc - 1964 on.									
1	42.278/1.6645 42.291/1.6650	45.606/1.7955 45.631/1.7965	1.638/0.0645	.039/.0015 .127/.0050	28.83/1.135	F23	1	4096	**3C4095** Std.
2	41.217/1.6227 41.229/1.6232	44.526/1.7530 44.552/1.7540	1.628/0.0641	.041/.0016 .129/.0051	19.30/0.760	F23	1	4094	
3	34.867/1.3727 34.879/1.3732	38.176/1.5030 38.202/1.5040	1.628/0.0641	.041/.0016 .129/.0051	13.74/0.541	F23	1	4095	

AUSTIN

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	Cam - for 1098cc and 1275cc engines 1964 on.								
3C4099 Std.	1	42.278/1.6645 42.291/1.6650	45.606/1.7955 45.631/1.7965	1.638/0.0645	.039/.0015 .127/.0050	28.83/1.135	F23	1	4096
	2	41.217/1.6227 41.229/1.6232	44.526/1.7530 44.552/1.7540	1.628/0.0641	.041/.0016 .129/.0051	19.30/0.760	F23	1	4094
	3	34.867/1.3727 34.887/1.3735	38.189/1.5035 38.209/1.5043	1.641/0.0646	.020/.0008 .112/.0044	19.30/0.760	F23	1	4099
3 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
61 997cc (1.0)			**L4**	**62mm x 81mm**		**Connecting Rod 35 ft.lbs/47 Nm**			
998cc			**L4**	**65mm x 76mm**		**Main Bearing 70-75 ft.lbs/95-101 Nm**			
1098cc			**L4**	**64.5mm x 84mm**					
	Rod								
4B2201 Std. 10 20 30 40		41.285/1.6254 41.298/1.6259	44.971/1.7705 44.983/1.7710	1.826/0.0719	.020/.0008 .071/.0028	22.35/0.880	F780	8	2201 IH
	Main								
3M2203 Std. 10 20 30 40 50	1,2,3	44.463/1.7505 44.475/1.7510	48.158/1.8960 48.171/1.8965	1.829/0.0720	.025/.0010 .076/.0030	27.10/1.067	F780	6	2203 IH
	Thrust								
2T2203 Std.	2	49.910/1.9650 50.160/1.9748	71.760/2.8252 72.010/2.8350			2.36/0.093	F250	4	2203T U/L
	Note: Set includes four pieces, use on No. 2 position. Required with 3M2203 main set.								
	Cam								
3C4095 Std.	1	42.278/1.6645 42.291/1.6650	45.606/1.7955 45.631/1.7965	1.638/0.0645	.039/.0015 .127/.0050	28.83/1.135	F23	1	4096
	2	41.217/1.6227 41.229/1.6232	44.526/1.7530 44.552/1.7540	1.628/0.0641	.041/.0016 .129/.0051	19.30/0.760	F23	1	4094
	3	34.867/1.3727 34.879/1.3732	38.176/1.5030 38.202/1.5040	1.628/0.0641	.041/.0016 .129/.0051	13.74/0.541	F23	1	4095
	Small End - not bored.								
RB843 Semi		15.862/0.6245 15.875/0.6250	19.037/0.7495 19.062/0.7505			22.22/0.875	F100	1	RB843
4 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1798cc (1.8)			**L4**	**80.2mm x 88.9mm**		**Connecting Rod 40-45 ft.lbs/54-61 Nm** **Main Bearing 70 ft.lbs/95 Nm**			
	Rod								
4B2250 Std. 10 20 30 40		47.648/1.8759 47.660/1.8764	51.333/2.0210 51.346/2.0215	1.816/0.0715	.041/.0016 .092/.0036	20.06/0.790	F780	8	2250 IH
	Main								
5M2255 Std. 10 20 30	1,3,5	54.013/2.1265 54.026/2.1270	57.683/2.2710 57.696/2.2715	1.816/0.0715	.025/.0010 .067/.0026	28.70/1.130	F820	6	2254AL IH
	2,4	54.013/2.1265 54.026/2.1270	57.683/2.2710 57.696/2.2715	1.816/0.0715	.025/.0010 .067/.0026	19.55/0.770	F820	4	2255AL IH
	Thrust								
2T2252 Std.	2	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.36/0.093	F1	4	2252T U/L
	Note: Set includes four pieces, use on No. 2 position. Required with 5M2255 main set.								
	Cam								
3C4306 Std.	1	45.433/1.7887 45.446/1.7892	48.641/1.9150 48.666/1.9160	1.585/0.0624	.025/.0010 .076/.0030	37.57/1.479	F23	1	4306
	2	43.909/1.7287 43.922/1.7292	47.117/1.8550 47.142/1.8560	1.585/0.0624	.025/.0010 .076/.0030	28.83/1.135	F23	1	4307
	3	41.217/1.6227 41.229/1.6232	44.425/1.7490 44.450/1.7500	1.585/0.0624	.025/.0010 .076/.0030	20.89/0.822	F23	1	4308
	Small End - not bored, single pieces.								
RB4012 Semi		20.640/0.8126 (Nominal)	23.805/0.9372 23.825/0.9380			27.23/1.072	F100	1	RB4012

BMW ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1796cc (1.8).....	M42B18 (M42)		L4	91-95	1
1895cc (1.9).....	M44B19 (M44)		L4	96-99	1
152 2494cc (2.5)...			L6	68-71	3
152 2494cc (2.5)...	M20B25 (M20)		L6	87-93	2
152 2494cc (2.5)...	M50B25 (M50)		L6	91-95	2
152 2494cc (2.5)...	M52B25 (M52)		L6	98-00	2
152 2494cc (2.5)...	M54B25 (M54)		L6	01-06	2
2693cc (2.7).....	M20B27 (M20)		L6	82-88	2
2788cc (2.8).....	Carb.		L6	68-74	3
2788cc (2.8).....	F.I. (M30)		L6	79-81	3
2793cc (2.8).....	M52B28 (M52)		L6	96-00	2
2979cc (3.0).....	M54B30 (M54)		L6	01-05	4
2985cc (3.0).....			L6	71-76	3
2985cc (3.0).....	(M30)		L6	75-78	3
3210cc (3.2).....	(M30)		L6	78-84	3
3430cc (3.5).....	SOHC (M30)		L6	85-93	3
3453cc (3.5).....	DOHC (S38)		L6	87-88	3

BMW MODEL INDEX

Model	CID	cc	Liter	Description	Years
2.8 BAVARIA		2788	2.8	Carb.	71
2500	152	2494	2.5		68-71
2800		2788	2.8	Carb.	68-74
2800CS		2788	2.8	Carb.	68-71
3.0CS		2985	3.0		71-74
3.0CSI		2985	3.0		71-74
3.0CSL		2985	3.0		71
3.0S		2985	3.0		71-74
3.0SI		2985	3.0		71-76
318I		1796	1.8	M42B18	91-95
		1895	1.9	M44B19	96-98
318IC		1796	1.8	M42B18	91-95
		1895	1.9	M44B19	96-97
318IS		1796	1.8	M42B18	91-95
		1895	1.9	M44B19	96-97
318TI		1796	1.8	M42B18	95
		1895	1.9	M44B19	96-99
323CI	152	2494	2.5	M52B25	00
323I	152	2494	2.5	M52B25	99-00
323I - SPORT WAGON	152	2494	2.5	M52B25	00
323IC	152	2494	2.5	M52B25	98-99
323IS	152	2494	2.5	M52B25	98-99
325		2693	2.7	M20B27	87-88
325CI	152	2494	2.5	M54B25	01-06
325E		2693	2.7	M20B27	84-87
325I	152	2494	2.5	M20B25	87-91
	152	2494	2.5	M50B25	92-95
	152	2494	2.5	M54B25	01-05
325I - SPORT WAGON	152	2494	2.5	M54B25	01-03
325IC	152	2494	2.5	M20B25	87-93
	152	2494	2.5	M50B25	94-95
325IS	152	2494	2.5	M20B25	87-91
	152	2494	2.5	M50B25	92-95
325IX	152	2494	2.5	M20B25	88-91
325XI	152	2494	2.5	M54B25	01-05
325XI - SPORT WAGON	152	2494	2.5	M54B25	01-03
328CI		2793	2.8	M52B28	00
328I		2793	2.8	M52B28	96-00
328IC		2793	2.8	M52B28	96-99
328IS		2793	2.8	M52B28	96-99
330CI		2979	3.0	M54B30	01-05
330I		2979	3.0	M54B30	01-05
330XI		2979	3.0	M54B30	01-05
525I	152	2494	2.5	M20B25	89-90
	152	2494	2.5	M50B25	91-95
	152	2494	2.5	M54B25	01-05
525I - SPORT WAGON	152	2494	2.5	M54B25	01-03
525IT	152	2494	2.5	M50B25	93-95
528E		2693	2.7	M20B27	82-88
528I		2788	2.8	F.I.	79-81
		2793	2.8	M52B28	97-00
528IT		2793	2.8	M52B28	99-00
530I		2979	3.0	M54B30	01-05
		2985	3.0		75-78
533I		3210	3.2		83-84
535I		3430	3.5	SOHC	85-93
535IS		3430	3.5	SOHC	88
630CSI		2985	3.0		77
633CSI		3210	3.2		78-84
635CSI		3430	3.5	SOHC	85-89
733I		3210	3.2		78-84
735I		3430	3.5	SOHC	85-92
735IL		3430	3.5	SOHC	88-92
BAVARIA		2985	3.0		72-74
L6		3430	3.5	SOHC	87
L7		3430	3.5	SOHC	86-87
M5		3453	3.5	DOHC	88
M6		3453	3.5	DOHC	87-88
X3	152	2494	2.5	M54B25	04
		2979	3.0	M54B30	04
X3 - 2.5I	152	2494	2.5	M54B25	05
X3 - 3.0I		2979	3.0	M54B30	05
X5		2979	3.0	M54B30	01-04
X5 - 3.0I		2979	3.0	M54B30	05
Z3 - COUPE		2793	2.8	M52B28	99-00
		2979	3.0	M54B30	01-02
Z3 - ROADSTER		1895	1.9	M44B19	96-98
	152	2494	2.5	M52B25	99-00
	152	2494	2.5	M54B25	01-02
		2793	2.8	M52B28	97-00
		2979	3.0	M54B30	01-02
Z4 - ROADSTER	152	2494	2.5	M54B25	03-06
		2979	3.0	M54B30	03-05

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
1796cc (1.8) M42B18 (M42)		**L4**	**84mm x 81mm**	**Connecting Rod + 70 degrees** Stage 2 (1.8L engines)
1895cc (1.9) M44B19 (M44)		**L4**	**85mm x 83.5mm**	**Connecting Rod +20 deg + 70 deg** Stage 2 & 3 (1.9L engines)
				Connecting Rod 17 ft.lbs/23 Nm Stage 1 (1.8L engines)
				Connecting Rod 48 INCH.lbs/5 Nm Stage 1 (1.9L engines)
				Main Bearings 14-18 ft.lbs/19-24 Nm + 50 deg

1

Rod

44.975/1.7707 44.991/1.7713	48.000/1.8898 48.016/1.8904	1.493/0.0588	.023/.0009 .081/.0032	18.00/0.709	F780	8	1490 IH	**4B1490** Std. .25 .50 .75 1.0

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 (Cont'd.)									
	Main								
5M1538 Std. .25 .50	1-5	59.971/2.3611 59.990/2.3618	65.000/2.5591 65.019/2.5598	2.490/0.0980	.030/.0012 .088/.0035	20.00/0.787	F780	9	1538 U/L
	4 (FI)	59.971/2.3611 59.990/2.3618	65.000/2.5591 65.019/2.5598	2.490/0.0980	.030/.0012 .088/.0035	24.94/0.982	F780	1	1539 U

*** DIMENSIONAL INFORMATION FOR 5M1538**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/size	30.14 mm	+0.20 mm
0.50 mm u/size	30.34 mm	+0.40 mm

2 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
152 2494cc (2.5) M20B25 (M20)		**L6**	**84mm x 75mm**	**Connecting Rod 17 ft.lbs/23 Nm + 70 deg**
152 2494cc (2.5) M50B25 (M50)		**L6**	**84mm x 75mm**	**Main Bearing (Aluminum Block) + 70 deg.** Step 2 : 1991-98 engines
152 2494cc (2.5) M52B25 (M52)		**L6**	**84mm x 75mm**	
152 2494cc (2.5) M54B25 (M54)		**L6**	**84mm x 75mm**	**Main Bearing (Cast Iron Blocks) + 50 deg.** Step 2 : 1991-98 engines
2693cc (2.7) M20B27 (M20)		**L6**	**84mm x 81mm**	
2793cc (2.8) M52B28 (M52)		**L6**	**84mm x 84mm**	**Main Bearing 15-18 ft.lbs/20-24 Nm** Step 1 : 1991-98 engines **Main Bearing 44-49 ft.lbs/60-66 Nm** 1987-90 engines

	Rod								
6B1490 Std. .25 .50 .75 1.0		44.975/1.7707 44.991/1.7713	48.000/1.8898 48.016/1.8904	1.493/0.0588	.023/.0009 .081/.0032	18.00/0.709	F780	12	1490 IH
	Main - half groove mains with double tang on lower halves.								
7M1532 Std. .25 .50	1,2,3,4, 5,7	59.971/2.3611 59.990/2.3618	65.000/2.5591 65.019/2.5598	2.490/0.0980	.030/.0012 .088/.0035	20.00/0.787	F780	12	1538 U/L
	6 (FI)	59.971/2.3611 59.990/2.3618	65.000/2.5591 65.019/2.5598	2.490/0.0980	.030/.0012 .088/.0035	24.94/0.982	F780	2	1539 U/L

*** DIMENSIONAL INFORMATION FOR 7M1532**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/size	30.14 mm	+0.20 mm
0.50 mm u/size	30.34 mm	+0.40 mm

	Main - full groove set with single tang on lower halves.								
7M1539 Std. .25 .50	1,2,3,4, 5,7	59.971/2.3611 59.990/2.3618	65.000/2.5591 65.019/2.5598	2.490/0.0980	.030/.0012 .088/.0035	20.00/0.787	F780	12	1538 IH
	6 (FI)	59.971/2.3611 59.990/2.3618	65.000/2.5591 65.019/2.5598	2.490/0.0980	.030/.0012 .088/.0035	24.94/0.982	F780	2	1539 IH

*** DIMENSIONAL INFORMATION FOR 7M1539**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/size	30.14 mm	+0.20 mm
0.50 mm u/size	30.34 mm	+0.40 mm

3 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
152 2494cc (2.5)		**L6**	**86mm x 72mm**	**Connecting Rod 38-41 ft.lbs/51-55 Nm**
2788cc (2.8) Carb.		**L6**	**86mm x 80mm**	**Main Bearing 42-46 ft.lbs/56-62 Nm**
2788cc (2.8) F.I. (M30)		**L6**	**86mm x 80mm**	
2985cc (3.0)		**L6**	**89mm x 80mm**	
2985cc (3.0) (M30)		**L6**	**89mm x 80mm**	
3210cc (3.2) (M30)		**L6**	**89mm x 86mm**	
3430cc (3.5) SOHC (M30)		**L6**	**92mm x 86mm**	
3453cc (3.5) DOHC (S38)		**L6**	**93.5mm x 84mm**	

	Rod - for SOHC engines only.								
6B1486 Std. .25 .50 .75 1.0		47.975/1.8888 47.991/1.8894	52.000/2.0472 52.010/2.0476	1.989/0.0783	.031/.0012 .073/.0029	20.00/0.787	F820	12	1486AL IH
	Rod - for DOHC engines only.								
6B1506 Std. .25 .50		47.975/1.8888 47.991/1.8894	52.000/2.0472 52.014/2.0478	1.976/0.0778	.056/.0022 .113/.0044	20.00/0.787	F780	12	1506 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 3
Main - overflange length increases for undersizes. *See below for dimensional information.									
1-3,5-7	59.969/2.3610 59.990/2.3618	64.999/2.5590 65.019/2.5598	2.490/0.0980	.029/.0011 .096/.0038	24.00/0.945	F780	12	1507 IH	**7M1507** Std. .25 .50
4 (FI)	59.969/2.3610 59.990/2.3618	64.999/2.5590 65.019/2.5598	2.490/0.0980	.029/.0011 .096/.0038	29.95/1.179	F780	2	1508 IH	

*** DIMENSIONAL INFORMATION FOR 7M1507**

	Overall Width (Nominal)	Increase in Width
0.25mm u/s shaft	30.15 mm	+0.20 mm
0.50 mm u/s shaft	30.35 mm	+0.40 mm

ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**	4
2979cc (3.0) M54B30 (M54)		**L6**	**86mm x 72mm**		

Rod									
	44.975/1.7707 44.991/1.7713	48.000/1.8898 48.016/1.8904	1.493/0.0588	.023/.0009 .081/.0032	18.00/0.709	F780	12	1490 IH	**6B1490** Std. .25 .50 .75 1.0

BUICK ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
112 (1.8)	OHC Pontiac Eng	0	L4	82-86	1
112 (1.8)	OHV Chevrolet Eng.	G	L4	82-82	2
112 (1.8)	OHC Pontiac Eng, Turbo	J	L4	84-86	1
122 (2.0)	OHV Chevrolet Eng.	1	L4	87-89	2
122 (2.0)	OHV Chevrolet Eng.	B	L4	83-84	2
122 (2.0)	OHC Pontiac Eng	K	L4	87-88	1
122 (2.0)	OHC Pontiac Eng, Turbo	M	L4	87-87	1
122 (2.0)	OHV Chevrolet Eng.	P	L4	83-86	2
134 (2.2)	OHV Chevrolet Eng.	4	L4	93-96	3
138 (2.3)	DOHC (Olds - Quad 4)	3	L4	92-94	4
138 (2.3)	DOHC (Olds - Quad 4)	D	L4	88-95	4
146 (2.4)	DOHC (Olds - Quad 4)	T	L4	96-98	5
151 2474cc (2.5)	Pontiac Eng.	5	L4	80-83	6
151 2474cc (2.5)	Pontiac Eng.	R	L4	82-92	6
151 2474cc (2.5)	Pontiac Eng.	U	L4	85-91	6
173 (2.8)	Chevrolet Eng.	7	V6	80-80	7
173 (2.8)	Chevrolet Eng.	W	V6	85-89	7
173 (2.8)	Chevrolet Eng.	X	V6	81-86	7
173 (2.8)	Chevrolet Eng.	Z	V6	82-84	7
181 (3.0)		E	V6	82-85	9
181 (3.0)		L	V6	85-88	9
189 (3.1)	Chevrolet Eng.	J	V6	00-05	8
189 (3.1)	Chevrolet Eng.	M	V6	94-99	8
189 (3.1)	Chevrolet Eng.	T	V6	89-93	8
196 (3.2)		C	V6	78-79	9
204 (3.3)		N	V6	89-93	9
215 (3.5)			V8	61-63	10
225 (3.7)			V6	64-67	11
231 (3.8)	3800 TPI, Supercharged	1	V6	92-95	11
231 (3.8)	Series II, Supercharged	1	V6	96-05	11
231 (3.8)		2	V6	78-79	9
231 (3.8)		3	V6	84-88	9
231 (3.8)	Turbo	3	V6	78-82	9
231 (3.8)	Turbo	7	V6	86-87	9
231 (3.8)	Turbo	8	V6	83-83	9
231 (3.8)	Turbo	9	V6	84-85	9
231 (3.8)	Even Fire	A	V6	77-87	9
231 (3.8)		B	V6	86-86	9
231 (3.8)	3800 MFI/TPI	C	V6	88-91	11
231 (3.8)	Odd Fire	C	V6	75-77	11
231 (3.8)	Turbo	G	V6	78-78	9
231 (3.8)	Series II	K	V6	95-05	11
231 (3.8)	3800 MFI/TPI	L	V6	90-95	11
250 (4.1)	Chevrolet Eng.		L6	68-71	12
250 (4.1)	Chevrolet Eng.	D	L6	73-75	12
252 (4.1)		4	V6	80-84	9
256 (4.2)	DOHC	S	L6	04-06	13
260 (4.3)	Oldsmobile Eng.	F	V8	75-76	14
265 (4.3)	Pontiac Eng.	S	V8	80-81	16
267 (4.4)	Chevrolet Eng.	J	V8	81-82	17
301 (4.9)	Pontiac Eng.	W	V8	79-80	16
301 (4.9)	Pontiac Eng.	Y	V8	77-79	16
305 (5.0)	Chevrolet Eng.	E	V8	91-91	17
305 (5.0)	Chevrolet Eng.	G	V8	79-79	17
305 (5.0)	Chevrolet Eng.	H	V8	78-87	17
305 (5.0)	Chevrolet Eng.	U	V8	77-78	17
307 (5.0)	Oldsmobile Eng.	Y	V8	80-90	14
340 (5.6)			V8	66-67	18
350 (5.7)			V8	68-71	18
350 (5.7)	Chevrolet Eng.	7	V8	92-93	17
350 (5.7)		B	V8	81-81	18
350 (5.7)		H	V8	72-77	18
350 (5.7)		J	V8	72-77	18
350 (5.7)	Chevrolet Eng.	L	V8	77-79	17
350 (5.7)	Oldsmobile Eng.,Diesel	N	V8	80-85	15
350 (5.7)	Chevrolet Eng.	P	V8	94-96	17
350 (5.7)	Oldsmobile Eng.	R	V8	77-80	14
350 (5.7)		X	V8	78-80	18
364 (6.0)			V8	57-61	19
400 (6.6)			V8	68-69	21
400 (6.6)	Pontiac Eng.	S	V8	75-75	20
401 (6.6)			V8	59-67	22
403 (6.6)	Oldsmobile Eng.	K	V8	77-79	14
425 (7.0)			V8	63-66	22
430 (7.0)			V8	67-69	21
455 (7.5)			V8	70-74	21
455 (7.5)		P	V8	74-74	21
455 (7.5)		R	V8	74-74	21
455 (7.5)		T	V8	72-76	21
455 (7.5)		U	V8	71-74	21
455 (7.5)		V	V8	73-74	21
455 (7.5)		W	V8	72-74	21

BUICK MODEL INDEX

Model	CID	cc	Liter	Description	Years
APOLLO	250		4.1	Chevrolet Eng.	73-75
	260		4.3	Oldsmobile Eng.	75
	350		5.7		73-75
APOLLO - SR	250		4.1	Chevrolet Eng.	75
	260		4.3	Oldsmobile Eng.	75
	350		5.7		75
CENTURION	350		5.7		72-73
	455		7.5		71-73
CENTURY	189		3.1	Chevrolet Eng.	03
	231		3.8		80
	231		3.8	Even Fire	80-81
	231		3.8	Odd Fire	75-77
	265		4.3	Pontiac Eng.	80-81
	267		4.4	Chevrolet Eng.	81
	301		4.9	Pontiac Eng.	80
	305		5.0	Chevrolet Eng.	77-81
	350		5.7		73-77
	350		5.7	Chevrolet Eng.	77
	350		5.7	Oldsmobile Eng.	77-81
	364		6.0		57-58
	455		7.5		73-74
CENTURY - CUSTOM	134		2.2	OHV Chevrolet Eng.	93-94
	151	2474	2.5	Pontiac Eng.	82-92
	173		2.8	Chevrolet Eng.	83-89
	181		3.0		82-85
	189		3.1	Chevrolet Eng.	94-05
	196		3.2		78-79
	204		3.3		89-93
	231		3.8		79-88
	231		3.8	Even Fire	78-79
	231		3.8	Odd Fire	75-77
	301		4.9	Pontiac Eng.	79
	305		5.0	Chevrolet Eng.	77-79
CENTURY - CUSTOM	350		5.7		75-77
	350		5.7	Chevrolet Eng.	77-79
	350		5.7	Oldsmobile Eng.	77
	403		6.6	Oldsmobile Eng.	77
CENTURY - ESTATE WAGON	151	2474	2.5	Pontiac Eng.	84-89
	173		2.8	Chevrolet Eng.	85-88
	181		3.0		84-85
	204		3.3		89
	231		3.8		84-88
	231		3.8	Even Fire	80-81
	265		4.3	Pontiac Eng.	80-81
	301		4.9	Pontiac Eng.	80
	305		5.0	Chevrolet Eng.	80
	350		5.7	Oldsmobile Eng.	81
CENTURY - LIMITED	134		2.2	OHV Chevrolet Eng.	93
	151	2474	2.5	Pontiac Eng.	82-92
	173		2.8	Chevrolet Eng.	83-89
	181		3.0		82-85
	189		3.1	Chevrolet Eng.	97-05
	196		3.2		78-79
	204		3.3		89-93
	231		3.8		79-88
	231		3.8	Even Fire	78-81
	265		4.3	Pontiac Eng.	80-81
	267		4.4	Chevrolet Eng.	81
	301		4.9	Pontiac Eng.	79-80
	305		5.0	Chevrolet Eng.	78-80
	350		5.7	Oldsmobile Eng.	81
CENTURY - LUXUS	350		5.7		73-74
	455		7.5		73-74
CENTURY - SPECIAL	134		2.2	OHV Chevrolet Eng.	93-96
	151	2474	2.5	Pontiac Eng.	91-92

BUICK MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
CENTURY - SPECIAL	189		3.1	Chevrolet Eng.	94-96
	196		3.2		78-79
	204		3.3		91-93
	231		3.8		79
	231		3.8	Even Fire	78-79
	231		3.8	Odd Fire	75-77
	301		4.9	Pontiac Eng.	79
	305		5.0	Chevrolet Eng.	78-79
	350		5.7	Chevrolet Eng.	79
CENTURY - SPECIAL EDITION	189		3.1	Chevrolet Eng.	05
CENTURY - SPORT	196		3.2		78-79
	231		3.8		79-80
	231		3.8	Even Fire	78-80
	301		4.9	Pontiac Eng.	79-80
	305		5.0	Chevrolet Eng.	78
CENTURY - T-TYPE	181		3.0		83-84
	231		3.8		84-86
ELECTRA	231		3.8		86
	401		6.6		59-66
	425		7.0		65-66
	430		7.0		67
	455		7.5		73
ELECTRA - 225	350		5.7		77-79
	350		5.7	Oldsmobile Eng.	77-79
	403		6.6	Oldsmobile Eng.	77-79
	430		7.0		68-69
	455		7.5		70-76
ELECTRA - 225 CUSTOM	430		7.0		68-69
	455		7.5		70-75
ELECTRA - 225 LIMITED	350		5.7		77
	350		5.7	Oldsmobile Eng.	77
	403		6.6	Oldsmobile Eng.	77
	455		7.5		74-75
ELECTRA - 300	181		3.0		85
	231		3.8		85
ELECTRA - ESTATE WAGON	301		4.9	Pontiac Eng.	80
	307		5.0	Oldsmobile Eng.	81-89
	350		5.7		80
	350		5.7	Oldsmobile Eng.	80-85
ELECTRA - LIMITED	231		3.8		87
	231		3.8	3800 MFI/TPI	88-90
	252		4.1		80-84
	307		5.0	Oldsmobile Eng.	81-84
	350		5.7		78-80
	350		5.7	Oldsmobile Eng.	78-83
	403		6.6	Oldsmobile Eng.	78-79
	455		7.5		76
ELECTRA - PARK AVENUE	231		3.8		85-87
	231		3.8	3800 MFI/TPI	88-90
	252		4.1		80-84
	307		5.0	Oldsmobile Eng.	81-84
	350		5.7		78-81
	350		5.7	Oldsmobile Eng.	78-83
	403		6.6	Oldsmobile Eng.	78-79
ELECTRA - PARK AVENUE ULTRA	231		3.8	3800 MFI/TPI	90
ELECTRA - T-TYPE	231		3.8		85-87
	231		3.8	3800 MFI/TPI	88-90
ELECTRA - ULTRA	231		3.8	3800 MFI/TPI	89
ESTATE WAGON	350		5.7		70-79
	350		5.7	Oldsmobile Eng.	77-79
	403		6.6	Oldsmobile Eng.	77-79
	455		7.5		70-76
GRAN SPORT	340		5.6		67
	401		6.6		65-67
GS	350		5.7		70-72
GS 350	350		5.7		68-69
GS 400	400		6.6		68-69
GS 455	455		7.5		70-72
INVICTA	401		6.6		59-63
LESABRE	231		3.8		87-88
	231		3.8	3800 MFI/TPI	88-91
	231		3.8	Even Fire	77-81
	231		3.8	Odd Fire	76-77

Model	CID	cc	Liter	Description	Years
LESABRE	231		3.8	Series II	99
	252		4.1		80-81
	301		4.9	Pontiac Eng.	77-80
	305		5.0	Chevrolet Eng.	78
	307		5.0	Oldsmobile Eng.	81
	340		5.6		66-67
	350		5.7		68-80
	350		5.7	Oldsmobile Eng.	77-81
	364		6.0		59-61
	401		6.6		60-64
	403		6.6	Oldsmobile Eng.	77-78
	425		7.0		64
	455		7.5		70-75
LESABRE - CUSTOM	181		3.0		86
	231		3.8		86-88
	231		3.8	3800 MFI/TPI	88-95
	231		3.8	Even Fire	78-85
	231		3.8	Odd Fire	77
	231		3.8	Series II	96-05
	252		4.1		82-84
	267		4.4	Chevrolet Eng.	82
	301		4.9	Pontiac Eng.	77-78
	305		5.0	Chevrolet Eng.	78
	307		5.0	Oldsmobile Eng.	82-85
	350		5.7		68-78
	350		5.7	Oldsmobile Eng.	77-85
	400		6.6	Pontiac Eng.	75
	403		6.6	Oldsmobile Eng.	77-78
	455		7.5		70-76
LESABRE - ESTATE WAGON	301		4.9	Pontiac Eng.	80
	307		5.0	Oldsmobile Eng.	81-90
	350		5.7		80
	350		5.7	Oldsmobile Eng.	80-85
LESABRE - LIMITED	181		3.0		86
	231		3.8		86-88
	231		3.8	3800 MFI/TPI	88-95
	231		3.8	Even Fire	79-85
	231		3.8	Series II	96-05
	252		4.1		80-84
	267		4.4	Chevrolet Eng.	82
	301		4.9	Pontiac Eng.	79-80
	307		5.0	Oldsmobile Eng.	81-85
	350		5.7		79-80
	350		5.7	Oldsmobile Eng.	79-85
LESABRE - LUXUS	350		5.7		74
	455		7.5		74
LESABRE - SPORT	231		3.8		78-80
LIMITED	364		6.0		58
PARK AVENUE	231		3.8	3800 MFI/TPI	91-94
	231		3.8	Series II	95-05
PARK AVENUE - ULTRA	231		3.8	3800 MFI/TPI	91
	231		3.8	3800 TPI	92-95
	231		3.8	Series II	96-05
RAINIER	256		4.2	DOHC	04-05
RAINIER - CXL	256		4.2	DOHC	06
REATTA	231		3.8	3800 MFI/TPI	88-91
REGAL	196		3.2		78-79
	231		3.8		79
	231		3.8	Even Fire	78-87
	231		3.8	Odd Fire	75-77
	231		3.8	Series II	99-00
	252		4.1		82-84
	265		4.3	Pontiac Eng.	80-81
	267		4.4	Chevrolet Eng.	81-82
	301		4.9	Pontiac Eng.	79-80
	305		5.0	Chevrolet Eng.	77-87
	307		5.0	Oldsmobile Eng.	86-87
	350		5.7		73-77
	350		5.7	Chevrolet Eng.	77
	350		5.7	Oldsmobile Eng.	77-85
	455		7.5		73-74
REGAL - CUSTOM	173		2.8	Chevrolet Eng.	88-89
	189		3.1	Chevrolet Eng.	89-96
	231		3.8	3800 MFI/TPI	90-95
	231		3.8	Series II	96
REGAL - ESTATE	267		4.4	Chevrolet Eng.	82
REGAL - ESTATE WAGON	231		3.8	Even Fire	82-83

BUICK MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
REGAL - ESTATE WAGON	252		4.1		82-83
	305		5.0	Chevrolet Eng.	82-83
	350		5.7	Oldsmobile Eng.	82-83
REGAL - GRAN SPORT	231		3.8	3800 MFI/TPI	92-95
	231		3.8	Series II	96
REGAL - GRAND NATIONAL	231		3.8		84-87
REGAL - GS	231		3.8	Series II	97-04
REGAL - LIMITED	173		2.8	Chevrolet Eng.	88-89
	189		3.1	Chevrolet Eng.	89-93
	196		3.2		78-79
	231		3.8		79-87
	231		3.8	3800 MFI/TPI	90-95
	231		3.8	Even Fire	78-87
	231		3.8	Series II	96
	252		4.1		82-84
	265		4.3	Pontiac Eng.	80-81
	267		4.4	Chevrolet Eng.	81-82
	301		4.9	Pontiac Eng.	79-80
	305		5.0	Chevrolet Eng.	78-87
	307		5.0	Oldsmobile Eng.	86-87
	350		5.7	Oldsmobile Eng.	82-83
REGAL - LS	231		3.8	Series II	97-04
REGAL - SPORT	231		3.8		78-82
REGAL - T-TYPE	231		3.8		83-86
RIVIERA	231		3.8		80-87
	231		3.8	3800 MFI/TPI	88-93
	231		3.8	3800 TPI	95
	231		3.8	Series II	95-99
	252		4.1		81-84
	307		5.0	Oldsmobile Eng.	80-85
	350		5.7		77-78
	350		5.7	Oldsmobile Eng.	77-85
	401		6.6		63-65
	403		6.6	Oldsmobile Eng.	77-78
	425		7.0		63-66
	430		7.0		67-69
	455		7.5		70-76
RIVIERA - S	231		3.8		79-80
	307		5.0	Oldsmobile Eng.	80
	350		5.7	Oldsmobile Eng.	79-80
RIVIERA - T-TYPE	231		3.8		81-86
	252		4.1		81
	307		5.0	Oldsmobile Eng.	81
ROADMASTER	305		5.0	Chevrolet Eng.	91
	350		5.7	Chevrolet Eng.	92-96
	364		6.0		57-58
ROADMASTER - ESTATE	305		5.0	Chevrolet Eng.	91
	350		5.7	Chevrolet Eng.	92-95
ROADMASTER - LIMITED	350		5.7	Chevrolet Eng.	92-96
ROADMASTER - LIMITED WAGON	350		5.7	Chevrolet Eng.	96
SKYHAWK	122		2.0	OHC Pontiac Eng	88
	122		2.0	OHV Chevrolet Eng.	88-89
	231		3.8		78
	231		3.8	Even Fire	78-80
	231		3.8	Odd Fire	75-77
SKYHAWK - CUSTOM	112		1.8	OHC Pontiac Eng	82-86
	112		1.8	OHV Chevrolet Eng.	82
	122		2.0	OHC Pontiac Eng	87
	122		2.0	OHV Chevrolet Eng.	83-87
SKYHAWK - LIMITED	112		1.8	OHC Pontiac Eng	82-86
	112		1.8	OHV Chevrolet Eng.	82
	122		2.0	OHC Pontiac Eng	87
	122		2.0	OHV Chevrolet Eng.	83-87
SKYHAWK - S	231		3.8	Even Fire	78-80
	231		3.8	Odd Fire	76-77
SKYHAWK - SPORT	112		1.8	OHC Pontiac Eng	86
	122		2.0	OHC Pontiac Eng	87
	122		2.0	OHV Chevrolet Eng.	86-87
SKYHAWK - T-TYPE	112		1.8	OHC Pontiac Eng	83-86
SKYLARK	138		2.3	DOHC (Olds - Quad 4)	91-92
	146		2.4	DOHC (Olds - Quad 4)	98
SKYLARK	151	2474	2.5	Pontiac Eng.	80-91
	250		4.1	Chevrolet Eng.	68-71
	173		2.8	Chevrolet Eng.	80-82
	189		3.1	Chevrolet Eng.	98
	204		3.3		91-92
	225		3.7		64-67
	231		3.8	Even Fire	78-79
	231		3.8	Odd Fire	75-77
	215		3.5		61-63
	260		4.3	Oldsmobile Eng.	75-76
	301		4.9	Pontiac Eng.	77
	305		5.0	Chevrolet Eng.	77-79
	340		5.6		66-67
	350		5.7		68-76
	350		5.7	Chevrolet Eng.	77-79
	350		5.7	Oldsmobile Eng.	77
	401		6.6		65-67
	455		7.5		72
SKYLARK - CUSTOM	138		2.3	DOHC (Olds - Quad 4)	88-95
	146		2.4	DOHC (Olds - Quad 4)	96-97
	151	2474	2.5	Pontiac Eng.	83-91
	173		2.8	Chevrolet Eng.	83-85
	181		3.0		86-88
	189		3.1	Chevrolet Eng.	94-97
	204		3.3		89-93
	231		3.8	Even Fire	78-79
	305		5.0	Chevrolet Eng.	78-79
	350		5.7		68-72
	350		5.7	Chevrolet Eng.	78-79
	400		6.6		68
	455		7.5		70-72
SKYLARK - GRAN SPORT	138		2.3	DOHC (Olds - Quad 4)	90-95
	151	2474	2.5	Pontiac Eng.	90-91
	189		3.1	Chevrolet Eng.	94-97
	204		3.3		90-93
SKYLARK - LIMITED	138		2.3	DOHC (Olds - Quad 4)	88-95
	146		2.4	DOHC (Olds - Quad 4)	96-97
	151	2474	2.5	Pontiac Eng.	80-89
	173		2.8	Chevrolet Eng.	80-85
	181		3.0		86-88
	189		3.1	Chevrolet Eng.	94-97
	204		3.3		89-93
SKYLARK - LUXURY EDITION	138		2.3	DOHC (Olds - Quad 4)	90-91
	151	2474	2.5	Pontiac Eng.	90-91
	204		3.3		90-91
SKYLARK - S	231		3.8	Even Fire	78-79
	231		3.8	Odd Fire	76-77
	260		4.3	Oldsmobile Eng.	76
	301		4.9	Pontiac Eng.	77
	305		5.0	Chevrolet Eng.	77-79
	350		5.7		76
	350		5.7	Oldsmobile Eng.	77
SKYLARK - SPORT	151	2474	2.5	Pontiac Eng.	80-82
	173		2.8	Chevrolet Eng.	80-82
SKYLARK - SR	231		3.8	Odd Fire	75-77
	260		4.3	Oldsmobile Eng.	75-76
	301		4.9	Pontiac Eng.	77
	305		5.0	Chevrolet Eng.	77
	350		5.7		75-76
	350		5.7	Chevrolet Eng.	77
	350		5.7	Oldsmobile Eng.	77
SKYLARK - T-TYPE	173		2.8	Chevrolet Eng.	83-84
SOMERSET	151	2474	2.5	Pontiac Eng.	86-87
	181		3.0		86-87
SOMERSET - LIMITED	151	2474	2.5	Pontiac Eng.	86-87
	181		3.0		86-87
SOMERSET - REGAL	151	2474	2.5	Pontiac Eng.	85
	181		3.0		85
SOMERSET - REGAL LIMITED	151	2474	2.5	Pontiac Eng.	85
	181		3.0		85

BUICK MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
SOMERSET - T-TYPE	151	2474	2.5	Pontiac Eng.	86
	181		3.0		86
SPECIAL	250		4.1	Chevrolet Eng.	68-69
	225		3.7		64-67
	215		3.5		61-63
	350		5.7		68-69
	364		6.0		57-58
SPORTWAGON	225		3.7		64-65
	340		5.6		66-67
	350		5.7		68-72

Model	CID	cc	Liter	Description	Years
SPORTWAGON	400		6.6		68
	455		7.5		70
SUPER	364		6.0		57-58
WILDCAT	401		6.6		63-66
	425		7.0		64-66
	430		7.0		67-69
WILDCAT - CUSTOM	430		7.0		68-69
	455		7.5		70

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE — VIN — CYL — Bore x Stroke — TORQUE SETTINGS (1)

112 (1.8) OHC Pontiac Eng — **0** — **L4** — **84.8mm x 79.5mm** — **Connecting Rod 39 ft.lbs/53 Nm**
112 (1.8) OHC Pontiac Eng Turbo — **J** — **L4** — **84.8mm x 79.5mm** — **Main Bearing 57 ft.lbs/77 Nm**
122 (2.0) OHC Pontiac Eng — **K** — **L4** — **86mm x 86mm**
122 (2.0) OHC Pontiac Eng Turbo — **M** — **L4** — **86mm x 86mm**

Rod

	48.971/1.9280 48.987/1.9286	52.000/2.0472 52.012/2.0477	1.500/0.0591	.013/.0005 .057/.0022	19.30/0.760	F810	8	2322A U/L	**4B2322A** Std. .25 .50 .75 1.0

Main - overflange length increases for undersizes. *See below for dimensional information.

1,2,4,5	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	19.50/0.768	F780	8	2327 IH	**5M1549P** .25 .50 .75
3 (FI)	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	26.10/1.028	F780	2	2328 IH	

*** DIMENSIONAL INFORMATION FOR 5M1549P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.028"/26.10mm	+.008"/0.20mm
0.50 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm
0.75 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm

Main - overflange length is standard for all sizes.

1,2,4,5	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	19.50/0.768	F780	8	2327 IH	**5M2329P** Std. .25 .50 .75
3 (FI)	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	25.90/1.020	F780	2	2329 IH	

ENGINE — VIN — CYL — Bore x Stroke — TORQUE SETTINGS (2)

112 (1.8) OHV Chevrolet Eng. — **G** — **L4** — **3.50 x 2.91** — **Connecting Rod 34-40 ft.lbs/47-54 Nm** (1.8L engines)
122 (2.0) OHV Chevrolet Eng. — **1** — **L4** — **3.50 x 3.15** — **Connecting Rod 34-43 ft.lbs/47-58 Nm** (2.0L engines)
122 (2.0) OHV Chevrolet Eng. — **B** — **L4** — **3.50 x 3.15** — **Main Bearing 63-74 ft.lbs/85-101 Nm** (1.8L engines)
122 (2.0) OHV Chevrolet Eng. — **P** — **L4** — **3.50 x 3.15** — **Main Bearing 63-77 ft.lbs/85-105 Nm** (2.0L engines)

Rod

	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH	**4B745P** Std. 01 10 20 30 40

Main - 112(1.8L) engine, 1982 only.

1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH	**5M1524P** Std. .25 .50 .75
4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7162 IH	
5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L	

Overflange length remains constant for standard and undersizes.

Main - 121B,P, (2.0L) engine, 1982-1986 only.

1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH	**5M1567P** Std. .25 .50 .75 1.0
4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH	
5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L	

Overflange length remains constant for standard and undersizes.

BUICK

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	Main - 121,1 (2.0L) engine, 1987-1989 only.								
5M7124P Std. .25 .50 .75 1.0	1,2,3,5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	8	7123 IH
	4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C1195S Std.	1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1
	2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4
	3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2
3 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
134 (2.2) OHV Chevrolet Eng.		**4**	**L4**	**88.9mm x 88mm**	**Connecting Rod 38 ft.lbs/52 Nm Main Bearing 70 ft.lbs/95 Nm**				
	Rod								
4B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH
	Main								
5M7124P Std. .25 .50 .75 1.0	1,2,3,5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	8	7123 IH
	4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C1195S Std.	1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1
	2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4
	3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2
4 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
138 (2.3) DOHC (Olds - Quad 4)		**3**	**L4**	**3.62 x 3.35**	**Connecting Rod 18 ft.lbs/25 Nm + 90 deg turn**				
138 (2.3) DOHC (Olds - Quad 4)		**D**	**L4**	**3.62 x 3.35**	**Main Bearing 15 ft.lbs/20 Nm + 90 deg turn**				
	Rod								
4B1388P Std. .25 .50 .75 1.0		47.973/1.8887 47.998/1.8897	51.166/2.0144 51.191/2.0154	1.580/0.0623	.013/.0005 .051/.0020	22.76/0.896	F780	8	8516 IH
	Main								
5M8511P Std. .25 .50 .75	1,2,4,5	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.377/0.0936	.013/.0005 .051/.0020	21.26/0.837	F780	8	8511 U/L
	3 (FI)	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.377/0.0936	.013/.0005 .051/.0020	27.76/1.093	F780	2	8513 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Alt. set to 5M8511P with +0.004" overflange length increase. *See dimensional information below.								
5M8514P .25 .50 .75	1,2,4,5	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.377/0.0936	.013/.0005 .051/.0020	21.26/0.837	F780	8	8511 U/L
	3 (FI)	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.502/0.0985 (@ 0.25 u/s)	.013/.0005 .077/.0030	27.86/1.097	F780	2	8514 U/L

*** DIMENSIONAL INFORMATION FOR 5M8514P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.097"	+0.004"
0.50 mm u/s shaft	1.097"	+0.004"
0.75 mm u/s shaft	1.097"	+0.004"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN** **CYL** **Bore x Stroke**		**TORQUE SETTINGS**				**5**
146 (2.4) DOHC (Olds - Quad 4)			**T** **L4** **3.543 x 3.700**		**Connecting Rod 18 ft.lbs/25 Nm + 90 deg turn** **Main Bearing 15 ft.lbs/20 Nm + 90 deg turn**				
Rod									
	47.973/1.8887 47.998/1.8897	51.173/2.0147 51.186/2.0152	1.581/0.0622	.013/.0005 .077/.0030	18.30/0.720	F780	8	8520 IH	**4B1647P** Std. .25 .50 .75 1.0
Main									
1,2,4,5	60.000/2.3622 60.023/2.3631	64.778/2.5503 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	20.00/0.787	F780	8	8517 U/L	**5M2056P** Std. .25 .50 .75 1.0
3 (FI)	60.000/2.3622 60.023/2.3631	67.778/2.6684 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	27.74/1.092	F780	2	8518 U/L	
Main - Alternate set to 5M2056P with +0.25mm overflange length increase. *See below for dimensional information.									
1,2,4,5	60.000/2.3622 60.023/2.3631	64.778/2.5503 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	20.00/0.787	F780	8	8517 U/L	**5M8525P** .25 .50 .75 1.0
3 (FI)	60.000/2.3622 60.023/2.3631	64.778/2.5503 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	27.99/1.102	F780	2	8525 U/L	

*** DIMENSIONAL INFORMATION FOR 5M8525P**

	Overall Width (Nominal)	Increase in Width
0.25mm u/s shaft	27.99 mm	+0.25 mm
0.50mm u/s shaft	27.99 mm	+0.25 mm
0.75mm u/s shaft	27.99 mm	+0.25 mm
1.00mm u/s shaft	27.99 mm	+0.25 mm

ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**	**6**
151 2474cc (2.5) Pontiac Eng.	**5**	**L4**	**4.00 x 3.00**	**Connecting Rod 30 ft.lbs/41 Nm** (except crossflow)	
151 2474cc (2.5) Pontiac Eng.	**R**	**L4**	**4.00 x 3.00**	**Connecting Rod 32 ft.lbs/44 Nm** (crossflow)	
151 2474cc (2.5) Pontiac Eng.	**U**	**L4**	**4.00 x 3.00**	**Main Bearing 65 ft.lbs/88 Nm** (except crossflow) **Main Bearing 70 ft.lbs/95 Nm** (crossflow)	

Rod - High Strength Aluminum Silicon material.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	8	2226A IH	**4B610A** Std. 10 20 30 40
Rod - .002" oversize back version of 4B610A.									
	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH	**4B610AO/S2** 10 20 30 40
Rod - To be superceded by 4B610A when stock exhausted.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	8	2226 IH	**4B610P** Std. 01 10 20 30 40
Rod - To be superceded by 4B610AO/S2 when stock exhausted.									
	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/s)	.015/.0006 .067/.0026	18.84/0.742	F780	8	9070 IH	**4B610PO/S2** 10 20 30 40
Main - for VIN U engines only.									
1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.42/0.804	F780	4	7132 U	**5M1643P** Std. 10 20 30 40
1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.42/0.804	F780	4	7157 L	
5 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	23.93/0.942	F780	2	7159 U/L	
Overflange length remains constant for standard and undersizes.									
Main - for VIN 5 & VIN R engines only.									
1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L	**5M1733P** Std. 01 10 20 30 40
5 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L	
Overflange length remains constant for standard and undersizes.									

BUICK

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
6 (Cont'd.)									
	Main - Alt set to 5M1733P with +0.010" overflange length increase. * See below for dimensional information.								
5M7152P 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.88/1.019	F780	2	7152 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M7152P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.019"	+0.010"
.020" u/s shaft	1.019"	+0.010"
.030" u/s shaft	1.019"	+0.010"
.040" u/s shaft	1.019"	+0.010"

	Main - Alternate set to 5M1643P with +.010" overflange length increase. * See below for dimensional information.								
5M7163P 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.42/0.804	F780	4	7132 U
	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.42/0.804	F780	4	7157 L
	5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	24.18/0.952	F780	2	7163 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M7163P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	0.952"	+0.010"
.020" u/s shaft	0.952"	+0.010"
.030" u/s shaft	0.952"	+0.010"
.040" u/s shaft	0.952"	+0.010"

	Cam - for VIN 5 & VIN R engines only.								
3C1030S Std.	1,2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0644		21.97/0.865	F23	3	CH-5-3
	Cam - for VIN U engines only.								
3C1305S Std.	1,2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0644		18.16/0.715	F23	3	CH-20-1

7 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
173 (2.8) Chevrolet Eng.	**7**	**V6**	**3.50 x 2.99**	**Connecting Rod 34-40 ft.lbs/47-54 Nm**
173 (2.8) Chevrolet Eng.	**W**	**V6**	**3.50 x 2.99**	**Main Bearing 63-74 ft.lbs/85-101 Nm**
173 (2.8) Chevrolet Eng.	**X**	**V6**	**3.50 x 2.99**	
173 (2.8) Chevrolet Eng.	**Z**	**V6**	**3.50 x 2.99**	

	Rod - High Strength Aluminum Silicon material.								
6B1238A Std. 01 10 20 30 40		50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A
	Rod - .002" Oversize OD version of 6B1238A.								
6B1238AO/S2 10 20 30 40		50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 7
Main - alt. to 4M1494P with +0.010" overflange length increase for undersizes. * See below for dimensional information.									
1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L	**4M1493P** 10 20 30 40
2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L	
3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.18/0.952	F780	2	7129 U/L	
4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 4M1493P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	0.952"	+0.010"
.020" u/s shaft	0.952"	+0.010"
.030" u/s shaft	0.952"	+0.010"
.040" u/s shaft	0.952"	+0.010"

Main - 1980-85 engines with 63.3 mm small journal design.									
1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L	**4M1494P** Std. 10 20 30 40
2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L	
3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	23.93/0.942	F780	2	7119 U/L	
4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L	
Overflange length remains constant for standard and undersizes.									
Main - 1985-90 engines with 67.2 mm large journal design.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L	**4M2037A** Std. .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 4M2037P with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L	**4M7122P** .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

Cam									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102S** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	

BUICK

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 (Cont'd.)									
	Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.								
4C1102SW Std.	1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A
	2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A
	4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4
8 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
189 (3.1) Chevrolet Eng.		**J**	**V6**	**3.50 x 3.31**		**Connecting Rod 39 ft.lbs/53 Nm**			
189 (3.1) Chevrolet Eng.		**M**	**V6**	**3.50 x 3.31**		**Main Bearing 70 ft.lbs/95 Nm**			
189 (3.1) Chevrolet Eng.		**T**	**V6**	**3.50 x 3.31**					
	Rod - High Strength Aluminum Silicon material.								
6B1238A Std. 01 10 20 30 40		50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A
	Rod - .002" Oversize OD version of 6B1238A.								
6B1238AO/S2 10 20 30 40		50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH
	Main - Excl. VIN M								
4M2037A Std. .25 .50 .75 1.0	1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L
	2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L
	3 (Fl)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 4M2037P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
4M7122P .25 .50 .75 1.0	1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L
	2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L
	3 (Fl)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

	Main - VIN M - High Strength Aluminum Silicon material.								
4M7189A Std. .25 .50 .75 1.0	1,4	67.241/2.6473 67.267/2.6483	72.149/2.8405 72.174/2.8415			24.80/0.976	F810	4	7187A U/L
	2,3(L)	67.241/2.6473 67.267/2.6483	72.149/2.8405 72.174/2.8415			18.75/0.738	F810	3	7188A U/L
	3 (Fl)	67.241/2.6473 67.267/2.6483	72.149/2.8405 72.174/2.8415			23.93/0.942	F810	1	7189A U
	Cam								
4C1102S Std.	1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A
	2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2
	4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 8
Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102SW** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	

ENGINE	VIN	CYL	Bore x Stroke
181 (3.0)	**E**	**V6**	**3.80 x 2.66**
181 (3.0)	**L**	**V6**	**3.80 x 2.66**
196 (3.2)	**C**	**V6**	**3.50 x 3.40**
204 (3.3)	**N**	**V6**	**3.70 x 3.16**
231 (3.8)	**2**	**V6**	**3.80 x 3.40**
231 (3.8)	**3**	**V6**	**3.80 x 3.40**
231 (3.8) Turbo	**3**	**V6**	**3.80 x 3.40**
231 (3.8) Turbo	**7**	**V6**	**3.80 x 3.40**
231 (3.8) Turbo	**8**	**V6**	**3.80 x 3.40**
231 (3.8) Turbo	**9**	**V6**	**3.80 x 3.40**
231 (3.8) Even Fire	**A**	**V6**	**3.80 x 3.40**
231 (3.8)	**B**	**V6**	**3.80 x 3.40**
231 (3.8) Turbo	**G**	**V6**	**3.80 x 3.40**
252 (4.1)	**4**	**V6**	**3.97 x 3.40**

TORQUE SETTINGS **9**

Connecting Rod 20 ft.lbs/27 Nm +50 deg (204 engines)
Connecting Rod 40 ft.lbs/54 Nm (181, 196, 231, 252 engines)
Main Bearing 110 ft.lbs/150 Nm (181, 196, 231, 252 engines)
Main Bearing 26 ft.lbs/35 Nm + 50 deg (204 engines)

Rod - .660" wide bearing for 181, 196, (89-90) 204, (77-88) 231 Type A (even fire), 231 Turbo and 252 engines.									
	57.117/2.2487 57.137/2.2495	60.295/2.3738 60.312/2.3745	1.572/0.0619	.014/.0006 .077/.0030	16.76/0.660	F780	12	2360 IH	**6B1228P** Std. 01 10 20 30 40
Rod - .002" Oversize OD version of 6B1228P.									
	57.117/2.2487 57.137/2.2495	60.346/2.3758 60.363/2.3765	1.724/0.0679 (@ .010" u/s)	.005/.0002 .078/.0031	16.76/0.660	F780	12	9071 IH	**6B1228PO/S2** 10 20 30 40
Rod - for 1991-93 204 Type N engines only.									
	57.117/2.2487 57.137/2.2495	60.300/2.3740 60.312/2.3745	1.570/0.0618	.023/.0009 .081/.0032	18.30/0.720	F780	12	2306 IH	**6B1443P** Std. 10 20 30 40
Rod - .002" Oversize OD version of 6B1443P.									
	57.117/2.2487 57.137/2.2495	60.351/2.3760 60.363/2.3765	1.722/0.0678 (@ .010" u/s)	.024/.0009 .082/.0032	18.30/0.720	F780	12	9046 IH	**6B1443PO/S2** 10 20 30 40
Main - alt. set to 4M960P with +0.020" overflange length increase for undersizes.* See below for dimensional information.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1688P** 10 20 30
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.38/1.078	F780	2	9018 U/L	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1688P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.078"	+0.020"
.020" u/s shaft	1.078"	+0.020"
.030" u/s shaft	1.078"	+0.020"

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
9 (Cont'd.)									
	Main - alt. set to 4M960P with +0.040" overflange length increase for undersizes.* See below for dimensional information.								
4M1690P 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.89/1.098	F780	2	9024 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M1690P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.098"	+0.040"
.030" u/s shaft	1.098"	+0.040"

	Main - alt. set to 4M960P with +0.010" overflange length increase for undersizes.* See below for dimensional information.								
4M1747P 10 20 40	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.13/1.068	F780	2	9020 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1747P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

	Main - half groove, standard oil clearance for (1991-93) 204 engines.								
4M1822P Std. 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (Fl)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L
	Overflange length remains constant for standard and undersizes.								
	Main - alt. set to 4M1822P with +0.010" overflange length increase for undersizes.* See below for dimensional information.								
4M9022P 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (Fl)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	27.13/1.068	F780	2	9022 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M9022P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.030" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 9
Main - half groove, standard oil clearance for all engines (204 : 1989-90 only). Set includes modified upper rear main bearing.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M960P** Std. 01 10 20 30 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	26.87/1.058	F780	2	9017 U/L	
Overflange length remains constant for standard and undersizes.									
Cam - grooved O/D on #1 bush - alt. to 4C1031S.									
1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1B	**4C1031BS** Std.
2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2	
Cam - 1975-1985 engines with 14 bolt oil pan.									
1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1	**4C1031S** Std.
2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2	
Cam - Performance version for 1985-93 engines with 20 bolt oil pan.									
1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0744		19.18/0.755		2	BP-13-1 BP-9-2	**4C1246C** Std.
Cam - 1985-93 engines with 20 bolt oil pan.									
1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0743		19.18/0.755	F23	2	B-13-1	**4C1246S** Std.
2,3	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	2	B-9-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS **10**
215 (3.5)		**V8**	**3.50 x 2.80**	**Connecting Rod 30-45 ft.lbs/41-61 Nm**

Rod									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	16	2226A IH	**8B610A** Std. 10 20 30 40

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS **11**
225 (3.7)		**V6**	**3.75 x 3.40**	**Connecting Rod 20 ft.lbs + 50deg/27 Nm + 50deg** (for all 231 engines 1988-on)
231 (3.8) 3800 TPI Supercharged	**1**	**V6**	**3.80 x 3.40**	
231 (3.8) Series II Supercharged	**1**	**V6**	**3.80 x 3.40**	**Connecting Rod 30-40 ft.lbs/41-54 Nm** (1964-67 engines)
231 (3.8) 3800 MFI/TPI	**C**	**V6**	**3.80 x 3.40**	**Connecting Rod 40 ft.lbs/54 Nm** (1975-77 engines)
231 (3.8) Odd Fire	**C**	**V6**	**3.80 x 3.40**	**Main Bearing 110 ft.lbs/156 Nm** (1975-77 VIN C engines)
231 (3.8) Series II	**K**	**V6**	**3.80 x 3.40**	**Main Bearing 26 ft.lbs + 45deg / 35 Nm + 45deg** (1990-95
231 (3.8) 3800 MFI/TPI	**L**	**V6**	**3.80 x 3.40**	Vin L engines)
				Main Bearing 26 ft.lbs + 50deg / 35 Nm +50deg (1992-99 VIN 1 & K engines)
				Main Bearing 65-70 ft.lbs/88-95 Nm (1964 225 engines)
				Main Bearing 90 ft.lbs/121 Nm (1988-91 VIN C engines)
				Main Bearing 95-120 ft.lbs/129-162 Nm (1965-67 225 engines)

Rod - .660" wide bearing for 1988-90 231 Type C engines.									
	57.117/2.2487 57.137/2.2495	60.295/2.3738 60.312/2.3745	1.572/0.0619	.014/.0006 .077/.0030	16.76/0.660	F780	12	2360 IH	**6B1228P** Std. 01 10 20 30 40
Rod - .002" Oversize OD version of 6B1228P.									
	57.117/2.2487 57.137/2.2495	60.346/2.3758 60.363/2.3765	1.724/0.0679 (@ .010" u/s)	.005/.0002 .078/.0031	16.76/0.660	F780	12	9071 IH	**6B1228PO/S2** 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
11 (Cont'd.)									
	Rod - for 1990 on 231 Type K,L,1 engines and 1991 231 Type C engines only.								
6B1443P Std. 10 20 30 40		57.117/2.2487 57.137/2.2495	60.300/2.3740 60.312/2.3745	1.570/0.0618	.023/.0009 .081/.0032	18.30/0.720	F780	12	2306 IH
	Rod - .002" Oversize OD version of 6B1443P.								
6B1443PO/S2 10 20 30 40		57.117/2.2487 57.137/2.2495	60.351/2.3760 60.363/2.3765	1.722/0.0678 (@ .010" u/s)	.024/.0009 .082/.0032	18.30/0.720	F780	12	9046 IH
	Rod - for 1964-67 225 engines and 1975-77 231 Type C (odd fire) engines only.								
6B610A Std. 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	12	2226A IH
	Rod - To be superceded by 6B610A when stock exhausted.								
6B610P Std. 01 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	12	2226 IH
	Main - Alt. set to 4M960P with +0.020" overflange length increase for undersizes.* See below for dimensional information.								
4M1688P 10 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.38/1.078	F780	2	9018 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1688P**		
	Overall Width (Nominal)	**Increase in Width**
.010" u/s shaft	1.078"	+0.020"
.020" u/s shaft	1.078"	+0.020"
.030" u/s shaft	1.078"	+0.020"

	Main - alt. set to 4M960P with +0.040" overflange length increase for undersizes.* See below for dimensional information.								
4M1690P 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.89/1.098	F780	2	9024 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M1690P**		
	Overall Width (Nominal)	**Increase in Width**
.020" u/s shaft	1.098"	+0.040"
.030" u/s shaft	1.098"	+0.040"

	Main - Alt. set to 4M960P with +0.010" overflange length increase for undersizes. *See dimensional information below.								
4M1747P 10 20 40	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.13/1.068	F780	2	9020 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1747P**		
	Overall Width (Nominal)	**Increase in Width**
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 11
Main - half groove, standard oil clearance for 1990-93 Type L engines, 1992-93 Type 1 and 1991 Type C engines only.									
1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L	**4M1822P** Std. 10 20 30 40
1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U	
2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L	
4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L	
Overflange length remains constant for standard and undersizes.									
Main - for 1994 231 Type L & 1 engines.									
1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L	**4M2021P** Std. 10 20 30 40
1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U	
2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L	
4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2309 L	
Overflange length remains constant for standard and undersizes.									
Main - for 1995 on 231 engines.									
1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2299 L	**4M2022P** Std. 10 20 30 40
1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U	
2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L	
4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2309 L	
Overflange length remains constant for standard and undersizes.									
Main - alt. set to 4M1822P with +0.010" overflange length increase for undersizes.* See below for dimensional information.									
1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L	**4M9022P** 10 20 30 40
1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U	
2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	27.13/1.068	F780	2	9022 U/L	
4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 4M9022P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.030" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

Main - half groove, standard oil clearance for 1975-77 & 1988-90 Type C and 1964-67 225 engines only. Set includes modified upper rear main bearing.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M960P** Std. 01 10 20 30 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	26.87/1.058	F780	2	9017 U/L	
Overflange length remains constant for standard and undersizes.									

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
11 (Cont'd.)									
	Cam - grooved O/D on #1 bush - alt. to 4C1031S.								
4C1031BS Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1B
	2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2
	Cam - 231 Type C engines, 1975-1977.								
4C1031S Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1
	2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2
	Cam - Performance version for all engines 1988-95.								
4C1246C Std.	1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0744		19.18/0.755		2	BP-13-1 BP-9-2
	Cam - for all engines 1988-95.								
4C1246S Std.	1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0743		19.18/0.755	F23	2	B-13-1
	2,3	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	2	B-9-2
	Cam - for all engines 1996 on (Full round design).								
4C1812S Std.	1,4	46.858/1.8448 46.893/1.8462	50.686/1.9955 50.711/1.9965	1.882/0.0741		18.92/0.745	F23	2	B-14-1
	2,3	46.858/1.8448 46.893/1.8462	50.178/1.9755 50.228/1.9775	1.628/0.0641		16.00/0.630	F23	2	B-14-2
	Cam - 225 engines, 1964-1967								
4C506S Std.	1	44.577/1.7550 44.602/1.7560	47.892/1.8855 47.943/1.8875	1.631/0.0642		19.18/0.755	F23	1	B-6-1
	2	43.815/1.7250 43.840/1.7260	47.130/1.8555 47.181/1.8575	1.631/0.0642		19.18/0.755	F23	1	B-4-3
	3	43.053/1.6950 43.078/1.6960	46.368/1.8255 46.419/1.8275	1.631/0.0642		19.18/0.755	F23	1	B-4-4
	4	42.291/1.6650 42.316/1.6660	45.606/1.7955 45.657/1.7975	1.631/0.0642		19.18/0.755	F23	1	B-4-5
	Cam - for all engines 1996 on (OE split type design).								
4C5108 Std. 10	1,4	46.858/1.8448 46.893/1.8462	50.686/1.9955 50.737/1.9975	1.870/0.0736	.053/.0021 .165/.0065	19.00/0.748	F250	2	5108
	2,3	46.858/1.8448 46.893/1.8462	50.178/1.9755 50.229/1.9775	1.613/0.0635	.059/.0023 .171/.0067	15.75/0.620	F250	2	5109
	Cam Tower - Repair Insert for 1988-94 231 engines.								
1SC19549 Std. 10	2,3	45.339/1.7850 45.364/1.7860	49.836/1.9620 49.861/1.9630	2.230/0.0878	.012/.0005 .088/.0035	15.75/0.620	F250	1	19549
	Cam Tower - Repair Insert for 1988-94 231 engines.								
1SC19580 Std. 10	1,4	45.339/1.7850 54.364/2.1403	49.836/1.9620 49.861/1.9630	2.230/0.0878	.012/.0005 .088/.0035	19.00/0.748	F250	1	19580
	Cam Tower - Repair Insert for 1995 on 231 engines.								
1SC19581 Std. 10	1,4	46.858/1.8448 46.893/1.8462	51.283/2.0190 51.308/2.0200	2.179/0.0858	.032/.0013 .118/.0046	19.00/0.748	F250	1	19581
	Cam Tower - Repair Insert for 1995 on 231 engines.								
1SC19582 Std. 10	2,3	46.858/1.8448 46.893/1.8462	51.283/2.0190 51.308/2.0200	2.176/0.0857	.038/.0015 .124/.0049	15.75/0.620	F250	1	19582
	Small End - for 231 engines 1995 on (Exc. supercharged engines).								
RB4106 Semi		21.995/0.8659 22.000/0.8661	24.562/0.9670 (Nominal)	1.500/0.0591	.007/.0003 .022/.0009	21.20/0.835	F100	1	RB4106
	Bore allowance on the ID.								
	Small End - for 231 engines 1995 on (Exc. supercharged engines).								
RB4106-R Ream		21.995/0.8659 22.000/0.8661	24.562/0.9670 (Nominal)	1.360/0.0535		21.20/0.835	F100	1	RB4106-R
	Ream allowance on the ID.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**12**
250 (4.1) Chevrolet Eng.			**L6**	**3.88 x 3.53**	**Connecting Rod 35-45 ft.lbs/48-61 Nm**				
250 (4.1) Chevrolet Eng.		**D**	**L6**	**3.88 x 3.53**	**Main Bearing 60-70 ft.lbs/81-95 Nm**				
Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	12	2370 IH	**6B745P** Std. 01 10 20 30 40
Main									
1-6	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	12	7132 U/L	**7M617P** Std. 10 20 30 40
7 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L	
Cam - engines 1968-1970.									
1,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		21.97/0.865	F23	2	CH-5-2	**4C399S** Std.
2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	2	CH-5-3	
Cam - engines 1971-75.									
1,2,3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	4	CH-5-3	**4C718S** Std.
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**13**
256 (4.2) DOHC		**S**	**L6**	**93.04 mm x 102 mm**	**Connecting Rod 18 ft.lbs + 110 deg** **Main Bearing 18 ft.lbs + 180 deg**				
Rod									
	56.691/2.2319 56.707/2.2326	60.322/2.3749 60.338/2.3755	1.798/0.0708	.011/.0004 .059/.0023	20.75/0.817	F810	12	2290A IH	**6B2290A** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 6B2290A.									
	56.691/2.2319 56.707/2.2326	60.372/2.3768 60.388/2.3775	1.952/0.0769 (@ .25mm u/s)	.011/.0004 .059/.0023	20.75/0.817	F810	12	9102A IH	**6B2290AO/S2** .25 .50 .75 1.0
Main									
1,2,3,4,6, 7	69.967/2.7546 69.982/2.7552	78.069/3.0736 78.087/3.0743	4.044/0.1592	.007/.0003 .050/.0020	20.68/0.814	F820	12	MB3781P U/L	**7M2224A** Std. 10 20
5 (Fl)	69.967/2.7546 69.982/2.7552	78.069/3.0736 78.087/3.0743	4.044/0.1592	.007/.0003 .050/.0020	25.35/0.998	F820	2	MB3782P U/L	
Small End									
	22.997/0.9054 23.000/0.9055	25.857/1.0180	1.372/0.0540		23.75/0.935	F100	1	223-3664	**AB3664** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**14**
260 (4.3) Oldsmobile Eng.		**F**	**V8**	**3.50 x 3.39**	**Connecting Rod 42 ft.lbs/57 Nm**				
307 (5.0) Oldsmobile Eng.		**Y**	**V8**	**3.80 x 3.39**	**Main Bearing 120 ft.lbs/163 Nm** (rear bearing cap)				
350 (5.7) Oldsmobile Eng.		**R**	**V8**	**4.06 x 3.39**	**Main Bearing 80 ft.lbs/108 Nm** (except rear bearing cap)				
403 (6.6) Oldsmobile Eng.		**K**	**V8**	**3.50 x 3.39**					
Rod									
	53.945/2.1238 53.970/2.1248	57.137/2.2495 57.150/2.2500	1.572/0.0619	.023/.0009 .087/.0034	21.11/0.831	F780	16	8500 IH	**8B684P** Std. 10 20 30 40
Rod - .002" oversize OD version of 8B684P.									
	53.945/2.1238 53.970/2.1248	57.188/2.2515 57.201/2.2520	1.724/0.0679 (@ .010" u/s)	.024/.0009 .088/.0035	21.11/0.831	F780	16	9041 IH	**8B684PO/S2** 10 20 30 40
Main									
1(L)	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	1	8502 L	**5M805P** Std. 10 20 30 40
1(U),2,4	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	5	8505 IH	
3 (Fl)	63.457/2.4983 63.482/2.4993	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	30.35/1.195	F780	2	8503 IH	
5	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	41.37/1.629	F780	2	8504 U/L	

Overflange length remains constant for standard and undersizes.

BUICK

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
14 (Cont'd.)									
	Main - optional set to 5M805P with overflange length increase for undersizes. * See below for dimensional information.								
5M8603P 10 20 30 40	1	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	1	8502 L
	1(U),2,4	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	5	8505 IH
	3 (FI)	63.457/2.4983 63.482/2.4993	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	30.61/1.205	F780	2	8603 IH
	5	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	41.37/1.629	F780	2	8504 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M8603P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.205"	+0.010"
.020" u/s shaft	1.205"	+0.010"
.030" u/s shaft	1.205"	+0.010"
.040" u/s shaft	1.205"	+0.010"

	Cam - engines 1977 on.								
5C1088S Std.	1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-7-1
	2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2
	3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3
	4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4
	5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5
	Cam - for 1975-1976 engines.								
5C638S Std.	1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-6-1
	2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2
	3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3
	4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4
	5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5
	Small End - for 307 engines only.								
RB3049YA20 Semi		24.933/0.9816 (Finish ID Bore Size)	27.534/1.0840 (Nominal)			23.37/0.920	F100	1	3049YA20

15 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
350 (5.7) Oldsmobile Eng. Diesel	**N**	**V8**	**4.06 x 3.39**	**Connecting Rod 42 ft.lbs/57 Nm Main Bearing 120 ft.lbs/163 Nm**

	Rod								
8B684P Std. 10 20 30 40		53.945/2.1238 53.970/2.1248	57.137/2.2495 57.150/2.2500	1.572/0.0619	.023/.0009 .087/.0034	21.11/0.831	F780	16	8500 IH
	Rod - .002" oversize OD version of 8B684P.								
8B684PO/S2 10 20 30 40		53.945/2.1238 53.970/2.1248	57.188/2.2515 57.201/2.2520	1.724/0.0679 (@ .010" u/s)	.024/.0009 .088/.0035	21.11/0.831	F780	16	9041 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 15
Main									
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L	**5M804P** Std. 10 20 30 40
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U	
2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH	
3 (Fl)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.38/1.196	F780	2	8508 IH	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 5M804P with .010" overflange length increase for undersizes. * See below for dimensional information.									
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L	**5M8519P** 20 30 40
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U	
2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH	
3 (Fl)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.63/1.206	F780	2	8519 IH	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M8519P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.206"	+0.010"
.030" u/s shaft	1.206"	+0.010"
.040" u/s shaft	1.206"	+0.010"

Cam									
1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-7-1	**5C1088S** Std.
2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2	
3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3	
4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4	
5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5	
Small End									
		30.353/1.1950 30.391/1.1965	1.575/0.0620		24.77/0.975	F100	1	02495	**AB02495** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 16
265 (4.3) Pontiac Eng.	**S**	**V8**	**3.75 x 3.00**	**Connecting Rod 35 ft.lbs/48 Nm**
301 (4.9) Pontiac Eng.	**W**	**V8**	**4.00 x 3.00**	**Main Bearing 100 ft.lbs/136 Nm** (rear bearing cap)
301 (4.9) Pontiac Eng.	**Y**	**V8**	**4.00 x 3.00**	**Main Bearing 70 ft.lbs/95 Nm** (except rear bearing cap)

Rod - .002" oversize OD version of 8B610A (2 sets required per engine).									
	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH	**4B610AO/S2** 10 20 30 40
Rod									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	16	2226A IH	**8B610A** Std. 10 20 30 40

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
16 (Cont'd.)									
	Main								
5M1415P Std. 10 20 30 40	1,2,3	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.375/0.0935	.012/.0005 .089/.0035	21.97/0.865	F780	6	7134 U/L
	4 (FI)	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.375/0.0935	.012/.0005 .089/.0035	26.87/1.058	F780	2	7135 U/L
	5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .089/.0035	40.38/1.590	F780	2	7136 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C292S Std.	1-5	48.240/1.8992 48.252/1.8997	51.554/2.0297 51.605/2.0317	1.640/0.0646		17.40/0.685	F23	5	P-3-2

17 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
267 (4.4) Chevrolet Eng.	**J**	**V8**	**3.50 x 3.48**	**Connecting Rod 35 ft.lbs/48 Nm** (11/32" bolts only)
305 (5.0) Chevrolet Eng.	**E**	**V8**	**3.74 x 3.48**	**Connecting Rod 45 ft.lbs/61 Nm** (3/8" bolts only)
305 (5.0) Chevrolet Eng.	**G**	**V8**	**3.74 x 3.48**	**Main Bearing 75 ft.lbs/102 Nm**
305 (5.0) Chevrolet Eng.	**H**	**V8**	**3.74 x 3.48**	
305 (5.0) Chevrolet Eng.	**U**	**V8**	**3.74 x 3.48**	
350 (5.7) Chevrolet Eng.	**7**	**V8**	**4.00 x 3.48**	
350 (5.7) Chevrolet Eng.	**L**	**V8**	**4.00 x 3.48**	
350 (5.7) Chevrolet Eng.	**P**	**V8**	**4.00 x 3.48**	

	Rod								
8B663A Std. 01 10 20 30 40		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A
	Rod - .002" oversize OD version of 8B663A.								
8B663AO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH
	Rod								
8B663P Std. 01 10 20 30 40 50 60		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH
	Rod - .002" oversize OD version of 8B663P.								
8B663PO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH
	Main - Alt set to 5M909P with +0.020" overflange length increase for undersizes. *See below for dimensional information.								
5M1626P 10 20 30 40 50 60	1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L
	5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L

*** DIMENSIONAL INFORMATION FOR 5M1626P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"
.050" u/s shaft	1.738"	+0.020"
.060" u/s shaft	1.738"	+0.020"

	Main - Alt set to 5M909P with +0.040" overflange length increase for undersizes. *See below for dimensional information.								
5M1683P 20 30 40	1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L
	5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	1.76/0.069	F780	2	2355 U/L

*** DIMENSIONAL INFORMATION FOR 5M1683P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 17
Main - Alt set to 5M909P with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1744P** 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.89/1.728	F780	2	2365 U/L	

*** DIMENSIONAL INFORMATION FOR 5M1744P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.728"	+0.010"
.020" u/s shaft	1.728"	+0.010"
.030" u/s shaft	1.728"	+0.010"
.040" u/s shaft	1.728"	+0.010"
.050" u/s shaft	1.728"	+0.010"
.060" u/s shaft	1.728"	+0.010"

Main - half groove. Standard oil clearance.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F810	8	2377A U/L	**5M909A** Std. 01 10 20 30 40
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L	
Overflange length remains constant for standard and undersizes.									
Main									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M909P** Std. 01 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L	
Overflange length remains constant for standard and undersizes.									
Cam - Single piece from 5C3349C set (#1 cam).									
	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**1C3349C** Std.
Cam - +0.010" O.D. all housing bores 2.0290"/2.0310" (High Performance). Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536	**5C004AS** Std.
Cam - +0.020" O.D. all housing bores 2.0390"/2.0410" (High Performance). Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537	**5C004BS** Std.
Cam - standard housing bores.									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1	**5C290S** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.760/0.0694		18.92/0.745	F23	2	CH-4-2	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3	
Cam - standard housing bores (High Performance).									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**5C3349C** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 18
340 (5.6)		**V8**	**3.75 x 3.85**	**Connecting Rod 30-40 ft.lbs/41-54 Nm** (340 engine only)
350 (5.7)		**V8**	**3.80 x 3.85**	**Connecting Rod 35 ft.lbs/48 Nm** (350 engine only)
350 (5.7)	**B**	**V8**	**3.80 x 3.85**	**Main Bearing 95 ft.lbs/129 Nm** (350 engine only)
350 (5.7)	**H**	**V8**	**3.80 x 3.85**	**Main Bearing 95-120 ft.lbs/129-163 Nm** (340 engine only)
350 (5.7)	**J**	**V8**	**3.80 x 3.85**	
350 (5.7)	**X**	**V8**	**3.80 x 3.85**	

Rod - .002" oversize OD version of 8B610A (2 sets required per engine).									
	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH	**4B610AO/S2** 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
18 (Cont'd.)									
	Rod - To be superceded by 4B610AO/S2 when stock exhausted.								
4B610PO/S2 10 20 30 40		50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/s)	.015/.0006 .067/.0026	18.84/0.742	F780	8	9070 IH
	Rod								
8B610A Std. 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	16	2226A IH
	Rod - To be superceded by 8B610A when stock exhausted.								
8B610P Std. 01 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	16	2226 IH
	Main - half groove, standard oil clearance.								
5M1457P Std. 10 20 30	1,2,4	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.370/0.0935	.020/.0008 .097/.0038	22.10/0.870	F780	6	7134 U/L
	3 (Fl)	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.370/0.0935	.020/.0008 .097/.0038	26.87/1.058	F780	2	7135 U/L
	5	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.370/0.0935	.020/.0008 .097/.0038	22.10/0.870	F780	2	7137 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Atlernate set to 5M1457P with +0.004" overflange length increase. * See dimensional information below.								
5M7177P 10 20 30 40	1,2,4	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.374/0.0935	.020/.0008 .097/.0038	22.10/0.870	F780	6	7134 U/L
	3 (Fl)	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.374/0.0935	.020/.0008 .097/.0038	26.97/1.062	F780	2	7177 U/L
	5	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.374/0.0935	.020/.0008 .097/.0038	22.10/0.870	F780	2	7137 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 5M7177P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.062"	+0.004"
.020" u/s shaft	1.062"	+0.004"
.030" u/s shaft	1.062"	+0.004"
.040" u/s shaft	1.062"	+0.004"

	Cam - 350 B/H/J/X engines, 1968-1981.								
5C680S Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1
	2-5	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	4	B-9-2

19 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
364 (6.0)		**V8**	**4.125 x 3.40**	**Connecting Rod 40-45 ft.lbs/54-60 Nm** **Main Bearing 100-110 ft.lbs/136-150 Nm**

	Rod								
8B762P Std. 10 20 30		57.125/2.2490 57.150/2.2500	60.300/2.3740 60.312/2.3745	1.572/0.0619	.018/.0007 .081/.0032	20.98/0.826	F780	16	2350 IH
	Cam								
5C361S Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.704/1.9175	1.633/0.0643		19.20/0.755	F23	1	B-4-1
	2	44.577/1.7550 44.602/1.7560	47.892/1.8855 47.942/1.8875	1.631/0.0642		19.20/0.755	F23	1	B-6-1
	3	43.815/1.7250 43.840/1.7260	47.130/1.8555 47.180/1.8575	1.633/0.0643		19.20/0.755	F23	1	B-4-3
	4	43.053/1.6950 43.078/1.6960	46.368/1.8255 46.418/1.8275	1.633/0.0643		19.20/0.755	F23	1	B-4-4
	5	42.291/1.6650 42.316/1.6660	45.606/1.7955 45.656/1.7975	1.633/0.0643		19.20/0.755	F23	1	B-4-5

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** — **20**

400 (6.6) Pontiac Eng. | **S** | **V8** | **4.12 x 3.75** | **Connecting Rod 45 ft.lbs/61 Nm**; **Main Bearing 120 ft.lbs/163 Nm** (rear bearing cap); **Main Bearing 95 ft.lbs/129 Nm** (except rear bearing cap)

Rod

	57.117/2.2487 57.142/2.2497	60.312/2.3745 60.325/2.3750	1.572/0.0619	.026/.0010 .090/.0035	22.37/0.881	F780	16	7140 IH	**8B758P** Std. 10 20 30 40

Main - Alt set to 5M496P with +0.010" overflange length increase. * See below for dimensional information.

1,2,3	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .088/.0035	23.82/0.938	F780	6	7138 U/L	**5M2496P** 10 20 30 40
4 (FI)	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.009/.0004 .086/.0034	29.10/1.146	F780	2	7149 U/L	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .088/.0035	40.38/1.590	F780	2	7136 U/L	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 5M2496P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.146"	+0.010"
.020" u/s shaft	1.146"	+0.010"
.030" u/s shaft	1.146"	+0.010"
.040" u/s shaft	1.146"	+0.010"

Main

1,2,3	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .088/.0035	23.82/0.938	F780	6	7138 U/L	**5M496P** Std. 10 20 30 40
4 (FI)	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.009/.0004 .086/.0034	28.85/1.136	F780	2	7139 U/L	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .088/.0035	40.38/1.590	F780	2	7136 U/L	

Overflange length remains constant for standard and undersizes.

Cam

1-5	48.240/1.8992 48.252/1.8997	51.554/2.0297 51.605/2.0317	1.640/0.0646		17.40/0.685	F23	5	P-3-2	**5C292S** Std.

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** — **21**

400 (6.6)		**V8**	**4.04 x 3.90**	**Connecting Rod 40-50 ft.lbs/54-68 Nm** (400,430 engines only)
430 (7.0)		**V8**	**4.19 x 3.90**	
455 (7.5)		**V8**	**4.31 x 3.90**	**Connecting Rod 45 ft.lbs/61 Nm** (455 engine only)
455 (7.5)	**P**	**V8**	**4.31 x 3.90**	**Main Bearing 110 ft.lbs/150 Nm** (455 engine only)
455 (7.5)	**R**	**V8**	**4.31 x 3.90**	**Main Bearing 80-115 ft.lbs/108-156 Nm** (400,430 engines only)
455 (7.5)	**T**	**V8**	**4.31 x 3.90**	
455 (7.5)	**U**	**V8**	**4.31 x 3.90**	
455 (7.5)	**V**	**V8**	**4.31 x 3.90**	
455 (7.5)	**W**	**V8**	**4.31 x 3.90**	

Rod

	57.125/2.2490 57.150/2.2500	60.300/2.3740 60.312/2.3745	1.572/0.0619	.018/.0007 .081/.0032	20.98/0.826	F780	16	2350 IH	**8B762P** Std. 10 20 30

Main - Alternate set to 5M908P with +0.010" overflange length increase. * See below for dimensional information.

1,2,4	82.537/3.2495 82.550/3.2500	87.325/3.4380 87.351/3.4390	2.380/0.0937	.028/.0011 .091/.0036	20.50/0.807	F780	6	7173 U/L	**5M7185P** 20 30 40
3 (FI)	82.537/3.2495 82.550/3.2500	87.325/3.4380 87.351/3.4390	2.380/0.0937	.028/.0011 .091/.0036	27.12/1.068	F780	2	7185 U/L	
5	82.537/3.2495 82.550/3.2500	87.325/3.4380 87.351/3.4390	2.380/0.0937	.028/.0011 .091/.0036	29.16/1.148	F780	2	7174 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M7185P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.068"	+0.010"
.030" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

BUICK

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
21 (Cont'd.)									
	Main - half groove, standard oil clearance.								
5M908P Std. 10 20 30	1,2,4	82.537/3.2495 82.550/3.2500	87.325/3.4380 87.351/3.4390	2.380/0.0937	.028/.0011 .091/.0036	20.50/0.807	F780	6	7173 U/L
	3 (Fl)	82.537/3.2495 82.550/3.2500	87.325/3.4380 87.351/3.4390	2.380/0.0937	.028/.0011 .091/.0036	26.87/1.058	F780	2	7175 U/L
	5	82.537/3.2495 82.550/3.2500	87.325/3.4380 87.351/3.4390	2.380/0.0937	.028/.0011 .091/.0036	29.16/1.148	F780	2	7174 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C680S Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1
	2-5	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	4	B-9-2

22 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
401 (6.6)		**V8**	**4.19 x 3.64**	**Connecting Rod 40-45 ft.lbs/54-61 Nm** (1959-64 engines only)
425 (7.0)		**V8**	**4.31 x 3.64**	**Connecting Rod 40-50 ft.lbs/54-68 Nm** (1965-66 engines only)
				Main Bearing 100-110 ft.lbs/135-150 Nm (1959-64 engines only)
				Main Bearing 95-120 ft.lbs/128-162 Nm (1965-66 engines only)

	Rod								
8B762P Std. 10 20 30		57.125/2.2490 57.150/2.2500	60.300/2.3740 60.312/2.3745	1.572/0.0619	.018/.0007 .081/.0032	20.98/0.826	F780	16	2350 IH
	Cam								
5C361S Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.704/1.9175	1.633/0.0643		19.20/0.755	F23	1	B-4-1
	2	44.577/1.7550 44.602/1.7560	47.892/1.8855 47.942/1.8875	1.631/0.0642		19.20/0.755	F23	1	B-6-1
	3	43.815/1.7250 43.840/1.7260	47.130/1.8555 47.180/1.8575	1.633/0.0643		19.20/0.755	F23	1	B-4-3
	4	43.053/1.6950 43.078/1.6960	46.368/1.8255 46.418/1.8275	1.633/0.0643		19.20/0.755	F23	1	B-4-4
	5	42.291/1.6650 42.316/1.6660	45.606/1.7955 45.656/1.7975	1.633/0.0643		19.20/0.755	F23	1	B-4-5

CADILLAC ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
112 (1.8)	Chevrolet Eng.	G	L4	82-82	1
122 (2.0)	OHV Chevrolet Eng.	P	L4	83-86	1
173 (2.8)	Chevrolet Eng.	W	V6	85-88	2
250 (4.1)	Aluminum Block	7	V8	87-88	3
250 (4.1)	Aluminum Block	8	V8	82-87	3
252 (4.1)	Buick Eng. (Even Fire)	4	V6	80-82	4
260 (4.3)	Oldsmobile Eng.,Diesel	T	V6	85-85	5
273 (4.5)	Aluminum Block	3	V8	90-90	3
273 (4.5)	Aluminum Block	5	V8	88-90	3
273 (4.5)	Aluminum Block	8	V8	89-92	3
300 (4.9)	Aluminum Block	B	V8	91-95	3
305 (5.0)	Chevrolet Eng.	E	V8	91-92	6
307 (5.0)	Oldsmobile Eng.	9	V8	87-90	7
307 (5.0)	Oldsmobile Eng.	Y	V8	86-90	7
325 (5.3)	Vortec 5300	T	V8	02-05	8
346 (5.7)		S	V8	04-05	8
350 (5.7)	Chevrolet Eng.	7	V8	90-93	11
350 (5.7)	Oldsmobile Eng.	8	V8	80-80	10
350 (5.7)	Oldsmobile Eng.	B	V8	78-79	10
350 (5.7)	Oldsmobile Eng.,Diesel	N	V8	78-85	9
350 (5.7)	Chevrolet Eng.	P	V8	94-96	11
350 (5.7)	Chevrolet Eng.	R	V8	99-00	11
350 (5.7)	Oldsmobile Eng.	R	V8	76-77	10
364 (6.0)	Vortec 6000	N	V8	02-06	8
364 (6.0)	Vortec 6000	U	V8	06-06	8
368 (6.0)		6	V8	80-84	12
368 (6.0)		9	V8	80-84	12
425 (7.0)		S	V8	77-79	12
425 (7.0)		T	V8	77-79	12
472 (7.7)			V8	68-71	12
472 (7.7)		R	V8	72-74	12
500 (8.2)			V8	70-71	12
500 (8.2)		S	V8	72-76	12

CADILLAC MODEL INDEX

Model	CID	cc	Liter	Description	Years
ALLANTE	250		4.1	Aluminum Block	87-88
	273		4.5	Aluminum Block	89-92
CALAIS	472		7.7		68-74
	500		8.2		75-76
CIMARRON	112		1.8	Chevrolet Eng.	82
	122		2.0	OHV Chevrolet Eng.	83-86
	173		2.8	Chevrolet Eng.	85-88
COMMERCIAL CHASSIS	368		6.0		80-84
	425		7.0		77-79
	500		8.2		75-76
CTS - V	346		5.7		04-05
	364		6.0	Vortec 6000	06
DEVILLE	252		4.1	Buick Eng. (Even Fire)	80-82
	260		4.3	Oldsmobile Eng.	85
	250		4.1	Aluminum Block	82-87
	273		4.5	Aluminum Block	88-90
	300		4.9	Aluminum Block	91-95
	350		5.7	Oldsmobile Eng.	79-84
	368		6.0		80-81
	425		7.0		77-79
	472		7.7		68-74
	500		8.2		74-76
DEVILLE - TOURING	300		4.9	Aluminum Block	91-93
ELDORADO	252		4.1	Buick Eng. (Even Fire)	81-82
	250		4.1	Aluminum Block	82-87
	273		4.5	Aluminum Block	88-90
	300		4.9	Aluminum Block	91-93
	350		5.7	Oldsmobile Eng.	79-85
	368		6.0		80-81
	425		7.0		77-78
	472		7.7		68-69
	500		8.2		70-76
ELDORADO - BIARRITZ	250		4.1	Aluminum Block	84-85
ESCALADE	325		5.3	Vortec 5300	02-05
	350		5.7	Chevrolet Eng.	99-00
	364		6.0	Vortec 6000	02-06
ESCALADE - ESV	364		6.0	Vortec 6000	03-06
ESCALADE - EXT	364		6.0	Vortec 6000	02-06
FLEETWOOD	260		4.3	Oldsmobile Eng.	85
FLEETWOOD	250		4.1	Aluminum Block	85-87
	273		4.5	Aluminum Block	88-90
	300		4.9	Aluminum Block	91-92
	350		5.7	Chevrolet Eng.	92-96
	368		6.0		80-84
	425		7.0		77-79
	472		7.7		68-74
	500		8.2		76
FLEETWOOD - 60 SPECIAL	250		4.1	Aluminum Block	87
	273		4.5	Aluminum Block	88-90
	300		4.9	Aluminum Block	91-93
	472		7.7		68-74
	500		8.2		75-76
FLEETWOOD - 60 SPECIAL BROUGHAM	500		8.2		74
FLEETWOOD - 75	250		4.1	Aluminum Block	86
	472		7.7		68-74
	500		8.2		75-76
FLEETWOOD - BROUGHAM	252		4.1	Buick Eng. (Even Fire)	80-82
	250		4.1	Aluminum Block	82-85
	305		5.0	Chevrolet Eng.	91-92
	307		5.0	Oldsmobile Eng.	86-90
	350		5.7	Chevrolet Eng.	90-96
	350		5.7	Oldsmobile Eng.	79-85
	368		6.0		80-81
	425		7.0		77-79
	472		7.7		68-70
FLEETWOOD - D'ELEGANCE	250		4.1	Aluminum Block	87
	273		4.5	Aluminum Block	88
FLEETWOOD - FORMAL	368		6.0		80-84
	425		7.0		77-79
SEVILLE	252		4.1	Buick Eng. (Even Fire)	81-82
	250		4.1	Aluminum Block	82-87
	273		4.5	Aluminum Block	88-90
	300		4.9	Aluminum Block	91-93
	350		5.7	Oldsmobile Eng.	76-85
	368		6.0		80-81
SEVILLE - STS	273		4.5	Aluminum Block	90
	300		4.9	Aluminum Block	91-92

CADILLAC

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
112 (1.8) Chevrolet Eng.			**G L4**	**3.50 x 2.91**		**Connecting Rod 34-43 ft.lbs/47-58 Nm**			
122 (2.0) OHV Chevrolet Eng.			**P L4**	**3.50 x 3.15**		**Main Bearing 63-77 ft.lbs/85-105 Nm**			
	Rod								
4B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH
	Main - 112 (1.8L) engine, 1982 only.								
5M1524P Std. .25 .50 .75	1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH
	4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7162 IH
	5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L
	Main - 122 (2.0L) engine only.								
5M1567P Std. .25 .50 .75 1.0	1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH
	4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH
	5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C1195S Std.	1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1
	2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4
	3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2
2 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
173 (2.8) Chevrolet Eng.			**W V6**	**3.50 x 2.99**		**Connecting Rod 34-40 ft.lbs/47-54 Nm** **Main Bearing 63-74 ft.lbs/85-101 Nm**			
	Rod - High Strength Aluminum Silicon material.								
6B1238A Std. 01 10 20 30 40		50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A
	Rod - .002" oversize back version of 6B1238A.								
6B1238AO/S2 10 20 30 40		50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH
	Main - optional set to 4M1494P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
4M1493P 10 20 30 40	1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L
	2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L
	3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.18/0.952	F780	2	7129 U/L
	4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M1493P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	0.952"	+0.010"
.020" u/s shaft	0.952"	+0.010"
.030" u/s shaft	0.952"	+0.010"
.040" u/s shaft	0.952"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 2
Main - 1985 engines only with 2.4937"/2.4946" shaft.									
1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L	**4M1494P** Std. 10 20 30 40
2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L	
3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	23.93/0.942	F780	2	7119 U/L	
4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L	
Overflange length remains constant for standard and undersizes.									
Main - 1985-88 engines with 2.6472"/2.6482" shaft. High Strength Aluminum Silicon material.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L	**4M2037A** Std. .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L	
Main - optional set to 4M2037A with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L	**4M7122P** .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L	
to be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

Cam									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102S** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	
Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102SW** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 3
250 (4.1) Aluminum Block	**7**	**V8**	**3.47 x 3.31**	**Connecting Rod 22 ft.lbs/30 Nm**
250 (4.1) Aluminum Block	**8**	**V8**	**3.47 x 3.31**	**Main Bearing 85 ft.lbs/115 Nm**
273 (4.5) Aluminum Block	**3**	**V8**	**3.62 x 3.31**	
273 (4.5) Aluminum Block	**5**	**V8**	**3.62 x 3.31**	
273 (4.5) Aluminum Block	**8**	**V8**	**3.62 x 3.31**	
300 (4.9) Aluminum Block	**B**	**V8**	**3.62 x 3.62**	

Rod									
	48.943/1.9269 48.969/1.9279	52.131/2.0524 52.146/2.0530	1.570/0.0620	.020/.0008 .086/.0034	16.87/0.664	F780	16	7130 IH	**8B1351P** Std. .25 .50 .75
Rod - .002" oversize back version of 8B1351P.									
	48.943/1.9269 48.968/1.9279	52.182/2.0544 52.197/2.0550	1.725/0.0679 (@ 0.25 mm u/s)	.014/.0006 .080/.0031	16.87/0.664	F780	16	9010 IH	**8B1351PO/S2** .25 .50 .75

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 (Cont'd.)									
	Main								
5M7146P Std. .25 .50 .75	1	66.939/2.6354 66.965/2.6364	71.821/2.8276 71.839/2.8283	2.440/0.0960	.013/.0005 .081/.0032	24.13/0.950	F780	2	7202 IH
	2,4	66.939/2.6354 66.965/2.6364	71.821/2.8276 71.839/2.8283	2.440/0.0960	.023/.0009 .091/.0036	24.13/0.950	F780	4	7203 IH
	3 (Fl)	66.939/2.6354 66.965/2.6364	71.821/2.8276 71.839/2.8283	2.430/0.0955	.041/.0016 .109/.0043	32.82/1.292	F780	2	7146 IH
	5	66.939/2.6354 66.965/2.6364	71.821/2.8276 71.839/2.8283	2.440/0.0961	.023/.0009 .091/.0036	24.94/0.982	F780	2	7205 IH
	Overflange length remains constant for standard and undersizes. Note: If oil clearance on #1 position exceeds .004", install a .026mm/.001" in the #1 journal position.								
	Cam								
5C1300S Std.	1	51.710/2.0358 51.730/2.0366	55.067/2.1680 55.105/2.1695	1.660/0.0652		15.14/0.596	F23	1	C-4-1
	2	51.200/2.0157 51.220/2.0165	54.560/2.1480 54.597/2.1495	1.660/0.0652		15.14/0.596	F23	1	C-4-2
	3	50.690/1.9957 50.710/1.9965	54.051/2.1280 54.089/2.1295	1.660/0.0652		15.14/0.596	F23	1	C-4-3
	4	50.180/1.9756 50.200/1.9764	53.543/2.1080 53.581/2.1095	1.660/0.0652		15.14/0.596	F23	1	C-4-4
	5	49.680/1.9559 49.700/1.9567	53.035/2.0880 53.073/2.0895	1.660/0.0652		15.14/0.596	F23	1	C-4-5
	Cam - 0.690" wide #5 position cam								
5C1300SW Std.	1	51.710/2.0358 51.730/2.0366	55.067/2.1680 55.105/2.1695	1.660/0.0652		15.14/0.596	F23	1	C-4-1
	2	51.200/2.0157 51.220/2.0165	54.560/2.1480 54.597/2.1495	1.660/0.0652		15.14/0.596	F23	1	C-4-2
	3	50.690/1.9957 50.710/1.9965	54.051/2.1280 54.089/2.1295	1.660/0.0652		15.14/0.596	F23	1	C-4-3
	4	50.180/1.9756 50.200/1.9764	53.543/2.1080 53.581/2.1095	1.660/0.0652		15.14/0.596	F23	1	C-4-4
	5	49.680/1.9559 49.700/1.9567	53.035/2.0880 53.073/2.0895	1.660/0.0652		17.53/0.690	F23	1	C-4-5A

4 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
252 (4.1) Buick Eng. (Even Fire)	**4**	**V6**	**3.97 x 3.40**	**Connecting Rod 40 ft.lbs/54 Nm Main Bearing 110 ft.lbs/150 Nm**

	Rod - .660" wide bearing.								
6B1228P Std. 01 10 20 30 40		57.117/2.2487 57.137/2.2495	60.295/2.3738 60.312/2.3745	1.572/0.0619	.014/.0006 .077/.0030	16.76/0.660	F780	12	2360 IH
	Rod - .002" oversize back version of 6B1228P.								
6B1228PO/S2 10 20 30 40		57.117/2.2487 57.137/2.2495	60.346/2.3758 60.363/2.3765	1.724/0.0679 (@ .010" u/s)	.005/.0002 .078/.0031	16.76/0.660	F780	12	9071 IH
	Main - half groove, standard oil clearance. Optional set to 4M960P with +0.020" overflange length increase.*See below for dimensional information. (Set includes modified upper rear main bearing.)								
4M1688P 10 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.38/1.078	F780	2	9018 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1688P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.078"	+0.020"
.020" u/s shaft	1.078"	+0.020"
.030" u/s shaft	1.078"	+0.020"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 4
Main - half groove, standard oil clearance. Optional set to 4M960P with +0.040" overflange length increase.*See below for dimensional information. (Set includes modified upper rear main bearing.)									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1690P** 20 30
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.89/1.098	F780	2	9024 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 4M1690P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.098"	+0.040"
.030" u/s shaft	1.098"	+0.040"

Main - half groove, standard oil clearance. Optional set to 4M960P with +0.010" overflange length increase.*See below for dimensional information. (Set includes modified upper rear main bearing.)									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1747P** 10 20 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.13/1.068	F780	2	9020 U/L	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1747P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

Main - half groove, standard oil clearance. (Set includes modified upper rear main bearing.)									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M960P** Std. 01 10 20 30 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	26.87/1.058	F780	2	9017 U/L	

Overflange length remains constant for standard and undersizes.

Cam - grooved O/D on #1 bush - alt. set to 4C1031S.									
1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1B	**4C1031BS** Std.
2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2	
Cam									
1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1	**4C1031S** Std.
2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	5
260 (4.3) Oldsmobile Eng. Diesel	**T**	**V6**	**4.057 x 3.585**	**Connecting Rod 42 ft.lbs/57 Nm Main Bearing 89 ft.lbs/120 Nm**	

Rod									
	57.125/2.2490 57.150/2.2500	60.305/2.3742 60.325/2.3750	1.570/0.0618	.013/.0005 .064/.0025	22.23/0.875	F780	12	CB1366P IH	**6B8510P** Std. 10 20 30

CADILLAC

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
5 (Cont'd.)									
	Main								
4M1616P Std. 10	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.380/0.0936	.020/.0008 .097/.0038	24.89/0.980	F780	2	MB2362P U/L
	2	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.380/0.0936	.020/.0008 .097/.0038	24.87/0.979	F780	2	MB2163P IH
	3 (FI)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.380/0.0936	.020/.0008 .097/.0038	30.35/1.195	F780	2	MB2363P IH
	4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.370/0.0932	.046/.0018 .086/.0034	32.26/1.270	F780	2	MB2964P U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
4C1247S Std.	1	51.707/2.0357 51.727/2.0365	55.062/2.1678 55.113/2.1698	1.640/0.0646		17.60/0.693	F23	1	O-7-1
	2	51.199/2.0157 51.219/2.0165	54.554/2.1478 54.605/2.1498	1.640/0.0646		17.60/0.693	F23	1	O-6-2
	3	50.691/1.9957 50.711/1.9965	54.046/2.1278 54.097/2.1298	1.640/0.0646		17.60/0.693	F23	1	O-6-3
	4	50.183/1.9757 50.203/1.9765	53.538/2.1078 53.589/2.1098	1.640/0.0646		17.60/0.693	F23	1	O-6-4

6 ENGINE — **VIN** E — **CYL** V8 — **Bore x Stroke** 3.74 x 3.48

305 (5.0) Chevrolet Eng.

TORQUE SETTINGS

Connecting Rod 35 ft.lbs/48 Nm (11/32" bolts only)
Connecting Rod 45 ft.lbs/61 Nm (3/8" bolts only)
Main Bearing 75 ft.lbs/102 Nm

	Rod								
8B663A Std. 01 10 20 30 40		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A
	Rod - .002" oversize OD version of 8B663A.								
8B663AO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH
	Rod								
8B663P Std. 01 10 20 30 40 50 60		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH
	Rod - .002" oversize OD version of 8B663P.								
8B663PO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH
	Main - Alt set to 5M909P with +0.020" overflange length increase for undersizes. *See below for dimensional information.								
5M1626P 10 20 30 40 50 60	1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L
	5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L

*** DIMENSIONAL INFORMATION FOR 5M1626P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"
.050" u/s shaft	1.738"	+0.020"
.060" u/s shaft	1.738"	+0.020"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 6
Main - Alt set to 5M909P with +0.040" overflange length increase for undersizes. *See below for dimensional information.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1683P** 20 30 40
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	1.76/0.069	F780	2	2355 U/L	

*** DIMENSIONAL INFORMATION FOR 5M1683P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

Main - Alt set to 5M909P with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1744P** 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.89/1.728	F780	2	2365 U/L	

*** DIMENSIONAL INFORMATION FOR 5M1744P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.728"	+0.010"
.020" u/s shaft	1.728"	+0.010"
.030" u/s shaft	1.728"	+0.010"
.040" u/s shaft	1.728"	+0.010"
.050" u/s shaft	1.728"	+0.010"
.060" u/s shaft	1.728"	+0.010"

Main									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F810	8	2377A U/L	**5M909A** Std. 01 10 20 30 40
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L	
Main - half groove. Standard oil clearance.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M909P** Std. 01 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L	

Overflange length remains constant for standard and undersizes.

Cam - Single piece from 5C3349C set (#1 cam).									
	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**1C3349C** Std.
Cam - +0.010" O.D. all housing bores 2.0290"/2.0310" (High Performance). Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536	**5C004AS** Std.
Cam - +0.020" O.D. all housing bores 2.0390"/2.0410" (High Performance). Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537	**5C004BS** Std.
Cam - standard housing bores.									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1	**5C290S** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.760/0.0694		18.92/0.745	F23	2	CH-4-2	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3	
Cam - standard housing bores (High Performance).									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**5C3349C** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346	

CADILLAC

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
307 (5.0) Oldsmobile Eng.			**9 V8**	**3.80 x 3.39**		**Connecting Rod 42 ft.lbs/57 Nm**			
307 (5.0) Oldsmobile Eng.			**Y V8**	**3.80 x 3.39**		**Main Bearing 120 ft.lbs/163 Nm** (rear bearing cap) **Main Bearing 80 ft.lbs/108 Nm** (except rear bearing cap)			
	Rod								
8B684P Std. 10 20 30 40		53.945/2.1238 53.970/2.1248	57.137/2.2495 57.150/2.2500	1.572/0.0619	.023/.0009 .087/.0034	21.11/0.831	F780	16	8500 IH
	Rod - .002" oversize OD version of 8B684P.								
8B684PO/S2 10 20 30 40		53.945/2.1238 53.970/2.1248	57.188/2.2515 57.201/2.2520	1.724/0.0679 (@ .010" u/s)	.024/.0009 .088/.0035	21.11/0.831	F780	16	9041 IH
	Main								
5M805P Std. 10 20 30 40	1(L)	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	1	8502 L
	1(U),2,4	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	5	8505 IH
	3 (FI)	63.457/2.4983 63.482/2.4993	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	30.35/1.195	F780	2	8503 IH
	5	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	41.37/1.629	F780	2	8504 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 5M805P with +.010" overflange length increase for undersizes. * See below for dimensional information.								
5M8603P 10 20 30 40	1	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	1	8502 L
	1(U),2,4	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	5	8505 IH
	3 (FI)	63.457/2.4983 63.482/2.4993	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	30.61/1.205	F780	2	8603 IH
	5	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	41.37/1.629	F780	2	8504 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M8603P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.205"	+0.010"
.020" u/s shaft	1.205"	+0.010"
.030" u/s shaft	1.205"	+0.010"
.040" u/s shaft	1.205"	+0.010"

	Cam								
5C1088S Std.	1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-7-1
	2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2
	3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3
	4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4
	5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5
	Small End								
RB3049YA20 Semi		24.933/0.9816 (Finish ID Bore Size)	27.534/1.0840 (Nominal)			23.37/0.920	F100	1	3049YA20

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**8**
325 (5.3) Vortec 5300			**T**	**V8**	**3.780 x 3.622**	**Connecting Rod 15 ft.lbs/20 Nm + 60 deg.**			
346 (5.7)			**S**	**V8**	**3.898 x 3.622**	**Main Bearing** Consult service manual			
364 (6.0) Vortec 6000			**N**	**V8**	**4.000 x 3.622**				
364 (6.0) Vortec 6000			**U**	**V8**	**4.000 x 3.622**				
Rod - High Strength Aluminum Silicon material.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A	**8B663A** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 8B663A.									
	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH	**8B663AO/S2** 10 20 30 40
Rod									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH	**8B663P** Std. 01 10 20 30 40 50 60
Rod - .002" oversize OD version of 8B663P.									
	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH	**8B663PO/S2** 10 20 30 40
Main - High Strength Aluminum Silicon material.									
1,2,4,5	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.006/.0002 .046/.0018	20.45/0.805	F810	8	7298A U/L	**5M7298A** Std. 10 20 30 40
3 (FI)	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.002/.0001 .046/.0018	26.10/1.028	F810	2	7299A U/L	
Cam - 1st Series design with #1 & 5 housing bore size of 2.3260"/2.3280".									
1,5	54.991/2.1650 55.042/2.1670	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1	**5C1000S** Std.
2,4	54.991/2.1650 55.042/2.1670	58.829/2.3161 58.879/2.3181	1.880/0.0740		16.00/0.630	F23	2	CH-10-2	
3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3	
Cam - 2nd Series design with #1 & 5 housing bore size of 2.3460"/2.3480".									
1,5	54.991/2.1650 55.042/2.1670	59.588/2.3460 59.639/2.3480	2.260/0.0890		16.00/0.630	F23	2	CH-23-1	**5C1001S** Std.
2,4	54.991/2.1650 54.042/2.1276	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1	
3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3	
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**9**
350 (5.7) Oldsmobile Eng. Diesel			**N**	**V8**	**4.06 x 3.39**	**Connecting Rod 42 ft.lbs/57 Nm** **Main Bearing 120 ft.lbs/163 Nm**			
Rod									
	53.945/2.1238 53.970/2.1248	57.137/2.2495 57.150/2.2500	1.572/0.0619	.023/.0009 .087/.0034	21.11/0.831	F780	16	8500 IH	**8B684P** Std. 10 20 30 40
Rod - .002" oversize OD version of 8B684P.									
	53.945/2.1238 53.970/2.1248	57.188/2.2515 57.201/2.2520	1.724/0.0679 (@ .010" u/s)	.024/.0009 .088/.0035	21.11/0.831	F780	16	9041 IH	**8B684PO/S2** 10 20 30 40
Main									
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L	**5M804P** Std. 10 20 30 40
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U	
2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH	
3 (FI)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.38/1.196	F780	2	8508 IH	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L	

Overflange length remains constant for standard and undersizes.

CADILLAC

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
9 (Cont'd.)									
	Main - optional set to 5M804P with +0.010" overflange length increase. *See dimensional information below.								
5M8519P 20 30 40	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L
	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U
	2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH
	3 (Fl)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.63/1.206	F780	2	8519 IH
	5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M8519P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.206"	+0.010"
.030" u/s shaft	1.206"	+0.010"
.040" u/s shaft	1.206"	+0.010"

	Cam								
5C1088S Std.	1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-7-1
	2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2
	3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3
	4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4
	5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5

10 ENGINE

	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
350 (5.7) Oldsmobile Eng.	**8**	**V8**	**4.06 x 3.39**	**Connecting Rod 42 ft.lbs/57 Nm**
350 (5.7) Oldsmobile Eng.	**B**	**V8**	**4.06 x 3.39**	**Main Bearing 120 ft.lbs/163 Nm** (rear bearing cap only)
350 (5.7) Oldsmobile Eng.	**R**	**V8**	**4.06 x 3.39**	**Main Bearing 80 ft.lbs/108 Nm** (except rear bearing cap)

	Rod								
8B684P Std. 10 20 30 40		53.945/2.1238 53.970/2.1248	57.137/2.2495 57.150/2.2500	1.572/0.0619	.023/.0009 .087/.0034	21.11/0.831	F780	16	8500 IH
	Rod - .002" oversize OD version of 8B684P.								
8B684PO/S2 10 20 30 40		53.945/2.1238 53.970/2.1248	57.188/2.2515 57.201/2.2520	1.724/0.0679 (@ .010" u/s)	.024/.0009 .088/.0035	21.11/0.831	F780	16	9041 IH
	Main								
5M805P Std. 10 20 30 40	1(L)	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	1	8502 L
	1(U),2,4	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	5	8505 IH
	3 (Fl)	63.457/2.4983 63.482/2.4993	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	30.35/1.195	F780	2	8503 IH
	5	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	41.37/1.629	F780	2	8504 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 10
Main - optional set to 5M805P with +0.010" overflange length increase. * See below for dimensional information.									
1	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	1	8502 L	**5M8603P** 10 20 30 40
1(U),2,4	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	5	8505 IH	
3 (FI)	63.457/2.4983 63.482/2.4993	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	30.61/1.205	F780	2	8603 IH	
5	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	41.37/1.629	F780	2	8504 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M8603P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.205"	+0.010"
.020" u/s shaft	1.205"	+0.010"
.030" u/s shaft	1.205"	+0.010"
.040" u/s shaft	1.205"	+0.010"

Cam - 1977-80 engines only.									
1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-7-1	**5C1088S** Std.
2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2	
3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3	
4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4	
5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5	
Cam - 1976 engines only.									
1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-6-1	**5C638S** Std.
2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2	
3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3	
4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4	
5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 11
350 (5.7) Chevrolet Eng.	**7**	**V8**	**4.00 x 3.48**	**Connecting Rod 35 ft.lbs/48 Nm** (11/32" bolts only)
350 (5.7) Chevrolet Eng.	**P**	**V8**	**4.00 x 3.48**	**Connecting Rod 45 ft.lbs/61 Nm** (3/8" bolts only)
350 (5.7) Chevrolet Eng.	**R**	**V8**	**4.00 x 3.48**	**Main Bearing 75 ft.lbs/102 Nm**

Rod									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A	**8B663A** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 8B663A.									
	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH	**8B663AO/S2** 10 20 30 40
Rod									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH	**8B663P** Std. 01 10 20 30 40 50 60

CADILLAC

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
11 (Cont'd.)									
	Main - Alt set to 5M909P with +0.020" overflange length increase for undersizes. *See below for dimensional information.								
5M1626P 10 20 30 40 50 60	1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L
	5 (Fl)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M1626P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"
.050" u/s shaft	1.738"	+0.020"
.060" u/s shaft	1.738"	+0.020"

	Main - Alt set to 5M909P with +0.040" overflange length increase for undersizes. *See below for dimensional information.								
5M1683P 20 30 40	1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L
	5 (Fl)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	1.76/0.069	F780	2	2355 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M1683P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

	Main - Alt set to 5M909P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
5M1744P 10 20 30 40 50 60	1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L
	5 (Fl)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.89/1.728	F780	2	2365 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M1744P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.728"	+0.010"
.020" u/s shaft	1.728"	+0.010"
.030" u/s shaft	1.728"	+0.010"
.040" u/s shaft	1.728"	+0.010"
.050" u/s shaft	1.728"	+0.010"
.060" u/s shaft	1.728"	+0.010"

	Main								
5M909A Std. 01 10 20 30 40	1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F810	8	2377A U/L
	5 (Fl)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L
	Main - half groove. Standard oil clearance.								
5M909P Std. 01 10 20 30 40 50 60	1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L
	5 (Fl)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - Single piece from 5C3349C set (#1 cam).								
1C3349C Std.		47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349
	Cam - +0.010" O.D. all housing bores 2.0290"/2.0310" (High Performance). Customer to drill oil holes.								
5C004AS Std.	1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 11
Cam - +0.020" O.D. all housing bores 2.0390"/2.0410" (High Performance). Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537	**5C004BS** Std.
Cam - standard housing bores.									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1	**5C290S** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.760/0.0694		18.92/0.745	F23	2	CH-4-2	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3	
Cam - standard housing bores (High Performance).									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**5C3349C** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 12
368 (6.0)	**6**	**V8**	**3.80 x 4.06**	**Connecting Rod 40 ft.lbs/54 Nm**
368 (6.0)	**9**	**V8**	**3.80 x 4.06**	**Main Bearing 90 ft.lbs/122 Nm**
425 (7.0)	**S**	**V8**	**4.08 x 4.06**	
425 (7.0)	**T**	**V8**	**4.08 x 4.06**	
472 (7.7)		**V8**	**4.30 x 4.06**	
472 (7.7)	**R**	**V8**	**4.30 x 4.06**	
500 (8.2)		**V8**	**4.30 x 4.30**	
500 (8.2)	**S**	**V8**	**4.30 x 4.30**	

Rod									
	63.480/2.4992 63.505/2.5002	66.662/2.6245 66.675/2.6250	1.572/0.0619	.013/.0005 .076/.0030	20.98/0.826	F780	16	8506 IH	**8B542P** Std. 10 20 30 40 50
Main									
1	82.525/3.2490 82.550/3.2500	87.333/3.4383 87.351/3.4390	2.388/0.0940	.015/.0006 .084/.0033	30.35/1.195	F780	2	MB2535AL U/L	**5M970AL** Std. 10 20
2,4	82.525/3.2490 82.550/3.2500	87.333/3.4383 87.351/3.4390	2.388/0.0940	.015/.0006 .084/.0033	27.10/1.067	F780	4	MB2536AL U/L	
3 (FI)	82.525/3.2490 82.550/3.2500	87.333/3.4383 87.351/3.4390	2.388/0.0940	.015/.0006 .084/.0033	31.98/1.259	F780	2	MB2537AL	
5	82.525/3.2490 82.550/3.2500	87.333/3.4383 87.351/3.4390	2.388/0.0940	.015/.0006 .084/.0033	30.35/1.195	F780	2	MB2538AL	
Overflange length remains constant for standard and undersizes.									
Cam									
1-5	44.450/1.7500 44.468/1.7507	47.732/1.8792 47.757/1.8802	1.620/0.0638		15.88/0.625	F23	5	C-3-1	**5C530S** Std.

CHEVROLET

CHEVROLET ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
61 993cc (1.0)	Suzuki G10T, Turbo	2	L3	87-91	1
61 993cc (1.0)	Suzuki G10	5	L3	86-88	1
61 993cc (1.0)	Suzuki G10	6	L3	89-00	1
61 993cc (1.0)	Suzuki G10	M	L3	85-85	1
79 1295cc (1.3)	Suzuki G13BA	2	L4	98-01	2
79 1295cc (1.3)	Suzuki G13BA	9	L4	92-92	2
85 1393cc (1.4)	Chevette	I	L4	76-77	3
92 1471cc (1.5)	Isuzu 4XC1	7	L4	86-88	4
92 1471cc (1.5)	Isuzu 4XC1T, Turbo	9	L4	87-88	4
92 1471cc (1.5)	Isuzu 4XC1	K	L4	85-85	4
98 1588cc (1.6)	Toyota 4ALC	4	L4	85-88	5
98 1588cc (1.6)	Toyota 4AGE	5	L4	88-88	5
98 1588cc (1.6)	Suzuki G16KV	6	L4	98-00	6
98 (1.6)		0	L4	79-80	3
98 (1.6)		9	L4	80-81	3
98 (1.6)		C	L4	82-87	3
98 (1.6)		E	L4	76-79	3
98 (1.6)		J	L4	78-78	3
110 (1.8)	Toyota 1ZZFE	8	L4	98-02	10
110 1819cc (1.8)	Isuzu 4FB1,Diesel	D	L4	81-86	7
111 (1.8)	Isuzu G180Z, OHC	N	L4	72-82	8
112 (1.8)	OHV	G	L4	82-82	9
119 (1.9)	Isuzu G200Z, OHC	A	L4	82-85	11
122 (2.0)	OHV	1	L4	87-89	12
122 (2.0)	OHV	B	L4	83-84	12
122 (2.0)	Suzuki J20A	C	L4	99-03	14
122 (2.0)	DOHC	E	L4	75-75	13
122 (2.0)	DOHC	O	L4	76-76	13
122 (2.0)	OHV	P	L4	83-86	12
122 (2.0)	OHV	Y	L4	83-84	12
133 2180cc (2.2)	OHV (LN2)	4	L4	93-93	15
134 (2.2)	OHV	4	L4	92-03	15
134 (2.2)	OHV	5	L4	00-02	15
134 (2.2)	Ecotec	6	L4	03-04	17
134 (2.2)	OHV	G	L4	90-91	15
134 (2.2)	Isuzu C223,Diesel	S	L4	81-85	16
134 2198cc (2.2)	Ecotec (L61)	F	L4	02-05	17
138 (2.3)	DOHC (Olds - Quad 4)	D	L4	95-95	18
140 (2.3)	DOHC (Olds - Quad 4)	A	L4	90-94	18
140 (2.3)	SOHC	A	L4	71-76	13
140 (2.3)	SOHC	B	L4	71-77	13
146 (2.4)	DOHC (Olds - Quad 4)	T	L4	96-02	19
151 2474cc (2.5)	Pontiac Eng.	1	L4	78-79	20
151 2474cc (2.5)	Pontiac Eng.	2	L4	82-86	20
151 2474cc (2.5)	Pontiac Eng.	5	L4	80-83	20
151 2474cc (2.5)	Pontiac Eng.	9	L4	79-79	20
151 2474cc (2.5)	Pontiac Eng.	A	L4	91-93	20
151 2474cc (2.5)	Pontiac Eng.	E	L4	85-91	20
151 2474cc (2.5)	Pontiac Eng.	F	L4	82-83	20
151 2474cc (2.5)	Pontiac Eng.	R	L4	82-92	20
151 2474cc (2.5)	Pontiac Eng.	V	L4	78-80	20
153 (2.5)			L4	62-67	21
153 (2.5)		AA	L4	69-69	21
153 (2.5)		CA	L4	70-70	21
153 (2.5)		OH	L4	68-68	21
169 2770cc (2.8)			L4	04-04	22
169 2770cc (2.8)		8	L4	05-06	22
173 (2.8)		1	V6	82-84	23
173 (2.8)		7	V6	80-80	23
173 (2.8)		B	V6	82-85	23
173 (2.8)		R	V6	86-93	23
173 (2.8)		S	V6	85-89	23
173 (2.8)		W	V6	85-89	23
173 (2.8)		X	V6	81-86	23
173 (2.8)		Z	V6	81-84	23
189 (3.1)		D	V6	90-95	24
189 (3.1)		J	V6	00-03	24
189 (3.1)		M	V6	94-99	24
189 (3.1)		T	V6	90-94	24
194 (3.2)			L6	62-67	25
196 (3.2)	Buick Eng.	C	V6	78-79	26
200 (3.3)		M	V6	78-79	27
207 (3.4)	OHV	E	V6	96-05	28
207 (3.4)	OHV	S	V6	93-95	28
207 (3.4)	DOHC	X	V6	91-97	28
211 3460cc (3.5)			L5	04-04	29
211 3460cc (3.5)		6	L5	05-06	29
216 (3.5)			L6	37-53	30
229 (3.8)		9	V6	83-84	27
229 (3.8)		K	V6	80-82	27
230 (3.8)			L6	63-70	25
230 (3.8)		S	L6	68-69	25
231 (3.8)	Buick Eng., Supercharged	1	V6	04-05	31
231 (3.8)	Buick Eng.	2	V6	79-79	26
231 (3.8)	Buick Eng., Turbo	3	V6	80-81	26
231 (3.8)	Buick Eng.	A	V6	78-87	26
231 (3.8)	Buick Eng.	K	V6	95-05	31
231 (3.8)	Buick Eng.	L	V6	92-95	31
235 (3.9)			L6	41-62	30
250 (4.1)			L6	65-71	25
250 (4.1)		C	L6	71-72	25
250 (4.1)		D	L6	72-84	25
250 (4.1)		L	L6	71-72	25
250 (4.1)		N	L6	70-71	25
250 (4.1)		P	L6	68-69	25
250 (4.1)		Q	L6	73-75	25
250 (4.1)		S	L6	70-71	25
256 (4.2)		S	L6	02-06	32
260 (4.3)	Oldsmobile Eng,Diesel	T	V6	82-85	33
260 (4.3)	Oldsmobile Eng,Diesel	V	V6	82-83	33
261 (4.3)			L6	54-62	30
262 (4.3)	(incl. H.O. & Turbo)	B	V6	90-91	34
262 (4.3)	(incl. H.O. & Turbo)	N	V6	85-86	34
262 (4.3)	(incl. H.O. & Turbo)	W	V6	92-02	34
262 (4.3)	(incl. H.O. & Turbo)	X	V6	96-06	34
262 (4.3)	(incl. H.O. & Turbo)	Z	V6	85-96	34
262 (4.3)		G	V8	75-76	35
265 (4.3)			V8	55-57	36
265 (4.3)		W	V8	94-96	35
267 (4.4)		J	V8	79-82	35
283 (4.6)			V8	57-67	36
292 (4.8)			L6	63-67	37
292 (4.8)		S	L6	68-72	37
292 (4.8)		S	L6	74-74	37
292 (4.8)		T	L6	73-89	37
294 (4.8)		V	V8	99-06	38
302 (5.0)	Small Pin		V8	67-67	36
302 (5.0)		MO	V8	68-68	35
305 (5.0)		7	V8	82-83	35
305 (5.0)		E	V8	88-93	35
305 (5.0)		F	V8	81-92	35
305 (5.0)		G	V8	79-88	35
305 (5.0)		H	V8	79-96	35
305 (5.0)		M	V8	96-02	35
305 (5.0)		Q	V8	76-76	35
305 (5.0)		S	V8	83-83	35
305 (5.0)		U	V8	77-79	35
307 (5.0)		A	V8	70-70	35
307 (5.0)		B	V8	70-70	35
307 (5.0)		CA	V8	71-71	35
307 (5.0)		DC	V8	69-69	35
307 (5.0)		E	V8	68-69	35
307 (5.0)		F	V8	72-73	35
307 (5.0)		H	V8	71-71	35
307 (5.0)		ME	V8	68-68	35
307 (5.0)		ND	V8	70-70	35
307 (5.0)		P	V8	71-71	35
307 (5.0)		U	V8	69-69	35
307 (5.0)		X	V8	73-73	35
307 (5.0)	Oldsmobile Eng.	Y	V8	86-90	39
323 (5.3)		B	V8	05-05	38
323 (5.3)		M	V8	05-05	38
323 (5.3)		T	V8	99-05	38
323 (5.3)		Z	V8	02-05	38
325 (5.3)		B	V8	06-06	38
325 (5.3)		M	V8	06-06	38
325 (5.3)		P	V8	03-04	38
325 (5.3)		T	V8	06-06	38
325 5328cc (5.3)		C	V8	06-06	38
325 5328cc (5.3)	(L59)	Z	V8	06-06	38
327 (5.4)	Small Pin		V8	62-67	36
327 (5.4)		E	V8	68-68	35
327 (5.4)		FB	V8	69-69	35
327 (5.4)		HJ	V8	68-68	35
350 (5.7)			V8	67-71	35
350 (5.7)		4	V8	79-79	35
350 (5.7)		6	V8	80-88	35
350 (5.7)		7	V8	89-93	35

CHEVROLET ENGINE INDEX (Cont'd.)

Engine Disp.	Notation	VIN	Cyl.	Year	Line
350 (5.7)		8	V8	79-92	35
350 (5.7)		E	V8	69-84	35
350 (5.7)		G	V8	97-04	38
350 (5.7)		H	V8	72-78	35
350 (5.7)		K	V8	72-74	35
350 (5.7)	Light Truck	K	V8	87-96	35
350 (5.7)		L	V8	72-86	35
350 (5.7)	Light Truck	M	V8	80-88	35
350 (5.7)	Oldsmobile Eng.,Diesel	N	V8	80-85	40
350 (5.7)	Car	P	V8	92-97	35
350 (5.7)	Light Truck	P	V8	80-83	35
350 (5.7)	Light Truck	R	V8	96-02	35
350 (5.7)		S	V8	01-04	38
350 (5.7)		T	V8	74-75	35
350 (5.7)		V	V8	73-76	35
350 (5.7)		X	V8	76-77	35
350 (5.7)	Light Truck	Y	V8	73-75	35
350 (5.7)	Oldsmobile Eng.,Diesel	Z	V8	78-81	40
364 (6.0)		H	V8	05-06	38
364 (6.0)		N	V8	03-06	38
364 (6.0)		U	V8	99-06	38
366 (6.0)			V8	66-67	41
379 (6.2)	Diesel	C	V8	82-93	42
379 (6.2)	Diesel	J	V8	82-93	42
395 (6.5)	Turbo,Diesel	F	V8	92-02	42
395 (6.5)	Diesel	P	V8	94-95	42
395 (6.5)	Turbo,Diesel	S	V8	94-99	42
395 (6.5)	Diesel	Y	V8	94-99	42
396 (6.5)			V8	66-70	41
396 (6.5)		E	V8	68-69	41
400 (6.6)	Small block		V8	70-71	43
400 (6.6)	Small block	E	V8	70-72	43
400 (6.6)	Small block	K	V8	70-70	43
400 (6.6)	Small block	M	V8	75-75	43
400 (6.6)	Small block	R	V8	72-80	43
400 (6.6)	Small block	U	V8	74-76	43
400 (6.6)	Small block	X	V8	80-80	43
402 (6.6)			V8	70-71	41
402 (6.6)		K	V8	71-71	41
402 (6.6)		S	V8	72-72	41
402 (6.6)		U	V8	72-72	41
427 (7.0)			V8	66-69	41
454 (7.4)			V8	70-71	41
454 (7.4)		B	V8	98-99	41
454 (7.4)		E	V8	70-71	41
454 (7.4)		J	V8	96-00	41
454 (7.4)		L	V8	74-75	41
454 (7.4)		N	V8	87-97	41
454 (7.4)		S	V8	76-80	41
454 (7.4)		V	V8	72-72	41
454 (7.4)		W	V8	72-89	41
454 (7.4)		X	V8	73-73	41
454 (7.4)		Y	V8	73-77	41
454 (7.4)		Z	V8	73-75	41
496 (8.1)		G	V8	01-05	44

CHEVROLET MODEL INDEX

Model	CID	cc	Liter	Description	Years
	400		6.6	Small block	70-71
ASTRO	151	2474	2.5	Pontiac Eng.	85-90
	262		4.3	(incl. H.O. & Turbo)	85-05
AVALANCHE 1500	323		5.3		02-05
AVALANCHE 1500 - LS	325	5328	5.3		06
AVALANCHE 1500 - LT	325	5328	5.3		06
AVALANCHE 1500 - Z66	325	5328	5.3		06
AVALANCHE 1500 - Z71	325	5328	5.3		06
AVALANCHE 2500	496		8.1		02-04
AVALANCHE 2500 - LS	496		8.1		05
AVALANCHE 2500 - LT	496		8.1		05
BEL AIR	230		3.8		63-65
	235		3.9		54-62
	250		4.1		65-73
	265		4.3		55-57
	267		4.4		81
	283		4.6		57-67
	305		5.0		81
	307		5.0		68
	327		5.4		68-69
	327		5.4	Small Pin	62-67
	350		5.7		69-75
	396		6.5		66-69
	400		6.6	Small block	70-75
	402		6.6		71-72
	427		7.0		66-69
	454		7.4		70-75
BERETTA	122		2.0	OHV	87-89
	134		2.2	OHV	90-96
	173		2.8		87-89
	189		3.1		90-96
BERETTA - GT	134		2.2	OHV	92-93
	173		2.8		89
	189		3.1		90-93
BERETTA - GTZ	140		2.3	DOHC (Olds - Quad 4)	90-93
	189		3.1		91-93
BERETTA - Z26	140		2.3	DOHC (Olds - Quad 4)	94
	189		3.1		94-96
BISCAYNE	230		3.8		63-65
	235		3.9		58-62
	250		4.1		65-72
	283		4.6		58-67
BISCAYNE	307		5.0		68
	327		5.4		68-69
	327		5.4	Small Pin	62-67
	350		5.7		69-72
	396		6.5		66-69
	400		6.6	Small block	70-72
	402		6.6		71-72
	427		7.0		66-69
	454		7.4		70-72
BLAZER	250		4.1		69-82
	292		4.8		70-73
	262		4.3	(incl. H.O. & Turbo)	95-05
	305		5.0		77-87
	307		5.0		69-73
	350		5.7		69-86
	350		5.7	Light Truck	73-94
	379		6.2		82-91
	395		6.5		94
	400		6.6	Small block	75-79
	454		7.4		73-78
BLAZER - TRAILBLAZER	262		4.3	(incl. H.O. & Turbo)	99-01
BROOKWOOD	250		4.1		69
	350		5.7		69-72
	400		6.6	Small block	70-72
	402		6.6		72
C10 PICKUP	230		3.8		63-66
	235		3.9		61-62
	250		4.1		66-84
	292		4.8		63-80
	262		4.3	(incl. H.O. & Turbo)	85-86
	283		4.6		61-67
	305		5.0		76-86
	307		5.0		68-73
	327		5.4		68
	327		5.4	Small Pin	62-67
	350		5.7		69-86
	350		5.7	Light Truck	73-86
	350		5.7	Oldsmobile Eng.	78-81
	379		6.2		82-86
	396		6.5		68-69
	400		6.6	Small block	76-80
	454		7.4		73-80
C10 PICKUP - BIG TEN	250		4.1		78-80
	292		4.8		78-80
	305		5.0		78-80

CHEVROLET MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
C10 PICKUP - BIG TEN	350		5.7		78-80
	350		5.7	Light Truck	80
	350		5.7	Oldsmobile Eng.	78-79
	400		6.6	Small block	80
	454		7.4		78-80
C10 SUBURBAN	250		4.1		68-80
	292		4.8		68-74
	305		5.0		76-86
	307		5.0		68-73
	327		5.4		68
	350		5.7		69-86
	350		5.7	Light Truck	73-86
	350		5.7	Oldsmobile Eng.	78-81
	379		6.2		82-86
	396		6.5		68-69
	402		6.6		71-72
	454		7.4		73-80
C1500 PICKUP	262		4.3	(incl. H.O. & Turbo)	88-98
	305		5.0		88-99
	350		5.7	Light Truck	88-99
	379		6.2		88-93
	395		6.5		94-98
	454		7.4		90-93
C1500 SUBURBAN	350		5.7	Light Truck	92-99
	395		6.5		94-99
C20 PICKUP	230		3.8		63-65
	235		3.9		61-62
	250		4.1		66-84
	292		4.8		63-86
	262		4.3	(incl. H.O. & Turbo)	85-86
	283		4.6		61-67
	305		5.0		77-86
	307		5.0		68-73
	327		5.4		68
	327		5.4	Small Pin	62-67
	350		5.7		69-86
	350		5.7	Light Truck	73-86
	366		6.0		66
	379		6.2		82-86
	396		6.5		68-69
	400		6.6	Small block	76-80
	454		7.4		73-86
C20 SUBURBAN	250		4.1		68-74
	292		4.8		68-86
	305		5.0		76-86
	307		5.0		68-73
	327		5.4		68
	350		5.7		69-86
	350		5.7	Light Truck	73-86
	379		6.2		82-86
	396		6.5		68-69
	400		6.6	Small block	76-80
	402		6.6		71-72
	454		7.4		73-86
C2500 PICKUP	262		4.3	(incl. H.O. & Turbo)	88-95
	305		5.0		88-99
	350		5.7	Light Truck	88-00
	379		6.2		88-93
	395		6.5		92-00
	454		7.4		91-00
C2500 SUBURBAN	350		5.7	Light Truck	92-99
	395		6.5		94-99
	454		7.4		92-99
C30 PICKUP	230		3.8		64-65
	235		3.9		61-62
	250		4.1		66-80
	292		4.8		63-86
	283		4.6		61-67
	305		5.0		78-86
	307		5.0		68-73
	327		5.4		68
	327		5.4	Small Pin	62-67
	350		5.7		69-83
	350		5.7	Light Truck	73-86
	350		5.7	Oldsmobile Eng.	78
	366		6.0		66
	379		6.2		82-86
	396		6.5		68-69
	400		6.6	Small block	76-79
C30 PICKUP	454		7.4		73-86
C3500 PICKUP	350		5.7	Light Truck	88-00
	379		6.2		88-93
	395		6.5		92-00
	454		7.4		88-00
C3500 PICKUP - HD CHASSIS CAB	395		6.5		01-02
	496		8.1		01-02
CAMARO	151	2474	2.5	Pontiac Eng.	82-86
	230		3.8		67-69
	250		4.1		67-79
	173		2.8		82-89
	207		3.4	OHV	93-95
	229		3.8		80-81
	231		3.8	Buick Eng.	80-02
	267		4.4		80-81
	302		5.0		68
	302		5.0	Small Pin	67
	305		5.0		76-89
	307		5.0		69-73
	327		5.4		68-69
	327		5.4	Small Pin	67
	350		5.7		67-89
	396		6.5		67-70
	402		6.6		70-72
CAMARO - IROC-Z	305		5.0		90
	350		5.7		90
CAMARO - LT	250		4.1		77
	305		5.0		76-77
	350		5.7		76-77
CAMARO - RS	189		3.1		90-92
	231		3.8	Buick Eng.	96-97
	305		5.0		90-92
CAMARO - SS	350		5.7		98-02
CAMARO - Z28	305		5.0		91-92
	350		5.7		72-02
	350		5.7	Car	93-97
CAPRICE	250		4.1		67-78
	231		3.8	Buick Eng.	85
	262		4.3	(incl. H.O. & Turbo)	86-92
	283		4.6		66-67
	305		5.0		78-92
	307		5.0		68
	307		5.0	Oldsmobile Eng.	87
	327		5.4		68-69
	327		5.4	Small Pin	66-67
	350		5.7		69-93
	350		5.7	Car	94
	396		6.5		66-69
	400		6.6	Small block	70-72
	402		6.6		71-72
	427		7.0		66-69
	454		7.4		70-72
CAPRICE - CLASSIC	250		4.1		77-79
	229		3.8		80-84
	231		3.8	Buick Eng.	80-84
	262		4.3	(incl. H.O. & Turbo)	85-93
	265		4.3		94-96
	267		4.4		80-82
	305		5.0		77-93
	307		5.0	Oldsmobile Eng.	86-90
	350		5.7		73-93
	350		5.7	Car	94-96
	350		5.7	Oldsmobile Eng.	80-85
	400		6.6	Small block	73-76
	454		7.4		73-76
CAPRICE - CLASSIC BROUGHAM	262		4.3	(incl. H.O. & Turbo)	87-88
	305		5.0		87-90
CAPRICE - CLASSIC LS	265		4.3		94
	305		5.0		93
CAPRICE - CLASSIC LTZ	305		5.0		91-92
	350		5.7		91-93
CAPRICE - ESTATE	305		5.0		77
	350		5.7		73-77
	400		6.6	Small block	73-76
	454		7.4		73-76

CHEVROLET MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
CAPRICE - LS	350		5.7	Car	94
CAVALIER	112		1.8	OHV	82
	122		2.0	OHV	83-89
	134		2.2	Ecotec	03-04
	134		2.2	OHV	90-02
	134	2198	2.2	Ecotec	02-05
	146		2.4	DOHC (Olds - Quad 4)	99-02
	173		2.8		85-89
	189		3.1		90
CAVALIER - CL	122		2.0	OHV	83
CAVALIER - CS	122		2.0	OHV	83-87
	173		2.8		85-87
CAVALIER - LS	134		2.2	OHV	95-98
	138		2.3	DOHC (Olds - Quad 4)	95
	146		2.4	DOHC (Olds - Quad 4)	96-98
CAVALIER - RS	122		2.0	OHV	86-88
	134		2.2	OHV	91-98
	173		2.8		86-88
	189		3.1		91-94
CAVALIER - TYPE-10	122		2.0	OHV	83-85
	173		2.8		85
CAVALIER - VL	122		2.0	OHV	88
	134		2.2	OHV	90-94
CAVALIER - Z24	138		2.3	DOHC (Olds - Quad 4)	95
	146		2.4	DOHC (Olds - Quad 4)	96-98
	173		2.8		86-89
	189		3.1		90-94
CELEBRITY	151	2474	2.5	Pontiac Eng.	82-90
	173		2.8		82-89
	189		3.1		90
	260		4.3	Oldsmobile Eng	82-85
CHEVELLE	194		3.2		64-66
	230		3.8		64-67
	250		4.1		67-72
	283		4.6		64-67
	307		5.0		70-72
	327		5.4	Small Pin	64-67
	350		5.7		70-72
	396		6.5		67
	400		6.6	Small block	70
	402		6.6		70-72
	454		7.4		72
CHEVELLE - 300	230		3.8		68
	250		4.1		68
	307		5.0		68
	327		5.4		68
	396		6.5		68
CHEVELLE - 300 DELUXE	230		3.8		68
	250		4.1		68
	307		5.0		69
	350		5.7		69
	396		6.5		69
CHEVELLE - CONCOURS	230		3.8		68
	250		4.1		68-71
	307		5.0		69-72
	350		5.7		69-72
	396		6.5		69
	400		6.6	Small block	70
	402		6.6		72
CHEVELLE - CONCOURS ESTATE	307		5.0		69-72
	350		5.7		69-72
	396		6.5		69
	402		6.6		70-72
CHEVELLE - DELUXE	250		4.1		73
	307		5.0		73
	350		5.7		73
	454		7.4		73
CHEVELLE - GREENBRIER	230		3.8		69
	250		4.1		69-71
	307		5.0		69-72
CHEVELLE - GREENBRIER	350		5.7		69-72
	396		6.5		69
	400		6.6	Small block	70
	402		6.6		70-72
	454		7.4		70-72
CHEVELLE - MALIBU	230		3.8		68-69
	250		4.1		68-72
	307		5.0		68-72
	327		5.4		68
	350		5.7		69-72
	396		6.5		68-69
	400		6.6	Small block	70-71
	402		6.6		70-72
	454		7.4		70-72
CHEVELLE - NOMAD	230		3.8		68-69
	250		4.1		68-72
	307		5.0		68-72
	327		5.4		68
	350		5.7		69-72
	396		6.5		68-69
	400		6.6	Small block	70
	402		6.6		70-72
CHEVELLE - SS	396		6.5		66-68
	400		6.6	Small block	71
CHEVETTE	85	1393	1.4	Chevette	76-77
	98		1.6		76-85
	110	1819	1.8	Isuzu 4FB1	81-85
CHEVETTE - CS	98		1.6		84-87
	110	1819	1.8	Isuzu 4FB1	84-86
CHEVETTE - SCOOTER	85	1393	1.4	Chevette	76
	98		1.6		76-83
CHEVY II	153		2.5		62-67
	194		3.2		62-67
	230		3.8		64-66
	250		4.1		67
	283		4.6		62-67
	327		5.4	Small Pin	65-67
CHEVY II - NOVA	153		2.5		68-69
	230		3.8		68-69
	250		4.1		68-69
	307		5.0		68-69
	327		5.4		68
	350		5.7		68-69
	396		6.5		68-69
CITATION	151	2474	2.5	Pontiac Eng.	80-85
	173		2.8		80-85
CLASSIC	134	2198	2.2	Ecotec	04-05
COBALT	134	2198	2.2	Ecotec	05
COLORADO	169	2770	2.8		04
	211	3460	3.5		04
COLORADO - LS	169	2770	2.8		06
COLORADO - LT	169	2770	2.8		06
	211	3460	3.5		06
COLORADO - SPORT	169	2770	2.8		05
	211	3460	3.5		05
COLORADO - SPORT LS	169	2770	2.8		05
	211	3460	3.5		05
COLORADO - WT	169	2770	2.8		06
	211	3460	3.5		06
COLORADO - Z71	169	2770	2.8		05
	211	3460	3.5		05
COLORADO - Z71 LS	169	2770	2.8		05
	211	3460	3.5		05
COLORADO - Z85	169	2770	2.8		05
	211	3460	3.5		05
COLORADO - Z85 LS	169	2770	2.8		05
	211	3460	3.5		05
CORSICA	122		2.0	OHV	87-89
	134		2.2	OHV	94-96
	173		2.8		87-89
	189		3.1		94-96
CORSICA - LT	134		2.2	OHV	90-93
	189		3.1		90-93
CORSICA - LTZ	173		2.8		89
	189		3.1		90
CORVETTE	235		3.9		54-55
	265		4.3		55-56

ACL Engine Bearings

CHEVROLET MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
CORVETTE	283		4.6		57-61
	305		5.0		80
	327		5.4		68
	327		5.4	Small Pin	62-67
	350		5.7		69-04
	350		5.7	Car	92-96
	364		6.0		05-06
	427		7.0		66-69
	454		7.4		70-74
CORVETTE - Z06	350		5.7		01-04
DEL RAY	235		3.9		58
	283		4.6		58
EL CAMINO	194		3.2		64-65
	230		3.8		64-69
	250		4.1		67-77
	200		3.3		78-79
	229		3.8		80-84
	231		3.8	Buick Eng.	78-84
	262		4.3	(incl. H.O. & Turbo)	85-87
	267		4.4		79-82
	283		4.6		59-67
	305		5.0		76-87
	307		5.0		68-73
	327		5.4		68
	327		5.4	Small Pin	64-67
	350		5.7		69-79
	350		5.7	Oldsmobile Eng.	83-84
	396		6.5		66-70
	400		6.6	Small block	70-76
	402		6.6		71-72
	454		7.4		70-74
EL CAMINO - CLASSIC	250		4.1		77
	305		5.0		77
	350		5.7		77
EL CAMINO - CUSTOM	230		3.8		68-69
	250		4.1		68-73
	307		5.0		68-72
	327		5.4		68
	350		5.7		69-74
	396		6.5		69
	400		6.6	Small block	70-74
	402		6.6		71-72
	454		7.4		70-74
EXPRESS 1500	262		4.3	(incl. H.O. & Turbo)	99-06
	305		5.0		99-02
	323		5.3		03-05
	325		5.3		06
	350		5.7	Light Truck	99-02
EXPRESS 1500 - LS	262		4.3	(incl. H.O. & Turbo)	06
	325		5.3		06
EXPRESS 1500 - LT	262		4.3	(incl. H.O. & Turbo)	06
	325		5.3		06
EXPRESS 2500	262		4.3	(incl. H.O. & Turbo)	99-05
	294		4.8		03-06
	305		5.0		99-02
	323		5.3		03-05
	350		5.7	Light Truck	99-02
	364		6.0		03-06
	395		6.5		99-02
EXPRESS 3500	294		4.8		06
	350		5.7	Light Truck	99-02
	364		6.0		03-06
	395		6.5		99-02
	454		7.4		99-00
	496		8.1		01-02
EXPRESS 3500 - LS	364		6.0		06
EXPRESS 3500 - LT	364		6.0		06
G10 VAN	153		2.5		64-65
	194		3.2		64-66
	230		3.8		66-69
	250		4.1		67-84
	262		4.3	(incl. H.O. & Turbo)	85-97
	305		5.0		77-97
	307		5.0		69-73
	350		5.7		70-84
	350		5.7	Light Truck	73-97
	454		7.4		73-74
G10 VAN - EXPRESS	262		4.3	(incl. H.O. & Turbo)	96-97
	305		5.0		96-97
G10 VAN - EXPRESS	350		5.7	Light Truck	96-97
G10 VAN - SPORTVAN	230		3.8		68-69
	250		4.1		68-84
	262		4.3	(incl. H.O. & Turbo)	85-93
	305		5.0		77-93
	307		5.0		68-73
	350		5.7		70-86
	350		5.7	Light Truck	73-93
G1500 VAN	262		4.3	(incl. H.O. & Turbo)	98
	305		5.0		98
	350		5.7	Light Truck	98
G20 VAN	230		3.8		67-69
	250		4.1		68-84
	292		4.8		71-80
	262		4.3	(incl. H.O. & Turbo)	85-97
	305		5.0		77-97
	307		5.0		68-69
	350		5.7		70-86
	350		5.7	Light Truck	73-97
	379		6.2		83-93
	395		6.5		94-97
	400		6.6	Small block	75-80
	454		7.4		73-76
G20 VAN - EXPRESS	262		4.3	(incl. H.O. & Turbo)	96-97
	305		5.0		96-97
	350		5.7	Light Truck	96-97
	395		6.5		97
G20 VAN - SPORTVAN	230		3.8		68-69
	250		4.1		68-84
	292		4.8		75-78
	262		4.3	(incl. H.O. & Turbo)	85-95
	305		5.0		77-95
	307		5.0		68-69
	350		5.7		70-86
	350		5.7	Light Truck	73-95
	379		6.2		83-93
	395		6.5		94-95
	400		6.6	Small block	75-80
G2500 VAN	262		4.3	(incl. H.O. & Turbo)	98
	305		5.0		98
	350		5.7	Light Truck	98
	395		6.5		98
G30 VAN	250		4.1		71-84
	292		4.8		71-79
	262		4.3	(incl. H.O. & Turbo)	85-96
	305		5.0		78-85
	350		5.7		71-80
	350		5.7	Light Truck	73-97
	379		6.2		83-93
	395		6.5		94-97
	400		6.6	Small block	75-80
	454		7.4		73-97
G30 VAN - EXPRESS	350		5.7	Light Truck	96-97
	395		6.5		96-97
	454		7.4		96-97
G30 VAN - SPORTVAN	250		4.1		71-74
	292		4.8		75-78
	350		5.7		71-86
	350		5.7	Light Truck	73-96
	379		6.2		83-93
	395		6.5		94-96
	400		6.6	Small block	75-80
	454		7.4		88-96
G3500 VAN	350		5.7	Light Truck	98
	395		6.5		98
	454		7.4		98
IMPALA	230		3.8		63-65
	235		3.9		59-62
	250		4.1		65-79
	207		3.4	OHV	00-05
	229		3.8		80-84
	231		3.8	Buick Eng.	80-05
	262		4.3	(incl. H.O. & Turbo)	85
	267		4.4		80-82
	283		4.6		59-67
	305		5.0		77-85
	307		5.0		68
	327		5.4		68-69
	327		5.4	Small Pin	62-67

CHEVROLET MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
IMPALA	350		5.7		69-85
	350		5.7	Oldsmobile Eng.	80-85
	396		6.5		66-69
	400		6.6	Small block	70-76
	402		6.6		71-72
	427		7.0		66-69
	454		7.4		70-76
IMPALA - CUSTOM	250		4.1		77
	305		5.0		77
	350		5.7		76-77
	400		6.6	Small block	76
	454		7.4		76
IMPALA - LS	231		3.8	Buick Eng.	00-05
IMPALA - SS	231		3.8	Buick Eng.	04-05
	325	5328	5.3		06
IMPALA SS	350		5.7	Car	94-96
K10 PICKUP	230		3.8		64-69
	235		3.9		61-62
	250		4.1		66-84
	261		4.3		61-62
	292		4.8		64-80
	262		4.3	(incl. H.O. & Turbo)	85-86
	283		4.6		61-67
	305		5.0		77-86
	307		5.0		68-69
	327		5.4		68
	327		5.4	Small Pin	62-67
	350		5.7		69-86
	350		5.7	Light Truck	73-86
	379		6.2		82-86
	396		6.5		68
	400		6.6	Small block	75-80
	454		7.4		74-80
K10 SUBURBAN	250		4.1		68-80
	305		5.0		76-86
	307		5.0		68-73
	327		5.4		68
	350		5.7		69-86
	350		5.7	Light Truck	73-86
	379		6.2		82-86
	396		6.5		68
	400		6.6	Small block	75-79
	402		6.6		71
K1500 PICKUP	262		4.3	(incl. H.O. & Turbo)	88-98
	305		5.0		88-99
	350		5.7	Light Truck	88-99
	379		6.2		88-93
	395		6.5		94-98
K1500 SUBURBAN	350		5.7	Light Truck	92-99
	395		6.5		94-99
K20 PICKUP	230		3.8		64-65
	235		3.9		61-62
	250		4.1		66-80
	261		4.3		61-62
	292		4.8		64-86
	262		4.3	(incl. H.O. & Turbo)	85
	283		4.6		61-67
	305		5.0		77-85
	307		5.0		68-69
	327		5.4		68
	327		5.4	Small Pin	62-67
	350		5.7		69-86
	350		5.7	Light Truck	73-86
	366		6.0		66
	379		6.2		82-86
	396		6.5		68
	400		6.6	Small block	75-80
	454		7.4		73-80
K20 SUBURBAN	250		4.1		68-74
	292		4.8		68-86
	305		5.0		77-86
	307		5.0		68-73
	327		5.4		68
	350		5.7		69-86
	350		5.7	Light Truck	73-86
	379		6.2		82-86
	400		6.6	Small block	75-80
	454		7.4		73-85
K2500 PICKUP	262		4.3	(incl. H.O. & Turbo)	88-95
K2500 PICKUP	305		5.0		88-99
	350		5.7	Light Truck	88-00
	379		6.2		88-93
	395		6.5		92-00
	454		7.4		91-00
K2500 SUBURBAN	350		5.7	Light Truck	92-99
	395		6.5		94-99
	454		7.4		92-99
K30 PICKUP	250		4.1		68-74
	292		4.8		68-86
	307		5.0		68-73
	327		5.4		68
	350		5.7		69-85
	350		5.7	Light Truck	73-86
	379		6.2		82-86
	396		6.5		68
	400		6.6	Small block	77-80
	454		7.4		73-86
K3500 PICKUP	350		5.7	Light Truck	88-00
	379		6.2		88-93
	395		6.5		92-00
	454		7.4		88-00
KINGSWOOD	350		5.7		69-72
	400		6.6	Small block	70-72
	402		6.6		71-72
	454		7.4		70-72
KINGSWOOD - ESTATE	350		5.7		69-72
	400		6.6	Small block	70-72
	402		6.6		71-72
	454		7.4		72
LAGUNA	305		5.0		76
	350		5.7		73-76
	400		6.6	Small block	74-76
	454		7.4		73-74
LAGUNA - ESTATE	350		5.7		73
	454		7.4		73
LLV (POSTAL VEHICLE)	134		2.2	OHV	94-95
	151	2474	2.5	Pontiac Eng.	87-93
LUMINA	133	2180	2.2	OHV	93
	151	2474	2.5	Pontiac Eng.	90-92
	189		3.1		90-01
	231		3.8	Buick Eng.	99
LUMINA - EURO	189		3.1		90-94
	207		3.4	DOHC	92-94
LUMINA - LS	189		3.1		95-97
	207		3.4	DOHC	95-96
LUMINA - LTZ	189		3.1		97-98
	207		3.4	DOHC	97
	231		3.8	Buick Eng.	98
LUMINA - Z34	207		3.4	DOHC	91-94
LUMINA APV	189		3.1		90-95
	207		3.4	OHV	96
	231		3.8	Buick Eng.	92-95
LUV PICKUP	111		1.8	Isuzu G180Z, OHC	72-82
	134		2.2	Isuzu C223	81-82
MALIBU	134	2198	2.2	Ecotec	04-05
	146		2.4	DOHC (Olds - Quad 4)	97-99
	194		3.2		64-66
	230		3.8		64-67
	250		4.1		67-77
	189		3.1		97-03
	200		3.3		78-79
	229		3.8		80-83
	231		3.8	Buick Eng.	78-83
	260		4.3	Oldsmobile Eng	83
	267		4.4		79-81
	283		4.6		64-67
	305		5.0		76-83
	307		5.0		73
	327		5.4	Small Pin	64-67
	350		5.7		73-81
	350		5.7	Oldsmobile Eng.	83
	396		6.5		66-67
	400		6.6	Small block	74-76
	454		7.4		73-74
MALIBU - CLASSIC	250		4.1		74-77

CHEVROLET MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
MALIBU - CLASSIC	200		3.3		78-79
	229		3.8		80-82
	231		3.8	Buick Eng.	78-82
	260		4.3	Oldsmobile Eng	82
	267		4.4		79-82
	305		5.0		76-82
	350		5.7		74-79
	350		5.7	Oldsmobile Eng.	82
	400		6.6	Small block	74-76
	454		7.4		74-75
MALIBU - ESTATE	307		5.0		73
	350		5.7		73-76
	400		6.6	Small block	74-76
	454		7.4		73-74
MALIBU - LS	189		3.1		97-03
METRO	61	993	1.0	Suzuki G10	98-00
	79	1295	1.3	Suzuki G13BA	92-00
METRO - GSI	79	1295	1.3	Suzuki G13BA	92
METRO - LSI	79	1295	1.3	Suzuki G13BA	98-01
MONTE CARLO	189		3.1		99
	200		3.3		78-79
	229		3.8		80-84
	231		3.8	Buick Eng.	78-99
	260		4.3	Oldsmobile Eng	82-83
	262		4.3	(incl. H.O. & Turbo)	85-88
	267		4.4		79-82
	305		5.0		76-88
	350		5.7		70-81
	350		5.7	Oldsmobile Eng.	82-84
	400		6.6	Small block	70-76
	402		6.6		70-72
	454		7.4		70-75
MONTE CARLO - LS	189		3.1		95-98
	207		3.4	OHV	00-05
MONTE CARLO - LT	231		3.8	Buick Eng.	05
MONTE CARLO - SS	231		3.8	Buick Eng.	00-05
	305		5.0		84-88
	325	5328	5.3		06
MONTE CARLO - Z34	207		3.4	DOHC	95-97
	231		3.8	Buick Eng.	98
MONZA	140		2.3	SOHC	75-77
	151	2474	2.5	Pontiac Eng.	78-80
	196		3.2	Buick Eng.	78-79
	231		3.8	Buick Eng.	78-80
	262		4.3		75-76
	305		5.0		76-79
	350		5.7		75
MONZA - 2+2	140		2.3	SOHC	76-77
	151	2474	2.5	Pontiac Eng.	78-80
	196		3.2	Buick Eng.	78-79
	231		3.8	Buick Eng.	78-80
	262		4.3		76
	305		5.0		76-79
NOVA	98	1588	1.6	Toyota 4AGE	88
	98	1588	1.6	Toyota 4ALC	85-88
	153		2.5		62-70
	194		3.2		62-67
	230		3.8		64-70
	250		4.1		67-79
	262		4.3		75
	283		4.6		62-67
	305		5.0		76-79
	307		5.0		70-73
	327		5.4	Small Pin	65-67
	350		5.7		70-79
	396		6.5		70
	402		6.6		70
NOVA - CONCOURS	250		4.1		76-77
	305		5.0		76-77
	350		5.7		76-77
NOVA - CUSTOM	250		4.1		73-79
	262		4.3		75
	305		5.0		78-79
	307		5.0		73
	350		5.7		73-79
ONE-FIFTY SERIES	235		3.9		54-57
	265		4.3		55-57
	283		4.6		57
P10 SERIES	153		2.5		63-65
P10 SERIES	194		3.2		66
	230		3.8		63-67
	235		3.9		62
	292		4.8		67
	283		4.6		62
	327		5.4	Small Pin	62
P10 VAN	230		3.8		68-69
	250		4.1		68-74
	292		4.8		75-80
	305		5.0		79
	350		5.7		77-78
	350		5.7	Light Truck	73-75
	400		6.6	Small block	77
	454		7.4		73
P20 SERIES	230		3.8		63-65
	235		3.9		61
	250		4.1		66
	292		4.8		64-67
	283		4.6		61-62
	327		5.4	Small Pin	62
	366		6.0		66-67
P20 VAN	250		4.1		70-74
	292		4.8		68-89
	307		5.0		68-69
	350		5.7		70-79
	350		5.7	Light Truck	73-89
	379		6.2		82-89
	454		7.4		70-79
P30 SERIES	230		3.8		63-65
	235		3.9		61
	250		4.1		66
	292		4.8		64-67
	283		4.6		61-62
	327		5.4	Small Pin	62
	366		6.0		66-67
P30 VAN	250		4.1		70-79
	292		4.8		68-89
	262		4.3	(incl. H.O. & Turbo)	90-99
	307		5.0		68-69
	350		5.7		70-80
	350		5.7	Light Truck	73-99
	379		6.2		82-93
	395		6.5		94-99
	400		6.6	Small block	72-76
	454		7.4		70-99
PRIZM	110		1.8	Toyota 1ZZFE	98-02
R10 PICKUP	262		4.3	(incl. H.O. & Turbo)	87
	305		5.0		87
	350		5.7	Light Truck	87
	379		6.2		87
R10 SUBURBAN	305		5.0		87
	350		5.7	Light Truck	87-88
	379		6.2		87-88
R1500 SUBURBAN	350		5.7	Light Truck	89-91
	379		6.2		89-91
R20 PICKUP	292		4.8		87-88
	262		4.3	(incl. H.O. & Turbo)	87
	305		5.0		87
	350		5.7	Light Truck	87-88
	379		6.2		87-88
	454		7.4		87-88
R20 SUBURBAN	350		5.7	Light Truck	87-88
	379		6.2		87-88
	454		7.4		87-88
R2500 PICKUP	379		6.2		89
	454		7.4		89
R2500 SUBURBAN	350		5.7	Light Truck	89-91
	379		6.2		89-91
	454		7.4		89-91
R30 PICKUP	292		4.8		87-88
	350		5.7	Light Truck	87-88
	379		6.2		87-88
	454		7.4		87-88
R3500 PICKUP	350		5.7	Light Truck	89-91
	379		6.2		89-91
	454		7.4		89-91
S10 BLAZER	119		1.9	Isuzu G200Z, OHC	83-84
	122		2.0	OHV	83-84
	134		2.2	Isuzu C223	84

CHEVROLET MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
S10 BLAZER	151	2474	2.5	Pontiac Eng.	85-88
	173		2.8		83-90
	262		4.3	(incl. H.O. & Turbo)	88-94
S10 PICKUP	119		1.9	Isuzu G200Z, OHC	82-85
	122		2.0	OHV	83-84
	134		2.2	Isuzu C223	83-85
	134		2.2	OHV	94-03
	151	2474	2.5	Pontiac Eng.	85-93
	173		2.8		82-93
	262		4.3	(incl. H.O. & Turbo)	88-04
SILVERADO - SS	364		6.0		03-06
SILVERADO 1500	262		4.3	(incl. H.O. & Turbo)	99-05
	294		4.8		99-05
	323		5.3		99-05
SILVERADO 1500 - LS	262		4.3	(incl. H.O. & Turbo)	06
	294		4.8		06
	325		5.3		06
	325	5328	5.3		06
SILVERADO 1500 - LT	294		4.8		06
	325		5.3		06
	325	5328	5.3		06
	364		6.0		06
SILVERADO 1500 - WT	262		4.3	(incl. H.O. & Turbo)	06
	294		4.8		06
	325		5.3		06
	325	5328	5.3		06
SILVERADO 1500 HD	364		6.0		01-05
SILVERADO 1500 HD - LT	364		6.0		06
SILVERADO 2500	323		5.3		99-00
	364		6.0		99-04
	496		8.1		01-02
SILVERADO 2500 HD	364		6.0		01-05
	496		8.1		01-05
SILVERADO 2500 HD - LS	364		6.0		06
SILVERADO 2500 HD - LT	364		6.0		06
SILVERADO 2500 HD - WT	364		6.0		06
SILVERADO 3500	364		6.0		01-05
	496		8.1		01-05
SILVERADO 3500 - LS	364		6.0		06
SILVERADO 3500 - LT	364		6.0		06
SILVERADO 3500 - WT	364		6.0		06
SPECTRUM	92	1471	1.5	Isuzu 4XC1	85-88
	92	1471	1.5	Isuzu 4XC1T	87-88
SPRINT	61	993	1.0	Suzuki G10	85-91
	61	993	1.0	Suzuki G10T	87-91
SPRINT - ER	61	993	1.0	Suzuki G10	87-88
SPRINT - PLUS	61	993	1.0	Suzuki G10	86
SSR	325		5.3		03
	364		6.0		05-06
SUBURBAN	230		3.8		63-67
	235		3.9		61-62
	250		4.1		66-67
	292		4.8		63-67
	283		4.6		61-67
	327		5.4	Small Pin	62-67
	366		6.0		66
SUBURBAN 1500	323		5.3		00-04
	325	5328	5.3		06
SUBURBAN 1500 - LS	323		5.3		05
	325	5328	5.3		06
SUBURBAN 1500 - LT	323		5.3		05
	325	5328	5.3		06
SUBURBAN 1500 - LTZ	325	5328	5.3		06
SUBURBAN 1500 - Z71	323		5.3		05
	325	5328	5.3		06
SUBURBAN 2500	323		5.3		00
	364		6.0		00-04
	496		8.1		01-04
SUBURBAN 2500 - LS	364		6.0		05-06
	496		8.1		05
SUBURBAN 2500 - LT	364		6.0		05-06
	496		8.1		05
TAHOE	294		4.8		00-06
TAHOE	323		5.3		00-04
	325	5328	5.3		06
	350		5.7	Light Truck	95-00
	395		6.5		95-99
TAHOE - LS	294		4.8		05-06
	323		5.3		05
	325	5328	5.3		06
TAHOE - LT	323		5.3		05
	325	5328	5.3		06
TAHOE - Z71	323		5.3		05
	325	5328	5.3		06
TOWNSMAN	350		5.7		69-72
	400		6.6	Small block	70-72
	402		6.6		72
	454		7.4		70-72
TRACKER	98	1588	1.6	Suzuki G16KV	98-00
	122		2.0	Suzuki J20A	99-03
TRAILBLAZER	256		4.2		02-04
TRAILBLAZER - EXT	256		4.2		02-04
	325		5.3		03-04
TRAILBLAZER - EXT LS	256		4.2		05-06
	323		5.3		05
	325		5.3		06
TRAILBLAZER - EXT LT	256		4.2		05-06
	323		5.3		05
	325		5.3		06
TRAILBLAZER - LS	256		4.2		05-06
	325		5.3		06
TRAILBLAZER - LT	256		4.2		05-06
	325		5.3		06
TRAILBLAZER - SS	364		6.0		06
TRUCK	216		3.5		42-53
	235		3.9		52-60
	261		4.3		54-59
	265		4.3		55-57
	283		4.6		57-60
TWO-TEN SERIES	235		3.9		54-57
	265		4.3		55-57
	283		4.6		57
V10 PICKUP	262		4.3	(incl. H.O. & Turbo)	87
	305		5.0		87
	350		5.7	Light Truck	87
	379		6.2		87
V10 SUBURBAN	350		5.7	Light Truck	87-88
	379		6.2		87-88
V1500 SUBURBAN	350		5.7	Light Truck	89-91
	379		6.2		89-91
V20 PICKUP	292		4.8		87
	350		5.7	Light Truck	87
	379		6.2		87
V20 SUBURBAN	350		5.7	Light Truck	87-88
	379		6.2		87-88
	454		7.4		87-88
V2500 SUBURBAN	350		5.7	Light Truck	89-91
	379		6.2		89-91
	454		7.4		90
V30 PICKUP	292		4.8		87-88
	350		5.7	Light Truck	87-88
	379		6.2		87-88
	454		7.4		87-88
V3500 PICKUP	350		5.7	Light Truck	89-91
	379		6.2		89-91
	454		7.4		89-91
VEGA	122		2.0	DOHC	75
	140		2.3	SOHC	71-77
VEGA - COSWORTH	122		2.0	DOHC	76
VEGA - PANEL	140		2.3	SOHC	74-75
VENTURE	207		3.4	OHV	97-04
VENTURE - LS	207		3.4	OHV	05
VENTURE - LT	207		3.4	OHV	05
VENTURE - PLUS	207		3.4	OHV	05

CHEVROLET

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
61 993cc (1.0) Suzuki G10T Turbo			**2**	**L3**	**74mm x 77mm**		**Connecting Rod 24-27 ft.lbs/32-36 Nm**		
61 993cc (1.0) Suzuki G10			**5**	**L3**	**74mm x 77mm**		**Main Bearing 36-41 ft.lbs/49-55 Nm**		
61 993cc (1.0) Suzuki G10			**6**	**L3**	**74mm x 77mm**				
61 993cc (1.0) Suzuki G10			**M**	**L3**	**74mm x 77mm**				
	Rod								
3B8336 Std. .25 .50 .75 1.0		41.983/1.6529 41.999/1.6535	44.998/1.7716 45.018/1.7724	1.490/0.0587	.020/.0008 .068/.0027	18.00/0.709	F780	6	8336 IH
	Main								
4M8337 Std. .25 .50 .75 1.0	1-4	44.983/1.7710 44.998/1.7716	48.998/1.9291 49.018/1.9298	2.000/0.0787	.020/.0008 .068/.0027	18.00/0.709	F780	8	8337 U/L
	Thrust								
1T8337 Std.		52.250/2.0571 (Nominal I.D.)	67.900/2.6732 (Nominal O.D.)			2.52/0.099	F250	2	8337T IH
Note: Thrust set includes two pieces, use on No.3 position. Required with 4M8337 main set.									
2 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
79 1295cc (1.3) Suzuki G13BA			**2**	**L4**	**74mm x 75.5mm**		**Connecting Rod 24-27ft.lbs/33-37 Nm**		
79 1295cc (1.3) Suzuki G13BA			**9**	**L4**	**74mm x 75.5mm**		**Main Bearing 37-41 ft.lbs/50-56 Nm**		
	Rod								
4B8336 Std. .25 .50 .75 1.0		41.984/1.6529 41.999/1.6535	44.998/1.7716 45.018/1.7724	1.490/0.0587	.020/.0008 .068/.0027	18.00/0.709	F780	8	8336 IH
	Main								
5M8337 Std. .25 .50 .75 1.0	1-5	44.983/1.7710 44.998/1.7716	48.998/1.9291 49.018/1.9298	2.000/0.0787	.020/.0008 .068/.0027	18.00/0.709	F780	10	8337 U/L
	Thrust								
1T8337 Std.		52.250/2.0571 (Nominal I.D.)	67.900/2.6732 (Nominal O.D.)			2.52/0.099	F250	2	8337T IH
Note: Thrust set includes two pieces, use on No.3 position. Required with 5M8337 main set.									
3 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
85 1393cc (1.4) Chevette			**I**	**L4**	**3.23 x 2.60**		**Connecting Rod 37 ft.lbs/50 Nm** (1976-77 engines only)		
98 (1.6)			**0**	**L4**	**3.23 x 2.99**				
98 (1.6)			**9**	**L4**	**3.23 x 2.99**		**Connecting Rod 40 ft.lbs/54 Nm** (1978-87 engines only)		
98 (1.6)			**C**	**L4**	**3.23 x 2.99**				
98 (1.6)			**E**	**L4**	**3.23 x 2.99**		**Main Bearing 46 ft.lbs/63 Nm** (1976-77 engines only)		
98 (1.6)			**J**	**L4**	**3.23 x 2.99**		**Main Bearing 50 ft.lbs/68 Nm** (1978-87 engines only)		
	Rod								
4B1216P Std. 10 20 30		45.959/1.8094 45.984/1.8104	49.000/1.9291 49.012/1.9296	1.500/0.0591	.036/.0014 .089/.0035	19.05/0.750	F780	8	1216 IH
	Main								
5M1424P Std. 10 20 30	1,2,3,4	50.998/2.0078 51.024/2.0088	54.986/2.1648 55.011/2.1658	1.970/0.0777	.023/.0009 .089/.0035	17.98/0.708	F780	8	MB2737AL IH
	5 (FI)	50.988/2.0074 51.013/2.0084	54.986/2.1648 55.011/2.1658	1.980/0.0778	.041/.0016 .107/.0042	23.90/0.941	F780	2	MB2738AL IH
Overflange length remains constant for standard and undersizes.									
4 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
92 1471cc (1.5) Isuzu 4XC1			**7**	**L4**	**77mm x 79mm**		**Connecting Rod 24-27 ft.lbs/32-36 Nm**		
92 1471cc (1.5) Isuzu 4XC1T Turbo			**9**	**L4**	**77mm x 79mm**		**Main Bearing 61-69 ft.lbs/83-93 Nm**		
92 1471cc (1.5) Isuzu 4XC1			**K**	**L4**	**77mm x 79mm**				
	Rod								
4B1870 Std. .25 .50 .75		39.929/1.5720 39.945/1.5726	42.980/1.6921 43.000/1.6929	1.506/0.0593		17.00/0.669	F780	8	1870 IH
	Main								
5M1869 Std. .25 .50 .75	1-5	47.918/1.8865 47.938/1.8873	51.976/2.0463 52.000/2.0472	2.010/0.0791	.018/.0007 .089/.0035	17.00/0.669	F780	10	1869 U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 4
Thrust									
3	54.700/2.1535 54.900/2.1614	69.700/2.7441 69.900/2.7520			2.20/0.087	F250	2	1869T IH	**1T1869** Std.
Note: Thrust set includes two pieces. Use on No. 3 position. Required with 5M1869 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				5
98 1588cc (1.6) Toyota 4ALC		**4**	**L4**	**81mm x 77mm**	**Connecting Rod 36 ft. lbs/49 Nm**				
98 1588cc (1.6) Toyota 4AGE		**5**	**L4**	**81mm x 77mm**	**Main Bearing 44 ft.lbs/59 Nm**				
Rod - for SOHC Type 4 engines only.									
	39.985/1.5742 40.000/1.5748	43.000/1.6929 43.024/1.6939	1.498/0.0590	.005/.0002 .069/.0027	17.09/0.673	F810	8	1710A IH	**4B1710** Std. .25 .50 .75 1.0
Rod - for DOHC Type 5 engines only.									
	41.986/1.6530 42.000/1.6535	45.001/1.7717 45.024/1.7726	1.490/0.0587	.020/.0008 .084/.0033	17.09/0.673	F780	8	1780 IH	**4B1780** Std. .25 .50 .75 1.0
Main									
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .084/.0033	19.90/0.783	F810	5	1695A L	**5M1695** Std. .25 .50 .75 1.0
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .084/.0033	19.90/0.783	F810	5	1704A U	
Thrust									
3	53.500/2.1063 53.750/2.1161	65.750/2.5886 66.000/2.5984			2.49/0.098	F861	4	1695T U/L	**2T1695** Std.
Note: Thrust set includes four pieces, use on No. 3 position. Required with 5M1695 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				6
98 1588cc (1.6) Suzuki G16KV		**6**	**L4**	**75mm x 90mm**	**Connecting Rod 24-27 ft.lbs/33-37 Nm** **Main Bearing 37-41 ft.lbs/50-56 Nm**				
Rod									
	43.983/1.7316 44.000/1.7323	47.000/1.8504 47.020/1.8512	1.495/0.0589	.010/.0004 .076/.0030	18.10/0.713	F780	8	8340 IH	**4B8340** Std. .25 .50 .75 1.0
Main									
1-5	51.982/2.0465 52.000/2.0472	56.000/2.2047 56.018/2.2054	2.005/0.0789	.010/.0004 .072/.0028	18.10/0.713	F780	10	8339 U/L	**5M8339** Std. .25 .50 .75 1.0
Thrust									
3	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.52/0.099	F817	2	8339T IH	**1T8339** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M8339 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				7
110 1819cc (1.8) Isuzu 4FB1 Diesel		**D**	**L4**	**84mm x 82mm**	**Connecting Rod 58-65 ft.lbs/79-88 Nm** **Main Bearing 116-130 ft.lbs/158-177 Nm**				
Rod									
	48.924/1.9261 48.936/1.9266	51.972/2.0461 51.985/2.0466	1.509/0.0594	.015/.0006 .066/.0026	22.00/0.866	F780	8	1881 IH	**4B1881** Std. .25 .50 .75 1.0
Main									
1,2,4,5	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.013/0.0793	.023/.0009 .081/.0032	21.75/0.856	F810	8	1882A U/L	**5M1883** Std. .25 .50 .75 1.0
3	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.013/0.0793	.023/.0009 .081/.0032	21.75/0.856	F810	1	1882A U	
3	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.013/0.0793	.023/.0009 .081/.0032	21.75/0.856	F810	1	1883A L	
Thrust - for 8/82-86 engines only.									
3	63.750/2.5098 64.000/2.5197	79.934/3.1470 80.188/3.1570			2.36/0.093	F817	2	1824T IH	**1T1824** Std.
Note: Thrust set includes two pieces, use on No. 3 position. Required with 5M1883 main set.									

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 (Cont'd.)									
	Thrust - for 1981-7/82 engines only.								
1T3286 Std.	3	62.610/2.4650 62.860/2.4748	79.950/3.1476 80.200/3.1575			2.36/0.093	F817	2	3286T IH
	Note: Thrust set includes two pieces, use on No. 3 position. Required with 5M1883 main set.								
	Cam								
5C8083 Std.	1-5	29.975/1.1801 (Nominal)	31.025/1.2215 (Nominal)	1.501/0.0591		16.00/0.630	F23	5	8083
	Small End - single pieces.								
RB4072 Semi		25.000/0.9843 (Nominal)	28.025/1.1033 (Nominal)	1.529/0.0602		26.75/1.053	F100	1	RB4072
8 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
111 (1.8) Isuzu G180Z, OHC		**N**	**L4**	**84mm x 82mm**	**Connecting Rod 33 ft.lbs/58 Nm** 1976-82 engines only. **Connecting Rod 43 ft.lbs/58 Nm** 1972-75 engines only. **Main Bearing 58-86 ft.lbs/79-116 Nm** **Main Bearing 72 ft.lbs/97 Nm**				
	Rod								
4B2816 Std. .25 .50 .75 1.0		48.925/1.9262 48.940/1.9268	51.985/2.0466 52.000/2.0472	1.513/0.0596	.019/.0007 .075/.0030	22.09/0.870	F780	8	2816 IH
	Main								
5M2817 Std. .25 .50 .75 1.0	1,3,5	55.920/2.2016 55.935/2.2022	58.980/2.3220 59.000/2.3228	1.513/0.0596	.019/.0007 .080/.0031	32.13/1.265	F780	6	2817 IH
	2,4	55.920/2.2016 55.935/2.2022	58.980/2.3220 59.000/2.3228	1.513/0.0596	.019/.0007 .080/.0031	21.08/0.830	F780	4	2818 IH
	Thrust								
1T3286 Std.	3	62.610/2.4650 62.860/2.4748	79.950/3.1476 80.200/3.1575			2.36/0.093	F817	2	3286T IH
	Note: Thrust set includes two pieces, use on No. 3 position. Required with 5M2817 main set.								
	Cam								
3C6127 Std.	1,2,3	44.975/1.7707 (Nominal)	48.010/1.8902 48.030/1.8909	1.500/0.0591	.035/.0014 .095/.0037	25.42/1.001	F23	3	6127
	AR Auxiliary - suits 1972-75 engines only.								
3C1190S Std.	1,2,3		47.993/1.8895	1.488/0.0586		25.00/0.984	F23	3	AGB-14-1
9 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
112 (1.8) OHV		**G**	**L4**	**3.50 x 2.91**	**Connecting Rod 34-43 ft.lbs/47-58 Nm** **Main Bearing 63-77 ft.lbs/85-105 Nm**				
	Rod								
4B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH
	Main								
5M1524P Std. .25 .50 .75	1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH
	4 (Fl)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7162 IH
	5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L
	Cam								
5C1195S Std.	1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1
	2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4
	3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**10**
110 (1.8) Toyota 1ZZFE			**8**	**L4**	**79mm x 91.5mm**	**Connecting Rod 15 ft.lbs + 90 deg** **Main Bearing +45 deg, +45 deg** Step 3 (12 point bolt) **Main Bearing 14 ft.lbs** 6 point bolt **Main Bearing 16 ft.lbs** Step 1 (12 point bolt) **Main Bearing 32 ft.lbs** Step 2 (12 point bolt)			
Rod - High Strength Aluminum Silicon material.									
	43.993/1.7320 44.000/1.7323	47.000/1.8504 47.023/1.8513	1.496/0.0589	.020/.0008 .043/.0017	15.70/0.618	F810	8	1851	**4B1851** Std. .25 .50 .75
Main - High Strength Aluminum Silicon material.									
1-5	47.986/1.8892 48.001/1.8898	52.000/2.0472 52.017/2.0479	2.007/0.0790	.015/.0006 .033/.0013	17.00/0.669	F810	10	1853 U/L	**5M1853** Std. .25 .50 .75
Thrust									
	53.600/2.1102 53.850/2.1201 (I.D.)	69.550/2.7382 69.800/2.7480 (O.D.)			2.48/0.098	F817	2	1853T IH	**1T1853** Std.
Set includes two pieces. Required with 5M1853 main set.									
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**11**
119 (1.9) Isuzu G200Z, OHC			**A**	**L4**	**87mm x 82mm**	**Connecting Rod 43 ft.lbs/58 Nm** **Main Bearing 72 ft.lbs/97 Nm**			
Rod									
	48.925/1.9262 48.940/1.9268	51.987/2.0467 52.000/2.0472	1.513/0.0596	.021/.0008 .076/.0030	22.00/0.866	F810	8	2821A IH	**4B2821** Std. .25 .50 .75 1.0 1.25 1.50
Main									
1,3,5	55.920/2.2016 55.935/2.2022	58.980/2.3220 59.000/2.3228	1.513/0.0596	.019/.0007 .080/.0031	32.13/1.265	F780	6	2817 IH	**5M2817** Std. .25 .50 .75 1.0
2,4	55.920/2.2016 55.935/2.2022	58.980/2.3220 59.000/2.3228	1.513/0.0596	.019/.0007 .080/.0031	21.08/0.830	F780	4	2818 IH	
Thrust									
3	62.610/2.4650 62.860/2.4748	79.950/3.1476 80.200/3.1575			2.36/0.093	F817	2	3286T IH	**1T3286** Std.
Note: Thrust set includes two pieces, use on No. 3 position. Required with 5M2817 main set.									
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**12**
122 (2.0) OHV			**1**	**L4**	**3.50 x 3.15**	**Connecting Rod 34-43 ft.lbs/47-58 Nm** **Main Bearing 63-77 ft.lbs/85-105 Nm**			
122 (2.0) OHV			**B**	**L4**	**3.50 x 3.15**				
122 (2.0) OHV			**P**	**L4**	**3.50 x 3.15**				
122 (2.0) OHV			**Y**	**L4**	**3.50 x 3.15**				
Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH	**4B745P** Std. 01 10 20 30 40
Main - 122 (2.0L) VIN B,P,Y engines only.									
1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH	**5M1567P** Std. .25 .50 .75 1.0
4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH	
5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L	
Overflange length remains constant for standard and undersizes.									
Main - 122 (2.0L) VIN 1 engines only.									
1,2,3,5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	8	7123 IH	**5M7124P** Std. .25 .50 .75 1.0
4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH	
Overflange length remains constant for standard and undersizes.									

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
12 (Cont'd.)									
	Main - Alternate set to 5M1567P with +0.100 mm overflange length increase. * See below for dimensional information.								
5M7167P .25 .50 .75 1.0	1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.020/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH
	4 (Fl)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.020/.0008 .093/.0037	24.03/0.946	F780	2	7167 IH
	5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.020/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 5M7167P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	24.03 mm	+0.100 mm
0.50 mm u/s shaft	24.03 mm	+0.100 mm
0.75 mm u/s shaft	24.03 mm	+0.100 mm
1.00 mm u/s shaft	24.03 mm	+0.100 mm

	Cam								
5C1195S Std.	1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1
	2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4
	3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2

13 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
122 (2.0) DOHC	**E**	**L4**	**3.50 x 3.16**	**Connecting Rod 35 ft.lbs/48 Nm**
122 (2.0) DOHC	**O**	**L4**	**3.50 x 3.16**	**Main Bearing 65 ft.lbs/88 Nm**
140 (2.3) SOHC	**A**	**L4**	**3.50 x 3.63**	
140 (2.3) SOHC	**B**	**L4**	**3.50 x 3.63**	

	Rod								
4B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH
	Main								
5M1050P Std. 10 20	1,2,3	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.015/.0006 .091/.0036	20.50/0.807	F780	6	MB3135P U/L
	4 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.015/.0006 .091/.0036	25.63/1.009	F780	2	MB2588P U/L
	5	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.015/.0006 .091/.0036	22.88/0.901	F780	2	MB2589P U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C716S Std.	1	57.942/2.2812 57.968/2.2822	61.265/2.4120 61.290/2.4130	1.633/0.0643		17.40/0.685	F23	1	CH-13-1
	2,3,4,5	57.942/2.2812 57.968/2.2822	61.265/2.4120 61.290/2.4130	1.633/0.0643		17.40/0.685	F23	4	CH-13-2

14 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
122 (2.0) Suzuki J20A	**C**	**L4**	**84mm x 90mm**	**Main Bearing 20 ft.lbs** (10 mm bolt) **Main Bearing 44 ft.lbs** (8 mm bolt)

	Rod								
4B8306 Std. .25 .50 .75		49.982/1.9678 50.000/1.9685	53.000/2.0866 53.018/2.0873	1.490/0.0587	.020/.0008 .076/.0030	16.13/0.635	F780	8	8306 IH
	Main								
5M8307 Std. .25 .50 .75	1-5	57.982/2.2828 58.000/2.2835	62.000/2.4409 62.018/2.4416	2.003/0.0789		19.12/0.753	F780	10	8307 U/L
	Thrust								
1T8307 Std.		71.500/2.8150 (Nominal I.D.)	84.550/3.3287 (Nominal O.D.)			2.50/0.098	F817	2	8307T IH
	Note: Set includes two pieces. Required with 5M8307 main set.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**15**
133 2180cc (2.2) OHV (LN2)			**4**	**L4**	**3.50 x 3.46**	**Connecting Rod 38 ft.lbs/51 Nm**			
134 (2.2) OHV			**4**	**L4**	**3.50 x 3.46**	**Main Bearing 70 ft.lbs/95 Nm**			
134 (2.2) OHV			**5**	**L4**	**3.50 x 3.46**				
134 (2.2) OHV			**G**	**L4**	**3.50 x 3.46**				
Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH	**4B745P** Std. 01 10 20 30 40
Main - for Cars (1990-96) & Trucks (1994-97). (This set contains shells that have the same tang location for positions #1,2,3 & 5)									
1,2,3,5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	8	7123 IH	**5M7124P** Std. .25 .50 .75 1.0
4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH	
Overflange length remains constant for standard and undersizes.									
Main - for Cars (1997 on) & Trucks (1998 on). Different tang location for #3 position bearing.									
1,2,5	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.423/0.0954	.021/.0008 .097/.0038	18.72/0.737	F780	6	7123 IH	**5M7164P** Std. .25 .50 .75 1.0
3	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.423/0.0954	.021/.0008 .097/.0038	20.75/0.817	F780	2	7164 IH	
4 (FI)	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.423/0.0954	.021/.0008 .097/.0038	23.93/0.942	F780	2	7124 IH	
Overflange length remains constant for standard and undersizes.									
Main - Alt set to 5M7164P with +0.010" overflange length increase. * See dimensional information below.									
1,2,5	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.548/0.1003 (@ 0.25 mm u/s)	.021/.0008 .097/.0038	18.72/0.737	F780	6	7123 IH	**5M7183P** .25 .50 .75 1.0
3	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.548/0.1003 (@ 0.25 mm u/s)	.021/.0008 .097/.0038	20.75/0.817	F780	2	7164 IH	
4 (FI)	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.548/0.1003 (@ 0.25 mm u/s)	.021/.0008 .097/.0038	24.18/0.952	F780	2	7183 IH	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M7183P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

Cam									
1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1	**5C1195S** Std.
2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4	
3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**16**
134 (2.2) Isuzu C223 Diesel			**S**	**L4**	**88mm x 92mm**	**Connecting Rod 58-65 ft. lbs/79-88 Nm** **Main Bearing 116-130 ft.lbs/158-177 Nm**			
Rod - for 1981 - 10/83 engines only.									
	52.918/2.0834 52.930/2.0839	55.980/2.2039 56.000/2.2047	1.513/0.0596	.020/.0008 .079/.0031	22.50/0.886	F780	8	1320 IH	**4B1320** Std. .25 .50 .75 1.0
Rod - for 11/83 - 1985 engines only.									
	52.918/2.0834 52.930/2.0839	55.980/2.2039 56.000/2.2047	1.508/0.0594	.034/.0013 .092/.0036	21.50/0.846	F780	8	1830 IH	**4B1830** Std. .25 .50 .75

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
16 (Cont'd.)									
	Main - for 1981 - 10/83 engines only.								
5M1188 Std. .25 .50 .75	1,5	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.017/0.0794	.013/.0005 .074/.0029	27.65/1.089	F780	4	1188 IH
	2,4	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.017/0.0794	.013/.0005 .074/.0029	23.13/0.911	F780	4	1194 IH
	3	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.017/0.0794	.013/.0005 .074/.0029	28.85/1.136	F780	2	1189 IH
	Main - for 11/83 - 1985 engines only.								
5M1827 Std. .25 .50 .75	1,5	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.012/0.0792	.023/.0009 .084/.0033	27.65/1.089	F780	4	1827 U/L
	2,4	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.012/0.0792	.023/.0009 .084/.0033	21.13/0.832	F780	4	1829 U/L
	3	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.012/0.0792	.023/.0009 .084/.0033	28.85/1.136	F780	2	1828 U/L
	Thrust								
1T1192 Std.	3	72.260/2.8449 72.520/2.8551	86.610/3.4098 86.870/3.4201			2.49/0.098	F817	2	1192T IH
	Note: Thrust set includes two pieces, use on No. 3 position. Required with 5M1188/5M1827 main sets.								
	Cam								
3C8127 Std.	1	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8127
	2	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8128
	3	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8129

17 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
134 (2.2) Ecotec	**6**	**L4**	**86mm x 94.6mm**	**Connecting Rod 18 ft.lbs + 100 deg**
134 2198cc (2.2) Ecotec (L61)	**F**	**L4**	**86mm x 94.6mm**	**Main Bearing 15 ft.lbs + 70 deg**

	Rod - High Strength Aluminum Silicon material.								
4B2296A Std. .25 .50 .75		49.000/1.9291 49.014/1.9297	52.118/2.0519 52.134/2.0525	1.542/0.0607	.020/.0008 .066/.0026	20.30/0.799	F810	8	2296A IH
	Rod - .002" oversize OD version of 4B2296A.								
4B2296AO/S2 .25 .50 .75		49.000/1.9291 49.014/1.9297	52.169/2.0539 52.185/2.0545	1.692/0.0666 (@ 0.25mm u/size)	.020/.0008 .066/.0026	20.30/0.799	F810	8	9110A IH
	Main								
5M2232A Std. 10 20	1,3,4,5	55.991/2.2044 56.007/2.2050	64.066/2.5223 64.081/2.5229	4.036/0.1589	.033/.0013 .078/.0031	19.79/0.779	F810	8	MB3824AL U/L
	2 (Fl)	55.991/2.2044 56.007/2.2050	64.066/2.5223 64.081/2.5229	4.041/0.1591	.020/.0008 .063/.0025	25.88/1.019	F810	2	MB3825AL U/L
	Balance Shaft - for engines 2002 on.								
1BS2002S Std.	Rear	36.720/1.4457 36.741/1.4465	40.762/1.6048 40.775/1.6053	2.004/0.0789	.027/.0011 .068/.0027	26.00/1.024	F820	1	SH2002

18 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
138 (2.3) DOHC (Olds - Quad 4)	**D**	**L4**	**3.62 x 3.35**	**Connecting Rod 18 ft.lbs/25 Nm + 90 deg turn**
140 (2.3) DOHC (Olds - Quad 4)	**A**	**L4**	**3.62 x 3.35**	**Main Bearing 15 ft.lbs/20 Nm + 90 deg turn**

	Rod								
4B1388P Std. .25 .50 .75 1.0		47.973/1.8887 47.998/1.8897	51.166/2.0144 51.191/2.0154	1.580/0.0623	.013/.0005 .051/.0020	22.76/0.896	F780	8	8516 IH
	Main								
5M8511P Std. .25 .50 .75	1,2,4,5	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.377/0.0936	.013/.0005 .051/.0020	21.26/0.837	F780	8	8511 U/L
	3 (Fl)	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.377/0.0936	.013/.0005 .051/.0020	27.76/1.093	F780	2	8513 U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 18
Main - Alt. set to 5M8511P with +0.004" overflange length increase. *See dimensional information below.									
1,2,4,5	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.377/0.0936	.013/.0005 .051/.0020	21.26/0.837	F780	8	8511 U/L	**5M8514P** .25 .50 .75
3 (FI)	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.502/0.0985 (@ 0.25 u/s)	.013/.0005 .077/.0030	27.86/1.097	F780	2	8514 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M8514P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.097"	+0.004"
0.50 mm u/s shaft	1.097"	+0.004"
0.75 mm u/s shaft	1.097"	+0.004"

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
146 (2.4) DOHC (Olds - Quad 4)	**T**	**L4**	**3.543 x 3.700**	**Connecting Rod 18 ft.lbs/25 Nm + 90 deg turn** **Main Bearing 15 ft.lbs/20 Nm + 90 deg turn**	**19**

Rod									
	47.973/1.8887 47.998/1.8897	51.173/2.0147 51.186/2.0152	1.581/0.0622	.013/.0005 .077/.0030	18.30/0.720	F780	8	8520 IH	**4B1647P** Std. .25 .50 .75 1.0
Main									
1,2,4,5	60.000/2.3622 60.023/2.3631	64.778/2.5503 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	20.00/0.787	F780	8	8517 U/L	**5M2056P** Std. .25 .50 .75 1.0
3 (FI)	60.000/2.3622 60.023/2.3631	67.778/2.6684 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	27.74/1.092	F780	2	8518 U/L	
Main - Alt. set to 5M2056P with +0.25 mm overflange length increase. *See dimensional information below.									
1,2,4,5	60.000/2.3622 60.023/2.3631	64.778/2.5503 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	20.00/0.787	F780	8	8517 U/L	**5M8525P** .25 .50 .75 1.0
3 (FI)	60.000/2.3622 60.023/2.3631	64.778/2.5503 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	27.99/1.102	F780	2	8525 U/L	

*** DIMENSIONAL INFORMATION FOR 5M8525P**

	Overall Width (Nominal)	Increase in Width
0.25mm u/s shaft	27.99 mm	+0.25 mm
0.50mm u/s shaft	27.99 mm	+0.25 mm
0.75mm u/s shaft	27.99 mm	+0.25 mm
1.00mm u/s shaft	27.99 mm	+0.25 mm

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
151 2474cc (2.5) Pontiac Eng.	**1**	**L4**	**4.00 x 3.00**	**Connecting Rod 30 ft.lbs/41 Nm** (except crossflow)	**20**
151 2474cc (2.5) Pontiac Eng.	**2**	**L4**	**4.00 x 3.00**	**Connecting Rod 32 ft.lbs/44 Nm** (crossflow)	
151 2474cc (2.5) Pontiac Eng.	**5**	**L4**	**4.00 x 3.00**	**Main Bearing 65 ft.lbs/88 Nm** (except crossflow)	
151 2474cc (2.5) Pontiac Eng.	**9**	**L4**	**4.00 x 3.00**	**Main Bearing 70 ft.lbs/95 Nm** (crossflow)	
151 2474cc (2.5) Pontiac Eng.	**A**	**L4**	**4.00 x 3.00**		
151 2474cc (2.5) Pontiac Eng.	**E**	**L4**	**4.00 x 3.00**		
151 2474cc (2.5) Pontiac Eng.	**F**	**L4**	**4.00 x 3.00**		
151 2474cc (2.5) Pontiac Eng.	**R**	**L4**	**4.00 x 3.00**		
151 2474cc (2.5) Pontiac Eng.	**V**	**L4**	**4.00 x 3.00**		

Rod - High Strength Aluminum Silicon material.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	8	2226A IH	**4B610A** Std. 10 20 30 40
Rod - .002" oversize OD version of 4B610A.									
	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH	**4B610AO/S2** 10 20 30 40
Rod - To be superceded by 4B610A when stock exhausted.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	8	2226 IH	**4B610P** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 4B610P. To be superceded by 4B610AO/S2 when stock exhausted.									
	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/s)	.015/.0006 .067/.0026	18.84/0.742	F780	8	9070 IH	**4B610PO/S2** 10 20 30 40

CHEVROLET

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
20 (Cont'd.)									
	Main								
5M1733P Std. 01 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Alt set to 5M1733P with +0.010" overflange length increase. * See below for dimensional information.								
5M7152P 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.88/1.019	F780	2	7152 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M7152P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.019"	+0.010"
.020" u/s shaft	1.019"	+0.010"
.030" u/s shaft	1.019"	+0.010"
.040" u/s shaft	1.019"	+0.010"

	Cam								
3C1030S Std.	1,2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0644		21.97/0.865	F23	3	CH-5-3

21 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
153 (2.5)		**L4**	**3.88 x 3.25**	**Connecting Rod 30-35 ft.lbs/41-48 Nm**
153 (2.5)	**AA**	**L4**	**3.88 x 3.25**	**Main Bearing 45-55 ft.lbs/61-75 Nm**
153 (2.5)	**CA**	**L4**	**3.88 x 3.25**	
153 (2.5)	**OH**	**L4**	**3.88 x 3.25**	

	Rod								
4B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH
	Main								
5M1733P Std. 01 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Alt set to 5M1733P with +0.010" overflange length increase. * See below for dimensional information.								
5M7152P 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.88/1.019	F780	2	7152 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M7152P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.019"	+0.010"
.020" u/s shaft	1.019"	+0.010"
.030" u/s shaft	1.019"	+0.010"
.040" u/s shaft	1.019"	+0.010"

	Cam								
3C400S Std.	3	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		21.97/0.865	F23	1	CH-5-2
	1,2	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	2	CH-5-3

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**22**
169 2770cc (2.8)			**L4**	**93mm x 102mm**	**Connecting Rod 18 ft.lbs + 110 deg**				
169 2770cc (2.8)		**8**	**L4**	**93mm x 102mm**	**Main Bearing 18 ft.lbs + 180 deg**				
Rod									
	56.691/2.2319 56.707/2.2326	60.322/2.3749 60.338/2.3755	1.802/0.0709	.011/.0004 .059/.0023	20.75/0.817	F810	8	2290A IH	**4B2290A** Std. .25 .50 .75
Rod - .002" oversize back version of 4B2290A.									
	56.691/2.2319 56.707/2.2326	60.372/2.3768 60.388/2.3775	1.952/0.0769 (@ 0.25mm u/size)	.011/.0004 .059/.0023	20.75/0.817	F810	8	9102A IH	**4B2290AO/S2** .25 .50 .75 1.0
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**23**
173 (2.8)		**1**	**V6**	**3.50 x 2.99**	**Connecting Rod 34-40 ft.lbs/47-54 Nm**				
173 (2.8)		**7**	**V6**	**3.50 x 2.99**	**Main Bearing 63-74 ft.lbs/85-101 Nm**				
173 (2.8)		**B**	**V6**	**3.50 x 2.99**					
173 (2.8)		**R**	**V6**	**3.50 x 2.99**					
173 (2.8)		**S**	**V6**	**3.50 x 2.99**					
173 (2.8)		**W**	**V6**	**3.50 x 2.99**					
173 (2.8)		**X**	**V6**	**3.50 x 2.99**					
173 (2.8)		**Z**	**V6**	**3.50 x 2.99**					
Rod - High Strength Aluminum Silicon material.									
	50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A	**6B1238A** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 6B1238A.									
	50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH	**6B1238AO/S2** 10 20 30 40
Main - optional set to 4M1494P with +0.010" overflange increase. *See below for dimensional information.									
1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L	**4M1493P** 10 20 30 40
2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L	
3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.18/0.952	F780	2	7129 U/L	
4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 4M1493P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	0.952"	+0.010"
.020" u/s shaft	0.952"	+0.010"
.030" u/s shaft	0.952"	+0.010"
.040" u/s shaft	0.952"	+0.010"

Main - For 1980-85 engines with 63.3 mm small journal design.									
1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L	**4M1494P** Std. 10 20 30 40
2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L	
3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	23.93/0.942	F780	2	7119 U/L	
4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L	

Overflange length remains constant for standard and undersizes.

Main - for engines 1985 on with 67.2 mm large journal design.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L	**4M2037A** Std. .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L	

Overflange length remains constant for standard and undersizes.

CHEVROLET

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
23 (Cont'd.)									
	Main - optional set to 4M2037P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
4M7122P .25 .50 .75 1.0	1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L
	2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L
	3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

	Cam								
4C1102S Std.	1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A
	2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2
	4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4
	Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.								
4C1102SW Std.	1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A
	2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A
	4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4

24 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
189 (3.1)	**D**	**V6**	**3.50 x 3.31**	**Connecting Rod 15 ft.lbs + 75 deg** (VIN M only)
189 (3.1)	**J**	**V6**	**3.50 x 3.31**	**Connecting Rod 39 ft.lbs/53 Nm**
189 (3.1)	**M**	**V6**	**3.50 x 3.31**	**Main Bearing 37 ft.lbs + 77 deg** (VIN M only)
189 (3.1)	**T**	**V6**	**3.50 x 3.31**	**Main Bearing 70 ft.lbs/95 Nm**

	Rod - High Strength Aluminum Silicon material.								
6B1238A Std. 01 10 20 30 40		50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A
	Rod - .002" oversize OD verison of 6B1238A.								
6B1238AO/S2 10 20 30 40		50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH
	Main - Exc. VIN M								
4M2037A Std. .25 .50 .75 1.0	1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L
	2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L
	3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 24
Main - optional set to 4M2037P with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L	**4M7122P** .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

Main - VIN M engines only. High Strength Aluminum Silicon material.									
1,4	67.241/2.6473 67.267/2.6483	72.149/2.8405 72.174/2.8415			24.80/0.976	F810	4	7187A U/L	**4M7189A** Std. .25 .50 .75 1.0
2,3(L)	67.241/2.6473 67.267/2.6483	72.149/2.8405 72.174/2.8415			18.75/0.738	F810	3	7188A U/L	
3 (FI)	67.241/2.6473 67.267/2.6483	72.149/2.8405 72.174/2.8415			23.93/0.942	F810	1	7189A U	
Overflange length remains constant for standard and undersizes.									
Cam									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102S** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	
Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102SW** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	

ENGINE	VIN	CYL	Bore x Stroke
194 (3.2)		**L6**	**3.56 x 3.25**
230 (3.8)		**L6**	**3.88 x 3.25**
230 (3.8)	**S**	**L6**	**3.88 x 3.25**
250 (4.1)		**L6**	**3.88 x 3.53**
250 (4.1)	**C**	**L6**	**3.88 x 3.53**
250 (4.1)	**D**	**L6**	**3.88 x 3.53**
250 (4.1)	**L**	**L6**	**3.88 x 3.53**
250 (4.1)	**N**	**L6**	**3.88 x 3.53**
250 (4.1)	**P**	**L6**	**3.88 x 3.53**
250 (4.1)	**Q**	**L6**	**3.88 x 3.53**
250 (4.1)	**S**	**L6**	**3.88 x 3.53**

TORQUE SETTINGS 25

Connecting Rod 30-35 ft.lbs/41-48 Nm (194 engines only)
Connecting Rod 35-45 ft.lbs/48-61 Nm (230,250 engines only)
Main Bearing 60-70 ft.lbs/81-95 Nm (all engines)

Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	12	2370 IH	**6B745P** Std. 01 10 20 30 40
Main									
1-6	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	12	7132 U/L	**7M617P** Std. 10 20 30 40
7 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L	
Overflange length remains constant for standard and undersizes.									

CHEVROLET

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
25 (Cont'd.)									
	Cam - engines from 1962-1970.								
4C399S Std.	1,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		21.97/0.865	F23	2	CH-5-2
	2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	2	CH-5-3
	Cam - engines from 1971-84.								
4C718S Std.	1,2,3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	4	CH-5-3

26 ENGINE

	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
196 (3.2) Buick Eng.	**C**	**V6**	**3.50 x 3.40**	**Connecting Rod 40 ft.lbs/54 Nm**
231 (3.8) Buick Eng.	**2**	**V6**	**3.80 x 3.40**	**Main Bearing 110 ft.lbs/150 Nm**
231 (3.8) Buick Eng. Turbo	**3**	**V6**	**3.80 x 3.40**	
231 (3.8) Buick Eng.	**A**	**V6**	**3.80 x 3.40**	

	Rod - .660" wide bearing.								
6B1228P Std. 01 10 20 30 40		57.117/2.2487 57.137/2.2495	60.295/2.3738 60.312/2.3745	1.572/0.0619	.014/.0006 .077/.0030	16.76/0.660	F780	12	2360 IH
	Rod - .002" oversize OD version of 6B1228P.								
6B1228PO/S2 10 20 30 40		57.117/2.2487 57.137/2.2495	60.346/2.3758 60.363/2.3765	1.724/0.0679 (@ .010" u/s)	.005/.0002 .078/.0031	16.76/0.660	F780	12	9071 IH
	Main - half groove, standard oil clearance - alternate to 4M960P with +0.020" overflange length increase. * See below for dimensional information.								
4M1688P 10 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.38/1.078	F780	2	9018 U/L

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1688P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.078"	+0.020"
.020" u/s shaft	1.078"	+0.020"
.030" u/s shaft	1.078"	+0.020"

	Main - alternate set to 4M960P with +0.040" overflange length increase. *See below for dimensional information.								
4M1690P 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.89/1.098	F780	2	9024 U/L

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 4M1690P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.098"	+0.040"
.030" u/s shaft	1.098"	+0.040"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 26
Main - alternate set to 4M960P with +0.010" overflange length increase. *See below for dimensional information.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1747P** 10 20 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.13/1.068	F780	2	9020 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 4M1747P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

Main - half groove, standard oil clearance. Set includes modified rear main bearing.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M960P** Std. 01 10 20 30 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	26.87/1.058	F780	2	9017 U/L	
Overflange length remains constant for standard and undersizes.									
Cam - grooved O/D on #1 bush - alt. set to 4C1031S.									
1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1B	**4C1031BS** Std.
2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2	
Cam - 1975-1985 engines with 1st design 14 bolt oil pan.									
1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1	**4C1031S** Std.
2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2	
Cam - 1985-87 engines with 2nd design 20 bolt oil pan.									
1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0743		19.18/0.755	F23	2	B-13-1	**4C1246S** Std.
2,3	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	2	B-9-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 27
200 (3.3)	**M**	**V6**	**3.50 x 3.48**	**Connecting Rod 45 ft.lbs/59 Nm**
229 (3.8)	**9**	**V6**	**3.74 x 3.48**	**Main Bearings 70 ft.lbs/95 Nm**
229 (3.8)	**K**	**V6**	**3.74 x 3.48**	

Rod									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	18.11/0.713	F780	12	7110 IH	**6B1227P** Std. 10 20 30 40
Main - High Strength Aluminum Silicon material.									
1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F810	6	2377A U/L	**4M1454A** Std. 01 10 20 30 40
4	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L	
Main									
1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L	**4M1454P** Std. 01 10 20 30 40
4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L	
Overflange length remains constant for standard and undersizes.									

CHEVROLET

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
27 (Cont'd.)									
	Main - alternate set to 4M1454P with +0.020" overflange length increase. *See below for dimensional information.								
4M1628P 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1628P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"

	Main - alternate set to 4M1454P with +0.040" overflange length increase. *See below for dimensional information.								
4M1684P 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.65/1.758	F780	2	2355 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M1684P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

	Cam								
4C1089S Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1
	2,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		18.92/0.745	F23	2	CH-4-2
	3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	1	CH-4-3

28 ENGINE

	VIN	CYL	Bore x Stroke
207 (3.4) OHV	**E**	**V6**	**3.62 x 3.31**
207 (3.4) OHV	**S**	**V6**	**3.62 x 3.31**
207 (3.4) DOHC	**X**	**V6**	**3.62 x 3.31**

TORQUE SETTINGS

Connecting Rod 15 ft.lbs + 75 deg (1995-on engines, exc. '95 VIN S)
Connecting Rod 39 ft.lbs/53 Nm (1991-94 engines & '95 VIN S)
Main Bearing 37 ft.lbs + 75 deg (Bolt)
Main Bearing 39 ft.lbs/53 Nm (Nut)

	Rod								
6B1238A Std. 01 10 20 30 40		50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A
	Rod - .002" oversize OD version of 6B1238A.								
6B1238AO/S2 10 20 30 40		50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH
	Main								
4M2037A Std. .25 .50 .75 1.0	1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L
	2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L
	3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - OHV engines only.								
4C1102S Std.	1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A
	2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2
	4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 28
Cam - OHV engines only. Optional set to 4C1102S with 0.725" wide #2 and #3 bushes.									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102SW** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	
AR Auxiliary - DOHC engines only (casting # 10127450). Aux shaft with wide #1 position bearing.									
1	47.440/1.8677 47.490/1.8697	51.054/2.0100	1.755/0.0691		29.77/1.172	F23	1	CHG-22-1	**4C6001S** Std.
2,3	47.440/1.8677 47.490/1.8697	50.787/1.9995	1.626/0.0640		16.00/0.630	F23	2	CH-18-2	
4	47.440/1.8677 47.490/1.8697	51.041/2.0095	1.755/0.0691		15.87/0.625	F23	1	CH-18-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
					29
211 3460cc (3.5)		**L5**	**93mm x 102mm**	**Connecting Rod 18 ft.lbs + 110 deg**	
211 3460cc (3.5)	**6**	**L5**	**93mm x 102mm**	**Main Bearing 18 ft.lbs + 180 deg**	

Rod									
	56.694/2.2320 56.707/2.2326	60.322/2.3749 60.338/2.3755	1.802/0.0709	.011/.0004 .059/.0023	20.75/0.817	F810	10	2290A IH	**5B2290A** Std. .25 .50 .75
Rod - .002" oversize back version of 5B2290A.									
	56.691/2.2319 56.707/2.2326	60.372/2.3768 60.388/2.3775	1.952/0.0769 (@ 0.25mm u/size)	.011/.0004 .059/.0023	20.75/0.817	F810	10	9102A IH	**5B2290AO/S2** .25 .50 .75 1.0

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
					30
216 (3.5)		**L6**	**3.50 x 3.75**		
235 (3.9)		**L6**	**3.56 x 3.94**		
261 (4.3)		**L6**	**3.75 x 3.94**		

Cam - for 1937-54 engines with small journals only.									
1	51.516/2.0282 51.542/2.0292	54.836/2.1589 54.633/2.1609	1.636/0.0644		28.70/1.130	F23	1	CH-2-1	**4C209S** Std.
2	49.929/1.9657 49.954/1.9667	53.251/2.0965 53.302/2.0985	1.636/0.0644		23.95/0.943	F23	1	CH-2-2	
3	48.341/1.9032 48.368/1.9042	51.664/2.0340 51.714/2.0360	1.636/0.0644		23.95/0.943	F23	1	CH-2-3	
4	46.754/1.8407 46.779/1.8417	50.076/1.9715 50.127/1.9735	1.636/0.0644		23.95/0.943	F23	1	CH-2-4	
Cam - for 1954-62 engines with large journals only.									
1	54.704/2.1537 54.730/2.1547	58.013/2.2840 58.064/2.2860	1.630/0.0642		28.70/1.130	F23	1	CH-3-1	**4C383S** Std.
2	53.116/2.0912 53.142/2.0922	56.426/2.2215 56.476/2.2235	1.630/0.0642		23.94/0.942	F23	1	CH-3-2	
3	51.530/2.0287 51.554/2.0297	54.838/2.1590 54.889/2.1610	1.630/0.0642		23.94/0.942	F23	1	CH-3-3	
4	49.941/1.9662 49.966/1.9672	53.263/2.0970 53.289/2.0980	1.630/0.0642		23.94/0.942	F23	1	CH-3-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
					31
231 (3.8) Buick Eng. Supercharged	**1**	**V6**	**3.80 x 3.40**	**Connecting Rod 20 ft.lbs + 50deg/27 Nm + 50deg**	
231 (3.8) Buick Eng.	**K**	**V6**	**3.80 x 3.40**	**Main Bearing 26 ft.lbs + 50deg / 35 Nm +50deg**	
231 (3.8) Buick Eng.	**L**	**V6**	**3.80 x 3.40**		

Rod									
	57.117/2.2487 57.137/2.2495	60.300/2.3740 60.312/2.3745	1.570/0.0618	.023/.0009 .081/.0032	18.30/0.720	F780	12	2306 IH	**6B1443P** Std. 10 20 30 40
Rod - .002" Oversize OD version of 6B1443P.									
	57.117/2.2487 57.137/2.2495	60.351/2.3760 60.363/2.3765	1.722/0.0678 (@ .010" u/s)	.024/.0009 .082/.0032	18.30/0.720	F780	12	9046 IH	**6B1443PO/S2** 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
31 (Cont'd.)									
	Main - half groove, standard oil clearance for 1992-93 Type L engines.								
4M1822P Std. 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L
	Overflange length remains constant for standard and undersizes.								
	Main - for 1994 Type L engines only.								
4M2021P Std. 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2309 L
	Overflange length remains constant for standard and undersizes.								
	Main - for 1995 on Type L & K engines.								
4M2022P Std. 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2299 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2309 L
	Overflange length remains constant for standard and undersizes.								
	Main - alt. set to 4M1822P with +0.010" overflange length increase for undersizes.* See below for dimensional information.								
4M9022P 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	27.13/1.068	F780	2	9022 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M9022P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.030" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

	Cam - for all engines 1992-95.								
4C1246S Std.	1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0743		19.18/0.755	F23	2	B-13-1
	2,3	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	2	B-9-2
	Cam - for engines 1996 on (Full round design).								
4C1812S Std.	1,4	46.858/1.8448 46.893/1.8462	50.686/1.9955 50.711/1.9965	1.882/0.0741		18.92/0.745	F23	2	B-14-1
	2,3	46.858/1.8448 46.893/1.8462	50.178/1.9755 50.228/1.9775	1.628/0.0641		16.00/0.630	F23	2	B-14-2

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 31
Cam - for engines 1996 on (OE split type design).									
1,4	46.858/1.8448 46.893/1.8462	50.686/1.9955 50.737/1.9975	1.870/0.0736	.053/.0021 .165/.0065	19.00/0.748	F250	2	5108	**4C5108** Std. 10
2,3	46.858/1.8448 46.893/1.8462	50.178/1.9755 50.229/1.9775	1.613/0.0635	.059/.0023 .171/.0067	15.75/0.620	F250	2	5109	
Cam Tower - Repair Insert for 1992-94 engines.									
2,3	45.339/1.7850 45.364/1.7860	49.836/1.9620 49.861/1.9630	2.230/0.0878	.012/.0005 .088/.0035	15.75/0.620	F250	1	19549	**1SC19549** Std. 10
Cam Tower - Repair Insert for 1992-94 engines.									
1,4	45.339/1.7850 54.364/2.1403	49.836/1.9620 49.861/1.9630	2.230/0.0878	.012/.0005 .088/.0035	19.00/0.748	F250	1	19580	**1SC19580** Std. 10
Cam Tower - Repair Insert for 1995 on engines.									
1,4	46.858/1.8448 46.893/1.8462	51.283/2.0190 51.308/2.0200	2.179/0.0858	.032/.0013 .118/.0046	19.00/0.748	F250	1	19581	**1SC19581** Std. 10
Cam Tower - Repair Insert for 1995 on engines.									
2,3	46.858/1.8448 46.893/1.8462	51.283/2.0190 51.308/2.0200	2.176/0.0857	.038/.0015 .124/.0049	15.75/0.620	F250	1	19582	**1SC19582** Std. 10
Small End - for engines 1995 on (Exc. supercharged engines).									
	21.995/0.8659 22.000/0.8661	24.562/0.9670 (Nominal)	1.500/0.0591	.007/.0003 .022/.0009	21.20/0.835	F100	1	RB4106	**RB4106** Semi
Bore allowance on the ID.									
Small End - for engines 1995 on (Exc. supercharged engines).									
	21.995/0.8659 22.000/0.8661	24.562/0.9670 (Nominal)	1.360/0.0535		21.20/0.835	F100	1	RB4106-R	**RB4106-R** Ream
Ream allowance on the ID.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
256 (4.2)	**S**	**L6**	**93mm x 102mm**	**Connecting Rod 18 ft.lbs + 110 deg** **Main Bearing 18 ft.lbs + 180 deg**	32

Rod - High Strength Aluminum Silicon material.									
	56.691/2.2319 56.707/2.2326	60.322/2.3749 60.338/2.3755	1.798/0.0708	.011/.0004 .059/.0023	20.75/0.817	F810	12	2290A IH	**6B2290A** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 6B2290A.									
	56.691/2.2319 56.707/2.2326	60.372/2.3768 60.388/2.3775	1.952/0.0769 (@ .25mm u/s)	.011/.0004 .059/.0023	20.75/0.817	F810	12	9102A IH	**6B2290AO/S2** .25 .50 .75 1.0
Main									
1,2,3,4,6, 7	69.967/2.7546 69.982/2.7552	78.069/3.0736 78.087/3.0743	4.044/0.1592	.007/.0003 .050/.0020	20.68/0.814	F820	12	MB3781P U/L	**7M2224A** Std. 10 20
5 (FI)	69.967/2.7546 69.982/2.7552	78.069/3.0736 78.087/3.0743	4.044/0.1592	.007/.0003 .050/.0020	25.35/0.998	F820	2	MB3782P U/L	
Small End									
	22.997/0.9054 23.000/0.9055	25.857/1.0180	1.372/0.0540		23.75/0.935	F100	1	223-3664	**AB3664** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
260 (4.3) Oldsmobile Eng Diesel	**T**	**V6**	**4.057 x 3.585**	**Connecting Rod 42 ft.lbs/57 Nm**	33
260 (4.3) Oldsmobile Eng Diesel	**V**	**V6**	**4.057 x 3.585**	**Main Bearing 107 ft.lbs/146 Nm** (1982 engines) **Main Bearing 89 ft.lbs/121 Nm** (1983-85 engines)	

Rod									
	57.125/2.2490 57.150/2.2500	60.305/2.3742 60.325/2.3750	1.570/0.0618	.013/.0005 .064/.0025	22.23/0.875	F780	12	CB1366P IH	**6B8510P** Std. 10 20 30

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
33 (Cont'd.)									
	Main								
4M1616P Std. 10	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.380/0.0936	.020/.0008 .097/.0038	24.89/0.980	F780	2	MB2362P U/L
	2	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.380/0.0936	.020/.0008 .097/.0038	24.87/0.979	F780	2	MB2163P IH
	3 (FI)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.380/0.0936	.020/.0008 .097/.0038	30.35/1.195	F780	2	MB2363P IH
	4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.370/0.0932	.046/.0018 .086/.0034	32.26/1.270	F780	2	MB2964P U/L
	Overflange length remains constant for standards and undersizes.								
	Cam								
4C1247S Std.	1	51.707/2.0357 51.727/2.0365	55.062/2.1678 55.113/2.1698	1.640/0.0646		17.60/0.693	F23	1	O-7-1
	2	51.199/2.0157 51.219/2.0165	54.554/2.1478 54.605/2.1498	1.640/0.0646		17.60/0.693	F23	1	O-6-2
	3	50.691/1.9957 50.711/1.9965	54.046/2.1278 54.097/2.1298	1.640/0.0646		17.60/0.693	F23	1	O-6-3
	4	50.183/1.9757 50.203/1.9765	53.538/2.1078 53.589/2.1098	1.640/0.0646		17.60/0.693	F23	1	O-6-4

34 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
262 (4.3) (incl. H.O. & Turbo)	**B**	**V6**	**4.000 x 3.484**	**Connecting Rod 45 ft.lbs/61 Nm**
262 (4.3) (incl. H.O. & Turbo)	**N**	**V6**	**4.000 x 3.484**	**Main Bearing 70 ft.lbs/95 Nm**
262 (4.3) (incl. H.O. & Turbo)	**W**	**V6**	**4.000 x 3.484**	
262 (4.3) (incl. H.O. & Turbo)	**X**	**V6**	**4.000 x 3.484**	
262 (4.3) (incl. H.O. & Turbo)	**Z**	**V6**	**4.000 x 3.484**	

	Rod - High Strength Aluminum Silicon material.								
6B1358A Std. 01 10 20 30 40		57.130/2.2492 57.145/2.2498	60.317/2.3747 60.342/2.3757	1.575/0.0620	.022/.0009 .089/.0035	18.92/0.745	F810	12	7111A
	Rod - .002" oversize OD version of 6B1358A.								
6B1358AO/S2 10 20 30 40		57.130/2.2492 57.145/2.2498	60.368/2.3767 60.393/2.3777	1.613/0.0635 (@ .010" u/s)	.022/.0009 .089/.0035	18.92/0.745	F810	12	9042A IH
	Rod								
6B1358P Std. 01 10 20 30 40 50 60		57.130/2.2492 57.145/2.2498	60.317/2.3747 60.342/2.3757	1.575/0.0620	.022/.0009 .089/.0035	18.92/0.745	F780	12	7111 IH
	Main - High Strength Aluminum Silicon material.								
4M1454A Std. 01 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F810	6	2377A U/L
	4	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L
	Main								
4M1454P Std. 01 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 4M1454P with +0.020" overflange length increase. *See dimensional information below.								
4M1628P 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1628P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 34
Main - optional set to 4M1454P with +0.040" overflange length increase. *See dimensional information below.									
1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L	**4M1684P** 20 30 40
4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.65/1.758	F780	2	2355 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 4M1684P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

Cam - for 1985-05 engines without ID number "T" on front of block.									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1	**4C1089S** Std.
2,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		18.92/0.745	F23	2	CH-4-2	
3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	1	CH-4-3	
Cam - for 1992-05 engines with ID number "T" on front of block.									
1,4	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		19.05/0.750	F23	2	CH-4-1	**4C1351S** Std.
2	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		19.05/0.750	F23	1	CH-4-3	
3	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		19.05/0.750	F23	1	CH-4-2	
Balance Shaft - 1992-05. Excludes engines with Roller Bearings.									
Rear	38.064/1.4986 38.100/1.5000	47.587/1.8735 47.612/1.8745	4.724/0.1860	.013/.0005 .050/.0020	21.21/0.835	F23	1	CHG-15A	**1BS1400S** Std.

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ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
35 ENGINE			**VIN CYL**	**Bore x Stroke**			**TORQUE SETTINGS**		
262 (4.3)			**G V8**	**3.67 x 3.10**			**Connecting Rod 35 ft.lbs/48 Nm** (11/32" bolts only)		
265 (4.3)			**W V8**	**3.75 x 3.00**			**Connecting Rod 45 ft.lbs/61 Nm** (3/8" bolts only)		
267 (4.4)			**J V8**	**3.50 x 3.48**			**Main Bearing 75 ft.lbs/102 Nm**		
302 (5.0)			**MO V8**	**4.00 x 3.00**					
305 (5.0)			**7 V8**	**3.74 x 3.48**					
305 (5.0)			**E V8**	**3.74 x 3.48**					
305 (5.0)			**F V8**	**3.74 x 3.48**					
305 (5.0)			**G V8**	**3.74 x 3.48**					
305 (5.0)			**H V8**	**3.74 x 3.48**					
305 (5.0)			**M V8**	**3.74 x 3.48**					
305 (5.0)			**Q V8**	**3.74 x 3.48**					
305 (5.0)			**S V8**	**3.74 x 3.48**					
305 (5.0)			**U V8**	**3.74 x 3.48**					
307 (5.0)			**A V8**	**3.86 x 3.25**					
307 (5.0)			**B V8**	**3.86 x 3.25**					
307 (5.0)			**CA V8**	**3.86 x 3.25**					
307 (5.0)			**DC V8**	**3.86 x 3.25**					
307 (5.0)			**E V8**	**3.86 x 3.25**					
307 (5.0)			**F V8**	**3.86 x 3.25**					
307 (5.0)			**H V8**	**3.86 x 3.25**					
307 (5.0)			**ME V8**	**3.86 x 3.25**					
307 (5.0)			**ND V8**	**3.86 x 3.25**					
307 (5.0)			**P V8**	**3.86 x 3.25**					
307 (5.0)			**U V8**	**3.86 x 3.25**					
307 (5.0)			**X V8**	**3.86 x 3.25**					
327 (5.4)			**E V8**	**4.00 x 3.25**					
327 (5.4)			**FB V8**	**4.00 x 3.25**					
327 (5.4)			**HJ V8**	**4.00 x 3.25**					
350 (5.7)			**V8**	**4.00 x 3.48**					
350 (5.7)			**4 V8**	**4.00 x 3.48**					
350 (5.7)			**6 V8**	**4.00 x 3.48**					
350 (5.7)			**7 V8**	**4.00 x 3.48**					
350 (5.7)			**8 V8**	**4.00 x 3.48**					
350 (5.7)			**E V8**	**4.00 x 3.48**					
350 (5.7)			**H V8**	**4.00 x 3.48**					
350 (5.7)			**K V8**	**4.00 x 3.48**					
350 (5.7) Light Truck			**K V8**	**4.00 x 3.48**					
350 (5.7)			**L V8**	**4.00 x 3.48**					
350 (5.7) Light Truck			**M V8**	**4.00 x 3.48**					
350 (5.7) Car			**P V8**	**4.00 x 3.48**					
350 (5.7) Light Truck			**P V8**	**4.00 x 3.48**					
350 (5.7) Light Truck			**R V8**	**4.00 x 3.48**					
350 (5.7)			**T V8**	**4.00 x 3.48**					
350 (5.7)			**V V8**	**4.00 x 3.48**					
350 (5.7)			**X V8**	**4.00 x 3.48**					
350 (5.7) Light Truck			**Y V8**	**4.00 x 3.48**					
	Rod - High Strength Aluminum Silicon material.								
8B663A Std. 01 10 20 30 40		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A
	Rod - .002" oversize OD version of 8B663A.								
8B663AO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH
	Rod - standard oil clearance.								
8B663P Std. 01 10 20 30 40 50 60		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH
	Rod - .002" oversize OD version of 8B663P.								
8B663PO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 35
Main - optional set to 5M909P with +0.020" overflange length increase. *See below for dimensional information.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1626P** 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L	
Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".									

*** DIMENSIONAL INFORMATION FOR 5M1626P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"
.050" u/s shaft	1.738"	+0.020"
.060" u/s shaft	1.738"	+0.020"

Main - optional set to 5M909P with +0.040" overflange length increase. *See below for dimensional information.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1683P** 20 30 40
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	1.76/0.069	F780	2	2355 U/L	
Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".									

*** DIMENSIONAL INFORMATION FOR 5M1683P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

Main - optional set to 5M909P with +0.010" overflange length increase. *See dimensional information below.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1744P** 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.89/1.728	F780	2	2365 U/L	
Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".									

*** DIMENSIONAL INFORMATION FOR 5M1744P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.728"	+0.010"
.020" u/s shaft	1.728"	+0.010"
.030" u/s shaft	1.728"	+0.010"
.040" u/s shaft	1.728"	+0.010"
.050" u/s shaft	1.728"	+0.010"
.060" u/s shaft	1.728"	+0.010"

Main - High Strength Aluminum Silicon material.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F810	8	2377A U/L	**5M909A** Std. 01 10 20 30 40
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L	
Main - half groove. Standard oil clearance.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M909P** Std. 01 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L	
Overflange length remains constant for standard and undersizes. Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".									
Cam - Single piece from 5C3346C set.									
1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	1	3346	**1C3346C** Std.
Cam - Single piece from 5C3349C set (#1 position cam).									
	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**1C3349C** Std.

CHEVROLET

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
35 (Cont'd.)									
	Cam - +0.010" O.D. all housing bores 2.0290"/2.0310" (High Performance). Customer to drill oil holes.								
5C004AS Std.	1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536
	Cam - +0.020" O.D. all housing bores 2.0390"/2.0410" (High Performance). Customer to drill oil holes.								
5C004BS Std.	1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537
	Cam - standard housing bores.								
5C290S Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1
	2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.760/0.0694		18.92/0.745	F23	2	CH-4-2
	3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3
	Cam - All housing bores constant at 1.9990"/2.0010" (High Performance).								
5C3346C Std.	1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	5	3346
	Cam - standard housing bores (High Performance).								
5C3349C Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349
	2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347
	3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346

36 ENGINE

ENGINE	VIN	CYL	Bore x Stroke
265 (4.3)		**V8**	**3.75 x 3.00**
283 (4.6)		**V8**	**3.88 x 3.00**
302 (5.0) Small Pin		**V8**	**4.00 x 3.00**
327 (5.4) Small Pin		**V8**	**4.00 x 3.25**

TORQUE SETTINGS

Connecting Rod 35 ft.lbs/48 Nm (11/32" bolts only)
Connecting Rod 45 ft.lbs/61 Nm (3/8" bolts only)
Main Bearing 60-70 ft.lbs/81-95 Nm (265,283,327 engines)
Main Bearing 80 ft.lbs/108 Nm (302 engines)

	Rod								
8B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .076/.0030	21.38/0.842	F780	16	2370 IH
	Main - Alt set to 5M429P with +0.010" overflange length increase. * See below for dimensional information.								
5M2372P 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (FI)	58.364/2.2978 58.390/2.2988	63.261/2.4906 63.287/2.4916	2.428/0.0956	.015/.0006 .093/.0037	43.89/1.728	F780	2	3345 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M2372P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.728"	+0.010"
.020" u/s shaft	1.728"	+0.010"
.030" u/s shaft	1.728"	+0.010"
.040" u/s shaft	1.728"	+0.010"

	Main								
5M429P Std. 01 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (FI)	58.364/2.2978 58.390/2.2988	63.261/2.4906 63.287/2.4916	2.428/0.0956	.015/.0006 .093/.0037	43.64/1.718	F780	2	7104 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - Single piece from 5C3346C set								
1C3346C Std.	1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	1	3346
	Cam - Single piece from 5C3349C set (#1 cam).								
1C3349C Std.		47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 36
Cam - +0.010" O.D. all housing bores 2.0290"/2.0310" (High Performance). Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536	**5C004AS** Std.
Cam - +0.020" O.D. all housing bores 2.0390"/2.0410" (High Performance). Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537	**5C004BS** Std.
Cam - engines from 1955-1963.									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1	**5C287S** Std.
2	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		18.92/0.745	F23	1	CH-4-2	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3	
5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		24.00/0.945	F23	1	CH-4-4	
Cam - engines from 1964-1967 - standard housing bores.									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1	**5C290S** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.760/0.0694		18.92/0.745	F23	2	CH-4-2	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3	
Cam - All housing bores constant at 1.9990"/2.0010" (High Performance)									
1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	5	3346	**5C3346C** Std.
Cam - standard housing bores (High Performance).									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**5C3349C** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 37
292 (4.8)		**L6**	**3.88 x 4.13**	**Connecting Rod 30-35 ft.lbs/41-48 Nm**
292 (4.8)	**S**	**L6**	**3.88 x 4.13**	**Main Bearing 60-70 ft.lbs/81-95 Nm**
292 (4.8)	**S**	**L6**	**3.88 x 4.13**	
292 (4.8)	**T**	**L6**	**3.88 x 4.13**	

Rod - High Strength Aluminum Silicon material.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	12	2376A IH	**6B663A** Std. 10 20 30 40
Rod									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	12	2376 IH	**6B663P** Std. 10 20 30 40
Main									
1-6	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	12	7132 U/L	**7M617P** Std. 10 20 30 40
7 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L	
Overflange length remains constant for standard and undersizes.									
Cam - engines from 1963-1970.									
1,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		21.97/0.865	F23	2	CH-5-2	**4C399S** Std.
2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	2	CH-5-3	
Cam - engines from 1971-1990.									
1,2,3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	4	CH-5-3	**4C718S** Std.

CHEVROLET

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
38 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
294 (4.8)			**V V8**	**96mm x 83mm**		**Connecting Rod 15 ft.lbs/20 Nm + 60 deg.**			
323 (5.3)			**B V8**	**96mm x 92mm**		**Main Bearing** Consult service manual			
323 (5.3)			**M V8**	**96mm x 92mm**					
323 (5.3)			**T V8**	**96mm x 92mm**					
323 (5.3)			**Z V8**	**96mm x 92mm**					
325 (5.3)			**B V8**	**96mm x 92mm**					
325 (5.3)			**M V8**	**96mm x 92mm**					
325 (5.3)			**P V8**	**96mm x 92mm**					
325 (5.3)			**T V8**	**96mm x 92mm**					
325 5328cc (5.3)			**C V8**	**96mm x 92mm**					
325 5328cc (5.3) (L59)			**Z V8**	**96mm x 92mm**					
350 (5.7)			**G V8**	**99mm x 92mm**					
350 (5.7)			**S V8**	**99mm x 92mm**					
364 (6.0)			**H V8**	**101.6mm x 92mm**					
364 (6.0)			**N V8**	**101.6mm x 92mm**					
364 (6.0)			**U V8**	**101.6mm x 92mm**					
	Rod - High Strength Aluminum Silicon material.								
8B663A Std. 01 10 20 30 40		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A
	Rod - .002" oversize OD version of 8B663A.								
8B663AO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH
	Rod								
8B663P Std. 01 10 20 30 40 50 60		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH
	Rod - .002" oversize OD version of 8B663P.								
8B663PO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH
	Main - High Strength Aluminum Silicon material.								
5M7298A Std. 10 20 30 40	1,2,4,5	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.006/.0002 .046/.0018	20.45/0.805	F810	8	7298A U/L
	3 (FI)	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.002/.0001 .046/.0018	26.10/1.028	F810	2	7299A U/L
	Cam - 1997-2003 with 1st design # 1 & 5 housing size of 2.3260"-2.3280".								
5C1000S Std.	1,5	54.991/2.1650 55.042/2.1670	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1
	2,4	54.991/2.1650 55.042/2.1670	58.829/2.3161 58.879/2.3181	1.880/0.0740		16.00/0.630	F23	2	CH-10-2
	3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3
	Cam - 2003 on with 2nd design # 1 & 5 housing size of 2.3460"-2.3480".								
5C1001S Std.	1,5	54.991/2.1650 55.042/2.1670	59.588/2.3460 59.639/2.3480	2.260/0.0890		16.00/0.630	F23	2	CH-23-1
	2,4	54.991/2.1650 54.042/2.1276	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1
	3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3
39 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
307 (5.0) Oldsmobile Eng.			**Y V8**	**4.00 x 3.00**		**Connecting Rod 42 ft.lbs/57 Nm** **Main Bearing 120 ft.lbs/163 Nm** (rear bearing cap only) **Main Bearing 80 ft.lbs/108 Nm** (except rear bearing cap)			
	Rod								
8B684P Std. 10 20 30 40		53.945/2.1238 53.970/2.1248	57.137/2.2495 57.150/2.2500	1.572/0.0619	.023/.0009 .087/.0034	21.11/0.831	F780	16	8500 IH
	Rod - .002" oversize OD version of 8B684P.								
8B684PO/S2 10 20 30 40		53.945/2.1238 53.970/2.1248	57.188/2.2515 57.201/2.2520	1.724/0.0679 (@ .010" u/s)	.024/.0009 .088/.0035	21.11/0.831	F780	16	9041 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 39
Main									
1(L)	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	1	8502 L	**5M805P** Std. 10 20 30 40
1(U),2,4	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	5	8505 IH	
3 (FI)	63.457/2.4983 63.482/2.4993	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	30.35/1.195	F780	2	8503 IH	
5	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	41.37/1.629	F780	2	8504 U/L	
Main - optional set to 5M805P with +0.010" overflange length increase. *See below for dimensional information.									
1	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	1	8502 L	**5M8603P** 10 20 30 40
1(U),2,4	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	5	8505 IH	
3 (FI)	63.457/2.4983 63.482/2.4993	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	30.61/1.205	F780	2	8603 IH	
5	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	41.37/1.629	F780	2	8504 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M8603P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.205"	+0.010"
.020" u/s shaft	1.205"	+0.010"
.030" u/s shaft	1.205"	+0.010"
.040" u/s shaft	1.205"	+0.010"

Cam									
1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-7-1	**5C1088S** Std.
2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2	
3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3	
4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4	
5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5	
Small End									
	24.933/0.9816 (Finish ID Bore Size)	27.534/1.0840 (Nominal)			23.37/0.920	F100	1	3049YA20	**RB3049YA20** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
350 (5.7) Oldsmobile Eng. Diesel	**N**	**V8**	**4.06 x 3.39**	**Connecting Rod 42 ft.lbs/57 Nm**
350 (5.7) Oldsmobile Eng. Diesel	**Z**	**V8**	**4.06 x 3.39**	**Main Bearing 120 ft.lbs/163 Nm**

Rod									
	53.945/2.1238 53.970/2.1248	57.137/2.2495 57.150/2.2500	1.572/0.0619	.023/.0009 .087/.0034	21.11/0.831	F780	16	8500 IH	**8B684P** Std. 10 20 30 40
Rod - .002" oversize OD version of 8B684P.									
	53.945/2.1238 53.970/2.1248	57.188/2.2515 57.201/2.2520	1.724/0.0679 (@ .010" u/s)	.024/.0009 .088/.0035	21.11/0.831	F780	16	9041 IH	**8B684PO/S2** 10 20 30 40

CHEVROLET

40 (Cont'd.)

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
	Main								
5M804P Std. 10 20 30 40	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L
	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U
	2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH
	3 (FI)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.38/1.196	F780	2	8508 IH
	5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 5M804P with +0.010" overflange length increase. *See below for dimensional information.								
5M8519P 20 30 40	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L
	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U
	2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH
	3 (FI)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.63/1.206	F780	2	8519 IH
	5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M8519P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.206"	+0.010"
.030" u/s shaft	1.206"	+0.010"
.040" u/s shaft	1.206"	+0.010"

	Cam								
5C1088S Std.	1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-7-1
	2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2
	3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3
	4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4
	5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE	VIN	CYL	Bore x Stroke
366 (6.0)		**V8**	**3.94 x 3.77**
396 (6.5)		**V8**	**4.09 x 3.77**
396 (6.5)	**E**	**V8**	**4.09 x 3.77**
402 (6.6)		**V8**	**4.13 x 3.77**
402 (6.6)	**K**	**V8**	**4.13 x 3.77**
402 (6.6)	**S**	**V8**	**4.13 x 3.77**
402 (6.6)	**U**	**V8**	**4.13 x 3.77**
427 (7.0)		**V8**	**4.25 x 3.77**
454 (7.4)		**V8**	**4.25 x 4.00**
454 (7.4)	**B**	**V8**	**4.25 x 4.00**
454 (7.4)	**E**	**V8**	**4.25 x 4.00**
454 (7.4)	**J**	**V8**	**4.25 x 4.00**
454 (7.4)	**L**	**V8**	**4.25 x 4.00**
454 (7.4)	**N**	**V8**	**4.25 x 4.00**
454 (7.4)	**S**	**V8**	**4.25 x 4.00**
454 (7.4)	**V**	**V8**	**4.25 x 4.00**
454 (7.4)	**W**	**V8**	**4.25 x 4.00**
454 (7.4)	**X**	**V8**	**4.25 x 4.00**
454 (7.4)	**Y**	**V8**	**4.25 x 4.00**
454 (7.4)	**Z**	**V8**	**4.25 x 4.00**

TORQUE SETTINGS 41

Connecting Rod 45-55 ft.lbs/61-75 Nm (all engines)
Main Bearing 110-120 ft.lbs/150-163 Nm (High Performance)
Main Bearing 90-100 ft.lbs/122-136 Nm (except High Performance)

Rod - High Strength Aluminum Silicon material.

	55.855/2.1990 55.880/2.2000	59.047/2.3247 59.060/2.3252	1.575/0.0620	.017/.0007 .081/.0032	22.58/0.889	F810	16	7100A IH	**8B743A** Std. 01 10 20 30 40

Rod - .002" oversize OD version of 8B743A.

	55.855/2.1990 55.880/2.2000	59.098/2.3267 59.111/2.3272	1.727/0.0680 (@ .010" u/s)	.017/.0007 .081/.0032	22.58/0.889	F810	16	9100A IH	**8B743AO/S2** 10 20 30 40

Rod

	55.855/2.1990 55.880/2.2000	59.047/2.3247 59.060/2.3252	1.575/0.0620	.017/.0007 .081/.0032	22.58/0.889	F780	16	7100 IH	**8B743P** Std. 01 10 20 30 40

Rod - .002" oversize OD version of 8B743P.

	55.855/2.1990 55.880/2.2000	59.098/2.3267 59.111/2.3272	1.727/0.0680 (@ .010" u/s)	.017/.0007 .081/.0032	22.58/0.889	F780	16	9100 IH	**8B743PO/S2** 10 20 30 40

Main - optional set to 5M829P with +0.010" overflange length increase. *See below for dimensional information.

1,2,3,4	69.804/2.7482 69.830/2.7492	74.600/2.9370 74.625/2.9380	2.380/0.0937	.010/.0004 .087/.0034	26.46/1.042	F780	8	7102 U/L	**5M1745P** 10 20 30 40
5 (FI)	69.794/2.7478 69.820/2.7488	74.600/2.9370 74.625/2.9380	2.380/0.0937	.020/.0008 .097/.0038	46.25/1.821	F780	2	7105 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M1745P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.821"	+0.010"
.020" u/s shaft	1.821"	+0.010"
.030" u/s shaft	1.821"	+0.010"
.040" u/s shaft	1.821"	+0.010"

Main - optional set to 5M829P with +0.020" overflange length increase. *See below for dimensional information.

1,2,3,4	69.804/2.7482 69.820/2.7488	74.600/2.9370 74.625/2.9380	2.380/0.0937	.010/.0004 .087/.0034	26.46/1.042	F780	8	7102 U/L	**5M7023P** 40
5 (FI)	69.794/2.7478 69.820/2.7488	74.600/2.9370 74.625/2.9380	2.380/0.0937	.020/.0008 .097/.0038	46.50/1.831	F780	2	7023 U/L	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 5M7023P**

	Overall Width (Nominal)	Increase in Width
.040" u/s shaft	1.831"	+0.020"

Main - High Strength Aluminum Silicon material.

1,2,3,4	69.804/2.7482 69.830/2.7492	74.600/2.9370 74.625/2.9380	2.380/0.0937	.010/.0004 .087/.0034	26.46/1.042	F810	8	7102A U/L	**5M829A** Std. 10 20 30 40
5 (FI)	69.794/2.7478 69.820/2.7488	74.600/2.9370 74.625/2.9380	2.380/0.0937	.020/.0008 .097/.0038	46.00/1.811	F810	2	7103A U/L	

CHEVROLET

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
41 (Cont'd.)									
	Main - half groove set - standard oil clearance.								
5M829P Std. 01 10 20 30 40	1,2,3,4	69.804/2.7482 69.830/2.7492	74.600/2.9370 74.625/2.9380	2.380/0.0937	.010/.0004 .087/.0034	26.46/1.042	F780	8	7102 U/L
	5 (Fl)	69.794/2.7478 69.820/2.7488	74.600/2.9370 74.625/2.9380	2.380/0.0937	.020/.0008 .097/.0038	46.00/1.811	F780	2	7103 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - engines from 1965-1966.								
5C615S Std.	1	49.497/1.9487 49.522/1.9497	54.343/2.1395 54.369/2.1405	2.390/0.0941		21.97/0.865	F23	1	CH-12-1
	2	49.497/1.9487 49.522/1.9497	54.089/2.1295 54.115/2.1305	2.260/0.0891		25.02/0.985	F23	1	CH-12-2
	3,4	49.497/1.9487 49.522/1.9497	53.835/2.1195 53.861/2.1205	2.140/0.0841		25.02/0.985	F23	2	CH-12-3
	5	49.497/1.9487 49.522/1.9497	54.089/2.1295 54.115/2.1305	2.270/0.0894		25.02/0.985	F23	1	CH-9-4
	Cam - engines from 1967 on.								
5C616S Std.	1	49.497/1.9487 49.522/1.9497	54.343/2.1395 54.369/2.1405	2.390/0.0941		21.97/0.865	F23	1	CH-12-1
	2,5	49.497/1.9487 49.522/1.9497	54.089/2.1295 54.115/2.1305	2.260/0.0891		25.02/0.985	F23	2	CH-12-2
	3,4	49.497/1.9487 49.522/1.9497	53.835/2.1195 53.861/2.1205	2.140/0.0841		25.02/0.985	F23	2	CH-12-3

42 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
379 (6.2) Diesel	**C**	**V8**	**3.98 x 3.82**	**Connecting Rod 48 ft. lbs**
379 (6.2) Diesel	**J**	**V8**	**3.98 x 3.82**	**Main Bearing 100 ft.lbs** (outer bolt - 6.2 diesel engine only)
395 (6.5) Turbo Diesel	**F**	**V8**	**4.06 x 3.82**	
395 (6.5) Diesel	**P**	**V8**	**4.06 x 3.82**	**Main Bearing 110 ft.lbs** (inner bolt)
395 (6.5) Turbo Diesel	**S**	**V8**	**4.06 x 3.82**	**Main Bearing 111 ft.lbs** (outer bolt - 6.5 diesel engine only)
395 (6.5) Diesel	**Y**	**V8**	**4.06 x 3.82**	

	Rod								
8B1286P Std. .025 .25 .50 .75		60.914/2.3982 60.940/2.3992	64.125/2.5246 64.150/2.5256	1.570/0.0618	.048/.0019 .120/.0047	22.91/0.902	F780	16	1292 IH
	Main - For all 6.2L & 6.5L engines.								
5M2091P Std. .025 .25 .50 .75 1.0	1,2,4	74.917/2.9495 74.940/2.9504	79.825/3.1427 79.850/3.1437	2.425/0.0955	.040/.0016 .114/.0045	22.78/0.897	F780	6	2087 U/L
	3 (Fl)	74.917/2.9495 74.940/2.9504	79.825/3.1427 79.850/3.1437	2.425/0.0955	.040/.0016 .114/.0045	28.70/1.130	F780	2	2089 U/L
	5	74.912/2.9493 74.937/2.9503	79.825/3.1427 79.850/3.1437	2.425/0.0955	.045/.0018 .119/.0047	35.33/1.391	F780	2	2088 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C1199S Std.	1	54.976/2.1644 55.024/2.1663	59.106/2.3270 59.157/2.3290	2.030/0.0798		22.86/0.900	F23	1	GM-7-1
	2	54.976/2.1644 55.024/2.1663	58.877/2.3180 58.928/2.3200	1.910/0.0753		19.81/0.780	F23	1	GM-7-2
	3	54.976/2.1644 55.024/2.1663	58.623/2.3080 58.674/2.3100	1.790/0.0703		19.81/0.780	F23	1	GM-7-3
	4	54.976/2.1644 55.024/2.1663	58.369/2.2980 58.420/2.3000	1.660/0.0653		19.81/0.780	F23	1	GM-7-4
	5	50.975/2.0069 51.026/2.0089	54.381/2.1410 54.432/2.1430	1.660/0.0655		19.81/0.780	F23	1	GM-7-5
	Small End - semi-finished - .020" bore stock allowance.								
RB3864Y20 Semi		31.026/1.2215 (Finished ID Size)	33.139/1.3047 (Nominal)			25.40/1.000	F100	1	3864Y20

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	43
400 (6.6) Small block		V8	4.13 x 3.75	Connecting Rod 45 ft. lbs/61 Nm	
400 (6.6) Small block	E	V8	4.13 x 3.75	Main Bearing 75 ft.lbs/102 Nm	
400 (6.6) Small block	K	V8	4.13 x 3.75		
400 (6.6) Small block	M	V8	4.13 x 3.75		
400 (6.6) Small block	R	V8	4.13 x 3.75		
400 (6.6) Small block	U	V8	4.13 x 3.75		
400 (6.6) Small block	X	V8	4.13 x 3.75		

Rod - High Strength Aluminum Silicon material.

	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A	**8B663A** Std. 01 10 20 30 40

Rod - .002" oversize OD version of 8B663A.

	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH	**8B663AO/S2** 10 20 30 40

Rod - standard oil clearance.

	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH	**8B663P** Std. 01 10 20 30 40 50 60

Rod - .002" oversize OD version of 8B663P.

	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH	**8B663PO/S2** 10 20 30 40

Main - optional set to 5M1038P with +0.010" overflange length increase. *See below for dimensional information.

1,2,3,4	67.269/2.6484 67.292/2.6493	72.151/2.8406 72.174/2.8415	2.423/0.0954	.013/.0005 .084/.0033	20.44/0.805	F780	8	7113 U/L	**5M1036P** 10 20 30 40
5 (Fl)	67.257/2.6479 67.280/2.6488	72.151/2.8406 72.174/2.8415	2.423/0.0954	.025/.0010 .097/.0038	43.89/1.728	F780	2	1036 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M1036P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.728"	+0.010"
.020" u/s shaft	1.728"	+0.010"
.030" u/s shaft	1.728"	+0.010"
.040" u/s shaft	1.728"	+0.010"

Main - half groove - standard oil clearance.

1,2,3,4	67.269/2.6484 67.292/2.6493	72.151/2.8406 72.174/2.8415	2.423/0.0954	.013/.0005 .084/.0033	20.44/0.805	F780	8	7113 U/L	**5M1038P** Std. 01 10 20 30 40
5 (Fl)	67.257/2.6479 67.280/2.6488	72.151/2.8406 72.174/2.8415	2.423/0.0954	.025/.0010 .097/.0038	43.64/1.718	F780	2	7115 U/L	

Overflange length remains constant for standard and undersizes.

Main - optional set to 5M1038P with +0.004" overflange length increase. *See below for dimensional information.

1,2,3,4	67.269/2.6484 67.292/2.6493	72.151/2.8406 72.174/2.8415	2.423/0.0954	.013/.0005 .084/.0033	20.44/0.805	F780	8	7113 U/L	**5M7155P** 40
5 (Fl)	67.257/2.6479 67.280/2.6488	72.151/2.8406 72.174/2.8415	2.423/0.0954	.025/.0010 .097/.0038	43.74/1.722	F780	2	7155 U/L	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 5M7155P**

	Overall Width (Nominal)	Increase in Width
.040" u/s shaft	1.722"	+0.004"

Cam - Single piece from 5C3346C set

1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	1	3346	**1C3346C** Std.

Cam - Single piece from 5C3349C set (#1 cam).

	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**1C3349C** Std.

Cam - +0.010" O.D. all housing bores 2.0290"/2.0310" (High Performance). Customer to drill oil holes.

1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536	**5C004AS** Std.

Cam - +0.020" O.D. all housing bores 2.0390"/2.0410" (High Performance). Customer to drill oil holes.

1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537	**5C004BS** Std.

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
43 (Cont'd.)									
	Cam - standard housing bores.								
5C290S Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1
	2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.760/0.0694		18.92/0.745	F23	2	CH-4-2
	3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3
	Cam - All housing bores constant at 1.9990"/2.0010" (High Performance)								
5C3346C Std.	1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	5	3346
	Cam - standard housing bores (High Performance).								
5C3349C Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349
	2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347
	3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346

44 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
496 (8.1)	**G**	**V8**	**4.25 x 4.37**	**Connecting Rod 22 ft.lbs + 90 deg** **Main Bearing 22 ft.lbs + 80 deg** (Outer studs) **Main Bearing 22 ft.lbs + 90 deg** (Inner bolts)

	Rod - High Strength Aluminum Silicon material.								
8B743A Std. 01 10 20 30 40		55.855/2.1990 55.880/2.2000	59.047/2.3247 59.060/2.3252	1.575/0.0620	.017/.0007 .081/.0032	22.58/0.889	F810	16	7100A IH
	Rod - .002" oversize OD version of 8B743A.								
8B743AO/S2 10 20 30 40		55.855/2.1990 55.880/2.2000	59.098/2.3267 59.111/2.3272	1.727/0.0680 (@ .010" u/s)	.017/.0007 .081/.0032	22.58/0.889	F810	16	9100A IH
	Rod								
8B743P Std. 01 10 20 30 40		55.855/2.1990 55.880/2.2000	59.047/2.3247 59.060/2.3252	1.575/0.0620	.017/.0007 .081/.0032	22.58/0.889	F780	16	7100 IH
	Rod - .002" oversize OD version of 8B743P.								
8B743PO/S2 10 20 30 40		55.855/2.1990 55.880/2.2000	59.098/2.3267 59.111/2.3272	1.727/0.0680 (@ .010" u/s)	.017/.0007 .081/.0032	22.58/0.889	F780	16	9100 IH
	Cam - engines from 1967 on.								
5C616S Std.	1	49.497/1.9487 49.522/1.9497	54.343/2.1395 54.369/2.1405	2.390/0.0941		21.97/0.865	F23	1	CH-12-1
	2,5	49.497/1.9487 49.522/1.9497	54.089/2.1295 54.115/2.1305	2.260/0.0891		25.02/0.985	F23	2	CH-12-2
	3,4	49.497/1.9487 49.522/1.9497	53.835/2.1195 53.861/2.1205	2.140/0.0841		25.02/0.985	F23	2	CH-12-3

CHEVROLET PERFORMANCE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
262 (4.3)			V8	75-76	1
265			V8	55-57	2
267 (4.4)			V8	79-82	1
283			V8	57-67	2
294 (4.8)	Vortec 4800	V	V8	99-05	3
302 (5.0)			V8	68-69	1
302			V8	67-67	2
305 (5.0)			V8	76-02	1
307			V8	68-73	1
323 (5.3)	Vortec 5300	T	V8	99-05	3
327			V8	68-69	1
327			V8	62-67	2
350 (5.7)			V8	67-04	1
350 (5.7)	Gen III	G	V8	97-04	3
350 (5.7)	Gen III	S	V8	01-04	3
364 (6.0)	Vortec 6000	U	V8	99-05	3
366 (6.0)			V8	66-67	4
396			V8	65-69	4
396			V8	70-70	4
400 (6.6)			V8	70-80	5
402			V8	70-72	4
427 (7.0)			V8	66-69	4
454 (7.4)			V8	70-00	4
502 (8.2)			V8		4

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** (1)

ENGINE	VIN	CYL	Bore x Stroke
262 (4.3)		**V8**	**3.671 x 3.109**
267 (4.4)		**V8**	**3.500 x 3.484**
302 (5.0)		**V8**	**4.000 x 3.000**
305 (5.0)		**V8**	**3.736 x 3.484**
307		**V8**	**3.875 x 3.250**
327		**V8**	**4.000 x 3.250**
350 (5.7)		**V8**	**4.000 x 3.484**

Connecting Rod 35 ft.lbs/48 Nm (11/32" bolts only)
Connecting Rod 45 ft.lbs/61 Nm (3/8" bolts only)
Main Bearing 75 ft.lbs/102 Nm

Rod - For custom engines with 1.8890" journal.

	47.968/1.8885 47.980/1.8890	51.181/2.0150 51.194/2.0155	1.587/0.0625	.025/.0010 .066/.0026	20.12/0.792	F781	2	7000H IH	**1B1663H** Std. 01 10

Rod - For custom engines with 1.8890" journal - bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.

	47.968/1.8885 47.980/1.8890	51.181/2.0150 51.194/2.0155	1.575/0.0620	.051/.0020 .091/.0036	20.12/0.792	F781	2	7000HX IH	**1B1663HX** Std.

Rod - For custom engines with 1.8890" journal and 0.896" wide. Dowel hole in cap half.

	47.968/1.8885 47.981/1.8890	51.181/2.0150 51.194/2.0155	1.588/0.0625	.024/.0009 .066/.0026	22.75/0.896	F781	2	7001HD U/L	**1B1665HD** Std. 01

Rod - For custom engines with 1.8890" journal and 0.896" wide. Dowel hole in cap half. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.

	47.968/1.8885 47.981/1.8890	51.181/2.0150 51.194/2.0155	1.575/0.0620	.024/.0009 .066/.0026	22.75/0.896	F781	2	7001HXD U/L	**1B1665HXD** Std.

Rod - bearing shell does not contain dowel hole.

	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.023/.0009 .076/.0030	21.25/0.837	F780	2	2376H U/L	**1B663H** Std. 01 09 10 11 20

Rod - Dowel hole in cap half.

	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.023/.0009 .076/.0030	21.25/0.837	F781	2	2376HD U/L	**1B663HD** Std. 01 10

Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.

	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.562/0.0615	.047/.0019 .102/.0040	21.25/0.837	F780	2	2376HX U/L	**1B663HX** Std.

Rod - Dowel hole in cap half. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.

	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.562/0.0615	.047/.0019 .102/.0040	21.25/0.837	F781	2	2376HXD U/L	**1B663HXD** Std.

Main - 3/4 grooved set.

1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.424/0.0954	.013/.0005 .073/.0029	20.50/0.807	F780	8	2377H U/L	**5M909H** Std. 01 09 10 11 20
5 (Fl)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.424/0.0954	.013/.0005 .073/.0029	43.64/1.718	F780	2	2378H U/L	

Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.

1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.411/0.0949	.039/.0015 .100/.0039	20.50/0.807	F780	8	2377HX U/L	**5M909HX** Std.
5 (Fl)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.411/0.0949	.039/.0015 .100/.0039	43.64/1.718	F780	2	2378HX U/L	

Cam - Single piece from 5C3346C set.

1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	1	3346	**1C3346C** Std.

CHEVROLET PERFORMANCE

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 (Cont'd.)									
	Cam - Single piece from 5C3349C set (#1 Cam).								
1C3349C Std.		47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349
	Cam - +0.010" O.D. all housing bores 2.0290"/2.0310". Customer to drill oil holes.								
5C004AS Std.	1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536
	Cam - +0.020" O.D. all housing bores 2.0390"/2.0410". Customer to drill oil holes.								
5C004BS Std.	1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537
	Cam - for blocks with all housing bores constant at 1.9990"-2.0010" (Bow tie CNC Blocks).								
5C3346C Std.	1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	5	3346
	Cam								
5C3349C Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349
	2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347
	3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346

2 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
265		**V8**	**3.750 x 3.000**	**Connecting Rod 35 ft.lbs/48 Nm** (11/32" bolts only)
283		**V8**	**3.875 x 3.000**	**Connecting Rod 45 ft.lbs/61 Nm** (3/8" bolts only)
302		**V8**	**4.000 x 3.000**	**Main Bearing 60-70 ft.lbs/81-95 Nm** (265, 283, 327 engines only)
327		**V8**	**4.000 x 3.250**	**Main Bearing 80 ft.lbs/108 Nm** (302 engines only)

	Rod - bearing shell does not contain dowel hole.								
1B745H Std. 01 10		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.022/.0009 .076/.0030	21.38/0.842	F780	2	2370H U/L
	Rod - Dowel hole in cap half.								
1B745HD Std.		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.022/.0009 .076/.0030	21.38/0.842	F781	2	2370HD U/L
	Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
1B745HX Std.		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.564/0.0616	.048/.0019 .102/.0040	21.38/0.842	F780	2	2370HX U/L
	Rod - Dowel hole in cap half. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
1B745HXD Std.		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.564/0.0616		21.38/0.842	F781	2	2370HXD U/L
	Main - 3/4 grooved set.								
5M429H Std. 01 10	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.423/0.0954	.013/.0005 .079/.0031	20.49/0.807	F780	8	2372H U/L
	5 (FI)	58.364/2.2978 58.390/2.2988	63.261/2.4906 63.287/2.4916	2.423/0.0954	.025/.0010 .092/.0036	43.64/1.718	F780	2	7104H U/L
	Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M429HX Std.	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.410/0.0949	.038/.0015 .104/.0041	20.49/0.807	F780	8	2372HX U/L
	5 (FI)	58.364/2.2978 58.390/2.2988	63.261/2.4906 63.287/2.4916	2.410/0.0949	.050/.0020 .116/.0046	43.64/1.718	F780	2	7104HX U/L
	Cam - Single piece from 5C3346C set.								
1C3346C Std.	1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	1	3346
	Cam - Single piece from 5C3349C set (#1 Cam).								
1C3349C Std.		47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349
	Cam - +0.010" O.D. all housing bores 2.0290"/2.0310". Customer to drill oil holes.								
5C004AS Std.	1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 2
Cam - +0.020" O.D. all housing bores 2.0390"/2.0410". Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537	**5C004BS** Std.
Cam - for 1955-63 engines only.									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1	**5C287S** Std.
2	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		18.92/0.745	F23	1	CH-4-2	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3	
5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		24.00/0.945	F23	1	CH-4-4	
Cam - for blocks with all housing bores constant at 1.9990"-2.0010" (Bow tie CNC Blocks).									
1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	5	3346	**5C3346C** Std.
Cam - for 1964-67 engines only.									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**5C3349C** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 3
294 (4.8) Vortec 4800	**V**	**V8**	**96mm x 83mm**	**Connecting Rod 15 ft.lbs/20 Nm + 60 deg.**
323 (5.3) Vortec 5300	**T**	**V8**	**96mm x 92mm**	**Main Bearing** Consult service manual
350 (5.7) Gen III	**G**	**V8**	**99mm x 92mm**	
350 (5.7) Gen III	**S**	**V8**	**99mm x 92mm**	
364 (6.0) Vortec 6000	**U**	**V8**	**101.6mm x 92mm**	

Rod									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.023/.0009 .076/.0030	21.25/0.837	F780	2	2376H U/L	**1B663H** Std. 01 09 10 11 20
Rod - Dowel hole in cap half.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.023/.0009 .076/.0030	21.25/0.837	F781	2	2376HD U/L	**1B663HD** Std. 01 10
Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.562/0.0615	.047/.0019 .102/.0040	21.25/0.837	F780	2	2376HX U/L	**1B663HX** Std.
Rod - Dowel hole in cap half. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.562/0.0615	.047/.0019 .102/.0040	21.25/0.837	F781	2	2376HXD U/L	**1B663HXD** Std.
Main									
1,2,4,5	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.013/.0005 .065/.0026	20.45/0.805	F780	8	7298H U/L	**5M7298H** Std. 01 10 20
3 (FI)	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.013/.0005 .065/.0026	26.10/1.028	F780	2	7299H U/L	
Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1,2,4,5	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.417/0.0952	.038/.0015 .091/.0036	20.45/0.805	F780	8	7298HX U/L	**5M7298HX** Std.
3 (FI)	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.417/0.0952	.038/.0015 .091/.0036	26.10/1.028	F780	2	7299HX U/L	
Cam - 1997-2003 with 1st design # 1 & 5 housing size of 2.3260"-2.3280".									
1,5	54.991/2.1650 55.042/2.1670	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1	**5C1000S** Std.
2,4	54.991/2.1650 55.042/2.1670	58.829/2.3161 58.879/2.3181	1.880/0.0740		16.00/0.630	F23	2	CH-10-2	
3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3	

CHEVROLET PERFORMANCE

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 (Cont'd.)									
	Cam - 2003 on with 2nd design # 1 & 5 housing size of 2.3460"-2.3480".								
5C1001S Std.	1,5	54.991/2.1650 55.042/2.1670	59.588/2.3460 59.639/2.3480	2.260/0.0890		16.00/0.630	F23	2	CH-23-1
	2,4	54.991/2.1650 54.042/2.1276	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1
	3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3

4 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
366 (6.0)		**V8**	**3.938 x 3.766**	**Connecting Rod 45-55 ft.lbs**
396		**V8**	**4.094 x 3.766**	**Main Bearing 110-120 ft.lbs** High Performance
396		**V8**	**4.125 x 3.766**	engines only.
402		**V8**	**4.125 x 3.766**	**Main Bearing 90-100 ft.lbs** All engines except High
427 (7.0)		**V8**	**4.250 x 3.766**	Performance.
454 (7.4)		**V8**	**4.250 x 4.000**	
502 (8.2)		**V8**	**4.470 x 4.000**	

	Rod - bearing shell does not contain dowel hole.								
1B743H Std. 01 09 10 11 20		55.855/2.1990 55.880/2.2000	59.047/2.3247 59.060/2.3252	1.572/0.0619	.022/.0009 .076/.0030	22.58/0.889	F780	2	7100H U/L
	Rod - Dowel hole in cap half.								
1B743HD Std. 01 10		55.855/2.1990 55.880/2.2000	59.047/2.3247 59.060/2.3252	1.572/0.0619	.022/.0009 .076/.0030	22.58/0.889	F781	2	7100HD U/L
	Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
1B743HX Std.		55.855/2.1990 55.880/2.2000	59.047/2.3247 59.060/2.3252	1.559/0.0614	.048/.0019 .102/.0040	22.58/0.889	F780	2	2370HX U/L
	Rod - Dowel hole in cap half. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
1B743HXD Std.		55.855/2.1990 55.855/2.1990	59.047/2.3247 59.060/2.3252	1.559/0.0614	.048/.0019 .102/.0040	22.58/0.889	F781	2	7100HXD U/L
	Main - 3/4 grooved set.								
5M829H Std. 01 09 10 11 20	1,2,3,4	69.804/2.7482 69.830/2.7492	74.600/2.9370 74.625/2.9380	2.372/0.0934	.018/.0007 .095/.0037	26.46/1.042	F780	8	7102H U/L
	5 (Fl)	69.794/2.7478 69.820/2.7488	74.600/2.9370 74.625/2.9380	2.372/0.0934	.030/.0012 .105/.0041	46.00/1.811	F780	2	7103H U/L
	Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M829HX Std.	1,2,3,4	69.804/2.7482 69.830/2.7492	74.600/2.9370 74.625/2.9380	2.368/0.0932	.010/.0004 .087/.0034	26.46/1.042	F780	8	7102HX U/L
	5 (Fl)	69.794/2.7478 69.820/2.7488	74.600/2.9370 74.625/2.9380	2.368/0.0932	.020/.0008 .097/.0038	46.00/1.811	F780	2	7103HX U/L
	Cam - for 1965-66 engines only.								
5C615S Std.	1	49.497/1.9487 49.522/1.9497	54.343/2.1395 54.369/2.1405	2.390/0.0941		21.97/0.865	F23	1	CH-12-1
	2	49.497/1.9487 49.522/1.9497	54.089/2.1295 54.115/2.1305	2.260/0.0891		25.02/0.985	F23	1	CH-12-2
	3,4	49.497/1.9487 49.522/1.9497	53.835/2.1195 53.861/2.1205	2.140/0.0841		25.02/0.985	F23	2	CH-12-3
	5	49.497/1.9487 49.522/1.9497	54.089/2.1295 54.115/2.1305	2.270/0.0894		25.02/0.985	F23	1	CH-9-4
	Cam - for 1967-98 engines only.								
5C616S Std.	1	49.497/1.9487 49.522/1.9497	54.343/2.1395 54.369/2.1405	2.390/0.0941		21.97/0.865	F23	1	CH-12-1
	2,5	49.497/1.9487 49.522/1.9497	54.089/2.1295 54.115/2.1305	2.260/0.0891		25.02/0.985	F23	2	CH-12-2
	3,4	49.497/1.9487 49.522/1.9497	53.835/2.1195 53.861/2.1205	2.140/0.0841		25.02/0.985	F23	2	CH-12-3

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**5**
400 (6.6)			**V8**	**4.125 x 3.750**	**Connecting Rod 45 ft.lbs/61 Nm Main Bearing 75 ft.lbs/102 Nm**				
Rod - bearing shell does not contain dowel hole.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.023/.0009 .076/.0030	21.25/0.837	F780	2	2376H U/L	**1B663H** Std. 01 09 10 11 20
Rod - Dowel hole in cap half.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.023/.0009 .076/.0030	21.25/0.837	F781	2	2376HD U/L	**1B663HD** Std. 01 10
Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.562/0.0615	.047/.0019 .102/.0040	21.25/0.837	F780	2	2376HX U/L	**1B663HX** Std.
Rod - Dowel hole in cap half. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.562/0.0615	.047/.0019 .102/.0040	21.25/0.837	F781	2	2376HXD U/L	**1B663HXD** Std.
Main - 3/4 grooved set.									
1,2,3,4	67.269/2.6484 67.292/2.6493	72.151/2.8406 72.174/2.8415	2.421/0.0953	.018/.0007 .080/.0031	20.44/0.805	F780	8	7113H U/L	**5M1038H** Std. 01 10
5 (FI)	67.257/2.6479 67.280/2.6488	72.151/2.8406 72.174/2.8415	2.421/0.0953	.030/.0012 .092/.0036	43.64/1.718	F780	2	7115H U/L	
Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1,2,3,4	67.269/2.6484 67.292/2.6493	72.151/2.8406 72.174/2.8415	2.410/0.0949	.013/.0005 .084/.0033	20.44/0.805	F780	8	7113HX U/L	**5M1038HX** Std.
5 (FI)	67.257/2.6479 67.280/2.6488	72.151/2.8406 72.174/2.8415	2.410/0.0949	.025/.0010 .097/.0038	43.64/1.718	F780	2	7115HX U/L	
Cam - Single piece from 5C3346C set.									
1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	1	3346	**1C3346C** Std.
Cam - Single piece from 5C3349C set (#1 Cam).									
	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**1C3349C** Std.
Cam - +0.010" O.D. all housing bores 2.0290"/2.0310". Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536	**5C004AS** Std.
Cam - +0.020" O.D. all housing bores 2.0390"/2.0410". Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537	**5C004BS** Std.
Cam - for blocks with all housing bores constant at 1.9990"-2.0010" (Bow tie CNC Blocks).									
1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	5	3346	**5C3346C** Std.
Cam									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**5C3349C** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346	

CHRYSLER

CHRYSLER ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
122 1996cc (2.0)...	16V DOHC	C	L4	00-00	1
122 1996cc (2.0)...	16V DOHC	Y	L4	95-99	1
122 1996cc (2.0)...	16V DOHC (ECF)	Y	L4	96-98	1
135 (2.2)	DOHC, Turbo	A	L4	92-93	2
135 (2.2)	SOHC, Turbo	A	L4	87-89	2
135 (2.2)	SOHC	B	L4	82-82	2
135 (2.2)	SOHC	C	L4	83-84	2
135 (2.2)	SOHC, Turbo	C	L4	90-90	2
135 (2.2)	SOHC	D	L4	84-89	2
135 (2.2)	SOHC, Turbo	E	L4	84-88	2
135 (2.2)	DOHC, Turbo	P	L4	89-89	2
135 (2.2)	DOHC, Turbo	R	L4	89-90	2
2351cc (2.4).....	Mits 4G64	G	L4	01-05	3
148 2429cc (2.4)...	DOHC	B	L4	00-02	4
148 2429cc (2.4)...	DOHC	X	L4	00-02	4
148 2429cc (2.4)...	DOHC (EDZ)	X	L4	95-98	4
152 2497cc (2.5)...	Mits 6G73	H	V6	99-00	5
152 2497cc (2.5)...	Mits 6G73	N	V6	95-00	5
152 2497cc (2.5)...	Mits 6G73 (EEB)	H	V6	95-98	5
152 2497cc (2.5)...	Mits 6G73 (EEB)	N	V6	96-98	5
153 2507cc (2.5)...	SOHC, Turbo	J	L4	89-92	2
153 2507cc (2.5)...	SOHC	K	L4	89-89	2
153 2507cc (2.5)...	SOHC	K	L4	86-93	2
156 2555cc (2.6)...	Mits G54B (SOHC)	D	L4	82-82	6
156 2555cc (2.6)...	Mits G54B (SOHC)	G	L4	83-85	6
156 2555cc (2.6)...	Mits G54B (SOHC), Turbo	H	L4	87-87	6
156 2555cc (2.6)...	Mits G54B (SOHC), Turbo	N	L4	87-89	6
167 2700cc (2.7)...		R	V6	02-06	7
167 2700cc (2.7)...		T	V6	03-06	7
167 2700cc (2.7)...		U	V6	01-01	7
167 2700cc (2.7)...	(EER)	R	V6	98-06	7
181 2972cc (3.0)...	Mits 6G72	3	V6	88-00	9
181 2972cc (3.0)...	Mits 6G72	H	V6	01-05	9
181 2972cc (3.0)...	Mits 6G72	S	V6	90-91	9
197 3200cc (3.2)...	SOHC (EGW)	J	V6	98-01	10
201 (3.3)	OHV	3	V6	01-03	11
201 (3.3)	OHV	G	V6	00-00	11
201 (3.3)	OHV	R	V6	90-06	11
201 (3.3)	OHV	T	V6	93-96	11
201 (3.3)	OHV	U	V6	94-95	11
201 (3.3)	OHV (EGB)	T	V6	97-97	11
201 (3.3)	OHV (EGM)	G	V6	98-00	11
215 3497cc (3.5)...	SOHC (Aluminum Block)	4	V6	04-06	10
215 3497cc (3.5)...	SOHC (Cast Iron Block)	F	V6	93-97	12
215 3497cc (3.5)...	SOHC (Aluminum Block)	G	V6	99-06	10
215 3497cc (3.5)...	SOHC (Aluminum Block)	K	V6	03-04	10
215 3497cc (3.5)...	SOHC (Aluminum Block)	M	V6	02-04	10
215 3497cc (3.5)...	SOHC (Cast Iron Block) (EGE)	F	V6	97-97	12
225	Forged Crankshaft		L6	60-76	8
225 3687cc (3.7)...	Cast Crankshaft	C	L6	78-80	13
225 3687cc (3.7)...	Cast Crankshaft	D	L6	78-80	13
225 3687cc (3.7)...	Cast Crankshaft	E	L6	81-82	13
225 3687cc (3.7)...	Cast Crankshaft	F	L6	81-81	13
225 3687cc (3.7)...	Cast Crankshaft	G	L6	81-82	13
225 3687cc (3.7)...	Cast Crankshaft	H	L6	83-83	13
225 3687cc (3.7)...	Cast Crankshaft	K	L6	83-83	13
230 (3.8)	OHV	L	V6	91-06	11
318 (5.2)		G	V8	75-80	14
318 (5.2)		H	V8	78-80	14
318 (5.2)		J	V8	81-82	14
318 (5.2)		K	V8	81-82	14
318 (5.2)		L	V8	81-81	14
318 (5.2)		M	V8	81-82	14
318 (5.2)		N	V8	81-83	14
318 (5.2)		P	V8	83-89	14
345 (5.7)	Hemi	H	V8	05-06	15
360 (5.9)		J	V8	74-79	17
360 (5.9)		K	V8	71-80	17
360 (5.9)		L	V8	78-79	17
361 (5.9)			V8	61-64	16
383 (6.4)			V8	59-60	18
383 (6.3)			V8	59-67	16
383 (6.3)		G	V8	68-69	16
383 (6.3)		H	V8	68-69	16
383 (6.3)		L	V8	70-71	16
383 (6.3)		N	V8	70-71	16
400 (6.6)		M	V8	72-76	16
400 (6.6)		N	V8	74-78	16
400 (6.6)		P	V8	75-78	16
413			V8	59-65	18
426 (7.0)	(Excl. Hemi)		V8	63-63	18
426 (7.0)	Hemi		V8	64-71	19
440 (7.2)			V8	66-67	18
440 (7.2)		K	V8	68-69	18
440 (7.2)		L	V8	68-69	18
440 (7.2)		T	V8	70-78	18
440 (7.2)		U	V8	70-75	18

CHRYSLER MODEL INDEX

Model	CID	cc	Liter	Description	Years
	413				59-65
300	167	2700	2.7		05-06
	383		6.3		62-66
	426		7.0	(Excl. Hemi)	63
	440		7.2		66-71
300 - C	345		5.7	Hemi	05-06
300 - LIMITED	215	3497	3.5	SOHC (Aluminum Block)	05-06
300 - TOURING	215	3497	3.5	SOHC (Aluminum Block)	05-06
300M	215	3497	3.5	SOHC (Aluminum Block)	99-04
300M - PRO-AM EDITION	215	3497	3.5	SOHC (Aluminum Block)	03
300M - SPECIAL	215	3497	3.5	SOHC (Aluminum Block)	02-04
CIRRUS	122	1996	2.0	16V DOHC	00
	148	2429	2.4	DOHC	00
	152	2497	2.5	Mits 6G73	98-00
CIRRUS - LX	148	2429	2.4	DOHC	95-97
	152	2497	2.5	Mits 6G73	95-97
CIRRUS - LXI	148	2429	2.4	DOHC	97
	152	2497	2.5	Mits 6G73	95-97
CONCORDE	167	2700	2.7		98-01
	197	3200	3.2	SOHC	98-01
	201		3.3	OHV	93-95
	215	3497	3.5	SOHC (Cast Iron Block)	93-95
CONCORDE - LIMITED	215	3497	3.5	SOHC (Aluminum Block)	02-04
CONCORDE - LX	167	2700	2.7		02-04
	201		3.3	OHV	96
	215	3497	3.5	SOHC (Cast Iron Block)	96-97
CONCORDE - LXI	215	3497	3.5	SOHC (Aluminum Block)	02-04
	215	3497	3.5	SOHC (Cast Iron Block)	96-97
CONQUEST	156	2555	2.6	Mits G54B (SOHC)	87
CONQUEST - TSI	156	2555	2.6	Mits G54B (SOHC)	88-89
CORDOBA	225	3687	3.7	Cast Crankshaft	80-83
	318		5.2		75-83
	360		5.9		75-79
	400		6.6		75-78
CORDOBA - CROWN	225	3687	3.7	Cast Crankshaft	80
	318		5.2		80
CORDOBA - LS	225	3687	3.7	Cast Crankshaft	80-82
	318		5.2		81-82
DAYTONA	135		2.2	DOHC	93
	135		2.2	SOHC	84-89
	153	2507	2.5	SOHC	87-93
	181	2972	3.0	Mits 6G72	90-93
DAYTONA - IROC R/T	135		2.2	DOHC	92
DAYTONA - PACIFICA	135		2.2	SOHC	87-88
DAYTONA - SHELBY Z	135		2.2	SOHC	87
DYNASTY	153	2507	2.5	SOHC	88-92
	181	2972	3.0	Mits 6G72	89-90

CHRYSLER MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
DYNASTY	201		3.3	OHV	91-93
E CLASS	135		2.2	SOHC	83-84
	156	2555	2.6	Mits G54B (SOHC)	83-84
EXECUTIVE LIMOUSINE	156	2555	2.6	Mits G54B (SOHC)	85
EXECUTIVE SEDAN	156	2555	2.6	Mits G54B (SOHC)	83-84
FIFTH AVENUE	225	3687	3.7	Cast Crankshaft	83
	318		5.2		83-89
GRAND VOYAGER	181	2972	3.0	Mits 6G72	00
	201		3.3	OHV	00
GRAND VOYAGER - SE	181	2972	3.0	Mits 6G72	00
	201		3.3	OHV	00
IMPERIAL	201		3.3	OHV	90-91
	230		3.8	OHV	91-93
	318		5.2		81-83
	440		7.2		66-67
IMPERIAL - CROWN	440		7.2		68-70
IMPERIAL - LEBARON	440		7.2		68-75
INTREPID	167	2700	2.7		98-04
	197	3200	3.2	SOHC	98-01
	201		3.3	OHV	93-97
	215	3497	3.5	SOHC (Aluminum Block)	03-04
	215	3497	3.5	SOHC (Cast Iron Block)	93-97
INTREPID - ES	201		3.3	OHV	95
	215	3497	3.5	SOHC (Cast Iron Block)	95-96
LASER	135		2.2	SOHC	84-86
	153	2507	2.5	SOHC	86
LASER - XE	135		2.2	SOHC	84-86
	153	2507	2.5	SOHC	86
LEBARON	135		2.2	SOHC	82-89
	153	2507	2.5	SOHC	86-93
	156	2555	2.6	Mits G54B (SOHC)	82-85
	225	3687	3.7	Cast Crankshaft	78-81
	181	2972	3.0	Mits 6G72	90-93
	318		5.2		77-81
	360		5.9		78-79
LEBARON - GTC	135		2.2	DOHC	89
	135		2.2	SOHC	90
	153	2507	2.5	SOHC	89-92
	181	2972	3.0	Mits 6G72	91-95
LEBARON - GTS	135		2.2	SOHC	85-89
	153	2507	2.5	SOHC	86-89
LEBARON - LANDAU	153	2507	2.5	SOHC	92
	181	2972	3.0	Mits 6G72	92-94
LEBARON - LE	153	2507	2.5	SOHC	93
	181	2972	3.0	Mits 6G72	93-94
LEBARON - LX	181	2972	3.0	Mits 6G72	91-93
LEBARON - LX SEDAN	181	2972	3.0	Mits 6G72	92
LEBARON - MEDALLION	135		2.2	SOHC	82
	156	2555	2.6	Mits G54B (SOHC)	82
	225	3687	3.7	Cast Crankshaft	78-81
	318		5.2		77-81
	360		5.9		78-79
LEBARON - S	225	3687	3.7	Cast Crankshaft	78
	318		5.2		78
LEBARON - SALON	225	3687	3.7	Cast Crankshaft	79-81
	318		5.2		79-81
	360		5.9		79
LEBARON - SEDAN	153	2507	2.5	SOHC	92
	181	2972	3.0	Mits 6G72	92
LEBARON - SPECIAL	225	3687	3.7	Cast Crankshaft	81
	318		5.2		81
LEBARON - TOWN & COUNTRY	225	3687	3.7	Cast Crankshaft	81
LHS	215	3497	3.5	SOHC (Aluminum Block)	99-01
	215	3497	3.5	SOHC (Cast Iron Block)	94-97
NEW YORKER	135		2.2	SOHC	83-87
	153	2507	2.5	SOHC	86-87
	156	2555	2.6	Mits G54B (SOHC)	83-85
	225	3687	3.7	Cast Crankshaft	82
	181	2972	3.0	Mits 6G72	88-89
	215	3497	3.5	SOHC (Cast Iron Block)	94-96
NEW YORKER	318		5.2		79-82
	360		5.9		79-80
	426		7.0	(Excl. Hemi)	63
	440		7.2		66-74
NEW YORKER - BROUGHAM	360		5.9		77-78
	400		6.6		75-78
	440		7.2		72-78
NEW YORKER - FIFTH AVENUE	201		3.3	OHV	90-93
	230		3.8	OHV	91-93
NEW YORKER - LANDAU	181	2972	3.0	Mits 6G72	88-89
	201		3.3	OHV	90
NEW YORKER - SALON	201		3.3	OHV	90-93
NEW YORKER - TURBO	135		2.2	SOHC	88
NEWPORT	225	3687	3.7	Cast Crankshaft	79-81
	318		5.2		79-81
	360		5.9		71-80
	361		5.9		61-64
	383		6.3		65-71
	400		6.6		73-78
	426		7.0	(Excl. Hemi)	63
	440		7.2		66-78
NEWPORT - CUSTOM	360		5.9		74-76
	383		6.3		68-71
	400		6.6		72-76
	440		7.2		68-76
NEWPORT - ROYAL	360		5.9		72
	400		6.6		72
	440		7.2		72
PACIFICA	215	3497	3.5	SOHC (Aluminum Block)	04-06
	230		3.8	OHV	05-06
PACIFICA - LIMITED	215	3497	3.5	SOHC (Aluminum Block)	06
PACIFICA - TOURING	215	3497	3.5	SOHC (Aluminum Block)	06
PROWLER	215	3497	3.5	SOHC (Aluminum Block)	01-02
PT CRUISER	148	2429	2.4	DOHC	01-02
SARATOGA	383		6.3		59-60
SEBRING		2351	2.4	Mits 4G64	01-05
	148	2429	2.4	DOHC	01-02
	167	2700	2.7		01-05
	181	2972	3.0	Mits 6G72	01-05
SEBRING - GTC	167	2700	2.7		06
SEBRING - JX	148	2429	2.4	DOHC	96-98
	152	2497	2.5	Mits 6G73	96-00
SEBRING - JXI	148	2429	2.4	DOHC	97-98
	152	2497	2.5	Mits 6G73	96-00
SEBRING - LIMITED	167	2700	2.7		06
SEBRING - LX	122	1996	2.0	16V DOHC	95-99
	152	2497	2.5	Mits 6G73	95-00
SEBRING - LXI	152	2497	2.5	Mits 6G73	95-00
SEBRING - TOURING	167	2700	2.7		06
SEBRING - TSI	167	2700	2.7		06
TC MASERATI	135		2.2	DOHC	89-90
	181	2972	3.0	Mits 6G72	90-91
TOWN & COUNTRY	135		2.2	SOHC	82-88
	153	2507	2.5	SOHC	86-88
	156	2555	2.6	Mits G54B (SOHC)	82-85
	225	3687	3.7	Cast Crankshaft	78-81
	201		3.3	OHV	90-06
	230		3.8	OHV	94-05
	318		5.2		78-81
	360		5.9		78-79
	361		5.9		61-64
	383		6.3		59-71
	400		6.6		72-77
	426		7.0	(Excl. Hemi)	63
	440		7.2		68-77
TOWN & COUNTRY - LIMITED	230		3.8	OHV	06
TOWN & COUNTRY - LX	201		3.3	OHV	96-06
	230		3.8	OHV	96-98

CHRYSLER MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
TOWN & COUNTRY -					
LXI	201		3.3	OHV	01
	230		3.8	OHV	96-98
TOWN & COUNTRY -					
SX	201		3.3	OHV	97-98
	230		3.8	OHV	97-98
TOWN & COUNTRY -					
TOURING	230		3.8	OHV	06
VOYAGER	148	2429	2.4	DOHC	00-02
VOYAGER	181	2972	3.0	Mits 6G72	00
	201		3.3	OHV	00-03
VOYAGER - LX	201		3.3	OHV	01
VOYAGER - SE	201		3.3	OHV	00
WINDSOR	383		6.3		59-61

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
122 1996cc (2.0) 16V DOHC			**C L4**	**87.5mm x 83mm**	**Connecting Rod 20 ft.lbs + 90 deg**				
122 1996cc (2.0) 16V DOHC			**Y L4**	**87.5mm x 83mm**	**Main Bearing 22 ft.lbs** M8 bolts with bedplate				
122 1996cc (2.0) 16V DOHC (ECF)			**Y L4**	**87.5mm x 83mm**	**Main Bearing 30 ft.lbs + 90 deg** M10 bolts only				
					Main Bearing 40 ft.lbs M10 bolts with bedplate				
					Main Bearing 60 ft.lbs M11 bolts only				
	Rod								
4B1635P Std. .25 .50 .75 1.0		47.991/1.8894 48.006/1.8900	50.991/2.0075 51.006/2.0081	1.490/0.0587	.005/.0002 .061/.0024	20.50/0.807	F780	8	7171 IH
	Rod - .002" oversize OD version of 4B1635P.								
4B1635PO/S2 Std. .25 .50 .75		47.991/1.8894 48.006/1.8900	51.041/2.0095 51.056/2.0101	1.640/0.0646 (@ .25 mm u/s)	.005/.0002 .061/.0024	20.50/0.807	F780	8	9091 IH
	Main - suits engines from 1996 on.								
5M2028P Std. .25 .50 .75	1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	19.96/0.786	F780	8	4342 U/L
	3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	26.26/1.034	F780	2	4343 U/L
	Overflange length remains constant for standards and undersizes.								
	Main - .002" oversize OD version of 5M2028P.								
5M2028PO/S2 .25 .50 .75	1,2,4,5	51.991/2.0469 52.006/2.0475	56.048/2.2066 56.058/2.2070	2.011/0.0792 (@ STD u/s)	.018/.0007 .071/.0028	19.96/0.786	F780	8	9093 U/L
	3 (FI)	51.991/2.0469 52.006/2.0475	56.048/2.2066 56.058/2.2070	2.011/0.0792 (@ STD u/s)	.018/.0007 .071/.0028	26.26/1.034	F780	2	9094 U/L
	Overflange length remains constant for standards and undersizes.								
	Main - 1995 engines only (opposite tang position in lower half).								
5M4372P Std. .25 .50 .75	1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	19.96/0.786	F780	4	4372 L
	1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	19.96/0.786	F780	4	4342 U
	3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	26.26/1.034	F780	1	4373 L
	3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	26.26/1.034	F780	1	4343 U
2 ENGINE			**VIN CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
135 (2.2) DOHC Turbo			**A L4**	**87.5mm x 92mm**	**Connecting Rod 40 ft.lbs/54 Nm + 1/4 turn**				
135 (2.2) SOHC Turbo			**A L4**	**87.5mm x 92mm**	**Main Bearing 30 ft.lbs/41 Nm + 1/4 turn**				
135 (2.2) SOHC			**B L4**	**87.5mm x 92mm**					
135 (2.2) SOHC			**C L4**	**87.5mm x 92mm**					
135 (2.2) SOHC Turbo			**C L4**	**87.5mm x 92mm**					
135 (2.2) SOHC			**D L4**	**87.5mm x 92mm**					
135 (2.2) SOHC Turbo			**E L4**	**87.5mm x 92mm**					
135 (2.2) DOHC Turbo			**P L4**	**87.5mm x 92mm**					
135 (2.2) DOHC Turbo			**R L4**	**87.5mm x 92mm**					
153 2507cc (2.5) SOHC Turbo			**J L4**	**87.5mm x 104mm**					
153 2507cc (2.5) SOHC			**K L4**	**87.50 x 104mm**					
153 2507cc (2.5) SOHC			**K L4**	**87.5mm x 104mm**					
	Rod								
4B1269P Std. 10 20 30 40		49.980/1.9677 50.005/1.9687	52.989/2.0862 53.007/2.0869	1.483/0.0584	.018/.0007 .087/.0034	20.04/0.789	F780	8	4360 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 2
Main - All engines									
1,2,4,5	59.987/2.3617 60.013/2.3627	63.990/2.5193 64.008/2.5200	1.976/0.0778	.025/.0010 .095/.0037	21.46/0.845	F780	8	4358 IH	**5M1533P** Std. 10 20 30 40
3 (FI)	59.987/2.3617 60.013/2.3627	63.990/2.5193 64.008/2.5200	1.976/0.0778	.025/.0010 .095/.0037	27.86/1.097	F780	2	4359 IH	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 5M1533P with +0.010" overflange length increase. *See below for dimensional information.									
1,2,4,5	59.987/2.3617 60.013/2.3627	63.990/2.5193 64.008/2.5200	1.976/0.0778	.025/.0010 .095/.0037	21.46/0.845	F780	8	4358 IH	**5M4369P** 10 20 30 40
3 (FI)	59.987/2.3617 60.013/2.3627	63.990/2.5193 64.008/2.5200	1.976/0.0778	.025/.0010 .095/.0037	28.12/1.107	F780	2	4369 IH	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M4369P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.107"	+0.010"
.020" u/s shaft	1.107"	+0.010"
.030" u/s shaft	1.107"	+0.010"
.040" u/s shaft	1.107"	+0.010"

Balance Shaft - 2.5L engines only (semi-finished)									
	42.012/1.6540 (Nominal)	45.350/1.7854 45.410/1.7878	2.032/0.0800 (Semi)		22.10/0.870	F23	2	PDG-29-1	**2BS1403S** Semi
Balance Shaft - 2.2L engines only.									
1	42.670/1.6799 42.695/1.6809	45.970/1.8098 46.030/1.8122	1.633/0.0643		19.05/0.750	F23	1	PDG-26-1	**2C026S** Std.
2	19.670/0.7744 19.693/0.7753	22.970/0.9043 23.030/0.9067	1.633/0.0643		21.08/0.830	F23	1	PDG-26-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2351cc (2.4) Mits 4G64	**G**	**L4**	**86.5mm x 100mm**		3

Rod									
	44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.493/0.0588	.016/.0006 .078/.0031	21.10/0.831	F810	8	1185A IH	**4B1185** Std. .25 .50 .75 1.0
Main									
1-5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	10	1186A U/L	**5M1219** Std. .25 .50 .75 1.0
Thrust									
	63.100/2.4842 63.350/2.4941 (I.D.)	80.500/3.1693 80.750/3.1791 (O.D.)			2.11/0.083	F250	2	1219T IH	**1T1219** Std.
Note : Set contains two pieces. Required with 5M1219 main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
148 2429cc (2.4) DOHC	**B**	**L4**	**87.5mm x 101mm**	**Connecting Rod 21 ft.lbs/28 Nm + 90 deg turn**	4
148 2429cc (2.4) DOHC	**X**	**L4**	**87.5mm x 101mm**	**Main Bearing 25 ft.lbs/34 Nm** (M8 Bedplate Bolts)	
148 2429cc (2.4) DOHC (EDZ)	**X**	**L4**	**87.5mm x 101mm**	**Main Bearing 30 ft.lbs/41 Nm + 90 deg turn** (M11 Main Cap Bolts)	

Rod									
	50.007/1.9688 50.025/1.9695	52.995/2.0864 53.007/2.0869	1.483/0.0584	.004/.0002 .060/.0024	20.13/0.793	F780	8	4565 IH	**4B4565P** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 4B4565P.									
	50.007/1.9688 50.025/1.9695	53.045/2.0884 53.057/2.0889	1.633/0.0643 (@ 0.25 mm u/s)	.004/.0002 .060/.0024	20.13/0.793	F780	8	9096 IH	**4B4565PO/S2** .25 .50 .75 1.0
Main									
1,2,4,5	59.992/2.3619 60.007/2.3625	64.000/2.5197 64.013/2.5202	1.984/0.0781	.018/.0007 .058/.0023	21.62/0.851	F780	8	7312 IH	**5M7313P** Std. .25 .50 .75
3 (FI)	59.992/2.3619 60.007/2.3625	64.000/2.5197 64.013/2.5202	1.984/0.0781	.017/.0007 .058/.0023	27.86/1.097	F780	2	7313 U/L	
Overflange length remains constant for standard and undersizes.									

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
4 (Cont'd.)									
	Main - .002" oversize OD version of 5M7313P.								
5M7313PO/S2 .25 .50 .75	1,2,4,5	50.992/2.0076 60.007/2.3625	64.051/2.5217 64.063/2.5222	2.134/0.0840 (@ 0.25mm u/s)	.018/.0007 .058/.0023	21.62/0.851	F780	8	9097 IH
	3 (FI)	59.992/2.3619 60.007/2.3625	64.051/2.5217 64.063/2.5222	2.134/0.0840 (@ 0.25mm u/s)	.017/.0007 .058/.0023	27.86/1.097	F780	2	9098 U/L
	Overflange length remains constant for standard and undersizes.								

5 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
152 2497cc (2.5) Mits 6G73	**H**	**V6**	**83.5mm x 76mm**	**Connecting Rod 38 ft.lbs/52 Nm**
152 2497cc (2.5) Mits 6G73	**N**	**V6**	**83.5mm x 76mm**	**Main Bearings 60 ft.lbs/81 Nm**
152 2497cc (2.5) Mits 6G73 (EEB)	**H**	**V6**	**83.5mm x 76mm**	
152 2497cc (2.5) Mits 6G73 (EEB)	**N**	**V6**	**83.5mm x 76mm**	

	Rod								
6B1140 Std. .25 .50 .75 1.0		49.972/1.9674 50.000/1.9685	53.000/2.0866 53.020/2.0874	1.493/0.0588	.015/.0006 .089/.0035	15.50/0.610	F810	12	1140A IH
	Main								
4M1149 Std. .25 .50 .75 1.0	1-4	59.980/2.3614 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.988/0.0783	.020/.0008 .086/.0034	18.13/0.714	F810	8	1149A U/L
	Thrust								
2T1149 Std.	3	66.000/2.5984 66.250/2.6083	77.450/3.0492 77.700/3.0590			1.98/0.078	F817	4	1149T U/L
	Note: Set includes 4 pieces, use on No. 3 position. Required with 4M1149 main set.								

6 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
156 2555cc (2.6) Mits G54B (SOHC)	**D**	**L4**	**91.1mm x 98mm**	**Connecting Rod 32-35 ft.lbs/44-47 Nm** **Main Bearing 55-61 ft.lbs/74-83 Nm**
156 2555cc (2.6) Mits G54B (SOHC)	**G**	**L4**	**91.1mm x 98mm**	
156 2555cc (2.6) Mits G54B (SOHC) Turbo	**H**	**L4**	**91.1mm x 98mm**	
156 2555cc (2.6) Mits G54B (SOHC) Turbo	**N**	**L4**	**91.1mm x 98mm**	

	Rod								
4B1136 Std. .25 .50 .75 1.0		52.973/2.0855 53.000/2.0866	56.007/2.2050 56.021/2.2055	1.493/0.0588	.021/.0008 .076/.0030	25.13/0.989	F820	8	1136AL IH
	Main - for engines with 60mm/2.3622" main journal diameter only.								
5M1139 Std. .25 .50 .75 1.0	1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U
	1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L
	3 (FI)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	30.95/1.219	F820	2	1135AL IH
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 5M1139 with overflange width increases for undersizes. *See below for dimensional information.								
5M1143 .25 .50 .75 1.0	1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U
	1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L
	3 (FI)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	(See Table)	F820	2	1143AL IH

*** DIMENSIONAL INFORMATION FOR 5M1143**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.223"/31.05mm	+0.004"/0.10mm
0.50 mm u/s shaft	1.226"/31.13mm	+0.007"/0.18mm
0.75 mm u/s shaft	1.229"/31.21mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.232"/31.29mm	+0.013"/0.34mm

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 6
Balance Shaft - repair bushing. Single piece +.173" OD. Line bore housing to 1.985"-1.986".									
	43.009/1.6933 43.025/1.6939	50.419/1.9850 50.444/1.9860	3.680/0.1450	.025/.0010 .089/.0035	20.24/0.797	F23	1	8288 OOD	**1BS8288** Std.
Balance Shaft - with grooved #2 & #3 position bearings.									
2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8288	**3BS8288** Std. .25
1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289	
Balance Shaft - without grooved #2 & #3 position bearings.									
2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8369	**3BS8369** Std. .25
1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289	
Cam Tower - Includes oil holes for upper position and wide bearings for #1 position.Line bore tunnel to 1.4966"/1.4976" (38.014/38.038mm).Set includes modified upper rear main bearing.)									
1	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	22.96/0.904	F23	2	SC762 U/L	**5SC761** Std.
2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC761 U	
2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC760 L	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	7
167 2700cc (2.7)	**R**	**V6**	**86mm x 78.5mm**	**Connecting Rod 20 ft.lbs + 90 deg**	
167 2700cc (2.7)	**T**	**V6**	**86mm x 78.5mm**	**Main Bearing 15 ft.lbs + 90 deg** Inner	
167 2700cc (2.7)	**U**	**V6**	**86mm x 78.5mm**	**Main Bearing 20 ft.lbs 90 deg** Outer	
167 2700cc (2.7) (EER)	**R**	**V6**	**86mm x 78.5mm**		

Rod - High Strength Aluminum Silicon material.									
	53.492/2.1060 53.510/2.1067	56.493/2.2241 56.507/2.2247	1.487/0.0585	.009/.0004 .067/.0026	17.38/0.684	F810	12	7170A IH	**6B7170A** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 6B7170A.									
	53.492/2.1060 53.510/2.1067	56.543/2.2261 56.557/2.2266	1.637/0.0644 (@ 0.25mm u/s)	.009/.0004 .067/.0026	17.38/0.684	F810	12	9101A IH	**6B7170AO/S2** .25 .50 .75 1.0
Rod									
	53.492/2.1060 53.510/2.1067	56.493/2.2241 56.507/2.2247	1.487/0.0585	.009/.0004 .067/.0026	17.38/0.684	F780	12	7170 IH	**6B7170P** Std. .25 .50 .75 1.0
To be superceded by 6B7170A.									
Rod - .002" oversize OD version of 6B7170P.									
	53.492/2.1060 53.510/2.1067	56.543/2.2261 56.557/2.2266	1.637/0.0644 (@ 0.25mm u/s)	.009/.0004 .067/.0026	17.38/0.684	F780	12	9101 IH	**6B7170PO/S2** .25 .50 .75 1.0
To be superceded by 6B7170AO/S2.									
Main									
1-4	63.492/2.4997 63.510/2.5004	68.993/2.7163 69.010/2.7169	2.740/0.1079	.003/.0001 .064/.0025	18.70/0.736	F780	8	7172 U/L	**4M7172P** Std. .25 .50 .75 1.0
Thrust									
	71.100/2.7992 71.350/2.8090 (ID)	90.190/3.5508 90.440/3.5606 (OD)			2.06/0.081	F817	2	7172T U	**1T7172** Std. +.25
Note : Set includes two pieces, use on No. 3 position. Required with 4M7172P main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	8
225 Forged Crankshaft		**L6**	**3.40 x 4.13**	**Connecting Rod 45 ft.lbs/61 Nm** **Main Bearing 85 ft.lbs/115 Nm**	

Rod									
	55.537/2.1865 55.563/2.1875	58.737/2.3125 58.750/2.3130	1.578/0.0621	.018/.0007 .073/.0029	25.14/0.990	F820	12	4601AL IH	**6B606AL** Std. 10 20 30 40

CHRYSLER

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
8 (Cont'd.)									
	Main - Alternate set to 4M517AL with +.010" overflange width increase. *See below for dimensional information.								
4M4625AL 20	1,2,4	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.428/0.0956	.021/.0008 .075/.0030	26.39/1.039	F820	6	4602AL U/L
	3 (F)	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.432/0.0957	.016/.0006 .067/.0026	32.13/1.265	F820	2	4625AL U/L
	Stock not available from fee warehouses.								
	*** DIMENSIONAL INFORMATION FOR 4M4625AL**								
		.020" u/s shaft			**Overall Width (Nominal)** 1.265"	**Increase in Width** +0.010"			
	Main								
4M517AL Std. 10 20 30 40	1,2,4	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.428/0.0956	.021/.0008 .075/.0030	26.39/1.039	F820	6	4602AL U/L
	3 (FI)	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.432/0.0957	.016/.0006 .067/.0026	31.88/1.255	F820	2	4605AL U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
4C874S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		23.49/0.925	F23	1	PD-18-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.18/0.755	F23	1	PD-13-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-13-4
	Small End - semi finished - single pieces.								
RB2134Y Semi		25.009/0.9846 (Finish ID Bore Size)	26.378/1.0385 (Nominal)			30.48/1.200	F100	1	2134Y

9 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
181 2972cc (3.0) Mits 6G72	**3**	**V6**	**91.2mm x 76mm**	**Connecting Rod 38 ft.lbs/52 Nm**
181 2972cc (3.0) Mits 6G72	**H**	**V6**	**91.2mm x 76mm**	**Main Bearing 60 ft.lbs/81 Nm**
181 2972cc (3.0) Mits 6G72	**S**	**V6**	**91.2mm x 76mm**	

	Rod								
6B1140 Std. .25 .50 .75 1.0		49.972/1.9674 50.000/1.9685	53.000/2.0866 53.020/2.0874	1.493/0.0588	.015/.0006 .089/.0035	15.50/0.610	F810	12	1140A IH
	Main								
4M1149 Std. .25 .50 .75 1.0	1-4	59.980/2.3614 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.988/0.0783	.020/.0008 .086/.0034	18.13/0.714	F810	8	1149A U/L
	Thrust								
2T1149 Std.	3	66.000/2.5984 66.250/2.6083	77.450/3.0492 77.700/3.0590			1.98/0.078	F817	4	1149T U/L
	Note: Thrust set includes 4 pieces, use on No. 3 position. Required with 4M1149 main set.								

10 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
197 3200cc (3.2) SOHC (EGW)	**J**	**V6**	**92mm x 81mm**	**Connecting Rod 40 ft.lbs + 90 deg**
215 3497cc (3.5) SOHC (Aluminum Block)	**4**	**V6**	**96.01mm x 81mm**	**Main Bearing 15 ft.lbs + 90 deg** Inner (3.2L engines) **Main Bearing 20 ft.lbs + 90 deg** Outer (3.2L engines)
215 3497cc (3.5) SOHC (Aluminum Block)	**G**	**V6**	**96.01mm x 81mm**	**Main Bearing 15 ft.lbs + 90 deg** 3.5L engines **Main Bearing 20 ft.lbs + 90 deg** 3.5L engines (Tray)
215 3497cc (3.5) SOHC (Aluminum Block)	**K**	**V6**	**96.01mm x 81mm**	**Main Bearing 21 ft.lbs** 3.5L engines (Side Bolts)
215 3497cc (3.5) SOHC (Aluminum Block)	**M**	**V6**	**96.01mm x 81mm**	

	Rod - High Strength Aluminum Silicon material.								
6B1410A Std. .25 .50 .75 1.0		57.988/2.2830 58.014/2.2840	60.993/2.4013 61.006/2.4018	1.483/0.0584	.013/.0005 .068/.0027	16.54/0.651	F810	12	1470A IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 10
Main									
1-4	63.988/2.5192 64.013/2.5202	68.989/2.7161 69.009/2.7169	2.485/0.0978	.018/.0007 .056/.0022	17.58/0.692	F780	12	7182 U/L	**4M7182P** Std. .25 .50 .75 1.0
Thrust									
	71.100/2.7992 71.350/2.8090 (ID)	90.190/3.5508 90.440/3.5606 (OD)			2.06/0.081	F817	2	7172T U	**1T7172** Std. +.25

Note: Thrust set includes 2 pieces, use on No. 2 position. Required with 4M7182P main set.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 11
201 (3.3) OHV	**3**	**V6**	**93mm x 81mm**	**Connecting Rod 40 ft.lbs/54 Nm + 1/4 turn**
201 (3.3) OHV	**G**	**V6**	**93mm x 81mm**	**Main Bearing 30 ft.lbs/41 Nm + 1/4 turn**
201 (3.3) OHV	**R**	**V6**	**93mm x 81mm**	
201 (3.3) OHV	**T**	**V6**	**93mm x 81mm**	
201 (3.3) OHV	**U**	**V6**	**93mm x 81mm**	
201 (3.3) OHV (EGB)	**T**	**V6**	**93mm x 81mm**	
201 (3.3) OHV (EGM)	**G**	**V6**	**93mm x 81mm**	
230 (3.8) OHV	**L**	**V6**	**96mm x 87mm**	

Rod - High Strength Aluminum Silicon material.									
	57.988/2.2830 58.014/2.2840	60.993/2.4013 61.006/2.4018	1.483/0.0584	.013/.0005 .068/.0027	16.54/0.651	F810	12	1470A IH	**6B1410A** Std. .25 .50 .75 1.0
Main - Alternate set to 4M1946P with +0.010" overflange length increase. *See below for dimensional information.									
1,3,4	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.49/0.964	F780	6	1948 U/L	**4M1958P** .25 .50 .75 1.0
2 (FI)	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.13/0.950	F780	2	1958 U/L	

To be discontinued once stock is exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1958P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.950"	+0.010"
0.50 mm u/s shaft	0.950"	+0.010"
0.75 mm u/s shaft	0.950"	+0.010"
1.00 mm u/s shaft	0.950"	+0.010"

Main - Supercedes 4M1946P. High Strength Aluminum Silicon material.									
1,2,4	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.49/0.964	F810	6	1948A U/L	**4M7278A** Std. .25 .50 .75
2 (FI)	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	23.88/0.940	F810	2	7278A U/L	

Overflange length remains constant for standard and undersizes.

Cam - supercedes 4C1405S. Set has OD groove on #2 & #3 position bearings.									
1	50.724/1.9970 50.775/1.9990	54.089/2.1295 54.115/2.1305	1.643/0.0647		23.75/0.935	F23	1	PD-28-1	**4C1405BS** Std.
2	50.292/1.9800 50.343/1.9820	53.683/2.1135 53.708/2.1145	1.659/0.0653		15.62/0.615	F23	1	PD-28-2B	
3	49.911/1.9650 49.962/1.9670	53.302/2.0985 53.327/2.0995	1.659/0.0653		15.62/0.615	F23	1	PD-28-3B	
4	49.530/1.9500 49.581/1.9520	52.896/2.0825 52.921/2.0835	1.643/0.0647		15.62/0.615	F23	1	PD-28-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 12
215 3497cc (3.5) SOHC (Cast Iron Block)	**F**	**V6**	**96mm x 81mm**	**Connecting Rod 40 ft.lbs/54 Nm + 1/4 turn** **Main Bearing 30 ft.lbs/41 Nm + 1/4 turn**
215 3497cc (3.5) SOHC (Cast Iron Block) (EGE)	**F**	**V6**	**96mm x 81mm**	

Rod - High Strength Aluminum Silicon material.									
	57.988/2.2830 58.014/2.2840	60.993/2.4013 61.006/2.4018	1.483/0.0584	.013/.0005 .068/.0027	16.54/0.651	F810	12	1470A IH	**6B1410A** Std. .25 .50 .75 1.0

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
12 (Cont'd.)									
	Main								
4M2010P Std. .25 .50 .75	1,3,4	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.49/0.964	F780	6	MB3340P U/L
	2 (Fl)	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	28.70/1.130	F780	2	MB3471P U/L
	Overflange length remains constant for standard and undersizes.								

13 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
225 3687cc (3.7) Cast Crankshaft	**C**	**L6**	**3.40 x 4.13**	**Connecting Rod 45 ft.lbs/61 Nm**
225 3687cc (3.7) Cast Crankshaft	**D**	**L6**	**3.40 x 4.13**	**Main Bearing 85 ft.lbs/115 Nm**
225 3687cc (3.7) Cast Crankshaft	**E**	**L6**	**3.40 x 4.13**	
225 3687cc (3.7) Cast Crankshaft	**F**	**L6**	**3.40 x 4.13**	
225 3687cc (3.7) Cast Crankshaft	**G**	**L6**	**3.40 x 4.13**	
225 3687cc (3.7) Cast Crankshaft	**H**	**L6**	**3.40 x 4.13**	
225 3687cc (3.7) Cast Crankshaft	**K**	**L6**	**3.40 x 4.13**	

	Rod								
6B1214AL Std. 10 20 30 40		55.537/2.1865 55.563/2.1875	58.738/2.3125 58.750/2.3130	1.584/0.0624	.018/.0007 .071/.0028	18.29/0.720	F780	12	1214 IH
	Main								
4M1419AL Std. 10 20 30 40	1,2,4	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.435/0.0959	.013/.0005 .066/.0026	22.44/0.883	F780	6	2724 U/L
	3 (Fl)	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.435/0.0959	.013/.0005 .066/.0026	28.14/1.108	F780	2	2725 U/L
	Overflange length remains constant for standards and undersizes.								
	Main - Alt set to 4M1419AL with +0.010" overflange length increase. * See below for dimensional information.								
4M2723P 40	3 (Fl)	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.435/0.0959	.013/.0005 .066/.0026	28.39/1.118	F780	2	2723 U/L
	1,2,4	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.435/0.0959	.013/.0005 .066/.0026	22.44/0.883	F780	6	2724 U/L
	To be discontinued once stock is exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M2723P**		
	Overall Width (Nominal)	**Increase in Width**
.040" u/s shaft	1.118"	+0.010"

	Cam - engines from 1979-1983.								
4C1115S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.625/0.0640		19.94/0.785	F23	1	PD-21-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.625/0.0640		16.00/0.630	F23	1	PD-21-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.625/0.0640		16.00/0.630	F23	1	PD-21-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-13-4
	Cam - 1978 engines only.								
4C874S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		23.49/0.925	F23	1	PD-18-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.18/0.755	F23	1	PD-13-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-13-4
	Small End - semi finished - single pieces.								
RB2134Y Semi		25.009/0.9846 (Finish ID Bore Size)	26.378/1.0385 (Nominal)			30.48/1.200	F100	1	2134Y

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**14**
318 (5.2)		**G**	**V8**	**3.91 x 3.31**	**Connecting Rod 45-50 ft.lbs/61-68 Nm**				
318 (5.2)		**H**	**V8**	**3.91 x 3.31**	**Main Bearing 85-90 ft.lbs/115-122 Nm**				
318 (5.2)		**J**	**V8**	**3.91 x 3.31**					
318 (5.2)		**K**	**V8**	**3.91 x 3.31**					
318 (5.2)		**L**	**V8**	**3.91 x 3.31**					
318 (5.2)		**M**	**V8**	**3.91 x 3.31**					
318 (5.2)		**N**	**V8**	**3.91 x 3.31**					
318 (5.2)		**P**	**V8**	**3.91 x 3.31**					
Rod									
	53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.005/.0002 .069/.0027	21.52/0.847	F780	16	2700 IH	**8B481P** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 8B481P.									
	53.950/2.1240 53.975/2.1250	57.201/2.2520 57.214/2.2525	1.737/0.0684 (@ .010" u/s)	.006/.0002 .070/.0028	21.52/0.847	F780	16	9090 IH	**8B481PO/S2** 10 20 30 40
Main - flange O.D. 3.530"									
1,2,4	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	22.27/0.877	F780	6	4352 U/L	**5M1344P** Std. 01 10 20 30 40
3 (Fl)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.025/.0010 .089/.0035	29.26/1.152	F780	1	2703 U	
3 (Fl)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.025/.0010 .089/.0035	29.26/1.152	F780	1	4357 L	
5	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	33.70/1.327	F780	2	4354 U/L	
Overflange length remains constant for standard and undersizes.									
Cam - engines from 1980 on.									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1	**5C1112S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		16.00/0.630	F23	1	PD-25-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		15.75/0.620	F23	1	PD-25-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		15.75/0.620	F23	1	PD-25-4	
5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5	
Cam - engines from 1975-1979.									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1	**5C875S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.43/0.765	F23	1	PD-9-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.43/0.765	F23	1	PD-9-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.43/0.765	F23	1	PD-9-4	
5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**15**
345 (5.7) Hemi		**H**	**V8**	**99.5mm x 90.9mm**	**Connecting Rod 15 ft.lbs + 90 deg** **Main Bearing 20 ft.lbs + 90 deg** M12 Bolts **Main Bearing 21 ft.lbs** M8 Crossbolts				
Rod									
	53.993/2.1257 54.008/2.1263	57.206/2.2522 57.219/2.2527	1.590/0.0626	.018/.0007 .062/.0024	20.10/0.791	F810	16	7211A IH	**8B1808A** Std. .25 .50
Rod - .002" oversize OD version of 8B1808A.									
	53.993/2.1257 54.008/2.1263	57.257/2.2542 57.270/2.2547	1.740/0.0685 (@0.25mm u/s)	.018/.0007 .082/.0032	20.10/0.791	F810	16	9112A IH	**8B1808AO/S2** .25 .50 .75
Main									
1-5	64.996/2.5589 65.004/2.5592	69.893/2.7517 69.906/2.7522	2.439/0.0960	.010/.0004 .048/.0019	21.60/0.850	F810	10	7216A U/L	**5M2220A** Std. .25 .50

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
15 (Cont'd.)									
	Thrust								
1T611S Std.	3	72.644/2.8600 (ID) 73.152/2.8800	93.370/3.6760 (OD)	2.586/0.1018				2	MB3780W U
	Set includes two pieces, use on No. 3 position. Required with 5M2220A main set.								

16 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
361 (5.9)		**V8**	**4.12 x 3.38**	**Connecting Rod 45 ft.lbs/61 Nm**
383 (6.3)		**V8**	**4.25 x 3.38**	**Main Bearing 85 ft.lbs/115 Nm**
383 (6.3)	**G**	**V8**	**4.25 x 3.38**	
383 (6.3)	**H**	**V8**	**4.25 x 3.38**	
383 (6.3)	**L**	**V8**	**4.25 x 3.38**	
383 (6.3)	**N**	**V8**	**4.25 x 3.38**	
400 (6.6)	**M**	**V8**	**4.34 x 3.38**	
400 (6.6)	**N**	**V8**	**4.34 x 3.38**	
400 (6.6)	**P**	**V8**	**4.34 x 3.38**	

	Rod								
8B527P Std. 10 20 30 40		60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.582/0.0623	.011/.0004 .075/.0030	23.67/0.932	F780	16	2466 IH
	Main - flange O.D. 3.450".								
5M876P Std. 10 20 30 40	1,2,4,5	66.662/2.6245 66.688/2.6255	71.565/2.8175 71.577/2.8180	2.435/0.0959	.021/.0008 .085/.0033	24.10/0.949	F780	8	2467 U/L
	3 (Fl)	66.662/2.6245 66.688/2.6255	71.565/2.8175 71.577/2.8180	2.435/0.0959	.019/.0007 .083/.0033	31.09/1.224	F780	2	2468 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C876S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		19.18/0.755	F23	1	PD-17-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		17.12/0.674	F23	1	PD-12-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-12-4
	5	44.400/1.7480 44.425/1.7490	47.740/1.8795 47.765/1.8805	1.638/0.0645		19.18/0.755	F23	1	PD-12-5

17 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
360 (5.9)	**J**	**V8**	**4.00 x 3.58**	**Connecting Rod 45 ft.lbs/61 Nm**
360 (5.9)	**K**	**V8**	**4.00 x 3.58**	**Main Bearing 85 ft.lbs/115 Nm**
360 (5.9)	**L**	**V8**	**4.00 x 3.58**	

	Rod								
8B481P Std. 01 10 20 30 40		53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.005/.0002 .069/.0027	21.52/0.847	F780	16	2700 IH
	Rod - .002" oversize OD version of 8B481P.								
8B481PO/S2 10 20 30 40		53.950/2.1240 53.975/2.1250	57.201/2.2520 57.214/2.2525	1.737/0.0684 (@ .010" u/s)	.006/.0002 .070/.0028	21.52/0.847	F780	16	9090 IH
	Main - flange O.D. 3.680" for 1971-73 engines.								
5M1051P Std. 10 20 30 40	1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	22.28/0.877	F780	6	2707 U/L
	3 (Fl)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	29.26/1.152	F780	2	2708 U/L
	5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L
	Overflange length remains constant for standards and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 17
Main - flange O.D. 3.910" for engines 1974 on.									
1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	22.28/0.877	F780	6	2705 IH	**5M1266P** Std. 01 10 20 30
3 (FI)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	29.26/1.152	F780	2	2706 U/L	
5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L	
Overflange length remains constant for standards and undersizes.									
Main - Alt set to 5M1266P with +0.010" overflange length increase. * See below for dimensional information.									
1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.558/0.1007 (@ .010" u/s)	.015/.0006 .079/.0031	22.28/0.877	F780	6	2705 IH	**5M2715P** 10 20 30 40
3 (FI)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.558/0.1007 (@ .010" u/s)	.015/.0006 .079/.0031	29.52/1.162	F780	2	2715 U/L	
5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.558/0.1007 (@ .010" u/s)	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M2715P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.162"	+0.010"
.020" u/s shaft	1.162"	+0.010"
.030" u/s shaft	1.162"	+0.010"
.040" u/s shaft	1.162"	+0.010"

Cam - engines from 1980 on.									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1	**5C1112S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		16.00/0.630	F23	1	PD-25-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		15.75/0.620	F23	1	PD-25-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		15.75/0.620	F23	1	PD-25-4	
5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5	
Cam - engines from 1971-1979.									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1	**5C875S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.43/0.765	F23	1	PD-9-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.43/0.765	F23	1	PD-9-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.43/0.765	F23	1	PD-9-4	
5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 18
383 (6.4)		**V8**	**4.03 x 3.75**	**Connecting Rod 45 ft.lbs/61 Nm**
413		**V8**	**4.19 x 3.75**	**Main Bearing 85 ft.lbs/115 Nm**
426 (7.0) (Excl. Hemi)		**V8**	**4.25 x 3.75**	
440 (7.2)		**V8**	**4.32 x 3.75**	
440 (7.2)	**K**	**V8**	**4.32 x 3.75**	
440 (7.2)	**L**	**V8**	**4.32 x 3.75**	
440 (7.2)	**T**	**V8**	**4.32 x 3.75**	
440 (7.2)	**U**	**V8**	**4.32 x 3.75**	

Rod									
	60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.582/0.0623	.011/.0004 .075/.0030	23.67/0.932	F780	16	2466 IH	**8B527P** Std. 10 20 30 40

CHRYSLER

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
18 (Cont'd.)									
	Main - for 1974-78 engines.								
5M1277P Std. 10 20 30	1,2,4,5	69.837/2.7495 69.863/2.7505	74.739/2.9425 74.752/2.9430	2.428/0.0956	.028/.0011 .091/.0036	24.10/0.949	F780	8	MB2067P U/L
	3 (Fl)	69.837/2.7495 69.863/2.7505	74.739/2.9425 74.752/2.9430	2.428/0.0956	.028/.0011 .091/.0036	31.09/1.224	F780	2	MB2625P U/L
	Overflange length remains constant for standard and oversizes.								
	Main - Alt set to 5M877P with +0.010" overflange length increase. * See below for dimensional information.								
5M4366P 20 30 40	1,2,4,5	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.682/0.1056 (@ .020" u/s)	.028/.0011 .091/.0036	24.10/0.949	F780	8	4362 U/L
	3 (Fl)	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.682/0.1056 (@ .020" u/s)	.028/.0011 .091/.0036	31.34/1.234	F780	2	4366 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M4366P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.234"	+0.010"
.030" u/s shaft	1.234"	+0.010"
.040" u/s shaft	1.234"	+0.010"

	Main - flange O.D. 3.624" for 1959-73.								
5M877P Std. 10 20 30 40	1,2,4,5	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.430/0.0956	.028/.0011 .091/.0036	24.10/0.949	F780	8	4362 U/L
	3 (Fl)	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.430/0.0956	.028/.0011 .091/.0036	31.09/1.224	F780	2	4363 U/L
	Overflange length remains constant for standard and oversizes.								
	Cam								
5C876S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		19.18/0.755	F23	1	PD-17-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		17.12/0.674	F23	1	PD-12-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-12-4
	5	44.400/1.7480 44.425/1.7490	47.740/1.8795 47.765/1.8805	1.638/0.0645		19.18/0.755	F23	1	PD-12-5

19 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
426 (7.0) Hemi		**V8**	**4.25 x 3.75**	**Connecting Rod 75 ft.lbs Main Bearing 100 ft.lbs**

	Rod								
8B527P Std. 10 20 30 40		60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.582/0.0623	.011/.0004 .075/.0030	23.67/0.932	F780	16	2466 IH
	Main								
5M896P Std. 10	1,2,4,5	69.837/2.7495 69.862/2.7505	74.739/2.9425 74.752/2.9430	2.428/0.0956	.028/.0011 .914/.0360	24.10/0.949	F780	8	MB2219P
	3 (Fl)	69.837/2.7495 69.862/2.7505	74.739/2.9425 74.752/2.9430	2.428/0.0956	.028/.0011 .914/.0360	31.09/1.224	F780	2	MB2495P
	Overflange length remains constant for standard and oversizes.								
	Cam								
5C876S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		19.18/0.755	F23	1	PD-17-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		17.12/0.674	F23	1	PD-12-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-12-4
	5	44.400/1.7480 44.425/1.7490	47.740/1.8795 47.765/1.8805	1.638/0.0645		19.18/0.755	F23	1	PD-12-5

CHRYSLER PERFORMANCE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
273 (4.5)			V8	64-69	1
318 (5.2)			V8	57-03	1
340			V8	68-73	1
345 (5.7)	Hemi		V8	03-06	3
350			V8	58-58	2
360 (5.9)			V8	71-03	1
361			V8	58-77	2
383			V8	61-71	4
400			V8	72-80	2
413			V8	59-73	5
426	Hemi		V8	64-71	5
440			V8	66-73	5

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
273 (4.5)			**V8**	**3.625 x 3.313**	**Connecting Rod 45-50 ft.lbs/61-68 Nm**				
318 (5.2)			**V8**	**3.910 x 3.313**	**Main Bearing 80-85 ft.lbs/108-115 Nm**				
340			**V8**	**4.040 x 3.313**					
360 (5.9)			**V8**	**4.000 x 3.578**					
Rod - bearing shell does not contain dowel hole.									
	53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.583/0.0623	.010/.0004 .063/.0025	21.52/0.847	F780	2	2700H U/L	**1B481H** Std. 01 10
Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.573/0.0619	.010/.0004 .069/.0027	51.52/2.028	F781	2	2700HX	**1B481HX** Std.
Main - for 360 engines from 1971-73.									
1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	22.28/0.877	F780	6	2707 U/L	**5M1051P** Std. 10 20 30 40
3 (FI)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	29.26/1.152	F780	2	2708 U/L	
5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L	
Main - for 360 engines from 1974-03.									
1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	22.28/0.877	F780	6	2705 IH	**5M1266P** Std. 01 10 20 30
3 (FI)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	29.26/1.152	F780	2	2706 U/L	
5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L	
Main - for 318 engines from 1974 on.									
1,2,4	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	22.27/0.877	F780	6	4352 U/L	**5M1344P** Std. 01 10 20 30 40
3 (FI)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.025/.0010 .089/.0035	29.26/1.152	F780	1	2703 U	
3 (FI)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.025/.0010 .089/.0035	29.26/1.152	F780	1	4357 L	
5	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	33.70/1.327	F780	2	4354 U/L	
Main - for 273 & 318 engines from 1957-73 (Half groove set).									
1,2,4	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	22.27/0.877	F780	6	4352 U/L	**5M540P** Std. 10 20 30 40
3 (FI)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	29.26/1.152	F780	2	4353 U/L	
5	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	33.70/1.327	F780	2	4354 U/L	
Overflange length remains constant for standard and undersizes.									
Main - for 340 engines from 1968-73.									
1,2,4	63.487/2.4995 63.512/2.5005	68.389/2.6925 68.402/2.6930	2.436/0.0959	.013/.0005 .076/.0030	22.27/0.877	F780	6	MB2283P U/L	**5M963P** Std. 10 20 30
3 (FI)	63.487/2.4995 63.512/2.5005	68.389/2.6925 68.402/2.6930	2.436/0.0959	.013/.0005 .065/.0026	29.26/1.152	F780	2	MB2036P U/L	
5	63.487/2.4995 63.512/2.5005	68.389/2.6925 68.402/2.6930	2.436/0.0959	.013/.0005 .065/.0026	33.70/1.327	F780	2	MB2559P U/L	

CHRYSLER PERFORMANCE

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 (Cont'd.)									
	Cam - for 1979-03 engines only.								
5C1112S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		16.00/0.630	F23	1	PD-25-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		15.75/0.620	F23	1	PD-25-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		15.75/0.620	F23	1	PD-25-4
	5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5
	Cam - for 1957-78 engines only.								
5C875S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.43/0.765	F23	1	PD-9-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.43/0.765	F23	1	PD-9-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.43/0.765	F23	1	PD-9-4
	5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5

2 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
350		**V8**	**4.063 x 3.375**	**Connecting Rod 45 ft.lbs/61 Nm**
361		**V8**	**4.125 x 3.375**	**Main Bearing 85 ft.lbs/115 Nm**
400		**V8**	**4.342 x 3.375**	

	Rod - bearing has dowel hole in cap half, and may be used in engines without dowelled connecting rods.								
1B527HD Std. 01 10		60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.580/0.0622	.016/.0006 .069/.0027	23.67/0.932	F780	2	2466HD U/L
	Rod - bearing has dowel hole in cap half, and may be used in engines without dowelled connecting rods.								
1B527HXD Std.		60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.567/0.0617		23.67/0.932	F781	2	2466HXD U/L
	Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
	Main - Full groove set.								
5M876P Std. 10 20 30 40	1,2,4,5	66.662/2.6245 66.688/2.6255	71.565/2.8175 71.577/2.8180	2.435/0.0959	.021/.0008 .085/.0033	24.10/0.949	F780	8	2467 U/L
	3 (Fl)	66.662/2.6245 66.688/2.6255	71.565/2.8175 71.577/2.8180	2.435/0.0959	.019/.0007 .083/.0033	31.09/1.224	F780	2	2468 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C876S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		19.18/0.755	F23	1	PD-17-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		17.12/0.674	F23	1	PD-12-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-12-4
	5	44.400/1.7480 44.425/1.7490	47.740/1.8795 47.765/1.8805	1.638/0.0645		19.18/0.755	F23	1	PD-12-5

3 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
345 (5.7) Hemi		**V8**	**99.5mm x 90.9mm**	**Connecting Rod 15 ft.lbs + 90 deg** **Main Bearing 20 ft.lbs + 90 deg** M12 Bolts **Main Bearing 21 ft.lbs** M8 Crossbolts

	Rod								
1B1808H Std. .025 .25		53.993/2.1257 54.008/2.1263	57.206/2.2522 57.219/2.2527	1.590/0.0626	.018/.0007 .062/.0024	20.10/0.791	F781	2	7211H U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 3
Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	53.993/2.1257 54.008/2.1263	57.206/2.2522 57.219/2.2527	1.577/0.0621	.043/.0017 .087/.0034	20.10/0.791	F781	2	7211HX U/L	**1B1808HX** Std.
Main									
1-5	64.996/2.5589 65.004/2.5592	69.893/2.7517 69.906/2.7522	2.439/0.0960	.010/.0004 .048/.0019	21.60/0.850	F780	10	7216H U/L	**5M2220H** Std. .025 .25
Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1-5	64.996/2.5589 65.004/2.5592	69.893/2.7517 69.906/2.7522	2.426/0.0955	.035/.0014 .073/.0029	21.60/0.850	F780	10	7216HX U/L	**5M2220HX** Std.
Thrust									
3	72.644/2.8600 (ID) 73.152/2.8800	93.370/3.6760 (OD)	2.586/0.1018				2	MB3780W U	**1T611S** Std.
Set includes two pieces, use on No. 3 position. Required with 5M2220H/HX main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
383		**V8**	**4.250 x 3.375**	**Connecting Rod 45 ft.lbs/61 Nm Main Bearing 85 ft.lbs/115 Nm**	4

Rod - bearing has dowel hole in cap half, and may be used in engines without dowelled connecting rods.									
	60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.580/0.0622	.016/.0006 .069/.0027	23.67/0.932	F780	2	2466HD U/L	**1B527HD** Std. 01 10
Rod - bearing has dowel hole in cap half, and may be used in engines without dowelled connecting rods.									
	60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.567/0.0617		23.67/0.932	F781	2	2466HXD U/L	**1B527HXD** Std.
Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks									
Main - Full groove set.									
1,2,4,5	66.662/2.6245 66.688/2.6255	71.565/2.8175 71.577/2.8180	2.435/0.0959	.021/.0008 .085/.0033	24.10/0.949	F780	8	2467 U/L	**5M876P** Std. 10 20 30 40
3 (FI)	66.662/2.6245 66.688/2.6255	71.565/2.8175 71.577/2.8180	2.435/0.0959	.019/.0007 .083/.0033	31.09/1.224	F780	2	2468 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		19.18/0.755	F23	1	PD-17-1	**5C876S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		17.12/0.674	F23	1	PD-12-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-12-4	
5	44.400/1.7480 44.425/1.7490	47.740/1.8795 47.765/1.8805	1.638/0.0645		19.18/0.755	F23	1	PD-12-5	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
413		**V8**	**4.188 x 3.750**	**Connecting Rod 45 ft.lbs/61 Nm**	5
426 Hemi		**V8**	**4.250 x 3.750**	**Main Bearing 85 ft.lbs/115 Nm**	
440		**V8**	**4.320 x 3.750**		

Rod - bearing has dowel hole in cap half, and may be used in engines without dowelled connecting rods.									
	60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.580/0.0622	.016/.0006 .069/.0027	23.67/0.932	F780	2	2466HD U/L	**1B527HD** Std. 01 10
Rod - bearing has dowel hole in cap half, and may be used in engines without dowelled connecting rods.									
	60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.567/0.0617		23.67/0.932	F781	2	2466HXD U/L	**1B527HXD** Std.
Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks									

CHRYSLER PERFORMANCE

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
5 (Cont'd.)									
	Main - for engines from 1959-73 (Full groove set).								
5M877P Std. 10 20 30 40	1,2,4,5	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.430/0.0956	.028/.0011 .091/.0036	24.10/0.949	F780	8	4362 U/L
	3 (Fl)	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.430/0.0956	.028/.0011 .091/.0036	31.09/1.224	F780	2	4363 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - for 426 Hemi (Full groove set).								
5M896P Std. 10	1,2,4,5	69.837/2.7495 69.862/2.7505	74.739/2.9425 74.752/2.9430	2.428/0.0956	.028/.0011 .914/.0360	24.10/0.949	F780	8	MB2219P
	3 (Fl)	69.837/2.7495 69.862/2.7505	74.739/2.9425 74.752/2.9430	2.428/0.0956	.028/.0011 .914/.0360	31.09/1.224	F780	2	MB2495P
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C876S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		19.18/0.755	F23	1	PD-17-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		17.12/0.674	F23	1	PD-12-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-12-4
	5	44.400/1.7480 44.425/1.7490	47.740/1.8795 47.765/1.8805	1.638/0.0645		19.18/0.755	F23	1	PD-12-5

DAEWOO ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
796cc (0.8).....	Matiz (F8CV)		L4	98-05	1
98 1588cc (1.6).....	C16XE	6	L4	99-02	2
2000cc (2.0).....	Family II		L4	99-00	3
2000cc (2.0).....	Family II	Z	L4	01-02	3
2200cc (2.2).....	X22SE		L4	99-00	4
2200cc (2.2).....	X22SE	2	L4	01-02	4

DAEWOO MODEL INDEX

Model	CID	cc	Liter	Description	Years
LANOS	98	1588	1.6	C16XE	99-02
LEGANZA		2200	2.2	X22SE	99-02
NUBIRA		2000	2.0	Family II	99-02

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
796cc (0.8) Matiz (F8CV)			**L4**	**68.5mm x 72.0mm**					
Rod									
	37.982/1.4954 38.000/1.4961	40.998/1.6141 41.017/1.6148	1.490/0.0587	.018/.0007 .071/.0028	18.00/0.709	F810	6	1266A IH	**3B1266A** Std. .25 .50 .75 1.0
Main									
1-4	43.982/1.7316 44.000/1.7323	47.998/1.8897 48.018/1.8905	1.993/0.0785	.012/.0005 .076/.0030	17.13/0.674	F810	8	1267A IH	**4M1267A** Std. .25 .50 .75 1.0
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
98 1588cc (1.6) C16XE		**6**	**L4**	**79mm x 81.5mm**					
Rod									
	42.971/1.6918 42.987/1.6924	46.000/1.8110 46.013/1.8115	1.497/0.0589	.019/.0007 .074/.0029	16.63/0.655	F780	8	1350 IH	**4B1350** Std. .25 .50 .75 1.0
Main									
1,2,4,5	54.971/2.1642 54.986/2.1648	58.999/2.3228 59.012/2.3233	2.001/0.0788	.013/.0005 .065/.0026	19.50/0.768	F780	8	1338 IH	**5M1801P** Std. .25 .50 .75 1.0
3 (FI)	54.971/2.1642 54.986/2.1648	58.999/2.3228 59.012/2.3233	2.001/0.0788	.013/.0005 .065/.0026	25.92/1.020	F780	2	1339 IH	

*Overflange length increase for undersizes. *See below for dimensional information.*

*** DIMENSIONAL INFORMATION FOR 5M1801P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.028"/26.12 mm	+0.008"/0.20mm
0.50 mm u/s shaft	1.036"/26.32 mm	+0.016"/0.40mm
0.75 mm u/s shaft	1.036"/26.32 mm	+0.016"/0.40mm
1.00 mm u/s shaft	1.044"/26.52 mm	+0.024"/0.60mm

ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**3**
2000cc (2.0) Family II			**L4**	**86mm x 86mm**	**Connecting Rod 40-50 Nm + 45 deg**				
2000cc (2.0) Family II		**Z**	**L4**	**86mm x 86mm**	**Main Bearing 60-70 Nm + 45 deg**				
Rod - to be superceded by 4B2322A when stock is exhausted.									
	48.971/1.9280 48.987/1.9286	52.000/2.0472 52.012/2.0477	1.500/0.0590	.013/.0005 .066/.0026	19.30/0.760	F780	8	2320 U/L	**4B1408P** Std. .25 .50 .75
Rod									
	48.971/1.9280 48.987/1.9286	52.000/2.0472 52.012/2.0477	1.500/0.0591	.013/.0005 .057/.0022	19.30/0.760	F810	8	2322A U/L	**4B2322A** Std. .25 .50 .75 1.0
Main									
1,2,4,5	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	19.50/0.768	F780	8	2327 IH	**5M1549P** .25 .50 .75
3 (FI)	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	26.10/1.028	F780	2	2328 IH	

*Overflange length increase for undersizes. *See below for dimensional information.*

*** DIMENSIONAL INFORMATION FOR 5M1549P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.028"/26.10mm	+.008"/0.20mm
0.50 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm
0.75 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm

DAEWOO

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 (Cont'd.)									
	Main								
5M2329P Std. .25 .50 .75	1,2,4,5	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	19.50/0.768	F780	8	2327 IH
	3 (Fl)	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	25.90/1.020	F780	2	2329 IH
	Overflange length remains constant for standard and undersizes.								

4 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2200cc (2.2) X22SE		**L4**	**86mm x 94.6mm**	**Connecting Rod 25 ft.lbs / 35 Nm + 45 deg + 15 deg** Tighten in three stages
2200cc (2.2) X22SE	**2**	**L4**	**86mm x 94.6mm**	**Main Bearing 37 ft.lbs / 50 Nm + 45 deg + 15 deg** Tighten in three stages

	Rod - to be superceded by 4B2322A when stock is exhausted.								
4B1408P Std. .25 .50 .75		48.971/1.9280 48.987/1.9286	52.000/2.0472 52.012/2.0477	1.500/0.0590	.013/.0005 .066/.0026	19.30/0.760	F780	8	2320 U/L
	Rod								
4B2322A Std. .25 .50 .75 1.0		48.971/1.9280 48.987/1.9286	52.000/2.0472 52.012/2.0477	1.500/0.0591	.013/.0005 .057/.0022	19.30/0.760	F810	8	2322A U/L
	Main - two oil holes in flange bearing.								
5M2325 Std. .25 .50 .75 1.0	1,2,4,5	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	19.50/0.768	F780	8	2327 IH
	3 (Fl)	57.974/2.2824 57.995/2.2833	60.000/2.3622 60.013/2.3627	1.995/0.0785		25.90/1.020	F780	2	2325 IH
	*Overflange length increases for undersizes. *See below for dimensional information.*								

*** DIMENSIONAL INFORMATION FOR 5M2325**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.028"/26.10mm	+.008"/0.20mm
0.50 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm
0.75 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm
1.00 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm

DAIHATSU ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
61 993cc (1.0).....	CB & CL Series	0	L3	88-92	1
1166cc.....	Toyota 3K		L4	69-83	2
1290cc.....	Toyota 4K		L4	77-88	2
1295cc (1.3).....	HC-E	2	L4	89-92	3
1589cc (1.6).....	HD-E	0	L4	90-92	3

DAIHATSU MODEL INDEX

Model	CID	cc	Liter	Description	Years
CHARADE - CES	61	993	1.0	CB & CL Series	89
CHARADE - CLS	61	993	1.0	CB & CL Series	88-89
		1295	1.3	HC-E	89
CHARADE - CLX	61	993	1.0	CB & CL Series	88-89
		1295	1.3	HC-E	89
CHARADE - CSX	61	993	1.0	CB & CL Series	88
CHARADE - SE	61	993	1.0	CB & CL Series	90-92
		1295	1.3	HC-E	90-92
CHARADE - SX	61	993	1.0	CB & CL Series	90
		1295	1.3	HC-E	90-92
ROCKY - SE		1589	1.6	HD-E	90-92
ROCKY - SX		1589	1.6	HD-E	90-92

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE — VIN — CYL — Bore x Stroke — TORQUE SETTINGS (1)

61 993cc (1.0) CB & CL Series — **0** — **L3** — **76mm x 73mm**

Connecting Rod 15-21 ft.lbs/20-29 Nm
Main Bearing 39-48 ft.lbs/53-65 Nm

Rod

	39.975/1.5738 40.000/1.5748	43.000/1.6929 43.024/1.6939	1.490/0.0587	.020/.0008 .095/.0037	18.00/0.709	F780	6	8010 IH	**3B8010** Std. .25 .50 .75

Main - for engines from 1985 on. Half groove set with lower tang on opposite side to upper. Non-stock item. Check for availability.

1,2,3,4	41.975/1.6526 42.000/1.6535	46.000/1.8110 46.024/1.8120	1.990/0.0783	.020/.0008 .095/.0037	19.50/0.768	F780	4	8009 L	**4M8009** Std. .25 .50 .75
1,2,3,4	41.975/1.6526 42.000/1.6535	46.000/1.8110 46.024/1.8120	1.990/0.0783	.020/.0008 .095/.0037	19.50/0.768	F780	4	8011 U	

Thrust

3	47.750/1.8799 48.000/1.8898	61.750/2.4311 62.000/2.4409			1.98/0.078	F861	2	8011T IH	**1T8011** Std.

Note: Set includes two pieces, use on No. 3 position. Required with 4M8011/4M8009.

Balance Shaft

1	44.976/1.7707 (Max.)	48.024/1.8907 (Max.)	1.509/0.0594	.030/.0012 .086/.0034	17.00/0.669	F820	1	SH1452	**2BS8453** Std.
2	33.975/1.3376 (Max.)	37.026/1.4577 (Max.)	1.509/0.0594	.030/.0012 .086/.0034	20.00/0.787	F820	1	SH1453	

ENGINE — VIN — CYL — Bore x Stroke — TORQUE SETTINGS (2)

1166cc Toyota 3K — **L4** — **75mm x 66mm**
1290cc Toyota 4K — **L4** — **75mm x 73mm**

Connecting Rod 29-38 ft.lbs/39-52 Nm (74-83 engines)
Connecting Rod 34 ft.lbs/47 Nm (67-73 engines)
Main Bearing 39-48 ft.lbs/53-65 Nm (74-83 engines)
Main Bearing 44 ft.lbs/59 Nm (67-73 engines)

Rod

	41.976/1.6526 42.000/1.6535	44.999/1.7716 45.024/1.7726	1.496/0.0589	.008/.0003 .081/.0032	18.90/0.744	F780	8	1101 IH	**4B1101** Std. .25 .50 .75 1.0

Main - for all engines to 8/83 full groove.

1,2,3,4,5	49.976/1.9676 50.000/1.9685	54.000/2.1260 54.028/2.1271	1.996/0.0786	.008/.0003 .076/.0030	20.90/0.823	F820	10	1102AL IH	**5M1102** Std. .25 .50 .75 1.0

Thrust

3	55.560/2.1874 55.820/2.1976	67.560/2.6598 67.820/2.6701			2.49/0.098	F250	4	8062T IH	**2T8062** Std.

Note: Set includes four pieces, use on No. 3 position. Required with 5M1102 main set.

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	Cam								
4C8066 Std.	1	43.209/1.7011 43.225/1.7018	48.000/1.8898 48.025/1.8907	2.385/0.0939	.020/.0008 .071/.0028	17.90/0.705	F23	1	8066
	2	42.959/1.6913 42.975/1.6919	47.500/1.8701 47.525/1.8711	2.260/0.0890	.020/.0008 .071/.0028	17.90/0.705	F23	1	8067
	3	42.709/1.6815 42.725/1.6821	47.000/1.8504 47.025/1.8514	2.133/0.0840	.020/.0008 .071/.0028	17.90/0.705	F23	1	8068
	4	42.459/1.6716 42.475/1.6722	46.500/1.8307 46.525/1.8317	2.006/0.0790	.020/.0008 .071/.0028	17.90/0.705	F23	1	8069
	Small End - not bored, single pieces.								
RB4037 Semi		17.986/0.7081 17.998/0.7086	20.000/0.7874 20.020/0.7882			24.89/0.980	F100	1	RB4037

3 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1295cc (1.3) HC-E	**2**	**L4**	**76mm x 71.4mm**	**Connecting Rod 25-32 ft.lbs/34-43 Nm**
1589cc (1.6) HD-E	**0**	**L4**	**78mm x 87.6mm**	**Main Bearing 33-40 ft.lbs/44-54 Nm**

	Rod								
4B8016 Std. .25 .50 .75 1.0		44.980/1.7709 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.490/0.0587	.020/.0008 .086/.0034	18.00/0.709	F780	8	8016 IH
	Main								
5M8017 Std. .25 .50	1, 2, 3, 4, 5	49.980/1.9677 50.000/1.9685	54.000/2.1260 54.020/2.1268	1.996/0.0786	.008/.0003 .074/.0029	18.10/0.713	F780	10	8017 IH
	Thrust								
1T8017 Std.	3	57.000/2.2441 57.250/2.2539	75.750/2.9823 76.000/2.9921			2.49/0.098	F817	2	8017T IH

Note: Set includes two pieces, use on No.3 position. Required with 5M8017 main set.

DEUTZ ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1884cc (1.9).....	(F2L912),Diesel		2		1
1884cc (1.9).....	(F2L912D),Diesel		2		1
2826cc (2.8).....	(F3L912),Diesel		3		2
2826cc (2.8).....	(F3L912D),Diesel		3		2
3768cc (3.8).....	(F4L912),Diesel		4		3
3768cc (3.8).....	(F4L912D),Diesel		4		3
4710cc (4.7).....	(F5L912),Diesel		5		4
4710cc (4.7).....	(F5L912D),Diesel		5		4
5652cc (5.7).....	(F6L912),Diesel		6		5
5652cc (5.7).....	(F6L912D),Diesel		6		5

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN** **CYL** **Bore x Stroke**		**TORQUE SETTINGS**				**1**
1884cc (1.9) (F2L912) Diesel			**2** **100mm x 120mm**						
1884cc (1.9) (F2L912D) Diesel			**2** **100mm x 120mm**						
Rod - 2 req'd per engine.									
	59.941/2.3599 59.960/2.3606	64.000/2.5197 64.019/2.5204	2.000/0.0787	.040/.0016 .104/.0041	25.00/0.984	F780	2	2580 U/L	**1B2580** Std. .25 .50 .75 1.0 1.25 1.50
ENGINE			**VIN** **CYL** **Bore x Stroke**		**TORQUE SETTINGS**				**2**
2826cc (2.8) (F3L912) Diesel			**3** **100mm x 120mm**						
2826cc (2.8) (F3L912D) Diesel			**3** **100mm x 120mm**						
Rod - 3 req'd per engine.									
	59.941/2.3599 59.960/2.3606	64.000/2.5197 64.019/2.5204	2.000/0.0787	.040/.0016 .104/.0041	25.00/0.984	F780	2	2580 U/L	**1B2580** Std. .25 .50 .75 1.0 1.25 1.50
Main - 4 req'd per engine.									
	69.971/2.7548 69.990/2.7555	74.500/2.9331 74.519/2.9338	2.230/0.0878	.050/.0020 .114/.0045	27.00/1.063	F780	2	2583 IH	**1M2583** Std. .25 .50 .75 1.0 1.25 1.50
ENGINE			**VIN** **CYL** **Bore x Stroke**		**TORQUE SETTINGS**				**3**
3768cc (3.8) (F4L912) Diesel			**4** **100mm x 120mm**						
3768cc (3.8) (F4L912D) Diesel			**4** **100mm x 120mm**						
Rod - 4 req'd per engine.									
	59.941/2.3599 59.960/2.3606	64.000/2.5197 64.019/2.5204	2.000/0.0787	.040/.0016 .104/.0041	25.00/0.984	F780	2	2580 U/L	**1B2580** Std. .25 .50 .75 1.0 1.25 1.50
Main - 5 req'd per engine.									
	69.971/2.7548 69.990/2.7555	74.500/2.9331 74.519/2.9338	2.230/0.0878	.050/.0020 .114/.0045	27.00/1.063	F780	2	2583 IH	**1M2583** Std. .25 .50 .75 1.0 1.25 1.50
ENGINE			**VIN** **CYL** **Bore x Stroke**		**TORQUE SETTINGS**				**4**
4710cc (4.7) (F5L912) Diesel			**5** **100mm x 120mm**						
4710cc (4.7) (F5L912D) Diesel			**5** **100mm x 120mm**						
Rod - 5 req'd per engine.									
	59.941/2.3599 59.960/2.3606	64.000/2.5197 64.019/2.5204	2.000/0.0787	.040/.0016 .104/.0041	25.00/0.984	F780	2	2580 U/L	**1B2580** Std. .25 .50 .75 1.0 1.25 1.50
Main - 6 req'd per engine.									
	69.971/2.7548 69.990/2.7555	74.500/2.9331 74.519/2.9338	2.230/0.0878	.050/.0020 .114/.0045	27.00/1.063	F780	2	2583 IH	**1M2583** Std. .25 .50 .75 1.0 1.25 1.50
ENGINE			**VIN** **CYL** **Bore x Stroke**		**TORQUE SETTINGS**				**5**
5652cc (5.7) (F6L912) Diesel			**6** **100mm x 120mm**						
5652cc (5.7) (F6L912D) Diesel			**6** **100mm x 120mm**						
Rod - 6 req'd per engine.									
	59.941/2.3599 59.960/2.3606	64.000/2.5197 64.019/2.5204	2.000/0.0787	.040/.0016 .104/.0041	25.00/0.984	F780	2	2580 U/L	**1B2580** Std. .25 .50 .75 1.0 1.25 1.50
Main - 7 req'd per engine.									
	69.971/2.7548 69.990/2.7555	74.500/2.9331 74.519/2.9338	2.230/0.0878	.050/.0020 .114/.0045	27.00/1.063	F780	2	2583 IH	**1M2583** Std. .25 .50 .75 1.0 1.25 1.50

ACL Engine Bearings

DODGE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1410cc (1.4).....	Mits G12B	2	L4	81-83	1
1410cc (1.4).....	Mits G12B	A	L4	84-84	1
1410cc (1.4).....	Mits G12B	J	L4	79-80	1
90 1468cc (1.5).....	Mits G15B/4G15	A	L4	91-94	2
90 1468cc (1.5).....	Mits G15B/4G15	K	L4	85-91	2
90 1468cc (1.5).....	Mits G15B/4G15	P	L4	88-88	2
90 1468cc (1.5).....	Mits G15B/4G15	X	L4	89-90	2
1595cc (1.6).....	Mits 4G61 (DOHC)		L4	89-90	3
1595cc (1.6).....	Mits 4G61T (DOHC), Turbo		L4	89-90	3
98 1597cc (1.6).....	Mits 4G32/G32B	3	L4	81-83	4
98 1597cc (1.6).....	Mits 4G32/G32B	B	L4	84-84	4
98 1597cc (1.6).....	Mits 4G32/G32B, Turbo	F	L4	84-90	4
98 1597cc (1.6).....	Mits 4G32/G32B	K	L4	71-80	4
98 1597cc (1.6).....	Mits 4G32/G32B	Y	L4	89-90	4
98 1597cc (1.6).....	Mits 4G32/G32B, Turbo	Z	L4	89-89	4
1754cc (1.8).....	Mits G37B (8V SOHC)	T	L4	89-90	5
112 1834cc (1.8)...	Mits 4G93	C	L4	93-94	6
112 1834cc (1.8)...	Mits 4G93	D	L4	92-92	6
122 1995cc (2.0)...	Mits 4G63/G63B	D	L4	84-89	8
122 1995cc (2.0)...	Mits 4G52/G52B	U	L4	74-80	7
122 1996cc (2.0)...	16V SOHC	C	L4	97-05	9
122 1996cc (2.0)...	16V SOHC	F	L4	01-04	9
122 1996cc (2.0)...	16V DOHC	Y	L4	96-99	9
122 1996cc (2.0)...	16V SOHC (ECB)	C	L4	95-98	9
122 1996cc (2.0)...	16V DOHC (ECC)	Y	L4	95-98	9
122 1996cc (2.0)...	16V DOHC (ECF)	Y	L4	95-98	9
122 1997cc (2.0)...	Mits 4G52/G52B	5	L4	81-83	7
122 1997cc (2.0)...	Mits 4G63/G63B	D	L4	85-88	8
122 1997cc (2.0)...	Mits 4G63 DOHC	R	L4	89-89	8
122 1997cc (2.0)...	Mits 4G63/G63B	V	L4	89-91	8
135 (2.2)		8	L4	83-87	10
135 (2.2)	Turbo	A	L4	87-93	10
135 (2.2)		B	L4	81-82	10
135 (2.2)		C	L4	83-88	10
135 (2.2)	Turbo	C	L4	90-90	10
135 (2.2)		D	L4	84-94	10
135 (2.2)	Turbo	E	L4	84-88	10
143 2346cc (2.3)...	Mits 4D55, Turbo,Diesel	9	L4	83-83	11
143 2346cc (2.3)...	Mits 4D55, Turbo,Diesel	J	L4	84-85	11
2351cc (2.4).....	Mits 4G64	G	L4	93-94	12
2351cc (2.4).....	Mits 4G64	W	L4	90-92	12
148 2429cc (2.4)...	DOHC	B	L4	96-02	13
148 2429cc (2.4)...	DOHC	X	L4	95-02	13
148 2429cc (2.4)...	DOHC (EDZ)	X	L4	95-98	13
152 2497cc (2.5)...	Mits 6G73	H	V6	99-00	15
152 2497cc (2.5)...	Mits 6G73	N	V6	99-00	15
152 2497cc (2.5)...	Mits 6G73 (EEB)	H	V6	95-98	15
152 2497cc (2.5)...	Mits 6G73 (EEB)	N	V6	95-98	15
153 2507cc (2.5)...		G	L4	89-95	10
153 2507cc (2.5)...	Turbo	J	L4	89-92	10
153 2507cc (2.5)...		K	L4	86-95	10
153 2507cc (2.5)...	AMC Eng.	P	L4	96-02	14
2555cc (2.6).....	Mits G54B (SOHC)	7	L4	83-83	16
156 2555cc (2.6)...	Mits G54B (SOHC)	7	L4	81-83	16
156 2555cc (2.6)...	Mits G54B (SOHC)	D	L4	81-82	16
156 2555cc (2.6)...	Mits G54B (SOHC)	E	L4	84-89	16
156 2555cc (2.6)...	Mits G54B (SOHC)	F	L4	78-80	16
156 2555cc (2.6)...	Mits G54B (SOHC)	G	L4	83-87	16
156 2555cc (2.6)...	Mits G54B (SOHC), Turbo	H	L4	84-86	16
156 2555cc (2.6)...	Mits G54B (SOHC), Turbo	N	L4	85-86	16
156 2555cc (2.6)...	Mits G54B (SOHC)	W	L4	79-80	16
167 2700cc (2.7)...		R	V6	02-06	17
167 2700cc (2.7)...		T	V6	04-06	17
167 2700cc (2.7)...		U	V6	00-01	17
167 2700cc (2.7)...	(EER)	R	V6	98-06	17
170 (2.8)			L6	60-69	18
170 (2.8)		6	L6	68-69	18
170 (2.8)		A	L6	68-69	18
181 2972cc (3.0)...	Mits 6G72 SOHC	3	V6	87-00	19
181 2972cc (3.0)...	Mits 6G72 DOHC	B	V6	91-92	19
181 2972cc (3.0)...	Mits 6G72 DOHC, Turbo	C	V6	91-92	19
181 2972cc (3.0)...	Mits 6G72 DOHC	H	V6	93-96	19
181 2972cc (3.0)...	Mits 6G72 SOHC	H	V6	01-05	19
181 2972cc (3.0)...	Mits 6G72 DOHC	J	V6	91-96	19
181 2972cc (3.0)...	Mits 6G72 DOHC, Turbo	K	V6	93-96	19
181 2972cc (3.0)...	Mits 6G72 DOHC	S	V6	91-91	19
181 2972cc (3.0)...	Mits 6G72 SOHC	S	V6	89-92	19
181 2972cc (3.0)...	Mits 6G72 SOHC	U	V6	90-92	19
197 3200cc (3.2)...	SOHC (EGW)	J	V6	98-01	20
198 (3.2)		A	L6	70-71	18
198 (3.2)		B	L6	70-74	18
201 (3.3)	OHV	3	V6	01-05	21
201 (3.3)	OHV	G	V6	98-98	21
201 (3.3)	OHV	J	V6	94-96	21
201 (3.3)	OHV	R	V6	90-06	21
201 (3.3)	OHV	S	V6	04-04	21
201 (3.3)	OHV	T	V6	93-97	21
201 (3.3)	OHV	U	V6	94-95	21
201 (3.3)	OHV (EGM)	G	V6	99-01	21
215 3497cc (3.5)...	SOHC (Cast Iron Block)	F	V6	93-97	22
215 3497cc (3.5)...	SOHC (Aluminum Block)	G	V6	00-06	20
215 3497cc (3.5)...	SOHC (Aluminum Block)	M	V6	02-04	20
215 3497cc (3.5)...	SOHC (Aluminum Block)	V	V6	00-04	20
225 (3.7)		K	V6	02-04	24
225 3687cc (3.7)...	Forged Crankshaft		L6	60-67	18
225 3687cc (3.7)...	Forged Crankshaft	6	L6	68-70	18
225 3687cc (3.7)...	Cast Crankshaft	B	L6	76-79	23
225 3687cc (3.7)...	Forged Crankshaft	B	L6	68-76	18
225 3687cc (3.7)...	Cast Crankshaft	C	L6	76-80	23
225 3687cc (3.7)...	Forged Crankshaft	C	L6	70-76	18
225 3687cc (3.7)...	Cast Crankshaft	D	L6	77-80	23
225 3687cc (3.7)...	Cast Crankshaft	E	L6	81-82	23
225 3687cc (3.7)...	Cast Crankshaft	F	L6	81-82	23
225 3687cc (3.7)...	Cast Crankshaft	H	L6	83-87	23
225 3687cc (3.7)...	Cast Crankshaft	N	L6	79-80	23
225 3687cc (3.7)...	Forged Crankshaft	X	L6	71-72	18
226 (3.7)		K	V6	04-06	24
230 (3.8)	OHV	L	V6	94-06	21
239 (3.9)	OHV	M	V6	87-87	25
239 (3.9)	OHV	X	V6	88-03	25
273 (4.5)			V8	64-67	27
273 (4.5)		D	V8	68-69	27
285 (4.7)		J	V8	05-06	26
285 (4.7)		N	V8	01-06	26
287 (4.7)		N	V8	00-04	26
318 (5.2)			V8	59-67	27
318 (5.2)		4	V8	83-89	28
318 (5.2)		8	V8	68-69	27
318 (5.2)		E	V8	70-73	27
318 (5.2)		E	V8	74-80	28
318 (5.2)		F	V8	67-69	27
318 (5.2)		G	V8	70-73	27
318 (5.2)		G	V8	74-80	28
318 (5.2)		H	V8	78-80	28
318 (5.2)		K	V8	81-82	28
318 (5.2)		L	V8	81-82	28
318 (5.2)		M	V8	81-82	28
318 (5.2)		N	V8	81-82	28
318 (5.2)		P	V8	79-89	28
318 (5.2)		R	V8	81-85	28
318 (5.2)		S	V8	83-89	28
318 (5.2)		T	V8	92-03	28
318 (5.2)		T	V8	83-87	28
318 (5.2)		U	V8	83-83	28
318 (5.2)		Y	V8	88-03	28
318 (5.2)		Z	V8	83-83	28
326 (5.3)			V8	59-59	27
340 (5.6)		H	V8	70-73	29
340 (5.6)		J	V8	71-71	29
340 (5.6)		P	V8	68-69	29
345 (5.7)	Hemi	D	V8	03-06	30
345 (5.7)	Hemi	H	V8	05-06	30
345 (5.7)	Hemi (EZB)	2	V8	06-06	30
350 (5.7)			V8	58-58	31
360 (5.9)		1	V8	83-88	32
360 (5.9)		5	V8	87-02	32
360 (5.9)		8	V8	70-70	32
360 (5.9)		F	V8	71-79	32
360 (5.9)		J	V8	74-79	32
360 (5.9)		K	V8	71-80	32
360 (5.9)		L	V8	74-80	32
360 (5.9)		S	V8	79-82	32
360 (5.9)		T	V8	74-82	32
360 (5.9)		U	V8	82-82	32
360 (5.9)		W	V8	83-88	32
360 (5.9)		Y	V8	70-72	32
360 (5.9)		Z	V8	89-03	32
361 (5.9)			V8	58-64	31

DODGE ENGINE INDEX (Cont'd.)

Engine Disp.	Notation	VIN	Cyl.	Year	Line
383 (6.4)			V8	61-67	31
383 (6.4)			V8	59-60	33
383 (6.3)		8	V8	68-69	31
383 (6.3)		G	V8	67-69	31
383 (6.3)		H	V8	67-69	31
383 (6.3)		J	V8	70-71	31
383 (6.3)		L	V8	70-71	31
383 (6.3)		N	V8	70-71	31
400 (6.6)		J	V8	71-78	31
400 (6.6)		M	V8	72-76	31
400 (6.6)		N	V8	74-78	31
400 (6.6)		P	V8	72-78	31
413 (6.8)			V8	61-65	33
426 (7.0)	(Excl. Hemi)		V8	63-65	33
426 (7.0)	Hemi		V8	64-67	34
426 (7.0)	Hemi	J	V8	67-70	34
426 (7.0)	Hemi	R	V8	67-71	34
440 (7.2)			V8	66-67	33
440 (7.2)		A	V8	74-74	33
440 (7.2)		D	V8	73-79	33
440 (7.2)		K	V8	67-69	33
440 (7.2)		L	V8	67-69	33
440 (7.2)		M	V8	69-69	33
440 (7.2)		T	V8	70-77	33
440 (7.2)		U	V8	70-78	33
440 (7.2)		V	V8	70-72	33
488 7990cc (8.0)		E	V10	99-02	36
488 7990cc (8.0)		W	V10	94-03	35
488 7990cc (8.0)	(EWB)	E	V10	92-98	36

DODGE MODEL INDEX

Model	CID	cc	Liter	Description	Years
		1754	1.8	Mits G37B (8V SOHC)	89-90
	360		5.9		70
	383		6.4		59-67
2000 GTX	122	1997	2.0	Mits 4G63 DOHC	89
	122	1997	2.0	Mits 4G63/G63B	89
330	273		4.5		64
	318		5.2		63-64
	361		5.9		64
	413		6.8		63
	426		7.0	(Excl. Hemi)	63-64
	426		7.0	Hemi	64
400	135		2.2		82-83
	156	2555	2.6	Mits G54B (SOHC)	82-83
400 - LS	135		2.2		82
	156	2555	2.6	Mits G54B (SOHC)	82
440	273		4.5		64
	318		5.2		63-64
	361		5.9		64
	413		6.8		63
	426		7.0	(Excl. Hemi)	63-64
	426		7.0	Hemi	64
600	135		2.2		83-88
	153	2507	2.5		86-88
	156	2555	2.6	Mits G54B (SOHC)	83-85
600 - ES	135		2.2		83-84
	156	2555	2.6	Mits G54B (SOHC)	83-84
600 - SE	135		2.2		85-88
	153	2507	2.5		86-88
	156	2555	2.6	Mits G54B (SOHC)	85
880	273		4.5		64
	318		5.2		63-64
	361		5.9		63-64
	413		6.8		63
	426		7.0	(Excl. Hemi)	63-64
	426		7.0	Hemi	64
A100	170		2.8		64-69
	198		3.2		70
	225	3687	3.7	Forged Crankshaft	64-70
	273		4.5		64-67
	318		5.2		67-70
A100 - SPORTSMAN	170		2.8		68-69
	198		3.2		70
	225	3687	3.7	Forged Crankshaft	68-70
	318		5.2		68-70
A108 VAN	170		2.8		67-69
ARIES	135		2.2		81-87
	153	2507	2.5		86-87
	156	2555	2.6	Mits G54B (SOHC)	81-85
ARIES - CUSTOM	135		2.2		81-84
	156	2555	2.6	Mits G54B (SOHC)	81-84
ARIES - LE	135		2.2		85-89
	153	2507	2.5		86-89
	156	2555	2.6	Mits G54B (SOHC)	85
ARIES - SE	135		2.2		81-86
	153	2507	2.5		86
	156	2555	2.6	Mits G54B (SOHC)	81-85
ASPEN	225	3687	3.7	Cast Crankshaft	76-80
	225	3687	3.7	Forged Crankshaft	76
ASPEN	318		5.2		76-80
	360		5.9		76-80
ASPEN - CUSTOM	225	3687	3.7	Cast Crankshaft	76-77
	225	3687	3.7	Forged Crankshaft	76
	318		5.2		76-77
	360		5.9		76-77
ASPEN - SPECIAL EDITION	225	3687	3.7	Cast Crankshaft	76-77
	225	3687	3.7	Forged Crankshaft	76
	318		5.2		76-77
	360		5.9		76-77
AVENGER	122	1996	2.0	16V DOHC	95-99
	152	2497	2.5	Mits 6G73	97-00
AVENGER - ES	122	1996	2.0	16V DOHC	96-98
	152	2497	2.5	Mits 6G73	95-98
B100 VAN	198		3.2		71
	225	3687	3.7	Cast Crankshaft	76-80
	225	3687	3.7	Forged Crankshaft	71-76
	318		5.2		71-80
	360		5.9		71-78
	440		7.2		74
B100 VAN - SPORTSMAN	225	3687	3.7	Cast Crankshaft	76-80
	225	3687	3.7	Forged Crankshaft	71-76
	318		5.2		71-80
	360		5.9		72-78
B150 VAN	225	3687	3.7	Cast Crankshaft	81-87
	239		3.9	OHV	88-94
	318		5.2		81-94
B150 VAN - SPORTSMAN	225	3687	3.7	Cast Crankshaft	81-87
	239		3.9	OHV	88-94
	318		5.2		81-94
B1500 VAN	239		3.9	OHV	95-98
	318		5.2		95-98
	360		5.9		98
B1500 VAN - SPORTSMAN	239		3.9	OHV	95-97
	318		5.2		95-97
B200 VAN	198		3.2		71
	225	3687	3.7	Cast Crankshaft	76-80
	225	3687	3.7	Forged Crankshaft	71-76
	318		5.2		71-80
	360		5.9		71-80
	400		6.6		71-78
	440		7.2		75-78
B200 VAN - MAXI	225	3687	3.7	Cast Crankshaft	76-80
	225	3687	3.7	Forged Crankshaft	72-76
	318		5.2		72-80
	360		5.9		72-80
	400		6.6		76-78
	440		7.2		74-78
B200 VAN - MAXI WAGON	225	3687	3.7	Cast Crankshaft	76-77
	225	3687	3.7	Forged Crankshaft	72-76
	318		5.2		72-80
	360		5.9		72-80
	400		6.6		76-78
	440		7.2		76-78

DODGE MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
B200 VAN - SPORTSMAN	225	3687	3.7	Cast Crankshaft	76-80
	225	3687	3.7	Forged Crankshaft	71-76
	318		5.2		71-80
	360		5.9		72-80
	400		6.6		76-78
	440		7.2		76-78
B250 VAN	225	3687	3.7	Cast Crankshaft	81-87
	239		3.9	OHV	88-94
	318		5.2		81-94
	360		5.9		81-94
B250 VAN - SPORTSMAN	225	3687	3.7	Cast Crankshaft	81-87
	239		3.9	OHV	88-94
	318		5.2		81-94
	360		5.9		81-94
B2500 VAN	239		3.9	OHV	95-98
	318		5.2		95-98
	360		5.9		95-98
B2500 VAN - SPORTSMAN	239		3.9	OHV	95-97
	318		5.2		95-97
	360		5.9		95-97
B300 VAN	225	3687	3.7	Cast Crankshaft	76-79
	225	3687	3.7	Forged Crankshaft	71-76
	318		5.2		71-80
	360		5.9		71-80
	400		6.6		76-78
	440		7.2		76-78
B300 VAN - MAXI	225	3687	3.7	Cast Crankshaft	76-79
	225	3687	3.7	Forged Crankshaft	72-76
	318		5.2		72-80
	360		5.9		72-80
	400		6.6		76-78
	440		7.2		75-78
B300 VAN - MAXI WAGON	225	3687	3.7	Forged Crankshaft	72-75
	318		5.2		72-80
	360		5.9		72-80
	400		6.6		76-78
	440		7.2		76-78
B300 VAN - SPORTSMAN	225	3687	3.7	Forged Crankshaft	71-73
	318		5.2		71-80
	360		5.9		72-80
	400		6.6		77-78
	440		7.2		76-78
B350 VAN	239		3.9	OHV	90-94
	318		5.2		81-94
	360		5.9		81-94
B350 VAN - SPORTSMAN	318		5.2		81-94
	360		5.9		81-94
B3500 VAN	318		5.2		95-98
	360		5.9		95-98
B3500 VAN - SPORTSMAN	318		5.2		95-97
	360		5.9		95-97
CARAVAN	135		2.2		84-87
	148	2429	2.4	DOHC	96-02
	153	2507	2.5		88-95
	156	2555	2.6	Mits G54B (SOHC)	84-87
	181	2972	3.0	Mits 6G72 SOHC	90-00
	201		3.3	OHV	90-06
	230		3.8	OHV	98-99
CARAVAN - C/V	153	2507	2.5		89-95
	181	2972	3.0	Mits 6G72 SOHC	89-95
	201		3.3	OHV	91-95
CARAVAN - ES	181	2972	3.0	Mits 6G72 SOHC	93-95
	201		3.3	OHV	93-97
	230		3.8	OHV	96-97
CARAVAN - LE	135		2.2		84-87
	153	2507	2.5		88-91
	156	2555	2.6	Mits G54B (SOHC)	84-87
	181	2972	3.0	Mits 6G72 SOHC	87-95
	201		3.3	OHV	91-97
	230		3.8	OHV	96-97
CARAVAN - SE	135		2.2		84-87
	148	2429	2.4	DOHC	96-97
CARAVAN - SE	153	2507	2.5		88-93
	156	2555	2.6	Mits G54B (SOHC)	84-87
	181	2972	3.0	Mits 6G72 SOHC	87-97
	201		3.3	OHV	91-06
CARAVAN - SPORT	201		3.3	OHV	01
CARAVAN - SXT	201		3.3	OHV	06
CB300	225	3687	3.7	Cast Crankshaft	77-79
	225	3687	3.7	Forged Crankshaft	74-75
	318		5.2		74-80
	360		5.9		74-80
	400		6.6		76-78
	440		7.2		77-79
CHALLENGER	98	1597	1.6	Mits 4G32/G32B	78-79
	156	2555	2.6	Mits G54B (SOHC)	78-83
	198		3.2		70-71
	225	3687	3.7	Forged Crankshaft	70-72
	318		5.2		70-74
	340		5.6		70-73
	360		5.9		74
	383		6.3		70-71
	426		7.0	Hemi	70
CHALLENGER - R/T	340		5.6		71
	383		6.3		70-71
	426		7.0	Hemi	70-71
	440		7.2		70-71
CHALLENGER - RALLYE	318		5.2		72
	340		5.6		72
CHARGER	225	3687	3.7	Cast Crankshaft	76
	225	3687	3.7	Forged Crankshaft	68-76
	167	2700	2.7		06
	273		4.5		66
	318		5.2		67-76
	340		5.6		72-73
	360		5.9		74-76
	383		6.3		67-71
	400		6.6		72-76
	426		7.0	Hemi	67-69
	440		7.2		67-74
CHARGER - 2.2	135		2.2		84-86
CHARGER - 500	225	3687	3.7	Forged Crankshaft	70
	318		5.2		70-71
	383		6.3		70-71
	426		7.0	Hemi	69
	440		7.2		69-70
CHARGER - DAYTONA R/T	345		5.7	Hemi	06
CHARGER - R/T	318		5.2		68
	345		5.7	Hemi	06
	383		6.3		68
	426		7.0	Hemi	68-71
	440		7.2		67-71
CHARGER - SE	215	3497	3.5	SOHC (Aluminum Block)	06
CHARGER - SHELBY	135		2.2		83-87
CHARGER - SPECIAL EDITION	318		5.2		71-78
	340		5.6		72-73
	360		5.9		74-78
	383		6.3		71
	400		6.6		72-78
	440		7.2		71-74
CHARGER - SPORT	225	3687	3.7	Cast Crankshaft	76
	225	3687	3.7	Forged Crankshaft	76
	318		5.2		76
	360		5.9		76
	400		6.6		76
CHARGER - SUPER BEE	340		5.6		71
	383		6.3		71
	426		7.0	Hemi	71
	440		7.2		71
CHARGER - SXT	215	3497	3.5	SOHC (Aluminum Block)	06
COLT		1410	1.4	Mits G12B	79-83
	90	1468	1.5	Mits G15B/4G15	89-94
	98	1597	1.6	Mits 4G32/G32B	71-83
	112	1834	1.8	Mits 4G93	92-94
	122	1995	2.0	Mits 4G52/G52B	74-77

DODGE MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
COLT		2351	2.4	Mits 4G64	93-94
	156	2555	2.6	Mits G54B (SOHC)	78-80
COLT - 100 DL	90	1468	1.5	Mits G15B/4G15	89-91
	98	1597	1.6	Mits 4G32/G32B	89
COLT - 100 E	90	1468	1.5	Mits G15B/4G15	89-92
COLT - 100 LX	90	1468	1.5	Mits G15B/4G15	89-90
	98	1597	1.6	Mits 4G32/G32B	89-90
COLT - 200 DL	90	1468	1.5	Mits G15B/4G15	89-90
COLT - 200 E	90	1468	1.5	Mits G15B/4G15	89-92
COLT - 200 GT	90	1468	1.5	Mits G15B/4G15	91-92
COLT - 200 LX	90	1468	1.5	Mits G15B/4G15	89
	98	1597	1.6	Mits 4G32/G32B	89
COLT - 4X4		2351	2.4	Mits 4G64	93-94
COLT - CAROUSEL	98	1597	1.6	Mits 4G32/G32B	75-77
	122	1995	2.0	Mits 4G52/G52B	76-77
COLT - CUSTOM		1410	1.4	Mits G12B	79
	98	1597	1.6	Mits 4G32/G32B	77-83
COLT - DELUXE		1410	1.4	Mits G12B	82-83
	98	1597	1.6	Mits 4G32/G32B	82-83
COLT - DL		1410	1.4	Mits G12B	84
	90	1468	1.5	Mits G15B/4G15	85-90
	98	1597	1.6	Mits 4G32/G32B	84-88
COLT - E		1410	1.4	Mits G12B	84
	90	1468	1.5	Mits G15B/4G15	85-89
	98	1597	1.6	Mits 4G32/G32B	84
COLT - ES	90	1468	1.5	Mits G15B/4G15	94
	112	1834	1.8	Mits 4G93	94
COLT - GL	90	1468	1.5	Mits G15B/4G15	90-93
	112	1834	1.8	Mits 4G93	93
COLT - GT	90	1468	1.5	Mits G15B/4G15	89-90
	98	1597	1.6	Mits 4G32/G32B	73-90
	122	1995	2.0	Mits 4G52/G52B	74-77
COLT - PREMIER	90	1468	1.5	Mits G15B/4G15	85-88
	98	1597	1.6	Mits 4G32/G32B	85-88
COLT - SE	112	1834	1.8	Mits 4G93	92
		2351	2.4	Mits 4G64	93-94
COLT - VISTA	122	1995	2.0	Mits 4G63/G63B	84
	122	1997	2.0	Mits 4G63/G63B	85-91
COLT - VISTA CUSTOM	122	1997	2.0	Mits 4G63/G63B	86
CONQUEST	156	2555	2.6	Mits G54B (SOHC)	84-86
CORONET	225	3687	3.7	Cast Crankshaft	76
	225	3687	3.7	Forged Crankshaft	71-76
	273		4.5		65-67
	318		5.2		65-76
	326		5.3		59
	350		5.7		58
	360		5.9		73-76
	361		5.9		58-59
	383		6.3		67-71
	400		6.6		72-76
	413		6.8		65
	426		7.0	(Excl. Hemi)	65
	426		7.0	Hemi	65-67
	440		7.2		67-76
CORONET - 440	225	3687	3.7	Forged Crankshaft	68-70
	273		4.5		68
	318		5.2		68-70
	383		6.3		68-70
	426		7.0	Hemi	68-69
	440		7.2		68
CORONET - 500	273		4.5		68
	318		5.2		68-70
	383		6.3		68-70
CORONET - BROUGHAM	225	3687	3.7	Cast Crankshaft	76
	225	3687	3.7	Forged Crankshaft	76
	318		5.2		71-76
	360		5.9		75-76
	383		6.3		71
	400		6.6		75-76
CORONET - CRESTWOOD	318		5.2		71-75
	340		5.6		73
	360		5.9		74-76
	383		6.3		71
	400		6.6		72-76
CORONET - CUSTOM	225	3687	3.7	Forged Crankshaft	71-75
	318		5.2		71-75
CORONET - CUSTOM	340		5.6		72-73
	360		5.9		74-75
	383		6.3		71
	400		6.6		72-75
CORONET - DELUXE	225	3687	3.7	Forged Crankshaft	68-70
	273		4.5		68
	318		5.2		68-70
	383		6.3		68-70
CORONET - R/T	383		6.3		68
	426		7.0	Hemi	67-70
	440		7.2		67-70
CORONET - SUPER BEE	383		6.3		68-70
	426		7.0	Hemi	68-70
	440		7.2		69-70
CUSTOM	273		4.5		64-65
	318		5.2		62-65
	326		5.3		59
	350		5.7		58
	361		5.9		58-64
	413		6.8		62-65
	426		7.0	(Excl. Hemi)	63-65
	426		7.0	Hemi	64-65
D100 PICKUP	198		3.2		70-71
	225	3687	3.7	Cast Crankshaft	76-87
	225	3687	3.7	Forged Crankshaft	68-76
	239		3.9	OHV	88-89
	318		5.2		68-89
	360		5.9		71-88
	383		6.3		68-71
	400		6.6		71-78
	440		7.2		73-78
D100 SERIES	170		2.8		61-65
	225	3687	3.7	Forged Crankshaft	60-67
	318		5.2		60-67
D150 PICKUP	225	3687	3.7	Cast Crankshaft	77-87
	239		3.9	OHV	88-93
	318		5.2		77-93
	360		5.9		77-93
	400		6.6		77-78
	440		7.2		78
D150 PICKUP - S	239		3.9	OHV	90-91
	318		5.2		90-91
D200 PICKUP	225	3687	3.7	Cast Crankshaft	76-80
	225	3687	3.7	Forged Crankshaft	68-76
	318		5.2		68-80
	360		5.9		71-80
	383		6.3		68-71
	400		6.6		71-78
	440		7.2		73-78
D200 SERIES	225	3687	3.7	Forged Crankshaft	60-67
	318		5.2		60-67
D250 PICKUP	225	3687	3.7	Cast Crankshaft	81-87
	239		3.9	OHV	88-93
	318		5.2		81-93
	360		5.9		81-93
D300 PICKUP	225	3687	3.7	Cast Crankshaft	76-78
	225	3687	3.7	Forged Crankshaft	68-76
	318		5.2		68-80
	360		5.9		71-80
	383		6.3		68-71
	400		6.6		71-78
	440		7.2		73-78
D300 SERIES	225	3687	3.7	Forged Crankshaft	60-67
	318		5.2		60-67
D350 PICKUP	318		5.2		81-83
	360		5.9		81-93
D400 PICKUP	360		5.9		78-81
	440		7.2		78
D450 PICKUP	360		5.9		78-81
	440		7.2		78
D50 PICKUP	122	1995	2.0	Mits 4G52/G52B	79-80
	122	1997	2.0	Mits 4G52/G52B	81-82
	156	2555	2.6	Mits G54B (SOHC)	79-82
DAKOTA	135		2.2		87-88
	153	2507	2.5		89-95
	153	2507	2.5	AMC Eng.	96-02
	226		3.7		04-05
	239		3.9	OHV	87-03

DODGE MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
DAKOTA	285		4.7		01-05
	287		4.7		00-01
	318		5.2		90-99
	360		5.9		98-03
DAKOTA - LARAMIE	226		3.7		06
	285		4.7		06
DAKOTA - SHELBY	318		5.2		89
DAKOTA - SLT	226		3.7		06
	285		4.7		06
DAKOTA - SPORT	239		3.9	OHV	88-91
	318		5.2		91
DAKOTA - ST	226		3.7		06
	285		4.7		06
DART	170		2.8		61-69
	198		3.2		70-74
	225	3687	3.7	Cast Crankshaft	76
	225	3687	3.7	Forged Crankshaft	60-76
	273		4.5		64-69
	318		5.2		60-76
	340		5.6		68
	360		5.9		76
	361		5.9		60-62
	383		6.3		68
	413		6.8		61-65
DART - 270	170		2.8		68
	225	3687	3.7	Forged Crankshaft	68
	273		4.5		68
	318		5.2		68
	340		5.6		68
	383		6.3		68
DART - CUSTOM	170		2.8		69
	198		3.2		70-74
	225	3687	3.7	Forged Crankshaft	69-75
	273		4.5		69
	318		5.2		69-75
DART - DEMON	198		3.2		71-72
	225	3687	3.7	Forged Crankshaft	71-72
	318		5.2		71-72
DART - DEMON 340	340		5.6		71-72
DART - GT	170		2.8		68-69
	225	3687	3.7	Forged Crankshaft	68-69
	273		4.5		68-69
	318		5.2		68-69
	340		5.6		68-69
	383		6.3		68
DART - GTS	273		4.5		68-69
	318		5.2		68-69
	340		5.6		68-69
	383		6.3		68-69
DART - SPECIAL	198		3.2		71-74
	225	3687	3.7	Cast Crankshaft	76
	225	3687	3.7	Forged Crankshaft	71-76
	318		5.2		71-76
DART - SPECIAL EDITION	225	3687	3.7	Forged Crankshaft	74-75
	318		5.2		74-75
DART - SPORT	198		3.2		73-74
	225	3687	3.7	Forged Crankshaft	73-75
	318		5.2		73-75
DART - SPORT 340	340		5.6		73
DART - SPORT 360	360		5.9		74-75
DART - SWINGER	170		2.8		69
	198		3.2		70-74
	225	3687	3.7	Cast Crankshaft	76
	225	3687	3.7	Forged Crankshaft	69-76
	273		4.5		69
	318		5.2		69-76
	340		5.6		69-71
	360		5.9		76
DAYTONA	135		2.2		84-90
	153	2507	2.5		86-93
	181	2972	3.0	Mits 6G72 SOHC	90-93
DAYTONA - ES	153	2507	2.5		89-93
	181	2972	3.0	Mits 6G72 SOHC	90-93
DAYTONA - IROC	153	2507	2.5		91-92
	181	2972	3.0	Mits 6G72 DOHC	91
	181	2972	3.0	Mits 6G72 SOHC	92-93
DAYTONA - IROC R/T	135		2.2		92-93
DAYTONA - PACIFICA	135		2.2		87-88
DAYTONA - SHELBY	135		2.2		89-90
	153	2507	2.5		89-91
DAYTONA - SHELBY Z	135		2.2		87-88
DAYTONA - TURBO	135		2.2		84-85
DAYTONA - TURBO Z	135		2.2		86
DIPLOMAT	225	3687	3.7	Cast Crankshaft	78-81
	318		5.2		77-81
	360		5.9		78-79
DIPLOMAT - MEDALLION	225	3687	3.7	Cast Crankshaft	78-83
	318		5.2		77-83
	360		5.9		78-79
DIPLOMAT - S	225	3687	3.7	Cast Crankshaft	78
	318		5.2		78
DIPLOMAT - SALON	225	3687	3.7	Cast Crankshaft	79-83
	318		5.2		79-89
	360		5.9		79
DIPLOMAT - SE	318		5.2		84-89
DIPLOMAT - SPORT	225	3687	3.7	Cast Crankshaft	81
	318		5.2		81
DURANGO	226		3.7		04-05
	239		3.9	OHV	98-99
	285		4.7		02-05
	287		4.7		00-01
	318		5.2		98-00
	345		5.7	Hemi	04-05
	360		5.9		98-03
DURANGO - ADVENTURER	285		4.7		06
	345		5.7	Hemi	06
DURANGO - LIMITED	285		4.7		06
	345		5.7	Hemi	06
DURANGO - SLT	226		3.7		06
	285		4.7		06
	345		5.7	Hemi	06
DURANGO - SXT	226		3.7		06
	285		4.7		06
DYNASTY	153	2507	2.5		88-93
	181	2972	3.0	Mits 6G72 SOHC	88-93
	201		3.3	OHV	90-93
DYNASTY - LE	153	2507	2.5		88
	181	2972	3.0	Mits 6G72 SOHC	88-93
	201		3.3	OHV	90-93
GRAND CARAVAN	148	2429	2.4	DOHC	96-97
	181	2972	3.0	Mits 6G72 SOHC	94-00
	201		3.3	OHV	97-06
	230		3.8	OHV	98-05
GRAND CARAVAN - ES	201		3.3	OHV	93-01
	230		3.8	OHV	94-01
GRAND CARAVAN - LE	181	2972	3.0	Mits 6G72 SOHC	88-89
	201		3.3	OHV	90-97
	230		3.8	OHV	94-97
GRAND CARAVAN - SE	148	2429	2.4	DOHC	96-97
	153	2507	2.5		88
	181	2972	3.0	Mits 6G72 SOHC	88-97
	201		3.3	OHV	90-06
	230		3.8	OHV	97
GRAND CARAVAN - SPORT	201		3.3	OHV	01-03
	230		3.8	OHV	01-03
GRAND CARAVAN - SXT	230		3.8	OHV	06
INTREPID	167	2700	2.7		98-01
	197	3200	3.2	SOHC	98-01
	201		3.3	OHV	93-97
	215	3497	3.5	SOHC (Aluminum Block)	00-01
	215	3497	3.5	SOHC (Cast Iron Block)	93-97
INTREPID - ES	167	2700	2.7		00-01
	197	3200	3.2	SOHC	00
	201		3.3	OHV	93-95
	215	3497	3.5	SOHC (Aluminum Block)	02-04
	215	3497	3.5	SOHC (Cast Iron Block)	93-97

DODGE MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
INTREPID - POLICE	215	3497	3.5	SOHC (Aluminum Block)	04
INTREPID - R/T	215	3497	3.5	SOHC (Aluminum Block)	00-02
INTREPID - SE	167	2700	2.7		02-04
INTREPID - SXT	215	3497	3.5	SOHC (Aluminum Block)	03-04
LANCER	135		2.2		85-89
	153	2507	2.5		86-89
	170		2.8		62
	225	3687	3.7	Forged Crankshaft	61-62
	413		6.8		61-62
LANCER - ES	135		2.2		85-88
	153	2507	2.5		86-89
LANCER - SHELBY	135		2.2		89
	153	2507	2.5		89
M300	318		5.2		74
	440		7.2		74
M350	318		5.2		74
	440		7.2		74
MAGNUM - R/T	345		5.7	Hemi	05-06
MAGNUM - SE	167	2700	2.7		05-06
	215	3497	3.5	SOHC (Aluminum Block)	06
MAGNUM - SXT	215	3497	3.5	SOHC (Aluminum Block)	05-06
MAGNUM - SXT SPECIAL EDITION	215	3497	3.5	SOHC (Aluminum Block)	05
MAGNUM - XE	318		5.2		78-79
	360		5.9		78-79
	400		6.6		78
MATADOR	318		5.2		60
	361		5.9		60
MINI RAM	135		2.2		84-87
	153	2507	2.5		87-88
	156	2555	2.6	Mits G54B (SOHC)	84-87
	181	2972	3.0	Mits 6G72 SOHC	87-88
MIRADA	225	3687	3.7	Cast Crankshaft	80-83
	318		5.2		80-83
	360		5.9		80
MONACO	225	3687	3.7	Cast Crankshaft	77-78
	318		5.2		68-78
	360		5.9		71-78
	383		6.3		67-71
	400		6.6		72-78
	413		6.8		65
	426		7.0	(Excl. Hemi)	65
	426		7.0	Hemi	65-66
	440		7.2		66-78
MONACO - 500	318		5.2		68
	383		6.3		68
	440		7.2		68
MONACO - BROUGHAM	225	3687	3.7	Cast Crankshaft	77-78
	318		5.2		77-78
	360		5.9		74-78
	400		6.6		74-78
	440		7.2		74-78
MONACO - CRESTWOOD	360		5.9		77-78
	400		6.6		77-78
MONACO - CUSTOM	360		5.9		74
	400		6.6		74
	440		7.2		74
MONACO - ES	181	2972	3.0	Mits 6G72 SOHC	90-92
MONACO - LE	181	2972	3.0	Mits 6G72 SOHC	90-92
NEON	122	1996	2.0	16V DOHC	96-99
	122	1996	2.0	16V SOHC	95-01
NEON - ACR	122	1996	2.0	16V SOHC	02
NEON - HIGHLINE	122	1996	2.0	16V DOHC	96-97
	122	1996	2.0	16V SOHC	95-97
NEON - R/T	122	1996	2.0	16V SOHC	01-04
NEON - SE	122	1996	2.0	16V SOHC	02-05
NEON - SPORT	122	1996	2.0	16V DOHC	95-97
	122	1996	2.0	16V SOHC	95-97
NEON - SXT	122	1996	2.0	16V SOHC	03-05
OMNI	135		2.2		81-90
OMNI - 024	135		2.2		81-82
OMNI - 024 MISER	135		2.2		81-82
OMNI - CUSTOM	135		2.2		83
OMNI - E-TYPE	135		2.2		82
OMNI - MISER	135		2.2		81-82
OMNI - SE	135		2.2		84-86
P100	225	3687	3.7	Forged Crankshaft	68
P200	225	3687	3.7	Forged Crankshaft	68-72
	360		5.9		70-72
P200 - POST OFFICE	225	3687	3.7	Forged Crankshaft	68
P300	225	3687	3.7	Forged Crankshaft	68-72
	360		5.9		71-72
POLARA	170		2.8		63-64
	225	3687	3.7	Forged Crankshaft	63-71
	273		4.5		64-67
	318		5.2		60-73
	360		5.9		71-73
	361		5.9		60-64
	383		6.3		68-71
	400		6.6		72-73
	413		6.8		61-65
	426		7.0	(Excl. Hemi)	64-65
	426		7.0	Hemi	64-67
	440		7.2		66-73
POLARA - 500	318		5.2		68-69
	383		6.3		68-69
	440		7.2		68-69
POLARA - BROUGHAM	383		6.3		71
	440		7.2		71
POLARA - CUSTOM	225	3687	3.7	Forged Crankshaft	70
	318		5.2		70-73
	360		5.9		71-73
	383		6.3		70-71
	400		6.6		72-73
	440		7.2		70-73
POWER RAM 50		2555	2.6	Mits G54B (SOHC)	83
	156	2555	2.6	Mits G54B (SOHC)	85-86
RAIDER	156	2555	2.6	Mits G54B (SOHC)	87-89
	181	2972	3.0	Mits 6G72 SOHC	89
RAM 1500 - LARAMIE	285		4.7		06
	345		5.7	Hemi	06
RAM 1500 - SLT	285		4.7		06
	345		5.7	Hemi	06
RAM 1500 - SLT SPORT	345		5.7	Hemi	06
RAM 1500 - SLT TRX4	345		5.7	Hemi	06
RAM 1500 - SPORT	345		5.7	Hemi	06
RAM 1500 - ST	226		3.7		06
	285		4.7		06
	345		5.7	Hemi	06
RAM 1500 - TRX4	285		4.7		06
	345		5.7	Hemi	06
RAM 1500 PICKUP	225		3.7		02-04
	226		3.7		05
	239		3.9	OHV	94-01
	285		4.7		05
	287		4.7		02-04
	318		5.2		94-01
	345		5.7	Hemi	03-05
	360		5.9		94-03
RAM 1500 VAN	239		3.9	OHV	99-03
	318		5.2		99-03
	360		5.9		99-03
RAM 2500 - LARAMIE	345		5.7	Hemi	06
RAM 2500 - POWER WAGON	345		5.7	Hemi	06
RAM 2500 - SLT	345		5.7	Hemi	06
RAM 2500 - SPORT	345		5.7	Hemi	06
RAM 2500 - ST	345		5.7	Hemi	06
RAM 2500 - TRX4	345		5.7	Hemi	06
RAM 2500 PICKUP	488	7990	8.0		94-03
	318		5.2		94-98
	345		5.7	Hemi	03-05
	360		5.9		94-02
RAM 2500 VAN	318		5.2		99-03
	360		5.9		99-03
RAM 3500 - SPORT	345		5.7	Hemi	06
RAM 3500 - ST	345		5.7	Hemi	06
RAM 3500 PICKUP	488	7990	8.0		94-03

DODGE MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
RAM 3500 PICKUP	345		5.7	Hemi	03-05
	360		5.9		94-02
RAM 3500 PICKUP - QUAD CAB	360		5.9		98
RAM 3500 VAN	318		5.2		99-03
	360		5.9		99-03
RAM 50	122	1995	2.0	Mits 4G63/G63B	87-89
		2351	2.4	Mits 4G64	90-93
	156	2555	2.6	Mits G54B (SOHC)	85-89
	181	2972	3.0	Mits 6G72 DOHC	91
	181	2972	3.0	Mits 6G72 SOHC	90-91
RAM 50 - CUSTOM	122	1995	2.0	Mits 4G63/G63B	84-86
	122	1997	2.0	Mits 4G52/G52B	83
	156	2555	2.6	Mits G54B (SOHC)	84-89
RAM 50 - ROYAL	122	1995	2.0	Mits 4G63/G63B	84
	143	2346	2.3	Mits 4D55	83-85
	156	2555	2.6	Mits G54B (SOHC)	83-85
RAM 50 - SE		2351	2.4	Mits 4G64	90-93
	181	2972	3.0	Mits 6G72 DOHC	91
	181	2972	3.0	Mits 6G72 SOHC	91
RAM 50 - SPORT	143	2346	2.3	Mits 4D55	83-84
	156	2555	2.6	Mits G54B (SOHC)	83-89
RAMCHARGER	225	3687	3.7	Cast Crankshaft	76-80
	225	3687	3.7	Forged Crankshaft	74-76
	318		5.2		74-93
	360		5.9		74-93
	400		6.6		76-78
	440		7.2		74-78
RAMPAGE	135		2.2		82-84
RAMPAGE - 2+2	135		2.2		84
RD200	318		5.2		78-79
	360		5.9		78-79
RD200 PICKUP	318		5.2		80
	360		5.9		80
ROYAL MINI RAM	135		2.2		84-87
	156	2555	2.6	Mits G54B (SOHC)	84-87
	181	2972	3.0	Mits 6G72 SOHC	87
ROYAL MONACO	318		5.2		75-77
	360		5.9		75-77
	400		6.6		75-77
	440		7.2		75-77
ROYAL MONACO - BROUGHAM	360		5.9		75-77
	400		6.6		75-77
	440		7.2		75-77
SHADOW	135		2.2		87-94
	153	2507	2.5		88-94
	181	2972	3.0	Mits 6G72 SOHC	93
SHADOW - AMERICA	135		2.2		91-92
	153	2507	2.5		92
SHADOW - ES	153	2507	2.5		91-94
	181	2972	3.0	Mits 6G72 SOHC	92-94
SHADOW - SHELBY	135		2.2		89
SPIRIT	153	2507	2.5		89-95
	181	2972	3.0	Mits 6G72 SOHC	90-95
SPIRIT - ES	153	2507	2.5		89-93
	181	2972	3.0	Mits 6G72 SOHC	89-93
SPIRIT - LE	153	2507	2.5		89-92
	181	2972	3.0	Mits 6G72 SOHC	90-92
SPIRIT - R/T	135		2.2		91-92
ST. REGIS	225	3687	3.7	Cast Crankshaft	79-81
	318		5.2		79-81
	360		5.9		79-80
STEALTH	181	2972	3.0	Mits 6G72 DOHC	91-96
	181	2972	3.0	Mits 6G72 SOHC	91-92
STEALTH - ES	181	2972	3.0	Mits 6G72 DOHC	91-93
STEALTH - R/T	181	2972	3.0	Mits 6G72 DOHC	91-96
STEALTH - R/T SPORT	181	2972	3.0	Mits 6G72 DOHC	94-95
STEALTH - R/T TURBO	181	2972	3.0	Mits 6G72 DOHC	91-96
STRATUS	122	1996	2.0	16V SOHC	95-00
	148	2429	2.4	DOHC	95-02
	152	2497	2.5	Mits 6G73	99-00
	167	2700	2.7		01-05
	181	2972	3.0	Mits 6G72 SOHC	01
STRATUS - ES	122	1996	2.0	16V SOHC	95-97
	148	2429	2.4	DOHC	95-98
	152	2497	2.5	Mits 6G73	95-98
STRATUS - R/T	167	2700	2.7		06
	181	2972	3.0	Mits 6G72 SOHC	02-05
STRATUS - SXT	167	2700	2.7		06
TRUCK	170		2.8		60
	318		5.2		59
VIPER	488	7990	8.0		92-02
VIPER - GTS	488	7990	8.0		96-02
VIPER - RT10	488	7990	8.0		00-02
W100 PICKUP	225	3687	3.7	Cast Crankshaft	76-87
	225	3687	3.7	Forged Crankshaft	68-76
	239		3.9	OHV	89
	318		5.2		68-89
	360		5.9		72-88
	383		6.3		68-71
	400		6.6		71-77
	440		7.2		74-77
W100 SERIES	225	3687	3.7	Forged Crankshaft	60-67
	318		5.2		60-67
W150 PICKUP	225	3687	3.7	Cast Crankshaft	78-87
	239		3.9	OHV	89-93
	318		5.2		77-93
	360		5.9		77-93
	400		6.6		77-78
	440		7.2		78
W150 PICKUP - S	239		3.9	OHV	90-91
	318		5.2		90-91
	360		5.9		91
W200 PICKUP	225	3687	3.7	Cast Crankshaft	76-80
	225	3687	3.7	Forged Crankshaft	69-76
	318		5.2		69-80
	360		5.9		71-80
	383		6.3		69-71
	400		6.6		71-78
	440		7.2		74-78
W200 SERIES	225	3687	3.7	Forged Crankshaft	60-67
	318		5.2		60-67
W250 PICKUP	318		5.2		81-93
	360		5.9		81-93
W300 PICKUP	225	3687	3.7	Cast Crankshaft	76-78
	225	3687	3.7	Forged Crankshaft	68-76
	318		5.2		68-80
	360		5.9		71-80
	383		6.3		68-69
	400		6.6		76-78
	440		7.2		75-78
W300 SERIES	225	3687	3.7	Forged Crankshaft	63-67
	318		5.2		60-67
W350 PICKUP	318		5.2		82-83
	360		5.9		81-93
WM300 POWER WAGON	318		5.2		60-62

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1410cc (1.4) Mits G12B			**2**	**L4**	**74mm x 82mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**			
1410cc (1.4) Mits G12B			**A**	**L4**	**74mm x 82mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**			
1410cc (1.4) Mits G12B			**J**	**L4**	**74mm x 82mm**				
	Rod								
4B1736 Std. .25 .50 .75 1.0		41.981/1.6528 42.000/1.6535	45.000/1.7717 45.020/1.7724	1.493/0.0588	.015/.0006 .071/.0028	17.63/0.694	F820	8	1736AL IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 1
Main - full groove on #1,2,4,5 positions.									
1,2,4,5	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .076/.0030	19.13/0.753	F820	8	1737AL IH	**5M1737** Std. .25 .50 .75 1.0
3(FI)	47.980/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .076/.0030	23.95/0.943	F820	2	1738AL IH	
Overflange length remains constant for standard and undersizes.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
90 1468cc (1.5) Mits G15B/4G15	**A**	**L4**	**75.5mm x 82mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**	2
90 1468cc (1.5) Mits G15B/4G15	**K**	**L4**	**75.5mm x 82mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**	
90 1468cc (1.5) Mits G15B/4G15	**P**	**L4**	**75.5mm x 82mm**		
90 1468cc (1.5) Mits G15B/4G15	**X**	**L4**	**75.5mm x 82mm**		

Rod - for engines 8/88-1994.									
	41.981/1.6528 42.000/1.6535	45.000/1.7717 45.020/1.7724	1.493/0.0588	.015/.0006 .079/.0031	15.60/0.614	F810	8	1130A IH	**4B1130** Std. .25 .50 .75 1.0
Rod - for engines 1985 - 8/88 only.									
	41.981/1.6528 42.000/1.6535	45.000/1.7717 45.020/1.7724	1.493/0.0588	.015/.0006 .071/.0028	17.63/0.694	F820	8	1736AL IH	**4B1736** Std. .25 .50 .75 1.0
Main									
1,2,4,5	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .085/.0033	19.13/0.753	F810	8	1124A U/L	**5M1124** Std. .25 .50 .75
3(FI)	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .085/.0033	23.95/0.943	F810	2	1125A IH	
Overflange length remains constant for standard and undersizes.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
1595cc (1.6) Mits 4G61 (DOHC)		**L4**	**82.3mm x 75mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**	3
1595cc (1.6) Mits 4G61T (DOHC) Turbo		**L4**	**82.3mm x 75mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**	

Rod									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH	**4B1146** Std. .25 .50 .75 1.0
Main									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U	**5M1144** Std. .25 .50 .75 1.0
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH	
Overflange length remains constant for standard and undersizes.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
98 1597cc (1.6) Mits 4G32/G32B	**3**	**L4**	**76.9mm x 86mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**	4
98 1597cc (1.6) Mits 4G32/G32B	**B**	**L4**	**76.9mm x 86mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**	
98 1597cc (1.6) Mits 4G32/G32B Turbo	**F**	**L4**	**76.9mm x 86mm**		
98 1597cc (1.6) Mits 4G32/G32B	**K**	**L4**	**76.9mm x 86mm**		
98 1597cc (1.6) Mits 4G32/G32B	**Y**	**L4**	**76.9mm x 86mm**		
98 1597cc (1.6) Mits 4G32/G32B Turbo	**Z**	**L4**	**76.9mm x 86mm**		

Rod									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH	**4B1146** Std. .25 .50 .75 1.0

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
4 (Cont'd.)									
	Main								
5M1144 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L
	3 (Fl)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
	Overflange length remains constant for standard and undersizes.								
	Balance Shaft								
3BS8385 Std.	RHF	38.974/1.5344 (Max.)	42.024/1.6545 (Max.)	1.506/0.0593	.020/.0008 .076/.0030	19.25/0.758	F830	1	SH1465
	RHR, LHR	35.977/1.4164 (Max.)	39.025/1.5364 (Max.)	1.496/0.0589	.043/.0017 .099/.0039	16.00/0.630	F830	2	SH1466
	Cam Tower - Includes oil holes for upper position and wide bearings for #1 position.Line bore tunnel to 1.4966"/1.4976" (38.014/38.038mm).								
5SC761 Std.	1	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	22.96/0.904	F23	2	SC762 U/L
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC761 U
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC760 L

5 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1754cc (1.8) Mits G37B (8V SOHC)	**T**	**L4**	**80.6mm x 86mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm** **Main Bearing 36-40 ft.lbs/49-54 Nm**

	Rod								
4B1146 Std. .25 .50 .75 1.0		44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH
	Main								
5M1144 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L
	3 (Fl)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
	Overflange length remains constant for standard and undersizes.								
	Balance Shaft								
3BS8387 Std.	RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
	RHR, LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	2	8388

6 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
112 1834cc (1.8) Mits 4G93	**C**	**L4**	**81mm x 89mm**	**Connecting Rod 15 ft.lbs/20 Nm + 1/4 turn**
112 1834cc (1.8) Mits 4G93	**D**	**L4**	**81mm x 89mm**	**Main Bearing 18 ft.lbs/25 Nm + 1/4 turn** Tighten main bearing caps from center, working towards end caps.

	Rod								
4B8036 Std. .25 .50 .75 1.0		44.980/1.7709 45.000/1.7717	48.000/1.8898 48.015/1.8904	1.492/0.0587	.016/.0006 .077/.0030	16.80/0.661	F780	8	8036 IH
	To be superceded by 4B8036A when stock exhausted.								
	Rod								
4B8036A Std. .25 .50 .75 1.0		44.980/1.7709 45.000/1.7717	48.000/1.8898 48.015/1.8904	1.492/0.0587	.016/.0006 .077/.0030	16.80/0.661	F810	8	8036A IH
	Main								
5M8037 Std. .25 .50	1-5	49.982/1.9678 50.000/1.9685	54.000/2.1260 54.018/2.1267	1.991/0.0784	.018/.0007 .080/.0031	19.13/0.753	F780	10	8037 U/L
	To be superceded by 5M8037A when stock exhausted.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 6
Main									
1-5	49.982/1.9678 50.000/1.9685	54.000/2.1260 54.018/2.1267	1.991/0.0784	.018/.0007 .080/.0031	19.13/0.753	F810	10	8037A U/L	**5M8037A** Std. .25 .50 .75 1.0
Thrust									
3	56.000/2.2047 56.250/2.2146	75.400/2.9685 75.700/2.9803			1.98/0.078	F817	2	8037T IH	**1T8037** Std.
Set includes 2 pieces, use on number 3 position. Required with 5M8037.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
122 1995cc (2.0) Mits 4G52/G52B	**U**	**L4**	**84mm x 90mm**	**Connecting Rod 33-34 ft.lbs/45-47 Nm**
122 1997cc (2.0) Mits 4G52/G52B	**5**	**L4**	**84mm x 90mm**	**Main Bearing 55-61 ft.lbs/75-83 Nm**

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Rod									
	52.973/2.0855 53.000/2.0866	56.007/2.2050 56.021/2.2055	1.493/0.0588	.021/.0008 .076/.0030	25.13/0.989	F820	8	1136AL IH	**4B1136** Std. .25 .50 .75 1.0
Main - to suit engines with 66mm/2.5984" journals 74 - 7/78.									
1,2,4,5	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	25.13/0.989	F780	8	1137 U/L	**5M1137** Std. .25 .50 .75 1.0
3 (FI)	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	30.95/1.219	F780	2	1138 IH	
Overflange length remains constant for standard and undersizes.									
Main - to suit engines with 60mm/2.3622" journals 8/78 - on.									
1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U	**5M1139** Std. .25 .50 .75 1.0
1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L	
3 (FI)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	30.95/1.219	F820	2	1135AL IH	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 5M1139 with overflange length increase for undersizes. *See below for dimensional information.									
1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U	**5M1143** .25 .50 .75 1.0
1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L	
3 (FI)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	(See Table)	F820	2	1143AL IH	

*** DIMENSIONAL INFORMATION FOR 5M1143**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.223"/31.05mm	+0.004"/0.10mm
0.50 mm u/s shaft	1.226"/31.13mm	+0.007"/0.18mm
0.75 mm u/s shaft	1.229"/31.21mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.232"/31.29mm	+0.013"/0.34mm

Balance Shaft - repair bushing. Single piece +.173" OD. Line bore housing to 1.985"/1.986".									
	43.009/1.6933 43.025/1.6939	50.419/1.9850 50.444/1.9860	3.680/0.1450	.025/.0010 .089/.0035	20.24/0.797	F23	1	8288 OOD	**1BS8288** Std.
Balance Shaft - grooved number 2 & 3 position bearings.									
2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8288	**3BS8288** Std. .25
1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289	
Balance Shaft - ungrooved number 2 & 3 position bearings.									
2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8369	**3BS8369** Std. .25
1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 (Cont'd.)									
	Cam Tower - Includes oil holes for upper position and wide bearings for #1 position.Line bore tunnel to 1.4966"/1.4976" (38.014/38.038mm).								
5SC761 Std.	1	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	22.96/0.904	F23	2	SC762 U/L
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC761 U
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC760 L

8 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
122 1995cc (2.0) Mits 4G63/G63B	**D**	**L4**	**85mm x 88mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**
122 1997cc (2.0) Mits 4G63/G63B	**D**	**L4**	**85mm x 88mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**
122 1997cc (2.0) Mits 4G63 DOHC	**R**	**L4**	**85mm x 88mm**	
122 1997cc (2.0) Mits 4G63/G63B	**V**	**L4**	**85mm x 88mm**	

	Rod								
4B1146 Std. .25 .50 .75 1.0		44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH
	Main - half groove.								
5M1144 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
	Overflange length remains constant for standard and undersizes.								
	Main - full groove.								
5M1147 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.00/0.906	F810	8	1147A IH
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
	Overflange length remains constant for standard and undersizes.								
	Balance Shaft - for all engines from 1984-7/85.								
3BS8387 Std.	RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
	RHR, LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	2	8388
	Balance Shaft - for all engines from 8/85 on.								
3BS8389 Std. .25 .50	RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
	LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388
	RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389

9 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
122 1996cc (2.0) 16V SOHC	**C**	**L4**	**87.5mm x 83mm**	**Connecting Rod 20 ft.lbs + 90 deg**
122 1996cc (2.0) 16V SOHC	**F**	**L4**	**87.5mm x 83mm**	**Main Bearing 22 ft.lbs** M8 bolts with bedplate
122 1996cc (2.0) 16V DOHC	**Y**	**L4**	**87.5mm x 83mm**	**Main Bearing 30 ft.lbs + 90 deg** M10 bolts only
122 1996cc (2.0) 16V SOHC (ECB)	**C**	**L4**	**87.5mm x 83mm**	**Main Bearing 40 ft.lbs** M10 bolts with bedplate
122 1996cc (2.0) 16V DOHC (ECC)	**Y**	**L4**	**87.5mm x 83mm**	**Main Bearing 60 ft.lbs** M11 bolts only
122 1996cc (2.0) 16V DOHC (ECF)	**Y**	**L4**	**87.5mm x 83mm**	

	Rod								
4B1635P Std. .25 .50 .75 1.0		47.991/1.8894 48.006/1.8900	50.991/2.0075 51.006/2.0081	1.490/0.0587	.005/.0002 .061/.0024	20.50/0.807	F780	8	7171 IH
	Rod - .002" oversize OD version of 4B1635P.								
4B1635PO/S2 Std. .25 .50 .75		47.991/1.8894 48.006/1.8900	51.041/2.0095 51.056/2.0101	1.640/0.0646 (@ .25 mm u/s)	.005/.0002 .061/.0024	20.50/0.807	F780	8	9091 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 9
Main - suits engines from 1996 on.									
1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	19.96/0.786	F780	8	4342 U/L	**5M2028P** Std. .25 .50 .75
3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	26.26/1.034	F780	2	4343 U/L	
Overflange length remains constant for standard and undersizes.									
Main - .002" oversize OD version of 5M2028P.									
1,2,4,5	51.991/2.0469 52.006/2.0475	56.048/2.2066 56.058/2.2070	2.011/0.0792 (@ STD u/s)	.018/.0007 .071/.0028	19.96/0.786	F780	8	9093 U/L	**5M2028PO/S2** .25 .50 .75
3 (FI)	51.991/2.0469 52.006/2.0475	56.048/2.2066 56.058/2.2070	2.011/0.0792 (@ STD u/s)	.018/.0007 .071/.0028	26.26/1.034	F780	2	9094 U/L	
Overflange length remains constant for standard and undersizes.									
Main - 1995 engines only (opposite tang position in lower half).									
1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	19.96/0.786	F780	4	4372 L	**5M4372P** Std. .25 .50 .75
1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	19.96/0.786	F780	4	4342 U	
3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	26.26/1.034	F780	1	4373 L	
3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	26.26/1.034	F780	1	4343 U	
Cam - SOHC Engines only.									
1	41.123/1.6190 41.145/1.6199	43.269/1.7035 (Nominal)	1.026/0.0404		20.70/0.815	F23	1	PDA-3-1	**5C1004S** Std.
2	41.504/1.6340 41.529/1.6350	43.675/1.7195 (Nominal)	1.031/0.0406		19.68/0.775	F23	1	PDA-3-2	
3	41.910/1.6500 41.935/1.6510	44.056/1.7345 (Nominal)	1.021/0.0402		19.68/0.775	F23	1	PDA-3-3	
4	42.316/1.6660 42.367/1.6680	44.463/1.7505 (Nominal)	1.026/0.0404		19.68/0.775	F23	1	PDA-3-4	
5	42.723/1.6820 42.746/1.6829	44.869/1.7665 (Nominal)	1.026/0.0404		18.92/0.745	F23	1	PDA-3-5	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 10
135 (2.2)	**8**	**L4**	**87.5mm x 92mm**	**Connecting Rod 40 ft.lbs/54 Nm + 1/4 turn**
135 (2.2) Turbo	**A**	**L4**	**87.5mm x 92mm**	**Main Bearing 30 ft.lbs/41 Nm + 1/4 turn**
135 (2.2)	**B**	**L4**	**87.5mm x 92mm**	
135 (2.2)	**C**	**L4**	**87.5mm x 92mm**	
135 (2.2) Turbo	**C**	**L4**	**87.5mm x 92mm**	
135 (2.2)	**D**	**L4**	**87.5mm x 92mm**	
135 (2.2) Turbo	**E**	**L4**	**87.5mm x 92mm**	
153 2507cc (2.5)	**G**	**L4**	**87.5mm x 108mm**	
153 2507cc (2.5) Turbo	**J**	**L4**	**87.5mm x 108mm**	
153 2507cc (2.5)	**K**	**L4**	**87.5mm x 108mm**	

Rod									
	49.980/1.9677 50.005/1.9687	52.989/2.0862 53.007/2.0869	1.483/0.0584	.018/.0007 .087/.0034	20.04/0.789	F780	8	4360 IH	**4B1269P** Std. 10 20 30 40
Main - All engines									
1,2,4,5	59.987/2.3617 60.013/2.3627	63.990/2.5193 64.008/2.5200	1.976/0.0778	.025/.0010 .095/.0037	21.46/0.845	F780	8	4358 IH	**5M1533P** Std. 10 20 30 40
3 (FI)	59.987/2.3617 60.013/2.3627	63.990/2.5193 64.008/2.5200	1.976/0.0778	.025/.0010 .095/.0037	27.86/1.097	F780	2	4359 IH	
Overflange length remains constant for standard and undersizes.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
10 (Cont'd.)									
	Main - optional set to 5M1533P with +0.010" overflange length increase. *See below for dimensional information.								
5M4369P 10 20 30 40	1,2,4,5	59.987/2.3617 60.013/2.3627	63.990/2.5193 64.008/2.5200	1.976/0.0778	.025/.0010 .095/.0037	21.46/0.845	F780	8	4358 IH
	3 (Fl)	59.987/2.3617 60.013/2.3627	63.990/2.5193 64.008/2.5200	1.976/0.0778	.025/.0010 .095/.0037	28.12/1.107	F780	2	4369 IH
	Stock not available from fee warehouses.								
	Balance Shaft - 2.5L engines only (semi-finished)								
2BS1403S Semi		42.012/1.6540 (Nominal)	45.350/1.7854 45.410/1.7878	2.032/0.0800 (Semi)		22.10/0.870	F23	2	PDG-29-1
	Balance Shaft - 2.2L engines only.								
2C026S Std.	1	42.670/1.6799 42.695/1.6809	45.970/1.8098 46.030/1.8122	1.633/0.0643		19.05/0.750	F23	1	PDG-26-1
	2	19.670/0.7744 19.693/0.7753	22.970/0.9043 23.030/0.9067	1.633/0.0643		21.08/0.830	F23	1	PDG-26-2

*** DIMENSIONAL INFORMATION FOR 5M4369P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.107"	+0.010"
.020" u/s shaft	1.107"	+0.010"
.030" u/s shaft	1.107"	+0.010"
.040" u/s shaft	1.107"	+0.010"

11 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
143 2346cc (2.3) Mits 4D55 Turbo Diesel	**9**	**L4**	**91.1mm x 90mm**	**Connecting Rod 33-34 ft.lbs/45-47 Nm Main Bearing 55-61 ft.lbs/75-83 Nm**
143 2346cc (2.3) Mits 4D55 Turbo Diesel	**J**	**L4**	**91.1mm x 90mm**	

	Rod								
4B1136 Std. .25 .50 .75 1.0		52.973/2.0855 53.000/2.0866	56.007/2.2050 56.021/2.2055	1.493/0.0588	.021/.0008 .076/.0030	25.13/0.989	F820	8	1136AL IH
	Main								
5M1137 Std. .25 .50 .75 1.0	1,2,4,5	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	25.13/0.989	F780	8	1137 U/L
	3 (Fl)	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	30.95/1.219	F780	2	1138 IH
	Overflange length remains constant for standard and undersizes.								
	Balance Shaft								
3BS8288 Std. .25	2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8288
	1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289
	Small End - Not bored - single pieces.								
RB4091 Semi		29.000/1.1417	32.000/1.2598			31.90/1.256	F100	1	RB4091

12 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2351cc (2.4) Mits 4G64	**G**	**L4**	**86.5mm x 100mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**
2351cc (2.4) Mits 4G64	**W**	**L4**	**86.5mm x 100mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**

	Rod - For engines to 5/92 only.								
4B1146 Std. .25 .50 .75 1.0		44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH
	Rod - For engines from 6/92 on.								
4B1185 Std. .25 .50 .75 1.0		44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.493/0.0588	.016/.0006 .078/.0031	21.10/0.831	F810	8	1185A IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 12
Main - for engines to 5/92 only.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1153A L	**5M1153** Std. .25 .50 .75
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1154A IH	
Overflange length remains constant for standard and undersizes.									
Main - for engines from 6/92 on.									
1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L	**5M1186** Std. .25 .50 .75 1.0
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	25.40/1.000	F810	2	1187A IH	
Overflange length remains constant for standard and undersizes.									
Main - Alt set to 5M1186 with +0.010" overflange length increase. * See dimensional information below.									
1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L	**5M1213** .25 .50 .75 1.0
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	25.65/1.010	F810	2	1213A IH	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M1213**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.50 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.75 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Balance Shaft									
RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387	**3BS8389** Std. .25 .50
LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388	
RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 13
148 2429cc (2.4) DOHC	**B**	**L4**	**87.5mm x 101mm**	**Connecting Rod 21 ft.lbs/28 Nm + 90 deg turn**
148 2429cc (2.4) DOHC	**X**	**L4**	**87.5mm x 101mm**	**Main Bearing 25 ft.lbs/34 Nm** (M8 Bedplate Bolts)
148 2429cc (2.4) DOHC (EDZ)	**X**	**L4**	**87.5mm x 101mm**	**Main Bearing 30 ft.lbs/41 Nm + 90 deg turn** (M11 Main Cap Bolts)

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod									
	50.007/1.9688 50.025/1.9695	52.995/2.0864 53.007/2.0869	1.483/0.0584	.004/.0002 .060/.0024	20.13/0.793	F780	8	4565 IH	**4B4565P** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 4B4565P.									
	50.007/1.9688 50.025/1.9695	53.045/2.0884 53.057/2.0889	1.633/0.0643 (@ 0.25 mm u/s)	.004/.0002 .060/.0024	20.13/0.793	F780	8	9096 IH	**4B4565PO/S2** .25 .50 .75 1.0
Main									
1,2,4,5	59.992/2.3619 60.007/2.3625	64.000/2.5197 64.013/2.5202	1.984/0.0781	.018/.0007 .058/.0023	21.62/0.851	F780	8	7312 IH	**5M7313P** Std. .25 .50 .75
3 (FI)	59.992/2.3619 60.007/2.3625	64.000/2.5197 64.013/2.5202	1.984/0.0781	.017/.0007 .058/.0023	27.86/1.097	F780	2	7313 U/L	
Overflange length remains constant for standard and undersizes.									
Main - .002" oversize OD version of 5M7313P.									
1,2,4,5	50.992/2.0076 60.007/2.3625	64.051/2.5217 64.063/2.5222	2.134/0.0840 (@ 0.25mm u/s)	.018/.0007 .058/.0023	21.62/0.851	F780	8	9097 IH	**5M7313PO/S2** .25 .50 .75
3 (FI)	59.992/2.3619 60.007/2.3625	64.051/2.5217 64.063/2.5222	2.134/0.0840 (@ 0.25mm u/s)	.017/.0007 .058/.0023	27.86/1.097	F780	2	9098 U/L	
Overflange length remains constant for standard and undersizes.									

DODGE

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
14 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
153 2507cc (2.5) AMC Eng.			**P L4**	**3.88 x 3.19**		**Connecting Rod 33 ft.lbs/45 Nm Main Bearing 80 ft.lbs/108 Nm**			
	Rod								
4B960P Std. 01 10 20 30 40 50		53.208/2.0948 53.226/2.0955	56.083/2.2080 56.096/2.2085	1.425/0.0561	.017/.0006 .074/.0029	21.26/0.837	F780	8	1480 IH
	Main								
5M1948P Std. 10 20 30	1,3,4,5	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	4	8874 U
	1,3,4,5	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0009 .091/.0036	25.04/0.986	F780	4	8872 L
	2 (FI)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0009 .091/.0036	32.26/1.270	F780	1	8875 U
	2 (FI)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0009 .091/.0036	32.26/1.270	F780	1	8873 L
	Overflange length remains constant for standards and undersizes.								
	Cam								
4C549S Std.	1	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		17.65/0.695	F23	1	N-7-1
	2	51.295/2.0195 51.321/2.0205	54.496/2.1455 54.521/2.1465	1.580/0.0620		17.65/0.695	F23	1	N-7-2
	3	51.041/2.0095 51.067/2.0105	54.242/2.1355 54.267/2.1365	1.580/0.0620		17.65/0.695	F23	1	N-7-3
	4	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		17.65/0.695	F23	1	N-7-4
15 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
152 2497cc (2.5) Mits 6G73			**H V6**	**83.5mm x 76mm**		**Connecting Rod 38 ft.lbs/52 Nm**			
152 2497cc (2.5) Mits 6G73			**N V6**	**83.5mm x 76mm**		**Main Bearings 60 ft.lbs/81 Nm**			
152 2497cc (2.5) Mits 6G73 (EEB)			**H V6**	**83.5mm x 76mm**					
152 2497cc (2.5) Mits 6G73 (EEB)			**N V6**	**83.5mm x 76mm**					
	Rod								
6B1140 Std. .25 .50 .75 1.0		49.972/1.9674 50.000/1.9685	53.000/2.0866 53.020/2.0874	1.493/0.0588	.015/.0006 .089/.0035	15.50/0.610	F810	12	1140A IH
	Main								
4M1149 Std. .25 .50 .75 1.0	1-4	59.980/2.3614 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.988/0.0783	.020/.0008 .086/.0034	18.13/0.714	F810	8	1149A U/L
	Thrust								
2T1149 Std.	3	66.000/2.5984 66.250/2.6083	77.450/3.0492 77.700/3.0590			1.98/0.078	F817	4	1149T U/L
	Note: Set includes 4 pieces, use on No. 3 position. Required with 4M1149 main set.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** — 16

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
2555cc (2.6) Mits G54B (SOHC)	7	L4	91.1mm x 98mm	Connecting Rod 32-35 ft.lbs/44-47 Nm Main Bearing 55-61 ft.lbs/74-83 Nm
156 2555cc (2.6) Mits G54B (SOHC)	7	L4	91.1mm x 98mm	
156 2555cc (2.6) Mits G54B (SOHC)	D	L4	91.1mm x 98mm	
156 2555cc (2.6) Mits G54B (SOHC)	E	L4	91.1mm x 98mm	
156 2555cc (2.6) Mits G54B (SOHC)	F	L4	91.1mm x 98mm	
156 2555cc (2.6) Mits G54B (SOHC)	G	L4	91.1mm x 98mm	
156 2555cc (2.6) Mits G54B (SOHC) Turbo	H	L4	91.1mm x 98mm	
156 2555cc (2.6) Mits G54B (SOHC) Turbo	N	L4	91.1mm x 98mm	
156 2555cc (2.6) Mits G54B (SOHC)	W	L4	91.1mm x 98mm	

Rod

	52.973/2.0855 53.000/2.0866	56.007/2.2050 56.021/2.2055	1.493/0.0588	.021/.0008 .076/.0030	25.13/0.989	F820	8	1136AL IH	**4B1136** Std. .25 .50 .75 1.0

Main - for engines 8/78 on with 60mm/2.3622" main journal diameter only.

1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U	**5M1139** Std. .25 .50 .75 1.0
1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L	
3 (FI)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	30.95/1.219	F820	2	1135AL IH	

Overflange length remains constant for standard and undersizes.

Main - optional set to 5M1139 with overflange width increases for undersizes. *See below for dimensional information.

1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U	**5M1143** .25 .50 .75 1.0
1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L	
3 (FI)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	(See Table)	F820	2	1143AL IH	

*** DIMENSIONAL INFORMATION FOR 5M1143**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.223"/31.05mm	+0.004"/0.10mm
0.50 mm u/s shaft	1.226"/31.13mm	+0.007"/0.18mm
0.75 mm u/s shaft	1.229"/31.21mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.232"/31.29mm	+0.013"/0.34mm

Balance Shaft - repair bushing. Single piece +.173" OD. Line bore housing to 1.985"-1.986".

	43.009/1.6933 43.025/1.6939	50.419/1.9850 50.444/1.9860	3.680/0.1450	.025/.0010 .089/.0035	20.24/0.797	F23	1	8288 OOD	**1BS8288** Std.

Balance Shaft - with grooved #2 & #3 position bearings.

2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8288	**3BS8288** Std. .25
1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289	

Balance Shaft - without grooved #2 & #3 position bearings.

2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8369	**3BS8369** Std. .25
1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
16 (Cont'd.)									
	Cam Tower - Includes oil holes for upper position and wide bearings for #1 position.Line bore tunnel to 1.4966"/1.4976" (38.014/38.038mm).								
5SC761 Std.	1	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	22.96/0.904	F23	2	SC762 U/L
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC761 U
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC760 L

17 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
167 2700cc (2.7)	**R**	**V6**	**86.002 x 78.511**	**Connecting Rod 45 ft.lbs + 90 deg**
167 2700cc (2.7)	**T**	**V6**	**86.002 x 78.511**	**Main Bearing 15 ft.lbs + 90 deg** Inner
167 2700cc (2.7)	**U**	**V6**	**86.002 x 78.511**	**Main Bearing 20 ft.lbs 90 deg** Outer
167 2700cc (2.7) (EER)	**R**	**V6**	**86.002 x 78.511**	

	Rod - High Strength Aluminum Silicon material.								
6B7170A Std. .25 .50 .75 1.0		53.492/2.1060 53.510/2.1067	56.493/2.2241 56.507/2.2247	1.487/0.0585	.009/.0004 .067/.0026	17.38/0.684	F810	12	7170A IH
	Rod - .002" oversize OD version of 6B7170A.								
6B7170AO/S2 .25 .50 .75 1.0		53.492/2.1060 53.510/2.1067	56.543/2.2261 56.557/2.2266	1.637/0.0644 (@ 0.25mm u/s)	.009/.0004 .067/.0026	17.38/0.684	F810	12	9101A IH
	Rod - to be superceded by 6B7170A when stock exhausted.								
6B7170P Std. .25 .50 .75 1.0		53.492/2.1060 53.510/2.1067	56.493/2.2241 56.507/2.2247	1.487/0.0585	.009/.0004 .067/.0026	17.38/0.684	F780	12	7170 IH
	Rod - .002" oversize OD version of 6B7170P (to be superceded by 6B7170AO/S2 when stock exhausted)								
6B7170PO/S2 .25 .50 .75 1.0		53.492/2.1060 53.510/2.1067	56.543/2.2261 56.557/2.2266	1.637/0.0644 (@ 0.25mm u/s)	.009/.0004 .067/.0026	17.38/0.684	F780	12	9101 IH
	Main								
4M7172P Std. .25 .50 .75 1.0	1-4	63.492/2.4997 63.510/2.5004	68.993/2.7163 69.010/2.7169	2.740/0.1079	.003/.0001 .064/.0025	18.70/0.736	F780	8	7172 U/L
	Thrust								
1T7172 Std. +.25		71.100/2.7992 71.350/2.8090 (ID)	90.190/3.5508 90.440/3.5606 (OD)			2.06/0.081	F817	2	7172T U

18 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
170 (2.8)		**L6**	**3.40 x 3.13**	**Connecting Rod 45 ft.lbs/61 Nm**
170 (2.8)	**6**	**L6**	**3.40 x 3.13**	**Main Bearing 85 ft.lbs/115 Nm**
170 (2.8)	**A**	**L6**	**3.40 x 3.13**	
198 (3.2)	**A**	**L6**	**3.40 x 3.64**	
198 (3.2)	**B**	**L6**	**3.40 x 3.64**	
225 3687cc (3.7) Forged Crankshaft		**L6**	**3.40 x 4.13**	
225 3687cc (3.7) Forged Crankshaft	**6**	**L6**	**3.40 x 4.13**	
225 3687cc (3.7) Forged Crankshaft	**B**	**L6**	**3.40 x 4.13**	
225 3687cc (3.7) Forged Crankshaft	**C**	**L6**	**3.40 x 4.13**	
225 3687cc (3.7) Forged Crankshaft	**X**	**L6**	**3.40 x 4.13**	

	Rod								
6B606AL Std. 10 20 30 40		55.537/2.1865 55.563/2.1875	58.737/2.3125 58.750/2.3130	1.578/0.0621	.018/.0007 .073/.0029	25.14/0.990	F820	12	4601AL IH
	Main								
4M517AL Std. 10 20 30 40	1,2,4	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.428/0.0956	.021/.0008 .075/.0030	26.39/1.039	F820	6	4602AL U/L
	3 (FI)	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.432/0.0957	.016/.0006 .067/.0026	31.88/1.255	F820	2	4605AL U/L

Overflange length remains constant for standard and undersizes.

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 18
Cam									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		23.49/0.925	F23	1	PD-18-1	**4C874S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.18/0.755	F23	1	PD-13-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-13-4	
Small End - semi finished - single pieces.									
	25.009/0.9846 (Finish ID Bore Size)	26.378/1.0385 (Nominal)			30.48/1.200	F100	1	2134Y	**RB2134Y** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 19
181 2972cc (3.0) Mits 6G72 SOHC	**3**	**V6**	**91.2mm x 76mm**	**Connecting Rod 38 ft.lbs/52 Nm**
181 2972cc (3.0) Mits 6G72 DOHC	**B**	**V6**	**91.2mm x 76mm**	**Main Bearing 60 ft.lbs/81 Nm**
181 2972cc (3.0) Mits 6G72 DOHC Turbo	**C**	**V6**	**91.2mm x 76mm**	
181 2972cc (3.0) Mits 6G72 DOHC	**H**	**V6**	**91.2mm x 76mm**	
181 2972cc (3.0) Mits 6G72 SOHC	**H**	**V6**	**91.2mm x 76mm**	
181 2972cc (3.0) Mits 6G72 DOHC	**J**	**V6**	**91.2mm x 76mm**	
181 2972cc (3.0) Mits 6G72 DOHC Turbo	**K**	**V6**	**91.2mm x 76mm**	
181 2972cc (3.0) Mits 6G72 DOHC	**S**	**V6**	**91.2mm x 76mm**	
181 2972cc (3.0) Mits 6G72 SOHC	**S**	**V6**	**91.2mm x 76mm**	
181 2972cc (3.0) Mits 6G72 SOHC	**U**	**V6**	**91.2mm x 76mm**	

Rod									
	49.972/1.9674 50.000/1.9685	53.000/2.0866 53.020/2.0874	1.493/0.0588	.015/.0006 .089/.0035	15.50/0.610	F810	12	1140A IH	**6B1140** Std. .25 .50 .75 1.0
Main									
1-4	59.980/2.3614 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.988/0.0783	.020/.0008 .086/.0034	18.13/0.714	F810	8	1149A U/L	**4M1149** Std. .25 .50 .75 1.0
Thrust									
3	66.000/2.5984 66.250/2.6083	77.450/3.0492 77.700/3.0590			1.98/0.078	F817	4	1149T U/L	**2T1149** Std.

Note: Thrust set includes 4 pieces, use on No. 3 position. Required with 4M1149 main set.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 20
197 3200cc (3.2) SOHC (EGW)	**J**	**V6**	**92mm x 81mm**	**Connecting Rod 40 ft.lbs + 90 deg**
215 3497cc (3.5) SOHC (Aluminum Block)	**G**	**V6**	**96.01mm x 81mm**	**Main Bearing 15 ft.lbs + 90 deg** Inner (3.2L engines) **Main Bearing 20 ft.lbs + 90 deg** Outer (3.2L engines)
215 3497cc (3.5) SOHC (Aluminum Block)	**M**	**V6**	**96.01mm x 81mm**	**Main Bearing 15 ft.lbs + 90 deg** 3.5L engines **Main Bearing 20 ft.lbs + 90 deg** 3.5L engines (Tray)
215 3497cc (3.5) SOHC (Aluminum Block)	**V**	**V6**	**96.01mm x 81mm**	**Main Bearing 21 ft.lbs** 3.5L engines (Side Bolts)

Rod - High Strength Aluminum Silicon material (supercedes 6B1410P).									
	57.988/2.2830 58.014/2.2840	60.993/2.4013 61.006/2.4018	1.483/0.0584	.013/.0005 .068/.0027	16.54/0.651	F810	12	1470A IH	**6B1410A** Std. .25 .50 .75 1.0
Main									
1-4	63.988/2.5192 64.013/2.5202	68.989/2.7161 69.009/2.7169	2.485/0.0978	.018/.0007 .056/.0022	17.58/0.692	F780	12	7182 U/L	**4M7182P** Std. .25 .50 .75 1.0
Thrust									
	71.100/2.7992 71.350/2.8090 (ID)	90.190/3.5508 90.440/3.5606 (OD)			2.06/0.081	F817	2	7172T U	**1T7172** Std. +.25

Note: Thrust set includes 2 pieces, use on No. 2 position. Required with 4M7182P main set.

DODGE

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
21 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
201 (3.3) OHV			**3 V6**	**93mm x 81mm**		**Connecting Rod 40 ft.lbs/54 Nm + 1/4 turn**			
201 (3.3) OHV			**G V6**	**93mm x 81mm**		**Main Bearing 30 ft.lbs/41 Nm + 1/4 turn**			
201 (3.3) OHV			**J V6**	**93mm x 81mm**					
201 (3.3) OHV			**R V6**	**93mm x 81mm**					
201 (3.3) OHV			**S V6**	**93mm x 81mm**					
201 (3.3) OHV			**T V6**	**93mm x 81mm**					
201 (3.3) OHV			**U V6**	**93mm x 81mm**					
201 (3.3) OHV (EGM)			**G V6**	**93mm x 81mm**					
230 (3.8) OHV			**L V6**	**96mm x 87mm**					
	Rod - High Strength Aluminum Silicon material (supercedes 6B1410P).								
6B1410A Std. .25 .50 .75 1.0		57.988/2.2830 58.014/2.2840	60.993/2.4013 61.006/2.4018	1.483/0.0584	.013/.0005 .068/.0027	16.54/0.651	F810	12	1470A IH
	Main - Alt set to 4M1946P with +0.010" overflange length increase. * See below for dimensional information.								
4M1958P .25 .50 .75 1.0	1,3,4	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.49/0.964	F780	6	1948 U/L
	2 (FI)	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.13/0.950	F780	2	1958 U/L
	to be disontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1958P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.950"	+0.010"
0.50 mm u/s shaft	0.950"	+0.010"
0.75 mm u/s shaft	0.950"	+0.010"
1.00 mm u/s shaft	0.950"	+0.010"

	Main								
4M7278A Std. .25 .50 .75	1,2,4	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.49/0.964	F810	6	1948A U/L
	2 (FI)	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	23.88/0.940	F810	2	7278A U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - supercedes 4C1405S. Set has OD groove on #2 & #3 position bearings.								
4C1405BS Std.	1	50.724/1.9970 50.775/1.9990	54.089/2.1295 54.115/2.1305	1.643/0.0647		23.75/0.935	F23	1	PD-28-1
	2	50.292/1.9800 50.343/1.9820	53.683/2.1135 53.708/2.1145	1.659/0.0653		15.62/0.615	F23	1	PD-28-2B
	3	49.911/1.9650 49.962/1.9670	53.302/2.0985 53.327/2.0995	1.659/0.0653		15.62/0.615	F23	1	PD-28-3B
	4	49.530/1.9500 49.581/1.9520	52.896/2.0825 52.921/2.0835	1.643/0.0647		15.62/0.615	F23	1	PD-28-4
22 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
215 3497cc (3.5) SOHC (Cast Iron Block)			**F V6**	**96mm x 81mm**		**Connecting Rod 40 ft.lbs/54 Nm + 1/4 turn** **Main Bearing 30 ft.lbs/41 Nm + 1/4 turn**			
	Rod - High Strength Aluminum Silicon material (supercedes 6B1410P).								
6B1410A Std. .25 .50 .75 1.0		57.988/2.2830 58.014/2.2840	60.993/2.4013 61.006/2.4018	1.483/0.0584	.013/.0005 .068/.0027	16.54/0.651	F810	12	1470A IH
	Main								
4M2010P Std. .25 .50 .75	1,3,4	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.49/0.964	F780	6	MB3340P U/L
	2 (FI)	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	28.70/1.130	F780	2	MB3471P U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**23**
225 3687cc (3.7) Cast Crankshaft			**B**	**L6**	**3.40 x 4.13**	**Connecting Rod 45 ft.lbs/61 Nm**			
225 3687cc (3.7) Cast Crankshaft			**C**	**L6**	**3.40 x 4.13**	**Main Bearing 85 ft.lbs/115 Nm**			
225 3687cc (3.7) Cast Crankshaft			**D**	**L6**	**3.40 x 4.13**				
225 3687cc (3.7) Cast Crankshaft			**E**	**L6**	**3.40 x 4.13**				
225 3687cc (3.7) Cast Crankshaft			**F**	**L6**	**3.40 x 4.13**				
225 3687cc (3.7) Cast Crankshaft			**H**	**L6**	**3.40 x 4.13**				
225 3687cc (3.7) Cast Crankshaft			**N**	**L6**	**3.40 x 4.13**				
Rod									
	55.537/2.1865 55.563/2.1875	58.738/2.3125 58.750/2.3130	1.584/0.0624	.018/.0007 .071/.0028	18.29/0.720	F780	12	1214 IH	**6B1214AL** Std. 10 20 30 40
Main									
1,2,4	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.435/0.0959	.013/.0005 .066/.0026	22.44/0.883	F780	6	2724 U/L	**4M1419AL** Std. 10 20 30 40
3 (Fl)	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.435/0.0959	.013/.0005 .066/.0026	28.14/1.108	F780	2	2725 U/L	
Overflange length remains constant for standards and undersizes.									
Main - Alt set to 4M1419AL with +0.010" overflange length increase. * See below for dimensional information.									
3 (Fl)	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.435/0.0959	.013/.0005 .066/.0026	28.39/1.118	F780	2	2723 U/L	**4M2723P** 40
1,2,4	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.435/0.0959	.013/.0005 .066/.0026	22.44/0.883	F780	6	2724 U/L	
to be disontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 4M2723P**

	Overall Width (Nominal)	Increase in Width
.040" u/s shaft	1.118"	+0.010"

Cam - engines from 1979-1987.									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.625/0.0640		19.94/0.785	F23	1	PD-21-1	**4C1115S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.625/0.0640		16.00/0.630	F23	1	PD-21-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.625/0.0640		16.00/0.630	F23	1	PD-21-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-13-4	
Cam - engines from 1976-1978.									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		23.49/0.925	F23	1	PD-18-1	**4C874S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.18/0.755	F23	1	PD-13-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-13-4	
Small End - semi finished - single pieces.									
	25.009/0.9846 (Finish ID Bore Size)	26.378/1.0385 (Nominal)			30.48/1.200	F100	1	2134Y	**RB2134Y** Semi
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**24**
225 (3.7)			**K**	**V6**	**93mm x 90.8mm**	**Connecting Rod 20 ft.lbs + 90 deg**			
226 (3.7)			**K**	**V6**	**93mm x 90.8mm**				
Rod - High Strength Aluminum Silicon material.									
	57.897/2.2794 57.904/2.2797	61.194/2.4092 61.206/2.4097	1.641/0.0646	.008/.0003 .043/.0017	16.64/0.655	F810	12	7200A IH	**6B7200A** Std. .25 .50
Rod - .002" oversize OD version of 6B7200A.									
	57.897/2.2794 57.904/2.2797	61.244/2.4112 61.256/2.4116	1.791/0.0705 (@ 0.25mm u/size)	.008/.0003 .043/.0017	16.64/0.655	F810	12	9106A IH	**6B7200AO/S2** .25 .50 .75 1.0
Main - High Strength Aluminum Silicon material.									
1-4	63.495/2.4998 63.505/2.5002	68.395/2.6927 68.405/2.6931	2.443/0.0962	.004/.0002 .040/.0016	20.63/0.812	F810	8	7214A U/L	**4M7214A** Std. .25 .50 .75 1.0

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
24 (Cont'd.)									
	Thrust								
1T7214 Std.	3	71.000/2.7953 71.250/2.8051	91.000/3.5827 91.250/3.5925			2.54/0.100	F817	1	7214T
	3	71.000/2.7953 71.250/2.8051	91.000/3.5827 91.250/3.5925			2.54/0.100	F817	1	7215T
	Set includes 2 pieces, use on No.3 position. Required with 4M7214A main set.								
25 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
239 (3.9) OHV			**M**	**V6**	**3.906 x 3.313**	**Connecting Rod 45 ft.lbs/61 Nm**			
239 (3.9) OHV			**X**	**V6**	**3.906 x 3.313**	**Main Bearing 85 ft.lbs/115 Nm**			
	Rod								
6B1387P Std. 10 20 30 40		53.950/2.1240 53.975/2.1250	57.150/2.2500 57.168/2.2507	1.584/0.0624	.013/.0005 .056/.0022	18.67/0.735	F780	12	1387 IH
	Main								
4M1701P Std. 10 20 30	1,2	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	22.27/0.877	F780	4	4352 IH
	3 (FI)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.025/.0010 .089/.0035	29.26/1.152	F780	2	2703 IH
	4	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	33.70/1.327	F780	2	4354 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
4C1114S Std.	1	50.749/1.9980 50.775/1.9990	54.077/2.1290 54.127/2.1310	1.638/0.0645		22.35/0.880	F23	1	PD-16-1
	2	49.962/1.9670 49.987/1.9680	53.670/2.1130 53.721/2.1150	1.638/0.0645		16.00/0.630	F23	1	PD-25-2
	3	49.555/1.9510 49.581/1.9520	53.289/2.0980 53.340/2.1000	1.638/0.0645		15.75/0.620	F23	1	PD-25-3
	4	39.637/1.5605 39.662/1.5615	42.964/1.6915 43.014/1.6935	1.638/0.0645		24.00/0.945	F23	1	PD-9-5
26 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
285 (4.7)			**J**	**V8**	**93mm x 86.36mm**	**Connecting Rod 20 ft.lbs + 90 deg**			
285 (4.7)			**N**	**V8**	**93mm x 86.36mm**	**Main Bearing 25 in.lbs + 90 deg** Inner			
287 (4.7)			**N**	**V8**	**93mm x 86.36mm**	**Main Bearing 40 ft.lbs** Outer			
	Rod - for engines 2004 on without locating tang.								
8B7206A Std. .25 .50 .75		50.996/2.0077 51.003/2.0080	53.992/2.1257 54.005/2.1262	1.491/0.0587	.013/.0005 .043/.0017	16.64/0.655	F810	16	7206A IH
	Rod - .002" oversize OD version of 8B7206A.								
8B7206AO/S2 .25 .50 .75		50.996/2.0077 51.003/2.0080	53.992/2.1257 54.005/2.1262	1.641/0.0646 (@ 0.25mm u/size)	.013/.0005 .043/.0017	16.64/0.655	F810	16	9116A IH
	Rod - for engines 1999-2004 with locating tang.								
8B7210A Std. .25 .50 .75 1.0		50.996/2.0077 51.003/2.0080	53.992/2.1257 54.005/2.1262	1.491/0.0587	.013/.0005 .043/.0017	16.64/0.655	F810	16	7210A IH
	Rod - .002" oversize OD version of 8B7210A.								
8B7210AO/S2 .25 .50 .75 1.0		50.996/2.0077 51.003/2.0080	54.042/2.1276 54.055/2.1281	1.641/0.0646 (@ 0.25mm u/size)	.013/.0005 .043/.0017	16.64/0.655	F810	16	9092A IH
	Main - High Strength Aluminum Silicon material.								
5M7214A Std. .25 .50 .75 1.0	1-5	63.495/2.4998 63.505/2.5002	68.395/2.6927 68.405/2.6931	2.443/0.0962	.004/.0002 .040/.0016	20.63/0.812	F810	10	7214A U/L
	Thrust								
1T7214 Std.	3	71.000/2.7953 71.250/2.8051	91.000/3.5827 91.250/3.5925			2.54/0.100	F817	1	7214T
	3	71.000/2.7953 71.250/2.8051	91.000/3.5827 91.250/3.5925			2.54/0.100	F817	1	7215T
	Set includes 2 pieces, use on No.3 position. Required with 5M7214A main set.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	27
273 (4.5)		V8	3.63 x 3.31	Connecting Rod 45-50 ft.lbs/61-68 Nm	
273 (4.5)	D	V8	3.63 x 3.31	Main Bearing 80-85 ft.lbs/108-115 Nm	
318 (5.2)		V8	3.91 x 3.31		
318 (5.2)	8	V8	3.91 x 3.31		
318 (5.2)	E	V8	3.91 x 3.31		
318 (5.2)	F	V8	3.91 x 3.31		
318 (5.2)	G	V8	3.91 x 3.31		
326 (5.3)		V8	3.95 x 3.31		

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod									
	53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.005/.0002 .069/.0027	21.52/0.847	F780	16	2700 IH	**8B481P** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 8B481P.									
	53.950/2.1240 53.975/2.1250	57.201/2.2520 57.214/2.2525	1.737/0.0684 (@ .010" u/s)	.006/.0002 .070/.0028	21.52/0.847	F780	16	9090 IH	**8B481PO/S2** 10 20 30 40
Main - Alt set to 5M540P with +0.010" overflange length increase. * See below for dimensional information.									
1,2,4	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	22.27/0.877	F780	6	4352 U/L	**5M2036P** 20 30
3 (FI)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	29.51/1.162	F780	2	4355 U/L	
5	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	33.70/1.327	F780	2	4354 U/L	

to be disontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 5M2036P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.162"	+0.010"
.030" u/s shaft	1.162"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Main - flange O.D. 3.375"									
1,2,4	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	22.27/0.877	F780	6	4352 U/L	**5M540P** Std. 10 20 30 40
3 (FI)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	29.26/1.152	F780	2	4353 U/L	
5	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	33.70/1.327	F780	2	4354 U/L	

Overflange length remains constant for standard and undersizes.

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Cam									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1	**5C875S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.43/0.765	F23	1	PD-9-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.43/0.765	F23	1	PD-9-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.43/0.765	F23	1	PD-9-4	
5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5	
Small End - semi finished - single pieces.									
	25.009/0.9846 (Finish ID Bore Size)	26.378/1.0385 (Nominal)			30.48/1.200	F100	1	2134Y	**RB2134Y** Semi

DODGE

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
28 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
318 (5.2)			**4 V8**	**3.91 x 3.31**		**Connecting Rod 45-50 ft.lbs/61-68 Nm**			
318 (5.2)			**E V8**	**3.91 x 3.31**		**Main Bearing 85-90 ft.lbs/115-122 Nm**			
318 (5.2)			**G V8**	**3.91 x 3.31**					
318 (5.2)			**H V8**	**3.91 x 3.31**					
318 (5.2)			**K V8**	**3.91 x 3.31**					
318 (5.2)			**L V8**	**3.91 x 3.31**					
318 (5.2)			**M V8**	**3.91 x 3.31**					
318 (5.2)			**N V8**	**3.91 x 3.31**					
318 (5.2)			**P V8**	**3.91 x 3.31**					
318 (5.2)			**R V8**	**3.91 x 3.31**					
318 (5.2)			**S V8**	**3.91 x 3.31**					
318 (5.2)			**T V8**	**3.91 x 3.31**					
318 (5.2)			**T V8**	**3.91 x 3.31**					
318 (5.2)			**U V8**	**3.91 x 3.31**					
318 (5.2)			**Y V8**	**3.91 x 3.31**					
318 (5.2)			**Z V8**	**3.91 x 3.31**					
	Rod								
8B481P Std. 01 10 20 30 40		53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.005/.0002 .069/.0027	21.52/0.847	F780	16	2700 IH
	Rod - .002" oversize OD version of 8B481P.								
8B481PO/S2 10 20 30 40		53.950/2.1240 53.975/2.1250	57.201/2.2520 57.214/2.2525	1.737/0.0684 (@ .010" u/s)	.006/.0002 .070/.0028	21.52/0.847	F780	16	9090 IH
	Main - flange O.D. 3.530"								
5M1344P Std. 01 10 20 30 40	1,2,4	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	22.27/0.877	F780	6	4352 U/L
	3 (FI)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.025/.0010 .089/.0035	29.26/1.152	F780	1	2703 U
	3 (FI)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.025/.0010 .089/.0035	29.26/1.152	F780	1	4357 L
	5	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	33.70/1.327	F780	2	4354 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - engines from 1980 on.								
5C1112S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		16.00/0.630	F23	1	PD-25-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		15.75/0.620	F23	1	PD-25-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		15.75/0.620	F23	1	PD-25-4
	5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5
	Cam - engines from 1974-1979.								
5C875S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.43/0.765	F23	1	PD-9-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.43/0.765	F23	1	PD-9-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.43/0.765	F23	1	PD-9-4
	5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5
	Small End								
RB2134Y Semi		25.009/0.9846 (Finish ID Bore Size)	26.378/1.0385 (Nominal)			30.48/1.200	F100	1	2134Y

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**29**
340 (5.6)		**H**	**V8**	**4.04 x 3.31**	**Connecting Rod 45-50 ft.lbs/61-68 Nm**				
340 (5.6)		**J**	**V8**	**4.04 x 3.31**	**Main Bearing 80-85 ft.lbs/108-115 Nm**				
340 (5.6)		**P**	**V8**	**4.04 x 3.31**					
Rod									
	53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.005/.0002 .069/.0027	21.52/0.847	F780	16	2700 IH	**8B481P** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 8B481P.									
	53.950/2.1240 53.975/2.1250	57.201/2.2520 57.214/2.2525	1.737/0.0684 (@ .010" u/s)	.006/.0002 .070/.0028	21.52/0.847	F780	16	9090 IH	**8B481PO/S2** 10 20 30 40
Main - flange O.D. 3.375"									
1,2,4	63.487/2.4995 63.512/2.5005	68.389/2.6925 68.402/2.6930	2.436/0.0959	.013/.0005 .076/.0030	22.27/0.877	F780	6	MB2283P U/L	**5M963P** Std. 10 20 30
3 (FI)	63.487/2.4995 63.512/2.5005	68.389/2.6925 68.402/2.6930	2.436/0.0959	.013/.0005 .065/.0026	29.26/1.152	F780	2	MB2036P U/L	
5	63.487/2.4995 63.512/2.5005	68.389/2.6925 68.402/2.6930	2.436/0.0959	.013/.0005 .065/.0026	33.70/1.327	F780	2	MB2559P U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1	**5C875S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.43/0.765	F23	1	PD-9-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.43/0.765	F23	1	PD-9-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.43/0.765	F23	1	PD-9-4	
5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5	
Small End									
	25.009/0.9846 (Finish ID Bore Size)	26.378/1.0385 (Nominal)			30.48/1.200	F100	1	2134Y	**RB2134Y** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**30**
345 (5.7) Hemi		**D**	**V8**	**99.5mm x 90.9mm**	**Connecting Rod 15 ft.lbs + 90 deg**				
345 (5.7) Hemi		**H**	**V8**	**99.5mm x 90.9mm**	**Main Bearing 20 ft.lbs + 90 deg** M12 Bolts				
345 (5.7) Hemi (EZB)		**2**	**V8**	**99.5mm x 90.9mm**	**Main Bearing 21 ft.lbs** M8 Crossbolts				
Rod									
	53.993/2.1257 54.008/2.1263	57.206/2.2522 57.219/2.2527	1.590/0.0626	.018/.0007 .062/.0024	20.10/0.791	F810	16	7211A IH	**8B1808A** Std. .25 .50
Rod - .002" oversize OD version of 8B1808A.									
	53.993/2.1257 54.008/2.1263	57.257/2.2542 57.270/2.2547	1.740/0.0685 (@0.25mm u/s)	.018/.0007 .082/.0032	20.10/0.791	F810	16	9112A IH	**8B1808AO/S2** .25 .50 .75
Main									
1-5	64.996/2.5589 65.004/2.5592	69.893/2.7517 69.906/2.7522	2.439/0.0960	.010/.0004 .048/.0019	21.60/0.850	F810	10	7216A U/L	**5M2220A** Std. .25 .50
Thrust									
3	72.644/2.8600 (ID) 73.152/2.8800	93.370/3.6760 (OD)	2.586/0.1018				2	MB3780W U	**1T611S** Std.
Set includes two pieces, use on No. 3 position. Required with 5M2220A main set.									

DODGE

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
31 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
350 (5.7)			**V8**	**4.06 x 3.38**		**Connecting Rod 45 ft.lbs/61 Nm**			
361 (5.9)			**V8**	**4.12 x 3.38**		**Main Bearing 85 ft.lbs/115 Nm**			
383 (6.4)			**V8**	**4.25 x 3.38**					
383 (6.3)			**8 V8**	**4.25 x 3.38**					
383 (6.3)			**G V8**	**4.25 x 3.38**					
383 (6.3)			**H V8**	**4.25 x 3.38**					
383 (6.3)			**J V8**	**4.25 x 3.38**					
383 (6.3)			**L V8**	**4.25 x 3.38**					
383 (6.3)			**N V8**	**4.25 x 3.38**					
400 (6.6)			**J V8**	**4.34 x 3.38**					
400 (6.6)			**M V8**	**4.34 x 3.38**					
400 (6.6)			**N V8**	**4.34 x 3.38**					
400 (6.6)			**P V8**	**4.34 x 3.38**					
	Rod								
8B527P Std. 10 20 30 40		60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.582/0.0623	.011/.0004 .075/.0030	23.67/0.932	F780	16	2466 IH
	Main - Discontinued (use 5M876P).								
5M1348P Std. 10	1,2,4,5	66.662/2.6245 66.688/2.6255	71.564/2.8175 71.557/2.8180	2.428/0.0956	.028/.0011 .091/.0036	24.10/0.949	F780	8	MB2065P U/L
	3 (Fl)	66.662/2.6245 66.688/2.6255	71.564/2.8175 71.557/2.8180	2.428/0.0956	.028/.0011 .091/.0036	31.09/1.224	F780	2	MB2630P U/L
	Note : Some early 1974 400 engines have a smaller flanged bearing diameter of 3.450"/3.500" (use ACL Part No. 5M876P)								
	Main - flange O.D. 3.450" for engines from 58-73.								
5M876P Std. 10 20 30 40	1,2,4,5	66.662/2.6245 66.688/2.6255	71.565/2.8175 71.577/2.8180	2.435/0.0959	.021/.0008 .085/.0033	24.10/0.949	F780	8	2467 U/L
	3 (Fl)	66.662/2.6245 66.688/2.6255	71.565/2.8175 71.577/2.8180	2.435/0.0959	.019/.0007 .083/.0033	31.09/1.224	F780	2	2468 U/L
	Cam								
5C876S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		19.18/0.755	F23	1	PD-17-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		17.12/0.674	F23	1	PD-12-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-12-4
	5	44.400/1.7480 44.425/1.7490	47.740/1.8795 47.765/1.8805	1.638/0.0645		19.18/0.755	F23	1	PD-12-5
32 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
360 (5.9)			**1 V8**	**4.00 x 3.58**		**Connecting Rod 45 ft.lbs/61 Nm**			
360 (5.9)			**5 V8**	**4.00 x 3.58**		**Main Bearing 85 ft.lbs/115 Nm**			
360 (5.9)			**8 V8**	**4.00 x 3.58**					
360 (5.9)			**F V8**	**4.00 x 3.58**					
360 (5.9)			**J V8**	**4.00 x 3.58**					
360 (5.9)			**K V8**	**4.00 x 3.58**					
360 (5.9)			**L V8**	**4.00 x 3.58**					
360 (5.9)			**S V8**	**4.00 x 3.58**					
360 (5.9)			**T V8**	**4.00 x 3.58**					
360 (5.9)			**U V8**	**4.00 x 3.58**					
360 (5.9)			**W V8**	**4.00 x 3.58**					
360 (5.9)			**Y V8**	**4.00 x 3.58**					
360 (5.9)			**Z V8**	**4.00 x 3.58**					
	Rod								
8B481P Std. 01 10 20 30 40		53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.005/.0002 .069/.0027	21.52/0.847	F780	16	2700 IH
	Rod - .002" oversize OD version of 8B481P.								
8B481PO/S2 10 20 30 40		53.950/2.1240 53.975/2.1250	57.201/2.2520 57.214/2.2525	1.737/0.0684 (@ .010" u/s)	.006/.0002 .070/.0028	21.52/0.847	F780	16	9090 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 32
Main - flange O.D. 3.680" for 1971-73 engines.									
1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	22.28/0.877	F780	6	2707 U/L	**5M1051P** Std. 10 20 30 40
3 (FI)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	29.26/1.152	F780	2	2708 U/L	
5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L	
Overflange length remains constant for standard and oversizes.									
Main - flange O.D. 3.910" for engines 1974 on.									
1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	22.28/0.877	F780	6	2705 IH	**5M1266P** Std. 01 10 20 30
3 (FI)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	29.26/1.152	F780	2	2706 U/L	
5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L	
Overflange length remains constant for standards and undersizes.									
Main - Alt set to 5M1266P with +0.010" overflange length increase. * See dimensional information below.									
1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.558/0.1007 (@ .010" u/s)	.015/.0006 .079/.0031	22.28/0.877	F780	6	2705 IH	**5M2715P** 10 20 30 40
3 (FI)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.558/0.1007 (@ .010" u/s)	.015/.0006 .079/.0031	29.52/1.162	F780	2	2715 U/L	
5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.558/0.1007 (@ .010" u/s)	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M2715P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.162"	+0.010"
.020" u/s shaft	1.162"	+0.010"
.030" u/s shaft	1.162"	+0.010"
.040" u/s shaft	1.162"	+0.010"

Cam - engines from 1980 on.									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1	**5C1112S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		16.00/0.630	F23	1	PD-25-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		15.75/0.620	F23	1	PD-25-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		15.75/0.620	F23	1	PD-25-4	
5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5	
Cam - engines from 1971-1979.									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1	**5C875S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.43/0.765	F23	1	PD-9-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.43/0.765	F23	1	PD-9-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.43/0.765	F23	1	PD-9-4	
5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
33 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
383 (6.4)			**V8**	**4.25 x 3.38**		**Connecting Rod 45 ft.lbs/61 Nm**			
413 (6.8)			**V8**	**4.188 x 3.75**		**Main Bearing 85 ft.lbs/115 Nm**			
426 (7.0) (Excl. Hemi)			**V8**	**4.25 x 3.75**					
440 (7.2)			**V8**	**4.32 x 3.75**					
440 (7.2)			**A V8**	**4.32 x 3.75**					
440 (7.2)			**D V8**	**4.32 x 3.75**					
440 (7.2)			**K V8**	**4.32 x 3.75**					
440 (7.2)			**L V8**	**4.32 x 3.75**					
440 (7.2)			**M V8**	**4.32 x 3.75**					
440 (7.2)			**T V8**	**4.32 x 3.75**					
440 (7.2)			**U V8**	**4.32 x 3.75**					
440 (7.2)			**V V8**	**4.32 x 3.75**					
	Rod								
8B527P Std. 10 20 30 40		60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.582/0.0623	.011/.0004 .075/.0030	23.67/0.932	F780	16	2466 IH
	Main - for 1974-80 engines.								
5M1277P Std. 10 20 30	1,2,4,5	69.837/2.7495 69.863/2.7505	74.739/2.9425 74.752/2.9430	2.428/0.0956	.028/.0011 .091/.0036	24.10/0.949	F780	8	MB2067P U/L
	3 (Fl)	69.837/2.7495 69.863/2.7505	74.739/2.9425 74.752/2.9430	2.428/0.0956	.028/.0011 .091/.0036	31.09/1.224	F780	2	MB2625P U/L
	Overflange length remains constant for standard and oversizes.								
	Main - Alt set to 5M877P with +0.010" overflange length increase. * See below for dimensional information.								
5M4366P 20 30 40	1,2,4,5	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.682/0.1056 (@ .020" u/s)	.028/.0011 .091/.0036	24.10/0.949	F780	8	4362 U/L
	3 (Fl)	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.682/0.1056 (@ .020" u/s)	.028/.0011 .091/.0036	31.34/1.234	F780	2	4366 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M4366P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.234"	+0.010"
.030" u/s shaft	1.234"	+0.010"
.040" u/s shaft	1.234"	+0.010"

	Main - flange O.D. 3.624" for 1959-73.								
5M877P Std. 10 20 30 40	1,2,4,5	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.430/0.0956	.028/.0011 .091/.0036	24.10/0.949	F780	8	4362 U/L
	3 (Fl)	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.430/0.0956	.028/.0011 .091/.0036	31.09/1.224	F780	2	4363 U/L
	Overflange length remains constant for standard and oversizes.								
	Cam								
5C876S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		19.18/0.755	F23	1	PD-17-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		17.12/0.674	F23	1	PD-12-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-12-4
	5	44.400/1.7480 44.425/1.7490	47.740/1.8795 47.765/1.8805	1.638/0.0645		19.18/0.755	F23	1	PD-12-5
34 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
426 (7.0) Hemi			**V8**	**4.25 x 3.75**		**Connecting Rod 75 ft.lbs**			
426 (7.0) Hemi			**J V8**	**4.25 x 3.75**		**Main Bearing 100 ft.lbs**			
426 (7.0) Hemi			**R V8**	**4.25 x 3.75**					
	Rod								
8B527P Std. 10 20 30 40		60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.582/0.0623	.011/.0004 .075/.0030	23.67/0.932	F780	16	2466 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 34
Main									
1,2,4,5	69.837/2.7495 69.862/2.7505	74.739/2.9425 74.752/2.9430	2.428/0.0956	.028/.0011 .914/.0360	24.10/0.949	F780	8	MB2219P	**5M896P** Std. 10
3 (FI)	69.837/2.7495 69.862/2.7505	74.739/2.9425 74.752/2.9430	2.428/0.0956	.028/.0011 .914/.0360	31.09/1.224	F780	2	MB2495P	
Overflange length remains constant for standard and oversizes.									
Cam									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		19.18/0.755	F23	1	PD-17-1	**5C876S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		17.12/0.674	F23	1	PD-12-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-12-4	
5	44.400/1.7480 44.425/1.7490	47.740/1.8795 47.765/1.8805	1.638/0.0645		19.18/0.755	F23	1	PD-12-5	

ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**	
488 7990cc (8.0)	**W**	**V10**	**4.00 x 3.88**	**Connecting Rod 45 ft.lbs Main Bearing 85 ft.lbs**	35

Rod - set is one pair. 10 pairs needed per engine.									
	53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.013/.0005 .074/.0029	21.52/0.847	F780	2	2700 IH	**1B481P** Std. 10 20 30 40
Main									
1,6	76.187/2.9995 76.213/3.0005	81.089/3.1925 81.102/3.1930	2.435/0.0959	.005/.0002 .058/.0023	25.40/1.000	F780	4	MB3506P U/L	**6M2200P** Std. 10 20 30
2,4,5	76.187/2.9995 76.213/3.0005	81.089/3.1925 81.102/3.1930	2.435/0.0959	.005/.0002 .058/.0023	24.38/0.960	F780	6	MB3507P U/L	
3 (FI)	76.187/2.9995 76.213/3.0005	81.089/3.1925 81.102/3.1930	2.435/0.0959	.005/.0002 .058/.0023	27.58/1.086	F780	2	MB3508P U/L	
Cam Tower - VIN W Truck only.									
1	53.111/2.0910 53.137/2.0920	56.464/2.2230 56.489/2.2240	1.651/0.0650		22.61/0.890	F23	1	PD-30-1	**6C1300S** Std.
2	52.692/2.0745 52.718/2.0755	56.058/2.2070 56.083/2.2080	1.651/0.0650		16.00/0.630	F23	1	PD-30-2	
3	52.299/2.0590 52.324/2.0600	55.651/2.1910 55.676/2.1920	1.651/0.0650		16.00/0.630	F23	1	PD-30-3	
4	51.892/2.0430 51.918/2.0440	55.245/2.1750 55.270/2.1760	1.651/0.0650		16.00/0.630	F23	1	PD-30-4	
5	51.486/2.0270 51.511/2.0280	54.839/2.1590 54.864/2.1600	1.651/0.0650		16.00/0.630	F23	1	PD-30-5	
6	48.692/1.9170 48.717/1.9180	52.045/2.0490 52.070/2.0500	1.651/0.0650		22.61/0.890	F23	1	PD-30-6	

ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**	
488 7990cc (8.0)	**E**	**V10**	**4.00 x 3.88**	**Connecting Rod 45 ft.lbs**	36
488 7990cc (8.0) (EWB)	**E**	**V10**	**4.00 x 3.88**		

Rod - RACE Series version of 1B481P.									
	53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.583/0.0623	.010/.0004 .063/.0025	21.52/0.847	F780	2	2700H U/L	**1B481H** Std. 01 10
Rod - RACE Series version of 1B481P. Bearings are .0005" thinner per shell to give .001" extra clearance on standard sized crankshafts.									
	53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.573/0.0619	.010/.0004 .069/.0027	51.52/2.028	F781	2	2700HX	**1B481HX** Std.
Rod - set is one pair. 10 pairs needed per engine.									
	53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.013/.0005 .074/.0029	21.52/0.847	F780	2	2700 IH	**1B481P** Std. 10 20 30 40

EAGLE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
90 1468cc (1.5).....	Mits 4G15 (12V SOHC)	A	L4	91-96	1
90 1468cc (1.5).....	Mits 4G15 (12V SOHC)	K	L4	91-91	1
90 1468cc (1.5).....	Mits 4G15 (8V SOHC)	K	L4	90-90	1
90 1468cc (1.5).....	Mits 4G15 (8V SOHC)	X	L4	89-90	1
98 1597cc (1.6).....	Mits 4G61	Y	L4	89-90	2
107 1755cc (1.8)...	Mits G37B (8V SOHC)	B	L4	93-94	3
112 1834cc (1.8)...	Mits 4G93 (16V SOHC)	C	L4	93-96	4
112 1834cc (1.8)...	Mits 4G93 (16V SOHC)	D	L4	92-92	4
122 1997cc (2.0)...	Mits G63B (16V DOHC)	E	L4	93-94	5
122 1997cc (2.0)...	Mits G63B (16V DOHC), Turbo	F	L4	98-98	5
122 1997cc (2.0)...	Mits G63B (16V DOHC)	R	L4	90-92	5
122 1997cc (2.0)...	Mits G63B (16V DOHC), Turbo	U	L4	90-92	5
122 1997cc (2.0)...	Mits G63B (16V DOHC)	V	L4	90-92	5
122 1997cc (2.0)...	A588 (16V DOHC)	Y	L4	95-98	6
122 1997cc (2.0)...	Mits G63B (16V DOHC) (EBG), Turbo	F	L4	93-97	5
122 1997cc (2.0)...	A588 (16V DOHC) (ECF)	Y	L4	96-98	6
122 1997cc (2.0)...	Mits (16V DOHC) (G63B)	V	L4	89-91	5
2351cc (2.4).....	Mits 4G64 (16V SOHC)	G	L4	93-96	5
2351cc (2.4).....	Mits 4G64 (8V SOHC)	W	L4	92-92	5
150 (2.5).....	AMC Eng.	H	L4	89-89	7
150 (2.5).....	AMC Eng.	Z	L4	88-88	7
201 (3.3).....	OHV	T	V6	93-97	8
215 3497cc (3.5)...	SOHC	F	V6	93-97	9

EAGLE MODEL INDEX

Model	CID	cc	Liter	Description	Years
2000 GTX	122	1997	2.0	Mits G63B (16V DOHC)	91-92
2000 GTX - 4X4	122	1997	2.0	Mits G63B (16V DOHC)	92
PREMIER - LX	150		2.5	AMC Eng.	88-89
SUMMIT	90	1468	1.5	Mits 4G15 (12V SOHC)	91-92
	112	1834	1.8	Mits 4G93 (16V SOHC)	92-93
		2351	2.4	Mits 4G64 (16V SOHC)	93-96
		2351	2.4	Mits 4G64 (8V SOHC)	92
SUMMIT - DL	90	1468	1.5	Mits 4G15 (12V SOHC)	91-96
	90	1468	1.5	Mits 4G15 (8V SOHC)	89-90
	112	1834	1.8	Mits 4G93 (16V SOHC)	92-96
		2351	2.4	Mits 4G64 (16V SOHC)	93-96
		2351	2.4	Mits 4G64 (8V SOHC)	92
SUMMIT - ES	90	1468	1.5	Mits 4G15 (12V SOHC)	91-96
	112	1834	1.8	Mits 4G93 (16V SOHC)	93-96
SUMMIT - ESI	90	1468	1.5	Mits 4G15 (12V SOHC)	95-96
	112	1834	1.8	Mits 4G93 (16V SOHC)	94-95
SUMMIT - LX	90	1468	1.5	Mits 4G15 (8V SOHC)	89-90
	98	1597	1.6	Mits 4G61	89-90
	112	1834	1.8	Mits 4G93 (16V SOHC)	92-96
		2351	2.4	Mits 4G64 (16V SOHC)	93-96
SUMMIT - LX		2351	2.4	Mits 4G64 (8V SOHC)	92
TALON	122	1997	2.0	A588 (16V DOHC)	96-98
	122	1997	2.0	Mits G63B (16V DOHC)	90-92
TALON - DL	107	1755	1.8	Mits G37B (8V SOHC)	93-94
TALON - ES	122	1997	2.0	Mits G63B (16V DOHC)	93-94
TALON - ESI	122	1997	2.0	A588 (16V DOHC)	95-98
TALON - TSI	122	1997	2.0	Mits G63B (16V DOHC)	90-98
VISION - ESI	201		3.3	OHV	93-97
	215	3497	3.5	SOHC	95-97
VISION - TSI	215	3497	3.5	SOHC	93-97
VISTA	90	1468	1.5	Mits 4G15 (12V SOHC)	91
	90	1468	1.5	Mits 4G15 (8V SOHC)	90
	122	1997	2.0	Mits (16V DOHC)	89-91
VISTA - 4X4	122	1997	2.0	Mits G63B (16V DOHC)	90-91
VISTA - DL	90	1468	1.5	Mits 4G15 (12V SOHC)	91
	90	1468	1.5	Mits 4G15 (8V SOHC)	90
VISTA - GT	90	1468	1.5	Mits 4G15 (12V SOHC)	91
	90	1468	1.5	Mits 4G15 (8V SOHC)	90
VISTA - LX	90	1468	1.5	Mits 4G15 (8V SOHC)	90

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
90 1468cc (1.5) Mits 4G15 (12V SOHC)			**A**	**L4**	**75.5mm x 82mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm Main Bearing 36-40 ft.lbs/49-54 Nm**			
90 1468cc (1.5) Mits 4G15 (12V SOHC)			**K**	**L4**	**75.5mm x 82mm**				
90 1468cc (1.5) Mits 4G15 (8V SOHC)			**K**	**L4**	**75.5mm x 82mm**				
90 1468cc (1.5) Mits 4G15 (8V SOHC)			**X**	**L4**	**75.5mm x 82mm**				
	Rod								
4B1130 Std. .25 .50 .75 1.0		41.981/1.6528 42.000/1.6535	45.000/1.7717 45.020/1.7724	1.493/0.0588	.015/.0006 .079/.0031	15.60/0.614	F810	8	1130A IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 1
Main									
1,2,4,5	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .085/.0033	19.13/0.753	F810	8	1124A U/L	**5M1124** Std. .25 .50 .75
3(FI)	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .085/.0033	23.95/0.943	F810	2	1125A IH	
Overflange length remains constant for standard and undersizes.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				2
98 1597cc (1.6) Mits 4G61		**Y**	**L4**	**82.3mm x 75mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm Main Bearing 36-40 ft.lbs/49-54 Nm**				
Rod									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH	**4B1146** Std. .25 .50 .75 1.0
Main - half groove bearing set.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U	**5M1144** Std. .25 .50 .75 1.0
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH	
Overflange length remains constant for standard and undersizes.									
Main - full groove bearing set.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.00/0.906	F810	8	1147A IH	**5M1147** Std. .25 .50 .75 1.0
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH	
Overflange length remains constant for standard and undersizes.									
Balance Shaft									
RHF	38.974/1.5344 (Max.)	42.024/1.6545 (Max.)	1.506/0.0593	.020/.0008 .076/.0030	19.25/0.758	F830	1	SH1465	**3BS8385** Std.
RHR, LHR	35.977/1.4164 (Max.)	39.025/1.5364 (Max.)	1.496/0.0589	.043/.0017 .099/.0039	16.00/0.630	F830	2	SH1466	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				3
107 1755cc (1.8) Mits G37B (8V SOHC)		**B**	**L4**	**80.6mm x 86mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm Main Bearing 36-40 ft.lbs/49-54 Nm**				
Rod									
	52.973/2.0855 53.000/2.0866	56.007/2.2050 56.021/2.2055	1.493/0.0588	.021/.0008 .076/.0030	25.13/0.989	F820	8	1136AL IH	**4B1136** Std. .25 .50 .75 1.0
Main - half groove bearing set.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U	**5M1144** Std. .25 .50 .75 1.0
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH	
Main - full groove bearing set.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.00/0.906	F810	8	1147A IH	**5M1147** Std. .25 .50 .75 1.0
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH	
Balance Shaft									
RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387	**3BS8387** Std.
RHR, LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	2	8388	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
4 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
112 1834cc (1.8) Mits 4G93 (16V SOHC)			**C L4**	**81mm x 89mm**		**Connecting Rod 15 ft.lbs/20 Nm + 1/4 turn** **Main Bearing 18 ft.lbs/25 Nm + 1/4 turn** Tighten main bearing caps from center, working towards end caps.			
112 1834cc (1.8) Mits 4G93 (16V SOHC)			**D L4**	**81mm x 89mm**					
	Rod - To be superceded by 4B8036A when stock exhausted.								
4B8036 Std. .25 .50 .75 1.0		44.980/1.7709 45.000/1.7717	48.000/1.8898 48.015/1.8904	1.492/0.0587	.016/.0006 .077/.0030	16.80/0.661	F780	8	8036 IH
	Rod - High Strength Aluminum Silicon material.								
4B8036A Std. .25 .50 .75 1.0		44.980/1.7709 45.000/1.7717	48.000/1.8898 48.015/1.8904	1.492/0.0587	.016/.0006 .077/.0030	16.80/0.661	F810	8	8036A IH
	Main - To be superceded by 5M8037A when stock exhausted.								
5M8037 Std. .25 .50	1-5	49.982/1.9678 50.000/1.9685	54.000/2.1260 54.018/2.1267	1.991/0.0784	.018/.0007 .080/.0031	19.13/0.753	F780	10	8037 U/L
	Main - High Strength Aluminum Silicon material.								
5M8037A Std. .25 .50 .75 1.0	1-5	49.982/1.9678 50.000/1.9685	54.000/2.1260 54.018/2.1267	1.991/0.0784	.018/.0007 .080/.0031	19.13/0.753	F810	10	8037A U/L
	Thrust								
1T8037 Std.	3	56.000/2.2047 56.250/2.2146	75.400/2.9685 75.700/2.9803			1.98/0.078	F817	2	8037T IH
	Set includes 2 pieces, use on number 3 position. Required with 5M8037.								
5 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
122 1997cc (2.0) Mits G63B (16V DOHC)			**E L4**	**85mm x 88mm**		**Connecting Rod 23-25 ft.lbs/31-34 Nm** **Main Bearing 36-40 ft.lbs/49-54 Nm**			
122 1997cc (2.0) Mits G63B (16V DOHC) Turbo			**F L4**	**85mm x 88mm**					
122 1997cc (2.0) Mits G63B (16V DOHC)			**R L4**	**85mm x 88mm**					
122 1997cc (2.0) Mits G63B (16V DOHC) Turbo			**U L4**	**85mm x 88mm**					
122 1997cc (2.0) Mits G63B (16V DOHC)			**V L4**	**85mm x 88mm**					
122 1997cc (2.0) Mits G63B (16V DOHC) (EBG) Turbo			**F L4**	**85mm x 88mm**					
122 1997cc (2.0) Mits (16V DOHC) (G63B)			**V L4**	**85mm x 88mm**					
2351cc (2.4) Mits 4G64 (16V SOHC)			**G L4**	**86.5mm x 100mm**					
2351cc (2.4) Mits 4G64 (8V SOHC)			**W L4**	**86.5mm x 100mm**					
	Rod - for engines 1989-6/92.								
4B1146 Std. .25 .50 .75 1.0		44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH
	Rod - for engines from 6/92-97.								
4B1185 Std. .25 .50 .75 1.0		44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.493/0.0588	.016/.0006 .078/.0031	21.10/0.831	F810	8	1185A IH
	Main - for 2.0L engines 1989-6/92 - Half Groove.								
5M1144 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
	Overflange length remains constant for standard and undersizes.								
	Main - for 2.0L engines 1989-6/92 - Full Groove.								
5M1147 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.00/0.906	F810	8	1147A IH
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 5
Main - for 2.0L engines from 6/92-97 and 2.4L engines from 1992-96.									
1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L	**5M1186** Std. .25 .50 .75 1.0
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	25.40/1.000	F810	2	1187A IH	
Overflange length remains constant for standard and undersizes.									
Main - Alt set to 5M1186 with +0.010" overflange length increase. * See dimensional information below.									
1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L	**5M1213** .25 .50 .75 1.0
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	25.65/1.010	F810	2	1213A IH	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M1213**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.50 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.75 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Balance Shaft									
RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387	**3BS8389** Std. .25 .50
LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388	
RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 6
122 1997cc (2.0) A588 (16V DOHC)	**Y**	**L4**	**87.5mm x 83mm**	**Connecting Rod 20 ft.lbs + 90 deg** **Main Bearing 22 ft.lbs** M8 bolts with bedplate
122 1997cc (2.0) A588 (16V DOHC) (ECF)	**Y**	**L4**	**87.5mm x 83mm**	**Main Bearing 30 ft.lbs + 90 deg** M10 bolts only **Main Bearing 40 ft.lbs** M10 bolts with bedplate **Main Bearing 60 ft.lbs** M11 bolts only

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod									
	47.991/1.8894 48.006/1.8900	50.991/2.0075 51.006/2.0081	1.490/0.0587	.005/.0002 .061/.0024	20.50/0.807	F780	8	7171 IH	**4B1635P** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 4B1635P.									
	47.991/1.8894 48.006/1.8900	51.041/2.0095 51.056/2.0101	1.640/0.0646 (@ .25 mm u/s)	.005/.0002 .061/.0024	20.50/0.807	F780	8	9091 IH	**4B1635PO/S2** Std. .25 .50 .75
Main - suits engines from 1996 on.									
1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	19.96/0.786	F780	8	4342 U/L	**5M2028P** Std. .25 .50 .75
3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	26.26/1.034	F780	2	4343 U/L	
Overflange length remains constant for standard and undersizes.									
Main - .002" oversize OD version of 5M2028P.									
1,2,4,5	51.991/2.0469 52.006/2.0475	56.048/2.2066 56.058/2.2070	2.011/0.0792 (@ STD u/s)	.018/.0007 .071/.0028	19.96/0.786	F780	8	9093 U/L	**5M2028PO/S2** .25 .50 .75
3 (FI)	51.991/2.0469 52.006/2.0475	56.048/2.2066 56.058/2.2070	2.011/0.0792 (@ STD u/s)	.018/.0007 .071/.0028	26.26/1.034	F780	2	9094 U/L	
Overflange length remains constant for standard and undersizes.									
Main - 1995 engines only (opposite tang position in lower half).									
1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	19.96/0.786	F780	4	4372 L	**5M4372P** Std. .25 .50 .75
1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	19.96/0.786	F780	4	4342 U	
3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	26.26/1.034	F780	1	4373 L	
3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	26.26/1.034	F780	1	4343 U	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
150 (2.5) AMC Eng.			**H L4**	**3.88 x 3.19**		**Connecting Rod 33 ft.lbs/45 Nm**			
150 (2.5) AMC Eng.			**Z L4**	**3.88 x 3.19**		**Main Bearing 80 ft.lbs/108 Nm**			
	Rod								
4B960P Std. 01 10 20 30 40 50		53.208/2.0948 53.226/2.0955	56.083/2.2080 56.096/2.2085	1.425/0.0561	.017/.0006 .074/.0029	21.26/0.837	F780	8	1480 IH
	Main								
5M1568P Std. 10 20 30	1,2,4,5	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	8	8872 U/L
	3 (Fl)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	32.26/1.270	F780	2	8873 U/L
	Overflange length remains constant for standards and undersizes.								
	Cam								
4C549S Std.	1	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		17.65/0.695	F23	1	N-7-1
	2	51.295/2.0195 51.321/2.0205	54.496/2.1455 54.521/2.1465	1.580/0.0620		17.65/0.695	F23	1	N-7-2
	3	51.041/2.0095 51.067/2.0105	54.242/2.1355 54.267/2.1365	1.580/0.0620		17.65/0.695	F23	1	N-7-3
	4	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		17.65/0.695	F23	1	N-7-4
8 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
201 (3.3) OHV			**T V6**	**93mm x 81mm**		**Connecting Rod 40 ft.lbs/54 Nm + 1/4 turn** **Main Bearing 30 ft.lbs/41 Nm + 1/4 turn**			
	Rod - High Strength Aluminum Silicon material (supercedes 6B1410P).								
6B1410A Std. .25 .50 .75 1.0		57.988/2.2830 58.014/2.2840	60.993/2.4013 61.006/2.4018	1.483/0.0584	.013/.0005 .068/.0027	16.54/0.651	F810	12	1470A IH
	Main - Alt set to 4M1946P with +0.010" overflange length increase. * See dimensional information below.								
4M1958P .25 .50 .75 1.0	1,3,4	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.49/0.964	F780	6	1948 U/L
	2 (Fl)	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.13/0.950	F780	2	1958 U/L
	to be disontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1958P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.950"	+0.010"
0.50 mm u/s shaft	0.950"	+0.010"
0.75 mm u/s shaft	0.950"	+0.010"
1.00 mm u/s shaft	0.950"	+0.010"

	Main - Supercedes 4M1946P.								
4M7278A Std. .25 .50 .75	1,2,4	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.49/0.964	F810	6	1948A U/L
	2 (Fl)	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	23.88/0.940	F810	2	7278A U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - supercedes 4C1405S. Set has OD groove on #2 & #3 position bearings.								
4C1405BS Std.	1	50.724/1.9970 50.775/1.9990	54.089/2.1295 54.115/2.1305	1.643/0.0647		23.75/0.935	F23	1	PD-28-1
	2	50.292/1.9800 50.343/1.9820	53.683/2.1135 53.708/2.1145	1.659/0.0653		15.62/0.615	F23	1	PD-28-2B
	3	49.911/1.9650 49.962/1.9670	53.302/2.0985 53.327/2.0995	1.659/0.0653		15.62/0.615	F23	1	PD-28-3B
	4	49.530/1.9500 49.581/1.9520	52.896/2.0825 52.921/2.0835	1.643/0.0647		15.62/0.615	F23	1	PD-28-4

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**9**
215 3497cc (3.5) SOHC			**F**	**V6**	**96mm x 81mm**	**Connecting Rod 40 ft.lbs/54 Nm + 1/4 turn Main Bearing 30 ft.lbs/41 Nm + 1/4 turn**			
Rod - High Strength Aluminum Silicon material (supercedes 6B1410P).									
	57.988/2.2830 58.014/2.2840	60.993/2.4013 61.006/2.4018	1.483/0.0584	.013/.0005 .068/.0027	16.54/0.651	F810	12	1470A IH	**6B1410A** Std. .25 .50 .75 1.0
Main									
1,3,4	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.49/0.964	F780	6	MB3340P U/L	**4M2010P** Std. .25 .50 .75
2 (FI)	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	28.70/1.130	F780	2	MB3471P U/L	

Overflange length remains constant for standard and undersizes.

ACL Engine Bearings

FORD ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1295cc (1.3)	Mazda B3	H	L4	89-97	1
1295cc (1.3)	Mazda B3	K	L4	88-89	1
1297cc (1.3)	Courier Van (HCS)		L4	88-on	2
1297cc (1.3)	Escort (HCS)		L4	88-on	2
1297cc (1.3)	Fiesta (HCS)		L4	88-on	2
1297cc (1.3)	Ka (HCS)		L4	88-on	2
1558cc (1.6)	Escort & Cortina Lotus (Twin Cam)		L4	65-75	3
98 1598cc (1.6)	OHV (Fiesta)		L4	78-80	4
98 1598cc (1.6)	OHC	2	L4	81-85	6
98 1598cc (1.6)	OHC	4	L4	82-85	6
98 1598cc (1.6)	OHC	5	L4	83-85	6
98 1598cc (1.6)	OHC	7	L4	83-83	6
98 1598cc (1.6)	OHC, Turbo	8	L4	84-85	6
98 1598cc (1.6)	OHV (Kent / Pinto)	W	L4	71-73	5
110 (1.8)	Mazda VB		L4	72-76	7
110 (1.8)	Mazda VB	A	L4	77-78	7
110 (1.8)	Mazda VB	C	L4	79-79	7
112 (1.8)	Mazda BP DOHC	8	L4	91-96	1
116 (1.9)	SOHC	9	L4	85-90	8
116 (1.9)	SOHC	J	L4	86-96	8
121 (2.0)	Duratec	N	L4	05-06	15
121 1989cc (2.0)	DOHC (Zetec)	3	L4	95-04	14
121 1989cc (2.0)	DOHC (Zetec)	Z	L4	96-00	14
122 1989cc (2.0)	DOHC (Zetec)	5	L4	02-04	14
122 1989cc (2.0)	Mazda FS DOHC	A	L4	93-97	10
122 1989cc (2.0)	DOHC (Zetec)	B	L4	01-04	14
122 1989cc (2.0)	OHC	C	L4	83-88	13
122 1989cc (2.0)	Mazda RF,Diesel	H	L4	84-87	12
122 1989cc (2.0)	SOHC	P	L4	97-04	11
122 1989cc (2.0)	OHC (Pinto)	X	L4	71-74	9
122 (2.0)	Mazda MA	1	L4	81-82	7
133 (2.2)	Mazda F2	C	L4	89-92	16
133 (2.2)	Mazda F2, Turbo	L	L4	89-92	16
134 (2.2)	Mazda S2,Diesel	P	L4	83-84	17
140 (2.3)	OHC	2	L4	81-82	13
140 (2.3)	OHC	6	L4	83-85	13
140 (2.3)	OHC	A	L4	80-97	13
140 (2.3)	OHC	B	L4	77-80	13
140 (2.3)	Duratec	D	L4	01-06	20
140 (2.3)	Mits 4D55, Turbo,Diesel	E	L4	85-87	19
140 (2.3)	OHC	M	L4	91-93	13
140 (2.3)	OHV (HSC)	R	L4	84-87	18
140 (2.3)	OHV (HSC)	S	L4	85-91	18
140 (2.3)	OHC, Turbo	T	L4	81-88	13
140 (2.3)	OHC, Turbo	W	L4	79-87	13
140 (2.3)	OHV (HSC)	X	L4	85-94	18
140 (2.3)	OHC	Y	L4	74-79	13
140 (2.3)	Duratec	Z	L4	03-06	20
144 (2.4)			L6	60-66	21
152 2450cc (2.5)	Mazda KL (24V DOHC)	B	V6	93-97	23
155 2450cc (2.5)	Duratec	G	V6	98-00	24
155 2450cc (2.5)	Duratec	L	V6	95-00	24
153 (2.5)	SOHC	C	L4	98-01	22
153 (2.5)	OHV (HSC)	D	L4	86-90	18
170 (2.8)			L6	60-67	21
170 (2.8)		F	L6	67-72	21
170 (2.8)		U	L6	68-72	21
171 (2.8)		S	V6	83-86	25
171 (2.8)		Z	V6	74-79	25
177 (2.9)		T	V6	86-92	26
182 (3.0)	OHV (Vulcan)	1	V6	93-98	27
182 (3.0)	Duratec	1	V6	01-05	24
182 (3.0)	Duratec	2	V6	96-06	24
182 (3.0)	Duratec	S	V6	96-05	24
182 (3.0)	OHV (Vulcan)	U	V6	86-06	27
182 (3.0)	OHV (Vulcan)	V	V6	99-04	27
182 (3.0)	SHO (DOHC)	Y	V6	89-95	28
195 (3.2)	SHO (DOHC)	P	V6	93-95	28
200 (3.3)	4 Main		L6	63-64	21
200 (3.3)	7 Main		L6	65-67	29
200 (3.3)	7 Main	B	L6	80-82	29
200 (3.3)	7 Main	T	L6	68-79	29
200 (3.3)	7 Main	X	L6	83-83	29
221 (3.6)			V8	62-63	30
232 (3.8)	OHV	3	V6	82-87	31
232 (3.8)	OHV	4	V6	88-04	31
232 (3.8)	OHV	C	V6	84-84	31
232 (3.8)	OHV, Supercharged	R	V6	89-95	31
240 (3.9)			L6	65-67	32
240 (3.9)		A	L6	68-75	32
240 (3.9)		B	L6	68-70	32
240 (3.9)		E	L6	68-72	32
240 (3.9)		V	L6	68-72	32
245 (4.0)	SOHC	E	V6	97-03	34
245 (4.0)	SOHC	K	V6	03-03	34
245 (4.0)	OHV	X	V6	90-01	33
250 (4.1)		C	L6	80-80	35
250 (4.1)		L	L6	69-79	35
255 (4.2)		D	V8	80-82	30
256 (4.2)	OHV	2	V6	97-06	36
260 (4.3)			V8	62-64	30
281 (4.6)	SOHC	6	V8	96-02	37
281 (4.6)	SOHC	9	V8	96-03	37
281 (4.6)	DOHC	V	V8	96-01	38
281 (4.6)	SOHC	W	V8	92-05	37
281 (4.6)	SOHC	X	V8	96-04	37
281 (4.6)	DOHC, Supercharged	Y	V8	03-04	38
289 (4.7)			V8	63-67	30
289 (4.7)		C	V8	68-68	30
289 (4.7)		N	V8	68-68	30
300 (4.9)		9	L6	82-88	32
300 (4.9)		B	L6	65-79	32
300 (4.9)		E	L6	80-82	32
300 (4.9)		K	L6	78-79	32
300 (4.9)		Y	L6	83-96	32
302 (5.0)		D	V8	69-95	30
302 (5.0)		E	V8	87-93	30
302 (5.0)		F	V8	68-91	30
302 (5.0)		G	V8	68-79	30
302 (5.0)		J	V8	68-68	30
302 (5.0)		M	V8	84-86	30
302 (5.0)		N	V8	85-96	30
302 (5.0)		P	V8	96-01	30
302 (5.0)		T	V8	91-95	30
330 (5.4)			V8	75-77	40
330 (5.4)	SOHC, Supercharged	3	V8	99-03	39
330 (5.4)	SOHC	5	V8	04-05	39
330 (5.4)	SOHC	L	V8	97-05	39
330 (5.4)	SOHC	M	V8	97-05	39
330 (5.4)	SOHC - Bi-Fuel	Z	V8	98-03	39
351 (5.8)	Windsor	C	V8	95-95	42
351 (5.8)	Modified	G	V8	80-82	43
351 (5.8)	Windsor	G	V8	80-91	42
351 (5.8)	Cleveland	H	V8	70-74	41
351 (5.8)	Modified	H	V8	75-79	43
351 (5.8)	Windsor	H	V8	69-97	42
351 (5.8)	Cleveland	M	V8	70-71	41
351 (5.8)	Windsor	M	V8	69-71	42
351 (5.8)	Cleveland	Q	V8	71-74	41
351 (5.8)	Windsor	Q	V8	71-74	42
351 (5.8)	Windsor	R	V8	93-95	42
352 (5.8)			V8	64-67	40
360 (5.9)		Y	V8	68-77	40
361 (5.9)			V8	64-66	40
370 (6.1)			V8	79-91	44
390 (6.4)			V8	64-67	40
390 (6.4)		H	V8	67-77	40
390 (6.4)		M	V8	74-76	40
390 (6.4)		S	V8	68-69	40
390 (6.4)		X	V8	68-70	40
390 (6.4)		Y	V8	67-71	40
390 (6.4)		Z	V8	67-68	40
400 (6.6)			V8	75-77	43
400 (6.6)		S	V8	71-79	43
400 (6.6)		Z	V8	80-82	43
401 (6.6)			V8	58-79	45
410			V8	66-67	40
415 (6.8)		S	V10	97-06	47
415 (6.8)		Y	V10	05-06	47
420 (6.9)	Diesel	1	V8	83-87	46
427 (7.0)			V8	64-67	40
427 (7.0)		W	V8	67-69	40
428 (7.0)			V8	66-67	40
428 (7.0)		P	V8	67-70	40
428 (7.0)		Q	V8	67-70	40
428 (7.0)		R	V8	68-68	40
429 (7.0)		C	V8	70-71	44

FORD ENGINE INDEX (Cont'd.)

Engine Disp.	Notation	VIN	Cyl.	Year	Line
429 (7.0)		J	V8	70-71	44
429 (7.0)		K	V8	69-71	44
429 (7.0)		N	V8	68-73	44
429 (7.0)		Z	V8	69-70	44
445 (7.3)	Powerstroke Engine, Turbo,Diesel	C	V8	93-93	48
445 (7.3)	Powerstroke Engine, Turbo,Diesel	F	V8	94-03	48
445 (7.3)	Powerstroke Engine, Turbo,Diesel	K	V8	94-94	48
445 (7.3)	Diesel	M	V8	88-94	46
460 (7.5)		A	V8	72-79	44
460 (7.5)		C	V8	73-78	44
460 (7.5)		G	V8	87-97	44
460 (7.5)		J	V8	73-79	44
460 (7.5)		L	V8	80-87	44
475 (7.8)			V8	58-79	45
477 (7.8)			V8	58-81	45
534 (8.8)			V8	58-81	45

FORD MODEL INDEX

Model	CID	cc	Liter	Description	Years
	122		2.0	Mazda MA	81-82
	245		4.0	OHV	01
	361				66
AEROSTAR	140		2.3	OHC	86-87
	171		2.8		86
	182		3.0	OHV (Vulcan)	86-97
	245		4.0	OHV	90-97
ASPIRE		1295	1.3	Mazda B3	94-97
ASPIRE - SE		1295	1.3	Mazda B3	94-95
BRONCO	170		2.8		67-72
	200		3.3	7 Main	74
	240		3.9		66-67
	300		4.9		80-93
	289		4.7		66-68
	302		5.0		69-96
	351		5.8	Modified	78-82
	351		5.8	Windsor	78-96
	400		6.6		78-79
BRONCO - ROADSTER	170		2.8		68-69
	289		4.7		68
	302		5.0		69
BRONCO - WAGON	170		2.8		68-72
	200		3.3	7 Main	73
	289		4.7		68
	302		5.0		68-73
BRONCO II	171		2.8		84-85
	177		2.9		86-90
CLUB	200		3.3	4 Main	63
	260		4.3		63-64
	289		4.7		63-64
	352		5.8		64
	390		6.4		64
CLUB WAGON	144		2.4		62-66
	170		2.8		62-67
	240		3.9		67
CONTOUR	121	1989	2.0	DOHC (Zetec)	97-00
	155	2450	2.5	Duratec	98-00
CONTOUR - GL	121	1989	2.0	DOHC (Zetec)	95-98
	155	2450	2.5	Duratec	95-98
CONTOUR - LX	121	1989	2.0	DOHC (Zetec)	95-98
	155	2450	2.5	Duratec	95-98
CONTOUR - SE	155	2450	2.5	Duratec	95-98
CONTOUR - SPORT	121	1989	2.0	DOHC (Zetec)	96
	155	2450	2.5	Duratec	96-97
CONTOUR - SVT	155	2450	2.5	Duratec	98-00
COUNTRY SEDAN	144		2.4		62
	170		2.8		62-67
	200		3.3	4 Main	63-64
	200		3.3	7 Main	65-67
	240		3.9		65-70
	260		4.3		63-64
	289		4.7		63-67
	302		5.0		68-72
	351		5.8	Cleveland	70-74
	351		5.8	Windsor	69-74
	352		5.8		64-67
	390		6.4		64-71
	400		6.6		71-74
	427		7.0		64-66
	428		7.0		68-70
	429		7.0		69-73
COUNTRY SEDAN	460		7.5		72-74
COUNTRY SQUIRE	144		2.4		62
	170		2.8		62-67
	200		3.3	4 Main	63-64
	200		3.3	7 Main	65-67
	240		3.9		65-67
	260		4.3		63-64
	289		4.7		63-67
	302		5.0		68-91
	351		5.8	Cleveland	70-74
	351		5.8	Modified	79
	351		5.8	Windsor	69-79
	352		5.8		64-67
	390		6.4		64-71
	400		6.6		71-78
	427		7.0		64-68
	428		7.0		68-69
	429		7.0		69-73
	460		7.5		72-78
COUNTRY SQUIRE - LX	302		5.0		87-91
COURIER	110		1.8	Mazda VB	72-79
	140		2.3	OHC	77-82
CROWN VICTORIA	281		4.6	SOHC	92-05
	302		5.0		87-91
	351		5.8	Windsor	87-91
CROWN VICTORIA - LX	281		4.6	SOHC	92-98
	302		5.0		87-91
	351		5.8	Windsor	87-91
CROWN VICTORIA - POLICE INTERCEPTOR	281		4.6	SOHC	93-98
CROWN VICTORIA - S	281		4.6	SOHC	92-98
	302		5.0		87-91
	351		5.8	Windsor	87-91
CROWN VICTORIA - TOURING SEDAN	281		4.6	SOHC	92
CUSTOM	240		3.9		68-72
	260		4.3		64
	289		4.7		65-67
	302		5.0		68-72
	351		5.8	Cleveland	70-72
	351		5.8	Windsor	69-72
	352		5.8		64-66
	390		6.4		64-71
	400		6.6		71-72
	427		7.0		66
	428		7.0		68-70
	429		7.0		69-72
CUSTOM 500	240		3.9		68-72
	289		4.7		68
	302		5.0		68-72
	351		5.8	Cleveland	70-74
	351		5.8	Modified	75-77
	351		5.8	Windsor	69-77
	390		6.4		68-71
	400		6.6		71-77
	427		7.0		68
	428		7.0		68-70
	429		7.0		69-73
	460		7.5		73-76

FORD MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
E SUPER DUTY	300		4.9		96
	415		6.8		97-02
	330		5.4	SOHC	97-02
	351		5.8	Windsor	96
	445		7.3	Powerstroke Engine	96-02
	460		7.5		96
E-100 ECONOLINE	170		2.8		68-71
	240		3.9		68-74
	300		4.9		72-83
	302		5.0		68-83
	351		5.8	Modified	75-82
	351		5.8	Windsor	75-83
	460		7.5		78
E-100 ECONOLINE - CLUB WAGON	170		2.8		68-70
	240		3.9		68-74
	300		4.9		74-82
	302		5.0		68-82
	351		5.8	Modified	75-82
	351		5.8	Windsor	75-82
E-150 ECONOLINE	300		4.9		75-96
	256		4.2	OHV	97-03
	281		4.6	SOHC	97-05
	302		5.0		75-96
	330		5.4	SOHC	97-05
	351		5.8	Modified	75-82
	351		5.8	Windsor	75-96
	420		6.9		84
	460		7.5		76-80
E-150 ECONOLINE - CLUB WAGON	300		4.9		75-96
	256		4.2	OHV	97-98
	281		4.6	SOHC	97-98
	302		5.0		79-96
	330		5.4	SOHC	97-98
	351		5.8	Modified	75-82
	351		5.8	Windsor	75-96
	460		7.5		76-79
E-150 ECONOLINE - SUPER	300		4.9		77-91
	302		5.0		79-91
	351		5.8	Modified	77-82
	351		5.8	Windsor	77-91
	460		7.5		79
E-150 ECONOLINE - SUPER WAGON	300		4.9		78-82
	302		5.0		79-82
	351		5.8	Modified	78-82
	351		5.8	Windsor	78-82
E-200 ECONOLINE	170		2.8		68-71
	240		3.9		68-74
	300		4.9		72-74
	302		5.0		68-74
E-200 ECONOLINE - CHATEAU WAGON	240		3.9		71-72
	302		5.0		71-72
E-200 ECONOLINE - CLUB WAGON	170		2.8		68-70
	240		3.9		68-74
	300		4.9		74
	302		5.0		68-74
E-200 ECONOLINE - CUSTOM WAGON	240		3.9		71-72
	302		5.0		71-72
E-250 ECONOLINE	300		4.9		75-96
	415		6.8		97
	256		4.2	OHV	97-03
	281		4.6	SOHC	97-05
	302		5.0		75-93
	330		5.4	SOHC	97-05
	351		5.8	Modified	75-82
	351		5.8	Windsor	75-96
	400		6.6		80
	460		7.5		75-96
E-250 ECONOLINE - CLUB WAGON	300		4.9		77-91
	302		5.0		79-80
	351		5.8	Modified	75-82
	351		5.8	Windsor	75-91
E-250 ECONOLINE - CLUB WAGON	400		6.6		80-82
	420		6.9		83-87
	445		7.3		88-91
	460		7.5		75-91
E-250 ECONOLINE - HD	300		4.9		91
	351		5.8	Windsor	91
E-250 ECONOLINE - SUPER	300		4.9		78-96
	415		6.8		97
	256		4.2	OHV	97-98
	281		4.6	SOHC	98
	302		5.0		79-91
	330		5.4	SOHC	97-98
	351		5.8	Modified	77-82
	351		5.8	Windsor	77-96
	400		6.6		80
	460		7.5		78-96
E-250 ECONOLINE - SUPER WAGON	300		4.9		78-84
	302		5.0		79-80
	351		5.8	Modified	78-81
	351		5.8	Windsor	78-84
	400		6.6		80
	420		6.9		83-84
	460		7.5		78-84
E-300 ECONOLINE	170		2.8		69-70
	240		3.9		68-73
	300		4.9		72-74
	302		5.0		68-74
E-300 ECONOLINE - CHATEAU WAGON	240		3.9		71-72
	302		5.0		71-72
E-300 ECONOLINE - CLUB WAGON	170		2.8		69-70
	240		3.9		68-74
	300		4.9		72
	302		5.0		68-74
E-300 ECONOLINE - CUSTOM WAGON	240		3.9		71-72
	302		5.0		71-72
E-350 ECONOLINE	300		4.9		75-96
	415		6.8		97-05
	302		5.0		75-82
	330		5.4	SOHC	97-05
	351		5.8	Modified	75-82
	351		5.8	Windsor	75-96
	400		6.6		80-82
	420		6.9		83-87
	445		7.3		88-94
	445		7.3	Powerstroke Engine	95-03
	460		7.5		75-96
E-350 ECONOLINE - HD CLUB WAGON	300		4.9		92-96
	415		6.8		97-98
	330		5.4	SOHC	97-98
	351		5.8	Windsor	92-96
	445		7.3		92-94
	445		7.3	Powerstroke Engine	95-98
	460		7.5		92-96
E-350 ECONOLINE - SUPER	300		4.9		78-96
	415		6.8		97-98
	302		5.0		79-80
	330		5.4	SOHC	97-99
	351		5.8	Modified	78-82
	351		5.8	Windsor	78-96
	400		6.6		80-82
	420		6.9		83-87
	445		7.3		88-94
	445		7.3	Powerstroke Engine	95-98
	460		7.5		78-96
E-350 ECONOLINE - SUPER WAGON	300		4.9		78-96
	415		6.8		97-98
	302		5.0		79-80
	330		5.4	SOHC	97-99
	351		5.8	Modified	78-82

FORD MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
E-350 ECONOLINE - SUPER WAGON	351		5.8	Windsor	78-96
	400		6.6		80-82
	420		6.9		83-87
	445		7.3		88-94
	445		7.3	Powerstroke Engine	95-98
	460		7.5		78-96
E-350 SUPER DUTY - CHATEAU	415		6.8		06
E-350 SUPER DUTY - XL	415		6.8		06
E-350 SUPER DUTY - XLT	415		6.8		06
E-450 ECONOLINE	415		6.8		03-05
	330		5.4	SOHC	03-05
	445		7.3	Powerstroke Engine	03
ECONOLINE	144		2.4		61-66
	170		2.8		62-67
	240		3.9		67
ELITE	351		5.8	Modified	75-76
	351		5.8	Windsor	75-76
	400		6.6		75-76
	460		7.5		75-76
ESCAPE	122	1989	2.0	DOHC (Zetec)	01-04
	140		2.3	Duratec	05
	182		3.0	Duratec	01-05
ESCAPE - XLS	140		2.3	Duratec	06
ESCAPE - XLT	140		2.3	Duratec	06
ESCORT	98	1598	1.6	OHC	81-82
	116		1.9	SOHC	93-96
	122	1989	2.0	SOHC	97-02
ESCORT - GL	98	1598	1.6	OHC	83-85
	116		1.9	SOHC	85-88
	122	1989	2.0	Mazda RF	84-87
ESCORT - GLX	98	1598	1.6	OHC	83
ESCORT - GT	98	1598	1.6	OHC	83-85
	112		1.8	Mazda BP DOHC	91-96
	116		1.9	SOHC	86-90
ESCORT - L	98	1598	1.6	OHC	83-85
	116		1.9	SOHC	85-86
	122	1989	2.0	Mazda RF	84-86
ESCORT - LX	98	1598	1.6	OHC	85
	116		1.9	SOHC	86-96
	122	1989	2.0	Mazda RF	86
	122	1989	2.0	SOHC	97-98
ESCORT - LX-E	112		1.8	Mazda BP DOHC	92-93
ESCORT - PONY	116		1.9	SOHC	87-92
ESCORT - SPORT	116		1.9	SOHC	93-95
	122	1989	2.0	SOHC	97-98
EXCURSION	415		6.8		00-05
	330		5.4	SOHC	00-05
	445		7.3	Powerstroke Engine	00-03
EXP	98	1598	1.6	OHC	82-85
	116		1.9	SOHC	86
EXP - LUXURY	116		1.9	SOHC	87-88
EXP - SPORTY	116		1.9	SOHC	87
EXPEDITION	281		4.6	SOHC	97-04
	330		5.4	SOHC	97-05
EXPLORER	245		4.0	OHV	91-00
	245		4.0	SOHC	97-03
	281		4.6	SOHC	02-05
	302		5.0		96-01
EXPLORER - SPORT	245		4.0	SOHC	01-03
EXPLORER SPORT TRAC	245		4.0	SOHC	01-03
F-100 PICKUP	240		3.9		65-75
	300		4.9		65-83
	232		3.8	OHV	82-83
	255		4.2		81-82
	302		5.0		69-83
	351		5.8	Modified	77-81
	351		5.8	Windsor	77-81
	352		5.8		66-67
	360		5.9		68-76
	390		6.4		68-76
	400		6.6		77-79
	460		7.5		73-79
F-100 PICKUP - SUPER CAB	300		4.9		77-79
F-100 PICKUP - SUPER CAB	351		5.8	Modified	77-79
	351		5.8	Windsor	77-79
	400		6.6		77-78
F-150 - FX4	330		5.4	SOHC	05
F-150 - KING RANCH	330		5.4	SOHC	05
F-150 - LARIAT	330		5.4	SOHC	05
F-150 - STX	256		4.2	OHV	05-06
	281		4.6	SOHC	05
F-150 - XL	256		4.2	OHV	05-06
	281		4.6	SOHC	05
	330		5.4	SOHC	05
F-150 - XLT	256		4.2	OHV	05-06
	281		4.6	SOHC	05
	330		5.4	SOHC	05
F-150 PICKUP	240		3.9		75
	300		4.9		75-96
	256		4.2	OHV	97-03
	281		4.6	SOHC	97-04
	302		5.0		75-96
	330		5.4	SOHC	97-04
	351		5.8	Modified	77-82
	351		5.8	Windsor	77-96
	360		5.9		75-76
	390		6.4		75-76
	400		6.6		77-79
	420		6.9		84
	460		7.5		75-79
F-150 PICKUP - HARLEY-DAVIDSON EDITION	330		5.4	SOHC	01-03
F-150 PICKUP - HERITAGE	256		4.2	OHV	04
	281		4.6	SOHC	04
F-150 PICKUP - LIGHTNING	330		5.4	SOHC	99-03
	351		5.8	Windsor	93-95
F-150 PICKUP - SUPER CAB	300		4.9		77-96
	256		4.2	OHV	97
	281		4.6	SOHC	97-98
	302		5.0		77-96
	330		5.4	SOHC	97
	351		5.8	Modified	77-82
	351		5.8	Windsor	77-96
	400		6.6		77-79
	460		7.5		77-79
F-250 PICKUP	240		3.9		65-74
	300		4.9		65-96
	256		4.2	OHV	98
	281		4.6	SOHC	97-99
	302		5.0		72-96
	330		5.4	SOHC	97-99
	351		5.8	Modified	77-82
	351		5.8	Windsor	77-97
	352		5.8		66-67
	360		5.9		68-76
	390		6.4		68-76
	400		6.6		77-82
	420		6.9		83-87
	445		7.3		88-94
	445		7.3	Powerstroke Engine	93-97
	460		7.5		73-97
F-250 PICKUP - SUPER CAB	300		4.9		77-96
	256		4.2	OHV	97
	281		4.6	SOHC	97-99
	302		5.0		77-96
	330		5.4	SOHC	97
	351		5.8	Modified	77-82
	351		5.8	Windsor	77-97
	400		6.6		77-82
	420		6.9		83-87
	445		7.3		88-94
	445		7.3	Powerstroke Engine	93-97
	460		7.5		77-97
F-250 SUPER DUTY - KING RANCH	415		6.8		06
F-250 SUPER DUTY - LARIAT	415		6.8		06

FORD MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
F-250 SUPER DUTY - XL	415		6.8		06
F-250 SUPER DUTY - XLT	415		6.8		06
F-250 SUPER DUTY PICKUP	415		6.8		99-05
	330		5.4	SOHC	99-05
	445		7.3	Powerstroke Engine	99-03
F-350 PICKUP	240		3.9		65-74
	300		4.9		65-96
	302		5.0		72-80
	351		5.8	Modified	77-82
	351		5.8	Windsor	77-97
	352		5.8		66-67
	360		5.9		68-76
	361		5.9		64-65
	390		6.4		68-76
	400		6.6		77-82
	420		6.9		83-87
	445		7.3		88-94
	445		7.3	Powerstroke Engine	93-97
	460		7.5		73-97
F-350 PICKUP - SUPER CAB	300		4.9		79-80
	302		5.0		79-80
	351		5.8	Modified	77-80
	351		5.8	Windsor	77-97
	400		6.6		77-80
	445		7.3		88-94
	445		7.3	Powerstroke Engine	93-97
	460		7.5		77-97
F-350 SUPER DUTY - KING RANCH	415		6.8		06
F-350 SUPER DUTY - LARIAT	415		6.8		06
F-350 SUPER DUTY - XL	415		6.8		06
F-350 SUPER DUTY - XLT	415		6.8		06
F-350 SUPER DUTY PICKUP	415		6.8		99-05
	330		5.4	SOHC	99-05
	445		7.3	Powerstroke Engine	99-03
F-450 SUPER DUTY - LARIAT	415		6.8		05-06
F-450 SUPER DUTY - XL	415		6.8		05-06
F-450 SUPER DUTY - XLT	415		6.8		05-06
F-450 SUPER DUTY PICKUP	415		6.8		99-04
	445		7.3		90-94
	445		7.3	Powerstroke Engine	95-03
	460		7.5		90-97
F-500 PICKUP	330		5.4		75-77
	360		5.9		75-77
	390		6.4		75-77
F-550 SUPER DUTY - LARIAT	415		6.8		05-06
F-550 SUPER DUTY - XL	415		6.8		05-06
F-550 SUPER DUTY - XLT	415		6.8		05-06
F-550 SUPER DUTY PICKUP	415		6.8		99-04
	445		7.3	Powerstroke Engine	99-03
F53 STRIPPED CHASSIS	460		7.5		88-97
F59 STRIPPED CHASSIS	445		7.3		88-94
	445		7.3	Powerstroke Engine	93-96
FAIRLANE	170		2.8		63-66
	200		3.3	7 Main	65-68
	250		4.1		69
	221		3.6		62-63
	260		4.3		62-64
	289		4.7		64-68
	302		5.0		68-69
	351		5.8	Windsor	69
FAIRLANE	390		6.4		64-69
	427		7.0		64-69
	428		7.0		68-69
FAIRLANE - 500	200		3.3	7 Main	68
	250		4.1		69-70
	289		4.7		68
	302		5.0		68-70
	351		5.8	Cleveland	70
	351		5.8	Windsor	69-70
	390		6.4		68-69
	427		7.0		69
	428		7.0		68
	429		7.0		70
FAIRMONT	140		2.3	OHC	78-82
	200		3.3	7 Main	78-82
	255		4.2		80-82
	302		5.0		78-79
FAIRMONT - FUTURA	140		2.3	OHC	78-83
	200		3.3	7 Main	78-83
	255		4.2		80-82
	302		5.0		78-79
FALCON	144		2.4		60-64
	170		2.8		60-69
	200		3.3	4 Main	63-64
	200		3.3	7 Main	65-70
	250		4.1		70
	260		4.3		63-64
	289		4.7		64-68
	302		5.0		68-70
FALCON - FUTURA	170		2.8		69
	200		3.3	7 Main	68-70
	250		4.1		70
	289		4.7		68
	302		5.0		68-70
FALCON SEDAN DELIVERY	144		2.4		61-64
	170		2.8		61-65
	200		3.3	4 Main	64
	200		3.3	7 Main	65
	260		4.3		63-64
	289		4.7		65
FESTIVA - GL		1295	1.3	Mazda B3	91-93
FESTIVA - L		1295	1.3	Mazda B3	88-93
FESTIVA - L PLUS		1295	1.3	Mazda B3	90
FESTIVA - LX		1295	1.3	Mazda B3	88-92
FIESTA	98	1598	1.6	OHV (Fiesta)	78-80
FOCUS - LE	122	1989	2.0	SOHC	00
FOCUS - LX	122	1989	2.0	SOHC	00-04
	140		2.3	Duratec	03-04
FOCUS - S2	121	1989	2.0	DOHC (Zetec)	01-02
FOCUS - SE	121	1989	2.0	DOHC (Zetec)	03
	122	1989	2.0	SOHC	00-04
	140		2.3	Duratec	03-04
FOCUS - STREET	121	1989	2.0	DOHC (Zetec)	01-02
FOCUS - SVT	122	1989	2.0	DOHC (Zetec)	02-04
FOCUS - ZTS	121	1989	2.0	DOHC (Zetec)	00-04
	140		2.3	Duratec	03-04
FOCUS - ZTW	121	1989	2.0	DOHC (Zetec)	02-03
	140		2.3	Duratec	03-04
FOCUS - ZX3	121		2.0	Duratec	05-06
	121	1989	2.0	DOHC (Zetec)	00-04
	140		2.3	Duratec	03-04
FOCUS - ZX4	121		2.0	Duratec	05-06
FOCUS - ZX4 ST	140		2.3	Duratec	05-06
FOCUS - ZX5	121		2.0	Duratec	05-06
	121	1989	2.0	DOHC (Zetec)	02-04
	140		2.3	Duratec	03-04
FOCUS - ZXW	121		2.0	Duratec	05-06
FORD 300	200		3.3	4 Main	63
	260		4.3		63
	289		4.7		63
FREESTAR	256		4.2	OHV	04-05
FREESTAR - LIMITED	256		4.2	OHV	06
FREESTAR - SEL	256		4.2	OHV	06
FUSION - S	140		2.3	Duratec	06
FUSION - SE	140		2.3	Duratec	06
FUSION - SEL	140		2.3	Duratec	06
GALAXIE	200		3.3	4 Main	63
	240		3.9		65-67

FORD MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
GALAXIE	260		4.3		64
	289		4.7		63-67
	352		5.8		64-66
	390		6.4		64-67
	427		7.0		65-67
	428		7.0		66-67
GALAXIE 500	240		3.9		68-72
	302		5.0		68-72
	351		5.8	Cleveland	70-74
	351		5.8	Windsor	69-74
	390		6.4		68-71
	400		6.6		71-74
	427		7.0		68
	428		7.0		68-69
	429		7.0		69-73
	460		7.5		73-74
GALAXIE 500 - XL	302		5.0		68-70
	351		5.8	Cleveland	70
	351		5.8	Windsor	69-70
	390		6.4		68-70
	428		7.0		68-69
	429		7.0		69-70
GRAN TORINO	250		4.1		72-74
	302		5.0		72-74
	351		5.8	Cleveland	72-74
	351		5.8	Modified	75-76
	351		5.8	Windsor	72-76
	400		6.6		72-76
	429		7.0		72-73
	460		7.5		74-76
GRAN TORINO - BROUGHAM	302		5.0		74
	351		5.8	Cleveland	74
	351		5.8	Modified	75-76
	351		5.8	Windsor	74-76
	400		6.6		74-76
	460		7.5		74-76
GRAN TORINO - ELITE	250		4.1		74
	351		5.8	Cleveland	74
	351		5.8	Windsor	74
	400		6.6		74
	460		7.5		74
GRAN TORINO - SPORT	302		5.0		72-74
	351		5.8	Cleveland	72-74
	351		5.8	Modified	75
	351		5.8	Windsor	72-75
	400		6.6		72-75
	429		7.0		72-73
	460		7.5		74-75
GRAN TORINO - SQUIRE	302		5.0		72-74
	351		5.8	Cleveland	72-74
	351		5.8	Modified	75-76
	351		5.8	Windsor	72-76
	400		6.6		72-76
	429		7.0		72-73
	460		7.5		74-76
GRANADA	140		2.3	OHC	81-82
	200		3.3	7 Main	75-82
	250		4.1		75-80
	232		3.8	OHV	82
	255		4.2		80-81
	302		5.0		75-80
	351		5.8	Modified	75-77
	351		5.8	Windsor	75-77
GRANADA - GHIA	200		3.3	7 Main	77
	250		4.1		75-77
	302		5.0		75-77
	351		5.8	Modified	75-77
	351		5.8	Windsor	75-77
LTD	140		2.3	OHC	83-86
	200		3.3	7 Main	83
	232		3.8	OHV	83-86
	255		4.2		81-82
	289		4.7		67-68
	302		5.0		68-85
	351		5.8	Cleveland	70-74
	351		5.8	Modified	75-82

Model	CID	cc	Liter	Description	Years
LTD	351		5.8	Windsor	69-82
	390		6.4		65-71
	400		6.6		71-78
	427		7.0		65-68
	428		7.0		67-69
	429		7.0		69-73
	460		7.5		72-78
LTD - BROUGHAM	140		2.3	OHC	83-86
	200		3.3	7 Main	83
	232		3.8	OHV	83-86
	302		5.0		71-85
	351		5.8	Cleveland	71-74
	351		5.8	Modified	75-76
	351		5.8	Windsor	71-76
	390		6.4		71
	400		6.6		71-76
	429		7.0		71-73
	460		7.5		72-76
LTD - COUNTRY SQUIRE	302		5.0		80-86
	351		5.8	Modified	80-81
	351		5.8	Windsor	80-86
LTD - CROWN VICTORIA	255		4.2		81-82
	302		5.0		80-86
	351		5.8	Modified	80-82
	351		5.8	Windsor	80-86
LTD - LANDAU	302		5.0		77-79
	351		5.8	Modified	75-79
	351		5.8	Windsor	75-79
	400		6.6		75-78
	460		7.5		75-78
LTD - LX	302		5.0		85
LTD - S	255		4.2		81-82
	302		5.0		80-82
	351		5.8	Modified	80-82
	351		5.8	Windsor	80-82
LTD II	302		5.0		77-79
	351		5.8	Modified	77-79
	351		5.8	Windsor	77-79
	400		6.6		77-78
LTD II - BROUGHAM	302		5.0		77
	351		5.8	Modified	77
	351		5.8	Windsor	77
	400		6.6		77
LTD II - S	302		5.0		77-79
	351		5.8	Modified	77-79
	351		5.8	Windsor	77-79
	400		6.6		77-78
LTD II - SQUIRE	351		5.8	Modified	77
	351		5.8	Windsor	77
	400		6.6		77
M-400	360		5.9		73
	390		6.4		71-73
M-450	360		5.9		74
MAVERICK	170		2.8		70-72
	200		3.3	7 Main	70-77
	250		4.1		70-77
	302		5.0		71-77
MUSTANG	140		2.3	OHC	79-84
	170		2.8		64-65
	200		3.3	4 Main	64
	200		3.3	7 Main	65-82
	250		4.1		69-73
	171		2.8		79
	232		3.8	OHV	83-04
	255		4.2		80-82
	260		4.3		64
	289		4.7		64-68
	302		5.0		68-84
	351		5.8	Cleveland	70-73
	351		5.8	Windsor	69-73
	390		6.4		67-69
	427		7.0		68
	428		7.0		68-70
	429		7.0		70-71
MUSTANG - BOSS 351	351		5.8	Cleveland	71
	351		5.8	Windsor	71
MUSTANG - BOSS 429	429		7.0		69

FORD MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
MUSTANG - BULLITT	281		4.6	SOHC	01
MUSTANG - COBRA	281		4.6	DOHC	96-04
	302		5.0		93-94
MUSTANG - COBRA R	351		5.8	Windsor	95
MUSTANG - COBRA SVT	302		5.0		95
MUSTANG - GHIA	140		2.3	OHC	79-82
	200		3.3	7 Main	79-81
	171		2.8		79
	255		4.2		80-81
	302		5.0		79
MUSTANG - GRANDE	200		3.3	7 Main	70
	250		4.1		70-73
	302		5.0		70-73
	351		5.8	Cleveland	70-73
	351		5.8	Windsor	70-73
	428		7.0		70
	429		7.0		70-71
MUSTANG - GT	140		2.3	OHC	84
	281		4.6	SOHC	96-04
	302		5.0		84-95
MUSTANG - GTS	302		5.0		95
MUSTANG - L	140		2.3	OHC	84
	232		3.8	OHV	84
	302		5.0		84
MUSTANG - LX	140		2.3	OHC	85-93
	232		3.8	OHV	85-86
	302		5.0		85-93
MUSTANG - MACH I	250		4.1		71
	302		5.0		70-73
	351		5.8	Cleveland	70-73
	351		5.8	Windsor	70-73
	428		7.0		70
	429		7.0		70-71
MUSTANG - SVO	140		2.3	OHC	84-86
MUSTANG II	122	1989	2.0	OHC (Pinto)	74
	140		2.3	OHC	74-78
	171		2.8		74-78
	302		5.0		75-78
MUSTANG II - 2+2	122	1989	2.0	OHC (Pinto)	74
	140		2.3	OHC	74
	171		2.8		74
MUSTANG II - GHIA	122	1989	2.0	OHC (Pinto)	74
	140		2.3	OHC	74-78
	171		2.8		74-78
	302		5.0		75-78
MUSTANG II - MACH I	140		2.3	OHC	74
	171		2.8		74-78
	302		5.0		75-78
P-100	170		2.8		65-67
P-350	240		3.9		68-72
	300		4.9		68-76
	302		5.0		72-76
	360		5.9		73
	390		6.4		72-73
	400		6.6		76
P-400	300		4.9		75-76
	400		6.6		75-76
P-500	300		4.9		75-77
	400		6.6		75-77
PINTO	98	1598	1.6	OHV (Kent / Pinto)	71-73
	122	1989	2.0	OHC (Pinto)	71-74
	140		2.3	OHC	74-80
	171		2.8		75-79
PROBE	122	1989	2.0	Mazda FS DOHC	97
PROBE - GL	133		2.2	Mazda F2	89-92
PROBE - GT	133		2.2	Mazda F2	89-92
	152	2450	2.5	Mazda KL (24V DOHC)	93-97
PROBE - LX	133		2.2	Mazda F2	89
	182		3.0	OHV (Vulcan)	90-92
PROBE - SE	122	1989	2.0	Mazda FS DOHC	93-96
RANCH WAGON	144		2.4		62
	170		2.8		62-67
	200		3.3	4 Main	63
	200		3.3	7 Main	66-67
	240		3.9		65-69
	260		4.3		63-64
	289		4.7		63-68
RANCH WAGON	302		5.0		68-72
	351		5.8	Cleveland	70-74
	351		5.8	Windsor	69-74
	352		5.8		64-66
	390		6.4		64-71
	400		6.6		71-76
	427		7.0		64-66
	428		7.0		68-69
	429		7.0		69-73
	460		7.5		73-74
RANCH WAGON - POLICE CRUISER	428		7.0		70
RANCHERO	144		2.4		60-64
	170		2.8		61-65
	200		3.3	4 Main	64
	200		3.3	7 Main	65-68
	250		4.1		69-71
	260		4.3		63-64
	289		4.7		65-67
	302		5.0		68-71
	351		5.8	Cleveland	70-71
	351		5.8	Windsor	69-71
	390		6.4		67-69
	428		7.0		68-69
	429		7.0		70-71
RANCHERO - 500	250		4.1		70-73
	302		5.0		70-79
	351		5.8	Cleveland	70-74
	351		5.8	Modified	75-79
	351		5.8	Windsor	70-79
	400		6.6		72-78
	429		7.0		70-73
	460		7.5		74-77
RANCHERO - GT	250		4.1		71-72
	302		5.0		68-79
	351		5.8	Cleveland	70-74
	351		5.8	Modified	75-79
	351		5.8	Windsor	69-79
	390		6.4		68-69
	400		6.6		72-78
	428		7.0		69
	429		7.0		70-73
	460		7.5		74-77
RANCHERO - SQUIRE	250		4.1		70-73
	302		5.0		70-79
	351		5.8	Cleveland	70-74
	351		5.8	Modified	75-79
	351		5.8	Windsor	70-79
	400		6.6		72-78
	429		7.0		70-73
	460		7.5		74-76
RANGER	122	1989	2.0	OHC	83-88
	134		2.2	Mazda S2	83-84
	140		2.3	Duratec	01-04
	140		2.3	Mits 4D55	85-87
	140		2.3	OHC	83-97
	153		2.5	SOHC	98-01
	171		2.8		83-85
	177		2.9		86-92
	182		3.0	OHV (Vulcan)	91-04
	245		4.0	OHV	90-00
	245		4.0	SOHC	01-03
RANGER - EDGE	182		3.0	OHV (Vulcan)	05
RANGER - SPORT	140		2.3	Duratec	06
	182		3.0	OHV (Vulcan)	06
RANGER - STX	182		3.0	OHV (Vulcan)	06
RANGER - SUPER	140		2.3	OHC	86-97
	153		2.5	SOHC	98
	177		2.9		86-92
	182		3.0	OHV (Vulcan)	91-98
	245		4.0	OHV	90-98
RANGER - XL	140		2.3	Duratec	05-06
	182		3.0	OHV (Vulcan)	05-06
RANGER - XLT	140		2.3	Duratec	05-06
	182		3.0	OHV (Vulcan)	05-06
SPRINT	170		2.8		63
	221		3.6		63
	260		4.3		63-64
SUNLINER	200		3.3	4 Main	63

FORD MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
SUNLINER	260		4.3		64
	289		4.7		63
	352		5.8		64
	390		6.4		64
TAURUS	153		2.5	OHV (HSC)	86
	182		3.0	Duratec	99-05
	182		3.0	OHV (Vulcan)	86-05
TAURUS - G	182		3.0	OHV (Vulcan)	96-97
TAURUS - GL	153		2.5	OHV (HSC)	87-90
	182		3.0	Duratec	96-98
	182		3.0	OHV (Vulcan)	87-98
	232		3.8	OHV	88-95
TAURUS - L	153		2.5	OHV (HSC)	87-90
	182		3.0	OHV (Vulcan)	87-92
	232		3.8	OHV	88-92
TAURUS - LX	153		2.5	OHV (HSC)	87
	182		3.0	Duratec	96-98
	182		3.0	OHV (Vulcan)	87-95
	232		3.8	OHV	88-95
TAURUS - MT5	153		2.5	OHV (HSC)	87-88
	182		3.0	OHV (Vulcan)	87-88
TAURUS - SE	182		3.0	Duratec	06
	182		3.0	OHV (Vulcan)	95-06
	232		3.8	OHV	95
TAURUS - SEL	182		3.0	Duratec	06
	182		3.0	OHV (Vulcan)	06
TAURUS - SHO	182		3.0	SHO (DOHC)	89-95
	195		3.2	SHO (DOHC)	93-95
TEMPO	140		2.3	OHV (HSC)	87-91
TEMPO - GL	122	1989	2.0	Mazda RF	84-86
	140		2.3	OHV (HSC)	84-94
	182		3.0	OHV (Vulcan)	92-94
TEMPO - GLS	140		2.3	OHV (HSC)	91
	182		3.0	OHV (Vulcan)	92
TEMPO - GLX	122	1989	2.0	Mazda RF	84-85
	140		2.3	OHV (HSC)	84-85
TEMPO - L	122	1989	2.0	Mazda RF	84-85
	140		2.3	OHV (HSC)	84-91
TEMPO - LX	122	1989	2.0	Mazda RF	86
	140		2.3	OHV (HSC)	86-94
	182		3.0	OHV (Vulcan)	92-94
TEMPO - SPORT	140		2.3	OHV (HSC)	87-90
THUNDERBIRD	140		2.3	OHC	83-88
	200		3.3	7 Main	80-82
	232		3.8	OHV	82-92
	255		4.2		80-82
	302		5.0		77-92
	351		5.8	Modified	77-79
	351		5.8	Windsor	77-79
	390		6.4		64-68
	400		6.6		72-78
	427		7.0		64-67
	428		7.0		66-67
	429		7.0		68-73
THUNDERBIRD	460		7.5		72-76
THUNDERBIRD - LX	232		3.8	OHV	87-97
	281		4.6	SOHC	94-97
	302		5.0		87-93
THUNDERBIRD - SC	232		3.8	OHV	89-95
THUNDERBIRD - SPORT	140		2.3	OHC	87-88
	302		5.0		87-88
TORINO	200		3.3	7 Main	68
	250		4.1		69-74
	289		4.7		68
	302		5.0		68-74
	351		5.8	Cleveland	70-74
	351		5.8	Modified	75-76
	351		5.8	Windsor	69-76
	390		6.4		68-69
	400		6.6		72-76
	428		7.0		69
	429		7.0		70-73
	460		7.5		73-76
TORINO - 500	250		4.1		71
	302		5.0		71
	351		5.8	Cleveland	71
	351		5.8	Windsor	71
	429		7.0		71
TORINO - BROUGHAM	302		5.0		70-71
	351		5.8	Cleveland	70-71
	351		5.8	Windsor	70-71
	429		7.0		70-71
TORINO - COBRA	428		7.0		69
	429		7.0		70-71
TORINO - GT	289		4.7		68
	302		5.0		68-71
	351		5.8	Cleveland	70-71
	351		5.8	Windsor	69-71
	390		6.4		68-69
	428		7.0		68-69
	429		7.0		70-71
TORINO - SQUIRE	250		4.1		69
	302		5.0		69-71
	351		5.8	Cleveland	70-71
	351		5.8	Windsor	69-71
	390		6.4		69
	429		7.0		70-71
TORINO - SUPER COBRA JET	429		7.0		70-71
VICTORIA	200		3.3	4 Main	63
	260		4.3		63-64
	289		4.7		63
	352		5.8		64
	390		6.4		64
WINDSTAR	182		3.0	OHV (Vulcan)	95-00
	232		3.8	OHV	95-03
ZX2	121	1989	2.0	DOHC (Zetec)	98-03

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**1**
1295cc (1.3) Mazda B3			**H**	**L4**	**71mm x 83.6mm**	**Connecting Rod 25-29 ft.lbs/34-39 Nm** 1.3L engine			
1295cc (1.3) Mazda B3			**K**	**L4**	**71mm x 83.6mm**	**Main Bearing 40-44 ft.lbs/54-59 Nm**			
112 (1.8) Mazda BP DOHC			**8**	**L4**	**83mm x 85mm**	**Connecting Rod 37-40 ft.lbs/50-54 Nm** 1.8L engine			
Rod - 1.3L engine only.									
	39.939/1.5724 39.954/1.5730	43.000/1.6929 43.019/1.6937	1.509/0.0594	.028/.0011 .079/.0031	17.00/0.669	F820	8	8331AL IH	**4B8331** Std. .25 .50 .75 1.0
Rod - 1.8L engines only.									
	44.940/1.7693 44.956/1.7699	47.996/1.8896 48.016/1.8904	1.510/0.0594	.020/.0008 .071/.0028	17.00/0.669	F810	8	8351A IH	**4B8351** Std. .25 .50 .75 1.0

FORD

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 (Cont'd.)									
	Main								
5M8353 Std. .25 .50 .75 1.0	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.010/0.0791	.022/.0009 .076/.0030	17.50/0.689	F810	5	8354A U
	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.022/.0009 .076/.0030	17.50/0.689	F810	5	8353A L
	Thrust								
1T8353 Std.	4	57.100/2.2480 (Nominal I.D.)	68.830/2.7098 (Nominal O.D.)			2.55/0.100	F250	2	8353T IH
	Note: Set includes two pieces, use on No.4 position. Required with 5M8353 main set.								
2 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1297cc (1.3) Courier Van (HCS)			**L4**	**73.96mm x 75.48mm**					
1297cc (1.3) Escort (HCS)			**L4**	**73.96mm x 75.48mm**					
1297cc (1.3) Fiesta (HCS)			**L4**	**73.96mm x 75.48mm**					
1297cc (1.3) Ka (HCS)			**L4**	**73.96mm x 75.48mm**					
	Rod								
4B1810 Std. .25 .50 .75 1.0		40.990/1.6138 41.010/1.6146	43.990/1.7319 44.010/1.7327	1.485/0.0585	.010/.0004 .076/.0030	18.00/0.709	F780	8	1810 IH
	Main								
5M1815 Std. .25 .50 .75 1.0	1-5	56.990/2.2437 57.000/2.2441	60.623/2.3867 60.636/2.3872	1.805/0.0711	.013/.0005 .062/.0024	18.50/0.728	F780	10	1815 U/L
	Thrust								
1T1649 Std.		63.600/2.5039 63.850/2.5138	77.850/3.0650 78.100/3.0748			2.85/0.112	F250	2	1649T U
	Note : Set contains two pieces. Required with 5M1815 main set.								
3 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1558cc (1.6) Escort & Cortina Lotus (Twin Cam)			**L4**	**82.5mm x 72.8mm**					
	Rod								
4B603P Std. 10 20 30 40		49.200/1.9370 49.212/1.9375	52.896/2.0825 52.908/2.0830	1.835/0.0722	.015/.0006 .064/.0025	22.35/0.880	F780	8	5216 IH
	Main - .015" oversize OD version of 5M742P.								
5M2152+015 Std. 10 20 30 40	1-5	53.988/2.1255 54.000/2.1260	58.064/2.2860 58.077/2.2865	2.027/0.0798	.013/.0005 .056/.0022	25.53/1.005	F780	10	2152+015 IH
	Main								
5M742P Std. 10 20 30 40	1-5	53.988/2.1255 54.000/2.1260	57.683/2.2710 57.696/2.2715	1.840/0.0724	.013/.0005 .056/.0022	25.53/1.005	F780	10	2152 IH
	Thrust								
1T113S Std. +.005	3	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.36/0.093	F250	2	2152T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 5M742P/5M2152+015 main set.								
	Cam Tower - Split cam type insert								
10C5808 Std.		25.400/1.0000 25.412/1.0005	28.587/1.1255 28.800/1.1339	1.584/0.0624	.007/.0003 .048/.0019	19.18/0.755	F23	16	5808 IH
		25.400/1.0000 25.412/1.0005	28.587/1.1255 28.600/1.1260	1.584/0.0624	.007/.0003 .048/.0019	12.82/0.505	F23	4	5809 IH
4 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
98 1598cc (1.6) OHV (Fiesta)			**L4**	**3.19 x 3.06**		**Connecting Rod 30-35 ft.lbs/41-47 Nm Main Bearing 55-60 ft.lbs/75-81 Nm**			
	Rod								
4B603P Std. 10 20 30 40		49.200/1.9370 49.212/1.9375	52.896/2.0825 52.908/2.0830	1.835/0.0722	.015/.0006 .064/.0025	22.35/0.880	F780	8	5216 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 4
Main									
1,5	53.988/2.1255 54.000/2.1260	57.683/2.2710 57.696/2.2715	1.836/0.0723	.015/.0006 .074/.0029	22.53/0.887	F780	4	MB2758AL	**5M1455AL** Std. 10 20
2,3,4	53.988/2.1255 54.000/2.1260	57.683/2.2710 57.696/2.2715	1.836/0.0723	.015/.0006 .074/.0029	25.53/1.005	F780	6	MB2759AL	
Thrust									
3	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.36/0.093	F250	2	2152T IH	**1T113S** Std. +.005
Note: Thrust set includes two pieces. Use on No. 3 position. Required with 5M1455AL.									
Cam									
1	39.616/1.5597 39.637/1.5605	42.888/1.6885 42.913/1.6895	1.610/0.0633		20.19/0.795	F23	1	F-28-1	**3C711S** Std.
2	39.616/1.5597 39.637/1.5605	42.888/1.6885 42.913/1.6895	1.610/0.0633		17.53/0.690	F23	1	F-28-2	
3	39.616/1.5597 39.637/1.5605	42.888/1.6885 42.913/1.6895	1.610/0.0633		20.19/0.795	F23	1	F-28-3	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
98 1598cc (1.6) OHV (Kent / Pinto)	**W**	**L4**	**3.19 x 3.06**	**Connecting Rod 30-35 ft.lbs/41-47 Nm Main Bearing 55-60 ft.lbs/75-81 Nm**	**5**

Rod									
	49.200/1.9370 49.212/1.9375	52.896/2.0825 52.908/2.0830	1.835/0.0722	.015/.0006 .064/.0025	22.35/0.880	F780	8	5216 IH	**4B603P** Std. 10 20 30 40
Main - .015" oversize OD version of 5M742P.									
1-5	53.988/2.1255 54.000/2.1260	58.064/2.2860 58.077/2.2865	2.027/0.0798	.013/.0005 .056/.0022	25.53/1.005	F780	10	2152+015 IH	**5M2152+015** Std. 10 20 30 40
Main									
1-5	53.988/2.1255 54.000/2.1260	57.683/2.2710 57.696/2.2715	1.840/0.0724	.013/.0005 .056/.0022	25.53/1.005	F780	10	2152 IH	**5M742P** Std. 10 20 30 40
Thrust									
3	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.36/0.093	F250	2	2152T IH	**1T113S** Std. +.005
Note: Set includes two pieces, use on No. 3 position. Required with 5M742P/5M2152+015 main set.									
Cam									
1	39.616/1.5597 39.637/1.5605	42.888/1.6885 42.913/1.6895	1.610/0.0633		20.19/0.795	F23	1	F-28-1	**3C711S** Std.
2	39.616/1.5597 39.637/1.5605	42.888/1.6885 42.913/1.6895	1.610/0.0633		17.53/0.690	F23	1	F-28-2	
3	39.616/1.5597 39.637/1.5605	42.888/1.6885 42.913/1.6895	1.610/0.0633		20.19/0.795	F23	1	F-28-3	
Small End - not bored - single pieces.									
	20.625/0.8120 20.632/0.8123	22.327/0.8790 22.352/0.8800			26.67/1.050	F100	1	RB902	**RB902** Semi
AR Auxiliary									
Front	41.953/1.6517 41.978/1.6527	45.072/1.7745 45.099/1.7755	1.571/0.0619	.014/.0006 .081/.0032	12.95/0.510	F23	1	FG-29	**1C1094S** Std.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
98 1598cc (1.6) OHC	**2**	**L4**	**3.156 x 3.125**	**Connecting Rod 19-25 ft.lbs/26-34 Nm Main Bearing 67-80 ft.lbs/91-108 Nm**	**6**
98 1598cc (1.6) OHC	**4**	**L4**	**3.156 x 3.125**		
98 1598cc (1.6) OHC	**5**	**L4**	**3.156 x 3.125**		
98 1598cc (1.6) OHC	**7**	**L4**	**3.156 x 3.125**		
98 1598cc (1.6) OHC Turbo	**8**	**L4**	**3.156 x 3.125**		

Rod									
	47.889/1.8854 47.909/1.8862	50.889/2.0035 50.909/2.0043	1.487/0.0585	.006/.0002 .072/.0028	19.35/0.762	F780	8	5226 IH	**4B1276P** Std. 10 20 30

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
6 (Cont'd.)									
	Main								
5M1557P Std. 10 20 30	1-5	57.981/2.2827 58.001/2.2835	62.286/2.4522 62.300/2.4528	2.138/0.0842	.010/.0004 .069/.0027	22.45/0.884	F780	9	5227 IH
	3 (FI)	57.981/2.2827 58.001/2.2835	62.286/2.4522 62.300/2.4528	2.138/0.0842	.010/.0004 .069/.0027	28.73/1.131	F780	1	5228 U
	Overflange length remains constant for standard and undersizes.								

7 ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
110 (1.8) Mazda VB		**L4**	**78mm x 94mm**	**Connecting Rod 30 ft.lbs/41 Nm** (1972-74 engines only)
110 (1.8) Mazda VB	**A**	**L4**	**78mm x 94mm**	
110 (1.8) Mazda VB	**C**	**L4**	**78mm x 94mm**	**Connecting Rod 31 ft.lbs/42 Nm** (1975-82 engines only)
122 (2.0) Mazda MA	**1**	**L4**	**80mm x 98mm**	**Main Bearing 60 ft.lbs/81 Nm** (1972-74 engines only) **Main Bearing 63 ft.lbs/85 Nm** (1975-82 engines only)

	Rod								
4B1626 Std. .25 .50 .75 1.0		52.941/2.0843 52.954/2.0848	56.002/2.2048 56.017/2.2054	1.510/0.0594	.028/.0011 .071/.0028	21.97/0.865	F820	8	1626AL IH
	Main								
5M1627 Std. .25 .50 .75 1.0	1,2,4	62.939/2.4779 62.954/2.4785	67.010/2.6382 67.018/2.6385	2.007/0.0790	.030/.0012 .071/.0028	18.00/0.709	F820	6	1627AL IH
	3,5	62.939/2.4779 62.954/2.4785	67.010/2.6382 67.018/2.6385	2.007/0.0790	.030/.0012 .071/.0028	24.00/0.945	F820	4	1628AL U/L
	Thrust								
2T4162 Std.	5	69.850/2.7500 70.010/2.7563	85.470/3.3650 85.725/3.3750			2.03/0.080	F1	4	4162T U/L
	Note - Set includes four pieces, use on No. 5 position. Required with 5M1627 main set.								
	Cam								
3C8276 Std.	1	44.945/1.7695 44.961/1.7701	49.009/1.9295 49.032/1.9304	2.014/0.0793	.020/.0008 .076/.0030	24.00/0.945	F23	2	8276 IH
	2,3	44.945/1.7695 44.961/1.7701	49.009/1.9295 49.032/1.9304	2.014/0.0793	.020/.0008 .076/.0030	18.00/0.709	F23	4	8277 U/L
	Small End - not bored - single pieces.								
RB4017 Semi		22.000/0.8661 (Nominal)	25.000/0.9843 (Nominal)			28.07/1.105	F100	1	RB4017

8 ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
116 (1.9) SOHC	**9**	**L4**	**3.23 x 3.46**	**Connecting Rod 19-25 ft.lbs/20-34 Nm** (1985-88 engines)
116 (1.9) SOHC	**J**	**L4**	**3.23 x 3.46**	**Connecting Rod 26-30 ft.lbs/35-40 Nm** (1989-96 engines) **Main Bearing 67-80 ft.lbs/90-108 Nm**

	Rod - 1985-86 engines (1.8862" journal).								
4B1276P Std. 10 20 30		47.889/1.8854 47.909/1.8862	50.889/2.0035 50.909/2.0043	1.487/0.0585	.006/.0002 .072/.0028	19.35/0.762	F780	8	5226 IH
	Rod - High Strength Aluminum Silicon material.								
4B1380A Std. .25 .50		43.888/1.7279 43.909/1.7287	46.888/1.8460 46.909/1.8468	1.488/0.0586	.025/.0010 .071/.0028	19.50/0.768	F810	8	5231A IH
	Rod - 1987-96 engines (1.7287" journal). To be superceded by 4B1380A when stock exhausted.								
4B1380P Std. .25 .50 .75 1.0		43.888/1.7279 43.909/1.7287	46.888/1.8460 46.909/1.8468	1.488/0.0586	.025/.0010 .071/.0028	19.50/0.768	F780	8	5231 IH
	Main								
5M1706P Std. .25 .50 .75	1-5	57.980/2.2827 58.000/2.2835	62.286/2.4522 62.300/2.4528	2.128/0.0838	.030/.0012 .089/.0035	21.45/0.844	F780	5	5235 L
	1,2,4,5	57.980/2.2827 58.000/2.2835	62.286/2.4522 62.300/2.4528	2.128/0.0838	.030/.0012 .089/.0035	22.45/0.884	F780	4	5236 U
	3(FI)	57.980/2.2827 58.000/2.2835	62.286/2.4522 62.300/2.4528	2.128/0.0838	.030/.0012 .089/.0035	28.73/1.131	F780	1	5237 U
	Overflange length remains constant for standards and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 8
Cam Tower - OHC Repair Bush Set.									
1		48.349/1.9035	1.277/0.0503		23.50/0.925	F23	1	FA-1-1	**5C6003S** Std.
2		48.222/1.8985	1.214/0.0478		23.50/0.925	F23	1	FA-1-2	
3		48.095/1.8935	1.151/0.0453		23.50/0.925	F23	1	FA-1-3	
4		47.968/1.8885	1.087/0.0428		23.50/0.925	F23	1	FA-1-4	
5		47.841/1.8835	1.024/0.0403		23.50/0.925	F23	1	FA-1-5	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				9
122 1989cc (2.0) OHC (Pinto)		**X**	**L4**	**3.58 x 3.03**	**Connecting Rod 29-34 ft.lbs/39-46 Nm Main Bearing 65-75 ft.lbs/88-102 Nm**				
Rod									
	51.990/2.0468 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.490/0.0589	.008/.0003 .064/.0025	20.00/0.787	F780	8	5220 IH	**4B943P** Std. .25 .50 .75 1.0
Main									
1-5	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.810/0.0713	.010/.0004 .066/.0026	23.57/0.928	F780	10	5221 IH	**5M1084P** Std. .25 .50 .75 1.0
Thrust									
3	63.600/2.5039 63.850/2.5138	80.240/3.1590 80.500/3.1693			2.35/0.093	F250	4	2167T U/L	**2T218S** Std.
Note : Set includes four pieces, use on No.3 position. Required with 5M1084P main set.									
Cam									
1	41.990/1.6531 42.010/1.6539	45.085/1.7750 45.110/1.7760	1.520/0.0600		20.07/0.790	F23	1	F-29-1	**3C733S** Std.
2	44.610/1.7563 44.630/1.7571	47.700/1.8780 47.725/1.8790	1.520/0.0600		17.02/0.670	F23	1	F-29-2	
3	44.990/1.7712 45.010/1.7720	48.082/1.8930 48.108/1.8940	1.520/0.0600		16.00/0.630	F23	1	F-29-3A	
AR Auxiliary									
Front	41.953/1.6517 41.978/1.6527	45.072/1.7745 45.099/1.7755	1.571/0.0619	.014/.0006 .081/.0032	12.95/0.510	F23	1	FG-29	**1C1094S** Std.
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				10
122 1989cc (2.0) Mazda FS DOHC		**A**	**L4**	**83mm x 92mm**	**Connecting Rod 16-20 ft.lbs/22-27 Nm + 82-97 deg. Main Bearing 13-16 ft.lbs/18-22 Nm + 85-95 deg.**				
Rod									
	47.940/1.8874 47.955/1.8880	51.000/2.0079 51.015/2.0085	1.510/0.0594	.025/.0010 .071/.0028	17.00/0.669	F780	8	8300 IH	**4B8300** Std. .25 .50 .75 1.0
Main									
1-5	55.937/2.2022 55.955/2.2029	60.000/2.3622 60.015/2.3628	2.010/0.0791	.025/.0010 .074/.0029	17.50/0.689	F780	10	8302 U/L	**5M8302** Std. .25 .50 .75
Thrust									
4	62.000/2.4409 62.250/2.4508	81.350/3.2027 81.600/3.2126			2.55/0.100	F817	2	8302T IH	**1T8302** Std.
Note : Set includes 2 pieces, use on No. 4 position. Required with 5M8302 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				11
122 1989cc (2.0) SOHC		**P**	**L4**	**3.338 x 3.464**	**Connecting Rod 26-30 ft.lbs/35-41 Nm Main Bearing 66-79 ft.lbs/89-107 Nm**				
Rod - High Strength Aluminum Silicon material.									
	43.888/1.7279 43.909/1.7287	46.888/1.8460 46.909/1.8468	1.488/0.0586	.025/.0010 .071/.0028	19.50/0.768	F810	8	5231A IH	**4B1380A** Std. .25 .50
Rod - To be superceded by 4B1380A when stock exhausted.									
	43.888/1.7279 43.909/1.7287	46.888/1.8460 46.909/1.8468	1.488/0.0586	.025/.0010 .071/.0028	19.50/0.768	F780	8	5231 IH	**4B1380P** Std. .25 .50 .75 1.0

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
11 (Cont'd.)									
	Main								
5M1706P Std. .25 .50 .75	1-5	57.980/2.2827 58.000/2.2835	62.286/2.4522 62.300/2.4528	2.128/0.0838	.030/.0012 .089/.0035	21.45/0.844	F780	5	5235 L
	1,2,4,5	57.980/2.2827 58.000/2.2835	62.286/2.4522 62.300/2.4528	2.128/0.0838	.030/.0012 .089/.0035	22.45/0.884	F780	4	5236 U
	3(Fl)	57.980/2.2827 58.000/2.2835	62.286/2.4522 62.300/2.4528	2.128/0.0838	.030/.0012 .089/.0035	28.73/1.131	F780	1	5237 U
	Overflange length remains constant for standard and undersizes.								

12 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
122 1989cc (2.0) Mazda RF Diesel	**H**	**L4**	**86mm x 86mm**	**Connecting Rod 51-54 ft.lbs/69-73 Nm** **Main Bearing 61-65 ft.lbs/83-88 Nm**

	Rod								
4B2130 Std. .25 .50 .75 1.0		50.940/2.0055 50.955/2.0061	54.002/2.1261 54.017/2.1266	1.510/0.0594	.027/.0011 .083/.0033	21.13/0.832	F810	8	2130A IH
	Main								
5M2134 Std. .25 .50 .75 1.0	1,2,4,5	59.940/2.3598 59.960/2.3606	63.999/2.5196 64.019/2.5204	2.007/0.0790	.025/.0010 .091/.0036	19.13/0.753	F780	8	2134 IH
	3	59.940/2.3598 59.960/2.3606	63.999/2.5196 64.019/2.5204	2.007/0.0790	.025/.0010 .091/.0036	21.13/0.832	F780	2	2135 IH
	Thrust								
2T2134 Std.	3	68.800/2.7087 (Nominal I.D.)	84.250/3.3169 (Nominal O.D.)			2.05/0.081	F250	4	2134T U/L
	Note: Set includes four pieces, use on No.3 position. Required with 5M2134 main set.								
	Small End - not bored, single pieces.								
RB4077 Semi		24.987/0.9837 25.000/0.9843	28.013/1.1029 28.033/1.1037			26.75/1.053	F100	1	RB4077

13 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
122 1989cc (2.0) OHC	**C**	**L4**	**3.52 x 3.13**	**Connecting Rod 30-36 ft.lbs/40-48 Nm**
140 (2.3) OHC	**2**	**L4**	**3.78 x 3.13**	**Main Bearing 80-90 ft.lbs/108-122 Nm**
140 (2.3) OHC	**6**	**L4**	**3.78 x 3.13**	
140 (2.3) OHC	**A**	**L4**	**3.78 x 3.13**	
140 (2.3) OHC	**B**	**L4**	**3.78 x 3.13**	
140 (2.3) OHC	**M**	**L4**	**3.78 x 3.13**	
140 (2.3) OHC Turbo	**T**	**L4**	**3.78 x 3.13**	
140 (2.3) OHC Turbo	**W**	**L4**	**3.78 x 3.13**	
140 (2.3) OHC	**Y**	**L4**	**3.78 x 3.13**	

	Rod								
4B984P Std. 10 20 30		51.981/2.0465 51.999/2.0472	55.169/2.1720 55.189/2.1728	1.580/0.0624	.012/.0005 .076/.0030	20.32/0.800	F780	8	2186 IH
	Main - for 1974-90 single spark plug engines only, full groove.								
5M1117P Std. 10 20 30 40	1,2,4,5	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.012/.0005 .078/.0031	24.13/0.950	F780	8	2185 U/L
	3 (Fl)	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.012/.0005 .078/.0031	30.35/1.195	F780	2	2187 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - 1989-97 dual spark plug engines.								
5M1743P Std. .25 .50 .75 1.0	1-5	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.428/0.0956	.020/.0008 .066/.0026	24.13/0.950	F780	4	1753 L
	1,2,4,5	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.428/0.0956	.020/.0008 .066/.0026	24.13/0.950	F780	4	1753 U
	3 (Fl)	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.428/0.0956	.020/.0008 .066/.0026	30.33/1.194	F780	1	1754 U
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 13
Main - Alt set to 5M1743P with +0.010" overflange length increase. * See dimensional information below.									
1-5	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.553/0.1005 (@ 0.25 mm u/s)	.020/.0008 .066/.0026	24.13/0.950	F780	5	1753 L	**5M7194P** .25 .50 .75
1,2,4,5	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.553/0.1005 (@ 0.25 mm u/s)	.020/.0008 .066/.0026	24.13/0.950	F780	4	1753 U	
3 (FI)	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.553/0.1005 (@ 0.25 mm u/s)	.020/.0008 .066/.0026	30.58/1.204	F780	1	7194 U	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 5M7194P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.204"	+0.010"
0.50 mm u/s shaft	1.204"	+0.010"
0.75 mm u/s shaft	1.204"	+0.010"

Cam - Special oil control bearing - differs from OEM design. 360 OD groove.									
1-4	44.990/1.7713 45.010/1.7720	48.275/1.9006 48.300/1.9016	1.620/0.0638		17.73/0.698	F23	4	F-34-1B	**4C777BS** Std.
Cam									
1-4	44.990/1.7713 45.010/1.7720	48.275/1.9006 48.300/1.9016	1.620/0.0638		17.73/0.698	F23	4	F-34-1	**4C777S** Std.
AR Auxiliary									
1	41.960/1.6520 41.986/1.6530	45.644/1.7970 45.670/1.7980	1.810/0.0712		12.83/0.505	F23	1	AGB-34-1	**2C1095S** Std.
2	41.960/1.6520 41.986/1.6530	45.136/1.7770 45.160/1.7780	1.550/0.0612		12.83/0.505	F23	1	AGB-34-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
121 1989cc (2.0) DOHC (Zetec)	**3**	**L4**	**84.8mm x 87.9mm**	**Connecting Rod 16-19 ft.lbs + 90 deg**	**14**
121 1989cc (2.0) DOHC (Zetec)	**Z**	**L4**	**84.8mm x 87.9mm**	**Main Bearing 13-16 ft.lbs + 90 deg**	
122 1989cc (2.0) DOHC (Zetec)	**5**	**L4**	**84.8mm x 87.9mm**		
122 1989cc (2.0) DOHC (Zetec)	**B**	**L4**	**84.8mm x 87.9mm**		

Rod - High Strength Aluminum Silicon material.									
	46.890/1.8461 46.910/1.8468	49.890/1.9642 49.910/1.9650	1.475/0.0581	.030/.0012 .086/.0034	20.10/0.791	F810	8	4135A IH	**4B4135A** Std. .25 .50 .75
Rod - .002" oversize OD version of 4B4135A.									
	46.890/1.8461 46.910/1.8468	49.940/1.9661 49.960/1.9669	1.625/0.0640 (@ 0.25mm u/size)	.030/.0012 .086/.0034	20.10/0.791	F810	8	9062A IH	**4B4135AO/S2** .25 .50 .75
Main - High Strength Aluminum Silicon material.									
1,2,4,5	57.980/2.2827 58.000/2.2835	62.287/2.4522 62.300/2.4528	2.131/0.0839	.025/.0010 .074/.0029	19.21/0.756	F810	9	7193A U/L	**5M7193A** Std. .25 .50 .75
3 (FI)	57.980/2.2827 58.000/2.2835	62.287/2.4522 62.300/2.4528	2.131/0.0839	.025/.0010 .074/.0029	24.68/0.972	F810	1	7195A U	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
121 (2.0) Duratec	**N**	**L4**	**84.8mm x 87.9mm**	**15**

Rod									
	46.980/1.8496 47.000/1.8504	50.025/1.9695 50.045/1.9703	1.505/0.0593	.015/.0006 .075/.0030	16.25/0.640	F780	8	4390 IH	**4B4390** Std. .25 .50
Main									
1,2,4,5	51.980/2.0465 52.000/2.0472	57.019/2.2448 57.037/2.2455	2.520/0.0992	.015/.0006 .045/.0018	19.09/0.752	F810	9	8173A U/L	**5M8174A** Std. .25 .50 .75
3 (FI)	51.980/2.0465 52.000/2.0472	57.019/2.2448 57.037/2.2455	2.517/0.0991	.015/.0006 .045/.0018	25.75/1.014	F810	1	8174A U	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
16 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
133 (2.2) Mazda F2			**C L4**	**86mm x 94mm**		**Connecting Rod 48-51 ft.lbs/65-69 Nm**			
133 (2.2) Mazda F2 Turbo			**L L4**	**86mm x 94mm**		**Main Bearing 61-65 ft.lbs/83-88 Nm**			
	Rod								
4B2130 Std. .25 .50 .75 1.0		50.940/2.0055 50.955/2.0061	54.002/2.1261 54.017/2.1266	1.510/0.0594	.027/.0011 .083/.0033	21.13/0.832	F810	8	2130A IH
	Main - half groove. Overflange width increases for undersizes.*See below for dimensional information.								
5M8133 Std. .25 .50 .75 1.0	1-5	59.939/2.3598 59.954/2.3604	64.000/2.5197 64.018/2.5204	2.014/0.0793	.017/.0007 .071/.0028	19.13/0.753	F780	5	8133 L
	1,2,4,5	59.939/2.3598 59.954/2.3604	64.000/2.5197 64.018/2.5204	2.014/0.0793	.017/.0007 .071/.0028	19.13/0.753	F780	4	8134 U
	3 (FI)	59.939/2.3598 59.954/2.3604	64.000/2.5197 64.018/2.5204	2.014/0.0793	.017/.0007 .071/.0028	27.99/1.102	F780	1	8135 U

*** DIMENSIONAL INFORMATION FOR 5M8133**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.106"/28.09mm	+0.004"/0.10mm
0.50 mm u/s shaft	1.109"/28.17mm	+0.007"/0.18mm
0.75 mm u/s shaft	1.112"/28.25mm	+0.010"/0.26mm
1.00 mm u/s shaft	1.115"/28.33mm	+0.013"/0.34mm

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
17 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
134 (2.2) Mazda S2 Diesel			**P L4**	**88.9mm x 89mm**		**Connecting Rod 50-54 ft.lbs/68-73 Nm** **Main Bearing 80-85 ft.lbs/108-115 Nm**			
	Rod								
4B1750 Std. .25 .50 .75 1.0		52.987/2.0861 53.000/2.0866	56.683/2.2316 56.696/2.2321	1.833/0.0722	.021/.0008 .073/.0029	28.60/1.126	F780	8	1750 IH
	Main								
5M1748 Std. .25 .50 .75	1,2,4,5	64.987/2.5585 65.000/2.5591	68.987/2.7160 69.000/2.7165	1.983/0.0781	.021/.0008 .073/.0029	28.60/1.126	F780	8	1748 IH
	3	64.987/2.5585 65.000/2.5591	68.987/2.7160 69.000/2.7165	1.983/0.0781	.021/.0008 .073/.0029	28.60/1.126	F780	1	1748 U
	3	64.987/2.5585 65.000/2.5591	68.987/2.7160 69.000/2.7165	1.983/0.0781	.021/.0008 .073/.0029	28.60/1.126	F780	1	1749 L
	Thrust								
2T1748 Std.	3	73.500/2.8937 (Nominal I.D.)	90.300/3.5551 (Nominal O.D.)			2.33/0.092	F250	4	1748T U/L
	Note: Thrust set includes four pieces, use on No. 3 position. Required with 5M1748 main set.								
	Small End - not bored, single pieces.								
RB4068 Semi		28.000/1.1024 (Nominal)	30.987/1.2200 31.000/1.2205	1.830/0.0720		26.80/1.055	F100	1	RB4068

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
18 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
140 (2.3) OHV (HSC)			**R L4**	**3.78 x 3.13**		**Connecting Rod 21-26 ft.lbs/29-35 Nm**			
140 (2.3) OHV (HSC)			**S L4**	**3.78 x 3.13**		**Main Bearing 51-66 ft.lbs/69-90 Nm**			
140 (2.3) OHV (HSC)			**X L4**	**3.78 x 3.13**					
153 (2.5) OHV (HSC)			**D L4**	**3.78 x 3.58**					
	Rod - 1986-94 engines only.								
4B1383P Std. 10 20 30		53.929/2.1232 53.950/2.1240	56.871/2.2390 56.891/2.2398	1.458/0.0574	.005/.0002 .071/.0028	20.57/0.810	F780	8	5240 IH
	Rod - 1984-85 engines only.								
4B583P Std. 10 20 30		53.934/2.1234 53.945/2.1238	56.871/2.2390 56.891/2.2398	1.458/0.0574	.010/.0004 .066/.0026	20.57/0.810	F780	8	2150 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 18
Main									
1	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .071/.0028	25.90/1.020	F780	1	5223 U	**5M1629P** Std. 10 20 30
2,4,5	57.109/2.2484 57.119/2.2488	60.995/2.4014 61.006/2.4018	1.928/0.0759	.020/.0008 .056/.0022	25.90/1.020	F780	3	2126 U	
1-5	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .071/.0028	25.90/1.020	F780	5	5224 L	
3 (FI)	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .076/.0030	32.28/1.271	F780	1	2127 U	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 5M1629P with +.004" overflange length increase for underizes. *See below for dimensional information.									
1	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .071/.0028	25.90/1.020	F780	1	5223 U	**5M5222P** 20
2,4,5	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.020/.0008 .056/.0022	25.90/1.020	F780	3	2126 U	
1-5	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .071/.0028	25.90/1.020	F780	5	5224 L	
3 (FI)	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .076/.0030	32.39/1.275	F780	1	5222 U	
to be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 5M5222P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.275"	+.004"

Cam									
1	50.988/2.0074 51.013/2.0084	55.988/2.2042 56.012/2.2052	2.470/0.0973		18.42/0.725	F23	1	F-46-1	**4C1251S** Std.
2,3	50.988/2.0074 51.013/2.0084	55.588/2.1885 55.613/2.1895	2.270/0.0894		18.42/0.725	F23	2	F-46-2	
4	50.988/2.0074 51.013/2.0084	55.988/2.2042 56.012/2.2052	2.470/0.0973		12.90/0.508	F23	1	F-46-3	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
140 (2.3) Mits 4D55 Turbo Diesel	**E**	**L4**	**91mm x 90mm**	**Connecting Rod 32-35 ft.lbs/44-47 Nm** **Main Bearing 55-61 ft.lbs/74-83 Nm**	19

Rod									
	52.973/2.0855 53.000/2.0866	56.007/2.2050 56.021/2.2055	1.493/0.0588	.021/.0008 .076/.0030	25.13/0.989	F820	8	1136AL IH	**4B1136** Std. .25 .50 .75 1.0
Main									
1,2,4,5	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	25.13/0.989	F780	8	1137 U/L	**5M1137** Std. .25 .50 .75 1.0
3 (FI)	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	30.95/1.219	F780	2	1138 IH	
Overflange length remains constant for standard and undersizes.									
Balance Shaft									
2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8288	**3BS8288** Std. .25
1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
140 (2.3) Duratec	**D**	**L4**	**87.4mm x 94mm**	**Connecting Rod 26 ft.lbs + 90 deg**	20
140 (2.3) Duratec	**Z**	**L4**	**87.4mm x 94mm**	**Main Bearing 63 ft.lbs** (Tighten thrust position last)	

Rod									
	49.980/1.9677 50.000/1.9685	53.025/2.0876 53.045/2.0884	1.500/0.0591	.026/.0010 .052/.0020	16.80/0.661	F810	8	8170A IH	**4B8170A** Std. .25 .50

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
20 (Cont'd.)									
	Rod - .002" oversize OD version of 4B8170A.								
4B8170AO/S2 .25 .50 .75		49.980/1.9677 50.000/1.9685	53.076/2.0896 53.096/2.0904	1.650/0.0650 (@ 0.25mm u/s)	.026/.0010 .052/.0020	16.80/0.661	F810	8	9111A IH
	Main								
5M8174A Std. .25 .50 .75	1,2,4,5	51.980/2.0465 52.000/2.0472	57.019/2.2448 57.037/2.2455	2.520/0.0992	.015/.0006 .045/.0018	19.09/0.752	F810	9	8173A U/L
	3 (FI)	51.980/2.0465 52.000/2.0472	57.019/2.2448 57.037/2.2455	2.517/0.0991	.015/.0006 .045/.0018	25.75/1.014	F810	1	8174A U

21 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
144 (2.4)		**L6**	**3.50 x 2.50**	**Connecting Rod 19-24 ft.lbs/26-32 Nm**
170 (2.8)		**L6**	**3.50 x 2.94**	**Main Bearing 60-70 ft.lbs/81-95 Nm**
170 (2.8)	**F**	**L6**	**3.50 x 2.94**	
170 (2.8)	**U**	**L6**	**3.50 x 2.94**	
200 (3.3) 4 Main		**L6**	**3.68 x 3.13**	

	Rod								
6B583P Std. 10 20 30 40		53.934/2.1234 53.945/2.1238	56.871/2.2390 56.891/2.2398	1.458/0.0574	.010/.0004 .067/.0026	20.57/0.810	F780	12	2150 IH
	Cam								
4C703S Std.	1	45.960/1.8095 45.985/1.8105	50.241/1.9780 50.267/1.9790	2.110/0.0832		18.42/0.725	F23	1	F-32-1
	2	45.960/1.8095 45.985/1.8105	49.860/1.9630 49.886/1.9640	1.920/0.0757		18.42/0.725	F23	1	F-17-2
	3	45.960/1.8095 45.985/1.8105	49.479/1.9480 49.505/1.9490	1.730/0.0682		18.42/0.725	F23	1	F-17-3
	4	45.960/1.8095 45.985/1.8105	49.098/1.9330 49.124/1.9340	1.540/0.0607		18.42/0.725	F23	1	F-17-4

22 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
153 (2.5) SOHC	**C**	**L4**	**3.779 x 3.405**	**Connecting Rod 26-30 ft.lbs/34-41 Nm** Stage 1 **Connecting Rod 31-36 ft.lbs/41-49 Nm** Stage 2 **Main Bearing 51-59 ft.lbs/68-81 Nm** Stage 1 **Main Bearing 76-84 ft.lbs/102-115 Nm** Stage 2

	Rod								
4B984P Std. 10 20 30		51.981/2.0465 51.999/2.0472	55.169/2.1720 55.189/2.1728	1.580/0.0624	.012/.0005 .076/.0030	20.32/0.800	F780	8	2186 IH
	Main								
5M1743P Std. .25 .50 .75 1.0	1-5	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.428/0.0956	.020/.0008 .066/.0026	24.13/0.950	F780	4	1753 L
	1,2,4,5	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.428/0.0956	.020/.0008 .066/.0026	24.13/0.950	F780	4	1753 U
	3 (FI)	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.428/0.0956	.020/.0008 .066/.0026	30.33/1.194	F780	1	1754 U
	Overflange length remains constant for standard and undersizes.								
	Main - Alt set to 5M7194P with +0.010" overflange length increase. * See dimensional information below.								
5M7194P .25 .50 .75	1-5	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.553/0.1005 (@ 0.25 mm u/s)	.020/.0008 .066/.0026	24.13/0.950	F780	5	1753 L
	1,2,4,5	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.553/0.1005 (@ 0.25 mm u/s)	.020/.0008 .066/.0026	24.13/0.950	F780	4	1753 U
	3 (FI)	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.553/0.1005 (@ 0.25 mm u/s)	.020/.0008 .066/.0026	30.58/1.204	F780	1	7194 U
	to be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 5M7194P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.204"	+0.010"
0.50 mm u/s shaft	1.204"	+0.010"
0.75 mm u/s shaft	1.204"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 22
Cam - Special oil control bearing - differs from OEM design. 360 OD groove.									
1-4	44.990/1.7713 45.010/1.7720	48.275/1.9006 48.300/1.9016	1.620/0.0638		17.73/0.698	F23	4	F-34-1B	**4C777BS** Std.
Cam									
1-4	44.990/1.7713 45.010/1.7720	48.275/1.9006 48.300/1.9016	1.620/0.0638		17.73/0.698	F23	4	F-34-1	**4C777S** Std.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 23
152 2450cc (2.5) Mazda KL (24V DOHC)	**B**	**V6**	**84.5mm x 74.2mm**	**Connecting Rod 16-20 ft.lbs/22-27 Nm + 82-97 deg** **Main Bearing 13-15 ft.lbs + 60 deg** Bolt C **Main Bearing 14-16 ft.lbs** Bolt D **Main Bearing 17-19 ft.lbs + 65-75 deg** Bolt B **Main Bearing 17-19 ft.lbs + 75-85 deg** Bolt A

Rod									
	52.935/2.0841 52.955/2.0848	56.000/2.2047 56.020/2.2055	1.511/0.0595	.023/.0009 .089/.0035	17.00/0.669	F780	12	8350 IH	**6B8350** Std. .25 .50 .75 1.0
Main									
1,2,3	61.930/2.4382 61.956/2.4392	67.000/2.6378 67.016/2.6384	2.505/0.0986	.034/.0013 .102/.0040	18.12/0.713	F780	6	8147 U/L	**4M8147** Std. .25 .50 .75
4	61.930/2.4382 61.956/2.4392	67.000/2.6378 67.016/2.6384	2.505/0.0986	.034/.0013 .102/.0040	22.12/0.871	F780	2	8148 U/L	
Thrust									
	68.250/2.6870 68.500/2.6968	79.750/3.1398 80.000/3.1496			2.05/0.081	F817	4	8352T U/L	**2T8352** Std.

Set includes 4 pieces, use on No. 4 position. Required with 4M8147 main set.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 24
155 2450cc (2.5) Duratec	**G**	**V6**	**82.3mm x 79.5mm**	**Connecting Rod + 90 degrees** Step 3
155 2450cc (2.5) Duratec	**L**	**V6**	**82.3mm x 79.5mm**	**Connecting Rod 17 ft.lbs/23 Nm** Step 1
182 (3.0) Duratec	**1**	**V6**	**89mm x 79.5mm**	**Connecting Rod 32 ft.lbs/43 Nm** Step 2
182 (3.0) Duratec	**2**	**V6**	**89mm x 79.5mm**	**Main Bearing** Consult Service Manual
182 (3.0) Duratec	**S**	**V6**	**89mm x 79.5mm**	

Rod - High Strength Aluminum Silicon material.									
	49.972/1.9674 49.990/1.9681	53.015/2.0872 53.035/2.0880	1.501/0.0591	.023/.0009 .077/.0030	18.00/0.709	F810	12	4395A	**6B4395A** Std. .25 .50 .75
Rod - .002" oversize OD version of 6B4395A.									
	49.972/1.9674 49.990/1.9681	53.066/2.0892 53.086/2.0900	1.651/0.0650 (@0.25mm u/s)	.023/.0009 .077/.0030	18.00/0.709	F810	12	9082A IH	**6B4395AO/S2** .25 .50 .75
Main - High Strength Aluminum Silicon material.									
1,2,3	62.969/2.4791 62.992/2.4800	67.998/2.6771 68.020/2.6779	2.502/0.0985	.020/.0008 .060/.0024	17.90/0.705	F810	6	7262A U/L	**4M7262A** Std. .25 .50 .75
4 (FI)	62.969/2.4791 62.992/2.4800	67.998/2.6771 68.020/2.6779	2.502/0.0985	.020/.0008 .064/.0025	22.30/0.878	F810	1	7263A U/L	
	71.100/2.7992 71.350/2.8090	93.550/3.6831 93.800/3.6929			1.95/0.077			7263T	
Small End - not bored, single pieces.									
	21.011/0.8272 21.013/0.8273	24.030/0.9461 24.038/0.9464			21.46/0.845	F100	1	RB4114	**RB4114** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 25
171 (2.8)	**S**	**V6**	**3.66 x 2.71**	**Connecting Rod 21-25 ft.lbs/29-34 Nm**
171 (2.8)	**Z**	**V6**	**3.66 x 2.71**	**Main Bearing 65-75 ft.lbs/88-102 Nm**

Rod									
	53.980/2.1252 54.000/2.1260	56.820/2.2370 56.840/2.2378	1.410/0.0555	.012/.0005 .078/.0030	16.48/0.649	F780	12	1656 IH	**6B723P** Std. 10 20 30 40
Rod - .002" oversize OD version of 6B723P.									
	53.980/2.1252 54.000/2.1260	56.869/2.2390 56.891/2.2400	1.559/0.0614 (@ .010" u/s)	.005/.0002 .073/.0029	16.48/0.649	F780	12	9060 IH	**6B723PO/S2** 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
25 (Cont'd.)									
	Main - 171 engines 5/1/74 to 79 only. All straight main bearings.								
4M1346P Std. 10 20 30 40	1,2,3,4	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .070/.0028	21.59/0.850	F780	8	1657 IH
	Main - optional set to 4M860P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
4M2351P 10 20 30 40	1,2,4	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	21.59/0.850	F780	6	1657 IH
	3 (FI)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	26.54/1.045	F780	2	1655 IH
	to be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M2351P**		
	Overall Width (Nominal)	**Increase in Width**
.010" u/s shaft	1.045"	+0.010"
.020" u/s shaft	1.045"	+0.010"
.030" u/s shaft	1.045"	+0.010"
.040" u/s shaft	1.045"	+0.010"

	Main - optional set to 4M860P with +0.020" overflange length increase for undersizes. *See below for dimensional information.								
4M2352P 20 30	1,2,4	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	21.59/0.850	F780	6	1657 IH
	3 (FI)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	26.80/1.055	F780	2	1659 IH
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M2352P**		
	Overall Width (Nominal)	**Increase in Width**
.020" u/s shaft	1.055"	+0.020"
.030" u/s shaft	1.055"	+0.020"

	Main - 171 engines from 1974 to 5/1/74 and 1983-86. All engines with flanged main bearings.								
4M860P Std. 10 20 30 40	1,2,4	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	21.59/0.850	F780	6	1657 IH
	3 (FI)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	26.29/1.035	F780	2	1658 IH
	Overflange length remains constant for standard and undersizes.								
	Thrust								
2T325S Std.	3	63.855/2.5140 (Nominal)	80.493/3.1690 (Nominal)			2.35/0.093	F250	2	2167T U
	Note: Thrust set includes four pieces, use on No. 3 position. Required with 4M1346P main set.								
	Cam - 1983-86 engines only. (Position #2 & #3 cams have OD groove with one oil hole)								
4C1002BS Std.	1	43.905/1.7285 43.920/1.7292	47.025/1.8514 47.060/1.8528	1.530/0.0603		19.95/0.785	F23	1	F-47-1
	2	43.525/1.7135 43.540/1.7142	46.645/1.8364 46.680/1.8378	1.530/0.0603		17.90/0.705	F23	1	F-47-2B
	3	43.140/1.6985 43.160/1.6992	46.265/1.8215 46.300/1.8228	1.530/0.0603		17.90/0.705	F23	1	F-47-3B
	4	42.765/1.6835 42.780/1.6842	45.885/1.8065 45.920/1.8079	1.530/0.0603		15.25/0.600	F23	1	F-47-4
	Cam - 1974-79 engines only.								
4C654S Std.	1	41.897/1.6495 41.923/1.6505	45.030/1.7728 45.060/1.7740	1.530/0.0604		19.80/0.780	F23	1	F-31-1
	2	41.516/1.6345 41.542/1.6355	44.653/1.7580 44.679/1.7590	1.530/0.0604		17.91/0.705	F23	1	F-31-2
	3	41.135/1.6195 41.160/1.6205	44.272/1.7430 44.298/1.7440	1.530/0.0604		17.91/0.705	F23	1	F-31-3
	4	40.755/1.6045 40.780/1.6055	43.890/1.7280 43.917/1.7290	1.530/0.0604		15.25/0.600	F23	1	F-31-4

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**26**
177 (2.9)		**T**	**V6**	**3.66 x 2.83**	**Connecting Rod 21-25 ft.lbs/29-34 Nm Main Bearing 65-75 ft.lbs/88-102 Nm**				
Rod									
	53.980/2.1252 54.000/2.1260	56.820/2.2370 56.840/2.2378	1.410/0.0555	.012/.0005 .078/.0030	16.48/0.649	F780	12	1656 IH	**6B723P** Std. 10 20 30 40
Rod - .002" oversize OD version of 6B723P.									
	53.980/2.1252 54.000/2.1260	56.869/2.2390 56.891/2.2400	1.559/0.0614 (@ .010" u/s)	.005/.0002 .073/.0029	16.48/0.649	F780	12	9060 IH	**6B723PO/S2** 10 20 30 40
Main - 1990-92 truck engines.									
1,2,4 Upper	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	21.59/0.850	F780	3	1657 U	**4M2006P** Std. 10 20 30
1,2,4 Lower	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	21.59/0.850	F780	3	1663 L	
3 (FI)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	26.29/1.035	F780	2	1658 IH	
Main - optional set to 4M860P with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,2,4	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	21.59/0.850	F780	6	1657 IH	**4M2351P** 10 20 30 40
3 (FI)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	26.54/1.045	F780	2	1655 IH	

to be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M2351P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.045"	+0.010"
.020" u/s shaft	1.045"	+0.010"
.030" u/s shaft	1.045"	+0.010"
.040" u/s shaft	1.045"	+0.010"

Main - optional set to 4M860P with +0.020" overflange length increase for undersizes. *See below for dimensional information.									
1,2,4	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	21.59/0.850	F780	6	1657 IH	**4M2352P** 20 30
3 (FI)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	26.80/1.055	F780	2	1659 IH	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 4M2352P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.055"	+0.020"
.030" u/s shaft	1.055"	+0.020"

Main - 1987-90 car engines and 1986-89 truck engines. Flanged bearing thrust.									
1,2,4	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	21.59/0.850	F780	6	1657 IH	**4M860P** Std. 10 20 30 40
3 (FI)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	26.29/1.035	F780	2	1658 IH	

Overflange length remains constant for standard and undersizes.

Cam - Special Oil Control Cam Set - Position #2 & #3 cams have OD groove with one oil hole.									
1	43.905/1.7285 43.920/1.7292	47.025/1.8514 47.060/1.8528	1.530/0.0603		19.95/0.785	F23	1	F-47-1	**4C1002BS** Std.
2	43.525/1.7135 43.540/1.7142	46.645/1.8364 46.680/1.8378	1.530/0.0603		17.90/0.705	F23	1	F-47-2B	
3	43.140/1.6985 43.160/1.6992	46.265/1.8215 46.300/1.8228	1.530/0.0603		17.90/0.705	F23	1	F-47-3B	
4	42.765/1.6835 42.780/1.6842	45.885/1.8065 45.920/1.8079	1.530/0.0603		15.25/0.600	F23	1	F-47-4	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
27 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
182 (3.0) OHV (Vulcan)			**1 V6**	**3.50 x 3.15**		**Connecting Rod 23-29 ft.lbs/31-39 Nm**			
182 (3.0) OHV (Vulcan)			**U V6**	**3.50 x 3.15**		**Main Bearing 63-69 ft.lbs/85-93 Nm**			
182 (3.0) OHV (Vulcan)			**V V6**	**3.50 x 3.15**					
	Rod								
6B1385P Std. .25 .50 .75 1.0		53.983/2.1253 54.003/2.1261	57.150/2.2500 57.170/2.2508	1.567/0.0617	.013/.0005 .079/.0031	19.25/0.758	F780	12	5230 IH
	Main								
4M1702P Std. .25 .50 .75	1,2	63.983/2.5190 64.003/2.5198	68.885/2.7120 68.905/2.7128	2.443/0.0962	.025/.0010 .058/.0023	18.69/0.736	F780	4	5232 U/L
	3 (FI)	63.983/2.5190 64.003/2.5198	68.885/2.7120 68.903/2.7127	2.435/0.0959	.013/.0005 .076/.0030	25.65/1.010	F780	2	5233 U/L
	4	63.983/2.5190 64.003/2.5198	68.885/2.7120 68.903/2.7127	2.435/0.0959	.025/.0010 .076/.0030	27.00/1.063	F780	2	5234 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 4M1702P with +0.004" overflange length increase for undersizes. *See below for dimensional information.								
4M5219P .25 .50 .75	1,2	63.983/2.5190 64.003/2.5198	68.885/2.7120 68.905/2.7128	2.443/0.0962	.025/.0010 .058/.0023	18.69/0.736	F780	4	5232 U/L
	3 (FI)	63.983/2.5190 64.003/2.5198	68.885/2.7120 68.903/2.7127	2.435/0.0959	.013/.0005 .076/.0030	25.75/1.014	F780	2	5219 U/L
	4	63.983/2.5190 64.003/2.5198	68.885/2.7120 68.903/2.7127	2.435/0.0959	.025/.0010 .076/.0030	27.00/1.063	F780	2	5234 U/L
	to be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M5219P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.014"	+0.004"
0.50 mm u/s shaft	1.014"	+0.004"
0.75 mm u/s shaft	1.014"	+0.004"

	Cam - has modified #4 position bearing.								
4C048AS Std.	1	51.000/2.0079 51.020/2.0087	54.676/2.1526 54.727/2.1546	1.830/0.0720		24.38/0.960	F23	1	F-48-1
	2,3	51.000/2.0079 51.020/2.0087	54.176/2.1329 54.226/2.1349	1.570/0.0618		13.77/0.542	F23	2	F-48-2
	4	51.000/2.0079 51.020/2.0087	54.676/2.1526 54.727/2.1546	1.830/0.0720		13.77/0.542	F23	1	F-48-4A
	Cam - use 4C048AS when stock depleted.								
4C048S S/C by 4C048AS	1	51.000/2.0079 51.020/2.0086	54.676/2.1526 54.727/2.1546	1.830/0.0719		24.38/0.960	F23	1	F-48-1
	2,3	51.000/2.0079 51.020/2.0086	54.176/2.1329 54.226/2.1349	1.570/0.0620		13.77/0.542	F23	2	F-48-2
	4	51.000/2.0079 51.020/2.0086	54.676/2.1526 54.727/2.1546	1.830/0.0719		13.77/0.542	F23	1	F-48-4
28 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
182 (3.0) SHO (DOHC)			**Y V6**	**89mm x 80mm**		**Connecting Rod 22-26 ft.lbs** Step 1			
195 (3.2) SHO (DOHC)			**P V6**	**91mm x 80mm**		**Connecting Rod 33-36 ft.lbs** Step 2			
						Main Bearing 36-51 ft.lbs Step 1			
						Main Bearing 58-64 ft.lbs Step 2			
	Rod - To be discontinued when stock exhausted.								
6B1435P Std. .25 .50 .75		52.037/2.0463 52.060/2.0472	55.000/2.1653 55.016/2.1660	1.494/0.0588	.023/.0009 .056/.0022	18.08/0.711	F780	12	CB1435P IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**29**
200 (3.3) 7 Main			**L6**	**3.68 x 3.13**	**Connecting Rod 19-24 ft.lbs/26-32 Nm**				
200 (3.3) 7 Main		**B**	**L6**	**3.68 x 3.13**	**Main Bearing 60-70 ft.lbs/81-95 Nm**				
200 (3.3) 7 Main		**T**	**L6**	**3.68 x 3.13**					
200 (3.3) 7 Main		**X**	**L6**	**3.68 x 3.13**					
Rod									
	53.934/2.1234 53.945/2.1238	56.871/2.2390 56.891/2.2398	1.458/0.0574	.010/.0004 .067/.0026	20.57/0.810	F780	12	2150 IH	**6B583P** Std. 10 20 30 40
Main - half groove for 5/75-83 engines only.									
1-4,6,7	57.109/2.2484 57.119/2.2488	60.991/2.4012 61.011/2.4020	1.928/0.0759	.020/.0008 .057/.0022	25.90/1.020	F780	6	2126 U	**7M1389P** Std. 10 20 30 40
1-4,6,7	57.109/2.2484 57.119/2.2488	60.991/2.4012 61.011/2.4020	1.928/0.0759	.020/.0008 .057/.0022	25.90/1.020	F780	6	5224 L	
5 (FI)	57.104/2.2482 57.124/2.2490	60.991/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .077/.0030	32.28/1.271	F780	1	2127 U	
5 (FI)	57.104/2.2482 57.125/2.2490	60.991/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .077/.0030	32.28/1.271	F780	1	2125 L	
Overflange length remains constant for standard and undersizes.									
Main - full groove for 65-5/75 engines only.									
1-4,6,7	57.109/2.2484 57.119/2.2488	60.995/2.4014 61.006/2.4018	1.928/0.0759	.020/.0008 .057/.0022	25.90/1.020	F780	12	2126 IH	**7M771P** Std. 10 20 30 40
5 (FI)	57.109/2.2484 57.119/2.2488	60.995/2.4014 61.006/2.4018	1.928/0.0759	.020/.0008 .057/.0022	32.28/1.271	F780	2	2127 IH	
Overflange length remains constant for standard and undersizes.									
Cam									
1	45.960/1.8095 45.985/1.8105	50.241/1.9780 50.267/1.9790	2.110/0.0832		18.42/0.725	F23	1	F-32-1	**4C703S** Std.
2	45.960/1.8095 45.985/1.8105	49.860/1.9630 49.886/1.9640	1.920/0.0757		18.42/0.725	F23	1	F-17-2	
3	45.960/1.8095 45.985/1.8105	49.479/1.9480 49.505/1.9490	1.730/0.0682		18.42/0.725	F23	1	F-17-3	
4	45.960/1.8095 45.985/1.8105	49.098/1.9330 49.124/1.9340	1.540/0.0607		18.42/0.725	F23	1	F-17-4	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**30**
221 (3.6)			**V8**	**3.50 x 2.87**	**Connecting Rod 19-24 ft.lbs/26-32 Nm**				
255 (4.2)		**D**	**V8**	**3.68 x 3.00**	**Main Bearing 60-70 ft.lbs/81-95 Nm**				
260 (4.3)			**V8**	**3.80 x 2.87**					
289 (4.7)			**V8**	**4.00 x 2.87**					
289 (4.7)		**C**	**V8**	**4.00 x 2.87**					
289 (4.7)		**N**	**V8**	**4.00 x 2.87**					
302 (5.0)		**D**	**V8**	**4.00 x 3.00**					
302 (5.0)		**E**	**V8**	**4.00 x 3.00**					
302 (5.0)		**F**	**V8**	**4.00 x 3.00**					
302 (5.0)		**G**	**V8**	**4.00 x 3.00**					
302 (5.0)		**J**	**V8**	**4.00 x 3.00**					
302 (5.0)		**M**	**V8**	**4.00 x 3.00**					
302 (5.0)		**N**	**V8**	**4.00 x 3.00**					
302 (5.0)		**P**	**V8**	**4.00 x 3.00**					
302 (5.0)		**T**	**V8**	**4.00 x 3.00**					
Rod									
	53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.458/0.0574	.016/.0006 .081/.0032	18.44/0.726	F810	16	2131A	**8B634A** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 8B634A.									
	53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.610/0.0634 (@ .010" u/s)	.016/.0006 .081/.0032	18.44/0.726	F810	16	9030A IH	**8B634AO/S2** 10 20 30 40
Rod									
	53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.458/0.0574	.016/.0006 .081/.0032	18.44/0.726	F780	16	2131 IH	**8B634P** Std. 01 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
30 (Cont'd.)									
	Rod - .002" oversize OD version of 8B634P.								
8B634PO/S2 10 20 30 40		53.919/2.1228 53.939/2.1236	56.922/2.2410 56.942/2.2418	1.610/0.0634 (@ .010" u/s)	.017/.0007 .083/.0033	18.44/0.726	F780	16	9030 IH
	Rod - for 289 engines W/4V from 1963-64, 289 K engines from 1963-68 & 302 Boss & Eliminator engines 1969-71.								
8B676P Std. 10 20 30		53.919/2.1228 53.939/2.1236	56.870/2.2390 56.890/2.2398	1.455/0.0573	.033/.0013 .099/.0039	18.44/0.726	F780	16	CB676P
	Main - optional set to 5M590P with +0.020" overflange length increase for undersizes. *See below for dimensional information.								
5M1666P 10 20 30 40	1,2,3,4	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	22.48/0.885	F780	8	2132 U/L
	3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	29.28/1.153	F780	2	2145 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M1666P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.153"	+0.020"
.020" u/s shaft	1.153"	+0.020"
.030" u/s shaft	1.153"	+0.020"
.040" u/s shaft	1.153"	+.0.020"

	Main - optional set to 5M590P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
5M1746P 10 20 30 40	1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	22.48/0.885	F780	8	2132 U/L
	3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	29.03/1.143	F780	2	2139 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M1746P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

	Main - optional set to 5M590P with +0.004" overflange length increase for undersizes. *See below for dimensional information.								
5M2144P 10 20 30	1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.563/0.1009 (@ .010" u/s)	.005/.0002 .073/.0029	22.48/0.885	F780	8	2132 U/L
	3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.563/0.1009 (@ .010" u/s)	.005/.0002 .073/.0029	28.88/1.137	F780	2	2144 U/L
	to be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 5M2144P**

	Overall Width (Nominal)	Increase in Width
+.010" u/s shaft	1.137"	+0.004"
+.020" u/s shaft	1.137"	+0.004"
+.030" u/s shaft	1.137"	+0.004"

	Main - High Strength Aluminum Silicon material.								
5M590A Std. 01 10 20 30 40	1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	22.48/0.885	F810	8	2132A U/L
	3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	28.78/1.133	F810	2	2133A U/L
	Overflange length remains constant for standard and undersizes.								
	Main - half groove.								
5M590P Std. 01 10 20 30 40	1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	22.48/0.885	F780	8	2132 U/L
	3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	28.78/1.133	F780	2	2133 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 30
Cam - Performance Set - Heavy duty Al/Tin material.									
1	52.845/2.0805 52.870/2.0815	55.984/2.2041 56.010/2.2051	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5610C	**5C1321S** Std.
2	52.464/2.0655 52.489/2.0665	55.601/2.1890 55.626/2.1900	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5616C	
3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5617C	
4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5618C	
5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5619C	
Cam - for engines with all constant housing bores at 2.2041"-2.2051" (SVO engines).									
1-5	52.845/2.0805 52.870/2.0815	55.984/2.2041 56.010/2.2051	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	5	5610C	**5C1763S** Std.
Cam									
1	52.845/2.0805 52.870/2.0815	55.982/2.2040 56.007/2.2050	1.530/0.0602		16.89/0.665	F23	1	F-18-1	**5C510S** Std.
2	52.464/2.0655 52.490/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2	
3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3	
4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4	
5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 31
232 (3.8) OHV	**3**	**V6**	**97mm x 86mm**	**Connecting Rod 31-36 ft.lbs/42-48 Nm**
232 (3.8) OHV	**4**	**V6**	**97mm x 86mm**	**Main Bearing 65-81 ft.lbs/88-110 Nm**
232 (3.8) OHV	**C**	**V6**	**97mm x 86mm**	
232 (3.8) OHV Supercharged	**R**	**V6**	**97mm x 86mm**	

Rod - for engines 1982-1995 only.									
	58.674/2.3100 58.699/2.3110	61.636/2.4266 61.656/2.4274	1.462/0.0576	.013/.0005 .084/.0033	17.06/0.672	F780	12	5200 IH	**6B1283P** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 6B1283P.									
	58.674/2.3100 58.699/2.3110	61.687/2.4286 61.707/2.4294	1.614/0.0635 (@ 0.25 mm u/s)	.014/.0006 .085/.0033	17.06/0.672	F780	12	9055 IH	**6B1283PO/S2** .25 .50 .75
Rod - for engines 1996 on - High Strength Aluminum Silicon material.									
	58.682/2.3103 58.702/2.3111	61.630/2.4264 61.648/2.4271	1.460/0.0575	.013/.0005 .065/.0026	19.90/0.783	F810	12	4500A IH	**6B4500A** Std. .25 .50 .75
Rod - .002" oversize OD version of 6B4500A.									
	58.682/2.3103 58.702/2.3111	61.630/2.4264 61.648/2.4271	1.587/0.0625 (@ .25 mm u/s)	.013/.0005 .065/.0026	19.90/0.783	F810	12	9081A IH	**6B4500AO/S2** .25 .50 .75
Main - for engines 1982-1988 only.									
1,3,4	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	21.66/0.853	F780	6	5202 U/L	**4M1561P** Std. .25 .50 .75 1.0
2 (FI)	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	29.62/1.166	F780	2	5203 U/L	
To be superceded by 4M7295A when stock exhausted.									
Main - Supercharged engines 1989-95 only.									
1,2	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	21.79/0.858	F810	2	7294A L	**4M1782A** Std. .25 .50 .75
1,2	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	23.50/0.925	F810	2	7294WA U	
3 (FI)	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.438/0.0960	.013/.0005 .058/.0023	29.62/1.166	F810	2	7295A U/L	
4	63.744/2.5096 63.764/2.5104	68.890/2.7122 68.910/2.7130	2.548/0.1003	.025/.0010 .071/.0028	21.79/0.858	F810	2	5229A U/L	
Overflange length remains constant for standard and undersizes.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
31 (Cont'd.)									
	Main - Supercharged engines 1989-95 only. To be superceded by 4M1782A when stock exhausted.								
4M1782P Std. .25 .50 .75 1.0	1,2	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	21.79/0.858	F780	4	5238 U/L
	3 (FI)	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	29.62/1.166	F780	2	5239 U/L
	4	63.744/2.5096 63.764/2.5104	68.890/2.7122 68.910/2.7130	2.548/0.1003	.025/.0010 .071/.0028	21.79/0.858	F780	2	5229 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Normally aspirated engines 1989-98 only.								
4M1812P Std. .25 .50 .75 1.0	1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	21.79/0.858	F780	6	5238 U/L
	3 (FI)	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	29.62/1.166	F780	2	5239 U/L
	To be superceded by 4M7295A when stock exhausted.								
	Main - engines 1982-88 - Optional set to 4M1561P with +0.004" overflange length increase. *See dimensional infromation below.								
4M5205P .25 .50 .75	1,3,4	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	21.66/0.853	F780	6	5202 U/L
	3 (FI)	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	29.72/1.170	F780	2	5205 U/L
	to be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M5205P**		
	Overall Width (Nominal)	**Increase in Width**
0.25 mm u/s shaft	1.170"	+0.004"
0.50 mm u/s shaft	1.170"	+0.004"
0.75 mm u/s shaft	1.170"	+0.004"

	Main - engines 1982-88 - Optional set to 4M1561P with +0.010" overflange length increase. *See dimensional infromation below.								
4M5208P .25 .50 .75	1,3,4	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	21.66/0.853	F780	6	5202 U/L
	3 (FI)	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .058/.0023	29.87/1.176	F780	2	5208 U/L
	to be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M5208P**		
	Overall Width (Nominal)	**Increase in Width**
0.25 mm u/s shaft	1.176"	+0.010"
0.50 mm u/s shaft	1.176"	+0.010"
0.75 mm u/s shaft	1.176"	+0.010"

	Main - for engines 1982 on (excl. supercharged) - High Strength Aluminum Silicon material.								
4M7295A Std. .25 .50 .75	1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	23.50/0.925	F810	3	7294WA U
	1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	21.79/0.858	F810	3	7294A L
	3 (FI)	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.438/0.0960	.013/.0005 .058/.0023	29.62/1.166	F810	2	7295A U/L
	Cam - 1982-87 engines.								
4C1197S Std.	1,4	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.690/2.1925	1.763/0.0694		16.26/0.640	F23	2	F-45-1
	2,3	52.083/2.0505 52.108/2.0515	55.283/2.1765 55.308/2.1775	1.570/0.0619		14.22/0.560	F23	2	F-45-2
	Cam - 1988-04 engines.								
4C1447S Std.	1,4	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.687/2.1924	1.763/0.0694	.025/.0010 .076/.0030	16.26/0.640	F23	2	F-52-1
	2,3	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.687/2.1924	1.570/0.0619	.025/.0010 .076/.0030	14.22/0.560	F23	2	F-51-2
	Balance Shaft - 1988-04 engines.								
2BS1445S Std.	Front & Rear	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.690/2.1925	1.763/0.0694	.076/.0030	16.26/0.640	F23	2	AGB-51-1

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**32**
240 (3.9)			**L6**	**4.00 x 3.18**	**Connecting Rod 40-45 ft.lbs./54-61 Nm**				
240 (3.9)		**A**	**L6**	**4.00 x 3.18**	**Main Bearing 60-70 ft.lbs./81-95 Nm**				
240 (3.9)		**B**	**L6**	**4.00 x 3.18**					
240 (3.9)		**E**	**L6**	**4.00 x 3.18**					
240 (3.9)		**V**	**L6**	**4.00 x 3.18**					
300 (4.9)		**9**	**L6**	**4.00 x 3.98**					
300 (4.9)		**B**	**L6**	**4.00 x 3.98**					
300 (4.9)		**E**	**L6**	**4.00 x 3.98**					
300 (4.9)		**K**	**L6**	**4.00 x 3.98**					
300 (4.9)		**Y**	**L6**	**4.00 x 3.98**					
Rod									
	53.919/2.1228 53.939/2.1236	57.785/2.2750 57.805/2.2758	1.923/0.0757	.010/.0004 .066/.0026	20.32/0.800	F780	12	2180 IH	**6B699P** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 6B699P.									
	53.919/2.1228 53.939/2.1236	57.836/2.2770 57.856/2.2778	2.075/0.0817 (@ .010" u/s)	.010/.0004 .067/.0026	20.32/0.800	F780	12	9050 IH	**6B699PO/S2** 10 20 30 40
Main - Alt set to 7M979P with +0.010" overflange length increase for undersizes. * See below for dimensional information.									
1-4,6,7	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.025/.0010 .066/.0026	24.13/0.950	F780	12	2185 U/L	**7M2193P** 10 20 30 40
5 (FI)	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.025/.0010 .066/.0026	30.61/1.205	F780	2	2193 U/L	
to be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 7M2193P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.205"	+0.010"
.020" u/s shaft	1.205"	+0.010"
.030" u/s shaft	1.205"	+0.010"
.040" u/s shaft	1.205"	+0.010"

Main - engines 1966-96 with 3.60" flange O.D.									
1-4,6,7	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.025/.0010 .066/.0026	24.13/0.950	F780	12	2185 U/L	**7M979P** Std. 01 10 20 30 40
5 (FI)	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.025/.0010 .066/.0026	30.35/1.195	F780	2	2187 U/L	
Overflange length remains constant for standard and undersizes.									
Cam - for engines from 6/85 - 96. (360 degree OD groove)									
1,4	51.232/2.0170 51.257/2.0180	54.839/2.1590 54.864/2.1600	1.770/0.0695		22.00/0.866	F23	2	F-49-1B	**4C1254BS** Std.
2, 3	51.232/2.0170 51.257/2.0180	54.458/2.1440 54.483/2.1450	1.580/0.0624		21.97/0.865	F23	2	F-23-1B	
Cam - for engines from 6/85 - 96.									
1,4	51.232/2.0170 51.257/2.0180	54.839/2.1590 54.864/2.1600	1.770/0.0695		22.00/0.866	F23	2	F-49-1	**4C1254S** Std.
2,3	51.232/2.0170 51.257/2.0180	54.458/2.1440 54.483/2.1450	1.570/0.0618		22.02/0.867	F23	2	F-49-2	
Cam - Alternate set to 4C567S with O.D. groove.									
1,2,3,4	51.232/2.0170 51.257/2.0180	54.458/2.1440 54.483/2.1450	1.580/0.0624		21.97/0.865	F23	4	F-23-1B	**4C567BS** Std.
Cam - for engines from 1965-5/85.									
1,2,3,4	51.232/2.0170 51.257/2.0180	54.458/2.1440 54.483/2.1450	1.580/0.0624		21.97/0.865	F23	4	F-23-1A	**4C567S** Std.
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**33**
245 (4.0) OHV		**X**	**V6**	**3.95 x 3.32**	**Connecting Rod 18-24 ft.lbs/25-32 Nm** **Main Bearing 66-77 ft.lbs/89-104 Nm**				
Rod									
	53.980/2.1252 54.000/2.1260	56.820/2.2370 56.840/2.2378	1.410/0.0555	.012/.0005 .078/.0030	16.48/0.649	F780	12	1656 IH	**6B723P** Std. 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
33 (Cont'd.)									
	Rod - .002" oversize OD version of 6B723P.								
6B723PO/S2 10 20 30 40		53.980/2.1252 54.000/2.1260	56.869/2.2390 56.891/2.2400	1.559/0.0614 (@ .010" u/s)	.005/.0002 .073/.0029	16.48/0.649	F780	12	9060 IH
	Main								
4M2006P Std. 10 20 30	1,2,4 Upper	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	21.59/0.850	F780	3	1657 U
	1,2,4 Lower	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	21.59/0.850	F780	3	1663 L
	3 (Fl)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	26.29/1.035	F780	2	1658 IH
	Cam - Alternate set to 4C1441S with 0.830" wide #4 cam.								
4C1441AS Std.	1	49.555/1.9510 49.581/1.9520	52.756/2.0770 52.807/2.0790	1.570/0.0619		19.80/0.780	F23	1	F-50-1
	2	49.200/1.9370 49.225/1.9380	52.375/2.0620 52.426/2.0640	1.560/0.0614		17.90/0.705	F23	1	F-50-2
	3	48.819/1.9220 48.844/1.9230	51.994/2.0470 52.045/2.0490	1.560/0.0614		17.90/0.705	F23	1	F-50-3
	4	48.438/1.9070 48.463/1.9080	51.615/2.0321 51.666/2.0341	1.560/0.0614		21.12/0.830	F23	1	F-50-4A
	Cam								
4C1441S Std.	1	49.555/1.9510 49.581/1.9520	52.756/2.0770 52.807/2.0790	1.570/0.0619		19.80/0.780	F23	1	F-50-1
	2	49.200/1.9370 49.225/1.9380	52.375/2.0620 52.426/2.0640	1.560/0.0614		17.90/0.705	F23	1	F-50-2
	3	48.819/1.9220 48.844/1.9230	51.994/2.0470 52.045/2.0490	1.560/0.0614		17.90/0.705	F23	1	F-50-3
	4	48.438/1.9070 48.463/1.9080	51.615/2.0321 51.666/2.0341	1.560/0.0614		15.10/0.595	F23	1	F-50-4

34 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
245 (4.0) SOHC	**E**	**V6**	**3.95 x 3.32**	**Connecting Rod 18-24 ft.lbs/25-32 Nm**
245 (4.0) SOHC	**K**	**V6**	**3.95 x 3.32**	**Main Bearing 66-77 ft.lbs/89-104 Nm**

	Rod								
6B723P Std. 10 20 30 40		53.980/2.1252 54.000/2.1260	56.820/2.2370 56.840/2.2378	1.410/0.0555	.012/.0005 .078/.0030	16.48/0.649	F780	12	1656 IH
	Rod - .002" oversize OD version of 6B723P.								
6B723PO/S2 10 20 30 40		53.980/2.1252 54.000/2.1260	56.869/2.2390 56.891/2.2400	1.559/0.0614 (@ .010" u/s)	.005/.0002 .073/.0029	16.48/0.649	F780	12	9060 IH
	Main								
4M2006P Std. 10 20 30	1,2,4 Upper	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	21.59/0.850	F780	3	1657 U
	1,2,4 Lower	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	21.59/0.850	F780	3	1663 L
	3 (Fl)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	26.29/1.035	F780	2	1658 IH
	AR Auxiliary								
2C6002S Std.	Front		47.046/1.8522	1.549/0.0610		29.00/1.142	F23	1	FG-53-1
	Rear		45.903/1.8072	1.549/0.0610		22.98/0.905	F23	1	FG-53-2

35 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
250 (4.1)	**C**	**L6**	**3.68 x 3.91**	**Connecting Rod 21-26 ft.lbs/28-35 Nm**
250 (4.1)	**L**	**L6**	**3.68 x 3.91**	**Main Bearing 60-70 ft.lbs./81-95 Nm**

	Rod								
6B583P Std. 10 20 30 40		53.934/2.1234 53.945/2.1238	56.871/2.2390 56.891/2.2398	1.458/0.0574	.010/.0004 .067/.0026	20.57/0.810	F780	12	2150 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 35
Main - Alt set to 7M979P with +0.010" overflange length increase for undersizes. * See below for dimensional information.									
1-4,6,7	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.025/.0010 .066/.0026	24.13/0.950	F780	12	2185 U/L	**7M2193P** 10 20 30 40
5 (FI)	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.025/.0010 .066/.0026	30.61/1.205	F780	2	2193 U/L	
to be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 7M2193P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.205"	+0.010"
.020" u/s shaft	1.205"	+0.010"
.030" u/s shaft	1.205"	+0.010"
.040" u/s shaft	1.205"	+0.010"

Main									
1-4,6,7	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.025/.0010 .066/.0026	24.13/0.950	F780	12	2185 U/L	**7M979P** Std. 01 10 20 30 40
5 (FI)	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.025/.0010 .066/.0026	30.35/1.195	F780	2	2187 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	45.960/1.8095 45.985/1.8105	50.241/1.9780 50.267/1.9790	2.110/0.0832		18.42/0.725	F23	1	F-32-1	**4C703S** Std.
2	45.960/1.8095 45.985/1.8105	49.860/1.9630 49.886/1.9640	1.920/0.0757		18.42/0.725	F23	1	F-17-2	
3	45.960/1.8095 45.985/1.8105	49.479/1.9480 49.505/1.9490	1.730/0.0682		18.42/0.725	F23	1	F-17-3	
4	45.960/1.8095 45.985/1.8105	49.098/1.9330 49.124/1.9340	1.540/0.0607		18.42/0.725	F23	1	F-17-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 36
256 (4.2) OHV	**2**	**V6**	**3.81 x 3.74**	**Connecting Rod 15-18 ft.lbs/20-24 Nm** Step 1 **Connecting Rod 29-33 ft.lbs/39-45 Nm** Step 2 **Connecting Rod 90-120 degree turn** Step 3 **Main Bearing 37 ft.lbs + 120 deg** Vans **Main Bearing 65-81 ft.lbs** Trucks

Rod - High Strength Aluminum Silicon material.									
	58.682/2.3103 58.702/2.3111	61.630/2.4264 61.648/2.4271	1.460/0.0575	.013/.0005 .065/.0026	19.90/0.783	F810	12	4500A IH	**6B4500A** Std. .25 .50 .75
Rod - .002" oversize OD version of 6B4500A.									
	58.682/2.3103 58.702/2.3111	61.630/2.4264 61.648/2.4271	1.587/0.0625 (@ .25 mm u/s)	.013/.0005 .065/.0026	19.90/0.783	F810	12	9081A IH	**6B4500AO/S2** .25 .50 .75
Main - High Strength Aluminum Silicon material.									
1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	23.50/0.925	F810	3	7294WA U	**4M7295A** Std. .25 .50 .75
1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	21.79/0.858	F810	3	7294A L	
3 (FI)	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.438/0.0960	.013/.0005 .058/.0023	29.62/1.166	F810	2	7295A U/L	
Cam									
1,4	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.687/2.1924	1.763/0.0694	.025/.0010 .076/.0030	16.26/0.640	F23	2	F-52-1	**4C1447S** Std.
2,3	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.687/2.1924	1.570/0.0619	.025/.0010 .076/.0030	14.22/0.560	F23	2	F-51-2	
Balance Shaft									
Front & Rear	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.690/2.1925	1.763/0.0694	.076/.0030	16.26/0.640	F23	2	AGB-51-1	**2BS1445S** Std.

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
37 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
281 (4.6) SOHC			**6 V8**	**90.2mm x 90mm**		**Connecting Rod 23 ft.lbs/31 Nm + 90 deg**			
281 (4.6) SOHC			**9 V8**	**90.2mm x 90mm**		**Main Bearing 24 ft.lbs/33 Nm + 90 deg**			
281 (4.6) SOHC			**W V8**	**90.2mm x 90mm**					
281 (4.6) SOHC			**X V8**	**90.2mm x 90mm**					
	Rod								
8B1442A Std. .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F810	16	5636A IH
	Rod - .002" oversize OD version of 8B1442A.								
8B1442AO/S2 .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F810	16	9080A IH
	Rod								
8B1442P Std. .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F780	16	5636 IH
	to be superceded by 8B1442A when stock exhausted.								
	Rod - .002" oversize OD version of 8B1442P.								
8B1442PO/S2 .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F780	16	9080 IH
	to be superceded by 8B1442AO/S2 when stock exhausted.								
	Main - for 1993-04 cast iron engines (VIN W).								
5M2007P Std. .25 .50 .75 1.0	1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	18.25/0.719	F780	4	5638 L
	1-5	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	19.12/0.753	F780	5	5638W U
	5 (FI)	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	22.61/0.890	F780	1	5639 L
	5 (TW)	76.000/2.9921 76.250/3.0020 (I.D.)	91.500/3.6024 91.750/3.6122 (O.D.)			2.36/0.093	F817	1	5639T U
	Set includes one thrustwasher and one lower flanged thrust bearing. Use on No. 5 position.								
	Main - alternate set to 5M7141P with +0.010" overflange length increase. * See below for dimensional information.								
5M5649P 1.0	1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.568/0.1011 (@ 0.25 mm u/s)	.014/.0006 .077/.0030	18.25/0.719	F780	4	5638 L
	1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.568/0.1011 (@ 0.25 mm u/s)	.014/.0006 .077/.0030	19.12/0.753	F780	4	5638W U
	5 (FI)	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.568/0.1011 (@ 0.25 mm u/s)	.014/.0006 .077/.0030	22.86/0.900	F780	2	5649 U/L
	to be discontinued when stock is exhausted.								

*** DIMENSIONAL INFORMATION FOR 5M5649P**

	Overall Width (Nominal)	Increase in Width
1.00mm u/s shaft	0.900"	+ 0.010"

	Main - for 1991-92 engines. (Upper flange bearing has no tang)								
5M7141P Std. .25 .50 .75 1.0	1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	18.25/0.719	F780	4	5638 L
	1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	19.12/0.753	F780	4	5638W U
	5 (FI)	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	22.61/0.890	F780	2	5639 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 37
Main - for 1996-04 engines (VIN 6,X).									
1	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	19.26/0.758	F810	1	7293A U	**5M7296A** Std. .25 .50 .75 1.0
2,3,4,5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F810	4	7296A U	
1-5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F810	5	7296A L	
5	76.750/3.0216 (ID) 77.000/3.0315	96.750/3.8090 (OD) 97.000/3.8189			2.92/0.115	F810	3	7296T U/L	
Set includes three thrustwashers. Use on No. 5 position.									
Cam Tower - repair insets.									
1-6	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.013/.0005 .038/.0015	14.70/0.579	F810	6	5194A L	**6C1100A** Std. .25
1-6	26.937/1.0605 26.962/1.0615	29.190/1.1492 29.144/1.1474	1.083/0.0426	.013/.0005 .038/.0015	14.70/0.579	F810	6	5195A U	
Small End - not bored, single pieces.									
	21.994/0.8659 21.999/0.8661	24.016/0.9455 24.041/0.9465			23.75/0.935	F100	1	RB4113	**RB4113** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 38
281 (4.6) DOHC	**V**	**V8**	**90.2mm x 90mm**	**Connecting Rod 23 ft.lbs/31 Nm + 90 deg**
281 (4.6) DOHC Supercharged	**Y**	**V8**	**90.2mm x 90mm**	**Main Bearing 24 ft.lbs/33 Nm + 90 deg**

Rod									
	52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F810	16	5636A IH	**8B1442A** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 8B1442A.									
	52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F810	16	9080A IH	**8B1442AO/S2** .25 .50 .75 1.0
Rod									
	52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F780	16	5636 IH	**8B1442P** Std. .25 .50 .75 1.0
to be superceded by 8B1442A when stock exhausted.									
Rod - .002" oversize OD version of 8B1442P.									
	52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F780	16	9080 IH	**8B1442PO/S2** .25 .50 .75 1.0
to be superceded by 8B1442AO/S2 when stock exhausted.									
Cam Tower - for engines early 1996 only.									
1,6,7,12	26.937/1.0605 36.962/1.4552	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	4	5195A L	**6C1200A** Std.
1,6,7,12	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	4	5192A U	
2-5,8-11	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	11.80/0.465	F810	8	5191A L	
	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	11.80/0.465			5193A	
Cam Tower - for engines late 1996 on.									
1,6,7,12	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.093/0.0430	.015/.0006 .081/.0032	14.70/0.579	F810	4	5190A L	**6C1201A** Std.
1,6,7,12	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	4	5192A U	
2-5,8-11	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	11.80/0.465	F810	8	5191A U	
2-5,8-11	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	11.80/0.465	F810	8	5193A L	
Small End - not bored, single pieces.									
	21.994/0.8659 21.999/0.8661	24.016/0.9455 24.041/0.9465			23.75/0.935	F100	1	RB4113	**RB4113** Semi

FORD

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
39 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
330 (5.4) SOHC Supercharged			**3 V8**	**90.2mm x 105.7mm**		**Connecting Rod 23 ft.lbs/31 Nm + 90 deg**			
330 (5.4) SOHC			**5 V8**	**90.2mm x 105.7mm**		**Main Bearing 24 ft.lbs/33 Nm + 90 deg**			
330 (5.4) SOHC			**L V8**	**90.2mm x 105.7mm**					
330 (5.4) SOHC			**M V8**	**90.2mm x 105.7mm**					
330 (5.4) SOHC - Bi-Fuel			**Z V8**	**90.2mm x 105.7mm**					
	Rod								
8B1442A Std. .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F810	16	5636A IH
	Rod - .002" oversize OD version of 8B1442A.								
8B1442AO/S2 .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F810	16	9080A IH
	Rod								
8B1442P Std. .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F780	16	5636 IH
	to be superceded by 8B1442A when stock exhausted.								
	Rod - .002" oversize OD version of 8B1442P.								
8B1442PO/S2 .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F780	16	9080 IH
	to be superceded by 8B1442AO/S2 when stock exhausted.								
	Main								
5M7296A Std. .25 .50 .75 1.0	1	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	19.26/0.758	F810	1	7293A U
	2,3,4,5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F810	4	7296A U
	1-5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F810	5	7296A L
	5	76.750/3.0216 (ID) 77.000/3.0315	96.750/3.8090 (OD) 97.000/3.8189			2.92/0.115	F810	3	7296T U/L
	Set includes three thrustwashers. Use on No. 5 position.								
	Cam Tower - repair insert.								
6C1100A Std. .25	1-6	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.013/.0005 .038/.0015	14.70/0.579	F810	6	5194A L
	1-6	26.937/1.0605 26.962/1.0615	29.190/1.1492 29.144/1.1474	1.083/0.0426	.013/.0005 .038/.0015	14.70/0.579	F810	6	5195A U
	Small End - not bored, single pieces.								
RB4113 Semi		21.994/0.8659 21.999/0.8661	24.016/0.9455 24.041/0.9465			23.75/0.935	F100	1	RB4113

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE	VIN	CYL	Bore x Stroke
330 (5.4)		V8	3.88 x 3.50
352 (5.8)		V8	4.00 x 3.50
360 (5.9)	Y	V8	4.05 x 3.50
361 (5.9)		V8	4.05 x 3.50
390 (6.4)		V8	4.05 x 3.78
390 (6.4)	H	V8	4.05 x 3.78
390 (6.4)	M	V8	4.05 x 3.78
390 (6.4)	S	V8	4.05 x 3.78
390 (6.4)	X	V8	4.05 x 3.78
390 (6.4)	Y	V8	4.05 x 3.78
390 (6.4)	Z	V8	4.05 x 3.78
410		V8	4.05 x 3.98
427 (7.0)		V8	4.23 x 3.78
427 (7.0)	W	V8	4.23 x 3.78
428 (7.0)		V8	4.23 x 3.78
428 (7.0)	P	V8	4.23 x 3.78
428 (7.0)	Q	V8	4.23 x 3.78
428 (7.0)	R	V8	4.23 x 3.78

TORQUE SETTINGS 40

Connecting Rod 40-45 ft.lbs/54-61 Nm (All except 406,427 engines)

Connecting Rod 53-58 ft.lbs/72-79 Nm (406,427 engines only)

Main Bearing 95-105 ft.lbs/129-142 Nm

Rod

	61.925/2.4380 61.946/2.4388	65.804/2.5907 65.824/2.5915	1.923/0.0757	.012/.0005 .078/.0031	18.67/0.735	F780	16	2110 IH	**8B760P** Std. 10 20 30 40

Rod - .002" oversize OD version of 8B760P.

	61.925/2.4380 61.946/2.4388	65.855/2.5927 65.875/2.5935	2.075/0.0817 (@ .010" u/s)	.013/.0005 .080/.0031	18.67/0.735	F780	16	9061 IH	**8B760PO/S2** 10 20 30 40

Main - optional set to 5M685P with +0.010" overflange length increase for undersizes. *See below for dimensional information.

1,2,4,5	69.809/2.7484 69.830/2.7492	74.706/2.9412 74.727/2.9420	2.420/0.0953	.010/.0004 .078/.0031	23.17/0.912	F780	8	2115 IH	**5M2119P** 10 20 30 40
3(FI)	69.809/2.7484 69.830/2.7492	74.706/2.9412 74.727/2.9420	2.425/0.0955	.068/.0027	28.65/1.128	F780	2	2119 IH	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M2119P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.128"	+0.010"
.020" u/s shaft	1.128"	+0.010"
.030" u/s shaft	1.128"	+0.010"
.040" u/s shaft	1.128"	+0.010"

Main - engines 1964-65 with 3.764"-3.829" flange O.D. - full groove.

1,2,4,5	69.809/2.7484 69.830/2.7492	74.706/2.9412 74.727/2.9420	2.420/0.0953	.010/.0004 .078/.0031	23.17/0.912	F780	8	2115 IH	**5M685P** Std. 10 20 30 40
3(FI)	69.809/2.7484 69.830/2.7492	74.706/2.9412 74.727/2.9420	2.425/0.0955	.068/.0027	28.40/1.118	F780	2	2114 IH	

Overflange length remains constant for standard and undersizes.

Main - engines 1966-78 with 3.888"-3.948" flange O.D. - full groove.

1,2,4,5	69.809/2.7484 69.830/2.7492	74.706/2.9412 74.727/2.9420	2.433/0.0958	.010/.0004 .078/.0031	23.17/0.912	F780	8	2115 IH	**5M863P** Std. 10 20 30 40
3 (FI)	69.809/2.7484 69.830/2.7492	74.706/2.9412 74.727/2.9420	2.441/0.0961	.010/.0004 .078/.0031	28.40/1.118	F780	2	2118 IH	

Overflange length remains constant for standard and undersizes.

Cam - all engines except 1966-67 427 wedge head.

1	53.945/2.1238 54.970/2.1248	58.661/2.3095 58.687/2.3105	2.320/0.0913		15.88/0.625	F23	1	F-33-1	**5C781S** Std.
2	53.945/2.1238 54.970/2.1248	58.280/2.2945 58.306/2.2955	2.140/0.0841		15.88/0.625	F23	1	F-15-2	
3	53.945/2.1238 54.970/2.1248	57.899/2.2795 57.925/2.2805	1.950/0.0766		15.88/0.625	F23	1	F-15-3	
4	53.945/2.1238 54.970/2.1248	57.518/2.2645 57.544/2.2655	1.760/0.0691		15.88/0.625	F23	1	F-14-4	
5	53.945/2.1238 54.970/2.1248	57.137/2.2495 57.163/2.2505	1.560/0.0616		14.35/0.565	F23	1	F-15-5	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
40 (Cont'd.)									
	Small End - requires light reaming.								
AB02127R Ream			26.314/1.0360 26.365/1.0380	0.927/0.0365		31.75/1.250	F100	1	223-3501
	Small End - requires boring.								
AB02201 Semi			26.314/1.0360 26.365/1.0380	1.044/0.0411		30.23/1.190	F100	1	223-3598
41 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
351 (5.8) Cleveland			**H V8**	**4.00 x 3.50**		**Connecting Rod 40-45 ft.lbs/54-61 Nm**			
351 (5.8) Cleveland			**M V8**	**4.00 x 3.50**		**Main Bearing 95-105 ft.lbs./129-142 Nm**			
351 (5.8) Cleveland			**Q V8**	**4.00 x 3.50**					
	Rod								
8B927P Std. 01 10 20 30 40		58.682/2.3103 58.702/2.3111	61.880/2.4362 61.897/2.4369	1.588/0.0625	.002/.0001 .065/.0026	18.44/0.726	F780	16	2106C IH
	Rod - .002" oversize OD version of 8B927P.								
8B927PO/S2 10 20 30 40		58.682/2.3103 58.702/2.3111	61.931/2.4382 61.948/2.4390	1.740/0.0685 (@ .010" u/s)	.003/.0001 .066/.0026	18.18/0.716	F780	16	9051 IH
	Main - half groove.								
5M1010P Std. 01 10 20 30 40	1,2,4,5	69.809/2.7484 69.830/2.7492	74.719/2.9417 74.740/2.9425	2.443/0.0962	.003/.0001 .071/.0028	22.35/0.880	F780	8	2107 U/L
	3 (Fl)	69.809/2.7484 69.830/2.7492	74.719/2.9417 74.740/2.9425	2.443/0.0962	.003/.0001 .071/.0028	28.40/1.118	F780	2	2108 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - Performance								
5C710C Std.	1	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.565/0.0616		16.89/0.665	F23	1	FP-26-1
	2	52.464/2.0655 52.489/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	FP-18-2
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	FP-18-3
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	FP-18-4
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	FP-18-5
	Cam								
5C710S Std.	1	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.565/0.0616		16.89/0.665	F23	1	F-26-1
	2	52.464/2.0655 52.489/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5
42 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
351 (5.8) Windsor			**C V8**	**4.00 x 3.50**		**Connecting Rod 40-45 ft.lbs/54-61 Nm**			
351 (5.8) Windsor			**G V8**	**4.00 x 3.50**		**Main Bearing 95-105 ft.lbs/129-142 Nm**			
351 (5.8) Windsor			**H V8**	**4.00 x 3.50**					
351 (5.8) Windsor			**M V8**	**4.00 x 3.50**					
351 (5.8) Windsor			**Q V8**	**4.00 x 3.50**					
351 (5.8) Windsor			**R V8**	**4.00 x 3.50**					
	Rod - High strength Aluminum Silicon material.								
8B831A Std. 10 20 30 40		58.682/2.3103 58.702/2.3111	61.633/2.4265 61.653/2.4273	1.465/0.0577	.010/.0004 .066/.0026	18.18/0.716	F810	16	2176A IH
	Rod - .002" oversize OD version of 8B831A.								
8B831AO/S2 10 20 30 40		58.682/2.3103 58.702/2.3111	61.684/2.4285 61.704/2.4293	1.617/0.0637 (@ .010" u/s)	.010/.0004 .066/.0026	18.18/0.716	F810	16	9031A IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 42
Rod - To be superceded by 8B831A when stock exhausted.									
	58.682/2.3103 58.702/2.3111	61.633/2.4265 61.653/2.4273	1.465/0.0577	.010/.0004 .066/.0026	18.18/0.716	F780	16	2176 IH	**8B831P** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 8B831P.									
	58.682/2.3103 58.702/2.3111	61.684/2.4285 61.704/2.4293	1.617/0.0637 (@ .010" u/s)	.002/.0001 .068/.0027	18.18/0.716	F780	16	9031 IH	**8B831PO/S2** 10 20 30 40
To be superceded by 8B831AO/S2 when stock exhausted.									
Main - High strength Aluminum Silicon material.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	2177A U	**5M1432A** Std. 10 20 30 40
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	5207A L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	1	2178A U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	1	5209A L	
Overflange length remains constant for standard and undersizes.									
Main - engines 1977-1997 - half groove. To be superceded by 5M1432A when stock exhausted.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	2177 U	**5M1432P** Std. 01 10 20 30 40
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	5207 L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	2178 U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	5209 L	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 5M1432A with +.010" overflange length increase for undersizes. *See below for dimensional information.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	2177A U	**5M5249A** 10 20 30 40
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	5207A L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	1	2170A U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	1	5249A L	

*** DIMENSIONAL INFORMATION FOR 5M5249A**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

Main - High Strength Aluminum Silicon material. For engines 1969-1976 - full groove.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	8	2177A IH	**5M981A** Std. 10 20 30 40
3 (IH)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	2	2178A IH	
Overflange length remains constant for standard and undersizes.									
Main - engines 1969-1976 - full groove. To be superceded by 5M981A when stock exhausted.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	8	2177 IH	**5M981P** Std. 01 10 20 30 40
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	2	2178 IH	
Overflange length remains constant for standard and undersizes.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
42 (Cont'd.)									
	Main - optional set to 5M981A with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
5M982A 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	8	2177A IH
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	2	2170A IH

*** DIMENSIONAL INFORMATION FOR 5M982A**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

	Main - optional set to 5M981P with +0.010" overflange length increase for undersizes. To be superceded by 5M982A when stock exhausted.								
5M982P 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	8	2177 IH
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F780	2	2170 IH

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M982P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040' u/s shaft	1.143"	+0.010"

	Cam								
5C510S Std.	1	52.845/2.0805 52.870/2.0815	55.982/2.2040 56.007/2.2050	1.530/0.0602		16.89/0.665	F23	1	F-18-1
	2	52.464/2.0655 52.490/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5

43 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
351 (5.8) Modified	**G**	**V8**	**4.00 x 3.50**	**Connecting Rod 40-45 ft.lbs/54-61 Nm**
351 (5.8) Modified	**H**	**V8**	**4.00 x 3.50**	**Main Bearing 35-45 ft.lbs/47-61 Nm** (3/8" bolts only)
400 (6.6)		**V8**	**4.00 x 4.00**	**Main Bearing 95-105 ft.lbs/129-142 Nm** (1/2" bolts only)
400 (6.6)	**S**	**V8**	**4.00 x 4.00**	
400 (6.6)	**Z**	**V8**	**4.00 x 4.00**	

	Rod								
8B927P Std. 01 10 20 30 40		58.682/2.3103 58.702/2.3111	61.880/2.4362 61.897/2.4369	1.588/0.0625	.002/.0001 .065/.0026	18.44/0.726	F780	16	2106C IH
	Rod - .002" oversize OD version of 8B927P.								
8B927PO/S2 10 20 30 40		58.682/2.3103 58.702/2.3111	61.931/2.4382 61.948/2.4390	1.740/0.0685 (@ .010" u/s)	.003/.0001 .066/.0026	18.18/0.716	F780	16	9051 IH
	Main - High strength Aluminum Silicon material.								
5M1432A Std. 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	2177A U
	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	5207A L
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	1	2178A U
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	1	5209A L

Overflange length remains constant for standard and undersizes.

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 43
Main - engines 1977-1982 half groove. To be superceded by 5M1432A when stock exhausted.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	2177 U	**5M1432P** Std. 01 10 20 30 40
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	5207 L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	2178 U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	5209 L	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 5M1432A with +.010" overflange length increase for undersizes. *See below for dimensional information.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	2177A U	**5M5249A** 10 20 30 40
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	5207A L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	1	2170A U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	1	5249A L	

*** DIMENSIONAL INFORMATION FOR 5M5249A**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

Main - High Strength Aluminum Silicon material. For engines 1971-1976 - full groove.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	8	2177A IH	**5M981A** Std. 10 20 30 40
3 (IH)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	2	2178A IH	
Overflange length remains constant for standard and undersizes.									
Main - engines 1971-1976 - full groove. To be superceded by 5M981A when stock exhausted.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	8	2177 IH	**5M981P** Std. 01 10 20 30 40
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	2	2178 IH	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 5M981A with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	8	2177A IH	**5M982A** 10 20 30 40
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	2	2170A IH	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M982A**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
43 (Cont'd.)									
	Main - optional set to 5M981P with +0.010" overflange length increase for undersizes. To be superceded by 5M982A when stock exhausted.								
5M982P 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	8	2177 IH
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F780	2	2170 IH
	Stock not available from fee warehouses.								

* DIMENSIONAL INFORMATION FOR 5M982P		
	Overall Width (Nominal)	**Increase in Width**
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040' u/s shaft	1.143"	+0.010"

	Cam								
5C710S Std.	1	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.565/0.0616		16.89/0.665	F23	1	F-26-1
	2	52.464/2.0655 52.489/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5

44 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
370 (6.1)		**V8**	**4.05 x 3.59**	**Connecting Rod 40-45 ft.lbs/54-61 Nm**
429 (7.0)	**C**	**V8**	**4.36 x 3.59**	**Main Bearing 95-105 ft.lbs/129-142 Nm**
429 (7.0)	**J**	**V8**	**4.36 x 3.59**	
429 (7.0)	**K**	**V8**	**4.36 x 3.59**	
429 (7.0)	**N**	**V8**	**4.36 x 3.59**	
429 (7.0)	**Z**	**V8**	**4.36 x 3.59**	
460 (7.5)	**A**	**V8**	**4.36 x 3.85**	
460 (7.5)	**C**	**V8**	**4.36 x 3.85**	
460 (7.5)	**G**	**V8**	**4.36 x 3.85**	
460 (7.5)	**J**	**V8**	**4.36 x 3.85**	
460 (7.5)	**L**	**V8**	**4.36 x 3.85**	

	Rod								
8B818P Std. 10 20 30 40		63.480/2.4992 63.500/2.5000	67.366/2.6522 67.386/2.6530	1.927/0.0759	.012/.0005 .078/.0031	22.00/0.866	F780	16	5210 IH
	Main - Position 1,2,4,5 is half groove & Position 3 (Fl) is full groove.								
5M1039P Std. 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.432/0.0957	.013/.0005 .079/.0031	24.13/0.950	F780	8	5212 U/L
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.432/0.0957	.013/.0005 .079/.0031	28.45/1.120	F780	2	5214 IH
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 5M1039P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
5M5218P 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.557/0.1007 (@ .010" u/s)	.013/.0005 .079/.0031	24.13/0.950	F780	8	5212 U/L
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.557/0.1007 (@ .010" u/s)	.013/.0005 .079/.0031	28.70/1.130	F780	2	5218 IH
	Stock not available from fee warehouses.								

* DIMENSIONAL INFORMATION FOR 5M5218P		
	Overall Width (Nominal)	**Increase in Width**
.010" u/s shaft	1.130"	+0.010"
.020" u/s shaft	1.130"	+0.010"
.030" u/s shaft	1.130"	+0.010"
.040" u/s shaft	1.130"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 44
Cam									
1-5	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.570/0.0618		14.86/0.585	F23	5	F-30-1	**5C1111S** Std.
Cam - Oversize OD Cam set. Align bore housing to 2.2645"/2.2655".									
1-5	53.944/2.1238 53.969/2.1248	57.518/2.2645 57.544/2.2655	1.763/0.0694	.028/.0011 .127/.0050	16.00/0.630	F820	5	SH1766	**5C1766S** Std.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 45
401 (6.6)		**V8**	**4.125 x 3.750**	**Connecting Rod 60-65 ft.lbs**
475 (7.8)		**V8**	**4.500 x 3.750**	**Main Bearing 130-150 ft.lbs** 1966-81 engines
477 (7.8)		**V8**	**4.500 x 3.750**	**Main Bearing 150-165 ft.lbs** 1958-65 engines
534 (8.8)		**V8**	**4.500 x 4.200**	

Rod - for engines 1961-81 and 1960 with crankshafts C1TE-6303B, C1TE-6303C and C2TZ-6303A or B on No.4 counterweight only.									
	68.814/2.7092 68.834/2.7100	73.741/2.9032 73.761/2.9040	2.443/0.0962	.033/.0013 .099/.0039	22.66/0.892	F780	16	CB615P	**8B615P** Std. 10 20 30
To be discontinued when stock exhausted.									
Main									
1,2,4,5	79.365/3.1246 79.385/3.1254	84.267/3.3176 84.287/3.3184	2.428/0.0956	.038/.0015 .099/.0039	28.07/1.105	F780	8	MB1820P	**5M443P** Std. 10 20 30
3 (FI)	79.365/3.1246 79.385/3.1254	84.267/3.3176 84.287/3.3184	2.433/0.0958	.023/.0009 .089/.0035	32.33/1.273	F780	2	MB1821P	
To be discontinued when stock exhausted.									
Cam									
1	62.840/2.4740 62.865/2.4750	66.091/2.6020 66.116/2.6030	1.600/0.0630	.025/.0010 .128/.0050	17.27/0.680	F23	1	SH369	**5C369S** Std.
2,3,4,5	60.198/2.3700 60.223/2.3710	63.449/2.4980 63.475/2.4990	1.600/0.0630	.025/.0010 .128/.0050	17.27/0.680	F23	4	SH370	
To be discontinued when stock exhausted.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 46
420 (6.9) Diesel	**1**	**V8**	**4.00 x 4.18**	**Connecting Rod 38 ft.lbs** Step 1 (6.9L Diesel)
445 (7.3) Diesel	**M**	**V8**	**4.11 x 4.18**	**Connecting Rod 38 ft.lbs** Step 1 (7.3L Diesel)
				Connecting Rod 51 ft.lbs Step 2 (7.3L Diesel)
				Connecting Rod 54 ft.lbs Step 2 (6.9L Diesel)
				Main Bearing 75 ft.lbs Step 1 (6.9L Diesel)
				Main Bearing 75 ft.lbs Step 1 (7.3L Diesel)
				Main Bearing 95 ft.lbs Step 2 (6.9L Diesel)
				Main Bearing 95 ft.lbs Step 2 (7.3L Diesel)

Rod									
	63.449/2.4980 63.474/2.4990	68.339/2.6905 68.364/2.6915	2.420/0.0952	.053/.0021 .104/.0041	22.56/0.888	F780	16	5241 IH	**8B1327P** Std. 01 10 20 30
Main									
1,2,4,5	79.319/3.1228 79.339/3.1236	84.206/3.3152 84.231/3.3162	2.410/0.0949	.053/.0021 .124/.0049	22.23/0.875	F780	8	2934 U/L	**5M1596P** Std. 10 20 30
3 (FI)	79.319/3.1228 79.339/3.1236	84.206/3.3152 84.231/3.3162	2.410/0.0949	.053/.0021 .124/.0049	28.70/1.130	F780	2	2935 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	53.315/2.0990 53.340/2.1000	56.655/2.2305 56.693/2.2320	1.640/0.0647		20.07/0.790	F23	1	IN-17-1	**5C1092S** Std.
2,3,4,5	53.315/2.0990 53.340/2.1000	56.655/2.2305 56.693/2.2320	1.640/0.0647		16.64/0.655	F23	4	IN-17-2	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
47 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
415 (6.8)			**S V10**	**3.551 x 4.160**		**Connecting Rod 30-33 ft.lbs + 90-120 deg**			
415 (6.8)			**Y V10**	**3.551 x 4.160**		**Main Bearing** Consult Service Manual			
	Rod								
10B1442P Std. .25 .50		52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F780	20	5636 IH
	Rod - .002" oversize OD version of 10B1442P.								
10B1442POS2 .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.917/2.2408 56.937/2.2416	2.053/0.0808 (@0.25mm u/s)	.012/.0005 .063/.0025	20.96/0.825	F780	20	9080 IH
	Main								
6M7296A Std. .25 .50 .75 1.0	1	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	19.26/0.758	F810	1	7293A U
	1-6	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	18.35/0.722	F810	6	7296A L
	2-6	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F810	5	7296A U
	6	76.750/3.0216 (ID) 77.000/3.0315	96.750/3.8090 (OD) 97.000/3.8189			2.92/0.115	F817	3	7296T U/L
	Set includes three thrustwashers. Use on No. 6 position.								
	Balance Shaft - Split type repair Inserts.								
3BS5196A Std. .25	A,B,C	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	3	5195A U
	A	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	1	5196A L
	B,C	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	2	5197A L
	Cam Tower - Split type repair inserts for LEFT cylinder bank.								
7C5197LA Std. .25	0-6	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	7	5194A L
	0,2,3,4,6	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	5	5195A U
	2,5	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	2	5197A U
	Cam Tower - Split type repair inserts for RIGHT cylinder bank.								
7C5197RA Std. .25	0-6	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	7	5194A L
	0-6	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	7	5195A U
48 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
445 (7.3) Powerstroke Engine Turbo Diesel			**C V8**	**4.11 x 4.18**		**Connecting Rod 52 ft.lbs** Step 1 **Connecting Rod 80 ft.lbs** Step 2			
445 (7.3) Powerstroke Engine Turbo Diesel			**F V8**	**4.11 x 4.18**		**Main Bearing 75 ft.lbs** Step 1 **Main Bearing 95 ft.lbs** Step 2			
445 (7.3) Powerstroke Engine Turbo Diesel			**K V8**	**4.11 x 4.18**					
	Rod								
8B1633P Std. 10 20 30 40		63.449/2.4980 63.475/2.4990	68.339/2.6905 68.364/2.6915	2.419/0.0952	.038/.0015 .114/.0045	22.56/0.888	F780	16	5246 IH
	Main								
5M2034P Std. 10 20 30 40	1,2,4,5	79.319/3.1228 79.339/3.1236	84.206/3.3152 84.231/3.3162	2.410/0.0949	.046/.0018 .117/.0046	23.70/0.933	F780	8	5247 U/L
	3 (Fl)	79.319/3.1228 79.339/3.1236	84.206/3.3152 84.231/3.3162	2.410/0.0949	.046/.0018 .117/.0046	31.45/1.238	F780	2	5248 U/L
	Cam								
5C1092S Std.	1	53.315/2.0990 53.340/2.1000	56.655/2.2305 56.693/2.2320	1.640/0.0647		20.07/0.790	F23	1	IN-17-1
	2,3,4,5	53.315/2.0990 53.340/2.1000	56.655/2.2305 56.693/2.2320	1.640/0.0647		16.64/0.655	F23	4	IN-17-2

FORD PERFORMANCE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1500cc (1.5)	Escort/Cortina/Lotus Twin Cam		L4		2
1558cc (1.6)	Escort/Cortina/Lotus Twin Cam		L4		2
1600cc (1.6)	BDA,BDD ... (BD Series)		L4		1
1700cc (1.7)	BDB,BDC ... (BD Series)		L4		1
140 2254cc (2.3)	Duratec		V8	01-06	3
221 (3.6)			V8	62-63	4
255 (4.2)			V8	80-82	4
260 (4.3)			V8	62-65	4
281 (4.6)			V8	91-06	5
289 (4.7)			V8	63-68	4
302 (5.0)			V8	68-01	4
330 (5.4)			V8	97-06	6
351 (5.8)	Cleveland		V8	70-74	7
351 (5.8)	Modified		V8	75-82	8
351 (5.8)	Windsor		V8	77-98	9
370 (6.1)			V8	79-91	10
400 (6.6)			V8	71-82	8
429 (7.0)			V8	68-98	10
460 (7.5)			V8	68-98	10

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**1**
1600cc (1.6) BDA,BDD ... (BD Series)			**L4**						
1700cc (1.7) BDB,BDC ... (BD Series)			**L4**						
Rod									
	49.200/1.9370 49.213/1.9375	52.927/2.0837 52.940/2.0842	1.840/0.0724	.034/.0013 .076/.0030	19.17/0.755	F781	8	1060H IH	**4B1060H** Std. 001.010.020
Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	49.200/1.9370 49.213/1.9375	52.927/2.0837 52.940/2.0842	1.827/0.0719	.059/.0023 .101/.0040	19.17/0.755	F781	8	1060HX IH	**4B1060HX** Std.
Main									
1-5	53.988/2.1255 54.000/2.1260	57.683/2.2710 57.696/2.2715	1.831/0.0721	.021/.0008 .062/.0024	25.52/1.005	F780	10	2152H IH	**5M2152H** Std. 001 010 020
Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1-5	53.988/2.1255 54.000/2.1260	57.683/2.2710 57.696/2.2715	1.818/0.0716	.046/.0018 .087/.0034	25.52/1.005	F780	10	2152HX IH	**5M2152HX** Std.
Thrust									
3	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.36/0.093	F250	2	2152T IH	**1T113S** Std. +.005
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**2**
1500cc (1.5) Escort/Cortina/Lotus Twin Cam			**L4**						
1558cc (1.6) Escort/Cortina/Lotus Twin Cam			**L4**						
Rod									
	49.200/1.9370 49.212/1.9375	52.896/2.0825 52.908/2.0830	1.830/0.0720	.024/.0009 .064/.0025	22.35/0.880	F781	8	5216H U/L	**4B603H** Std. 001 010 020
Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	49.200/1.9370 49.212/1.9375	52.896/2.0825 52.908/2.0830	1.817/0.0715	.049/.0019 .089/.0035	22.35/0.880	F781	8	5216HX U/L	**4B603HX** Std.
Main									
1-5	53.988/2.1255 54.000/2.1260	57.683/2.2710 57.696/2.2715	1.831/0.0721	.021/.0008 .062/.0024	25.52/1.005	F780	10	2152H IH	**5M2152H** Std. 001 010 020
Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1-5	53.988/2.1255 54.000/2.1260	57.683/2.2710 57.696/2.2715	1.818/0.0716	.046/.0018 .087/.0034	25.52/1.005	F780	10	2152HX IH	**5M2152HX** Std.
Thrust									
3	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.36/0.093	F250	2	2152T IH	**1T113S** Std. +.005
Cam Tower - Split Cam type insert.									
	25.400/1.0000 25.412/1.0005	28.587/1.1255 28.800/1.1339	1.584/0.0624	.007/.0003 .048/.0019	19.18/0.755	F23	16	5808 IH	**10C5808** Std.
	25.400/1.0000 25.412/1.0005	28.587/1.1255 28.600/1.1260	1.584/0.0624	.007/.0003 .048/.0019	12.82/0.505	F23	4	5809 IH	

FORD PERFORMANCE

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
140 2254cc (2.3) Duratec			**V8**	**87.5mm x 94mm**					
	Rod								
4B8170H Std. .025 .25		49.980/1.9677 50.000/1.9685	53.025/2.0876 53.045/2.0884	1.500/0.0591	.026/.0010 .052/.0020	16.80/0.661	F781	8	8170H IH
	Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
4B8170HX Std.		49.980/1.9677 50.000/1.9685	53.025/2.0876 53.045/2.0884	1.487/0.0585	.052/.0020 .077/.0030	16.80/0.661	F781	8	8170HX IH
4 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
221 (3.6)			**V8**	**3.500 x 2.875**		**Connecting Rod 19-24 ft.lbs**			
255 (4.2)			**V8**	**3.680 x 3.000**		**Main Bearing 60-70 ft.lbs**			
260 (4.3)			**V8**	**3.800 x 2.870**					
289 (4.7)			**V8**	**4.000 x 2.870**					
302 (5.0)			**V8**	**4.000 x 3.000**					
	Rod - Bearing shell does not contain dowel hole.								
1B634H Std. 01 09 10 11 20		53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.458/0.0574	.016/.0006 .072/.0028	18.44/0.726	F780	2	2131H U/L
	Rod - Dowel hole In cap half only. May also be used In engines without doweled conrod.								
1B634HD Std. 01 10		53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.458/0.0574	.016/.0006 .072/.0028	18.44/0.726	F781	2	2131HD U/L
	Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
1B634HX Std.		53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.445/0.0569	.041/.0016 .097/.0038	18.44/0.726	F780	2	2131HX U/L
	Rod - Dowel hole In cap half only. May also be used In engines without doweled conrod. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
1B634HXD Std.		53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.445/0.0569	.041/.0016 .097/.0038	18.44/0.726	F781	2	2131HXD U/L
	Main - 3/4 grooved set.								
5M590H Std. 01 09 10 11 20	1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.431/0.0957	.016/.0006 .072/.0028	22.48/0.885	F780	8	2132H U/L
	3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.431/0.0957	.016/.0006 .072/.0028	28.78/1.133	F780	2	2133H U/L
	Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M590HX Std.	1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.418/0.0952	.040/.0016 .096/.0038	22.48/0.885	F780	8	2132HX U/L
	3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.418/0.0952	.040/.0016 .096/.0038	28.78/1.133	F780	2	2133HX U/L
	Cam - Heavy duty Aluminum/Tin material.								
5C1321S Std.	1	52.845/2.0805 52.870/2.0815	55.984/2.2041 56.010/2.2051	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5610C
	2	52.464/2.0655 52.489/2.0665	55.601/2.1890 55.626/2.1900	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5616C
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5617C
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5618C
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5619C
	Cam - for engines with all constant housing bores at 2.2041"-2.2051" (SVO engines).								
5C1763S Std.	1-5	52.845/2.0805 52.870/2.0815	55.984/2.2041 56.010/2.2051	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	5	5610C

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 4
Cam - Babbitt material.									
1	52.845/2.0805 52.870/2.0815	55.982/2.2040 56.007/2.2050	1.530/0.0602		16.89/0.665	F23	1	F-18-1	**5C510S** Std.
2	52.464/2.0655 52.490/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2	
3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3	
4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4	
5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				5
281 (4.6)			**V8**	**90.2mm x 90mm**	**Connecting Rod 23 ft.lbs/31 Nm + 90 deg Main Bearing 24 ft.lbs/33 Nm + 90 deg**				
Rod									
	52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F781	2	5636H U/L	**1B1442H** Std. .025 .25
Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.915/0.0754	.037/.0015 .088/.0035	20.96/0.825	F781	2	5636HX U/L	**1B1442HX** Std.
Main - For engines 1996 on (VIN 6,X only).									
1	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	19.26/0.758	F780	1	5644H U	**5M7296H** Std. .025 .25
2-5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F780	4	5645H U	
1-5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F780	5	5646H L	
5	76.750/3.0216 77.000/3.0315	96.750/3.8090 97.000/3.8189			2.92/0.115	F817	3	7296T U/L	
Set includes three thrustwashers. Use on No. 5 position.									
Main - For engines 1996 on (VIN 6,X only). Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
U	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.430/0.0957	.032/.0013 .096/.0038	19.26/0.758	F780	1	5644HX 1	**5M7296HX** Std.
2-5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.430/0.0957	.032/.0013 .096/.0038	20.06/0.790	F780	4	5645HX U	
1-5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.430/0.0957	.032/.0013 .096/.0038	20.06/0.790	F780	5	5646HX L	
	76.750/3.0216 77.000/3.0315	96.750/3.8090 97.000/3.8189			2.92/0.115			7296T	
Set includes three thrustwashers. Use on No. 5 position.									
Small End - not bored, single pieces.									
	21.994/0.8659 21.999/0.8661	24.016/0.9455 24.041/0.9465			23.75/0.935	F100	1	RB4113	**RB4113** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				6
330 (5.4)			**V8**	**90.2mm x 105.8mm**	**Connecting Rod 23 ft.lbs/31 Nm + 90 deg Main Bearing 24 ft.lbs/33 Nm + 90 deg**				
Rod									
	52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F781	2	5636H U/L	**1B1442H** Std. .025 .25
Rod - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.915/0.0754	.037/.0015 .088/.0035	20.96/0.825	F781	2	5636HX U/L	**1B1442HX** Std.

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
6 (Cont'd.)									
	Main								
5M7296H Std. .025 .25	1	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	19.26/0.758	F780	1	5644H U
	2-5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F780	4	5645H U
	1-5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F780	5	5646H L
	5	76.750/3.0216 77.000/3.0315	96.750/3.8090 97.000/3.8189			2.92/0.115	F817	3	7296T U/L
	Set includes three thrustwashers. Use on No. 5 position.								
	Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M7296HX Std.	U	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.430/0.0957	.032/.0013 .096/.0038	19.26/0.758	F780	1	5644HX 1
	2-5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.430/0.0957	.032/.0013 .096/.0038	20.06/0.790	F780	4	5645HX U
	1-5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.430/0.0957	.032/.0013 .096/.0038	20.06/0.790	F780	5	5646HX L
		76.750/3.0216 77.000/3.0315	96.750/3.8090 97.000/3.8189			2.92/0.115			7296T
	Set includes three thrustwashers. Use on No. 5 position.								
	Small End - not bored, single pieces.								
RB4113 Semi		21.994/0.8659 21.999/0.8661	24.016/0.9455 24.041/0.9465			23.75/0.935	F100	1	RB4113
7 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
351 (5.8) Cleveland			**V8**	**4.000 x 3.500**		**Connecting Rod 40-45 ft.lbs Main Bearing 95-105 ft.lbs**			
	Rod - Bearing shell does not contain dowel hole.								
1B927H Std. 01 10		58.682/2.3103 58.702/2.3111	61.880/2.4362 61.897/2.4369	1.585/0.0624	.013/.0005 .060/.0024	18.44/0.726	F780	2	2106H U/L
	Main - 3/4 grooved set.								
5M1010H Std. 01 10 20	1,2,4,5	69.809/2.7484 69.830/2.7492	74.719/2.9417 74.740/2.9425	2.443/0.0962	.003/.0001 .071/.0028	22.35/0.880	F780	8	2107H U/L
	3 (FI)	69.809/2.7484 69.830/2.7492	74.719/2.9417 74.740/2.9425	2.443/0.0962	.003/.0001 .071/.0028	28.40/1.118	F780	2	2108H U/L
	Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M1010HX Std.	1,2,4,5	69.809/2.7484 69.830/2.7492	74.719/2.9417 74.740/2.9425	2.431/0.0957	.028/.0011 .096/.0038	22.35/0.880	F780	8	2107HX U/L
	3 (FI)	69.809/2.7484 69.830/2.7492	74.719/2.9417 74.740/2.9425	2.431/0.0957	.028/.0011 .096/.0038	28.40/1.118	F780	2	2108HX U/L
	Cam - for engines with all constant housing bores at 2.2041"-2.2051" (SVO engines).								
5C1763S Std.	1-5	52.845/2.0805 52.870/2.0815	55.984/2.2041 56.010/2.2051	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	5	5610C
	Cam - Performance cam bearing.								
5C710C Std.	1	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.565/0.0616		16.89/0.665	F23	1	FP-26-1
	2	52.464/2.0655 52.489/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	FP-18-2
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	FP-18-3
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	FP-18-4
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	FP-18-5

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 7
Cam - Babbitt material.									
1	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.565/0.0616		16.89/0.665	F23	1	F-26-1	**5C710S** Std.
2	52.464/2.0655 52.489/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2	
3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3	
4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4	
5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				8
351 (5.8) Modified			**V8**	**4.000 x 3.500**	**Connecting Rod 40-45 ft.lbs**				
400 (6.6)			**V8**	**4.000 x 4.000**	**Main Bearing 95-105 ft.lbs**				
Rod - Bearing shell does not contain dowel hole.									
	58.682/2.3103 58.702/2.3111	61.880/2.4362 61.897/2.4369	1.585/0.0624	.013/.0005 .060/.0024	18.44/0.726	F780	2	2106H U/L	**1B927H** Std. 01 10
Main - 3/4 grooved set.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	2177H U	**5M1432H** Std. 01 10
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	5207H L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	2178H U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	5209H L	
Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.420/0.0953	.036/.0014 .101/.0040	21.26/0.837	F780	4	2177HX U	**5M1432HX** Std.
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.420/0.0953	.036/.0014 .101/.0040	21.26/0.837	F780	4	5207HX L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.420/0.0953	.036/.0014 .101/.0040	28.78/1.133	F780	1	2178HX U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.420/0.0953	.036/.0014 .101/.0040	28.78/1.133	F780	1	5209HX L	
Cam - Performance cam bearing.									
1	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.565/0.0616		16.89/0.665	F23	1	FP-26-1	**5C710C** Std.
2	52.464/2.0655 52.489/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	FP-18-2	
3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	FP-18-3	
4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	FP-18-4	
5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	FP-18-5	
Cam - Babbitt material.									
1	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.565/0.0616		16.89/0.665	F23	1	F-26-1	**5C710S** Std.
2	52.464/2.0655 52.489/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2	
3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3	
4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4	
5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5	

FORD PERFORMANCE

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
9 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
351 (5.8) Windsor			**V8**	**4.000 x 3.500**		**Connecting Rod 40-45 ft.lbs Main Bearing 95-105 ft.lbs**			
	Main - 3/4 grooved set.								
5M1432H Std. 01 10	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	2177H U
	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	5207H L
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	2178H U
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	5209H L
	Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M1432HX Std.	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.420/0.0953	.036/.0014 .101/.0040	21.26/0.837	F780	4	2177HX U
	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.420/0.0953	.036/.0014 .101/.0040	21.26/0.837	F780	4	5207HX L
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.420/0.0953	.036/.0014 .101/.0040	28.78/1.133	F780	1	2178HX U
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.420/0.0953	.036/.0014 .101/.0040	28.78/1.133	F780	1	5209HX L
	Cam - Heavy duty Aluminum/Tin material.								
5C1321S Std.	1	52.845/2.0805 52.870/2.0815	55.984/2.2041 56.010/2.2051	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5610C
	2	52.464/2.0655 52.489/2.0665	55.601/2.1890 55.626/2.1900	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5616C
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5617C
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5618C
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.544/0.0608	.025/.0010 .127/.0050	17.02/0.670	F830	1	5619C
10 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
370 (6.1)			**V8**	**4.050 x 3.590**		**Connecting Rod 40-45 ft.lbs**			
429 (7.0)			**V8**	**4.360 x 3.590**		**Main Bearing 95-105 ft.lbs**			
460 (7.5)			**V8**	**4.360 x 3.850**					
	Rod - Bearing shell does not contain dowel hole.								
1B818H Std. 01 10		63.480/2.4992 63.500/2.5000	67.366/2.6522 67.386/2.6530	1.925/0.0758	.016/.0006 .070/.0028	22.00/0.866	F780	2	5210H U/L
	Main - 3/4 grooved set.								
5M1039H Std. 01 10	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.432/0.0957	.013/.0005 .079/.0031	24.13/0.950	F780	8	5212H U/L
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.432/0.0957	.013/.0005 .079/.0031	28.45/1.120	F780	2	5214H IH
	Main - Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M1039HX Std.	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.419/0.0952	.038/.0015 .104/.0041	24.13/0.950	F780	8	5212HX U/L
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.419/0.0952	.038/.0015 .104/.0041	28.45/1.120	F780	2	5214HX IH
	Cam - Babbitt material.								
5C1111S Std.	1-5	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.570/0.0618		14.86/0.585	F23	5	F-30-1
	Cam - for engines with all constant housing bores at 2.2645"-2.2655".								
5C1766S Std.	1-5	53.944/2.1238 53.969/2.1248	57.518/2.2645 57.544/2.2655	1.763/0.0694	.028/.0011 .127/.0050	16.00/0.630	F820	5	SH1766

GEO ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
61 993cc (1.0).....	Suzuki G10T, Turbo	2	L3	89-91	1
61 993cc (1.0).....	Suzuki G10	6	L3	89-97	1
79 1295cc (1.3).....	Suzuki G13BA	9	L4	95-97	2
92 1471cc (1.5).....	Isuzu 4XC1	7	L4	89-89	3
92 1471cc (1.5).....	Isuzu 4XC1T, Turbo	9	L4	89-89	3
1588cc (1.6).....	Storm (4XE1)	RF77	L4	90-93	5
1588cc (1.6).....	Storm GSi (4XE1)	RT77	L4	90-91	5
98 1588cc (1.6).....	(Toyota 4AGE - Prizm)	5	L4	90-92	4
98 1588cc (1.6).....	(Toyota 4AFE - Prizm)	6	L4	89-97	4
98 1588cc (1.6).....	Suzuki G16KC/KV	U	L4	89-97	6
110 1788cc (1.8)...	(Toyota 7AFE)	8	L4	93-97	7

GEO MODEL INDEX

Model	CID	cc	Liter	Description	Years
METRO	61	993	1.0	Suzuki G10	89-97
	79	1295	1.3	Suzuki G13BA	95
METRO - LSI	61	993	1.0	Suzuki G10	89-96
	79	1295	1.3	Suzuki G13BA	95-97
METRO - XFI	61	993	1.0	Suzuki G10	90-94
PRIZM	98	1588	1.6	(Toyota 4AFE - Prizm)	89-97
	110	1788	1.8	(Toyota 7AFE)	93-96
PRIZM - GSI	98	1588	1.6	(Toyota 4AGE - Prizm)	90-92
PRIZM - LSI	98	1588	1.6	(Toyota 4AFE - Prizm)	90-97
PRIZM - LSI	110	1788	1.8	(Toyota 7AFE)	93-97
SPECTRUM	92	1471	1.5	Isuzu 4XC1	89
	92	1471	1.5	Isuzu 4XC1T	89
STORM	98	1588	1.6	(Toyota 4AFE - Prizm)	90-93
STORM - 2+2	98	1588	1.6	(Toyota 4AFE - Prizm)	90-93
STORM - GSI	98	1588	1.6	(Toyota 4AGE - Prizm)	90-91
	110	1788	1.8	(Toyota 7AFE)	93
TRACKER	98	1588	1.6	(Toyota 4AFE - Prizm)	94-97
	98	1588	1.6	Suzuki G16KC/KV	89-95

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**1**
61 993cc (1.0) Suzuki G10T Turbo			**2**	**L3**	**74mm x 77mm**	**Connecting Rod 24-27 ft.lbs/33-37 Nm**			
61 993cc (1.0) Suzuki G10			**6**	**L3**	**74mm x 77mm**	**Main Bearing 36-41 ft.lbs/49-55 Nm**			
Rod									
	41.983/1.6529 41.999/1.6535	44.998/1.7716 45.018/1.7724	1.490/0.0587	.020/.0008 .068/.0027	18.00/0.709	F780	6	8336 IH	**3B8336** Std. .25 .50 .75 1.0
Main									
1-4	44.983/1.7710 44.998/1.7716	48.998/1.9291 49.018/1.9298	2.000/0.0787	.020/.0008 .068/.0027	18.00/0.709	F780	8	8337 U/L	**4M8337** Std. .25 .50 .75 1.0
Thrust									
	52.250/2.0571 (Nominal I.D.)	67.900/2.6732 (Nominal O.D.)			2.52/0.099	F250	2	8337T IH	**1T8337** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 4M8337 main set.									
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**2**
79 1295cc (1.3) Suzuki G13BA			**9**	**L4**	**74mm x 77mm**	**Connecting Rod 24-27 ft.lbs/33-37 Nm** **Main Bearing 36-41 ft.lbs/49-55 Nm**			
Rod									
	41.984/1.6529 41.999/1.6535	44.998/1.7716 45.018/1.7724	1.490/0.0587	.020/.0008 .068/.0027	18.00/0.709	F780	8	8336 IH	**4B8336** Std. .25 .50 .75 1.0
Main									
1-5	44.983/1.7710 44.998/1.7716	48.998/1.9291 49.018/1.9298	2.000/0.0787	.020/.0008 .068/.0027	18.00/0.709	F780	10	8337 U/L	**5M8337** Std. .25 .50 .75 1.0
Thrust									
	52.250/2.0571 (Nominal I.D.)	67.900/2.6732 (Nominal O.D.)			2.52/0.099	F250	2	8337T IH	**1T8337** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M8337 main set.									
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**3**
92 1471cc (1.5) Isuzu 4XC1			**7**	**L4**	**77mm x 79mm**	**Connecting Rod 24-27 ft.lbs/33-37 Nm**			
92 1471cc (1.5) Isuzu 4XC1T Turbo			**9**	**L4**	**77mm x 79mm**	**Main Bearing 61-69 ft.lbs/83-93 Nm**			
Rod									
	39.929/1.5720 39.945/1.5726	42.980/1.6921 43.000/1.6929	1.506/0.0593		17.00/0.669	F780	8	1870 IH	**4B1870** Std. .25 .50 .75

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 (Cont'd.)									
	Main								
5M1869 Std. .25 .50 .75	1-5	47.918/1.8865 47.938/1.8873	51.976/2.0463 52.000/2.0472	2.010/0.0791	.018/.0007 .089/.0035	17.00/0.669	F780	10	1869 U/L
	Thrust								
1T1869 Std.	3	54.700/2.1535 54.900/2.1614	69.700/2.7441 69.900/2.7520			2.20/0.087	F250	2	1869T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 5M1869 main set.								
4 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
98 1588cc (1.6) (Toyota 4AGE - Prizm)		**5**	**L4**	**81mm x 77mm**	**Connecting Rod 36 ft.lbs/49 Nm Main Bearing 44 ft.lbs/60 Nm**				
98 1588cc (1.6) (Toyota 4AFE - Prizm)		**6**	**L4**	**81mm x 77mm**					
	Rod - for type 6 only.								
4B1710 Std. .25 .50 .75 1.0		39.985/1.5742 40.000/1.5748	43.000/1.6929 43.024/1.6939	1.498/0.0590	.005/.0002 .069/.0027	17.09/0.673	F810	8	1710A IH
	Rod - for type 5 only.								
4B1780 Std. .25 .50 .75 1.0		41.986/1.6530 42.000/1.6535	45.001/1.7717 45.024/1.7726	1.490/0.0587	.020/.0008 .084/.0033	17.09/0.673	F780	8	1780 IH
	Main								
5M1695 Std. .25 .50 .75 1.0	1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .084/.0033	19.90/0.783	F810	5	1695A L
	1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .084/.0033	19.90/0.783	F810	5	1704A U
	Thrust								
2T1695 Std.	3	53.500/2.1063 53.750/2.1161	65.750/2.5886 66.000/2.5984			2.49/0.098	F861	4	1695T U/L
	Note: Set includes four pieces, use on No. 3 position. Required with 5M1695 main set.								
5 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
1588cc (1.6) Storm (4XE1)		**RF77**	**L4**	**80mm x 79mm**	**Connecting Rod 24-27 ft.lbs/33-37 Nm**				
1588cc (1.6) Storm GSi (4XE1)		**RT77**	**L4**	**80mm x 79mm**	**Main Bearing 61-69 ft.lbs/83-95 Nm**				
	Rod								
4B1870 Std. .25 .50 .75		39.929/1.5720 39.945/1.5726	42.980/1.6921 43.000/1.6929	1.506/0.0593		17.00/0.669	F780	8	1870 IH
	Main - for engines 6/90-1993 (2.044" shaft size).								
5M1867 Std. .25 .50	1,2,3,4, 5	51.915/2.0439 51.938/2.0448	55.976/2.2038 55.989/2.2043	2.009/0.0791	.020/.0008 .082/.0032	17.13/0.674	F780	10	1867 U/L
	Main - for engines 1990-5/90.								
5M1869 Std. .25 .50 .75	1-5	47.918/1.8865 47.938/1.8873	51.976/2.0463 52.000/2.0472	2.010/0.0791	.018/.0007 .089/.0035	17.00/0.669	F780	10	1869 U/L
	Thrust								
1T1867 Std.	3	59.000/2.3228 59.000/2.3228	73.596/2.8975 73.850/2.9075			2.21/0.087	F817	2	1867T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 5M1867 main set.								
	Thrust								
1T1869 Std.	3	54.700/2.1535 54.900/2.1614	69.700/2.7441 69.900/2.7520			2.20/0.087	F250	2	1869T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 5M1869 main set.								
6 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
98 1588cc (1.6) Suzuki G16KC/KV		**U**	**L4**	**75mm x 90mm**	**Connecting Rod 24-27 Ft.lbs/33-37 Nm Main Bearing 37-41 ft.lbs/50-55 Nm**				
	Rod								
4B8340 Std. .25 .50 .75 1.0		43.983/1.7316 44.000/1.7323	47.000/1.8504 47.020/1.8512	1.495/0.0589	.010/.0004 .076/.0030	18.10/0.713	F780	8	8340 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 6
Main									
1-5	51.982/2.0465 52.000/2.0472	56.000/2.2047 56.018/2.2054	2.005/0.0789	.010/.0004 .072/.0028	18.10/0.713	F780	10	8339 U/L	**5M8339** Std. .25 .50 .75 1.0
Thrust									
3	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.52/0.099	F817	2	8339T IH	**1T8339** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M8339 main set.									

ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**	7
110 1788cc (1.8) (Toyota 7AFE)	**8**	**L4**	**81mm x 85.5mm**	**Connecting Rod 29-36 ft.lbs/39-49 Nm** **Main Bearing 52-63 ft.lbs/71-85 Nm**	

Rod									
	47.988/1.8893 48.000/1.8898	51.000/2.0079 51.024/2.0088	1.490/0.0587	.020/.0008 .082/.0032	17.10/0.673	F780	8	1680 IH	**4B1680** Std. .25 .50 .75 1.0
Main - Half groove									
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .084/.0033	19.90/0.783	F810	5	1695A L	**5M1695** Std. .25 .50 .75 1.0
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .084/.0033	19.90/0.783	F810	5	1704A U	
Thrust									
3	53.500/2.1063 53.750/2.1161	65.750/2.5886 66.000/2.5984			2.49/0.098	F861	4	1695T U/L	**2T1695** Std.
Note: Set includes four pieces, use on No. 3 position. Required with 5M1695 main sets.									

GMC ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
119 (1.9)	Isuzu G200Z, OHC	A	L4	82-85	1
122 (2.0)	OHV	Y	L4	83-84	2
134 (2.2)	OHV	4	L4	94-00	3
134 (2.2)	OHV	5	L4	00-02	3
134 (2.2)	OHV	H	L4	03-03	3
134 (2.2)	Isuzu C223,Diesel	S	L4	84-85	4
151 2474cc (2.5)	Pontiac Eng.	A	L4	91-93	5
151 2474cc (2.5)	Pontiac Eng.	E	L4	85-91	5
153 (2.5)			L4	63-65	6
169 2770cc (2.8)		8	L4	04-06	7
173 (2.8)		B	V6	82-85	8
173 (2.8)		R	V6	86-93	8
200 (3.3)		M	V6	78-79	9
211 3460cc (3.5)		6	L5	04-06	10
229 (3.8)		9	V6	83-84	9
229 (3.8)		K	V6	80-82	9
230 (3.8)			L6	63-67	11
230 (3.8)		S	L6	68-69	11
231 (3.8)	Buick Eng.	2	V6	79-79	12
231 (3.8)	Buick Eng.	A	V6	78-84	12
250 (4.1)			L6	66-67	11
250 (4.1)		C	L6	71-72	11
250 (4.1)		D	L6	72-84	11
250 (4.1)		L	L6	71-72	11
250 (4.1)		N	L6	70-70	11
250 (4.1)		P	L6	68-69	11
250 (4.1)		Q	L6	73-75	11
256 (4.2)		S	L6	02-05	13
262 (4.3)		B	V6	90-91	14
262 (4.3)		N	V6	85-86	14
262 (4.3)		W	V6	92-02	14
262 (4.3)		X	V6	96-06	14
262 (4.3)		Z	V6	85-96	14
262 (4.3)	Turbo	Z	V6	91-93	14
267 (4.4)		J	V8	80-82	15
283			V8	67-67	16
292 (4.8)			L6	66-67	17
292 (4.8)		S	L6	68-72	17
292 (4.8)		S	L6	74-74	17
292 (4.8)		T	L6	73-89	17
294 (4.8)		V	V8	99-05	18
305 (5.0)	(305C)		V6	60-67	19
305 (5.0)		F	V8	81-86	15
305 (5.0)		G	V8	80-81	15
305 (5.0)		H	V8	79-95	15
305 (5.0)		M	V8	96-00	15
305 (5.0)		Q	V8	76-76	15
305 (5.0)		U	V8	77-79	15
307 (5.0)		A	V8	70-70	15
307 (5.0)		B	V8	70-70	15
307 (5.0)		E	V8	68-69	15
307 (5.0)		F	V8	72-73	15
307 (5.0)		H	V8	71-71	15
307 (5.0)		P	V8	71-71	15
307 (5.0)		X	V8	73-73	15
323 (5.3)		B	V8	05-05	18
323 (5.3)		M	V8	05-05	18
323 (5.3)		P	V8	03-04	18
323 (5.3)		T	V8	99-05	18
323 (5.3)		Z	V8	02-05	18
325 (5.3)		B	V8	06-06	18
325 (5.3)		M	V8	06-06	18
325 (5.3)		T	V8	06-06	18
325 5328cc (5.3)	(L59)	Z	V8	05-06	18
327 (5.4)			V8	67-67	16
327 (5.4)		E	V8	68-68	15
350 (5.7)		B	V8	71-71	15
350 (5.7)		E	V8	69-84	15
350 (5.7)		H	V8	72-75	15
350 (5.7)		J	V8	72-72	15
350 (5.7)		K	V8	73-96	15
350 (5.7)		K	V8	82-82	15
350 (5.7)		L	V8	74-86	15
350 (5.7)		M	V8	79-88	15
350 (5.7)	Oldsmobile Eng.,Diesel	N	V8	83-84	20
350 (5.7)		P	V8	80-88	15
350 (5.7)		R	V8	96-02	15
350 (5.7)		V	V8	74-76	15
350 (5.7)		W	V8	74-74	15
350 (5.7)		Y	V8	73-75	15
350 (5.7)	Oldsmobile Eng.,Diesel	Z	V8	78-81	20
351 (5.8)	(D351),Diesel		V6	64-67	19
351 (5.8)	(351C/E/M)		V6	60-73	19
364 (6.0)		N	V8	05-06	18
364 (6.0)		U	V8	99-06	18
379			V6	73-74	19
379 (6.2)	Diesel	C	V8	82-93	21
379 (6.2)	Diesel	J	V8	82-93	21
395 (6.5)	Turbo,Diesel	F	V8	92-02	21
395 (6.5)	Diesel	P	V8	94-95	21
395 (6.5)	Turbo,Diesel	S	V8	94-99	21
395 (6.5)	Diesel	Y	V8	94-99	21
395 (6.5)	(L65), Turbo,Diesel	F	V8	99-02	21
396 (6.5)		E	V8	68-69	22
396 (6.5)		Y	V8	68-68	22
400 (6.6)		M	V8	75-75	23
400 (6.6)		R	V8	74-80	23
400 (6.6)		U	V8	76-76	23
400 (6.6)		X	V8	80-80	23
401	(401M)		V6	60-73	19
402 (6.6)			V8	71-72	22
402 (6.6)		E	V8	70-72	22
402 (6.6)		K	V8	71-71	22
402 (6.6)		U	V8	72-75	22
432			V6	73-74	19
454 (7.4)		B	V8	98-99	22
454 (7.4)		E	V8	70-71	22
454 (7.4)		J	V8	96-00	22
454 (7.4)		L	V8	74-75	22
454 (7.4)		N	V8	87-97	22
454 (7.4)		S	V8	76-80	22
454 (7.4)		W	V8	72-89	22
454 (7.4)		Y	V8	73-77	22
454 (7.4)		Z	V8	73-75	22
478	(D478/DH478),Diesel		V6	64-74	19
478	(478M)		V6	62-74	19
496 (8.1)		G	V8	01-06	24
500 (8.2)	Detroit Diesel (Fuel Pincher),Diesel		V8	79-91	25
500 (8.2)	Detroit Diesel (Fuel Pincher), Turbo,Diesel		V8	79-91	25
637	D637 / DH637,Diesel		V8	66-73	26
637	Gas		V8	66-73	26

GMC MODEL INDEX

Model	CID	cc	Liter	Description	Years
	283				67
	350		5.7		82-88
1000 SERIES	230		3.8		64-65
	305		5.0	(305C)	61-65
1500 SERIES	230		3.8		64-65
	305		5.0	(305C)	61-65
2500 SERIES	305		5.0	(305C)	61-63
C15/C1500 PICKUP	230		3.8		66
	250		4.1		66-84
	292		4.8		66-80
	262		4.3		85-86
C15/C1500 PICKUP	305		5.0	(305C)	66-67
	305		5.0		76-86
	307		5.0		68-73
	327		5.4		67-68
	350		5.7		69-86
	350		5.7	Oldsmobile Eng.	78-81
	379		6.2		82-86
	396		6.5		68-69
	400		6.6		76-80
	402		6.6		70-72
	454		7.4		73-80

GMC MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
C15/C1500 PICKUP - BIG TEN	250		4.1		77-80
	292		4.8		78-80
	305		5.0		78-80
	350		5.7		77-80
	400		6.6		80
	454		7.4		77-80
C15/C1500 SUBURBAN	250		4.1		68-80
	292		4.8		68-74
	305		5.0		76-86
	307		5.0		68-73
	350		5.7		69-86
	350		5.7	Oldsmobile Eng.	78-81
	379		6.2		82-86
	396		6.5		68-69
	402		6.6		70-72
	454		7.4		73-80
C1500 PICKUP	262		4.3		88-98
	305		5.0		88-99
	350		5.7		88-99
	379		6.2		88
	395		6.5		98
C1500 PICKUP - SIERRA	262		4.3		89-97
	305		5.0		89-97
	350		5.7		89-97
	379		6.2		89-93
	395		6.5		94-97
C1500 PICKUP - SIERRA XC	262		4.3		89-97
	305		5.0		89-97
	350		5.7		89-97
	379		6.2		89-93
	395		6.5		94-97
C1500 SUBURBAN	350		5.7		92-99
	395		6.5		94-99
C25/C2500 PICKUP	230		3.8		66
	250		4.1		66-84
	292		4.8		66-86
	262		4.3		85-86
	305		5.0	(305C)	66-67
	305		5.0		77-86
	307		5.0		68-73
	327		5.4		67-68
	350		5.7		69-86
	379		6.2		82-86
	396		6.5		68-69
	400		6.6		76-79
	402		6.6		70-72
	454		7.4		73-86
C25/C2500 SUBURBAN	250		4.1		68-74
	292		4.8		68-86
	305		5.0		77-86
	307		5.0		68-73
	327		5.4		68
	350		5.7		69-86
	350		5.7	Oldsmobile Eng.	80
	379		6.2		82-86
	396		6.5		68
	400		6.6		78-80
	402		6.6		70-72
	454		7.4		74-86
C2500 PICKUP	262		4.3		88
	305		5.0		88-99
	350		5.7		88-00
	379		6.2		88
	395		6.5		99-00
	454		7.4		99-00
C2500 PICKUP - SIERRA	262		4.3		89-95
	305		5.0		89-97
	350		5.7		89-98
	379		6.2		89-93
	395		6.5		92-98
	454		7.4		91-98
C2500 PICKUP - SIERRA XC	262		4.3		89-93

Model	CID	cc	Liter	Description	Years
C2500 PICKUP - SIERRA XC	305		5.0		89-97
	350		5.7		89-98
	379		6.2		89-93
	395		6.5		93-98
	454		7.4		91-98
C2500 SUBURBAN	350		5.7		92-99
	379		6.2		93
	395		6.5		93-99
	454		7.4		92-99
C35/C3500 PICKUP	250		4.1		67-80
	292		4.8		67-86
	305		5.0		78-86
	307		5.0		68-73
	327		5.4		67-68
	350		5.7		69-86
	379		6.2		82-86
	396		6.5		68-69
	400		6.6		76-79
	402		6.6		70-72
	454		7.4		73-86
C3500 PICKUP	350		5.7		88-00
	379		6.2		88
	395		6.5		98-00
	454		7.4		88-00
C3500 PICKUP - HD CHASSIS CAB	395		6.5		01-02
	496		8.1		01-02
C3500 PICKUP - SIERRA	350		5.7		89-97
	379		6.2		89-93
	395		6.5		92-97
	454		7.4		89-97
C3500 PICKUP - SIERRA XC	350		5.7		89-97
	379		6.2		89-93
	395		6.5		92-97
	454		7.4		89-97
CABALLERO	200		3.3		78-79
	229		3.8		80-84
	231		3.8	Buick Eng.	78-84
	262		4.3		85-87
	267		4.4		80-82
	305		5.0		78-87
	350		5.7		78-79
	350		5.7	Oldsmobile Eng.	83-84
CANYON	169	2770	2.8		04
	211	3460	3.5		04
CANYON - SL	169	2770	2.8		06
CANYON - SLE	169	2770	2.8		06
	211	3460	3.5		06
CANYON - SLT	211	3460	3.5		06
CANYON - WT	169	2770	2.8		06
	211	3460	3.5		06
CANYON - Z71 FLEET	169	2770	2.8		05
	211	3460	3.5		05
CANYON - Z71 SL	169	2770	2.8		05
	211	3460	3.5		05
CANYON - Z71 SLE	169	2770	2.8		05
	211	3460	3.5		05
CANYON - Z85 SL	169	2770	2.8		05
	211	3460	3.5		05
CANYON - Z85 SLE	169	2770	2.8		05
	211	3460	3.5		05
ENVOY	256		4.2		02-04
ENVOY - DENALI	323		5.3		05
	325		5.3		06
ENVOY - SLE	256		4.2		05
ENVOY - SLT	256		4.2		05
ENVOY - XL	256		4.2		02-04
	323		5.3		03-04
ENVOY - XL DENALI	323		5.3		05
	325		5.3		06
ENVOY - XL SLE	256		4.2		05
	323		5.3		05
ENVOY - XL SLT	256		4.2		05
	323		5.3		05
ENVOY - XUV	256		4.2		04
	323		5.3		04

ACL Engine Bearings

GMC MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
ENVOY - XUV SLE	256		4.2		05
	323		5.3		05
ENVOY - XUV SLT	256		4.2		05
	323		5.3		05
G1000 SERIES	230		3.8		64-66
G15/G1500 VAN	230		3.8		67
	250		4.1		67-83
	262		4.3		98
	305		5.0		83-98
	307		5.0		70-71
	327		5.4		67
	350		5.7		71-98
G15/G1500 VAN - RALLY	230		3.8		68-69
	250		4.1		68-84
	262		4.3		85-93
	305		5.0		77-93
	307		5.0		68-73
	350		5.7		72-93
	400		6.6		79
	454		7.4		79
G15/G1500 VAN - SAVANA	262		4.3		96-97
	305		5.0		96-97
	350		5.7		96-97
G15/G1500 VAN - VANDURA	230		3.8		68-69
	250		4.1		68-84
	262		4.3		85-95
	305		5.0		77-95
	307		5.0		68-73
	350		5.7		72-94
	400		6.6		76
G25/G2500 VAN	230		3.8		67
	250		4.1		67
	262		4.3		98
	305		5.0		98
	307		5.0		70-72
	327		5.4		67
	350		5.7		71-98
	395		6.5		98
G25/G2500 VAN - CARGO	395		6.5		97
G25/G2500 VAN - RALLY	230		3.8		68-69
	250		4.1		68-84
	292		4.8		74-78
	262		4.3		85-95
	305		5.0		77-95
	307		5.0		68-73
	350		5.7		71-95
	379		6.2		83-93
	395		6.5		94-95
	400		6.6		75-80
	454		7.4		75-76
G25/G2500 VAN - SAVANA	305		5.0		96-97
	350		5.7		96-97
	395		6.5		96
G25/G2500 VAN - VANDURA	230		3.8		68-69
	250		4.1		68-84
	292		4.8		74-78
	262		4.3		85-95
	305		5.0		77-95
	307		5.0		68-73
	350		5.7		70-95
	379		6.2		83-93
	395		6.5		94-95
	400		6.6		75-80
G25/G2500 VAN - XT	395		6.5		97
G35/G3500 VAN	292		4.8		74-78
	262		4.3		94-96
	327		5.4		67
	350		5.7		71-98
	379		6.2		83-93
	395		6.5		94-98
	400		6.6		76-80
	454		7.4		76-98
G35/G3500 VAN - RALLY	250		4.1		71-74
	292		4.8		76-78
	262		4.3		95-96
	350		5.7		71-96
	379		6.2		83-93
	395		6.5		94-96
	400		6.6		75-80
	454		7.4		89-96
G35/G3500 VAN - SAVANA	262		4.3		96
	350		5.7		96-97
	395		6.5		96-97
	454		7.4		96-97
G35/G3500 VAN - SPECIAL	262		4.3		96
	350		5.7		96
	395		6.5		96
	454		7.4		96
G35/G3500 VAN - VANDURA	250		4.1		71-84
	292		4.8		76-78
	262		4.3		85-96
	305		5.0		81
	350		5.7		71-96
	379		6.2		83-93
	395		6.5		94-96
	400		6.6		75-80
	454		7.4		89-96
JIMMY	250		4.1		70-82
	292		4.8		73
	262		4.3		95-01
	305		5.0		77-87
	307		5.0		70-72
	350		5.7		70-91
	379		6.2		82-91
	400		6.6		75-79
	454		7.4		73-76
JIMMY - ENVOY	262		4.3		98-01
K15/K1500 PICKUP	230		3.8		66-69
	250		4.1		66-84
	292		4.8		66-80
	262		4.3		85-86
	305		5.0		76-86
	307		5.0		68-70
	327		5.4		67-68
	350		5.7		69-86
	379		6.2		82-86
	396		6.5		68-69
	400		6.6		75-80
	454		7.4		76-80
K15/K1500 SUBURBAN	250		4.1		68-80
	292		4.8		68
	305		5.0		76-85
	307		5.0		68-73
	327		5.4		68
	350		5.7		69-86
	379		6.2		82-86
	396		6.5		68
	400		6.6		75-79
	402		6.6		70-72
K1500 PICKUP	262		4.3		88
	305		5.0		88-99
	350		5.7		88-99
	379		6.2		88
K1500 PICKUP - SIERRA	262		4.3		89-98
	305		5.0		89-98
	350		5.7		89-98
	379		6.2		89-93
	395		6.5		94-98
K1500 PICKUP - SIERRA XC	262		4.3		89-98
	305		5.0		89-98
	350		5.7		89-98
	379		6.2		89-93
	395		6.5		94-98
K1500 SUBURBAN	350		5.7		92-99
	395		6.5		94-99

GMC MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
K25/K2500 PICKUP	250		4.1		67-80
	292		4.8		67-86
	262		4.3		85
	305		5.0		77-78
	307		5.0		68-70
	327		5.4		67-68
	350		5.7		69-86
	379		6.2		82-86
	396		6.5		68-69
	400		6.6		75-80
	454		7.4		73-78
K25/K2500 SUBURBAN	250		4.1		68-74
	292		4.8		68-86
	305		5.0		77-78
	307		5.0		68-73
	327		5.4		68
	350		5.7		69-86
	379		6.2		82-86
	396		6.5		68
	400		6.6		75-80
	454		7.4		77
K2500 PICKUP	262		4.3		88
	305		5.0		88-99
	350		5.7		88-00
	379		6.2		88
	395		6.5		98-00
	454		7.4		98-00
K2500 PICKUP - SIERRA	262		4.3		89-95
	305		5.0		89-95
	350		5.7		89-97
	379		6.2		89-93
	395		6.5		92-97
	454		7.4		91-97
K2500 PICKUP - SIERRA XC	262		4.3		89-93
	305		5.0		89-95
	350		5.7		89-97
	379		6.2		89-93
	395		6.5		92-97
	454		7.4		91-97
K2500 SUBURBAN	350		5.7		92-99
	395		6.5		94-99
	454		7.4		92-99
K35/K3500 PICKUP	250		4.1		68-74
	292		4.8		68-86
	307		5.0		68-73
	327		5.4		67-68
	350		5.7		69-86
	379		6.2		82-86
	396		6.5		68-69
	400		6.6		77-80
	402		6.6		70-71
	454		7.4		73-86
K3500 PICKUP	350		5.7		88-00
	379		6.2		88
	395		6.5		98-00
	454		7.4		88-00
K3500 PICKUP - SIERRA	350		5.7		89-97
	379		6.2		89-93
	395		6.5		92-97
	454		7.4		89-97
K3500 PICKUP - SIERRA XC	350		5.7		89-97
	379		6.2		89-93
	395		6.5		93-97
	454		7.4		89-97
P15/P1500 VAN	230		3.8		67-69
	250		4.1		68-74
	292		4.8		67-80
	454		7.4		79
P25/P2500 VAN	250		4.1		66-74
	292		4.8		67-89
	307		5.0		68-69
	350		5.7		70-89
	379		6.2		82-89
	454		7.4		70-71
P35/P3500 VAN	250		4.1		66-74
P35/P3500 VAN	292		4.8		67-89
	262		4.3		90-99
	307		5.0		68-69
	350		5.7		70-99
	379		6.2		82-93
	395		6.5		94-99
	454		7.4		70-99
P35/P3500 VAN - MOTOR HOME	454		7.4		74
PB1000 SERIES	153		2.5		63-65
	230		3.8		63
PB15 SERIES	230		3.8		66
	250		4.1		66
	292		4.8		66
PB25 SERIES	230		3.8		66
	250		4.1		66
	292		4.8		66
PB2500 SERIES	230		3.8		63
R1500 PICKUP	262		4.3		87
	305		5.0		87
	350		5.7		87
	379		6.2		87
R1500 SUBURBAN	305		5.0		87
	350		5.7		87-91
	379		6.2		87-91
R2500 PICKUP	292		4.8		87-88
	262		4.3		87
	305		5.0		87
	350		5.7		87-89
	379		6.2		87-89
	454		7.4		87-89
R2500 SUBURBAN	350		5.7		87-91
	379		6.2		87-91
	454		7.4		87-91
R3500 PICKUP	292		4.8		87-88
	350		5.7		87-91
	379		6.2		87-91
	454		7.4		87-91
S15 JIMMY	119		1.9	Isuzu G200Z, OHC	83-84
	122		2.0	OHV	83-84
	151	2474	2.5	Pontiac Eng.	85-88
	173		2.8		83-89
	262		4.3		88-94
S15 PICKUP	119		1.9	Isuzu G200Z, OHC	82-85
	122		2.0	OHV	83-84
	134		2.2	Isuzu C223	84-85
	151	2474	2.5	Pontiac Eng.	85-90
	173		2.8		82-90
	262		4.3		88-90
SAFARI	151	2474	2.5	Pontiac Eng.	85-90
	262		4.3		85-05
SAFARI - XT	262		4.3		90-97
SAVANA 1500	262		4.3		99-06
	305		5.0		99-00
	323		5.3		03-05
	325		5.3		06
	350		5.7		99-02
SAVANA 1500 - LS	262		4.3		06
	325		5.3		06
SAVANA 1500 - LT	262		4.3		06
	325		5.3		06
SAVANA 2500	262		4.3		99-05
	294		4.8		03-05
	305		5.0		99-00
	323		5.3		03-05
	350		5.7		99-02
	364		6.0		03-06
	395		6.5		99-02
SAVANA 3500	350		5.7		99-02
	364		6.0		03-06
	395		6.5		99-02
	454		7.4		99-00
	496		8.1		01-02
SAVANA 3500 - LS	364		6.0		06
SAVANA 3500 - LT	364		6.0		06
SIERRA 1500	262		4.3		99-05
	294		4.8		99-05
	323		5.3		99-05
SIERRA 1500 - SL	262		4.3		06

GMC MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
SIERRA 1500 - SL	325		5.3		06
	325	5328	5.3		06
SIERRA 1500 - SLE	325		5.3		06
	325	5328	5.3		06
	364		6.0		06
SIERRA 1500 - SLT	325		5.3		06
	364		6.0		06
SIERRA 1500 - WT	262		4.3		06
	325		5.3		06
	325	5328	5.3		06
SIERRA 1500 HD	364		6.0		01-03
SIERRA 1500 HD - SLE	364		6.0		05-06
SIERRA 1500 HD - SLT	364		6.0		05-06
SIERRA 2500	323		5.3		99-00
	364		6.0		99-04
SIERRA 2500 HD	364		6.0		01-05
	496		8.1		01-05
SIERRA 2500 HD - SL	364		6.0		06
	496		8.1		06
SIERRA 2500 HD - SLE	364		6.0		06
	496		8.1		06
SIERRA 2500 HD - SLT	364		6.0		06
	496		8.1		06
SIERRA 2500 HD - WT	364		6.0		06
	496		8.1		06
SIERRA 3500	364		6.0		01-05
	496		8.1		01-05
SIERRA 3500 - SL	364		6.0		06
	496		8.1		06
SIERRA 3500 - SLE	364		6.0		06
	496		8.1		06
SIERRA 3500 - SLT	364		6.0		06
	496		8.1		06
SIERRA 3500 - WT	364		6.0		06
	496		8.1		06
SIERRA C3	364		6.0		01
SIERRA DENALI	364		6.0		02-06
SONOMA	134		2.2	OHV	94-03
	151	2474	2.5	Pontiac Eng.	91-93
	173		2.8		91-93
	262		4.3		91-04
SONOMA - GT	173		2.8		92
	262		4.3		92
SPRINT	250		4.1		72-77
	305		5.0		76-77
	307		5.0		73
	350		5.7		72-77
	400		6.6		76
	402		6.6		71-75
	454		7.4		73-74
SPRINT - CUSTOM	250		4.1		72-77
	305		5.0		76-77
	350		5.7		72-77
	400		6.6		74-76
	402		6.6		74-75
	454		7.4		72-75
SUBURBAN	153		2.5		63
	230		3.8		63-67
	250		4.1		66-67
SUBURBAN	292		4.8		66-67
	305		5.0	(305C)	66-67
	327		5.4		67
SYCLONE	262		4.3		91
TRUCK	305		5.0	(305C)	60
TYPHOON	262		4.3		92-93
V1500 PICKUP	262		4.3		87
	305		5.0		87
	350		5.7		87
	379		6.2		87
V1500 SUBURBAN	350		5.7		87-91
	379		6.2		87-91
V2500 PICKUP	292		4.8		87
	350		5.7		87
	379		6.2		87
V2500 SUBURBAN	350		5.7		87-91
	379		6.2		87-91
V3000 FORWARD CONTROL	305		5.0	(305C)	61-62
V3500 PICKUP	292		4.8		87-88
	350		5.7		87-91
	379		6.2		87-91
	454		7.4		87-91
YUKON	294		4.8		00-04
	323		5.3		00-04
	350		5.7		92-00
	395		6.5		94-99
YUKON - DENALI	350		5.7		99-00
	364		6.0		01-04
YUKON - DENALI XL	364		6.0		01-04
YUKON - SL	325		5.3		06
	325	5328	5.3		06
YUKON - SLE	294		4.8		05
	323		5.3		05
	325		5.3		06
	325	5328	5.3		05-06
YUKON - SLT	294		4.8		05
	323		5.3		05
	325		5.3		06
	325	5328	5.3		05-06
YUKON DENALI	364		6.0		05-06
YUKON DENALI XL	364		6.0		05-06
YUKON XL 1500	323		5.3		00-04
YUKON XL 1500 - SL	325	5328	5.3		06
YUKON XL 1500 - SLE	323		5.3		05
	325	5328	5.3		06
YUKON XL 1500 - SLT	323		5.3		05
	325	5328	5.3		06
YUKON XL 2500	323		5.3		00
	364		6.0		00-04
	496		8.1		01-04
YUKON XL 2500 - SLE	325	5328	5.3		06
	364		6.0		05-06
	496		8.1		05-06
YUKON XL 2500 - SLT	325	5328	5.3		06
	364		6.0		05-06
	496		8.1		05-06

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
119 (1.9) Isuzu G200Z, OHC			**A L4**	**87mm x 82mm**		**Connecting Rod 43 ft.lbs/58 Nm Main Bearing 72 ft.lbs/97 Nm**			
	Rod								
4B2821 Std. .25 .50 .75 1.0 1.25 1.50		48.925/1.9262 48.940/1.9268	51.987/2.0467 52.000/2.0472	1.513/0.0596	.021/.0008 .076/.0030	22.00/0.866	F810	8	2821A IH
	Main								
5M2817 Std. .25 .50 .75 1.0	1,3,5	55.920/2.2016 55.935/2.2022	58.980/2.3220 59.000/2.3228	1.513/0.0596	.019/.0007 .080/.0031	32.13/1.265	F780	6	2817 IH
	2,4	55.920/2.2016 55.935/2.2022	58.980/2.3220 59.000/2.3228	1.513/0.0596	.019/.0007 .080/.0031	21.08/0.830	F780	4	2818 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 1
Thrust									
3	62.610/2.4650 62.860/2.4748	79.950/3.1476 80.200/3.1575			2.36/0.093	F817	2	3286T IH	**1T3286** Std.
Note: Thrust set includes two pieces, use on No. 3 position. Required with 5M2817 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				2
122 (2.0) OHV		**Y**	**L4**	**3.50 x 3.15**	**Connecting Rod 34-43 ft.lbs/47-58 Nm Main Bearing 63-77 ft.lbs/85-105 Nm**				
Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH	**4B745P** Std. 01 10 20 30 40
Main									
1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH	**5M1567P** Std. .25 .50 .75 1.0
4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH	
5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1	**5C1195S** Std.
2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4	
3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				3
134 (2.2) OHV 134 (2.2) OHV 134 (2.2) OHV		**4 5 H**	**L4 L4 L4**	**3.50 x 3.46 3.50 x 3.46 3.50 x 3.46**	**Connecting Rod 38 ft.lbs/51 Nm Main Bearing 70 ft.lbs/95 Nm**				
Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH	**4B745P** Std. 01 10 20 30 40
Main - for Trucks (1994-97). (This set contains shells that have the same tang location for positions #1,2,3 & 5)									
1,2,3,5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	8	7123 IH	**5M7124P** Std. .25 .50 .75 1.0
4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH	
Overflange length remains constant for standard and undersizes.									
Main - for Trucks (1998 on). Different tang location for #3 position bearing.									
1,2,5	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.423/0.0954	.021/.0008 .097/.0038	18.72/0.737	F780	6	7123 IH	**5M7164P** Std. .25 .50 .75 1.0
3	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.423/0.0954	.021/.0008 .097/.0038	20.75/0.817	F780	2	7164 IH	
4 (FI)	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.423/0.0954	.021/.0008 .097/.0038	23.93/0.942	F780	2	7124 IH	
Overflange length remains constant for standard and undersizes.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 (Cont'd.)									
	Main - Alt set to 5M7164P with +0.010" overflange length increase. * See dimensional information below.								
5M7183P .25 .50 .75 1.0	1,2,5	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.548/0.1003 (@ 0.25 mm u/s)	.021/.0008 .097/.0038	18.72/0.737	F780	6	7123 IH
	3	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.548/0.1003 (@ 0.25 mm u/s)	.021/.0008 .097/.0038	20.75/0.817	F780	2	7164 IH
	4 (FI)	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.548/0.1003 (@ 0.25 mm u/s)	.021/.0008 .097/.0038	24.18/0.952	F780	2	7183 IH

*** DIMENSIONAL INFORMATION FOR 5M7183P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

	Cam								
5C1195S Std.	1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1
	2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4
	3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2

4 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
134 (2.2) Isuzu C223 Diesel	**S**	**L4**	**88mm x 92mm**	**Connecting Rod 58-65 ft. lbs/79-88 Nm** **Main Bearing 116-130 ft.lbs/158-177 Nm**

	Rod								
4B1320 Std. .25 .50 .75 1.0		52.918/2.0834 52.930/2.0839	55.980/2.2039 56.000/2.2047	1.513/0.0596	.020/.0008 .079/.0031	22.50/0.886	F780	8	1320 IH
	Main								
5M1188 Std. .25 .50 .75	1,5	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.017/0.0794	.013/.0005 .074/.0029	27.65/1.089	F780	4	1188 IH
	2,4	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.017/0.0794	.013/.0005 .074/.0029	23.13/0.911	F780	4	1194 IH
	3	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.017/0.0794	.013/.0005 .074/.0029	28.85/1.136	F780	2	1189 IH
	Thrust								
1T1192 Std.	3	72.260/2.8449 72.520/2.8551	86.610/3.4098 86.870/3.4201			2.49/0.098	F817	2	1192T IH
	Note: Thrust set includes two pieces, use on No. 3 position. Required with 5M1827 main sets.								
	Cam								
3C8127 Std.	1	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8127
	2	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8128
	3	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8129

5 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
151 2474cc (2.5) Pontiac Eng.	**A**	**L4**	**4.00 x 3.00**	**Connecting Rod 30 ft.lbs/41 Nm** (except crossflow)
151 2474cc (2.5) Pontiac Eng.	**E**	**L4**	**4.00 x 3.00**	**Connecting Rod 32 ft.lbs/44 Nm** (crossflow) **Main Bearing 65 ft.lbs/88 Nm** (except crossflow) **Main Bearing 70 ft.lbs/95 Nm** (crossflow)

	Rod - High Strength Aluminum Silicon material.								
4B610A Std. 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	8	2226A IH
	Rod - .002" oversize OD version of 4B610A.								
4B610AO/S2 10 20 30 40		50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 5
Rod - To be superceded by 4B610A when stock exhausted.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	8	2226 IH	**4B610P** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 4B610P. To be superceded by 4B610AO/S2 when stock exhausted.									
	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/s)	.015/.0006 .067/.0026	18.84/0.742	F780	8	9070 IH	**4B610PO/S2** 10 20 30 40
Main									
1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L	**5M1733P** Std. 01 10 20 30 40
5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L	
Overflange length remains constant for standard and undersizes.									
Main - Alt set to 5M1733P with +0.010" overflange length increase. * See below for dimensional information.									
1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L	**5M7152P** 10 20 30 40
5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.88/1.019	F780	2	7152 U/L	

*** DIMENSIONAL INFORMATION FOR 5M7152P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.019"	+0.010"
.020" u/s shaft	1.019"	+0.010"
.030" u/s shaft	1.019"	+0.010"
.040" u/s shaft	1.019"	+0.010"

Cam									
1,2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0644		21.97/0.865	F23	3	CH-5-3	**3C1030S** Std.
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**6**
153 (2.5)			**L4**	**3.88 x 3.25**	**Connecting Rod 30-35 ft.lbs/41-48 Nm Main Bearing 45-55 ft.lbs/61-75 Nm**				
Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH	**4B745P** Std. 01 10 20 30 40
Main									
1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L	**5M1733P** Std. 01 10 20 30 40
5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L	
Overflange length remains constant for standard and undersizes.									
Main - Alt set to 5M1733P with +0.010" overflange length increase. * See below for dimensional information.									
1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L	**5M7152P** 10 20 30 40
5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.88/1.019	F780	2	7152 U/L	

*** DIMENSIONAL INFORMATION FOR 5M7152P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.019"	+0.010"
.020" u/s shaft	1.019"	+0.010"
.030" u/s shaft	1.019"	+0.010"
.040" u/s shaft	1.019"	+0.010"

Cam									
3	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		21.97/0.865	F23	1	CH-5-2	**3C400S** Std.
1,2	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	2	CH-5-3	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
169 2770cc (2.8)			**8 L4**	**93mm x 102mm**		**Connecting Rod 18 ft.lbs + 110 deg** **Main Bearing 18 ft.lbs + 180 deg**			
	Rod								
4B2290A Std. .25 .50 .75		56.691/2.2319 56.707/2.2326	60.322/2.3749 60.338/2.3755	1.802/0.0709	.011/.0004 .059/.0023	20.75/0.817	F810	8	2290A IH
	Rod - .002" oversize back version of 4B2290A.								
4B2290AO/S2 .25 .50 .75 1.0		56.691/2.2319 56.707/2.2326	60.372/2.3768 60.388/2.3775	1.952/0.0769 (@ 0.25mm u/size)	.011/.0004 .059/.0023	20.75/0.817	F810	8	9102A IH
8 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
173 (2.8)			**B V6**	**3.50 x 2.99**		**Connecting Rod 34-40 ft.lbs/47-54 Nm**			
173 (2.8)			**R V6**	**3.50 x 2.99**		**Main Bearing 63-74 ft.lbs/85-101 Nm**			
	Rod - High Strength Aluminum Silicon material.								
6B1238A Std. 01 10 20 30 40		50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A
	Rod - .002" oversize OD version of 6B1238A.								
6B1238AO/S2 10 20 30 40		50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH
	Main - optional set to 4M1494P with +0.010" overflange increase. *See below for dimensional information.								
4M1493P 10 20 30 40	1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L
	2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L
	3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.18/0.952	F780	2	7129 U/L
	4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L

*** DIMENSIONAL INFORMATION FOR 4M1493P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	0.952"	+0.010"
.020" u/s shaft	0.952"	+0.010"
.030" u/s shaft	0.952"	+0.010"
.040" u/s shaft	0.952"	+0.010"

	Main - For 1982-85 engines with 63.3 mm small journal design.								
4M1494P Std. 10 20 30 40	1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L
	2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L
	3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	23.93/0.942	F780	2	7119 U/L
	4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - High Strength Aluminum Silicon material.								
4M2037A Std. .25 .50 .75 1.0	1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L
	2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L
	3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 8
Main - optional set to 4M2037P with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L	**4M7122P** .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L	

to be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

Cam									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102S** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	
Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102SW** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
200 (3.3)	**M**	**V6**	**3.50 x 3.48**	**Connecting Rod 45 ft.lbs/59 Nm**
229 (3.8)	**9**	**V6**	**3.74 x 3.48**	**Main Bearings 70 ft.lbs/95 Nm**
229 (3.8)	**K**	**V6**	**3.74 x 3.48**	

Rod									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	18.11/0.713	F780	12	7110 IH	**6B1227P** Std. 10 20 30 40
Main - High Strength Aluminum Silicon material.									
1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F810	6	2377A U/L	**4M1454A** Std. 01 10 20 30 40
4	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L	
Main									
1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L	**4M1454P** Std. 01 10 20 30 40
4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L	

Overflange length remains constant for standard and undersizes.

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
9 (Cont'd.)									
	Main - alternate set to 4M1454P with +0.020" overflange length increase. *See below for dimensional information.								
4M1628P 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (Fl)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1628P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"

	Main - alternate set to 4M1454P with +0.040" overflange length increase. *See below for dimensional information.								
4M1684P 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (Fl)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.65/1.758	F780	2	2355 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M1684P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

	Cam								
4C1089S Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1
	2,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		18.92/0.745	F23	2	CH-4-2
	3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	1	CH-4-3

10 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
211 3460cc (3.5)	**6**	**L5**	**93mm x 102mm**	**Connecting Rod 18 ft.lbs + 110 deg** **Main Bearing 18 ft.lbs + 180 deg**

	Rod								
5B2290A Std. .25 .50 .75		56.694/2.2320 56.707/2.2326	60.322/2.3749 60.338/2.3755	1.802/0.0709	.011/.0004 .059/.0023	20.75/0.817	F810	10	2290A IH
	Rod - .002" oversize back version of 5B2290A.								
5B2290AO/S2 .25 .50 .75 1.0		56.691/2.2319 56.707/2.2326	60.372/2.3768 60.388/2.3775	1.952/0.0769 (@ 0.25mm u/size)	.011/.0004 .059/.0023	20.75/0.817	F810	10	9102A IH

11 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
230 (3.8)		**L6**	**3.88 x 3.25**	**Connecting Rod 35-45 ft.lbs/48-61 Nm**
230 (3.8)	**S**	**L6**	**3.88 x 3.25**	**Main Bearing 60-70 ft.lbs/81-95 Nm**
250 (4.1)		**L6**	**3.88 x 3.53**	
250 (4.1)	**C**	**L6**	**3.88 x 3.53**	
250 (4.1)	**D**	**L6**	**3.88 x 3.53**	
250 (4.1)	**L**	**L6**	**3.88 x 3.53**	
250 (4.1)	**N**	**L6**	**3.88 x 3.53**	
250 (4.1)	**P**	**L6**	**3.88 x 3.53**	
250 (4.1)	**Q**	**L6**	**3.88 x 3.53**	

	Rod								
6B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	12	2370 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 11
Main									
1-6	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	12	7132 U/L	**7M617P** Std. 10 20 30 40
7 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L	
Overflange length remains constant for standard and undersizes.									
Cam - engines from 1963-1970.									
1,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		21.97/0.865	F23	2	CH-5-2	**4C399S** Std.
2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	2	CH-5-3	
Cam - engines from 1971 on.									
1,2,3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	4	CH-5-3	**4C718S** Std.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	12
231 (3.8) Buick Eng.	**2**	**V6**	**3.80 x 3.40**	**Connecting Rod 40 ft.lbs/54 Nm**	
231 (3.8) Buick Eng.	**A**	**V6**	**3.80 x 3.40**	**Main Bearing 110 ft.lbs/150 Nm**	

Rod - .660" wide bearing.									
	57.117/2.2487 57.137/2.2495	60.295/2.3738 60.312/2.3745	1.572/0.0619	.014/.0006 .077/.0030	16.76/0.660	F780	12	2360 IH	**6B1228P** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 6B1228P.									
	57.117/2.2487 57.137/2.2495	60.346/2.3758 60.363/2.3765	1.724/0.0679 (@ .010" u/s)	.005/.0002 .078/.0031	16.76/0.660	F780	12	9071 IH	**6B1228PO/S2** 10 20 30 40
Main - half groove, standard oil clearance - alternate to 4M960P with +0.020" overflange length increase. * See below for dimensional information.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1688P** 10 20 30
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.38/1.078	F780	2	9018 U/L	

to be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1688P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.078"	+0.020"
.020" u/s shaft	1.078"	+0.020"
.030" u/s shaft	1.078"	+0.020"

Main - half groove, standard oil clearance - alternate to 4M960P with +0.040" overflange length increase. * See below for dimensional information.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1690P** 20 30
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.89/1.098	F780	2	9024 U/L	

*** DIMENSIONAL INFORMATION FOR 4M1690P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.098"	+0.040"
.030" u/s shaft	1.098"	+0.040"

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
12 (Cont'd.)									
	Main - alternate set to 4M960P with +0.010" overflange length increase. *See below for dimensional information.								
4M1747P 10 20 40	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.13/1.068	F780	2	9020 U/L
	to be discontinued when stock exhausted.								
	*** DIMENSIONAL INFORMATION FOR 4M1747P**								
			Overall Width (Nominal)		**Increase in Width**				
	.010" u/s shaft		1.068"		+0.010"				
	.020" u/s shaft		1.068"		+0.010"				
	.040" u/s shaft		1.068"		+0.010"				
	Main - half groove, standard oil clearance. Set includes modified rear main bearing.								
4M960P Std. 01 10 20 30 40	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	26.87/1.058	F780	2	9017 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - grooved O/D on #1 bush - alt. set to 4C1031S.								
4C1031BS Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1B
	2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2
	Cam								
4C1031S Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1
	2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2
13 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
256 (4.2)		**S**	**L6**	**93mm x 102mm**	**Connecting Rod 18 ft.lbs + 110 deg Main Bearing 18 ft.lbs + 180 deg**				
	Rod - High strength Aluminum Silicon material.								
6B2290A Std. .25 .50 .75 1.0		56.691/2.2319 56.707/2.2326	60.322/2.3749 60.338/2.3755	1.798/0.0708	.011/.0004 .059/.0023	20.75/0.817	F810	12	2290A IH
	Rod - .002" oversize OD version of 6B2290A.								
6B2290AO/S2 .25 .50 .75 1.0		56.691/2.2319 56.707/2.2326	60.372/2.3768 60.388/2.3775	1.952/0.0769 (@ .25mm u/s)	.011/.0004 .059/.0023	20.75/0.817	F810	12	9102A IH
	Main								
7M2224A Std. 10 20	1,2,3,4, 6,7	69.967/2.7546 69.982/2.7552	78.069/3.0736 78.087/3.0743	4.044/0.1592	.007/.0003 .050/.0020	20.68/0.814	F820	12	MB3781P U/L
	5 (Fl)	69.967/2.7546 69.982/2.7552	78.069/3.0736 78.087/3.0743	4.044/0.1592	.007/.0003 .050/.0020	25.35/0.998	F820	2	MB3782P U/L
	Small End								
AB3664 Semi		22.997/0.9054 23.000/0.9055	25.857/1.0180	1.372/0.0540		23.75/0.935	F100	1	223-3664

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	14
262 (4.3)	B	V6	4.000 x 3.484	Connecting Rod 45 ft.lbs/61 Nm	
262 (4.3)	N	V6	4.000 x 3.484	Main Bearing 70 ft.lbs/95 Nm	
262 (4.3)	W	V6	4.000 x 3.484		
262 (4.3)	X	V6	4.000 x 3.484		
262 (4.3)	Z	V6	4.000 x 3.484		
262 (4.3) Turbo	Z	V6	4.000 x 3.484		

Rod - High Strength Aluminum Silicon material.

	57.130/2.2492 57.145/2.2498	60.317/2.3747 60.342/2.3757	1.575/0.0620	.022/.0009 .089/.0035	18.92/0.745	F810	12	7111A	**6B1358A** Std. 01 10 20 30 40

Rod - .002" oversize OD version of 6B1358A.

	57.130/2.2492 57.145/2.2498	60.368/2.3767 60.393/2.3777	1.613/0.0635 (@ .010" u/s)	.022/.0009 .089/.0035	18.92/0.745	F810	12	9042A IH	**6B1358AO/S2** 10 20 30 40

Rod

	57.130/2.2492 57.145/2.2498	60.317/2.3747 60.342/2.3757	1.575/0.0620	.022/.0009 .089/.0035	18.92/0.745	F780	12	7111 IH	**6B1358P** Std. 01 10 20 30 40 50 60

Main - High Strength Aluminum Silicon material.

1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F810	6	2377A U/L	**4M1454A** Std. 01 10 20 30 40
4	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L	

Main

1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L	**4M1454P** Std. 01 10 20 30 40
4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L	

Overflange length remains constant for standard and undersizes.

Main - optional set to 4M1454P with +0.020" overflange length increase. *See dimensional information below.

1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L	**4M1628P** 10 20 30 40
4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L	

to be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1628P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"

Main - optional set to 4M1454P with +0.040" overflange length increase. *See dimensional information below.

1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L	**4M1684P** 20 30 40
4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.65/1.758	F780	2	2355 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 4M1684P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

Cam - for engines from 1985 on without ID number "T" on front of block.

1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1	**4C1089S** Std.
2,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		18.92/0.745	F23	2	CH-4-2	
3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	1	CH-4-3	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
14 (Cont'd.)									
	Cam - for engines from 1992 on with ID number "T" on front of block.								
4C1351S Std.	1,4	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		19.05/0.750	F23	2	CH-4-1
	2	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		19.05/0.750	F23	1	CH-4-3
	3	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		19.05/0.750	F23	1	CH-4-2
	Balance Shaft - VIN X, W, Z engines - contains bearing and spacer.								
1BS1400S Std.	Rear	38.064/1.4986 38.100/1.5000	47.587/1.8735 47.612/1.8745	4.724/0.1860	.013/.0005 .050/.0020	21.21/0.835	F23	1	CHG-15A

15 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
267 (4.4)	**J**	**V8**	**3.50 x 3.48**	**Connecting Rod 35 ft.lbs/48 Nm** (11/32" bolts only)
305 (5.0)	**F**	**V8**	**3.74 x 3.48**	**Connecting Rod 45 ft.lbs/61 Nm** (3/8" bolts only)
305 (5.0)	**G**	**V8**	**3.74 x 3.48**	**Main Bearing 75 ft.lbs/102 Nm**
305 (5.0)	**H**	**V8**	**3.74 x 3.48**	
305 (5.0)	**M**	**V8**	**3.74 x 3.48**	
305 (5.0)	**Q**	**V8**	**3.74 x 3.48**	
305 (5.0)	**U**	**V8**	**3.74 x 3.48**	
307 (5.0)	**A**	**V8**	**3.88 x 3.25**	
307 (5.0)	**B**	**V8**	**3.88 x 3.25**	
307 (5.0)	**E**	**V8**	**3.88 x 3.25**	
307 (5.0)	**F**	**V8**	**3.88 x 3.25**	
307 (5.0)	**H**	**V8**	**3.88 x 3.25**	
307 (5.0)	**P**	**V8**	**3.88 x 3.25**	
307 (5.0)	**X**	**V8**	**3.88 x 3.25**	
327 (5.4)	**E**	**V8**	**4.00 x 3.25**	
350 (5.7)	**B**	**V8**	**4.00 x 3.48**	
350 (5.7)	**E**	**V8**	**4.00 x 3.48**	
350 (5.7)	**H**	**V8**	**4.00 x 3.48**	
350 (5.7)	**J**	**V8**	**4.00 x 3.48**	
350 (5.7)	**K**	**V8**	**4.00 x 3.48**	
350 (5.7)	**K**	**V8**	**4.00 x 3.48**	
350 (5.7)	**L**	**V8**	**4.00 x 3.48**	
350 (5.7)	**M**	**V8**	**4.00 x 3.48**	
350 (5.7)	**P**	**V8**	**4.00 x 3.48**	
350 (5.7)	**R**	**V8**	**4.00 x 3.48**	
350 (5.7)	**V**	**V8**	**4.00 x 3.48**	
350 (5.7)	**W**	**V8**	**4.00 x 3.48**	
350 (5.7)	**Y**	**V8**	**4.00 x 3.48**	

	Rod - High strength Aluminum Silicon material.								
8B663A Std. 01 10 20 30 40		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A
	Rod - .002" oversize OD version of 8B663A.								
8B663AO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH
	Rod - standard oil clearance.								
8B663P Std. 01 10 20 30 40 50 60		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH
	Rod - .002" oversize OD version of 8B663P.								
8B663PO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 15
Main - optional set to 5M909P with +0.020" overflange length increase. *See below for dimensional information.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1626P** 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L	

Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".

*** DIMENSIONAL INFORMATION FOR 5M1626P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"
.050" u/s shaft	1.738"	+0.020"
.060" u/s shaft	1.738"	+0.020"

Main - optional set to 5M909P with +0.040" overflange length increase. *See below for dimensional information.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1683P** 20 30 40
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	1.76/0.069	F780	2	2355 U/L	

Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".

*** DIMENSIONAL INFORMATION FOR 5M1683P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

Main - optional set to 5M909P with +0.010" overflange length increase. *See dimensional information below.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1744P** 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.89/1.728	F780	2	2365 U/L	

Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".

*** DIMENSIONAL INFORMATION FOR 5M1744P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.728"	+0.010"
.020" u/s shaft	1.728"	+0.010"
.030" u/s shaft	1.728"	+0.010"
.040" u/s shaft	1.728"	+0.010"
.050" u/s shaft	1.728"	+0.010"
.060" u/s shaft	1.728"	+0.010"

Main - High strength Aluminum Silicon material.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F810	8	2377A U/L	**5M909A** Std. 01 10 20 30 40
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L	
Main - half groove. Standard oil clearance.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M909P** Std. 01 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L	

Overflange length remains constant for standard and undersizes. Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".

Cam - Single piece from 5C3346C set.									
1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	1	3346	**1C3346C** Std.
Cam - Single piece from 5C3349C set (#1 position cam).									
	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**1C3349C** Std.

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
15 (Cont'd.)									
	Cam - +0.010" O.D. all housing bores 2.0290"/2.0310" (High Performance). Customer to drill oil holes.								
5C004AS Std.	1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536
	Cam - +0.020" O.D. all housing bores 2.0390"/2.0410" (High Performance). Customer to drill oil holes.								
5C004BS Std.	1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537
	Cam - standard housing bores.								
5C290S Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1
	2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.760/0.0694		18.92/0.745	F23	2	CH-4-2
	3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3
	Cam - All housing bores constant at 1.9990"/2.0010" (High Performance).								
5C3346C Std.	1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	5	3346
	Cam - standard housing bores (High Performance).								
5C3349C Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349
	2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347
	3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346

16 ENGINE

VIN	CYL	Bore x Stroke
	V8	**3.88 x 3.00**
	V8	**4.00 x 3.25**

TORQUE SETTINGS

Connecting Rod 35 ft.lbs/48 Nm (11/32" bolts only)
Connecting Rod 45 ft.lbs/61 Nm (3/8" bolts only)
Main Bearing 60-70 ft.lbs/81-95 Nm (265,283,327 engines)
Main Bearing 80 ft.lbs/108 Nm (302 engines)

	Rod								
8B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .076/.0030	21.38/0.842	F780	16	2370 IH
	Main - Alt set to 5M429P with +0.010" overflange length increase. * See below for dimensional information.								
5M2372P 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (FI)	58.364/2.2978 58.390/2.2988	63.261/2.4906 63.287/2.4916	2.428/0.0956	.015/.0006 .093/.0037	43.89/1.728	F780	2	3345 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M2372P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.728"	+0.010"
.020" u/s shaft	1.728"	+0.010"
.030" u/s shaft	1.728"	+0.010"
.040" u/s shaft	1.728"	+0.010"

	Main								
5M429P Std. 01 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (FI)	58.364/2.2978 58.390/2.2988	63.261/2.4906 63.287/2.4916	2.428/0.0956	.015/.0006 .093/.0037	43.64/1.718	F780	2	7104 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - Single piece from 5C3346C set								
1C3346C Std.	1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	1	3346
	Cam - Single piece from 5C3349C set (#1 cam).								
1C3349C Std.		47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 16
Cam - +0.010" O.D. all housing bores 2.0290"/2.0310" (High Performance). Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536	**5C004AS** Std.
Cam - +0.020" O.D. all housing bores 2.0390"/2.0410" (High Performance). Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537	**5C004BS** Std.
Cam									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1	**5C290S** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.760/0.0694		18.92/0.745	F23	2	CH-4-2	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3	
Cam - All housing bores constant at 1.9990"/2.0010" (High Performance)									
1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	5	3346	**5C3346C** Std.
Cam - standard housing bores (High Performance).									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**5C3349C** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 17
292 (4.8)		**L6**	**3.88 x 4.13**	**Connecting Rod 30-35 ft.lbs/41-48 Nm**
292 (4.8)	**S**	**L6**	**3.88 x 4.13**	**Main Bearing 60-70 ft.lbs/81-95 Nm**
292 (4.8)	**S**	**L6**	**3.88 x 4.13**	
292 (4.8)	**T**	**L6**	**3.88 x 4.13**	

Rod - High strength Aluminum Silicon material.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	12	2376A IH	**6B663A** Std. 10 20 30 40
Rod									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	12	2376 IH	**6B663P** Std. 10 20 30 40
Main									
1-6	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	12	7132 U/L	**7M617P** Std. 10 20 30 40
7 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L	
Overflange length remains constant for standard and undersizes.									
Cam - engines from 1966-1970.									
1,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		21.97/0.865	F23	2	CH-5-2	**4C399S** Std.
2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	2	CH-5-3	
Cam - engines from 1971-1989.									
1,2,3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	4	CH-5-3	**4C718S** Std.

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
18 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
294 (4.8)			**V V8**	**96mm x 83mm**		**Connecting Rod 15 ft.lbs + 60 deg.**			
323 (5.3)			**B V8**	**96mm x 92mm**		**Main Bearing 15 ft.lbs + 80 deg** Inner			
323 (5.3)			**M V8**	**96mm x 92mm**		**Main Bearing 18 ft.lbs** Side Bolts			
323 (5.3)			**P V8**	**96mm x 92mm**					
323 (5.3)			**T V8**	**96mm x 92mm**					
323 (5.3)			**Z V8**	**96mm x 92mm**					
325 (5.3)			**B V8**	**96mm x 92mm**					
325 (5.3)			**M V8**	**96mm x 92mm**					
325 (5.3)			**T V8**	**96mm x 92mm**					
325 5328cc (5.3) (L59)			**Z V8**	**96mm x 92mm**					
364 (6.0)			**N V8**	**101.6mm x 92mm**					
364 (6.0)			**U V8**	**101.6mm x 92mm**					
		Rod - High Strength Aluminum Silicon material.							
8B663A Std. 01 10 20 30 40		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A
		Rod - .002" oversize OD version of 8B663A.							
8B663AO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH
		Rod							
8B663P Std. 01 10 20 30 40 50 60		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH
		Rod - .002" oversize OD version of 8B663P.							
8B663PO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH
		Main - High Strength Aluminum Silicon material.							
5M7298A Std. 10 20 30 40	1,2,4,5	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.006/.0002 .046/.0018	20.45/0.805	F810	8	7298A U/L
	3 (Fl)	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.002/.0001 .046/.0018	26.10/1.028	F810	2	7299A U/L
		Cam - 1999-2003 with 1st design # 1 & 5 housing size of 2.3260"-2.3280".							
5C1000S Std.	1,5	54.991/2.1650 55.042/2.1670	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1
	2,4	54.991/2.1650 55.042/2.1670	58.829/2.3161 58.879/2.3181	1.880/0.0740		16.00/0.630	F23	2	CH-10-2
	3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3
		Cam - 2003 on with 2nd design # 1 & 5 housing size of 2.3460"-2.3480".							
5C1001S Std.	1,5	54.991/2.1650 55.042/2.1670	59.588/2.3460 59.639/2.3480	2.260/0.0890		16.00/0.630	F23	2	CH-23-1
	2,4	54.991/2.1650 54.042/2.1276	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1
	3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3
19 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
305 (5.0) (305C)			**V6**	**4.250 x 3.578**		**Connecting Rod 55-65 ft.lbs** Diesel engines only.			
351 (5.8) (D351) Diesel			**V6**	**4.563 x 3.578**		**Connecting Rod 65-75 ft.lbs** Gas engines only.			
351 (5.8) (351C/E/M)			**V6**	**4.563 x 3.578**		**Main Bearing 130-140 ft.lbs** Gas engines except rear			
379			**V6**	**4.563 x 3.859**		bearing cap.			
401 (401M)			**V6**	**4.875 x 3.578**		**Main Bearing 170-180 ft.lbs** Diesel engines except			
432			**V6**	**4.875 x 3.859**		rear bearing cap.			
478 (D478/DH478) Diesel			**V6**	**5.125 x 3.859**		**Main Bearing 55-65 ft.lbs** Diesel engines rear cap only.			
478 (478M)			**V6**	**5.125 x 3.859**		**Main Bearing 85-95 ft.lbs** Gas engines rear bearing cap only.			
		Rod - to be discontinued when stock exhausted.							
6B586P Std. 10 20 30 40		71.404/2.8112 71.429/2.8122	76.606/3.0160 76.619/3.0165	2.575/0.1014	.038/.0015 .102/.0040	23.87/0.940	F780	12	CB586P

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**20**
350 (5.7) Oldsmobile Eng. Diesel			**N**	**V8**	**4.06 x 3.39**	**Connecting Rod 42 ft.lbs/57 Nm**			
350 (5.7) Oldsmobile Eng. Diesel			**Z**	**V8**	**4.06 x 3.39**	**Main Bearing 120 ft.lbs/163 Nm**			
Rod									
	53.945/2.1238 53.970/2.1248	57.137/2.2495 57.150/2.2500	1.572/0.0619	.023/.0009 .087/.0034	21.11/0.831	F780	16	8500 IH	**8B684P** Std. 10 20 30 40
Rod - .002" oversize OD version of 8B684P.									
	53.945/2.1238 53.970/2.1248	57.188/2.2515 57.201/2.2520	1.724/0.0679 (@ .010" u/s)	.024/.0009 .088/.0035	21.11/0.831	F780	16	9041 IH	**8B684PO/S2** 10 20 30 40
Main									
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L	**5M804P** Std. 10 20 30 40
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U	
2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH	
3 (Fl)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.38/1.196	F780	2	8508 IH	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 5M804P with +0.010" overflange length increase. *See below for dimensional information.									
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L	**5M8519P** 20 30 40
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U	
2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH	
3 (Fl)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.63/1.206	F780	2	8519 IH	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M8519P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.206"	+0.010"
.030" u/s shaft	1.206"	+0.010"
.040" u/s shaft	1.206"	+0.010"

Cam									
1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-7-1	**5C1088S** Std.
2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2	
3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3	
4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4	
5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
21 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
379 (6.2) Diesel			**C V8**	**3.98 x 3.82**		**Connecting Rod 48 ft. lbs**			
379 (6.2) Diesel			**J V8**	**3.98 x 3.82**		**Main Bearing 100 ft.lbs** (outer bolt - 6.2 diesel engine only)			
395 (6.5) Turbo Diesel			**F V8**	**4.06 x 3.82**					
395 (6.5) Diesel			**P V8**	**4.06 x 3.82**		**Main Bearing 110 ft.lbs** (inner bolt)			
395 (6.5) Turbo Diesel			**S V8**	**4.06 x 3.82**		**Main Bearing 111 ft.lbs** (outer bolt - 6.5 diesel engine only)			
395 (6.5) Diesel			**Y V8**	**4.06 x 3.82**					
395 (6.5) (L65) Turbo Diesel			**F V8**	**4.06 x 3.82**					
	Rod								
8B1286P Std. .025 .25 .50 .75		60.914/2.3982 60.940/2.3992	64.125/2.5246 64.150/2.5256	1.570/0.0618	.048/.0019 .120/.0047	22.91/0.902	F780	16	1292 IH
	Main - For all 6.2L & 6.5L engines.								
5M2091P Std. .025 .25 .50 .75 1.0	1,2,4	74.917/2.9495 74.940/2.9504	79.825/3.1427 79.850/3.1437	2.425/0.0955	.040/.0016 .114/.0045	22.78/0.897	F780	6	2087 U/L
	3 (Fl)	74.917/2.9495 74.940/2.9504	79.825/3.1427 79.850/3.1437	2.425/0.0955	.040/.0016 .114/.0045	28.70/1.130	F780	2	2089 U/L
	5	74.912/2.9493 74.937/2.9503	79.825/3.1427 79.850/3.1437	2.425/0.0955	.045/.0018 .119/.0047	35.33/1.391	F780	2	2088 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C1199S Std.	1	54.976/2.1644 55.024/2.1663	59.106/2.3270 59.157/2.3290	2.030/0.0798		22.86/0.900	F23	1	GM-7-1
	2	54.976/2.1644 55.024/2.1663	58.877/2.3180 58.928/2.3200	1.910/0.0753		19.81/0.780	F23	1	GM-7-2
	3	54.976/2.1644 55.024/2.1663	58.623/2.3080 58.674/2.3100	1.790/0.0703		19.81/0.780	F23	1	GM-7-3
	4	54.976/2.1644 55.024/2.1663	58.369/2.2980 58.420/2.3000	1.660/0.0653		19.81/0.780	F23	1	GM-7-4
	5	50.975/2.0069 51.026/2.0089	54.381/2.1410 54.432/2.1430	1.660/0.0655		19.81/0.780	F23	1	GM-7-5
	Small End - semi-finished - .020" bore stock allowance.								
RB3864Y20 Semi		31.026/1.2215 (Finished ID Size)	33.139/1.3047 (Nominal)			25.40/1.000	F100	1	3864Y20
22 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
396 (6.5)			**E V8**	**4.09 x 3.77**		**Connecting Rod 45-55 ft.lbs/61-75 Nm** (all engines)			
396 (6.5)			**Y V8**	**4.09 x 3.77**		**Main Bearing 110-120 ft.lbs/150-163 Nm** (High Performance)			
402 (6.6)			**V8**	**4.13 x 3.77**					
402 (6.6)			**E V8**	**4.13 x 3.77**		**Main Bearing 90-100 ft.lbs/122-136 Nm** (except High Performance)			
402 (6.6)			**K V8**	**4.13 x 3.77**					
402 (6.6)			**U V8**	**4.13 x 3.77**					
454 (7.4)			**B V8**	**4.25 x 4.00**					
454 (7.4)			**E V8**	**4.25 x 4.00**					
454 (7.4)			**J V8**	**4.25 x 4.00**					
454 (7.4)			**L V8**	**4.25 x 4.00**					
454 (7.4)			**N V8**	**4.25 x 4.00**					
454 (7.4)			**S V8**	**4.25 x 4.00**					
454 (7.4)			**W V8**	**4.25 x 4.00**					
454 (7.4)			**Y V8**	**4.25 x 4.00**					
454 (7.4)			**Z V8**	**4.25 x 4.00**					
	Rod - High strength Aluminum Silicon material.								
8B743A Std. 01 10 20 30 40		55.855/2.1990 55.880/2.2000	59.047/2.3247 59.060/2.3252	1.575/0.0620	.017/.0007 .081/.0032	22.58/0.889	F810	16	7100A IH
	Rod - .002" oversize OD version of 8B743A.								
8B743AO/S2 10 20 30 40		55.855/2.1990 55.880/2.2000	59.098/2.3267 59.111/2.3272	1.727/0.0680 (@ .010" u/s)	.017/.0007 .081/.0032	22.58/0.889	F810	16	9100A IH
	Rod								
8B743P Std. 01 10 20 30 40		55.855/2.1990 55.880/2.2000	59.047/2.3247 59.060/2.3252	1.575/0.0620	.017/.0007 .081/.0032	22.58/0.889	F780	16	7100 IH
	Rod - .002" oversize OD version of 8B743P.								
8B743PO/S2 10 20 30 40		55.855/2.1990 55.880/2.2000	59.098/2.3267 59.111/2.3272	1.727/0.0680 (@ .010" u/s)	.017/.0007 .081/.0032	22.58/0.889	F780	16	9100 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 22
Main - optional set to 5M829P with +0.010" overflange length increase. *See below for dimensional information.									
1,2,3,4	69.804/2.7482 69.830/2.7492	74.600/2.9370 74.625/2.9380	2.380/0.0937	.010/.0004 .087/.0034	26.46/1.042	F780	8	7102 U/L	**5M1745P** 10 20 30 40
5 (Fl)	69.794/2.7478 69.820/2.7488	74.600/2.9370 74.625/2.9380	2.380/0.0937	.020/.0008 .097/.0038	46.25/1.821	F780	2	7105 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M1745P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.821"	+0.010"
.020" u/s shaft	1.821"	+0.010"
.030" u/s shaft	1.821"	+0.010"
.040" u/s shaft	1.821"	+0.010"

Main - High strength Aluminum Silicon material.									
1,2,3,4	69.804/2.7482 69.830/2.7492	74.600/2.9370 74.625/2.9380	2.380/0.0937	.010/.0004 .087/.0034	26.46/1.042	F810	8	7102A U/L	**5M829A** Std. 10 20 30 40
5 (Fl)	69.794/2.7478 69.820/2.7488	74.600/2.9370 74.625/2.9380	2.380/0.0937	.020/.0008 .097/.0038	46.00/1.811	F810	2	7103A U/L	
Main - half groove set - standard oil clearance.									
1,2,3,4	69.804/2.7482 69.830/2.7492	74.600/2.9370 74.625/2.9380	2.380/0.0937	.010/.0004 .087/.0034	26.46/1.042	F780	8	7102 U/L	**5M829P** Std. 01 10 20 30 40
5 (Fl)	69.794/2.7478 69.820/2.7488	74.600/2.9370 74.625/2.9380	2.380/0.0937	.020/.0008 .097/.0038	46.00/1.811	F780	2	7103 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	49.497/1.9487 49.522/1.9497	54.343/2.1395 54.369/2.1405	2.390/0.0941		21.97/0.865	F23	1	CH-12-1	**5C616S** Std.
2,5	49.497/1.9487 49.522/1.9497	54.089/2.1295 54.115/2.1305	2.260/0.0891		25.02/0.985	F23	2	CH-12-2	
3,4	49.497/1.9487 49.522/1.9497	53.835/2.1195 53.861/2.1205	2.140/0.0841		25.02/0.985	F23	2	CH-12-3	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 23
400 (6.6)	**M**	**V8**	**4.13 x 3.75**	**Connecting Rod 45 ft. lbs/61 Nm**
400 (6.6)	**R**	**V8**	**4.13 x 3.75**	**Main Bearing 75 ft.lbs/102 Nm**
400 (6.6)	**U**	**V8**	**4.13 x 3.75**	
400 (6.6)	**X**	**V8**	**4.13 x 3.75**	

Rod - High strength Aluminum Silicon material.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A	**8B663A** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 8B663A.									
	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH	**8B663AO/S2** 10 20 30 40
Rod - standard oil clearance.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH	**8B663P** Std. 01 10 20 30 40 50 60
Rod - .002" oversize OD version of 8B663P.									
	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH	**8B663PO/S2** 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
23 (Cont'd.)									
	Main - optional set to 5M1038P with +0.010" overflange length increase. *See below for dimensional information.								
5M1036P 10 20 30 40	1,2,3,4	67.269/2.6484 67.292/2.6493	72.151/2.8406 72.174/2.8415	2.423/0.0954	.013/.0005 .084/.0033	20.44/0.805	F780	8	7113 U/L
	5 (Fl)	67.257/2.6479 67.280/2.6488	72.151/2.8406 72.174/2.8415	2.423/0.0954	.025/.0010 .097/.0038	43.89/1.728	F780	2	1036 U/L
	Stock not available from fee warehouses.								
	Main - half groove - standard oil clearance.								
5M1038P Std. 01 10 20 30 40	1,2,3,4	67.269/2.6484 67.292/2.6493	72.151/2.8406 72.174/2.8415	2.423/0.0954	.013/.0005 .084/.0033	20.44/0.805	F780	8	7113 U/L
	5 (Fl)	67.257/2.6479 67.280/2.6488	72.151/2.8406 72.174/2.8415	2.423/0.0954	.025/.0010 .097/.0038	43.64/1.718	F780	2	7115 U/L
	Main - optional set to 5M1038P with +0.004" overflange length increase. *See below for dimensional information.								
5M7155P 40	1,2,3,4	67.269/2.6484 67.292/2.6493	72.151/2.8406 72.174/2.8415	2.423/0.0954	.013/.0005 .084/.0033	20.44/0.805	F780	8	7113 U/L
	5 (Fl)	67.257/2.6479 67.280/2.6488	72.151/2.8406 72.174/2.8415	2.423/0.0954	.025/.0010 .097/.0038	43.74/1.722	F780	2	7155 U/L
	to be discontinued when stock exhausted.								
	Cam - Single piece from 5C3346C set								
1C3346C Std.	1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	1	3346
	Cam - Single piece from 5C3349C set (#1 cam).								
1C3349C Std.		47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349
	Cam - +0.010" O.D. all housing bores 2.0290"/2.0310" (High Performance). Customer to drill oil holes.								
5C004AS Std.	1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536
	Cam - +0.020" O.D. all housing bores 2.0390"/2.0410" (High Performance). Customer to drill oil holes.								
5C004BS Std.	1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537
	Cam - standard housing bores.								
5C290S Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1
	2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.760/0.0694		18.92/0.745	F23	2	CH-4-2
	3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3
	Cam - All housing bores constant at 1.9990"/2.0010" (High Performance)								
5C3346C Std.	1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	5	3346
	Cam - standard housing bores (High Performance).								
5C3349C Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349
	2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347
	3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346

*** DIMENSIONAL INFORMATION FOR 5M1036P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.728"	+0.010"
.020" u/s shaft	1.728"	+0.010"
.030" u/s shaft	1.728"	+0.010"
.040" u/s shaft	1.728"	+0.010"

*** DIMENSIONAL INFORMATION FOR 5M7155P**

	Overall Width (Nominal)	Increase in Width
.040" u/s shaft	1.722"	+0.004"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**24**
496 (8.1)		**G**	**V8**	**108mm x 111mm**	**Connecting Rod 22 ft.lbs + 90 deg** **Main Bearing 22 ft.lbs + 80 deg** Outer studs **Main Bearing 22 ft.lbs + 90 deg** Inner bolts				
Rod - High strength Aluminum Silicon material.									
	55.855/2.1990 55.880/2.2000	59.047/2.3247 59.060/2.3252	1.575/0.0620	.017/.0007 .081/.0032	22.58/0.889	F810	16	7100A IH	**8B743A** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 8B743A.									
	55.855/2.1990 55.880/2.2000	59.098/2.3267 59.111/2.3272	1.727/0.0680 (@ .010" u/s)	.017/.0007 .081/.0032	22.58/0.889	F810	16	9100A IH	**8B743AO/S2** 10 20 30 40
Cam									
1	49.497/1.9487 49.522/1.9497	54.343/2.1395 54.369/2.1405	2.390/0.0941		21.97/0.865	F23	1	CH-12-1	**5C616S** Std.
2,5	49.497/1.9487 49.522/1.9497	54.089/2.1295 54.115/2.1305	2.260/0.0891		25.02/0.985	F23	2	CH-12-2	
3,4	49.497/1.9487 49.522/1.9497	53.835/2.1195 53.861/2.1205	2.140/0.0841		25.02/0.985	F23	2	CH-12-3	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**25**
500 (8.2) Detroit Diesel (Fuel Pincher) Diesel			**V8**	**4.25 x 4.41**	**Connecting Rod 59-70 ft. lbs/80-95 Nm** **Main Bearing Inner 103-108 ft. lbs/140-146 Nm** **Main Bearing Outer 66-76 ft. lbs/89-103 Nm**				
500 (8.2) Detroit Diesel (Fuel Pincher) Turbo Diesel			**V8**	**4.25 x 4.41**					
Rod									
	69.974/2.7549 70.000/2.7559	74.902/2.9489 74.915/2.9494	2.430/0.0950	.051/.0020 .127/.0050	23.42/0.922	F780	16	CB1288P IH	**8B1288P** Std. .25 .50
Main									
1,2,3,4	99.974/3.9360 100.000/3.9370	106.426/4.1900 106.451/4.1910	3.190/0.1260	.058/.0023 .135/.0053	23.62/0.930	F780	8	MB2881P U/L	**5M1566P** Std. .25 .50 .75
5(Fl)	99.974/3.9360 100.000/3.9370	106.426/4.1900 106.451/4.1910	3.190/0.1260	.058/.0023 .135/.0053	31.77/1.251	F780	2	MB2882P U/L	
Overflange length remains constant for standard and undersizes.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**26**
637 D637 / DH637 Diesel			**V8**	**5.125 x 3.860**	**Connecting Rod 55-65 ft.lbs** Diesel engines only. **Connecting Rod 65-75 ft.lbs** Gas engines only. **Main Bearing 130-140 ft.lbs** Gas engines except rear bearing cap. **Main Bearing 170-180 ft.lbs** Diesel engines except rear bearing cap. **Main Bearing 55-65 ft.lbs** Diesel engines rear cap only. **Main Bearing 85-95 ft.lbs** Gas engines rear bearing cap only.				
637 Gas			**V8**	**5.125 x 3.860**					
Rod - To be discontinued when stock exhautsted.									
	71.404/2.8112 71.429/2.8122	76.606/3.0160 76.619/3.0165	2.576/0.1014	.038/.0015 .102/.0040	23.87/0.940	F780	16	CB586P IH	**8B586P** Std. 10 20 30 40
Main - for 1966-72 engines only. To be discontinued when stock exhautsted.									
1,2,3,5	79.342/3.1237 79.367/3.1247	84.455/3.3250 84.480/3.3260	2.527/0.0995	.040/.0016 .117/.0046	29.46/1.160	F780	8	MB2009P U/L	**5M944P** Std. 10 20
4 (Fl)	79.342/3.1237 79.367/3.1247	84.455/3.3250 84.480/3.3260	2.527/0.0995	.040/.0016 .117/.0046	38.84/1.529	F780	2	MB2010P U/L	
On D637/DH637 diesel engines, undersize bearings listed above can be used but the original crankshaft surface hardness must be restored by a suitable process.									

HONDA ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1169cc (1.2).....	(EB1)		L4	73-73	1
1237cc (1.2).....	(EB2)		L4	74-77	1
1237cc (1.2).....	(EB3)		L4	78-79	1
1335cc (1.3).....	EJ/EJ1		L4	80-83	1
82 1342cc (1.3).....	D13A2		L4	87-87	2
82 1342cc (1.3).....	EV		L4	84-86	2
82 1342cc (1.3).....	(D13A2)		L4	87-87	2
82 1342cc (1.3).....	(EV1)		L4	84-86	2
1487cc (1.5).....	D15A2/A3		L4	87-87	5
1487cc (1.5).....	EM1		L4	80-82	3
1487cc (1.5).....	EW1/3/4		L4	84-86	4
1487cc (1.5).....	(D15A2)		L4	87-87	5
1487cc (1.5).....	(ED1)		L4	75-75	3
1487cc (1.5).....	(ED2)		L4	75-76	3
1487cc (1.5).....	(ED3)		L4	76-79	3
1487cc (1.5).....	(ED4)		L4	75-79	3
1487cc (1.5).....	(EM1)		L4	81-83	3
1487cc (1.5).....	(EW1)		L4	84-86	4
1493cc (1.5).....	D15B1		L4	90-91	5
1493cc (1.5).....	D15B1/B6		L4	88-89	5
1493cc (1.5).....	(D15B2)		L4	88-91	5
1493cc (1.5).....	(D15B6)		L4	90-91	5
1493cc (1.5).....	(D15B7)		L4	92-95	5
1493cc (1.5).....	(D15B8)		L4	92-95	5
1493cc (1.5).....	(D15Z1)		L4	92-95	5
1590cc (1.6).....	DOHC (VTEC) (B16A2)		L4	96-97	7
1590cc (1.6).....	DOHC (VTEC) (B16A3)		L4	94-95	7
1590cc (1.6).....	(D16A6)		L4	88-91	6
1590cc (1.6).....	(D16Y5)		L4	96-00	6
1590cc (1.6).....	(D16Y7)		L4	96-00	6
1590cc (1.6).....	(D16Y8)		L4	96-00	6
1590cc (1.6).....	(VTEC) (D16Z6)		L4	92-95	6
1595cc (1.6).....	DOHC (VTEC) (B16A2)		L4	99-00	7
1598cc (1.6).....	EY		L4	83-90	8
1599cc (1.6).....	EG (Canada)		L4	78-79	3
1599cc (1.6).....	(EF1)		L4	76-78	3
1606cc (1.6).....	EL1 (Canada)		L4	82-83	3
1668cc (1.7).....	(D17A1)		L4	01-05	9
1668cc (1.7).....	(D17A2)		L4	01-05	9
1668cc (1.7).....	(D17A6)		L4	01-05	9
1668cc (1.7).....	(D17A7)		L4	01-05	9
1700cc (1.7).....	(D17A1)		L4	02-04	9
1700cc (1.7).....	(D17A2)		L4	02-04	9
1700cc (1.7).....	(D17A6)		L4	02-04	9
1700cc (1.7).....	(D17A7)		L4	02-04	9
1751cc (1.8).....	EK1		L4	81-83	3
1751cc (1.8).....	(EK1)		L4	79-83	3
1829cc (1.8).....	ES1		L4	83-83	8
1829cc (1.8).....	ES3		L4	85-85	8
1829cc (1.8).....	ET/ET2		L4	84-84	8
1829cc (1.8).....	(A18A1)		L4	87-87	8
1829cc (1.8).....	(ES2)		L4	84-85	8
1829cc (1.8).....	(ET2)		L4	84-86	8
1955cc (2.0).....	A20A1/A20A3		L4	87-87	8
1955cc (2.0).....	BT1		L4	85-85	8
1955cc (2.0).....	BT2		L4	86-86	8
1955cc (2.0).....	(A20A1)		L4	87-89	8
1955cc (2.0).....	(A20A3)		L4	87-89	8
1955cc (2.0).....	(BS)		L4	86-86	8
1955cc (2.0).....	(BT)		L4	86-86	8
1958cc (2.0).....	B20A3/B20A5		L4	88-91	10
1958cc (2.0).....	(B20A5)		L4	91-91	10
1997cc (2.0).....	(F20C1)		L4	00-04	13
1998cc (2.0).....	K20A2		L4	02-06	11
1998cc (2.0).....	(K20A3)		L4	02-05	12
2056cc (2.1).....	(B21A1)		L4	90-91	10
2156cc (2.2).....	(F22A1)		L4	90-96	14
2156cc (2.2).....	(F22A4)		L4	90-91	14
2156cc (2.2).....	(F22A6)		L4	91-93	14
2156cc (2.2).....	(F22B1)		L4	94-97	14
2156cc (2.2).....	(F22B2)		L4	94-97	14
2156cc (2.2).....	(F22B6)		L4	95-97	14
2156cc (2.2).....	(H22A1)		L4	93-96	14
2156cc (2.2).....	(H22A4)		L4	97-01	15
2157cc (2.2).....	(F22C1)		L4	05-06	13
2234cc (2.3).....	(F23A7)		L4	98-98	16
2254cc (2.3).....	(F23A1)		L4	98-02	16
2254cc (2.3).....	(F23A4)		L4	98-02	16
2254cc (2.3).....	(F23A5)		L4	98-02	16
2259cc (2.3).....	(H23A1)		L4	92-96	17
2354cc (2.4).....	(K24A1)		L4	06-06	11
2354cc (2.4).....	(K24A4)		L4	03-06	11
2354cc (2.4).....	(K24A8)		L4	06-06	11
2400cc (2.4).....	(K24A1)		L4	02-05	11
2400cc (2.4).....	(K24A4)		L4	03-05	11
2559cc (2.6).....	(4ZE1)		L4	94-96	18
2675cc (2.7).....	(C27A4)		V6	95-97	19
3165cc (3.2).....	(6VD1)		V6	94-02	20

HONDA MODEL INDEX

Model	CID	cc	Liter	Description	Years
ACCORD		1599	1.6		76-78
		1751	1.8		79-80
		1751	1.8	EK1	81-83
		1829	1.8		84-85
		1955	2.0		87
ACCORD - 10TH ANNIVERSARY		2156	2.2		93
ACCORD - 1800 LX		1829	1.8	ES3	85
		1829	1.8	ET/ET2	84
ACCORD - 1800 SE-I		1829	1.8	ES3	85
ACCORD - 1800 STD		1829	1.8	ES3	85
		1829	1.8	ET/ET2	84
ACCORD - 25TH ANNIVERSARY EDITION		2156	2.2		96
ACCORD - DX		1751	1.8		79-80
		1955	2.0		86-89
		2156	2.2		90-97
		2254	2.3		98-02
		2354	2.4		03-05
ACCORD - EX		2156	2.2		90-97
		2254	2.3		98-02
		2354	2.4		03-06
		2675	2.7		95-97
ACCORD - EX-R		2156	2.2		97
		2675	2.7		95-97
ACCORD - EXI		1955	2.0		87-89
ACCORD - LX		1599	1.6		78
		1751	1.8		79-83
		1955	2.0		86-89
ACCORD - LX		2156	2.2		90-97
		2254	2.3		98-02
		2354	2.4		03-06
		2675	2.7		95-97
ACCORD - LX SPECIAL EDITION		2354	2.4		06
ACCORD - LXI		1955	2.0		86-89
ACCORD - S		1829	1.8		85
		1955	2.0		88-89
ACCORD - SE		1751	1.8	EK1	81-83
		2156	2.2		91-97
		2254	2.3		00-02
ACCORD - SEI		1955	2.0		89
ACCORD - VALUE PACKAGE		2254	2.3		01-02
		2354	2.4		06
CIVIC		1237	1.2		74-79
		1335	1.3	EJ/EJ1	83
	82	1342	1.3	D13A2	87
	82	1342	1.3	EV	85-86
		1487	1.5		81-83
		1493	1.5	D15B1	90-91
		1493	1.5	D15B1/B6	88-89
CIVIC - 1.3		1335	1.3	EJ/EJ1	83
CIVIC - 1300		1335	1.3	EJ/EJ1	80-82
	82	1342	1.3	D13A2	87
CIVIC - 1300 DX		1335	1.3	EJ/EJ1	80-81
CIVIC - 1500		1487	1.5	D15A2/A3	87
		1487	1.5	EM1	80
		1487	1.5	EW1/3/4	85

HONDA MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
CIVIC - 1500 DX		1487	1.5	D15A2/A3	87
		1487	1.5	EM1	80-82
		1487	1.5	EW1/3/4	84-86
		1493	1.5	D15B1/B6	88
CIVIC - 1500 GL		1487	1.5	EM1	80-82
		1487	1.5	EW1/3/4	84
CIVIC - 1500 S		1487	1.5	EW1/3/4	84-85
CIVIC - 1500 SI		1487	1.5	D15A2/A3	87
		1487	1.5	EW1/3/4	86
CIVIC - 4WD		1590	1.6		88-91
CIVIC - CVCC		1487	1.5		75-79
CIVIC - CX		1493	1.5		92-95
		1493	1.5	D15B1	90-91
		1493	1.5	D15B1/B6	89
		1590	1.6		96-00
CIVIC - DX	82	1342	1.3		84-87
		1493	1.5		88-95
		1590	1.6		96-00
		1668	1.7		01-05
		1700	1.7		02-04
CIVIC - EX		1590	1.6		90-00
		1590	1.6	(VTEC)	92-95
		1668	1.7		01-05
		1700	1.7		02-04
CIVIC - GX		1668	1.7		01-05
		1700	1.7		02-04
CIVIC - HX		1590	1.6		96-00
		1668	1.7		01-05
		1700	1.7		02-04
CIVIC - LX		1493	1.5		88-95
		1590	1.6		96-00
		1668	1.7		01-05
		1700	1.7		02-04
CIVIC - SE		1493	1.5	D15B1/B6	88
CIVIC - SI		1590	1.6		89-91
		1590	1.6	(VTEC)	92-95
		1595	1.6	DOHC (VTEC)	99-00
		1998	2.0		02-05
CIVIC - VALUE PACKAGE		1668	1.7		05
CIVIC - VX		1493	1.5		92-95
CIVIC DEL SOL - S		1493	1.5		93-95
		1590	1.6		96-97
CIVIC DEL SOL - SI		1590	1.6		96-97
		1590	1.6	(VTEC)	93-95
CIVIC DEL SOL - VTEC		1590	1.6	DOHC (VTEC)	94-97
CR-V - EX		2354	2.4		06
		2400	2.4		02-05
CR-V - LX		2354	2.4		06
		2400	2.4		02-05
CR-V - SE		2354	2.4		06
		2400	2.4		05
CRX		1493	1.5		91
CRX - 1300	82	1342	1.3	EV	84
CRX - 1500		1487	1.5	D15A2/A3	87
		1487	1.5	EW1/3/4	84-86
CRX - 1500 HF		1487	1.5	D15A2/A3	87
		1487	1.5	EW1/3/4	85-86
		1493	1.5	D15B1/B6	88-89
CRX - 1500 SI		1487	1.5	D15A2/A3	87
		1487	1.5	EW1/3/4	85-86
CRX - DX		1493	1.5		88-90
CRX - HF		1493	1.5		90-91
CRX - SI		1590	1.6		88-91
ELEMENT		2400	2.4		03-04
ELEMENT - EX		2354	2.4		06
		2400	2.4		05
ELEMENT - LX		2354	2.4		04-06
		2400	2.4		05
ODYSSEY - EX		2156	2.2		95-97
		2234	2.3		98
ODYSSEY - LX		2156	2.2		95-97
		2234	2.3		98
PASSPORT - DX		2559	2.6		94-96
PASSPORT - EX		3165	3.2		94-02
PASSPORT - LX		3165	3.2		94-02
PRELUDE		1751	1.8		79-82
		1829	1.8		84-87
		1829	1.8	ES1	83
		2156	2.2		97-01
PRELUDE - 2.0 S		1958	2.0	B20A3/B20A5	88-90
PRELUDE - 2.0 SI		1955	2.0	A20A1/A20A3	87
		1955	2.0	BT1	85
		1955	2.0	BT2	86
		1958	2.0		91
		1958	2.0	B20A3/B20A5	88-90
		2056	2.1		90
PRELUDE - 2.0 SI 4WS		1958	2.0	B20A3/B20A5	88-89
PRELUDE - S		2156	2.2		92-96
PRELUDE - SE		1958	2.0	B20A3/B20A5	91
		2259	2.3		95
PRELUDE - SH		2156	2.2		97-01
PRELUDE - SI		2056	2.1		91
		2259	2.3		92-96
PRELUDE - SI 4WS		2056	2.1		90-91
		2259	2.3		92
PRELUDE - SI ALB		2056	2.1		90-91
PRELUDE - SR		1958	2.0	B20A3/B20A5	90
PRELUDE - VTEC		2156	2.2		93-96
S2000		1997	2.0		00-03
		2157	2.2		05-06
WAGOVAN		1487	1.5		84-87
		1487	1.5	EW1/3/4	86

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** | **1**

1169cc (1.2) (EB1) | **L4** | **70mm x 76mm** | **Connecting Rod 18-21 ft.lbs/25-29 Nm**
1237cc (1.2) (EB2) | **L4** | **72mm x 76mm** | **Main Bearing 27-31 ft.lbs/37-42 Nm**
1237cc (1.2) (EB3) | **L4** | **72mm x 76mm**
1335cc (1.3) EJ/EJ1 | **L4** | **72mm x 82mm**

Rod

	39.982/1.5741 39.994/1.5746	43.000/1.6929 43.025/1.6939	1.499/0.0590	.023/.0009 .086/.0034	17.52/0.690	F780	8	1950 IH	**4B1950** Std. .25 .50 .75 1.0

Undersize bearings listed above can be used but the original crankshaft surface hardness must be restored by a suitable process.

Main

1-5	50.012/1.9690 50.024/1.9694	54.000/2.1260 54.024/2.1269	1.999/0.0787	.025/.0010 .086/.0034	19.94/0.785	F780	10	1952 IH	**5M1952** Std. .25 .50 .75

Undersize bearings listed above can be used but the original crankshaft surface hardness must be restored by a suitable process.

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 (Cont'd.)									
	Thrust								
1T1952		55.750/2.1949	77.600/3.0551			2.49/0.098	F817	2	1952T
Std. +0.125 +0.25		56.000/2.2047	77.850/3.0650						IH
Note: Set includes two pieces, use on No. 1 position. Required with 5M1952 main set.									

2 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
82 1342cc (1.3) D13A2		**L4**	**74mm x 78mm**	**Connecting Rod 20 ft. lbs/27 Nm** (D13A2)
82 1342cc (1.3) EV		**L4**	**74mm x 78mm**	**Connecting Rod 23 ft. lbs/31 Nm** (EV, EV1)
82 1342cc (1.3) (D13A2)		**L4**	**74mm x 78mm**	**Main Bearing 36 ft. lbs/49 Nm** (D13A2)
82 1342cc (1.3) (EV1)		**L4**	**74mm x 78mm**	**Main Bearing 48 ft. lbs/65 Nm** (EV, EV1)

	Rod - for EV & D13A2 engines only.								
4B1930		39.980/1.5740	43.000/1.6929	1.504/0.0592		18.50/0.728	F780	8	1930
Std. .25 .50 .75		40.000/1.5748	43.025/1.6939						IH
	Rod - for EV1 engine only.								
4B1931		37.976/1.4951	41.000/1.6142	1.504/0.0592	.004/.0002	18.50/0.728	F780	8	1931
Std. .25 .50		38.000/1.4961	41.020/1.6150		.074/.0029				IH
	Main - for EV1 & D13A2 engines only.								
5M1932	1-5	44.980/1.7709	49.000/1.9291	2.001/0.0788	.018/.0007	20.00/0.787	F780	10	1932
Std. .25 .50 .75 1.0		45.000/1.7717	49.020/1.9299		.084/.0033				IH
	Main - for EV engine only.								
5M1952	1-5	50.012/1.9690	54.000/2.1260	1.999/0.0787	.025/.0010	19.94/0.785	F780	10	1952
Std. .25 .50 .75		50.024/1.9694	54.024/2.1269		.086/.0034				IH
	Thrust								
1T1952		55.750/2.1949	77.600/3.0551			2.49/0.098	F817	2	1952T
Std. +0.125 +0.25		56.000/2.2047	77.850/3.0650						IH
Note: Set includes two pieces, use on No.1 position. Required with 5M1932 & 5M1952 main sets.									

3 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1487cc (1.5) EM1		**L4**	**74mm x 86.5mm**	**Connecting Rod 18-21 ft.lbs/25-29 Nm**
1487cc (1.5) (ED1)		**L4**	**74mm x 86.5mm**	**Main Bearing 30-35 ft.lbs/41-48 Nm**
1487cc (1.5) (ED2)		**L4**	**74mm x 86.5mm**	
1487cc (1.5) (ED3)		**L4**	**74mm x 86.5mm**	
1487cc (1.5) (ED4)		**L4**	**74mm x 86.5mm**	
1487cc (1.5) (EM1)		**L4**	**74mm x 86.5mm**	
1599cc (1.6) EG (Canada)		**L4**	**74mm x 93mm**	
1599cc (1.6) (EF1)		**L4**	**74mm x 93mm**	
1606cc (1.6) EL1 (Canada)		**L4**	**77mm x 86mm**	
1751cc (1.8) EK1		**L4**	**77mm x 94mm**	
1751cc (1.8) (EK1)		**L4**	**77mm x 94mm**	

	Rod								
4B1951		41.982/1.6528	45.000/1.7717	1.496/0.0589	.014/.0006	17.52/0.690	F780	8	1951
Std. .25 .50 .75 1.0		41.994/1.6533	45.024/1.7726		.066/.0026				IH
	Main								
5M1952	1-5	50.012/1.9690	54.000/2.1260	1.999/0.0787	.025/.0010	19.94/0.785	F780	10	1952
Std. .25 .50 .75		50.024/1.9694	54.024/2.1269		.086/.0034				IH
Note: Crankshaft journals may be re-sized and ground to fit undersize bearings.However, it will be necessary to reharden the journal surfaces before re-assembling the engine. This may be done by nitriding or "Tufftriding" (registered trademark of Kolene Corp.)*									
	Thrust								
1T1952		55.750/2.1949	77.600/3.0551			2.49/0.098	F817	2	1952T
Std. +0.125 +0.25		56.000/2.2047	77.850/3.0650						IH
Note: Set includes two pieces, use on No.1 position. Required with 5M1952 main set.									

4 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1487cc (1.5) EW1/3/4		**L4**	**74mm x 86.5mm**	**Connecting Rod 19-22 ft.lbs/26-30 Nm**
1487cc (1.5) (EW1)		**L4**	**74mm x 86.5mm**	**Main Bearing 30-35 ft.lbs/41-48 Nm**

	Rod								
4B1955		41.982/1.6528	44.999/1.7716	1.496/0.0589	.018/.0007	18.45/0.726	F780	8	1955
Std. .25 .50 .75 1.0		41.994/1.6533	45.024/1.7726		.079/.0031				IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 4
Main									
1-5	50.012/1.9690 50.024/1.9694	54.000/2.1260 54.024/2.1269	1.999/0.0787	.025/.0010 .086/.0034	19.94/0.785	F780	10	1952 IH	**5M1952** Std. .25 .50 .75
Thrust									
	55.750/2.1949 56.000/2.2047	77.600/3.0551 77.850/3.0650			2.49/0.098	F817	2	1952T IH	**1T1952** Std. +0.125 +0.25

Note: Set includes two pieces, use on No. 4 position. Required with 5M1952 main sets.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 5
1487cc (1.5) D15A2/A3		**L4**	**74mm x 86.5mm**	**Connecting Rod 20 ft.lbs/27 Nm** (1987-89 engines)
1487cc (1.5) (D15A2)		**L4**	**74mm x 86.5mm**	**Connecting Rod 23 ft.lbs/31 Nm** (1990-95 engines)
1493cc (1.5) D15B1		**L4**	**74mm x 86.5mm**	**Main Bearing 33 ft.lbs/45 Nm** (1988-89 engines)
1493cc (1.5) D15B1/B6		**L4**	**74mm x 86.5mm**	**Main Bearing 36 ft.lbs/49 Nm** (1987 engines)
1493cc (1.5) (D15B2)		**L4**	**74mm x 86.5mm**	**Main Bearing 47 ft.lbs/64 Nm** (1990-95 engines)
1493cc (1.5) (D15B6)		**L4**	**74mm x 86.5mm**	
1493cc (1.5) (D15B7)		**L4**	**74mm x 86.5mm**	
1493cc (1.5) (D15B8)		**L4**	**74mm x 86.5mm**	
1493cc (1.5) (D15Z1)		**L4**	**74mm x 86.5mm**	

Rod - for all engines except D15B6.									
	41.982/1.6528 41.994/1.6533	44.999/1.7716 45.024/1.7726	1.496/0.0589	.018/.0007 .079/.0031	18.45/0.726	F780	8	1955 IH	**4B1955** Std. .25 .50 .75 1.0
Main									
1-5	44.980/1.7709 45.000/1.7717	49.000/1.9291 49.020/1.9299	2.001/0.0788	.018/.0007 .084/.0033	20.00/0.787	F780	10	1932 IH	**5M1932** Std. .25 .50 .75 1.0
Thrust									
	55.750/2.1949 56.000/2.2047	77.600/3.0551 77.850/3.0650			2.49/0.098	F817	2	1952T IH	**1T1952** Std. +0.125 +0.25

Note: Set includes two pieces, use on No. 4 position. Required with 5M1932 main sets.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 6
1590cc (1.6) (D16A6)		**L4**	**75mm x 90mm**	**Connecting Rod 20 ft.lbs/27 Nm** (1988-89 engines)
1590cc (1.6) (D16Y5)		**L4**	**75mm x 90mm**	**Connecting Rod 23 ft.lbs/31 Nm** (1990-95 engines)
1590cc (1.6) (D16Y7)		**L4**	**75mm x 90mm**	**Main Bearing 33 ft.lbs/45 Nm** (1988-89 engines)
1590cc (1.6) (D16Y8)		**L4**	**75mm x 90mm**	**Main Bearing 47 ft.lbs/64 Nm** (1990-95 engines)
1590cc (1.6) (VTEC) (D16Z6)		**L4**	**75mm x 90mm**	**Connecting Rod 23 ft.lbs/31 Nm** D16Y engines **Main Bearing 18 ft.lbs** D16Y engines - Step 1 **Main Bearing 38 ft.lbs** D16Y engines - Step 2

Rod									
	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.504/0.0592	.020/.0008 .038/.0015	18.50/0.728	F780	8	1956 IH	**4B1956** Std. .25 .50 .75 1.0
Main									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.007/0.0790	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957 IH	**5M1957** Std. .25 .50 .75 1.0
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.

Note: Set includes two pieces, use on No. 4 position. Required with 5M1957 main set.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 7
1590cc (1.6) DOHC (VTEC) (B16A2)		**L4**	**81mm x 77.5mm**	**Connecting Rod 23 ft.lbs** **Main Bearing 18 ft.lbs** Step 1 **Main Bearing 58 ft.lbs** Step 2
1590cc (1.6) DOHC (VTEC) (B16A3)		**L4**	**81mm x 77.5mm**	
1595cc (1.6) DOHC (VTEC) (B16A2)		**L4**	**81mm x 77.5mm**	

Rod - No oil holes in bearing.									
	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591		19.50/0.768	F780	8	1910 IH	**4B1910** Std. .25 .50 .75 1.0

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 (Cont'd.)									
	Main								
5M1959 Std. .25 .50 .75	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.007/0.0790		20.00/0.787	F780	10	1959 U/L
	Thrust								
1T1957 Std.	4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH

8 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1598cc (1.6) EY		**L4**	**80mm x 79.5mm**	**Connecting Rod 23 ft.lbs/31 Nm**
1829cc (1.8) ES1		**L4**	**80mm x 91mm**	**Main Bearing 48 ft.lbs/65 Nm** (1983-85 engines)
1829cc (1.8) ES3		**L4**	**80mm x 91mm**	**Main Bearing 49 ft.lbs/67 Nm** (1986-89 engines)
1829cc (1.8) ET/ET2		**L4**	**80mm x 91mm**	
1829cc (1.8) (A18A1)		**L4**	**80mm x 91mm**	
1829cc (1.8) (ES2)		**L4**	**80mm x 91mm**	
1829cc (1.8) (ET2)		**L4**	**80mm x 91mm**	
1955cc (2.0) A20A1/A20A3		**L4**	**82.7mm x 91mm**	
1955cc (2.0) BT1		**L4**	**82.7mm x 91mm**	
1955cc (2.0) BT2		**L4**	**82.7mm x 91mm**	
1955cc (2.0) (A20A1)		**L4**	**82.7mm x 91mm**	
1955cc (2.0) (A20A3)		**L4**	**82.7mm x 91mm**	
1955cc (2.0) (BS)		**L4**	**82.7mm x 91mm**	
1955cc (2.0) (BT)		**L4**	**82.7mm x 91mm**	

	Rod - for EY engines only.								
4B1460P Std. .25 .50		41.973/1.6525 41.998/1.6535	45.001/1.7717 45.021/1.7725	1.503/0.0592	.020/.0008 .038/.0015	17.50/0.689	F780	8	CB1460P
	Rod - for all engines except EY.								
4B1946 Std. .25 .50 .75 1.0		44.980/1.7709 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.504/0.0592		19.50/0.768	F780	8	1946 IH
	Main								
5M1947 Std. .25 .50 .75 1.0	1-5	49.980/1.9677 50.000/1.9685	54.000/2.1260 54.020/2.1268	2.004/0.0789		20.00/0.787	F780	10	1947 IH
	Thrust								
1T1952 Std. +0.125 +0.25		55.750/2.1949 56.000/2.2047	77.600/3.0551 77.850/3.0650			2.49/0.098	F817	2	1952T IH

Note: Set includes two pieces, use on No. 4 position. Required with 5M1947 main set.

9 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1668cc (1.7) (D17A1)		**L4**	**75mm x 94.4mm**	**Connecting Rod 24 ft.lbs/32 Nm**
1668cc (1.7) (D17A2)		**L4**	**75mm x 94.4mm**	**Main Bearing 18 ft.lbs/24 Nm** Stage 1
1668cc (1.7) (D17A6)		**L4**	**75mm x 94.4mm**	**Main Bearing 38 ft.lbs/51 Nm** Stage 2
1668cc (1.7) (D17A7)		**L4**	**75mm x 94.4mm**	
1700cc (1.7) (D17A1)		**L4**	**75mm x 94.4mm**	
1700cc (1.7) (D17A2)		**L4**	**75mm x 94.4mm**	
1700cc (1.7) (D17A6)		**L4**	**75mm x 94.4mm**	
1700cc (1.7) (D17A7)		**L4**	**75mm x 94.4mm**	

	Rod								
4B1980 Std. .25 .50		44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591	.018/.0007 .042/.0017	15.50/0.610	F780	8	1980 IH
	Main								
5M1957 Std. .25 .50 .75 1.0	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.007/0.0790	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957 IH
	Thrust								
1T1957 Std.	4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH

Note: Set includes two pieces, use on No. 4 position. Required with 5M1957 main set.

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**10**
1958cc (2.0) B20A3/B20A5			**L4**	**81mm x 95mm**	**Connecting Rod 23 ft.lbs/31 Nm** (B20A3 engine)				
1958cc (2.0) (B20A5)			**L4**	**81mm x 95mm**	**Connecting Rod 34 ft.lbs/46 Nm** (B20A5 & B21A1 engines)				
2056cc (2.1) (B21A1)			**L4**	**83mm x 95mm**	**Main Bearings 49 ft.lbs/67Nm**				
Rod - for DOHC engines only (B20A5/B21A1).									
	47.955/1.8880 47.976/1.8888	51.003/2.0080 51.024/2.0088	1.504/0.0592	.020/.0008 .086/.0034	19.40/0.764	F780	8	1936 IH	**4B1936** Std. .25 .50 .75 1.0
Rod - for SOHC engines only (B20A3).									
	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.504/0.0592		19.50/0.768	F780	8	1946 IH	**4B1946** Std. .25 .50 .75 1.0
Main									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.007/0.0790	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957 IH	**5M1957** Std. .25 .50 .75 1.0
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.
Note: Set includes two pieces, use on No. 4 position. Required with 5M1957 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**11**
1998cc (2.0) K20A2			**L4**	**86mm x 86mm**	**Connecting Rod 14 ft.lbs + 90 deg**				
2354cc (2.4) (K24A1)			**L4**	**87mm x 99mm**	**Main Bearings 22 ft.lbs + 56 deg**				
2354cc (2.4) (K24A4)			**L4**	**87mm x 99mm**					
2354cc (2.4) (K24A8)			**L4**	**87mm x 99mm**					
2400cc (2.4) (K24A1)			**L4**	**87mm x 99mm**					
2400cc (2.4) (K24A4)			**L4**	**87mm x 99mm**					
Rod - Race Series material									
	47.980/1.8890 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.500/0.0591	.020/.0008 .055/.0022	15.40/0.606	F781	8	1972H IH	**4B1972H** Std. .025 .25 .50
Rod - Race Series material - bearings are 0.0005" thinner per half to give 0.001" extra clearance for standard sized cranks.									
	47.980/1.8890 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.487/0.0585	.030/.0012 .090/.0035	15.40/0.606	F781	8	1972HX IH	**4B1972HX** Std.
Main - Race Series material									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788		20.00/0.787	F780	10	1959H U/L	**5M1959H** Std. .025 .25
Main - Race Series material - bearings are 0.0005" thinner per half to give 0.001" extra clearance for standard sized cranks.									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783		20.00/0.787	F780	10	1959HX U/L	**5M1959HX** Std.
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.
Note: Set includes two pieces, use on No. 4 position. Required with 5M1959H main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**12**
1998cc (2.0) (K20A3)			**L4**	**86mm x 86mm**	**Connecting Rod 14 ft.lbs + 90 deg** **Main Bearings 22 ft.lbs + 56 deg**				
Rod - Race Series material									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591	.032/.0013 .050/.0020	15.50/0.610	F781	8	1906H IH	**4B1906H** Std. .025 .25 .50
Rod - Race Series material - bearings are 0.0005" thinner per half to give 0.001" extra clearance for standard sized cranks.									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.489/0.0586	.046/.0018 .063/.0025	15.50/0.610	F781	8	1906HX IH	**4B1906HX** Std.
Main - Race Series material									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788		20.00/0.787	F780	10	1959H U/L	**5M1959H** Std. .025 .25

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
12 (Cont'd.)									
	Main - Race Series material - bearings are 0.0005" thinner per half to give 0.001" extra clearance for standard sized cranks.								
5M1959HX Std.	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783		20.00/0.787	F780	10	1959HX U/L
	Thrust								
1T1957 Std.	4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M1959H main set.								

13 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1997cc (2.0) (F20C1)		**L4**	**87mm x 84mm**	**Connecting Rod 18 ft.lbs + 90 deg**
2157cc (2.2) (F22C1)		**L4**	**87mm x 90.7mm**	**Main Bearing 16 ft.lbs** 8 mm Bolts **Main Bearings 22 ft.lbs + 60 deg**

	Rod - Race Series material								
4B1912H Std. .025 .25		47.980/1.8890 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.496/0.0589	.020/.0008 .055/.0022	19.40/0.764	F781	8	1912H IH
	Rod - Race Series material - bearings are 0.0005" thinner per half to give 0.001" extra clearance for standard sized cranks.								
4B1912HX Std.		47.980/1.8890 48.000/1.8898	51.044/2.0096 51.024/2.0088	1.483/0.0584	.045/.0018 .081/.0032	19.40/0.764	F781	8	1912HX IH
	Main - Race Series material								
5M1913H Std. .025 .25	1-5	54.976/2.1644 55.000/2.1654	60.000/2.3622 60.020/2.3630	2.504/0.0986	.030/.0012 .054/.0021	20.00/0.787	F780	10	1913H IH
	Main - Race Series material - bearings are 0.0005" thinner per half to give 0.001" extra clearance for standard sized cranks.								
5M1913HX Std.	1-5	54.976/2.1644 55.000/2.1654	60.000/2.3622 60.020/2.3630	2.504/0.0986	.030/.0012 .054/.0021	20.00/0.787	F780	10	1913HX IH

14 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2156cc (2.2) (F22A1)		**L4**	**85mm x 95mm**	**Connecting Rod 34 ft.lbs/46 Nm**
2156cc (2.2) (F22A4)		**L4**	**85mm x 95mm**	**Main Bearing 52 ft.lbs/70 Nm**
2156cc (2.2) (F22A6)		**L4**	**85mm x 95mm**	
2156cc (2.2) (F22B1)		**L4**	**85mm x 95mm**	
2156cc (2.2) (F22B2)		**L4**	**85mm x 95mm**	
2156cc (2.2) (F22B6)		**L4**	**85mm x 95mm**	
2156cc (2.2) (H22A1)		**L4**	**85mm x 95mm**	

	Rod								
4B1936 Std. .25 .50 .75 1.0		47.955/1.8880 47.976/1.8888	51.003/2.0080 51.024/2.0088	1.504/0.0592	.020/.0008 .086/.0034	19.40/0.764	F780	8	1936 IH
	Main								
5M1937 Std. .25 .50	1-5	49.980/1.9677 50.000/1.9685	54.000/2.1260 54.020/2.1268	2.004/0.0789		20.00/0.787	F780	10	1937 IH
	Thrust								
1T1937 Std.	4	57.650/2.2697 57.900/2.2795	77.600/3.0551 77.850/3.0650			2.49/0.098	F817	2	1937T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M1937 main set.								

15 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2156cc (2.2) (H22A4)		**L4**	**85mm x 95mm**	**Connecting Rod 34 ft.lbs/46 Nm** **Main Bearing** Consult Service Manual

	Rod								
4B1912 Std. .25 .50		47.980/1.8890 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.496/0.0589	.020/.0008 .055/.0022	19.40/0.764	F780	8	1912 IH
	Main								
5M1957 Std. .25 .50 .75 1.0	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.007/0.0790	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 15
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.
Note: Set includes two pieces. Required with 5M1957 main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	16
2234cc (2.3) (F23A7)		**L4**	**86mm x 97mm**	**Connecting Rod 34 ft.lbs/45 Nm**	
2254cc (2.3) (F23A1)		**L4**	**86mm x 97mm**	**Main Bearing 22 ft.lbs/30 Nm** Stage 1	
2254cc (2.3) (F23A4)		**L4**	**86mm x 97mm**	**Main Bearing 58 ft.lbs/78 Nm** Stage 2	
2254cc (2.3) (F23A5)		**L4**	**86mm x 97mm**		

Rod - Race Series material.									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591	.032/.0013 .050/.0020	15.50/0.610	F781	8	1906H IH	**4B1906H** Std. .025 .25 .50
Rod - Race Series material - bearings are 0.0005" thinner per half to give 0.001" extra clearance for standard sized cranks.									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.489/0.0586	.046/.0018 .063/.0025	15.50/0.610	F781	8	1906HX IH	**4B1906HX** Std.
Main									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.007/0.0790	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957 IH	**5M1957** Std. .25 .50 .75 1.0
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.
Note: Set includes two pieces, use on No. 4 position. Required with 5M1957 main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	17
2259cc (2.3) (H23A1)		**L4**	**87mm x 95mm**	**Connecting Rod 35 ft.lbs/47 Nm** **Main Bearing 22 ft.lbs/30 Nm** Step 1 (tighten from center cap outwards) **Main Bearing 54 ft.lbs/73 Nm** Step 2	

Rod									
	47.955/1.8880 47.976/1.8888	51.003/2.0080 51.024/2.0088	1.504/0.0592	.020/.0008 .086/.0034	19.40/0.764	F780	8	1936 IH	**4B1936** Std. .25 .50 .75 1.0
Main									
1-5	49.980/1.9677 50.000/1.9685	54.000/2.1260 54.020/2.1268	2.004/0.0789		20.00/0.787	F780	10	1937 IH	**5M1937** Std. .25 .50
Thrust									
4	57.650/2.2697 57.900/2.2795	77.600/3.0551 77.850/3.0650			2.49/0.098	F817	2	1937T IH	**1T1937** Std.
Note: Set includes two pieces, use on No. 4 position. Required with 5M1937 main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	18
2559cc (2.6) (4ZE1)		**L4**	**92.6mm x 95mm**	**Connecting Rod 43 ft.lbs/58 Nm** **Main Bearing 72 ft.lbs/98 Nm**	

Rod									
	48.927/1.9263 48.940/1.9268	51.985/2.0466 52.005/2.0474	1.510/0.0594	.025/.0010 .084/.0033	22.00/0.866	F780	8	1820 IH	**4B1820** Std. .25 .50 .75 1.0
Main									
1-5	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.008/0.0791	.032/.0013 .091/.0036	21.75/0.856	F780	10	1824 U/L	**5M1824** Std. .25 .50 .75 1.0
Thrust									
3	63.750/2.5098 64.000/2.5197	79.934/3.1470 80.188/3.1570			2.36/0.093	F817	2	1824T IH	**1T1824** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M1824 set.									

HONDA

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
19 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
2675cc (2.7) (C27A4)			**V6**	**87mm x 75mm**		**Connecting Rod 33 ft. lbs/45 Nm** **Main Bearing 29 ft.lbs/39 Nm** (11mm bolts) **Main Bearing 33 ft.lbs** (Bridge bolts) **Main Bearing 36 ft.lbs** (Side bolts)			
	Rod								
6B1935 Std. .25 .50 .75		51.981/2.0465 51.999/2.0472	55.000/2.1654 55.025/2.1663	1.504/0.0592	.005/.0002 .072/.0028	17.50/0.689	F780	12	1935 IH
	Main - for engines with 2.7165" max housing bore.								
4M1933 Std. .25 .50 .75	1,2,3,4	63.974/2.5187 64.000/2.5197	68.986/2.7160 69.000/2.7165	2.505/0.0986		20.00/0.787	F870	8	1933 U/L
	Thrust								
1T1934 Std.		75.250/2.9626 75.500/2.9724	93.750/3.6909 94.000/3.7008			2.50/0.098	F817	2	1934T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 4M1933 main set.								
20 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
3165cc (3.2) (6VD1)			**V6**	**93.4mm x 77mm**		**Connecting Rod 40 ft. lbs/54 Nm** **Main Bearing 29 ft.lbs/39 Nm**			
	Rod								
6B1840 Std. .25 .50 .75 1.0		53.922/2.1229 53.937/2.1235	56.982/2.2434 57.000/2.2441	1.513/0.0596	.019/.0007 .078/.0031	17.12/0.674	F780	12	1840 IH
	Main								
4M1842 Std. .25 .50 .75 1.0	1,4	63.919/2.5165 63.932/2.5170	68.979/2.7157 68.999/2.7165	2.527/0.0995	.025/.0010 .084/.0033	18.50/0.728	F780	4	1842 IH
	2,3	63.919/2.5165 63.932/2.5170	68.979/2.7157 68.999/2.7165	2.527/0.0995	.025/.0010 .084/.0033	16.50/0.650	F780	4	1843 U/L
	Thrust								
1T1842 Std.		71.000/2.7953 71.250/2.8051	97.550/3.8405 97.800/3.8504			1.95/0.077	F817	2	1842T IH
	Note: Set includes two pieces. Required with 4M1842 main set.								

HONDA PERFORMANCE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1590cc (1.6).....	(D16A6)		L4	88-91	1
1590cc (1.6).....	(D16Y5/7/8)		L4	96-00	1
1590cc (1.6).....	VTEC (D16Z6)		L4	92-95	1
1678cc (1.7).....	(B17A1)		L4		2
1797cc (1.8).....	VTEC (B18C1)		L4		3
1797cc (1.8).....	VTEC (B18C5)		L4		3
1834cc (1.8).....	(B18A1)		L4		2
1834cc (1.8).....	(B18B1)		L4		2
1997cc (2.0).....	(F20C1)		L4	00-04	6
1998cc (2.0).....	VTEC (K20A2)		L4		4
1998cc (2.0).....	IVTEC (K20A3)		L4	02-05	5
2156cc (2.2).....	(H22A4)		L4	97-01	7
2157cc (2.2).....	(F22C1)		L4	05-05	6
2234cc (2.3).....	(F23A)		L4	98-02	8
2354cc (2.4).....	VTEC (K24A)		L4	03-06	4

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE — VIN — CYL — Bore x Stroke — TORQUE SETTINGS (1)

1590cc (1.6) (D16A6) — **L4** — **75mm x 90mm**
1590cc (1.6) (D16Y5/7/8) — **L4** — **75mm x 90mm**
1590cc (1.6) VTEC (D16Z6) — **L4** — **75mm x 90mm**

Connecting Rod 20 ft.lbs/27 Nm (1988-89 engines)
Connecting Rod 23 ft.lbs/31 Nm (1990-95 engines)
Main Bearing 33 ft.lbs/45 Nm (1988-89 engines)
Main Bearing 47 ft.lbs/64 Nm (1990-95 engines)
Connecting Rod 23 ft.lbs/31 Nm D16Y engines
Main Bearing 18 ft.lbs D16Y engines - Step 1
Main Bearing 38 ft.lbs D16Y engines - Step 2

Rod - Race Series.

	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.499/0.0590	.020/.0008 .038/.0015	18.50/0.728	F781	8	1956H IH	**4B1956H** Std. .025 .25

Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.

	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.486/0.0585	.045/.0018 .063/.0025	18.50/0.728	F781	8	1956HX IH	**4B1956HX** Std.

Main - Race Series.

1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957H IH	**5M1957H** Std. .025 .25

Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.

1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783	.030/.0012 .097/.0038	20.00/0.787	F780	10	1957HX IH	**5M1957HX** Std.

Thrust

4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.

Note: Set includes two pieces, use on No. 4 position. Required with 5M1957H/HX main set.

ENGINE — VIN — CYL — Bore x Stroke — TORQUE SETTINGS (2)

1678cc (1.7) (B17A1) — **L4** — **81mm x 81mm**
1834cc (1.8) (B18A1) — **L4** — **81mm x 89mm**
1834cc (1.8) (B18B1) — **L4** — **81mm x 89mm**

Connecting Rod 14 ft.lbs/20 Nm Stage 1 (B17A1 eng. only)
Connecting Rod 23 ft.lbs/32 Nm Stage 2 (B17A1 eng. only)
Main Bearing 56 ft.lbs/76 Nm (B17A1 eng. only)
Connecting Rod 30 ft.lbs/41Nm (B18A1 engines only)
Main Bearing 56 ft.lbs/76 Nm (B18A1 engines only)
Connecting Rod 15 ft.lbs/20 Nm Stage 1 (B18B1 eng. only)
Connecting Rod 24 ft.lbs/33 Nm Stage 2 (B18B1 eng. only)
Main Bearing 22 ft.lbs/30 Nm Stage 1 (B18B1 eng. only)
Main Bearing 58 ft.lbs/79 Nm Stage 2 (B18B1 eng. only)

Rod - Race Series.

	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.504/0.0592		19.50/0.768	F781	8	1946H IH	**4B1946H** Std. .025 .25

Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.

	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.491/0.0587		19.50/0.768	F781	8	1946HX IH	**4B1946HX** Std.

Main - Race Series.

1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788		20.00/0.787	F780	10	1959H U/L	**5M1959H** Std. .025 .25

Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.

1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783		20.00/0.787	F780	10	1959HX U/L	**5M1959HX** Std.

HONDA PERFORMANCE

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	Thrust								
1T1957 Std.	4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M1959H/HX main set.								
3 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
1797cc (1.8) VTEC (B18C1)			**L4**	**81mm x 87.2mm**	**Connecting Rod 15 ft.lbs/20 Nm** Stage 1				
1797cc (1.8) VTEC (B18C5)			**L4**	**81mm x 87.2mm**	**Connecting Rod 33 ft.lbs/45 Nm** Stage 2 **Main Bearing 22 ft.lbs/30 Nm** Stage 1 (All bolts) **Main Bearing 49 ft.lbs/66 Nm** Stage 2 (Bolts #2, 3 & 4) **Main Bearing 56 ft.lbs/76 Nm** Stage 2 (Bolts #1 & 5)				
	Rod - Race Series.								
4B1925H Std. .025 .25		44.976/1.7707 45.000/1.7717	48.000/1.8898 (nominal)	1.502/0.0591	.032/.0013 .050/.0020	17.50/0.689	F781	8	1925H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
4B1925HX Std.		44.976/1.7707 45.000/1.7717	48.000/1.8898 (nominal)	1.489/0.0586	.057/.0022 .075/.0030	17.50/0.689	F781	8	1925HX IH
	Main - Race Series.								
5M1959H Std. .025 .25	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788		20.00/0.787	F780	10	1959H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
5M1959HX Std.	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783		20.00/0.787	F780	10	1959HX U/L
	Thrust								
1T1957 Std.	4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M1959H/HX main set.								
4 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
1998cc (2.0) VTEC (K20A2)			**L4**	**86mm x 86mm**	**Connecting Rod**				
2354cc (2.4) VTEC (K24A)			**L4**	**87mm x 99mm**	**Main Bearing 22 ft.lbs/30 Nm + 56 deg**				
	Rod - Race Series.								
4B1972H Std. .025 .25 .50		47.980/1.8890 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.500/0.0591	.020/.0008 .055/.0022	15.40/0.606	F781	8	1972H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
4B1972HX Std.		47.980/1.8890 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.487/0.0585	.030/.0012 .090/.0035	15.40/0.606	F781	8	1972HX IH
	Main - Race Series.								
5M1959H Std. .025 .25	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788		20.00/0.787	F780	10	1959H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M1959HX Std.	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783		20.00/0.787	F780	10	1959HX U/L
	Thrust								
1T1957 Std.	4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH
	Set includes two pieces. Required with 5M1959H/HX main set.								
5 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
1998cc (2.0) IVTEC (K20A3)			**L4**	**86mm x 86mm**	**Connecting Rod 14 ft.lbs + 90 deg**				
	Rod - Race Series.								
4B1906H Std. .025 .25 .50		44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591	.032/.0013 .050/.0020	15.50/0.610	F781	8	1906H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
4B1906HX Std.		44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.489/0.0586	.046/.0018 .063/.0025	15.50/0.610	F781	8	1906HX IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 5
Main - Race Series.									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788		20.00/0.787	F780	10	1959H U/L	**5M1959H** Std. .025 .25
Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783		20.00/0.787	F780	10	1959HX U/L	**5M1959HX** Std.
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.
Set includes two pieces. Required with 5M1959H/HX main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
1997cc (2.0) (F20C1) **2157cc (2.2) (F22C1)**		**L4** **L4**	**87mm x 84mm** **87mm x 90.7mm**	**Connecting Rod 18 ft.lbs + 90 deg** **Main Bearing 16 ft.lbs** 8 mm Bolts **Main Bearings 22 ft.lbs + 60 deg**	6
Rod - Race Series.					
	47.980/1.8890 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.496/0.0589	.020/.0008 .055/.0022	19.40/0.764	F781	8	1912H IH	**4B1912H** Std. .025 .25
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	47.980/1.8890 48.000/1.8898	51.044/2.0096 51.024/2.0088	1.483/0.0584	.045/.0018 .081/.0032	19.40/0.764	F781	8	1912HX IH	**4B1912HX** Std.
Main - Race Series.									
1-5	54.976/2.1644 55.000/2.1654	60.000/2.3622 60.020/2.3630	2.504/0.0986	.030/.0012 .054/.0021	20.00/0.787	F780	10	1913H IH	**5M1913H** Std. .025 .25
Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1-5	54.976/2.1644 55.000/2.1654	60.000/2.3622 60.020/2.3630	2.504/0.0986	.030/.0012 .054/.0021	20.00/0.787	F780	10	1913HX IH	**5M1913HX** Std.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2156cc (2.2) (H22A4)		**L4**	**85mm x 95mm**	**Connecting Rod 34 ft.lbs/46 Nm** **Main Bearing** Consult Service Manual	7
Rod - Race Series.					
	47.980/1.8890 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.496/0.0589	.020/.0008 .055/.0022	19.40/0.764	F781	8	1912H IH	**4B1912H** Std. .025 .25
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	47.980/1.8890 48.000/1.8898	51.044/2.0096 51.024/2.0088	1.483/0.0584	.045/.0018 .081/.0032	19.40/0.764	F781	8	1912HX IH	**4B1912HX** Std.
Main - Race Series.									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957H IH	**5M1957H** Std. .025 .25
Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783	.030/.0012 .097/.0038	20.00/0.787	F780	10	1957HX IH	**5M1957HX** Std.
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.
Set includes two pieces. Required with 5M1957H/HX main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2234cc (2.3) (F23A)		**L4**	**86mm x 97mm**	**Connecting Rod 34 ft.lbs/45 Nm** **Main Bearing 22 ft.lbs/30 Nm** Stage 1 **Main Bearing 58 ft.lbs/78 Nm** Stage 2	8
Rod - Race Series.					
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591	.032/.0013 .050/.0020	15.50/0.610	F781	8	1906H IH	**4B1906H** Std. .025 .25 .50

HONDA PERFORMANCE

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
8 (Cont'd.)									
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
4B1906HX Std.		44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.489/0.0586	.046/.0018 .063/.0025	15.50/0.610	F781	8	1906HX IH
	Main - Race Series.								
5M1957H Std. .025 .25	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.002/0.0788	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957H IH
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M1957HX Std.	1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	1.989/0.0783	.030/.0012 .097/.0038	20.00/0.787	F780	10	1957HX IH
	Thrust								
1T1957 Std.	4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M1957H/HX main set.								

HUMMER ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
211 3460cc (3.5)...		6	L5	06-06	1
364 (6.0)		U	V8	03-06	2
395 (6.5)	Turbo,Diesel	Z	V8	02-04	3

HUMMER MODEL INDEX

Model	CID	cc	Liter	Description	Years
H1 - 4 PASSENGER HARD DOOR OPEN TOP	395		6.5		02-04
H2	364		6.0		03-06
H3	211	3460	3.5		06

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
211 3460cc (3.5)		**6**	**L5**	**93.0mm x 101.6mm**					
Rod									
	56.694/2.2320 56.707/2.2326	60.322/2.3749 60.338/2.3755	1.802/0.0709	.011/.0004 .059/.0023	20.75/0.817	F810	10	2290A IH	**5B2290A** Std. .25 .50 .75
Rod - .002" oversize OD version of 5B2290A.									
	56.691/2.2319 56.707/2.2326	60.372/2.3768 60.388/2.3775	1.952/0.0769 (@ 0.25mm u/size)	.011/.0004 .059/.0023	20.75/0.817	F810	10	9102A IH	**5B2290AO/S2** .25 .50 .75 1.0
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
364 (6.0)		**U**	**V8**	**101.6mm x 92mm**	**Connecting Rod 15 ft.lbs/20 Nm + 60 deg.** **Main Bearing** Consult service manual				
Rod - High Strength Aluminum Silicon material.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A	**8B663A** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 8B663A.									
	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH	**8B663AO/S2** 10 20 30 40
Rod									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH	**8B663P** Std. 01 10 20 30 40 50 60
Rod - .002" oversize OD version of 8B663P.									
	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH	**8B663PO/S2** 10 20 30 40
Main - High Strength Aluminum Silicon material.									
1,2,4,5	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.006/.0002 .046/.0018	20.45/0.805	F810	8	7298A U/L	**5M7298A** Std. 10 20 30 40
3 (FI)	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.002/.0001 .046/.0018	26.10/1.028	F810	2	7299A U/L	
Cam - 1997-2003 with 1st design # 1 & 5 housing size of 2.3260"-2.3280".									
1,5	54.991/2.1650 55.042/2.1670	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1	**5C1000S** Std.
2,4	54.991/2.1650 55.042/2.1670	58.829/2.3161 58.879/2.3181	1.880/0.0740		16.00/0.630	F23	2	CH-10-2	
3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3	
Cam - 2003 on with 2nd design # 1 & 5 housing size of 2.3460"-2.3480".									
1,5	54.991/2.1650 55.042/2.1670	59.588/2.3460 59.639/2.3480	2.260/0.0890		16.00/0.630	F23	2	CH-23-1	**5C1001S** Std.
2,4	54.991/2.1650 54.042/2.1276	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1	
3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3	

HUMMER

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
395 (6.5) Turbo Diesel			**Z V8**	**4.06 x 3.82**		**Connecting Rod 48 ft. lbs** **Main Bearing 100 ft.lbs** (outer bolt - 6.2 diesel engine only) **Main Bearing 110 ft.lbs** (inner bolt) **Main Bearing 111 ft.lbs** (outer bolt - 6.5 diesel engine only)			
	Rod								
8B1286P Std. .025 .25 .50 .75		60.914/2.3982 60.940/2.3992	64.125/2.5246 64.150/2.5256	1.570/0.0618	.048/.0019 .120/.0047	22.91/0.902	F780	16	1292 IH
	Main - For all 6.2L & 6.5L engines.								
5M2091P Std. .025 .25 .50 .75 1.0	1,2,4	74.917/2.9495 74.940/2.9504	79.825/3.1427 79.850/3.1437	2.425/0.0955	.040/.0016 .114/.0045	22.78/0.897	F780	6	2087 U/L
	3 (FI)	74.917/2.9495 74.940/2.9504	79.825/3.1427 79.850/3.1437	2.425/0.0955	.040/.0016 .114/.0045	28.70/1.130	F780	2	2089 U/L
	5	74.912/2.9493 74.937/2.9503	79.825/3.1427 79.850/3.1437	2.425/0.0955	.045/.0018 .119/.0047	35.33/1.391	F780	2	2088 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C1199S Std.	1	54.976/2.1644 55.024/2.1663	59.106/2.3270 59.157/2.3290	2.030/0.0798		22.86/0.900	F23	1	GM-7-1
	2	54.976/2.1644 55.024/2.1663	58.877/2.3180 58.928/2.3200	1.910/0.0753		19.81/0.780	F23	1	GM-7-2
	3	54.976/2.1644 55.024/2.1663	58.623/2.3080 58.674/2.3100	1.790/0.0703		19.81/0.780	F23	1	GM-7-3
	4	54.976/2.1644 55.024/2.1663	58.369/2.2980 58.420/2.3000	1.660/0.0653		19.81/0.780	F23	1	GM-7-4
	5	50.975/2.0069 51.026/2.0089	54.381/2.1410 54.432/2.1430	1.660/0.0655		19.81/0.780	F23	1	GM-7-5
	Small End - semi-finished - .020" bore stock allowance.								
RB3864Y20 Semi		31.026/1.2215 (Finished ID Size)	33.139/1.3047 (Nominal)			25.40/1.000	F100	1	3864Y20

HYUNDAI ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
85 1393cc (1.4).....	Mits 4G33	E	L4	83-87	1
1468cc (1.5).....	4G15/G4DJ	J	L4	90-94	2
1468cc (1.5).....	G15B/G4AJ	J	L4	86-89	2
1468cc (1.5).....	G15B/G4AJ	K	L4	86-86	2
1495cc (1.5).....	G4EK	N	L4	93-97	3
1495cc (1.5).....	G4EK, Turbo	N	L4	93-95	3
1495cc (1.5).....	(G4EK)	N	L4	98-02	3
1495cc (1.5).....	DOHC (G4FK)		L4	96-98	3
1596cc (1.6).....	Mits G32B	K	L4	84-87	5
1596cc (1.6).....	G4CR	R	L4	92-95	4
1600cc (1.6).....	G4ED	C	L4	02-05	3
1600cc (1.6).....	G4ED	N	L4	01-01	3
1795cc (1.8).....	G4GM	M	L4	96-98	6
1836cc (1.8).....	G4CN	M	L4	93-95	4
1975cc (2.0).....	G4GC		L4	01-05	6
1975cc (2.0).....	G4GF		L4	97-00	6
1997cc (2.0).....	G4CP	F	L4	92-97	7
1997cc (2.0).....	(G4CP)	F	L4	98-01	7
2351cc (2.4).....	G4JS		L4	01-05	9
2351cc (2.4).....	G4CS	S	L4	89-91	8
2351cc (2.4).....	G4JS	S	L4	99-03	9
2493cc (2.5).....	G6BV	V	V6	99-01	10
2656cc (2.7).....	G6BA		V6	01-05	10
2972cc (3.0).....	G6AT	T	V6	90-97	11
2972cc (3.0).....	(G6AT)	T	V6	98-98	11
3500cc (3.5).....	G6CU		V6	02-05	12

HYUNDAI MODEL INDEX

Model	CID	cc	Liter	Description	Years
ACCENT		1495	1.5		98-02
		1495	1.5	G4EK	95-96
		1600	1.6	G4ED	01-04
ACCENT - GL		1495	1.5	G4EK	95-97
ACCENT - GLS		1600	1.6	G4ED	05
ACCENT - GS		1495	1.5	G4EK	97
ACCENT - GT		1495	1.5	G4EK	96-97
		1600	1.6	G4ED	05
ACCENT - L		1495	1.5	G4EK	95-97
ELANTRA		1596	1.6	G4CR	92-95
		1795	1.8	G4GM	96-97
		1836	1.8	G4CN	93-95
ELANTRA - GL		1596	1.6	G4CR	92-95
		1836	1.8	G4CN	93-95
ELANTRA - GLS		1596	1.6	G4CR	92
		1795	1.8	G4GM	96-97
		1836	1.8	G4CN	93-95
		1975	2.0	G4GC	04-05
ELANTRA - GT		1975	2.0	G4GC	04-05
EXCEL		1468	1.5	4G15/G4DJ	91-94
EXCEL - CX		1468	1.5	4G15/G4DJ	93-94
EXCEL - CXL		1468	1.5	4G15/G4DJ	92-94
EXCEL - GL		1468	1.5	4G15/G4DJ	90-94
		1468	1.5	G15B/G4AJ	86-89
EXCEL - GLS		1468	1.5	4G15/G4DJ	90-91
		1468	1.5	G15B/G4AJ	86-89
EXCEL - GS		1468	1.5	4G15/G4DJ	92-94
EXCEL - L		1468	1.5	4G15/G4DJ	90-92
		1468	1.5	G15B/G4AJ	86-89
PONY	85	1393	1.4	Mits 4G33	84-85
		1596	1.6	Mits G32B	84
PONY - GL DELUXE	85	1393	1.4	Mits 4G33	83-85
		1596	1.6	Mits G32B	87
PONY - GLS GLORY	85	1393	1.4	Mits 4G33	83
		1468	1.5	G15B/G4AJ	86
		1596	1.6	Mits G32B	85
PONY - L	85	1393	1.4	Mits 4G33	83-87
		1468	1.5	G15B/G4AJ	86
SANTA FE		2351	2.4	G4JS	01-04
		2656	2.7	G6BA	01-05
		3500	3.5	G6CU	03-05
SCOUPE		1468	1.5	4G15/G4DJ	91-92
		1495	1.5	G4EK	93-95
SCOUPE - LS		1468	1.5	4G15/G4DJ	91-92
		1495	1.5	G4EK	94-95
SONATA		1997	2.0		98
		1997	2.0	G4CP	92-97
		2351	2.4	G4CS	89-91
		2351	2.4	G4JS	99-04
		2493	2.5	G6BV	99-01
		2656	2.7	G6BA	02-04
		2972	3.0		98
		2972	3.0	G6AT	90-94
SONATA - DELUXE		2351	2.4	G4CS	89
SONATA - GL		1997	2.0	G4CP	92-97
		2351	2.4	G4CS	89-91
		2351	2.4	G4JS	05
		2656	2.7	G6BA	05
		2972	3.0	G6AT	90-97
SONATA - GLS		1997	2.0	G4CP	92-94
		2351	2.4	G4CS	89-91
		2656	2.7	G6BA	02-05
		2972	3.0	G6AT	90-97
SONATA - LX		2656	2.7	G6BA	05
SONATA - SPORT DELUXE		2351	2.4	G4CS	89
STELLAR - GSL SUPER		1468	1.5	G15B/G4AJ	86
		1596	1.6	Mits G32B	85
STELLAR - SL DELUXE		1468	1.5	G15B/G4AJ	86
		1596	1.6	Mits G32B	85
TIBURON		1795	1.8	G4GM	97
		1975	2.0	G4GC	03-04
		1997	2.0		98-01
TIBURON - FX		1997	2.0		98
TIBURON - GS		1975	2.0	G4GC	05
TIBURON - GT		2656	2.7	G6BA	03-05
TIBURON - SE		2656	2.7	G6BA	05
TUCSON - GL		1975	2.0	G4GC	05
TUCSON - GLS		2656	2.7	G6BA	05
TUCSON - LX		2656	2.7	G6BA	05
XG350		3500	3.5	G6CU	02-05
XG350 - L		3500	3.5	G6CU	02-04

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**1**
85 1393cc (1.4) Mits 4G33			**E**	**L4**	**73mm x 86mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm** **Main Bearing 36-40 ft.lbs/49-54 Nm**			
Rod									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH	**4B1146** Std. .25 .50 .75 1.0

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 (Cont'd.)									
	Main								
5M1147 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.00/0.906	F810	8	1147A IH
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
2 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
1468cc (1.5) 4G15/G4DJ		**J**	**L4**	**76mm x 82mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**				
1468cc (1.5) G15B/G4AJ		**J**	**L4**	**76mm x 82mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**				
1468cc (1.5) G15B/G4AJ		**K**	**L4**	**76mm x 82mm**					
	Rod - for engines from 1989-94.								
4B1130 Std. .25 .50 .75 1.0		41.981/1.6528 42.000/1.6535	45.000/1.7717 45.020/1.7724	1.493/0.0588	.015/.0006 .079/.0031	15.60/0.614	F810	8	1130A IH
	Rod - for engines from 1986 - 88 only.								
4B1736 Std. .25 .50 .75 1.0		41.981/1.6528 42.000/1.6535	45.000/1.7717 45.020/1.7724	1.493/0.0588	.015/.0006 .071/.0028	17.63/0.694	F820	8	1736AL IH
	Main								
5M1124 Std. .25 .50 .75	1,2,4,5	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .085/.0033	19.13/0.753	F810	8	1124A U/L
	3(FI)	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .085/.0033	23.95/0.943	F810	2	1125A IH
	Overflange length remains constant for standard and undersizes.								
3 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
1495cc (1.5) G4EK		**N**	**L4**	**75.5mm x 83.5mm**	**Connecting Rod 26-28 ft.lbs/35-38 Nm** (Tighten				
1495cc (1.5) G4EK Turbo		**N**	**L4**	**75.5mm x 83.5mm**	evenly in two or three steps)				
1495cc (1.5) (G4EK)		**N**	**L4**	**75.5mm x 83.5mm**	**Main Bearing 41-44 ft.lbs/55-60 Nm**				
1495cc (1.5) DOHC (G4FK)			**L4**	**75.5mm x 83.5mm**					
1600cc (1.6) G4ED		**C**	**L4**	**75.5mm x 83.5mm**					
1600cc (1.6) G4ED		**N**	**L4**	**75.5mm x 83.5mm**					
	Rod								
4B1201 Std. .25 .50 .75		44.975/1.7707 44.990/1.7713	48.000/1.8898 48.020/1.8905	1.495/0.0589	.020/.0008 .071/.0028	19.12/0.753	F780	8	1201 IH
	Main								
5M1202 Std. .25 .50 .75	1,2,4,5	49.977/1.9676 49.992/1.9682	54.000/2.1260 54.020/2.1268	1.994/0.0785	.020/.0008 .071/.0028	18.13/0.714	F780	8	1202 U/L
	3 (FI)	49.977/1.9676 49.992/1.9682	54.000/2.1260 54.020/2.1268	1.994/0.0785	.020/.0008 .071/.0028	22.92/0.902	F780	2	1203 U/L
	Overflange length remains constant for standard and undersizes.								
4 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
1596cc (1.6) G4CR		**R**	**L4**	**82.3mm x 75mm**	**Connecting Rod 37-39 ft.lbs/50-53 Nm** (Tighten				
1836cc (1.8) G4CN		**M**	**L4**	**81.5mm x 88mm**	evenly in two or three steps)				
					Main Bearing 48-52 ft.lbs/65-70 Nm				
	Rod								
4B1146 Std. .25 .50 .75 1.0		44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH
	Main								
5M1153 Std. .25 .50 .75	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1153A L
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1154A IH
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**5**
1596cc (1.6) Mits G32B		**K**	**L4**	**76.9mm x 86mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm** **Main Bearing 36-40 ft.lbs/49-54 Nm**				
Rod									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH	**4B1146** Std. .25 .50 .75 1.0
Main									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U	**5M1144** Std. .25 .50 .75 1.0
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH	
Balance Shaft									
RHF	38.974/1.5344 (Max.)	42.024/1.6545 (Max.)	1.506/0.0593	.020/.0008 .076/.0030	19.25/0.758	F830	1	SH1465	**3BS8385** Std.
RHR, LHR	35.977/1.4164 (Max.)	39.025/1.5364 (Max.)	1.496/0.0589	.043/.0017 .099/.0039	16.00/0.630	F830	2	SH1466	
Cam Tower - Includes oil holes for upper position and wide bearings for #1 position. Line bore tunnel to 1.4966"/1.4976" (38.014/38.038mm).									
1	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	22.96/0.904	F23	2	SC762 U/L	**5SC761** Std.
2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC761 U	
2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC760 L	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**6**
1795cc (1.8) G4GM **1975cc (2.0) G4GC** **1975cc (2.0) G4GF**		**M**	**L4** **L4** **L4**	**82mm x 85mm** **82mm x 93.5mm** **82mm x 93.5mm**	**Connecting Rod 37-39 ft.lbs/50-53 Nm** (Tighten evenly in two or three steps) **Main Bearing 20-24 ft.lbs/27-33 Nm + 60 deg turn**				
Rod									
	44.975/1.7707 44.990/1.7713	48.003/1.8899 48.016/1.8904	1.498/0.0590	.017/.0007 .061/.0024	21.00/0.827	F780	8	1206 IH	**4B1206** Std. .25 .50 .75 1.0
Main									
1,2,4,5	56.977/2.2432 56.992/2.2438	61.000/2.4016 61.020/2.4024	1.994/0.0785	.020/.0008 .071/.0028	21.00/0.827	F780	8	1204 U/L	**5M1204** Std. .25 .50
3	56.977/2.2432 56.992/2.2438	61.000/2.4016 61.020/2.4024	1.994/0.0785	.020/.0008 .071/.0028	21.00/0.827	F780	2	1205 IH	
Thrust									
	63.000/2.4803 63.250/2.4902	84.500/3.3268 84.750/3.3366			2.47/0.097	F817	2	1204T IH	**1T1204** Std.
Set includes 2 pieces. Required with 5M1204 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**7**
1997cc (2.0) G4CP **1997cc (2.0) (G4CP)**		**F** **F**	**L4** **L4**	**85mm x 88mm** **85mm x 88mm**	**Connecting Rod 36-38 ft.lbs/49-52 Nm** **Main Bearing 47-51 ft.lbs/64-70 Nm**				
Rod									
	44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.493/0.0588	.016/.0006 .078/.0031	21.10/0.831	F810	8	1185A IH	**4B1185** Std. .25 .50 .75 1.0
Main									
1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L	**5M1186** Std. .25 .50 .75 1.0
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	25.40/1.000	F810	2	1187A IH	

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 (Cont'd.)									
	Main - Alt set to 5M1186 with +0.010" overflange length increase for undersizes. * See below for dimensional information.								
5M1213 .25 .50 .75 1.0	1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L
	3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	25.65/1.010	F810	2	1213A IH
	Stock not available from fee warehouses.								
	Balance Shaft								
3BS8389 Std. .25 .50	RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
	LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388
	RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389

*** DIMENSIONAL INFORMATION FOR 5M1213**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.50 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.75 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm

8 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2351cc (2.4) G4CS	**S**	**L4**	**86.5mm x 100mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm** **Main Bearing 36-40 ft.lbs/49-54 Nm**

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
	Rod								
4B1146 Std. .25 .50 .75 1.0		44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH
	Main								
5M1153 Std. .25 .50 .75	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1153A L
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1154A IH
	Balance Shaft								
3BS8389 Std. .25 .50	RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
	LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388
	RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389

9 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2351cc (2.4) G4JS		**L4**	**86.5mm x 100mm**	**Connecting Rod 13-16 ft.lbs + 90 deg**
2351cc (2.4) G4JS	**S**	**L4**	**86.5mm x 100mm**	**Main Bearing 18 ft.lbs + 90 deg**

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
	Rod								
4B1185 Std. .25 .50 .75 1.0		44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.493/0.0588	.016/.0006 .078/.0031	21.10/0.831	F810	8	1185A IH
	Main								
5M1219 Std. .25 .50 .75 1.0	1-5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	10	1186A U/L
	Thrust								
1T1219 Std.		63.100/2.4842 63.350/2.4941 (I.D.)	80.500/3.1693 80.750/3.1791 (O.D.)			2.11/0.083	F250	2	1219T IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN** **CYL** **Bore x Stroke**		**TORQUE SETTINGS**				**10**
2493cc (2.5) G6BV			**V** **V6** **84mm x 75mm**		**Connecting Rod 11-14 ft.lbs + 90 deg**				
2656cc (2.7) G6BA			**V6** **86.7mm x 75mm**		**Main Bearing 10-12 ft.lbs** M10 (2.7L engines) **Main Bearing 10-13 ft.lbs + 90 deg** M8 (2.5L engines) **Main Bearing 20-24 ft.lbs + 90 deg** M10 (2.5L engines) **Main Bearing 7-9 ft.lbs** M7 (2.7L engines)				
Rod									
	47.982/1.8891 48.000/1.8898	51.000/2.0079 51.020/2.0087	1.495/0.0589	.018/.0007 .036/.0014	15.00/0.591	F810	12	1210A IH	**6B1210A** Std. .25 .50 .75
Main									
1-4	61.982/2.4402 62.000/2.4409	66.020/2.5992 (Nominal)	2.013/0.0793	.021/.0008 .087/.0034	17.00/0.669	F810	8	1215A U/L	**4M1215A** Std. .25 .50 .75
Thrust									
	68.250/2.6870 68.500/2.6968	79.600/3.1339 79.850/3.1437			1.95/0.077	F817	4	1215T U/L	**2T1215** Std.
Note: Set includes four pieces. Required with 4M1215A main set.									
ENGINE			**VIN** **CYL** **Bore x Stroke**		**TORQUE SETTINGS**				**11**
2972cc (3.0) G6AT			**T** **V6** **91.1mm x 76mm**		**Connecting Rod 38 ft.lbs/52 Nm**				
2972cc (3.0) (G6AT)			**T** **V6** **91.1mm x 76mm**		**Main Bearing 60 ft.lbs/81 Nm**				
Rod									
	49.972/1.9674 50.000/1.9685	53.000/2.0866 53.020/2.0874	1.493/0.0588	.015/.0006 .089/.0035	15.50/0.610	F810	12	1140A IH	**6B1140** Std. .25 .50 .75 1.0
Main									
1-4	59.980/2.3614 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.988/0.0783	.020/.0008 .086/.0034	18.13/0.714	F810	8	1149A U/L	**4M1149** Std. .25 .50 .75 1.0
Thrust									
3	66.000/2.5984 66.250/2.6083	77.450/3.0492 77.700/3.0590			1.98/0.078	F817	4	1149T U/L	**2T1149** Std.
Note: Set includes four pieces, use on No. 3 position. Required with 4M1149 main set.									
ENGINE			**VIN** **CYL** **Bore x Stroke**		**TORQUE SETTINGS**				**12**
3500cc (3.5) G6CU			**V6** **93mm x 85.6mm**		**Connecting Rod 26 ft.lbs + 90 deg** **Main Bearing 65-72 ft.lbs**				
Rod									
	54.981/2.1646 54.999/2.1653	58.001/2.2835 58.019/2.2842	1.495/0.0589	.020/.0008 .051/.0020	15.50/0.610	F780	12	1180 IH	**6B1180** Std. .25 .50 .75
Main									
1-4	63.983/2.5190 64.000/2.5197	68.001/2.6772 68.006/2.6774	1.995/0.0785	.011/.0004 .059/.0023	17.12/0.674	F780	8	1183 U/L	**4M1183** Std. .25 .50 .75 1.0
Thrust									
	70.100/2.7598 70.350/2.7697	94.250/3.7106 94.500/3.7205			1.96/0.077	F817	2	1183T IH	**1T1183** Std.
Note: Set includes four pieces, use on No. 3 position. Required with 4M1183 main set.									

INFINITI ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1998cc (2.0).....	(SR20DE)	C	L4	91-96	1
2000cc (2.0).....	(SR20DE)		L4	00-02	1
2000cc (2.0).....	(SR20DE)	C	L4	99-99	1
2960cc (3.0).....	(VG30DE)	A	V6	93-97	3
2960cc (3.0).....	(VG30E)	H	V6	90-92	2
2988cc (3.0).....	(VQ30DE)		V6	00-01	4
2988cc (3.0).....	(VQ30DE)	C	V6	96-99	4
3275cc (3.3).....	(VG33E)		V6	00-00	2
3275cc (3.3).....	(VG33E)	A	V6	97-99	2
3498cc (3.5).....	(VQ35DE)		V6	01-06	5

INFINITI MODEL INDEX

Model	CID	cc	Liter	Description	Years
FX35		3498	3.5		03-05
G20		1998	2.0		91-96
		2000	2.0		99-02
G35		3498	3.5		03-06
G35 - X		3498	3.5		06
I30		2988	3.0		96-01
I35		3498	3.5		02-04
J30		2960	3.0		93-97
M30		2960	3.0		90-92
M35		3498	3.5		06
M35 - SPORT		3498	3.5		06
M35 - X		3498	3.5		06
QX4		3275	3.3		97-00
		3498	3.5		01-03

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1998cc (2.0) (SR20DE)			**C L4**	**86mm x 86mm**		**Connecting Rod 10-12 ft.lbs** Step 1			
2000cc (2.0) (SR20DE)			**L4**	**86mm x 86mm**		**Connecting Rod 28-33 ft.lbs** Step 2			
2000cc (2.0) (SR20DE)			**C L4**	**86mm x 86mm**		**Main Bearing 24-28 ft.lbs** Step 1			
						Main Bearing 54-61 ft.lbs Step 2			
	Rod								
4B2960		47.956/1.8880	51.000/2.0079	1.503/0.0592	.020/.0008	17.10/0.673	F780	8	2960
Std. .25 .50 .75 1.0		47.974/1.8887	51.013/2.0084		.076/.0030				IH
	Main								
5M2964	1-5	54.956/2.1636	58.944/2.3206	1.980/0.0780	.004/.0002	19.10/0.752	F780	10	2964
Std. .25 .50 .75		54.980/2.1646	58.968/2.3216		.078/.0031				U/L
	Thrust								
1T2964	3	61.500/2.4213	83.050/3.2697			1.95/0.077	F250	2	2964T
Std.		61.750/2.4311	83.300/3.2795						IH
Note: Set includes two pieces, use on No.3 positoin. Required with 5M2964 main set.									
2 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
2960cc (3.0) (VG30E)			**H V6**	**87mm x 83mm**		**Connecting Rod 33-40 ft.lbs/45-54 Nm** VG30E			
3275cc (3.3) (VG33E)			**V6**	**91.44mm x 83mm**		engines			
3275cc (3.3) (VG33E)			**A V6**	**91.44mm x 83mm**		**Main Bearing 67-74 ft.lbs/91-100 Nm**			
						Connecting Rod 10-12 ft.lbs + 60-65 deg VG33E engines			
	Rod								
6B2390		49.961/1.9670	53.000/2.0866	1.506/0.0593	.014/.0006	17.09/0.673	F780	12	2390
Std. .25 .50 .75 1.0		49.974/1.9675	53.011/2.0870		.064/.0025				IH
	Main								
4M2777	1	62.951/2.4784	66.645/2.6238	1.829/0.0720	.028/.0011	22.50/0.886	F780	2	2777
Std. .25 .50 .75 1.0		62.974/2.4793	66.657/2.6243		.099/.0039				U/L
	2,3	62.951/2.4784	66.645/2.6238	1.829/0.0720	.028/.0011	19.00/0.748	F780	4	2778
		62.974/2.4793	66.657/2.6243		.099/.0039				U/L
	4 (FI)	62.951/2.4784	66.645/2.6238	1.829/0.0720	.028/.0011	28.85/1.136	F780	2	2779
		62.974/2.4793	66.657/2.6243		.099/.0039				U/L
Overflange length remains constant for standard and undersizes.									
3 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
2960cc (3.0) (VG30DE)			**A V6**	**87mm x 83mm**		**Connecting Rod 12 ft.lbs + 60-65 deg**			
						Main Bearing 67-74 ft.lbs/91-100 Nm			
	Rod								
6B2390		49.961/1.9670	53.000/2.0866	1.506/0.0593	.014/.0006	17.09/0.673	F780	12	2390
Std. .25 .50 .75 1.0		49.974/1.9675	53.011/2.0870		.064/.0025				IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 3
Main									
2,3	62.951/2.4784 62.974/2.4793	66.645/2.6238 66.672/2.6249	1.830/0.0720	.011/.0004 .077/.0030	19.00/0.748	F780	4	2737 U/L	**4M2737** Std. .25 .50 .75 1.0
4 (FI)	62.951/2.4784 62.974/2.4793	66.645/2.6238 66.672/2.6249	1.830/0.0720	.011/.0004 .077/.0030	28.85/1.136	F780	2	2738 U/L	
1	62.951/2.4784 62.974/2.4793	66.645/2.6238 66.672/2.6249	1.830/0.0720	.011/.0004 .077/.0030	22.50/0.886	F780	2	2739 U/L	
Overflange length remains constant for standard and undersizes.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				4
2988cc (3.0) (VQ30DE)			**V6**	**93mm x 73.3mm**	**Connecting Rod 12 ft.lbs + 60-65 deg**				
2988cc (3.0) (VQ30DE)		**C**	**V6**	**93mm x 73.3mm**	**Main Bearing 67-74 ft.lbs/91-100 Nm**				
Rod									
	44.958/1.7700 44.974/1.7706	48.000/1.8898 48.013/1.8903	1.502/0.0591	.034/.0013 .059/.0023	17.00/0.669	F780	12	2630 IH	**6B2630** Std. .25 .50 .75
Main									
1-4	59.951/2.3603 59.975/2.3612	63.993/2.5194 64.017/2.5203	2.140/0.0843 (@ 0.25 u/s)	.035/.0014 .065/.0026	20.12/0.792	F780	8	2633 U/L	**4M2633** .25 .50 .75
Note : There is no STD undersize for this set due to numerous STD grades used by the OEM.									
Thrust									
	66.500/2.6181 66.700/2.6260	79.250/3.1201 79.500/3.1299			1.94/0.076	F817	2	2633T U/L	**2T2633** Std.
Set includes 4 pieces. Use with 4M2633 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				5
3498cc (3.5) (VQ35DE)			**V6**	**95.5mm x 81.4mm**	**Connecting Rod 14-15 ft.lbs + 90-95 deg** **Main Bearing 24-25 ft.lbs + 90-95 deg**				
Rod									
	51.956/2.0455 51.975/2.0463	55.000/2.1654 55.013/2.1659	1.502/0.0591	.022/.0009 .069/.0027	17.00/0.669	F780	12	2640 IH	**6B2640** Std. .25 .50 .75
Main									
1-4	59.951/2.3603 59.975/2.3612	63.993/2.5194 64.017/2.5203	2.140/0.0843 (@ 0.25 u/s)	.035/.0014 .065/.0026	20.12/0.792	F780	8	2633 U/L	**4M2633** .25 .50 .75
Note : There is no STD undersize for this set due to numerous STD grades used by the OEM.									
Thrust									
	66.500/2.6181 66.700/2.6260	79.250/3.1201 79.500/3.1299			1.94/0.076	F817	2	2633T U/L	**2T2633** Std.
Set includes 4 pieces. Use with 4M2633 main set.									

INFINITI PERFORMANCE

INFINITI PERFORMANCE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1998cc (2.0).....	(SR20DE)	C	L4	91-02	1
2960cc (3.0).....	(VG30DE)	A	V6	93-97	2
3498cc (3.5).....	(VQ35DE)		V6	01-06	3

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
1998cc (2.0) (SR20DE)			**C L4**	**86mm x 86mm**	**Connecting Rod 10-12 ft.lbs** Step 1 **Connecting Rod 28-33 ft.lbs** Step 2 **Main Bearing 24-28 ft.lbs** Step 1 **Main Bearing 54-61 ft.lbs** Step 2				
	Rod - Race Series.								
4B2960H Std. .025 .25		47.956/1.8880 47.974/1.8887	51.000/2.0079 51.013/2.0084	1.503/0.0592	.020/.0008 .067/.0026	17.10/0.673	F781	8	2960H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
4B2960HX Std.		47.956/1.8880 47.975/1.8888	51.000/2.0079 51.013/2.0084	1.503/0.0592	.020/.0008 .067/.0026	17.10/0.673	F781	8	2960HX IH
	Main - Race Series.								
5M2964H Std. .025 .25 .50	1-5	54.956/2.1636 54.980/2.1646	58.944/2.3206 58.968/2.3216	1.975/0.0778	.014/.0006 .078/.0031	19.10/0.752	F780	10	2964H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
5M2964HX Std.	1-5	54.956/2.1636 54.980/2.1646	58.944/2.3206 58.968/2.3216	1.963/0.0773	.040/.0016 .103/.0041	19.10/0.752	F780	10	2964HX U/L
	Thrust								
1T2964 Std.	3	61.500/2.4213 61.750/2.4311	83.050/3.2697 83.300/3.2795			1.95/0.077	F250	2	2964T IH
	Note: Set includes two pieces, use on No.3 positoin. Required with 5M2964H/HX main set.								
2 ENGINE			**VIN CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
2960cc (3.0) (VG30DE)			**A V6**	**87mm x 83mm**	**Connecting Rod 12 ft.lbs + 60-65 deg** **Main Bearing 67-74 ft.lbs/91-100 Nm**				
	Rod - Race Series.								
6B2390H Std. .025 .25 .50		49.961/1.9670 49.974/1.9675	53.000/2.0866 53.011/2.0870	1.503/0.0592	.020/.0008 .060/.0024	17.10/0.673	F781	12	2390H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
6B2390HX Std.		49.961/1.9670 49.974/1.9675	53.000/2.0866 53.011/2.0870	1.490/0.0587	.045/.0018 .086/.0034	17.10/0.673	F781	12	2390HX IH
	Main - Race Series.								
4M2737H Std. .025 .25 .50	2,3	62.951/2.4784 62.974/2.4793	66.645/2.6238 66.672/2.6249	1.830/0.0720	.011/.0004 .077/.0030	19.00/0.748	F780	4	2737H U/L
	4 (FI)	62.951/2.4784 62.974/2.4793	66.645/2.6238 66.672/2.6249	1.830/0.0720	.011/.0004 .077/.0030	28.85/1.136	F780	2	2738H U/L
	1	62.951/2.4784 62.674/2.4675	66.645/2.6238 66.672/2.6249	1.830/0.0720	.011/.0004 .077/.0030	22.50/0.886	F780	2	2739H U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
4M2737HX Std.	2,3	62.951/2.4784 62.974/2.4793	66.645/2.6238 66.672/2.6249	1.817/0.0715	.036/.0014 .102/.0040	19.00/0.748	F780	4	2737HX U/L
		62.951/2.4784 62.674/2.4675	66.645/2.6238 66.672/2.6249	1.817/0.0715	.036/.0014 .102/.0040	28.85/1.136			2738HX
		62.951/2.4784 62.974/2.4793	66.645/2.6238 66.672/2.6249	1.817/0.0715	.036/.0014 .102/.0040	22.50/0.886			2739HX
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**3**
3498cc (3.5) (VQ35DE)			**V6**	**95.5mm x 81.4mm**	**Connecting Rod 14-15 ft.lbs + 90-95 deg** **Main Bearing 24-25 ft.lbs + 90-95 deg**				
Rod - Race Series.									
	51.956/2.0455 51.975/2.0463	55.000/2.1654 55.013/2.1659	1.502/0.0591	.022/.0009 .069/.0027	17.00/0.669	F781	12	2640H IH	**6B2640H** Std. .025 .25
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
	51.956/2.0455 51.975/2.0463	55.000/2.1654 55.013/2.1659	1.489/0.0586	.047/.0019 .094/.0037	17.00/0.669	F781	12	2640HX IH	**6B2640HX** Std.
Main - Race Series.									
1-4	59.951/2.3603 59.975/2.3612	63.993/2.5194 64.017/2.5203	2.140/0.0843	.035/.0014 .065/.0026	20.12/0.792	F780	8	2633H U/L	**4M2633H** Std. .025 .25
Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
1-4	59.951/2.3603 59.975/2.3612	63.993/2.5194 64.017/2.5203	2.140/0.0843	.060/.0024 .090/.0035	20.12/0.792	F780	8	2633HX U/L	**4M2633HX** Std.
Thrust									
	66.500/2.6181 66.700/2.6260	79.250/3.1201 79.500/3.1299			1.94/0.076	F817	2	2633T U/L	**2T2633** Std.

Set includes 4 pieces. Use with 4M2633H/HX main set.

INTERNATIONAL

ACL Engine Bearings

INTERNATIONAL ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
152 (2.5)	4-152, 4-152T, B152		L4	61-71	1
196 (3.2)	4-196		L4	71-80	1
198 (3.2)	6-33, IN633,Diesel		L6	76-79	2
198 (3.2)	(6-33T), Turbo,Diesel		L6	80-80	2
220 (3.6)			L6	63-68	3
232 (3.8)	Jeep Engines		L6	69-71	4
241 (3.9)			L6	68-70	3
258 (4.2)	Jeep Engines		L6	72-75	4
265 (4.3)			L6	69-70	3
266 (4.4)			V8	59-70	5
304 (5.0)			V8	60-80	5
345 (5.6)			V8	61-85	5
392 (6.4)			V8	66-85	5
400	Jeep engine		V8	74-74	6
404			V8	75-82	7
421 (6.9)	Diesel		V8	80-88	8
444 (7.3)	Diesel		V8	88-95	8
444 (7.3)	T444E (Powerstroke), Turbo,Diesel		V8	94-99	9
446			V8	75-81	7

INTERNATIONAL MODEL INDEX

Model	CID	cc	Liter	Description	Years
100	258		4.2	Jeep Engines	74
	304		5.0		74
	345		5.6		74
	392		6.4		74
1000B	232		3.8	Jeep Engines	69
	241		3.9		68-69
	266		4.4		68-69
	304		5.0		69
1000C	232		3.8	Jeep Engines	69
	241		3.9		69
	266		4.4		68-69
	304		5.0		69
1000D	232		3.8	Jeep Engines	69-70
	241		3.9		69-70
	266		4.4		69-70
	304		5.0		69-70
1010	232		3.8	Jeep Engines	71
	258		4.2	Jeep Engines	72-73
	304		5.0		72-73
	392		6.4		72-73
1100B	232		3.8	Jeep Engines	69
	241		3.9		68-69
	266		4.4		68-69
	304		5.0		69
1100C	232		3.8	Jeep Engines	69
	241		3.9		68-69
	266		4.4		68-69
	304		5.0		69
1100D	232		3.8	Jeep Engines	69-70
	241		3.9		69-70
	266		4.4		69-70
	304		5.0		69-70
1110	232		3.8	Jeep Engines	71
	258		4.2	Jeep Engines	72-73
	304		5.0		72-73
	392		6.4		72-73
1200B	241		3.9		68-69
	266		4.4		68-69
	304		5.0		69
1200C	241		3.9		68-69
	266		4.4		68-69
	304		5.0		69
1200D	241		3.9		69-70
	266		4.4		69-70
	304		5.0		69-70
1210	232		3.8	Jeep Engines	71
	258		4.2	Jeep Engines	72-73
	304		5.0		72-73
	392		6.4		72-73
1300B	241		3.9		68-69
	266		4.4		68-69
	304		5.0		69
1300C	241		3.9		68-69
	266		4.4		68-69
	304		5.0		69
1300D	241		3.9		69-70
	266		4.4		69-70
	304		5.0		69-70
1310	232		3.8	Jeep Engines	71
	258		4.2	Jeep Engines	72-73
	304		5.0		72-73
	392		6.4		72-73
150	304		5.0		75
	345		5.6		75
	392		6.4		75
200	258		4.2	Jeep Engines	74
	304		5.0		74-75
	345		5.6		74-75
	392		6.4		74-75
908B	266		4.4		68
	304		5.0		69
908C	266		4.4		68
	304		5.0		69
DM10	258		4.2	Jeep Engines	72
	304		5.0		72
M SERIES VAN	152		2.5	4-152, 4-152T, B152	61-67
	220		3.6		63-67
M1100	152		2.5	4-152, 4-152T, B152	68-71
	196		3.2	4-196	71
	220		3.6		68
	232		3.8	Jeep Engines	69-70
	241		3.9		69-70
	258		4.2	Jeep Engines	72
	304		5.0		69-72
M1200	220		3.6		68
	232		3.8	Jeep Engines	69-71
	241		3.9		68-70
	258		4.2	Jeep Engines	72
	266		4.4		68
	304		5.0		69-72
M1400	232		3.8	Jeep Engines	69
	241		3.9		69
	304		5.0		69
M800	152		2.5	4-152, 4-152T, B152	68-71
	220		3.6		68
	232		3.8	Jeep Engines	69-70
	241		3.9		69-70
	304		5.0		69-71
M800 NAVY	232		3.8	Jeep Engines	69
	241		3.9		69
	304		5.0		69
M800 POST OFFICE	152		2.5	4-152, 4-152T, B152	71
	232		3.8	Jeep Engines	69-70
	241		3.9		69-70
	258		4.2	Jeep Engines	72
	304		5.0		69-72
MA1200	220		3.6		68
	232		3.8	Jeep Engines	69-71
	241		3.9		68-70
	266		4.4		68
	304		5.0		69-71
MHC1310	258		4.2	Jeep Engines	74
	304		5.0		74
MS1210	258		4.2	Jeep Engines	72-74
	304		5.0		72-74
	345		5.6		75
	392		6.4		75
SCOUT	152		2.5	4-152, 4-152T, B152	61-71
	265		4.3		69-70
	266		4.4		68
	304		5.0		69-70
SCOUT II	196		3.2	4-196	71-80
	198		3.2		80
	198		3.2	6-33, IN633	76-79
	232		3.8	Jeep Engines	71
	304		5.0		71-80

INTERNATIONAL MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years	Model	CID	cc	Liter	Description	Years
SCOUT II	345		5.6		71-80	SCOUT II - TERRA	304		5.0		76-80
	392		6.4		75		345		5.6		76-80
SCOUT II - SS2	196		3.2	4-196	78-79	SCOUT II - TRAVELER	196		3.2	4-196	76-80
	304		5.0		78-79		198		3.2		80
	345		5.6		78-79		198		3.2	6-33, IN633	76-79
SCOUT II - TERRA	196		3.2	4-196	76-80		304		5.0		76-80
	198		3.2	6-33, IN633	76-79		345		5.6		76-80

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
152 (2.5) 4-152, 4-152T, B152			**L4**	**3.875 x 3.219**	**Connecting Rod 45-55 ft.lbs/61-75 Nm**				
196 (3.2) 4-196			**L4**	**4.125 x 3.656**	**Main Bearing 75-85 ft.lbs/102-115 Nm**				
Main									
1,2,4,5	69.809/2.7484 69.835/2.7494	74.701/2.9410 74.727/2.9420	2.421/0.0953	.024/.0009 .102/.0040	18.44/0.726	F780	8	2042 U/L	**5M516P** Std. 10 20 30
3 (FI)	69.809/2.7484 69.835/2.7494	74.701/2.9410 74.727/2.9420	2.420/0.0953	.024/.0009 .102/.0040	26.78/1.054	F780	2	6535 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	53.315/2.0990 53.340/2.1000	56.655/2.2305 56.693/2.2320	1.640/0.0647		18.16/0.715	F23	1	IN-11-1	**5C426S** Std.
2	53.061/2.0890 53.086/2.0900	56.400/2.2205 56.440/2.2220	1.640/0.0647		16.50/0.650	F23	1	IN-11-2	
3	52.806/2.0790 52.832/2.0800	56.147/2.2105 56.185/2.2120	1.640/0.0647		16.50/0.650	F23	1	IN-11-3	
4	52.552/2.0690 52.578/2.0700	55.893/2.2005 55.931/2.2020	1.640/0.0647		16.50/0.650	F23	1	IN-11-4	
5	52.300/2.0590 52.324/2.0600	55.639/2.1905 55.677/2.1920	1.640/0.0647		19.18/0.755	F23	1	IN-11-5	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
198 (3.2) 6-33, IN633 Diesel			**L6**	**83mm x 100mm**	**Connecting Rod 37 ft.lbs**				
198 (3.2) (6-33T) Turbo Diesel			**L6**	**83mm x 100mm**	**Main Bearing 123-137 ft.lbs**				
Rod									
	52.913/2.0832 52.926/2.0837	55.987/2.2042 56.000/2.2047	1.506/0.0593	.049/.0019 .101/.0040	26.04/1.025	F780	12	1366 IH	**6B1366** Std. .25 .50 .75 1.0
Main									
1,2,3,4	70.907/2.7916 70.920/2.7921	74.981/2.9520 75.000/2.9528	2.015/0.0793	.031/.0012 .089/.0035	31.87/1.255	F780	8	1367 U/L	**4M1367** Std. .25 .50 .75 1.0
Thrust									
4	78.610/3.0949 78.870/3.1051	93.472/3.6800 93.726/3.6900			2.36/0.093	F250	4	1367T U/L	**2T1367** Std.
Set includes 4 pieces, use on No.4 position. Required with 4M1367 main set.									
Cam - for engines before 4/79 only.									
1	45.434/1.7887 45.447/1.7892	48.641/1.9150 48.666/1.9160	1.588/0.6250	.018/.0007 .110/.0043	24.13/0.950	F23	1	4036	**4C4036** Std.
2,3	43.897/1.7282 43.910/1.7287	47.117/1.8550 47.142/1.8560	1.588/0.0625	.012/.0005 .031/.0012	22.10/0.870	F23	2	4037	
4	41.218/1.6628 41.231/1.6233	44.425/1.7490 44.450/1.7500	1.588/0.6250	.018/.0007 .110/.0043	24.13/0.950	F23	1	4038	
Cam - for engines after 5/79 only.									
1	51.390/2.0232 51.400/2.0236	54.410/2.1421 54.430/2.1429	1.495/0.0589	.020/.0008 .090/.0035	24.25/0.955	F820	1	4042	**4C4042** Std.
2	51.190/2.0154 51.200/2.0157	54.210/2.1342 54.230/2.1350	1.495/0.0589	.020/.0008 .090/.0035	22.25/0.876	F820	1	4043	
3	50.990/2.0075 51.000/2.0079	54.010/2.1264 54.030/2.1272	1.495/0.0589	.020/.0008 .090/.0035	22.25/0.876	F820	1	4044	
4	50.790/1.9996 50.800/2.0000	53.810/2.1185 53.830/2.1193	1.495/0.0589	.020/.0008 .090/.0035	24.25/0.955	F820	1	4045	

INTERNATIONAL

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	Small End								
RB4096 Semi		26.000/1.0236 (Nominal)	29.000/1.1417 29.025/1.1427			30.10/1.185	F100	1	RB4096
3 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
220 (3.6)			**L6**	**3.563 x 3.688**		**Connecting Rod 45-55 ft.lbs**			
241 (3.9)			**L6**	**3.526 x 4.018**		**Main Bearing 75-85 ft.lbs**			
265 (4.3)			**L6**	**3.687 x 4.125**					
	Rod - Non stock item. Orders Ex-Factory only.								
6B2001 Std. 10 20 30 40		60.274/2.3730 60.300/2.3740	63.487/2.4995 63.500/2.5000	1.582/0.0623	.023/.0009 .088/.0035	27.94/1.100	F780	12	2001 IH
	Main - Non stock item. Orders Ex-Factory only.								
4M2002 Std. 10 20 30	1	69.799/2.7480 69.825/2.7490	74.701/2.9410 74.727/2.9420	2.423/0.0954	.030/.0012 .108/.0043	33.09/1.303	F780	2	2002 U/L
	2	69.799/2.7480 69.825/2.7490	74.701/2.9410 74.727/2.9420	2.423/0.0954	.030/.0012 .108/.0043	30.38/1.196	F780	2	2003 U/L
	3 (FI)	69.799/2.7480 69.825/2.7490	74.701/2.9410 74.727/2.9420	2.423/0.0954	.030/.0012 .108/.0043	41.15/1.620	F780	2	2004 U/L
	4	69.799/2.7480 69.825/2.7490	74.701/2.9410 74.727/2.9420	2.423/0.0954	.030/.0012 .108/.0043	48.21/1.898	F780	2	2005 U/L

*** DIMENSIONAL INFORMATION FOR 4M2002**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.624"	+0.004"
.020" u/s shaft	1.624"	+0.004"
.030" u/s shaft	1.628"	+0.008"

	Cam - Non stock item. Orders Ex-Factory only.								
4C220S Discontinued	1	53.568/2.1090 53.594/2.1100	56.896/2.2400 56.934/2.2415	1.643/0.0647	.026/.0010 .101/.0040	28.70/1.130	F23	1	IN-3A-1
	2	53.061/2.0890 53.086/2.0900	56.388/2.2200 56.426/2.2215	1.643/0.0647	.026/.0010 .101/.0040	27.10/1.067	F23	1	IN-8-2
	3	52.553/2.0690 52.578/2.0700	55.880/2.2000 55.918/2.2015	1.643/0.0647	.026/.0010 .101/.0040	27.10/1.067	F23	1	IN-8-3
	4	38.087/1.4995 38.113/1.5005	41.415/1.6305 41.453/1.6320	1.643/0.0647	.026/.0010 .101/.0040	33.45/1.317	F23	1	IN-8-4
4 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
232 (3.8) Jeep Engines			**L6**	**3.75 x 3.50**		**Connecting Rod 27-30 ft.lbs/36-41 Nm** (1969-74 engines) **Connecting Rod 30-35 ft.lbs/41-48 Nm** (1975 on engines)			
258 (4.2) Jeep Engines			**L6**	**3.75 x 3.90**		**Main Bearing 75-85 ft.lbs/102-115 Nm**			
	Rod								
6B960P Std. 01 10 20 30 40		53.208/2.0948 53.226/2.0955	56.083/2.2080 56.096/2.2085	1.425/0.0561	.017/.0006 .074/.0029	21.26/0.837	F780	12	1480 IH
	Main								
7M704P Std. 10 20 30 40	1,2,4,5, 6,7	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	12	8872 U/L
	3 (FI)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	32.26/1.270	F780	2	8873 U/L

Overflange length remains constant for standard and undersizes.

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 4
Main - Alt set to 7M704P with +0.010" overflange length increase. * See below for dimensional information.									
1,2,4,5,6, 7	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	12	8872 U/L	**7M8879P** 10 20 30 40
3 (FI)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	32.26/1.280	F780	2	8879 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 7M8879P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.280"	+0.010"
.020" u/s shaft	1.280"	+0.010"
.030" u/s shaft	1.280"	+0.010"
.040" u/s shaft	1.280"	+0.010"

Cam									
1	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		17.65/0.695	F23	1	N-7-1	**4C549S** Std.
2	51.295/2.0195 51.321/2.0205	54.496/2.1455 54.521/2.1465	1.580/0.0620		17.65/0.695	F23	1	N-7-2	
3	51.041/2.0095 51.067/2.0105	54.242/2.1355 54.267/2.1365	1.580/0.0620		17.65/0.695	F23	1	N-7-3	
4	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		17.65/0.695	F23	1	N-7-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	5
266 (4.4)		**V8**	**3.63 x 3.22**	**Connecting Rod 45-55 ft.lbs/61-75 Nm**	
304 (5.0)		**V8**	**3.88 x 3.22**	**Main Bearing 75-85 ft.lbs/102-115 Nm**	
345 (5.6)		**V8**	**3.88 x 3.66**		
392 (6.4)		**V8**	**4.13 x 3.66**		

Rod									
	60.274/2.3730 60.300/2.3740	63.487/2.4995 63.500/2.5000	1.580/0.0622	.027/.0011 .092/.0036	24.84/0.978	F780	16	2041 IH	**8B581P** Std. 10 20 30
Main									
1,2,4,5	69.809/2.7484 69.835/2.7494	74.701/2.9410 74.727/2.9420	2.421/0.0953	.024/.0009 .102/.0040	18.44/0.726	F780	8	2042 U/L	**5M516P** Std. 10 20 30
3 (FI)	69.809/2.7484 69.835/2.7494	74.701/2.9410 74.727/2.9420	2.420/0.0953	.024/.0009 .102/.0040	26.78/1.054	F780	2	6535 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	53.315/2.0990 53.340/2.1000	56.655/2.2305 56.693/2.2320	1.640/0.0647		18.16/0.715	F23	1	IN-11-1	**5C426S** Std.
2	53.061/2.0890 53.086/2.0900	56.400/2.2205 56.440/2.2220	1.640/0.0647		16.50/0.650	F23	1	IN-11-2	
3	52.806/2.0790 52.832/2.0800	56.147/2.2105 56.185/2.2120	1.640/0.0647		16.50/0.650	F23	1	IN-11-3	
4	52.552/2.0690 52.578/2.0700	55.893/2.2005 55.931/2.2020	1.640/0.0647		16.50/0.650	F23	1	IN-11-4	
5	52.300/2.0590 52.324/2.0600	55.639/2.1905 55.677/2.1920	1.640/0.0647		19.18/0.755	F23	1	IN-11-5	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	6
400 Jeep engine		**V8**	**4.165 x 3.680**	**Connecting Rod 35-40 ft.lbs/48-54 Nm** **Main Bearing 95-100 ft.lbs/129-136 Nm**	

Rod									
	57.094/2.2478 57.112/2.2485	60.312/2.3745 60.325/2.3750	1.582/0.0623	.048/.0019 .104/.0041	20.45/0.805	F780	16	CB819P IH	**8B819P** Std. 10 20

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
6 (Cont'd.)									
	Main								
5M1041P Std. 10 20 30 40	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1482 U
	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1484 L
	3 (Fl)	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	32.26/1.270	F780	2	1483 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Alt set to 5M1041P, with +0.010" overwidth flange increase for undersizes.* See below for dimensional information.								
5M1485P 10 20 30 40	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1482 U
	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1484 L
	3 (Fl)	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	32.51/1.280	F780	2	1485 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M1485P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.280"	+0.010"
.020" u/s shaft	1.280"	+0.010"
.030" u/s shaft	1.280"	+0.010"
.040" u/s shaft	1.280"	+0.010"

	Cam								
5C671S Std.	1	53.835/2.1195 53.861/2.1205	57.036/2.2455 57.061/2.2465	1.580/0.0620		23.50/0.925	F23	1	N-9-1
	2	53.073/2.0895 53.099/2.0905	56.274/2.2155 56.299/2.2165	1.580/0.0620		16.00/0.630	F23	1	N-8-2
	3	52.311/2.0595 52.337/2.0605	55.512/2.1855 55.537/2.1865	1.580/0.0620		16.00/0.630	F23	1	N-8-3
	4	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		16.00/0.630	F23	1	N-8-4
	5	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		16.00/0.630	F23	1	N-8-5

7 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
404		**V8**	**4.13 x 3.74**	**Connecting Rod 38-44 ft.lbs/51-60 Nm**
446		**V8**	**4.13 x 4.18**	**Main Bearing 90-100 ft.lbs/122-136 Nm**

	Rod								
8B1230P Std. 10 20 30		63.450/2.4980 63.475/2.4990	66.662/2.6245 66.675/2.6250	1.580/0.0622	.041/.0016 .104/.0041	24.84/0.978	F780	16	CB1230P IH
	Main								
5M1460P Std. 10 20 30	1,2,4,5	79.319/3.1228 79.340/3.1236	84.206/3.3152 84.227/3.3160	2.420/0.0953	.079/.0031 .119/.0047	20.45/0.805	F780	8	MB2763P U/L
	3 (Fl)	79.339/3.1228 79.340/3.1236	84.206/3.3152 84.226/3.3160	2.420/0.0953	.079/.0031 .119/.0047	28.70/1.130	F780	2	MB2764P U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C1092S Std.	1	53.315/2.0990 53.340/2.1000	56.655/2.2305 56.693/2.2320	1.640/0.0647		20.07/0.790	F23	1	IN-17-1
	2,3,4,5	53.315/2.0990 53.340/2.1000	56.655/2.2305 56.693/2.2320	1.640/0.0647		16.64/0.655	F23	4	IN-17-2

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**8**
421 (6.9) Diesel			**V8**	**4.00 x 4.18**	**Connecting Rod 48-54 ft.lbs**				
444 (7.3) Diesel			**V8**	**4.11 x 4.18**	**Main Bearing 95 ft.lbs**				
Rod									
	63.449/2.4980 63.474/2.4990	68.339/2.6905 68.364/2.6915	2.420/0.0952	.053/.0021 .104/.0041	22.56/0.888	F780	16	5241 IH	**8B1327P** Std. 01 10 20 30
Main									
1,2,4,5	79.319/3.1228 79.339/3.1236	84.206/3.3152 84.231/3.3162	2.410/0.0949	.053/.0021 .124/.0049	22.23/0.875	F780	8	2934 U/L	**5M1596P** Std. 10 20 30
3 (FI)	79.319/3.1228 79.339/3.1236	84.206/3.3152 84.231/3.3162	2.410/0.0949	.053/.0021 .124/.0049	28.70/1.130	F780	2	2935 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	53.315/2.0990 53.340/2.1000	56.655/2.2305 56.693/2.2320	1.640/0.0647		20.07/0.790	F23	1	IN-17-1	**5C1092S** Std.
2,3,4,5	53.315/2.0990 53.340/2.1000	56.655/2.2305 56.693/2.2320	1.640/0.0647		16.64/0.655	F23	4	IN-17-2	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**9**
444 (7.3) T444E (Powerstroke) Turbo Diesel			**V8**	**4.11 x 4.18**	**Connecting Rod 52 ft.lbs** Step 1 **Connecting Rod 80 ft.lbs** Step 2 **Main Bearing 75 ft.lbs** Step 1 **Main Bearing 95 ft.lbs** Step 2				
Rod									
	63.449/2.4980 63.475/2.4990	68.339/2.6905 68.364/2.6915	2.419/0.0952	.038/.0015 .114/.0045	22.56/0.888	F780	16	5246 IH	**8B1633P** Std. 10 20 30 40
Main									
1,2,4,5	79.319/3.1228 79.339/3.1236	84.206/3.3152 84.231/3.3162	2.410/0.0949	.046/.0018 .117/.0046	23.70/0.933	F780	8	5247 U/L	**5M2034P** Std. 10 20 30 40
3 (FI)	79.319/3.1228 79.339/3.1236	84.206/3.3152 84.231/3.3162	2.410/0.0949	.046/.0018 .117/.0046	31.45/1.238	F780	2	5248 U/L	
Cam									
1	53.315/2.0990 53.340/2.1000	56.655/2.2305 56.693/2.2320	1.640/0.0647		20.07/0.790	F23	1	IN-17-1	**5C1092S** Std.
2,3,4,5	53.315/2.0990 53.340/2.1000	56.655/2.2305 56.693/2.2320	1.640/0.0647		16.64/0.655	F23	4	IN-17-2	

INTERNATIONAL TRACTOR

INTERNATIONAL TRACTOR ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
144 (2.4)	BD144,Diesel		L4		1
144 (2.4)	BC144		L4		1
154 (2.5)	BD154,Diesel		L4		1
154 (2.5)	Gas		L4		1
155 (2.5)	D155,Diesel		L3		2
155 (2.5)	Gas		L3		2
179 (2.9)	D179,Diesel		L3		2
206 (3.4)	D206,Diesel		L4		3
239 (3.9)	D239,Diesel		L4		3
239 (3.9)	DT239, Turbo,Diesel		L4		3
310 (5.1)	D310,Diesel		L6		4
358 (5.9)	D358,Diesel		L6		4
358 (5.9)	DT358, Turbo,Diesel		L6		4

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE									
144 (2.4) BD144 Diesel **144 (2.4) BC144** **154 (2.5) BD154 Diesel** **154 (2.5) Gas**				**VIN CYL** **L4** **L4** **L4** **L4**	**Bore x Stroke** **3.375 x 4.000** **3.375 x 4.000** **3.500 x 4.000** **3.500 x 4.000**	**TORQUE SETTINGS** **Connecting Rod 30-35 ft.lbs** **Main Bearing 70-75 ft.lbs**			
	Rod - Non-stock item. Order Ex-Factory only.								
4B2031 Std. 10 20 30 40		44.425/1.7490 44.450/1.7500	47.638/1.8755 47.650/1.8760	1.577/0.0621	.034/.0013 .097/.0038	26.51/1.044	F780	8	2031 IH
	Main - Non-stock item. Order Ex-Factory only.								
5M2033 Std. 10 20 30 40	1,2,3,4	53.975/2.1250 54.000/2.1260	58.331/2.2965 58.357/2.2975	2.153/0.0848	.025/.0010 .102/.0040	27.23/1.072	F780	8	2032 U/L
	5 (Fl)	53.975/2.1250 54.000/2.1260	58.331/2.2965 58.357/2.2975	2.153/0.0848	.025/.0010 .102/.0040	33.28/1.310	F780	2	2033 IH
	*Overflange length increases with undersizes. *See below for dimensional information.*								

*** DIMENSIONAL INFORMATION FOR 5M2033**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.314"	+0.004"
.020" u/s shaft	1.314"	+0.004"
.030" u/s shaft	1.318"	+0.008"
.040" u/s shaft	1.318"	+0.008"

	Cam - Non-stock item. Order Ex-Factory only.								
3C6546 Std.	1	45.999/1.8110 46.025/1.8120	49.326/1.9420 49.377/1.9440	1.646/0.0648	.009/.0004 .116/.0046	28.04/1.104	F23	1	6546
	2	40.056/1.5770 40.081/1.5780	43.370/1.7075 43.408/1.7090	1.626/0.0640	.037/.0015 .110/.0043	25.05/0.986	F23	1	6547
	3	38.075/1.4990 38.100/1.5000	41.389/1.6295 41.427/1.6310	1.626/0.0640	.037/.0015 .110/.0043	20.09/0.791	F23	1	6548
2 ENGINE									
155 (2.5) D155 Diesel **155 (2.5) Gas** **179 (2.9) D179 Diesel**				**VIN CYL** **L3** **L3** **L3**	**Bore x Stroke** **3.875 x 4.374** **3.875 x 4.374** **3.875 x 5.063**	**TORQUE SETTINGS** **Connecting Rod 18.5 ft.lbs + 120 deg.**			
	Rod - Non-stock item. Order Ex-Factory only.								
3B2006 Std. .25 .50 .75		63.971/2.5185 63.990/2.5193	68.000/2.6772 68.019/2.6779	1.971/0.0776	.068/.0027 .122/.0048	32.18/1.267	F820	6	2006 IH
	Locating lug on right side.								
	Main - Non-stock item. Order Ex-Factory only.								
4M2007 Std. .25 .50 .75 1.0	1,2,3	79.972/3.1485 79.990/3.1492	85.999/3.3858 86.022/3.3867	2.972/0.1170	.065/.0026 .132/.0052	25.80/1.016	F780	6	2007 U/L
	4 (Fl)	79.971/3.1485 79.990/3.1492	86.000/3.3858 86.022/3.3867	2.972/0.1170	.066/.0026 .133/.0052	36.51/1.437	F780	2	2008 U/L
	*Overflange length increases with undersizes. *See below for dimensional information.*								

*** DIMENSIONAL INFORMATION FOR 4M2007**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.447"	+0.010"
0.50 mm u/s shaft	1.457"	+0.020"
0.75 mm u/s shaft	1.467"	+0.030"
1.00 mm u/s shaft	1.477"	+0.040"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 2
Small End - Non-stock item. Order Ex-Factory only.									
	35.996/1.4172 36.000/1.4173	39.700/1.5630 39.570/1.5579			34.00/1.339	F100	1	RB4067	**RB4067** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
206 (3.4) D206 Diesel		**L4**	**3.875 x 4.374**	3
239 (3.9) D239 Diesel		**L4**	**3.875 x 5.059**	
239 (3.9) DT239 Turbo Diesel		**L4**	**3.875 x 5.059**	

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod - Non-stock item. Order Ex-Factory only.									
	63.971/2.5185 63.990/2.5193	68.000/2.6772 68.019/2.6779	1.971/0.0776	.068/.0027 .112/.0044	32.18/1.267	F820	8	2006 IH	**4B2006** Std. .25 .50 .75 1.0
Locating lug on right side.									
Main - Non-stock item. Order Ex-Factory only.									
1,2,3,4	79.972/3.1485 79.990/3.1492	85.999/3.3858 86.022/3.3867	2.972/0.1170	.065/.0026 .132/.0052	25.80/1.016	F780	8	2007 U/L	**5M2007** Std. .25 .50 .75 1.0
5 (FI)	79.971/3.1485 67.990/2.6768	86.000/3.3858 86.022/3.3867	2.972/0.1170	.065/.0026 .132/.0052	36.51/1.437	F780	2	2008 U/L	
*Overflange length increases with undersizes. *See below for dimensional information.*									

*** DIMENSIONAL INFORMATION FOR 5M2007**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.447"	+0.010"
0.50 mm u/s shaft	1.457"	+0.020"
0.75 mm u/s shaft	1.467"	+0.030"
1.00 mm u/s shaft	1.477"	+0.040"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Small End - Non-stock item. Order Ex-Factory only.									
	35.996/1.4172 36.000/1.4173	39.700/1.5630 39.570/1.5579			34.00/1.339	F100	1	RB4067	**RB4067** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
310 (5.1) D310 Diesel		**L6**	**3.875 x 4.374**	4
358 (5.9) D358 Diesel		**L6**	**3.875 x 5.059**	
358 (5.9) DT358 Turbo Diesel		**L6**	**3.875 x 5.059**	

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod - Non-stock item. Order Ex-Factory only.									
	63.971/2.5185 63.990/2.5193	68.000/2.6772 68.019/2.6779	1.971/0.0776	.068/.0027 .122/.0048	32.18/1.267	F820	12	2006 IH	**6B2006** Std. .25 .50 .75 1.0
Locating lug on right side.									
Main - Non-stock item. Order Ex-Factory only.									
1-6	79.972/3.1485 79.990/3.1492	85.999/3.3858 86.022/3.3867	2.972/0.1170	.065/.0026 .132/.0052	25.80/1.016	F780	12	2007 U/L	**7M2007** Std. .25 .50 .75 1.0
7 (FI)	79.971/3.1485 79.990/3.1492	86.000/3.3858 86.022/3.3867	2.972/0.1170	.066/.0026 .133/.0052	36.51/1.437	F780	2	2008 U/L	
*Overflange length increases with undersizes. *See below for dimensional information.*									

*** DIMENSIONAL INFORMATION FOR 7M2007**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.447"	+0.010"
0.50 mm u/s shaft	1.457"	+0.020"
0.75 mm u/s shaft	1.467"	+0.030"
1.00 mm u/s shaft	1.477"	+0.040"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Small End - Non-stock item. Order Ex-Factory only.									
	35.996/1.4172 36.000/1.4173	39.700/1.5630 39.570/1.5579			34.00/1.339	F100	1	RB4067	**RB4067** Semi

ACL Engine Bearings

ISUZU ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1325cc (1.3).....	G130		L4	66-72	1
1471cc (1.5).....	4XC1	7	L4	86-89	2
1471cc (1.5).....	4XC1-T, Turbo	9	L4	87-89	2
1471cc (1.5).....	4XC1	K	L4	85-85	2
1487cc (1.5).....	4FA1,Diesel		L4	81-88	3
1584cc (1.6).....	4ZA1		L4	81-88	4
1584cc (1.6).....	G161/W/Z		L4	69-79	1
1588cc (1.6).....	4XE1WT/RLK, Turbo	4	L4	91-92	2
1588cc (1.6).....	4XE1W/RLK	5	L4	89-91	2
1588cc (1.6).....	4XE1V/RLR	6	L4	91-93	2
1817cc (1.8).....	4FB1,Diesel		L4	77-89	3
1817cc (1.8).....	4ZB1		L4	81-89	4
1817cc (1.8).....	G180Z	B	L4	81-85	5
1817cc (1.8).....	G180Z	N	L4	81-82	5
1817cc (1.8).....	4FB1,Diesel	P	L4	81-84	3
1949cc (1.9).....	G200Z	A	L4	83-87	6
1951cc (2.0).....	C190,Diesel		L4	72-88	7
1994cc (2.0).....	4ZC1-T, Turbo	F	L4	85-89	4
1995cc (2.0).....	4FC1,Diesel		L4	81-89	3
2156cc (2.2).....	Honda F22B6	4	L4	96-97	8
2180cc (2.2).....	OHV (Chev. Eng.)	4	L4	96-00	9
2180cc (2.2).....	OHV (Chev. Eng.)	5	L4	00-00	9
2180cc (2.2).....	(X22SE)		L4	98-00	10
2180cc (2.2).....	(X22SE)	D	L4	01-03	10
2189cc (2.2).....	4FD1,Diesel		L4	84-88	3
2207cc (2.2).....	C221,Diesel		L4	68-79	11
2234cc (2.3).....	(F23A7)		L4	99-99	13
2238cc (2.2).....	C223,Diesel	S	L4	81-87	12
2238cc (2.2).....	C223, Turbo,Diesel	U	L4	86-87	12
2254cc (2.3).....	F23A7		L4	98-98	13
2254cc (2.3).....	4ZD1	L	L4	86-95	4
2369cc (2.4).....	C240,Diesel		L4	69-88	11
2499cc (2.5).....	4JA1,Diesel		L4	85-90	14
2559cc (2.6).....	4ZE1	E	L4	88-97	15
169 2770cc (2.8)...		8	L4	06-06	16
2771cc (2.8).....	4JB1,Diesel		L4	85-90	14
2771cc (2.8).....	4JB1-T, Turbo,Diesel		L4	85-90	14
2775cc (2.8).....	4BA1,Diesel		L4	73-88	17
2827cc (2.8).....	LL2 (Chevrolet Eng.)	R	V6	89-91	18
3137cc (3.1).....	LG6 (Chevrolet Eng.)	Z	V6	91-94	18
3165cc (3.2).....	6VD1 SOHC	V	V6	92-97	19
3165cc (3.2).....	6VD1 DOHC	W	V6	92-98	19
3165cc (3.2).....	DOHC (6VD1)		V6	98-00	19
3165cc (3.2).....	DOHC (6VD1)	W	V6	01-04	19
3268cc (3.3).....	4BC1,Diesel		L4	79-84	20
3268cc (3.3).....	4BC2,Diesel		L4	80-88	20
211 3460cc (3.5)...		6	L5	06-06	21
3475cc (3.5).....	(6VE1)		V6	98-00	19
3475cc (3.5).....	(6VE1)	X	V6	01-02	19
3491cc (3.5).....	(6VE1)	X	V6	03-04	19
3595cc (3.6).....	4BB1,Diesel		L4	73-88	17
3856cc (3.9).....	4BD1,Diesel		L4	82-90	22
3856cc (3.9).....	4BD1-T, Turbo,Diesel		L4	82-94	22
256 (4.2)		S	L6	03-06	23
4294cc (4.3).....	OHV (Chevrolet Eng)	X	V6	97-00	24
4334cc (4.3).....	4HF1,Diesel		L4		25
4570cc (4.6).....	4HG1,Diesel		L4		25
4985cc (5.0).....	4HJ1,Diesel		L4		25
323 (5.3)		M	V8	05-05	26
323 (5.3)		P	V8	03-04	26
325 (5.3)		M	V8	06-06	26
5393cc (5.4).....	6BB1,Diesel		L6	72-90	27
5785cc (5.8).....	6BD1,Diesel		L6	77-90	27
5785cc (5.8).....	6BD1-T, Turbo,Diesel		L6	79-88	27
6130cc (6.2).....	6BF1,Diesel		L6	80-88	27
6494cc (6.5).....	6BG1,Diesel		L6	84-88	27

ISUZU MODEL INDEX

Model	CID	cc	Liter	Description	Years
AMIGO		2180	2.2		99-00
		2254	2.3	4ZD1	89-93
		2559	2.6	4ZE1	89-94
		3165	3.2	6VD1 DOHC	98
		3165	3.2	DOHC	99-00
ASCENDER	256		4.2		03-06
	323		5.3		03-04
ASCENDER - LIMITED	323		5.3		05
ASCENDER - LS	256		4.2		05-06
	323		5.3		05
	325		5.3		06
ASCENDER - S	256		4.2		05
	323		5.3		05
AXIOM		3475	3.5		02
		3491	3.5		03-04
HOMBRE		2180	2.2	OHV (Chev. Eng.)	96-00
		4294	4.3	OHV (Chevrolet Eng)	97-00
I-280	169	2770	2.8		06
I-350	211	3460	3.5		06
I-MARK		1471	1.5	4XC1	85-89
		1471	1.5	4XC1-T	87-89
		1588	1.6	4XE1W/RLK	89
		1817	1.8	4FB1	81-83
		1817	1.8	G180Z	81-84
I-MARK - DLX		1817	1.8	4FB1	84
		1817	1.8	G180Z	84-85
IMPULSE		1588	1.6	4XE1W/RLK	90
		1949	1.9	G200Z	83-87
		1994	2.0	4ZC1-T	85-89
		2254	2.3	4ZD1	88-89
IMPULSE - RS		1588	1.6	4XE1WT/RLK	91-92
IMPULSE - XS		1588	1.6	4XE1W/RLK	91
OASIS		2234	2.3		99
		2254	2.3	F23A7	98
OASIS - LS		2156	2.2	Honda F22B6	96-97
OASIS - S		2156	2.2	Honda F22B6	96-97
PICKUP		1817	1.8	G180Z	81-82
		1949	1.9	G200Z	83-86
		2238	2.2	C223	81-87
		2254	2.3	4ZD1	86-95
		2559	2.6	4ZE1	88-94
PICKUP - 1 TON		2559	2.6	4ZE1	88-92
PICKUP - NORMAL CAB		1949	1.9	G200Z	87
		2238	2.2	C223	87
		2254	2.3	4ZD1	87-95
		2559	2.6	4ZE1	88-95
		3137	3.1	LG6 (Chevrolet Eng.)	91-94
RODEO		2180	2.2		98-03
		2559	2.6	4ZE1	91-97
		3137	3.1	LG6 (Chevrolet Eng.)	91-92
		3165	3.2	6VD1 SOHC	93-97
		3165	3.2	DOHC	98-04
RODEO SPORT		2180	2.2		01-03
		3165	3.2	DOHC	01-03
STYLUS - S		1588	1.6	4XE1V/RLR	91-93
STYLUS - XS		1588	1.6	4XE1W/RLK	91
TROOPER		1949	1.9	G200Z	84-85
		2238	2.2	C223	84-87
		2254	2.3	4ZD1	86-87
		2559	2.6	4ZE1	88-91
		2827	2.8	LL2 (Chevrolet Eng.)	89-91
		3475	3.5		98-02
TROOPER - LS		3165	3.2	6VD1 DOHC	92-95
		3165	3.2	6VD1 SOHC	97
TROOPER - LTD		3165	3.2	6VD1 SOHC	97
TROOPER - RS		3165	3.2	6VD1 DOHC	93-95
TROOPER - S		3165	3.2	6VD1 SOHC	92-97
VEHICROSS		3475	3.5		99-01

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
1325cc (1.3) G130			**L4**	**75mm x 75mm**	**Connecting Rod 42-45 ft.lbs/57-61 Nm**				
1584cc (1.6) G161/W/Z			**L4**	**82mm x 75mm**	**Main Bearing 58-86 ft.lbs/79-116Nm**				
Rod									
	48.925/1.9262 48.940/1.9268	51.985/2.0466 52.000/2.0472	1.513/0.0596	.019/.0007 .075/.0030	22.09/0.870	F780	8	2816 IH	**4B2816** Std. .25 .50 .75 1.0
Main									
1,3,5	55.920/2.2016 55.935/2.2022	58.980/2.3220 59.000/2.3228	1.513/0.0596	.019/.0007 .080/.0031	32.13/1.265	F780	6	2817 IH	**5M2817** Std. .25 .50 .75 1.0
2,4	55.920/2.2016 55.935/2.2022	58.980/2.3220 59.000/2.3228	1.513/0.0596	.019/.0007 .080/.0031	21.08/0.830	F780	4	2818 IH	
Thrust									
3	62.610/2.4650 62.860/2.4748	79.950/3.1476 80.200/3.1575			2.36/0.093	F817	2	3286T IH	**1T3286** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M2817 main set.									
Cam - for SOHC engines with 1.770" shaft only.									
1,2,3	44.975/1.7707 (Nominal)	48.010/1.8902 48.030/1.8909	1.500/0.0591	.035/.0014 .095/.0037	25.42/1.001	F23	3	6127	**3C6127** Std.
AR Auxiliary									
1,2,3		47.993/1.8895	1.488/0.0586		25.00/0.984	F23	3	AGB-14-1	**3C1190S** Std.
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
1471cc (1.5) 4XC1		**7**	**L4**	**77mm x 79mm**	**Connecting Rod 24-27 ft.lbs/33-37 Nm**				
1471cc (1.5) 4XC1-T Turbo		**9**	**L4**	**77mm x 79mm**	**Main Bearing 61-69 ft.lbs/83-93 Nm**				
1471cc (1.5) 4XC1		**K**	**L4**	**77mm x 79mm**					
1588cc (1.6) 4XE1WT/RLK Turbo		**4**	**L4**	**80mm x 79mm**					
1588cc (1.6) 4XE1W/RLK		**5**	**L4**	**80mm x 79mm**					
1588cc (1.6) 4XE1V/RLR		**6**	**L4**	**80mm x 79mm**					
Rod									
	39.929/1.5720 39.945/1.5726	42.980/1.6921 43.000/1.6929	1.506/0.0593		17.00/0.669	F780	8	1870 IH	**4B1870** Std. .25 .50 .75
Main - 1990-93 with 2.044" crankshaft journal.									
1,2,3,4,5	51.915/2.0439 51.938/2.0448	55.976/2.2038 55.989/2.2043	2.009/0.0791	.020/.0008 .082/.0032	17.13/0.674	F780	10	1867 U/L	**5M1867** Std. .25 .50
Main - 1985-90 with 1.887" crankshaft journal.									
1-5	47.918/1.8865 47.938/1.8873	51.976/2.0463 52.000/2.0472	2.010/0.0791	.018/.0007 .089/.0035	17.00/0.669	F780	10	1869 U/L	**5M1869** Std. .25 .50 .75
Thrust									
3	59.000/2.3228 59.000/2.3228	73.596/2.8975 73.850/2.9075			2.21/0.087	F817	2	1867T IH	**1T1867** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M1867 main set.									
Thrust									
3	54.700/2.1535 54.900/2.1614	69.700/2.7441 69.900/2.7520			2.20/0.087	F250	2	1869T IH	**1T1869** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M1869 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**3**
1487cc (1.5) 4FA1 Diesel			**L4**	**76mm x 82mm**	**Connecting Rod 58-65 ft.lbs/79-88 Nm**				
1817cc (1.8) 4FB1 Diesel			**L4**	**84mm x 82mm**	**Main Bearing 65-72 ft.lbs/88-98 Nm**				
1817cc (1.8) 4FB1 Diesel		**P**	**L4**	**84mm x 82mm**					
1995cc (2.0) 4FC1 Diesel			**L4**	**84mm x 90mm**					
2189cc (2.2) 4FD1 Diesel			**L4**	**88mm x 90mm**					
Rod									
	48.924/1.9261 48.936/1.9266	51.972/2.0461 51.985/2.0466	1.509/0.0594	.015/.0006 .066/.0026	22.00/0.866	F780	8	1881 IH	**4B1881** Std. .25 .50 .75 1.0

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 (Cont'd.)									
	Main								
5M1883 Std. .25 .50 .75 1.0	1,2,4,5	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.013/0.0793	.023/.0009 .081/.0032	21.75/0.856	F810	8	1882A U/L
	3	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.013/0.0793	.023/.0009 .081/.0032	21.75/0.856	F810	1	1882A U
	3	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.013/0.0793	.023/.0009 .081/.0032	21.75/0.856	F810	1	1883A L
	Thrust - for engines 8/82 on only.								
1T1824 Std.	3	63.750/2.5098 64.000/2.5197	79.934/3.1470 80.188/3.1570			2.36/0.093	F817	2	1824T IH
	Note: Sets include two pieces, use on No. 3 position. Required with 5M1883 main set.								
	Thrust - for engines to 7/82 only.								
1T3286 Std.	3	62.610/2.4650 62.860/2.4748	79.950/3.1476 80.200/3.1575			2.36/0.093	F817	2	3286T IH
	Note: Sets include two pieces, use on No. 3 position. Required with 5M1883 main set.								
	Cam - for 4FB1 & 4FC1 engines only.								
5C8083 Std.	1-5	29.975/1.1801 (Nominal)	31.025/1.2215 (Nominal)	1.501/0.0591		16.00/0.630	F23	5	8083
	Small End - all engines except 4FD1 (single pieces).								
RB4072 Semi		25.000/0.9843 (Nominal)	28.025/1.1033 (Nominal)	1.529/0.0602		26.75/1.053	F100	1	RB4072

4 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1584cc (1.6) 4ZA1		**L4**	**82mm x 75mm**	**Connecting Rod 43 ft.lbs/58 Nm**
1817cc (1.8) 4ZB1		**L4**	**84mm x 82mm**	**Main Bearing 72 ft.lbs/98 Nm**
1994cc (2.0) 4ZC1-T Turbo	**F**	**L4**	**88mm x 82mm**	
2254cc (2.3) 4ZD1	**L**	**L4**	**89.3mm x 90mm**	

	Rod								
4B2821 Std. .25 .50 .75 1.0 1.25 1.50		48.925/1.9262 48.940/1.9268	51.987/2.0467 52.000/2.0472	1.513/0.0596	.021/.0008 .076/.0030	22.00/0.866	F810	8	2821A IH
	Main								
5M1882 Std. .25 .50 .75 1.0	1-5	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.013/0.0793	.022/.0009 .081/.0032	21.75/0.856	F810	10	1882A IH
	Thrust								
1T1824 Std.	3	63.750/2.5098 64.000/2.5197	79.934/3.1470 80.188/3.1570			2.36/0.093	F817	2	1824T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 5M1882 main set.								

5 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1817cc (1.8) G180Z	**B**	**L4**	**84mm x 82mm**	**Connecting Rod 43 ft.lbs/58 Nm**
1817cc (1.8) G180Z	**N**	**L4**	**84mm x 82mm**	**Main Bearing 72 ft.lbs/98 Nm**

	Rod								
4B2816 Std. .25 .50 .75 1.0		48.925/1.9262 48.940/1.9268	51.985/2.0466 52.000/2.0472	1.513/0.0596	.019/.0007 .075/.0030	22.09/0.870	F780	8	2816 IH
	Main								
5M2817 Std. .25 .50 .75 1.0	1,3,5	55.920/2.2016 55.935/2.2022	58.980/2.3220 59.000/2.3228	1.513/0.0596	.019/.0007 .080/.0031	32.13/1.265	F780	6	2817 IH
	2,4	55.920/2.2016 55.935/2.2022	58.980/2.3220 59.000/2.3228	1.513/0.0596	.019/.0007 .080/.0031	21.08/0.830	F780	4	2818 IH
	Thrust								
1T3286 Std.	3	62.610/2.4650 62.860/2.4748	79.950/3.1476 80.200/3.1575			2.36/0.093	F817	2	3286T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 5M2817 main set.								
	AR Auxiliary								
3C1190S Std.	1,2,3		47.993/1.8895	1.488/0.0586		25.00/0.984	F23	3	AGB-14-1

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**6**
1949cc (1.9) G200Z		**A**	**L4**	**87mm x 82mm**	**Connecting Rod 43 ft.lbs/58 Nm Main Bearing 72 ft.lbs/98 Nm**				
Rod									
	48.925/1.9262 48.940/1.9268	51.987/2.0467 52.000/2.0472	1.513/0.0596	.021/.0008 .076/.0030	22.00/0.866	F810	8	2821A IH	**4B2821** Std. .25 .50 .75 1.0 1.25 1.50
Main - for 1986-88 engines (all mains .856" wide).									
1-5	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.013/0.0793	.022/.0009 .081/.0032	21.75/0.856	F810	10	1882A IH	**5M1882** Std. .25 .50 .75 1.0
Main - for 1983-85 engines.									
1,3,5	55.920/2.2016 55.935/2.2022	58.980/2.3220 59.000/2.3228	1.513/0.0596	.019/.0007 .080/.0031	32.13/1.265	F780	6	2817 IH	**5M2817** Std. .25 .50 .75 1.0
2,4	55.920/2.2016 55.935/2.2022	58.980/2.3220 59.000/2.3228	1.513/0.0596	.019/.0007 .080/.0031	21.08/0.830	F780	4	2818 IH	
Thrust - for 1986-87 engines.									
3	63.750/2.5098 64.000/2.5197	79.934/3.1470 80.188/3.1570			2.36/0.093	F817	2	1824T IH	**1T1824** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M1882 main set.									
Thrust - for 1983-85 engines.									
3	62.610/2.4650 62.860/2.4748	79.950/3.1476 80.200/3.1575			2.36/0.093	F817	2	3286T IH	**1T3286** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M2817 main set.									
AR Auxiliary									
1,2,3		47.993/1.8895	1.488/0.0586		25.00/0.984	F23	3	AGB-14-1	**3C1190S** Std.
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**7**
1951cc (2.0) C190 Diesel			**L4**	**86mm x 84mm**	**Connecting Rod 62 ft.lbs / 84 Nm Mains 125 ft.lbs / 170 Nm**				
Rod - 0.886" wide bearings.									
	52.918/2.0834 52.930/2.0839	55.980/2.2039 56.000/2.2047	1.513/0.0596	.020/.0008 .079/.0031	22.50/0.886	F780	8	1320 IH	**4B1320** Std. .25 .50 .75 1.0
Rod - 0.846" wide bearings.									
	52.918/2.0834 52.930/2.0839	55.980/2.2039 56.000/2.2047	1.508/0.0594	.034/.0013 .092/.0036	21.50/0.846	F780	8	1830 IH	**4B1830** Std. .25 .50 .75
Main - for 6/83 - 1988 engines only.									
1,5	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.017/0.0794	.013/.0005 .074/.0029	27.65/1.089	F780	4	1188 IH	**5M1188** Std. .25 .50 .75
2,4	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.017/0.0794	.013/.0005 .074/.0029	23.13/0.911	F780	4	1194 IH	
3	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.017/0.0794	.013/.0005 .074/.0029	28.85/1.136	F780	2	1189 IH	
Main - for 1972-5/83 engines only.									
1,5	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.013/0.0793	.017/.0007 .079/.0031	31.10/1.224	F780	4	1193 IH	**5M1193** Std. .25 .50 .75
2,4	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.013/0.0793	.017/.0007 .079/.0031	23.13/0.911	F780	4	1194 IH	
3	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.013/0.0793	.017/.0007 .079/.0031	38.10/1.500	F780	2	1195 IH	
Thrust									
3	72.260/2.8449 72.520/2.8551	86.610/3.4098 86.870/3.4201			2.49/0.098	F817	2	1192T IH	**1T1192** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M1193/5M1188 main sets.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 (Cont'd.)									
	Cam - for 1972-81 engines only.								
3C8116 Std.	1	47.960/1.8882 47.970/1.8886	52.020/2.0480 52.040/2.0488	2.019/0.0795	.012/.0005 .066/.0026	25.75/1.014	F23	1	8116
	2	47.960/1.8882 47.970/1.8886	52.020/2.0480 52.040/2.0488	2.019/0.0795	.012/.0005 .066/.0026	25.75/1.014	F23	1	8117
	3	47.960/1.8882 47.970/1.8886	52.020/2.0480 52.040/2.0488	2.019/0.0795	.012/.0005 .066/.0026	25.75/1.014	F23	1	8118
	Cam - for 1982-88 engines only.								
3C8127 Std.	1	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8127
	2	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8128
	3	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8129
	Small End - single pieces. For 1972-81 engines only.								
RB4058 Semi		26.995/1.0628 27.000/1.0630	30.000/1.1811 30.025/1.1821	1.730/0.0681		33.48/1.318	F100	1	RB4058

8 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2156cc (2.2) Honda F22B6	**4**	**L4**	**85mm x 95mm**	**Connecting Rod 34 ft.lbs/46 Nm Main Bearing 52 ft.lbs/70 Nm**

	Rod								
4B1936 Std. .25 .50 .75 1.0		47.955/1.8880 47.976/1.8888	51.003/2.0080 51.024/2.0088	1.504/0.0592	.020/.0008 .086/.0034	19.40/0.764	F780	8	1936 IH
	Main								
5M1937 Std. .25 .50	1-5	49.980/1.9677 50.000/1.9685	54.000/2.1260 54.020/2.1268	2.004/0.0789		20.00/0.787	F780	10	1937 IH
	Thrust								
1T1937 Std.	4	57.650/2.2697 57.900/2.2795	77.600/3.0551 77.850/3.0650			2.49/0.098	F817	2	1937T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M1937 main set.								

9 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2180cc (2.2) OHV (Chev. Eng.)	**4**	**L4**	**3.50 x 3.46**	**Connecting Rod 38 ft.lbs/51 Nm**
2180cc (2.2) OHV (Chev. Eng.)	**5**	**L4**	**3.50 x 3.46**	**Main Bearing 70 ft.lbs/95 Nm**

	Rod								
4B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH
	Main - for Trucks (1996-97). (This set contains shells that have the same tang location for positions #1,2,3 & 5)								
5M7124P Std. .25 .50 .75 1.0	1,2,3,5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	8	7123 IH
	4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH
	Overflange length remains constant for standard and undersizes.								
	Main - for Trucks (1998 on). Different tang location for #3 position bearing.								
5M7164P Std. .25 .50 .75 1.0	1,2,5	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.423/0.0954	.021/.0008 .097/.0038	18.72/0.737	F780	6	7123 IH
	3	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.423/0.0954	.021/.0008 .097/.0038	20.75/0.817	F780	2	7164 IH
	4 (FI)	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.423/0.0954	.021/.0008 .097/.0038	23.93/0.942	F780	2	7124 IH
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 9
Main - Alt set to 5M7164P with +0.010" overflange length increase. * See dimensional information below.									
1,2,5	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.548/0.1003 (@ 0.25 mm u/s)	.021/.0008 .097/.0038	18.72/0.737	F780	6	7123 IH	**5M7183P** .25 .50 .75 1.0
3	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.548/0.1003 (@ 0.25 mm u/s)	.021/.0008 .097/.0038	20.75/0.817	F780	2	7164 IH	
4 (Fl)	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.548/0.1003 (@ 0.25 mm u/s)	.021/.0008 .097/.0038	24.18/0.952	F780	2	7183 IH	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M7183P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

Cam									
1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1	**5C1195S** Std.
2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4	
3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS **10**
2180cc (2.2) (X22SE)		**L4**	**86mm x 94.6mm**	**Connecting Rod 25 ft.lbs / 35 Nm + 45 deg + 15 deg**
2180cc (2.2) (X22SE)	**D**	**L4**	**86mm x 94.6mm**	Tighten in three stages **Main Bearing 37 ft.lbs / 50 Nm + 45 deg + 15 deg** Tighten in three stages

Rod									
	48.971/1.9280 48.987/1.9286	52.000/2.0472 52.012/2.0477	1.500/0.0591	.013/.0005 .057/.0022	19.30/0.760	F810	8	2322A U/L	**4B2322A** Std. .25 .50 .75 1.0
Supercedes 4B1408P.									
Main - two oil holes in flange bearing.									
1,2,4,5	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	19.50/0.768	F780	8	2327 IH	**5M2325** Std. .25 .50 .75 1.0
3 (Fl)	57.974/2.2824 57.995/2.2833	60.000/2.3622 60.013/2.3627	1.995/0.0785		25.90/1.020	F780	2	2325 IH	
*Overflange length increases for undersizes. *See below for dimensional information.*									

*** DIMENSIONAL INFORMATION FOR 5M2325**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.028"/26.10mm	+.008"/0.20mm
0.50 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm
0.75 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm
1.00 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS **11**
2207cc (2.2) C221 Diesel		**L4**	**83mm x 102mm**	**Connnecting Rod 56-59 ft.lbs/76-80 Nm**
2369cc (2.4) C240 Diesel		**L4**	**86mm x 102mm**	**Main Bearing 115-130 ft.lbs/156-176 Nm**

Rod - 0.886" wide bearings.									
	52.918/2.0834 52.930/2.0839	55.980/2.2039 56.000/2.2047	1.513/0.0596	.020/.0008 .079/.0031	22.50/0.886	F780	8	1320 IH	**4B1320** Std. .25 .50 .75 1.0
Rod - 0.846" wide bearings.									
	52.918/2.0834 52.930/2.0839	55.980/2.2039 56.000/2.2047	1.508/0.0594	.034/.0013 .092/.0036	21.50/0.846	F780	8	1830 IH	**4B1830** Std. .25 .50 .75

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
11 (Cont'd.)									
	Main								
5M1322 Std. .25 .50 .75 1.0	1,5	69.920/2.7528 69.930/2.7531	73.980/2.9126 74.000/2.9134	2.014/0.0793	.022/.0009 .079/.0031	30.63/1.206	F780	4	1322 IH
	2,4	69.920/2.7528 69.930/2.7531	73.980/2.9126 74.000/2.9134	2.014/0.0793	.022/.0009 .079/.0031	21.53/0.848	F780	4	1323 IH
	3	69.920/2.7528 69.930/2.7531	73.980/2.9126 74.000/2.9134	2.014/0.0793	.022/.0009 .079/.0031	36.13/1.422	F780	2	1324 IH
	Thrust								
1T1893 Std.	3	78.250/3.0807 78.500/3.0905	92.450/3.6398 92.700/3.6496			2.48/0.098	F817	2	1893T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 5M1322 main set.								
	Cam - for 1968-81 engines only.								
3C8116 Std.	1	47.960/1.8882 47.970/1.8886	52.020/2.0480 52.040/2.0488	2.019/0.0795	.012/.0005 .066/.0026	25.75/1.014	F23	1	8116
	2	47.960/1.8882 47.970/1.8886	52.020/2.0480 52.040/2.0488	2.019/0.0795	.012/.0005 .066/.0026	25.75/1.014	F23	1	8117
	3	47.960/1.8882 47.970/1.8886	52.020/2.0480 52.040/2.0488	2.019/0.0795	.012/.0005 .066/.0026	25.75/1.014	F23	1	8118
	Cam - for 1982-88 engines.								
3C8127 Std.	1	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8127
	2	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8128
	3	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8129
	Small End - I.D. bored, single pieces. For C221 engines only.								
RB4013 Std.		24.995/0.9841 25.000/0.9843	27.995/1.1022 28.000/1.1024	1.727/0.0680		34.29/1.350	F100	1	RB4013
	Small End - I.D. bored, single pieces. For 1969-81 C240 engines only.								
RB4058 Semi		26.995/1.0628 27.000/1.0630	30.000/1.1811 30.025/1.1821	1.730/0.0681		33.48/1.318	F100	1	RB4058

12 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2238cc (2.2) C223 Diesel	**S**	**L4**	**88mm x 92mm**	**Connecting Rod 58-65 ft.lbs/79-88 Nm**
2238cc (2.2) C223 Turbo Diesel	**U**	**L4**	**88mm x 92mm**	**Main Bearing 116-130 ft.lbs/158-177 Nm**

	Rod - Naturally Aspirated engines only.								
4B1320 Std. .25 .50 .75 1.0		52.918/2.0834 52.930/2.0839	55.980/2.2039 56.000/2.2047	1.513/0.0596	.020/.0008 .079/.0031	22.50/0.886	F780	8	1320 IH
	Rod - Turbo engines only.								
4B1830 Std. .25 .50 .75		52.918/2.0834 52.930/2.0839	55.980/2.2039 56.000/2.2047	1.508/0.0594	.034/.0013 .092/.0036	21.50/0.846	F780	8	1830 IH
	Main - Naturally Aspirated engines only.								
5M1188 Std. .25 .50 .75	1,5	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.017/0.0794	.013/.0005 .074/.0029	27.65/1.089	F780	4	1188 IH
	2,4	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.017/0.0794	.013/.0005 .074/.0029	23.13/0.911	F780	4	1194 IH
	3	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.017/0.0794	.013/.0005 .074/.0029	28.85/1.136	F780	2	1189 IH
	Main - Turbo engines only.								
5M1827 Std. .25 .50 .75	1,5	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.012/0.0792	.023/.0009 .084/.0033	27.65/1.089	F780	4	1827 U/L
	2,4	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.012/0.0792	.023/.0009 .084/.0033	21.13/0.832	F780	4	1829 U/L
	3	59.920/2.3591 59.932/2.3595	63.975/2.5187 64.000/2.5197	2.012/0.0792	.023/.0009 .084/.0033	28.85/1.136	F780	2	1828 U/L
	Thrust								
1T1192 Std.	3	72.260/2.8449 72.520/2.8551	86.610/3.4098 86.870/3.4201			2.49/0.098	F817	2	1192T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 5M1188/5M1827 main sets.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 12
Cam									
1	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8127	**3C8127** Std.
2	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8128	
3	47.940/1.8874 47.970/1.8886	51.999/2.0472 52.034/2.0486	2.027/0.0798		22.23/0.875	F23	1	8129	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2234cc (2.3) (F23A7)		**L4**	**86mm x 97mm**	**Connecting Rod 34 ft.lbs/45 Nm**	13
2254cc (2.3) F23A7		**L4**	**86mm x 97mm**	**Main Bearing 22 ft.lbs/30 Nm** Stage 1 **Main Bearing 58 ft.lbs/78 Nm** Stage 2	

Rod - Race Series material.									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.502/0.0591	.032/.0013 .050/.0020	15.50/0.610	F781	8	1906H IH	**4B1906H** Std. .025 .25 .50
Rod - Race Series material - bearings are 0.0005" thinner per half to give 0.001" extra clearance for standard sized cranks.									
	44.976/1.7707 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.489/0.0586	.046/.0018 .063/.0025	15.50/0.610	F781	8	1906HX IH	**4B1906HX** Std.
Main									
1-5	54.980/2.1646 55.000/2.1654	59.000/2.3228 59.020/2.3236	2.007/0.0790	.005/.0002 .072/.0028	20.00/0.787	F780	10	1957 IH	**5M1957** Std. .25 .50 .75 1.0
Thrust									
4	61.250/2.4114 61.500/2.4213	81.750/3.2185 82.000/3.2283			2.50/0.098	F817	2	1957T IH	**1T1957** Std.
Note: Set includes two pieces, use on No. 4 position. Required with 5M1937 main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2499cc (2.5) 4JA1 Diesel		**L4**	**93mm x 92mm**	**Connecting Rod 59-65 ft.lbs/80-88 Nm**	14
2771cc (2.8) 4JB1 Diesel		**L4**	**93mm x 92mm**	**Main Bearing 123 ft.lbs/167Nm**	
2771cc (2.8) 4JB1-T Turbo Diesel		**L4**	**93mm x 92mm**		

Rod									
	52.930/2.0839 (Nominal)	56.000/2.2047 (Nominal)	1.513/0.0596		25.83/1.017	F820	8	1890AL IH	**4B1890** Std. .25 .50 .75 1.0
Note: The crankshafts in these engines have been hardened by Nitriding or Tuftriding by the manuafcturer and this hardness must be maintained after grinding the shaft.									
Main - for 4JA1 engines only.									
1,2,3,4,5	59.920/2.3591 59.930/2.3594	63.987/2.5192 64.000/2.5197	2.004/0.0789	.049/.0019 .098/.0039	23.03/0.907	F820	10	1892AL U/L	**5M1892** Std. .25 .50 .75 1.0
Main - for 4JB1 engines only.									
1,2,3,4,5	69.920/2.7528 69.930/2.7531	73.975/2.9124 74.000/2.9134	2.004/0.0789	.037/.0015 .098/.0039	23.03/0.907	F780	10	1893 U/L	**5M1893** Std. .25 .50 .75 1.0
Thrust - for 4JA1 engines only.									
3	72.260/2.8449 72.520/2.8551	86.610/3.4098 86.870/3.4201			2.49/0.098	F817	2	1192T IH	**1T1192** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M1892 main sets.									
Thrust - for 4JB1 engines only.									
3	78.250/3.0807 78.500/3.0905	92.450/3.6398 92.700/3.6496			2.48/0.098	F817	2	1893T IH	**1T1893** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M1893 main set.									
Cam									
1	49.975/1.9675 (Nominal)	54.036/2.1274 (Nominal)	2.025/0.0797		25.00/0.984	F23	1	8084	**3C8084** Std.
2, 3	49.975/1.9675 (Nominal)	54.036/2.1274 (Nominal)	2.025/0.0797		22.00/0.866	F23	2	8085	
Small End - Not bored, single pieces. Suits 4JA1 (85-90), 4JB1 (85-90) & 4JB1 Turbo engines up to 9/88.									
	30.995/1.2203 31.000/1.2205	37.000/1.4567 (Nominal)			33.00/1.299	F100	1	RB4103	**RB4103** Semi

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
14 (Cont'd.)									
	Small End - Not bored, single pieces. Suits 4JB1 Turbo engines from 9/88 on.								
RB4104 Semi		33.994/1.3383 34.000/1.3386	37.000/1.4567 (Nominal)			33.00/1.299	F100	1	RB4104
15 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
2559cc (2.6) 4ZE1		**E**	**L4**	**92.6mm x 95mm**	**Connecting Rod 43 ft.lbs/58 Nm Main Bearing 72 ft.lbs/98 Nm**				
	Rod								
4B1820 Std. .25 .50 .75 1.0		48.927/1.9263 48.940/1.9268	51.985/2.0466 52.005/2.0474	1.510/0.0594	.025/.0010 .084/.0033	22.00/0.866	F780	8	1820 IH
	Main								
5M1824 Std. .25 .50 .75 1.0	1-5	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.008/0.0791	.032/.0013 .091/.0036	21.75/0.856	F780	10	1824 U/L
	Thrust								
1T1824 Std.	3	63.750/2.5098 64.000/2.5197	79.934/3.1470 80.188/3.1570			2.36/0.093	F817	2	1824T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 5M1824 set.								
16 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
169 2770cc (2.8)		**8**	**L4**	**936mm x 101.6mm**	**Connecting Rod 18 ft.lbs + 110 deg Main Bearing 18 ft.lbs + 180 deg**				
	Rod								
4B2290A Std. .25 .50 .75		56.691/2.2319 56.707/2.2326	60.322/2.3749 60.338/2.3755	1.802/0.0709	.011/.0004 .059/.0023	20.75/0.817	F810	8	2290A IH
	Rod - .002" oversize back version of 4B2290A.								
4B2290AO/S2 .25 .50 .75 1.0		56.691/2.2319 56.707/2.2326	60.372/2.3768 60.388/2.3775	1.952/0.0769 (@ 0.25mm u/size)	.011/.0004 .059/.0023	20.75/0.817	F810	8	9102A IH
17 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
2775cc (2.8) 4BA1 Diesel 3595cc (3.6) 4BB1 Diesel			**L4 L4**	**98mm x 92mm 102mm x 110mm**	**Connecting Rod 80-87 ft.lbs/108-118 Nm Main Bearing 167-187 ft.lbs/226-254 Nm**				
	Rod - order number of pairs required per engine.								
2B1886 Std. .25 .50 .75 1.0 1.25 1.50		63.932/2.5170 63.944/2.5175	68.000/2.6772 68.015/2.6778	2.012/0.0792	.032/.0013 .084/.0033	29.80/1.173	F780	4	1886 IH
	Main - for engines from 11/85 - 88. Notch width of 4.4mm.								
5M1894 Std. .25 .50 .75	1,2,3U, 4,5	75.913/2.9887 75.925/2.9892	81.006/3.1892 81.019/3.1897	2.525/0.0994	.031/.0012 .081/.0032	27.80/1.094	F780	9	1894 IH
	3L	75.913/2.9887 75.925/2.9892	81.006/3.1892 81.019/3.1897	2.505/0.0986	.071/.0028 .122/.0048	27.80/1.094	F780	1	1895 L
	Thrust - for engines from 1973 to 10/85.								
2T1888 Std.	4	84.500/3.3268 (Nominal I.D.)	101.000/3.9764 (Nominal O.D.)			2.50/0.098	F250	4	1888T U/L
	Note: Set includes four pieces, use on No. 4 position.								
	Thrust - for engines from 11/85 - 88.								
2T1889 Std.	4	88.000/3.4646 (Nominal I.D.)	101.000/3.9764 (Nominal O.D.)			2.50/0.098	F780	4	1889T U/L
	Note: Set includes four pieces, use on No. 4 position. Required with 5M1894 main set.								
	Cam - for engines from 1977 - 88.								
3C8081 Std.	1	55.945/2.2026 55.970/2.2035	60.000/2.3622 60.046/2.3640	1.995/0.0785	.040/.0016 .161/.0063	20.00/0.787	F23	1	8082
	2,3	55.945/2.2026 55.970/2.2035	60.000/2.3622 60.046/2.3640	1.995/0.0785	.040/.0016 .161/.0063	20.00/0.787	F23	2	8081
	Cam - for engines from 1973 - 76.								
4C8081 Std.	1	55.945/2.2026 55.970/2.2035	60.000/2.3622 60.046/2.3640	1.995/0.0785	.040/.0016 .161/.0063	20.00/0.787	F23	1	8082
	2,3,4	55.945/2.2026 55.970/2.2035	60.000/2.3622 60.046/2.3640	1.995/0.0785	.040/.0016 .161/.0063	20.00/0.787	F23	3	8081

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 17
Small End - not bored, single pieces. Suits 4BB1 engines only.									
	34.995/1.3778 35.000/1.3780	38.000/1.4961 38.025/1.4970			38.00/1.496	F100	1	RB4073	**RB4073** Semi

ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2827cc (2.8) LL2 (Chevrolet Eng.)	**R**	**V6**	**89mm x 76mm**	**Connecting Rod 34-40 ft.lbs/47-54 Nm**
3137cc (3.1) LG6 (Chevrolet Eng.)	**Z**	**V6**	**89mm x 84mm**	**Main Bearing 63-74 ft.lbs/85-101 Nm**

18

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod - High Strength Aluminum Silicon material.									
	50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A	**6B1238A** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 6B1238A.									
	50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH	**6B1238AO/S2** 10 20 30 40
Main - High Strength Aluminum Silicon material.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L	**4M2037A** Std. .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L	
Main - optional set to 4M2037P with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L	**4M7122P** .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Cam									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102S** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	
Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102SW** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
19 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
3165cc (3.2) 6VD1 SOHC			**V V6**	**93.4mm x 77mm**		**Connecting Rod 40 ft. lbs/54 Nm**			
3165cc (3.2) 6VD1 DOHC			**W V6**	**93.4mm x 77mm**		**Main Bearing 29 ft.lbs/39 Nm** Consult Service			
3165cc (3.2) DOHC (6VD1)			**V6**	**93.4mm x 77mm**		Manuals for tightening sequence.			
3165cc (3.2) DOHC (6VD1)			**W V6**	**93.4mm x 77mm**					
3475cc (3.5) (6VE1)			**V6**	**93.4mm x 77mm**					
3475cc (3.5) (6VE1)			**X V6**	**93.4mm x 77mm**					
3491cc (3.5) (6VE1)			**X V6**	**93.4mm x 77mm**					
	Rod								
6B1840		53.922/2.1229	56.982/2.2434	1.513/0.0596	.019/.0007	17.12/0.674	F780	12	1840
Std. .25 .50 .75 1.0		53.937/2.1235	57.000/2.2441		.078/.0031				IH
	Main								
4M1842	1,4	63.919/2.5165	68.979/2.7157	2.527/0.0995	.025/.0010	18.50/0.728	F780	4	1842
Std. .25 .50 .75 1.0		63.932/2.5170	68.999/2.7165		.084/.0033				IH
	2,3	63.919/2.5165	68.979/2.7157	2.527/0.0995	.025/.0010	16.50/0.650	F780	4	1843
		63.932/2.5170	68.999/2.7165		.084/.0033				U/L
	Thrust								
1T1842		71.000/2.7953	97.550/3.8405			1.95/0.077	F817	2	1842T
Std.		71.250/2.8051	97.800/3.8504						IH
	Note: Set includes two pieces. Required with 4M1842 main set.								
20 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
3268cc (3.3) 4BC1 Diesel			**L4**	**102mm x 100mm**		**Connecting Rod 80-87 ft.lbs/108-118 Nm**			
3268cc (3.3) 4BC2 Diesel			**L4**	**102mm x 100mm**		**Main Bearing 167-187 ft.lbs/226-254 Nm**			
	Rod - order number of pairs required per engine.								
2B1886		63.932/2.5170	68.000/2.6772	2.012/0.0792	.032/.0013	29.80/1.173	F780	4	1886
Std. .25 .50 .75 1.0 1.25 1.50		63.944/2.5175	68.015/2.6778		.084/.0033				IH
	Main - for 4BC1, 10/81-1984. 4BC2, 2/80 on. Notch width of 4.4mm.								
5M1894	1,2,3U,	75.913/2.9887	81.006/3.1892	2.525/0.0994	.031/.0012	27.80/1.094	F780	9	1894
Std. .25 .50 .75	4,5	75.925/2.9892	81.019/3.1897		.081/.0032				IH
	3L	75.913/2.9887	81.006/3.1892	2.505/0.0986	.071/.0028	27.80/1.094	F780	1	1895
		75.925/2.9892	81.019/3.1897		.122/.0048				L
	Thrust - for 4BC1, 1979 - 9/81. 4BC2, 2/80 - 10/84.								
2T1888	4	84.500/3.3268	101.000/3.9764			2.50/0.098	F250	4	1888T
Std.		(Nominal I.D.)	(Nominal O.D.)						U/L
	Note: Set includes four pieces, use on No. 4 position.								
	Thrust - for 4BC1,10/81-1984. 4BC2 11/84 on.								
2T1889	4	88.000/3.4646	101.000/3.9764			2.50/0.098	F780	4	1889T
Std.		(Nominal I.D.)	(Nominal O.D.)						U/L
	Note: Set includes four pieces, use on No. 4 position.								
	Cam								
3C8081	1	55.945/2.2026	60.000/2.3622	1.995/0.0785	.040/.0016	20.00/0.787	F23	1	8082
Std.		55.970/2.2035	60.046/2.3640		.161/.0063				
	2,3	55.945/2.2026	60.000/2.3622	1.995/0.0785	.040/.0016	20.00/0.787	F23	2	8081
		55.970/2.2035	60.046/2.3640		.161/.0063				
	Small End - for 4BC2 engines only. Not bored, single pieces.								
RB4073		34.995/1.3778	38.000/1.4961			38.00/1.496	F100	1	RB4073
Semi		35.000/1.3780	38.025/1.4970						
21 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
211 3460cc (3.5)			**6 L5**	**93mm x 101.6mm**		**Connecting Rod 18 ft.lbs + 110 deg**			
						Main Bearing 18 ft.lbs + 180 deg			
	Rod								
5B2290A		56.694/2.2320	60.322/2.3749	1.802/0.0709	.011/.0004	20.75/0.817	F810	10	2290A
Std. .25 .50 .75		56.707/2.2326	60.338/2.3755		.059/.0023				IH
	Rod - .002" oversize back version of 5B2290A.								
5B2290AO/S2		56.691/2.2319	60.372/2.3768	1.952/0.0769	.011/.0004	20.75/0.817	F810	10	9102A
.25 .50 .75 1.0		56.707/2.2326	60.388/2.3775	(@ 0.25mm u/size)	.059/.0023				IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**22**
3856cc (3.9) 4BD1 Diesel			**L4**	**102mm x 118mm**	**Connecting Rod 90 ft.lbs**				
3856cc (3.9) 4BD1-T Turbo Diesel			**L4**	**102mm x 118mm**	**Main Bearing 180 ft.lbs**				
Rod - order number of pairs required per engine.									
	63.932/2.5170 63.944/2.5175	68.000/2.6772 68.015/2.6778	2.012/0.0792	.032/.0013 .084/.0033	29.80/1.173	F780	4	1886 IH	**2B1886** Std. .25 .50 .75 1.0 1.25 1.50
Main - notch width of 4.5 mm.									
1,2,3,4,5	79.913/3.1462 79.925/3.1466	85.000/3.3465 85.019/3.3472	2.518/0.0991	.039/.0015 .096/.0038	26.28/1.035	F780	10	1884 U/L	**5M1884** Std. .25 .50 .75
Thrust									
4	88.000/3.4646 (Nominal I.D.)	101.000/3.9764 (Nominal O.D.)			2.50/0.098	F780	4	1889T U/L	**2T1889** Std.
Note: Set includes four pieces, use on No. 4 position. Required with 5M1884 main set.									
Cam									
1	55.945/2.2026 55.970/2.2035	60.000/2.3622 60.046/2.3640	1.995/0.0785	.040/.0016 .161/.0063	20.00/0.787	F23	1	8082	**3C8081** Std.
2,3	55.945/2.2026 55.970/2.2035	60.000/2.3622 60.046/2.3640	1.995/0.0785	.040/.0016 .161/.0063	20.00/0.787	F23	2	8081	
Small End - not bored, single pieces.									
	34.995/1.3778 35.000/1.3780	38.000/1.4961 38.025/1.4970			38.00/1.496	F100	1	RB4073	**RB4073** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**23**
256 (4.2)		**S**	**L6**	**93mm x 102mm**	**Connecting Rod 18 ft.lbs + 110 deg** **Main Bearing 18 ft.lbs + 180 deg**				
Rod - High Strength Aluminum Silicon material.									
	56.691/2.2319 56.707/2.2326	60.322/2.3749 60.338/2.3755	1.798/0.0708	.011/.0004 .059/.0023	20.75/0.817	F810	12	2290A IH	**6B2290A** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 6B2290A.									
	56.691/2.2319 56.707/2.2326	60.372/2.3768 60.388/2.3775	1.952/0.0769 (@ .25mm u/s)	.011/.0004 .059/.0023	20.75/0.817	F810	12	9102A IH	**6B2290AO/S2** .25 .50 .75 1.0
Main									
1,2,3,4,6, 7	69.967/2.7546 69.982/2.7552	78.069/3.0736 78.087/3.0743	4.044/0.1592	.007/.0003 .050/.0020	20.68/0.814	F820	12	MB3781P U/L	**7M2224A** Std. 10 20
5 (FI)	69.967/2.7546 69.982/2.7552	78.069/3.0736 78.087/3.0743	4.044/0.1592	.007/.0003 .050/.0020	25.35/0.998	F820	2	MB3782P U/L	
Small End									
	22.997/0.9054 23.000/0.9055	25.857/1.0180	1.372/0.0540		23.75/0.935	F100	1	223-3664	**AB3664** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**24**
4294cc (4.3) OHV (Chevrolet Eng)		**X**	**V6**	**4.000 x 3.484**	**Connecting Rod 45 ft.lbs/61 Nm** **Main Bearing 70 ft.lbs/95 Nm**				
Rod - High Strength Aluminum Silicon material.									
	57.130/2.2492 57.145/2.2498	60.317/2.3747 60.342/2.3757	1.575/0.0620	.022/.0009 .089/.0035	18.92/0.745	F810	12	7111A	**6B1358A** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 6B1358A.									
	57.130/2.2492 57.145/2.2498	60.368/2.3767 60.393/2.3777	1.613/0.0635 (@ .010" u/s)	.022/.0009 .089/.0035	18.92/0.745	F810	12	9042A IH	**6B1358AO/S2** 10 20 30 40
Rod									
	57.130/2.2492 57.145/2.2498	60.317/2.3747 60.342/2.3757	1.575/0.0620	.022/.0009 .089/.0035	18.92/0.745	F780	12	7111 IH	**6B1358P** Std. 01 10 20 30 40 50 60
Main - High Strength Aluminum Silicon material.									
1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F810	6	2377A U/L	**4M1454A** Std. 01 10 20 30 40
4	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
24 (Cont'd.)									
	Main								
4M1454P Std. 01 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (Fl)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 4M1454P with +0.020" overflange length increase. *See dimensional information below.								
4M1628P 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (Fl)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1628P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"

	Main - optional set to 4M1454P with +0.040" overflange length increase. *See dimensional information below.								
4M1684P 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (Fl)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.65/1.758	F780	2	2355 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M1684P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

	Cam - for 1997-00 engines without ID number "T" on front of block.								
4C1089S Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1
	2,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		18.92/0.745	F23	2	CH-4-2
	3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	1	CH-4-3
	Cam - for 1997-00 engines with ID number "T" on front of block.								
4C1351S Std.	1,4	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		19.05/0.750	F23	2	CH-4-1
	2	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		19.05/0.750	F23	1	CH-4-3
	3	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		19.05/0.750	F23	1	CH-4-2
	Balance Shaft - Set contains bearing & spacer (does not suit engines with roller bearings)								
1BS1400S Std.	Rear	38.064/1.4986 38.100/1.5000	47.587/1.8735 47.612/1.8745	4.724/0.1860	.013/.0005 .050/.0020	21.21/0.835	F23	1	CHG-15A

25 ENGINE

	VIN	CYL	Bore x Stroke
4334cc (4.3) 4HF1 Diesel		**L4**	**112mm x 110mm**
4570cc (4.6) 4HG1 Diesel		**L4**	**115mm x 110mm**
4985cc (5.0) 4HJ1 Diesel		**L4**	**115mm x 120mm**

TORQUE SETTINGS

Connecting Rod 39 Nm + 60 deg + 30 deg Tighten in three steps
Main Bearing 132 Nm M14 Cap bolts (Step 2)
Main Bearing 37 Nm M10 Crankcase bolts
Main Bearing 98 Nm M14 Cap bolts (Step 1)
Main Bearing : Turn 30-60 deg M14 Cap bolts (Step 3)

	Rod								
4B1836 Std. .25 .50 .75 1.0		65.902/2.5946 65.922/2.5953	69.985/2.7553 70.000/2.7559	2.013/0.0793	.037/.0015 .092/.0036	30.40/1.197	F780	8	1836 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 25
Main									
1-5	81.905/3.2246 81.925/3.2254	87.000/3.4252 87.019/3.4259	2.523/0.0993	.029/.0011 .088/.0035	27.25/1.073	F780	10	1837 U/L	**5M1837** Std. .25 .50 .75
Thrust									
	92.700/3.6496 92.950/3.6594	109.750/4.3209 110.000/4.3307			3.00/0.118	F817	1	1837T U	**3T1837** Std.
	92.700/3.6496 92.950/3.6594	109.750/4.3209 110.000/4.3307			3.00/0.118	F817	2	1838T L	

Note: Set includes three pieces. Required with 5M1837 main set.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	26
323 (5.3)	**M**	**V8**	**96mm x 92mm**	**Connecting Rod 15 ft.lbs + 60 deg.**	
323 (5.3)	**P**	**V8**	**96mm x 92mm**	**Main Bearing 15 ft.lbs + 80 deg** Inner	
325 (5.3)	**M**	**V8**	**96mm x 92mm**	**Main Bearing 18 ft.lbs** Side Bolts	

Rod - High Strength Aluminum Silicon material.									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A	**8B663A** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 8B663A.									
	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH	**8B663AO/S2** 10 20 30 40
Rod									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH	**8B663P** Std. 01 10 20 30 40 50 60
Rod - .002" oversize OD version of 8B663P.									
	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH	**8B663PO/S2** 10 20 30 40
Main - High Strength Aluminum Silicon material.									
1,2,4,5	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.006/.0002 .046/.0018	20.45/0.805	F810	8	7298A U/L	**5M7298A** Std. 10 20 30 40
3 (FI)	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.002/.0001 .046/.0018	26.10/1.028	F810	2	7299A U/L	
Cam - for engines 2003 with first design (see position 1 & 5 housing bore).									
1,5	54.991/2.1650 55.042/2.1670	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1	**5C1000S** Std.
2,4	54.991/2.1650 55.042/2.1670	58.829/2.3161 58.879/2.3181	1.880/0.0740		16.00/0.630	F23	2	CH-10-2	
3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3	
Cam - for engines from 2003-on with second design (see position 1 & 5 housing bore).									
1,5	54.991/2.1650 55.042/2.1670	59.588/2.3460 59.639/2.3480	2.260/0.0890		16.00/0.630	F23	2	CH-23-1	**5C1001S** Std.
2,4	54.991/2.1650 54.042/2.1276	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1	
3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	27
5393cc (5.4) 6BB1 Diesel		**L6**	**102mm x 110mm**	**Connecting Rod 80-87 ft.lbs/108-118 Nm**	
5785cc (5.8) 6BD1 Diesel		**L6**	**102mm x 118mm**	**Main Bearing 174 ft.lbs/236 Nm**	
5785cc (5.8) 6BD1-T Turbo Diesel		**L6**	**102mm x 118mm**		
6130cc (6.2) 6BF1 Diesel		**L6**	**105mm x 118mm**		
6494cc (6.5) 6BG1 Diesel		**L6**	**105mm x 125mm**		

Rod - order number of pairs required per engine.									
	63.932/2.5170 63.944/2.5175	68.000/2.6772 68.015/2.6778	2.012/0.0792	.032/.0013 .084/.0033	29.80/1.173	F780	4	1886 IH	**2B1886** Std. .25 .50 .75 1.0 1.25 1.50

Note: Some 6BB1 series engines have been assembled with larger diameter crankshafts as fitted to the 6BD1 series engine.Therefore please check crankshaft main journals for size before ordering main bearings.

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
27 (Cont'd.)									
	Main - for engines from 5/80 - 1990 only. Notch width of 4.5mm.								
7M1884 Std. .25 .50 .75	1-7	79.913/3.1462 79.925/3.1466	85.000/3.3465 85.019/3.3472	2.518/0.0991	.039/.0015 .096/.0038	26.28/1.035	F780	14	1884 U/L
	Thrust								
2T1889 Std.	4	88.000/3.4646 (Nominal I.D.)	101.000/3.9764 (Nominal O.D.)			2.50/0.098	F780	4	1889T U/L
	Note: Set includes four pieces, use on No. 4 position. Required with 7M1884 main sets.								
	Cam								
6C8081 Std.	1	55.945/2.2026 55.970/2.2035	60.000/2.3622 60.046/2.3640	1.995/0.0785	.040/.0016 .161/.0063	20.00/0.787	F23	1	8082
	2-6	55.945/2.2026 55.970/2.2035	60.000/2.3622 60.046/2.3640	1.995/0.0785	.040/.0016 .161/.0063	20.00/0.787	F23	5	8081
	Small End								
RB4073 Semi		34.995/1.3778 35.000/1.3780	38.000/1.4961 38.025/1.4970			38.00/1.496	F100	1	RB4073

JAGUAR ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
151 2483cc (2.5)...	Mark I & II (DOHC)		L6	55-69	1
152 (2.5)	Duratec		V6	02-05	2
152 (2.5)	Duratec	D	V6	03-04	2
183 (3.0)	Duratec		V6	05-05	2
183 (3.0)	Duratec	F	V6	00-04	2
210 3442cc (3.4)...			L6	49-67	1
231 3781cc (3.8)...			L6	58-66	1
231 (3.8)			L6	61-64	1
4235cc (4.2).....	DOHC		L6	64-77	3
4235cc (4.2).....	DOHC	2	L6	81-87	3
4235cc (4.2).....	DOHC	3	L6	81-87	3
4235cc (4.2).....	DOHC	N	L6	78-80	3
258 4235cc (4.2)...	DOHC		L6	64-67	3

JAGUAR MODEL INDEX

Model	CID	cc	Liter	Description	Years
2.4	151	2483	2.5	Mark I & II (DOHC)	56-57
3.4	210	3442	3.4		57-60
3.8	231	3781	3.8		60-66
3.8 - S	231	3781	3.8		65-66
340	210	3442	3.4		67
420	258	4235	4.2	DOHC	67
420 - G	258	4235	4.2	DOHC	67
C-TYPE	210	3442	3.4		51-53
D-TYPE	210	3442	3.4		54-56
MARK IX	210	3442	3.4		59-61
MARK VII	210	3442	3.4		51-54
MARK VII - M	210	3442	3.4		55-57
MARK VIII	210	3442	3.4		57-58
MARK X	231	3781	3.8		62-64
	258	4235	4.2	DOHC	64-66
S-TYPE	183		3.0	Duratec	00-05
VANDEN PLAS		4235	4.2	DOHC	82-87
X-TYPE	152		2.5	Duratec	02-05
	183		3.0	Duratec	02-05
XJ		4235	4.2	DOHC	69-71
XJ6		4235	4.2	DOHC	72-87
XJ6 - C		4235	4.2	DOHC	75-77
XJ6 - III		4235	4.2	DOHC	81
XJ6 - L		4235	4.2	DOHC	75-80
XJ6 - SOVEREIGN		4235	4.2	DOHC	85-87
XK120	210	3442	3.4		49-54
XK120 - M	210	3442	3.4		52-54
XK140	210	3442	3.4		55-57
XK140 - M	210	3442	3.4		55-57
XK140 - MC	210	3442	3.4		55-57
XK150	210	3442	3.4		58-61
	231	3781	3.8		58-61
XK150 - S	210	3442	3.4		58-61
	231	3781	3.8		58-61
XKE	231		3.8		61-64
		4235	4.2	DOHC	64-71
	258	4235	4.2	DOHC	65-67
XKSS	210	3442	3.4		57

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE — VIN — CYL — Bore x Stroke — TORQUE SETTINGS (1)

151 2483cc (2.5) Mark I & II (DOHC) — **L6** — **83mm x 76mm** — **Connecting Rod 36-38 ft.lbs/49-52 Nm**, **Main Bearing 83 ft.lbs/113 Nm**

210 3442cc (3.4) — **L6** — **83mm x 106mm**

231 3781cc (3.8) — **L6** — **87mm x 106mm**

231 (3.8) — **L6** — **87mm x 106mm**

Rod

	52.984/2.0860 53.000/2.0866	56.718/2.2330 56.731/2.2335	1.849/0.0728	.020/.0008 .076/.0030	24.76/0.975	F780	12	2991 IH	**6B2991** Std. 10 20 30 40

Main

2,3,5,6	69.850/2.7500 69.863/2.7505	74.079/2.9165 74.092/2.9170	2.095/0.0825	.024/.0009 .076/.0030	25.40/1.000	F780	8	2997 U	**7M2997** Std. 10 20 30
1,4,7	69.850/2.7500 69.863/2.7505	74.079/2.9165 74.092/2.9170	2.090/0.0823	.024/.0009 .076/.0030	38.23/1.505	F780	6	2992 IH	

Thrust

4	74.422/2.9300 74.646/2.9400	91.948/3.6200 92.202/3.6300			2.36/0.093	F1	2	3252T IH	**1T3252** Std. +.005

Cam - includes bearings for both camshafts.

1-8	25.375/0.9990 25.387/0.9995	29.223/1.1505 29.235/1.1510	1.911/0.0752	.014/.0006 .054/.0021	33.45/1.317	F23	8	7696	**8C7696** Std.

Small End - not bored, single pieces.

	22.225/0.8750 22.230/0.8752	25.387/0.9995 25.400/1.0000			27.56/1.085	F100	1	RB875	**RB875** Semi

ENGINE — VIN — CYL — Bore x Stroke — TORQUE SETTINGS (2)

152 (2.5) Duratec — **V6** — **82.3mm x 79.5mm** — **Connecting Rod + 90 degrees** Step 3

152 (2.5) Duratec — **D** — **V6** — **82.3mm x 79.5mm** — **Connecting Rod 17 ft.lbs/23 Nm** Step 1

183 (3.0) Duratec — **V6** — **89mm x 79.5mm** — **Connecting Rod 32 ft.lbs/43 Nm** Step 2

183 (3.0) Duratec — **F** — **V6** — **89mm x 79.5mm** — **Main Bearing** Consult Service Manual

Rod - High Strength Aluminum Silicon material.

	49.972/1.9674 49.990/1.9681	53.015/2.0872 53.035/2.0880	1.501/0.0591	.023/.0009 .077/.0030	18.00/0.709	F810	12	4395A	**6B4395A** Std. .25 .50 .75

JAGUAR

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	Rod - .002" oversize OD version of 6B4395A.								
6B4395AO/S2 .25 .50 .75		49.972/1.9674 49.990/1.9681	53.066/2.0892 53.086/2.0900	1.651/0.0650 (@0.25mm u/s)	.023/.0009 .077/.0030	18.00/0.709	F810	12	9082A IH
	Main - High Strength Aluminum Silicon material.								
4M7262A Std. .25 .50 .75	1,2,3	62.969/2.4791 62.992/2.4800	67.998/2.6771 68.020/2.6779	2.502/0.0985	.020/.0008 .060/.0024	17.90/0.705	F810	6	7262A U/L
	4 (Fl)	62.969/2.4791 62.992/2.4800	67.998/2.6771 68.020/2.6779	2.502/0.0985	.020/.0008 .064/.0025	22.30/0.878	F810	1	7263A U/L
		71.100/2.7992 71.350/2.8090	93.550/3.6831 93.800/3.6929			1.95/0.077			7263T
	Small End - not bored, single pieces.								
RB4114 Semi		21.011/0.8272 21.013/0.8273	24.030/0.9461 24.038/0.9464			21.46/0.845	F100	1	RB4114

3 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
4235cc (4.2) DOHC		**L6**	**92mm x 106mm**	
4235cc (4.2) DOHC	**2**	**L6**	**92mm x 106mm**	**Connecting Rod 36-38 ft.lbs/49-52 Nm**
4235cc (4.2) DOHC	**3**	**L6**	**92mm x 106mm**	**Main Bearing 69-72 ft.lbs/94-98 Nm**
4235cc (4.2) DOHC	**N**	**L6**	**92mm x 106mm**	
258 4235cc (4.2) DOHC		**L6**	**92mm x 106mm**	

	Rod								
6B2991 Std. 10 20 30 40		52.984/2.0860 53.000/2.0866	56.718/2.2330 56.731/2.2335	1.849/0.0728	.020/.0008 .076/.0030	24.76/0.975	F780	12	2991 IH
	Main								
7M2996 Std. 10 20 30	1,7	69.850/2.7500 69.863/2.7505	74.079/2.9165 74.092/2.9170	2.096/0.0825	.024/.0009 .076/.0030	34.93/1.375	F780	4	2996 U/L
	2,3,5,6	69.850/2.7500 69.863/2.7505	74.079/2.9165 74.092/2.9170	2.095/0.0825	.024/.0009 .076/.0030	25.40/1.000	F780	8	2997 U/L
	4	69.850/2.7500 69.863/2.7505	74.079/2.9165 74.092/2.9170	2.096/0.0825	.024/.0009 .076/.0030	28.70/1.130	F780	2	2998 U/L
	Thrust								
1T3252 Std. +.005	4	74.422/2.9300 74.646/2.9400	91.948/3.6200 92.202/3.6300			2.36/0.093	F1	2	3252T IH
	Note : Set includes 2 pieces, use on No. 4 position. Required with 7M2996 set.								
	Cam - includes bearings for both camshafts.								
8C7696 Std.	1-8	25.375/0.9990 25.387/0.9995	29.223/1.1505 29.235/1.1510	1.911/0.0752	.014/.0006 .054/.0021	33.45/1.317	F23	8	7696
	Small End - not bored, single pieces.								
RB875 Semi		22.225/0.8750 22.230/0.8752	25.387/0.9995 25.400/1.0000			27.56/1.085	F100	1	RB875

JEEP ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
134 (2.2)			L4	46-71	1
148 (2.4)	DOHC	1	L4	02-03	2
150 (2.5)			L4	99-99	3
150 (2.5)		E	L4	89-90	3
150 (2.5)		H	L4	86-88	3
150 (2.5)		P	L4	91-02	3
150 (2.5)		U	L4	83-86	3
151 (2.5)	Pontiac Eng.	B	L4	80-83	4
173 (2.8)		W	V6	85-86	5
173 (2.8)	Chevrolet Eng.	W	V6	84-84	5
225 3687cc (3.7)			V6	66-71	6
226 (3.7)		K	V6	02-06	7
232 (3.8)			L6	65-71	8
232 (3.8)		E	L6	72-78	8
242 (4.0)		L	L6	89-90	9
242 (4.0)		M	L6	87-88	9
242 (4.0)		S	L6	91-02	9
258 (4.2)		A	L6	72-78	8
258 (4.2)		C	L6	77-88	8
258 (4.2)		M	L6	88-89	8
258 (4.2)		T	L6	89-90	8
285 (4.7)		N	V8	02-06	10
287 (4.7)		N	V8	99-01	10
304 (5.0)		H	V8	71-81	11
318 (5.2)	Dodge Trk. Eng.	Y	V8	93-98	12
345 (5.7)	Hemi	2	V8	05-06	14
350 (5.7)		9	V8	69-71	13
360 (5.9)		7	V8	89-91	11
360 (5.9)		N	V8	71-88	11
360 (5.9)		P	V8	73-78	11
360 (5.9)	Dodge Trk. Eng.	Z	V8	98-98	12
401 (6.6)		Z	V8	74-78	15

JEEP MODEL INDEX

Model	CID	cc	Liter	Description	Years
CHEROKEE	150		2.5		84-00
	242		4.0		87-01
	258		4.2		74-83
	173		2.8		85-86
	173		2.8	Chevrolet Eng.	84
	360		5.9		74-83
	401		6.6		74-78
CHEROKEE - BRIARWOOD	242		4.0		91-92
CHEROKEE - CHIEF	150		2.5		86-88
	242		4.0		87-88
	173		2.8		86
CHEROKEE - CLASSIC	242		4.0		96
CHEROKEE - COUNTRY	242		4.0		93-97
CHEROKEE - LAREDO	150		2.5		86-89
	242		4.0		87-92
	173		2.8		86
CHEROKEE - LIMITED	242		4.0		87-92
CHEROKEE - PIONEER	150		2.5		86-89
	242		4.0		87-90
	173		2.8		86
CHEROKEE - S	258		4.2		74-76
	360		5.9		74-76
	401		6.6		74-76
CHEROKEE - SE	150		2.5		94-97
	242		4.0		94-97
CHEROKEE - SPORT	242		4.0		90-97
CJ3	134		2.2		59-60
	225	3687	3.7		66
CJ5	134		2.2		59-71
	151		2.5	Pontiac Eng.	80-83
	232		3.8		72-78
	258		4.2		72-83
	225	3687	3.7		66-71
	304		5.0		72-81
CJ6	134		2.2		59-71
	232		3.8		72-75
	258		4.2		72-75
	225	3687	3.7		66-71
	304		5.0		72-75
CJ7	150		2.5		83-86
	151		2.5	Pontiac Eng.	80-83
	232		3.8		76-78
	258		4.2		76-86
	304		5.0		76-81
COMANCHE	150		2.5		87-92
	242		4.0		87-92
COMANCHE - CHIEF	150		2.5		87-88
	242		4.0		87-88
COMANCHE - CUSTOM	150		2.5		86
	173		2.8		86
COMANCHE - ELIMINATOR	242		4.0		88-92
COMANCHE - LAREDO	150		2.5		87-88
COMANCHE - LAREDO	242		4.0		87-88
COMANCHE - PIONEER	150		2.5		87-91
	242		4.0		87-92
COMANCHE - X	150		2.5		86
	173		2.8		86
COMANCHE - XLS	150		2.5		86
	173		2.8		86
COMMANDER	226		3.7		06
	285		4.7		06
COMMANDER - LIMITED	285		4.7		06
	345		5.7	Hemi	06
COMMANDO	225	3687	3.7		66-67
DISPATCHER	134		2.2		61-67
	225	3687	3.7		66-67
DJ3	134		2.2		59-60
DJ5	134		2.2		69-71
	232		3.8		72-74
	258		4.2		73-74
	225	3687	3.7		66-70
	304		5.0		74
DJ6	225	3687	3.7		66-68
F4	134		2.2		57-58
FC150	134		2.2		58-66
	225	3687	3.7		66
FC170	134		2.2		63-66
	225	3687	3.7		66
GLADIATOR	232		3.8		65-67
GRAND CHEROKEE	242		4.0		93-02
	285		4.7		02
	318		5.2	Dodge Trk. Eng.	93
GRAND CHEROKEE - 5.9 LIMITED	360		5.9	Dodge Trk. Eng.	98
GRAND CHEROKEE - LAREDO	242		4.0		93-02
	226		3.7		05-06
	285		4.7		02-06
	287		4.7		99-01
	318		5.2	Dodge Trk. Eng.	93-98
GRAND CHEROKEE - LIMITED	242		4.0		93-02
	285		4.7		02-06
	287		4.7		99-01
	318		5.2	Dodge Trk. Eng.	93-98
	345		5.7	Hemi	05-06
GRAND CHEROKEE - ORVIS	242		4.0		95-97
	318		5.2	Dodge Trk. Eng.	95-97
GRAND CHEROKEE - OVERLAND	345		5.7	Hemi	06
GRAND CHEROKEE - SE	242		4.0		94-95
	318		5.2	Dodge Trk. Eng.	94-95
GRAND CHEROKEE - SPECIAL EDITION	285		4.7		04
GRAND CHEROKEE - TSI	318		5.2	Dodge Trk. Eng.	98

JEEP MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
GRAND WAGONEER	258		4.2		84-86
	318		5.2	Dodge Trk. Eng.	93
	360		5.9		84-91
J-100	232		3.8		65-71
	350		5.7		69-71
J-2500	232		3.8		65-71
	258		4.2		72-73
	304		5.0		72
	350		5.7		69-71
	360		5.9		72-73
J-2600	232		3.8		68-70
	258		4.2		72-73
	304		5.0		72
	350		5.7		69-70
	360		5.9		72-73
J-2700	232		3.8		68-69
	350		5.7		69-70
J-3500	232		3.8		68-70
	350		5.7		69-70
J-3600	232		3.8		68-70
	350		5.7		69-70
J-3700	232		3.8		68-70
	350		5.7		69-70
J-3800	232		3.8		68
	350		5.7		69-70
J10	258		4.2		74-87
	360		5.9		74-88
	401		6.6		74-78
J20	258		4.2		74-76
	360		5.9		74-88
	401		6.6		74-78
JEEPSTER	134		2.2		68-69
	225	3687	3.7		66-69
JEEPSTER - COMMANDO	134		2.2		68-71
	232		3.8		72-73
	258		4.2		72-73
	225	3687	3.7		68-71
	304		5.0		72-73
LIBERTY	148		2.4	DOHC	02-03
LIBERTY - LIMITED	226		3.7		02-06
LIBERTY - RENEGADE	226		3.7		03-06
LIBERTY - SPORT	226		3.7		02-06
SCRAMBLER	150		2.5		83-85
	151		2.5	Pontiac Eng.	81-83
	258		4.2		81-85
UNIVERSAL	134		2.2		61-67
	225	3687	3.7		66-67
UTILITY	134		2.2		61-62
WAGONEER	150		2.5		84-87
	232		3.8		71
	242		4.0		87
	258		4.2		72-83
	173		2.8		85-86
	173		2.8	Chevrolet Eng.	84
	360		5.9		72-83
	401		6.6		74-78
WAGONEER - CUSTOM	258		4.2		73
	360		5.9		73-76
	401		6.6		74-76
WAGONEER - LIMITED	150		2.5		86-87
	242		4.0		87-90
	173		2.8		86
WILLYS - 1-TON	134		2.2		47-55
WILLYS - CJ-2	134		2.2		46-49
WILLYS - CJ-3	134		2.2		49-58
WILLYS - CJ-5	134		2.2		55-58
WILLYS - CJ-6	134		2.2		56-58
WILLYS - DJ-3	134		2.2		56-58
WILLYS - JEEPSTER	134		2.2		49-52
WILLYS - PANEL	134		2.2		46-50
WILLYS - SEDAN DELIVERY	134		2.2		51-55
WRANGLER	150		2.5		87-01
	242		4.0		91-01
	258		4.2		87-90
WRANGLER - ISLANDER	150		2.5		89-91
	242		4.0		91-92
	258		4.2		88-90
WRANGLER - LAREDO	150		2.5		87-88
	258		4.2		87-90
WRANGLER - RENEGADE	242		4.0		91-94
WRANGLER - RIO GRANDE	150		2.5		95
WRANGLER - S	150		2.5		88-94
	242		4.0		92
	258		4.2		88
WRANGLER - SAHARA	150		2.5		88-91
	242		4.0		91-02
	258		4.2		88-90
WRANGLER - SE	148		2.4	DOHC	03
	150		2.5		94-02
	242		4.0		94-95
WRANGLER - SPORT	150		2.5		87-88
	242		4.0		97-02
	258		4.2		87-88
WRANGLER - X	242		4.0		02

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
134 (2.2)			**L4**	**3.125 x 4.375**		**Connecting Rod 35-45 ft.lbs** 3/8" bolts **Connecting Rod 50-55 ft.lbs** 7/16" bolts **Main Bearing 65-75 ft.lbs**			
	Rod								
4B9955 Std. 10 20 30 40		49.213/1.9375 49.238/1.9385	51.897/2.0432 51.918/2.0440	1.328/0.0523	.020/.0008 .075/.0030	27.91/1.099	F23	8	9955 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 1
Main - full groove.									
1 (Fl)	59.261/2.3331 59.286/2.3341	63.475/2.4990 63.500/2.5000	2.086/0.0821	.017/.0007 .084/.0033	48.79/1.921	F820	2	9956AL U/L	**3M9958** Std. 10 20 30 40
2	59.261/2.3331 59.286/2.3341	63.221/2.4890 63.246/2.4900	1.963/0.0773	.009/.0004 .075/.0030	46.17/1.818	F820	2	9957AL U/L	
3	59.261/2.3331 59.286/2.3341	62.967/2.4790 62.992/2.4800	1.836/0.0723	.009/.0004 .075/.0030	44.57/1.755	F820	2	9958AL U/L	
Overflange length increases with undersizes. See dimensional information below.									
Cam									
	55.511/2.1855 55.524/2.1860	58.839/2.3165 58.865/2.3175	1.626/0.0640	.025/.0010 .100/.0039	28.83/1.135	F23	1	J-1-1	**1C069S** Std.

*** DIMENSIONAL INFORMATION FOR 3M9958**

	Overall Width (Nominal)	Increase in Width
.010" u/size shaft	48.89 mm	+0.10 mm
.020" u/size shaft	48.89 mm	+0.10 mm
.030" u/size shaft	48.99 mm	+0.20 mm
.040" u/size shaft	48.99 mm	+0.20 mm

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
148 (2.4) DOHC	**1**	**L4**	**87.5mm x 101mm**	**Connecting Rod 21 ft.lbs/28 Nm + 90 deg turn** **Main Bearing 25 ft.lbs/34 Nm** (M8 Bedplate Bolts) **Main Bearing 30 ft.lbs/41 Nm + 90 deg turn** (M11 Main Cap Bolts)	2

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod									
	50.007/1.9688 50.025/1.9695	52.995/2.0864 53.007/2.0869	1.483/0.0584	.004/.0002 .060/.0024	20.13/0.793	F780	8	4565 IH	**4B4565P** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 4B4565P.									
	50.007/1.9688 50.025/1.9695	53.045/2.0884 53.057/2.0889	1.633/0.0643 (@ 0.25 mm u/s)	.004/.0002 .060/.0024	20.13/0.793	F780	8	9096 IH	**4B4565PO/S2** .25 .50 .75 1.0
Main									
1,2,4,5	59.992/2.3619 60.007/2.3625	64.000/2.5197 64.013/2.5202	1.984/0.0781	.018/.0007 .058/.0023	21.62/0.851	F780	8	7312 IH	**5M7313P** Std. .25 .50 .75
3 (Fl)	59.992/2.3619 60.007/2.3625	64.000/2.5197 64.013/2.5202	1.984/0.0781	.017/.0007 .058/.0023	27.86/1.097	F780	2	7313 U/L	
Overflange length remains constant for standard and undersizes.									
Main - .002" oversize OD version of 5M7313P.									
1,2,4,5	50.992/2.0076 60.007/2.3625	64.051/2.5217 64.063/2.5222	2.134/0.0840 (@ 0.25mm u/s)	.018/.0007 .058/.0023	21.62/0.851	F780	8	9097 IH	**5M7313PO/S2** .25 .50 .75
3 (Fl)	59.992/2.3619 60.007/2.3625	64.051/2.5217 64.063/2.5222	2.134/0.0840 (@ 0.25mm u/s)	.017/.0007 .058/.0023	27.86/1.097	F780	2	9098 U/L	
Overflange length remains constant for standard and undersizes.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
150 (2.5)		**L4**	**3.88 x 3.19**	**Connecting Rod 33 ft.lbs/45 Nm**	3
150 (2.5)	**E**	**L4**	**3.88 x 3.19**	**Main Bearing 80 ft.lbs/108 Nm**	
150 (2.5)	**H**	**L4**	**3.88 x 3.19**		
150 (2.5)	**P**	**L4**	**3.88 x 3.19**		
150 (2.5)	**U**	**L4**	**3.88 x 3.19**		

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod									
	53.208/2.0948 53.226/2.0955	56.083/2.2080 56.096/2.2085	1.425/0.0561	.017/.0006 .074/.0029	21.26/0.837	F780	8	1480 IH	**4B960P** Std. 01 10 20 30 40 50
Main - for 1983-1990 engines only									
1,2,4,5	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	8	8872 U/L	**5M1568P** Std. 10 20 30
3 (Fl)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	32.26/1.270	F780	2	8873 U/L	
Overflange length remains constant for standards and undersizes.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 (Cont'd.)									
	Main - for 1991-02 engines only.								
5M1948P Std. 10 20 30	1,3,4,5	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	4	8874 U
	1,3,4,5	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0009 .091/.0036	25.04/0.986	F780	4	8872 L
	2 (Fl)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0009 .091/.0036	32.26/1.270	F780	1	8875 U
	2 (Fl)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0009 .091/.0036	32.26/1.270	F780	1	8873 L
	Overflange length remains constant for standards and undersizes.								
	Cam								
4C549S Std.	1	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		17.65/0.695	F23	1	N-7-1
	2	51.295/2.0195 51.321/2.0205	54.496/2.1455 54.521/2.1465	1.580/0.0620		17.65/0.695	F23	1	N-7-2
	3	51.041/2.0095 51.067/2.0105	54.242/2.1355 54.267/2.1365	1.580/0.0620		17.65/0.695	F23	1	N-7-3
	4	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		17.65/0.695	F23	1	N-7-4
4 ENGINE **151 (2.5) Pontiac Eng.**		**VIN** **B**	**CYL** **L4**	**Bore x Stroke** **4.00 x 3.00**	**TORQUE SETTINGS** **Connecting Rod 32 ft.lbs/44 Nm** **Main Bearing 70 ft.lbs/95 Nm**				
	Rod								
4B610A Std. 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	8	2226A IH
	Rod - .002" oversize OD version of 4B610A.								
4B610AO/S2 10 20 30 40		50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH
	Main								
5M1733P Std. 01 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Alt set to 5M1733P with +0.010" overflange length increase. * See below for dimensional information.								
5M7152P 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L
	5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.88/1.019	F780	2	7152 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M7152P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.019"	+0.010"
.020" u/s shaft	1.019"	+0.010"
.030" u/s shaft	1.019"	+0.010"
.040" u/s shaft	1.019"	+0.010"

	Cam								
3C1030S Std.	1,2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0644		21.97/0.865	F23	3	CH-5-3

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** | **5**

173 (2.8) | **W** | **V6** | **3.50 x 2.99** | **Connecting Rod 34-40 ft.lbs/47-54 Nm**
173 (2.8) Chevrolet Eng. | **W** | **V6** | **3.50 x 2.99** | **Main Bearing 63-74 ft.lbs/85-101 Nm**
Connecting Rod 34-40 ft.lbs/46-54 Nm
Main Bearing 63-74 ft.lbs/85-100 Nm

Rod

	50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A	**6B1238A** Std. 01 10 20 30 40

Rod - .002" oversize OD version of 6B1238A.

	50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH	**6B1238AO/S2** 10 20 30 40

Main - optional set to 4M1494P with +0.010" overflange increase. *See below for dimensional information.

1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L	**4M1493P** 10 20 30 40
2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L	
3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.18/0.952	F780	2	7129 U/L	
4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 4M1493P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	0.952"	+0.010"
.020" u/s shaft	0.952"	+0.010"
.030" u/s shaft	0.952"	+0.010"
.040" u/s shaft	0.952"	+0.010"

Main - For 1984-85 engines with 63.3 mm small journal design.

1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L	**4M1494P** Std. 10 20 30 40
2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L	
3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	23.93/0.942	F780	2	7119 U/L	
4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L	

Overflange length remains constant for standard and undersizes.

Main - for engines 1985 on with 67.2 mm large journal design. High Strength Aluminum Silicon material.

1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L	**4M2037A** Std. .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L	

Main - optional set to 4M2037P with +0.010" overflange length increase for undersizes. *See below for dimensional information.

1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L	**4M7122P** .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
5 (Cont'd.)									
	Cam								
4C1102S Std.	1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A
	2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2
	4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4
	Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.								
4C1102SW Std.	1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A
	2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A
	4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4

6 ENGINE — **VIN** — **CYL** — **Bore x Stroke** — **TORQUE SETTINGS**

225 3687cc (3.7) — **V6** — **3.75 x 3.40** — **Connecting Rod 30-40 ft.lbs/41-54 Nm**
Main Bearing 95-120 ft.lbs/129-162 Nm

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
	Rod								
6B610A Std. 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	12	2226A IH
	Main - Alt. set to 4M960P with +0.020" overflange length increase for undersizes.* See below for dimensional information.								
4M1688P 10 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.38/1.078	F780	2	9018 U/L

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1688P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.078"	+0.020"
.020" u/s shaft	1.078"	+0.020"
.030" u/s shaft	1.078"	+0.020"

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
	Main - Alt. set to 4M960P with +0.040" overflange length increase for undersizes.* See below for dimensional information.								
4M1690P 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.89/1.098	F780	2	9024 U/L

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 4M1690P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.098"	+0.040"
.030" u/s shaft	1.098"	+0.040"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) **6**
Main - Alt. set to 4M960P with +0.010" overflange length increase for undersizes. *See dimensional information below.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1747P** 10 20 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.13/1.068	F780	2	9020 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 4M1747P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

Main									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M960P** Std. 01 10 20 30 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	26.87/1.058	F780	2	9017 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	44.577/1.7550 44.602/1.7560	47.892/1.8855 47.943/1.8875	1.631/0.0642		19.18/0.755	F23	1	B-6-1	**4C506S** Std.
2	43.815/1.7250 43.840/1.7260	47.130/1.8555 47.181/1.8575	1.631/0.0642		19.18/0.755	F23	1	B-4-3	
3	43.053/1.6950 43.078/1.6960	46.368/1.8255 46.419/1.8275	1.631/0.0642		19.18/0.755	F23	1	B-4-4	
4	42.291/1.6650 42.316/1.6660	45.606/1.7955 45.657/1.7975	1.631/0.0642		19.18/0.755	F23	1	B-4-5	

ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**	**7**
226 (3.7)	**K**	**V6**	**93mm x 90.8mm**	**Connecting Rod 20 ft.lbs + 90 deg**	

Rod - High Strength Aluminum Silicon material.									
	57.897/2.2794 57.904/2.2797	61.194/2.4092 61.206/2.4097	1.641/0.0646	.008/.0003 .043/.0017	16.64/0.655	F810	12	7200A IH	**6B7200A** Std. .25 .50
Rod - .002" oversize back version of 6B7200A.									
	57.897/2.2794 57.904/2.2797	61.244/2.4112 61.256/2.4116	1.791/0.0705 (@ 0.25mm u/size)	.008/.0003 .043/.0017	16.64/0.655	F810	12	9106A IH	**6B7200AO/S2** .25 .50 .75 1.0
Main - High Strength Aluminum Silicon material.									
1-4	63.495/2.4998 63.505/2.5002	68.395/2.6927 68.405/2.6931	2.443/0.0962	.004/.0002 .040/.0016	20.63/0.812	F810	8	7214A U/L	**4M7214A** Std. .25 .50 .75 1.0
Thrust									
3	71.000/2.7953 71.250/2.8051	91.000/3.5827 91.250/3.5925			2.54/0.100	F817	1	7214T	**1T7214** Std.
3	71.000/2.7953 71.250/2.8051	91.000/3.5827 91.250/3.5925			2.54/0.100	F817	1	7215T	
Set includes two pieces, use on No. 3 position. Required with 4M7214A main set.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
8 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
232 (3.8)			**L6**	**3.75 x 3.50**		**Connecting Rod 26-30 ft.lbs/35-41 Nm** (1971-74			
232 (3.8)			**E L6**	**3.75 x 3.50**		engines)			
258 (4.2)			**A L6**	**3.75 x 3.90**		**Connecting Rod 30-35 ft.lbs/41-48 Nm** (1975-90			
258 (4.2)			**C L6**	**3.75 x 3.90**		engines)			
258 (4.2)			**M L6**	**3.75 x 3.90**		**Connecting Rod 46-50 ft.lbs/62-68 Nm** (1965-70			
258 (4.2)			**T L6**	**3.75 x 3.90**		engines)			
						Main Bearing 75-85 ft.lbs/102-115 Nm			
	Rod								
6B960P Std. 01 10 20 30 40		53.208/2.0948 53.226/2.0955	56.083/2.2080 56.096/2.2085	1.425/0.0561	.017/.0006 .074/.0029	21.26/0.837	F780	12	1480 IH
	Main								
7M704P Std. 10 20 30 40	1,2,4,5, 6,7	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	12	8872 U/L
	3 (Fl)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	32.26/1.270	F780	2	8873 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Alt set to 7M704P with +0.010" overflange length increase. * See below for dimensional information.								
7M8879P 10 20 30 40	1,2,4,5, 6,7	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	12	8872 U/L
	3 (Fl)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	32.26/1.280	F780	2	8879 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 7M8879P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.280"	+0.010"
.020" u/s shaft	1.280"	+0.010"
.030" u/s shaft	1.280"	+0.010"
.040" u/s shaft	1.280"	+0.010"

	Cam								
4C549S Std.	1	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		17.65/0.695	F23	1	N-7-1
	2	51.295/2.0195 51.321/2.0205	54.496/2.1455 54.521/2.1465	1.580/0.0620		17.65/0.695	F23	1	N-7-2
	3	51.041/2.0095 51.067/2.0105	54.242/2.1355 54.267/2.1365	1.580/0.0620		17.65/0.695	F23	1	N-7-3
	4	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		17.65/0.695	F23	1	N-7-4
9 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
242 (4.0)			**L L6**	**3.875 x 3.425**		**Connecting Rod 40 ft.lbs/54 Nm** Stage 1			
242 (4.0)			**M L6**	**3.875 x 3.425**		**Connecting Rod 70 ft.lbs/95 Nm** Stage 2			
242 (4.0)			**S L6**	**3.875 x 3.425**		**Connecting Rod 80 ft.lbs/108 Nm** Stage 3			
						Main Bearing 33 ft.lbs/45 Nm			
	Rod								
6B960P Std. 01 10 20 30 40		53.208/2.0948 53.226/2.0955	56.083/2.2080 56.096/2.2085	1.425/0.0561	.017/.0006 .074/.0029	21.26/0.837	F780	12	1480 IH
	Main - for engines 1987-90 only.								
7M704P Std. 10 20 30 40	1,2,4,5, 6,7	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	12	8872 U/L
	3 (Fl)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	32.26/1.270	F780	2	8873 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 9
Main - for engines 1991 on.									
1,2,4-7	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0009 .091/.0036	25.04/0.986	F780	6	8874 U	**7M8874P** Std. 10 20 30
1,2,4-7	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0009 .091/.0036	25.04/0.986	F780	6	8872 L	
3 (FI)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0009 .091/.0036	32.26/1.270	F780	1	8873 L	
3 (FI)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0009 .091/.0036	32.26/1.270	F780	1	8875 U	
Overflange length remains constant for standard and undersizes.									
Main - Alt set to 7M704P with +0.010" overflange length increase. * See below for dimensional information.									
1,2,4,5,6, 7	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	25.04/0.986	F780	12	8872 U/L	**7M8879P** 10 20 30 40
3 (FI)	63.470/2.4988 63.487/2.4995	68.351/2.6910 68.377/2.6920	2.421/0.0953	.022/.0008 .091/.0036	32.26/1.280	F780	2	8879 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 7M8879P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.280"	+0.010"
.020" u/s shaft	1.280"	+0.010"
.030" u/s shaft	1.280"	+0.010"
.040" u/s shaft	1.280"	+0.010"

Cam									
1	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		17.65/0.695	F23	1	N-7-1	**4C549S** Std.
2	51.295/2.0195 51.321/2.0205	54.496/2.1455 54.521/2.1465	1.580/0.0620		17.65/0.695	F23	1	N-7-2	
3	51.041/2.0095 51.067/2.0105	54.242/2.1355 54.267/2.1365	1.580/0.0620		17.65/0.695	F23	1	N-7-3	
4	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		17.65/0.695	F23	1	N-7-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
285 (4.7)	**N**	**V8**	**3.125 x 4.375**	**Connecting Rod 35-45 ft.lbs** 3/8" bolts
287 (4.7)	**N**	**V8**	**3.125 x 4.375**	**Connecting Rod 50-55 ft.lbs** 7/16" bolts **Main Bearing 65-75 ft.lbs**

10

Rod - for engines 2004 on without locating tang.									
	50.996/2.0077 51.003/2.0080	53.992/2.1257 54.005/2.1262	1.491/0.0587	.013/.0005 .043/.0017	16.64/0.655	F810	16	7206A IH	**8B7206A** Std. .25 .50 .75
Rod - .002" oversize back version of 8B7206A.									
	50.996/2.0077 51.003/2.0080	53.992/2.1257 54.005/2.1262	1.641/0.0646 (@ 0.25mm u/size)	.013/.0005 .043/.0017	16.64/0.655	F810	16	9116A IH	**8B7206AO/S2** .25 .50 .75
Rod - for engines 1999-2004 with locating tang.									
	50.996/2.0077 51.003/2.0080	53.992/2.1257 54.005/2.1262	1.491/0.0587	.013/.0005 .043/.0017	16.64/0.655	F810	16	7210A IH	**8B7210A** Std. .25 .50 .75 1.0
Rod - .002" oversize back version of 8B7210A.									
	50.996/2.0077 51.003/2.0080	54.042/2.1276 54.055/2.1281	1.641/0.0646 (@ 0.25mm u/size)	.013/.0005 .043/.0017	16.64/0.655	F810	16	9092A IH	**8B7210AO/S2** .25 .50 .75 1.0
Main									
1-5	63.495/2.4998 63.505/2.5002	68.395/2.6927 68.405/2.6931	2.443/0.0962	.004/.0002 .040/.0016	20.63/0.812	F810	10	7214A U/L	**5M7214A** Std. .25 .50 .75 1.0
Thrust									
3	71.000/2.7953 71.250/2.8051	91.000/3.5827 91.250/3.5925			2.54/0.100	F817	1	7214T	**1T7214** Std.
3	71.000/2.7953 71.250/2.8051	91.000/3.5827 91.250/3.5925			2.54/0.100	F817	1	7215T	
Set contains two pieces, use on No. 3 position. Required with 5M7214A main set.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
11 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
304 (5.0)			**H V8**	**3.75 x 3.44**		**Connecting Rod 27-30 ft.lbs/36-41 Nm** (1971-74 engines)			
360 (5.9)			**7 V8**	**4.08 x 3.44**					
360 (5.9)			**N V8**	**4.08 x 3.44**		**Connecting Rod 30-35 ft.lbs/41-48 Nm** (1975-91 engines)			
360 (5.9)			**P V8**	**4.08 x 3.44**					
						Main Bearing 95-105 ft.lbs/129-142 Nm			
	Rod								
8B960P Std. 01 10 20 30 40		53.208/2.0948 53.226/2.0955	56.083/2.2080 56.096/2.2085	1.425/0.0561	.017/.0007 .074/.0029	21.26/0.837	F780	16	1480 IH
	Main - full groove.								
5M1041P Std. 10 20 30 40	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1482 U
	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1484 L
	3 (FI)	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	32.26/1.270	F780	2	1483 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - full groove. Alt set to 5M1041P, with 0.010" overwidth flange increase for undersizes.* See below for dimensional information.								
5M1485P 10 20 30 40	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1482 U
	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1484 L
	3 (FI)	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	32.51/1.280	F780	2	1485 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M1485P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.280"	+0.010"
.020" u/s shaft	1.280"	+0.010"
.030" u/s shaft	1.280"	+0.010"
.040" u/s shaft	1.280"	+0.010"

	Cam								
5C671S Std.	1	53.835/2.1195 53.861/2.1205	57.036/2.2455 57.061/2.2465	1.580/0.0620		23.50/0.925	F23	1	N-9-1
	2	53.073/2.0895 53.099/2.0905	56.274/2.2155 56.299/2.2165	1.580/0.0620		16.00/0.630	F23	1	N-8-2
	3	52.311/2.0595 52.337/2.0605	55.512/2.1855 55.537/2.1865	1.580/0.0620		16.00/0.630	F23	1	N-8-3
	4	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		16.00/0.630	F23	1	N-8-4
	5	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		16.00/0.630	F23	1	N-8-5
12 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
318 (5.2) Dodge Trk. Eng.			**Y V8**	**3.91 x 3.31**		**Connecting Rod 45-50 ft.lbs/61-68 Nm**			
360 (5.9) Dodge Trk. Eng.			**Z V8**	**4.00 x 3.58**		**Main Bearing 85-90 ft.lbs/115-122 Nm**			
	Rod								
8B481P Std. 01 10 20 30 40		53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.005/.0002 .069/.0027	21.52/0.847	F780	16	2700 IH
	Rod - .002" oversize back version of 8B481P.								
8B481PO/S2 10 20 30 40		53.950/2.1240 53.975/2.1250	57.201/2.2520 57.214/2.2525	1.737/0.0684 (@ .010" u/s)	.006/.0002 .070/.0028	21.52/0.847	F780	16	9090 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 12
Main - for 360 engines only.									
1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	22.28/0.877	F780	6	2705 IH	**5M1266P** Std. 01 10 20 30
3 (FI)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	29.26/1.152	F780	2	2706 U/L	
5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L	
Overflange length remains constant for standard and undersizes.									
Main - for 318 engines only.									
1,2,4	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	22.27/0.877	F780	6	4352 U/L	**5M1344P** Std. 01 10 20 30 40
3 (FI)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.025/.0010 .089/.0035	29.26/1.152	F780	1	2703 U	
3 (FI)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.025/.0010 .089/.0035	29.26/1.152	F780	1	4357 L	
5	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	33.70/1.327	F780	2	4354 U/L	
Overflange length remains constant for standard and undersizes.									
Main - Alt set to 5M1266P with 0.010" overwidth flange increase. * See below for dimensional information.									
1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.558/0.1007 (@ .010" u/s)	.015/.0006 .079/.0031	22.28/0.877	F780	6	2705 IH	**5M2715P** 10 20 30 40
3 (FI)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.558/0.1007 (@ .010" u/s)	.015/.0006 .079/.0031	29.52/1.162	F780	2	2715 U/L	
5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.558/0.1007 (@ .010" u/s)	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M2715P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.162"	+0.010"
.020" u/s shaft	1.162"	+0.010"
.030" u/s shaft	1.162"	+0.010"
.040" u/s shaft	1.162"	+0.010"

Cam									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1	**5C1112S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		16.00/0.630	F23	1	PD-25-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		15.75/0.620	F23	1	PD-25-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		15.75/0.620	F23	1	PD-25-4	
5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
350 (5.7)	**9**	**V8**	**3.80 x 3.85**	**Connecting Rod 35 ft.lbs/48 Nm Main Bearing 95 ft.lbs/129 Nm**	13

Rod - .002" oversize OD version of 8B610A (2 sets required per engine).									
	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH	**4B610AO/S2** 10 20 30 40
Rod - High Strength Aluminum Silicon material.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	16	2226A IH	**8B610A** Std. 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
13 (Cont'd.)									
	Main - half groove, standard oil clearance.								
5M1457P Std. 10 20 30	1,2,4	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.370/0.0935	.020/.0008 .097/.0038	22.10/0.870	F780	6	7134 U/L
	3 (FI)	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.370/0.0935	.020/.0008 .097/.0038	26.87/1.058	F780	2	7135 U/L
	5	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.370/0.0935	.020/.0008 .097/.0038	22.10/0.870	F780	2	7137 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C680S Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1
	2-5	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	4	B-9-2

14 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
345 (5.7) Hemi	**2**	**V8**	**99.5mm x 90.8mm**	**Connecting Rod 15 ft.lbs + 90 deg** **Main Bearing 20 ft.lbs + 90 deg** M12 bolts **Main Bearing 21 ft.lbs** M8 crossbolts

	Rod - High Strength Aluminum Silicon material.								
8B1808A Std. .25 .50		53.993/2.1257 54.008/2.1263	57.206/2.2522 57.219/2.2527	1.590/0.0626	.018/.0007 .062/.0024	20.10/0.791	F810	16	7211A IH
	Rod - .002" oversize OD version of 8B1808A.								
8B1808AO/S2 .25 .50 .75		53.993/2.1257 54.008/2.1263	57.257/2.2542 57.270/2.2547	1.740/0.0685 (@0.25mm u/s)	.018/.0007 .082/.0032	20.10/0.791	F810	16	9112A IH
	Main - High Strength Aluminum Silicon material.								
5M2220A Std. .25 .50	1-5	64.996/2.5589 65.004/2.5592	69.893/2.7517 69.906/2.7522	2.439/0.0960	.010/.0004 .048/.0019	21.60/0.850	F810	10	7216A U/L
	Thrust								
1T611S Std.	3	72.644/2.8600 (ID) 73.152/2.8800	93.370/3.6760 (OD)	2.586/0.1018				2	MB3780W U
	Set includes two pieces, use on No. 3 position. required with 5M2220A main set.								

15 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
401 (6.6)	**Z**	**V8**	**4.165 x 3.680**	**Connecting Rod 35-40 ft.lbs/47-54 Nm** **Main Bearing 95-100 ft.lbs/129-136 Nm**

	Rod								
8B819P Std. 10 20		57.094/2.2478 57.112/2.2485	60.312/2.3745 60.325/2.3750	1.582/0.0623	.048/.0019 .104/.0041	20.45/0.805	F780	16	CB819P IH
	Main - full groove.								
5M1041P Std. 10 20 30 40	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1482 U
	1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1484 L
	3 (FI)	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	32.26/1.270	F780	2	1483 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 15
Main - full groove. Alt set to 5M1041P, with 0.010" overwidth flange increase for undersizes.* See below for dimensional information.									**5M1485P** 10 20 30 40
1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1482 U	
1,2,4,5	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	23.57/0.928	F780	4	1484 L	
3 (FI)	69.804/2.7482 69.822/2.7489	74.701/2.9410 74.727/2.9420	2.433/0.0958	.013/.0005 .084/.0033	32.51/1.280	F780	2	1485 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M1485P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.280"	+0.010"
.020" u/s shaft	1.280"	+0.010"
.030" u/s shaft	1.280"	+0.010"
.040" u/s shaft	1.280"	+0.010"

Cam									
1	53.835/2.1195 53.861/2.1205	57.036/2.2455 57.061/2.2465	1.580/0.0620		23.50/0.925	F23	1	N-9-1	**5C671S** Std.
2	53.073/2.0895 53.099/2.0905	56.274/2.2155 56.299/2.2165	1.580/0.0620		16.00/0.630	F23	1	N-8-2	
3	52.311/2.0595 52.337/2.0605	55.512/2.1855 55.537/2.1865	1.580/0.0620		16.00/0.630	F23	1	N-8-3	
4	51.549/2.0295 51.575/2.0305	54.750/2.1555 54.775/2.1565	1.580/0.0620		16.00/0.630	F23	1	N-8-4	
5	50.787/1.9995 50.813/2.0005	53.988/2.1255 54.013/2.1265	1.580/0.0620		16.00/0.630	F23	1	N-8-5	

KIA ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1493cc (1.5).....	16V DOHC (A5D)		L4	01-02	1
1597cc (1.6).....	SOHC (Mazda B6)	1	L4	94-95	2
1597cc (1.6).....	DOHC (Mazda B6)	3	L4	95-97	2
1597cc (1.6).....	DOHC (Mazda B6)	4	L4	96-97	2
1839cc (1.8).....	DOHC (Mazda BP)	5	L4	95-98	3
1975cc (2.0).....	Hyundai G4GF		L4	04-04	5
1998cc (2.0).....	DOHC	1	L4	95-95	4
1998cc (2.0).....	DOHC	3	L4	95-98	4
1998cc (2.0).....	DOHC (3FE)	3	L4	99-02	4
2351cc (2.4).....	Hyundai G4JS		L4	05-06	6
2351cc (2.4).....	Hyundai G4JS	S	L4	01-04	6

KIA MODEL INDEX

Model	CID	cc	Liter	Description	Years
MAGENTIS		2351	2.4	Hyundai G4JS	01-04
OPTIMA		2351	2.4	Hyundai G4JS	01-04
OPTIMA - EX		2351	2.4	Hyundai G4JS	05-06
OPTIMA - LX		2351	2.4	Hyundai G4JS	05-06
RIO		1493	1.5	16V DOHC (A5D)	01-02
RIO - CINCO		1493	1.5	16V DOHC (A5D)	02
RIO - RX-V		1493	1.5	16V DOHC (A5D)	01-02
SEPHIA - GS		1597	1.6	DOHC (Mazda B6)	95-96
		1597	1.6	SOHC (Mazda B6)	94-95
		1839	1.8	DOHC (Mazda BP)	95-97
SEPHIA - LS		1597	1.6	DOHC (Mazda B6)	95-97
		1597	1.6	SOHC (Mazda B6)	94-95
		1839	1.8	DOHC (Mazda BP)	95-97
SEPHIA - RS		1597	1.6	DOHC (Mazda B6)	95-97
		1597	1.6	SOHC (Mazda B6)	94-95
		1839	1.8	DOHC (Mazda BP)	96-97
SPECTRA - EX		1975	2.0	Hyundai G4GF	04
SPECTRA - LX		1975	2.0	Hyundai G4GF	04
SPORTAGE		1998	2.0	DOHC	95-02
SPORTAGE - 4X2 4-DOOR		1998	2.0	DOHC	95-97

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1493cc (1.5) 16V DOHC (A5D)				**L4**	**75.5mm x 83.4mm**	**Connecting Rod 47-51 ft.lbs/63-69 Nm** **Main Bearing 40-43 ft.lbs/54-58 Nm**			
	Rod - No oil holes in bearing.								
4B8150 Std. .25 .50 .75 1.0		39.939/1.5724 39.954/1.5730	43.000/1.6929 43.019/1.6937	1.515/0.0596	.016/.0006 .076/.0030	17.00/0.669	F780	8	8150 IH
	Main								
5M8353 Std. .25 .50 .75 1.0	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.010/0.0791	.022/.0009 .076/.0030	17.50/0.689	F810	5	8354A U
	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.022/.0009 .076/.0030	17.50/0.689	F810	5	8353A L
	Thrust								
1T8353 Std.	4	57.100/2.2480 (Nominal I.D.)	68.830/2.7098 (Nominal O.D.)			2.55/0.100	F250	2	8353T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M8353 main set.								
2 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1597cc (1.6) SOHC (Mazda B6)			**1**	**L4**	**78mm x 84mm**	**Connecting Rod 35-38 ft.lbs/47-52 Nm** (SOHC)			
1597cc (1.6) DOHC (Mazda B6)			**3**	**L4**	**78mm x 84mm**	**Connecting Rod 37-40 ft.lbs/50-54 Nm** (DOHC)			
1597cc (1.6) DOHC (Mazda B6)			**4**	**L4**	**78mm x 84mm**	**Main Bearing 40-43 ft.lbs/54-58 Nm** (All engines)			
	Rod								
4B8351 Std. .25 .50 .75 1.0		44.940/1.7693 44.956/1.7699	47.996/1.8896 48.016/1.8904	1.510/0.0594	.020/.0008 .071/.0028	17.00/0.669	F810	8	8351A IH
	Main								
5M8353 Std. .25 .50 .75 1.0	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.010/0.0791	.022/.0009 .076/.0030	17.50/0.689	F810	5	8354A U
	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.022/.0009 .076/.0030	17.50/0.689	F810	5	8353A L
	Thrust								
1T8353 Std.	4	57.100/2.2480 (Nominal I.D.)	68.830/2.7098 (Nominal O.D.)			2.55/0.100	F250	2	8353T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M8353 main set.								
	Small End - for 1.6L DOHC engines only.								
RB4108 Semi		19.993/0.7871 (Nominal)	23.000/0.9055 (Nominal)			21.80/0.858	F100	1	RB4108

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**3**
1839cc (1.8) DOHC (Mazda BP)			**5**	**L4**	**83mm x 85mm**	**Connecting Rod 37-40 ft.lbs/50-54 Nm** **Main Bearing 40-43 ft.lbs/54-58 Nm**			
Rod									
	44.940/1.7693 44.956/1.7699	47.996/1.8896 48.016/1.8904	1.510/0.0594	.020/.0008 .071/.0028	17.00/0.669	F810	8	8351A IH	**4B8351** Std. .25 .50 .75 1.0
Main									
1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.010/0.0791	.022/.0009 .076/.0030	17.50/0.689	F810	5	8354A U	**5M8353** Std. .25 .50 .75 1.0
1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.022/.0009 .076/.0030	17.50/0.689	F810	5	8353A L	
Thrust									
4	57.100/2.2480 (Nominal I.D.)	68.830/2.7098 (Nominal O.D.)			2.55/0.100	F250	2	8353T IH	**1T8353** Std.
Note: Set includes two pieces, use on No. 4 position. Required with 5M8353 main set.									
Small End									
	19.993/0.7871 (Nominal)	23.000/0.9055 (Nominal)			21.80/0.858	F100	1	RB4108	**RB4108** Semi
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**4**
1998cc (2.0) DOHC **1998cc (2.0) DOHC** **1998cc (2.0) DOHC (3FE)**			**1** **3** **3**	**L4** **L4** **L4**	**86mm x 86mm** **86mm x 86mm** **86mm x 86mm**	**Connecting Rod 37-41 ft.lbs/50-55 Nm** **Main Bearing 61-68 ft.lbs/82-92 Nm**			
Rod									
	50.940/2.0055 50.955/2.0061	54.002/2.1261 54.027/2.1270	1.510/0.0594		21.13/0.832	F780	8	8140 IH	**4B8140** Std. .25 .50 .75 1.0
Main									
1-5	59.940/2.3598 59.955/2.3604	64.000/2.5197 64.019/2.5204	2.014/0.0793	.017/.0007 .071/.0028	19.13/0.753	F810	5	8133A L	**5M8142** Std. .25 .50 .75
1-5	59.940/2.3598 59.955/2.3604	64.000/2.5197 64.019/2.5204	2.014/0.0793	.017/.0007 .071/.0028	19.13/0.753	F810	5	8134A U	
Check for availability.									
Thrust									
3	68.800/2.7087 (Nominal I.D.)	84.250/3.3169 (Nominal O.D.)			2.05/0.081	F250	4	2134T U/L	**2T2134** Std.
Note : Set includes four pieces. Required with 5M8142 main set.									
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**5**
1975cc (2.0) Hyundai G4GF				**L4**	**82mm x 93.5mm**	**Connecting Rod 37-39 ft.lbs/50-53 Nm** (Tighten evenly in two or three steps) **Main Bearing 20-24 ft.lbs/27-33 Nm + 60 deg turn**			
Rod									
	44.975/1.7707 44.990/1.7713	48.003/1.8899 48.016/1.8904	1.498/0.0590	.017/.0007 .061/.0024	21.00/0.827	F780	8	1206 IH	**4B1206** Std. .25 .50 .75 1.0
Main									
1,2,4,5	56.977/2.2432 56.992/2.2438	61.000/2.4016 61.020/2.4024	1.994/0.0785	.020/.0008 .071/.0028	21.00/0.827	F780	8	1204 U/L	**5M1204** Std. .25 .50
3	56.977/2.2432 56.992/2.2438	61.000/2.4016 61.020/2.4024	1.994/0.0785	.020/.0008 .071/.0028	21.00/0.827	F780	2	1205 IH	
Thrust									
	63.000/2.4803 63.250/2.4902	84.500/3.3268 84.750/3.3366			2.47/0.097	F817	2	1204T IH	**1T1204** Std.
Set includes 2 pieces. Required with 5M1204 main set.									

KIA

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
6 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
2351cc (2.4) Hyundai G4JS			**L4**	**86.5mm x 100mm**		**Connecting Rod 13-16 ft.lbs + 90 deg**			
2351cc (2.4) Hyundai G4JS			**S L4**	**86.5mm x 100mm**		**Main Bearing 18 ft.lbs + 90 deg**			
	Rod								
4B1185 Std. .25 .50 .75 1.0		44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.493/0.0588	.016/.0006 .078/.0031	21.10/0.831	F810	8	1185A IH
	Main								
5M1219 Std. .25 .50 .75 1.0	1-5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	10	1186A U/L
	Thrust								
1T1219 Std.		63.100/2.4842 63.350/2.4941 (I.D.)	80.500/3.1693 80.750/3.1791 (O.D.)			2.11/0.083	F250	2	1219T IH

LEXUS ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
2508cc (2.5).....	(2VZFE)	V	V6	90-91	1
2959cc (3.0).....	(1MZFE)	F	V6	96-98	3
2959cc (3.0).....	(3VZFE)	V	V6	92-93	2
2995cc (3.0).....	(1MZFE)		V6	99-03	3
2995cc (3.0).....	(1MZFE)	F	V6	99-99	3
2995cc (3.0).....	(1MZFE)	G	V6	94-95	3
2997cc (3.0).....	(2JZGE)		L6	99-05	4
2997cc (3.0).....	(2JZGE)	D	L6	96-98	4
2997cc (3.0).....	(2JZGE)	J	L6	92-95	4
3967cc (4.0).....	(1UZFE)	U	V8	90-95	5
3969cc (4.0).....	(1UZFE)		V8	99-00	5
3969cc (4.0).....	(1UZFE)	H	V8	96-98	5
4293cc (4.3).....	(3UZFE)		V8	01-06	7
4477cc (4.5).....	(1FZFE)	J	L6	96-97	6
285 4663cc (4.7)...	(2UZFE)		V8	98-06	5

LEXUS MODEL INDEX

Model	CID	cc	Liter	Description	Years
ES250		2508	2.5		90-91
ES300		2959	3.0		92-98
		2995	3.0		94-03
GS300		2997	3.0		93-05
GS400		3969	4.0		98-00
GS430		4293	4.3		01-06
GX470	285	4663	4.7		03-06
IS300		2997	3.0		01-05
IS300 - SPORTCROSS		2997	3.0		02-04
LS400		3967	4.0		90-95
LS400		3969	4.0		96-00
LS430		4293	4.3		01-06
LX450		4477	4.5		96-97
LX470	285	4663	4.7		98-06
RX300		2995	3.0		99-03
SC300		2997	3.0		92-00
SC400		3967	4.0		92-95
		3969	4.0		96-00
SC430		4293	4.3		02-06

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**1**
2508cc (2.5) (2VZFE)			**V**	**V6**	**87.5mm x 69.5mm**	**Connecting Rod 18ft.lbs + 90 deg turn Main Bearing 45ft.lbs + 90 deg turn**			
Rod									
	47.986/1.8892 48.000/1.8898	51.000/2.0079 51.024/2.0088	1.488/0.0586	.024/.0009 .089/.0035	17.00/0.669	F780	12	8040 IH	**6B8040** Std. .25 .50
Main									
2,3,4	63.985/2.5191 64.000/2.5197	68.010/2.6776 68.028/2.6783	1.990/0.0783	.030/.0012 .089/.0035	20.00/0.787	F810	6	8063A U/L	**4M8063A** Std. .25 .50 .75 1.0
1	63.985/2.5191 64.000/2.5197	68.010/2.6776 68.028/2.6783	1.990/0.0783	.030/.0012 .089/.0035	22.00/0.866	F810	2	8064A U/L	
Thrust									
2	71.250/2.8051 71.500/2.8150	86.250/3.3957 86.500/3.4055			2.49/0.098	F817	4	8063T U/L	**2T8063** Std. +.25
Note: Set includes four pieces, use on No.2 position. Required with 4M8063 main set.									
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**2**
2959cc (3.0) (3VZFE)			**V**	**V6**	**87.5mm x 82mm**	**Connecting Rod 18ft.lbs + 90 deg turn Main Bearing 45ft.lbs + 90 deg turn**			
Rod									
	54.987/2.1649 55.000/2.1654	58.000/2.2835 58.024/2.2844	1.488/0.0586	.024/.0009 .087/.0034	17.00/0.669	F780	12	8061 IH	**6B8061** Std. .25 .50 .75 1.0
Main									
2,3,4	63.985/2.5191 64.000/2.5197	68.010/2.6776 68.028/2.6783	1.990/0.0783	.030/.0012 .089/.0035	20.00/0.787	F810	6	8063A U/L	**4M8063A** Std. .25 .50 .75 1.0
1	63.985/2.5191 64.000/2.5197	68.010/2.6776 68.028/2.6783	1.990/0.0783	.030/.0012 .089/.0035	22.00/0.866	F810	2	8064A U/L	
Thrust									
2	71.250/2.8051 71.500/2.8150	86.250/3.3957 86.500/3.4055			2.49/0.098	F817	4	8063T U/L	**2T8063** Std. +.25
Note: Set includes four pieces. Required with 4M8063 main set.									

LEXUS

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
2959cc (3.0) (1MZFE)			**F V6**	**87.5mm x 83mm**		**Connecting Rod 18ft.lbs + 90 deg turn**			
2995cc (3.0) (1MZFE)			**V6**	**87.5mm x 83mm**		**Main Bearing** Consult Service Manual			
2995cc (3.0) (1MZFE)			**F V6**	**87.5mm x 83mm**					
2995cc (3.0) (1MZFE)			**G V6**	**87.5mm x 83mm**					
	Rod								
6B8381 Std. .25 .50 .75 1.0		52.992/2.0863 53.000/2.0866	56.000/2.2047 56.020/2.2055	1.484/0.0584	.032/.0013 .080/.0031	16.00/0.630	F780	12	8381 IH
	Main								
4M8379 Std. .25 .50 .75	2,3	60.988/2.4011 61.000/2.4016	66.000/2.5984 66.020/2.5992	2.486/0.0979	.028/.0011 .080/.0031	19.00/0.748	F780	4	8379 U/L
	1,4	60.988/2.4011 61.000/2.4016	66.000/2.5984 66.020/2.5992	2.486/0.0979	.028/.0011 .080/.0031	22.50/0.886	F780	4	8383 U/L
	Thrust								
2T8379 Std.		68.200/2.6850 68.450/2.6949	83.950/3.3051 83.700/3.2953			1.98/0.078	F817	4	8379T U/L
	Note: Set includes four pieces. Required with 4M8379 main set.								
4 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
2997cc (3.0) (2JZGE)			**L6**	**86.1mm x 86.1mm**		**Connecting Rod 22 ft.lbs + 90 deg turn**			
2997cc (3.0) (2JZGE)			**D L6**	**86.1mm x 86.1mm**		**Main Bearing 33 ft.lbs + 90 deg**			
2997cc (3.0) (2JZGE)			**J L6**	**86.1mm x 86.1mm**					
	Rod								
6B8100 Std. .25		51.982/2.0465 52.000/2.0472	55.024/2.1663 55.042/2.1670	1.511/0.0595	.002/.0001 .065/.0026	19.30/0.760	F780	12	8100 IH
	Rod - Race Series.								
6B8100H Std. .025 .25		51.981/2.0465 52.000/2.0472	55.024/2.1663 55.042/2.1670	1.506/0.0593	.012/.0005 .065/.0026	19.30/0.760	F781	12	8100H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
6B8100HX Std.		51.981/2.0465 52.000/2.0472	55.024/2.1663 55.042/2.1670	1.493/0.0588	.037/.0015 .091/.0036	19.30/0.760	F781	12	8100HX IH
	Main								
7M8103 Std. .25	2-7	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	2.009/0.0791	.004/.0002 .059/.0023	20.00/0.787	F780	12	8103 U/L
	1	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	2.009/0.0791	.004/.0002 .059/.0023	23.00/0.906	F780	2	8104 U/L
	Main - Race Series.								
7M8103H Std. .025 .25	2-7	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	2.004/0.0789	.011/.0004 .059/.0023	20.00/0.787	F780	12	8103H U/L
	1	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	2.004/0.0789	.011/.0004 .059/.0023	23.00/0.906	F780	2	8104H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
7M8103HX Std.	2-7	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	1.991/0.0784	.036/.0014 .084/.0033	20.00/0.787	F780	12	8103HX U/L
	1	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	1.991/0.0784	.036/.0014 .084/.0033	23.00/0.906	F780	2	8104HX U/L
	Thrust								
2T8103 Std.	3	67.350/2.6516 67.600/2.6614	81.350/3.2027 81.600/3.2126			1.97/0.078	F817	4	8103T U/L
	Note : Set includes four pieces, use on No.3 position. Required with 7M8103/H/HX main set.								
5 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
3967cc (4.0) (1UZFE)			**U V8**	**87.5mm x 82.5mm**		**Connecting Rod 18 ft.lbs + 90 deg turn**			
3969cc (4.0) (1UZFE)			**V8**	**87.5mm x 82.5mm**		**Main Bearing 20 ft.lbs + 90 deg** (1UZFE - Nuts &			
3969cc (4.0) (1UZFE)			**H V8**	**87.5mm x 82.5mm**		2UZFE)			
285 4663cc (4.7) (2UZFE)			**V8**	**94mm x 84.7mm**		**Main Bearing 36 ft.lbs** (1UZFE Bolts only)			
	Rod								
8B8091 Std. .25 .50		51.981/2.0465 52.000/2.0472	55.000/2.1654 55.024/2.1663	1.496/0.0589	.010/.0004 .077/.0030	19.50/0.768	F780	16	8091 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 5
Rod - Race Series.									
	51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.496/0.0589	.010/.0004 .067/.0026	19.50/0.768	F781	16	8091H IH	**8B8091H** Std. .025 .25 .50
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.									
	51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.483/0.0584	.035/.0014 .092/.0036	19.50/0.768	F781	16	8091HX IH	**8B8091HX** Std.
Main									
1,5	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.496/0.0983	.007/.0003 .061/.0024	22.50/0.886	F780	4	8092 U/L	**5M8092** Std. .25 .50
2,3,4	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.496/0.0983	.007/.0003 .061/.0024	19.50/0.768	F780	6	8093 U/L	
Main - Race Series.									
1,5	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.491/0.0981	.017/.0007 .061/.0024	22.50/0.886	F780	4	8092H U/L	**5M8092H** Std. .025 .25 .50
2,3,4	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.491/0.0981	.017/.0007 .061/.0024	19.50/0.768	F780	6	8093H U/L	
Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.									
1,5	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.478/0.0976	.042/.0017 .086/.0034	22.50/0.886	F780	4	8092HX U/L	**5M8092HX** Std.
2,3,4	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.478/0.0976	.042/.0017 .086/.0034	19.50/0.768	F780	6	8093HX U/L	
Thrust									
3	73.408/2.8901 (Nominal I.D.)	89.311/3.5162 (Nominal O.D.)				F817	4	8092T U/L	**2T8092** Std.
Note : Set includes four pieces, use on No.3 position. Required with 5M8092/H/HX main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**6**
4477cc (4.5) (1FZFE)		**J**	**L6**	**100mm x 95mm**	**Connecting Rod 35 ft.lbs + 90 deg turn** **Main Bearing 54 ft.lbs + 90 deg turn** Consult Service Manual				
Rod									
	56.980/2.2433 57.000/2.2441	60.520/2.3826 60.540/2.3835	1.745/0.0687	.030/.0011 .096/.0038	21.40/0.843	F780	12	7990 IH	**6B7990** Std. .25 .50 .75 1.0
Main									
1-7	68.980/2.7157 69.000/2.7165	74.020/2.9142 74.040/2.9150	2.492/0.0981	.036/.0014 .102/.0040	23.40/0.921	F780	14	7989 U/L	**7M7989** Std. .25 .50
Thrust									
4	75.250/2.9626 75.500/2.9724	93.500/3.6811 93.750/3.6909			2.49/0.098	F817	4	7989T	**2T7989** Std.
Note : Set includes four pieces, use on No.4 position. Required with 7M7989 main set.									
Small End - Bush - not bored, single pieces.									
		28.010/1.1028 28.030/1.1035			28.00/1.102	F100	1	RB4098	**RB4098** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**7**
4293cc (4.3) (3UZFE)			**V8**	**91mm x 82.5mm**					
Rod									
	51.981/2.0465 52.000/2.0472	55.000/2.1654 55.024/2.1663	1.496/0.0589	.010/.0004 .077/.0030	19.50/0.768	F780	16	8091 IH	**8B8091** Std. .25 .50
Rod - Race Series.									
	51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.496/0.0589	.010/.0004 .067/.0026	19.50/0.768	F781	16	8091H IH	**8B8091H** Std. .025 .25 .50
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.									
	51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.483/0.0584	.035/.0014 .092/.0036	19.50/0.768	F781	16	8091HX IH	**8B8091HX** Std.

LEXUS PERFORMANCE

LEXUS PERFORMANCE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line	Engine Disp.	Notation	VIN	Cyl.	Year	Line
2997cc (3.0).....	(2JZGE)		L6	92-05	1	4293cc (4.3).....	(3UZFE)		V8	01-06	3
3967cc (4.0).....	(1UZFE)		V8	90-00	2	4663cc (4.7).....	(2UZFE)		V8	98-06	2

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
2997cc (3.0) (2JZGE)				**L6**	**86.1mm x 86.1mm**	**Connecting Rod 22 ft.lbs + 90 deg turn** **Main Bearing 33 ft.lbs + 90 deg**			
	Rod - Race Series.								
6B8100H Std. .025 .25		51.981/2.0465 52.000/2.0472	55.024/2.1663 55.042/2.1670	1.506/0.0593	.012/.0005 .065/.0026	19.30/0.760	F781	12	8100H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
6B8100HX Std.		51.981/2.0465 52.000/2.0472	55.024/2.1663 55.042/2.1670	1.493/0.0588	.037/.0015 .091/.0036	19.30/0.760	F781	12	8100HX IH
	Main - Race Series.								
7M8103H Std. .025 .25	2-7	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	2.004/0.0789	.011/.0004 .059/.0023	20.00/0.787	F780	12	8103H U/L
	1	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	2.004/0.0789	.011/.0004 .059/.0023	23.00/0.906	F780	2	8104H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
7M8103HX Std.	2-7	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	1.991/0.0784	.036/.0014 .084/.0033	20.00/0.787	F780	12	8103HX U/L
	1	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	1.991/0.0784	.036/.0014 .084/.0033	23.00/0.906	F780	2	8104HX U/L
	Thrust								
2T8103 Std.	3	67.350/2.6516 67.600/2.6614	81.350/3.2027 81.600/3.2126			1.97/0.078	F817	4	8103T U/L
	Note : Set includes four pieces, use on No.3 position. Required with 7M8103H/HX main set.								
2 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
3967cc (4.0) (1UZFE)				**V8**	**87.5mm x 82.5mm**	**Connecting Rod 18 ft.lbs + 90 deg turn**			
4663cc (4.7) (2UZFE)				**V8**	**87.5mm x 82.5mm**	**Main Bearing 20 ft.lbs + 90 deg** (1UZFE - Nuts & 2UZFE) **Main Bearing 36 ft.lbs** (1UZFE Bolts only)			
	Rod - Race Series.								
8B8091H Std. .025 .25 .50		51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.496/0.0589	.010/.0004 .067/.0026	19.50/0.768	F781	16	8091H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
8B8091HX Std.		51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.483/0.0584	.035/.0014 .092/.0036	19.50/0.768	F781	16	8091HX IH
	Main - Race Series.								
5M8092H Std. .025 .25 .50	1,5	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.491/0.0981	.017/.0007 .061/.0024	22.50/0.886	F780	4	8092H U/L
	2,3,4	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.491/0.0981	.017/.0007 .061/.0024	19.50/0.768	F780	6	8093H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
5M8092HX Std.	1,5	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.478/0.0976	.042/.0017 .086/.0034	22.50/0.886	F780	4	8092HX U/L
	2,3,4	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.478/0.0976	.042/.0017 .086/.0034	19.50/0.768	F780	6	8093HX U/L
	Thrust								
2T8092 Std.	3	73.408/2.8901 (Nominal I.D.)	89.311/3.5162 (Nominal O.D.)				F817	4	8092T U/L
	Note : Set includes four pieces, use on No.3 position. Required with 5M8092H/HX main set.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**3**
4293cc (4.3) (3UZFE)			**V8**	**91mm x 82.5mm**					
Rod - Race Series.									
	51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.496/0.0589	.010/.0004 .067/.0026	19.50/0.768	F781	16	8091H IH	**8B8091H** Std. .025 .25 .50
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.									
	51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.483/0.0584	.035/.0014 .092/.0036	19.50/0.768	F781	16	8091HX IH	**8B8091HX** Std.

LINCOLN

LINCOLN ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
182 (3.0)	Duratec	S	V6	00-05	1
232 (3.8)	OHV	3	V6	82-82	2
232 (3.8)	OHV	4	V6	88-94	2
281 (4.6)	DOHC	H	V8	03-04	4
281 (4.6)	DOHC	V	V8	93-02	4
281 (4.6)	SOHC	W	V8	91-04	3
302 (5.0)		E	V8	88-92	5
302 (5.0)		F	V8	77-90	5
302 (5.0)		M	V8	85-87	5
330 (5.4)	SOHC	A	V8	99-02	6
330 (5.4)	SOHC	L	V8	98-99	6
330 (5.4)	SOHC	R	V8	02-04	6
351 (5.8)	Windsor	G	V8	80-80	7
351 (5.8)	Windsor	H	V8	77-77	7
400 (6.6)		S	V8	77-79	8
429 (7.0)		N	V8	68-68	9
460 (7.5)		A	V8	68-78	9

LINCOLN MODEL INDEX

Model	CID	cc	Liter	Description	Years
AVIATOR	281		4.6	DOHC	03-04
BLACKWOOD	330		5.4	SOHC	02
CONTINENTAL	232		3.8	OHV	82-90
	281		4.6	DOHC	95-02
	302		5.0		80-87
	351		5.8	Windsor	80
	400		6.6		77-79
	429		7.0		68
	460		7.5		68-78
CONTINENTAL - ANNIVERSARY	281		4.6	DOHC	96
CONTINENTAL - EXECUTIVE	232		3.8	OHV	91-94
CONTINENTAL - GIVENCHY	302		5.0		87
CONTINENTAL - SIGNATURE	232		3.8	OHV	88-94
CONTINENTAL - SPINMAKER EDITION	281		4.6	DOHC	96
CONTINENTAL - TOWN CAR	302		5.0		81
LS	182		3.0	Duratec	00-05
MARK III	460		7.5		68-71
MARK IV	460		7.5		72-76
MARK V	400		6.6		77-79
	460		7.5		77-78
MARK VI	302		5.0		80-83
	351		5.8	Windsor	80
MARK VII	302		5.0		84-87
MARK VII - BILL BLASS	302		5.0		87-92
MARK VII - LSC	302		5.0		87-92
MARK VIII	281		4.6	DOHC	93-98
MARK VIII - LSC	281		4.6	DOHC	95-98
NAVIGATOR	330		5.4	SOHC	98-04
TOWN CAR	281		4.6	SOHC	99-00
	302		5.0		82-90
TOWN CAR - ANNIVERSARY	281		4.6	SOHC	96
TOWN CAR - CARTIER	281		4.6	SOHC	91-03
	302		5.0		87-90
TOWN CAR - EXECUTIVE	281		4.6	SOHC	91-04
TOWN CAR - JACK NICKLAUS	281		4.6	SOHC	93
TOWN CAR - SIGNATURE	281		4.6	SOHC	91-04
	302		5.0		87-90
TOWN CAR - SIGNATURE SE	302		5.0		89
TOWN CAR - TOURING EDITION	281		4.6	SOHC	97
TOWN CAR - TOURNAMENT EDITION	281		4.6	SOHC	94
TOWN CAR - ULTIMATE	281		4.6	SOHC	04
VERSAILLES	302		5.0		77-80
	351		5.8	Windsor	77

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
182 (3.0) Duratec		**S**	**V6**	**89mm x 79.5mm**	**Connecting Rod + 90 degrees** Step 3 **Connecting Rod 17 ft.lbs/23 Nm** Step 1 **Connecting Rod 32 ft.lbs/43 Nm** Step 2 **Main Bearing** Consult Service Manual				
	Rod - High Strength Aluminum Silicon material.								
6B4395A Std. .25 .50 .75		49.972/1.9674 49.990/1.9681	53.015/2.0872 53.035/2.0880	1.501/0.0591	.023/.0009 .077/.0030	18.00/0.709	F810	12	4395A
	Rod - .002" oversize OD version of 6B4395A.								
6B4395AO/S2 .25 .50 .75		49.972/1.9674 49.990/1.9681	53.066/2.0892 53.086/2.0900	1.651/0.0650 (@0.25mm u/s)	.023/.0009 .077/.0030	18.00/0.709	F810	12	9082A IH
	Main - High Strength Aluminum Silicon material.								
4M7262A Std. .25 .50 .75	1,2,3	62.969/2.4791 62.992/2.4800	67.998/2.6771 68.020/2.6779	2.502/0.0985	.020/.0008 .060/.0024	17.90/0.705	F810	6	7262A U/L
	4 (FI)	62.969/2.4791 62.992/2.4800	67.998/2.6771 68.020/2.6779	2.502/0.0985	.020/.0008 .064/.0025	22.30/0.878	F810	1	7263A U/L
		71.100/2.7992 71.350/2.8090	93.550/3.6831 93.800/3.6929			1.95/0.077			7263T
	Small End - not bored, single pieces.								
RB4114 Semi		21.011/0.8272 21.013/0.8273	24.030/0.9461 24.038/0.9464			21.46/0.845	F100	1	RB4114

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
232 (3.8) OHV		**3**	**V6**	**97mm x 86mm**	**Connecting Rod 31-36 ft.lbs/42-48 Nm**				
232 (3.8) OHV		**4**	**V6**	**97mm x 86mm**	**Main Bearing 65-81 ft.lbs/88-110 Nm**				
Rod									
	58.674/2.3100 58.699/2.3110	61.636/2.4266 61.656/2.4274	1.462/0.0576	.013/.0005 .084/.0033	17.06/0.672	F780	12	5200 IH	**6B1283P** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 6B1283P.									
	58.674/2.3100 58.699/2.3110	61.687/2.4286 61.707/2.4294	1.614/0.0635 (@ 0.25 mm u/s)	.014/.0006 .085/.0033	17.06/0.672	F780	12	9055 IH	**6B1283PO/S2** .25 .50 .75
Main - engines 1982 & 1988.									
1,3,4	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	21.66/0.853	F780	6	5202 U/L	**4M1561P** Std. .25 .50 .75 1.0
2 (FI)	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	29.62/1.166	F780	2	5203 U/L	
To be superceded by 4M7295A when stock exhausted.									
Main - engines 1989-94 only.									
1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	21.79/0.858	F780	6	5238 U/L	**4M1812P** Std. .25 .50 .75 1.0
3 (FI)	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	29.62/1.166	F780	2	5239 U/L	
To be superceded by 4M7295A when stock exhausted.									
Main - engines 1982 & 1988 - Optional set to 4M1561P with +0.004" overflange length increase. *See dimensional infromation below.									
1,3,4	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	21.66/0.853	F780	6	5202 U/L	**4M5205P** .25 .50 .75
3 (FI)	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	29.72/1.170	F780	2	5205 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 4M5205P**		
	Overall Width (Nominal)	**Increase in Width**
0.25 mm u/s shaft	1.170"	+0.004"
0.50 mm u/s shaft	1.170"	+0.004"
0.75 mm u/s shaft	1.170"	+0.004"

Main - engines 1982 & 1988 - Optional set to 4M1561P with +0.010" overflange length increase. *See dimensional infromation below.									
1,3,4	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	21.66/0.853	F780	6	5202 U/L	**4M5208P** .25 .50 .75
3 (FI)	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .058/.0023	29.87/1.176	F780	2	5208 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 4M5208P**		
	Overall Width (Nominal)	**Increase in Width**
0.25 mm u/s shaft	1.176"	+0.010"
0.50 mm u/s shaft	1.176"	+0.010"
0.75 mm u/s shaft	1.176"	+0.010"

Main - for engines 1982 on - High Strength Aluminum Silicon material.									
1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	23.50/0.925	F810	3	7294WA U	**4M7295A** Std. .25 .50 .75
1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	21.79/0.858	F810	3	7294A L	
3 (FI)	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.438/0.0960	.013/.0005 .058/.0023	29.62/1.166	F810	2	7295A U/L	
Cam - 1982 engines.									
1,4	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.690/2.1925	1.763/0.0694		16.26/0.640	F23	2	F-45-1	**4C1197S** Std.
2,3	52.083/2.0505 52.108/2.0515	55.283/2.1765 55.308/2.1775	1.570/0.0619		14.22/0.560	F23	2	F-45-2	

LINCOLN

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	Cam - 1988-94 engines.								
4C1447S Std.	1,4	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.687/2.1924	1.763/0.0694	.025/.0010 .076/.0030	16.26/0.640	F23	2	F-52-1
	2,3	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.687/2.1924	1.570/0.0619	.025/.0010 .076/.0030	14.22/0.560	F23	2	F-51-2
	Balance Shaft - 1988-94 engines.								
2BS1445S Std.	Front & Rear	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.690/2.1925	1.763/0.0694	.076/.0030	16.26/0.640	F23	2	AGB-51-1
3 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**					
281 (4.6) SOHC	**W**	**V8**	**3.550 x 3.542**	**Connecting Rod 23 ft.lbs/31 Nm + 90 deg Main Bearing 24 ft.lbs/33 Nm + 90 deg**					
	Rod - High Strength Aluminum Silicon material.								
8B1442A Std. .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F810	16	5636A IH
	Rod - .002" oversize back version of 8B1442A.								
8B1442AO/S2 .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F810	16	9080A IH
	Rod - To be superceded by 8B1442A when stock exhausted.								
8B1442P Std. .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F780	16	5636 IH
	Rod - To be superceded by 8B1442AO/S2 when stock exhausted.								
8B1442PO/S2 .25 .50 .75 1.0		52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F780	16	9080 IH
	Main - for cast iron blocks from 1993 on.								
5M2007P Std. .25 .50 .75 1.0	1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	18.25/0.719	F780	4	5638 L
	1-5	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	19.12/0.753	F780	5	5638W U
	5 (FI)	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	22.61/0.890	F780	1	5639 L
	5 (TW)	76.000/2.9921 76.250/3.0020 (I.D.)	91.500/3.6024 91.750/3.6122 (O.D.)			2.36/0.093	F817	1	5639T U
	Set includes one thrustwasher. Use on No. 5 upper position.								
	Main - alternate set to 5M7141P with +0.010" overflange length increase. * See below for dimensional information.								
5M5649P 1.0	1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.568/0.1011 (@ 0.25 mm u/s)	.014/.0006 .077/.0030	18.25/0.719	F780	4	5638 L
	1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.568/0.1011 (@ 0.25 mm u/s)	.014/.0006 .077/.0030	19.12/0.753	F780	4	5638W U
	5 (FI)	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.568/0.1011 (@ 0.25 mm u/s)	.014/.0006 .077/.0030	22.86/0.900	F780	2	5649 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 5M5649P**

	Overall Width (Nominal)	Increase in Width
1.00mm u/s shaft	0.900"	+ 0.010"

	Main - for 1991-92 engines. (Upper flange bearing has no tang)								
5M7141P Std. .25 .50 .75 1.0	1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	18.25/0.719	F780	4	5638 L
	1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	19.12/0.753	F780	4	5638W U
	5 (FI)	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	22.61/0.890	F780	2	5639 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 3
Cam Tower									
1-6	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.013/.0005 .038/.0015	14.70/0.579	F810	6	5194A L	**6C1100A** Std. .25
1-6	26.937/1.0605 26.962/1.0615	29.190/1.1492 29.144/1.1474	1.083/0.0426	.013/.0005 .038/.0015	14.70/0.579	F810	6	5195A U	
Small End - single pieces, not bored.									
	21.994/0.8659 21.999/0.8661	24.016/0.9455 24.041/0.9465			23.75/0.935	F100	1	RB4113	**RB4113** Semi

New Item. Order when announced.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
281 (4.6) DOHC	**H**	**V8**	**3.550 x 3.542**	**Connecting Rod 23 ft.lbs/31 Nm + 90 deg**	
281 (4.6) DOHC	**V**	**V8**	**3.550 x 3.542**	**Main Bearing 24 ft.lbs/33 Nm + 90 deg**	4

Rod - High Strength Aluminum Silicon material.									
	52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F810	16	5636A IH	**8B1442A** Std. .25 .50 .75 1.0
Rod - .002" oversize back version of 8B1442A.									
	52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F810	16	9080A IH	**8B1442AO/S2** .25 .50 .75 1.0
Rod - To be superceded by 8B1442A when stock exhausted.									
	52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F780	16	5636 IH	**8B1442P** Std. .25 .50 .75 1.0
Rod - To be superceded by 8B1442AO/S2 when stock exhausted.									
	52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F780	16	9080 IH	**8B1442PO/S2** .25 .50 .75 1.0
Cam Tower - for engines 1993-early '96.									
1,6,7,12	26.937/1.0605 36.962/1.4552	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	4	5195A L	**6C1200A** Std.
1,6,7,12	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	4	5192A U	
2-5,8-11	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	11.80/0.465	F810	8	5191A L	
	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	11.80/0.465			5193A	
Cam Tower - for engines late '96-99.									
1,6,7,12	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.093/0.0430	.015/.0006 .081/.0032	14.70/0.579	F810	4	5190A L	**6C1201A** Std.
1,6,7,12	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	14.70/0.579	F810	4	5192A U	
2-5,8-11	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	11.80/0.465	F810	8	5191A U	
2-5,8-11	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.015/.0006 .081/.0032	11.80/0.465	F810	8	5193A L	
Small End - single pieces, not bored.									
	21.994/0.8659 21.999/0.8661	24.016/0.9455 24.041/0.9465			23.75/0.935	F100	1	RB4113	**RB4113** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
302 (5.0)	**E**	**V8**	**4.00 x 3.00**	**Connecting Rod 19-24 ft.lbs/26-32 Nm**	
302 (5.0)	**F**	**V8**	**4.00 x 3.00**	**Main Bearing 60-70 ft.lbs/81-95 Nm**	
302 (5.0)	**M**	**V8**	**4.00 x 3.00**		5

Rod - High Strength Aluminum Silicon material.									
	53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.458/0.0574	.016/.0006 .081/.0032	18.44/0.726	F810	16	2131A	**8B634A** Std. 01 10 20 30 40
Rod - .002" oversize back version of 8B634A.									
	53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.610/0.0634 (@ .010" u/s)	.016/.0006 .081/.0032	18.44/0.726	F810	16	9030A IH	**8B634AO/S2** 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
5 (Cont'd.)									
	Rod								
8B634P Std. 01 10 20 30 40		53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.458/0.0574	.016/.0006 .081/.0032	18.44/0.726	F780	16	2131 IH
	Rod - .002" oversize OD version of 8B634P.								
8B634PO/S2 10 20 30 40		53.919/2.1228 53.939/2.1236	56.922/2.2410 56.942/2.2418	1.610/0.0634 (@ .010" u/s)	.017/.0007 .083/.0033	18.44/0.726	F780	16	9030 IH
	Main - optional set to 5M590P with +0.020" overflange length increase for undersizes. *See below for dimensional information.								
5M1666P 10 20 30 40	1,2,3,4	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	22.48/0.885	F780	8	2132 U/L
	3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	29.28/1.153	F780	2	2145 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M1666P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.153"	+0.020"
.020" u/s shaft	1.153"	+0.020"
.030" u/s shaft	1.153"	+0.020"
.040" u/s shaft	1.153"	+.0.020"

	Main - optional set to 5M590P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
5M1746P 10 20 30 40	1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	22.48/0.885	F780	8	2132 U/L
	3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	29.03/1.143	F780	2	2139 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M1746P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

	Main - optional set to 5M590P with +0.004" overflange length increase for undersizes. *See below for dimensional information.								
5M2144P 10 20 30	1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.563/0.1009 (@ .010" u/s)	.005/.0002 .073/.0029	22.48/0.885	F780	8	2132 U/L
	3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.563/0.1009 (@ .010" u/s)	.005/.0002 .073/.0029	28.88/1.137	F780	2	2144 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 5M2144P**

	Overall Width (Nominal)	Increase in Width
+.010" u/s shaft	1.137"	+0.004"
+.020" u/s shaft	1.137"	+0.004"
+.030" u/s shaft	1.137"	+0.004"

	Main - High Strength Aluminum Silicon material.								
5M590A Std. 01 10 20 30 40	1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	22.48/0.885	F810	8	2132A U/L
	3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	28.78/1.133	F810	2	2133A U/L
	Main - half groove.								
5M590P Std. 01 10 20 30 40	1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	22.48/0.885	F780	8	2132 U/L
	3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	28.78/1.133	F780	2	2133 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 5
Cam									
1	52.845/2.0805 52.870/2.0815	55.982/2.2040 56.007/2.2050	1.530/0.0602		16.89/0.665	F23	1	F-18-1	**5C510S** Std.
2	52.464/2.0655 52.490/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2	
3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3	
4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4	
5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	6
330 (5.4) SOHC	**A**	**V8**	**3.551 x 4.160**	**Connecting Rod 23 ft.lbs/31 Nm + 90 deg**	
330 (5.4) SOHC	**L**	**V8**	**3.551 x 4.160**	**Main Bearing 24 ft.lbs/33 Nm + 90 deg**	
330 (5.4) SOHC	**R**	**V8**	**3.551 x 4.160**		

Rod - High Strength Aluminum Silicon material.									
	52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F810	16	5636A IH	**8B1442A** Std. .25 .50 .75 1.0
Rod - .002" oversize back version of 8B1442A.									
	52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F810	16	9080A IH	**8B1442AO/S2** .25 .50 .75 1.0
Rod - To be superceded by 8B1442A when stock exhausted.									
	52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F780	16	5636 IH	**8B1442P** Std. .25 .50 .75 1.0
Rod - To be superceded by 8B1442AO/S2 when stock exhausted.									
	52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F780	16	9080 IH	**8B1442PO/S2** .25 .50 .75 1.0
Main - High Strength Aluminum Silicon material.									
1	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	19.26/0.758	F810	1	7293A U	**5M7296A** Std. .25 .50 .75 1.0
2,3,4,5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F810	4	7296A U	
1-5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F810	5	7296A L	
5	76.750/3.0216 (ID) 77.000/3.0315	96.750/3.8090 (OD) 97.000/3.8189			2.92/0.115	F810	3	7296T U/L	
Cam Tower									
1-6	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.013/.0005 .038/.0015	14.70/0.579	F810	6	5194A L	**6C1100A** Std. .25
1-6	26.937/1.0605 26.962/1.0615	29.190/1.1492 29.144/1.1474	1.083/0.0426	.013/.0005 .038/.0015	14.70/0.579	F810	6	5195A U	
Small End - single pieces, not bored.									
	21.994/0.8659 21.999/0.8661	24.016/0.9455 24.041/0.9465			23.75/0.935	F100	1	RB4113	**RB4113** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	7
351 (5.8) Windsor	**G**	**V8**	**4.00 x 3.50**	**Connecting Rod 40-45 ft.lbs/54-61 Nm**	
351 (5.8) Windsor	**H**	**V8**	**4.00 x 3.50**	**Main Bearing 95-105 ft.lbs/129-142 Nm**	

Rod - High Strength Aluminum Silicon material.									
	58.682/2.3103 58.702/2.3111	61.633/2.4265 61.653/2.4273	1.465/0.0577	.010/.0004 .066/.0026	18.18/0.716	F810	16	2176A IH	**8B831A** Std. 10 20 30 40
Rod - .002" oversize OD version of 8B831A.									
	58.682/2.3103 58.702/2.3111	61.684/2.4285 61.704/2.4293	1.617/0.0637 (@ .010" u/s)	.010/.0004 .066/.0026	18.18/0.716	F810	16	9031A IH	**8B831AO/S2** 10 20 30 40
Rod - To be superceded by 8B831A when stock exhausted.									
	58.682/2.3103 58.702/2.3111	61.633/2.4265 61.653/2.4273	1.465/0.0577	.010/.0004 .066/.0026	18.18/0.716	F780	16	2176 IH	**8B831P** Std. 01 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 (Cont'd.)									
	Rod - .002" oversize OD version of 8B831P.								
8B831PO/S2 10 20 30 40		58.682/2.3103 58.702/2.3111	61.684/2.4285 61.704/2.4293	1.617/0.0637 (@ .010" u/s)	.002/.0001 .068/.0027	18.18/0.716	F780	16	9031 IH
	To be superceded by 8B831AO/S2 when stock exhausted.								
	Main - High Strength Aluminum Silicon material.								
5M1432A Std. 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	2177A U
	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	5207A L
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	1	2178A U
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	1	5209A L
	Main - To be superceded by 5M1432A when stock exhausted.								
5M1432P Std. 01 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	2177 U
	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	5207 L
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	2178 U
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	5209 L
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 5M1432A with +.010" overflange length increase for undersizes. *See dimensional information below.								
5M5249A 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	2177A U
	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	5207A L
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	1	2170A U
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	1	5249A L

*** DIMENSIONAL INFORMATION FOR 5M5249A**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

	Cam								
5C510S Std.	1	52.845/2.0805 52.870/2.0815	55.982/2.2040 56.007/2.2050	1.530/0.0602		16.89/0.665	F23	1	F-18-1
	2	52.464/2.0655 52.490/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5

8 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
400 (6.6)	**S**	**V8**	**4.00 x 4.00**	**Connecting Rod 40-45 ft.lbs/54-61 Nm** **Main Bearing 35-45 ft.lbs/47-61 Nm** (3/8" bolts only) **Main Bearing 95-105 ft.lbs/129-142 Nm** (1/2" bolts only)

	Rod								
8B927P Std. 01 10 20 30 40		58.682/2.3103 58.702/2.3111	61.880/2.4362 61.897/2.4369	1.588/0.0625	.002/.0001 .065/.0026	18.44/0.726	F780	16	2106C IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 8
Rod - .002" oversize OD version of 8B927P.									
	58.682/2.3103 58.702/2.3111	61.931/2.4382 61.948/2.4390	1.740/0.0685 (@ .010" u/s)	.003/.0001 .066/.0026	18.18/0.716	F780	16	9051 IH	**8B927PO/S2** 10 20 30 40
Main - High Strength Aluminum Silicon material.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	2177A U	**5M1432A** Std. 10 20 30 40
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	5207A L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	1	2178A U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	1	5209A L	
Main - To be superceded by 5M1432A when stock exhausted.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	2177 U	**5M1432P** Std. 01 10 20 30 40
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	5207 L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	2178 U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	5209 L	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 5M1432A with +.010" overflange length increase for undersizes. *See dimensional information below.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	2177A U	**5M5249A** 10 20 30 40
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	5207A L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	1	2170A U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	1	5249A L	

*** DIMENSIONAL INFORMATION FOR 5M5249A**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

Cam									
1	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.565/0.0616		16.89/0.665	F23	1	F-26-1	**5C710S** Std.
2	52.464/2.0655 52.489/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2	
3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3	
4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4	
5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 9
429 (7.0)	N	V8	4.36 x 3.59	Connecting Rod 40-45 ft.lbs/54-61 Nm
460 (7.5)	A	V8	4.36 x 3.85	Main Bearing 95-105 ft.lbs/129-142 Nm

Rod									
	63.480/2.4992 63.500/2.5000	67.366/2.6522 67.386/2.6530	1.927/0.0759	.012/.0005 .078/.0031	22.00/0.866	F780	16	5210 IH	**8B818P** Std. 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
9 (Cont'd.)									
	Main - Position 1,2,4,5 is half groove & Position 3 (Fl) is full groove.								
5M1039P Std. 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.432/0.0957	.013/.0005 .079/.0031	24.13/0.950	F780	8	5212 U/L
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.432/0.0957	.013/.0005 .079/.0031	28.45/1.120	F780	2	5214 IH
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 5M1039P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
5M5218P 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.557/0.1007 (@ .010" u/s)	.013/.0005 .079/.0031	24.13/0.950	F780	8	5212 U/L
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.557/0.1007 (@ .010" u/s)	.013/.0005 .079/.0031	28.70/1.130	F780	2	5218 IH
	Stock not available from fee warehouses.								
	Cam								
5C1111S Std.	1-5	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.570/0.0618		14.86/0.585	F23	5	F-30-1
	Cam - Oversize OD Cam set. Align bore housing to 2.2645"/2.2655".								
5C1766S Std.	1-5	53.944/2.1238 53.969/2.1248	57.518/2.2645 57.544/2.2655	1.763/0.0694	.028/.0011 .127/.0050	16.00/0.630	F820	5	SH1766

*** DIMENSIONAL INFORMATION FOR 5M5218P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.130"	+0.010"
.020" u/s shaft	1.130"	+0.010"
.030" u/s shaft	1.130"	+0.010"
.040" u/s shaft	1.130"	+0.010"

LISTER PETTER ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
	(TL2),Diesel		2	83-88	21
	(TL3),Diesel		3	83-88	30
405cc	(LD1),Diesel		1	56-66	1
405cc	(LR1),Diesel		1	67-76	2
408cc	(LT1),Diesel		1	74-06	3
458cc	(SL1),Diesel		1	61-66	4
477cc	(LV1),Diesel		1	83-06	5
552cc	(SR1),Diesel		1	67-76	6
552cc	(SW1),Diesel		1	69-76	6
553cc	(AV1),Diesel		1	45-66	7
553cc	(AVA1),Diesel		1	50-66	7
633cc	(ST1),Diesel		1	72-85	8
634cc	(TS1),Diesel		1	83-04	9
658cc	(PH1),Diesel		1	60-90	10
658cc	(PH1W/PHW1),Diesel		1	60-91	10
658cc	(PH1WM),Diesel		1	85-88	10
773cc	(TR1),Diesel		1	85-06	9
810cc	(PJ1),Diesel		1	62-85	11
810cc	(PJ1W),Diesel		1	62-85	11
810cc	(PJ1Z),Diesel		1	85-87	12
810cc	(PJ1ZW),Diesel		1	85-87	12
811cc	(LD2),Diesel		2	57-66	13
811cc	(LR2),Diesel		2	67-76	14
816cc	(LT2),Diesel		2	79-83	15
915cc	(SL2),Diesel		2	61-66	16
953cc	(LV2),Diesel		2	83-91	17
1104cc	(SR2),Diesel		2	67-76	18
1104cc	(SW2),Diesel		2	69-76	18
1106cc	(AV2),Diesel		2	45-66	19
1106cc	(AVA2),Diesel		2	50-66	19
1267cc	(ST2),Diesel		2	72-83	20
1267cc	(STW2),Diesel		2	77-91	20
1268cc	(TS2),Diesel		2	83-04	21
1317cc	(PH2),Diesel		2	60-90	22
1317cc	(PH2W/PHW2),Diesel		2	60-91	22
1317cc	(PH2WM),Diesel		2	85-88	22
1373cc	(SL3),Diesel		3	58-66	23
1545cc	(TR2),Diesel		2	85-06	21
1596cc	(P600/2),Diesel		2	84-89	33
1596cc	(TX2),Diesel		2	87-01	24
1620cc	(PJ2),Diesel		2	62-85	25
1620cc	(PJ2W),Diesel		2	62-85	25
1620cc	(PJ2Z),Diesel		2	85-87	26
1620cc	(PJ2ZW),Diesel		2	85-87	26
1655cc	(SR3),Diesel		3	67-76	27
1855cc	(HA2),Diesel		2	58-69	28
1855cc	(HB2),Diesel		2	58-69	28
1855cc	(HW2),Diesel		2	63-70	28
1900cc	(ST3),Diesel		3	72-83	29
1900cc	(STW3),Diesel		3	77-91	29
1902cc	(TS3),Diesel		3	83-04	30
2092cc	(HR2),Diesel		2	68-91	31
2092cc	(HR2G),Diesel		2	83-91	31
2092cc	(HRW2),Diesel		2	69-87	31
2318cc	(TR3),Diesel		3	85-06	30
2394cc	(P600/3),Diesel		3	84-89	33
2394cc	(TX3),Diesel		3	87-03	32
2429cc	(PJ3),Diesel		3	62-85	34
2429cc	(PJ3W),Diesel		3	62-85	34
2783cc	(HA3),Diesel		3	58-70	35
2783cc	(HB3),Diesel		3	58-70	35
2783cc	(HW3),Diesel		3	63-70	35
3138cc	(HL3),Diesel		3	83-87	37
3138cc	(HR3),Diesel		3	68-91	36
3138cc	(HR3G),Diesel		3	84-91	36
3138cc	(HRW3),Diesel		3	69-87	36
3239cc	(PJ4),Diesel		4	62-85	34
3239cc	(PJ4W),Diesel		4	62-85	34
3710cc	(HA4),Diesel		4	61-70	38
3710cc	(HB4),Diesel		4	61-70	38
3710cc	(HW4),Diesel		4	66-71	38
4184cc	(HL4),Diesel		4	83-91	39
4184cc	(HR4),Diesel		4	69-83	39
4184cc	(HRW4),Diesel		4	69-87	39
5565cc	(HA6),Diesel		6	61-70	40
5565cc	(HB6),Diesel		6	61-70	40
5565cc	(HW6),Diesel		6	66-70	40
6277cc	(HL6),Diesel		6	83-91	41
6277cc	(HLT6),Diesel		6	83-91	41
6277cc	(HR6),Diesel		6	69-83	41
6277cc	(HRS6),Diesel		6	69-83	41
6277cc	(HRW6),Diesel		6	69-87	41
6277cc	(HRWS6),Diesel		6	69-87	41

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**1**
405cc (LD1) Diesel			**1**	**76.2mm x 88.9mm**					
Rod									
	53.962/2.1245 53.975/2.1250	57.671/2.2705 57.683/2.2710	1.842/0.0725	.012/.0005 .063/.0025	31.88/1.255	F780	2	2561 IH	**1B2561** Std. 010 020 030 040 050 060
Main									
	57.099/2.2480 57.112/2.2485	60.820/2.3945 60.845/2.3955	1.835/0.0722	.038/.0015 .093/.0037	44.57/1.755	F780	2	2562 L	**2DM2562** Std. 010 020 030 040 050 060
	57.099/2.2480 57.112/2.2485	60.820/2.3945 60.845/2.3955	1.835/0.0722	.038/.0015 .093/.0037	44.57/1.755	F23	2	7882 U	
Thrust									
	64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L	**2T7882** Std.
Small End - not bored, single pieces.									
	25.395/0.9998 25.403/1.0001	28.575/1.1250 28.600/1.1260			28.70/1.130	F100	1	RB4089	**RB4089** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**2**
405cc (LR1) Diesel			**1**	**76.2mm x 88.9mm**					
Rod									
	53.962/2.1245 53.975/2.1250	57.671/2.2705 57.683/2.2710	1.842/0.0725	.012/.0005 .063/.0025	31.88/1.255	F780	2	2561 IH	**1B2561** Std. 010 020 030 040 050 060

LISTER PETTER

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	Main								
2M2567 Std. 010 020 030 040 050 060		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .103/.0041	44.58/1.755	F780	4	2567 U/L
	Thrust								
2T7882 Std.		64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L
	Small End - not bored, single pieces.								
RB4089 Semi		25.395/0.9998 25.403/1.0001	28.575/1.1250 28.600/1.1260			28.70/1.130	F100	1	RB4089
3 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
408cc (LT1) Diesel				**1**	**82.55mm x 76.2mm**				
	Rod								
1B2546 Std. 010 020 030 040 050 060		53.967/2.1247 53.980/2.1252	57.683/2.2710 57.696/2.2715	1.835/0.0722	.033/.0013 .085/.0033	22.10/0.870	F780	2	2546 IH
	Main - Gear End and also used on Flywheel end up to engine nos 4909LT131/499LT2A31.								
2M2547 Std. 010 020 030 040 050 060		53.955/2.1242 53.967/2.1247	57.671/2.2705 57.696/2.2715	1.837/0.0723	.030/.0012 .093/.0037	25.40/1.000	F780	4	2547 U/L
	Thrust								
2T7882 Std.		64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L
	Small End - not bored, single pieces.								
RB4086 Semi						28.45/1.120	F100	1	RB4086
4 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
458cc (SL1) Diesel				**1**	**80.96mm x 88.9mm**				
	Rod								
1B2561 Std. 010 020 030 040 050 060		53.962/2.1245 53.975/2.1250	57.671/2.2705 57.683/2.2710	1.842/0.0725	.012/.0005 .063/.0025	31.88/1.255	F780	2	2561 IH
	Main								
2DM2562 Std. 010 020 030 040 050 060		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.845/2.3955	1.835/0.0722	.038/.0015 .093/.0037	44.57/1.755	F780	2	2562 L
		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.845/2.3955	1.835/0.0722	.038/.0015 .093/.0037	44.57/1.755	F23	2	7882 U
	Thrust								
2T7882 Std.		64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L
5 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
477cc (LV1) Diesel				**1**	**85.73mm x 82.55mm**				
	Rod								
1B2546 Std. 010 020 030 040 050 060		53.967/2.1247 53.980/2.1252	57.683/2.2710 57.696/2.2715	1.835/0.0722	.033/.0013 .085/.0033	22.10/0.870	F780	2	2546 IH
	Main - Gear End and also used on Flywheel end up to engine nos 4909LT131/499LT2A31.								
2M2547 Std. 010 020 030 040 050 060		53.955/2.1242 53.967/2.1247	57.671/2.2705 57.696/2.2715	1.837/0.0723	.030/.0012 .093/.0037	25.40/1.000	F780	4	2547 U/L
	Thrust								
2T7882 Std.		64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L
6 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
552cc (SR1) Diesel				**1**	**88.9mm x 88.9mm**				
552cc (SW1) Diesel				**1**	**88.9mm x 88.9mm**				
	Rod								
1B2566 Std. .25 .50 .75 1.0 1.25 1.50		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .103/.0041	31.88/1.255	F780	2	2566 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 6
Main									
	57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .103/.0041	44.58/1.755	F780	4	2567 U/L	**2M2567** Std. 010 020 030 040 050 060
Thrust									
	64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L	**2T7882** Std.
Small End - not bored, single pieces.									
		32.651/1.2855 32.671/1.2863			33.04/1.301	F100	1	RB4079	**RB4079** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			7
553cc (AV1) Diesel			**1**	**80mm x 110mm**					
553cc (AVA1) Diesel			**1**	**80mm x 110mm**					
Rod									
	53.970/2.1248 53.990/2.1256	58.738/2.3125 58.750/2.3130	2.365/0.0931	.018/.0007 .076/.0030	35.68/1.405	F780	2	2901 IH	**1B2901** Std. 010 020 030 040 050 060
Main - Suits up to engine no. 3132347.									
	57.099/2.2480 57.112/2.2485	61.900/2.4370 61.925/2.4380	2.369/0.0933		46.29/1.822	F23	2	7612 Bush	**2M7612** Std. 010 020 030 040 050 060
Main - Suits engine no. 3132348 to 3150399.									
	57.099/2.2480 57.112/2.2485	61.900/2.4370 61.925/2.4380	2.369/0.0933		46.29/1.822	F23	1	7612 Bush	**2M7614** Std. 010 020 030 040 050 060
	57.099/2.2480 57.112/2.2485	61.900/2.4370 61.925/2.4380	2.369/0.0933		54.10/2.130	F23	1	7614 Bush	
Thrust									
	61.820/2.4339 62.078/2.4440	81.813/3.2210 82.067/3.2310			2.36/0.093	F1	2	7612T	**2T7612** Std.
Small End - not bored, single pieces.									
	30.000/1.1811 (Nominal)	35.999/1.4173 36.025/1.4183			30.81/1.213	F100	1	RB4003	**RB4003** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			8
633cc (ST1) Diesel			**1**	**95.25mm x 88.9mm**					
Rod									
	63.487/2.4995 63.500/2.5000	67.208/2.6460 67.221/2.6465	1.839/0.0724	.030/.0012 .082/.0032	31.75/1.250	F780	2	2550 IH	**1B2550** Std. 010 020 030 040 050 060
Main									
	63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	44.45/1.750	F780	2	2551 U/L	**1M2551** Std. 010 020 030 040 050 060
Thrust									
	68.960/2.7150 69.210/2.7248	85.600/3.3701 85.850/3.3799			2.36/0.093	F250	4	1642T U/L	**2T1642** Std.
Small End - not bored, single pieces.									
	33.332/1.3123 33.337/1.3125	36.512/1.4375 36.538/1.4385			33.78/1.330	F100	1	RB4084	**RB4084** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			9
634cc (TS1) Diesel			**1**	**95.3mm x 88.9mm**					
773cc (TR1) Diesel			**1**	**98.4mm x 101.6mm**					
Rod									
	63.487/2.4995 63.500/2.5000	67.208/2.6460 67.221/2.6465	1.835/0.0722	.038/.0015 .080/.0031	25.53/1.005	F780	2	2553 IH	**1B2553** Std. 010 020 030 040 050 060
Main - Crankcase									
	63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2554 U/L	**1M2554** Std. 010 020 030 040 050 060

LISTER PETTER

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
9 (Cont'd.)									
	Main - Main Bearing Housing								
1M2559 Std. 010 020 030 040 050 060		63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2559 U/L
	Thrust								
1T2555 Std.		72.000/2.8346 72.250/2.8445	91.900/3.6181 92.150/3.6279			2.36/0.093	F250	2	2555T U/L
	Small End - not bored, single pieces.								
RB4084 Semi		33.332/1.3123 33.337/1.3125	36.512/1.4375 36.538/1.4385			33.78/1.330	F100	1	RB4084
10 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
658cc (PH1) Diesel				**1**	**87.3mm x 110mm**				
658cc (PH1W/PHW1) Diesel				**1**	**87.3mm x 110mm**				
658cc (PH1WM) Diesel				**1**	**87.3mm x 110mm**				
	Rod								
1B2496 Std. 010 020 030 040 050 060		60.312/2.3745 60.325/2.3750	64.033/2.5210 64.046/2.5215	1.834/0.0722	.040/.0016 .092/.0036	31.87/1.255	F780	2	2496 IH
	Main								
2M7942 Std. 010 020 030 040 050 060		60.274/2.3730 60.287/2.3735	65.075/2.5620 65.100/2.5630	2.369/0.0933	.050/.0020 .114/.0045	44.60/1.756	F820	1	7942AL Bush
		60.274/2.3730 60.287/2.3735	65.075/2.5620 65.100/2.5630	2.369/0.0933	.050/.0020 .114/.0045	53.50/2.106	F820	1	7944AL Bush
	Thrust								
2T7942 Std.		65.126/2.5640 65.376/2.5739	84.760/3.3370 85.010/3.3468			2.36/0.093	F1	2	7942T
	Small End - not bored, single pieces.								
RB4092 Semi		29.995/1.1809 30.000/1.1811	33.338/1.3125 33.363/1.3135			30.48/1.200	F100	1	RB4092
11 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
810cc (PJ1) Diesel				**1**	**96.82mm x 109.98mm**				
810cc (PJ1W) Diesel				**1**	**96.82mm x 109.98mm**				
	Rod								
1B2496 Std. 010 020 030 040 050 060		60.312/2.3745 60.325/2.3750	64.033/2.5210 64.046/2.5215	1.834/0.0722	.040/.0016 .092/.0036	31.87/1.255	F780	2	2496 IH
	Main - Suits engines with HJC8 flywheel end.								
2M7942 Std. 010 020 030 040 050 060		60.274/2.3730 60.287/2.3735	65.075/2.5620 65.100/2.5630	2.369/0.0933	.050/.0020 .114/.0045	44.60/1.756	F820	1	7942AL Bush
		60.274/2.3730 60.287/2.3735	65.075/2.5620 65.100/2.5630	2.369/0.0933	.050/.0020 .114/.0045	53.50/2.106	F820	1	7944AL Bush
	Thrust - Suits HJC23 crankshaft.								
2T7942 Std.		65.126/2.5640 65.376/2.5739	84.760/3.3370 85.010/3.3468			2.36/0.093	F1	2	7942T
12 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
810cc (PJ1Z) Diesel				**1**	**96.82mm x 109.98mm**				
810cc (PJ1ZW) Diesel				**1**	**96.82mm x 109.98mm**				
	Rod								
1B2496 Std. 010 020 030 040 050 060		60.312/2.3745 60.325/2.3750	64.033/2.5210 64.046/2.5215	1.834/0.0722	.040/.0016 .092/.0036	31.87/1.255	F780	2	2496 IH
	Main								
2M7942 Std. 010 020 030 040 050 060		60.274/2.3730 60.287/2.3735	65.075/2.5620 65.100/2.5630	2.369/0.0933	.050/.0020 .114/.0045	44.60/1.756	F820	1	7942AL Bush
		60.274/2.3730 60.287/2.3735	65.075/2.5620 65.100/2.5630	2.369/0.0933	.050/.0020 .114/.0045	53.50/2.106	F820	1	7944AL Bush
	Thrust - Suits HJC23 crankshaft.								
2T7942 Std.		65.126/2.5640 65.376/2.5739	84.760/3.3370 85.010/3.3468			2.36/0.093	F1	2	7942T

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**13**
811cc (LD2) Diesel			**2**	**76.2mm x 88.9mm**					
Rod									
	53.962/2.1245 53.975/2.1250	57.671/2.2705 57.683/2.2710	1.842/0.0725	.012/.0005 .063/.0025	31.88/1.255	F780	2	2561 IH	**1B2561** Std. 010 020 030 040 050 060
Main									
	57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .093/.0037	44.57/1.755	F780	2	2562 L	**3DM2562** Std. 010 020 030 040 050 060
	57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .093/.0037	31.87/1.255	F780	2	2563 IH	
	57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .093/.0037	44.57/1.755	F23	2	7882 U	
Thrust									
	64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L	**2T7882** Std.
Small End - not bored, single pieces.									
	25.395/0.9998 25.403/1.0001	28.575/1.1250 28.600/1.1260			28.70/1.130	F100	1	RB4089	**RB4089** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**14**
811cc (LR2) Diesel			**2**	**76.2mm x 88.9mm**					
Rod									
	53.962/2.1245 53.975/2.1250	57.671/2.2705 57.683/2.2710	1.842/0.0725	.012/.0005 .063/.0025	31.88/1.255	F780	2	2561 IH	**1B2561** Std. 010 020 030 040 050 060
Main									
	57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .103/.0041	44.58/1.755	F780	4	2567 U/L	**3M2567** Std. 010 020 030 040 050 060
	57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .103/.0041	31.87/1.255	F780	2	2568 U/L	
Thrust									
	64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L	**2T7882** Std.
Small End - not bored, single pieces.									
	25.395/0.9998 25.403/1.0001	28.575/1.1250 28.600/1.1260			28.70/1.130	F100	1	RB4089	**RB4089** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**15**
816cc (LT2) Diesel			**2**	**82.55mm x 76.2mm**					
Rod									
	53.967/2.1247 53.980/2.1252	57.683/2.2710 57.696/2.2715	1.835/0.0722	.033/.0013 .085/.0033	22.10/0.870	F780	2	2546 IH	**1B2546** Std. 010 020 030 040 050 060
Thrust									
	64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L	**2T7882** Std.
Small End - not bored, single pieces.									
					28.45/1.120	F100	1	RB4086	**RB4086** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**16**
915cc (SL2) Diesel			**2**	**80.96mm x 88.9mm**					
Rod									
	53.962/2.1245 53.975/2.1250	57.671/2.2705 57.683/2.2710	1.842/0.0725	.012/.0005 .063/.0025	31.88/1.255	F780	2	2561 IH	**1B2561** Std. 010 020 030 040 050 060

LISTER PETTER

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
16 (Cont'd.)									
	Main								
3DM2562 Std. 010 020 030 040 050 060		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .093/.0037	44.57/1.755	F780	2	2562 L
		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .093/.0037	31.87/1.255	F780	2	2563 IH
		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .093/.0037	44.57/1.755	F23	2	7882 U
	Thrust								
2T7882 Std.		64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L
17 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
953cc (LV2) Diesel			**2**	**85.73mm x 82.55mm**					
	Rod								
1B2546 Std. 010 020 030 040 050 060		53.967/2.1247 53.980/2.1252	57.683/2.2710 57.696/2.2715	1.835/0.0722	.033/.0013 .085/.0033	22.10/0.870	F780	2	2546 IH
	Thrust								
2T7882 Std.		64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L
18 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1104cc (SR2) Diesel			**2**	**88.9mm x 88.9mm**					
1104cc (SW2) Diesel			**2**	**88.9mm x 88.9mm**					
	Rod								
1B2566 Std. .25 .50 .75 1.0 1.25 1.50		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .103/.0041	31.88/1.255	F780	2	2566 IH
	Main								
3M2567 Std. 010 020 030 040 050 060		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .103/.0041	44.58/1.755	F780	4	2567 U/L
		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .103/.0041	31.87/1.255	F780	2	2568 U/L
	Thrust								
2T7882 Std.		64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L
	Small End - not bored, single pieces.								
RB4079 Semi			32.651/1.2855 32.671/1.2863			33.04/1.301	F100	1	RB4079
19 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1106cc (AV2) Diesel			**2**	**80mm x 110mm**					
1106cc (AVA2) Diesel			**2**	**80mm x 110mm**					
	Rod								
1B2901 Std. 010 020 030 040 050 060		53.970/2.1248 53.990/2.1256	58.738/2.3125 58.750/2.3130	2.365/0.0931	.018/.0007 .076/.0030	35.68/1.405	F780	2	2901 IH
	Main - Suits up to engine no. 3132347.								
3M7612 Std. 010 020 030 040 050 060		57.099/2.2480 57.112/2.2485	61.900/2.4370 61.925/2.4380	2.369/0.0933		46.29/1.822	F23	2	7612 Bush
		57.137/2.2495 57.163/2.2505	61.951/2.4390 61.963/2.4395	2.378/0.0936	.032/.0013 .086/.0034	36.62/1.442	F23	2	7613 IH
	Main - Suits engine no. 3132348 on.								
3M7614 Std. 010 020 030 040 050 060		57.099/2.2480 57.112/2.2485	61.900/2.4370 61.925/2.4380	2.369/0.0933		46.29/1.822	F23	1	7612 Bush
		57.137/2.2495 57.163/2.2505	61.951/2.4390 61.963/2.4395	2.378/0.0936	.032/.0013 .086/.0034	36.62/1.442	F23	2	7613 IH
		57.099/2.2480 57.112/2.2485	61.900/2.4370 61.925/2.4380	2.369/0.0933		54.10/2.130	F23	1	7614 Bush

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 19
Thrust									
	61.820/2.4339 62.078/2.4440	81.813/3.2210 82.067/3.2310			2.36/0.093	F1	2	7612T	**2T7612** Std.
Small End - not bored, single pieces.									
	30.000/1.1811 (Nominal)	35.999/1.4173 36.025/1.4183			30.81/1.213	F100	1	RB4003	**RB4003** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			20
1267cc (ST2) Diesel			**2**	**95.25mm x 88.9mm**					
1267cc (STW2) Diesel			**2**	**95.25mm x 88.9mm**					
Rod									
	63.487/2.4995 63.500/2.5000	67.208/2.6460 67.221/2.6465	1.839/0.0724	.030/.0012 .082/.0032	31.75/1.250	F780	2	2550 IH	**1B2550** Std. 010 020 030 040 050 060
Main - Position 1 & 3 (2 req'd per engine).									
	63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	44.45/1.750	F780	2	2551 U/L	**1M2551** Std. 010 020 030 040 050 060
Main - Centre Main (1 req'd per engine).									
	63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2552 U/L	**1M2552** Std. 010 020 030 040 050 060
Thrust									
	68.960/2.7150 69.210/2.7248	85.600/3.3701 85.850/3.3799			2.36/0.093	F250	4	1642T U/L	**2T1642** Std.
Small End - not bored, single pieces.									
	33.332/1.3123 33.337/1.3125	36.512/1.4375 36.538/1.4385			33.78/1.330	F100	1	RB4084	**RB4084** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			21
			2						
1268cc (TS2) Diesel			**2**	**95.3mm x 88.9mm**					
1545cc (TR2) Diesel			**2**	**98.4mm x 101.6mm**					
Rod									
	63.487/2.4995 63.500/2.5000	67.208/2.6460 67.221/2.6465	1.835/0.0722	.038/.0015 .080/.0031	25.53/1.005	F780	2	2553 IH	**1B2553** Std. 010 020 030 040 050 060
Main - Centre Bearing Housing.									
	63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2552 U/L	**1M2552** Std. 010 020 030 040 050 060
Main - Crankcase.									
	63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2554 U/L	**1M2554** Std. 010 020 030 040 050 060
Main - Main Bearing Housing.									
	63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2559 U/L	**1M2559** Std. 010 020 030 040 050 060
Thrust									
	72.000/2.8346 72.250/2.8445	91.900/3.6181 92.150/3.6279			2.36/0.093	F250	2	2555T U/L	**1T2555** Std.
Small End - not bored, single pieces.									
	33.332/1.3123 33.337/1.3125	36.512/1.4375 36.538/1.4385			33.78/1.330	F100	1	RB4084	**RB4084** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			22
1317cc (PH2) Diesel			**2**	**87.3mm x 110mm**					
1317cc (PH2W/PHW2) Diesel			**2**	**87.3mm x 110mm**					
1317cc (PH2WM) Diesel			**2**	**87.3mm x 110mm**					
Rod - 2 req'd per engine.									
	60.312/2.3745 60.325/2.3750	64.033/2.5210 64.046/2.5215	1.834/0.0722	.040/.0016 .092/.0036	31.87/1.255	F780	2	2496 IH	**1B2496** Std. 010 020 030 040 050 060

LISTER PETTER

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
22 (Cont'd.)									
	Main								
3M7942 Std. 010 020 030 040 050 060		60.274/2.3730 60.287/2.3735	65.075/2.5620 65.100/2.5630	2.369/0.0933	.050/.0020 .114/.0045	44.60/1.756	F820	1	7942AL Bush
		60.312/2.3745 60.325/2.3750	64.033/2.5210 64.046/2.5215	1.822/0.0717	.064/.0025 .102/.0040	38.22/1.505	F820	2	7943AL IH
		60.274/2.3730 60.287/2.3735	65.075/2.5620 65.100/2.5630	2.369/0.0933	.050/.0020 .114/.0045	53.50/2.106	F820	1	7944AL Bush
	Thrust								
2T7942 Std.		65.126/2.5640 65.376/2.5739	84.760/3.3370 85.010/3.3468			2.36/0.093	F1	2	7942T
	Small End - not bored, single pieces.								
RB4092 Semi		29.995/1.1809 30.000/1.1811	33.338/1.3125 33.363/1.3135			30.48/1.200	F100	1	RB4092
23 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
1373cc (SL3) Diesel				**3**	**80.96mm x 88.9mm**				
	Rod - 3 req'd per engine.								
1B2561 Std. 010 020 030 040 050 060		53.962/2.1245 53.975/2.1250	57.671/2.2705 57.683/2.2710	1.842/0.0725	.012/.0005 .063/.0025	31.88/1.255	F780	2	2561 IH
	Main								
4DM2562 Std. 010 020 030 040 050 060		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .093/.0037	44.57/1.755	F780	2	2562 L
		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .093/.0037	31.87/1.255	F780	4	2563 IH
		57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .093/.0037	44.57/1.755	F23	2	7882 U
	Thrust								
2T7882 Std.		64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L
24 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
1596cc (TX2) Diesel				**2**	**100mm x 101.6mm**				
	Rod - 2 req'd per engine.								
1B2560 Std. 010 020 030 040		63.487/2.4995 63.500/2.5000	67.208/2.6460 67.221/2.6465	1.835/0.0722	.038/.0015 .084/.0033	25.53/1.005	F780	2	2560 U/L
	Main - Centre Bearing Housing.								
1M2552 Std. 010 020 030 040 050 060		63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2552 U/L
	Main - Crankcase.								
1M2554 Std. 010 020 030 040 050 060		63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2554 U/L
	Main - Main Bearing Housing.								
1M2559 Std. 010 020 030 040 050 060		63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2559 U/L
	Thrust								
1T2555 Std.		72.000/2.8346 72.250/2.8445	91.900/3.6181 92.150/3.6279			2.36/0.093	F250	2	2555T U/L
	Small End - not bored, single pieces.								
RB4084 Semi		33.332/1.3123 33.337/1.3125	36.512/1.4375 36.538/1.4385			33.78/1.330	F100	1	RB4084
25 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
1620cc (PJ2) Diesel				**2**	**96.83mm x 109.98mm**				
1620cc (PJ2W) Diesel				**2**	**96.83mm x 109.98mm**				
	Rod - 2 req'd per engine.								
1B2496 Std. 010 020 030 040 050 060		60.312/2.3745 60.325/2.3750	64.033/2.5210 64.046/2.5215	1.834/0.0722	.040/.0016 .092/.0036	31.87/1.255	F780	2	2496 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 25
Main - Suits engines with HJC8 flywheel end.									
	60.274/2.3730 60.287/2.3735	65.075/2.5620 65.100/2.5630	2.369/0.0933	.050/.0020 .114/.0045	44.60/1.756	F820	1	7942AL Bush	**3M7942** Std. 010 020 030 040 050 060
	60.312/2.3745 60.325/2.3750	64.033/2.5210 64.046/2.5215	1.822/0.0717	.064/.0025 .102/.0040	38.22/1.505	F820	2	7943AL IH	
	60.274/2.3730 60.287/2.3735	65.075/2.5620 65.100/2.5630	2.369/0.0933	.050/.0020 .114/.0045	53.50/2.106	F820	1	7944AL Bush	
Thrust - Suits HJC23 crankshaft.									
	65.126/2.5640 65.376/2.5739	84.760/3.3370 85.010/3.3468			2.36/0.093	F1	2	7942T	**2T7942** Std.
ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**					26
1620cc (PJ2Z) Diesel		**2**	**96.83mm x 109.98mm**						
1620cc (PJ2ZW) Diesel		**2**	**96.83mm x 109.98mm**						
Rod - 2 req'd per engine.									
	60.312/2.3745 60.325/2.3750	64.033/2.5210 64.046/2.5215	1.834/0.0722	.040/.0016 .092/.0036	31.87/1.255	F780	2	2496 IH	**1B2496** Std. 010 020 030 040 050 060
Main									
	60.274/2.3730 60.287/2.3735	65.075/2.5620 65.100/2.5630	2.369/0.0933	.050/.0020 .114/.0045	44.60/1.756	F820	1	7942AL Bush	**3M7942** Std. 010 020 030 040 050 060
	60.312/2.3745 60.325/2.3750	64.033/2.5210 64.046/2.5215	1.822/0.0717	.064/.0025 .102/.0040	38.22/1.505	F820	2	7943AL IH	
	60.274/2.3730 60.287/2.3735	65.075/2.5620 65.100/2.5630	2.369/0.0933	.050/.0020 .114/.0045	53.50/2.106	F820	1	7944AL Bush	
Thrust - Suits HJC23 crankshaft.									
	65.126/2.5640 65.376/2.5739	84.760/3.3370 85.010/3.3468			2.36/0.093	F1	2	7942T	**2T7942** Std.
ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**					27
1655cc (SR3) Diesel		**3**	**88.9mm x 88.9mm**						
Rod - 3 req'd per engine.									
	57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .103/.0041	31.88/1.255	F780	2	2566 IH	**1B2566** Std. .25 .50 .75 1.0 1.25 1.50
Main									
	57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .103/.0041	44.58/1.755	F780	4	2567 U/L	**4M2567** Std. 010 020 030 040 050 060
	57.099/2.2480 57.112/2.2485	60.820/2.3945 60.846/2.3955	1.835/0.0722	.038/.0015 .103/.0041	31.87/1.255	F780	4	2568 U/L	
Thrust									
	64.770/2.5500 65.020/2.5598	79.930/3.1468 80.190/3.1571			2.36/0.093	F250	4	7882T U/L	**2T7882** Std.
Small End - not bored, single pieces.									
		32.651/1.2855 32.671/1.2863			33.04/1.301	F100	1	RB4079	**RB4079** Semi
ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**					28
1855cc (HA2) Diesel		**2**	**101.65mm x 114.3mm**						
1855cc (HB2) Diesel		**2**	**101.65mm x 114.3mm**						
1855cc (HW2) Diesel		**2**	**101.65mm x 114.3mm**						
Rod - 2 req'd per engine.									
	66.637/2.6235 66.650/2.6240	70.879/2.7905 70.891/2.7910	2.092/0.0824	.045/.0018 .096/.0038	38.22/1.505	F780	2	2530 IH	**1B2530** Std. 010 020 030 040 050 060
Main - Position 1 & 3 (2 req'd per engine).									
	76.175/2.9990 76.187/2.9995	80.416/3.1660 80.442/3.1670	2.092/0.0824	.045/.0018 .109/.0043	38.22/1.505	F780	2	2533 U/L	**1M2533** Std. 010 020 030 040 050 060
Main - Centre Bearing (1 req'd per engine).									
	76.175/2.9990 76.187/2.9995	80.416/3.1660 80.442/3.1670	2.092/0.0824	.045/.0018 .109/.0043	38.22/1.505	F780	2	2534 U/L	**1M2534** Std. 010 020 030 040 050 060

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
28 (Cont'd.)									
	Thrust								
2T2534 Std.		83.330/3.2807 83.590/3.2909	98.750/3.8878 99.010/3.8980			2.36/0.093	F250	4	2534T U/L
	Small End - not bored, single pieces.								
RB4083 Semi		36.507/1.4373 36.515/1.4376	40.480/1.5937 40.513/1.5950			36.75/1.447	F100	1	RB4083
29 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1900cc (ST3) Diesel			**3**	**95.25mm x 88.9mm**					
1900cc (STW3) Diesel			**3**	**95.25mm x 88.9mm**					
	Rod - 3 req'd per engine.								
1B2550 Std. 010 020 030 040 050 060		63.487/2.4995 63.500/2.5000	67.208/2.6460 67.221/2.6465	1.839/0.0724	.030/.0012 .082/.0032	31.75/1.250	F780	2	2550 IH
	Main - Position 1 & 4 (2 req'd per engine).								
1M2551 Std. 010 020 030 040 050 060		63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	44.45/1.750	F780	2	2551 U/L
	Main - Centre Bearing (2 req'd per engine).								
1M2552 Std. 010 020 030 040 050 060		63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2552 U/L
	Thrust								
2T1642 Std.		68.960/2.7150 69.210/2.7248	85.600/3.3701 85.850/3.3799			2.36/0.093	F250	4	1642T U/L
	Small End - not bored, single pieces.								
RB4084 Semi		33.332/1.3123 33.337/1.3125	36.512/1.4375 36.538/1.4385			33.78/1.330	F100	1	RB4084
30 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
			3						
1902cc (TS3) Diesel			**3**	**95.3mm x 88.9mm**					
2318cc (TR3) Diesel			**3**	**98.4mm x 101.6mm**					
	Rod - 3 req'd per engine.								
1B2553 Std. 010 020 030 040 050 060		63.487/2.4995 63.500/2.5000	67.208/2.6460 67.221/2.6465	1.835/0.0722	.038/.0015 .080/.0031	25.53/1.005	F780	2	2553 IH
	Main - Centre Bearing Housing (2 req'd per engine).								
1M2552 Std. 010 020 030 040 050 060		63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2552 U/L
	Main - Crankcase.								
1M2554 Std. 010 020 030 040 050 060		63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2554 U/L
	Main - Main Bearing Housing.								
1M2559 Std. 010 020 030 040 050 060		63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2559 U/L
	Thrust								
1T2555 Std.		72.000/2.8346 72.250/2.8445	91.900/3.6181 92.150/3.6279			2.36/0.093	F250	2	2555T U/L
	Small End - not bored, single pieces.								
RB4084 Semi		33.332/1.3123 33.337/1.3125	36.512/1.4375 36.538/1.4385			33.78/1.330	F100	1	RB4084
31 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
2092cc (HR2) Diesel			**2**	**107.95mm x 114.3mm**					
2092cc (HR2G) Diesel			**2**	**107.95mm x 114.3mm**					
2092cc (HRW2) Diesel			**2**	**107.95mm x 114.3mm**					
	Rod - 2 req'd per engine.								
1B2540 Std. 010 020 030 040 050 060		69.817/2.7487 69.830/2.7492	74.054/2.9155 74.066/2.9160	2.089/0.0822	.046/.0018 .097/.0038	36.63/1.442	F780	2	2540 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 31
Main - Position 1 & 3 (2 req'd per engine).									
	82.525/3.2490 82.537/3.2495	86.766/3.4160 86.792/3.4170	2.089/0.0822	.051/.0020 .115/.0045	36.63/1.442	F780	2	2544 U/L	**1M2544** Std. 010 020 030 040 050 060
Main - Centre Bearing (1 req'd per engine).									
	82.525/3.2490 82.537/3.2495	86.766/3.4160 86.792/3.4170	2.089/0.0822	.050/.0020 .115/.0045	36.62/1.442	F780	2	2545 U/L	**1M2545** Std. 010 020 030 040 050 060
Thrust									
	91.310/3.5949 91.690/3.6098	112.340/4.4228 112.720/4.4378			3.17/0.125	F250	4	2545T U/L	**2T2545** Std.
Small End - not bored, single pieces.									
	39.688/1.5625 39.683/1.5623	43.657/1.7188 43.692/1.7202			36.40/1.433	F100	1	RB4085	**RB4085** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			32
2394cc (TX3) Diesel			**3**	**100mm x 101.6mm**					
Rod - 3 req'd per engine.									
	63.487/2.4995 63.500/2.5000	67.208/2.6460 67.221/2.6465	1.835/0.0722	.038/.0015 .084/.0033	25.53/1.005	F780	2	2560 U/L	**1B2560** Std. 010 020 030 040
Main - Centre Bearing Housing (2 req'd per engine).									
	63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2552 U/L	**1M2552** Std. 010 020 030 040 050 060
Main - Crankcase.									
	63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2554 U/L	**1M2554** Std. 010 020 030 040 050 060
Main - Main Bearing Housing.									
	63.475/2.4990 63.487/2.4995	67.196/2.6455 67.221/2.6465	1.839/0.0724	.031/.0012 .094/.0037	31.75/1.250	F780	2	2559 U/L	**1M2559** Std. 010 020 030 040 050 060
Thrust									
	72.000/2.8346 72.250/2.8445	91.900/3.6181 92.150/3.6279			2.36/0.093	F250	2	2555T U/L	**1T2555** Std.
Small End - not bored, single pieces.									
	39.688/1.5625 39.683/1.5623	43.657/1.7188 43.692/1.7202			36.40/1.433	F100	1	RB4085	**RB4085** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			33
1596cc (P600/2) Diesel			**2**	**100mm x 101.6mm**					
2394cc (P600/3) Diesel			**3**	**100mm x 101.6mm**					
Rod									
	63.487/2.4995 63.500/2.5000	67.208/2.6460 67.221/2.6465	1.835/0.0722	.038/.0015 .080/.0031	25.53/1.005	F780	2	2553 IH	**1B2553** Std. 010 020 030 040 050 060
Thrust									
	72.000/2.8346 72.250/2.8445	91.900/3.6181 92.150/3.6279			2.36/0.093	F250	2	2555T U/L	**1T2555** Std.
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			34
2429cc (PJ3) Diesel			**3**	**96.82mm x 109.98mm**					
2429cc (PJ3W) Diesel			**3**	**96.82mm x 109.98mm**					
3239cc (PJ4) Diesel			**4**	**96.82mm x 109.98mm**					
3239cc (PJ4W) Diesel			**4**	**96.82mm x 109.98mm**					
Rod									
	60.312/2.3745 60.325/2.3750	64.033/2.5210 64.046/2.5215	1.834/0.0722	.040/.0016 .092/.0036	31.87/1.255	F780	2	2496 IH	**1B2496** Std. 010 020 030 040 050 060
Thrust - Suits HJC23 crankshaft.									
	65.126/2.5640 65.376/2.5739	84.760/3.3370 85.010/3.3468			2.36/0.093	F1	2	7942T	**2T7942** Std.

LISTER PETTER

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
35 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
2783cc (HA3) Diesel			**3**	**101.65mm x 114.3mm**					
2783cc (HB3) Diesel			**3**	**101.65mm x 114.3mm**					
2783cc (HW3) Diesel			**3**	**101.65mm x 114.3mm**					
	Rod - 3 req'd per engine.								
1B2530 Std. 010 020 030 040 050 060		66.637/2.6235 66.650/2.6240	70.879/2.7905 70.891/2.7910	2.092/0.0824	.045/.0018 .096/.0038	38.22/1.505	F780	2	2530 IH
	Main - Position 1 & 4 (2 req'd per engine).								
1M2533 Std. 010 020 030 040 050 060		76.175/2.9990 76.187/2.9995	80.416/3.1660 80.442/3.1670	2.092/0.0824	.045/.0018 .109/.0043	38.22/1.505	F780	2	2533 U/L
	Main - Centre Bearing (2 req'd per engine).								
1M2534 Std. 010 020 030 040 050 060		76.175/2.9990 76.187/2.9995	80.416/3.1660 80.442/3.1670	2.092/0.0824	.045/.0018 .109/.0043	38.22/1.505	F780	2	2534 U/L
	Thrust								
2T2534 Std.		83.330/3.2807 83.590/3.2909	98.750/3.8878 99.010/3.8980			2.36/0.093	F250	4	2534T U/L
	Small End - not bored, single pieces.								
RB4083 Semi		36.507/1.4373 36.515/1.4376	40.480/1.5937 40.513/1.5950			36.75/1.447	F100	1	RB4083
36 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
3138cc (HR3) Diesel			**3**	**107.95mm x 114.3mm**					
3138cc (HR3G) Diesel			**3**	**107.95mm x 114.3mm**					
3138cc (HRW3) Diesel			**3**	**107.95mm x 114.3mm**					
	Rod - 3 req'd per engine.								
1B2540 Std. 010 020 030 040 050 060		69.817/2.7487 69.830/2.7492	74.054/2.9155 74.066/2.9160	2.089/0.0822	.046/.0018 .097/.0038	36.63/1.442	F780	2	2540 IH
	Main - Position 1 & 4 (2 req'd per engine).								
1M2544 Std. 010 020 030 040 050 060		82.525/3.2490 82.537/3.2495	86.766/3.4160 86.792/3.4170	2.089/0.0822	.051/.0020 .115/.0045	36.63/1.442	F780	2	2544 U/L
	Main - Centre Bearing (2 req'd per engine).								
1M2545 Std. 010 020 030 040 050 060		82.525/3.2490 82.537/3.2495	86.766/3.4160 86.792/3.4170	2.089/0.0822	.050/.0020 .115/.0045	36.62/1.442	F780	2	2545 U/L
	Thrust								
2T2545 Std.		91.310/3.5949 91.690/3.6098	112.340/4.4228 112.720/4.4378			3.17/0.125	F250	4	2545T U/L
	Small End - not bored, single pieces.								
RB4085 Semi		39.688/1.5625 39.683/1.5623	43.657/1.7188 43.692/1.7202			36.40/1.433	F100	1	RB4085
37 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
3138cc (HL3) Diesel			**3**	**107.95mm x 114.3mm**					
	Rod - 3 req'd per engine.								
1B2540 Std. 010 020 030 040 050 060		69.817/2.7487 69.830/2.7492	74.054/2.9155 74.066/2.9160	2.089/0.0822	.046/.0018 .097/.0038	36.63/1.442	F780	2	2540 IH
	Main - All positions (4 req'd per engine).								
1M2545 Std. 010 020 030 040 050 060		82.525/3.2490 82.537/3.2495	86.766/3.4160 86.792/3.4170	2.089/0.0822	.050/.0020 .115/.0045	36.62/1.442	F780	2	2545 U/L
	Thrust								
2T2545 Std.		91.310/3.5949 91.690/3.6098	112.340/4.4228 112.720/4.4378			3.17/0.125	F250	4	2545T U/L
	Small End - not bored, single pieces.								
RB4085 Semi		39.688/1.5625 39.683/1.5623	43.657/1.7188 43.692/1.7202			36.40/1.433	F100	1	RB4085

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**38**
3710cc (HA4) Diesel			**4**	**101.65mm x 114.3mm**					
3710cc (HB4) Diesel			**4**	**101.65mm x 114.3mm**					
3710cc (HW4) Diesel			**4**	**101.65mm x 114.3mm**					
Rod - 4 req'd per engine.									
	66.637/2.6235 66.650/2.6240	70.879/2.7905 70.891/2.7910	2.092/0.0824	.045/.0018 .096/.0038	38.22/1.505	F780	2	2530 IH	**1B2530** Std. 010 020 030 040 050 060
Main - All positions (5 req'd per engine).									
	76.175/2.9990 76.187/2.9995	80.416/3.1660 80.442/3.1670	2.092/0.0824	.045/.0018 .109/.0043	38.22/1.505	F780	2	2534 U/L	**1M2534** Std. 010 020 030 040 050 060
Thrust									
	83.330/3.2807 83.590/3.2909	98.750/3.8878 99.010/3.8980			2.36/0.093	F250	4	2534T U/L	**2T2534** Std.
Small End - not bored, single pieces.									
	36.507/1.4373 36.515/1.4376	40.480/1.5937 40.513/1.5950			36.75/1.447	F100	1	RB4083	**RB4083** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**39**
4184cc (HL4) Diesel			**4**	**107.95mm x 114.3mm**					
4184cc (HR4) Diesel			**4**	**107.95mm x 114.3mm**					
4184cc (HRW4) Diesel			**4**	**107.95mm x 114.3mm**					
Rod - 4 req'd per engine.									
	69.817/2.7487 69.830/2.7492	74.054/2.9155 74.066/2.9160	2.089/0.0822	.046/.0018 .097/.0038	36.63/1.442	F780	2	2540 IH	**1B2540** Std. 010 020 030 040 050 060
Main - All positions (5 req'd per engine).									
	82.525/3.2490 82.537/3.2495	86.766/3.4160 86.792/3.4170	2.089/0.0822	.050/.0020 .115/.0045	36.62/1.442	F780	2	2545 U/L	**1M2545** Std. 010 020 030 040 050 060
Thrust									
	91.310/3.5949 91.690/3.6098	112.340/4.4228 112.720/4.4378			3.17/0.125	F250	4	2545T U/L	**2T2545** Std.
Small End - not bored, single pieces.									
	39.688/1.5625 39.683/1.5623	43.657/1.7188 43.692/1.7202			36.40/1.433	F100	1	RB4085	**RB4085** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**40**
5565cc (HA6) Diesel			**6**	**101.65mm x 114.3mm**					
5565cc (HB6) Diesel			**6**	**101.65mm x 114.3mm**					
5565cc (HW6) Diesel			**6**	**101.65mm x 114.3mm**					
Rod - 6 req'd per engine.									
	66.637/2.6235 66.650/2.6240	70.879/2.7905 70.891/2.7910	2.092/0.0824	.045/.0018 .096/.0038	38.22/1.505	F780	2	2530 IH	**1B2530** Std. 010 020 030 040 050 060
Main - All positions (7 req'd per engine).									
	76.175/2.9990 76.187/2.9995	80.416/3.1660 80.442/3.1670	2.092/0.0824	.045/.0018 .109/.0043	38.22/1.505	F780	2	2534 U/L	**1M2534** Std. 010 020 030 040 050 060
Thrust									
	83.330/3.2807 83.590/3.2909	98.750/3.8878 99.010/3.8980			2.36/0.093	F250	4	2534T U/L	**2T2534** Std.
Small End - not bored, single pieces.									
	36.507/1.4373 36.515/1.4376	40.480/1.5937 40.513/1.5950			36.75/1.447	F100	1	RB4083	**RB4083** Semi

LISTER PETTER

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
41 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
6277cc (HL6) Diesel			**6**	**107.95mm x 114.3mm**					
6277cc (HLT6) Diesel			**6**	**107.95mm x 114.3mm**					
6277cc (HR6) Diesel			**6**	**107.95mm x 114.3mm**					
6277cc (HRS6) Diesel			**6**	**107.95mm x 114.3mm**					
6277cc (HRW6) Diesel			**6**	**107.95mm x 114.3mm**					
6277cc (HRWS6) Diesel			**6**	**107.95mm x 114.3mm**					
	Rod - 6 req'd per engine.								
1B2540 Std. 010 020 030 040 050 060		69.817/2.7487 69.830/2.7492	74.054/2.9155 74.066/2.9160	2.089/0.0822	.046/.0018 .097/.0038	36.63/1.442	F780	2	2540 IH
	Main - All positions (7 req'd per engine).								
1M2545 Std. 010 020 030 040 050 060		82.525/3.2490 82.537/3.2495	86.766/3.4160 86.792/3.4170	2.089/0.0822	.050/.0020 .115/.0045	36.62/1.442	F780	2	2545 U/L
	Thrust								
2T2545 Std.		91.310/3.5949 91.690/3.6098	112.340/4.4228 112.720/4.4378			3.17/0.125	F250	4	2545T U/L
	Small End - not bored, single pieces.								
RB4085 Semi		39.688/1.5625 39.683/1.5623	43.657/1.7188 43.692/1.7202			36.40/1.433	F100	1	RB4085

LOTUS ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line	Engine Disp.	Notation	VIN	Cyl.	Year	Line
95 1558cc (1.6).....			L4	62-75	1						

LOTUS MODEL INDEX

Model	CID	cc	Liter	Description	Years	Model	CID	cc	Liter	Description	Years
ELAN	95	1558	1.6		62-75	ELAN - SPRINT	95	1558	1.6		71-73
ELAN - 2	95	1558	1.6		68-74	EUROPA	95	1558	1.6		71-75
ELAN - 2S	95	1558	1.6		69-70	EUROPA - SPECIAL	95	1558	1.6		72
ELAN - 2S 130	95	1558	1.6		72-74	EUROPA - TWIN	95	1558	1.6		72-74
ELAN - S4	95	1558	1.6		68-71	SEVEN	95	1558	1.6		69-70

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**1**
95 1558cc (1.6)			**L4**	**82.5mm x 72.8mm**					
Rod - Race Series bearing.									
	49.200/1.9370 49.212/1.9375	52.896/2.0825 52.908/2.0830	1.830/0.0720	.024/.0009 .064/.0025	22.35/0.880	F781	8	5216H U/L	**4B603H** Std. 001 010 020
Rod - Race Series bearing. Bearings are 0.0005" thinner per half to give 0.001" extra clearance for standard sized crankshafts.									
	49.200/1.9370 49.212/1.9375	52.896/2.0825 52.908/2.0830	1.817/0.0715	.049/.0019 .089/.0035	22.35/0.880	F781	8	5216HX U/L	**4B603HX** Std.
Rod									
	49.200/1.9370 49.212/1.9375	52.896/2.0825 52.908/2.0830	1.835/0.0722	.015/.0006 .064/.0025	22.35/0.880	F780	8	5216 IH	**4B603P** Std. 10 20 30 40
Main - Race Series bearing.									
1-5	53.988/2.1255 54.000/2.1260	57.683/2.2710 57.696/2.2715	1.831/0.0721	.021/.0008 .062/.0024	25.52/1.005	F780	10	2152H IH	**5M2152H** Std. 001 010 020
Main - Race Series bearing. Bearings are 0.0005" thinner per half to give 0.001" extra clearance for standard sized crankshafts.									
1-5	53.988/2.1255 54.000/2.1260	57.683/2.2710 57.696/2.2715	1.818/0.0716	.046/.0018 .087/.0034	25.52/1.005	F780	10	2152HX IH	**5M2152HX** Std.
Main									
1-5	53.988/2.1255 54.000/2.1260	57.683/2.2710 57.696/2.2715	1.840/0.0724	.013/.0005 .056/.0022	25.53/1.005	F780	10	2152 IH	**5M742P** Std. 10 20 30 40
Thrust									
3	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.36/0.093	F250	2	2152T IH	**1T113S** Std. +.005
Cam Tower									
	25.400/1.0000 25.412/1.0005	28.587/1.1255 28.800/1.1339	1.584/0.0624	.007/.0003 .048/.0019	19.18/0.755	F23	16	5808 IH	**10C5808** Std.
	25.400/1.0000 25.412/1.0005	28.587/1.1255 28.600/1.1260	1.584/0.0624	.007/.0003 .048/.0019	12.82/0.505	F23	4	5809 IH	

ACL Engine Bearings

MAZDA ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1272cc (1.3).....	TC		L4	76-78	1
1296cc (1.3).....	E3		L4	80-88	2
1323cc (1.3).....	B3		L4	87-89	3
1415cc (1.4).....	UC		L4	79-80	1
1484cc (1.5).....	UA		L4	71-77	4
1489cc (1.5).....	Z5 DOHC		L4	95-98	5
1490cc (1.5).....	E5		L4	81-86	2
1490cc (1.5).....	(D5)		L4	81-86	2
1498cc (1.5).....	B5		L4	90-90	3
1586cc (1.6).....	NA		L4	70-77	6
1587cc (1.6).....	F6		L4	82-88	7
1589cc (1.6).....	16V DOHC (B6Y)		L4	99-01	8
1597cc (1.6).....	DOHC (B6)		L4	95-96	8
1597cc (1.6).....	SOHC & DOHC (B6)		L4	90-94	8
1597cc (1.6).....	SOHC (B6)		L4	86-89	8
1597cc (1.6).....	DOHC (B6T), Turbo		L4	88-89	8
1769cc (1.8).....	VC		L4	73-88	6
1789cc (1.8).....	F8		L4	82-88	7
1796cc (1.8).....	VB		L4	72-78	9
1839cc (1.8).....	DOHC (BP)		L4	95-02	8
1839cc (1.8).....	SOHC & DOHC (BP)		L4	90-94	8
1839cc (1.8).....	(FP)		L4	99-00	12
1845cc (1.8).....	K8		V6	92-95	10
1970cc (2.0).....	MA		L4	79-84	9
1985cc (2.0).....	VA		L4	71-79	11
1991cc (2.0).....	DOHC (Zetec)		L4	01-04	15
1991cc (2.0).....	FS		L4	93-02	12
1998cc (2.0).....	RF20,Diesel		L4	84-87	13
1998cc (2.0).....	FE SOHC		L4	83-88	7
1998cc (2.0).....	FE DOHC, Turbo		L4	88-90	14
1998cc (2.0).....	FE SOHC, Turbo		L4	86-87	7
2000cc (2.0).....	Duratec		L4	04-05	16
2000cc (2.0).....	FS		L4	01-03	12
2184cc (2.2).....	R2,Diesel		L4	83-88	13
2184cc (2.2).....	F2 SOHC		L4	87-93	7
2184cc (2.2).....	F2 SOHC, Turbo		L4	88-92	7
2209cc (2.2).....	S2,Diesel		L4	79-88	17
2254cc (2.3).....	KJ, Supercharged		V6	95-02	18
2260cc (2.3).....	Duratec		L4	03-06	20
2295cc (2.3).....	OHC (Ford Eng.)	A	L4	94-97	19
2492cc (2.5).....	OHC (Ford Eng.)	C	L4	98-01	19
2497cc (2.5).....	KL		V6	93-02	18
2497cc (2.5).....	KL	1	V6	96-96	18
2555cc (2.6).....	AM1 (Mits. G54B)		L4	87-88	21
2606cc (2.6).....	G6 SOHC		L4	89-94	22
2954cc (3.0).....	Duratec		V6	01-04	25
2954cc (3.0).....	JE SOHC		V6	88-98	23
2954cc (3.0).....	JE SOHC & DOHC		V6	90-95	23
2954cc (3.0).....	OHV (Ford Eng.)	U	V6	98-05	24
2968cc (3.0).....	Duratec		V6	03-05	25
2977cc (3.0).....	HA,Diesel		L4	77-90	26
2983cc (3.0).....	OHV (Ford Eng.)	U	V6	94-96	24
183 (3.0)	Duratec		V6	02-05	25
3455cc (3.5).....	SL,Diesel		L4	84-90	26
3455cc (3.5).....	SL, Turbo,Diesel		L4	84-90	26
3784cc (3.8).....	YA,Diesel		L6	69-74	28
4016cc (4.0).....	SOHC (Ford Eng.)	E	V6	01-05	29
4016cc (4.0).....	OHV (Ford Eng.)	X	V6	91-00	27
4052cc (4.0).....	XB,Diesel		L6	72-80	28
4052cc (4.0).....	ZB,Diesel		L6	72-88	28

MAZDA MODEL INDEX

Model	CID	cc	Liter	Description	Years
		2497	2.5	KL	96
1200		1586	1.6	NA	71
3		2000	2.0	Duratec	04
		2260	2.3	Duratec	04
3 - I		2000	2.0	Duratec	05
3 - S		2260	2.3	Duratec	05-06
3 - SP23		2260	2.3	Duratec	05
323		1597	1.6	DOHC	88-89
		1597	1.6	SOHC & DOHC (B6)	90-94
		1597	1.6	SOHC (B6)	86-89
323 - DX		1597	1.6	SOHC & DOHC (B6)	92-94
		1839	1.8	SOHC & DOHC (BP)	90-91
323 - LX		1839	1.8	SOHC & DOHC (BP)	90-91
323 - SE		1597	1.6	SOHC & DOHC (B6)	90-93
5 - SPORT		2260	2.3	Duratec	06
5 - TOURING		2260	2.3	Duratec	06
6		2260	2.3	Duratec	03-04
		2968	3.0	Duratec	03-04
6 - I		2260	2.3	Duratec	05-06
6 - S		2968	3.0	Duratec	05
616		1586	1.6	NA	71
618		1796	1.8	VB	72
626		1970	2.0	MA	79-83
		1991	2.0	DOHC (Zetec)	01
		1991	2.0	FS	99-01
		1998	2.0	FE SOHC	84-87
		1998	2.0	RF20	84-85
		2184	2.2	F2 SOHC	88-92
		2497	2.5	KL	99-01
626 - DX		1991	2.0	FS	93-98
		2184	2.2	F2 SOHC	90-92
626 - ES		1991	2.0	DOHC (Zetec)	02
		1991	2.0	FS	02
		2497	2.5	KL	93-02
626 - GT		2184	2.2	F2 SOHC	90-91
626 - LE		2184	2.2	F2 SOHC	91
626 - LX		1991	2.0	DOHC (Zetec)	02
		1991	2.0	FS	93-02
		2184	2.2	F2 SOHC	90-92
		2497	2.5	KL	94-02
929		2954	3.0	JE SOHC	88-89
		2954	3.0	JE SOHC & DOHC	90-95
929 - S		2954	3.0	JE SOHC & DOHC	90-91
B1600		1586	1.6	NA	72-76
B1800		1796	1.8	VB	77-78
B2000		1970	2.0	MA	79-84
		1998	2.0	FE SOHC	86-87
B2200		2184	2.2	F2 SOHC	87-93
		2209	2.2	S2	82-84
B2300		2295	2.3	OHC (Ford Eng.)	94-97
B2500		2492	2.5	OHC (Ford Eng.)	98-01
B2600		2555	2.6	AM1 (Mits. G54B)	87-88
		2606	2.6	G6 SOHC	89-93
B3000		2954	3.0	OHV (Ford Eng.)	98-05
		2983	3.0	OHV (Ford Eng.)	94-96
B4000		4016	4.0	OHV (Ford Eng.)	94-00
		4016	4.0	SOHC (Ford Eng.)	01-05
GLC		1272	1.3	TC	77-78
		1415	1.4	UC	79-80
		1490	1.5	E5	81-85
MIATA		1597	1.6	SOHC & DOHC (B6)	90-93
		1839	1.8	DOHC (BP)	95-02
		1839	1.8	SOHC & DOHC (BP)	94
MIATA - LS		1839	1.8	DOHC (BP)	02
MILLENIA		2254	2.3	KJ	99-01
		2497	2.5	KL	95-02
MILLENIA - L		2497	2.5	KL	97
MILLENIA - S		2254	2.3	KJ	95-02
MIZER		1272	1.3	TC	76-77
MPV		2606	2.6	G6 SOHC	89-94
		2497	2.5	KL	00-01
	183		3.0	Duratec	02-04
		2954	3.0	JE SOHC	89-98
		2954	3.0	JE SOHC & DOHC	90-95
MPV - ES	183		3.0	Duratec	05
MPV - LX	183		3.0	Duratec	05
MX-3		1597	1.6	DOHC (B6)	95
		1597	1.6	SOHC & DOHC (B6)	92-94
		1845	1.8	K8	92-94
MX-3 - GS		1845	1.8	K8	92-94
MX-3 - PRECEDIA		1597	1.6	DOHC (B6)	95-96
MX-6		1991	2.0	FS	93-95
		2184	2.2	F2 SOHC	88-92
MX-6 - DX		2184	2.2	F2 SOHC	91-92
MX-6 - GT		2184	2.2	F2 SOHC	88-92

MAZDA MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
MX-6 - LS		2497	2.5	KL	93-97
MX-6 - LX		2184	2.2	F2 SOHC	91-92
MX-6 - RS		1991	2.0	FS	96-97
NAVAJO - DX		4016	4.0	OHV (Ford Eng.)	92-94
NAVAJO - LX		4016	4.0	OHV (Ford Eng.)	91-94
PROTEGE		1489	1.5	Z5 DOHC	95
		1589	1.6	16V DOHC (B6Y)	99-01
		1839	1.8	DOHC (BP)	99-00
		1839	1.8	SOHC & DOHC (BP)	94
		2000	2.0	FS	01
PROTEGE - 4WD		1839	1.8	SOHC & DOHC (BP)	90-91
PROTEGE - DX		1489	1.5	Z5 DOHC	96-98
		1839	1.8	SOHC & DOHC (BP)	91-94
		2000	2.0	FS	02-03
PROTEGE - ES		1839	1.8	DOHC (BP)	95-98
		2000	2.0	FS	02-03
PROTEGE - GT		1839	1.8	SOHC & DOHC (BP)	90-91
PROTEGE - LX		1489	1.5	Z5 DOHC	96-98
		1839	1.8	SOHC & DOHC (BP)	90-94
		2000	2.0	FS	02-03
PROTEGE - MP3		2000	2.0	FS	01
PROTEGE - S		1839	1.8	DOHC (BP)	95
PROTEGE - SE		1839	1.8	SOHC & DOHC (BP)	90
PROTEGE5		2000	2.0	FS	02
TRIBUTE		1991	2.0	DOHC (Zetec)	01
		1991	2.0	FS	01
		2954	3.0	Duratec	01
TRIBUTE - DX		1991	2.0	DOHC (Zetec)	02-04
		1991	2.0	FS	02
		2954	3.0	Duratec	02
TRIBUTE - ES		2954	3.0	Duratec	02-04
TRIBUTE - LX		2954	3.0	Duratec	02-04

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
1272cc (1.3) TC			**L4**	**73mm x 76mm**	**Connecting Rod 25-29 ft.lbs/34-39 Nm**				
1415cc (1.4) UC			**L4**	**77mm x 76mm**	**Main Bearing 44-47 ft.lbs/59-64 Nm**				
Rod									
	39.939/1.5724 39.954/1.5730	43.000/1.6929 43.019/1.6937	1.509/0.0594	.028/.0011 .079/.0031	17.00/0.669	F820	8	8331AL IH	**4B8331** Std. .25 .50 .75 1.0
Main									
1-5	49.939/1.9661 49.954/1.9667	54.000/2.1260 54.020/2.1268	2.009/0.0791	.028/.0011 .079/.0031	19.00/0.748	F820	10	8334AL IH	**5M8334** Std. .25 .50 .75 1.0 1.50
Thrust									
5	57.100/2.2480 57.350/2.2579	68.580/2.7000 68.830/2.7098			2.00/0.079	F250	4	8334T U/L	**2T8334** Std.
Note: Set includes four pieces, use on No.5 position. Required with 5M8334 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
1296cc (1.3) E3			**L4**	**77mm x 69.6mm**	**Connecting Rod 22-25 ft.lbs/30-34 Nm**				
1490cc (1.5) E5			**L4**	**77mm x 80mm**	**Main Bearing 48-51 ft.lbs/66-70 Nm**				
1490cc (1.5) (D5)			**L4**	**77mm x 80mm**					
Rod									
	39.939/1.5724 39.954/1.5730	43.000/1.6929 43.019/1.6937	1.509/0.0594	.028/.0011 .079/.0031	17.00/0.669	F820	8	8331AL IH	**4B8331** Std. .25 .50 .75 1.0
Main									
1-5	49.939/1.9661 49.954/1.9667	54.000/2.1260 54.020/2.1268	2.009/0.0791	.028/.0011 .079/.0031	19.00/0.748	F820	10	8334AL IH	**5M8334** Std. .25 .50 .75 1.0 1.50
Thrust									
5	57.100/2.2480 57.350/2.2579	68.580/2.7000 68.830/2.7098			2.00/0.079	F250	4	8334T U/L	**2T8334** Std.
Note: Set includes four pieces, use on No.5 position. Required with 5M8334 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**3**
1323cc (1.3) B3			**L4**	**71mm x 83.6mm**	**Connecting Rod 21-25 ft.lbs/29-34 Nm**				
1498cc (1.5) B5			**L4**	**78mm x 78.4mm**	**Main Bearing 40-44 ft.lbs/54-59 Nm**				
Rod									
	39.939/1.5724 39.954/1.5730	43.000/1.6929 43.019/1.6937	1.509/0.0594	.028/.0011 .079/.0031	17.00/0.669	F820	8	8331AL IH	**4B8331** Std. .25 .50 .75 1.0

MAZDA

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 (Cont'd.)									
	Main - Half groove set.								
5M8353 Std. .25 .50 .75 1.0	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.010/0.0791	.022/.0009 .076/.0030	17.50/0.689	F810	5	8354A U
	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.022/.0009 .076/.0030	17.50/0.689	F810	5	8353A L
	Main - Full groove set.								
5M8354 Std. .25 .50	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.016/.0006 .070/.0028	17.50/0.689	F810	10	8354A IH
	Thrust								
1T8353 Std.	4	57.100/2.2480 (Nominal I.D.)	68.830/2.7098 (Nominal O.D.)			2.55/0.100	F250	2	8353T IH
	Note: Set includes two pieces. Required with 5M8353 main set.								

4 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1484cc (1.5) UA		**L4**	**75mm x 84mm**	**Connecting Rod 35-38 ft.lbs/47-52 Nm** **Main Bearing 61-65 ft.lbs/82-88 Nm**

	Rod								
4B1155 Std. .25 .50 .75		49.935/1.9660 49.955/1.9667	53.000/2.0866 53.020/2.0874	1.510/0.0594	.025/.0010 .081/.0034	20.90/0.823	F820	8	1155AL IH
	Main - Overflange length increases for undersizes. * See below for dimensional information.								
3M1757 Std. .25 .50 .75 1.0	1	62.940/2.4779 62.955/2.4785	67.005/2.6380 67.020/2.6386	2.008/0.0791	.034/.0013 .080/.0031	24.63/0.970	F820	2	1757AL IH
	2 (FL)	62.940/2.4779 62.955/2.4785	67.005/2.6380 67.020/2.6386	2.008/0.0791	.034/.0013 .080/.0031	36.02/1.418	F820	2	1758AL IH
	3	62.940/2.4779 62.955/2.4785	67.005/2.6380 67.020/2.6386	2.008/0.0791	.034/.0013 .080/.0031	30.13/1.186	F820	2	1759AL IH

*** DIMENSIONAL INFORMATION FOR 3M1757**

	Overall Width (Nominal)	Increase in Width
.25 u/s shaft	1.424"/36.17mm	+0.006"/0.15mm
.50 u/s shaft	1.427"/36.25mm	+0.009"/0.23mm
.75 u/s shaft	1.430"/36.32mm	+0.012"/0.30mm
1.0 u/s shaft	1.433"/36.40mm	+0.015"/0.38mm

5 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1489cc (1.5) Z5 DOHC		**L4**	**75.3mm x 83.6mm**	**Connecting Rod 22-25 ft.lbs/30-34 Nm** **Main Bearing 22-27 ft.lbs/30-37 Nm** Step 1 **Main Bearing 40-43 ft.lbs/54-58 Nm** Step 2

	Rod								
4B8331 Std. .25 .50 .75 1.0		39.939/1.5724 39.954/1.5730	43.000/1.6929 43.019/1.6937	1.509/0.0594	.028/.0011 .079/.0031	17.00/0.669	F820	8	8331AL IH
	Main								
5M8353 Std. .25 .50 .75 1.0	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.010/0.0791	.022/.0009 .076/.0030	17.50/0.689	F810	5	8354A U
	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.022/.0009 .076/.0030	17.50/0.689	F810	5	8353A L
	Thrust								
1T8353 Std.	4	57.100/2.2480 (Nominal I.D.)	68.830/2.7098 (Nominal O.D.)			2.55/0.100	F250	2	8353T IH
	Note: Set includes two pieces. Required with 5M8353 main set.								

6 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1586cc (1.6) NA		**L4**	**78mm x 83mm**	**Connecting Rod 32 ft.lbs/43 Nm**
1769cc (1.8) VC		**L4**	**80mm x 88mm**	**Main Bearing 63 ft.lbs/85 Nm**

	Rod - for engines 1970-79.								
4B1151 Std. .25 .50 .75 1.0		52.941/2.0843 52.955/2.0848	56.002/2.2048 56.017/2.2054	1.510/0.0594	.030/.0012 .086/.0034	21.97/0.865	F820	8	1151AL IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 6
Rod - For engines from 1980 on.									
	52.940/2.0842 52.955/2.0848	56.005/2.2049 56.020/2.2055	1.510/0.0594	.030/.0012 .086/.0034	20.80/0.819	F780	8	1756 IH	**4B1756** Std. .25 .50 .75 1.0
Main									
1,2,4	62.939/2.4779 62.954/2.4785	67.010/2.6382 67.018/2.6385	2.007/0.0790	.030/.0012 .071/.0028	18.00/0.709	F820	6	1627AL IH	**5M1627** Std. .25 .50 .75 1.0
3,5	62.939/2.4779 62.954/2.4785	67.010/2.6382 67.018/2.6385	2.007/0.0790	.030/.0012 .071/.0028	24.00/0.945	F820	4	1628AL U/L	
Thrust									
5	69.850/2.7500 70.010/2.7563	85.470/3.3650 85.725/3.3750			2.03/0.080	F1	4	4162T U/L	**2T4162** Std.
Note: Set includes four pieces, use on No.5 position. Required with 5M1627 main set.									
Cam									
1	44.945/1.7695 44.961/1.7701	49.009/1.9295 49.032/1.9304	2.014/0.0793	.020/.0008 .076/.0030	24.00/0.945	F23	2	8276 IH	**3C8276** Std.
2,3	44.945/1.7695 44.961/1.7701	49.009/1.9295 49.032/1.9304	2.014/0.0793	.020/.0008 .076/.0030	18.00/0.709	F23	4	8277 U/L	
Small End - not bored - single pieces.									
	22.000/0.8661 (Nominal)	25.000/0.9843 (Nominal)			28.07/1.105	F100	1	RB4017	**RB4017** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 7
1587cc (1.6) F6		**L4**	**81mm x 77mm**	**Connecting Rod 37-41 ft.lbs/50-55 Nm**
1789cc (1.8) F8		**L4**	**86mm x 77mm**	**Main Bearing 61-68 ft.lbs/82-92 Nm**
1998cc (2.0) FE SOHC		**L4**	**86mm x 86mm**	
1998cc (2.0) FE SOHC Turbo		**L4**	**86mm x 86mm**	
2184cc (2.2) F2 SOHC		**L4**	**86mm x 94mm**	
2184cc (2.2) F2 SOHC Turbo		**L4**	**86mm x 94mm**	

Rod									
	50.940/2.0055 50.955/2.0061	54.002/2.1261 54.017/2.1266	1.510/0.0594	.027/.0011 .083/.0033	21.13/0.832	F810	8	2130A IH	**4B2130** Std. .25 .50 .75 1.0
Main - for (F6 & FE engs from 4/87 on),(F8 engs from 3/88 on),(F2 engs from 1/87 on) - half groove.									
1-5	59.939/2.3598 59.954/2.3604	64.000/2.5197 64.018/2.5204	2.014/0.0793	.017/.0007 .071/.0028	19.13/0.753	F780	5	8133 L	**5M8133** Std. .25 .50 .75 1.0
1,2,4,5	59.939/2.3598 59.954/2.3604	64.000/2.5197 64.018/2.5204	2.014/0.0793	.017/.0007 .071/.0028	19.13/0.753	F780	4	8134 U	
3 (FI)	59.939/2.3598 59.954/2.3604	64.000/2.5197 64.018/2.5204	2.014/0.0793	.017/.0007 .071/.0028	27.99/1.102	F780	1	8135 U	

*Overflange length increases for undersizes. *See below for dimensional information.*

* DIMENSIONAL INFORMATION FOR 5M8133		
	Overall Width (Nominal)	**Increase in Width**
0.25 mm u/s shaft	1.106"/28.09mm	+0.004"/0.10mm
0.50 mm u/s shaft	1.109"/28.17mm	+0.007"/0.18mm
0.75 mm u/s shaft	1.112"/28.25mm	+0.010"/0.26mm
1.00 mm u/s shaft	1.115"/28.33mm	+0.013"/0.34mm

Main - for (F6 & FE engs to 3/87),(F8 engs to 2/88) - full groove.									
1,2,4,5	59.940/2.3598 59.955/2.3604	64.000/2.5197 64.019/2.5204	2.014/0.0793	.017/.0007 .071/.0028	19.13/0.753	F780	8	8134 IH	**5M8134** Std. .25 .50 .75 1.0
3 (FI)	59.940/2.3598 59.955/2.3604	64.000/2.5197 64.019/2.5204	2.014/0.0793	.017/.0007 .071/.0028	27.99/1.102	F780	1	8135 U	
3	59.940/2.3598 59.955/2.3604	64.000/2.5197 64.019/2.5204	2.014/0.0793	.017/.0007 .071/.0028	19.13/0.753	F780	1	8134 L	

*Overflange length increases for undersizes. *See below for dimensional information.*

* DIMENSIONAL INFORMATION FOR 5M8134		
	Overall Width (Nominal)	**Increase in Width**
0.25 mm u/s shaft	1.106"/28.09mm	+0.004"/0.10mm
0.50 mm u/s shaft	1.109"/28.17mm	+0.007"/0.18mm
0.75 mm u/s shaft	1.112"/28.25mm	+0.010"/0.26mm
1.00 mm u/s shaft	1.115"/28.33mm	+0.013"/0.34mm

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 (Cont'd.)									
	Main - Standard width flange version of 5M8134. (NO increase in flange width with undersize)								
5M8137 .25 .50 .75	1,2,4,5	59.940/2.3598 59.955/2.3604	64.000/2.5197 64.019/2.5204	2.014/0.0793	.017/.0007 .071/.0028	19.13/0.753	F810	8	8134A IH
	3 (Fl)	59.940/2.3598 59.955/2.3604	64.000/2.5197 64.019/2.5204	2.014/0.0793	.017/.0007 .071/.0028	27.99/1.102	F810	1	8137A U
	3	59.940/2.3598 59.955/2.3604	64.000/2.5197 64.019/2.5204	2.014/0.0793	.017/.0007 .071/.0028	19.13/0.753	F810	1	8134A L

8 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1589cc (1.6) 16V DOHC (B6Y)		**L4**	**78mm x 84mm**	**Connecting Rod 35-38 ft.lbs/47-52 Nm** (SOHC)
1597cc (1.6) DOHC (B6)		**L4**	**78mm x 84mm**	**Connecting Rod 37-40 ft.lbs/50-54 Nm** (DOHC)
1597cc (1.6) SOHC & DOHC (B6)		**L4**	**78mm x 84mm**	**Main Bearing 40-43 ft.lbs/54-58 Nm** (All engines)
1597cc (1.6) SOHC (B6)		**L4**	**78mm x 84mm**	
1597cc (1.6) DOHC (B6T) Turbo		**L4**	**78mm x 84mm**	
1839cc (1.8) DOHC (BP)		**L4**	**83mm x 85mm**	
1839cc (1.8) SOHC & DOHC (BP)		**L4**	**83mm x 85mm**	

	Rod								
4B8351 Std. .25 .50 .75 1.0		44.940/1.7693 44.956/1.7699	47.996/1.8896 48.016/1.8904	1.510/0.0594	.020/.0008 .071/.0028	17.00/0.669	F810	8	8351A IH
	Main								
5M8353 Std. .25 .50 .75 1.0	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.010/0.0791	.022/.0009 .076/.0030	17.50/0.689	F810	5	8354A U
	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.022/.0009 .076/.0030	17.50/0.689	F810	5	8353A L
	Main - Full groove set.								
5M8354 Std. .25 .50	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.016/.0006 .070/.0028	17.50/0.689	F810	10	8354A IH
	Thrust								
1T8353 Std.	4	57.100/2.2480 (Nominal I.D.)	68.830/2.7098 (Nominal O.D.)			2.55/0.100	F250	2	8353T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M8353 main set.								
	Small End - suits DOHC engines only.								
RB4108 Semi		19.993/0.7871 (Nominal)	23.000/0.9055 (Nominal)			21.80/0.858	F100	1	RB4108

9 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1796cc (1.8) VB		**L4**	**78mm x 94mm**	**Connecting Rod 30 ft.lbs/41 Nm** (1972-74 engines only)
1970cc (2.0) MA		**L4**	**80mm x 98mm**	**Connecting Rod 31 ft.lbs/42 Nm** (1975-85 engines only)
				Main Bearing 60 ft.lbs/81 Nm (1972-74 engines)
				Main Bearing 63 ft.lbs/85 Nm (1975-85 engines)

	Rod								
4B1626 Std. .25 .50 .75 1.0		52.941/2.0843 52.954/2.0848	56.002/2.2048 56.017/2.2054	1.510/0.0594	.028/.0011 .071/.0028	21.97/0.865	F820	8	1626AL IH
	Main								
5M1627 Std. .25 .50 .75 1.0	1,2,4	62.939/2.4779 62.954/2.4785	67.010/2.6382 67.018/2.6385	2.007/0.0790	.030/.0012 .071/.0028	18.00/0.709	F820	6	1627AL IH
	3,5	62.939/2.4779 62.954/2.4785	67.010/2.6382 67.018/2.6385	2.007/0.0790	.030/.0012 .071/.0028	24.00/0.945	F820	4	1628AL U/L
	Thrust								
2T4162 Std.	5	69.850/2.7500 70.010/2.7563	85.470/3.3650 85.725/3.3750			2.03/0.080	F1	4	4162T U/L
	Note: Set includes four pieces, use on No.5 position. Required with 5M1627 main set.								
	Cam								
3C8276 Std.	1	44.945/1.7695 44.961/1.7701	49.009/1.9295 49.032/1.9304	2.014/0.0793	.020/.0008 .076/.0030	24.00/0.945	F23	2	8276 IH
	2,3	44.945/1.7695 44.961/1.7701	49.009/1.9295 49.032/1.9304	2.014/0.0793	.020/.0008 .076/.0030	18.00/0.709	F23	4	8277 U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 9
Small End - not bored - single pieces.									
	22.000/0.8661 (Nominal)	25.000/0.9843 (Nominal)			28.07/1.105	F100	1	RB4017	**RB4017** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				10
1845cc (1.8) K8			**V6**	**75mm x 69.6mm**	**Connecting Rod 16-19 ft.lbs + 89-95 deg** **Main Bearing** Consult Service Manual				
Rod									
	47.935/1.8872 47.955/1.8880	51.000/2.0079 51.017/2.0085	1.512/0.0595	.021/.0008 .083/.0033	17.00/0.669	F780	12	8146 IH	**6B8146** Std. .25 .50 .75
Main									
1,2,3	61.930/2.4382 61.956/2.4392	67.000/2.6378 67.016/2.6384	2.505/0.0986	.034/.0013 .102/.0040	18.12/0.713	F780	6	8147 U/L	**4M8147** Std. .25 .50 .75
4	61.930/2.4382 61.956/2.4392	67.000/2.6378 67.016/2.6384	2.505/0.0986	.034/.0013 .102/.0040	22.12/0.871	F780	2	8148 U/L	
Thrust									
	68.250/2.6870 68.500/2.6968	79.750/3.1398 80.000/3.1496			2.05/0.081	F817	4	8352T U/L	**2T8352** Std.
Note: Set includes four pieces, use on No.4 position. Required with 4M8147 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				11
1985cc (2.0) VA			**L4**	**82mm x 94mm**	**Connecting Rod 35-38 ft.lbs/47-52 Nm** **Main Bearing 61-65 ft.lbs/82-88 Nm**				
Rod									
	52.940/2.0842 52.955/2.0848	56.005/2.2049 56.020/2.2055	1.510/0.0594	.030/.0012 .086/.0034	20.80/0.819	F780	8	1756 IH	**4B1756** Std. .25 .50 .75 1.0
Main - Overflange length increases for undersizes. * See below for dimensional information.									
1	62.940/2.4779 62.955/2.4785	67.005/2.6380 67.020/2.6386	2.008/0.0791	.034/.0013 .080/.0031	24.63/0.970	F820	2	1757AL IH	**3M1757** Std. .25 .50 .75 1.0
2 (FL)	62.940/2.4779 62.955/2.4785	67.005/2.6380 67.020/2.6386	2.008/0.0791	.034/.0013 .080/.0031	36.02/1.418	F820	2	1758AL IH	
3	62.940/2.4779 62.955/2.4785	67.005/2.6380 67.020/2.6386	2.008/0.0791	.034/.0013 .080/.0031	30.13/1.186	F820	2	1759AL IH	

*** DIMENSIONAL INFORMATION FOR 3M1757**

	Overall Width (Nominal)	Increase in Width
.25 u/s shaft	1.424"/36.17mm	+0.006"/0.15mm
.50 u/s shaft	1.427"/36.25mm	+0.009"/0.23mm
.75 u/s shaft	1.430"/36.32mm	+0.012"/0.30mm
1.0 u/s shaft	1.433"/36.40mm	+0.015"/0.38mm

Small End - not bored - single pieces.									
	22.000/0.8661 (Nominal)	25.000/0.9843 (Nominal)			28.07/1.105	F100	1	RB4017	**RB4017** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				12
1839cc (1.8) (FP)			**L4**		**Connecting Rod 16-19 ft.lbs + 90 deg**				
1991cc (2.0) FS			**L4**	**83mm x 92mm**	**Main Bearing 13-16 ft.lbs + 90 deg**				
2000cc (2.0) FS			**L4**	**83mm x 92mm**					
Rod									
	47.940/1.8874 47.955/1.8880	51.000/2.0079 51.015/2.0085	1.510/0.0594	.025/.0010 .071/.0028	17.00/0.669	F780	8	8300 IH	**4B8300** Std. .25 .50 .75 1.0
Main									
1-5	55.937/2.2022 55.955/2.2029	60.000/2.3622 60.015/2.3628	2.010/0.0791	.025/.0010 .074/.0029	17.50/0.689	F780	10	8302 U/L	**5M8302** Std. .25 .50 .75
Thrust									
4	62.000/2.4409 62.250/2.4508	81.350/3.2027 81.600/3.2126			2.55/0.100	F817	2	8302T IH	**1T8302** Std.
Note: Set includes two pieces, use on No. 4 position. Required with 5M8302 main set.									

MAZDA

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
13 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1998cc (2.0) RF20 Diesel			**L4**	**86mm x 86mm**		**Connecting Rod 37-41 ft.lbs/50-55 Nm**			
2184cc (2.2) R2 Diesel			**L4**	**86mm x 94mm**		**Main Bearing 61-68 ft.lbs/82-92 Nm**			
	Rod								
4B2130		50.940/2.0055	54.002/2.1261	1.510/0.0594	.027/.0011	21.13/0.832	F810	8	2130A
Std. .25 .50 .75 1.0		50.955/2.0061	54.017/2.1266		.083/.0033				IH
	Main								
5M2134	1,2,4,5	59.940/2.3598	63.999/2.5196	2.007/0.0790	.025/.0010	19.13/0.753	F780	8	2134
Std. .25 .50 .75 1.0		59.960/2.3606	64.019/2.5204		.091/.0036				IH
	3	59.940/2.3598	63.999/2.5196	2.007/0.0790	.025/.0010	21.13/0.832	F780	2	2135
		59.960/2.3606	64.019/2.5204		.091/.0036				IH
	Thrust								
2T2134	3	68.800/2.7087	84.250/3.3169			2.05/0.081	F250	4	2134T
Std.		(Nominal I.D.)	(Nominal O.D.)						U/L
Note: Set includes four pieces, use on No.3 position. Required with 5M2134 main set.									
	Small End - for RF engines only - not bored, single pieces.								
RB4077		24.987/0.9837	28.013/1.1029			26.75/1.053	F100	1	RB4077
Semi		25.000/0.9843	28.033/1.1037						
14 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1998cc (2.0) FE DOHC Turbo			**L4**	**86mm x 86mm**		**Connecting Rod 37-41 ft.lbs/50-55 Nm**			
						Main Bearing 61-68 ft.lbs/82-92 Nm			
	Rod								
4B8140		50.940/2.0055	54.002/2.1261	1.510/0.0594		21.13/0.832	F780	8	8140
Std. .25 .50 .75 1.0		50.955/2.0061	54.027/2.1270						IH
	Main								
5M8133	1-5	59.939/2.3598	64.000/2.5197	2.014/0.0793	.017/.0007	19.13/0.753	F780	5	8133
Std. .25 .50 .75 1.0		59.954/2.3604	64.018/2.5204		.071/.0028				L
	1,2,4,5	59.939/2.3598	64.000/2.5197	2.014/0.0793	.017/.0007	19.13/0.753	F780	4	8134
		59.954/2.3604	64.018/2.5204		.071/.0028				U
	3 (FI)	59.939/2.3598	64.000/2.5197	2.014/0.0793	.017/.0007	27.99/1.102	F780	1	8135
		59.954/2.3604	64.018/2.5204		.071/.0028				U
*Overflange length increases for undersizes. *See below for dimensional information.*									

*** DIMENSIONAL INFORMATION FOR 5M8133**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.106"/28.09mm	+0.004"/0.10mm
0.50 mm u/s shaft	1.109"/28.17mm	+0.007"/0.18mm
0.75 mm u/s shaft	1.112"/28.25mm	+0.010"/0.26mm
1.00 mm u/s shaft	1.115"/28.33mm	+0.013"/0.34mm

15 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1991cc (2.0) DOHC (Zetec)			**L4**	**84.8mm x 87.9mm**		**Connecting Rod 16-19 ft.lbs + 90 deg**			
						Main Bearing 13-16 ft.lbs + 90 deg			
	Rod - High Strength Aluminum Silicon material.								
4B4135A		46.890/1.8461	49.890/1.9642	1.475/0.0581	.030/.0012	20.10/0.791	F810	8	4135A
Std. .25 .50 .75		46.910/1.8468	49.910/1.9650		.086/.0034				IH
	Rod - .002" oversize OD version of 4B4135A.								
4B4135AO/S2		46.890/1.8461	49.940/1.9661	1.625/0.0640	.030/.0012	20.10/0.791	F810	8	9062A
.25 .50 .75		46.910/1.8468	49.960/1.9669	(@ 0.25mm u/size)	.086/.0034				IH
	Main - High Strength Aluminum Silicon material.								
5M7193A	1,2,4,5	57.980/2.2827	62.287/2.4522	2.131/0.0839	.025/.0010	19.21/0.756	F810	9	7193A
Std. .25 .50 .75		58.000/2.2835	62.300/2.4528		.074/.0029				U/L
	3 (FI)	57.980/2.2827	62.287/2.4522	2.131/0.0839	.025/.0010	24.68/0.972	F810	1	7195A
		58.000/2.2835	62.300/2.4528		.074/.0029				U

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**16**
2000cc (2.0) Duratec			**L4**	**84.8mm x 87.9mm**					
Rod									
	46.980/1.8496 47.000/1.8504	50.025/1.9695 50.045/1.9703	1.505/0.0593	.015/.0006 .075/.0030	16.25/0.640	F780	8	4390 IH	**4B4390** Std. .25 .50
Main									
1,2,4,5	51.980/2.0465 52.000/2.0472	57.019/2.2448 57.037/2.2455	2.520/0.0992	.015/.0006 .045/.0018	19.09/0.752	F810	9	8173A U/L	**5M8174A** Std. .25 .50 .75
3 (FI)	51.980/2.0465 52.000/2.0472	57.019/2.2448 57.037/2.2455	2.517/0.0991	.015/.0006 .045/.0018	25.75/1.014	F810	1	8174A U	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**17**
2209cc (2.2) S2 Diesel			**L4**	**88.9mm x 89mm**	**Connecting Rod 50-54 ft.lbs/68-73 Nm** **Main Bearing 80-85 ft.lbs/108-115 Nm**				
Rod									
	52.987/2.0861 53.000/2.0866	56.683/2.2316 56.696/2.2321	1.833/0.0722	.021/.0008 .073/.0029	28.60/1.126	F780	8	1750 IH	**4B1750** Std. .25 .50 .75 1.0
Main									
1,2,4,5	64.987/2.5585 65.000/2.5591	68.987/2.7160 69.000/2.7165	1.983/0.0781	.021/.0008 .073/.0029	28.60/1.126	F780	8	1748 IH	**5M1748** Std. .25 .50 .75
3	64.987/2.5585 65.000/2.5591	68.987/2.7160 69.000/2.7165	1.983/0.0781	.021/.0008 .073/.0029	28.60/1.126	F780	1	1748 U	
3	64.987/2.5585 65.000/2.5591	68.987/2.7160 69.000/2.7165	1.983/0.0781	.021/.0008 .073/.0029	28.60/1.126	F780	1	1749 L	
Thrust									
3	73.500/2.8937 (Nominal I.D.)	90.300/3.5551 (Nominal O.D.)			2.33/0.092	F250	4	1748T U/L	**2T1748** Std.
Note: Thrust set includes four pieces, use on No. 3 position. Required with 5M1748 main set.									
Small End - not bored, single pieces.									
	28.000/1.1024 (Nominal)	30.987/1.2200 31.000/1.2205	1.830/0.0720		26.80/1.055	F100	1	RB4068	**RB4068** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**18**
2254cc (2.3) KJ Supercharged			**V6**	**80.3mm x 74.2mm**	**Connecting Rod 16-20 ft.lbs + 83-97 deg**				
2497cc (2.5) KL			**V6**	**84.5mm x 74.2mm**	**Main Bearing** Consult Service Manual				
2497cc (2.5) KL		**1**	**V6**	**84.5mm x 74.2mm**					
Rod									
	52.935/2.0841 52.955/2.0848	56.000/2.2047 56.020/2.2055	1.511/0.0595	.023/.0009 .089/.0035	17.00/0.669	F780	12	8350 IH	**6B8350** Std. .25 .50 .75 1.0
Main									
1,2,3	61.930/2.4382 61.956/2.4392	67.000/2.6378 67.016/2.6384	2.505/0.0986	.034/.0013 .102/.0040	18.12/0.713	F780	6	8147 U/L	**4M8147** Std. .25 .50 .75
4	61.930/2.4382 61.956/2.4392	67.000/2.6378 67.016/2.6384	2.505/0.0986	.034/.0013 .102/.0040	22.12/0.871	F780	2	8148 U/L	
Thrust									
	68.250/2.6870 68.500/2.6968	79.750/3.1398 80.000/3.1496			2.05/0.081	F817	4	8352T U/L	**2T8352** Std.
Note: Thrust set includes four pieces, use on No. 4 position. Required with 4M8147 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**19**
2295cc (2.3) OHC (Ford Eng.)		**A**	**L4**	**3.78 x 3.13**	**Connecting Rod 30-36 ft.lbs/40-48 Nm**				
2492cc (2.5) OHC (Ford Eng.)		**C**	**L4**	**3.779 x 3.405**	**Main Bearing 80-90 ft.lbs/108-122 Nm**				
Rod									
	51.981/2.0465 51.999/2.0472	55.169/2.1720 55.189/2.1728	1.580/0.0624	.012/.0005 .076/.0030	20.32/0.800	F780	8	2186 IH	**4B984P** Std. 10 20 30

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
19 (Cont'd.)									
	Main								
5M1743P Std. .25 .50 .75 1.0	1-5	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.428/0.0956	.020/.0008 .066/.0026	24.13/0.950	F780	4	1753 L
	1,2,4,5	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.428/0.0956	.020/.0008 .066/.0026	24.13/0.950	F780	4	1753 U
	3 (Fl)	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.428/0.0956	.020/.0008 .066/.0026	30.33/1.194	F780	1	1754 U
	Main - Alt set to 5M1743P with +.010" overflange length increase. See dimensional information below.								
5M7194P .25 .50 .75	1-5	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.553/0.1005 (@ 0.25 mm u/s)	.020/.0008 .066/.0026	24.13/0.950	F780	5	1753 L
	1,2,4,5	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.553/0.1005 (@ 0.25 mm u/s)	.020/.0008 .066/.0026	24.13/0.950	F780	4	1753 U
	3 (Fl)	56.010/2.2051 56.030/2.2059	60.886/2.3971 60.907/2.3979	2.553/0.1005 (@ 0.25 mm u/s)	.020/.0008 .066/.0026	30.58/1.204	F780	1	7194 U
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 5M7194P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.204"	+0.010"
0.50 mm u/s shaft	1.204"	+0.010"
0.75 mm u/s shaft	1.204"	+0.010"

	Cam - Special oil control bearing - differs from OEM design. 360 OD groove.								
4C777BS Std.	1-4	44.990/1.7713 45.010/1.7720	48.275/1.9006 48.300/1.9016	1.620/0.0638		17.73/0.698	F23	4	F-34-1B
	Cam								
4C777S Std.	1-4	44.990/1.7713 45.010/1.7720	48.275/1.9006 48.300/1.9016	1.620/0.0638		17.73/0.698	F23	4	F-34-1
	AR Auxiliary - for 2.3L engines only.								
2C1095S Std.	1	41.960/1.6520 41.986/1.6530	45.644/1.7970 45.670/1.7980	1.810/0.0712		12.83/0.505	F23	1	AGB-34-1
	2	41.960/1.6520 41.986/1.6530	45.136/1.7770 45.160/1.7780	1.550/0.0612		12.83/0.505	F23	1	AGB-34-2

20 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2260cc (2.3) Duratec		**L4**	**87.4mm x 94mm**	**Connecting Rod 26 ft.lbs + 90 deg** **Main Bearing 63 ft.lbs** (Tighten thrust position last)

	Rod								
4B8170A Std. .25 .50		49.980/1.9677 50.000/1.9685	53.025/2.0876 53.045/2.0884	1.500/0.0591	.026/.0010 .052/.0020	16.80/0.661	F810	8	8170A IH
	Rod - .002" oversize OD version of 4B8170A.								
4B8170AO/S2 .25 .50 .75		49.980/1.9677 50.000/1.9685	53.076/2.0896 53.096/2.0904	1.650/0.0650 (@ 0.25mm u/s)	.026/.0010 .052/.0020	16.80/0.661	F810	8	9111A IH
	Main								
5M8174A Std. .25 .50 .75	1,2,4,5	51.980/2.0465 52.000/2.0472	57.019/2.2448 57.037/2.2455	2.520/0.0992	.015/.0006 .045/.0018	19.09/0.752	F810	9	8173A U/L
	3 (Fl)	51.980/2.0465 52.000/2.0472	57.019/2.2448 57.037/2.2455	2.517/0.0991	.015/.0006 .045/.0018	25.75/1.014	F810	1	8174A U

21 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2555cc (2.6) AM1 (Mits. G54B)		**L4**	**91.1mm x 98mm**	**Connecting Rod 33-35 ft.lbs/44-47 Nm** **Main Bearing 55-61 ft.lbs/74-83 Nm**

	Rod								
4B1136 Std. .25 .50 .75 1.0		52.973/2.0855 53.000/2.0866	56.007/2.2050 56.021/2.2055	1.493/0.0588	.021/.0008 .076/.0030	25.13/0.989	F820	8	1136AL IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 21
Main - for engines with 60mm/2.3622" main journal diameter.									
1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U	**5M1139** Std. .25 .50 .75 1.0
1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L	
3 (Fl)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	30.95/1.219	F820	2	1135AL IH	
Overflange length remains constant for standard and undersizes.									
Balance Shaft - with groove.									
2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8288	**3BS8288** Std. .25
1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289	
Balance Shaft - without groove.									
2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8369	**3BS8369** Std. .25
1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289	
Cam Tower - Includes oil holes for upper position and wide bearings for #1 position.Line bore tunnel to 1.4966"/1.4976" (38.014/38.038mm).									
1	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	22.96/0.904	F23	2	SC762 U/L	**5SC761** Std.
2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC761 U	
2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC760 L	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	22
2606cc (2.6) G6 SOHC		L4	92mm x 98mm	Connecting Rod 48-51 ft.lbs Main Bearing 61-65 ft.lbs	

Rod									
	50.940/2.0055 50.955/2.0061	54.002/2.1261 54.027/2.1270	1.510/0.0594		21.13/0.832	F780	8	8140 IH	**4B8140** Std. .25 .50 .75 1.0
Main									
1-5	59.939/2.3598 59.949/2.3602	63.998/2.5196 64.018/2.5204	2.010/0.0791	.029/.0011 .085/.0033	20.13/0.793	F780	5	8138 L	**5M8138** Std. .25 .50 .75
1,2,4,5	59.939/2.3598 59.949/2.3602	63.998/2.5196 64.018/2.5204	2.010/0.0791	.029/.0011 .085/.0033	20.13/0.793	F780	4	8138 U	
3 (Fl)	59.939/2.3598 59.949/2.3602	63.998/2.5196 64.018/2.5204	2.010/0.0791	.029/.0011 .085/.0033	26.00/1.024	F780	1	8139 U	
Overflange length remains constant for standard and undersizes.									
Balance Shaft									
Front		46.000/1.8110 46.020/1.8118	1.984/0.0781		23.11/0.910	F23	2	MZG-3-1	**6BS8033** Std.
Centre		44.000/1.7323 44.020/1.7331	1.981/0.0780		26.16/1.030	F23	2	MZG-3-2	
Rear		23.997/0.9448 24.023/0.9458	1.486/0.0585		16.13/0.635	F23	2	MZG-3-3	
Cam Tower									
1-5		32.144/1.2655	1.072/0.0422		17.78/0.700	F23	5	MZA-4-1 U VHA-1-2	**5SC6006** Std.

MAZDA

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
23 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
2954cc (3.0) JE SOHC				**V6**	**90mm x 77mm**		**Connecting Rod 22 ft.lbs + 90 deg**		
2954cc (3.0) JE SOHC & DOHC				**V6**	**90mm x 77mm**		**Main Bearing 14 ft.lbs + 90 deg + 45 deg**		
	Rod								
6B8350		52.935/2.0841	56.000/2.2047	1.511/0.0595	.023/.0009	17.00/0.669	F780	12	8350
Std. .25 .50 .75 1.0		52.955/2.0848	56.020/2.2055		.089/.0035				IH
	Main								
4M8352	1-4	61.935/2.4384	66.000/2.5984	2.012/0.0792	.021/.0008	18.13/0.714	F780	8	8352
Std. .25 .50		61.955/2.4392	66.020/2.5992		.087/.0034				U/L
	Thrust								
2T8352		68.250/2.6870	79.750/3.1398			2.05/0.081	F817	4	8352T
Std.		68.500/2.6968	80.000/3.1496						U/L
	Note: Set includes 4 pieces. Required with 4M8352 main set.								
24 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
2954cc (3.0) OHV (Ford Eng.)			**U**	**V6**	**89mm x 80mm**		**Connecting Rod 23-29 ft.lbs/31-39 Nm**		
2983cc (3.0) OHV (Ford Eng.)			**U**	**V6**	**89mm x 80mm**		**Main Bearing 63-69 ft.lbs/85-93 Nm**		
	Rod								
6B1385P		53.983/2.1253	57.150/2.2500	1.567/0.0617	.013/.0005	19.25/0.758	F780	12	5230
Std. .25 .50 .75 1.0		54.003/2.1261	57.170/2.2508		.079/.0031				IH
	Main								
4M1702P	1,2	63.983/2.5190	68.885/2.7120	2.443/0.0962	.025/.0010	18.69/0.736	F780	4	5232
Std. .25 .50 .75		64.003/2.5198	68.905/2.7128		.058/.0023				U/L
	3 (Fl)	63.983/2.5190	68.885/2.7120	2.435/0.0959	.013/.0005	25.65/1.010	F780	2	5233
		64.003/2.5198	68.903/2.7127		.076/.0030				U/L
	4	63.983/2.5190	68.885/2.7120	2.435/0.0959	.025/.0010	27.00/1.063	F780	2	5234
		64.003/2.5198	68.903/2.7127		.076/.0030				U/L
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 4M1702P with +0.004" overflange length increase for undersizes. *See below for dimensional information.								
4M5219P	1,2	63.983/2.5190	68.885/2.7120	2.443/0.0962	.025/.0010	18.69/0.736	F780	4	5232
.25 .50 .75		64.003/2.5198	68.905/2.7128		.058/.0023				U/L
	3 (Fl)	63.983/2.5190	68.885/2.7120	2.435/0.0959	.013/.0005	25.75/1.014	F780	2	5219
		64.003/2.5198	68.903/2.7127		.076/.0030				U/L
	4	63.983/2.5190	68.885/2.7120	2.435/0.0959	.025/.0010	27.00/1.063	F780	2	5234
		64.003/2.5198	68.903/2.7127		.076/.0030				U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M5219P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.014"	+0.004"
0.50 mm u/s shaft	1.014"	+0.004"
0.75 mm u/s shaft	1.014"	+0.004"

	Cam								
4C048AS	1	51.000/2.0079	54.676/2.1526	1.830/0.0720		24.38/0.960	F23	1	F-48-1
Std.		51.020/2.0087	54.727/2.1546						
	2,3	51.000/2.0079	54.176/2.1329	1.570/0.0618		13.77/0.542	F23	2	F-48-2
		51.020/2.0087	54.226/2.1349						
	4	51.000/2.0079	54.676/2.1526	1.830/0.0720		13.77/0.542	F23	1	F-48-4A
		51.020/2.0087	54.727/2.1546						
25 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
2954cc (3.0) Duratec				**V6**	**89 mm x 79.5 mm**		**Connecting Rod + 90 degrees** Step 3		
2968cc (3.0) Duratec				**V6**	**89 mm x 79.5 mm**		**Connecting Rod 17 ft.lbs/23 Nm** Step 1		
183 (3.0) Duratec				**V6**	**89 mm x 79.5 mm**		**Connecting Rod 32 ft.lbs/43 Nm** Step 2		
							Main Bearing Consult Service Manual		
	Rod - High Strength Aluminum Silicon material.								
6B4395A		49.972/1.9674	53.015/2.0872	1.501/0.0591	.023/.0009	18.00/0.709	F810	12	4395A
Std. .25 .50 .75		49.990/1.9681	53.035/2.0880		.077/.0030				

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 25
Main - High Strength Aluminum Silicon material.									
1,2,3	62.969/2.4791 62.992/2.4800	67.998/2.6771 68.020/2.6779	2.502/0.0985	.020/.0008 .060/.0024	17.90/0.705	F810	6	7262A U/L	**4M7262A** Std. .25 .50 .75
4 (FI)	62.969/2.4791 62.992/2.4800	67.998/2.6771 68.020/2.6779	2.502/0.0985	.020/.0008 .064/.0025	22.30/0.878	F810	1	7263A U/L	
	71.100/2.7992 71.350/2.8090	93.550/3.6831 93.800/3.6929			1.95/0.077			7263T	
Small End - single pieces, not bored.									
	21.011/0.8272 21.013/0.8273	24.030/0.9461 24.038/0.9464			21.46/0.845	F100	1	RB4114	**RB4114** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2977cc (3.0) HA Diesel		**L4**	**95mm x 105mm**	**Connecting Rod 55-60 ft.lbs/75-81Nm**	26
3455cc (3.5) SL Diesel		**L4**	**100mm x 110mm**	**Main Bearing 80-85 ft.lbs/108-115 Nm**	
3455cc (3.5) SL Turbo Diesel		**L4**	**100mm x 110mm**		

Rod									
	61.112/2.4060 61.125/2.4065	64.826/2.5522 64.846/2.5530	1.836/0.0723	.036/.0014 .088/.0035	28.65/1.128	F780	8	1776 IH	**4B1776** Std. .25 .50 .75 1.0
Main									
1,2,3,4,5	75.812/2.9847 75.825/2.9852	80.066/3.1522 80.092/3.1532	2.103/0.0828	.036/.0014 .100/.0039	28.60/1.126	F780	10	1777 IH	**5M1777** Std. .25 .50 .75 1.0
Thrust									
3	84.500/3.3268 (Nominal I.D.)	101.400/3.9921 (Nominal O.D.)			2.33/0.092	F250	4	1777T U/L	**2T1777** Std.
Note: Set includes 4 pieces, use on No. 3 position. Required with 5M1777 main set.									
Small End - for HA engines up to 9/80.									
	31.744/1.2498 31.749/1.2500	34.919/1.3748 34.955/1.3762	1.610/0.0634		26.80/1.055	F100	1	RB4059	**RB4059** Semi
Small End - for SL engines.									
	33.980/1.3378 34.000/1.3386	37.000/1.4567 37.025/1.4577			34.30/1.350	F100	1	RB4078	**RB4078** Semi
Small End - for HA engines 10/80 on, not bored.									
		33.000/1.2992 33.020/1.3000			34.30/1.350	F100	1	RB4088	**RB4088** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
4016cc (4.0) OHV (Ford Eng.)	**X**	**V6**	**100mm x 84mm**	**Connecting Rod 18-24 ft.lbs/25-32 Nm** **Main Bearing 66-77 ft.lbs/90-105 Nm**	27

Rod									
	53.980/2.1252 54.000/2.1260	56.820/2.2370 56.840/2.2378	1.410/0.0555	.012/.0005 .078/.0030	16.48/0.649	F780	12	1656 IH	**6B723P** Std. 10 20 30 40
Rod - .002" oversize OD version of 6B723P.									
	53.980/2.1252 54.000/2.1260	56.869/2.2390 56.891/2.2400	1.559/0.0614 (@ .010" u/s)	.005/.0002 .073/.0029	16.48/0.649	F780	12	9060 IH	**6B723PO/S2** 10 20 30 40
Main									
1,2,4 Upper	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	21.59/0.850	F780	3	1657 U	**4M2006P** Std. 10 20 30
1,2,4 Lower	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	21.59/0.850	F780	3	1663 L	
3 (FI)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	26.29/1.035	F780	2	1658 IH	
Overflange length remains constant for standard and undersizes.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
27 (Cont'd.)									
	Cam - Optional set to 4C1441S with 0.830" wide #4 cam.								
4C1441AS Std.	1	49.555/1.9510 49.581/1.9520	52.756/2.0770 52.807/2.0790	1.570/0.0619		19.80/0.780	F23	1	F-50-1
	2	49.200/1.9370 49.225/1.9380	52.375/2.0620 52.426/2.0640	1.560/0.0614		17.90/0.705	F23	1	F-50-2
	3	48.819/1.9220 48.844/1.9230	51.994/2.0470 52.045/2.0490	1.560/0.0614		17.90/0.705	F23	1	F-50-3
	4	48.438/1.9070 48.463/1.9080	51.615/2.0321 51.666/2.0341	1.560/0.0614		21.12/0.830	F23	1	F-50-4A
	Cam								
4C1441S Std.	1	49.555/1.9510 49.581/1.9520	52.756/2.0770 52.807/2.0790	1.570/0.0619		19.80/0.780	F23	1	F-50-1
	2	49.200/1.9370 49.225/1.9380	52.375/2.0620 52.426/2.0640	1.560/0.0614		17.90/0.705	F23	1	F-50-2
	3	48.819/1.9220 48.844/1.9230	51.994/2.0470 52.045/2.0490	1.560/0.0614		17.90/0.705	F23	1	F-50-3
	4	48.438/1.9070 48.463/1.9080	51.615/2.0321 51.666/2.0341	1.560/0.0614		15.10/0.595	F23	1	F-50-4

28 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
3784cc (3.8) YA Diesel		**L6**	**88.9mm x 101.6mm**	**Connecting Rod 40-45 ft.lbs/54-61Nm**
4052cc (4.0) XB Diesel		**L6**	**92mm x 101.6mm**	**Main Bearing 80-85 ft.lbs/108-115 Nm**
4052cc (4.0) ZB Diesel		**L6**	**92mm x 101.6mm**	

	Rod - for 1969 to 1980 engines only.								
6B1746 Std. .25 .50 .75 1.0		57.112/2.2485 57.125/2.2490	60.833/2.3950 60.846/2.3955	1.840/0.0724	.028/.0011 .080/.0031	28.55/1.124	F780	12	1746 IH
	Rod - for 1981 to 1988 engines only.								
6B1760 Std. .25 .50 .75 1.0		57.112/2.2485 57.125/2.2490	60.833/2.3950 60.846/2.3955	1.840/0.0724	.028/.0011 .080/.0031	28.55/1.124	F780	12	1760 IH
	Main								
7M1747 Std. .25 .50 .75 1.0	1-7	69.812/2.7485 69.825/2.7490	74.066/2.9160 74.092/2.9170	2.100/0.0827	.041/.0016 .106/.0042	28.60/1.126	F780	14	1747 IH
	Thrust								
2T1747 Std.	4	78.500/3.0905 (Nominal I.D.)	95.000/3.7402 (Nominal O.D.)			2.31/0.091	F100	4	1747T U/L
	Note: Set includes 4 pieces, use on No. 4 position. Required with 7M1747 main set.								
	Small End								
RB4059 Semi		31.744/1.2498 31.749/1.2500	34.919/1.3748 34.955/1.3762	1.610/0.0634		26.80/1.055	F100	1	RB4059

29 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
4016cc (4.0) SOHC (Ford Eng.)	**E**	**V6**	**3.95 x 3.32**	**Connecting Rod 18-24 ft.lbs/25-32 Nm** **Main Bearing 66-77 ft.lbs/89-104 Nm**

	Rod								
6B723P Std. 10 20 30 40		53.980/2.1252 54.000/2.1260	56.820/2.2370 56.840/2.2378	1.410/0.0555	.012/.0005 .078/.0030	16.48/0.649	F780	12	1656 IH
	Rod - .002" oversize OD version of 6B723P.								
6B723PO/S2 10 20 30 40		53.980/2.1252 54.000/2.1260	56.869/2.2390 56.891/2.2400	1.559/0.0614 (@ .010" u/s)	.005/.0002 .073/.0029	16.48/0.649	F780	12	9060 IH
	Main								
4M2006P Std. 10 20 30	1,2,4 Upper	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	21.59/0.850	F780	3	1657 U
	1,2,4 Lower	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	21.59/0.850	F780	3	1663 L
	3 (FI)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	26.29/1.035	F780	2	1658 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 29
AR Auxiliary									
Front		47.046/1.8522	1.549/0.0610		29.00/1.142	F23	1	FG-53-1	**2C6002S** Std.
Rear		45.903/1.8072	1.549/0.0610		22.98/0.905	F23	1	FG-53-2	

MAZDA PERFORMANCE

MAZDA PERFORMANCE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1597cc (1.6).....	SOHC/DOHC (Incl Turbo) (B6)		L4	86-01	1
1839cc (1.8).....	SOHC/DOHC (BP)		L4	90-02	1
2260cc (2.3).....	Duratec		L4	03-06	2

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1597cc (1.6) SOHC/DOHC (Incl Turbo) (B6)			**L4**	**78mm x 84mm**		**Connecting Rod 35-38 ft.lbs/47-52 Nm** (SOHC) **Connecting Rod 37-40 ft.lbs/50-54 Nm** (DOHC)			
1839cc (1.8) SOHC/DOHC (BP)			**L4**	**83mm x 85mm**		**Main Bearing 40-43 ft.lbs/54-58 Nm** (All engines)			
	Rod - Race Series.								
4B8351H Std. .025 .25		44.940/1.7693 44.956/1.7699	47.996/1.8896 48.016/1.8904	1.515/0.0596	.016/.0006 .066/.0026	17.00/0.669	F781	8	8351H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
4B8351HX Std.		44.940/1.7693 44.956/1.7699	47.996/1.8896 48.016/1.8904	1.502/0.0591	.041/.0016 .091/.0036	17.00/0.669	F781	8	8351HX IH
	Main - Race Series.								
5M8353H Std. .025 .25 .50	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.016/.0006 .070/.0028	17.83/0.702	F780	5	8353H L
	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.016/.0006 .070/.0028	17.83/0.702	F780	5	8354H U
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
5M8353HX Std.	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.000/0.0787	.041/.0016 .096/.0038	17.83/0.702	F780	5	8353HX L
	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.000/0.0787	.041/.0016 .096/.0038	17.83/0.702	F780	5	8354HX U
	Thrust								
1T8353 Std.	4	57.100/2.2480 (Nominal I.D.)	68.830/2.7098 (Nominal O.D.)			2.55/0.100	F250	2	8353T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M8353H/HX main set.								
	Small End - suits DOHC engines only.								
RB4108 Semi		19.993/0.7871 (Nominal)	23.000/0.9055 (Nominal)			21.80/0.858	F100	1	RB4108
2 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
2260cc (2.3) Duratec			**L4**	**87.4mm x 94mm**		**Connecting Rod 26 ft.lbs + 90 deg** **Main Bearing 63 ft.lbs** (Tighten thrust position last)			
	Rod - Race Series.								
4B8170H Std. .025 .25		49.980/1.9677 50.000/1.9685	53.025/2.0876 53.045/2.0884	1.500/0.0591	.026/.0010 .052/.0020	16.80/0.661	F781	8	8170H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
4B8170HX Std.		49.980/1.9677 50.000/1.9685	53.025/2.0876 53.045/2.0884	1.487/0.0585	.052/.0020 .077/.0030	16.80/0.661	F781	8	8170HX IH

MERCURY ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
98 1598cc (1.6).....	OHC	2	L4	81-85	2
98 1598cc (1.6).....	OHC	4	L4	82-85	2
98 1598cc (1.6).....	OHC	5	L4	83-84	2
98 1598cc (1.6).....	SOHC (Mazda B6)	5	L4	88-89	3
98 1598cc (1.6).....	DOHC (Mazda B6), Turbo	6	L4	91-94	3
98 1598cc (1.6).....	SOHC (Mazda B6)	7	L4	87-87	3
98 1598cc (1.6).....	OHV (Kent / Pinto)	L	L4	71-72	1
98 1598cc (1.6).....	SOHC (Mazda B6)	Z	L4	91-94	3
112 (1.8)	DOHC (Mazda BP)	8	L4	91-96	3
116 (1.9)	SOHC	9	L4	85-87	4
116 (1.9)	SOHC	J	L4	86-96	4
121 1989cc (2.0)...	DOHC (Zetec)	3	L4	95-02	8
122 1989cc (2.0)...	OHC (Pinto)		L4	71-74	6
122 1989cc (2.0)...	Mazda RF,Diesel	H	L4	84-87	7
122 1989cc (2.0)...	SOHC	P	L4	97-99	5
140 (2.3)	OHC		L4	76-77	9
140 (2.3)	OHC	6	L4	83-84	9
140 (2.3)	OHC	A	L4	80-86	9
140 (2.3)	OHV (HSC)	R	L4	84-87	10
140 (2.3)	OHV (HSC)	S	L4	85-91	10
140 (2.3)	OHC, Turbo	W	L4	79-86	9
140 (2.3)	OHV (HSC)	X	L4	85-94	10
140 (2.3)	OHC	Y	L4	75-79	9
140 (2.3)	Duratec	Z	L4	05-06	11
144 (2.4)			L6	60-63	12
155 2450cc (2.5)...	Duratec	L	V6	95-02	13
153 (2.5)	OHV (HSC)	D	L4	86-86	10
2606cc (2.6).....			V6	72-73	14
170 (2.8)			L6	61-64	12
170 (2.8)		U	L6	71-72	12
171 (2.8)			V6	74-77	14
171 (2.8)		Z	V6	75-79	14
182 (3.0)	Duratec	1	V6	05-05	13
182 (3.0)	SOHC (Nissan VG30E)	1	V6	97-98	16
182 (3.0)	Duratec	2	V6	01-04	13
182 (3.0)	Duratec	S	V6	96-05	13
182 (3.0)	OHV (Vulcan)	U	V6	86-05	15
182 (3.0)	SOHC (Nissan VG30E)	W	V6	93-96	16
3275cc (3.3).....	SOHC (Nissan VG33E)		V6	99-99	16
3275cc (3.3).....	SOHC (Nissan VG33E)	T	V6	00-02	16
200 (3.3)			L6	63-64	12
200 (3.3)	7 Main		L6	65-67	17
200 (3.3)	7 Main	B	L6	80-82	17
200 (3.3)	7 Main	T	L6	68-79	17
200 (3.3)	7 Main	X	L6	83-83	17
221 (3.6)			V8	62-63	18
232 (3.8)	OHV	3	V6	82-87	19
232 (3.8)	OHV	4	V6	87-97	19
232 (3.8)	OHV	C	V6	84-84	19
232 (3.8)	OHV, Supercharged	C	V6	89-89	19
232 (3.8)	OHV, Supercharged	R	V6	90-90	19
245 (4.0)	SOHC	E	V6	98-03	20
245 (4.0)	SOHC	K	V6	02-03	20
250 (4.1)		C	L6	80-80	21
250 (4.1)		L	L6	69-79	21
255 (4.2)		D	V8	80-82	18
256 (4.2)	OHV	2	V6	04-05	22
260 (4.3)			V8	63-64	18
281 (4.6)	SOHC	6	V8	96-96	23
281 (4.6)	SOHC	W	V8	92-05	23
289 (4.7)			V8	64-67	18
289 (4.7)		C	V8	68-68	18
302 (5.0)		F	V8	68-91	18
302 (5.0)		G	V8	69-70	18
302 (5.0)		J	V8	68-68	18
302 (5.0)		M	V8	84-86	18
302 (5.0)		P	V8	97-01	18
302 (5.0)		T	V8	91-93	18
351 (5.8)	Windsor	G	V8	80-89	24
351 (5.8)	Cleveland	H	V8	70-74	25
351 (5.8)	Modified	H	V8	75-79	26
351 (5.8)	Windsor	H	V8	69-79	24
351 (5.8)	Cleveland	M	V8	70-71	25
351 (5.8)	Windsor	M	V8	69-71	24
351 (5.8)	Cleveland	Q	V8	72-74	25
351 (5.8)	Windsor	Q	V8	72-74	24
390 (6.4)			V8	64-67	27
390 (6.4)		S	V8	68-69	27
390 (6.4)		X	V8	68-70	27
390 (6.4)		Y	V8	68-70	27
390 (6.4)		Z	V8	68-68	27
400 (6.6)		S	V8	71-78	26
410 (6.7)			V8	66-67	27
427 (7.0)			V8	65-67	27
427 (7.0)		W	V8	68-68	27
428 (7.0)			V8	66-67	27
428 (7.0)		P	V8	68-70	27
428 (7.0)		Q	V8	68-70	27
428 (7.0)		R	V8	68-70	27
429 (7.0)		C	V8	70-71	28
429 (7.0)		J	V8	71-71	28
429 (7.0)		K	V8	69-71	28
429 (7.0)		N	V8	69-73	28
429 (7.0)		Z	V8	70-70	28
460 (7.5)		A	V8	72-78	28
460 (7.5)		C	V8	73-78	28

MERCURY MODEL INDEX

Model	CID	cc	Liter	Description	Years
BOBCAT	140		2.3	OHC	75-80
	171		2.8		75-79
BREEZEWAY	390		6.4		65-67
	410		6.7		66-67
	427		7.0		65-67
	428		7.0		66-67
BROUGHAM	410		6.7		67
	427		7.0		67
	428		7.0		67
CALIENTE	200		3.3		64
	200		3.3	7 Main	65-67
	260		4.3		64
	289		4.7		64-67
	390		6.4		66-67
	427		7.0		65
CAPRI	98	1598	1.6	OHV (Kent / Pinto)	71-72
	98	1598	1.6	SOHC (Mazda B6)	91-94
	122	1989	2.0	OHC (Pinto)	71-74
	140		2.3	OHC	76-86
	200		3.3	7 Main	66-82
		2606	2.6		72-73
	171		2.8		74-79
	232		3.8	OHV	83-86
	255		4.2		80-82
	302		5.0		79-86
CAPRI - GHIA	140		2.3	OHC	79-80
CAPRI - GHIA	200		3.3	7 Main	79-80
	171		2.8		79
	255		4.2		80
	302		5.0		79
CAPRI - XR2	98	1598	1.6	DOHC (Mazda B6)	91-94
COLONY PARK	302		5.0		79-91
	351		5.8	Cleveland	71-73
	351		5.8	Modified	79
	351		5.8	Windsor	71-81
	390		6.4		64-70
	400		6.6		71-76
	410		6.7		66-67
	427		7.0		65-67
	428		7.0		66-68
	429		7.0		69-73
	460		7.5		72-76
COMET	144		2.4		60-63
	170		2.8		61-72
	200		3.3		64
	200		3.3	7 Main	65-77
	250		4.1		69-77
	260		4.3		63-64
	289		4.7		64-67
	302		5.0		68-77
	351		5.8	Windsor	69
	390		6.4		66-69

MERCURY MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
COMET	427		7.0		65-67
COMMUTER	289		4.7		67
	390		6.4		64-68
	410		6.7		66-67
	427		7.0		65-67
	428		7.0		66-68
COUGAR	121	1989	2.0	DOHC (Zetec)	99-02
	140		2.3	OHC	81-86
	200		3.3	7 Main	81-82
	155	2450	2.5	Duratec	99-02
	232		3.8	OHV	82-86
	255		4.2		81
	289		4.7		67-68
	302		5.0		68-86
	351		5.8	Cleveland	70-73
	351		5.8	Modified	75-79
	351		5.8	Windsor	69-79
	390		6.4		67-69
	400		6.6		75-78
	427		7.0		68
	428		7.0		68-70
	429		7.0		71
	460		7.5		75
COUGAR - 30TH ANNIVERSARY	232		3.8	OHV	97
	281		4.6	SOHC	97
COUGAR - BOSS 302	302		5.0		69
COUGAR - BOSS 429	429		7.0		70
COUGAR - BROUGHAM	302		5.0		77
	351		5.8	Modified	77
	351		5.8	Windsor	77
	400		6.6		77
COUGAR - BROUGHAM VILLAGER	351		5.8	Modified	77
	351		5.8	Windsor	77
	400		6.6		77
COUGAR - COBRA JET	428		7.0		69-70
	429		7.0		71
COUGAR - LS	232		3.8	OHV	87-92
	302		5.0		87-92
COUGAR - XR-7	200		3.3	7 Main	80-82
	232		3.8	OHV	82-97
	255		4.2		80-82
	281		4.6	SOHC	94-97
	289		4.7		67
	302		5.0		68-93
	351		5.8	Cleveland	70-74
	351		5.8	Modified	76-79
	351		5.8	Windsor	69-79
	390		6.4		67-69
	400		6.6		73-78
	427		7.0		68
	428		7.0		68-70
	429		7.0		71
	460		7.5		73-76
COUNTRY CRUISER	200		3.3		63
	221		3.6		63
CYCLONE	200		3.3		64
	260		4.3		64
	289		4.7		64-67
	302		5.0		68-69
	351		5.8	Cleveland	70-71
	351		5.8	Windsor	69-71
	390		6.4		66-69
	427		7.0		65-68
	428		7.0		68-69
	429		7.0		70-71
CYCLONE - CJ	302		5.0		69
	428		7.0		69
CYCLONE - GT	302		5.0		70
	351		5.8	Cleveland	70-71
	351		5.8	Windsor	70-71
	429		7.0		70-71
CYCLONE - SPOILER	351		5.8	Cleveland	71
	351		5.8	Windsor	71
	429		7.0		70-71

Model	CID	cc	Liter	Description	Years
GRAND MARQUIS	255		4.2		81-82
	281		4.6	SOHC	92-05
	302		5.0		79-91
	351		5.8	Modified	78-79
	351		5.8	Windsor	78-89
	400		6.6		75-78
	460		7.5		75-78
GRAND MARQUIS - COLONY PARK	302		5.0		83
	351		5.8	Windsor	86
LN7	98	1598	1.6	OHC	82-83
LYNX	98	1598	1.6	OHC	81-85
	116		1.9	SOHC	85-87
	122	1989	2.0	Mazda RF	84-87
LYNX - LTS	98	1598	1.6	OHC	84
LYNX - RS	98	1598	1.6	OHC	84
LYNX - XR3	116		1.9	SOHC	86-87
MARAUDER	390		6.4		64-70
	427		7.0		65
	429		7.0		69-70
MARAUDER - X-100	429		7.0		69-70
MARINER	140		2.3	Duratec	05
MARINER - CONVENIENCE	140		2.3	Duratec	06
MARINER - PREMIER	182		3.0	Duratec	05
MARQUIS	140		2.3	OHC	83-86
	200		3.3	7 Main	83
	232		3.8	OHV	83-86
	255		4.2		81-82
	302		5.0		79-85
	351		5.8	Cleveland	71-73
	351		5.8	Modified	78-79
	351		5.8	Windsor	71-81
	390		6.4		68-70
	400		6.6		71-78
	410		6.7		67
	427		7.0		67
	428		7.0		67-69
	429		7.0		69-73
	460		7.5		72-78
MARQUIS - BROUGHAM	140		2.3	OHC	83-86
	200		3.3	7 Main	83
	232		3.8	OHV	83-86
	255		4.2		81-82
	302		5.0		79-82
	351		5.8	Cleveland	71-73
	351		5.8	Modified	78-79
	351		5.8	Windsor	71-82
	390		6.4		70
	400		6.6		72-78
	429		7.0		70-73
	460		7.5		72-78
METEOR	170		2.8		61-63
	200		3.3		63
	221		3.6		62-63
MILAN	140		2.3	Duratec	06
MILAN - PREMIER	140		2.3	Duratec	06
MONARCH	200		3.3	7 Main	75-77
	250		4.1		75-80
	255		4.2		80
	302		5.0		75-80
	351		5.8	Modified	75-77
	351		5.8	Windsor	75-77
MONARCH - GHIA	250		4.1		75-77
	302		5.0		75-77
	351		5.8	Modified	75-77
	351		5.8	Windsor	75-77
MONTCLAIR	390		6.4		64-68
	410		6.7		66-67
	427		7.0		65-67
	428		7.0		66-68
MONTEGO	200		3.3	7 Main	68
	250		4.1		69-74
	302		5.0		68-74
	351		5.8	Cleveland	70-74
	351		5.8	Modified	75-76
	351		5.8	Windsor	69-76
	390		6.4		68-69

MERCURY MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
MONTEGO	400		6.6		72-76
	427		7.0		68
	428		7.0		68
	429		7.0		70-73
	460		7.5		76
MONTEGO - GT	302		5.0		72-73
	351		5.8	Cleveland	72-73
	351		5.8	Windsor	72-73
	400		6.6		72-73
	429		7.0		72-73
MONTEGO - MX	200		3.3	7 Main	68
	250		4.1		69-73
	302		5.0		68-74
	351		5.8	Cleveland	70-74
	351		5.8	Modified	75-76
	351		5.8	Windsor	69-76
	390		6.4		68-69
	400		6.6		72-76
	428		7.0		69
	429		7.0		70-73
	460		7.5		73-76
MONTEGO - MX BROUGHAM	250		4.1		70-72
	302		5.0		70-74
	351		5.8	Cleveland	70-74
	351		5.8	Modified	75-76
	351		5.8	Windsor	70-76
	400		6.6		72-76
	429		7.0		70-73
	460		7.5		74-76
MONTEGO - VILLAGER	250		4.1		70-72
	302		5.0		70-74
	351		5.8	Cleveland	70-74
	351		5.8	Modified	75-76
	351		5.8	Windsor	70-76
	400		6.6		72-76
	429		7.0		72-73
	460		7.5		74-76
MONTEREY	256		4.2	OHV	04-05
	351		5.8	Cleveland	71-73
	351		5.8	Windsor	71-73
	390		6.4		64-70
	400		6.6		71-74
	410		6.7		66-67
	427		7.0		65-67
	428		7.0		66-70
	429		7.0		69-73
	460		7.5		72-74
MONTEREY - CUSTOM	351		5.8	Cleveland	71-73
	351		5.8	Windsor	71-73
	390		6.4		69-70
	400		6.6		71-74
	428		7.0		69-70
	429		7.0		69-73
	460		7.5		72-74
MONTEREY - PREMIER	256		4.2	OHV	04
MOUNTAINEER	245		4.0	SOHC	98-03
MOUNTAINEER	281		4.6	SOHC	02-05
	302		5.0		97-01
MOUNTAINEER - PREMIER	281		4.6	SOHC	04
MYSTIQUE	121	1989	2.0	DOHC (Zetec)	99-00
	155	2450	2.5	Duratec	99-00
MYSTIQUE - GS	121	1989	2.0	DOHC (Zetec)	95-98
	155	2450	2.5	Duratec	95-98
MYSTIQUE - LS	121	1989	2.0	DOHC (Zetec)	95-98
	155	2450	2.5	Duratec	96-98
MYSTIQUE - YOUNG AMERICA	155	2450	2.5	Duratec	95
PARK LANE	390		6.4		64-68
	410		6.7		66-67
	427		7.0		65-67
	428		7.0		66-68
PARKLANE	428		7.0		68
S-55	390		6.4		66
	410		6.7		66
	427		7.0		66
	428		7.0		66
SABLE	153		2.5	OHV (HSC)	86
	182		3.0	Duratec	96-05
	182		3.0	OHV (Vulcan)	86-05
	232		3.8	OHV	88-95
TOPAZ	122	1989	2.0	Mazda RF	84-86
	140		2.3	OHV (HSC)	84-94
	182		3.0	OHV (Vulcan)	92-94
TRACER	98	1598	1.6	SOHC (Mazda B6)	87-89
	116		1.9	SOHC	91-93
	122	1989	2.0	SOHC	99
TRACER - LS	122	1989	2.0	SOHC	97-98
TRACER - LTS	112		1.8	DOHC (Mazda BP)	91-96
TRACER - TRIO	116		1.9	SOHC	94-96
	122	1989	2.0	SOHC	97-98
VILLAGER	144		2.4		62-63
	200		3.3		64
	200		3.3	7 Main	65-67
	182		3.0	SOHC (Nissan VG30E)	93-98
		3275	3.3	SOHC (Nissan VG33E)	99-02
	260		4.3		63-64
	289		4.7		64-67
	390		6.4		66-67
	427		7.0		65
VOYAGER	200		3.3	7 Main	66-67
	289		4.7		66-67
	390		6.4		66-67
ZEPHYR	140		2.3	OHC	78-82
	200		3.3	7 Main	78-82
	255		4.2		80-82
	302		5.0		78-79
ZEPHYR - GS	140		2.3	OHC	83
	200		3.3	7 Main	83
ZEPHYR - Z7	140		2.3	OHC	78-83
	200		3.3	7 Main	78-83
	255		4.2		80-81
	302		5.0		78-79

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**1**
98 1598cc (1.6) OHV (Kent / Pinto)			**L**	**L4**	**3.19 x 3.06**	**Connecting Rod 30-35 ft.lbs/41-47 Nm Main Bearing 55-60 ft.lbs/75-81 Nm**			
Rod									
	49.200/1.9370 49.212/1.9375	52.896/2.0825 52.908/2.0830	1.835/0.0722	.015/.0006 .064/.0025	22.35/0.880	F780	8	5216 IH	**4B603P** Std. 10 20 30 40
Main - .015" oversize OD version of 5M742P.									
1-5	53.988/2.1255 54.000/2.1260	58.064/2.2860 58.077/2.2865	2.027/0.0798	.013/.0005 .056/.0022	25.53/1.005	F780	10	2152+015 IH	**5M2152+015** Std. 10 20 30 40

MERCURY

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 (Cont'd.)									
	Main								
5M742P Std. 10 20 30 40	1-5	53.988/2.1255 54.000/2.1260	57.683/2.2710 57.696/2.2715	1.840/0.0724	.013/.0005 .056/.0022	25.53/1.005	F780	10	2152 IH
	Thrust								
1T113S Std. +.005	3	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.36/0.093	F250	2	2152T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 5M742P/5M2152+015 main set.								
	Cam								
3C711S Std.	1	39.616/1.5597 39.637/1.5605	42.888/1.6885 42.913/1.6895	1.610/0.0633		20.19/0.795	F23	1	F-28-1
	2	39.616/1.5597 39.637/1.5605	42.888/1.6885 42.913/1.6895	1.610/0.0633		17.53/0.690	F23	1	F-28-2
	3	39.616/1.5597 39.637/1.5605	42.888/1.6885 42.913/1.6895	1.610/0.0633		20.19/0.795	F23	1	F-28-3
	Small End - not bored - single pieces.								
RB902 Semi		20.625/0.8120 20.632/0.8123	22.327/0.8790 22.352/0.8800			26.67/1.050	F100	1	RB902
	AR Auxiliary								
1C1094S Std.	Front	41.953/1.6517 41.978/1.6527	45.072/1.7745 45.099/1.7755	1.571/0.0619	.014/.0006 .081/.0032	12.95/0.510	F23	1	FG-29

2 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
98 1598cc (1.6) OHC	**2**	**L4**	**3.156 x 3.125**	**Connecting Rod 19-25 ft.lbs/26-34 Nm**
98 1598cc (1.6) OHC	**4**	**L4**	**3.156 x 3.125**	**Main Bearing 67-80 ft.lbs/91-108 Nm**
98 1598cc (1.6) OHC	**5**	**L4**	**3.156 x 3.125**	

	Rod								
4B1276P Std. 10 20 30		47.889/1.8854 47.909/1.8862	50.889/2.0035 50.909/2.0043	1.487/0.0585	.006/.0002 .072/.0028	19.35/0.762	F780	8	5226 IH
	Main								
5M1557P Std. 10 20 30	1-5	57.981/2.2827 58.001/2.2835	62.286/2.4522 62.300/2.4528	2.138/0.0842	.010/.0004 .069/.0027	22.45/0.884	F780	9	5227 IH
	3 (FI)	57.981/2.2827 58.001/2.2835	62.286/2.4522 62.300/2.4528	2.138/0.0842	.010/.0004 .069/.0027	28.73/1.131	F780	1	5228 U
	Overflange length remains constant for standard and undersizes.								

3 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
98 1598cc (1.6) SOHC (Mazda B6)	**5**	**L4**	**78mm x 84mm**	**Connecting Rod 35-38 ft.lbs/47-52 Nm** (SOHC)
98 1598cc (1.6) DOHC (Mazda B6) Turbo	**6**	**L4**	**78mm x 84mm**	**Connecting Rod 37-40 ft.lbs/50-54 Nm** (DOHC)
98 1598cc (1.6) SOHC (Mazda B6)	**7**	**L4**	**78mm x 84mm**	**Main Bearing 40-43 ft.lbs/54-58 Nm** (All engines)
98 1598cc (1.6) SOHC (Mazda B6)	**Z**	**L4**	**78mm x 84mm**	
112 (1.8) DOHC (Mazda BP)	**8**	**L4**	**83mm x 85mm**	

	Rod								
4B8351 Std. .25 .50 .75 1.0		44.940/1.7693 44.956/1.7699	47.996/1.8896 48.016/1.8904	1.510/0.0594	.020/.0008 .071/.0028	17.00/0.669	F810	8	8351A IH
	Main								
5M8353 Std. .25 .50 .75 1.0	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.010/0.0791	.022/.0009 .076/.0030	17.50/0.689	F810	5	8354A U
	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.022/.0009 .076/.0030	17.50/0.689	F810	5	8353A L
	Main - Full groove set.								
5M8354 Std. .25 .50	1-5	49.938/1.9661 49.956/1.9668	53.998/2.1259 54.018/2.1267	2.013/0.0793	.016/.0006 .070/.0028	17.50/0.689	F810	10	8354A IH
	Thrust								
1T8353 Std.	4	57.100/2.2480 (Nominal I.D.)	68.830/2.7098 (Nominal O.D.)			2.55/0.100	F250	2	8353T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M8353 main set.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 3
Small End - suits DOHC engines only.									
	19.993/0.7871 (Nominal)	23.000/0.9055 (Nominal)			21.80/0.858	F100	1	RB4108	**RB4108** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	4
116 (1.9) SOHC	**9**	**L4**	**3.23 x 3.46**	**Connecting Rod 19-25 ft.lbs/20-34 Nm** (1985-88 engines)	
116 (1.9) SOHC	**J**	**L4**	**3.23 x 3.46**	**Connecting Rod 26-30 ft.lbs/35-40 Nm** (1989-96 engines)	
				Main Bearing 67-80 ft.lbs/90-108 Nm	

Rod - 1985-86 engines (1.8862" journal).									
	47.889/1.8854 47.909/1.8862	50.889/2.0035 50.909/2.0043	1.487/0.0585	.006/.0002 .072/.0028	19.35/0.762	F780	8	5226 IH	**4B1276P** Std. 10 20 30
Rod - 1987-96 engines (1.7287" journal). High Strength Aluminum Silicon material.									
	43.888/1.7279 43.909/1.7287	46.888/1.8460 46.909/1.8468	1.488/0.0586	.025/.0010 .071/.0028	19.50/0.768	F810	8	5231A IH	**4B1380A** Std. .25 .50
Rod - 1987-96 engines (1.7287" journal).									
	43.888/1.7279 43.909/1.7287	46.888/1.8460 46.909/1.8468	1.488/0.0586	.025/.0010 .071/.0028	19.50/0.768	F780	8	5231 IH	**4B1380P** Std. .25 .50 .75 1.0
To be superceded by 4B1380A when stock exhausted.									
Main									
1-5	57.980/2.2827 58.000/2.2835	62.286/2.4522 62.300/2.4528	2.128/0.0838	.030/.0012 .089/.0035	21.45/0.844	F780	5	5235 L	**5M1706P** Std. .25 .50 .75
1,2,4,5	57.980/2.2827 58.000/2.2835	62.286/2.4522 62.300/2.4528	2.128/0.0838	.030/.0012 .089/.0035	22.45/0.884	F780	4	5236 U	
3(FI)	57.980/2.2827 58.000/2.2835	62.286/2.4522 62.300/2.4528	2.128/0.0838	.030/.0012 .089/.0035	28.73/1.131	F780	1	5237 U	
Overflange length remains constant for standards and undersizes.									
Cam Tower									
1		48.349/1.9035	1.277/0.0503		23.50/0.925	F23	1	FA-1-1	**5C6003S** Std.
2		48.222/1.8985	1.214/0.0478		23.50/0.925	F23	1	FA-1-2	
3		48.095/1.8935	1.151/0.0453		23.50/0.925	F23	1	FA-1-3	
4		47.968/1.8885	1.087/0.0428		23.50/0.925	F23	1	FA-1-4	
5		47.841/1.8835	1.024/0.0403		23.50/0.925	F23	1	FA-1-5	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	5
122 1989cc (2.0) SOHC	**P**	**L4**	**3.338 x 3.464**	**Connecting Rod 26-30 ft.lbs/35-41 Nm**	
				Main Bearing 66-79 ft.lbs/89-107 Nm	

Rod - 1987-96 engines (1.7287" journal). High Strength Aluminum Silicon material.									
	43.888/1.7279 43.909/1.7287	46.888/1.8460 46.909/1.8468	1.488/0.0586	.025/.0010 .071/.0028	19.50/0.768	F810	8	5231A IH	**4B1380A** Std. .25 .50
Rod									
	43.888/1.7279 43.909/1.7287	46.888/1.8460 46.909/1.8468	1.488/0.0586	.025/.0010 .071/.0028	19.50/0.768	F780	8	5231 IH	**4B1380P** Std. .25 .50 .75 1.0
To be superceded by 4B1380A when stock exhausted.									
Main									
1-5	57.980/2.2827 58.000/2.2835	62.286/2.4522 62.300/2.4528	2.128/0.0838	.030/.0012 .089/.0035	21.45/0.844	F780	5	5235 L	**5M1706P** Std. .25 .50 .75
1,2,4,5	57.980/2.2827 58.000/2.2835	62.286/2.4522 62.300/2.4528	2.128/0.0838	.030/.0012 .089/.0035	22.45/0.884	F780	4	5236 U	
3(FI)	57.980/2.2827 58.000/2.2835	62.286/2.4522 62.300/2.4528	2.128/0.0838	.030/.0012 .089/.0035	28.73/1.131	F780	1	5237 U	

MERCURY

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
6 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
122 1989cc (2.0) OHC (Pinto)			**L4**	**3.58 x 3.03**		**Connecting Rod 29-34 ft.lbs/39-46 Nm Main Bearing 65-75 ft.lbs/88-102 Nm**			
	Rod								
4B943P Std. .25 .50 .75 1.0		51.990/2.0468 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.490/0.0589	.008/.0003 .064/.0025	20.00/0.787	F780	8	5220 IH
	Main								
5M1084P Std. .25 .50 .75 1.0	1-5	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.810/0.0713	.010/.0004 .066/.0026	23.57/0.928	F780	10	5221 IH
	Thrust								
2T218S Std.	3	63.600/2.5039 63.850/2.5138	80.240/3.1590 80.500/3.1693			2.35/0.093	F250	4	2167T U/L
	Cam								
3C733S Std.	1	41.990/1.6531 42.010/1.6539	45.085/1.7750 45.110/1.7760	1.520/0.0600		20.07/0.790	F23	1	F-29-1
	2	44.610/1.7563 44.630/1.7571	47.700/1.8780 47.725/1.8790	1.520/0.0600		17.02/0.670	F23	1	F-29-2
	3	44.990/1.7712 45.010/1.7720	48.082/1.8930 48.108/1.8940	1.520/0.0600		16.00/0.630	F23	1	F-29-3A
	AR Auxiliary								
1C1094S Std.	Front	41.953/1.6517 41.978/1.6527	45.072/1.7745 45.099/1.7755	1.571/0.0619	.014/.0006 .081/.0032	12.95/0.510	F23	1	FG-29
7 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
122 1989cc (2.0) Mazda RF Diesel		**H**	**L4**	**86mm x 86mm**		**Connecting Rod 51-54 ft.lbs/69-73 Nm Main Bearing 61-65 ft.lbs/83-88 Nm**			
	Rod								
4B2130 Std. .25 .50 .75 1.0		50.940/2.0055 50.955/2.0061	54.002/2.1261 54.017/2.1266	1.510/0.0594	.027/.0011 .083/.0033	21.13/0.832	F810	8	2130A IH
	Main								
5M2134 Std. .25 .50 .75 1.0	1,2,4,5	59.940/2.3598 59.960/2.3606	63.999/2.5196 64.019/2.5204	2.007/0.0790	.025/.0010 .091/.0036	19.13/0.753	F780	8	2134 IH
	3	59.940/2.3598 59.960/2.3606	63.999/2.5196 64.019/2.5204	2.007/0.0790	.025/.0010 .091/.0036	21.13/0.832	F780	2	2135 IH
	Thrust								
2T2134 Std.	3	68.800/2.7087 (Nominal I.D.)	84.250/3.3169 (Nominal O.D.)			2.05/0.081	F250	4	2134T U/L
	Note: Set includes four pieces, use on No.3 position. Required with 5M2134 main set.								
	Small End - not bored, single pieces.								
RB4077 Semi		24.987/0.9837 25.000/0.9843	28.013/1.1029 28.033/1.1037			26.75/1.053	F100	1	RB4077
8 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
121 1989cc (2.0) DOHC (Zetec)		**3**	**L4**	**84.8mm x 87.9mm**		**Connecting Rod 16-19 ft.lbs + 90 deg Main Bearing 13-16 ft.lbs + 90 deg**			
	Rod - High Strength Aluminum Silicon material.								
4B4135A Std. .25 .50 .75		46.890/1.8461 46.910/1.8468	49.890/1.9642 49.910/1.9650	1.475/0.0581	.030/.0012 .086/.0034	20.10/0.791	F810	8	4135A IH
	Rod - .002" oversize OD version of 4B4135A.								
4B4135AO/S2 .25 .50 .75		46.890/1.8461 46.910/1.8468	49.940/1.9661 49.960/1.9669	1.625/0.0640 (@ 0.25mm u/size)	.030/.0012 .086/.0034	20.10/0.791	F810	8	9062A IH
	Main - High Strength Aluminum Silicon material.								
5M7193A Std. .25 .50 .75	1,2,4,5	57.980/2.2827 58.000/2.2835	62.287/2.4522 62.300/2.4528	2.131/0.0839	.025/.0010 .074/.0029	19.21/0.756	F810	9	7193A U/L
	3 (Fl)	57.980/2.2827 58.000/2.2835	62.287/2.4522 62.300/2.4528	2.131/0.0839	.025/.0010 .074/.0029	24.68/0.972	F810	1	7195A U

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**9**
140 (2.3) OHC			**L4**	**3.78 x 3.13**	**Connecting Rod 30-36 ft.lbs/40-48 Nm**				
140 (2.3) OHC		**6**	**L4**	**3.78 x 3.13**	**Main Bearing 80-90 ft.lbs/108-122 Nm**				
140 (2.3) OHC		**A**	**L4**	**3.78 x 3.13**					
140 (2.3) OHC Turbo		**W**	**L4**	**3.78 x 3.13**					
140 (2.3) OHC		**Y**	**L4**	**3.78 x 3.13**					
Rod									
	51.981/2.0465 51.999/2.0472	55.169/2.1720 55.189/2.1728	1.580/0.0624	.012/.0005 .076/.0030	20.32/0.800	F780	8	2186 IH	**4B984P** Std. 10 20 30
Main - full groove.									
1,2,4,5	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.012/.0005 .078/.0031	24.13/0.950	F780	8	2185 U/L	**5M1117P** Std. 10 20 30 40
3 (FI)	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.012/.0005 .078/.0031	30.35/1.195	F780	2	2187 U/L	
Overflange length remains constant for standard and undersizes.									
Cam - Special oil control bearing - differs from OEM design. 360 OD groove.									
1-4	44.990/1.7713 45.010/1.7720	48.275/1.9006 48.300/1.9016	1.620/0.0638		17.73/0.698	F23	4	F-34-1B	**4C777BS** Std.
Cam									
1-4	44.990/1.7713 45.010/1.7720	48.275/1.9006 48.300/1.9016	1.620/0.0638		17.73/0.698	F23	4	F-34-1	**4C777S** Std.
AR Auxiliary									
1	41.960/1.6520 41.986/1.6530	45.644/1.7970 45.670/1.7980	1.810/0.0712		12.83/0.505	F23	1	AGB-34-1	**2C1095S** Std.
2	41.960/1.6520 41.986/1.6530	45.136/1.7770 45.160/1.7780	1.550/0.0612		12.83/0.505	F23	1	AGB-34-2	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**10**
140 (2.3) OHV (HSC)		**R**	**L4**	**3.78 x 3.13**	**Connecting Rod 21-26 ft.lbs/29-35 Nm**				
140 (2.3) OHV (HSC)		**S**	**L4**	**3.78 x 3.13**	**Main Bearing 51-66 ft.lbs/69-90 Nm**				
140 (2.3) OHV (HSC)		**X**	**L4**	**3.78 x 3.13**					
153 (2.5) OHV (HSC)		**D**	**L4**	**3.78 x 3.58**					
Rod - 1986-94 engines only.									
	53.929/2.1232 53.950/2.1240	56.871/2.2390 56.891/2.2398	1.458/0.0574	.005/.0002 .071/.0028	20.57/0.810	F780	8	5240 IH	**4B1383P** Std. 10 20 30
Rod - 1984-85 engines only.									
	53.934/2.1234 53.945/2.1238	56.871/2.2390 56.891/2.2398	1.458/0.0574	.010/.0004 .066/.0026	20.57/0.810	F780	8	2150 IH	**4B583P** Std. 10 20 30
Main									
1	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .071/.0028	25.90/1.020	F780	1	5223 U	**5M1629P** Std. 10 20 30
2,4,5	57.109/2.2484 57.119/2.2488	60.995/2.4014 61.006/2.4018	1.928/0.0759	.020/.0008 .056/.0022	25.90/1.020	F780	3	2126 U	
1-5	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .071/.0028	25.90/1.020	F780	5	5224 L	
3 (FI)	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .076/.0030	32.28/1.271	F780	1	2127 U	
Overflange length remains constant for standard and undersizes.									

MERCURY

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
10 (Cont'd.)									
	Main - optional set to 5M1629P with +.004" overflange length increase for underizes. *See below for dimensional information.								
5M5222P 20	1	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .071/.0028	25.90/1.020	F780	1	5223 U
	2,4,5	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.020/.0008 .056/.0022	25.90/1.020	F780	3	2126 U
	1-5	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .071/.0028	25.90/1.020	F780	5	5224 L
	3 (FI)	57.104/2.2482 57.125/2.2490	60.990/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .076/.0030	32.39/1.275	F780	1	5222 U
	To be discontinued when stock exhausted.								
	*** DIMENSIONAL INFORMATION FOR 5M5222P**								
		.020" u/s shaft		**Overall Width (Nominal)** 1.275"		**Increase in Width** +.004"			
	Cam								
4C1251S Std.	1	50.988/2.0074 51.013/2.0084	55.988/2.2042 56.012/2.2052	2.470/0.0973		18.42/0.725	F23	1	F-46-1
	2,3	50.988/2.0074 51.013/2.0084	55.588/2.1885 55.613/2.1895	2.270/0.0894		18.42/0.725	F23	2	F-46-2
	4	50.988/2.0074 51.013/2.0084	55.988/2.2042 56.012/2.2052	2.470/0.0973		12.90/0.508	F23	1	F-46-3

11 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
140 (2.3) Duratec	**Z**	**L4**	**87.4mm x 94mm**	**Connecting Rod 26 ft.lbs + 90 deg** **Main Bearing 63 ft.lbs** (Tighten thrust position last)

	Rod								
4B8170A Std. .25 .50		49.980/1.9677 50.000/1.9685	53.025/2.0876 53.045/2.0884	1.500/0.0591	.026/.0010 .052/.0020	16.80/0.661	F810	8	8170A IH
	Rod - .002" oversize OD version of 4B8170A.								
4B8170AO/S2 .25 .50 .75		49.980/1.9677 50.000/1.9685	53.076/2.0896 53.096/2.0904	1.650/0.0650 (@ 0.25mm u/s)	.026/.0010 .052/.0020	16.80/0.661	F810	8	9111A IH
	Main								
5M8174A Std. .25 .50 .75	1,2,4,5	51.980/2.0465 52.000/2.0472	57.019/2.2448 57.037/2.2455	2.520/0.0992	.015/.0006 .045/.0018	19.09/0.752	F810	9	8173A U/L
	3 (FI)	51.980/2.0465 52.000/2.0472	57.019/2.2448 57.037/2.2455	2.517/0.0991	.015/.0006 .045/.0018	25.75/1.014	F810	1	8174A U

12 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
144 (2.4)		**L6**	**3.50 x 2.50**	**Connecting Rod 19-24 ft.lbs/26-32 Nm**
170 (2.8)		**L6**	**3.50 x 2.94**	**Main Bearing 60-70 ft.lbs/81-95 Nm**
170 (2.8)	**U**	**L6**	**3.50 x 2.94**	
200 (3.3)		**L6**	**3.68 x 3.13**	

	Rod								
6B583P Std. 10 20 30 40		53.934/2.1234 53.945/2.1238	56.871/2.2390 56.891/2.2398	1.458/0.0574	.010/.0004 .067/.0026	20.57/0.810	F780	12	2150 IH
	Cam								
4C703S Std.	1	45.960/1.8095 45.985/1.8105	50.241/1.9780 50.267/1.9790	2.110/0.0832		18.42/0.725	F23	1	F-32-1
	2	45.960/1.8095 45.985/1.8105	49.860/1.9630 49.886/1.9640	1.920/0.0757		18.42/0.725	F23	1	F-17-2
	3	45.960/1.8095 45.985/1.8105	49.479/1.9480 49.505/1.9490	1.730/0.0682		18.42/0.725	F23	1	F-17-3
	4	45.960/1.8095 45.985/1.8105	49.098/1.9330 49.124/1.9340	1.540/0.0607		18.42/0.725	F23	1	F-17-4

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** | **13**

155 2450cc (2.5) Duratec | **L** | **V6** | **3.24 x 3.13** | **Connecting Rod + 90 degrees** Step 3
182 (3.0) Duratec | **1** | **V6** | **3.24 x 3.13** | **Connecting Rod 17 ft.lbs/23 Nm** Step 1
182 (3.0) Duratec | **2** | **V6** | **3.24 x 3.13** | **Connecting Rod 32 ft.lbs/43 Nm** Step 2
182 (3.0) Duratec | **S** | **V6** | **3.24 x 3.13** | **Main Bearing** Consult Service Manual

Rod - High Strength Aluminum Silicon material.

	49.972/1.9674 49.990/1.9681	53.015/2.0872 53.035/2.0880	1.501/0.0591	.023/.0009 .077/.0030	18.00/0.709	F810	12	4395A	**6B4395A** Std. .25 .50 .75

Rod - .002" oversize OD version of 6B4395A.

	49.972/1.9674 49.990/1.9681	53.066/2.0892 53.086/2.0900	1.651/0.0650 (@0.25mm u/s)	.023/.0009 .077/.0030	18.00/0.709	F810	12	9082A IH	**6B4395AO/S2** .25 .50 .75

Main - High Strength Aluminum Silicon material.

1,2,3	62.969/2.4791 62.992/2.4800	67.998/2.6771 68.020/2.6779	2.502/0.0985	.020/.0008 .060/.0024	17.90/0.705	F810	6	7262A U/L	**4M7262A** Std. .25 .50 .75
4 (FI)	62.969/2.4791 62.992/2.4800	67.998/2.6771 68.020/2.6779	2.502/0.0985	.020/.0008 .064/.0025	22.30/0.878	F810	1	7263A U/L	
	71.100/2.7992 71.350/2.8090	93.550/3.6831 93.800/3.6929			1.95/0.077			7263T	

Small End - not bored, single pieces.

	21.011/0.8272 21.013/0.8273	24.030/0.9461 24.038/0.9464			21.46/0.845	F100	1	RB4114	**RB4114** Semi

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** | **14**

2606cc (2.6) | | **V6** | **3.54 x 2.63** | **Connecting Rod 21-25 ft.lbs/29-34 Nm**
171 (2.8) | | **V6** | **3.66 x 2.71** | **Main Bearing 65-75 ft.lbs/88-102 Nm**
171 (2.8) | **Z** | **V6** | **3.66 x 2.71**

Rod

	53.980/2.1252 54.000/2.1260	56.820/2.2370 56.840/2.2378	1.410/0.0555	.012/.0005 .078/.0030	16.48/0.649	F780	12	1656 IH	**6B723P** Std. 10 20 30 40

Rod - .002" oversize OD version of 6B723P.

	53.980/2.1252 54.000/2.1260	56.869/2.2390 56.891/2.2400	1.559/0.0614 (@ .010" u/s)	.005/.0002 .073/.0029	16.48/0.649	F780	12	9060 IH	**6B723PO/S2** 10 20 30 40

Main - 171 engines 5/1/74 to 79 only. All straight main bearings.

1,2,3,4	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .070/.0028	21.59/0.850	F780	8	1657 IH	**4M1346P** Std. 10 20 30 40

Main - optional set to 4M860P with +0.010" overflange length increase for undersizes. *See below for dimensional information.

1,2,4	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	21.59/0.850	F780	6	1657 IH	**4M2351P** 10 20 30 40
3 (FI)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	26.54/1.045	F780	2	1655 IH	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M2351P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.045"	+0.010"
.020" u/s shaft	1.045"	+0.010"
.030" u/s shaft	1.045"	+0.010"
.040" u/s shaft	1.045"	+0.010"

Main - optional set to 4M860P with +0.020" overflange length increase for undersizes. *See below for dimensional information.

1,2,4	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	21.59/0.850	F780	6	1657 IH	**4M2352P** 20 30
3 (FI)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	26.80/1.055	F780	2	1659 IH	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 4M2352P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.055"	+0.020"
.030" u/s shaft	1.055"	+0.020"

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
14 (Cont'd.)									
	Main - for engines from 1972 to 5/1/74. All engines with flanged main bearings.								
4M860P Std. 10 20 30 40	1,2,4	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	21.59/0.850	F780	6	1657 IH
	3 (Fl)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3873	1.800/0.0709	.014/.0006 .071/.0028	26.29/1.035	F780	2	1658 IH
	Overflange length remains constant for standard and undersizes.								
	Thrust								
2T325S Std.	3	63.855/2.5140 (Nominal)	80.493/3.1690 (Nominal)			2.35/0.093	F250	2	2167T U
	Note: Thrust set includes four pieces, use on No. 3 position. Required with 4M1346P main set.								
	Cam - 1972-79 engines only.								
4C654S Std.	1	41.897/1.6495 41.923/1.6505	45.030/1.7728 45.060/1.7740	1.530/0.0604		19.80/0.780	F23	1	F-31-1
	2	41.516/1.6345 41.542/1.6355	44.653/1.7580 44.679/1.7590	1.530/0.0604		17.91/0.705	F23	1	F-31-2
	3	41.135/1.6195 41.160/1.6205	44.272/1.7430 44.298/1.7440	1.530/0.0604		17.91/0.705	F23	1	F-31-3
	4	40.755/1.6045 40.780/1.6055	43.890/1.7280 43.917/1.7290	1.530/0.0604		15.25/0.600	F23	1	F-31-4
15 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
182 (3.0) OHV (Vulcan)		**U**	**V6**	**3.50 x 3.15**		**Connecting Rod 23-29 ft.lbs/31-39 Nm Main Bearing 63-69 ft.lbs/85-93 Nm**			
	Rod								
6B1385P Std. .25 .50 .75 1.0		53.983/2.1253 54.003/2.1261	57.150/2.2500 57.170/2.2508	1.567/0.0617	.013/.0005 .079/.0031	19.25/0.758	F780	12	5230 IH
	Main								
4M1702P Std. .25 .50 .75	1,2	63.983/2.5190 64.003/2.5198	68.885/2.7120 68.905/2.7128	2.443/0.0962	.025/.0010 .058/.0023	18.69/0.736	F780	4	5232 U/L
	3 (Fl)	63.983/2.5190 64.003/2.5198	68.885/2.7120 68.903/2.7127	2.435/0.0959	.013/.0005 .076/.0030	25.65/1.010	F780	2	5233 U/L
	4	63.983/2.5190 64.003/2.5198	68.885/2.7120 68.903/2.7127	2.435/0.0959	.025/.0010 .076/.0030	27.00/1.063	F780	2	5234 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 4M1702P with +0.004" overflange length increase for undersizes. *See below for dimensional information.								
4M5219P .25 .50 .75	1,2	63.983/2.5190 64.003/2.5198	68.885/2.7120 68.905/2.7128	2.443/0.0962	.025/.0010 .058/.0023	18.69/0.736	F780	4	5232 U/L
	3 (Fl)	63.983/2.5190 64.003/2.5198	68.885/2.7120 68.903/2.7127	2.435/0.0959	.013/.0005 .076/.0030	25.75/1.014	F780	2	5219 U/L
	4	63.983/2.5190 64.003/2.5198	68.885/2.7120 68.903/2.7127	2.435/0.0959	.025/.0010 .076/.0030	27.00/1.063	F780	2	5234 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M5219P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.014"	+0.004"
0.50 mm u/s shaft	1.014"	+0.004"
0.75 mm u/s shaft	1.014"	+0.004"

	Cam - has modified #4 position bearing.								
4C048AS Std.	1	51.000/2.0079 51.020/2.0087	54.676/2.1526 54.727/2.1546	1.830/0.0720		24.38/0.960	F23	1	F-48-1
	2,3	51.000/2.0079 51.020/2.0087	54.176/2.1329 54.226/2.1349	1.570/0.0618		13.77/0.542	F23	2	F-48-2
	4	51.000/2.0079 51.020/2.0087	54.676/2.1526 54.727/2.1546	1.830/0.0720		13.77/0.542	F23	1	F-48-4A

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 15
Cam - use 4C048AS when stock depleted.									
1	51.000/2.0079 51.020/2.0086	54.676/2.1526 54.727/2.1546	1.830/0.0719		24.38/0.960	F23	1	F-48-1	**4C048S** S/C by 4C048AS
2,3	51.000/2.0079 51.020/2.0086	54.176/2.1329 54.226/2.1349	1.570/0.0620		13.77/0.542	F23	2	F-48-2	
4	51.000/2.0079 51.020/2.0086	54.676/2.1526 54.727/2.1546	1.830/0.0719		13.77/0.542	F23	1	F-48-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
182 (3.0) SOHC (Nissan VG30E)	**1**	**V6**	**87mm x 83mm**	**Connecting Rod 33-40 ft.lbs/45-54 Nm**
182 (3.0) SOHC (Nissan VG30E)	**W**	**V6**	**87mm x 83mm**	**Main Bearing 67-74 ft.lbs/91-100 Nm**
3275cc (3.3) SOHC (Nissan VG33E)		**V6**	**92mm x 83mm**	
3275cc (3.3) SOHC (Nissan VG33E)	**T**	**V6**	**92mm x 83mm**	

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod									
	49.961/1.9670 49.974/1.9675	53.000/2.0866 53.011/2.0870	1.506/0.0593	.014/.0006 .064/.0025	17.09/0.673	F780	12	2390 IH	**6B2390** Std. .25 .50 .75 1.0
Main									
1	62.951/2.4784 62.974/2.4793	66.645/2.6238 66.657/2.6243	1.829/0.0720	.028/.0011 .099/.0039	22.50/0.886	F780	2	2777 U/L	**4M2777** Std. .25 .50 .75 1.0
2,3	62.951/2.4784 62.974/2.4793	66.645/2.6238 66.657/2.6243	1.829/0.0720	.028/.0011 .099/.0039	19.00/0.748	F780	4	2778 U/L	
4 (FI)	62.951/2.4784 62.974/2.4793	66.645/2.6238 66.657/2.6243	1.829/0.0720	.028/.0011 .099/.0039	28.85/1.136	F780	2	2779 U/L	

Overflange length remains constant for standard and undersizes.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
200 (3.3) 7 Main		**L6**	**3.68 x 3.13**	**Connecting Rod 19-24 ft.lbs/26-32 Nm**
200 (3.3) 7 Main	**B**	**L6**	**3.68 x 3.13**	**Main Bearing 60-70 ft.lbs/81-95 Nm**
200 (3.3) 7 Main	**T**	**L6**	**3.68 x 3.13**	
200 (3.3) 7 Main	**X**	**L6**	**3.68 x 3.13**	

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod									
	53.934/2.1234 53.945/2.1238	56.871/2.2390 56.891/2.2398	1.458/0.0574	.010/.0004 .067/.0026	20.57/0.810	F780	12	2150 IH	**6B583P** Std. 10 20 30 40
Main - half groove for 75-83 engines only.									
1-4,6,7	57.109/2.2484 57.119/2.2488	60.991/2.4012 61.011/2.4020	1.928/0.0759	.020/.0008 .057/.0022	25.90/1.020	F780	6	2126 U	**7M1389P** Std. 10 20 30 40
1-4,6,7	57.109/2.2484 57.119/2.2488	60.991/2.4012 61.011/2.4020	1.928/0.0759	.020/.0008 .057/.0022	25.90/1.020	F780	6	5224 L	
5 (FI)	57.104/2.2482 57.124/2.2490	60.991/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .077/.0030	32.28/1.271	F780	1	2127 U	
5 (FI)	57.104/2.2482 57.125/2.2490	60.991/2.4012 61.011/2.4020	1.928/0.0759	.010/.0004 .077/.0030	32.28/1.271	F780	1	2125 L	

Overflange length remains constant for standard and undersizes.

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Main - full groove for 65-75 engines only.									
1-4,6,7	57.109/2.2484 57.119/2.2488	60.995/2.4014 61.006/2.4018	1.928/0.0759	.020/.0008 .057/.0022	25.90/1.020	F780	12	2126 IH	**7M771P** Std. 10 20 30 40
5 (FI)	57.109/2.2484 57.119/2.2488	60.995/2.4014 61.006/2.4018	1.928/0.0759	.020/.0008 .057/.0022	32.28/1.271	F780	2	2127 IH	

Overflange length remains constant for standard and undersizes.

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
17 (Cont'd.)									
	Cam								
4C703S Std.	1	45.960/1.8095 45.985/1.8105	50.241/1.9780 50.267/1.9790	2.110/0.0832		18.42/0.725	F23	1	F-32-1
	2	45.960/1.8095 45.985/1.8105	49.860/1.9630 49.886/1.9640	1.920/0.0757		18.42/0.725	F23	1	F-17-2
	3	45.960/1.8095 45.985/1.8105	49.479/1.9480 49.505/1.9490	1.730/0.0682		18.42/0.725	F23	1	F-17-3
	4	45.960/1.8095 45.985/1.8105	49.098/1.9330 49.124/1.9340	1.540/0.0607		18.42/0.725	F23	1	F-17-4

18 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
221 (3.6)		**V8**	**3.50 x 2.87**	**Connecting Rod 19-24 ft.lbs/26-32 Nm**
255 (4.2)	**D**	**V8**	**3.68 x 3.00**	**Main Bearing 60-70 ft.lbs/81-95 Nm**
260 (4.3)		**V8**	**3.80 x 2.87**	
289 (4.7)		**V8**	**4.00 x 2.87**	
289 (4.7)	**C**	**V8**	**4.00 x 2.87**	
302 (5.0)	**F**	**V8**	**4.00 x 3.00**	
302 (5.0)	**G**	**V8**	**4.00 x 3.00**	
302 (5.0)	**J**	**V8**	**4.00 x 3.00**	
302 (5.0)	**M**	**V8**	**4.00 x 3.00**	
302 (5.0)	**P**	**V8**	**4.00 x 3.00**	
302 (5.0)	**T**	**V8**	**4.00 x 3.00**	

	Rod - High Strength Aluminum Silicon material.								
8B634A Std. 01 10 20 30 40		53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.458/0.0574	.016/.0006 .081/.0032	18.44/0.726	F810	16	2131A
	Rod - .002" oversize OD version of 8B634A.								
8B634AO/S2 10 20 30 40		53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.610/0.0634 (@ .010" u/s)	.016/.0006 .081/.0032	18.44/0.726	F810	16	9030A IH
	Rod								
8B634P Std. 01 10 20 30 40		53.919/2.1228 53.939/2.1236	56.871/2.2390 56.891/2.2398	1.458/0.0574	.016/.0006 .081/.0032	18.44/0.726	F780	16	2131 IH
	Rod - .002" oversize OD version of 8B634P.								
8B634PO/S2 10 20 30 40		53.919/2.1228 53.939/2.1236	56.922/2.2410 56.942/2.2418	1.610/0.0634 (@ .010" u/s)	.017/.0007 .083/.0033	18.44/0.726	F780	16	9030 IH
	Main - optional set to 5M590P with +0.020" overflange length increase for undersizes. *See below for dimensional information.								
5M1666P 10 20 30 40	1,2,3,4	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	22.48/0.885	F780	8	2132 U/L
	3 (Fl)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	29.28/1.153	F780	2	2145 U/L

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M1666P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.153"	+0.020"
.020" u/s shaft	1.153"	+0.020"
.030" u/s shaft	1.153"	+0.020"
.040" u/s shaft	1.153"	+.0.020"

	Main - optional set to 5M590P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
5M1746P 10 20 30 40	1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	22.48/0.885	F780	8	2132 U/L
	3 (Fl)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	29.03/1.143	F780	2	2139 U/L

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M1746P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 18
Main - optional set to 5M590P with +0.004" overflange length increase for undersizes. *See below for dimensional information.									
1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.563/0.1009 (@ .010" u/s)	.005/.0002 .073/.0029	22.48/0.885	F780	8	2132 U/L	**5M2144P** 10 20 30
3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.563/0.1009 (@ .010" u/s)	.005/.0002 .073/.0029	28.88/1.137	F780	2	2144 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 5M2144P**

	Overall Width (Nominal)	Increase in Width
+.010" u/s shaft	1.137"	+0.004"
+.020" u/s shaft	1.137"	+0.004"
+.030" u/s shaft	1.137"	+0.004"

Main - High Strength Aluminum Silicon material.									
1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	22.48/0.885	F810	8	2132A U/L	**5M590A** Std. 01 10 20 30 40
3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	28.78/1.133	F810	2	2133A U/L	
Main - half groove.									
1,2,4,5	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	22.48/0.885	F780	8	2132 U/L	**5M590P** Std. 01 10 20 30 40
3 (FI)	57.104/2.2482 57.125/2.2490	62.006/2.4412 62.027/2.4420	2.438/0.0960	.005/.0002 .073/.0029	28.78/1.133	F780	2	2133 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	52.845/2.0805 52.870/2.0815	55.982/2.2040 56.007/2.2050	1.530/0.0602		16.89/0.665	F23	1	F-18-1	**5C510S** Std.
2	52.464/2.0655 52.490/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2	
3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3	
4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4	
5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5	

ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS** **19**
232 (3.8) OHV	**3**	**V6**	**97mm x 86mm**	**Connecting Rod 31-36 ft.lbs/42-48 Nm**
232 (3.8) OHV	**4**	**V6**	**97mm x 86mm**	**Main Bearing 65-81 ft.lbs/88-110 Nm**
232 (3.8) OHV	**C**	**V6**	**97mm x 86mm**	
232 (3.8) OHV Supercharged	**C**	**V6**	**97mm x 86mm**	
232 (3.8) OHV Supercharged	**R**	**V6**	**97mm x 86mm**	

Rod - for engines 1982-1995 only.									
	58.674/2.3100 58.699/2.3110	61.636/2.4266 61.656/2.4274	1.462/0.0576	.013/.0005 .084/.0033	17.06/0.672	F780	12	5200 IH	**6B1283P** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 6B1283P.									
	58.674/2.3100 58.699/2.3110	61.687/2.4286 61.707/2.4294	1.614/0.0635 (@ 0.25 mm u/s)	.014/.0006 .085/.0033	17.06/0.672	F780	12	9055 IH	**6B1283PO/S2** .25 .50 .75
Rod - for engines 1996-97 only - High Strength Aluminum Silicon material.									
	58.682/2.3103 58.702/2.3111	61.630/2.4264 61.648/2.4271	1.460/0.0575	.013/.0005 .065/.0026	19.90/0.783	F810	12	4500A IH	**6B4500A** Std. .25 .50 .75
Rod - .002" oversize OD version of 6B4500A.									
	58.682/2.3103 58.702/2.3111	61.630/2.4264 61.648/2.4271	1.587/0.0625 (@ .25 mm u/s)	.013/.0005 .065/.0026	19.90/0.783	F810	12	9081A IH	**6B4500AO/S2** .25 .50 .75
Rod - for engines 1996-97 only.									
	58.682/2.3103 58.702/2.3111	61.630/2.4264 61.648/2.4271	1.460/0.0575	.013/.0005 .065/.0026	19.90/0.783	F780	12	4500 IH	**6B4500P** Std. .25 .50 .75
To be superceded by 6B4500A when stock exhausted.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
19 (Cont'd.)									
	Rod - .002" oversize OD version of 6B4500P.								
6B4500PO/S2 Std. .25 .50 .75		58.682/2.3103 58.702/2.3111	61.681/2.4284 61.698/2.4291	1.587/0.0625 (@ .25 mm u/s)	.008/.0003 .072/.0028	19.90/0.783	F780	12	9081 IH
	To be superceded by 6B4500AO/S2 when stock exhausted.								
	Main - for engines 1982-1988 only.								
4M1561P Std. .25 .50 .75 1.0	1,3,4	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	21.66/0.853	F780	6	5202 U/L
	2 (FI)	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	29.62/1.166	F780	2	5203 U/L
	To be superceded by 4M7295A when stock exhausted.								
	Main - for supercharged engines only - High Strength Aluminum Silicon material.								
4M1782A Std. .25 .50 .75	1,2	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	21.79/0.858	F810	2	7294A L
	1,2	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	23.50/0.925	F810	2	7294WA U
	3 (FI)	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.438/0.0960	.013/.0005 .058/.0023	29.62/1.166	F810	2	7295A U/L
	4	63.744/2.5096 63.764/2.5104	68.890/2.7122 68.910/2.7130	2.548/0.1003	.025/.0010 .071/.0028	21.79/0.858	F810	2	5229A U/L
	Main - for supercharged engines only.								
4M1782P Std. .25 .50 .75 1.0	1,2	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	21.79/0.858	F780	4	5238 U/L
	3 (FI)	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	29.62/1.166	F780	2	5239 U/L
	4	63.744/2.5096 63.764/2.5104	68.890/2.7122 68.910/2.7130	2.548/0.1003	.025/.0010 .071/.0028	21.79/0.858	F780	2	5229 U/L
	To be superceded by 4M1782A when stock exhausted.								
	Main - Normally aspirated engines 1989-97 only.								
4M1812P Std. .25 .50 .75 1.0	1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	21.79/0.858	F780	6	5238 U/L
	3 (FI)	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	29.62/1.166	F780	2	5239 U/L
	To be superceded by 4M7295A when stock exhausted.								
	Main - engines 1982-88 - Optional set to 4M1561P with +0.004" overflange length increase. *See dimensional infromation below.								
4M5205P .25 .50 .75	1,3,4	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	21.66/0.853	F780	6	5202 U/L
	3 (FI)	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	29.72/1.170	F780	2	5205 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M5205P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.170"	+0.004"
0.50 mm u/s shaft	1.170"	+0.004"
0.75 mm u/s shaft	1.170"	+0.004"

	Main - engines 1982-88 - Optional set to 4M1561P with +0.010" overflange length increase. *See dimensional infromation below.								
4M5208P .25 .50 .75	1,3,4	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .084/.0033	21.66/0.853	F780	6	5202 U/L
	3 (FI)	63.978/2.5188 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.437/0.0959	.013/.0005 .058/.0023	29.87/1.176	F780	2	5208 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M5208P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.176"	+0.010"
0.50 mm u/s shaft	1.176"	+0.010"
0.75 mm u/s shaft	1.176"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 19
Main - for engines 1982 on (excl. supercharged) - High Strength Aluminum Silicon material.									
1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	23.50/0.925	F810	3	7294WA U	**4M7295A** Std. .25 .50 .75
1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	21.79/0.858	F810	3	7294A L	
3 (FI)	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.438/0.0960	.013/.0005 .058/.0023	29.62/1.166	F810	2	7295A U/L	
Cam - 1982-87 engines.									
1,4	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.690/2.1925	1.763/0.0694		16.26/0.640	F23	2	F-45-1	**4C1197S** Std.
2,3	52.083/2.0505 52.108/2.0515	55.283/2.1765 55.308/2.1775	1.570/0.0619		14.22/0.560	F23	2	F-45-2	
Cam - 1988-97 engines.									
1,4	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.687/2.1924	1.763/0.0694	.025/.0010 .076/.0030	16.26/0.640	F23	2	F-52-1	**4C1447S** Std.
2,3	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.687/2.1924	1.570/0.0619	.025/.0010 .076/.0030	14.22/0.560	F23	2	F-51-2	
Balance Shaft - 1988-97 engines.									
Front & Rear	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.690/2.1925	1.763/0.0694	.076/.0030	16.26/0.640	F23	2	AGB-51-1	**2BS1445S** Std.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	20
245 (4.0) SOHC	**E**	**V6**	**3.95 x 3.32**	**Connecting Rod 18-24 ft.lbs/25-32 Nm**	
245 (4.0) SOHC	**K**	**V6**	**3.95 x 3.32**	**Main Bearing 66-77 ft.lbs/89-104 Nm**	

Rod									
	53.980/2.1252 54.000/2.1260	56.820/2.2370 56.840/2.2378	1.410/0.0555	.012/.0005 .078/.0030	16.48/0.649	F780	12	1656 IH	**6B723P** Std. 10 20 30 40
Rod - .002" oversize OD version of 6B723P.									
	53.980/2.1252 54.000/2.1260	56.869/2.2390 56.891/2.2400	1.559/0.0614 (@ .010" u/s)	.005/.0002 .073/.0029	16.48/0.649	F780	12	9060 IH	**6B723PO/S2** 10 20 30 40
Main									
1,2,4 Upper	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	21.59/0.850	F780	3	1657 U	**4M2006P** Std. 10 20 30
1,2,4 Lower	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	21.59/0.850	F780	3	1663 L	
3 (FI)	56.980/2.2433 57.000/2.2441	60.620/2.3866 60.640/2.3874	1.806/0.0711	.015/.0006 .081/.0032	26.29/1.035	F780	2	1658 IH	
Overflange length remains constant for standard and undersizes.									
AR Auxiliary									
Front		47.046/1.8522	1.549/0.0610		29.00/1.142	F23	1	FG-53-1	**2C6002S** Std.
Rear		45.903/1.8072	1.549/0.0610		22.98/0.905	F23	1	FG-53-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	21
250 (4.1)	**C**	**L6**	**3.68 x 3.91**	**Connecting Rod 21-26 ft.lbs/28-35 Nm**	
250 (4.1)	**L**	**L6**	**3.68 x 3.91**	**Main Bearing 60-70 ft.lbs./81-95 Nm**	

Rod									
	53.934/2.1234 53.945/2.1238	56.871/2.2390 56.891/2.2398	1.458/0.0574	.010/.0004 .067/.0026	20.57/0.810	F780	12	2150 IH	**6B583P** Std. 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
21 (Cont'd.)									
	Main - Alt set to 7M979P with +0.010" overflange length increase for undersizes. * See below for dimensional information.								
7M2193P 10 20 30 40	1-4,6,7	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.025/.0010 .066/.0026	24.13/0.950	F780	12	2185 U/L
	5 (Fl)	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.025/.0010 .066/.0026	30.61/1.205	F780	2	2193 U/L
	To be discontinued when stock exhausted.								
	Main								
7M979P Std. 01 10 20 30 40	1-4,6,7	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.025/.0010 .066/.0026	24.13/0.950	F780	12	2185 U/L
	5 (Fl)	60.914/2.3982 60.935/2.3990	65.791/2.5902 65.811/2.5910	2.428/0.0956	.025/.0010 .066/.0026	30.35/1.195	F780	2	2187 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
4C703S Std.	1	45.960/1.8095 45.985/1.8105	50.241/1.9780 50.267/1.9790	2.110/0.0832		18.42/0.725	F23	1	F-32-1
	2	45.960/1.8095 45.985/1.8105	49.860/1.9630 49.886/1.9640	1.920/0.0757		18.42/0.725	F23	1	F-17-2
	3	45.960/1.8095 45.985/1.8105	49.479/1.9480 49.505/1.9490	1.730/0.0682		18.42/0.725	F23	1	F-17-3
	4	45.960/1.8095 45.985/1.8105	49.098/1.9330 49.124/1.9340	1.540/0.0607		18.42/0.725	F23	1	F-17-4

*** DIMENSIONAL INFORMATION FOR 7M2193P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.205"	+0.010"
.020" u/s shaft	1.205"	+0.010"
.030" u/s shaft	1.205"	+0.010"
.040" u/s shaft	1.205"	+0.010"

22 ENGINE — **VIN** 2 — **CYL** V6 — **Bore x Stroke** 3.81 x 3.74

256 (4.2) OHV

TORQUE SETTINGS

Connecting Rod 15-18 ft.lbs/20-24 Nm Step 1
Connecting Rod 29-33 ft.lbs/39-45 Nm Step 2
Connecting Rod 90-120 degree turn Step 3
Main Bearing 37 ft.lbs + 120 deg Vans
Main Bearing 65-81 ft.lbs Trucks

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
	Rod - High Strength Aluminum Silicon material.								
6B4500A Std. .25 .50 .75		58.682/2.3103 58.702/2.3111	61.630/2.4264 61.648/2.4271	1.460/0.0575	.013/.0005 .065/.0026	19.90/0.783	F810	12	4500A IH
	Rod - .002" oversize OD version of 6B4500A.								
6B4500AO/S2 .25 .50 .75		58.682/2.3103 58.702/2.3111	61.630/2.4264 61.648/2.4271	1.587/0.0625 (@ .25 mm u/s)	.013/.0005 .065/.0026	19.90/0.783	F810	12	9081A IH
	Main - High Strength Aluminum Silicon material.								
4M7295A Std. .25 .50 .75	1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	23.50/0.925	F810	3	7294WA U
	1,2,4	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.451/0.0965	.013/.0005 .058/.0023	21.79/0.858	F810	3	7294A L
	3 (Fl)	63.983/2.5190 64.003/2.5198	68.890/2.7122 68.910/2.7130	2.438/0.0960	.013/.0005 .058/.0023	29.62/1.166	F810	2	7295A U/L
	Cam								
4C1447S Std.	1,4	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.687/2.1924	1.763/0.0694	.025/.0010 .076/.0030	16.26/0.640	F23	2	F-52-1
	2,3	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.687/2.1924	1.570/0.0619	.025/.0010 .076/.0030	14.22/0.560	F23	2	F-51-2
	Balance Shaft								
2BS1445S Std.	Front & Rear	52.083/2.0505 52.108/2.0515	55.664/2.1915 55.690/2.1925	1.763/0.0694	.076/.0030	16.26/0.640	F23	2	AGB-51-1

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**23**
281 (4.6) SOHC		**6**	**V8**	**90.2mm x 90mm**	**Connecting Rod 23 ft.lbs/31 Nm + 90 deg**				
281 (4.6) SOHC		**W**	**V8**	**90.2mm x 90mm**	**Main Bearing 24 ft.lbs/33 Nm + 90 deg**				
Rod - High Strength Aluminum Silicon material.									
	52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F810	16	5636A IH	**8B1442A** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 8B1442A.									
	52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F810	16	9080A IH	**8B1442AO/S2** .25 .50 .75 1.0
Rod									
	52.984/2.0860 53.002/2.0867	56.866/2.2388 56.886/2.2396	1.928/0.0759	.012/.0005 .063/.0025	20.96/0.825	F780	16	5636 IH	**8B1442P** Std. .25 .50 .75 1.0
To be superceded by 8B1442A when stock exhausted.									
Rod - .002" oversize OD version of 8B1442P.									
	52.984/2.0860 53.002/2.0867	56.916/2.2408 56.937/2.2416	2.075/0.0817 (@ .25 mm u/s)	.013/.0005 .078/.0031	20.95/0.825	F780	16	9080 IH	**8B1442PO/S2** .25 .50 .75 1.0
To be superceded by 8B1442AO/S2 when stock exhausted.									
Main - for engines 1993 on (Excl. DOHC). (Upper flange bearing has no tang)									
1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	18.25/0.719	F780	4	5638 L	**5M2007P** Std. .25 .50 .75 1.0
1-5	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	19.12/0.753	F780	5	5638W U	
5 (FI)	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	22.61/0.890	F780	1	5639 L	
5 (TW)	76.000/2.9921 76.250/3.0020 (I.D.)	91.500/3.6024 91.750/3.6122 (O.D.)			2.36/0.093	F817	1	5639T U	
Overflange length remains constant for standard and undersizes.									
Main - alternate set to 5M7141P with +0.010" overflange length increase. * See below for dimensional information.									
1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.568/0.1011 (@ 0.25 mm u/s)	.014/.0006 .077/.0030	18.25/0.719	F780	4	5638 L	**5M5649P** 1.0
1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.568/0.1011 (@ 0.25 mm u/s)	.014/.0006 .077/.0030	19.12/0.753	F780	4	5638W U	
5 (FI)	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.568/0.1011 (@ 0.25 mm u/s)	.014/.0006 .077/.0030	22.86/0.900	F780	2	5649 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 5M5649P**

	Overall Width (Nominal)	Increase in Width
1.00mm u/s shaft	0.900"	+ 0.010"

Main - for 1992 engines. (Upper flange bearing has no tang)									
1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	18.25/0.719	F780	4	5638 L	**5M7141P** Std. .25 .50 .75 1.0
1-4	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	19.12/0.753	F780	4	5638W U	
5 (FI)	67.483/2.6568 67.503/2.6576	72.403/2.8505 72.420/2.8512	2.443/0.0962	.014/.0006 .077/.0030	22.61/0.890	F780	2	5639 U/L	
Overflange length remains constant for standard and undersizes.									
Main - for VIN 6 engines only.									
1	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	19.26/0.758	F810	1	7293A U	**5M7296A** Std. .25 .50 .75 1.0
2,3,4,5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F810	4	7296A U	
1-5	67.480/2.6567 67.506/2.6577	72.400/2.8504 72.421/2.8512	2.443/0.0962	.008/.0003 .071/.0028	20.06/0.790	F810	5	7296A L	
5	76.750/3.0216 (ID) 77.000/3.0315	96.750/3.8090 (OD) 97.000/3.8189			2.92/0.115	F810	3	7296T U/L	
Overflange length remains constant for standard and undersizes.									

MERCURY

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
23 (Cont'd.)									
	Cam Tower								
6C1100A Std. .25	1-6	26.937/1.0605 26.962/1.0615	29.119/1.1464 29.144/1.1474	1.083/0.0426	.013/.0005 .038/.0015	14.70/0.579	F810	6	5194A L
	1-6	26.937/1.0605 26.962/1.0615	29.190/1.1492 29.144/1.1474	1.083/0.0426	.013/.0005 .038/.0015	14.70/0.579	F810	6	5195A U
	Small End - single pieces, not bored.								
RB4113 Semi		21.994/0.8659 21.999/0.8661	24.016/0.9455 24.041/0.9465			23.75/0.935	F100	1	RB4113

24 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
351 (5.8) Windsor	**G**	**V8**	**4.00 x 3.50**	**Connecting Rod 40-45 ft.lbs/54-61 Nm**
351 (5.8) Windsor	**H**	**V8**	**4.00 x 3.50**	**Main Bearing 95-105 ft.lbs/129-142 Nm**
351 (5.8) Windsor	**M**	**V8**	**4.00 x 3.50**	
351 (5.8) Windsor	**Q**	**V8**	**4.00 x 3.50**	

	Rod - High Strength Aluminum Silicon material.								
8B831A Std. 10 20 30 40		58.682/2.3103 58.702/2.3111	61.633/2.4265 61.653/2.4273	1.465/0.0577	.010/.0004 .066/.0026	18.18/0.716	F810	16	2176A IH
	Rod - .002" oversize OD version of 8B831A.								
8B831AO/S2 10 20 30 40		58.682/2.3103 58.702/2.3111	61.684/2.4285 61.704/2.4293	1.617/0.0637 (@ .010" u/s)	.010/.0004 .066/.0026	18.18/0.716	F810	16	9031A IH
	Rod								
8B831P Std. 01 10 20 30 40		58.682/2.3103 58.702/2.3111	61.633/2.4265 61.653/2.4273	1.465/0.0577	.010/.0004 .066/.0026	18.18/0.716	F780	16	2176 IH
	To be superceded by 8B831A when stock exhausted.								
	Rod - .002" oversize OD version of 8B831P.								
8B831PO/S2 10 20 30 40		58.682/2.3103 58.702/2.3111	61.684/2.4285 61.704/2.4293	1.617/0.0637 (@ .010" u/s)	.002/.0001 .068/.0027	18.18/0.716	F780	16	9031 IH
	To be superceded by 8B831AO/S2 when stock exhausted.								
	Main - engines 1977-1989 - half groove. High Strength Aluminum Silicon material.								
5M1432A Std. 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	2177A U
	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	5207A L
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	1	2178A U
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	1	5209A L
	Main - engines 1977-1989 - half groove.								
5M1432P Std. 01 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	2177 U
	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	5207 L
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	2178 U
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	5209 L
	To be superceded by 5M1432A when stock exhausted.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 24
Main - optional set to 5M1432A with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	2177A U	**5M5249A** 10 20 30 40
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	5207A L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	1	2170A U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	1	5249A L	

*** DIMENSIONAL INFORMATION FOR 5M5249A**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

Main - High Strength Aluminum Silicon material. For engines 1969-1976 - full groove.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	8	2177A IH	**5M981A** Std. 10 20 30 40
3 (IH)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	2	2178A IH	
Overflange length remains constant for standard and undersizes.									
Main - engines 1969-1976 - full groove. To be superceded by 5M981A when stock exhausted.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	8	2177 IH	**5M981P** Std. 01 10 20 30 40
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	2	2178 IH	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 5M981A with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	8	2177A IH	**5M982A** 10 20 30 40
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	2	2170A IH	

*** DIMENSIONAL INFORMATION FOR 5M982A**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

Main - optional set to 5M981P with +0.010" overflange length increase for undersizes. To be superceded by 5M982A when stock exhausted.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	8	2177 IH	**5M982P** 10 20 30 40
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F780	2	2170 IH	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M982P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040' u/s shaft	1.143"	+0.010"

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
24 (Cont'd.)									
	Cam								
5C510S Std.	1	52.845/2.0805 52.870/2.0815	55.982/2.2040 56.007/2.2050	1.530/0.0602		16.89/0.665	F23	1	F-18-1
	2	52.464/2.0655 52.490/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5

25 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
351 (5.8) Cleveland	**H**	**V8**	**4.00 x 3.50**	**Connecting Rod 40-45 ft.lbs/54-61 Nm**
351 (5.8) Cleveland	**M**	**V8**	**4.00 x 3.50**	**Main Bearing 95-105 ft.lbs./129-142 Nm**
351 (5.8) Cleveland	**Q**	**V8**	**4.00 x 3.50**	

	Rod								
8B927P Std. 01 10 20 30 40		58.682/2.3103 58.702/2.3111	61.880/2.4362 61.897/2.4369	1.588/0.0625	.002/.0001 .065/.0026	18.44/0.726	F780	16	2106C IH
	Rod - .002" oversize OD version of 8B927P.								
8B927PO/S2 10 20 30 40		58.682/2.3103 58.702/2.3111	61.931/2.4382 61.948/2.4390	1.740/0.0685 (@ .010" u/s)	.003/.0001 .066/.0026	18.18/0.716	F780	16	9051 IH
	Main - half groove.								
5M1010P Std. 01 10 20 30 40	1,2,4,5	69.809/2.7484 69.830/2.7492	74.719/2.9417 74.740/2.9425	2.443/0.0962	.003/.0001 .071/.0028	22.35/0.880	F780	8	2107 U/L
	3 (FI)	69.809/2.7484 69.830/2.7492	74.719/2.9417 74.740/2.9425	2.443/0.0962	.003/.0001 .071/.0028	28.40/1.118	F780	2	2108 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - Performance								
5C710C Std.	1	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.565/0.0616		16.89/0.665	F23	1	FP-26-1
	2	52.464/2.0655 52.489/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	FP-18-2
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	FP-18-3
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	FP-18-4
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	FP-18-5
	Cam								
5C710S Std.	1	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.565/0.0616		16.89/0.665	F23	1	F-26-1
	2	52.464/2.0655 52.489/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5

26 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
351 (5.8) Modified	**H**	**V8**	**4.00 x 3.50**	**Connecting Rod 40-45 ft.lbs/54-61 Nm**
400 (6.6)	**S**	**V8**	**4.00 x 4.00**	**Main Bearing 35-45 ft.lbs/47-61 Nm** (3/8" bolts only) **Main Bearing 95-105 ft.lbs/129-142 Nm** (1/2" bolts only)

	Rod								
8B927P Std. 01 10 20 30 40		58.682/2.3103 58.702/2.3111	61.880/2.4362 61.897/2.4369	1.588/0.0625	.002/.0001 .065/.0026	18.44/0.726	F780	16	2106C IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 26
Rod - .002" oversize OD version of 8B927P.									
	58.682/2.3103 58.702/2.3111	61.931/2.4382 61.948/2.4390	1.740/0.0685 (@ .010" u/s)	.003/.0001 .066/.0026	18.18/0.716	F780	16	9051 IH	**8B927PO/S2** 10 20 30 40
Main - High Strength Aluminum Silicon material. For engines 1977-1979 - half groove.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	2177A U	**5M1432A** Std. 10 20 30 40
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	5207A L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	1	2178A U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	1	5209A L	
Overflange length remains constant for standard and undersizes.									
Main - engines 1977-1979 half groove.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	2177 U	**5M1432P** Std. 01 10 20 30 40
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	4	5207 L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	2178 U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	1	5209 L	
To be superceded by 5M1432A when stock exhausted.									
Main - optional set to 5M1432A with +0.010" overflange length increase for undersizes. *See dimensional information below.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	2177A U	**5M5249A** 10 20 30 40
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	4	5207A L	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	1	2170A U	
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	1	5249A L	

*** DIMENSIONAL INFORMATION FOR 5M5249A**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

Main - High Strength Aluminum Silicon material. For engines 1971-1976 - full groove.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	8	2177A IH	**5M981A** Std. 10 20 30 40
3 (IH)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F810	2	2178A IH	
Overflange length remains constant for standard and undersizes.									
Main - engines 1971-1976 - full groove. To be superceded by 5M981A when stock exhausted.									
1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	8	2177 IH	**5M981P** Std. 01 10 20 30 40
3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	28.78/1.133	F780	2	2178 IH	
Overflange length remains constant for standard and undersizes.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
26 (Cont'd.)									
	Main - optional set to 5M981A with +0.010" overflange length increase for undersizes. *See dimensional information below.								
5M982A 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F810	8	2177A IH
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F810	2	2170A IH

*** DIMENSIONAL INFORMATION FOR 5M982A**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040" u/s shaft	1.143"	+0.010"

	Main - optional set to 5M981P with +0.010" overflange length increase for undersizes. To be superceded by 5M982A when stock exhausted.								
5M982P 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	21.26/0.837	F780	8	2177 IH
	3 (Fl)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.433/0.0958	.011/.0004 .076/.0030	29.03/1.143	F780	2	2170 IH

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M982P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.143"	+0.010"
.020" u/s shaft	1.143"	+0.010"
.030" u/s shaft	1.143"	+0.010"
.040' u/s shaft	1.143"	+0.010"

	Cam - Performance								
5C710C Std.	1	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.565/0.0616		16.89/0.665	F23	1	FP-26-1
	2	52.464/2.0655 52.489/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	FP-18-2
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	FP-18-3
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	FP-18-4
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	FP-18-5
	Cam								
5C710S Std.	1	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.565/0.0616		16.89/0.665	F23	1	F-26-1
	2	52.464/2.0655 52.489/2.0665	55.600/2.1890 55.626/2.1900	1.530/0.0602		16.89/0.665	F23	1	F-18-2
	3	52.083/2.0505 52.108/2.0515	55.220/2.1740 55.245/2.1750	1.530/0.0602		16.89/0.665	F23	1	F-18-3
	4	51.702/2.0355 51.727/2.0365	54.839/2.1590 54.864/2.1600	1.530/0.0602		16.89/0.665	F23	1	F-18-4
	5	51.321/2.0205 51.346/2.0215	54.458/2.1440 54.483/2.1450	1.530/0.0602		16.89/0.665	F23	1	F-18-5

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE	VIN	CYL	Bore x Stroke
390 (6.4)		V8	4.05 x 3.78
390 (6.4)	S	V8	4.05 x 3.78
390 (6.4)	X	V8	4.05 x 3.78
390 (6.4)	Y	V8	4.05 x 3.78
390 (6.4)	Z	V8	4.05 x 3.78
410 (6.7)		V8	4.05 x 3.98
427 (7.0)		V8	4.23 x 3.78
427 (7.0)	W	V8	4.23 x 3.78
428 (7.0)		V8	4.23 x 3.78
428 (7.0)	P	V8	4.23 x 3.78
428 (7.0)	Q	V8	4.23 x 3.78
428 (7.0)	R	V8	4.23 x 3.78

TORQUE SETTINGS 27

Connecting Rod 40-45 ft.lbs/54-61 Nm (All except 427 engines)
Connecting Rod 53-58 ft.lbs/72-79 Nm (427 engines only)
Main Bearing 95-105 ft.lbs/129-142 Nm

Rod

	61.925/2.4380 61.946/2.4388	65.804/2.5907 65.824/2.5915	1.923/0.0757	.012/.0005 .078/.0031	18.67/0.735	F780	16	2110 IH	**8B760P** Std. 10 20 30 40

Rod - .002" oversize OD version of 8B760P.

	61.925/2.4380 61.946/2.4388	65.855/2.5927 65.875/2.5935	2.075/0.0817 (@ .010" u/s)	.013/.0005 .080/.0031	18.67/0.735	F780	16	9061 IH	**8B760PO/S2** 10 20 30 40

Main - optional set to 5M685P with +0.010" overflange length increase for undersizes. *See below for dimensional information.

1,2,4,5	69.809/2.7484 69.830/2.7492	74.706/2.9412 74.727/2.9420	2.420/0.0953	.010/.0004 .078/.0031	23.17/0.912	F780	8	2115 IH	**5M2119P** 10 20 30 40
3(FI)	69.809/2.7484 69.830/2.7492	74.706/2.9412 74.727/2.9420	2.425/0.0955	.068/.0027	28.65/1.128	F780	2	2119 IH	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M2119P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.128"	+0.010"
.020" u/s shaft	1.128"	+0.010"
.030" u/s shaft	1.128"	+0.010"
.040" u/s shaft	1.128"	+0.010"

Main - engines 1964-65 with 3.764"-3.829" flange O.D. - full groove.

1,2,4,5	69.809/2.7484 69.830/2.7492	74.706/2.9412 74.727/2.9420	2.420/0.0953	.010/.0004 .078/.0031	23.17/0.912	F780	8	2115 IH	**5M685P** Std. 10 20 30 40
3(FI)	69.809/2.7484 69.830/2.7492	74.706/2.9412 74.727/2.9420	2.425/0.0955	.068/.0027	28.40/1.118	F780	2	2114 IH	

Overflange length remains constant for standard and undersizes.

Main - engines 1966-70 with 3.888"-3.948" flange O.D. - full groove.

1,2,4,5	69.809/2.7484 69.830/2.7492	74.706/2.9412 74.727/2.9420	2.433/0.0958	.010/.0004 .078/.0031	23.17/0.912	F780	8	2115 IH	**5M863P** Std. 10 20 30 40
3 (FI)	69.809/2.7484 69.830/2.7492	74.706/2.9412 74.727/2.9420	2.441/0.0961	.010/.0004 .078/.0031	28.40/1.118	F780	2	2118 IH	

Overflange length remains constant for standard and undersizes.

Cam - all engines except 1966-67 427 wedge head.

1	53.945/2.1238 54.970/2.1248	58.661/2.3095 58.687/2.3105	2.320/0.0913		15.88/0.625	F23	1	F-33-1	**5C781S** Std.
2	53.945/2.1238 54.970/2.1248	58.280/2.2945 58.306/2.2955	2.140/0.0841		15.88/0.625	F23	1	F-15-2	
3	53.945/2.1238 54.970/2.1248	57.899/2.2795 57.925/2.2805	1.950/0.0766		15.88/0.625	F23	1	F-15-3	
4	53.945/2.1238 54.970/2.1248	57.518/2.2645 57.544/2.2655	1.760/0.0691		15.88/0.625	F23	1	F-14-4	
5	53.945/2.1238 54.970/2.1248	57.137/2.2495 57.163/2.2505	1.560/0.0616		14.35/0.565	F23	1	F-15-5	

Small End - Bush has light ream allowance.

		26.314/1.0360 26.365/1.0380	0.927/0.0365		31.75/1.250	F100	1	223-3501	**AB02127R** Ream

Small End - Bush has boring allowance.

		26.314/1.0360 26.365/1.0380	1.044/0.0411		30.23/1.190	F100	1	223-3598	**AB02201** Semi

MERCURY

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
28 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
429 (7.0)			**C V8**	**4.36 x 3.59**		**Connecting Rod 40-45 ft.lbs/54-61 Nm**			
429 (7.0)			**J V8**	**4.36 x 3.59**		**Main Bearing 95-105 ft.lbs/129-142 Nm**			
429 (7.0)			**K V8**	**4.36 x 3.59**					
429 (7.0)			**N V8**	**4.36 x 3.59**					
429 (7.0)			**Z V8**	**4.36 x 3.59**					
460 (7.5)			**A V8**	**4.36 x 3.85**					
460 (7.5)			**C V8**	**4.36 x 3.85**					
	Rod								
8B818P Std. 10 20 30 40		63.480/2.4992 63.500/2.5000	67.366/2.6522 67.386/2.6530	1.927/0.0759	.012/.0005 .078/.0031	22.00/0.866	F780	16	5210 IH
	Main - Position 1,2,4,5 is half groove & Position 3 (FI) is full groove.								
5M1039P Std. 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.432/0.0957	.013/.0005 .079/.0031	24.13/0.950	F780	8	5212 U/L
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.432/0.0957	.013/.0005 .079/.0031	28.45/1.120	F780	2	5214 IH
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 5M1039P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
5M5218P 10 20 30 40	1,2,4,5	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.557/0.1007 (@ .010" u/s)	.013/.0005 .079/.0031	24.13/0.950	F780	8	5212 U/L
	3 (FI)	76.185/2.9994 76.205/3.0002	81.082/3.1922 81.102/3.1930	2.557/0.1007 (@ .010" u/s)	.013/.0005 .079/.0031	28.70/1.130	F780	2	5218 IH
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M5218P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.130"	+0.010"
.020" u/s shaft	1.130"	+0.010"
.030" u/s shaft	1.130"	+0.010"
.040" u/s shaft	1.130"	+0.010"

	Cam								
5C1111S Std.	1-5	53.950/2.1240 53.975/2.1250	57.137/2.2495 57.163/2.2505	1.570/0.0618		14.86/0.585	F23	5	F-30-1
	Cam - Oversize OD Cam set. Align bore housing to 2.2645"/2.2655".								
5C1766S Std.	1-5	53.944/2.1238 53.969/2.1248	57.518/2.2645 57.544/2.2655	1.763/0.0694	.028/.0011 .127/.0050	16.00/0.630	F820	5	SH1766

MG ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
58 1000cc (1.0).....			L4	62-62	1
67 (1.1)	1098cc		L4	63-66	1
67 1098cc.....	1100		L4	62-68	2
1275cc (1.3).....			L4	66-73	3
1275cc (1.3).....		A	L4	74-74	3
78 1275cc (1.3).....	1300		L4	67-71	4
91 1493cc (1.5).....			L4	53-61	5
97 (1.6)	1588cc		L4	59-62	5
1622cc (1.6).....			L4	61-68	6
1798cc (1.8).....			L4	62-73	7
1798cc (1.8).....		H	L4	74-79	7
1798cc (1.8).....		J	L4	80-81	7
216 3532cc (3.5)...			V8	69-74	8
216 3532cc (3.5)...		1	V8	75-77	8

MG MODEL INDEX

Model	CID	cc	Liter	Description	Years
MGA	91	1493	1.5		56-59
	97		1.6	1588cc	60-62
MGB		1798	1.8		63-81
	216	3532	3.5		75-77
MGB - GT		1798	1.8		63-74
MIDGET	58	1000	1.0		62
	67		1.1	1098cc	63-66
		1275	1.3		67-74
ZB	91	1493	1.5		57-58

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
58 1000cc (1.0)			**L4**	**62.9mm x 76.2mm**	**Connecting Rod 35 ft.lbs/47 Nm**				
67 (1.1) 1098cc			**L4**	**64.5mm x 84mm**	**Main Bearing 60 ft.lbs/81 Nm**				
Rod - 0.880" wide bearings.									
	41.285/1.6254 41.298/1.6259	44.971/1.7705 44.983/1.7710	1.826/0.0719	.020/.0008 .071/.0028	22.35/0.880	F780	8	2201 IH	**4B2201** Std. 10 20 30 40
Main - 1.190" wide bearings.									
1,2,3	44.463/1.7505 44.475/1.7510	48.158/1.8960 48.171/1.8965	1.834/0.0722	.015/.0006 .066/.0026	30.22/1.190	F780	6	2202 IH	**3M2202** Std. 10 20 30 40
Thrust - 2.4450" O.D. - heavy duty material.									
2	49.911/1.9650 50.165/1.9750	61.849/2.4350 62.103/2.4450			2.36/0.093	F250	4	2202T U/L	**2T2202** Std.
Note: Set includes four pieces, use on No. 2 position. Required with 3M2202 main set.									
Cam									
1	42.278/1.6645 42.291/1.6650	45.606/1.7955 45.631/1.7965	1.638/0.0645	.039/.0015 .127/.0050	28.83/1.135	F23	1	4096	**1C4096** Std.
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
67 1098cc 1100			**L4**	**64.5mm x 84mm**	**Connecting Rod 35 ft.lbs/47 Nm** **Main Bearing 70-75 ft.lbs/95-101 Nm**				
Rod									
	41.285/1.6254 41.298/1.6259	44.971/1.7705 44.983/1.7710	1.826/0.0719	.020/.0008 .071/.0028	22.35/0.880	F780	8	2201 IH	**4B2201** Std. 10 20 30 40
Main - 1.067" wide bearings.									
1,2,3	44.463/1.7505 44.475/1.7510	48.158/1.8960 48.171/1.8965	1.829/0.0720	.025/.0010 .076/.0030	27.10/1.067	F780	6	2203 IH	**3M2203** Std. 10 20 30 40 50
Thrust - 2.8350" O.D.									
2	49.910/1.9650 50.160/1.9748	71.760/2.8252 72.010/2.8350			2.36/0.093	F250	4	2203T U/L	**2T2203** Std.
Note: Set includes four pieces, use on No. 2 position. Required with 3M2203 main set.									
Cam									
1	42.278/1.6645 42.291/1.6650	45.606/1.7955 45.631/1.7965	1.638/0.0645	.039/.0015 .127/.0050	28.83/1.135	F23	1	4096	**3C4095** Std.
2	41.217/1.6227 41.229/1.6232	44.526/1.7530 44.552/1.7540	1.628/0.0641	.041/.0016 .129/.0051	19.30/0.760	F23	1	4094	
3	34.867/1.3727 34.879/1.3732	38.176/1.5030 38.202/1.5040	1.628/0.0641	.041/.0016 .129/.0051	13.74/0.541	F23	1	4095	
Small End - not bored.									
	15.862/0.6245 15.875/0.6250	19.037/0.7495 19.062/0.7505			22.22/0.875	F100	1	RB843	**RB843** Semi

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1275cc (1.3)			**L4**	**70.5mm x 81mm**		**Connecting Rod 35 ft.lbs/47 Nm**			
1275cc (1.3)			**A L4**	**70.5mm x 81mm**		**Main Bearing 60 ft.lbs/81 Nm**			
	Rod - 0.850" wide bearing.								
4B2206		44.460/1.7504	48.146/1.8955	1.824/0.0718	.025/.0010	21.59/0.850	F780	8	2206
Std. 10 20 30 40		44.473/1.7509	48.158/1.8960		.076/.0030				IH
	Main								
3M2204	1,2,3	50.183/2.0005	54.508/2.1460	1.829/0.0720	.025/.0010	25.52/1.005	F780	6	2204
Std. 10 20 30 40		50.825/2.0010	54.521/2.1465		.076/.0030				IH
	Thrust								
2T2204	2	56.260/2.2150	76.070/2.9949			2.36/0.093	F250	4	2204T
Std.		56.510/2.2248	76.330/3.0051						U/L
	Note: Set includes four pieces, use on No. 2 position. Required with 3M2204 main set.								
	Cam - for engines with #1, 1.135". #2, 0.760"; #3, 0.760" wide bushes.								
3C4099	1	42.278/1.6645	45.606/1.7955	1.638/0.0645	.039/.0015	28.83/1.135	F23	1	4096
Std.		42.291/1.6650	45.631/1.7965		.127/.0050				
	2	41.217/1.6227	44.526/1.7530	1.628/0.0641	.041/.0016	19.30/0.760	F23	1	4094
		41.229/1.6232	44.552/1.7540		.129/.0051				
	3	34.867/1.3727	38.189/1.5035	1.641/0.0646	.020/.0008	19.30/0.760	F23	1	4099
		34.887/1.3735	38.209/1.5043		.112/.0044				
4 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
78 1275cc (1.3) 1300			**L4**	**70.5mm x 81mm**		**Connecting Rod 35 ft.lbs**			
						Main Bearing 60 ft.lbs			
	Rod - 0.880" wide bearings.								
4B2201		41.285/1.6254	44.971/1.7705	1.826/0.0719	.020/.0008	22.35/0.880	F780	8	2201
Std. 10 20 30 40		41.298/1.6259	44.983/1.7710		.071/.0028				IH
	Main								
3M2204	1,2,3	50.183/2.0005	54.508/2.1460	1.829/0.0720	.025/.0010	25.52/1.005	F780	6	2204
Std. 10 20 30 40		50.825/2.0010	54.521/2.1465		.076/.0030				IH
	Thrust								
2T2204	2	56.260/2.2150	76.070/2.9949			2.36/0.093	F250	4	2204T
Std.		56.510/2.2248	76.330/3.0051						U/L
	Note: Set includes four pieces, use on No. 2 position. Required with 3M2204 main set.								
	Cam - for engines with #1, 1.135", #2, 0.760"; #3, 0.541" wide bushes.								
3C4095	1	42.278/1.6645	45.606/1.7955	1.638/0.0645	.039/.0015	28.83/1.135	F23	1	4096
Std.		42.291/1.6650	45.631/1.7965		.127/.0050				
	2	41.217/1.6227	44.526/1.7530	1.628/0.0641	.041/.0016	19.30/0.760	F23	1	4094
		41.229/1.6232	44.552/1.7540		.129/.0051				
	3	34.867/1.3727	38.176/1.5030	1.628/0.0641	.041/.0016	13.74/0.541	F23	1	4095
		34.879/1.3732	38.202/1.5040		.129/.0051				
5 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
91 1493cc (1.5)			**L4**	**73mm x 88.9mm**		**Connecting Rod 23-35 ft.lbs/31-47 Nm**			
97 (1.6) 1588cc			**L4**	**75.4mm x 89mm**		**Main Bearing 70-75 ft.lbs/95-102 Nm**			
	Rod								
4B1891		47.648/1.8759	51.333/2.0210	1.824/0.0718	.024/.0009	25.53/1.005	F780	8	1891
Std. 10 20 30 40		47.661/1.8764	51.346/2.0215		.076/.0030				IH
	Main								
3M4302	1,2,3	50.813/2.0005	54.508/2.1460	1.829/0.0720	.025/.0010	35.05/1.380	F23	6	4302
Std. 10 20 30 40		50.825/2.0010	54.521/2.1465		.076/.0030				IH
	Thrust								
2T4302		56.261/2.2150	69.596/2.7400			2.36/0.093	F1	4	4302T
Std.		56.515/2.2250	69.850/2.7500						U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 5
Cam									
1	45.433/1.7887 45.446/1.7892	48.641/1.9150 48.666/1.9160	1.585/0.0624	.025/.0010 .076/.0030	37.57/1.479	F23	1	4306	**3C4306** Std.
2	43.909/1.7287 43.922/1.7292	47.117/1.8550 47.142/1.8560	1.585/0.0624	.025/.0010 .076/.0030	28.83/1.135	F23	1	4307	
3	41.217/1.6227 41.229/1.6232	44.425/1.7490 44.450/1.7500	1.585/0.0624	.025/.0010 .076/.0030	20.89/0.822	F23	1	4308	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				6
1622cc (1.6)			**L4**	**76.2mm x 89mm**	**Connecting Rod 23-35 ft.lbs/31-47 Nm** **Main Bearing 70-75 ft.lbs/95-102 Nm**				
Rod									
	47.648/1.8759 47.661/1.8764	51.333/2.0210 51.346/2.0215	1.824/0.0718	.024/.0009 .076/.0030	25.53/1.005	F780	8	1891 IH	**4B1891** Std. 10 20 30 40
Main									
1,2,3	50.813/2.0005 50.825/2.0010	54.508/2.1460 54.521/2.1465	1.836/0.0723	.010/.0004 .051/.0020	31.11/1.225	F820	6	2215AL IH	**3M2215** Std. 10 20 30 40
Thrust									
	56.261/2.2150 56.515/2.2250	69.596/2.7400 69.850/2.7500			2.36/0.093	F1	4	4302T U/L	**2T4302** Std.
Cam									
1	45.433/1.7887 45.446/1.7892	48.641/1.9150 48.666/1.9160	1.585/0.0624	.025/.0010 .076/.0030	37.57/1.479	F23	1	4306	**3C4306** Std.
2	43.909/1.7287 43.922/1.7292	47.117/1.8550 47.142/1.8560	1.585/0.0624	.025/.0010 .076/.0030	28.83/1.135	F23	1	4307	
3	41.217/1.6227 41.229/1.6232	44.425/1.7490 44.450/1.7500	1.585/0.0624	.025/.0010 .076/.0030	20.89/0.822	F23	1	4308	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				7
1798cc (1.8)			**L4**	**80.25mm x 88.9mm**	**Connecting Rod 40-45 ft.lbs/54-61 Nm**				
1798cc (1.8)		**H**	**L4**	**80.25mm x 88.9mm**	**Main Bearing 70 ft.lbs/90 Nm**				
1798cc (1.8)		**J**	**L4**	**80.25mm x 88.9mm**					
Rod									
	47.648/1.8759 47.660/1.8764	51.333/2.0210 51.346/2.0215	1.816/0.0715	.041/.0016 .092/.0036	20.06/0.790	F780	8	2250 IH	**4B2250** Std. 10 20 30 40
Main - for 1965-80 engines only.									
1,3,5	54.013/2.1265 54.026/2.1270	57.683/2.2710 57.696/2.2715	1.816/0.0715	.025/.0010 .067/.0026	28.70/1.130	F820	6	2254AL IH	**5M2255** Std. 10 20 30
2,4	54.013/2.1265 54.026/2.1270	57.683/2.2710 57.696/2.2715	1.816/0.0715	.025/.0010 .067/.0026	19.55/0.770	F820	4	2255AL IH	
Thrust									
2	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.36/0.093	F1	4	2252T U/L	**2T2252** Std.
Note: Set includes four pieces, use on No. 2 position. Required with 5M2255 main set.									
Cam									
1	45.433/1.7887 45.446/1.7892	48.641/1.9150 48.666/1.9160	1.585/0.0624	.025/.0010 .076/.0030	37.57/1.479	F23	1	4306	**3C4306** Std.
2	43.909/1.7287 43.922/1.7292	47.117/1.8550 47.142/1.8560	1.585/0.0624	.025/.0010 .076/.0030	28.83/1.135	F23	1	4307	
3	41.217/1.6227 41.229/1.6232	44.425/1.7490 44.450/1.7500	1.585/0.0624	.025/.0010 .076/.0030	20.89/0.822	F23	1	4308	
Small End - not bored, single pieces.									
	20.640/0.8126 (Nominal)	23.805/0.9372 23.825/0.9380			27.23/1.072	F100	1	RB4012	**RB4012** Semi

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
8 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
216 3532cc (3.5)			**V8**	**88.9mm x 71.12mm**		**Connecting Rod 30-35 ft.lbs/41-47 Nm**			
216 3532cc (3.5)			**1 V8**	**88.9mm x 71.12mm**		**Main Bearing #1-4 50-55 ft.lbs/68-75 Nm**			
						Main Bearing #5 65-70 ft.lbs/88-95 Nm			
	Rod - part number was 8B2226.								
8B610A Std. 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	16	2226A IH
	Cam								
5C4326 Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.704/1.9175	1.633/0.0643	.024/.0009 .150/.0059	19.30/0.760	F23	1	4326
	2	44.577/1.7550 44.602/1.7560	47.892/1.8855 47.942/1.8875	1.633/0.0643	.024/.0009 .150/.0059	19.30/0.760	F23	1	4327
	3	43.815/1.7250 43.840/1.7260	47.130/1.8555 47.180/1.8575	1.633/0.0643	.024/.0009 .150/.0059	19.30/0.760	F23	1	4328
	4	43.053/1.6950 43.078/1.6960	43.368/1.8255 46.418/1.8275	1.633/0.0643	.024/.0009 .150/.0059	19.30/0.760	F23	1	4329
	5	42.291/1.6650 42.316/1.6660	45.606/1.7955 45.656/1.7975	1.633/0.0643	.024/.0009 .150/.0059	19.30/0.760	F23	1	4320

MITSUBISHI ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
977cc (1.0).....	KE43, OHV		L4	63-70	1
1088cc (1.1).....	KE44, OHV		L4	66-72	1
1187cc (1.2).....	4G42		L4	73-77	1
1189cc (1.2).....	KE46, OHV		L4	68-70	1
1198cc (1.2).....	4G16/G16B		L4	84-88	2
1244cc (1.3).....	4G11/G11B		L4	77-86	2
1298cc (1.3).....	4G13/G13B		L4	84-88	2
1378cc (1.4).....	4G41		L4	71-79	1
1410cc (1.4).....	4G12/G12B		L4	78-86	2
1439cc (1.5).....	4G33		L4	73-85	4
1468cc (1.5).....	G4AJ	J	L4	87-89	3
1468cc (1.5).....	G4DJ	J	L4	90-94	3
90 1468cc (1.5).....	4G15/G15B	K	L4	85-88	3
90 1468cc (1.5).....	4G15/G15B	X	L4	89-90	3
90 1468cc (1.5).....	12V SOHC (4G15)	A	L4	91-02	3
98 1597cc (1.6).....	4G32/G32B, Turbo	F	L4	85-88	5
98 1597cc (1.6).....	4G61 DOHC	Y	L4	91-92	5
98 1597cc (1.6).....	4G61 DOHC, Turbo	Z	L4	89-89	5
107 1755cc (1.8)...	4G37	B	L4	93-94	4
107 1755cc (1.8)...	4G37	T	L4	90-92	4
1795cc (1.8).....	G62B	4	L4	83-83	6
1795cc (1.8).....	G62B, Turbo	G	L4	84-88	6
112 1834cc (1.8)...	4G93	D	L4	92-92	7
112 1834cc (1.8)...	(4G93)		L4	99-99	7
112 1834cc (1.8)...	(4G93)	C	L4	93-02	7
1855cc (1.9).....	4G51/G51B		L4	74-80	8
1995cc (2.0).....	G52B		L4	74-88	10
122 1997cc (2.0)...	SOHC (G63B)	5	L4	83-83	9
122 1997cc (2.0)...	DOHC (4G63)	D	L4	93-93	9
122 1997cc (2.0)...	SOHC (G63B)	D	L4	84-89	9
122 1997cc (2.0)...	DOHC (4G63)	E	L4	93-94	9
122 1997cc (2.0)...	DOHC (4G63), Turbo	F	L4	93-95	9
122 1997cc (2.0)...	DOHC (4G63)	R	L4	89-92	9
122 1997cc (2.0)...	DOHC (4G63), Turbo	U	L4	90-92	9
122 1997cc (2.0)...	SOHC (4G63)	V	L4	89-92	9
122 1997cc (2.0)...	16V DOHC	Y	L4	95-95	11
122 1997cc (2.0)...	16V DOHC (420A)	Y	L4	96-99	11
122 1997cc (2.0)...	DOHC (4G63), Turbo	F	L4	96-98	9
122 1997cc (2.0)...	DOHC (4G63T), Turbo		L4	99-99	9
1999cc (2.0).....	(4G94)	E	L4	05-06	12
2000cc (2.0).....	4G94		L4	02-04	12
143 2346cc (2.3)...	4D55 (SOHC), Turbo,Diesel	9	L4	83-83	8
143 2346cc (2.3)...	4D55 (SOHC), Turbo,Diesel	J	L4	84-86	8
2351cc (2.4).....	SOHC (4G64)	G	L4	93-94	13
2351cc (2.4).....	DOHC (4G64)	L	L4	94-95	13
2351cc (2.4).....	SOHC (G64B)	L	L4	85-88	13
2351cc (2.4).....	SOHC (4G64)	W	L4	89-92	13
2351cc (2.4).....	SOHC (4G64)	G	L4	93-05	13
2351cc (2.4).....	SOHC (4G64)	Y	L4	02-04	13
2476cc (2.5).....	4D56 (SOHC),Diesel		L4	85-91	8
2497cc (2.5).....	6G73		V6	95-99	14
156 2555cc (2.6)...	G54B	7	L4	83-83	10
156 2555cc (2.6)...	G54B, Turbo	7	L4	83-83	10
156 2555cc (2.6)...	G54B	E	L4	84-89	10
156 2555cc (2.6)...	G54B, Turbo	H	L4	84-87	10
156 2555cc (2.6)...	G54B, Turbo	N	L4	85-89	10
181 2972cc (3.0)...	SOHC (6G72)		V6	99-04	15
181 2972cc (3.0)...	DOHC (6G72)	B	V6	91-92	15
181 2972cc (3.0)...	DOHC (6G72), Turbo	C	V6	91-92	15
181 2972cc (3.0)...	SOHC (6G72)	F	V6	03-04	15
181 2972cc (3.0)...	SOHC (6G72)	H	V6	93-04	15
181 2972cc (3.0)...	SOHC (6G72)	L	V6	00-03	15
181 2972cc (3.0)...	SOHC (6G72)	S	V6	88-94	15
181 2972cc (3.0)...	SOHC (6G72)		V6	99-99	15
181 2972cc (3.0)...	SOHC (6G72)	H	V6	93-05	15
181 2972cc (3.0)...	DOHC (6G72)	J	V6	93-99	15
181 2972cc (3.0)...	DOHC (6G72), Turbo	K	V6	93-98	15
181 2972cc (3.0)...	SOHC (6G72)	P	V6	97-03	15
181 2972cc (3.0)...	DOHC (6G72T), Turbo	K	V6	99-99	15
215 3497cc (3.5)...	DOHC (6G74)	M	V6	94-96	16
215 3497cc (3.5)...	SOHC (6G74)		V6	99-00	16
215 3497cc (3.5)...	SOHC (6G74)	P	V6	97-04	16
215 3497cc (3.5)...	SOHC (6G74)	R	V6	97-04	16
226 (3.7)		K	V6	06-06	17
285 (4.7)		N	V8	06-06	18

MITSUBISHI MODEL INDEX

Model	CID	cc	Liter	Description	Years
3000GT	181	2972	3.0	DOHC	93-96
	181	2972	3.0	DOHC (6G72)	91-92
	181	2972	3.0	SOHC	97-99
3000GT - SL	181	2972	3.0	DOHC	93-99
	181	2972	3.0	DOHC (6G72)	91-92
3000GT - SPYDER SL	181	2972	3.0	DOHC	95-96
3000GT - SPYDER VR-4	181	2972	3.0	DOHC	95-96
3000GT - VR-4	181	2972	3.0	DOHC	93-98
	181	2972	3.0	DOHC (6G72)	91-92
3000GT - VR4	181	2972	3.0	DOHC	99
CORDIA		1795	1.8	G62B	83-88
	122	1997	2.0	SOHC (G63B)	84-88
CORDIA - L		1795	1.8	G62B	85
	122	1997	2.0	SOHC (G63B)	84-85
CORDIA - LS		1795	1.8	G62B	84
	122	1997	2.0	SOHC (G63B)	84
DIAMANTE	181	2972	3.0	SOHC (6G72)	92
	215	3497	3.5	SOHC	99-04
DIAMANTE - ES	181	2972	3.0	SOHC	93-96
	181	2972	3.0	SOHC (6G72)	93-94
	215	3497	3.5	SOHC	97-98
DIAMANTE - LS	181	2972	3.0	DOHC	93-95
	181	2972	3.0	DOHC (6G72)	92
	215	3497	3.5	SOHC	97-98
ECLIPSE	107	1755	1.8	4G37	90-94
	122	1997	2.0	16V DOHC	96-99
	122	1997	2.0	DOHC	99
		2351	2.4	SOHC	00-04
	181	2972	3.0	SOHC (6G72)	00-04
ECLIPSE - GS	107	1755	1.8	4G37	90-94
	122	1997	2.0	16V DOHC	95-98
	122	1997	2.0	DOHC (4G63)	90-94
		2351	2.4	SOHC	05
ECLIPSE - GST	122	1997	2.0	DOHC	96-98
	122	1997	2.0	DOHC (4G63)	95
ECLIPSE - GSX	122	1997	2.0	DOHC	96-98
	122	1997	2.0	DOHC (4G63)	90-95
ECLIPSE - GT	181	2972	3.0	SOHC	05
ECLIPSE - GTS	181	2972	3.0	SOHC	05
	181	2972	3.0	SOHC (6G72)	03-04
ECLIPSE - RS	122	1997	2.0	16V DOHC	95-98
ECLIPSE - SPYDER	122	1997	2.0	DOHC	99
		2351	2.4	SOHC	01-04
	181	2972	3.0	SOHC (6G72)	01-04
ECLIPSE - SPYDER GS		2351	2.4	SOHC	96-05
ECLIPSE - SPYDER GST	122	1997	2.0	DOHC	96-98
ECLIPSE - SPYDER GT	181	2972	3.0	SOHC	05
ECLIPSE - SPYDER GTS	181	2972	3.0	SOHC	05
	181	2972	3.0	SOHC (6G72)	03-04
EXPO		2351	2.4	SOHC	93-95
		2351	2.4	SOHC (4G64)	92
EXPO - SP		2351	2.4	SOHC	93
		2351	2.4	SOHC (4G64)	92
EXPO LRV	112	1834	1.8		93
	112	1834	1.8	4G93	92
		2351	2.4	SOHC (4G64)	93-94
EXPO LRV - SPORT	112	1834	1.8	4G93	92
		2351	2.4	SOHC (4G64)	93-94
GALANT	122	1997	2.0	SOHC (4G63)	89-92
		2351	2.4	SOHC	00-03
		2351	2.4	SOHC (G64B)	85-87
	181	2972	3.0	SOHC (6G72)	99-03
GALANT - DE		2351	2.4	SOHC	97-98
GALANT - ES	122	1997	2.0	DOHC (4G63)	93
		2351	2.4	SOHC	94-98
GALANT - GS	122	1997	2.0	DOHC (4G63)	89-92
		2351	2.4	DOHC (4G64)	94

MITSUBISHI MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
GALANT - GSR	122	1997	2.0	DOHC (4G63)	91-92
GALANT - GSX	122	1997	2.0	DOHC (4G63)	90-92
GALANT - LS	122	1997	2.0	DOHC (4G63)	93
	122	1997	2.0	SOHC (4G63)	89-92
		2351	2.4	SOHC	94-98
GALANT - S	122	1997	2.0	DOHC (4G63)	93
		2351	2.4	SOHC	94-96
GALANT - VR-4	122	1997	2.0	DOHC (4G63)	91-92
LANCER		2000	2.0	4G94	02-04
LANCER - ES		1999	2.0		05-06
LANCER - OZ RALLY		1999	2.0		05-06
MIGHTY MAX	122	1997	2.0	SOHC (G63B)	83-89
		2351	2.4	SOHC (4G64)	90-94
	156	2555	2.6	G54B	85-89
	181	2972	3.0	SOHC (6G72)	90-94
MIGHTY MAX - LWB		2351	2.4	SOHC (4G64)	92
	156	2555	2.6	G54B	89
MIGHTY MAX - S	122	1997	2.0	SOHC (G63B)	83-84
MIGHTY MAX - SP	143	2346	2.3	4D55 (SOHC)	83-85
	156	2555	2.6	G54B	83-85
MIGHTY MAX - SPX	143	2346	2.3	4D55 (SOHC)	84
	156	2555	2.6	G54B	83-89
MIGHTY MAX - SWB	122	1997	2.0	SOHC (G63B)	89
		2351	2.4	SOHC	95-96
		2351	2.4	SOHC (4G64)	92
	156	2555	2.6	G54B	89
	181	2972	3.0	SOHC (6G72)	92
MIRAGE	90	1468	1.5	12V SOHC	91-02
	90	1468	1.5	4G15/G15B	85-90
	98	1597	1.6	4G32/G32B	88
	98	1597	1.6	4G61 DOHC	89
	112	1834	1.8		99-02
MIRAGE - DE	90	1468	1.5	12V SOHC	97-98
MIRAGE - ES	90	1468	1.5	12V SOHC	93-95
	112	1834	1.8		93-95
MIRAGE - GS	98	1597	1.6	4G61 DOHC	91-92
MIRAGE - L	90	1468	1.5	4G15/G15B	85-87
	98	1597	1.6	4G32/G32B	85
MIRAGE - LS	90	1468	1.5	12V SOHC	91-93
	90	1468	1.5	4G15/G15B	89
	98	1597	1.6	4G32/G32B	86-87
	112	1834	1.8		93-98

Model	CID	cc	Liter	Description	Years
MIRAGE - RS	90	1468	1.5	4G15/G15B	90
MIRAGE - S	90	1468	1.5	12V SOHC	93-96
MIRAGE - VL	90	1468	1.5	12V SOHC	91-92
	90	1468	1.5	4G15/G15B	90
MONTERO	156	2555	2.6	G54B	83-89
	181	2972	3.0	SOHC (6G72)	89-93
	215	3497	3.5	SOHC	98-02
MONTERO - LS	181	2972	3.0	SOHC (6G72)	89-96
	215	3497	3.5	SOHC	97
MONTERO - RS	181	2972	3.0	SOHC (6G72)	91-93
MONTERO - SPORT	156	2555	2.6	G54B	87-88
	181	2972	3.0	SOHC (6G72)	89-90
MONTERO - SR	181	2972	3.0	SOHC (6G72)	92-93
	215	3497	3.5	DOHC (6G74)	94-96
	215	3497	3.5	SOHC	97
MONTERO SPORT	181	2972	3.0	SOHC	99-03
	215	3497	3.5	SOHC	99-04
MONTERO SPORT - ES		2351	2.4	SOHC	97-98
MONTERO SPORT - LS	181	2972	3.0	SOHC	97-98
MONTERO SPORT - XLS	181	2972	3.0	SOHC	97-98
PRECIS		1468	1.5	G4AJ	87-89
		1468	1.5	G4DJ	90-94
PRECIS - LS		1468	1.5	G4AJ	87-89
PRECIS - RS		1468	1.5	G4AJ	88-89
		1468	1.5	G4DJ	90-91
RAIDER - DUROCROSS	226		3.7		06
	285		4.7		06
RAIDER - LS	226		3.7		06
RAIDER - XLS	285		4.7		06
SIGMA	181	2972	3.0	SOHC (6G72)	88-90
STARION	156	2555	2.6	G54B	83-89
STARION - ES	156	2555	2.6	G54B	84-85
STARION - LE	156	2555	2.6	G54B	84-85
STARION - LS	156	2555	2.6	G54B	84
TREDIA		1795	1.8	G62B	83-88
	122	1997	2.0	SOHC (G63B)	84-88
TREDIA - L	122	1997	2.0	SOHC (G63B)	84-85
TREDIA - LS		1795	1.8	G62B	84
	122	1997	2.0	SOHC (G63B)	84
VAN		2351	2.4	SOHC (4G64)	89-90
		2351	2.4	SOHC (G64B)	87-88

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
977cc (1.0) KE43, OHV				**L4**	**72mm x 60mm**	**Connecting Rod 21-27 ft.lbs/28-37 Nm**			
1088cc (1.1) KE44, OHV				**L4**	**73mm x 65mm**	**Main Bearing 36-39 ft.lbs/49-53 Nm**			
1187cc (1.2) 4G42				**L4**	**71mm x 75mm**				
1189cc (1.2) KE46, OHV				**L4**	**73mm x 71mm**				
1378cc (1.4) 4G41				**L4**	**76.5mm x 75mm**				
	Rod - Non-stock item. Call for availability.								
4B1141 Std. .25 .50 .75 1.0		51.976/2.0463 52.000/2.0472	55.000/2.1654 55.019/2.1661	1.488/0.0586	.024/.0009 .091/.0036	22.12/0.871	F780	8	1141 IH
	Main - Non-stock item. Call for availability.								
3M1142 Std. .25 .50 .75 1.0	1-3	63.985/2.5191 64.000/2.5197	68.000/2.6772 68.020/2.6779	1.991/0.0784	.018/.0007 .079/.0031	25.02/0.985	F780	6	1142 IH
	Thrust - Non-stock item. Call for availability.								
1T1142 Std.	1	68.326/2.6900 68.580/2.7000	82.169/3.2350 82.423/3.2450			3.56/0.140	F1	2	1142T U/L
	Note: Set includes two pieces, use on No. 1 position. Required with 3M1142 main set.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
1198cc (1.2) 4G16/G16B			**L4**	**68.2mm x 82mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**				
1244cc (1.3) 4G11/G11B			**L4**	**69.5mm x 82mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**				
1298cc (1.3) 4G13/G13B			**L4**	**71mm x 82mm**					
1410cc (1.4) 4G12/G12B			**L4**	**74mm x 82mm**					
Rod									
	41.981/1.6528 42.000/1.6535	45.000/1.7717 45.020/1.7724	1.493/0.0588	.015/.0006 .071/.0028	17.63/0.694	F820	8	1736AL IH	**4B1736** Std. .25 .50 .75 1.0
Main									
1,2,4,5	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .076/.0030	19.13/0.753	F820	8	1737AL IH	**5M1737** Std. .25 .50 .75 1.0
3(FI)	47.980/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .076/.0030	23.95/0.943	F820	2	1738AL IH	
Overflange length remains constant for standard and undersizes.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**3**
1468cc (1.5) G4AJ		**J**	**L4**	**75.5mm x 82mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**				
1468cc (1.5) G4DJ		**J**	**L4**	**75.5mm x 82mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**				
90 1468cc (1.5) 4G15/G15B		**K**	**L4**	**75.5mm x 82mm**					
90 1468cc (1.5) 4G15/G15B		**X**	**L4**	**75.5mm x 82mm**					
90 1468cc (1.5) 12V SOHC (4G15)		**A**	**L4**	**75.5mm x 82mm**					
Rod - for engines 8/88 on.									
	41.981/1.6528 42.000/1.6535	45.000/1.7717 45.020/1.7724	1.493/0.0588	.015/.0006 .079/.0031	15.60/0.614	F810	8	1130A IH	**4B1130** Std. .25 .50 .75 1.0
Rod - for engines 1985 - 7/88 only.									
	41.981/1.6528 42.000/1.6535	45.000/1.7717 45.020/1.7724	1.493/0.0588	.015/.0006 .071/.0028	17.63/0.694	F820	8	1736AL IH	**4B1736** Std. .25 .50 .75 1.0
Main - for engines 8/88 on.									
1,2,4,5	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .085/.0033	19.13/0.753	F810	8	1124A U/L	**5M1124** Std. .25 .50 .75
3(FI)	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .085/.0033	23.95/0.943	F810	2	1125A IH	
Overflange length remains constant for standard and undersizes.									
Main - for engines 1985 - 7/88 only.									
1,2,4,5	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .076/.0030	19.13/0.753	F820	8	1737AL IH	**5M1737** Std. .25 .50 .75 1.0
3(FI)	47.980/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .076/.0030	23.95/0.943	F820	2	1738AL IH	
Overflange length remains constant for standard and undersizes.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**4**
1439cc (1.5) 4G33			**L4**	**73mm x 86mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**				
107 1755cc (1.8) 4G37		**B**	**L4**	**80.6mm x 86mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**				
107 1755cc (1.8) 4G37		**T**	**L4**	**80.6mm x 86mm**					
Rod									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH	**4B1146** Std. .25 .50 .75 1.0
Main - half groove bearing set.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U	**5M1144** Std. .25 .50 .75 1.0
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH	
Overflange length remains constant for standard and undersizes.									

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
4 (Cont'd.)									
	Main - full groove bearing set.								
5M1147 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.00/0.906	F810	8	1147A IH
	3 (Fl)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
	Overflange length remains constant for standard and undersizes.								

5 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
98 1597cc (1.6) 4G32/G32B Turbo	**F**	**L4**	**76.9mm x 86mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm** (Exc. 4G61 engines)
98 1597cc (1.6) 4G61 DOHC	**Y**	**L4**	**82.3mm x 75mm**	
98 1597cc (1.6) 4G61 DOHC Turbo	**Z**	**L4**	**82.3mm x 75mm**	**Connecting Rod 37-39 ft.lbs/50-53 Nm** (4G61 engines only) **Main Bearing 36-40 ft.lbs/49-54 Nm** (Exc. 4G61 Turbo engines) **Main Bearing 47-51 ft.lbs/64-69 Nm** (4G61 Turbo engine only)

	Rod								
4B1146 Std. .25 .50 .75 1.0		44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH
	Main - half groove bearing set.								
5M1144 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L
	3 (Fl)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
	Overflange length remains constant for standard and undersizes.								
	Main - full groove bearing set.								
5M1147 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.00/0.906	F810	8	1147A IH
	3 (Fl)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
	Overflange length remains constant for standard and undersizes.								
	Balance Shaft								
3BS8385 Std.	RHF	38.974/1.5344 (Max.)	42.024/1.6545 (Max.)	1.506/0.0593	.020/.0008 .076/.0030	19.25/0.758	F830	1	SH1465
	RHR, LHR	35.977/1.4164 (Max.)	39.025/1.5364 (Max.)	1.496/0.0589	.043/.0017 .099/.0039	16.00/0.630	F830	2	SH1466
	Cam Tower - Includes oil holes for upper position and wide bearings for #1 position.Line bore tunnel to 1.4966"/1.4976" (38.014/38.038mm).								
5SC761 Std.	1	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	22.96/0.904	F23	2	SC762 U/L
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC761 U
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC760 L

6 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1795cc (1.8) G62B	**4**	**L4**	**80.6mm x 88mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**
1795cc (1.8) G62B Turbo	**G**	**L4**	**80.6mm x 88mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**

	Rod								
4B1146 Std. .25 .50 .75 1.0		44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 6
Main - half groove bearing set.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U	**5M1144** Std. .25 .50 .75 1.0
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH	
Overflange length remains constant for standard and undersizes.									
Main - full groove bearing set.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.00/0.906	F810	8	1147A IH	**5M1147** Std. .25 .50 .75 1.0
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH	
Overflange length remains constant for standard and undersizes.									
Balance Shaft - for engines from 1983 - 7/85.									
RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387	**3BS8387** Std.
RHR, LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	2	8388	
Balance Shaft - for engines from 8/85 - 1988.									
RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387	**3BS8389** Std. .25 .50
LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388	
RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 7
112 1834cc (1.8) 4G93	**D**	**L4**	**81mm x 89mm**	**Connecting Rod 15 ft.lbs/20 Nm + 1/4 turn**
112 1834cc (1.8) (4G93)		**L4**	**81mm x 89mm**	**Main Bearing 18 ft.lbs/25 Nm + 1/4 turn** Tighten main
112 1834cc (1.8) (4G93)	**C**	**L4**	**81mm x 89mm**	bearing caps from center, working towards end caps.

Rod									
	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.015/1.8904	1.492/0.0587	.016/.0006 .077/.0030	16.80/0.661	F780	8	8036 IH	**4B8036** Std. .25 .50 .75 1.0
To be superceded by 4B8036A when stock exhausted.									
Rod - High Strength Aluminum Silicon material.									
	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.015/1.8904	1.492/0.0587	.016/.0006 .077/.0030	16.80/0.661	F810	8	8036A IH	**4B8036A** Std. .25 .50 .75 1.0
Main									
1-5	49.982/1.9678 50.000/1.9685	54.000/2.1260 54.018/2.1267	1.991/0.0784	.018/.0007 .080/.0031	19.13/0.753	F780	10	8037 U/L	**5M8037** Std. .25 .50
To be superceded by 5M8037A when stock exhausted.									
Main - High Strength Aluminum Silicon material.									
1-5	49.982/1.9678 50.000/1.9685	54.000/2.1260 54.018/2.1267	1.991/0.0784	.018/.0007 .080/.0031	19.13/0.753	F810	10	8037A U/L	**5M8037A** Std. .25 .50 .75 1.0
Thrust									
3	56.000/2.2047 56.250/2.2146	75.400/2.9685 75.700/2.9803			1.98/0.078	F817	2	8037T IH	**1T8037** Std.
Set includes 2 pieces, use on number 3 position. Required with 5M8037.									

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ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
8 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
1855cc (1.9) 4G51/G51B				**L4**	**81mm x 90mm**		**Connecting Rod 32-35 ft.lbs/44-47 Nm**		
143 2346cc (2.3) 4D55 (SOHC) Turbo Diesel			**9**	**L4**	**91.1mm x 90mm**		**Main Bearing 55-61 ft.lbs/74-83 Nm**		
143 2346cc (2.3) 4D55 (SOHC) Turbo Diesel			**J**	**L4**	**91.1mm x 90mm**				
2476cc (2.5) 4D56 (SOHC) Diesel				**L4**	**91.1mm x 95mm**				
	Rod								
4B1136 Std. .25 .50 .75 1.0		52.973/2.0855 53.000/2.0866	56.007/2.2050 56.021/2.2055	1.493/0.0588	.021/.0008 .076/.0030	25.13/0.989	F820	8	1136AL IH
	Main - for engines with 66mm/2.5984" main journal diameter only.								
5M1137 Std. .25 .50 .75 1.0	1,2,4,5	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	25.13/0.989	F780	8	1137 U/L
	3 (FI)	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	30.95/1.219	F780	2	1138 IH
	Overflange length remains constant for standard and undersizes.								
	Balance Shaft								
3BS8288 Std. .25	2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8288
	1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289
	Small End - Not bored, 4D55/4D56 engines only.								
RB4091 Semi		29.000/1.1417	32.000/1.2598			31.90/1.256	F100	1	RB4091
9 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
122 1997cc (2.0) SOHC (G63B)			**5**	**L4**	**85mm x 88mm**		**Connecting Rod 14 ft.lbs + 90 deg.** (1993-99 only)		
122 1997cc (2.0) DOHC (4G63)			**D**	**L4**	**85mm x 88mm**		**Connecting Rod 23-25 ft.lbs/31-34 Nm** (1983-88 only)		
122 1997cc (2.0) SOHC (G63B)			**D**	**L4**	**85mm x 88mm**		**Connecting Rod 36-39 ft.lbs/49-53 Nm** (1989-92 only)		
122 1997cc (2.0) DOHC (4G63)			**E**	**L4**	**85mm x 88mm**		**Main Bearing 37-39 ft.lbs/50-53 Nm** (SOHC engines)		
122 1997cc (2.0) DOHC (4G63) Turbo			**F**	**L4**	**85mm x 88mm**		**Main Bearing 47-51 ft.lbs/64-69 Nm** (DOHC engines)		
122 1997cc (2.0) DOHC (4G63)			**R**	**L4**	**85mm x 88mm**				
122 1997cc (2.0) DOHC (4G63) Turbo			**U**	**L4**	**85mm x 88mm**				
122 1997cc (2.0) SOHC (4G63)			**V**	**L4**	**85mm x 88mm**				
122 1997cc (2.0) DOHC (4G63) Turbo			**F**	**L4**	**85mm x 88mm**				
122 1997cc (2.0) DOHC (4G63T) Turbo				**L4**	**85mm x 88mm**				
	Rod - For engines to 1983-5/92 only.								
4B1146 Std. .25 .50 .75 1.0		44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH
	Rod - For engines from 6/92-on.								
4B1185 Std. .25 .50 .75 1.0		44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.493/0.0588	.016/.0006 .078/.0031	21.10/0.831	F810	8	1185A IH
	Main - for engines 1983-5/92 only - half groove.								
5M1144 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
	Overflange length remains constant for standard and undersizes.								
	Main - for engines 1983-5/92 only - full groove.								
5M1147 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.00/0.906	F810	8	1147A IH
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 9
Main - for engines from 6/92-97.									
1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L	**5M1186** Std. .25 .50 .75 1.0
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	25.40/1.000	F810	2	1187A IH	
Overflange length remains constant for standard and undersizes.									
Main - Alt set to 5M1186 with +0.010" overflange length increase. * See below for dimensional information.									
1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L	**5M1213** .25 .50 .75 1.0
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	25.65/1.010	F810	2	1213A IH	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M1213**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.50 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.75 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm

Main - for use with engines 1997 on equipped with thrustwashers.									
1-5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	10	1186A U/L	**5M1219** Std. .25 .50 .75 1.0
Thrust									
	63.100/2.4842 63.350/2.4941 (I.D.)	80.500/3.1693 80.750/3.1791 (O.D.)			2.11/0.083	F250	2	1219T IH	**1T1219** Std.
Set includes 2 pieces to be used with 5M1219.									
Balance Shaft - for engines from 1983-7/85.									
RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387	**3BS8387** Std.
RHR, LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	2	8388	
Balance Shaft - for engines from 8/85-99.									
RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387	**3BS8389** Std. .25 .50
LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388	
RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 10
1995cc (2.0) G52B		**L4**	**84mm x 90mm**	**Connecting Rod 32-35 ft.lbs/44-47 Nm**
156 2555cc (2.6) G54B	**7**	**L4**	**91.1mm x 98mm**	**Main Bearing 55-61 ft.lbs/74-83 Nm**
156 2555cc (2.6) G54B Turbo	**7**	**L4**	**91.1mm x 98mm**	
156 2555cc (2.6) G54B	**E**	**L4**	**91.1mm x 98mm**	
156 2555cc (2.6) G54B Turbo	**H**	**L4**	**91.1mm x 98mm**	
156 2555cc (2.6) G54B Turbo	**N**	**L4**	**91.1mm x 98mm**	

Rod									
	52.973/2.0855 53.000/2.0866	56.007/2.2050 56.021/2.2055	1.493/0.0588	.021/.0008 .076/.0030	25.13/0.989	F820	8	1136AL IH	**4B1136** Std. .25 .50 .75 1.0
Main - for 1974-78 engines with 66mm/2.5984" main journal diameter only.									
1,2,4,5	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	25.13/0.989	F780	8	1137 U/L	**5M1137** Std. .25 .50 .75 1.0
3 (FI)	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	30.95/1.219	F780	2	1138 IH	
Overflange length remains constant for standard and undersizes.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
10 (Cont'd.)									
	Main - for 1978-89 engines with 60mm/2.3622" main journal diameter only.								
5M1139 Std. .25 .50 .75 1.0	1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U
	1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L
	3 (FI)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	30.95/1.219	F820	2	1135AL IH
	Overflange length remains constant for standard and undersizes.								
	Main - alternate set to 5M1139. Overflange width increases for undersizes. *See below for dimensional information.								
5M1143 .25 .50 .75 1.0	1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U
	1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L
	3 (FI)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	(See Table)	F820	2	1143AL IH

*** DIMENSIONAL INFORMATION FOR 5M1143**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.223"/31.05mm	+0.004"/0.10mm
0.50 mm u/s shaft	1.226"/31.13mm	+0.007"/0.18mm
0.75 mm u/s shaft	1.229"/31.21mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.232"/31.29mm	+0.013"/0.34mm

	Balance Shaft - engine block repair bushing. Single piece +.173" O.D. Line bore housing to 1.985"-1.986".								
1BS8288 Std.		43.009/1.6933 43.025/1.6939	50.419/1.9850 50.444/1.9860	3.680/0.1450	.025/.0010 .089/.0035	20.24/0.797	F23	1	8288 OOD
	Balance Shaft - bearing with groove.								
3BS8288 Std. .25	2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8288
	1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289
	Balance Shaft - bearing without groove.								
3BS8369 Std. .25	2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8369
	1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289
	Cam Tower - Includes oil holes for upper position and wide bearings for #1 position. Line bore tunnel to 1.4966"/1.4976" (38.014/38.038mm).								
5SC761 Std.	1	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	22.96/0.904	F23	2	SC762 U/L
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC761 U
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC760 L

11 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
122 1997cc (2.0) 16V DOHC	**Y**	**L4**	**87.5mm x 83mm**	**Connecting Rod 20 ft.lbs + 90 deg**
122 1997cc (2.0) 16V DOHC (420A)	**Y**	**L4**	**87.5mm x 83mm**	**Main Bearing 22 ft.lbs** M8 bolts with bedplate **Main Bearing 30 ft.lbs + 90 deg** M10 bolts only **Main Bearing 40 ft.lbs** M10 bolts with bedplate **Main Bearing 60 ft.lbs** M11 bolts only

	Rod								
4B1635P Std. .25 .50 .75 1.0		47.991/1.8894 48.006/1.8900	50.991/2.0075 51.006/2.0081	1.490/0.0587	.005/.0002 .061/.0024	20.50/0.807	F780	8	7171 IH
	Rod - .002" oversize OD version of 4B1635P.								
4B1635PO/S2 Std. .25 .50 .75		47.991/1.8894 48.006/1.8900	51.041/2.0095 51.056/2.0101	1.640/0.0646 (@ .25 mm u/s)	.005/.0002 .061/.0024	20.50/0.807	F780	8	9091 IH
	Main - suits engines from 1996 on.								
5M2028P Std. .25 .50 .75	1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	19.96/0.786	F780	8	4342 U/L
	3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	26.26/1.034	F780	2	4343 U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 11
Main - .002" oversize OD version of 5M2028P.									
1,2,4,5	51.991/2.0469 52.006/2.0475	56.048/2.2066 56.058/2.2070	2.011/0.0792 (@ STD u/s)	.018/.0007 .071/.0028	19.96/0.786	F780	8	9093 U/L	**5M2028PO/S2** .25 .50 .75
3 (FI)	51.991/2.0469 52.006/2.0475	56.048/2.2066 56.058/2.2070	2.011/0.0792 (@ STD u/s)	.018/.0007 .071/.0028	26.26/1.034	F780	2	9094 U/L	
Main - suits 1995 engines only.									
1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	19.96/0.786	F780	4	4372 L	**5M4372P** Std. .25 .50 .75
1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	19.96/0.786	F780	4	4342 U	
3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	26.26/1.034	F780	1	4373 L	
3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	26.26/1.034	F780	1	4343 U	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
1999cc (2.0) (4G94)	**E**	**L4**	**81.5mm x 95.8mm**	12
2000cc (2.0) 4G94		**L4**	**81.5mm x 95.8mm**	

Rod									
	47.000/1.8504	50.050/1.9705	1.490/0.0587		16.75/0.659	F810	8	8050A IH	**4B8050A** Std. .25 .50 .75
Main									
1-5	49.982/1.9678 50.000/1.9685	54.000/2.1260 54.018/2.1267	1.991/0.0784	.018/.0007 .080/.0031	19.13/0.753	F810	10	8037A U/L	**5M8037A** Std. .25 .50 .75 1.0
Thrust									
3	56.000/2.2047 56.250/2.2146	75.400/2.9685 75.700/2.9803			1.98/0.078	F817	2	8037T IH	**1T8037** Std.

Set contians two pieces. Use with 5M8037A main set.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
2351cc (2.4) SOHC (4G64)	**G**	**L4**	**86.5mm x 100mm**	**Connecting Rod 14 ft.lbs + 90 deg.** (1993-02 SOHC engines)
2351cc (2.4) DOHC (4G64)	**L**	**L4**	**86.5mm x 100mm**	
2351cc (2.4) SOHC (G64B)	**L**	**L4**	**86.5mm x 100mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm** (1985-92 engines)
2351cc (2.4) SOHC (4G64)	**W**	**L4**	**86.5mm x 100mm**	**Connecting Rod 36-38 ft.lbs** (1994-95 DOHC engines)
2351cc (2.4) SOHC (4G64)	**G**	**L4**	**86.5mm x 100mm**	**Main Bearing 18 ft.lbs + 90 deg.** (1993-02 SOHC engines)
2351cc (2.4) SOHC (4G64)	**Y**	**L4**	**86.5mm x 100mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm** (1985-92 engines)
				Main Bearing 47-51 ft.lbs (1994-95 DOHC engines)

Rod - for engines from 1985-5/92 only.									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH	**4B1146** Std. .25 .50 .75 1.0
Rod - for engines from 6/92 on.									
	44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.493/0.0588	.016/.0006 .078/.0031	21.10/0.831	F810	8	1185A IH	**4B1185** Std. .25 .50 .75 1.0
Main - for engines from 1985 - 5/92.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1153A L	**5M1153** Std. .25 .50 .75
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1154A IH	

Overflange length remains constant for standard and undersizes.

Main - for engines from 6/92-1997 equipped with flanged bearings.									
1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L	**5M1186** Std. .25 .50 .75 1.0
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	25.40/1.000	F810	2	1187A IH	

Overflange length remains constant for standard and undersizes.

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
13 (Cont'd.)									
	Main - Alt set to 5M1186 with +0.010" overflange length increase. * See below for dimensional information.								
5M1213 .25 .50 .75 1.0	1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L
	3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	25.65/1.010	F810	2	1213A IH
	Stock not available from fee warehouses.								
	Main - for engines 1997 on equipped with thrustwashers.								
5M1219 Std. .25 .50 .75 1.0	1-5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	10	1186A U/L
	Thrust								
1T1219 Std.		63.100/2.4842 63.350/2.4941 (I.D.)	80.500/3.1693 80.750/3.1791 (O.D.)			2.11/0.083	F250	2	1219T IH
	Set includes 2 pieces to be used with 5M1219.								
	Balance Shaft								
3BS8389 Std. .25 .50	RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
	LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388
	RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389

*** DIMENSIONAL INFORMATION FOR 5M1213**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.50 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.75 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm

14 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2497cc (2.5) 6G73		**V6**	**83.5mm x 76mm**	**Connecting Rod 38 ft.lbs/52 Nm** **Main Bearings 60 ft.lbs/81 Nm**

	Rod								
6B1140 Std. .25 .50 .75 1.0		49.972/1.9674 50.000/1.9685	53.000/2.0866 53.020/2.0874	1.493/0.0588	.015/.0006 .089/.0035	15.50/0.610	F810	12	1140A IH
	Main								
4M1149 Std. .25 .50 .75 1.0	1-4	59.980/2.3614 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.988/0.0783	.020/.0008 .086/.0034	18.13/0.714	F810	8	1149A U/L
	Thrust								
2T1149 Std.	3	66.000/2.5984 66.250/2.6083	77.450/3.0492 77.700/3.0590			1.98/0.078	F817	4	1149T U/L
	Note: Set includes 4 pieces, use on No. 3 position. Required with 4M1149 main set.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**15**
181 2972cc (3.0) SOHC (6G72)				**V6**	**91.2mm x 75.8mm**	**Connecting Rod 38 ft.lbs/52 Nm**			
181 2972cc (3.0) DOHC (6G72)			**B**	**V6**	**91.2mm x 75.8mm**	**Main Bearing 60 ft.lbs/81 Nm**			
181 2972cc (3.0) DOHC (6G72) Turbo			**C**	**V6**	**91.2mm x 75.8mm**				
181 2972cc (3.0) SOHC (6G72)			**F**	**V6**	**91.2mm x 75.8mm**				
181 2972cc (3.0) SOHC (6G72)			**H**	**V6**	**91.2mm x 75.8mm**				
181 2972cc (3.0) SOHC (6G72)			**L**	**V6**	**91.2mm x 75.8mm**				
181 2972cc (3.0) SOHC (6G72)			**S**	**V6**	**91.2mm x 75.8mm**				
181 2972cc (3.0) SOHC (6G72)				**V6**	**91.2mm x 75.8mm**				
181 2972cc (3.0) SOHC (6G72)			**H**	**V6**	**91.2mm x 75.8mm**				
181 2972cc (3.0) DOHC (6G72)			**J**	**V6**	**91.2mm x 75.8mm**				
181 2972cc (3.0) DOHC (6G72) Turbo			**K**	**V6**	**91.2mm x 75.8mm**				
181 2972cc (3.0) SOHC (6G72)			**P**	**V6**	**91.2mm x 75.8mm**				
181 2972cc (3.0) DOHC (6G72T) Turbo			**K**	**V6**	**91.2mm x 75.8mm**				
Rod									
	49.972/1.9674 50.000/1.9685	53.000/2.0866 53.020/2.0874	1.493/0.0588	.015/.0006 .089/.0035	15.50/0.610	F810	12	1140A IH	**6B1140** Std. .25 .50 .75 1.0
Main									
1-4	59.980/2.3614 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.988/0.0783	.020/.0008 .086/.0034	18.13/0.714	F810	8	1149A U/L	**4M1149** Std. .25 .50 .75 1.0
Thrust									
3	66.000/2.5984 66.250/2.6083	77.450/3.0492 77.700/3.0590			1.98/0.078	F817	4	1149T U/L	**2T1149** Std.
Note: Set includes 4 pieces, use on No. 3 position. Required with 4M1149 main set.									
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**16**
215 3497cc (3.5) DOHC (6G74)			**M**	**V6**	**93mm x 86mm**	**Connecting Rod 37-38 ft.lbs/50-52 Nm**			
215 3497cc (3.5) SOHC (6G74)				**V6**	**93mm x 86mm**	**Main Bearing 55-61 ft.lbs/57-83 Nm**			
215 3497cc (3.5) SOHC (6G74)			**P**	**V6**	**93mm x 86mm**				
215 3497cc (3.5) SOHC (6G74)			**R**	**V6**	**93mm x 86mm**				
Rod									
	54.981/2.1646 54.999/2.1653	58.001/2.2835 58.019/2.2842	1.495/0.0589	.020/.0008 .051/.0020	15.50/0.610	F780	12	1180 IH	**6B1180** Std. .25 .50 .75
Main									
1-4	63.983/2.5190 64.000/2.5197	68.001/2.6772 68.006/2.6774	1.995/0.0785	.011/.0004 .059/.0023	17.12/0.674	F780	8	1183 U/L	**4M1183** Std. .25 .50 .75 1.0
Thrust									
	70.100/2.7598 70.350/2.7697	94.250/3.7106 94.500/3.7205			1.96/0.077	F817	2	1183T IH	**1T1183** Std.
Note: Set includes 2 pieces, use on No. 3 position. Required with 4M1183 main set.									
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**17**
226 (3.7)			**K**	**V6**	**93mm x 90.8mm**	**Connecting Rod 20 ft.lbs + 90 deg**			
Rod - High Strength Aluminum Silicon material.									
	57.897/2.2794 57.904/2.2797	61.194/2.4092 61.206/2.4097	1.641/0.0646	.008/.0003 .043/.0017	16.64/0.655	F810	12	7200A IH	**6B7200A** Std. .25 .50
Rod - .002" oversize back version of 6B7200A.									
	57.897/2.2794 57.904/2.2797	61.244/2.4112 61.256/2.4116	1.791/0.0705 (@ 0.25mm u/size)	.008/.0003 .043/.0017	16.64/0.655	F810	12	9106A IH	**6B7200AO/S2** .25 .50 .75 1.0
Main - High Strength Aluminum Silicon material.									
1-4	63.495/2.4998 63.505/2.5002	68.395/2.6927 68.405/2.6931	2.443/0.0962	.004/.0002 .040/.0016	20.63/0.812	F810	8	7214A U/L	**4M7214A** Std. .25 .50 .75 1.0

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
17 (Cont'd.)									
	Thrust								
1T7214 Std.	3	71.000/2.7953 71.250/2.8051	91.000/3.5827 91.250/3.5925			2.54/0.100	F817	1	7214T
	3	71.000/2.7953 71.250/2.8051	91.000/3.5827 91.250/3.5925			2.54/0.100	F817	1	7215T
	Set includes two pieces, use on No. 3 position. Required with 4M7214A main set.								
18 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**					
285 (4.7)	**N**	**V8**	**3.125 x 4.375**	**Connecting Rod 35-45 ft.lbs** 3/8" bolts **Connecting Rod 50-55 ft.lbs** 7/16" bolts **Main Bearing 65-75 ft.lbs**					
	Rod - bearing has no tang.								
8B7206A Std. .25 .50 .75		50.996/2.0077 51.003/2.0080	53.992/2.1257 54.005/2.1262	1.491/0.0587	.013/.0005 .043/.0017	16.64/0.655	F810	16	7206A IH
	Rod - .002" oversize back version of 8B7206A.								
8B7206AO/S2 .25 .50 .75		50.996/2.0077 51.003/2.0080	53.992/2.1257 54.005/2.1262	1.641/0.0646 (@ 0.25mm u/size)	.013/.0005 .043/.0017	16.64/0.655	F810	16	9116A IH
	Main								
5M7214A Std. .25 .50 .75 1.0	1-5	63.495/2.4998 63.505/2.5002	68.395/2.6927 68.405/2.6931	2.443/0.0962	.004/.0002 .040/.0016	20.63/0.812	F810	10	7214A U/L
	Thrust								
1T7214 Std.	3	71.000/2.7953 71.250/2.8051	91.000/3.5827 91.250/3.5925			2.54/0.100	F817	1	7214T
	3	71.000/2.7953 71.250/2.8051	91.000/3.5827 91.250/3.5925			2.54/0.100	F817	1	7215T
	Set contains two pieces, use on No. 3 position. Required with 5M7214A main set.								

MITSUBISHI PERFORMANCE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1597cc (1.6).....	(4G32-T), Turbo		L4		1
1597cc (1.6).....	(4G32/G32B)		L4		1
1597cc (1.6).....	(4G61)		L4		1
1597cc (1.6).....	(4G61-T), Turbo		L4		1
1755cc (1.8).....	(4G37/G37B), Turbo		L4		1
1997cc (2.0).....	SOHC/DOHC (Incl Turbo) (4G63)		L4	89-06	2
1997cc (2.0).....	SOHC (G63B)		L4	83-93	2
2351cc (2.4).....	SOHC/DOHC (4G64)		L4	97-97	3
2351cc (2.4).....	SOHC/DOHC (4G64)		L4	89-05	3
2351cc (2.4).....	(G64B)		L4	85-89	3

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
1597cc (1.6) (4G32-T) Turbo			**L4**	**76.9mm x 86mm**					
1597cc (1.6) (4G32/G32B)			**L4**	**76.9mm x 86mm**					
1597cc (1.6) (4G61)			**L4**	**82.3mm x 75mm**					
1597cc (1.6) (4G61-T) Turbo			**L4**	**82.3mm x 75mm**					
1755cc (1.8) (4G37/G37B) Turbo			**L4**	**80.6mm x 86mm**					
Rod - Race Series.									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F781	8	1146H IH	**4B1146H** Std. .025 .25
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.481/0.0583	.037/.0015 .092/.0036	23.50/0.925	F781	8	1146HX IH	**4B1146HX** Std.
Main - Race Series.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F780	4	1144H L	**5M1144H** Std. .025 .25
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F780	4	1147H U	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F780	2	1148H U/L	
Overflange length remains constant for standard and undersizes.									
Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.977/0.0778	.045/.0018 .111/.0044	23.01/0.906	F780	4	1144HX L	**5M1144HX** Std.
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.977/0.0778	.045/.0018 .111/.0044	23.01/0.906	F780	4	1147HX U	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.977/0.0778	.045/.0018 .111/.0044	28.95/1.140	F780	2	1148HX U/L	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
1997cc (2.0) SOHC/DOHC (Incl Turbo) (4G63)			**L4**	**85mm x 88mm**	**Connecting Rod 14 ft.lbs + 90 deg.** (1993-99 only) **Connecting Rod 23-25 ft.lbs/31-34 Nm** (1983-88 only) **Connecting Rod 36-39 ft.lbs/49-53 Nm** (1989-92 only) **Main Bearing 37-39 ft.lbs/50-53 Nm** (SOHC engines) **Main Bearing 47-51 ft.lbs/64-69 Nm** (DOHC engines)				
1997cc (2.0) SOHC (G63B)			**L4**	**85mm x 88mm**					
Rod - Race Series. For engines 1983-5/92 only.									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F781	8	1146H IH	**4B1146H** Std. .025 .25
Rod - Race Series. For engines 1983-5/92 only. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.481/0.0583	.037/.0015 .092/.0036	23.50/0.925	F781	8	1146HX IH	**4B1146HX** Std.
Rod - Race Series. For engines 5/92 on.									
	44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.488/0.0586	.026/.0010 .078/.0031	21.10/0.831	F781	8	1185H IH	**4B1185H** Std. .025 .25
Rod - Race Series. For engines 5/92 on. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
	44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.475/0.0581	.051/.0020 .103/.0041	21.10/0.831	F781	8	1185HX IH	**4B1185HX** Std.

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	Main - Race Series. For engines 1983-5/92 only.								
5M1144H Std. .025 .25	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F780	4	1144H L
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F780	4	1147H U
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F780	2	1148H U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Race Series. For engines 1983-5/92 only. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
5M1144HX Std.	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.977/0.0778	.045/.0018 .111/.0044	23.01/0.906	F780	4	1144HX L
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.977/0.0778	.045/.0018 .111/.0044	23.01/0.906	F780	4	1147HX U
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.977/0.0778	.045/.0018 .111/.0044	28.95/1.140	F780	2	1148HX U/L
	Main - Race Series. For engines 5/92-1997.								
5M1186H Std. .025 .25	1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .072/.0028	21.00/0.827	F780	8	1186H U/L
	3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .071/.0028	25.40/1.000	F780	2	1187H U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Race Series. For engines 5/92-1997. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
5M1186HX Std.	1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.977/0.0778	.045/.0018 .096/.0038	21.00/0.827	F780	8	1186HX U/L
	3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.977/0.0778	.045/.0018 .096/.0038	25.40/1.000	F780	2	1187HX U/L
	Main - Race Series. For engines 1997 on equipped with thrustwashers.								
5M1219H Std. .025 .25	1-5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .071/.0028	21.00/0.827	F780	10	1186 U/L
	Main - Race Series. For engines 1997 on equipped with thrustwashers. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
5M1219HX Std.	1-5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.977/0.0778	.045/.0018 .096/.0038	21.00/0.827	F780	10	1186HX U/L
	Thrust								
1T1219 Std.		63.100/2.4842 63.350/2.4941 (I.D.)	80.500/3.1693 80.750/3.1791 (O.D.)			2.11/0.083	F250	2	1219T IH
	Note : Set includes two pieces. Required with 5M1219H/HX main set.								
	Balance Shaft - For engines from 1983-7/85.								
3BS8387 Std.	RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
	RHR, LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	2	8388
	Balance Shaft - For engines from 8/85 on.								
3BS8389 Std. .25 .50	RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
	LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388
	RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**3**
2351cc (2.4) SOHC/DOHC (4G64)			**L4**	**85mm x 88mm**					
2351cc (2.4) SOHC/DOHC (4G64)			**L4**	**86.5mm x 100mm**					
2351cc (2.4) (G64B)			**L4**	**86.5mm x 100mm**					
Rod - Race Series. For engines 1983-5/92 only.									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F781	8	1146H IH	**4B1146H** Std. .025 .25
Rod - Race Series. For engines 1983-5/92 only. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.481/0.0583	.037/.0015 .092/.0036	23.50/0.925	F781	8	1146HX IH	**4B1146HX** Std.
Rod - Race Series. For engines 5/92 on.									
	44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.488/0.0586	.026/.0010 .078/.0031	21.10/0.831	F781	8	1185H IH	**4B1185H** Std. .025 .25
Rod - Race Series. For engines 5/92 on. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
	44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.475/0.0581	.051/.0020 .103/.0041	21.10/0.831	F781	8	1185HX IH	**4B1185HX** Std.
Main - Race Series. For engines 1983-5/92 only.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F780	4	1144H L	**5M1144H** Std. .025 .25
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F780	4	1147H U	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F780	2	1148H U/L	
Overflange length remains constant for standard and undersizes.									
Main - Race Series. For engines 1983-5/92 only. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.977/0.0778	.045/.0018 .111/.0044	23.01/0.906	F780	4	1144HX L	**5M1144HX** Std.
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.977/0.0778	.045/.0018 .111/.0044	23.01/0.906	F780	4	1147HX U	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.977/0.0778	.045/.0018 .111/.0044	28.95/1.140	F780	2	1148HX U/L	
Main - Race Series. For engines 5/92-1997.									
1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .072/.0028	21.00/0.827	F780	8	1186H U/L	**5M1186H** Std. .025 .25
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .071/.0028	25.40/1.000	F780	2	1187H U/L	
Overflange length remains constant for standard and undersizes.									
Main - Race Series. For engines 5/92-1997. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.977/0.0778	.045/.0018 .096/.0038	21.00/0.827	F780	8	1186HX U/L	**5M1186HX** Std.
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.977/0.0778	.045/.0018 .096/.0038	25.40/1.000	F780	2	1187HX U/L	
Main - Race Series. For engines 1997 on equipped with thrustwashers.									
1-5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .071/.0028	21.00/0.827	F780	10	1186 U/L	**5M1219H** Std. .025 .25
Main - Race Series. For engines 1997 on equipped with thrustwashers. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
1-5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.977/0.0778	.045/.0018 .096/.0038	21.00/0.827	F780	10	1186HX U/L	**5M1219HX** Std.
Thrust									
	63.100/2.4842 63.350/2.4941 (I.D.)	80.500/3.1693 80.750/3.1791 (O.D.)			2.11/0.083	F250	2	1219T IH	**1T1219** Std.
Note : Set includes two pieces. Required with 5M1219H/HX main set.									

MITSUBISHI PERFORMANCE

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 (Cont'd.)									
	Balance Shaft - For engines from 1983-7/85.								
3BS8387 Std.	RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
	RHR, LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	2	8388
	Balance Shaft - For engines from 8/85 on.								
3BS8389 Std. .25 .50	RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
	LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388
	RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389

NISSAN ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
987cc (1.0).....	MA10		L4	82-91	1
988cc (1.0).....	A10		L4	66-81	2
1171cc (1.2).....	(A12)		L4	71-73	2
75 1229cc (1.2).....		E1	L4	63-65	3
75 1229cc (1.2).....	(E1)		L4	63-65	3
1237cc (1.2).....	(A12)		L4	79-79	2
1237cc (1.2).....	(A12)	C	L4	80-82	2
1270cc (1.3).....	E13		L4	81-89	4
1288cc (1.3).....	(A13)	H	L4	72-74	2
79 1299cc (1.3).....	(J13)		L4	65-69	3
85 1393cc (1.4).....	(A14)	H	L4	75-82	2
85 1393cc (1.4).....	(A14)	P	L4	76-78	2
1483cc (1.5).....	J15		L4	71-79	3
1488cc (1.5).....	G/G15		L4	60-65	5
1488cc (1.5).....	(A15)	P	L4	80-82	2
1488cc (1.5).....	(E15)	M	L4	82-82	4
1488cc (1.5).....	(E15S)	H	L4	82-82	4
1488cc (1.5).....	(E15S)	M	L4	83-83	4
1488cc (1.5).....	(E15T), Turbo		L4	83-84	4
1567cc (1.6).....	J16		L4	72-82	3
1595cc (1.6).....	(L16)		L4	68-73	7
1595cc (1.6).....	(R16)		L4	66-70	5
1597cc (1.6).....	CA16DET, Turbo		L4	87-87	9
1597cc (1.6).....	(CA16DE)		L4	87-87	9
1597cc (1.6).....	(E16)	M	L4	84-86	4
1597cc (1.6).....	(E16)	P	L4	83-85	4
1597cc (1.6).....	(E16I)	P	L4	87-88	4
1597cc (1.6).....	(E16S)	P	L4	86-88	4
1597cc (1.6).....	(GA16DE)		L4	99-99	8
1597cc (1.6).....	(GA16DE)	A	L4	95-98	8
1597cc (1.6).....	(GA16DE)	E	L4	91-95	8
1597cc (1.6).....	(GA16DE)	P	L4	91-93	8
1597cc (1.6).....	(GA16I)	G	L4	89-90	8
1598cc (1.6).....	CA16		L4	81-88	9
1688cc (1.7).....	(CD17),Diesel	S	L4	83-87	9
1770cc (1.8).....	(L18)		L4	73-73	7
1770cc (1.8).....	(L18)	H	L4	74-74	7
1770cc (1.8).....	(L18)	P	L4	74-74	7
1809cc (1.8).....	DOHC (CA18DE)	C	L4	88-89	9
1809cc (1.8).....	SOHC (CA18ET), Turbo	C	L4	84-87	9
1809cc (1.8).....	(QG18DE)		L4	00-05	8
1883cc (1.9).....	H		L4	60-65	5
1952cc (2.0).....	(L20B)	H	L4	74-80	10
1952cc (2.0).....	(Z20)	F	L4	83-85	10
1952cc (2.0).....	(Z20E)	P	L4	80-81	10
1952cc (2.0).....	(Z20S)	H	L4	80-81	10
1974cc (2.0).....	(CA20E)	H	L4	84-89	9
1974cc (2.0).....	(CA20E)	P	L4	84-88	9
1974cc (2.0).....	(CA20S)	H	L4	82-83	9
1982cc (2.0).....	H20		L4	67-92	5
1982cc (2.0).....	H20-II		L4	93-on	6
1982cc (2.0).....	(U20)		L4	68-70	5
1991cc (2.0).....	SD20,Diesel		L4	63-83	11
1998cc (2.0).....	DOHC (SR20DE)		L4	98-01	12
1998cc (2.0).....	DOHC (SR20DE)	B	L4	95-98	12
1998cc (2.0).....	DOHC (SR20DE)	G	L4	91-94	12
1998cc (2.0).....	L20		L6	66-79	13
1998cc (2.0).....	L20E		L6	80-89	13
2164cc (2.2).....	SD22,Diesel		L4	63-80	11
2164cc (2.2).....	(SD22),Diesel	S	L4	81-83	11
2187cc (2.2).....	(Z22)	M	L4	81-83	10
2187cc (2.2).....	(Z22E)	R	L4	82-83	10
2289cc (2.3).....	SD23,Diesel		L4	81-88	11
2389cc (2.4).....	DOHC (KA24DE)		L4	98-04	14
2389cc (2.4).....	DOHC (KA24DE)	A	L4	95-98	14
2389cc (2.4).....	DOHC (KA24DE)	B	L4	93-97	14
2389cc (2.4).....	DOHC (KA24DE)	D	L4	98-98	14
2389cc (2.4).....	DOHC (KA24DE)	M	L4	91-94	14
2389cc (2.4).....	SOHC (KA24E)	F	L4	90-92	14
2389cc (2.4).....	SOHC (KA24E)	H	L4	89-95	14
2389cc (2.4).....	SOHC (KA24E)	S	L4	90-97	14
2389cc (2.4).....	(Z24)	N	L4	83-89	10
2389cc (2.4).....	(Z24I)	N	L4	86-89	10
2389cc (2.4).....	(Z24I)	S	L4	87-88	10
2393cc (2.4).....	(L24)		L6	70-73	13
2393cc (2.4).....	(L24E)	H	L6	77-84	13
2488cc (2.5).....	(SD25),Diesel	J	L4	83-86	11
152 2491cc (2.5)...	TD25,Diesel		L4	86-90	15
2498cc (2.5).....	(RB25DET), Turbo		L6		16
2565cc (2.6).....	(L26)	R	L6	74-75	17
2568cc (2.6).....	(RB26DETT), Turbo		L6		16
162 2663cc (2.7)...	TD27,Diesel		L4	86-90	15
2753cc (2.8).....	(L28E)	H	L6	75-83	17
2753cc (2.8).....	(L28ET), Turbo	C	L6	81-83	17
2793cc (2.8).....	(LD28),Diesel	S	L6	81-83	17
2960cc (3.0).....	DOHC (VE30DE)	E	V6	92-94	19
2960cc (3.0).....	SOHC (VG30)	H	V6	84-89	18
2960cc (3.0).....	DOHC (VG30DE)	R	V6	90-96	19
2960cc (3.0).....	DOHC (VG30DETT), Turbo	C	V6	90-96	19
2960cc (3.0).....	SOHC (VG30E)	1	V6	97-98	18
2960cc (3.0).....	SOHC (VG30E)	H	V6	85-96	18
2960cc (3.0).....	SOHC (VG30E)	W	V6	93-96	18
2960cc (3.0).....	SOHC (VG30I)	H	V6	87-89	18
2960cc (3.0).....	SOHC (VG30T), Turbo	C	V6	84-89	18
2962cc (3.0).....	(RB30)		L6	86-97	20
2962cc (3.0).....	(RB30ET), Turbo		L6	86-89	20
2988cc (3.0).....	DOHC (VQ30DE)		V6	99-01	21
2988cc (3.0).....	DOHC (VQ30DE)	C	V6	95-98	21
3246cc (3.3).....	SD33,Diesel		L6	66-90	22
3246cc (3.3).....	SD33T, Turbo,Diesel		L6	81-90	22
3275cc (3.3).....	SOHC (VG33E)		V6	99-04	18
3275cc (3.3).....	SOHC (VG33E)	A	V6	96-98	18
3275cc (3.3).....	SOHC (VG33ER), Supercharged		V6	01-04	18
3298cc (3.3).....	ED33,Diesel		L4	78-90	23
3298cc (3.3).....	FD33,Diesel		L4	83-90	23
3298cc (3.3).....	ED33T, Turbo,Diesel		L4	80-90	23
3298cc (3.3).....	FD33T, Turbo,Diesel		L4	84-90	23
3465cc (3.5).....	FD35,Diesel		L4	87-91	23
3465cc (3.5).....	FD35T, Turbo,Diesel	S	L4	87-91	23
3498cc (3.5).....	DOHC (VQ35DE)		V6	01-06	24
3956cc (4.0).....	P/PF		L6	60-78	25
3956cc (4.0).....	P40/PF		L6	79-90	25
4165cc (4.2).....	TD42,Diesel		L6	87-97	26
4165cc (4.2).....	TD42T, Turbo,Diesel	R	L6	90-95	26

NISSAN MODEL INDEX

Model	CID	cc	Liter	Description	Years
		1597	1.6	CA16DET	87
1200		1171	1.2		71-73
1600		1595	1.6		66-70
2000		1982	2.0		68-70
200SX		1597	1.6		95-98
		1809	1.8	SOHC	84-87
		1952	2.0		77-81
		1974	2.0		84-88
		1998	2.0	DOHC	95-98
		2187	2.2		82-83
		2960	3.0	SOHC	87-88
200SX - SE		1597	1.6		95-98
		1998	2.0	DOHC	95
200SX - SE-R		1998	2.0	DOHC	96-98
210		1237	1.2		79-82
	85	1393	1.4		79-82
210 - DELUXE	85	1393	1.4		80
		1488	1.5		80-82
240SX		2389	2.4	DOHC	91-98
		2389	2.4	SOHC	89-90
240SX - LE		2389	2.4	DOHC	91-97
240SX - SE		2389	2.4	DOHC	91-97
		2389	2.4	SOHC	89-90
240Z		2393	2.4		70-73
260Z		2565	2.6		74-75
260Z - 2+2		2565	2.6		74-75
280Z		2753	2.8		75-78
280Z - 2+2		2753	2.8		75-78
280ZX		2753	2.8		79-83
280ZX - 2+2		2753	2.8		79-83
280ZX - 2+2 GL		2753	2.8		81
300ZX		2960	3.0	DOHC	90-96

ACL Engine Bearings

NISSAN MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
300ZX		2960	3.0	SOHC	84-89
300ZX - 2+2		2960	3.0	DOHC	90-96
		2960	3.0	SOHC	84-89
310	85	1393	1.4		79-80
		1488	1.5		81
310 - DELUXE		1488	1.5		82
310 - GX	85	1393	1.4		80
		1488	1.5		81-82
350Z		3498	3.5	DOHC	03-06
350Z - ENTHUSIAST		3498	3.5	DOHC	06
350Z - GRAND TOURING		3498	3.5	DOHC	06
350Z - TOURING		3498	3.5	DOHC	06
350Z - TRACK		3498	3.5	DOHC	06
410	75	1229	1.2		63-65
411	75	1229	1.2		63-65
		1595	1.6		67
510		1595	1.6		68-73
		1952	2.0		78-81
520 PICKUP	79	1299	1.3		65-68
521 PICKUP	79	1299	1.3		69
		1595	1.6		70-72
610		1770	1.8		73
		1952	2.0		74-76
620 PICKUP		1595	1.6		72-73
		1770	1.8		74
		1952	2.0		75-79
710		1770	1.8		74
		1952	2.0		75-77
720 PICKUP		1952	2.0		80-85
		2164	2.2		81-83
		2187	2.2		81-83
		2389	2.4		83-86
		2488	2.5		83-86
810		2393	2.4		77-81
		2793	2.8		81
ALTIMA		2389	2.4	DOHC	93-01
		3498	3.5	DOHC	02-05
ALTIMA - GLE		2389	2.4	DOHC	93-97
ALTIMA - GXE		2389	2.4	DOHC	93-97
ALTIMA - SE		2389	2.4	DOHC	93-97
		3498	3.5	DOHC	06
ALTIMA - SE-R		3498	3.5	DOHC	06
ALTIMA - SL		3498	3.5	DOHC	06
ALTIMA - XE		2389	2.4	DOHC	93-97
AXXESS		2389	2.4	SOHC	90-95
AXXESS - 4X4		2389	2.4	SOHC	91-94
B210		1288	1.3		74
	85	1393	1.4		75-78
D21 PICKUP		2389	2.4		86-89
		2389	2.4	SOHC	90-93
		2960	3.0	SOHC	86-93
D21 PICKUP - SE		2960	3.0	SOHC	91-93
F10	85	1393	1.4		76-78
FRONTIER		2389	2.4	DOHC	98-04
		3275	3.3	SOHC	99-04
FRONTIER - OPEN SKY		3275	3.3	SOHC	04
MAXIMA		2393	2.4		82-84
		2793	2.8		82-83
		2960	3.0	SOHC	85-91
		2988	3.0	DOHC	99-01
		3498	3.5	DOHC	02-04
MAXIMA - GLE		2988	3.0	DOHC	95-98
MAXIMA - GXE		2960	3.0	SOHC	92-94
		2988	3.0	DOHC	95-98
MAXIMA - SE		2960	3.0	DOHC	92-94
		2988	3.0	DOHC	95-98
		3498	3.5	DOHC	05-06

Model	CID	cc	Liter	Description	Years
MAXIMA - SL		3498	3.5	DOHC	05-06
MURANO		3498	3.5	DOHC	03-04
MURANO - S		3498	3.5	DOHC	05-06
MURANO - SE		3498	3.5	DOHC	05-06
MURANO - SL		3498	3.5	DOHC	05-06
NX		1597	1.6		91-93
		1998	2.0	DOHC	91-93
PATHFINDER		2389	2.4		87-89
		2960	3.0	SOHC	87-92
		3275	3.3	SOHC	98-00
		3498	3.5	DOHC	01-04
PATHFINDER - LE		2960	3.0	SOHC	94-95
		3275	3.3	SOHC	96-97
PATHFINDER - SE		2960	3.0	SOHC	90-95
		3275	3.3	SOHC	96-97
PATHFINDER - XE		2960	3.0	SOHC	90-95
		3275	3.3	SOHC	96-97
PICKUP		2389	2.4	SOHC	94-97
		2960	3.0	SOHC	94
PICKUP - KING CAB XE-V6		2960	3.0	SOHC	96
PICKUP - SE		2389	2.4	SOHC	96-97
		2960	3.0	SOHC	94-95
PICKUP - SHORT BED E		2389	2.4	SOHC	95
PICKUP - SHORT BED XE		2389	2.4	SOHC	95-97
PICKUP - XE		2389	2.4	SOHC	94-97
		2960	3.0	SOHC	94-95
PULSAR		1597	1.6		83
PULSAR NX		1488	1.5		84
		1597	1.6		83-90
PULSAR NX - SE		1597	1.6		87
		1809	1.8	DOHC	88-89
PULSAR NX - TURBO		1488	1.5		83
PULSAR NX - XE		1597	1.6		87-90
QUEST		3275	3.3	SOHC	99-02
		3498	3.5	DOHC	04-06
QUEST - GXE		2960	3.0	SOHC	93-98
QUEST - S		3498	3.5	DOHC	05-06
QUEST - SE		3498	3.5	DOHC	05-06
QUEST - SL		3498	3.5	DOHC	05-06
QUEST - XE		2960	3.0	SOHC	93-98
SENTRA		1488	1.5		82-83
		1597	1.6		83-99
		1688	1.7		83-87
		1809	1.8		00-05
		1998	2.0	DOHC	91-01
SENTRA - 4X4		1597	1.6		90
SENTRA - CA		1809	1.8		02
SENTRA - CLASSIC		1597	1.6		91-93
SENTRA - E		1597	1.6		93-96
SENTRA - GLE		1597	1.6		95-97
SENTRA - GXE		1597	1.6		93-97
		1809	1.8		02-03
SENTRA - LE		1597	1.6		94
SENTRA - S		1809	1.8		05
SENTRA - SE		1597	1.6		93-94
		1998	2.0	DOHC	93-94
SENTRA - SE-R		1998	2.0	DOHC	91-94
SENTRA - XE		1597	1.6		93-97
		1809	1.8		02-03
STANZA		1974	2.0		82-89
		2389	2.4	SOHC	90-92
STANZA - GL		1974	2.0		84-85
STANZA - XE		1974	2.0		84-85
VAN		2389	2.4		87-88
XTERRA		2389	2.4	DOHC	00-04
		3275	3.3	SOHC	00-04

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
987cc (1.0) MA10			**L4**	**68mm x 68mm**					
Rod									
	39.961/1.5733 39.974/1.5738	43.000/1.6929 43.013/1.6934	1.500/0.0591	.026/.0010 .078/.0031	15.13/0.596	F780	8	2770 IH	**4B2770** Std. .25 .50
Main									
1-5	44.958/1.7700 44.971/1.7705	49.000/1.9291 49.016/1.9298	2.004/0.0789	.021/.0008 .076/.0030	17.10/0.673	F780	10	2769 U/L	**5M2769** Std. .25 .50
Thrust									
	51.250/2.0177 51.500/2.0276	59.750/2.3524 60.000/2.3622			1.97/0.078	F817	2	2769T IH	**1T2769** Std.
Note: Set includes two pieces, use on No. position. Required with 5M2769 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
988cc (1.0) A10			**L4**	**73mm x 59mm**	**Connecting Rod 24-26 ft.lbs/32-35 Nm**				
1171cc (1.2) (A12)			**L4**	**73mm x 70mm**	**Main Bearing 36 ft.lbs/49 Nm**				
1237cc (1.2) (A12)			**L4**	**75mm x 70mm**					
1237cc (1.2) (A12)		**C**	**L4**	**75mm x 70mm**					
1288cc (1.3) (A13)		**H**	**L4**	**73mm x 79mm**					
85 1393cc (1.4) (A14)		**H**	**L4**	**76mm x 77mm**					
85 1393cc (1.4) (A14)		**P**	**L4**	**76mm x 77mm**					
1488cc (1.5) (A15)		**P**	**L4**	**76mm x 82mm**					
Rod									
	44.961/1.7701 44.974/1.7706	48.000/1.8898 48.011/1.8902	1.504/0.0592	.018/.0007 .068/.0027	19.55/0.770	F780	8	2956 IH	**4B2956** Std. .25 .50 .75 1.0
Main - for all A12,A13,A14,A15 engines only.									
1,5	49.951/1.9666 49.964/1.9671	53.657/2.1125 53.670/2.1130	1.831/0.0721	.031/.0012 .081/.0032	22.12/0.871	F780	4	2967 U/L	**5M2967** Std. .25 .50 .75 1.0
2,4	49.951/1.9666 49.964/1.9671	53.657/2.1125 53.670/2.1130	1.831/0.0721	.031/.0012 .081/.0032	18.00/0.709	F780	4	2969 IH	
3 (FI)	49.951/1.9666 49.964/1.9671	53.657/2.1125 53.670/2.1130	1.831/0.0721	.031/.0012 .081/.0032	26.95/1.061	F780	2	2968 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	43.793/1.7241 43.806/1.7246	47.010/1.8508 47.031/1.8516	1.575/0.0620	.030/.0012 .089/.0035	23.50/0.925	F23	1	4146	**5C4146** Std.
2	43.283/1.7041 43.296/1.7046	46.500/1.8307 46.520/1.8315	1.575/0.0620	.030/.0012 .089/.0035	14.00/0.551	F23	1	4147	
3	42.783/1.6844 42.796/1.6849	46.000/1.8110 46.020/1.8118	1.575/0.0620	.030/.0012 .089/.0035	14.00/0.551	F23	1	4148	
4	42.283/1.6647 42.296/1.6652	45.499/1.7913 45.519/1.7921	1.575/0.0620	.030/.0012 .089/.0035	14.00/0.551	F23	1	4149	
5	41.218/1.6228 41.231/1.6233	44.435/1.7494 44.455/1.7502	1.575/0.0620	.030/.0012 .089/.0035	14.00/0.551	F23	1	4140	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**3**
75 1229cc (1.2)		**E1**	**L4**	**73mm x 71mm**	**Connecting Rod 22-25 ft.lbs/30-34 Nm**				
75 1229cc (1.2) (E1)			**L4**	**73mm x 71mm**	**Main Bearing 72-79 ft.lbs/98-107 Nm**				
79 1299cc (1.3) (J13)			**L4**	**73mm x 77.6mm**					
1483cc (1.5) J15			**L4**	**78mm x 77.6mm**					
1567cc (1.6) J16			**L4**	**78mm x 82mm**					
Rod									
	47.648/1.8759 47.661/1.8764	51.333/2.0210 51.346/2.0215	1.824/0.0718	.023/.0009 .076/.0030	22.09/0.870	F780	8	2636 IH	**4B2636** Std. 10 20 30 40 50 60
Main - for E1,J engines only.									
1,2,3	50.813/2.0005 50.825/2.0010	54.508/2.1460 54.521/2.1465	1.836/0.0723	.010/.0004 .051/.0020	31.11/1.225	F820	6	2215AL IH	**3M2215** Std. 10 20 30 40
Main - for J13/J15/J16 engines only.									
1,2,3	50.813/2.0005 50.825/2.0010	54.511/2.1461 54.546/2.1475	1.836/0.0723	.014/.0006 .087/.0034	27.94/1.100	F820	6	2637 IH	**3M2637** Std. 10 20 30 40 50 60

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 (Cont'd.)									
	Thrust								
2T4302 Std.		56.261/2.2150 56.515/2.2250	69.596/2.7400 69.850/2.7500			2.36/0.093	F1	4	4302T U/L
	Note: Set includes four pieces, use on No. 1 position. Required with 3M2215/3M2637 main sets.								
	Cam								
3C4018 Std.	1	45.433/1.7887 45.445/1.7892	48.641/1.9150 48.666/1.9160	1.585/0.0624	.025/.0010 .079/.0031	37.57/1.479	F23	1	4306
	2	43.909/1.7287 43.922/1.7292	47.117/1.8550 47.142/1.8560	1.590/0.0626	.025/.0010 .079/.0031	22.48/0.885	F23	1	4017
	3	41.219/1.6228 41.232/1.6233	44.425/1.7490 44.450/1.7500	1.585/0.0624	.023/.0009 .079/.0031	20.89/0.822	F23	1	4018

4 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1270cc (1.3) E13		**L4**	**76mm x 70mm**	**Connecting Rod 23-27 ft.lbs/31-37 Nm**
1488cc (1.5) (E15)	**M**	**L4**	**76mm x 82mm**	**Main Bearing 36-43 ft.lbs/49-58 Nm**
1488cc (1.5) (E15S)	**H**	**L4**	**76mm x 82mm**	
1488cc (1.5) (E15S)	**M**	**L4**	**76mm x 82mm**	
1488cc (1.5) (E15T) Turbo		**L4**	**76mm x 82mm**	
1597cc (1.6) (E16)	**M**	**L4**	**76mm x 88mm**	
1597cc (1.6) (E16)	**P**	**L4**	**76mm x 88mm**	
1597cc (1.6) (E16I)	**P**	**L4**	**76mm x 88mm**	
1597cc (1.6) (E16S)	**P**	**L4**	**76mm x 88mm**	

	Rod								
4B1620 Std. .25 .50 .75 1.0		39.954/1.5730 39.974/1.5738	43.000/1.6929 43.013/1.6934	1.503/0.0592	.020/.0008 .079/.0031	17.10/0.673	F780	8	1620 IH
	Main								
5M1623 Std. .25 .50 .75	1,5	49.938/1.9661 49.964/1.9671	53.643/2.1119 53.667/2.1129	1.827/0.0719	.025/.0010 .101/.0040	22.10/0.870	F780	4	1623 IH
	2,4	49.938/1.9661 49.964/1.9671	53.643/2.1119 53.667/2.1129	1.827/0.0719	.025/.0010 .101/.0040	18.10/0.713	F780	4	1625 IH
	3(Fl)	49.938/1.9661 49.964/1.9671	53.643/2.1119 53.667/2.1129	1.827/0.0719	.025/.0010 .101/.0040	26.95/1.061	F780	2	1624 IH
	Overflange length remains constant for standard and undersizes.								

5 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1488cc (1.5) G/G15		**L4**	**80mm x 74mm**	**Connecting Rod 35-44 ft.lbs/47-60 Nm**
1595cc (1.6) (R16)		**L4**	**87.2mm x 66.8mm**	**Main Bearing 72-79 ft.lbs/98-107 Nm**
1883cc (1.9) H		**L4**	**85mm x 83mm**	
1982cc (2.0) H20		**L4**	**87.2mm x 83mm**	
1982cc (2.0) (U20)		**L4**	**87.2mm x 83mm**	

	Rod								
4B2751 Std. .25 .50 .75 1.0		51.969/2.0460 51.973/2.0462	55.000/2.1654 55.013/2.1659	1.501/0.0591	.025/.0010 .076/.0030	24.13/0.950	F780	8	2751 IH
	Main - Alt set to 5M2757 with overflange length increase for undersizes. * See below for dimensional information.								
5M2749 .25 .50 .75 1.0	1,5	62.942/2.4780 62.955/2.4785	66.645/2.6238 66.658/2.6243	1.959/0.0771 (@ 0.25 mm u/s)	.022/.0009 .074/.0029	27.99/1.102	F780	4	2757 IH
	2,4	62.942/2.4780 62.955/2.4785	66.645/2.6238 66.658/2.6243	1.959/0.0771 (@ 0.25 mm u/s)	.022/.0009 .074/.0029	22.00/0.866	F780	4	2758 IH
	3 (Fl)	62.942/2.4780 62.955/2.4785	66.645/2.6238 66.658/2.6243	1.959/0.0771 (@ 0.25 mm u/s)	.022/.0009 .074/.0029	(See table below)	F780	2	2749 IH

*** DIMENSIONAL INFORMATION FOR 5M2749**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/size	34.10 mm	+0.15 mm
0.50 mm u/size	34.10 mm	+0.15 mm
0.75 mm u/size	34.20 mm	+0.25 mm
1.00 mm u/size	34.20 mm	+0.25 mm

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 5
Main - for all engines excluding G/G15.									
1,5	62.942/2.4780 62.955/2.4785	66.645/2.6238 66.658/2.6243	1.834/0.0722	.022/.0009 .074/.0029	27.99/1.102	F780	4	2757 IH	**5M2757** Std. .25 .50 .75 1.0
2,4	62.942/2.4780 62.955/2.4785	66.645/2.6238 66.658/2.6243	1.834/0.0722	.022/.0009 .074/.0029	22.00/0.866	F780	4	2758 IH	
3(FI)	62.942/2.4780 62.955/2.4785	66.645/2.6238 66.658/2.6243	1.834/0.0722	.022/.0009 .074/.0029	33.95/1.337	F780	2	2759 IH	
Overflange length remains constant for standard and undersizes.									
Cam - for all engines except U20.									
1	45.434/1.7887 45.447/1.7892	48.641/1.9150 48.666/1.9160	1.588/0.0625	.018/.0007 .108/.0043	24.13/0.950	F23	1	4036	**3C4036** Std.
2	43.897/1.7282 43.910/1.7287	47.117/1.8550 47.142/1.8560	1.588/0.0625	.031/.0012 .121/.0048	22.10/0.870	F23	1	4037	
3	41.218/1.6228 41.231/1.6233	44.425/1.7490 44.450/1.7500	1.588/0.0625	.018/.0007 .108/.0043	24.13/0.950	F23	1	4038	
Small End - not bored, single pieces.									
	21.987/0.8656 22.000/0.8661	24.000/0.9449 24.021/0.9457			28.70/1.130	F100	1	RB4028	**RB4028** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
1982cc (2.0) H20-II		**L4**	**87.2mm x 83mm**	**Connecting Rod 23-27 ft.lbs** **Main Bearing 61-69 ft.lbs**	6

Rod									
	44.961/1.7701 44.974/1.7706	48.000/1.8898 48.013/1.8903	1.508/0.0594	.010/.0004 .062/.0024	18.60/0.732	F780	8	1630 IH	**4B1630** Std. .25 .50 .75 1.0
Main									
1,2,4,5	62.942/2.4780 62.955/2.4785	66.645/2.6238 66.658/2.6243	1.834/0.0722	.022/.0009 .074/.0029	22.00/0.866	F780	8	2758 IH	**5M2759** Std. .25 .50 .75 1.0
3 (FI)	62.942/2.4780 62.955/2.4785	66.645/2.6238 66.658/2.6243	1.834/0.0722	.022/.0009 .074/.0029	33.95/1.337	F780	2	2759 IH	
Overflange length remains constant for standard and undersizes.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
1595cc (1.6) (L16)		**L4**	**83mm x 74mm**	**Connecting Rod 25 ft.lbs/34 Nm** (L16 engines)	7
1770cc (1.8) (L18)		**L4**	**85mm x 78mm**	**Connecting Rod 37 ft.lbs/50 Nm** (L18 engines)	
1770cc (1.8) (L18)	**H**	**L4**	**85mm x 78mm**	**Main Bearing 37 ft.lbs/50 Nm**	
1770cc (1.8) (L18)	**P**	**L4**	**85mm x 78mm**		

Rod									
	49.962/1.9670 49.975/1.9675	53.005/2.0868 53.013/2.0871	1.506/0.0593	.018/.0007 .066/.0026	22.10/0.870	F780	8	1171 IH	**4B1171** Std. .25 .50 .75 1.0
Main									
1,5	54.942/2.1631 54.955/2.1636	58.645/2.3089 58.658/2.3094	1.835/0.0722	.020/.0008 .071/.0028	26.10/1.028	F780	4	1172 U/L	**5M1172** Std. .25 .50 .75 1.0
2,4	54.942/2.1631 54.955/2.1636	58.645/2.3089 58.658/2.3094	1.835/0.0722	.020/.0008 .071/.0028	24.10/0.949	F780	4	1174 U/L	
3 (FI)	54.942/2.1631 54.955/2.1636	58.645/2.3089 58.658/2.3094	1.835/0.0722	.020/.0008 .071/.0028	31.95/1.258	F780	2	1173 U/L	
Overflange length remains constant for standard and undersizes.									

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
8 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1597cc (1.6) (GA16DE)			**L4**	**76mm x 88mm**		**Connecting Rod 10-12 ft.lbs + 35-40 deg** (QG18			
1597cc (1.6) (GA16DE)			**A L4**	**76mm x 88mm**		engines)			
1597cc (1.6) (GA16DE)			**E L4**	**76mm x 88mm**		**Connecting Rod 23-27 ft.lbs** (GA16 engines)			
1597cc (1.6) (GA16DE)			**P L4**	**76mm x 88mm**		**Main Bearing 35-38 ft.lbs/47-52 Nm**			
1597cc (1.6) (GA16I)			**G L4**	**76mm x 88mm**					
1809cc (1.8) (QG18DE)			**L4**	**80mm x 88mm**					
	Rod								
4B1620		39.954/1.5730	43.000/1.6929	1.503/0.0592	.020/.0008	17.10/0.673	F780	8	1620
Std. .25 .50 .75 1.0		39.974/1.5738	43.013/1.6934		.079/.0031				IH
	Rod - to be superceded by 4B1620 when stock exhausted.								
4B2950		39.956/1.5731	43.000/1.6929	1.505/0.0593	.016/.0006	17.10/0.673	F780	8	2950
Std. .25 .50 .75 1.0		39.974/1.5738	43.013/1.6934		.073/.0029				IH
	Main - Suits GA16 and QG18 engines - High Strength Aluminum Silicon material.								
5M2949A	1-5	49.940/1.9661	53.644/2.1120	1.830/0.0720	.019/.0007	16.10/0.634	F810	10	2949A
Std. .25 .50 .75 1.0		49.964/1.9671	53.668/2.1129		.080/.0031				U/L
	Main - Suits GA16 engines - to be superceded by 5M2949A when stock exhausted.								
5M2952	1-5	49.940/1.9661	53.644/2.1120	1.830/0.0720	.020/.0008	17.10/0.673	F780	10	2952
Std. .25 .50 .75		49.964/1.9671	53.668/2.1129		.094/.0037				U/L
	Thrust								
1T2952		56.000/2.2047	70.750/2.7854	1.970/0.0776			F817	2	2952T
Std.		56.250/2.2146	71.000/2.7953						U/L
	Note: Set includes two pieces. Required with 5M2949A main set. (Supercedes 2T2952)								
	Small End - not bored, single pieces.								
RB4107		19.000/0.7480	22.000/0.8661			21.80/0.858	F100	1	RB4107
Semi		19.000/0.7480	22.000/0.8661						
9 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1597cc (1.6) CA16DET Turbo			**L4**	**78mm x 83.6mm**		**Connecting Rod 23-27 ft.lbs/31-37 Nm**			
1597cc (1.6) (CA16DE)			**L4**	**78mm x 83.6mm**		**Main Bearing 33-40 ft.lbs/44-54 Nm**			
1598cc (1.6) CA16			**L4**	**78mm x 83.6mm**					
1688cc (1.7) (CD17) Diesel			**S L4**	**80mm x 83.6mm**					
1809cc (1.8) DOHC (CA18DE)			**C L4**	**83mm x 83.6mm**					
1809cc (1.8) SOHC (CA18ET) Turbo			**C L4**	**83mm x 83.6mm**					
1974cc (2.0) (CA20E)			**H L4**	**84.5mm x 88mm**					
1974cc (2.0) (CA20E)			**P L4**	**84.5mm x 88mm**					
1974cc (2.0) (CA20S)			**H L4**	**84.5mm x 88mm**					
	Rod								
4B1630		44.961/1.7701	48.000/1.8898	1.508/0.0594	.010/.0004	18.60/0.732	F780	8	1630
Std. .25 .50 .75 1.0		44.974/1.7706	48.013/1.8903		.062/.0024				IH
	Main - supercedes 5M1634.								
5M1633	1,2,4,5	52.951/2.0847	56.654/2.2305	1.830/0.0720	.030/.0012	20.00/0.787	F780	8	1633
Std. .25 .50 .75		52.964/2.0852	56.667/2.2310		.082/.0032				U/L
	3 (FI)	52.951/2.0847	56.654/2.2305	1.835/0.0722	.025/.0010	27.95/1.100	F780	2	1635
		52.964/2.0852	56.667/2.2310		.077/.0030				U/L
	Overflange length remains constant for standard and undersizes.								
10 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1952cc (2.0) (L20B)			**H L4**	**85mm x 86mm**		**Connecting Rod 37 ft.lbs/50 Nm**			
1952cc (2.0) (Z20)			**F L4**	**85mm x 86mm**		**Main Bearing 37 ft.lbs/50 Nm**			
1952cc (2.0) (Z20E)			**P L4**	**85mm x 86mm**					
1952cc (2.0) (Z20S)			**H L4**	**85mm x 86mm**					
2187cc (2.2) (Z22)			**M L4**	**87mm x 92mm**					
2187cc (2.2) (Z22E)			**R L4**	**87mm x 92mm**					
2389cc (2.4) (Z24)			**N L4**	**89mm x 96mm**					
2389cc (2.4) (Z24I)			**N L4**	**89mm x 96mm**					
2389cc (2.4) (Z24I)			**S L4**	**89mm x 96mm**					
	Rod								
4B1171		49.962/1.9670	53.005/2.0868	1.506/0.0593	.018/.0007	22.10/0.870	F780	8	1171
Std. .25 .50 .75 1.0		49.975/1.9675	53.013/2.0871		.066/.0026				IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 10
Main									
1	59.942/2.3599 59.955/2.3604	63.645/2.5057 63.658/2.5062	1.835/0.0722	.020/.0008 .071/.0028	26.10/1.028	F780	2	1176 U/L	**5M1176** Std. .25 .50 .75 1.0
2,4	59.942/2.3599 59.955/2.3604	63.645/2.5057 63.658/2.5062	1.835/0.0722	.019/.0007 .066/.0026	24.10/0.949	F780	4	1177 U/L	
3(FI)	59.942/2.3599 59.955/2.3604	63.645/2.5057 63.658/2.5062	1.835/0.0722	.019/.0007 .066/.0026	31.95/1.258	F780	2	1178 IH	
5	59.942/2.3599 59.955/2.3604	63.645/2.5057 63.658/2.5062	1.835/0.0722	.020/.0008 .071/.0028	26.10/1.028	F780	1	1179 U	
5	59.942/2.3599 59.955/2.3604	63.645/2.5057 63.658/2.5062	1.835/0.0722	.020/.0008 .071/.0028	26.10/1.028	F780	1	1176 L	
Overflange length remains constant for standard and undersizes.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 11
1991cc (2.0) SD20 Diesel		**L4**	**83mm x 92mm**	**Connecting Rod 36-40 ft.lbs/49-54 Nm**
2164cc (2.2) SD22 Diesel		**L4**	**83mm x 100mm**	**Main Bearing 108-116 ft.lbs/146-157 Nm** (5 Main)
2164cc (2.2) (SD22) Diesel	**S**	**L4**	**83mm x 100mm**	**Main Bearing 123-127 ft.lbs/167-172 Nm** (3 Main)
2289cc (2.3) SD23 Diesel		**L4**	**89mm x 92mm**	
2488cc (2.5) (SD25) Diesel	**J**	**L4**	**89mm x 100mm**	

Rod									
	52.913/2.0832 52.926/2.0837	55.987/2.2042 56.000/2.2047	1.506/0.0593	.049/.0019 .101/.0040	26.04/1.025	F780	8	1366 IH	**4B1366** Std. .25 .50 .75 1.0
Main - for SD20 (to 5/79), SD22 (to 7/80) engines with 3 main crankshaft.									
1,2,3	70.907/2.7916 70.920/2.7921	74.981/2.9520 75.000/2.9528	2.015/0.0793	.031/.0012 .089/.0035	31.87/1.255	F780	6	1367 U/L	**3M1367** Std. .25 .50 .75 1.0
Main - for SD20 (6/79 on), SD22 (8/80 on), SD23 (8/80 on), SD25 (12/81 on) engines with 5 main crankshaft.									
1-5	70.907/2.7916 70.920/2.7921	74.981/2.9520 75.000/2.9528	2.015/0.0793	.031/.0012 .089/.0035	26.00/1.024	F780	10	1369 IH	**5M1369** Std. .25 .50 .75 1.0
Thrust									
4	78.610/3.0949 78.870/3.1051	93.472/3.6800 93.726/3.6900			2.36/0.093	F250	4	1367T U/L	**2T1367** Std.
Note: Set includes four pieces, use on No.2 position. Required with 3M1367/5M1369 main set.									
Cam									
1	45.434/1.7887 45.447/1.7892	48.641/1.9150 48.666/1.9160	1.588/0.0625	.018/.0007 .108/.0043	24.13/0.950	F23	1	4036	**3C4036** Std.
2	43.897/1.7282 43.910/1.7287	47.117/1.8550 47.142/1.8560	1.588/0.0625	.031/.0012 .121/.0048	22.10/0.870	F23	1	4037	
3	41.218/1.6228 41.231/1.6233	44.425/1.7490 44.450/1.7500	1.588/0.0625	.018/.0007 .108/.0043	24.13/0.950	F23	1	4038	
Small End - not bored, single pieces. For SD20 (81-83), SD22 (81-83), SD23 (81-88) and SD25 (81-88) only.									
	26.000/1.0236 (Nominal)	29.000/1.1417 (Nominal)			32.00/1.260	F100	1	RB4081	**RB4081** Semi
Small End - not bored, single pieces. For SD20 & SD22 engines 1963-80 only.									
	26.000/1.0236 (Nominal)	29.000/1.1417 29.025/1.1427			30.10/1.185	F100	1	RB4096	**RB4096** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 12
1998cc (2.0) DOHC (SR20DE)		**L4**	**86mm x 86mm**	**Connecting Rod 14-16 ft.lbs/19-22 Nm** Step 1
1998cc (2.0) DOHC (SR20DE)	**B**	**L4**	**86mm x 86mm**	**Connecting Rod 30-34 ft.lbs/41-46 Nm** Step 2
1998cc (2.0) DOHC (SR20DE)	**G**	**L4**	**86mm x 86mm**	**Main Bearing 54-61 ft.lbs/73-82 Nm**

Rod									
	47.956/1.8880 47.974/1.8887	51.000/2.0079 51.013/2.0084	1.503/0.0592	.020/.0008 .076/.0030	17.10/0.673	F780	8	2960 IH	**4B2960** Std. .25 .50 .75 1.0
Main									
1-5	54.956/2.1636 54.980/2.1646	58.944/2.3206 58.968/2.3216	1.980/0.0780	.004/.0002 .078/.0031	19.10/0.752	F780	10	2964 U/L	**5M2964** Std. .25 .50 .75
N									

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
12 (Cont'd.)									
	Thrust								
1T2964 Std.	3	61.500/2.4213 61.750/2.4311	83.050/3.2697 83.300/3.2795			1.95/0.077	F250	2	2964T IH
	Note: Set includes two pieces, use on No.3 position. Required with 5M2964 main set.								

13 ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
1998cc (2.0) L20		**L6**	**78mm x 69.7mm**	**Connecting Rod 37 ft.lbs/50 Nm**
1998cc (2.0) L20E		**L6**	**78mm x 69.7mm**	**Main Bearing 37 ft.lbs/50 Nm**
2393cc (2.4) (L24)		**L6**	**83mm x 73.7mm**	
2393cc (2.4) (L24E)	**H**	**L6**	**83mm x 73.7mm**	

	Rod - 0.870"/22.1mm wide bearing for L20 to 1966-79 and L24/L24E to 6/82 only.								
6B1171 Std. .25 .50 .75 1.0		49.962/1.9670 49.975/1.9675	53.005/2.0868 53.013/2.0871	1.506/0.0593	.018/.0007 .066/.0026	22.10/0.870	F780	12	1171 IH
	Rod - 0.732"/18.6mm wide bearing for L20E from 1980-89 & L24E from 7/82 on.								
6B1630 Std. .25 .50 .75 1.0		44.961/1.7701 44.974/1.7706	48.000/1.8898 48.013/1.8903	1.508/0.0594	.010/.0004 .062/.0024	18.60/0.073	F780	12	1630 IH
	Main								
7M1172 Std. .25 .50 .75 1.0	1,7	54.942/2.1631 54.955/2.1636	58.645/2.3089 58.658/2.3094	1.835/0.0722	.020/.0008 .071/.0028	26.10/1.028	F780	4	1172 U/L
	2,3,5,6	54.942/2.1631 54.955/2.1636	58.645/2.3089 58.658/2.3094	1.835/0.0722	.020/.0008 .071/.0028	24.10/0.949	F780	8	1174 U/L
	4(Fl)	54.942/2.1631 54.955/2.1636	58.645/2.3089 58.658/2.3094	1.835/0.0722	.020/.0008 .071/.0028	31.95/1.258	F780	2	1173 U/L
	Overflange length remains constant for undersizes.								

14 ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
2389cc (2.4) DOHC (KA24DE)		**L4**	**89mm x 96mm**	**Connecting Rod 14-16 ft.lbs/19-22 Nm** Step 1
2389cc (2.4) DOHC (KA24DE)	**A**	**L4**	**89mm x 96mm**	**Connecting Rod 28-32 ft.lbs/38-44 Nm** Step 2
2389cc (2.4) DOHC (KA24DE)	**B**	**L4**	**89mm x 96mm**	**Main Bearing 33-38 ft.lbs/45-52 Nm**
2389cc (2.4) DOHC (KA24DE)	**D**	**L4**	**89mm x 96mm**	
2389cc (2.4) DOHC (KA24DE)	**M**	**L4**	**89mm x 96mm**	
2389cc (2.4) SOHC (KA24E)	**F**	**L4**	**89mm x 96mm**	
2389cc (2.4) SOHC (KA24E)	**H**	**L4**	**89mm x 96mm**	
2389cc (2.4) SOHC (KA24E)	**S**	**L4**	**89mm x 96mm**	

	Rod								
4B2746 Std. .25 .50 .75 1.0		49.961/1.9670 49.974/1.9675	53.000/2.0866 53.013/2.0871	1.508/0.0594	.010/.0004 .061/.0024	20.00/0.787	F780	8	2746 IH
	Main								
5M2747 Std. .25 .50 .75 1.0	1,2,4,5	59.962/2.3607 59.975/2.3612	63.659/2.5062 63.672/2.5068	1.835/0.0722	.014/.0005 .066/.0026	19.00/0.748	F780	8	2747 U/L
	3(Fl)	59.962/2.3607 59.975/2.3612	63.659/2.5062 63.672/2.5068	1.835/0.0722	.014/.0005 .066/.0026	26.95/1.061	F780	2	2748 U/L
	Small End - single pieces, not bored.								
RB4105 Semi			24.000/0.9449 (Nominal)			24.80/0.976	F100	1	RB4105

15 ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
152 2491cc (2.5) TD25 Diesel		**L4**	**89mm x 100mm**	**Connecting Rod 58-61 ft.lbs/79-83 Nm**
162 2663cc (2.7) TD27 Diesel		**L4**	**96mm x 92mm**	**Main Bearing 123-130 ft.lbs/167-177 Nm**

	Rod								
4B2966 Std. .25 .50 .75 1.0		56.913/2.2407 56.926/2.2412	59.987/2.3617 60.000/2.3622	1.513/0.0596	.035/.0014 .087/.0034	26.10/1.028	F780	8	2966 IH
	Main								
5M2965 Std. .25 .50 .75 1.0	1-5	70.907/2.7916 70.920/2.7921	74.981/2.9520 75.000/2.9528	2.013/0.0793	.035/.0014 .093/.0037	26.00/1.024	F780	10	2965 U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 15
Thrust									
4	78.610/3.0949 78.870/3.1051	93.472/3.6800 93.726/3.6900			2.36/0.093	F250	4	1367T U/L	**2T1367** Std.
Note: Set includes four pieces, use on No. 4 position. Required with 5M2965 main set.									
Cam									
1	50.716/1.9967 50.739/1.9976	53.830/2.1193	1.521/0.0599		20.49/0.807	F23	1	4055	**5C1470S** Std.
2	50.520/1.9890 50.540/1.9898	53.630/2.1114	1.521/0.0599		22.00/0.866	F23	1	4056	
3	50.320/1.9811 50.340/1.9819	53.429/2.1035	1.521/0.0599		22.00/0.866	F23	1	4057	
4	50.120/1.9732 50.140/1.9740	53.230/2.0957	1.521/0.0599		22.00/0.866	F23	1	4058	
5	49.920/1.9654 49.940/1.9661	53.030/2.0878	1.521/0.0599		22.00/0.866	F23	1	4059	
Small End - single pieces, not bored.									
		31.000/1.2205 31.020/1.2213			32.50/1.280	F100	1	RB4101	**RB4101** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	16
2498cc (2.5) (RB25DET) Turbo		**L6**	**86mm x 71.7mm**		
2568cc (2.6) (RB26DETT) Turbo		**L6**	**86mm x 73.7mm**		

Rod - Race Series set.									
	47.956/1.8880 47.974/1.8887	51.000/2.0079 51.013/2.0084	1.503/0.0592	.020/.0008 .067/.0026	17.10/0.673	F781	12	2960H IH	**6B2960H** Std. .025 .25
Rod - Race Series set. Bearings are .0005" thinner per half to give .001" extra clearance for standard cranks.									
	47.956/1.8880 47.974/1.8887	51.000/2.0079 51.013/2.0084	1.490/0.0587	.045/.0018 .092/.0036	17.10/0.673	F781	12	2960HX IH	**6B2960HX** Std.
Main - Race Series set.									
1,2,3,5,6, 7	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.827/0.0719	.016/.0006 .069/.0027	19.12/0.753	F780	6	2429H U	**7M2428H** Std. .025 .25 .50
1,2,3,5,6, 7	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.827/0.0719	.016/.0006 .069/.0027	19.12/0.753	F780	6	2394H L	
4 (FI)	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.827/0.0719	.016/.0006 .069/.0027	27.00/1.063	F780	2	2428H U/L	
Main - Race Series set. Bearings are .0005" thinner per half to give .001" extra clearance for standard cranks.									
1,2,3,5,6, 7	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.814/0.0714	.041/.0016 .094/.0037	19.12/0.753	F780	6	2429HX U	**7M2428HX** Std.
1,2,3,5,6, 7	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.814/0.0714	.041/.0016 .094/.0037	19.12/0.753	F780	6	2394HX L	
4 (FI)	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.814/0.0714	.041/.0016 .094/.0037	27.00/1.063	F780	2	2428HX U/L	
Small End - single pieces, not bored.									
	21.000/0.8268 21.012/0.8272	23.975/0.9439 24.000/0.9449	1.720/0.0677		21.75/0.856	F100	1	RB4074	**RB4074** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	17
2565cc (2.6) (L26)	**R**	**L6**	**83mm x 79mm**	**Connecting Rod 37 ft.lbs/50 Nm**	
2753cc (2.8) (L28E)	**H**	**L6**	**86mm x 79mm**	**Main Bearing 37 ft.lbs/50 Nm** (Exc. LD28 diesel)	
2753cc (2.8) (L28ET) Turbo	**C**	**L6**	**86mm x 79mm**	**Main Bearing 51-58 ft.lbs/69-78 Nm** (LD28 diesel eng. only)	
2793cc (2.8) (LD28) Diesel	**S**	**L6**	**84.5mm x 83mm**		

Rod									
	49.962/1.9670 49.975/1.9675	53.005/2.0868 53.013/2.0871	1.506/0.0593	.018/.0007 .066/.0026	22.10/0.870	F780	12	1171 IH	**6B1171** Std. .25 .50 .75 1.0

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
17 (Cont'd.)									
	Main								
7M1172	1,7	54.942/2.1631	58.645/2.3089	1.835/0.0722	.020/.0008	26.10/1.028	F780	4	1172
Std. .25 .50 .75 1.0		54.955/2.1636	58.658/2.3094		.071/.0028				U/L
	2,3,5,6	54.942/2.1631	58.645/2.3089	1.835/0.0722	.020/.0008	24.10/0.949	F780	8	1174
		54.955/2.1636	58.658/2.3094		.071/.0028				U/L
	4(FI)	54.942/2.1631	58.645/2.3089	1.835/0.0722	.020/.0008	31.95/1.258	F780	2	1173
		54.955/2.1636	58.658/2.3094		.071/.0028				U/L
	Overflange length remains constant for undersizes.								

18 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2960cc (3.0) SOHC (VG30)	**H**	**V6**	**87mm x 83mm**	**Connecting Rod 33-40 ft.lbs/45-54 Nm**
2960cc (3.0) SOHC (VG30E)	**1**	**V6**	**87mm x 83mm**	**Main Bearing 67-74 ft.lbs/91-100 Nm**
2960cc (3.0) SOHC (VG30E)	**H**	**V6**	**87mm x 83mm**	
2960cc (3.0) SOHC (VG30E)	**W**	**V6**	**87mm x 83mm**	
2960cc (3.0) SOHC (VG30I)	**H**	**V6**	**87mm x 83mm**	
2960cc (3.0) SOHC (VG30T) Turbo	**C**	**V6**	**87mm x 83mm**	
3275cc (3.3) SOHC (VG33E)		**V6**	**91.4mm x 83mm**	
3275cc (3.3) SOHC (VG33E)	**A**	**V6**	**91.4mm x 83mm**	
3275cc (3.3) SOHC (VG33ER) Supercharged		**V6**	**91.4mm x 83mm**	

	Rod								
6B2390		49.961/1.9670	53.000/2.0866	1.506/0.0593	.014/.0006	17.09/0.673	F780	12	2390
Std. .25 .50 .75 1.0		49.974/1.9675	53.011/2.0870		.064/.0025				IH
	Main								
4M2777	1	62.951/2.4784	66.645/2.6238	1.829/0.0720	.028/.0011	22.50/0.886	F780	2	2777
Std. .25 .50 .75 1.0		62.974/2.4793	66.657/2.6243		.099/.0039				U/L
	2,3	62.951/2.4784	66.645/2.6238	1.829/0.0720	.028/.0011	19.00/0.748	F780	4	2778
		62.974/2.4793	66.657/2.6243		.099/.0039				U/L
	4 (FI)	62.951/2.4784	66.645/2.6238	1.829/0.0720	.028/.0011	28.85/1.136	F780	2	2779
		62.974/2.4793	66.657/2.6243		.099/.0039				U/L
	Overflange length remains constant for standard and undersizes.								

19 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2960cc (3.0) DOHC (VE30DE)	**E**	**V6**	**87mm x 83mm**	**Connecting Rod 12 ft.lbs + 60-65 deg**
2960cc (3.0) DOHC (VG30DE)	**R**	**V6**	**87mm x 83mm**	**Main Bearing 67-74 ft.lbs/91-100 Nm**
2960cc (3.0) DOHC (VG30DETT) Turbo	**C**	**V6**	**87mm x 83mm**	

	Rod								
6B2390		49.961/1.9670	53.000/2.0866	1.506/0.0593	.014/.0006	17.09/0.673	F780	12	2390
Std. .25 .50 .75 1.0		49.974/1.9675	53.011/2.0870		.064/.0025				IH
	Main								
4M2737	2,3	62.951/2.4784	66.645/2.6238	1.830/0.0720	.011/.0004	19.00/0.748	F780	4	2737
Std. .25 .50 .75 1.0		62.974/2.4793	66.672/2.6249		.077/.0030				U/L
	4 (FI)	62.951/2.4784	66.645/2.6238	1.830/0.0720	.011/.0004	28.85/1.136	F780	2	2738
		62.974/2.4793	66.672/2.6249		.077/.0030				U/L
	1	62.951/2.4784	66.645/2.6238	1.830/0.0720	.011/.0004	22.50/0.886	F780	2	2739
		62.974/2.4793	66.672/2.6249		.077/.0030				U/L
	Overflange length remains constant for standard and undersizes.								

20 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2962cc (3.0) (RB30)		**L6**	**86mm x 85mm**	
2962cc (3.0) (RB30ET) Turbo		**L6**	**86mm x 85mm**	

	Rod								
6B2390		49.961/1.9670	53.000/2.0866	1.506/0.0593	.014/.0006	17.09/0.673	F780	12	2390
Std. .25 .50 .75 1.0		49.974/1.9675	53.011/2.0870		.064/.0025				IH
	Rod - Race Series set.								
6B2390H		49.961/1.9670	53.000/2.0866	1.503/0.0592	.020/.0008	17.10/0.673	F781	12	2390H
Std. .025 .25 .50		49.974/1.9675	53.011/2.0870		.060/.0024				IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 20
Rod - Race Series set. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	49.961/1.9670 49.974/1.9675	53.000/2.0866 53.011/2.0870	1.490/0.0587	.045/.0018 .086/.0034	17.10/0.673	F781	12	2390HX IH	**6B2390HX** Std.
Main									
1-6	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.830/0.0720	.010/.0004 .073/.0029	19.12/0.753	F780	12	2394 U/L	**7M2394** Std. .25 .50 .75
7 (F)	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.830/0.0720	.010/.0004 .073/.0029	26.95/1.061	F780	2	2395 U/L	
Main - Race Series set.									
1,2,3,5,6, 7	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.827/0.0719	.016/.0006 .069/.0027	19.12/0.753	F780	12	2394H U/L	**7M2394H** Std. .025 .25 .50
4 (Fl)	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.827/0.0719	.016/.0006 .069/.0027	26.95/1.061	F780	2	2395H U/L	
Main - Race Series set. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1,2,3,5,6, 7	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.814/0.0714	.041/.0016 .095/.0037	19.12/0.753	F780	12	2394HX U/L	**7M2394HX** Std.
4 (Fl)	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.814/0.0714	.041/.0016 .095/.0037	26.95/1.061	F780	2	2395HX U/L	
Small End - single pieces, not bored.									
	21.000/0.8268 21.012/0.8272	23.975/0.9439 24.000/0.9449	1.720/0.0677		21.75/0.856	F100	1	RB4074	**RB4074** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2988cc (3.0) DOHC (VQ30DE)		**V6**	**93mm x 73.3mm**	**Connecting Rod 24-28 ft.lbs + 90 deg**	21
2988cc (3.0) DOHC (VQ30DE)	**C**	**V6**	**93mm x 73.3mm**	**Main Bearing 67-74 ft.lbs/91-100 Nm**	

Rod									
	44.958/1.7700 44.974/1.7706	48.000/1.8898 48.013/1.8903	1.502/0.0591	.034/.0013 .059/.0023	17.00/0.669	F780	12	2630 IH	**6B2630** Std. .25 .50 .75
Main									
1-4	59.951/2.3603 59.975/2.3612	63.993/2.5194 64.017/2.5203	2.140/0.0843 (@ 0.25 u/s)	.035/.0014 .065/.0026	20.12/0.792	F780	8	2633 U/L	**4M2633** .25 .50 .75
Note : There is no STD undersize for this set due to numerous STD grades used by the OEM.									
Thrust									
	66.500/2.6181 66.700/2.6260	79.250/3.1201 79.500/3.1299			1.94/0.076	F817	2	2633T U/L	**2T2633** Std.
Set includes four pieces. Required with 4M2633 main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
3246cc (3.3) SD33 Diesel		**L6**	**83mm x 100mm**	**Connecting Rods 36-40 ft.lbs/49-54 Nm**	22
3246cc (3.3) SD33T Turbo Diesel		**L6**	**83mm x 100mm**	**Main Bearing 125 ft.lbs/170 Nm**	

Rod									
	52.913/2.0832 52.926/2.0837	55.987/2.2042 56.000/2.2047	1.506/0.0593	.049/.0019 .101/.0040	26.04/1.025	F780	12	1366 IH	**6B1366** Std. .25 .50 .75 1.0
Main									
1,2,3,4	70.907/2.7916 70.920/2.7921	74.981/2.9520 75.000/2.9528	2.015/0.0793	.031/.0012 .089/.0035	31.87/1.255	F780	8	1367 U/L	**4M1367** Std. .25 .50 .75 1.0
Thrust									
4	78.610/3.0949 78.870/3.1051	93.472/3.6800 93.726/3.6900			2.36/0.093	F250	4	1367T U/L	**2T1367** Std.
Note: Set includes four pieces, use on No. 4 position. Required with 4M1367 main set.									
Cam - for 66-4/79 engines only									
1	45.434/1.7887 45.447/1.7892	48.641/1.9150 48.666/1.9160	1.588/0.6250	.018/.0007 .110/.0043	24.13/0.950	F23	1	4036	**4C4036** Std.
2,3	43.897/1.7282 43.910/1.7287	47.117/1.8550 47.142/1.8560	1.588/0.0625	.012/.0005 .031/.0012	22.10/0.870	F23	2	4037	
4	41.218/1.6628 41.231/1.6233	44.425/1.7490 44.450/1.7500	1.588/0.6250	.018/.0007 .110/.0043	24.13/0.950	F23	1	4038	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
22 (Cont'd.)									
	Cam - for all engines from 5/79 on								
4C4042 Std.	1	51.390/2.0232 51.400/2.0236	54.410/2.1421 54.430/2.1429	1.495/0.0589	.020/.0008 .090/.0035	24.25/0.955	F820	1	4042
	2	51.190/2.0154 51.200/2.0157	54.210/2.1342 54.230/2.1350	1.495/0.0589	.020/.0008 .090/.0035	22.25/0.876	F820	1	4043
	3	50.990/2.0075 51.000/2.0079	54.010/2.1264 54.030/2.1272	1.495/0.0589	.020/.0008 .090/.0035	22.25/0.876	F820	1	4044
	4	50.790/1.9996 50.800/2.0000	53.810/2.1185 53.830/2.1193	1.495/0.0589	.020/.0008 .090/.0035	24.25/0.955	F820	1	4045
	Small End								
RB4096 Semi		26.000/1.0236 (Nominal)	29.000/1.1417 29.025/1.1427			30.10/1.185	F100	1	RB4096

23 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
3298cc (3.3) ED33 Diesel		**L4**	**100mm x 105mm**	**Connecting Rod 83-86 ft.lbs/113-117 Nm**
3298cc (3.3) FD33 Diesel		**L4**	**100mm x 105mm**	**Main Bearing 123-126 ft.lbs/167-171 Nm**
3298cc (3.3) ED33T Turbo Diesel		**L4**	**100mm x 105mm**	
3298cc (3.3) FD33T Turbo Diesel		**L4**	**100mm x 105mm**	
3465cc (3.5) FD35 Diesel		**L4**	**102.5mm x 105mm**	
3465cc (3.5) FD35T Turbo Diesel	**S**	**L4**	**102.5mm x 105mm**	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
	Rod								
4B2776 Std. .25 .50 .75 1.0		61.920/2.4378 61.945/2.4388	65.980/2.5976 66.000/2.5984	1.998/0.0787	.037/.0015 .105/.0041	32.00/1.260	F780	8	2776 IH
	Main								
5M2775 Std. .25 .50 .75 1.0	1-5	75.920/2.9890 75.940/2.9898	79.980/3.1488 80.000/3.1496	1.995/0.0785	.050/.0020 .116/.0046	28.00/1.102	F780	10	2775 U/L
	Thrust								
2T2775 Std.	3	86.000/3.3858	101.800/4.0079			3.00/0.118	F100	4	2775T U/L
	Set contains 4 pieces, use on No.3 position. Required with 5M2775 main set.								

24 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
3498cc (3.5) DOHC (VQ35DE)		**V6**	**95.5mm x 81.4mm**	**Connecting Rod 14-15 ft.lbs + 90-95 deg** **Main Bearing 24-25 ft.lbs + 90-95 deg**

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
	Rod								
6B2640 Std. .25 .50 .75		51.956/2.0455 51.975/2.0463	55.000/2.1654 55.013/2.1659	1.502/0.0591	.022/.0009 .069/.0027	17.00/0.669	F780	12	2640 IH
	Rod - Race Series set.								
6B2640H Std. .025 .25		51.956/2.0455 51.975/2.0463	55.000/2.1654 55.013/2.1659	1.502/0.0591	.022/.0009 .069/.0027	17.00/0.669	F781	12	2640H IH
	Rod - Race Series set. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
6B2640HX Std.		51.956/2.0455 51.975/2.0463	55.000/2.1654 55.013/2.1659	1.489/0.0586	.047/.0019 .094/.0037	17.00/0.669	F781	12	2640HX IH
	Main								
4M2633 .25 .50 .75	1-4	59.951/2.3603 59.975/2.3612	63.993/2.5194 64.017/2.5203	2.140/0.0843 (@ 0.25 u/s)	.035/.0014 .065/.0026	20.12/0.792	F780	8	2633 U/L
	Note : There is no STD undersize for this set due to numerous STD grades used by the OEM.								
	Main - Race Series set.								
4M2633H Std. .025 .25	1-4	59.951/2.3603 59.975/2.3612	63.993/2.5194 64.017/2.5203	2.140/0.0843	.035/.0014 .065/.0026	20.12/0.792	F780	8	2633H U/L
	Main - Race Series set. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
4M2633HX Std.	1-4	59.951/2.3603 59.975/2.3612	63.993/2.5194 64.017/2.5203	2.140/0.0843	.060/.0024 .090/.0035	20.12/0.792	F780	8	2633HX U/L
	Thrust								
2T2633 Std.		66.500/2.6181 66.700/2.6260	79.250/3.1201 79.500/3.1299			1.94/0.076	F817	2	2633T U/L
	Set includes four pieces. Required with 4M2633 main set.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**25**
3956cc (4.0) P/PF			**L6**	**85.7mm x 114.3mm**	**Connecting Rod 35-45 ft.lbs/48-61 Nm**				
3956cc (4.0) P40/PF			**L6**	**85.7mm x 114.3mm**	**Main Bearing 72-86 ft.lbs/98-117 Nm**				
Rod									
	57.131/2.2492 57.150/2.2500	60.180/2.3693 60.198/2.3700	1.504/0.0592	.022/.0009 .086/.0034	26.16/1.030	F780	12	1301 IH	**6B1301** Std. 10 20 30 40 50
Main - for 1979-90 engines only.									
1(Fl)	69.275/2.7274 69.300/2.7283	73.000/2.8740 73.025/2.8750	1.831/0.0721	.045/.0018 .084/.0033	40.50/1.594	F780	2	1305 U/L	**7M1305** Std. 10 20 30 40
2,3,5,6	69.276/2.7274 69.299/2.7283	72.997/2.8739 73.002/2.8741	1.831/0.0721	.036/.0014 .089/.0035	26.13/1.029	F780	8	1304 U/L	
4	69.276/2.7274 69.299/2.7283	72.997/2.8739 73.002/2.8741	1.831/0.0721	.036/.0014 .089/.0035	49.12/1.934	F780	2	1302 U/L	
7	69.276/2.7274 69.299/2.7283	72.997/2.8739 73.002/2.8741	1.831/0.0721	.036/.0014 .089/.0035	41.12/1.619	F780	2	1303 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	49.124/1.9340 49.149/1.9350	52.450/2.0650 52.470/2.0657	1.646/0.0648	.009/.0004 .104/.0041	29.64/1.167	F23	1	4286	**4C4286** Std.
2	48.920/1.9260 48.945/1.9270	52.250/2.0571 52.270/2.0579	1.646/0.0648	.013/.0005 .108/.0043	19.30/0.760	F23	1	4287	
3	48.616/1.9140 48.641/1.9150	51.940/2.0449 51.960/2.0457	1.646/0.0648	.007/.0003 .102/.0040	19.30/0.760	F23	1	4288	
4	48.311/1.9020 48.336/1.9030	51.640/2.0331 51.660/2.0339	1.646/0.0648	.012/.0005 .107/.0042	32.00/1.260	F23	1	4289	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**26**
4165cc (4.2) TD42 Diesel			**L6**	**96mm x 96mm**	**Connecting Rod 58-61 ft.lbs/78-83 Nm**				
4165cc (4.2) TD42T Turbo Diesel		**R**	**L6**	**96mm x 96mm**	**Main Bearing 123-130 ft.lbs/167-177 Nm**				
Rod									
	56.913/2.2407 56.926/2.2412	59.987/2.3617 60.000/2.3622	1.513/0.0596	.035/.0014 .087/.0034	26.10/1.028	F780	12	2966 IH	**6B2966** Std. .25 .50 .75
Main									
1-7	70.907/2.7916 70.920/2.7921	74.981/2.9520 75.000/2.9528	2.013/0.0793	.035/.0014 .093/.0037	26.00/1.024	F780	14	2965 U/L	**7M2965** Std. .25 .50
Thrust									
4	78.610/3.0949 78.870/3.1051	93.472/3.6800 93.726/3.6900			2.36/0.093	F250	4	1367T U/L	**2T1367** Std.
Set includes 4 pieces. Required with 7M2965 main set.									
Small End - single pieces, not bored.									
		31.000/1.2205 31.020/1.2213			32.50/1.280	F100	1	RB4101	**RB4101** Semi

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Engine Disp.	Notation	VIN	Cyl.	Year	Line
1597cc (1.6).....	(CA16DE/DET)		L4		1
1809cc (1.8).....	(CA18DE/ET)		L4		1
1974cc (2.0).....	(CA20E/ET)		L4		1
1998cc (2.0).....	(SR20DE)		L4	91-01	2
1998cc (2.0).....	(SR20DET), Turbo		L4		3
2498cc (2.5).....	(RB25DET), Turbo		L6		4
2568cc (2.6).....	(RB26DETT), Turbo		L6		4
2960cc (3.0).....	(VG30DE)		V6		6
2960cc (3.0).....	(VG30DETT), Turbo		V6		6
2962cc (3.0).....	(RB30)		L6		5
2962cc (3.0).....	(RB30ET), Turbo		L6		5
3498cc (3.5).....	(VQ35DE)		V6		7

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1597cc (1.6) (CA16DE/DET)				**L4**	**78mm x 83.6mm**	**Connecting Rod 23-27 ft.lbs/31-37 Nm**			
1809cc (1.8) (CA18DE/ET)				**L4**	**83mm x 83.6mm**	**Main Bearing 33-40 ft.lbs/44-54 Nm**			
1974cc (2.0) (CA20E/ET)				**L4**	**84.5mm x 88mm**				
	Rod - Race Series.								
4B1630H Std. .025 .25 .50		44.961/1.7701 44.974/1.7706	48.000/1.8898 48.013/1.8903	1.508/0.0594	.010/.0004 .062/.0024	18.60/0.732	F781	8	1630H 1630H
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
4B1630HX Std.		44.961/1.7701 44.974/1.7706	48.000/1.8898 48.013/1.8903	1.495/0.0589	.035/.0014 .087/.0034	18.60/0.732	F781	8	1630HX IH
	Main - Race Series.								
5M1633H Std. .25 .50 .025	1,2,4,5	52.951/2.0847 52.964/2.0852	56.654/2.2305 56.667/2.2310	1.827/0.0719	.036/.0014 .078/.0031	20.00/0.787	F780	8	1633H U/L
	3 (FI)	52.951/2.0847 52.964/2.0852	56.654/2.2305 56.667/2.2310	1.832/0.0721	.031/.0012 .073/.0029	27.95/1.100	F780	2	1635H U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
5M1633HX Std.	1,2,4,5	52.951/2.0847 52.964/2.0852	56.654/2.2305 56.667/2.2310	1.814/0.0714	.061/.0024 .104/.0041	20.00/0.787	F780	8	1633HX U/L
	3 (FI)	52.951/2.0847 52.964/2.0852	56.654/2.2305 56.667/2.2310	1.819/0.0716	.056/.0022 .098/.0039	27.95/1.100	F780	2	1635HX U/L
	Overflange length remains constant for standard and undersizes.								
2 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1998cc (2.0) (SR20DE)				**L4**	**86mm x 86mm**	**Connecting Rod 14-16 ft.lbs/19-22 Nm** Step 1 **Connecting Rod 30-34 ft.lbs/41-46 Nm** Step 2 **Main Bearing 54-61 ft.lbs/73-82 Nm**			
	Rod - Race Series.								
4B2960H Std. .025 .25		47.956/1.8880 47.974/1.8887	51.000/2.0079 51.013/2.0084	1.503/0.0592	.020/.0008 .067/.0026	17.10/0.673	F781	8	2960H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
4B2960HX Std.		47.956/1.8880 47.975/1.8888	51.000/2.0079 51.013/2.0084	1.503/0.0592	.020/.0008 .067/.0026	17.10/0.673	F781	8	2960HX IH
	Main - Race Series.								
5M2964H Std. .025 .25 .50	1-5	54.956/2.1636 54.980/2.1646	58.944/2.3206 58.968/2.3216	1.975/0.0778	.014/.0006 .078/.0031	19.10/0.752	F780	10	2964H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
5M2964HX Std.	1-5	54.956/2.1636 54.980/2.1646	58.944/2.3206 58.968/2.3216	1.963/0.0773	.040/.0016 .103/.0041	19.10/0.752	F780	10	2964HX U/L
	Thrust								
1T2964 Std.	3	61.500/2.4213 61.750/2.4311	83.050/3.2697 83.300/3.2795			1.95/0.077	F250	2	2964T IH
	Note: Set includes two pieces, use on No.3 position. Required with 5M2964H/HX main set.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**3**
1998cc (2.0) (SR20DET) Turbo			**L4**	**86mm x 86mm**	**Connecting Rod 14-16 ft.lbs/19-22 Nm** Step 1 **Connecting Rod 30-34 ft.lbs/41-46 Nm** Step 2 **Main Bearing 54-61 ft.lbs/73-82 Nm**				
Rod - Race Series.									
	47.956/1.8880 47.974/1.8887	51.000/2.0079 51.013/2.0084	1.503/0.0592	.020/.0008 .067/.0026	19.10/0.752	F781	8	2976H IH	**4B2976H** Std. .025 .25
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
	47.956/1.8880 47.974/1.8887	51.000/2.0079 51.013/2.0084	1.490/0.0587	.045/.0018 .092/.0036	19.10/0.752	F781	8	2976HX IH	**4B2976HX** Std.
Main - Race Series.									
1-5	54.956/2.1636 54.980/2.1646	58.944/2.3206 58.968/2.3216	1.980/0.0780	.013/.0005 .068/.0027	19.10/0.752	F780	10	2975H U/L	**5M2975H** Std. .025 .25
Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
1-5	54.956/2.1636 54.980/2.1646	58.944/2.3206 58.968/2.3216	1.968/0.0775	.038/.0015 .093/.0037	19.10/0.752	F780	10	2975HX U/L	**5M2975HX** Std.
Thrust									
3	61.500/2.4213 61.750/2.4311	83.050/3.2697 83.300/3.2795			1.95/0.077	F250	2	2964T IH	**1T2964** Std.
Note: Set includes two pieces, use on No.3 position. Required with 5M2964H/HX main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**4**
2498cc (2.5) (RB25DET) Turbo			**L6**	**86mm x 71.7mm**					
2568cc (2.6) (RB26DETT) Turbo			**L6**	**86mm x 73.7mm**					
Rod - Race Series.									
	47.956/1.8880 47.974/1.8887	51.000/2.0079 51.013/2.0084	1.503/0.0592	.020/.0008 .067/.0026	17.10/0.673	F781	12	2960H IH	**6B2960H** Std. .025 .25
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
	47.956/1.8880 47.974/1.8887	51.000/2.0079 51.013/2.0084	1.490/0.0587	.045/.0018 .092/.0036	17.10/0.673	F781	12	2960HX IH	**6B2960HX** Std.
Main - Race Series.									
1,2,3,5,6,7	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.827/0.0719	.016/.0006 .069/.0027	19.12/0.753	F780	6	2429H U	**7M2428H** Std. .025 .25 .50
1,2,3,5,6,7	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.827/0.0719	.016/.0006 .069/.0027	19.12/0.753	F780	6	2394H L	
4 (FI)	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.827/0.0719	.016/.0006 .069/.0027	27.00/1.063	F780	2	2428H U/L	
Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
1,2,3,5,6,7	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.814/0.0714	.041/.0016 .094/.0037	19.12/0.753	F780	6	2429HX U	**7M2428HX** Std.
1,2,3,5,6,7	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.814/0.0714	.041/.0016 .094/.0037	19.12/0.753	F780	6	2394HX L	
4 (FI)	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.814/0.0714	.041/.0016 .094/.0037	27.00/1.063	F780	2	2428HX U/L	
Small End - single pieces, not bored.									
	21.000/0.8268 21.012/0.8272	23.975/0.9439 24.000/0.9449	1.720/0.0677		21.75/0.856	F100	1	RB4074	**RB4074** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**5**
2962cc (3.0) (RB30)			**L6**	**86mm x 85mm**					
2962cc (3.0) (RB30ET) Turbo			**L6**	**86mm x 85mm**					
Rod - Race Series.									
	49.961/1.9670 49.974/1.9675	53.000/2.0866 53.011/2.0870	1.503/0.0592	.020/.0008 .060/.0024	17.10/0.673	F781	12	2390H IH	**6B2390H** Std. .025 .25 .50
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
	49.961/1.9670 49.974/1.9675	53.000/2.0866 53.011/2.0870	1.490/0.0587	.045/.0018 .086/.0034	17.10/0.673	F781	12	2390HX IH	**6B2390HX** Std.

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
5 (Cont'd.)									
	Main - Race Series.								
7M2394H Std. .025 .25 .50	1,2,3,5, 6,7	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.827/0.0719	.016/.0006 .069/.0027	19.12/0.753	F780	12	2394H U/L
	4 (Fl)	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.827/0.0719	.016/.0006 .069/.0027	26.95/1.061	F780	2	2395H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
7M2394HX Std.	1,2,3,5, 6,7	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.814/0.0714	.041/.0016 .095/.0037	19.12/0.753	F780	12	2394HX U/L
	4 (Fl)	54.951/2.1634 54.975/2.1644	58.645/2.3089 58.658/2.3094	1.814/0.0714	.041/.0016 .095/.0037	26.95/1.061	F780	2	2395HX U/L
	Small End - single pieces, not bored.								
RB4074 Semi		21.000/0.8268 21.012/0.8272	23.975/0.9439 24.000/0.9449	1.720/0.0677		21.75/0.856	F100	1	RB4074

6 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2960cc (3.0) (VG30DE)		**V6**	**87mm x 83mm**	**Connecting Rod 12 ft.lbs + 60-65 deg**
2960cc (3.0) (VG30DETT) Turbo		**V6**	**87mm x 83mm**	**Main Bearing 67-74 ft.lbs/91-100 Nm**

	Rod - Race Series.								
6B2390H Std. .025 .25 .50		49.961/1.9670 49.974/1.9675	53.000/2.0866 53.011/2.0870	1.503/0.0592	.020/.0008 .060/.0024	17.10/0.673	F781	12	2390H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
6B2390HX Std.		49.961/1.9670 49.974/1.9675	53.000/2.0866 53.011/2.0870	1.490/0.0587	.045/.0018 .086/.0034	17.10/0.673	F781	12	2390HX IH
	Main - Race Series.								
4M2737H Std. .025 .25 .50	2,3	62.951/2.4784 62.974/2.4793	66.645/2.6238 66.672/2.6249	1.830/0.0720	.011/.0004 .077/.0030	19.00/0.748	F780	4	2737H U/L
	4 (Fl)	62.951/2.4784 62.974/2.4793	66.645/2.6238 66.672/2.6249	1.830/0.0720	.011/.0004 .077/.0030	28.85/1.136	F780	2	2738H U/L
	1	62.951/2.4784 62.674/2.4675	66.645/2.6238 66.672/2.6249	1.830/0.0720	.011/.0004 .077/.0030	22.50/0.886	F780	2	2739H U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
4M2737HX Std.	2,3	62.951/2.4784 62.974/2.4793	66.645/2.6238 66.672/2.6249	1.817/0.0715	.036/.0014 .102/.0040	19.00/0.748	F780	4	2737HX U/L
		62.951/2.4784 62.674/2.4675	66.645/2.6238 66.672/2.6249	1.817/0.0715	.036/.0014 .102/.0040	28.85/1.136			2738HX
		62.951/2.4784 62.974/2.4793	66.645/2.6238 66.672/2.6249	1.817/0.0715	.036/.0014 .102/.0040	22.50/0.886			2739HX
	Overflange length remains constant for standard and undersizes.								

7 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
3498cc (3.5) (VQ35DE)		**V6**	**95.5mm x 81.4mm**	**Connecting Rod 14-15 ft.lbs + 90-95 deg** **Main Bearing 24-25 ft.lbs + 90-95 deg**

	Rod - Race Series.								
6B2640H Std. .025 .25		51.956/2.0455 51.975/2.0463	55.000/2.1654 55.013/2.1659	1.502/0.0591	.022/.0009 .069/.0027	17.00/0.669	F781	12	2640H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
6B2640HX Std.		51.956/2.0455 51.975/2.0463	55.000/2.1654 55.013/2.1659	1.489/0.0586	.047/.0019 .094/.0037	17.00/0.669	F781	12	2640HX IH
	Main - Race Series.								
4M2633H Std. .025 .25	1-4	59.951/2.3603 59.975/2.3612	63.993/2.5194 64.017/2.5203	2.140/0.0843	.035/.0014 .065/.0026	20.12/0.792	F780	8	2633H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.								
4M2633HX Std.	1-4	59.951/2.3603 59.975/2.3612	63.993/2.5194 64.017/2.5203	2.140/0.0843	.060/.0024 .090/.0035	20.12/0.792	F780	8	2633HX U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 7
Thrust									
	66.500/2.6181 66.700/2.6260	79.250/3.1201 79.500/3.1299			1.94/0.076	F817	2	2633T U/L	**2T2633** Std.

Set includes four pieces. Required with 4M2633H/HX main set.

OLDSMOBILE

OLDSMOBILE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
112 (1.8)	OHC Pontiac Eng.	0	L4	82-86	2
112 (1.8)	OHV Chevrolet Eng.	G	L4	82-82	1
122 (2.0)	OHV Chevrolet Eng.	1	L4	87-88	3
122 (2.0)	OHV Chevrolet Eng.	B	L4	83-84	3
122 (2.0)	OHC Pontiac Eng.	K	L4	87-88	2
122 (2.0)	OHV Chevrolet Eng.	P	L4	83-86	3
134 (2.2)	OHV Chevrolet Eng.	4	L4	93-96	4
134 2198cc (2.2)	Ecotec (L61)	F	L4	02-04	5
138 (2.3)	SOHC (Quad 4)	3	L4	92-94	6
138 (2.3)	DOHC (Quad 4)	D	L4	87-95	6
140 (2.3)	DOHC (Quad 4 - H.O.)	A	L4	89-94	6
140 (2.3)	SOHC Chevrolet Eng.	B	L4	76-77	7
146 (2.4)	DOHC (Quad 4)	T	L4	97-01	8
146 (2.4)	DOHC (Quad 4) (LD9)	T	L4	96-96	8
151 2474cc (2.5)	Pontiac Eng.	1	L4	78-79	9
151 2474cc (2.5)	Pontiac Eng.	5	L4	80-83	9
151 2474cc (2.5)	Pontiac Eng.	R	L4	82-92	9
151 2474cc (2.5)	Pontiac Eng.	U	L4	85-91	10
151 2474cc (2.5)	Pontiac Eng.	V	L4	78-80	9
173 (2.8)		7	V6	80-80	11
173 (2.8)		W	V6	85-89	11
173 (2.8)		X	V6	81-86	11
173 (2.8)		Z	V6	82-84	11
181 (3.0)	Buick Eng.	E	V6	82-85	13
181 (3.0)	Buick Eng.	L	V6	85-88	13
189 (3.1)	Chevrolet Eng.	D	V6	90-94	12
189 (3.1)	Chevrolet Eng.	J	V6	99-99	12
189 (3.1)	Chevrolet Eng.	M	V6	93-99	12
189 (3.1)	Chevrolet Eng.	T	V6	89-93	12
189 (3.1)	Chevrolet Eng. (L82)	M	V6	96-96	12
204 (3.3)	Buick Eng.	N	V6	89-93	13
207 (3.4)	OHV	E	V6	96-04	17
207 (3.4)	DOHC	X	V6	91-96	17
215 (3.5)			V8	61-63	14
225 (3.7)	Buick Eng.		V6	64-65	15
231 (3.8)	3800 Series II (Buick Eng.), Supercharged	1	V6	96-99	16
231 (3.8)	3800 TPI (Buick Eng.), Supercharged	1	V6	92-95	16
231 (3.8)	Buick Eng.	2	V6	79-79	13
231 (3.8)	Buick Eng.	3	V6	84-88	13
231 (3.8)	Buick Eng.	A	V6	77-87	13
231 (3.8)	Buick Eng.	B	V6	86-86	13
231 (3.8)	3800 MFI/TPI (Buick Eng.)	C	V6	88-91	16
231 (3.8)	Buick Eng.	C	V6	75-77	15
231 (3.8)	3800 Series II (Buick Eng.)	K	V6	95-99	16
231 (3.8)	3800 MFI/TPI (Buick Eng.)	L	V6	91-95	16
250 (4.1)	Chevrolet Eng.		L6	66-72	18
250 (4.1)	Chevrolet Eng.	D	L6	73-76	18
252 (4.1)	Buick Eng.	4	V6	81-84	13
256 (4.2)		S	L6	02-04	19
260 (4.3)	Diesel	T	V6	82-85	20
260 (4.3)	Diesel	V	V6	82-85	20
260 (4.3)	Gas	8	V8	82-82	21
260 (4.3)	Gas	F	V8	75-81	21
260 (4.3)	Diesel	P	V8	79-80	22
262 (4.3)	Chevrolet Eng.	W	V6	92-01	23
262 (4.3)	Chevrolet Eng.	Z	V6	91-92	23
267 (4.4)	Chevrolet Eng.	J	V8	81-82	24
301 (4.9)	Pontiac Eng	Y	V8	79-79	25
305 (5.0)	Chevrolet Eng.	E	V8	91-92	24
305 (5.0)	Chevrolet Eng.	G	V8	79-79	24
305 (5.0)	Chevrolet Eng.	H	V8	78-87	24
305 (5.0)	Chevrolet Eng.	U	V8	77-78	24
307 (5.0)		9	V8	84-87	21
307 (5.0)		Y	V8	80-90	21
330 (5.4)			V8	64-67	21
350 (5.7)			V8	68-71	21
350 (5.7)	Chevrolet Eng.	7	V8	92-92	24
350 (5.7)	Chevrolet Eng.	G	V8	77-77	24
350 (5.7)		H	V8	72-73	21
350 (5.7)	Buick Eng.	H	V8	75-76	26
350 (5.7)	Buick Eng.	J	V8	75-76	26
350 (5.7)		K	V8	72-75	21
350 (5.7)	Chevrolet Eng.	L	V8	77-79	24
350 (5.7)		M	V8	74-74	21
350 (5.7)	Diesel	N	V8	78-85	22
350 (5.7)		R	V8	76-80	21
400 (6.6)			V8	65-69	28
400 (6.6)	Pontiac Eng.	R	V8	75-75	27
400 (6.6)	Pontiac Eng.	S	V8	75-75	27
403 (6.6)		K	V8	77-79	21
425 (7.0)			V8	65-67	28
455 (7.5)			V8	68-71	28
455 (7.5)		R	V8	74-74	28
455 (7.5)		S	V8	76-76	28
455 (7.5)		T	V8	72-76	28
455 (7.5)		U	V8	72-74	28
455 (7.5)		W	V8	72-75	28

OLDSMOBILE MODEL INDEX

Model	CID	cc	Liter	Description	Years
	122		2.0	OHV Chevrolet Eng.	87-88
	260		4.3		80
442	350		5.7		68-70
	400		6.6		65-69
	455		7.5		68-71
98	252		4.1	Buick Eng.	81
	307		5.0		80-81
	350		5.7		72-81
	400		6.6	Pontiac Eng.	75
	403		6.6		77-79
	425		7.0		65-67
	455		7.5		68-76
98 - HOLIDAY	425		7.0		65-67
98 - REGENCY	181		3.0	Buick Eng.	85
	231		3.8	3800 MFI/TPI (Buick Eng.)	88-94
	231		3.8	Buick Eng.	85-87
	252		4.1	Buick Eng.	81-83
	260		4.3		85
	307		5.0		80-84
	350		5.7		73-84
	400		6.6	Pontiac Eng.	75
	403		6.6		77-79
	455		7.5		73-76
98 - REGENCY BROUGHAM	231		3.8	3800 MFI/TPI (Buick Eng.)	88-90
	231		3.8	Buick Eng.	85-87
98 - REGENCY BROUGHAM	252		4.1	Buick Eng.	82-83
	260		4.3		85
	307		5.0		82-84
	350		5.7		82-84
98 - REGENCY ELITE	231		3.8	3800 MFI/TPI (Buick Eng.)	91-94
	231		3.8	3800 Series II (Buick Eng.)	95-96
	231		3.8	3800 TPI (Buick Eng.)	94-95
98 - REGENCY TOURING	231		3.8	3800 MFI/TPI (Buick Eng.)	88-93
	231		3.8	3800 TPI (Buick Eng.)	92-93
ACHIEVA	146		2.4	DOHC (Quad 4)	96-98
	189		3.1	Chevrolet Eng.	96-98
ACHIEVA - S	138		2.3	DOHC (Quad 4)	92-95
	138		2.3	SOHC (Quad 4)	92-94
	140		2.3	DOHC (Quad 4 - H.O.)	92-93
	189		3.1	Chevrolet Eng.	94-95
	204		3.3	Buick Eng.	92-93
ACHIEVA - SC	138		2.3	DOHC (Quad 4)	94
	140		2.3	DOHC (Quad 4 - H.O.)	94
	146		2.4	DOHC (Quad 4)	97

OLDSMOBILE MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
ACHIEVA - SC	189		3.1	Chevrolet Eng.	94-97
ACHIEVA - SL	138		2.3	DOHC (Quad 4)	92-95
	140		2.3	DOHC (Quad 4 - H.O.)	94
	146		2.4	DOHC (Quad 4)	97
	189		3.1	Chevrolet Eng.	94-97
	204		3.3	Buick Eng.	92-93
ACHIEVA - W44	138		2.3	DOHC (Quad 4)	92-93
	140		2.3	DOHC (Quad 4 - H.O.)	92-93
	204		3.3	Buick Eng.	92-93
ALERO	134	2198	2.2	Ecotec	02-04
	146		2.4	DOHC (Quad 4)	99-01
	207		3.4	OHV	99-04
BRAVADA	256		4.2		02-04
	262		4.3	Chevrolet Eng.	91-01
CALAIS	138		2.3	DOHC (Quad 4)	87
	151	2474	2.5	Pontiac Eng.	85-87
	181		3.0	Buick Eng.	85-87
CALAIS - SUPREME	151	2474	2.5	Pontiac Eng.	85-87
	181		3.0	Buick Eng.	85-87
CIERA - CRUISER SL	189		3.1	Chevrolet Eng.	95
CIERA - SL	134		2.2	OHV Chevrolet Eng.	95-96
	189		3.1	Chevrolet Eng.	95-96
CUSTOM CRUISER	305		5.0	Chevrolet Eng.	91-92
	307		5.0		80-90
	350		5.7		73-85
	350		5.7	Chevrolet Eng.	77-92
	400		6.6	Pontiac Eng.	75
	403		6.6		77-79
	455		7.5		71-76
CUTLASS	250		4.1	Chevrolet Eng.	68-75
	189		3.1	Chevrolet Eng.	97-99
	231		3.8	Buick Eng.	77-80
	215		3.5		62-63
	260		4.3	Gas	75-80
	305		5.0	Chevrolet Eng.	80
	307		5.0		85-86
	330		5.4		64-67
	350		5.7		68-80
	400		6.6		65-68
	403		6.6		77
	455		7.5		70-75
CUTLASS - BROUGHAM	231		3.8	Buick Eng.	80-81
	260		4.3	Gas	80-81
	267		4.4	Chevrolet Eng.	81
	305		5.0	Chevrolet Eng.	80
	350		5.7		80-81
CUTLASS - GLS	189		3.1	Chevrolet Eng.	97
CUTLASS - HOLIDAY	330		5.4		64-67
CUTLASS - LS	231		3.8	Buick Eng.	80-81
	260		4.3	Gas	80-81
	267		4.4	Chevrolet Eng.	81
	305		5.0	Chevrolet Eng.	80
	350		5.7		80-81
CUTLASS - S	250		4.1	Chevrolet Eng.	71-76
	231		3.8	Buick Eng.	77
	260		4.3	Gas	75-77
	350		5.7		71-77
	403		6.6		77
	455		7.5		71-76
CUTLASS - SALON	231		3.8	Buick Eng.	78-87
	260		4.3		79
	260		4.3	Gas	75-80
	305		5.0	Chevrolet Eng.	78-87
	307		5.0		85-87
	350		5.7		75-85
	403		6.6		77
	455		7.5		75-76
CUTLASS - SALON BROUGHAM	231		3.8	Buick Eng.	78-80
	260		4.3		79
	260		4.3	Gas	78-80
	305		5.0	Chevrolet Eng.	78-80
	350		5.7		80
CUTLASS - SUPREME	267		4.4	Chevrolet Eng.	81
CUTLASS - TURNPIKE CRUISER	400		6.6		67
CUTLASS CALAIS	138		2.3	DOHC (Quad 4)	88-91
	151	2474	2.5	Pontiac Eng.	88-91
	181		3.0	Buick Eng.	88
	231		3.8	Buick Eng.	78-84
	260		4.3		82-84
	260		4.3		79
	260		4.3	Gas	78-82
	267		4.4	Chevrolet Eng.	82
	305		5.0	Chevrolet Eng.	78-84
	307		5.0		82-84
	350		5.7		79-84
CUTLASS CALAIS - INTERNATIONAL	138		2.3	DOHC (Quad 4)	88-91
	140		2.3	DOHC (Quad 4 - H.O.)	89-91
CUTLASS CALAIS - S	138		2.3	DOHC (Quad 4)	89-91
	140		2.3	DOHC (Quad 4 - H.O.)	90-91
	151	2474	2.5	Pontiac Eng.	89-91
	204		3.3	Buick Eng.	89
CUTLASS CALAIS - SL	138		2.3	DOHC (Quad 4)	88-91
	151	2474	2.5	Pontiac Eng.	88-89
	181		3.0	Buick Eng.	88
	204		3.3	Buick Eng.	89-91
CUTLASS CIERA	151	2474	2.5	Pontiac Eng.	82-92
	173		2.8		82-89
	181		3.0	Buick Eng.	82-85
	204		3.3	Buick Eng.	89-92
	231		3.8	Buick Eng.	85-88
	260		4.3		82
CUTLASS CIERA - BROUGHAM	151	2474	2.5	Pontiac Eng.	82-88
	173		2.8		82-88
	181		3.0	Buick Eng.	82-85
	231		3.8	Buick Eng.	84-88
	260		4.3		82-85
CUTLASS CIERA - CRUISER	151	2474	2.5	Pontiac Eng.	84-90
	173		2.8		84-89
	181		3.0	Buick Eng.	84-85
	204		3.3	Buick Eng.	89-90
	231		3.8	Buick Eng.	84-88
	260		4.3		84-85
CUTLASS CIERA - CRUISER BROUGHAM	151	2474	2.5	Pontiac Eng.	87-88
	173		2.8		87-88
	231		3.8	Buick Eng.	87-88
CUTLASS CIERA - CRUISER S	134		2.2	OHV Chevrolet Eng.	93
	151	2474	2.5	Pontiac Eng.	91-92
	189		3.1	Chevrolet Eng.	94
	204		3.3	Buick Eng.	91-93
CUTLASS CIERA - CRUISER SL	151	2474	2.5	Pontiac Eng.	89
	173		2.8		89
	204		3.3	Buick Eng.	89-93
CUTLASS CIERA - INTERNATIONAL	204		3.3	Buick Eng.	89-90
	231		3.8	Buick Eng.	88
CUTLASS CIERA - LS	151	2474	2.5	Pontiac Eng.	82-85
	173		2.8		82-85
	181		3.0	Buick Eng.	82-85
	231		3.8	Buick Eng.	84-85
	260		4.3		82-85
CUTLASS CIERA - S	134		2.2	OHV Chevrolet Eng.	93-94
	151	2474	2.5	Pontiac Eng.	87-91
	173		2.8		87
	189		3.1	Chevrolet Eng.	94
	204		3.3	Buick Eng.	90-93
	231		3.8	Buick Eng.	87
CUTLASS CIERA - SL	151	2474	2.5	Pontiac Eng.	87-89
	173		2.8		87-89
	189		3.1	Chevrolet Eng.	94
	204		3.3	Buick Eng.	89-93
	231		3.8	Buick Eng.	87-88
CUTLASS CRUISER	231		3.8	Buick Eng.	78-83
	260		4.3		79
	260		4.3	Gas	78-82
	267		4.4	Chevrolet Eng.	82

OLDSMOBILE MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
CUTLASS CRUISER	305		5.0	Chevrolet Eng.	78-83
	307		5.0		81-83
	350		5.7		79-83
	350		5.7	Chevrolet Eng.	78-79
CUTLASS CRUISER - BROUGHAM	231		3.8	Buick Eng.	80-81
	260		4.3	Gas	80-81
	305		5.0	Chevrolet Eng.	80
	307		5.0		81
	350		5.7		80-81
CUTLASS SUPREME	138		2.3	DOHC (Quad 4)	90-91
	140		2.3	DOHC (Quad 4 - H.O.)	90
	250		4.1	Chevrolet Eng.	75-76
	173		2.8		88-89
	189		3.1	Chevrolet Eng.	89-97
	207		3.4	DOHC	91-95
	231		3.8	Buick Eng.	77-87
	260		4.3		82-84
	260		4.3		79
	260		4.3	Gas	75-82
	267		4.4	Chevrolet Eng.	82
	305		5.0	Chevrolet Eng.	78-87
	307		5.0		82-87
	350		5.7		72-85
	350		5.7	Chevrolet Eng.	78
	403		6.6		77
	455		7.5		71-76
CUTLASS SUPREME - BROUGHAM	250		4.1	Chevrolet Eng.	76
	231		3.8	Buick Eng.	77-87
	260		4.3		82-85
	260		4.3		79
	260		4.3	Gas	76-82
	267		4.4	Chevrolet Eng.	82
	305		5.0	Chevrolet Eng.	78-80
	307		5.0		82-87
	350		5.7		76-85
	403		6.6		77
	455		7.5		76
CUTLASS SUPREME - CLASSIC	307		5.0		88
CUTLASS SUPREME - CLASSIC BROUGHAM	307		5.0		88
CUTLASS SUPREME - CRUISER	350		5.7		74-75
	455		7.5		74-75
CUTLASS SUPREME - INTERNATIONAL	140		2.3	DOHC (Quad 4 - H.O.)	90
	173		2.8		88-89
	189		3.1	Chevrolet Eng.	89-93
	207		3.4	DOHC	91-93
CUTLASS SUPREME - S	189		3.1	Chevrolet Eng.	92-94
	207		3.4	DOHC	92-94
CUTLASS SUPREME - SL	173		2.8		88-89
	189		3.1	Chevrolet Eng.	89-97
	207		3.4	DOHC	91-96
DELMONT 88	330		5.4		67
	350		5.7		68
	425		7.0		67
DELMONT 88 - HOLIDAY	330		5.4		67
	425		7.0		67
DELTA 88	231		3.8	3800 Series II (Buick Eng.)	99
	231		3.8	Buick Eng.	77-83
	260		4.3	Gas	77-82
	267		4.4	Chevrolet Eng.	82
	301		4.9	Pontiac Eng	79
	307		5.0		80-83
	330		5.4		67
	350		5.7		68-83
	350		5.7	Chevrolet Eng.	77
	400		6.6	Pontiac Eng.	75
	403		6.6		77-79
	425		7.0		65-67
DELTA 88	455		7.5		68-76
DELTA 88 - CUSTOM	350		5.7		68-70
	455		7.5		68-71
DELTA 88 - HOLIDAY	330		5.4		67
	425		7.0		65-67
DELTA 88 - ROYALE	181		3.0	Buick Eng.	86
	231		3.8	3800 MFI/TPI (Buick Eng.)	88-94
	231		3.8	3800 Series II (Buick Eng.)	95-98
	231		3.8	Buick Eng.	77-88
	260		4.3	Gas	77-82
	267		4.4	Chevrolet Eng.	81-82
	301		4.9	Pontiac Eng	79
	307		5.0		80-85
	350		5.7		70-85
	350		5.7	Chevrolet Eng.	77
	400		6.6	Pontiac Eng.	75
	403		6.6		77-79
	455		7.5		70-76
DELTA 88 - ROYALE BROUGHAM	181		3.0	Buick Eng.	86
	231		3.8	3800 MFI/TPI (Buick Eng.)	88-91
	231		3.8	Buick Eng.	80-88
	260		4.3	Gas	80-82
	267		4.4	Chevrolet Eng.	81-82
	307		5.0		80-85
	350		5.7		80-85
DELTA 88 - ROYALE LS	231		3.8	3800 MFI/TPI (Buick Eng.)	92-94
	231		3.8	3800 Series II (Buick Eng.)	95-98
	231		3.8	3800 TPI (Buick Eng.)	95
DELTA 88 - ROYALE LSS	231		3.8	3800 Series II (Buick Eng.)	95
	231		3.8	3800 TPI (Buick Eng.)	95
DYNAMIC	425		7.0		65-66
DYNAMIC - HOLIDAY	425		7.0		65-66
F85	250		4.1	Chevrolet Eng.	66-71
	215		3.5		61-63
	330		5.4		64-67
	350		5.7		68-72
	400		6.6		65-66
	455		7.5		70-72
F85 - HOLIDAY	250		4.1	Chevrolet Eng.	66
	330		5.4		66
FIRENZA	112		1.8	OHC Pontiac Eng.	82-86
	112		1.8	OHV Chevrolet Eng.	82
	122		2.0	OHC Pontiac Eng.	87-88
	122		2.0	OHV Chevrolet Eng.	83-86
	173		2.8		85
FIRENZA - GT	173		2.8		86-87
FIRENZA - LC	112		1.8	OHC Pontiac Eng.	86
	122		2.0	OHC Pontiac Eng.	87
	122		2.0	OHV Chevrolet Eng.	86
FIRENZA - LX	112		1.8	OHC Pontiac Eng.	82-86
	112		1.8	OHV Chevrolet Eng.	82
	122		2.0	OHC Pontiac Eng.	87
	122		2.0	OHV Chevrolet Eng.	83-86
	173		2.8		85
FIRENZA - S	112		1.8	OHC Pontiac Eng.	82-86
	112		1.8	OHV Chevrolet Eng.	82
	122		2.0	OHC Pontiac Eng.	87
	122		2.0	OHV Chevrolet Eng.	83-86
	173		2.8		85
FIRENZA - SX	112		1.8	OHC Pontiac Eng.	82-85
	112		1.8	OHV Chevrolet Eng.	82
	122		2.0	OHV Chevrolet Eng.	83-85
	173		2.8		85
INTRIGUE	231		3.8	3800 Series II (Buick Eng.)	98-99
JETFIRE	215		3.5		62-63
JETSTAR 88	330		5.4		64-66
	425		7.0		65

OLDSMOBILE MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
JETSTAR 88 -					
HOLIDAY	330		5.4		64-66
	425		7.0		65
LSS	231		3.8	3800 Series II (Buick Eng.)	96-99
OMEGA	151	2474	2.5	Pontiac Eng.	80-84
	250		4.1	Chevrolet Eng.	73-76
	173		2.8		80-84
	231		3.8	Buick Eng.	77-79
	260		4.3	Gas	75-77
	305		5.0	Chevrolet Eng.	77-79
	350		5.7		73-77
	350		5.7	Buick Eng.	75-76
	350		5.7	Chevrolet Eng.	77-79
OMEGA - BROUGHAM	151	2474	2.5	Pontiac Eng.	80-84
	250		4.1	Chevrolet Eng.	76
	173		2.8		80-84
	231		3.8	Buick Eng.	77-79
	260		4.3	Gas	76-77
	305		5.0	Chevrolet Eng.	77-79
	350		5.7		77
	350		5.7	Buick Eng.	76
	350		5.7	Chevrolet Eng.	77-79
OMEGA - F85	250		4.1	Chevrolet Eng.	76
	231		3.8	Buick Eng.	77
	260		4.3	Gas	76-77
	305		5.0	Chevrolet Eng.	77
	350		5.7	Buick Eng.	76
	350		5.7	Chevrolet Eng.	77
OMEGA - SALON	250		4.1	Chevrolet Eng.	75
	260		4.3	Gas	75
	350		5.7	Buick Eng.	75
REGENCY	231		3.8	3800 Series II (Buick Eng.)	97-98
SILHOUETTE	189		3.1	Chevrolet Eng.	90-94
	207		3.4	OHV	96-04
SILHOUETTE	231		3.8	3800 MFI/TPI (Buick Eng.)	92-95
STARFIRE	140		2.3	SOHC Chevrolet Eng.	76-77
	151	2474	2.5	Pontiac Eng.	78-80
	231		3.8	Buick Eng.	75-80
	305		5.0	Chevrolet Eng.	77-79
	425		7.0		65-66
STARFIRE - SX	140		2.3	SOHC Chevrolet Eng.	76-77
	151	2474	2.5	Pontiac Eng.	78-80
	231		3.8	Buick Eng.	76-80
	305		5.0	Chevrolet Eng.	77-79
TORONADO	231		3.8	3800 MFI/TPI (Buick Eng.)	88-92
	231		3.8	Buick Eng.	87
	252		4.1	Buick Eng.	84
	307		5.0		80-85
	350		5.7		79-85
	403		6.6		78
	425		7.0		66-67
	455		7.5		68-76
TORONADO - BROUGHAM	231		3.8	Buick Eng.	86-87
	252		4.1	Buick Eng.	81-84
	307		5.0		80-85
	350		5.7		79-85
	403		6.6		77-78
	455		7.5		75-76
TORONADO - TROFEO	231		3.8	3800 MFI/TPI (Buick Eng.)	88-92
TORONADO - XSR	350		5.7		77
	403		6.6		77
VISTA CRUISER	330		5.4		64-67
	350		5.7		68-77
	400		6.6		68-69
	403		6.6		77
	455		7.5		70-76

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**1**
112 (1.8) OHV Chevrolet Eng.			**G**	**L4**	**3.50 x 2.91**	**Connecting Rod 34-43 ft.lbs/47-58 Nm Main Bearing 63-77 ft.lbs/85-105 Nm**			
Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH	**4B745P** Std. 01 10 20 30 40
Main									
1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH	**5M1524P** Std. .25 .50 .75
4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7162 IH	
5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1	**5C1195S** Std.
2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4	
3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	

OLDSMOBILE

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
112 (1.8) OHC Pontiac Eng.			**0 L4**	**84.8mm x 79.5mm**		**Connecting Rod 23 ft.lbs/35 Nm + 40 deg turn**			
122 (2.0) OHC Pontiac Eng.			**K L4**	**86mm x 86mm**		**Main Bearing 44 ft.lbs/59 Nm + 40 deg turn**			
	Rod - for 1.8L engines from 1982-1986.								
4B1175P Std. .25 .50 .75		48.971/1.9280 48.987/1.9286	52.000/2.0472 52.012/2.0477	1.500/0.0590	.013/.0005 .066/.0026	19.30/0.760	F780	8	2326 U/L
	Set to be superceded by 4B2322A when stock exhausted.								
	Rod - for 2.0L engines from 1987-1988.								
4B1408P Std. .25 .50 .75		48.971/1.9280 48.987/1.9286	52.000/2.0472 52.012/2.0477	1.500/0.0590	.013/.0005 .066/.0026	19.30/0.760	F780	8	2320 U/L
	Set to be superceded by 4B2322A when stock exhausted.								
	Rod - High Strength Aluminum Silicon material.								
4B2322A Std. .25 .50 .75 1.0		48.971/1.9280 48.987/1.9286	52.000/2.0472 52.012/2.0477	1.500/0.0591	.013/.0005 .057/.0022	19.30/0.760	F810	8	2322A U/L
	Main								
5M1549P .25 .50 .75	1,2,4,5	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	19.50/0.768	F780	8	2327 IH
	3 (FI)	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	26.10/1.028	F780	2	2328 IH
	*Overflange length increases for undersizes. *See below for dimensional information.*								

*** DIMENSIONAL INFORMATION FOR 5M1549P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.028"/26.10mm	+.008"/0.20mm
0.50 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm
0.75 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm

	Main								
5M2329P Std. .25 .50 .75	1,2,4,5	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	19.50/0.768	F780	8	2327 IH
	3 (FI)	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	25.90/1.020	F780	2	2329 IH
	Overflange length remains constant for standard and undersizes.								
3 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
122 (2.0) OHV Chevrolet Eng.			**1 L4**	**3.50 x 3.15**		**Connecting Rod 34-43 ft.lbs/47-58 Nm**			
122 (2.0) OHV Chevrolet Eng.			**B L4**	**3.50 x 3.15**		**Main Bearing 63-77 ft.lbs/85-105 Nm**			
122 (2.0) OHV Chevrolet Eng.			**P L4**	**3.50 x 3.15**					
	Rod								
4B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH
	Main - 122 (2.0L) VIN B,P engine only.								
5M1567P Std. .25 .50 .75 1.0	1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH
	4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH
	5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - 122 (2.0L) VIN 1 engine only.								
5M7124P Std. .25 .50 .75 1.0	1,2,3,5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	8	7123 IH
	4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 3
Cam									
1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1	**5C1195S** Std.
2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4	
3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
134 (2.2) OHV Chevrolet Eng.	**4**	**L4**	**3.50 x 3.46**	**Connecting Rod 38 ft.lbs/51 Nm Main Bearing 70 ft.lbs/95 Nm**	4

Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH	**4B745P** Std. 01 10 20 30 40
Main									
1,2,3,5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	8	7123 IH	**5M7124P** Std. .25 .50 .75 1.0
4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH	

Overflange length remains constant for standard and undersizes.

Cam									
1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1	**5C1195S** Std.
2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4	
3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
134 2198cc (2.2) Ecotec (L61)	**F**	**L4**	**86mm x 94.6mm**	**Connecting Rod 18 ft.lbs + 100 deg Main Bearing 15 ft.lbs + 70 deg**	5

Rod - High Strength Aluminum Silicon material.									
	49.000/1.9291 49.014/1.9297	52.118/2.0519 52.134/2.0525	1.542/0.0607	.020/.0008 .066/.0026	20.30/0.799	F810	8	2296A IH	**4B2296A** Std. .25 .50 .75
Rod - .002" oversize OD version of 4B2296A.									
	49.000/1.9291 49.014/1.9297	52.169/2.0539 52.185/2.0545	1.692/0.0666 (@ 0.25mm u/size)	.020/.0008 .066/.0026	20.30/0.799	F810	8	9110A IH	**4B2296AO/S2** .25 .50 .75
Main									
1,3,4,5	55.991/2.2044 56.007/2.2050	64.066/2.5223 64.081/2.5229	4.036/0.1589	.033/.0013 .078/.0031	19.79/0.779	F810	8	MB3824AL U/L	**5M2232A** Std. 10 20
2 (FI)	55.991/2.2044 56.007/2.2050	64.066/2.5223 64.081/2.5229	4.041/0.1591	.020/.0008 .063/.0025	25.88/1.019	F810	2	MB3825AL U/L	
Balance Shaft									
Rear	36.720/1.4457 36.741/1.4465	40.762/1.6048 40.775/1.6053	2.004/0.0789	.027/.0011 .068/.0027	26.00/1.024	F820	1	SH2002	**1BS2002S** Std.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
138 (2.3) SOHC (Quad 4)	**3**	**L4**	**3.62 x 3.35**	**Connecting Rod 18 ft.lbs/25 Nm + 90 deg turn**	6
138 (2.3) DOHC (Quad 4)	**D**	**L4**	**3.62 x 3.35**	**Main Bearing 15 ft.lbs/20 Nm + 90 deg turn**	
140 (2.3) DOHC (Quad 4 - H.O.)	**A**	**L4**	**3.62 x 3.35**		

Rod									
	47.973/1.8887 47.998/1.8897	51.166/2.0144 51.191/2.0154	1.580/0.0623	.013/.0005 .051/.0020	22.76/0.896	F780	8	8516 IH	**4B1388P** Std. .25 .50 .75 1.0

OLDSMOBILE

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
6 (Cont'd.)									
	Main								
5M8511P Std. .25 .50 .75	1,2,4,5	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.377/0.0936	.013/.0005 .051/.0020	21.26/0.837	F780	8	8511 U/L
	3 (Fl)	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.377/0.0936	.013/.0005 .051/.0020	27.76/1.093	F780	2	8513 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Alt set to 5M8511P with +0.004" overflange length increase. * See below for dimensional information.								
5M8514P .25 .50 .75	1,2,4,5	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.377/0.0936	.013/.0005 .051/.0020	21.26/0.837	F780	8	8511 U/L
	3 (Fl)	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.502/0.0985 (@ 0.25 u/s)	.013/.0005 .077/.0030	27.86/1.097	F780	2	8514 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M8514P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.097"	+0.004"
0.50 mm u/s shaft	1.097"	+0.004"
0.75 mm u/s shaft	1.097"	+0.004"

7 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
140 (2.3) SOHC Chevrolet Eng.	**B**	**L4**	**3.50 x 3.63**	**Connecting Rod 35 ft.lbs/48 Nm Main Bearing 65 ft.lbs/88 Nm**

	Rod								
4B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH
	Main								
5M1050P Std. 10 20	1,2,3	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.015/.0006 .091/.0036	20.50/0.807	F780	6	MB3135P U/L
	4 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.015/.0006 .091/.0036	25.63/1.009	F780	2	MB2588P U/L
	5	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.015/.0006 .091/.0036	22.88/0.901	F780	2	MB2589P U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C716S Std.	1	57.942/2.2812 57.968/2.2822	61.265/2.4120 61.290/2.4130	1.633/0.0643		17.40/0.685	F23	1	CH-13-1
	2,3,4,5	57.942/2.2812 57.968/2.2822	61.265/2.4120 61.290/2.4130	1.633/0.0643		17.40/0.685	F23	4	CH-13-2

8 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
146 (2.4) DOHC (Quad 4)	**T**	**L4**	**3.543 x 3.700**	**Connecting Rod 18 ft.lbs/25 Nm + 90 deg turn**
146 (2.4) DOHC (Quad 4) (LD9)	**T**	**L4**	**3.543 x 3.700**	**Main Bearing 15 ft.lbs/20 Nm + 90 deg turn**

	Rod								
4B1647P Std. .25 .50 .75 1.0		47.973/1.8887 47.998/1.8897	51.173/2.0147 51.186/2.0152	1.581/0.0622	.013/.0005 .077/.0030	18.30/0.720	F780	8	8520 IH
	Main								
5M2056P Std. .25 .50 .75 1.0	1,2,4,5	60.000/2.3622 60.023/2.3631	64.778/2.5503 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	20.00/0.787	F780	8	8517 U/L
	3 (Fl)	60.000/2.3622 60.023/2.3631	67.778/2.6684 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	27.74/1.092	F780	2	8518 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) **8**
Main - Alternate set to 5M2056P with +0.25mm overflange length increase. * See below for dimensional information.									
1,2,4,5	60.000/2.3622 60.023/2.3631	64.778/2.5503 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	20.00/0.787	F780	8	8517 U/L	**5M8525P** .25 .50 .75 1.0
3 (FI)	60.000/2.3622 60.023/2.3631	64.778/2.5503 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	27.99/1.102	F780	2	8525 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M8525P**

	Overall Width (Nominal)	Increase in Width
0.25mm u/s shaft	27.99 mm	+0.25 mm
0.50mm u/s shaft	27.99 mm	+0.25 mm
0.75mm u/s shaft	27.99 mm	+0.25 mm
1.00mm u/s shaft	27.99 mm	+0.25 mm

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS **9**
151 2474cc (2.5) Pontiac Eng.	**1**	**L4**	**4.00 x 3.00**	**Connecting Rod 30 ft.lbs/41 Nm** (except crossflow)
151 2474cc (2.5) Pontiac Eng.	**5**	**L4**	**4.00 x 3.00**	**Connecting Rod 32 ft.lbs/44 Nm** (crossflow)
151 2474cc (2.5) Pontiac Eng.	**R**	**L4**	**4.00 x 3.00**	**Main Bearing 65 ft.lbs/88 Nm** (except crossflow)
151 2474cc (2.5) Pontiac Eng.	**V**	**L4**	**4.00 x 3.00**	**Main Bearing 70 ft.lbs/95 Nm** (crossflow)

Rod - High Strength Aluminum Silicon material.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	8	2226A IH	**4B610A** Std. 10 20 30 40
Rod - .002" oversize OD version of 4B610A.									
	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH	**4B610AO/S2** 10 20 30 40
Rod - To be superceded by 4B610A when stock exhausted.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	8	2226 IH	**4B610P** Std. 01 10 20 30 40
Main									
1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L	**5M1733P** Std. 01 10 20 30 40
5 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L	
Overflange length remains constant for standard and undersizes.									
Main - Alt set to 5M1733P with +0.010" overflange length increase. * See below for dimensional information.									
1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L	**5M7152P** 10 20 30 40
5 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.88/1.019	F780	2	7152 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M7152P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.019"	+0.010"
.020" u/s shaft	1.019"	+0.010"
.030" u/s shaft	1.019"	+0.010"
.040" u/s shaft	1.019"	+0.010"

Cam									
1,2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0644		21.97/0.865	F23	3	CH-5-3	**3C1030S** Std.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS **10**
151 2474cc (2.5) Pontiac Eng.	**U**	**L4**	**4.00 x 3.00**	**Connecting Rod 30 ft.lbs/41 Nm** (except crossflow) **Connecting Rod 32 ft.lbs/44 Nm** (crossflow) **Main Bearing 65 ft.lbs/88 Nm** (except crossflow) **Main Bearing 70 ft.lbs/95 Nm** (crossflow)

Rod									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	8	2226A IH	**4B610A** Std. 10 20 30 40

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
10 (Cont'd.)									
	Rod - .002" oversize back version of 4B610A.								
4B610AO/S2 10 20 30 40		50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH
	Rod - To be superceded by 4B610A when stock exhausted.								
4B610P Std. 01 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	8	2226 IH
	Main - VIN U only.								
5M1643P Std. 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.42/0.804	F780	4	7132 U
	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.42/0.804	F780	4	7157 L
	5 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	23.93/0.942	F780	2	7159 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Alternate set to 5M1643P with +.010" overflange length increase. * See below for dimensional information.								
5M7163P 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.42/0.804	F780	4	7132 U
	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.42/0.804	F780	4	7157 L
	5 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	24.18/0.952	F780	2	7163 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M7163P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	0.952"	+0.010"
.020" u/s shaft	0.952"	+0.010"
.030" u/s shaft	0.952"	+0.010"
.040" u/s shaft	0.952"	+0.010"

	Cam - VIN U only.								
3C1305S Std.	1,2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0644		18.16/0.715	F23	3	CH-20-1

11 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
173 (2.8)	**7**	**V6**	**3.50 x 2.99**	**Connecting Rod 34-40 ft.lbs/47-54 Nm**
173 (2.8)	**W**	**V6**	**3.50 x 2.99**	**Main Bearing 63-74 ft.lbs/85-101 Nm**
173 (2.8)	**X**	**V6**	**3.50 x 2.99**	
173 (2.8)	**Z**	**V6**	**3.50 x 2.99**	

	Rod - High Strength Aluminum Silicon material.								
6B1238A Std. 01 10 20 30 40		50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A
	Rod - .002" oversize OD version of 6B1238A.								
6B1238AO/S2 10 20 30 40		50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH
	Main - optional set to 4M1494P with +0.010" overflange increase. *See below for dimensional information.								
4M1493P 10 20 30 40	1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L
	2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L
	3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.18/0.952	F780	2	7129 U/L
	4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M1493P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	0.952"	+0.010"
.020" u/s shaft	0.952"	+0.010"
.030" u/s shaft	0.952"	+0.010"
.040" u/s shaft	0.952"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 11
Main - For 1980-85 engines with 63.3 mm small journal design.									
1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L	**4M1494P** Std. 10 20 30 40
2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L	
3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	23.93/0.942	F780	2	7119 U/L	
4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L	
Overflange length remains constant for standard and undersizes.									
Main - for 1985-89 engines with 67.2 mm large journal design.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L	**4M2037A** Std. .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 4M2037P with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L	**4M7122P** .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

Cam									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102S** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	
Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102SW** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS **12**
189 (3.1) Chevrolet Eng.	**D**	**V6**	**3.50 x 3.31**	**Connecting Rod 15 ft.lbs + 75 deg** (VIN M only)
189 (3.1) Chevrolet Eng.	**J**	**V6**	**3.50 x 3.31**	**Connecting Rod 39 ft.lbs/53 Nm**
189 (3.1) Chevrolet Eng.	**M**	**V6**	**3.50 x 3.31**	**Main Bearing 37 ft.lbs + 77 deg** (VIN M only)
189 (3.1) Chevrolet Eng.	**T**	**V6**	**3.50 x 3.31**	**Main Bearing 70 ft.lbs/95 Nm**
189 (3.1) Chevrolet Eng. (L82)	**M**	**V6**	**3.50 x 3.31**	

Rod - High Strength Aluminum Silicon material.									
	50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A	**6B1238A** Std. 01 10 20 30 40

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ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
12 (Cont'd.)									
	Rod - .002" oversize OD verison of 6B1238A.								
6B1238AO/S2 10 20 30 40		50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH
	Main - High Strength Aluminum Silicon material. All engines excluding VIN M.								
4M2037A Std. .25 .50 .75 1.0	1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L
	2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L
	3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L
	Main - optional set to 4M2037P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
4M7122P .25 .50 .75 1.0	1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L
	2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L
	3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

	Main - VIN M - High Strength Aluminum Silicon material.								
4M7189A Std. .25 .50 .75 1.0	1,4	67.241/2.6473 67.267/2.6483	72.149/2.8405 72.174/2.8415			24.80/0.976	F810	4	7187A U/L
	2,3(L)	67.241/2.6473 67.267/2.6483	72.149/2.8405 72.174/2.8415			18.75/0.738	F810	3	7188A U/L
	3 (FI)	67.241/2.6473 67.267/2.6483	72.149/2.8405 72.174/2.8415			23.93/0.942	F810	1	7189A U
	Cam								
4C1102S Std.	1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A
	2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2
	4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4
	Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.								
4C1102SW Std.	1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A
	2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A
	4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4

13 ENGINE

	VIN	CYL	Bore x Stroke
181 (3.0) Buick Eng.	**E**	**V6**	**3.80 x 2.66**
181 (3.0) Buick Eng.	**L**	**V6**	**3.80 x 2.66**
204 (3.3) Buick Eng.	**N**	**V6**	**3.70 x 3.15**
231 (3.8) Buick Eng.	**2**	**V6**	**3.80 x 3.40**
231 (3.8) Buick Eng.	**3**	**V6**	**3.80 x 3.40**
231 (3.8) Buick Eng.	**A**	**V6**	**3.80 x 3.40**
231 (3.8) Buick Eng.	**B**	**V6**	**3.80 x 3.40**
252 (4.1) Buick Eng.	**4**	**V6**	**3.97 x 3.40**

TORQUE SETTINGS

Connecting Rod 20 ft.lbs/27 Nm +50 deg (204 engines)

Connecting Rod 40 ft.lbs/54 Nm (181, 231, 252 engines)

Main Bearing 110 ft.lbs/150 Nm (181, 231, 252 engines)

Main Bearing 26 ft.lbs/35 Nm + 50 deg (204 engines)

	Rod - .660" wide bearing for 181, (89-90) 204, (77-88) 231 Type A (even fire), 231 Turbo and 252 engines.								
6B1228P Std. 01 10 20 30 40		57.117/2.2487 57.137/2.2495	60.295/2.3738 60.312/2.3745	1.572/0.0619	.014/.0006 .077/.0030	16.76/0.660	F780	12	2360 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 13
Rod - .002" Oversize OD version of 6B1228P.									
	57.117/2.2487 57.137/2.2495	60.346/2.3758 60.363/2.3765	1.724/0.0679 (@ .010" u/s)	.005/.0002 .078/.0031	16.76/0.660	F780	12	9071 IH	**6B1228PO/S2** 10 20 30 40
Rod - for 1991-93 204 Type N engines only.									
	57.117/2.2487 57.137/2.2495	60.300/2.3740 60.312/2.3745	1.570/0.0618	.023/.0009 .081/.0032	18.30/0.720	F780	12	2306 IH	**6B1443P** Std. 10 20 30 40
Rod - .002" Oversize OD version of 6B1443P.									
	57.117/2.2487 57.137/2.2495	60.351/2.3760 60.363/2.3765	1.722/0.0678 (@ .010" u/s)	.024/.0009 .082/.0032	18.30/0.720	F780	12	9046 IH	**6B1443PO/S2** 10 20 30 40
Main - alt. set to 4M960P with +0.020" overflange length increase for undersizes.* See below for dimensional information.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1688P** 10 20 30
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.38/1.078	F780	2	9018 U/L	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1688P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.078"	+0.020"
.020" u/s shaft	1.078"	+0.020"
.030" u/s shaft	1.078"	+0.020"

Main - alt. set to 4M960P with +0.040" overflange length increase for undersizes.* See below for dimensional information.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1690P** 20 30
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.89/1.098	F780	2	9024 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 4M1690P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.098"	+0.040"
.030" u/s shaft	1.098"	+0.040"

Main - alt. set to 4M960P with +0.010" overflange length increase for undersizes.* See below for dimensional information.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1747P** 10 20 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.13/1.068	F780	2	9020 U/L	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1747P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
13 (Cont'd.)									
	Main - half groove, standard oil clearance for 1991-93 204 engines.								
4M1822P Std. 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L
	Main - alt. set to 4M1822P with +0.010" overflange length increase for undersizes.* See below for dimensional information.								
4M9022P 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	27.13/1.068	F780	2	9022 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M9022P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.030" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

	Main - half groove, standard oil clearance for all engines (204 : 1989-90 only). Set includes modified upper rear main bearing.								
4M960P Std. 01 10 20 30 40	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	26.87/1.058	F780	2	9017 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - grooved O/D on #1 bush - alt. to 4C1031S.								
4C1031BS Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1B
	2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2
	Cam - 1975-1985 engines with 14 bolt oil pan.								
4C1031S Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1
	2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2
	Cam - 1985-93 engines with 20 bolt oil pan.								
4C1246S Std.	1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0743		19.18/0.755	F23	2	B-13-1
	2,3	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	2	B-9-2

14 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
215 (3.5)		**V8**	**3.50 x 2.80**	**Connecting Rod 30-45 ft.lbs/41-61 Nm**

	Rod								
8B610A Std. 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	16	2226A IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** — 15

ENGINE	VIN	CYL	Bore x Stroke
225 (3.7) Buick Eng.		V6	3.75 x 3.40
231 (3.8) Buick Eng.	C	V6	3.80 x 3.40

Connecting Rod 30-40 ft.lbs/41-54 Nm (1964-67 engines)
Connecting Rod 40 ft.lbs/54 Nm (1975-77 engines)
Main Bearing 110 ft.lbs/156 Nm (1975-77 VIN C engines)
Main Bearing 65-70 ft.lbs/88-95 Nm (1964 225 engines)
Main Bearing 95-120 ft.lbs/129-162 Nm (1965 225 engines)

Rod - High Strength Aluminum Silicon material.

	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	12	2226A IH	**6B610A** Std. 10 20 30 40

Rod - To be superceded by 6B610A when stock exhausted.

	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	12	2226 IH	**6B610P** Std. 01 10 20 30 40

Main - Alt. set to 4M960P with +0.020" overflange length increase for undersizes.* See below for dimensional information.

1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1688P** 10 20 30
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.38/1.078	F780	2	9018 U/L	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1688P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.078"	+0.020"
.020" u/s shaft	1.078"	+0.020"
.030" u/s shaft	1.078"	+0.020"

Main - alt. set to 4M960P with +0.040" overflange length increase for undersizes.* See below for dimensional information.

1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1690P** 20 30
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.89/1.098	F780	2	9024 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 4M1690P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.098"	+0.040"
.030" u/s shaft	1.098"	+0.040"

Main - Alt. set to 4M960P with +0.010" overflange length increase for undersizes. *See dimensional information below.

1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1747P** 10 20 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.13/1.068	F780	2	9020 U/L	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1747P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

OLDSMOBILE

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
15 (Cont'd.)									
	Main - half groove, standard oil clearance. Set includes modified upper rear main bearing.								
4M960P Std. 01 10 20 30 40	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	26.87/1.058	F780	2	9017 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - 231 engines.								
4C1031S Std.	1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1
	2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2
	Cam - 225 engines.								
4C506S Std.	1	44.577/1.7550 44.602/1.7560	47.892/1.8855 47.943/1.8875	1.631/0.0642		19.18/0.755	F23	1	B-6-1
	2	43.815/1.7250 43.840/1.7260	47.130/1.8555 47.181/1.8575	1.631/0.0642		19.18/0.755	F23	1	B-4-3
	3	43.053/1.6950 43.078/1.6960	46.368/1.8255 46.419/1.8275	1.631/0.0642		19.18/0.755	F23	1	B-4-4
	4	42.291/1.6650 42.316/1.6660	45.606/1.7955 45.657/1.7975	1.631/0.0642		19.18/0.755	F23	1	B-4-5

16 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
231 (3.8) 3800 Series II (Buick Eng.) Supercharged	**1**	**V6**	**3.80 x 3.40**	**Connecting Rod 40 ft.lbs/54 Nm Main Bearing 110 ft.lbs/150 Nm**
231 (3.8) 3800 TPI (Buick Eng.) Supercharged	**1**	**V6**	**3.80 x 3.40**	
231 (3.8) 3800 MFI/TPI (Buick Eng.)	**C**	**V6**	**3.80 x 3.40**	
231 (3.8) 3800 Series II (Buick Eng.)	**K**	**V6**	**3.80 x 3.40**	
231 (3.8) 3800 MFI/TPI (Buick Eng.)	**L**	**V6**	**3.80 x 3.40**	

	Rod - .660" wide bearing for 1988-90 231 VIN C engines only.								
6B1228P Std. 01 10 20 30 40		57.117/2.2487 57.137/2.2495	60.295/2.3738 60.312/2.3745	1.572/0.0619	.014/.0006 .077/.0030	16.76/0.660	F780	12	2360 IH
	Rod - .002" Oversize OD version of 6B1228P.								
6B1228PO/S2 10 20 30 40		57.117/2.2487 57.137/2.2495	60.346/2.3758 60.363/2.3765	1.724/0.0679 (@ .010" u/s)	.005/.0002 .078/.0031	16.76/0.660	F780	12	9071 IH
	Rod - for all engines (excluding 1988-90 231 VIN C engines).								
6B1443P Std. 10 20 30 40		57.117/2.2487 57.137/2.2495	60.300/2.3740 60.312/2.3745	1.570/0.0618	.023/.0009 .081/.0032	18.30/0.720	F780	12	2306 IH
	Rod - .002" Oversize OD version of 6B1443P.								
6B1443PO/S2 10 20 30 40		57.117/2.2487 57.137/2.2495	60.351/2.3760 60.363/2.3765	1.722/0.0678 (@ .010" u/s)	.024/.0009 .082/.0032	18.30/0.720	F780	12	9046 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 16
Main - alt. set to 4M960P with +0.020" overflange length increase for undersizes.* See below for dimensional information.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1688P** 10 20 30
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.38/1.078	F780	2	9018 U/L	
To be discontinued when stock exhausted.									

* DIMENSIONAL INFORMATION FOR 4M1688P		
	Overall Width (Nominal)	**Increase in Width**
.010" u/s shaft	1.078"	+0.020"
.020" u/s shaft	1.078"	+0.020"
.030" u/s shaft	1.078"	+0.020"

Main - alt. set to 4M960P with +0.040" overflange length increase for undersizes.* See below for dimensional information.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1690P** 20 30
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.89/1.098	F780	2	9024 U/L	
Stock not available from fee warehouses.									

* DIMENSIONAL INFORMATION FOR 4M1690P		
	Overall Width (Nominal)	**Increase in Width**
.020" u/s shaft	1.098"	+0.040"
.030" u/s shaft	1.098"	+0.040"

Main - alt. set to 4M960P with +0.010" overflange length increase for undersizes.* See below for dimensional information.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1747P** 10 20 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.13/1.068	F780	2	9020 U/L	
To be discontinued when stock exhausted.									

* DIMENSIONAL INFORMATION FOR 4M1747P		
	Overall Width (Nominal)	**Increase in Width**
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

Main - half groove, standard oil clearance for all 1991-93 engines only.									
1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L	**4M1822P** Std. 10 20 30 40
1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U	
2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L	
4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L	
Overflange length remains constant for standard and undersizes.									

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
16 (Cont'd.)									
	Main - for 1994 engines only.								
4M2021P Std. 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2309 L
	Overflange length remains constant for standard and undersizes.								
	Main - for all engines 1995-99.								
4M2022P Std. 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2299 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2309 L
	Overflange length remains constant for standard and undersizes.								
	Main - alt. set to 4M1822P with +0.010" overflange length increase for undersizes.* See below for dimensional information.								
4M9022P 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	27.13/1.068	F780	2	9022 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M9022P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.030" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

	Main - half groove, standard oil clearance for 1988-90 231 VIN C engines only. Set includes modified upper rear main bearing.								
4M960P Std. 01 10 20 30 40	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	26.87/1.058	F780	2	9017 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - for 1988-95 engines only.								
4C1246S Std.	1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0743		19.18/0.755	F23	2	B-13-1
	2,3	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	2	B-9-2
	Cam - for engines 1996-99 (Full round design).								
4C1812S Std.	1,4	46.858/1.8448 46.893/1.8462	50.686/1.9955 50.711/1.9965	1.882/0.0741		18.92/0.745	F23	2	B-14-1
	2,3	46.858/1.8448 46.893/1.8462	50.178/1.9755 50.228/1.9775	1.628/0.0641		16.00/0.630	F23	2	B-14-2

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 16
Cam - for engines 1996-99 (OE split type design).									
1,4	46.858/1.8448 46.893/1.8462	50.686/1.9955 50.737/1.9975	1.870/0.0736	.053/.0021 .165/.0065	19.00/0.748	F250	2	5108	**4C5108** Std. 10
2,3	46.858/1.8448 46.893/1.8462	50.178/1.9755 50.229/1.9775	1.613/0.0635	.059/.0023 .171/.0067	15.75/0.620	F250	2	5109	
Cam Tower - Repair Insert for 1988-94 231 engines.									
2,3	45.339/1.7850 45.364/1.7860	49.836/1.9620 49.861/1.9630	2.230/0.0878	.012/.0005 .088/.0035	15.75/0.620	F250	1	19549	**1SC19549** Std. 10
Cam Tower - Repair Insert for 1988-94 231 engines.									
1,4	45.339/1.7850 54.364/2.1403	49.836/1.9620 49.861/1.9630	2.230/0.0878	.012/.0005 .088/.0035	19.00/0.748	F250	1	19580	**1SC19580** Std. 10
Cam Tower - Repair Insert for 1995-99 231 engines.									
1,4	46.858/1.8448 46.893/1.8462	51.283/2.0190 51.308/2.0200	2.179/0.0858	.032/.0013 .118/.0046	19.00/0.748	F250	1	19581	**1SC19581** Std. 10
Cam Tower - Repair Insert for 1995-99 231 engines.									
2,3	46.858/1.8448 46.893/1.8462	51.283/2.0190 51.308/2.0200	2.176/0.0857	.038/.0015 .124/.0049	15.75/0.620	F250	1	19582	**1SC19582** Std. 10
Small End - for 231 engines 1995-99 (Exc. supercharged engines).									
	21.995/0.8659 22.000/0.8661	24.562/0.9670 (Nominal)	1.500/0.0591	.007/.0003 .022/.0009	21.20/0.835	F100	1	RB4106	**RB4106** Semi
Bore allowance on the ID.									
Small End - for 231 engines 1995-99 (Exc. supercharged engines).									
	21.995/0.8659 22.000/0.8661	24.562/0.9670 (Nominal)	1.360/0.0535		21.20/0.835	F100	1	RB4106-R	**RB4106-R** Ream
Ream allowance on the ID.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 17
207 (3.4) OHV	**E**	**V6**	**3.62 x 3.31**	**Connecting Rod 15 ft.lbs + 75 deg** (1995 on)
207 (3.4) DOHC	**X**	**V6**	**3.62 x 3.31**	**Connecting Rod 39 ft.lbs/53 Nm** (1991-94) **Main Bearing 37 ft.lbs + 75 deg** (Bolt) **Main Bearing 39 ft.lbs/53 Nm** (Nut)

Rod - High Strength Aluminum Silicon material.									
	50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A	**6B1238A** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 6B1238A.									
	50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH	**6B1238AO/S2** 10 20 30 40
Main - High Strength Aluminum Silicon material.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L	**4M2037A** Std. .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L	
Cam - OHV (VIN E) engines only.									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102S** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	
Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102SW** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
17 (Cont'd.)									
	AR Auxiliary - DOHC engines only.								
4C6001S Std.	1	47.440/1.8677 47.490/1.8697	51.054/2.0100	1.755/0.0691		29.77/1.172	F23	1	CHG-22-1
	2,3	47.440/1.8677 47.490/1.8697	50.787/1.9995	1.626/0.0640		16.00/0.630	F23	2	CH-18-2
	4	47.440/1.8677 47.490/1.8697	51.041/2.0095	1.755/0.0691		15.87/0.625	F23	1	CH-18-4
18 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
250 (4.1) Chevrolet Eng.			**L6**	**3.88 x 3.53**		**Connecting Rod 35-45 ft.lbs/48-61 Nm**			
250 (4.1) Chevrolet Eng.		**D**	**L6**	**3.88 x 3.53**		**Main Bearing 60-70 ft.lbs/81-95 Nm**			
	Rod								
6B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	12	2370 IH
	Main								
7M617P Std. 10 20 30 40	1-6	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	12	7132 U/L
	7 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - engines from 1966-1970.								
4C399S Std.	1,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		21.97/0.865	F23	2	CH-5-2
	2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	2	CH-5-3
	Cam - engines from 1971-76.								
4C718S Std.	1,2,3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	4	CH-5-3
19 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
256 (4.2)		**S**	**L6**	**93.04mm x 102mm**		**Connecting Rod 18 ft.lbs + 110 deg** **Main Bearing 18 ft.lbs + 180 deg**			
	Rod								
6B2290A Std. .25 .50 .75 1.0		56.691/2.2319 56.707/2.2326	60.322/2.3749 60.338/2.3755	1.798/0.0708	.011/.0004 .059/.0023	20.75/0.817	F810	12	2290A IH
	Rod - .002" oversize OD version of 6B2290A.								
6B2290AO/S2 .25 .50 .75 1.0		56.691/2.2319 56.707/2.2326	60.372/2.3768 60.388/2.3775	1.952/0.0769 (@ .25mm u/s)	.011/.0004 .059/.0023	20.75/0.817	F810	12	9102A IH
	Main								
7M2224A Std. 10 20	1,2,3,4, 6,7	69.967/2.7546 69.982/2.7552	78.069/3.0736 78.087/3.0743	4.044/0.1592	.007/.0003 .050/.0020	20.68/0.814	F820	12	MB3781P U/L
	5 (FI)	69.967/2.7546 69.982/2.7552	78.069/3.0736 78.087/3.0743	4.044/0.1592	.007/.0003 .050/.0020	25.35/0.998	F820	2	MB3782P U/L
	Small End								
AB3664 Semi		22.997/0.9054 23.000/0.9055	25.857/1.0180	1.372/0.0540		23.75/0.935	F100	1	223-3664
20 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
260 (4.3) Diesel		**T**	**V6**	**4.057 x 3.585**		**Connecting Rod 42 ft.lbs/57 Nm**			
260 (4.3) Diesel		**V**	**V6**	**4.057 x 3.585**		**Main Bearing 107 ft.lbs/146 Nm** (1982 engines) **Main Bearing 89 ft.lbs/121 Nm** (1983-85 engines)			
	Rod								
6B8510P Std. 10 20 30		57.125/2.2490 57.150/2.2500	60.305/2.3742 60.325/2.3750	1.570/0.0618	.013/.0005 .064/.0025	22.23/0.875	F780	12	CB1366P IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 20
Main									
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.380/0.0936	.020/.0008 .097/.0038	24.89/0.980	F780	2	MB2362P U/L	**4M1616P** Std. 10
2	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.380/0.0936	.020/.0008 .097/.0038	24.87/0.979	F780	2	MB2163P IH	
3 (FI)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.380/0.0936	.020/.0008 .097/.0038	30.35/1.195	F780	2	MB2363P IH	
4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.370/0.0932	.046/.0018 .086/.0034	32.26/1.270	F780	2	MB2964P U/L	
Overflange length remains constant for standards and undersizes.									
Cam									
1	51.707/2.0357 51.727/2.0365	55.062/2.1678 55.113/2.1698	1.640/0.0646		17.60/0.693	F23	1	O-7-1	**4C1247S** Std.
2	51.199/2.0157 51.219/2.0165	54.554/2.1478 54.605/2.1498	1.640/0.0646		17.60/0.693	F23	1	O-6-2	
3	50.691/1.9957 50.711/1.9965	54.046/2.1278 54.097/2.1298	1.640/0.0646		17.60/0.693	F23	1	O-6-3	
4	50.183/1.9757 50.203/1.9765	53.538/2.1078 53.589/2.1098	1.640/0.0646		17.60/0.693	F23	1	O-6-4	

ENGINE	VIN	CYL	Bore x Stroke
260 (4.3) Gas	**8**	**V8**	**3.50 x 3.39**
260 (4.3) Gas	**F**	**V8**	**3.50 x 3.39**
307 (5.0)	**9**	**V8**	**3.80 x 3.39**
307 (5.0)	**Y**	**V8**	**3.80 x 3.39**
330 (5.4)		**V8**	**3.94 x 3.39**
350 (5.7)		**V8**	**4.06 x 3.39**
350 (5.7)	**H**	**V8**	**4.06 x 3.39**
350 (5.7)	**K**	**V8**	**4.06 x 3.39**
350 (5.7)	**M**	**V8**	**4.06 x 3.39**
350 (5.7)	**R**	**V8**	**4.06 x 3.39**
403 (6.6)	**K**	**V8**	**4.35 x 3.39**

TORQUE SETTINGS **21**

Connecting Rod 30-42 ft.lbs/41-57 Nm (1964-73 only)
Connecting Rod 42 ft.lbs/57 Nm (1974-90 only)
Main Bearing 120 ft.lbs/163 Nm (1974-90 rear bearing cap)
Main Bearing 60-80 ft.lbs/81-108 Nm (1964-73 except rear bearing)
Main Bearing 80 ft.lbs/108 Nm (1974-90 except rear bearing)
Main Bearing 90-120 ft.lbs/122-163 Nm (1964-73 rear bearing cap)

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod									
	53.945/2.1238 53.970/2.1248	57.137/2.2495 57.150/2.2500	1.572/0.0619	.023/.0009 .087/.0034	21.11/0.831	F780	16	8500 IH	**8B684P** Std. 10 20 30 40
Rod - .002" oversize OD version of 8B684P.									
	53.945/2.1238 53.970/2.1248	57.188/2.2515 57.201/2.2520	1.724/0.0679 (@ .010" u/s)	.024/.0009 .088/.0035	21.11/0.831	F780	16	9041 IH	**8B684PO/S2** 10 20 30 40
Main									
1(L)	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	1	8502 L	**5M805P** Std. 10 20 30 40
1(U),2,4	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	5	8505 IH	
3 (FI)	63.457/2.4983 63.482/2.4993	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	30.35/1.195	F780	2	8503 IH	
5	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	41.37/1.629	F780	2	8504 U/L	
Overflange length remains constant for standard and undersizes.									

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
21 (Cont'd.)									
	Main - optional set to 5M805P with +0.010" overflange length increase for undersizes. * See below for dimensional information.								
5M8603P 10 20 30 40	1	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	1	8502 L
	1(U),2,4	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	5	8505 IH
	3 (FI)	63.457/2.4983 63.482/2.4993	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	30.61/1.205	F780	2	8603 IH
	5	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	41.37/1.629	F780	2	8504 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M8603P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.205"	+0.010"
.020" u/s shaft	1.205"	+0.010"
.030" u/s shaft	1.205"	+0.010"
.040" u/s shaft	1.205"	+0.010"

	Cam - engines 1977-90.								
5C1088S Std.	1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-7-1
	2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2
	3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3
	4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4
	5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5
	Cam - engines 1964-1976.								
5C638S Std.	1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-6-1
	2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2
	3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3
	4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4
	5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5
	Small End - for 307 enignes only. Sinlge pieces with bore allowance.								
RB3049YA20 Semi		24.933/0.9816 (Finish ID Bore Size)	27.534/1.0840 (Nominal)			23.37/0.920	F100	1	3049YA20

22 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
260 (4.3) Diesel	**P**	**V8**	**3.50 x 3.39**	**Connecting Rod 42 ft.lbs/57 Nm**
350 (5.7) Diesel	**N**	**V8**	**4.06 x 3.39**	**Main Bearing 120 ft.lbs/163 Nm**

	Rod								
8B684P Std. 10 20 30 40		53.945/2.1238 53.970/2.1248	57.137/2.2495 57.150/2.2500	1.572/0.0619	.023/.0009 .087/.0034	21.11/0.831	F780	16	8500 IH
	Rod - .002" oversize OD version of 8B684P.								
8B684PO/S2 10 20 30 40		53.945/2.1238 53.970/2.1248	57.188/2.2515 57.201/2.2520	1.724/0.0679 (@ .010" u/s)	.024/.0009 .088/.0035	21.11/0.831	F780	16	9041 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 22
Main									
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L	**5M804P** Std. 10 20 30 40
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U	
2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH	
3 (FI)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.38/1.196	F780	2	8508 IH	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 5M804P with +0.010" overflange length increase. *See below for dimensional information.									
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L	**5M8519P** 20 30 40
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U	
2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH	
3 (FI)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.63/1.206	F780	2	8519 IH	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M8519P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.206"	+0.010"
.030" u/s shaft	1.206"	+0.010"
.040" u/s shaft	1.206"	+0.010"

Cam									
1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-7-1	**5C1088S** Std.
2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2	
3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3	
4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4	
5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5	
Small End - 350 engines only. Single pieces, not bored.									
		30.353/1.1950 30.391/1.1965	1.575/0.0620		24.77/0.975	F100	1	02495	**AB02495** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	23
262 (4.3) Chevrolet Eng.	**W**	**V6**	**4.000 x 3.484**	**Connecting Rod 45 ft.lbs/61 Nm**	
262 (4.3) Chevrolet Eng.	**Z**	**V6**	**4.000 x 3.484**	**Main Bearing 70 ft.lbs/95 Nm**	

Rod - High Strength Aluminum Silicon material.									
	57.130/2.2492 57.145/2.2498	60.317/2.3747 60.342/2.3757	1.575/0.0620	.022/.0009 .089/.0035	18.92/0.745	F810	12	7111A	**6B1358A** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 6B1358A.									
	57.130/2.2492 57.145/2.2498	60.368/2.3767 60.393/2.3777	1.613/0.0635 (@ .010" u/s)	.022/.0009 .089/.0035	18.92/0.745	F810	12	9042A IH	**6B1358AO/S2** 10 20 30 40
Rod									
	57.130/2.2492 57.145/2.2498	60.317/2.3747 60.342/2.3757	1.575/0.0620	.022/.0009 .089/.0035	18.92/0.745	F780	12	7111 IH	**6B1358P** Std. 01 10 20 30 40 50 60
Rod - .002" oversize OD version of 6B1358P.									
	57.130/2.2492 57.145/2.2498	60.368/2.3767 60.393/2.3777	1.600/0.0630 (@ STD u/s)	.023/.0009 .089/.0035	18.92/0.745	F780	12	9040 IH	**6B1358PO/S2** Std. 10 20 30 40

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
23 (Cont'd.)									
	Main - High Strength Aluminum Silicon material.								
4M1454A Std. 01 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F810	6	2377A U/L
	4	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L
	Main								
4M1454P Std. 01 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (Fl)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 4M1454P with +0.020" overflange length increase. *See dimensional information below.								
4M1628P 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (Fl)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1628P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"

	Main - optional set to 4M1454P with +0.040" overflange length increase. *See dimensional information below.								
4M1684P 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (Fl)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.65/1.758	F780	2	2355 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M1684P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

	Cam - for engines without ID number "T" on front of block.								
4C1089S Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1
	2,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		18.92/0.745	F23	2	CH-4-2
	3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	1	CH-4-3
	Cam - for engines with ID number "T" on front of block.								
4C1351S Std.	1,4	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		19.05/0.750	F23	2	CH-4-1
	2	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		19.05/0.750	F23	1	CH-4-3
	3	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		19.05/0.750	F23	1	CH-4-2
	Balance Shaft - Excludes engines with Roller Bearings.								
1BS1400S Std.	Rear	38.064/1.4986 38.100/1.5000	47.587/1.8735 47.612/1.8745	4.724/0.1860	.013/.0005 .050/.0020	21.21/0.835	F23	1	CHG-15A

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE	VIN	CYL	Bore x Stroke
267 (4.4) Chevrolet Eng.	J	V8	3.50 x 3.48
305 (5.0) Chevrolet Eng.	E	V8	3.74 x 3.48
305 (5.0) Chevrolet Eng.	G	V8	3.74 x 3.48
305 (5.0) Chevrolet Eng.	H	V8	3.74 x 3.48
305 (5.0) Chevrolet Eng.	U	V8	3.74 x 3.48
350 (5.7) Chevrolet Eng.	7	V8	4.00 x 3.48
350 (5.7) Chevrolet Eng.	G	V8	4.00 x 3.48
350 (5.7) Chevrolet Eng.	L	V8	4.00 x 3.48

TORQUE SETTINGS

Connecting Rod 35 ft.lbs/48 Nm (11/32" bolts only)
Connecting Rod 45 ft.lbs/61 Nm (3/8" bolts only)
Main Bearing 75 ft.lbs/102 Nm

Rod - High Strength Aluminum Silicon material.

	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A	**8B663A** Std. 01 10 20 30 40

Rod - .002" oversize OD version of 8B663A.

	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH	**8B663AO/S2** 10 20 30 40

Rod - standard oil clearance.

	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH	**8B663P** Std. 01 10 20 30 40 50 60

Rod - .002" oversize OD version of 8B663P.

	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH	**8B663PO/S2** 10 20 30 40

Main - optional set to 5M909P with +0.020" overflange length increase. *See below for dimensional information.

1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1626P** 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L	

Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".

*** DIMENSIONAL INFORMATION FOR 5M1626P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"
.050" u/s shaft	1.738"	+0.020"
.060" u/s shaft	1.738"	+0.020"

Main - optional set to 5M909P with +0.040" overflange length increase. *See below for dimensional information.

1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1683P** 20 30 40
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	1.76/0.069	F780	2	2355 U/L	

Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".

*** DIMENSIONAL INFORMATION FOR 5M1683P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

Main - optional set to 5M909P with +0.010" overflange length increase. *See dimensional information below.

1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1744P** 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.89/1.728	F780	2	2365 U/L	

Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".

*** DIMENSIONAL INFORMATION FOR 5M1744P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.728"	+0.010"
.020" u/s shaft	1.728"	+0.010"
.030" u/s shaft	1.728"	+0.010"
.040" u/s shaft	1.728"	+0.010"
.050" u/s shaft	1.728"	+0.010"
.060" u/s shaft	1.728"	+0.010"

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
24 (Cont'd.)									
	Main - High Strength Aluminum Silicon material.								
5M909A Std. 01 10 20 30 40	1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F810	8	2377A U/L
	5 (Fl)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L
	Main - half groove. Standard oil clearance.								
5M909P Std. 01 10 20 30 40 50 60	1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L
	5 (Fl)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L
	Overflange length remains constant for standard and undersizes. Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".								
	Cam - Single piece from 5C3346C set.								
1C3346C Std.	1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	1	3346
	Cam - Single piece from 5C3349C set (#1 position cam).								
1C3349C Std.		47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349
	Cam - +0.010" O.D. all housing bores 2.0290"/2.0310" (High Performance). Customer to drill oil holes.								
5C004AS Std.	1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536
	Cam - +0.020" O.D. all housing bores 2.0390"/2.0410" (High Performance). Customer to drill oil holes.								
5C004BS Std.	1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537
	Cam - standard housing bores.								
5C290S Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1
	2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.760/0.0694		18.92/0.745	F23	2	CH-4-2
	3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3
	Cam - All housing bores constant at 1.9990"/2.0010" (High Performance).								
5C3346C Std.	1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	5	3346
	Cam - standard housing bores (High Performance).								
5C3349C Std.	1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349
	2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347
	3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346

25 ENGINE — **VIN** Y — **CYL** V8 — **Bore x Stroke** 4.00 x 3.00

301 (4.9) Pontiac Eng

TORQUE SETTINGS

Connecting Rod 35 ft.lbs/48 Nm
Main Bearing 100 ft.lbs/136 Nm (rear bearing)
Main Bearing 70 ft.lbs/95 Nm (except rear bearing)

	Rod - .002" oversize OD version of 8B610A (2 sets required per engine).								
4B610AO/S2 10 20 30 40		50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH
	Rod - .002" oversize OD version of 8B610P (2 sets required per engine). To be superceded by 4B610AO/S2 when stock exhausted.								
4B610PO/S2 10 20 30 40		50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/s)	.015/.0006 .067/.0026	18.84/0.742	F780	8	9070 IH
	Rod - High Strength Aluminum Silicon material.								
8B610A Std. 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	16	2226A IH
	Rod - To be superceded by 8B610A when stock exhausted.								
8B610P Std. 01 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	16	2226 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 25
Main									
1,2,3	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.375/0.0935	.012/.0005 .089/.0035	21.97/0.865	F780	6	7134 U/L	**5M1415P** Std. 10 20 30 40
4 (Fl)	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.375/0.0935	.012/.0005 .089/.0035	26.87/1.058	F780	2	7135 U/L	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .089/.0035	40.38/1.590	F780	2	7136 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1-5	48.240/1.8992 48.252/1.8997	51.554/2.0297 51.605/2.0317	1.640/0.0646		17.40/0.685	F23	5	P-3-2	**5C292S** Std.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	26
350 (5.7) Buick Eng.	**H**	**V8**	**3.80 x 3.85**	**Connecting Rod 35 ft.lbs/48 Nm**	
350 (5.7) Buick Eng.	**J**	**V8**	**3.80 x 3.85**	**Main Bearing 95 ft.lbs/129 Nm**	

Rod - .002" oversize OD version of 8B610A (2 sets required per engine).									
	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH	**4B610AO/S2** 10 20 30 40
Rod - .002" oversize OD version of 8B610P (2 sets required per engine). To be superceded by 4B610AO/S2 when stock exhausted.									
	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/s)	.015/.0006 .067/.0026	18.84/0.742	F780	8	9070 IH	**4B610PO/S2** 10 20 30 40
Rod - High Strength Aluminum Silicon material.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	16	2226A IH	**8B610A** Std. 10 20 30 40
Rod - To be superceded by 8B610A when stock exhausted.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	16	2226 IH	**8B610P** Std. 01 10 20 30 40
Main - half groove, standard oil clearance.									
1,2,4	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.370/0.0935	.020/.0008 .097/.0038	22.10/0.870	F780	6	7134 U/L	**5M1457P** Std. 10 20 30
3 (Fl)	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.370/0.0935	.020/.0008 .097/.0038	26.87/1.058	F780	2	7135 U/L	
5	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.370/0.0935	.020/.0008 .097/.0038	22.10/0.870	F780	2	7137 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1	**5C680S** Std.
2-5	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	4	B-9-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	27
400 (6.6) Pontiac Eng.	**R**	**V8**	**4.12 x 3.75**	**Connecting Rod 45 ft.lbs/61 Nm**	
400 (6.6) Pontiac Eng.	**S**	**V8**	**4.12 x 3.75**	**Main Bearing 120 ft.lbs/163 Nm** (rear bearing cap only) **Main Bearing 95 ft.lbs/129 Nm** (except rear bearing cap)	

Rod									
	57.117/2.2487 57.142/2.2497	60.312/2.3745 60.325/2.3750	1.572/0.0619	.026/.0010 .090/.0035	22.37/0.881	F780	16	7140 IH	**8B758P** Std. 10 20 30 40

OLDSMOBILE

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
27 (Cont'd.)									
	Main - Alt set to 5M496P with +0.010" overflange length increase. * See below for dimensional information.								
5M2496P 10 20 30 40	1,2,3	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .088/.0035	23.82/0.938	F780	6	7138 U/L
	4 (Fl)	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.009/.0004 .086/.0034	29.10/1.146	F780	2	7149 U/L
	5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .088/.0035	40.38/1.590	F780	2	7136 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 5M2496P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.146"	+0.010"
.020" u/s shaft	1.146"	+0.010"
.030" u/s shaft	1.146"	+0.010"
.040" u/s shaft	1.146"	+0.010"

	Main - Half Groove								
5M483G Std. 10 20 30	1,2,3	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.000/3.1890	23.825/0.9380	.018/.0007 .084/.0033	23.95/0.943	F780	6	MB1889G U/L
	4 (Fl)	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.000/3.1890	2.382/0.0938	.017/.0007 .083/.0033	28.82/1.135	F780	2	MB1890G U/L
	5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.000/3.1890	2.382/0.0938	.018/.0007 .095/.0037	40.51/1.595	F780	2	MB1891P U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Full Groove								
5M496P Std. 10 20 30 40	1,2,3	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .088/.0035	23.82/0.938	F780	6	7138 U/L
	4 (Fl)	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.009/.0004 .086/.0034	28.85/1.136	F780	2	7139 U/L
	5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .088/.0035	40.38/1.590	F780	2	7136 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C292S Std.	1-5	48.240/1.8992 48.252/1.8997	51.554/2.0297 51.605/2.0317	1.640/0.0646		17.40/0.685	F23	5	P-3-2

28 ENGINE	**VIN**	**CYL**	**Bore x Stroke**
400 (6.6)		**V8**	**4.00 x 3.98**
425 (7.0)		**V8**	**4.13 x 3.98**
455 (7.5)		**V8**	**4.13 x 4.25**
455 (7.5)	**R**	**V8**	**4.13 x 4.25**
455 (7.5)	**S**	**V8**	**4.13 x 4.25**
455 (7.5)	**T**	**V8**	**4.13 x 4.25**
455 (7.5)	**U**	**V8**	**4.13 x 4.25**
455 (7.5)	**W**	**V8**	**4.13 x 4.25**

TORQUE SETTINGS

Connecting Rod 32-42 ft.lbs/44-57 Nm
Main Bearing 120 ft.lbs/163 Nm (1965-67 rear bearing)
Main Bearing 80 ft.lbs/108 Nm (1965-67 except rear bearing)
Main Bearing 90-120 ft.lbs/122-163 Nm (1968-76)

	Rod								
8B542P Std. 10 20 30 40 50		63.480/2.4992 63.505/2.5002	66.662/2.6245 66.675/2.6250	1.572/0.0619	.013/.0005 .076/.0030	20.98/0.826	F780	16	8506 IH
	Main								
5M804P Std. 10 20 30 40	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L
	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U
	2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH
	3 (Fl)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.38/1.196	F780	2	8508 IH
	5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 28
Main - optional set to 5M804P with +.010" overflange width increase for undersizes. *See below for dimensional information.									**5M8519P** 20 30 40
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L	
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U	
2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH	
3 (FI)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.63/1.206	F780	2	8519 IH	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M8519P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.206"	+0.010"
.030" u/s shaft	1.206"	+0.010"
.040" u/s shaft	1.206"	+0.010"

Cam									
1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-6-1	**5C638S** Std.
2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2	
3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3	
4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4	
5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5	

PERKINS ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
144 2365cc.....	3-144,Diesel		L3		1
152 2504cc.....	3-152,Diesel		L3		1
192 3153cc.....	4-192,Diesel		L4		2
203 3333cc.....	4-203,Diesel		L4		2
212 3473cc.....	4-212,Diesel		L4		3
236 3869cc.....	4-236,Diesel		L4		3
236 3869cc.....	T4-236, Turbo,Diesel		L4		4
243 3990cc.....	4-40,Diesel		L4		3
243 3990cc.....	T4-40, Turbo,Diesel		L4		4
248 4065cc.....	4-248,Diesel		L4		3
318 5215cc.....	4-318,Diesel		L4		5
354 5800cc.....	6-354,Diesel		L6		6
354 5800cc.....	6-354.1,Diesel		L6		6
354 5800cc.....	6-354.2,Diesel		L6		6
354 5800cc.....	6-354.3,Diesel		L6		7
354 5800cc.....	6-354.4,Diesel		L6		7
354 5800cc.....	T6-354, Turbo,Diesel		L6		7
372 6105cc.....	6-372,Diesel		L6		6
372 6105cc.....	6-372.4,Diesel		L6		7

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
144 2365cc 3-144 Diesel				**L3**	**88.9mm x 127mm**				
152 2504cc 3-152 Diesel				**L3**	**91.4mm x 127mm**				
	Rod								
3B1012		57.112/2.2485	60.833/2.3950	1.822/0.0717	.064/.0025	30.23/1.190	F820	6	1012AL
Std. 10 20 30 40		57.125/2.2490	60.846/2.3955		.106/.0042				IH
	Main								
4M2942	1	69.812/2.7485	74.079/2.9165	2.108/0.0830	.038/.0015	33.15/1.305	F820	2	2942AL
Std. 10 20 30 40		69.825/2.7490	74.105/2.9175		.093/.0037				U/L
	2,3	69.812/2.7485	74.079/2.9165	2.108/0.0830	.038/.0015	25.40/1.000	F820	4	2944AL
		69.825/2.7490	74.105/2.9175		.093/.0037				IH
	4	69.812/2.7485	74.079/2.9165	2.108/0.0830	.038/.0015	40.77/1.605	F820	2	2943AL
		69.825/2.7490	74.105/2.9175		.093/.0037				IH
	Thrust - for engines from Serial # 1412720 onwards.								
2T2944		75.310/2.9650	90.220/3.5520			3.18/0.125	F250	2	2942T
Std.		75.560/2.9748	90.470/3.5618						U
		75.310/2.9650	90.220/3.5520			3.18/0.125	F250	2	2944T
		75.560/2.9748	90.470/3.5618						L
	Set includes 4 pieces. Required with 4M2942 main set.								
	Small End								
RB870		31.742/1.2497	34.919/1.3748	1.960/0.0772		26.97/1.062	F100	1	RB870
Semi		31.750/1.2500	34.955/1.3762						
2 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
192 3153cc 4-192 Diesel				**L4**	**88.9mm x 127mm**				
203 3333cc 4-203 Diesel				**L4**	**91.4mm x 127mm**				
	Rod								
4B1012		57.112/2.2485	60.833/2.3950	1.822/0.0717	.064/.0025	30.23/1.190	F820	8	1012AL
Std. 10 20 30 40		57.125/2.2490	60.846/2.3955		.106/.0042				IH
	Main								
5M2942	1	69.812/2.7485	74.079/2.9165	2.108/0.0830	.038/.0015	33.15/1.305	F820	2	2942AL
Std. 10 20 30 40		69.825/2.7490	74.105/2.9175		.093/.0037				U/L
	2,4	69.812/2.7485	74.079/2.9165	2.108/0.0830	.038/.0015	25.40/1.000	F820	4	2944AL
		69.825/2.7490	74.105/2.9175		.093/.0037				IH
	3,5	69.812/2.7485	74.079/2.9165	2.108/0.0830	.038/.0015	40.77/1.605	F820	4	2943AL
		69.825/2.7490	74.105/2.9175		.093/.0037				IH
	Thrust - for engines from Serial # 2105860 onwards.								
2T2944		75.310/2.9650	90.220/3.5520			3.18/0.125	F250	2	2942T
Std.		75.560/2.9748	90.470/3.5618						U
		75.310/2.9650	90.220/3.5520			3.18/0.125	F250	2	2944T
		75.560/2.9748	90.470/3.5618						L
	Set includes 4 pieces. Required with 5M2942 main set.								
	Small End								
RB870		31.742/1.2497	34.919/1.3748	1.960/0.0772		26.97/1.062	F100	1	RB870
Semi		31.750/1.2500	34.955/1.3762						

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**3**
212 3473cc 4-212 Diesel			**L4**	**98.48mm x 114.3mm**					
236 3869cc 4-236 Diesel			**L4**	**98.48mm x 127mm**					
243 3990cc 4-40 Diesel			**L4**	**100mm x 127mm**					
248 4065cc 4-248 Diesel			**L4**	**101.5mm x 127mm**					
Rod									
	63.475/2.4990 63.487/2.4995	67.208/2.6460 67.221/2.6465	1.842/0.0725	.037/.0015 .078/.0031	31.87/1.255	F820	8	2681AL IH	**4B2681** Std. 10 20 30 40
Main									
1,2,4,5	76.162/2.9985 76.175/2.9990	80.416/3.1660 80.442/3.1670	2.089/0.0822	.063/.0025 .102/.0040	31.75/1.250	F820	8	2682AL U/L	**5M2682** Std. 10 20 30 40
3	76.162/2.9985 76.175/2.9990	80.416/3.1660 80.442/3.1670	2.089/0.0822	.063/.0025 .102/.0040	36.58/1.440	F820	2	2683AL U/L	
Thrust - for engines up to Serial # 4203049.									
	86.868/3.4200 87.122/3.4300	103.840/4.0882 104.090/4.0980			2.31/0.091	F250	4	2682T U/L	**2T2682** Std.
Set includes 4 pieces. Required with 5M2682 main set.									
Thrust - for engines from Serial # 4203050 onwards.									
	86.868/3.4200 87.122/3.4300	103.840/4.0882 104.090/4.0980			2.31/0.091	F250	4	2683T U/L	**2T2683** Std.
Set includes 4 pieces. Required with 5M2682 main set.									
Small End									
	34.920/1.3748 34.925/1.3750	38.895/1.5313 38.920/1.5323			34.25/1.348	F100	1	RB4002	**RB4002** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**4**
236 3869cc T4-236 Turbo Diesel			**L4**	**98.48mm x 127mm**					
243 3990cc T4-40 Turbo Diesel			**L4**	**100mm x 127mm**					
Rod									
	63.475/2.4990 63.487/2.4995	67.208/2.6460 67.221/2.6465	1.842/0.0725	.037/.0015 .088/.0035	31.87/1.255	F780	8	2679 IH	**4B2679** Std. 10 20 30 40
Main									
1,2,4,5	76.162/2.9985 76.175/2.9990	80.416/3.1660 80.442/3.1670	2.089/0.0822	.063/.0025 .102/.0040	31.75/1.250	F820	8	2682AL U/L	**5M2682** Std. 10 20 30 40
3	76.162/2.9985 76.175/2.9990	80.416/3.1660 80.442/3.1670	2.089/0.0822	.063/.0025 .102/.0040	36.58/1.440	F820	2	2683AL U/L	
Thrust									
	86.868/3.4200 87.122/3.4300	103.840/4.0882 104.090/4.0980			2.31/0.091	F250	4	2683T U/L	**2T2683** Std.
Set includes 4 pieces. Required with 5M2682 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			**5**
318 5215cc 4-318 Diesel			**L4**	**114.3mm x 127mm**					
Rod									
	69.806/2.7483 69.825/2.7490	74.066/2.9160 74.092/2.9170	2.096/0.0825	.049/.0019 .110/.0043	35.05/1.380	F820	8	2661AL U/L	**4B2661** Std. 10 20 30 40
Main									
1,2,4,5	76.162/2.9985 76.175/2.9990	80.416/3.1660 80.442/3.1670	2.089/0.0822	.063/.0025 .102/.0040	31.75/1.250	F820	8	2682AL U/L	**5M2682** Std. 10 20 30 40
3	76.162/2.9985 76.175/2.9990	80.416/3.1660 80.442/3.1670	2.089/0.0822	.063/.0025 .102/.0040	36.58/1.440	F820	2	2683AL U/L	
Thrust									
	86.868/3.4200 87.122/3.4300	103.840/4.0882 104.090/4.0980			2.31/0.091	F250	4	2683T U/L	**2T2683** Std.
Set includes 4 pieces. Required with 5M2682 main set.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
6 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
354 5800cc 6-354 Diesel				**L6**	**98.48mm x 127mm**				
354 5800cc 6-354.1 Diesel				**L6**	**98.48mm x 127mm**				
354 5800cc 6-354.2 Diesel				**L6**	**98.48mm x 127mm**				
372 6105cc 6-372 Diesel				**L6**	**101mm x 127mm**				
	Rod - Copper Lead trimetal material.								
6B2679 Std. 10 20 30 40		63.475/2.4990 63.487/2.4995	67.208/2.6460 67.221/2.6465	1.842/0.0725	.037/.0015 .088/.0035	31.87/1.255	F780	12	2679 IH
	Rod - Aluminum Tin material.								
6B2681 Std. 10 20 30 40		63.475/2.4990 63.487/2.4995	67.208/2.6460 67.221/2.6465	1.842/0.0725	.037/.0015 .078/.0031	31.87/1.255	F820	12	2681AL IH
	Main								
7M2682 Std. 10 20 30 40	1,2,3,5, 6,7	76.162/2.9985 76.175/2.9990	80.416/3.1660 80.442/3.1670	2.089/0.0822	.063/.0025 .102/.0040	31.75/1.250	F820	12	2682AL U/L
	4	76.162/2.9985 76.175/2.9990	80.416/3.1660 80.442/3.1670	2.089/0.0822	.063/.0025 .102/.0040	36.58/1.440	F820	2	2683AL U/L
	Thrust - for engines up to Serial # 8504189.								
2T2682 Std.		86.868/3.4200 87.122/3.4300	103.840/4.0882 104.090/4.0980			2.31/0.091	F250	4	2682T U/L
	Set includes 4 pieces. Required with 7M2682 main set.								
	Thrust - for engines from Serial # 8504190 onwards.								
2T2683 Std.		86.868/3.4200 87.122/3.4300	103.840/4.0882 104.090/4.0980			2.31/0.091	F250	4	2683T U/L
	Set includes 4 pieces. Required with 7M2682 main set.								
	Small End								
RB4002 Semi		34.920/1.3748 34.925/1.3750	38.895/1.5313 38.920/1.5323			34.25/1.348	F100	1	RB4002
7 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
354 5800cc 6-354.3 Diesel				**L6**	**98.48mm x 127mm**				
354 5800cc 6-354.4 Diesel				**L6**	**98.48mm x 127mm**				
354 5800cc T6-354 Turbo Diesel				**L6**	**98.48mm x 127mm**				
372 6105cc 6-372.4 Diesel				**L6**	**101mm x 127mm**				
	Rod - Copper Lead trimetal material.								
6B2679 Std. 10 20 30 40		63.475/2.4990 63.487/2.4995	67.208/2.6460 67.221/2.6465	1.842/0.0725	.037/.0015 .088/.0035	31.87/1.255	F780	12	2679 IH
	Rod - Aluminum Tin material.								
6B2681 Std. 10 20 30 40		63.475/2.4990 63.487/2.4995	67.208/2.6460 67.221/2.6465	1.842/0.0725	.037/.0015 .078/.0031	31.87/1.255	F820	12	2681AL IH
	Thrust - for engines up to Serial # 8504189.								
2T2682 Std.		86.868/3.4200 87.122/3.4300	103.840/4.0882 104.090/4.0980			2.31/0.091	F250	4	2682T U/L
	Set includes 4 pieces.								
	Thrust - for engines from Serial # 8504190 onwards.								
2T2683 Std.		86.868/3.4200 87.122/3.4300	103.840/4.0882 104.090/4.0980			2.31/0.091	F250	4	2683T U/L
	Set includes 4 pieces.								

PEUGEOT ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1618cc (1.6).....			L4	67-69	1
1796cc (1.8).....	XN1		L4	65-80	1
1905cc (1.9).....	XU9	1	L4	89-89	2
1905cc (1.9).....	XU9	2	L4	89-89	2
1905cc (1.9).....	XU9	A	L4	90-91	2
1905cc (1.9).....	XU9	B	L4	90-91	2
1905cc (1.9).....	XU9	C	L4	90-91	2
1905cc (1.9).....	XU9	D	L4	90-91	2
1971cc (2.0).....	XN2		L4	65-80	1
1971cc (2.0).....	XN2	1	L4	81-87	1

PEUGEOT MODEL INDEX

Model	CID	cc	Liter	Description	Years
404		1618	1.6		67-69
		1796	1.8	XN1	70
405 - DL		1905	1.9	XU9	89-91
405 - MI16		1905	1.9	XU9	89-91
405 - S		1905	1.9	XU9	89-91
504		1796	1.8	XN1	70
504		1971	2.0	XN2	71-79
505		1971	2.0	XN2	80-85
505 - GL		1971	2.0	XN2	84-86
505 - LIBERTE		1971	2.0	XN2	87
505 - S		1971	2.0	XN2	84-86
505 - STI		1971	2.0	XN2	84-86

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** — **1**

1618cc (1.6) | | **L4** | **84mm x 73mm** | **Connecting Rod 30 ft.lbs/40 Nm**
1796cc (1.8) XN1 | | **L4** | **84mm x 81mm** | **Main Bearing 55 ft.lbs/74 Nm**
1971cc (2.0) XN2 | | **L4** | **88mm x 81mm** |
1971cc (2.0) XN2 | **1** | **L4** | **88mm x 81mm** |

Rod

	49.975/1.9675 49.990/1.9681	53.654/2.1124 53.673/2.1131	1.814/0.0714	.036/.0014 .086/.0034	23.39/0.921	F820	8	7891AL IH	**4B7891** Std. .30 .50 .80 1.0

Main

1	59.400/2.3386 59.416/2.3392	63.226/2.4892 63.246/2.4900	1.895/0.0746	.020/.0008 .072/.0028	29.48/1.161	F820	2	7892AL IH	**5M7899** Std. .30 .50 .80 1.0
2	58.558/2.3054 58.573/2.3060	62.384/2.4561 62.403/2.4568	1.895/0.0746	.021/.0008 .071/.0028	21.50/0.846	F820	2	7896AL IH	
3	57.174/2.2509 57.189/2.2515	61.000/2.4016 61.019/2.4023	1.895/0.0746	.021/.0008 .071/.0028	29.48/1.161	F820	2	7897AL IH	
4	56.150/2.2106 56.165/2.2112	59.976/2.3613 59.995/2.3620	1.895/0.0746	.021/.0008 .071/.0028	21.49/0.846	F820	2	7898AL IH	
5	54.905/2.1616 54.920/2.1622	58.731/2.3122 58.750/2.3130	1.887/0.0743	.037/.0015 .087/.0034	29.33/1.155	F820	2	7899AL IH	

Thrust - suits Manual Transmissions.

	61.250/2.4114 61.500/2.4213	72.550/2.8563 72.800/2.8661			2.36/0.093	F250	2	7899T U	**1T7899** Std.

Note: Set includes two pieces, use on No. 4 position. Required with 5M7899 main set.

Thrust - suits Automatic Transmissions.

	61.250/2.4114 61.500/2.4213	72.550/2.8563 72.800/2.8661			2.36/0.093	F250	4	7899T U/L	**2T7899** Std.

Note: Set includes four pieces, use on No. 4 position. Required with 5M7899 main set.

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** — **2**

1905cc (1.9) XU9 | **1** | **L4** | **83mm x 88mm**
1905cc (1.9) XU9 | **2** | **L4** | **83mm x 88mm**
1905cc (1.9) XU9 | **A** | **L4** | **83mm x 88mm**
1905cc (1.9) XU9 | **B** | **L4** | **83mm x 88mm**
1905cc (1.9) XU9 | **C** | **L4** | **83mm x 88mm**
1905cc (1.9) XU9 | **D** | **L4** | **83mm x 88mm**

Rod

	49.984/1.9679 50.000/1.9685	53.695/2.1140 53.708/2.1145	1.836/0.0723		20.25/0.797	F810	8	7700A IH	**4B7700A** Std. .30 .50

Main

1-5	59.990/2.3618 60.000/2.3622	63.718/2.5086 63.727/2.5089	1.845/0.0726		20.29/0.799	F810	5	7703A U	**5M7704A** Std. .30 .50
	59.990/2.3618 60.000/2.3622	63.718/2.5086 63.727/2.5089	1.845/0.0726		20.29/0.799			7704A	

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
2T7703 Std.	**Thrust**	67.050/2.6398 67.300/2.6496	83.050/3.2697 83.300/3.2795			2.33/0.092	F250	4	7703T U/L
	Note: Set includes four pieces. Required with 5M7704A main set.								

PLYMOUTH ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1410cc (1.4).....	Mits G12B	2	L4	81-83	1
1410cc (1.4).....	Mits G12B	A	L4	84-84	1
1410cc (1.4).....	Mits G12B	J	L4	79-80	1
90 1468cc (1.5).....	Mits G15B/4G15	A	L4	91-94	2
90 1468cc (1.5).....	Mits G15B/4G15	K	L4	85-91	2
90 1468cc (1.5).....	Mits G15B/4G15	P	L4	88-88	2
90 1468cc (1.5).....	Mits G15B/4G15	X	L4	89-90	2
98 1597cc (1.6).....	Mits 4G32/G32B	3	L4	81-83	3
98 1597cc (1.6).....	Mits 4G32/G32B	B	L4	84-84	3
98 1597cc (1.6).....	Mits 4G32/G32B, Turbo	F	L4	84-90	3
98 1597cc (1.6).....	Mits 4G32/G32B	K	L4	76-80	3
98 1597cc (1.6).....	Mits 4G32/G32B	Y	L4	89-90	3
98 1597cc (1.6).....	Mits 4G32/G32B, Turbo	Z	L4	89-89	3
105 (1.7)	VW Eng.	A	L4	78-82	4
105 (1.7)	VW Eng.	B	L4	83-83	4
107 1754cc (1.8)...	Mits 4G37	T	L4	89-90	5
107 1755cc (1.8)...	Mits 4G37	B	L4	93-94	5
107 1755cc (1.8)...	Mits 4G37	T	L4	90-92	5
112 1834cc (1.8)...	Mits 4G93	C	L4	93-94	6
112 1834cc (1.8)...	Mits 4G93	D	L4	92-92	6
122 1995cc (2.0)...	Mits 4G52/G52B	U	L4	76-78	7
122 1996cc (2.0)...	16V SOHC	C	L4	95-01	9
122 1996cc (2.0)...	16V DOHC	Y	L4	95-99	9
122 1996cc (2.0)...	16V SOHC (ECB)	C	L4	96-98	9
122 1996cc (2.0)...	16V DOHC (ECC)	Y	L4	96-98	9
122 1997cc (2.0)...	Mits 4G52/G52B	5	L4	81-82	7
122 1997cc (2.0)...	Mits 4G63/G63B	D	L4	84-88	8
122 1997cc (2.0)...	Mits 4G63 DOHC	E	L4	93-94	8
122 1997cc (2.0)...	Mits 4G63 DOHC, Turbo	F	L4	93-94	8
122 1997cc (2.0)...	Mits 4G63 DOHC	R	L4	90-92	8
122 1997cc (2.0)...	Mits 4G52/G52B	U	L4	76-80	7
122 1997cc (2.0)...	Mits 4G63 DOHC, Turbo	U	L4	90-92	8
122 1997cc (2.0)...	Mits 4G63/G63B	V	L4	89-91	8
135 (2.2)	SOHC	8	L4	84-86	10
135 (2.2)	SOHC	B	L4	81-82	10
135 (2.2)	SOHC	C	L4	83-88	10
135 (2.2)	SOHC	D	L4	84-94	10
135 (2.2)	SOHC, Turbo	E	L4	84-88	10
2351cc (2.4).....	Mits 4G64 (16V SOHC)	G	L4	93-94	12
2351cc (2.4).....	Mits 4G64 (8V SOHC)	W	L4	92-92	12
148 2429cc (2.4)...	DOHC	B	L4	96-00	11
148 2429cc (2.4)...	DOHC	X	L4	99-00	11
148 2429cc (2.4)...	DOHC (EDZ)	X	L4	98-98	11
153 2507cc (2.5)...	SOHC, Turbo	J	L4	89-91	10
153 2507cc (2.5)...	SOHC	K	L4	86-95	10
153 2507cc (2.5)...	SOHC	V	L4	93-94	10
156 2555cc (2.6)...	Mits G54B	7	L4	81-83	13
156 2555cc (2.6)...	Mits G54B	D	L4	81-82	13
156 2555cc (2.6)...	Mits G54B	F	L4	78-80	13
156 2555cc (2.6)...	Mits G54B	G	L4	83-87	13
156 2555cc (2.6)...	Mits G54B, Turbo	H	L4	84-86	13
156 2555cc (2.6)...	Mits G54B, Turbo	N	L4	86-86	13
156 2555cc (2.6)...	Mits G54B	W	L4	79-80	13
170 (2.8)			L6	60-67	14
170 (2.8)		A	L6	68-69	14
181 2972cc (3.0)...	Mits 6G72 SOHC	3	V6	87-00	15
198 (3.2)		B	L6	70-74	14
201 (3.3)	OHV	J	V6	95-96	16
201 (3.3)	OHV	R	V6	90-00	16
201 (3.3)	OHV (EGM)	G	V6	98-00	16
215 3497cc (3.5)...	SOHC (Aluminum Block)		V6	99-99	18
215 3497cc (3.5)...	SOHC (Cast Iron Block)	F	V6	97-97	17
215 3497cc (3.5)...	SOHC (Aluminum Block)	G	V6	00-01	18
225 (3.7)	Forged Crankshaft		L6	60-67	14
225 (3.7)	Forged Crankshaft	B	L6	68-76	14
225 (3.7)	Forged Crankshaft	C	L6	70-76	14
225 (3.7)	Forged Crankshaft	E	L6	72-72	14
225 3687cc (3.7)...	Cast Crankshaft	B	L6	76-78	19
225 3687cc (3.7)...	Cast Crankshaft	C	L6	76-80	19
225 3687cc (3.7)...	Cast Crankshaft	D	L6	77-80	19
225 3687cc (3.7)...	Cast Crankshaft	E	L6	81-82	19
225 3687cc (3.7)...	Cast Crankshaft	F	L6	81-82	19
225 3687cc (3.7)...	Cast Crankshaft	G	L6	81-82	19
225 3687cc (3.7)...	Cast Crankshaft	H	L6	81-83	19
225 3687cc (3.7)...	Cast Crankshaft	J	L6	83-83	19
225 3687cc (3.7)...	Cast Crankshaft	K	L6	83-83	19
225 3687cc (3.7)...	Cast Crankshaft	L	L6	83-83	19
225 3687cc (3.7)...	Cast Crankshaft	N	L6	79-80	19
230 (3.8)	OHV	L	V6	94-99	16
230 (3.8)	OHV (EGH)	L	V6	98-98	16
273 (4.5)			V8	64-67	20
273 (4.5)		D	V8	68-69	20
276			V8	56-57	20
303 (5.0)			V8	56-56	20
318 (5.2)			V8	58-67	20
318 (5.2)		4	V8	83-89	21
318 (5.2)		E	V8	74-80	21
318 (5.2)		F	V8	68-69	20
318 (5.2)		G	V8	70-73	20
318 (5.2)		G	V8	74-80	21
318 (5.2)		H	V8	78-80	21
318 (5.2)		K	V8	81-82	21
318 (5.2)		L	V8	81-82	21
318 (5.2)		M	V8	81-82	21
318 (5.2)		N	V8	81-82	21
318 (5.2)		P	V8	79-89	21
318 (5.2)		R	V8	81-82	21
318 (5.2)		S	V8	83-89	21
318 (5.2)		T	V8	83-83	21
318 (5.2)		U	V8	83-83	21
318 (5.2)		Z	V8	86-88	21
340 (5.6)		H	V8	70-73	22
340 (5.6)		P	V8	68-69	22
350 (5.7)			V8	58-58	23
360 (5.9)		1	V8	83-83	24
360 (5.9)		F	V8	74-79	24
360 (5.9)		J	V8	74-79	24
360 (5.9)		K	V8	71-80	24
360 (5.9)		L	V8	74-80	24
360 (5.9)		T	V8	74-82	24
360 (5.9)		U	V8	82-82	24
360 (5.9)		W	V8	83-83	24
361 (5.9)			V8	60-66	23
383 (6.3)			V8	60-60	25
383 (6.3)			V8	61-67	23
383 (6.3)		G	V8	68-69	23
383 (6.3)		H	V8	67-69	23
383 (6.3)		L	V8	70-71	23
383 (6.3)		N	V8	70-71	23
400 (6.6)		J	V8	76-78	23
400 (6.6)		M	V8	72-76	23
400 (6.6)		N	V8	74-78	23
400 (6.6)		P	V8	72-78	23
426 (7.0)	(Excl. Hemi)		V8	63-67	25
426 (7.0)	(Excl. Hemi)	J	V8	68-69	25
426 (7.0)	(Excl. Hemi)	R	V8	70-71	25
440 (7.2)			V8	66-67	25
440 (7.2)		D	V8	74-78	25
440 (7.2)		K	V8	68-69	25
440 (7.2)		L	V8	68-69	25
440 (7.2)		T	V8	70-77	25
440 (7.2)		U	V8	70-78	25
440 (7.2)		V	V8	70-72	25

PLYMOUTH MODEL INDEX

Model	CID	cc	Liter	Description	Years
	225		3.7	Forged Crankshaft	60-76
ACCLAIM	135		2.2	SOHC	89
	153	2507	2.5	SOHC	89-95
	181	2972	3.0	Mits 6G72 SOHC	90-95
ACCLAIM - LE	153	2507	2.5	SOHC	89-91
	181	2972	3.0	Mits 6G72 SOHC	90-91
ACCLAIM - LX	181	2972	3.0	Mits 6G72 SOHC	89-91
ARROW	98	1597	1.6	Mits 4G32/G32B	76-80
	156	2555	2.6	Mits G54B	80
ARROW - GS	98	1597	1.6	Mits 4G32/G32B	76-79
	122	1997	2.0	Mits 4G52/G52B	76-78
	156	2555	2.6	Mits G54B	79
ARROW - GT	98	1597	1.6	Mits 4G32/G32B	76-79
	122	1997	2.0	Mits 4G52/G52B	76-78

PLYMOUTH MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
ARROW - GT	156	2555	2.6	Mits G54B	79
ARROW PICKUP	122	1997	2.0	Mits 4G52/G52B	79-82
	156	2555	2.6	Mits G54B	79-82
BARRACUDA	170		2.8		66
	198		3.2		70-71
	273		4.5		64-67
	318		5.2		68-74
	340		5.6		68-73
	360		5.9		74
	361		5.9		64
	383		6.3		67-71
BARRACUDA - GRAN COUPE	318		5.2		70-71
	383		6.3		70-71
BELVEDERE	273		4.5		64-68
	318		5.2		58-70
	350		5.7		58
	361		5.9		60-65
	383		6.3		60-70
	426		7.0	(Excl. Hemi)	63-67
	440		7.2		66-67
BELVEDERE - SATELLITE	273		4.5		68
	318		5.2		68-70
	383		6.3		68-70
BREEZE	122	1996	2.0	16V SOHC	96-00
	148	2429	2.4	DOHC	98-00
CARAVELLE	135		2.2	SOHC	83-88
	153	2507	2.5	SOHC	86-88
	156	2555	2.6	Mits G54B	83-85
	225	3687	3.7	Cast Crankshaft	78-83
	318		5.2		78-89
	360		5.9		78-79
CARAVELLE - SALON	225	3687	3.7	Cast Crankshaft	80-81
	318		5.2		80-88
CARAVELLE - SE	135		2.2	SOHC	85-88
	153	2507	2.5	SOHC	86-88
	156	2555	2.6	Mits G54B	85
CARAVELLE - SPORT COUPE	225	3687	3.7	Cast Crankshaft	81
	318		5.2		81
CHAMP		1410	1.4	Mits G12B	79-82
	98	1597	1.6	Mits 4G32/G32B	80-81
CHAMP - CUSTOM		1410	1.4	Mits G12B	79
	98	1597	1.6	Mits 4G32/G32B	79-82
COLT		1410	1.4	Mits G12B	79-83
	90	1468	1.5	Mits G15B/4G15	89-94
	98	1597	1.6	Mits 4G32/G32B	76-83
	112	1834	1.8	Mits 4G93	92-94
	122	1995	2.0	Mits 4G52/G52B	76-78
		2351	2.4	Mits 4G64 (16V SOHC)	93-94
	156	2555	2.6	Mits G54B	78-80
COLT - 100	90	1468	1.5	Mits G15B/4G15	90
	98	1597	1.6	Mits 4G32/G32B	90
COLT - 100 DL	90	1468	1.5	Mits G15B/4G15	89-91
	98	1597	1.6	Mits 4G32/G32B	89
COLT - 100 E	90	1468	1.5	Mits G15B/4G15	89-92
COLT - 100 LX	90	1468	1.5	Mits G15B/4G15	89-90
	98	1597	1.6	Mits 4G32/G32B	89-90
COLT - 200 DL	90	1468	1.5	Mits G15B/4G15	89-90
COLT - 200 E	90	1468	1.5	Mits G15B/4G15	89-92
COLT - 200 GT	90	1468	1.5	Mits G15B/4G15	91-92
COLT - 200 LX	90	1468	1.5	Mits G15B/4G15	89
	98	1597	1.6	Mits 4G32/G32B	89
COLT - 4X4		2351	2.4	Mits 4G64 (8V SOHC)	92
COLT - CUSTOM	98	1597	1.6	Mits 4G32/G32B	83
COLT - DELUXE		1410	1.4	Mits G12B	83
	98	1597	1.6	Mits 4G32/G32B	83
COLT - DL		1410	1.4	Mits G12B	84
	90	1468	1.5	Mits G15B/4G15	85-90
	98	1597	1.6	Mits 4G32/G32B	84-88
	107	1754	1.8	Mits 4G37	89-90
COLT - E		1410	1.4	Mits G12B	84
	90	1468	1.5	Mits G15B/4G15	85-89
	98	1597	1.6	Mits 4G32/G32B	84
COLT - GL	90	1468	1.5	Mits G15B/4G15	90-94
	112	1834	1.8	Mits 4G93	93-94
COLT - GT	90	1468	1.5	Mits G15B/4G15	89-90
	98	1597	1.6	Mits 4G32/G32B	89-90
COLT - GTS	98	1597	1.6	Mits 4G32/G32B	88
COLT - PREMIER	90	1468	1.5	Mits G15B/4G15	85-88
	98	1597	1.6	Mits 4G32/G32B	85-88
COLT - VISTA	112	1834	1.8	Mits 4G93	92-94
	122	1997	2.0	Mits 4G63/G63B	84-91
		2351	2.4	Mits 4G64 (16V SOHC)	93-94
		2351	2.4	Mits 4G64 (8V SOHC)	92
COLT - VISTA CUSTOM	122	1997	2.0	Mits 4G63/G63B	86
COLT - VISTA SE	112	1834	1.8	Mits 4G93	92
		2351	2.4	Mits 4G64 (16V SOHC)	93-94
		2351	2.4	Mits 4G64 (8V SOHC)	92
CONQUEST	156	2555	2.6	Mits G54B	84-86
CUDA	318		5.2		72-74
	340		5.6		70-73
	360		5.9		74
	383		6.3		70-71
	426		7.0	(Excl. Hemi)	70-71
	440		7.2		70-71
CUSTOM	350		5.7		58
	361		5.9		60-61
	383		6.3		60-61
DUSTER	198		3.2		70-74
	225		3.7	Forged Crankshaft	72
	225	3687	3.7	Cast Crankshaft	76
	318		5.2		70-76
	360		5.9		76
DUSTER - 340	340		5.6		70-73
DUSTER - 360	360		5.9		74-75
DUSTER - CUSTOM	318		5.2		75
EXPO	135		2.2	SOHC	87-89
FLEET SPECIAL	318		5.2		60-63
	361		5.9		60-63
	383		6.3		60-63
	426		7.0	(Excl. Hemi)	63
FURY	225	3687	3.7	Cast Crankshaft	76-78
	273		4.5		64-65
	303		5.0		56
	318		5.2		58-78
	350		5.7		58
	360		5.9		75-78
	361		5.9		60-66
	383		6.3		60-67
	400		6.6		75-78
	426		7.0	(Excl. Hemi)	63-66
	440		7.2		75-78
FURY - CUSTOM	318		5.2		75
	360		5.9		75
	400		6.6		75
FURY - CUSTOM SUBURBAN	318		5.2		68-75
	360		5.9		71-75
	383		6.3		68-71
	400		6.6		72-75
	440		7.2		68-74
FURY - POLICE	360		5.9		74
	400		6.6		74
	440		7.2		74
FURY - SALON	225	3687	3.7	Cast Crankshaft	76-78
	318		5.2		76-78
	360		5.9		76-78
	400		6.6		76-78
	440		7.2		77-78
FURY - SPORT	225	3687	3.7	Cast Crankshaft	76-78
	318		5.2		68-78
	360		5.9		71-78
	383		6.3		68-71
	400		6.6		75-78
	440		7.2		68-71
FURY - SPORT GT	440		7.2		71
FURY - SPORT SUBURBAN	318		5.2		68-75
	360		5.9		71-78

PLYMOUTH MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
FURY - SPORT SUBURBAN	383		6.3		68-71
	400		6.6		72-78
	440		7.2		68-74
FURY - SUBURBAN	318		5.2		68-75
	360		5.9		71-78
	383		6.3		68-71
	400		6.6		72-78
	440		7.2		68-73
FURY - VIP	318		5.2		68-69
	383		6.3		68-69
	440		7.2		68-69
FURY I	318		5.2		68-73
	360		5.9		71-74
	383		6.3		68-71
	400		6.6		72-74
	440		7.2		68-73
FURY II	318		5.2		68-73
	360		5.9		71-74
	383		6.3		68-71
	400		6.6		72-74
	440		7.2		68-74
FURY III	318		5.2		68-73
	360		5.9		71-74
	383		6.3		68-71
	400		6.6		72-74
	440		7.2		68-74
GRAN FURY	225	3687	3.7	Cast Crankshaft	80-83
	318		5.2		72-89
	360		5.9		72-80
	400		6.6		72-77
	440		7.2		72-77
GRAN FURY - BROUGHAM	360		5.9		75-77
	400		6.6		75-77
	440		7.2		75-77
GRAN FURY - CUSTOM	318		5.2		75
	360		5.9		75-76
	400		6.6		75-76
	440		7.2		75-76
GRAN FURY - CUSTOM SUBURBAN	400		6.6		75-76
	440		7.2		75
GRAN FURY - SALON	225	3687	3.7	Cast Crankshaft	80
	318		5.2		80
	360		5.9		80
GRAN FURY - SPORT SUBURBAN	400		6.6		75-77
	440		7.2		75-77
GRAN FURY - SUBURBAN	400		6.6		75-77
	440		7.2		76-77
GRAND VOYAGER	148	2429	2.4	DOHC	96-97
	181	2972	3.0	Mits 6G72 SOHC	92-00
	201		3.3	OHV	97-00
	230		3.8	OHV	99
GRAND VOYAGER - LE	181	2972	3.0	Mits 6G72 SOHC	88-93
	201		3.3	OHV	90-95
	230		3.8	OHV	94-95
GRAND VOYAGER - SE	148	2429	2.4	DOHC	96-97
	153	2507	2.5	SOHC	88
	181	2972	3.0	Mits 6G72 SOHC	89-97
	201		3.3	OHV	90-97
	230		3.8	OHV	95
GTX	273		4.5		67
	318		5.2		67-68
	383		6.3		67-68
	426		7.0	(Excl. Hemi)	67-71
	440		7.2		67-71
HORIZON	98	1597	1.6	Mits 4G32/G32B	83
	105		1.7	VW Eng.	78-83
	135		2.2	SOHC	81-90
HORIZON - CUSTOM	105		1.7	VW Eng.	83
	135		2.2	SOHC	83
HORIZON - E-TYPE	105		1.7	VW Eng.	82
	135		2.2	SOHC	82
HORIZON - MISER	105		1.7	VW Eng.	81-82
	135		2.2	SOHC	81-82
HORIZON - SE	135		2.2	SOHC	84-86
HORIZON - TC3	105		1.7	VW Eng.	79-82
	135		2.2	SOHC	81-82
HORIZON - TC3 MISER	105		1.7	VW Eng.	81-82
	135		2.2	SOHC	81-82
HORIZON - TC3 TURISMO	105		1.7	VW Eng.	83
	135		2.2	SOHC	82-83
HORIZON - TURISMO	135		2.2	SOHC	84-87
HORIZON - TURISMO 2.2	135		2.2	SOHC	83-86
LASER	107	1755	1.8	Mits 4G37	90-94
LASER - RS	107	1755	1.8	Mits 4G37	90
	122	1997	2.0	Mits 4G63 DOHC	90-94
NEON	122	1996	2.0	16V DOHC	96-99
	122	1996	2.0	16V SOHC	95-01
NEON - HIGHLINE	122	1996	2.0	16V DOHC	95-97
	122	1996	2.0	16V SOHC	95-97
NEON - SPORT	122	1996	2.0	16V DOHC	95-96
	122	1996	2.0	16V SOHC	95-96
PB100 VAN - VOYAGER	225	3687	3.7	Cast Crankshaft	76-80
	318		5.2		74-80
	360		5.9		74-78
PB150 VAN - VOYAGER	225	3687	3.7	Cast Crankshaft	81-83
	318		5.2		81-83
PB200 VAN - VOYAGER	225	3687	3.7	Cast Crankshaft	76-80
	318		5.2		74-80
	360		5.9		74-80
	400		6.6		76-78
	440		7.2		76-78
PB200 VAN - VOYAGER EX WAGON	225	3687	3.7	Cast Crankshaft	76-77
	318		5.2		74-77
	360		5.9		74-77
	400		6.6		76-77
	440		7.2		77
PB200 VAN - VOYAGER MX WAGON	318		5.2		78-80
	360		5.9		78-80
	400		6.6		78
	440		7.2		78
PB250 VAN - VOYAGER	225	3687	3.7	Cast Crankshaft	81-83
	318		5.2		81-83
	360		5.9		81
PB300 VAN - VOYAGER	318		5.2		74-80
	360		5.9		74-80
	400		6.6		77-78
	440		7.2		76-78
PB300 VAN - VOYAGER EX WAGON	318		5.2		74-77
	360		5.9		74-77
	400		6.6		76-77
	440		7.2		76-77
PB300 VAN - VOYAGER MX WAGON	318		5.2		78-80
	360		5.9		78-80
	400		6.6		78
	440		7.2		78
PB350 VAN - VOYAGER	318		5.2		81-83
	360		5.9		81-83
PLAZA	318		5.2		58
	350		5.7		58
PROWLER	215	3497	3.5	SOHC (Aluminum Block)	99-01
	215	3497	3.5	SOHC (Cast Iron Block)	97
RELIANT	135		2.2	SOHC	81-87
	153	2507	2.5	SOHC	86-87

ACL Engine Bearings

PLYMOUTH MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
RELIANT	156	2555	2.6	Mits G54B	81-85
RELIANT - CUSTOM	135		2.2	SOHC	81-84
	156	2555	2.6	Mits G54B	81-84
RELIANT - LE	135		2.2	SOHC	85-89
	153	2507	2.5	SOHC	86-89
	156	2555	2.6	Mits G54B	85
RELIANT - SE	135		2.2	SOHC	81-86
	153	2507	2.5	SOHC	86
	156	2555	2.6	Mits G54B	81-85
ROADRUNNER	273		4.5		68
	318		5.2		68-75
	340		5.6		71-73
	360		5.9		74-75
	383		6.3		68-71
	400		6.6		72-75
	426		7.0	(Excl. Hemi)	68-71
	440		7.2		70-74
SAPPORO	98	1597	1.6	Mits 4G32/G32B	78-79
	156	2555	2.6	Mits G54B	78-83
SATELLITE	225		3.7	Forged Crankshaft	72
	273		4.5		65-68
	318		5.2		65-74
	360		5.9		74
	383		6.3		65-71
	400		6.6		72-74
	426		7.0	(Excl. Hemi)	65-67
	440		7.2		66-74
SATELLITE - BROUGHAM	318		5.2		71
	383		6.3		71
SATELLITE - CUSTOM	318		5.2		71-74
	340		5.6		72
	360		5.9		74
	383		6.3		71
	400		6.6		72-74
SATELLITE - REGENT	318		5.2		71-74
	360		5.9		74
	383		6.3		71
	400		6.6		72-74
SATELLITE - SEBRING	318		5.2		71-74
	340		5.6		72
	360		5.9		74
	383		6.3		71
	400		6.6		72-74
SATELLITE - SEBRING PLUS	318		5.2		71-74
	360		5.9		74
	383		6.3		71
	400		6.6		72-74
SATELLITE - SPORT	383		6.3		70
SAVOY	273		4.5		64
	318		5.2		58-64
	350		5.7		58
	361		5.9		60-64
	383		6.3		60-64
	426		7.0	(Excl. Hemi)	63-64
SCAMP	135		2.2	SOHC	83
	198		3.2		71-74
	225	3687	3.7	Cast Crankshaft	76
	318		5.2		71-76
SCAMP - SPECIAL	225	3687	3.7	Cast Crankshaft	76
	318		5.2		76
SPORT WAGON	318		5.2		60-61
	361		5.9		60-61
	383		6.3		60-61
SUBURBAN	318		5.2		58-61
	350		5.7		58
SUBURBAN	361		5.9		60-61
	383		6.3		60-61
SUNDANCE	135		2.2	SOHC	87-94
	153	2507	2.5	SOHC	88-94
SUNDANCE - AMERICA	135		2.2	SOHC	91-92
	153	2507	2.5	SOHC	92
SUNDANCE - DUSTER	153	2507	2.5	SOHC	92-94
	181	2972	3.0	Mits 6G72 SOHC	92-94
SUNDANCE - RS	153	2507	2.5	SOHC	91
	181	2972	3.0	Mits 6G72 SOHC	92
SUPERBIRD	440		7.2		70
TRAILDUSTER	225	3687	3.7	Cast Crankshaft	76-80
	318		5.2		74-81
	360		5.9		74-81
	400		6.6		76-78
	440		7.2		74-78
TURISMO	98	1597	1.6	Mits 4G32/G32B	83
VALIANT	170		2.8		60-67
	198		3.2		70-74
	225		3.7	Forged Crankshaft	72
	225	3687	3.7	Cast Crankshaft	76
	273		4.5		64-67
	318		5.2		70-76
	360		5.9		76
VALIANT - 100	170		2.8		68-69
	273		4.5		68-69
	318		5.2		68-69
VALIANT - BROUGHAM	318		5.2		74-75
VALIANT - CUSTOM	318		5.2		75
VALIANT - SIGNET	170		2.8		68-69
	273		4.5		68-69
	318		5.2		68-69
VIP	318		5.2		67
	383		6.3		67
	440		7.2		67
VOLARE	225	3687	3.7	Cast Crankshaft	76-80
	318		5.2		76-80
	360		5.9		76-80
VOLARE - CUSTOM	225	3687	3.7	Cast Crankshaft	76-77
	318		5.2		76-77
	360		5.9		76-77
VOLARE - PREMIER	225	3687	3.7	Cast Crankshaft	76-77
	318		5.2		76-77
	360		5.9		76-77
VOYAGER	135		2.2	SOHC	84-87
	148	2429	2.4	DOHC	96-00
	153	2507	2.5	SOHC	88-95
	156	2555	2.6	Mits G54B	84-87
	181	2972	3.0	Mits 6G72 SOHC	90-00
	201		3.3	OHV	95-00
	230		3.8	OHV	98-99
VOYAGER - LE	135		2.2	SOHC	84-87
	153	2507	2.5	SOHC	87-91
	156	2555	2.6	Mits G54B	84-87
	181	2972	3.0	Mits 6G72 SOHC	87-95
	201		3.3	OHV	91-95
VOYAGER - LX	181	2972	3.0	Mits 6G72 SOHC	94
	201		3.3	OHV	94
VOYAGER - SE	135		2.2	SOHC	84-87
	148	2429	2.4	DOHC	96-97
	153	2507	2.5	SOHC	87-93
	156	2555	2.6	Mits G54B	84-87
	181	2972	3.0	Mits 6G72 SOHC	87-97
	201		3.3	OHV	91-97

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
1410cc (1.4) Mits G12B		**2**	**L4**	**74mm x 82mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**				
1410cc (1.4) Mits G12B		**A**	**L4**	**74mm x 82mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**				
1410cc (1.4) Mits G12B		**J**	**L4**	**74mm x 82mm**					
Rod									
	41.981/1.6528 42.000/1.6535	45.000/1.7717 45.020/1.7724	1.493/0.0588	.015/.0006 .071/.0028	17.63/0.694	F820	8	1736AL IH	**4B1736** Std. .25 .50 .75 1.0
Main - full groove on #1,2,4,5 positions.									
1,2,4,5	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .076/.0030	19.13/0.753	F820	8	1737AL IH	**5M1737** Std. .25 .50 .75 1.0
3(FI)	47.980/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .076/.0030	23.95/0.943	F820	2	1738AL IH	
Overflange length remains constant for standard and undersizes.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
90 1468cc (1.5) Mits G15B/4G15		**A**	**L4**	**75.5mm x 82mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**				
90 1468cc (1.5) Mits G15B/4G15		**K**	**L4**	**75.5mm x 82mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**				
90 1468cc (1.5) Mits G15B/4G15		**P**	**L4**	**75.5mm x 82mm**					
90 1468cc (1.5) Mits G15B/4G15		**X**	**L4**	**75.5mm x 82mm**					
Rod - for engines 8/88-1994.									
	41.981/1.6528 42.000/1.6535	45.000/1.7717 45.020/1.7724	1.493/0.0588	.015/.0006 .079/.0031	15.60/0.614	F810	8	1130A IH	**4B1130** Std. .25 .50 .75 1.0
Rod - for engines 1985 - 8/88 only.									
	41.981/1.6528 42.000/1.6535	45.000/1.7717 45.020/1.7724	1.493/0.0588	.015/.0006 .071/.0028	17.63/0.694	F820	8	1736AL IH	**4B1736** Std. .25 .50 .75 1.0
Main									
1,2,4,5	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .085/.0033	19.13/0.753	F810	8	1124A U/L	**5M1124** Std. .25 .50 .75
3(FI)	47.981/1.8890 48.000/1.8898	52.000/2.0472 52.020/2.0480	1.990/0.0783	.020/.0008 .085/.0033	23.95/0.943	F810	2	1125A IH	
Overflange length remains constant for standard and undersizes.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**3**
98 1597cc (1.6) Mits 4G32/G32B		**3**	**L4**	**76.9mm x 86mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**				
98 1597cc (1.6) Mits 4G32/G32B		**B**	**L4**	**76.9mm x 86mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**				
98 1597cc (1.6) Mits 4G32/G32B Turbo		**F**	**L4**	**76.9mm x 86mm**					
98 1597cc (1.6) Mits 4G32/G32B		**K**	**L4**	**76.9mm x 86mm**					
98 1597cc (1.6) Mits 4G32/G32B		**Y**	**L4**	**76.9mm x 86mm**					
98 1597cc (1.6) Mits 4G32/G32B Turbo		**Z**	**L4**	**76.9mm x 86mm**					
Rod									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH	**4B1146** Std. .25 .50 .75 1.0
Main									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U	**5M1144** Std. .25 .50 .75 1.0
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH	
Overflange length remains constant for standard and undersizes.									
Balance Shaft									
RHF	38.974/1.5344 (Max.)	42.024/1.6545 (Max.)	1.506/0.0593	.020/.0008 .076/.0030	19.25/0.758	F830	1	SH1465	**3BS8385** Std.
RHR, LHR	35.977/1.4164 (Max.)	39.025/1.5364 (Max.)	1.496/0.0589	.043/.0017 .099/.0039	16.00/0.630	F830	2	SH1466	

PLYMOUTH

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 (Cont'd.)									
	Cam Tower - Includes oil holes for upper position and wide bearings for #1 position. Line bore tunnel to 1.4966"/1.4976" (38.014/38.038mm).								
5SC761 Std.	1	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	22.96/0.904	F23	2	SC762 U/L
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC761 U
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC760 L

4 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
105 (1.7) VW Eng.	**A**	**L4**	**79.5mm x 86mm**	**Connecting Rod 33 ft. lbs./45 Nm**
105 (1.7) VW Eng.	**B**	**L4**	**79.5mm x 86mm**	**Main Bearing 47 ft. lbs/64 Nm**

	Rod								
4B1636 Std. .25 .50 .75 1.0		45.949/1.8090 45.969/1.8098	49.000/1.9291 49.017/1.9298	1.506/0.0593	.018/.0007 .082/.0032	19.00/0.748	F780	8	1636 IH
	Main - for engines requiring full groove in #4 position.								
5M1645 Std. .25 .50 .75 1.0	1,2,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	3	1644 L
	1,2,4,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	4	1648 U
	4	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	1	1648 L
	3 (FI)	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	24.93/0.981	F780	2	1645 U/L
	Overflange length remains constant for standard and undersizes.								
	Small End - not bored, single pieces.								
RB4053 Semi		21.996/0.8660 22.000/0.8661	25.000/0.9843 25.033/0.9855			25.00/0.984	F100	1	RB4053
	AR Auxiliary - Semi finished in I.D.								
2BS7006 Semi	1	42.959/1.6913 42.975/1.6919	46.000/1.8110 46.025/1.8120			15.00/0.591	F23	1	7006
	2	41.959/1.6519 41.975/1.6526	45.000/1.7717 45.025/1.7726			15.00/0.591	F23	1	7007
	AR Auxiliary - Finished in I.D.								
2C1209S Std.	1	42.959/1.6913 42.974/1.6919	45.999/1.8110 46.025/1.8120	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-1
	2	41.958/1.6519 41.974/1.6525	44.999/1.7716 45.024/1.7726	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-2

5 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
107 1754cc (1.8) Mits 4G37	**T**	**L4**	**80.6mm x 86mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm**
107 1755cc (1.8) Mits 4G37	**B**	**L4**	**80.6mm x 86mm**	**Main Bearing 36-40 ft.lbs/49-54 Nm**
107 1755cc (1.8) Mits 4G37	**T**	**L4**	**80.6mm x 86mm**	

	Rod								
4B1146 Std. .25 .50 .75 1.0		44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH
	Main - half groove bearing set.								
5M1144 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 5
Main - full groove bearing set.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.00/0.906	F810	8	1147A IH	**5M1147** Std. .25 .50 .75 1.0
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH	
Overflange length remains constant for standard and undersizes.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
112 1834cc (1.8) Mits 4G93	**C**	**L4**	**81mm x 89mm**	**Connecting Rod 15 ft.lbs/20 Nm + 1/4 turn**	6
112 1834cc (1.8) Mits 4G93	**D**	**L4**	**81mm x 89mm**	**Main Bearing 18 ft.lbs/25 Nm + 1/4 turn** Tighten main bearing caps from center, working towards end caps.	

Rod - To be superceded by 4B8036A when stock exhausted.									
	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.015/1.8904	1.492/0.0587	.016/.0006 .077/.0030	16.80/0.661	F780	8	8036 IH	**4B8036** Std. .25 .50 .75 1.0
Rod - High Strength Aluminum Silicon material.									
	44.980/1.7709 45.000/1.7717	48.000/1.8898 48.015/1.8904	1.492/0.0587	.016/.0006 .077/.0030	16.80/0.661	F810	8	8036A IH	**4B8036A** Std. .25 .50 .75 1.0
Main - To be superceded by 5M8037A when stock exhausted.									
1-5	49.982/1.9678 50.000/1.9685	54.000/2.1260 54.018/2.1267	1.991/0.0784	.018/.0007 .080/.0031	19.13/0.753	F780	10	8037 U/L	**5M8037** Std. .25 .50
Main - High Strength Aluminum Silicon material.									
1-5	49.982/1.9678 50.000/1.9685	54.000/2.1260 54.018/2.1267	1.991/0.0784	.018/.0007 .080/.0031	19.13/0.753	F810	10	8037A U/L	**5M8037A** Std. .25 .50 .75 1.0
Thrust									
3	56.000/2.2047 56.250/2.2146	75.400/2.9685 75.700/2.9803			1.98/0.078	F817	2	8037T IH	**1T8037** Std.
Set includes 2 pieces, use on number 3 position. Required with 5M8037.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
122 1995cc (2.0) Mits 4G52/G52B	**U**	**L4**	**84mm x 90mm**	**Connecting Rod 33-34 ft.lbs/45-47 Nm**	7
122 1997cc (2.0) Mits 4G52/G52B	**5**	**L4**	**84mm x 90mm**	**Main Bearing 55-61 ft.lbs/75-83 Nm**	
122 1997cc (2.0) Mits 4G52/G52B	**U**	**L4**	**84mm x 90mm**		

Rod									
	52.973/2.0855 53.000/2.0866	56.007/2.2050 56.021/2.2055	1.493/0.0588	.021/.0008 .076/.0030	25.13/0.989	F820	8	1136AL IH	**4B1136** Std. .25 .50 .75 1.0
Main - to suit engines with 66mm/2.5984" journals 76 - 7/78.									
1,2,4,5	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	25.13/0.989	F780	8	1137 U/L	**5M1137** Std. .25 .50 .75 1.0
3 (FI)	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	30.95/1.219	F780	2	1138 IH	
Overflange length remains constant for standard and undersizes.									
Main - to suit engines with 60mm/2.3622" journals 8/78 - on.									
1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U	**5M1139** Std. .25 .50 .75 1.0
1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L	
3 (FI)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	30.95/1.219	F820	2	1135AL IH	
Overflange length remains constant for standard and undersizes.									

PLYMOUTH

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 (Cont'd.)									
	Main - optional set to 5M1139 with overflange length increase for undersizes. *See below for dimensional information.								
5M1143 .25 .50 .75 1.0	1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U
	1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L
	3 (Fl)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	(See Table)	F820	2	1143AL IH

*** DIMENSIONAL INFORMATION FOR 5M1143**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.223"/31.05mm	+0.004"/0.10mm
0.50 mm u/s shaft	1.226"/31.13mm	+0.007"/0.18mm
0.75 mm u/s shaft	1.229"/31.21mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.232"/31.29mm	+0.013"/0.34mm

	Balance Shaft - repair bushing. Single piece +.173" OD. Line bore housing to 1.985"/1.986".								
1BS8288 Std.		43.009/1.6933 43.025/1.6939	50.419/1.9850 50.444/1.9860	3.680/0.1450	.025/.0010 .089/.0035	20.24/0.797	F23	1	8288 OOD
	Balance Shaft - grooved number 2 & 3 position bearings.								
3BS8288 Std. .25	2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8288
	1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289
	Balance Shaft - ungrooved number 2 & 3 position bearings.								
3BS8369 Std. .25	2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8369
	1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289
	Cam Tower - Includes oil holes for upper position and wide bearings for #1 position. Line bore tunnel to 1.4966"/1.4976" (38.014/38.038mm).								
5SC761 Std.	1	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	22.96/0.904	F23	2	SC762 U/L
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC761 U
	2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC760 L

8 ENGINE	**VIN**	**CYL**	**Bore x Stroke**
122 1997cc (2.0) Mits 4G63/G63B	**D**	**L4**	**85mm x 88mm**
122 1997cc (2.0) Mits 4G63 DOHC	**E**	**L4**	**85mm x 88mm**
122 1997cc (2.0) Mits 4G63 DOHC Turbo	**F**	**L4**	**85mm x 88mm**
122 1997cc (2.0) Mits 4G63 DOHC	**R**	**L4**	**85mm x 88mm**
122 1997cc (2.0) Mits 4G63 DOHC Turbo	**U**	**L4**	**85mm x 88mm**
122 1997cc (2.0) Mits 4G63/G63B	**V**	**L4**	**85mm x 88mm**

TORQUE SETTINGS

Connecting Rod 14 ft.lbs + 90 deg. (1993-94 only)
Connecting Rod 23-25 ft.lbs/31-34 Nm (1983-88 only)
Connecting Rod 36-39 ft.lbs/49-53 Nm (1989-92 only)
Main Bearing 37-39 ft.lbs/50-53 Nm (SOHC engines)
Main Bearing 47-51 ft.lbs/64-69 Nm (DOHC engines)

	Rod - For engines to 1984-5/92 only.								
4B1146 Std. .25 .50 .75 1.0		44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH
	Rod - For engines from 6/92-94.								
4B1185 Std. .25 .50 .75 1.0		44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.493/0.0588	.016/.0006 .078/.0031	21.10/0.831	F810	8	1185A IH
	Main - for engines 1984-5/92 only - half groove.								
5M1144 Std. .25 .50 .75 1.0	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L
	3 (Fl)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH

Overflange length remains constant for standard and undersizes.

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 8
Main - for engines 1984-5/92 only - full groove.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.00/0.906	F810	8	1147A IH	**5M1147** Std. .25 .50 .75 1.0
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH	
Overflange length remains constant for standard and undersizes.									
Main - for engines from 6/92-94.									
1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L	**5M1186** Std. .25 .50 .75 1.0
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	25.40/1.000	F810	2	1187A IH	
Overflange length remains constant for standard and undersizes.									
Main - Alt set to 5M1186 with +0.010" overflange length increase. * See below for dimensional information.									
1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L	**5M1213** .25 .50 .75 1.0
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	25.65/1.010	F810	2	1213A IH	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M1213**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.50 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.75 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Balance Shaft - for engines from 1984-7/85.									
RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387	**3BS8387** Std.
RHR, LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	2	8388	
Balance Shaft - for engines from 8/85-94.									
RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387	**3BS8389** Std. .25 .50
LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388	
RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 9
122 1996cc (2.0) 16V SOHC	**C**	**L4**	**87.5mm x 83mm**	**Connecting Rod 20 ft.lbs + 90 deg**
122 1996cc (2.0) 16V DOHC	**Y**	**L4**	**87.5mm x 83mm**	**Main Bearing 22 ft.lbs** M8 bolts with bedplate
122 1996cc (2.0) 16V SOHC (ECB)	**C**	**L4**	**87.5mm x 83mm**	**Main Bearing 30 ft.lbs + 90 deg** M10 bolts only
122 1996cc (2.0) 16V DOHC (ECC)	**Y**	**L4**	**87.5mm x 83mm**	**Main Bearing 40 ft.lbs** M10 bolts with bedplate
				Main Bearing 60 ft.lbs M11 bolts only

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod									
	47.991/1.8894 48.006/1.8900	50.991/2.0075 51.006/2.0081	1.490/0.0587	.005/.0002 .061/.0024	20.50/0.807	F780	8	7171 IH	**4B1635P** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 4B1635P.									
	47.991/1.8894 48.006/1.8900	51.041/2.0095 51.056/2.0101	1.640/0.0646 (@ .25 mm u/s)	.005/.0002 .061/.0024	20.50/0.807	F780	8	9091 IH	**4B1635PO/S2** Std. .25 .50 .75
Main - suits engines from 1996 on.									
1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	19.96/0.786	F780	8	4342 U/L	**5M2028P** Std. .25 .50 .75
3 (FI)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	26.26/1.034	F780	2	4343 U/L	
Overflange length remains constant for standard and undersizes.									

PLYMOUTH

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
9 (Cont'd.)									
	Main - .002" oversize OD version of 5M2028P.								
5M2028PO/S2 .25 .50 .75	1,2,4,5	51.991/2.0469 52.006/2.0475	56.048/2.2066 56.058/2.2070	2.011/0.0792 (@ STD u/s)	.018/.0007 .071/.0028	19.96/0.786	F780	8	9093 U/L
	3 (Fl)	51.991/2.0469 52.006/2.0475	56.048/2.2066 56.058/2.2070	2.011/0.0792 (@ STD u/s)	.018/.0007 .071/.0028	26.26/1.034	F780	2	9094 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - 1995 engines only (opposite tang position in lower half).								
5M4372P Std. .25 .50 .75	1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .071/.0028	19.96/0.786	F780	4	4372 L
	1,2,4,5	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	19.96/0.786	F780	4	4342 U
	3 (Fl)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	26.26/1.034	F780	1	4373 L
	3 (Fl)	51.991/2.0469 52.006/2.0475	55.997/2.2046 56.007/2.2050	1.986/0.0782	.018/.0007 .072/.0028	26.26/1.034	F780	1	4343 U
	Cam - SOHC Engines only.								
5C1004S Std.	1	41.123/1.6190 41.145/1.6199	43.269/1.7035 (Nominal)	1.026/0.0404		20.70/0.815	F23	1	PDA-3-1
	2	41.504/1.6340 41.529/1.6350	43.675/1.7195 (Nominal)	1.031/0.0406		19.68/0.775	F23	1	PDA-3-2
	3	41.910/1.6500 41.935/1.6510	44.056/1.7345 (Nominal)	1.021/0.0402		19.68/0.775	F23	1	PDA-3-3
	4	42.316/1.6660 42.367/1.6680	44.463/1.7505 (Nominal)	1.026/0.0404		19.68/0.775	F23	1	PDA-3-4
	5	42.723/1.6820 42.746/1.6829	44.869/1.7665 (Nominal)	1.026/0.0404		18.92/0.745	F23	1	PDA-3-5

10 ENGINE

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
135 (2.2) SOHC	8	L4	87.5mm x 92mm	Connecting Rod 40 ft.lbs/54 Nm + 1/4 turn
135 (2.2) SOHC	B	L4	87.5mm x 92mm	Main Bearing 30 ft.lbs/41 Nm + 1/4 turn
135 (2.2) SOHC	C	L4	87.5mm x 92mm	
135 (2.2) SOHC	D	L4	87.5mm x 92mm	
135 (2.2) SOHC Turbo	E	L4	87.5mm x 92mm	
153 2507cc (2.5) SOHC Turbo	J	L4	87.5mm x 104mm	
153 2507cc (2.5) SOHC	K	L4	87.5mm x 104mm	
153 2507cc (2.5) SOHC	V	L4	87.5mm x 104mm	

	Rod								
4B1269P Std. 10 20 30 40		49.980/1.9677 50.005/1.9687	52.989/2.0862 53.007/2.0869	1.483/0.0584	.018/.0007 .087/.0034	20.04/0.789	F780	8	4360 IH
	Main								
5M1533P Std. 10 20 30 40	1,2,4,5	59.987/2.3617 60.013/2.3627	63.990/2.5193 64.008/2.5200	1.976/0.0778	.025/.0010 .095/.0037	21.46/0.845	F780	8	4358 IH
	3 (Fl)	59.987/2.3617 60.013/2.3627	63.990/2.5193 64.008/2.5200	1.976/0.0778	.025/.0010 .095/.0037	27.86/1.097	F780	2	4359 IH
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 5M1533P with +0.010" overflange length increase. *See below for dimensional information.								
5M4369P 10 20 30 40	1,2,4,5	59.987/2.3617 60.013/2.3627	63.990/2.5193 64.008/2.5200	1.976/0.0778	.025/.0010 .095/.0037	21.46/0.845	F780	8	4358 IH
	3 (Fl)	59.987/2.3617 60.013/2.3627	63.990/2.5193 64.008/2.5200	1.976/0.0778	.025/.0010 .095/.0037	28.12/1.107	F780	2	4369 IH
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M4369P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.107"	+0.010"
.020" u/s shaft	1.107"	+0.010"
.030" u/s shaft	1.107"	+0.010"
.040" u/s shaft	1.107"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 10
Balance Shaft - 2.5L engines only.									
	42.012/1.6540 (Nominal)	45.350/1.7854 45.410/1.7878	2.032/0.0800 (Semi)		22.10/0.870	F23	2	PDG-29-1	**2BS1403S** Semi
Balance Shaft - 2.2L engines only.									
1	42.670/1.6799 42.695/1.6809	45.970/1.8098 46.030/1.8122	1.633/0.0643		19.05/0.750	F23	1	PDG-26-1	**2C026S** Std.
2	19.670/0.7744 19.693/0.7753	22.970/0.9043 23.030/0.9067	1.633/0.0643		21.08/0.830	F23	1	PDG-26-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 11
148 2429cc (2.4) DOHC	**B**	**L4**	**87.5mm x 101mm**	**Connecting Rod 21 ft.lbs/28 Nm + 90 deg turn**
148 2429cc (2.4) DOHC	**X**	**L4**	**87.5mm x 101mm**	**Main Bearing 25 ft.lbs/34 Nm** (M8 Bedplate Bolts)
148 2429cc (2.4) DOHC (EDZ)	**X**	**L4**	**87.5mm x 101mm**	**Main Bearing 30 ft.lbs/41 Nm + 90 deg turn** (M11 Main Cap Bolts)

Rod									
	50.007/1.9688 50.025/1.9695	52.995/2.0864 53.007/2.0869	1.483/0.0584	.004/.0002 .060/.0024	20.13/0.793	F780	8	4565 IH	**4B4565P** Std. .25 .50 .75 1.0
Rod - .002" oversize OD version of 4B4565P.									
	50.007/1.9688 50.025/1.9695	53.045/2.0884 53.057/2.0889	1.633/0.0643 (@ 0.25 mm u/s)	.004/.0002 .060/.0024	20.13/0.793	F780	8	9096 IH	**4B4565PO/S2** .25 .50 .75 1.0
Main									
1,2,4,5	59.992/2.3619 60.007/2.3625	64.000/2.5197 64.013/2.5202	1.984/0.0781	.018/.0007 .058/.0023	21.62/0.851	F780	8	7312 IH	**5M7313P** Std. .25 .50 .75
3 (FI)	59.992/2.3619 60.007/2.3625	64.000/2.5197 64.013/2.5202	1.984/0.0781	.017/.0007 .058/.0023	27.86/1.097	F780	2	7313 U/L	
Overflange length remains constant for standard and undersizes.									
Main - .002" oversize OD version of 5M7313P.									
1,2,4,5	50.992/2.0076 60.007/2.3625	64.051/2.5217 64.063/2.5222	2.134/0.0840 (@ 0.25mm u/s)	.018/.0007 .058/.0023	21.62/0.851	F780	8	9097 IH	**5M7313PO/S2** .25 .50 .75
3 (FI)	59.992/2.3619 60.007/2.3625	64.051/2.5217 64.063/2.5222	2.134/0.0840 (@ 0.25mm u/s)	.017/.0007 .058/.0023	27.86/1.097	F780	2	9098 U/L	
Overflange length remains constant for standard and undersizes.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 12
2351cc (2.4) Mits 4G64 (16V SOHC)	**G**	**L4**	**86.5mm x 100mm**	**Connecting Rod 14 ft.lbs + 90 deg.** (1993-94 SOHC engines)
2351cc (2.4) Mits 4G64 (8V SOHC)	**W**	**L4**	**86.5mm x 100mm**	**Connecting Rod 23-25 ft.lbs/31-34 Nm** (1992 engines) **Main Bearing 18 ft.lbs + 90 deg.** (1993-94 SOHC engines) **Main Bearing 36-40 ft.lbs/49-54 Nm** (1992 engines)

Rod - For engines from 1992-5/92 only.									
	44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH	**4B1146** Std. .25 .50 .75 1.0
Rod - For engines from 6/92-94 only.									
	44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.493/0.0588	.016/.0006 .078/.0031	21.10/0.831	F810	8	1185A IH	**4B1185** Std. .25 .50 .75 1.0
Main - for engines from 1992 - 5/92.									
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1153A L	**5M1153** Std. .25 .50 .75
1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U	
3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1154A IH	
Overflange length remains constant for standard and undersizes.									

PLYMOUTH

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
12 (Cont'd.)									
	Main - for engines from 6/92-94 only.								
5M1186 Std. .25 .50 .75 1.0	1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L
	3 (Fl)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	25.40/1.000	F810	2	1187A IH
	Overflange length remains constant for standard and undersizes.								
	Main - Alt set to 5M1186 with +0.010" overflange length increase. * See below for dimensional information.								
5M1213 .25 .50 .75 1.0	1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L
	3 (Fl)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	25.65/1.010	F810	2	1213A IH
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M1213**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.50 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.75 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm

	Balance Shaft								
3BS8389 Std. .25 .50	RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
	LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388
	RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389

13 ENGINE

ENGINE	VIN	CYL	Bore x Stroke
156 2555cc (2.6) Mits G54B	7	L4	91.1mm x 98mm
156 2555cc (2.6) Mits G54B	D	L4	91.1mm x 98mm
156 2555cc (2.6) Mits G54B	F	L4	91.1mm x 98mm
156 2555cc (2.6) Mits G54B	G	L4	91.1mm x 98mm
156 2555cc (2.6) Mits G54B Turbo	H	L4	91.1mm x 98mm
156 2555cc (2.6) Mits G54B Turbo	N	L4	91.1mm x 98mm
156 2555cc (2.6) Mits G54B	W	L4	91.1mm x 98mm

TORQUE SETTINGS

Connecting Rod 32-35 ft.lbs/44-47 Nm
Main Bearing 55-61 ft.lbs/74-83 Nm

	Rod								
4B1136 Std. .25 .50 .75 1.0		52.973/2.0855 53.000/2.0866	56.007/2.2050 56.021/2.2055	1.493/0.0588	.021/.0008 .076/.0030	25.13/0.989	F820	8	1136AL IH
	Main - for 1978 engines with 66mm/2.5984" main journal diameter only.								
5M1137 Std. .25 .50 .75 1.0	1,2,4,5	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	25.13/0.989	F780	8	1137 U/L
	3 (Fl)	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	30.95/1.219	F780	2	1138 IH
	Overflange length remains constant for standard and undersizes.								
	Main - for 1978-87 engines with 60mm/2.3622" main journal diameter only.								
5M1139 Std. .25 .50 .75 1.0	1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U
	1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L
	3 (Fl)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	30.95/1.219	F820	2	1135AL IH
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 13
Main - alternate set to 5M1139.									
1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1134AL U	**5M1143** .25 .50 .75 1.0
1,2,4,5	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	25.13/0.989	F820	4	1139AL L	
3 (FI)	59.973/2.3611 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.990/0.0783	.020/.0008 .081/.0032	(See Table)	F820	2	1143AL IH	
*overflange width increases for undersizes. *See below for dimensional information.*									
Balance Shaft - engine block repair bushing. Single piece +.173" O.D. Line bore housing to 1.985"-1.986".									
	43.009/1.6933 43.025/1.6939	50.419/1.9850 50.444/1.9860	3.680/0.1450	.025/.0010 .089/.0035	20.24/0.797	F23	1	8288 OOD	**1BS8288** Std.
Balance Shaft - bearing with groove.									
2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8288	**3BS8288** Std. .25
1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289	
Balance Shaft - bearing without groove.									
2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8369	**3BS8369** Std. .25
1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289	
Cam Tower - Includes oil holes for upper position and wide bearings for #1 position. Line bore tunnel to 1.4966"/1.4976" (38.014/38.038mm).									
1	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	22.96/0.904	F23	2	SC762 U/L	**5SC761** Std.
2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC761 U	
2,3,4,5	33.924/1.3356 33.950/1.3366	38.014/1.4966 38.038/1.4976	2.006/0.0790	.041/.0016 .104/.0041	20.14/0.793	F23	4	SC760 L	
Rod									
	55.537/2.1865 55.563/2.1875	58.737/2.3125 58.750/2.3130	1.578/0.0621	.018/.0007 .073/.0029	25.14/0.990	F820	12	4601AL IH	**6B606AL** Std. 10 20 30 40
Main									
1,2,4	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.428/0.0956	.021/.0008 .075/.0030	26.39/1.039	F820	6	4602AL U/L	**4M517AL** Std. 10 20 30 40
3 (FI)	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.432/0.0957	.016/.0006 .067/.0026	31.88/1.255	F820	2	4605AL U/L	
Overflange length remains constant for standard and undersizes.									

*** DIMENSIONAL INFORMATION FOR 5M1143**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.223"/31.05mm	+0.004"/0.10mm
0.50 mm u/s shaft	1.226"/31.13mm	+0.007"/0.18mm
0.75 mm u/s shaft	1.229"/31.21mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.232"/31.29mm	+0.013"/0.34mm

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 14
170 (2.8)		**L6**	**3.40 x 3.13**	**Connecting Rod 45 ft.lbs/61 Nm**
170 (2.8)	**A**	**L6**	**3.40 x 3.13**	**Main Bearing 85 ft.lbs/115 Nm**
198 (3.2)	**B**	**L6**	**3.40 x 3.64**	
225 (3.7) Forged Crankshaft		**L6**	**3.40 x 4.13**	
225 (3.7) Forged Crankshaft	**B**	**L6**	**3.40 x 4.13**	
225 (3.7) Forged Crankshaft	**C**	**L6**	**3.40 x 4.13**	
225 (3.7) Forged Crankshaft	**E**	**L6**	**3.40 x 4.13**	

PLYMOUTH

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
14 (Cont'd.)									
	Cam								
4C874S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		23.49/0.925	F23	1	PD-18-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.18/0.755	F23	1	PD-13-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-13-4
	Small End - semi finished - single pieces.								
RB2134Y Semi		25.009/0.9846 (Finish ID Bore Size)	26.378/1.0385 (Nominal)			30.48/1.200	F100	1	2134Y

15 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
181 2972cc (3.0) Mits 6G72 SOHC	**3**	**V6**	**91.2mm x 76mm**	**Connecting Rod 38 ft.lbs/52 Nm Main Bearing 60 ft.lbs/81 Nm**

	Rod								
6B1140 Std. .25 .50 .75 1.0		49.972/1.9674 50.000/1.9685	53.000/2.0866 53.020/2.0874	1.493/0.0588	.015/.0006 .089/.0035	15.50/0.610	F810	12	1140A IH
	Main								
4M1149 Std. .25 .50 .75 1.0	1-4	59.980/2.3614 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.988/0.0783	.020/.0008 .086/.0034	18.13/0.714	F810	8	1149A U/L
	Thrust								
2T1149 Std.	3	66.000/2.5984 66.250/2.6083	77.450/3.0492 77.700/3.0590			1.98/0.078	F817	4	1149T U/L

Note: Thrust set includes 4 pieces, use on No. 3 position. Required with 4M1149 main set.

16 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
201 (3.3) OHV	**J**	**V6**	**93mm x 81mm**	**Connecting Rod 40 ft.lbs/54 Nm + 1/4 turn**
201 (3.3) OHV	**R**	**V6**	**93mm x 81mm**	**Main Bearing 30 ft.lbs/41 Nm + 1/4 turn**
201 (3.3) OHV (EGM)	**G**	**V6**	**93mm x 81mm**	
230 (3.8) OHV	**L**	**V6**	**96mm x 87mm**	
230 (3.8) OHV (EGH)	**L**	**V6**	**96mm x 87mm**	

	Rod - High Strength Aluminum Silicon material.								
6B1410A Std. .25 .50 .75 1.0		57.988/2.2830 58.014/2.2840	60.993/2.4013 61.006/2.4018	1.483/0.0584	.013/.0005 .068/.0027	16.54/0.651	F810	12	1470A IH
	Main - Alternate set to 4M1946P with +0.010" overflange length increase. *See below for dimensional information.								
4M1958P .25 .50 .75 1.0	1,3,4	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.49/0.964	F780	6	1948 U/L
	2 (FI)	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.13/0.950	F780	2	1958 U/L

To be disontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1958P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.950"	+0.010"
0.50 mm u/s shaft	0.950"	+0.010"
0.75 mm u/s shaft	0.950"	+0.010"
1.00 mm u/s shaft	0.950"	+0.010"

	Main - High Strength Aluminum Silicon material.								
4M7278A Std. .25 .50 .75	1,2,4	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.49/0.964	F810	6	1948A U/L
	2 (FI)	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	23.88/0.940	F810	2	7278A U/L

Overflange length remains constant for standard and undersizes.

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 16
Cam - supercedes 4C1405S. Set has OD groove on #2 & #3 position bearings.									
1	50.724/1.9970 50.775/1.9990	54.089/2.1295 54.115/2.1305	1.643/0.0647		23.75/0.935	F23	1	PD-28-1	**4C1405BS** Std.
2	50.292/1.9800 50.343/1.9820	53.683/2.1135 53.708/2.1145	1.659/0.0653		15.62/0.615	F23	1	PD-28-2B	
3	49.911/1.9650 49.962/1.9670	53.302/2.0985 53.327/2.0995	1.659/0.0653		15.62/0.615	F23	1	PD-28-3B	
4	49.530/1.9500 49.581/1.9520	52.896/2.0825 52.921/2.0835	1.643/0.0647		15.62/0.615	F23	1	PD-28-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
215 3497cc (3.5) SOHC (Cast Iron Block)	**F**	**V6**	**96mm x 81mm**	**Connecting Rod 40 ft.lbs/54 Nm + 1/4 turn** **Main Bearing 30 ft.lbs/41 Nm + 1/4 turn**	17

Rod - High Strength Aluminum Silicon material.									
	57.988/2.2830 58.014/2.2840	60.993/2.4013 61.006/2.4018	1.483/0.0584	.013/.0005 .068/.0027	16.54/0.651	F810	12	1470A IH	**6B1410A** Std. .25 .50 .75 1.0
Main									
1,3,4	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	24.49/0.964	F780	6	MB3340P U/L	**4M2010P** Std. .25 .50 .75
2 (FI)	63.988/2.5192 64.013/2.5202	67.993/2.6769 68.014/2.6777	1.983/0.0781	.013/.0005 .051/.0020	28.70/1.130	F780	2	MB3471P U/L	

Overflange length remains constant for standard and undersizes.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
215 3497cc (3.5) SOHC (Aluminum Block)		**V6**	**96.01mm x 81mm**	**Connecting Rod 40 ft.lbs + 90 deg** **Main Bearing 15 ft.lbs + 90 deg** 3.5L engines **Main Bearing 20 ft.lbs + 90 deg** 3.5L engines (Tray)	18
215 3497cc (3.5) SOHC (Aluminum Block)	**G**	**V6**	**96.01mm x 81mm**	**Main Bearing 21 ft.lbs** 3.5L engines (Side Bolts)	

Rod - High Strength Aluminum Silicon material.									
	57.988/2.2830 58.014/2.2840	60.993/2.4013 61.006/2.4018	1.483/0.0584	.013/.0005 .068/.0027	16.54/0.651	F810	12	1470A IH	**6B1410A** Std. .25 .50 .75 1.0
Main									
1-4	63.988/2.5192 64.013/2.5202	68.989/2.7161 69.009/2.7169	2.485/0.0978	.018/.0007 .056/.0022	17.58/0.692	F780	12	7182 U/L	**4M7182P** Std. .25 .50 .75 1.0
Thrust									
	71.100/2.7992 71.350/2.8090 (ID)	90.190/3.5508 90.440/3.5606 (OD)			2.06/0.081	F817	2	7172T U	**1T7172** Std. +.25

Note: Thrust set includes 2 pieces, use on No. 2 position. Required with 4M7182P main set.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
225 3687cc (3.7) Cast Crankshaft	**B**	**L6**	**3.40 x 4.13**	**Connecting Rod 45 ft.lbs/61 Nm** **Main Bearing 85 ft.lbs/115 Nm**	19
225 3687cc (3.7) Cast Crankshaft	**C**	**L6**	**3.40 x 4.13**		
225 3687cc (3.7) Cast Crankshaft	**D**	**L6**	**3.40 x 4.13**		
225 3687cc (3.7) Cast Crankshaft	**E**	**L6**	**3.40 x 4.13**		
225 3687cc (3.7) Cast Crankshaft	**F**	**L6**	**3.40 x 4.13**		
225 3687cc (3.7) Cast Crankshaft	**G**	**L6**	**3.40 x 4.13**		
225 3687cc (3.7) Cast Crankshaft	**H**	**L6**	**3.40 x 4.13**		
225 3687cc (3.7) Cast Crankshaft	**J**	**L6**	**3.40 x 4.13**		
225 3687cc (3.7) Cast Crankshaft	**K**	**L6**	**3.40 x 4.13**		
225 3687cc (3.7) Cast Crankshaft	**L**	**L6**	**3.40 x 4.13**		
225 3687cc (3.7) Cast Crankshaft	**N**	**L6**	**3.40 x 4.13**		

Rod									
	55.537/2.1865 55.563/2.1875	58.738/2.3125 58.750/2.3130	1.584/0.0624	.018/.0007 .071/.0028	18.29/0.720	F780	12	1214 IH	**6B1214AL** Std. 10 20 30 40

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Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
19 (Cont'd.)									
	Main								
4M1419AL Std. 10 20 30 40	1,2,4	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.435/0.0959	.013/.0005 .066/.0026	22.44/0.883	F780	6	2724 U/L
	3 (Fl)	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.435/0.0959	.013/.0005 .066/.0026	28.14/1.108	F780	2	2725 U/L
	Overflange length remains constant for standards and undersizes.								
	Main - Alt set to 4M1419AL with +0.010" overflange length increase. * See below for dimensional information.								
4M2723P 40	3 (Fl)	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.435/0.0959	.013/.0005 .066/.0026	28.39/1.118	F780	2	2723 U/L
	1,2,4	69.837/2.7495 69.863/2.7505	74.740/2.9425 74.752/2.9430	2.435/0.0959	.013/.0005 .066/.0026	22.44/0.883	F780	6	2724 U/L
	To be discontinued when stock exhausted.								
	*** DIMENSIONAL INFORMATION FOR 4M2723P**								
		.040" u/s shaft		**Overall Width (Nominal)** 1.118"		**Increase in Width** +0.010"			
	Cam - engines from 1979-1983.								
4C1115S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.625/0.0640		19.94/0.785	F23	1	PD-21-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.625/0.0640		16.00/0.630	F23	1	PD-21-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.625/0.0640		16.00/0.630	F23	1	PD-21-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-13-4
	Cam - engines from 1976-1978.								
4C874S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		23.49/0.925	F23	1	PD-18-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.18/0.755	F23	1	PD-13-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-13-4
	Small End - semi finished - single pieces.								
RB2134Y Semi		25.009/0.9846 (Finish ID Bore Size)	26.378/1.0385 (Nominal)			30.48/1.200	F100	1	2134Y

20 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
273 (4.5)		**V8**	**3.63 x 3.31**	**Connecting Rod 45-50 ft.lbs/61-68 Nm**
273 (4.5)	**D**	**V8**	**3.63 x 3.31**	**Main Bearing 80-85 ft.lbs/108-115 Nm**
276		**V8**	**3.75 x 3.13**	
303 (5.0)		**V8**	**3.81 x 3.31**	
318 (5.2)		**V8**	**3.91 x 3.31**	
318 (5.2)	**F**	**V8**	**3.91 x 3.31**	
318 (5.2)	**G**	**V8**	**3.91 x 3.31**	

	Rod								
8B481P Std. 01 10 20 30 40		53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.005/.0002 .069/.0027	21.52/0.847	F780	16	2700 IH
	Rod - .002" oversize OD version of 8B481P.								
8B481PO/S2 10 20 30 40		53.950/2.1240 53.975/2.1250	57.201/2.2520 57.214/2.2525	1.737/0.0684 (@ .010" u/s)	.006/.0002 .070/.0028	21.52/0.847	F780	16	9090 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 20
Main - Alt set to 5M540P with +0.010" overflange length increase. * See below for dimensional information.									
1,2,4	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	22.27/0.877	F780	6	4352 U/L	**5M2036P** 20 30
3 (FI)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	29.51/1.162	F780	2	4355 U/L	
5	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	33.70/1.327	F780	2	4354 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 5M2036P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.162"	+0.010"
.030" u/s shaft	1.162"	+0.010"

Main - flange O.D. 3.375"									
1,2,4	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	22.27/0.877	F780	6	4352 U/L	**5M540P** Std. 10 20 30 40
3 (FI)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	29.26/1.152	F780	2	4353 U/L	
5	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	33.70/1.327	F780	2	4354 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1	**5C875S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.43/0.765	F23	1	PD-9-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.43/0.765	F23	1	PD-9-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.43/0.765	F23	1	PD-9-4	
5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5	
Small End - semi finished - single pieces.									
	25.009/0.9846 (Finish ID Bore Size)	26.378/1.0385 (Nominal)			30.48/1.200	F100	1	2134Y	**RB2134Y** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS **21**
318 (5.2)	**4**	**V8**	**3.91 x 3.31**	**Connecting Rod 45-50 ft.lbs/61-68 Nm**
318 (5.2)	**E**	**V8**	**3.91 x 3.31**	**Main Bearing 85-90 ft.lbs/115-122 Nm**
318 (5.2)	**G**	**V8**	**3.91 x 3.31**	
318 (5.2)	**H**	**V8**	**3.91 x 3.31**	
318 (5.2)	**K**	**V8**	**3.91 x 3.31**	
318 (5.2)	**L**	**V8**	**3.91 x 3.31**	
318 (5.2)	**M**	**V8**	**3.91 x 3.31**	
318 (5.2)	**N**	**V8**	**3.91 x 3.31**	
318 (5.2)	**P**	**V8**	**3.91 x 3.31**	
318 (5.2)	**R**	**V8**	**3.91 x 3.31**	
318 (5.2)	**S**	**V8**	**3.91 x 3.31**	
318 (5.2)	**T**	**V8**	**3.91 x 3.31**	
318 (5.2)	**U**	**V8**	**3.91 x 3.31**	
318 (5.2)	**Z**	**V8**	**3.91 x 3.31**	

Rod									
	53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.005/.0002 .069/.0027	21.52/0.847	F780	16	2700 IH	**8B481P** Std. 01 10 20 30 40
Rod - .002" oversize OD version of 8B481P.									
	53.950/2.1240 53.975/2.1250	57.201/2.2520 57.214/2.2525	1.737/0.0684 (@ .010" u/s)	.006/.0002 .070/.0028	21.52/0.847	F780	16	9090 IH	**8B481PO/S2** 10 20 30 40

PLYMOUTH

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
21 (Cont'd.)									
	Main - flange O.D. 3.530"								
5M1344P Std. 01 10 20 30 40	1,2,4	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	22.27/0.877	F780	6	4352 U/L
	3 (Fl)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.025/.0010 .089/.0035	29.26/1.152	F780	1	2703 U
	3 (Fl)	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.025/.0010 .089/.0035	29.26/1.152	F780	1	4357 L
	5	63.487/2.4995 63.513/2.5005	68.390/2.6925 68.402/2.6930	2.436/0.0959	.005/.0002 .069/.0027	33.70/1.327	F780	2	4354 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - engines from 1980-89.								
5C1112S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		16.00/0.630	F23	1	PD-25-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		15.75/0.620	F23	1	PD-25-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		15.75/0.620	F23	1	PD-25-4
	5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5
	Cam - engines from 1974-1979.								
5C875S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.43/0.765	F23	1	PD-9-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.43/0.765	F23	1	PD-9-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.43/0.765	F23	1	PD-9-4
	5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5
	Small End - semi finished, single pieces.								
RB2134Y Semi		25.009/0.9846 (Finish ID Bore Size)	26.378/1.0385 (Nominal)			30.48/1.200	F100	1	2134Y

22 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
340 (5.6)	**H**	**V8**	**4.04 x 3.31**	**Connecting Rod 45-50 ft.lbs/61-68 Nm**
340 (5.6)	**P**	**V8**	**4.04 x 3.31**	**Main Bearing 80-85 ft.lbs/108-115 Nm**

	Rod								
8B481P Std. 01 10 20 30 40		53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.005/.0002 .069/.0027	21.52/0.847	F780	16	2700 IH
	Rod - .002" oversize OD version of 8B481P.								
8B481PO/S2 10 20 30 40		53.950/2.1240 53.975/2.1250	57.201/2.2520 57.214/2.2525	1.737/0.0684 (@ .010" u/s)	.006/.0002 .070/.0028	21.52/0.847	F780	16	9090 IH
	Main - flange O.D. 3.375"								
5M963P Std. 10 20 30	1,2,4	63.487/2.4995 63.512/2.5005	68.389/2.6925 68.402/2.6930	2.436/0.0959	.013/.0005 .076/.0030	22.27/0.877	F780	6	MB2283P U/L
	3 (Fl)	63.487/2.4995 63.512/2.5005	68.389/2.6925 68.402/2.6930	2.436/0.0959	.013/.0005 .065/.0026	29.26/1.152	F780	2	MB2036P U/L
	5	63.487/2.4995 63.512/2.5005	68.389/2.6925 68.402/2.6930	2.436/0.0959	.013/.0005 .065/.0026	33.70/1.327	F780	2	MB2559P U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 22
Cam									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1	**5C875S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.43/0.765	F23	1	PD-9-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.43/0.765	F23	1	PD-9-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.43/0.765	F23	1	PD-9-4	
5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5	
Small End									
	25.009/0.9846 (Finish ID Bore Size)	26.378/1.0385 (Nominal)			30.48/1.200	F100	1	2134Y	**RB2134Y** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 23
350 (5.7)		**V8**	**4.06 x 3.38**	**Connecting Rod 45 ft.lbs/61 Nm**
361 (5.9)		**V8**	**4.12 x 3.38**	**Main Bearing 85 ft.lbs/115 Nm**
383 (6.3)		**V8**	**4.25 x 3.38**	
383 (6.3)	**G**	**V8**	**4.25 x 3.38**	
383 (6.3)	**H**	**V8**	**4.25 x 3.38**	
383 (6.3)	**L**	**V8**	**4.25 x 3.38**	
383 (6.3)	**N**	**V8**	**4.25 x 3.38**	
400 (6.6)	**J**	**V8**	**4.34 x 3.38**	
400 (6.6)	**M**	**V8**	**4.34 x 3.38**	
400 (6.6)	**N**	**V8**	**4.34 x 3.38**	
400 (6.6)	**P**	**V8**	**4.34 x 3.38**	

Rod									
	60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.582/0.0623	.011/.0004 .075/.0030	23.67/0.932	F780	16	2466 IH	**8B527P** Std. 10 20 30 40
Main - To be discontinued when stock exhausted.									
1,2,4,5	66.662/2.6245 66.688/2.6255	71.564/2.8175 71.557/2.8180	2.428/0.0956	.028/.0011 .091/.0036	24.10/0.949	F780	8	MB2065P U/L	**5M1348P** Std. 10
3 (FI)	66.662/2.6245 66.688/2.6255	71.564/2.8175 71.557/2.8180	2.428/0.0956	.028/.0011 .091/.0036	31.09/1.224	F780	2	MB2630P U/L	
Note : Some early 1974 400 engines have a smaller flanged bearing diameter of 3.450"/3.500" (use ACL Part No. 5M876P)									
Main - flange O.D. 3.450" for engines from 58-78.									
1,2,4,5	66.662/2.6245 66.688/2.6255	71.565/2.8175 71.577/2.8180	2.435/0.0959	.021/.0008 .085/.0033	24.10/0.949	F780	8	2467 U/L	**5M876P** Std. 10 20 30 40
3 (FI)	66.662/2.6245 66.688/2.6255	71.565/2.8175 71.577/2.8180	2.435/0.0959	.019/.0007 .083/.0033	31.09/1.224	F780	2	2468 U/L	
Cam									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		19.18/0.755	F23	1	PD-17-1	**5C876S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		17.12/0.674	F23	1	PD-12-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-12-4	
5	44.400/1.7480 44.425/1.7490	47.740/1.8795 47.765/1.8805	1.638/0.0645		19.18/0.755	F23	1	PD-12-5	

PLYMOUTH

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
24 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
360 (5.9)			**1 V8**	**4.00 x 3.58**		**Connecting Rod 45 ft.lbs/61 Nm**			
360 (5.9)			**F V8**	**4.00 x 3.58**		**Main Bearing 85 ft.lbs/115 Nm**			
360 (5.9)			**J V8**	**4.00 x 3.58**					
360 (5.9)			**K V8**	**4.00 x 3.58**					
360 (5.9)			**L V8**	**4.00 x 3.58**					
360 (5.9)			**T V8**	**4.00 x 3.58**					
360 (5.9)			**U V8**	**4.00 x 3.58**					
360 (5.9)			**W V8**	**4.00 x 3.58**					
	Rod								
8B481P Std. 01 10 20 30 40		53.950/2.1240 53.975/2.1250	57.150/2.2500 57.163/2.2505	1.585/0.0624	.005/.0002 .069/.0027	21.52/0.847	F780	16	2700 IH
	Rod - .002" oversize OD version of 8B481P.								
8B481PO/S2 10 20 30 40		53.950/2.1240 53.975/2.1250	57.201/2.2520 57.214/2.2525	1.737/0.0684 (@ .010" u/s)	.006/.0002 .070/.0028	21.52/0.847	F780	16	9090 IH
	Main - for engines 1971-73 (flange O.D. = 3.680").								
5M1051P Std. 10 20 30 40	1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	22.28/0.877	F780	6	2707 U/L
	3 (FI)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	29.26/1.152	F780	2	2708 U/L
	5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L
	Main - for engines 1974-83 (flange O.D. = 3.910")								
5M1266P Std. 01 10 20 30	1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	22.28/0.877	F780	6	2705 IH
	3 (FI)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	29.26/1.152	F780	2	2706 U/L
	5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.431/0.0957	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L
	Main - Alt set to 5M1266P with +0.010" overflange length increase. * See below for dimensional information.								
5M2715P 10 20 30 40	1,2,4	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.558/0.1007 (@ .010" u/s)	.015/.0006 .079/.0031	22.28/0.877	F780	6	2705 IH
	3 (FI)	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.558/0.1007 (@ .010" u/s)	.015/.0006 .079/.0031	29.52/1.162	F780	2	2715 U/L
	5	71.361/2.8095 71.387/2.8105	76.264/3.0025 76.276/3.0030	2.558/0.1007 (@ .010" u/s)	.015/.0006 .079/.0031	31.98/1.259	F780	2	2709 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M2715P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.162"	+0.010"
.020" u/s shaft	1.162"	+0.010"
.030" u/s shaft	1.162"	+0.010"
.040" u/s shaft	1.162"	+0.010"

	Cam - for engines from 1980-83.								
5C1112S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		16.00/0.630	F23	1	PD-25-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		15.75/0.620	F23	1	PD-25-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		15.75/0.620	F23	1	PD-25-4
	5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 24
Cam - for engines from 1971-79.									
1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		22.35/0.880	F23	1	PD-16-1	**5C875S** Std.
2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.43/0.765	F23	1	PD-9-2	
3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		19.43/0.765	F23	1	PD-9-3	
4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.43/0.765	F23	1	PD-9-4	
5	39.637/1.5605 39.662/1.5615	42.977/1.6920 43.002/1.6930	1.638/0.0645		24.00/0.945	F23	1	PD-9-5	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 25
383 (6.3)		**V8**	**4.03 x 3.75**	**Connecting Rod 45 ft.lbs/61 Nm**
426 (7.0) (Excl. Hemi)		**V8**	**4.25 x 3.75**	**Main Bearing 85 ft.lbs/115 Nm**
426 (7.0) (Excl. Hemi)	**J**	**V8**	**4.25 x 3.75**	
426 (7.0) (Excl. Hemi)	**R**	**V8**	**4.25 x 3.75**	
440 (7.2)		**V8**	**4.32 x 3.75**	
440 (7.2)	**D**	**V8**	**4.32 x 3.75**	
440 (7.2)	**K**	**V8**	**4.32 x 3.75**	
440 (7.2)	**L**	**V8**	**4.32 x 3.75**	
440 (7.2)	**T**	**V8**	**4.32 x 3.75**	
440 (7.2)	**U**	**V8**	**4.32 x 3.75**	
440 (7.2)	**V**	**V8**	**4.32 x 3.75**	

Rod									
	60.300/2.3740 60.325/2.3750	63.500/2.5000 63.513/2.5005	1.582/0.0623	.011/.0004 .075/.0030	23.67/0.932	F780	16	2466 IH	**8B527P** Std. 10 20 30 40
Main - for 1974-78 engines.									
1,2,4,5	69.837/2.7495 69.863/2.7505	74.739/2.9425 74.752/2.9430	2.428/0.0956	.028/.0011 .091/.0036	24.10/0.949	F780	8	MB2067P U/L	**5M1277P** Std. 10 20 30
3 (FI)	69.837/2.7495 69.863/2.7505	74.739/2.9425 74.752/2.9430	2.428/0.0956	.028/.0011 .091/.0036	31.09/1.224	F780	2	MB2625P U/L	

Some early 1974 440 engines have a smaller flange diameter of 3.555/3.675" (use ACL Part No. 5M877P)

Main - Alt set to 5M877P with +0.010" overflange length increase. * See below for dimensional information.									
1,2,4,5	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.682/0.1056 (@ .020" u/s)	.028/.0011 .091/.0036	24.10/0.949	F780	8	4362 U/L	**5M4366P** 20 30 40
3 (FI)	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.682/0.1056 (@ .020" u/s)	.028/.0011 .091/.0036	31.34/1.234	F780	2	4366 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M4366P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.234"	+0.010"
.030" u/s shaft	1.234"	+0.010"
.040" u/s shaft	1.234"	+0.010"

Main - flange O.D. 3.624" for 1960-73.									
1,2,4,5	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.430/0.0956	.028/.0011 .091/.0036	24.10/0.949	F780	8	4362 U/L	**5M877P** Std. 10 20 30 40
3 (FI)	69.837/2.7495 69.862/2.7505	74.740/2.9425 74.752/2.9430	2.430/0.0956	.028/.0011 .091/.0036	31.09/1.224	F780	2	4363 U/L	

Overflange length remains constant for standard and oversizes.

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
25 (Cont'd.)									
	Cam								
5C876S Std.	1	50.750/1.9980 50.775/1.9990	54.090/2.1295 54.115/2.1305	1.638/0.0645		19.18/0.755	F23	1	PD-17-1
	2	50.343/1.9820 50.368/1.9830	53.683/2.1135 53.708/2.1145	1.638/0.0645		19.18/0.755	F23	1	PD-12-2
	3	49.962/1.9670 49.987/1.9680	53.302/2.0985 53.327/2.0995	1.638/0.0645		17.12/0.674	F23	1	PD-12-3
	4	49.555/1.9510 49.581/1.9520	52.895/2.0825 52.921/2.0835	1.638/0.0645		19.18/0.755	F23	1	PD-12-4
	5	44.400/1.7480 44.425/1.7490	47.740/1.8795 47.765/1.8805	1.638/0.0645		19.18/0.755	F23	1	PD-12-5

PONTIAC ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
61 993cc (1.0)	Suzuki G10T, Turbo	2	L3	87-91	1
61 993cc (1.0)	Suzuki G10	5	L3	85-88	1
61 993cc (1.0)	Suzuki G10	6	L3	89-99	1
61 993cc (1.0)	Suzuki G10	M	L3	85-85	1
79 1295cc (1.3)	G13BA	2	L4	98-99	2
79 1295cc (1.3)	G13BA	9	L4	95-98	2
85 1393cc (1.4)	Chevrolet Eng.	I	L4	76-77	3
92 1471cc (1.5)	Isuzu 4XC1	7	L4	86-88	4
92 1471cc (1.5)	Isuzu 4XC1T, Turbo	9	L4	87-88	4
92 1471cc (1.5)	Isuzu 4XC1	K	L4	85-85	4
98 1588cc (1.6)	OHC	6	L4	88-93	5
98 1588cc (1.6)	Suzuki G16KV	6	L4	95-97	6
98 1588cc (1.6)	Suzuki G16KV	U	L4	94-94	6
98 (1.6)	Chevrolet Eng.	9	L4	81-81	3
98 (1.6)	Chevrolet Eng.	C	L4	82-87	3
98 1606cc (1.6)	Chevrolet Eng.	0	L4	79-80	3
98 1606cc (1.6)	Chevrolet Eng.	9	L4	80-82	3
98 1606cc (1.6)	Chevrolet Eng.	C	L4	82-87	3
98 1606cc (1.6)	Chevrolet Eng.	E	L4	76-80	3
1794cc (1.8)	16V DOHC (1ZZFE)	8	L4	03-06	10
1795cc (1.8)	16V DOHC (2ZZGE)	L	L4	03-06	11
110 1819cc (1.8)	Isuzu 4FB1,Diesel	D	L4	81-86	9
112 (1.8)	OHC	0	L4	82-86	8
112 (1.8)	OHV Chevrolet Eng.	G	L4	82-82	7
112 (1.8)	OHC, Turbo	J	L4	84-86	8
122 (2.0)	OHV Chevrolet Eng.	1	L4	87-89	12
122 (2.0)	OHV Chevrolet Eng.	B	L4	83-84	12
122 (2.0)	OHC	H	L4	92-94	8
122 (2.0)	OHC	K	L4	87-91	8
122 (2.0)	OHC, Turbo	M	L4	87-90	8
122 (2.0)	OHV Chevrolet Eng.	P	L4	83-86	12
134 (2.2)	OHV Chevrolet Eng.	4	L4	95-02	14
134 (2.2)	OHV Chevrolet Eng.	G	L4	90-91	14
134 2198cc (2.2)	Ecotec (L61)	F	L4	02-05	13
138 (2.3)	SOHC (Quad 4)	3	L4	92-94	15
138 (2.3)	DOHC (Quad 4)	D	L4	88-95	15
140 (2.3)	DOHC (Quad 4 - H.O.)	A	L4	89-94	15
140 (2.3)	SOHC Chevrolet Eng.	A	L4	75-76	16
140 (2.3)	SOHC Chevrolet Eng.	B	L4	75-77	16
146 (2.4)	DOHC (Quad 4)	T	L4	96-02	17
151 2474cc (2.5)		1	L4	78-79	18
151 2474cc (2.5)		2	L4	82-86	18
151 2474cc (2.5)		5	L4	80-83	18
151 2474cc (2.5)		9	L4	79-79	18
151 2474cc (2.5)		F	L4	82-83	18
151 2474cc (2.5)		R	L4	82-91	18
151 2474cc (2.5)		U	L4	85-91	19
151 2474cc (2.5)		V	L4	77-80	18
173 (2.8)	Chevrolet Eng.	1	V6	82-84	20
173 (2.8)	Chevrolet Eng.	7	V6	80-80	20
173 (2.8)	Chevrolet Eng.	9	V6	85-88	20
173 (2.8)	Chevrolet Eng.	L	V6	83-84	20
173 (2.8)	Chevrolet Eng.	S	V6	85-89	20
173 (2.8)	Chevrolet Eng.	W	V6	85-89	20
173 (2.8)	Chevrolet Eng.	X	V6	81-86	20
173 (2.8)	Chevrolet Eng.	Z	V6	82-84	20
181 (3.0)	Buick Eng.	L	V6	85-87	21
189 (3.1)	Chevrolet Eng.	D	V6	90-95	22
189 (3.1)	Chevrolet Eng.	J	V6	00-03	22
189 (3.1)	Chevrolet Eng.	M	V6	94-99	22
189 (3.1)	Chevrolet Eng.	T	V6	88-94	22
189 (3.1)	Chevrolet Eng., Turbo	V	V6	89-90	22
200 (3.3)	Chevrolet Eng.	M	V6	78-79	23
204 (3.3)	Buick Eng.	N	V6	92-93	24
207 (3.4)	OHV	E	V6	96-05	25
207 (3.4)	OHV	S	V6	93-95	25
207 (3.4)	DOHC	X	V6	91-96	25
215 (3.5)			L6	64-65	26
229 (3.8)	Chevrolet Eng.	9	V6	83-83	23
229 (3.8)	Chevrolet Eng.	K	V6	80-81	23
230 (3.8)			L6	66-67	26
231 (3.8)	3800 Series II (Buick Eng.), Supercharged	1	V6	96-03	28
231 (3.8)	3800 TPI (Buick Eng.), Supercharged	1	V6	92-95	28
231 (3.8)	Buick Eng.	2	V6	79-79	21
231 (3.8)	Buick Eng.	3	V6	87-88	21
231 (3.8)	Buick Eng., Turbo	7	V6	89-89	21
231 (3.8)	Buick Eng.	A	V6	77-87	21
231 (3.8)	3800 MFI/TPI (Buick Eng.)	C	V6	88-91	28
231 (3.8)	Odd Fire (Buick Eng.)	C	V6	76-77	27
231 (3.8)	3800 Series II (Buick Eng.)	K	V6	95-05	28
231 (3.8)	3800 MFI/TPI (Buick Eng.)	L	V6	92-95	28
250 (4.1)	Chevrolet Eng.		L6	68-69	29
250 (4.1)	Chevrolet Eng.		L6	70-71	29
250 (4.1)	Chevrolet Eng.	D	L6	72-79	29
252 (4.1)	Buick Eng.	4	V6	82-82	21
260 (4.3)	Oldsmobile Eng.,Diesel	T	V6	82-85	30
260 (4.3)	Oldsmobile Eng.	F	V8	75-76	31
262 (4.3)	Chevrolet Eng.	Z	V6	85-87	32
265 (4.3)		S	V8	80-81	33
267 (4.4)	Chevrolet Eng.	J	V8	79-82	34
301 (4.9)	Turbo	T	V8	80-81	33
301 (4.9)		W	V8	78-81	33
301 (4.9)		Y	V8	77-79	33
305 (5.0)	Chevrolet Eng.	7	V8	82-83	34
305 (5.0)	Chevrolet Eng.	E	V8	88-92	34
305 (5.0)	Chevrolet Eng.	F	V8	85-92	34
305 (5.0)	Chevrolet Eng.	G	V8	79-86	34
305 (5.0)	Chevrolet Eng.	H	V8	79-87	34
305 (5.0)	Chevrolet Eng.	Q	V8	76-76	34
305 (5.0)	Chevrolet Eng.	S	V8	83-83	34
305 (5.0)	Chevrolet Eng.	U	V8	77-78	34
307 (5.0)	Chevrolet Eng.	CA	V8	71-71	34
307 (5.0)	Chevrolet Eng.	F	V8	72-72	34
307 (5.0)	Oldsmobile Eng.	Y	V8	81-89	31
325 5328cc (5.3)	Chevrolet Eng.	C	V8	05-06	35
326 (5.3)			V8	63-67	36
350 (5.7)			V8	68-71	36
350 (5.7)	Chevrolet Eng.		V8	04-04	35
350 (5.7)	Chevrolet Eng.	6	V8	85-85	34
350 (5.7)	Chevrolet Eng.	8	V8	87-92	34
350 (5.7)		A	V8	74-74	36
350 (5.7)		B	V8	74-74	36
350 (5.7)		E	V8	75-75	36
350 (5.7)	Chevrolet Eng.	G	V8	98-02	35
350 (5.7)	Buick Eng.	H	V8	75-76	38
350 (5.7)	Buick Eng.	J	V8	75-76	38
350 (5.7)	Chevrolet Eng.	L	V8	76-79	34
350 (5.7)		M	V8	72-76	36
350 (5.7)	Diesel	N	V8	80-85	37
350 (5.7)		N	V8	72-74	36
350 (5.7)		P	V8	76-77	36
350 (5.7)	Chevrolet Eng.	P	V8	93-97	34
350 (5.7)	Oldsmobile Eng.	R	V8	77-80	31
350 (5.7)	Chevrolet Eng.	V	V8	76-76	34
350 (5.7)	Buick Eng.	X	V8	78-80	38
364 (6.0)	Chevrolet Eng.	U	V8	05-06	35
400 (6.6)			V8	67-71	36
400 (6.6)		N	V8	76-76	36
400 (6.6)		P	V8	72-74	36
400 (6.6)		R	V8	72-75	36
400 (6.6)		S	V8	72-76	36
400 (6.6)		T	V8	72-74	36
400 (6.6)		X	V8	67-67	36
400 (6.6)		Y	V8	67-67	36
400 (6.6)		Z	V8	76-79	36
403 (6.6)	Oldsmobile Eng.	K	V8	77-79	31
421 (6.9)			V8	63-66	39
428 (7.0)			V8	67-69	39
455 (7.5)			V8	70-71	39
455 (7.5)		U	V8	72-72	39
455 (7.5)		W	V8	72-76	39
455 (7.5)		X	V8	72-74	39
455 (7.5)		Y	V8	72-74	39

PONTIAC MODEL INDEX

Model	CID	cc	Liter	Description	Years
	455		7.5		73
6000	151	2474	2.5		82-89

PONTIAC MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
6000	173		2.8	Chevrolet Eng.	82-88
	260		4.3	Oldsmobile Eng.	82-85
6000 - LE	151	2474	2.5		82-91
	173		2.8	Chevrolet Eng.	82-89
	189		3.1	Chevrolet Eng.	90-91
	260		4.3	Oldsmobile Eng.	82-85
6000 - SE	173		2.8	Chevrolet Eng.	86-89
	189		3.1	Chevrolet Eng.	90-91
6000 - STE	173		2.8	Chevrolet Eng.	83-88
	189		3.1	Chevrolet Eng.	88-89
ACADIAN	85	1393	1.4	Chevrolet Eng.	76-77
	98	1606	1.6	Chevrolet Eng.	76-87
	110	1819	1.8	Isuzu 4FB1	81-86
ACADIAN - S	98	1606	1.6	Chevrolet Eng.	80-86
	110	1819	1.8	Isuzu 4FB1	86
ASTRE	140		2.3	SOHC Chevrolet Eng.	75-77
	151	2474	2.5		77
ASTRE - S	140		2.3	SOHC Chevrolet Eng.	75
ASTRE - S SAFARI	140		2.3	SOHC Chevrolet Eng.	75
ASTRE - SAFARI	140		2.3	SOHC Chevrolet Eng.	75-77
	151	2474	2.5		77
ASTRE - SJ	140		2.3	SOHC Chevrolet Eng.	75
ASTRE - SJ SAFARI	140		2.3	SOHC Chevrolet Eng.	75
AZTEK	207		3.4	OHV	01-05
AZTEK - GT	207		3.4	OHV	01
AZTEK - RALLY	207		3.4	OHV	04
BONNEVILLE	231		3.8	3800 Series II (Buick Eng.)	99-03
	231		3.8	Buick Eng.	80-87
	252		4.1	Buick Eng.	82
	262		4.3	Chevrolet Eng.	86
	265		4.3		80-81
	301		4.9		77-80
	305		5.0	Chevrolet Eng.	83-86
	307		5.0	Oldsmobile Eng.	81
	350		5.7		70-84
	350		5.7	Buick Eng.	78-79
	350		5.7	Oldsmobile Eng.	77-80
	400		6.6		68-78
	403		6.6	Oldsmobile Eng.	77-79
	421		6.9		63-66
	428		7.0		67-69
	455		7.5		70-76
BONNEVILLE - BROUGHAM	231		3.8	Buick Eng.	81-86
	252		4.1	Buick Eng.	82
	262		4.3	Chevrolet Eng.	86
	265		4.3		80-81
	301		4.9		77-80
	305		5.0	Chevrolet Eng.	83-86
	307		5.0	Oldsmobile Eng.	81
	350		5.7		77-84
	350		5.7	Buick Eng.	78-80
	350		5.7	Oldsmobile Eng.	77-80
	400		6.6		76-78
	403		6.6	Oldsmobile Eng.	77-79
	455		7.5		76
BONNEVILLE - LE	231		3.8	3800 MFI/TPI (Buick Eng.)	88-91
	231		3.8	Buick Eng.	84-88
	262		4.3	Chevrolet Eng.	86
	305		5.0	Chevrolet Eng.	84-86
	350		5.7		84
BONNEVILLE - SAFARI	301		4.9		79-80
	307		5.0	Oldsmobile Eng.	81
	350		5.7		80-81
	350		5.7	Buick Eng.	79-80
	350		5.7	Oldsmobile Eng.	79-80
	403		6.6	Oldsmobile Eng.	79
BONNEVILLE - SE	231		3.8	3800 MFI/TPI (Buick Eng.)	88-94
	231		3.8	3800 Series II (Buick Eng.)	95-05
BONNEVILLE - SLE	231		3.8	3800 Series II (Buick Eng.)	04-05
BONNEVILLE - SSE	231		3.8	3800 MFI/TPI (Buick Eng.)	88-91
	231		3.8	3800 Series II (Buick Eng.)	96-98
	231		3.8	3800 TPI (Buick Eng.)	92-95
BONNEVILLE - SSEI	231		3.8	3800 TPI (Buick Eng.)	92-93
CATALINA	250		4.1	Chevrolet Eng.	77-79
	229		3.8	Chevrolet Eng.	80
	231		3.8	Buick Eng.	77-81
	231		3.8	Odd Fire (Buick Eng.)	77
	265		4.3		80-81
	267		4.4	Chevrolet Eng.	80-81
	301		4.9		77-80
	305		5.0	Chevrolet Eng.	80-81
	307		5.0	Oldsmobile Eng.	81
	350		5.7		70-81
	350		5.7	Buick Eng.	78-79
	350		5.7	Oldsmobile Eng.	77-80
	400		6.6		67-78
	403		6.6	Oldsmobile Eng.	77-78
	421		6.9		63-66
	428		7.0		67-69
	455		7.5		70-76
CATALINA - BROUGHAM	400		6.6		71-72
	455		7.5		72
CATALINA - SAFARI	267		4.4	Chevrolet Eng.	80-81
	301		4.9		77-80
	305		5.0	Chevrolet Eng.	80-81
	307		5.0	Oldsmobile Eng.	81
	350		5.7		72-81
	350		5.7	Buick Eng.	78-80
	350		5.7	Oldsmobile Eng.	77-80
	400		6.6		71-78
	403		6.6	Oldsmobile Eng.	77-79
	455		7.5		71-76
CATALINA - VENTURA	350		5.7		70
	400		6.6		68-70
	428		7.0		68-69
	455		7.5		70
EXECUTIVE	350		5.7		70
	400		6.6		67-70
	428		7.0		67-69
	455		7.5		70
EXECUTIVE - SAFARI	350		5.7		70
	400		6.6		68-70
	428		7.0		68-69
	455		7.5		70
FIERO	151	2474	2.5		84-88
	173		2.8	Chevrolet Eng.	88
FIERO - GT	173		2.8	Chevrolet Eng.	85-88
FIERO - SE	151	2474	2.5		84-87
	173		2.8	Chevrolet Eng.	85-87
FIERO - SPORT	151	2474	2.5		84-87
	173		2.8	Chevrolet Eng.	85
FIREBIRD	151	2474	2.5		82-86
	230		3.8		67
	250		4.1	Chevrolet Eng.	68-76
	173		2.8	Chevrolet Eng.	82-89
	189		3.1	Chevrolet Eng.	90-92
	207		3.4	OHV	93-95
	231		3.8	3800 Series II (Buick Eng.)	95-02
	231		3.8	Buick Eng.	78-81
	231		3.8	Odd Fire (Buick Eng.)	77
	265		4.3		80-81
	267		4.4	Chevrolet Eng.	81
	301		4.9		77-81
	305		5.0	Chevrolet Eng.	77-92
	326		5.3		67
	350		5.7		68-77
	350		5.7	Chevrolet Eng.	78-88
	350		5.7	Oldsmobile Eng.	77

PONTIAC MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
FIREBIRD	400		6.6		67-77
	403		6.6	Oldsmobile Eng.	77
FIREBIRD - ESPRIT	250		4.1	Chevrolet Eng.	75-76
	231		3.8	Buick Eng.	78-81
	231		3.8	Odd Fire (Buick Eng.)	77
	265		4.3		80-81
	267		4.4	Chevrolet Eng.	81
	301		4.9		77-81
	305		5.0	Chevrolet Eng.	77-80
	350		5.7		70-77
	350		5.7	Chevrolet Eng.	78-79
	350		5.7	Oldsmobile Eng.	77
	400		6.6		70-76
	455		7.5		71
FIREBIRD - FIREHAWK	350		5.7	Chevrolet Eng.	98
FIREBIRD - FORMULA	231		3.8	Buick Eng.	81
	265		4.3		81
	267		4.4	Chevrolet Eng.	81
	301		4.9		77-81
	305		5.0	Chevrolet Eng.	77-92
	350		5.7		72-77
	350		5.7	Chevrolet Eng.	78-02
	350		5.7	Oldsmobile Eng.	77
	400		6.6		70-79
	403		6.6	Oldsmobile Eng.	77-79
	455		7.5		71-74
FIREBIRD - S/E	151	2474	2.5		82-84
	173		2.8	Chevrolet Eng.	82-86
	305		5.0	Chevrolet Eng.	82-86
FIREBIRD - TRANS AM	231		3.8	Buick Eng.	89
	267		4.4	Chevrolet Eng.	81
	301		4.9		79-81
	305		5.0	Chevrolet Eng.	80-92
	350		5.7		70-75
	350		5.7	Chevrolet Eng.	87-02
	400		6.6		70-79
	403		6.6	Oldsmobile Eng.	77-79
	455		7.5		71-76
FIREBIRD - TRANS AM GT	350		5.7	Chevrolet Eng.	94
FIREBIRD - TRANS AM GTA	305		5.0	Chevrolet Eng.	89-92
	350		5.7	Chevrolet Eng.	89-92
FIREBIRD - TRANS AM GTA SE	231		3.8	Buick Eng.	89
FIREFLY	61	993	1.0	Suzuki G10	85-99
	61	993	1.0	Suzuki G10T	87-91
	79	1295	1.3	G13BA	95-99
FIREFLY - FE	61	993	1.0	Suzuki G10	86
FIREFLY - LE	61	993	1.0	Suzuki G10	91
GRAND AM	134	2198	2.2	Ecotec	02-04
	138		2.3	DOHC (Quad 4)	88
	146		2.4	DOHC (Quad 4)	99-01
	151	2474	2.5		85-91
	181		3.0	Buick Eng.	85-87
	207		3.4	OHV	99-04
	231		3.8	Buick Eng.	79
	301		4.9		78-80
	305		5.0	Chevrolet Eng.	78-80
	350		5.7		73
	350		5.7	Buick Eng.	75
	400		6.6		73-75
	455		7.5		73-75
GRAND AM - GT	138		2.3	DOHC (Quad 4)	92-95
	140		2.3	DOHC (Quad 4 - H.O.)	92-94
	146		2.4	DOHC (Quad 4)	96-98
	189		3.1	Chevrolet Eng.	94-98
	204		3.3	Buick Eng.	92-93
	207		3.4	OHV	05
GRAND AM - GT1	207		3.4	OHV	05
GRAND AM - LE	122		2.0	OHC	87-88
	138		2.3	DOHC (Quad 4)	88-91
	140		2.3	DOHC (Quad 4 - H.O.)	91
	151	2474	2.5		85-91
	181		3.0	Buick Eng.	85-87
GRAND AM - SE	122		2.0	OHC	87-89
	134	2198	2.2	Ecotec	05
	138		2.3	DOHC (Quad 4)	88-95
	138		2.3	SOHC (Quad 4)	92-94
	140		2.3	DOHC (Quad 4 - H.O.)	89-91
	146		2.4	DOHC (Quad 4)	96-98
	151	2474	2.5		87
	181		3.0	Buick Eng.	86-87
	189		3.1	Chevrolet Eng.	94-98
	204		3.3	Buick Eng.	92-93
	207		3.4	OHV	05
GRAND LEMANS	250		4.1	Chevrolet Eng.	75-76
	229		3.8	Chevrolet Eng.	80-81
	231		3.8	Buick Eng.	78-83
	231		3.8	Odd Fire (Buick Eng.)	77
	252		4.1	Buick Eng.	82
	260		4.3	Oldsmobile Eng.	76
	265		4.3		80-81
	267		4.4	Chevrolet Eng.	80-82
	301		4.9		77-80
	305		5.0	Chevrolet Eng.	77-83
	350		5.7		75-83
	350		5.7	Buick Eng.	75
	350		5.7	Oldsmobile Eng.	77
	400		6.6		75-77
	403		6.6	Oldsmobile Eng.	77
	455		7.5		75-76
GRAND LEMANS - BR	231		3.8	Buick Eng.	82-83
	267		4.4	Chevrolet Eng.	82
	305		5.0	Chevrolet Eng.	76-83
GRAND LEMANS - LE	250		4.1	Chevrolet Eng.	77
	200		3.3	Chevrolet Eng.	78-79
	229		3.8	Chevrolet Eng.	81
	267		4.4	Chevrolet Eng.	79-81
	305		5.0	Chevrolet Eng.	81
	350		5.7	Chevrolet Eng.	76-77
GRAND LEMANS - SA	267		4.4	Chevrolet Eng.	81
	305		5.0	Chevrolet Eng.	78-81
	350		5.7	Chevrolet Eng.	78
GRAND LEMANS - SAFARI	229		3.8	Chevrolet Eng.	80
	231		3.8	Buick Eng.	78-81
	265		4.3		80-81
	301		4.9		77-81
	305		5.0	Chevrolet Eng.	78-80
	350		5.7	Chevrolet Eng.	78-79
	350		5.7	Oldsmobile Eng.	77
	400		6.6		75-77
	403		6.6	Oldsmobile Eng.	77
GRAND PRIX	173		2.8	Chevrolet Eng.	88-89
	189		3.1	Chevrolet Eng.	89-03
	207		3.4	DOHC	92-93
	231		3.8	3800 Series II (Buick Eng.)	98-03
	231		3.8	Buick Eng.	78-87
	252		4.1	Buick Eng.	82
	262		4.3	Chevrolet Eng.	86-87
	265		4.3		80-81
	267		4.4	Chevrolet Eng.	81-82
	301		4.9		77-80
	305		5.0	Chevrolet Eng.	78-87
	350		5.7		76-84
	350		5.7	Oldsmobile Eng.	77
	400		6.6		68-77
	403		6.6	Oldsmobile Eng.	77
	421		6.9		63-66
	428		7.0		67-69
	455		7.5		70-76
GRAND PRIX - BROUGHAM	231		3.8	Buick Eng.	81-87
	252		4.1	Buick Eng.	82
	262		4.3	Chevrolet Eng.	86-87
	265		4.3		81
	267		4.4	Chevrolet Eng.	81-82
	305		5.0	Chevrolet Eng.	83-87
	350		5.7		81-84
GRAND PRIX - GT	189		3.1	Chevrolet Eng.	91-93

ACL Engine Bearings

PONTIAC MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
GRAND PRIX - GT	207		3.4	DOHC	91-96
	231		3.8	3800 Series II (Buick Eng.)	97-98
GRAND PRIX - GTP	207		3.4	DOHC	95-96
	231		3.8	3800 Series II (Buick Eng.)	97-98
GRAND PRIX - GXP	325	5328	5.3	Chevrolet Eng.	05-06
GRAND PRIX - LE	138		2.3	DOHC (Quad 4)	90-91
	173		2.8	Chevrolet Eng.	88-89
	189		3.1	Chevrolet Eng.	89-93
	207		3.4	DOHC	92-93
	231		3.8	Buick Eng.	84-87
	262		4.3	Chevrolet Eng.	86-87
	305		5.0	Chevrolet Eng.	84-87
	350		5.7		84
GRAND PRIX - LJ	231		3.8	Buick Eng.	79-83
	252		4.1	Buick Eng.	82
	265		4.3		80-81
	267		4.4	Chevrolet Eng.	81-82
	301		4.9		77-80
	305		5.0	Chevrolet Eng.	78-83
	350		5.7		77-83
	350		5.7	Oldsmobile Eng.	77
	400		6.6		77
	403		6.6	Oldsmobile Eng.	77
GRAND PRIX - MCLAREN	189		3.1	Chevrolet Eng.	90
GRAND PRIX - SE	138		2.3	DOHC (Quad 4)	91
	173		2.8	Chevrolet Eng.	88-89
	189		3.1	Chevrolet Eng.	89-98
	207		3.4	DOHC	91-94
	231		3.8	3800 Series II (Buick Eng.)	97
GRAND PRIX - SJ	231		3.8	Buick Eng.	79
	301		4.9		78-80
	305		5.0	Chevrolet Eng.	78-80
	400		6.6		77
	403		6.6	Oldsmobile Eng.	77
GRAND PRIX - STE	189		3.1	Chevrolet Eng.	90-93
	207		3.4	DOHC	91-93
GRAND SAFARI	301		4.9		77
	350		5.7	Oldsmobile Eng.	77
	400		6.6		71-78
	403		6.6	Oldsmobile Eng.	77-78
	455		7.5		71-76
GRANDVILLE	400		6.6		71-73
	455		7.5		71-74
GRANDVILLE - BROUGHAM	400		6.6		75
	455		7.5		75
GTO	215		3.5		64
	326		5.3		64-66
	350		5.7		70
	350		5.7	Chevrolet Eng.	04
	364		6.0	Chevrolet Eng.	05-06
	400		6.6		67-71
	455		7.5		70-71
J2000	112		1.8	OHC	82-83
	112		1.8	OHV Chevrolet Eng.	82
	122		2.0	OHV Chevrolet Eng.	83-84
J2000 - SUNBIRD	112		1.8	OHC	84
	122		2.0	OHV Chevrolet Eng.	84
J2000 - SUNBIRD LE	112		1.8	OHC	84
	122		2.0	OHV Chevrolet Eng.	84
J2000 - SUNBIRD SE	112		1.8	OHC	84
LAURENTIAN	250		4.1	Chevrolet Eng.	77-79
	229		3.8	Chevrolet Eng.	80
	231		3.8	Buick Eng.	81
	265		4.3		81
	267		4.4	Chevrolet Eng.	80-81
	305		5.0	Chevrolet Eng.	77-81
	307		5.0	Oldsmobile Eng.	81
	350		5.7		77-81
	350		5.7	Buick Eng.	80
	350		5.7	Chevrolet Eng.	76-79
	400		6.6		76
	455		7.5		76
LAURENTIAN - SAFARI	267		4.4	Chevrolet Eng.	80-81
LAURENTIAN - SAFARI	305		5.0	Chevrolet Eng.	80-81
LEMANS	98	1588	1.6	OHC	88-92
	122		2.0	OHC	89
	215		3.5		64-65
	230		3.8		66-67
	250		4.1	Chevrolet Eng.	68-77
	200		3.3	Chevrolet Eng.	78-79
	229		3.8	Chevrolet Eng.	80-81
	231		3.8	Buick Eng.	78-81
	231		3.8	Odd Fire (Buick Eng.)	77
	260		4.3	Oldsmobile Eng.	76
	265		4.3		80-81
	267		4.4	Chevrolet Eng.	79-81
	301		4.9		77-80
	305		5.0	Chevrolet Eng.	76-81
	326		5.3		63-67
	350		5.7		68-77
	350		5.7	Buick Eng.	75
	350		5.7	Chevrolet Eng.	76-77
	350		5.7	Oldsmobile Eng.	77
	400		6.6		68-77
	403		6.6	Oldsmobile Eng.	77
	428		7.0		68-69
	455		7.5		70-76
LEMANS - AEROCOUPE	98	1588	1.6	OHC	88
LEMANS - AEROCOUPE YL	98	1588	1.6	OHC	88-89
	122		2.0	OHC	89
LEMANS - GSE	122		2.0	OHC	89-90
LEMANS - LE	98	1588	1.6	OHC	90-91
LEMANS - LE AEROCOUPE	98	1588	1.6	OHC	90-91
LEMANS - SAFARI	250		4.1	Chevrolet Eng.	69-73
	200		3.3	Chevrolet Eng.	79
	229		3.8	Chevrolet Eng.	80
	231		3.8	Buick Eng.	78-81
	265		4.3		80-81
	267		4.4	Chevrolet Eng.	79-81
	301		4.9		77-81
	305		5.0	Chevrolet Eng.	78-81
	350		5.7		69-76
	350		5.7	Chevrolet Eng.	78-79
	350		5.7	Oldsmobile Eng.	77
	400		6.6		69-77
	403		6.6	Oldsmobile Eng.	77
	428		7.0		69
	455		7.5		73-76
LEMANS - SE	98	1588	1.6	OHC	88-93
	122		2.0	OHC	89
LEMANS - SPORT	250		4.1	Chevrolet Eng.	70-76
	231		3.8	Odd Fire (Buick Eng.)	77
	260		4.3	Oldsmobile Eng.	76
	301		4.9		77
	305		5.0	Chevrolet Eng.	77
	350		5.7		70-77
	350		5.7	Buick Eng.	75
	350		5.7	Oldsmobile Eng.	77
	400		6.6		70-77
	403		6.6	Oldsmobile Eng.	77
	455		7.5		70-76
LEMANS - SPORT COUPE	250		4.1	Chevrolet Eng.	77
	305		5.0	Chevrolet Eng.	76
	350		5.7	Chevrolet Eng.	76-77
LEMANS - T37	250		4.1	Chevrolet Eng.	71
	350		5.7		71
LEMANS - VALUE LEADER	98	1588	1.6	OHC	90-93
MONTANA	207		3.4	OHV	99-05
OPTIMA	122		2.0	OHC	88-90
PARISIENNE	250		4.1	Chevrolet Eng.	77-79
	229		3.8	Chevrolet Eng.	80
	231		3.8	Buick Eng.	81-85
	262		4.3	Chevrolet Eng.	85-86
	265		4.3		81

PONTIAC MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
PARISIENNE	267		4.4	Chevrolet Eng.	80-82
	305		5.0	Chevrolet Eng.	77-86
	307		5.0	Oldsmobile Eng.	81-86
	350		5.7		77-85
	350		5.7	Buick Eng.	80
	350		5.7	Chevrolet Eng.	76-85
	400		6.6		76
	455		7.5		76
PARISIENNE - BROUGHAM	229		3.8	Chevrolet Eng.	83
	231		3.8	Buick Eng.	82-85
	262		4.3	Chevrolet Eng.	85-86
	267		4.4	Chevrolet Eng.	82
	305		5.0	Chevrolet Eng.	82-86
	307		5.0	Oldsmobile Eng.	86
	350		5.7		82-85
	350		5.7	Chevrolet Eng.	85
PARISIENNE - SAFARI	267		4.4	Chevrolet Eng.	81-82
	305		5.0	Chevrolet Eng.	80-82
	350		5.7		80-81
	350		5.7	Buick Eng.	80
PHOENIX	151	2474	2.5		77-84
	173		2.8	Chevrolet Eng.	80-84
	231		3.8	Buick Eng.	78-79
	231		3.8	Odd Fire (Buick Eng.)	77
	305		5.0	Chevrolet Eng.	77-79
	350		5.7	Chevrolet Eng.	77-79
	350		5.7	Oldsmobile Eng.	77
PHOENIX - LE	151	2474	2.5		84
	173		2.8	Chevrolet Eng.	84
PHOENIX - LJ	151	2474	2.5		78-83
	173		2.8	Chevrolet Eng.	80-83
	231		3.8	Buick Eng.	78-79
	305		5.0	Chevrolet Eng.	78-79
	350		5.7	Chevrolet Eng.	78-79
PHOENIX - SE	173		2.8	Chevrolet Eng.	84
PHOENIX - SJ	173		2.8	Chevrolet Eng.	82-83
PURSUIT	134	2198	2.2	Ecotec	05
SAFARI	250		4.1	Chevrolet Eng.	68-70
	307		5.0	Oldsmobile Eng.	87-89
	350		5.7		68-70
	400		6.6		68-70
	421		6.9		63-65
STAR CHIEF	421		6.9		63-66
SUNBIRD	112		1.8	OHC	85-86
	122		2.0	OHC	87-91
	122		2.0	OHV Chevrolet Eng.	85-86
	140		2.3	SOHC Chevrolet Eng.	76-77
	151	2474	2.5		77-80
	189		3.1	Chevrolet Eng.	94
	231		3.8	Buick Eng.	77-80
	231		3.8	Odd Fire (Buick Eng.)	76-77
	305		5.0	Chevrolet Eng.	78-79
SUNBIRD - GT	112		1.8	OHC	86
	122		2.0	OHC	87-90
	189		3.1	Chevrolet Eng.	91-93
SUNBIRD - LE	112		1.8	OHC	85
	122		2.0	OHC	89-94
	122		2.0	OHV Chevrolet Eng.	85
	189		3.1	Chevrolet Eng.	91-94
SUNBIRD - SAFARI	151	2474	2.5		78-79
	231		3.8	Buick Eng.	78-79
SUNBIRD - SE	112		1.8	OHC	85-86
	122		2.0	OHC	87-93
	122		2.0	OHV Chevrolet Eng.	86
SUNBIRD - SE	189		3.1	Chevrolet Eng.	91-94
SUNBURST	92	1471	1.5	Isuzu 4XC1	85-88
	92	1471	1.5	Isuzu 4XC1T	87-88
SUNBURST - LE	92	1471	1.5	Isuzu 4XC1	85
SUNFIRE	134		2.2	OHV Chevrolet Eng.	98-02
	134	2198	2.2	Ecotec	02-05
	146		2.4	DOHC (Quad 4)	98-02
SUNFIRE - GT	134		2.2	OHV Chevrolet Eng.	95
	138		2.3	DOHC (Quad 4)	95
	146		2.4	DOHC (Quad 4)	96-97
SUNFIRE - SE	134		2.2	OHV Chevrolet Eng.	95-97
	138		2.3	DOHC (Quad 4)	95
	146		2.4	DOHC (Quad 4)	96-97
SUNRUNNER	98	1588	1.6	Suzuki G16KV	94-97
T1000	98		1.6	Chevrolet Eng.	81-87
TEMPEST	122		2.0	OHV Chevrolet Eng.	87-89
	134		2.2	OHV Chevrolet Eng.	90-91
	215		3.5		64-65
	230		3.8		66-67
	250		4.1	Chevrolet Eng.	68-70
	173		2.8	Chevrolet Eng.	87-89
	189		3.1	Chevrolet Eng.	90-91
	326		5.3		63-67
	350		5.7		68-70
	400		6.6		68-70
	428		7.0		69
TEMPEST - CUSTOM	250		4.1	Chevrolet Eng.	68-69
	350		5.7		68
	400		6.6		68
	428		7.0		69
TEMPEST - LE	134		2.2	OHV Chevrolet Eng.	91
	189		3.1	Chevrolet Eng.	91
TRANS SPORT	189		3.1	Chevrolet Eng.	90-95
	207		3.4	OHV	96-98
	231		3.8	3800 MFI/TPI (Buick Eng.)	92-95
TRANS SPORT - MONTANA	207		3.4	OHV	98
VENTURA	151	2474	2.5		77
	250		4.1	Chevrolet Eng.	71-76
	231		3.8	Odd Fire (Buick Eng.)	77
	260		4.3	Oldsmobile Eng.	75-76
	301		4.9		77
	305		5.0	Chevrolet Eng.	77
	307		5.0	Chevrolet Eng.	71-72
	350		5.7		72-75
	350		5.7	Buick Eng.	75-76
	350		5.7	Chevrolet Eng.	77
	350		5.7	Oldsmobile Eng.	77
VENTURA - CUSTOM	250		4.1	Chevrolet Eng.	73-75
	260		4.3	Oldsmobile Eng.	75
	350		5.7		73-75
	350		5.7	Buick Eng.	75
VENTURA - S	250		4.1	Chevrolet Eng.	75
	260		4.3	Oldsmobile Eng.	75
	350		5.7		75
VENTURA - SJ	250		4.1	Chevrolet Eng.	75-76
	231		3.8	Odd Fire (Buick Eng.)	77
	260		4.3	Oldsmobile Eng.	75-76
	301		4.9		77
	305		5.0	Chevrolet Eng.	77
	350		5.7	Buick Eng.	75-76
	350		5.7	Chevrolet Eng.	77
	350		5.7	Oldsmobile Eng.	77
VIBE		1794	1.8	16V DOHC	03-06
VIBE - GT		1795	1.8	16V DOHC	03-06

PONTIAC

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
61 993cc (1.0) Suzuki G10T Turbo			**2 L3**	**74mm x 77mm**		**Connecting Rod 24-27 ft.lbs/33-37 Nm**			
61 993cc (1.0) Suzuki G10			**5 L3**	**74mm x 77mm**		**Main Bearing 36-41 ft.lbs/49-56 Nm**			
61 993cc (1.0) Suzuki G10			**6 L3**	**74mm x 77mm**					
61 993cc (1.0) Suzuki G10			**M L3**	**74mm x 77mm**					
	Rod								
3B8336 Std. .25 .50 .75 1.0		41.983/1.6529 41.999/1.6535	44.998/1.7716 45.018/1.7724	1.490/0.0587	.020/.0008 .068/.0027	18.00/0.709	F780	6	8336 IH
	Main								
4M8337 Std. .25 .50 .75 1.0	1-4	44.983/1.7710 44.998/1.7716	48.998/1.9291 49.018/1.9298	2.000/0.0787	.020/.0008 .068/.0027	18.00/0.709	F780	8	8337 U/L
	Thrust								
1T8337 Std.		52.250/2.0571 (Nominal I.D.)	67.900/2.6732 (Nominal O.D.)			2.52/0.099	F250	2	8337T IH
Note: Set includes two pieces, use on No. 3 position. Required with 4M8337 main set.									
2 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
79 1295cc (1.3) G13BA			**2 L4**	**74mm x 77mm**		**Connecting Rod 24-27 ft.lbs/33-37 Nm**			
79 1295cc (1.3) G13BA			**9 L4**	**74mm x 77mm**		**Main Bearing 37-41 ft.lbs/50-56 Nm**			
	Rod								
4B8336 Std. .25 .50 .75 1.0		41.984/1.6529 41.999/1.6535	44.998/1.7716 45.018/1.7724	1.490/0.0587	.020/.0008 .068/.0027	18.00/0.709	F780	8	8336 IH
	Main								
5M8337 Std. .25 .50 .75 1.0	1-5	44.983/1.7710 44.998/1.7716	48.998/1.9291 49.018/1.9298	2.000/0.0787	.020/.0008 .068/.0027	18.00/0.709	F780	10	8337 U/L
	Thrust								
1T8337 Std.		52.250/2.0571 (Nominal I.D.)	67.900/2.6732 (Nominal O.D.)			2.52/0.099	F250	2	8337T IH
Note: Set includes two pieces, use on No. 4 position. Required with 5M8337 main set.									
3 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
85 1393cc (1.4) Chevrolet Eng.			**I L4**	**3.23 x 2.61**		**Connecting Rod 37 ft.lbs/50 Nm** (1976-77 engines only)			
98 (1.6) Chevrolet Eng.			**9 L4**	**3.23 x 2.98**					
98 (1.6) Chevrolet Eng.			**C L4**	**3.23 x 2.98**		**Connecting Rod 40 ft.lbs/54 Nm** (1978-87 engines only)			
98 1606cc (1.6) Chevrolet Eng.			**0 L4**	**3.23 x 2.98**					
98 1606cc (1.6) Chevrolet Eng.			**9 L4**	**3.23 x 2.98**		**Main Bearing 46 ft.lbs/63 Nm** (1976-77 engines only)			
98 1606cc (1.6) Chevrolet Eng.			**C L4**	**3.23 x 2.98**		**Main Bearing 50 ft.lbs/68 Nm** (1978-87 engines only)			
98 1606cc (1.6) Chevrolet Eng.			**E L4**	**3.23 x 2.98**					
	Rod								
4B1216P Std. 10 20 30		45.959/1.8094 45.984/1.8104	49.000/1.9291 49.012/1.9296	1.500/0.0591	.036/.0014 .089/.0035	19.05/0.750	F780	8	1216 IH
	Main								
5M1424P Std. 10 20 30	1,2,3,4	50.998/2.0078 51.024/2.0088	54.986/2.1648 55.011/2.1658	1.970/0.0777	.023/.0009 .089/.0035	17.98/0.708	F780	8	MB2737AL IH
	5 (FI)	50.988/2.0074 51.013/2.0084	54.986/2.1648 55.011/2.1658	1.980/0.0778	.041/.0016 .107/.0042	23.90/0.941	F780	2	MB2738AL IH
Overflange length remains constant for standard and undersizes.									
4 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
92 1471cc (1.5) Isuzu 4XC1			**7 L4**	**77mm x 79mm**		**Connecting Rod 24-27 ft.lbs/33-37 Nm**			
92 1471cc (1.5) Isuzu 4XC1T Turbo			**9 L4**	**77mm x 79mm**		**Main Bearing 61-69 ft.lbs/83-93 Nm**			
92 1471cc (1.5) Isuzu 4XC1			**K L4**	**77mm x 79mm**					
	Rod								
4B1870 Std. .25 .50 .75		39.929/1.5720 39.945/1.5726	42.980/1.6921 43.000/1.6929	1.506/0.0593		17.00/0.669	F780	8	1870 IH
	Main								
5M1869 Std. .25 .50 .75	1-5	47.918/1.8865 47.938/1.8873	51.976/2.0463 52.000/2.0472	2.010/0.0791	.018/.0007 .089/.0035	17.00/0.669	F780	10	1869 U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 4
Thrust									
3	54.700/2.1535 54.900/2.1614	69.700/2.7441 69.900/2.7520			2.20/0.087	F250	2	1869T IH	**1T1869** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M1869 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				5
98 1588cc (1.6) OHC		**6**	**L4**	**79mm x 82mm**	**Connecting Rod 18 ft.lbs/25 Nm + 30 deg turn Main Bearing 36 ft.lbs/49 Nm + 45-60 deg turn**				
Rod									
	42.972/1.6918 42.987/1.6924	45.999/1.8110 46.012/1.8115	1.499/0.0590	.012/.0005 .050/.0020	16.64/0.655	F820	8	1330AL IH	**4B1451AL** Std. .25 .50 .75
Main - Overflange length increases for undersizes. * See below for dimensional information.									
1,2,4,5	54.971/2.1642 54.986/2.1648	58.999/2.3228 59.012/2.3233	2.001/0.0788	.013/.0005 .065/.0026	19.50/0.768	F780	8	1338 IH	**5M1801P** Std. .25 .50 .75 1.0
3 (FI)	54.971/2.1642 54.986/2.1648	58.999/2.3228 59.012/2.3233	2.001/0.0788	.013/.0005 .065/.0026	25.92/1.020	F780	2	1339 IH	

*** DIMENSIONAL INFORMATION FOR 5M1801P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.028"/26.12 mm	+0.008"/0.20mm
0.50 mm u/s shaft	1.036"/26.32 mm	+0.016"/0.40mm
0.75 mm u/s shaft	1.036"/26.32 mm	+0.016"/0.40mm
1.00 mm u/s shaft	1.044"/26.52 mm	+0.024"/0.60mm

ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**	6
98 1588cc (1.6) Suzuki G16KV	**6**	**L4**	**75mm x 90mm**	**Connecting Rod 24-27 Ft.lbs/33-37 Nm**	
98 1588cc (1.6) Suzuki G16KV	**U**	**L4**	**75mm x 90mm**	**Main Bearing 37-41 ft.lbs/50-55 Nm**	

Rod									
	43.983/1.7316 44.000/1.7323	47.000/1.8504 47.020/1.8512	1.495/0.0589	.010/.0004 .076/.0030	18.10/0.713	F780	8	8340 IH	**4B8340** Std. .25 .50 .75 1.0
Main									
1-5	51.982/2.0465 52.000/2.0472	56.000/2.2047 56.018/2.2054	2.005/0.0789	.010/.0004 .072/.0028	18.10/0.713	F780	10	8339 U/L	**5M8339** Std. .25 .50 .75 1.0
Thrust									
3	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.52/0.099	F817	2	8339T IH	**1T8339** Std.
Note: Set includes two pieces, use on No. 3 position. Required with 5M8339 main set.									

ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**	7
112 (1.8) OHV Chevrolet Eng.	**G**	**L4**	**3.50 x 2.91**	**Connecting Rod 34-43 ft.lbs/47-58 Nm Main Bearing 63-77 ft.lbs/85-105 Nm**	

Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH	**4B745P** Std. 01 10 20 30 40
Main									
1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH	**5M1524P** Std. .25 .50 .75
4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7162 IH	
5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.021/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L	
Overflange length remains constant for standard and undersizes.									

PONTIAC

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 (Cont'd.)									
	Cam								
5C1195S Std.	1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1
	2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4
	3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2

8 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
112 (1.8) OHC	**0**	**L4**	**84.8mm x 79.5mm**	**Connecting Rod 26 ft.lbs + 40-50 deg** (2.0L engine only)
112 (1.8) OHC Turbo	**J**	**L4**	**84.8mm x 79.5mm**	
122 (2.0) OHC	**H**	**L4**	**86mm x 86mm**	**Connecting Rod 39 ft.lbs/53 Nm** (1.8L engine only)
122 (2.0) OHC	**K**	**L4**	**86mm x 86mm**	**Main Bearing 44 ft.lbs + 40-50 deg** (2.0L engine only)
122 (2.0) OHC Turbo	**M**	**L4**	**86mm x 86mm**	**Main Bearing 57 ft.lbs/77 Nm** (1.8L engine only)

	Rod - 1.8L engines only.								
4B1175P Std. .25 .50 .75		48.971/1.9280 48.987/1.9286	52.000/2.0472 52.012/2.0477	1.500/0.0590	.013/.0005 .066/.0026	19.30/0.760	F780	8	2326 U/L
	To be superceded by 4B2322A when stock exhausted.								
	Rod - 2.0L engines only.								
4B1408P Std. .25 .50 .75		48.971/1.9280 48.987/1.9286	52.000/2.0472 52.012/2.0477	1.500/0.0590	.013/.0005 .066/.0026	19.30/0.760	F780	8	2320 U/L
	To be superceded by 4B2322A when stock exhausted.								
	Rod - High Strength Aluminum Silicon material.								
4B2322A Std. .25 .50 .75 1.0		48.971/1.9280 48.987/1.9286	52.000/2.0472 52.012/2.0477	1.500/0.0591	.013/.0005 .057/.0022	19.30/0.760	F810	8	2322A U/L
	Main - overflange length increases for undersizes. *See below for dimensional information.								
5M1549P .25 .50 .75	1,2,4,5	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	19.50/0.768	F780	8	2327 IH
	3 (FI)	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	26.10/1.028	F780	2	2328 IH

*** DIMENSIONAL INFORMATION FOR 5M1549P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.028"/26.10mm	+.008"/0.20mm
0.50 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm
0.75 mm u/s shaft	1.036"/26.30mm	+.016"/0.40mm

	Main								
5M2329P Std. .25 .50 .75	1,2,4,5	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	19.50/0.768	F780	8	2327 IH
	3 (FI)	57.982/2.2828 57.995/2.2833	62.000/2.4409 62.013/2.4415	1.995/0.0785	.015/.0006 .066/.0026	25.90/1.020	F780	2	2329 IH
	Overflange length remains constant for standard and undersizes.								

9 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
110 1819cc (1.8) Isuzu 4FB1 Diesel	**D**	**L4**	**84mm x 82mm**	**Connecting Rod 58-65 ft.lbs/79-88 Nm** **Main Bearing 116-130 ft.lbs/158-177 Nm**

	Rod								
4B1881 Std. .25 .50 .75 1.0		48.924/1.9261 48.936/1.9266	51.972/2.0461 51.985/2.0466	1.509/0.0594	.015/.0006 .066/.0026	22.00/0.866	F780	8	1881 IH
	Main								
5M1883 Std. .25 .50 .75 1.0	1,2,4,5	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.013/0.0793	.023/.0009 .081/.0032	21.75/0.856	F810	8	1882A U/L
	3	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.013/0.0793	.023/.0009 .081/.0032	21.75/0.856	F810	1	1882A U
	3	55.919/2.2015 55.932/2.2020	59.980/2.3614 60.000/2.3622	2.013/0.0793	.023/.0009 .081/.0032	21.75/0.856	F810	1	1883A L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 9
Thrust - for 8/82-86 engines only.									
3	63.750/2.5098 64.000/2.5197	79.934/3.1470 80.188/3.1570			2.36/0.093	F817	2	1824T IH	**1T1824** Std.
Note: Thrust set includes two pieces, use on No. 3 position. Required with 5M1883 main set.									
Thrust - for 1981-7/82 engines only.									
3	62.610/2.4650 62.860/2.4748	79.950/3.1476 80.200/3.1575			2.36/0.093	F817	2	3286T IH	**1T3286** Std.
Cam									
1-5	29.975/1.1801 (Nominal)	31.025/1.2215 (Nominal)	1.501/0.0591		16.00/0.630	F23	5	8083	**5C8083** Std.
Small End - single pieces.									
	25.000/0.9843 (Nominal)	28.025/1.1033 (Nominal)	1.529/0.0602		26.75/1.053	F100	1	RB4072	**RB4072** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
1794cc (1.8) 16V DOHC (1ZZFE)	**8**	**L4**	**79mm x 91.5mm**	**Connecting Rod 15 ft.lbs + 90 deg** **Main Bearing +45 deg, +45 deg** Step 3 (12 point bolt) **Main Bearing 14 ft.lbs** 6 point bolt **Main Bearing 16 ft.lbs** Step 1 (12 point bolt) **Main Bearing 32 ft.lbs** Step 2 (12 point bolt)	10

Rod - High Strength Aluminum Silicon material.									
	43.993/1.7320 44.000/1.7323	47.000/1.8504 47.023/1.8513	1.496/0.0589	.020/.0008 .043/.0017	15.70/0.618	F810	8	1851	**4B1851** Std. .25 .50 .75
Main - High Strength Aluminum Silicon material.									
1-5	47.986/1.8892 48.001/1.8898	52.000/2.0472 52.017/2.0479	2.007/0.0790	.015/.0006 .033/.0013	17.00/0.669	F810	10	1853 U/L	**5M1853** Std. .25 .50 .75
Thrust									
	53.600/2.1102 53.850/2.1201 (I.D.)	69.550/2.7382 69.800/2.7480 (O.D.)			2.48/0.098	F817	2	1853T IH	**1T1853** Std.
Set includes two pieces. Required with 5M1853 main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
1795cc (1.8) 16V DOHC (2ZZGE)	**L**	**L4**	**82mm x 85mm**	**Connecting Rod 22 ft.lbs + 90 deg** **Main Bearing +45 deg, +45 deg** Step 3 **Main Bearing 16 ft.lbs** Step 1 **Main Bearing 32 ft.lbs** Step 2	11

Rod - High Strength Aluminum Silicon material.									
	44.992/1.7713 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.492/0.0587	.028/.0011 .052/.0020	16.00/0.630	F810	8	1856A IH	**4B1856** Std. .25 .50 .75 1.0
Main - High Strength Aluminum Silicon material.									
1-5	47.988/1.8893 48.000/1.8898	52.000/2.0472 52.016/2.0479	1.996/0.0786	.008/.0003 .052/.0020	17.00/0.669	F810	10	1857A U/L	**5M1857** Std. .25 .50 .75 1.0
Thrust									
	53.600/2.1102 53.850/2.1201 (I.D.)	69.550/2.7382 69.800/2.7480 (O.D.)			2.48/0.098	F817	2	1853T IH	**1T1853** Std.
Set includes two pieces. Required with 5M1853 main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
122 (2.0) OHV Chevrolet Eng.	**1**	**L4**	**3.50 x 3.15**	**Connecting Rod 34-43 ft.lbs/47-58 Nm**	12
122 (2.0) OHV Chevrolet Eng.	**B**	**L4**	**3.50 x 3.15**	**Main Bearing 63-77 ft.lbs/85-105 Nm**	
122 (2.0) OHV Chevrolet Eng.	**P**	**L4**	**3.50 x 3.15**		

Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH	**4B745P** Std. 01 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
12 (Cont'd.)									
	Main - 122 (2.0L) VIN B,P engines only.								
5M1567P Std. .25 .50 .75 1.0	1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH
	4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH
	5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - 122 (2.0L) VIN 1 engine only.								
5M7124P Std. .25 .50 .75 1.0	1,2,3,5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	8	7123 IH
	4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH
	Overflange length remains constant for standard and undersizes.								
	Main - Alternate set to 5M1567P with +0.100 mm overflange length increase. * See below for dimensional information.								
5M7167P .25 .50 .75 1.0	1,2,3	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.020/.0008 .093/.0037	18.72/0.737	F780	6	7123 IH
	4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.020/.0008 .093/.0037	24.03/0.946	F780	2	7167 IH
	5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6879	2.423/0.0954	.020/.0008 .093/.0037	20.95/0.825	F780	2	7125 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 5M7167P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	24.03 mm	+0.100 mm
0.50 mm u/s shaft	24.03 mm	+0.100 mm
0.75 mm u/s shaft	24.03 mm	+0.100 mm
1.00 mm u/s shaft	24.03 mm	+0.100 mm

	Cam								
5C1195S Std.	1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1
	2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4
	3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2

13 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
134 2198cc (2.2) Ecotec (L61)	**F**	**L4**	**86mm x 94.6mm**	**Connecting Rod 18 ft.lbs + 100 deg Main Bearing 15 ft.lbs + 70 deg**

	Rod - High Strength Aluminum Silicon material.								
4B2296A Std. .25 .50 .75		49.000/1.9291 49.014/1.9297	52.118/2.0519 52.134/2.0525	1.542/0.0607	.020/.0008 .066/.0026	20.30/0.799	F810	8	2296A IH
	Rod - .002" oversize OD version of 4B2296A.								
4B2296AO/S2 .25 .50 .75		49.000/1.9291 49.014/1.9297	52.169/2.0539 52.185/2.0545	1.692/0.0666 (@ 0.25mm u/size)	.020/.0008 .066/.0026	20.30/0.799	F810	8	9110A IH
	Main								
5M2232A Std. 10 20	1,3,4,5	55.991/2.2044 56.007/2.2050	64.066/2.5223 64.081/2.5229	4.036/0.1589	.033/.0013 .078/.0031	19.79/0.779	F810	8	MB3824AL U/L
	2 (FI)	55.991/2.2044 56.007/2.2050	64.066/2.5223 64.081/2.5229	4.041/0.1591	.020/.0008 .063/.0025	25.88/1.019	F810	2	MB3825AL U/L
	Balance Shaft - for engines 2002 on.								
1BS2002S Std.	Rear	36.720/1.4457 36.741/1.4465	40.762/1.6048 40.775/1.6053	2.004/0.0789	.027/.0011 .068/.0027	26.00/1.024	F820	1	SH2002

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**14**
134 (2.2) OHV Chevrolet Eng.			**4**	**L4**	**3.50 x 3.46**	**Connecting Rod 38 ft.lbs/51 Nm**			
134 (2.2) OHV Chevrolet Eng.			**G**	**L4**	**3.50 x 3.46**	**Main Bearing 70 ft.lbs/95 Nm**			
Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH	**4B745P** Std. 01 10 20 30 40
Main - for Cars (1990-96). (This set contains shells that have the same tang location for positions #1,2,3 & 5)									
1,2,3,5	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	18.72/0.737	F780	8	7123 IH	**5M7124P** Std. .25 .50 .75 1.0
4 (FI)	63.360/2.4945 63.383/2.4954	68.250/2.6870 68.273/2.6880	2.423/0.0954	.021/.0008 .093/.0037	23.93/0.942	F780	2	7124 IH	
Overflange length remains constant for standard and undersizes.									
Main - for Cars (1997 on). Different tang location for #3 position bearing.									
1,2,5	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.423/0.0954	.021/.0008 .097/.0038	18.72/0.737	F780	6	7123 IH	**5M7164P** Std. .25 .50 .75 1.0
3	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.423/0.0954	.021/.0008 .097/.0038	20.75/0.817	F780	2	7164 IH	
4 (FI)	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.423/0.0954	.021/.0008 .097/.0038	23.93/0.942	F780	2	7124 IH	
Overflange length remains constant for standard and undersizes.									
Main - Alt set to 5M7164P with +0.010" overflange length increase. * See dimensional information below.									
1,2,5	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.548/0.1003 (@ 0.25 mm u/s)	.021/.0008 .097/.0038	18.72/0.737	F780	6	7123 IH	**5M7183P** .25 .50 .75 1.0
3	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.548/0.1003 (@ 0.25 mm u/s)	.021/.0008 .097/.0038	20.75/0.817	F780	2	7164 IH	
4 (FI)	63.358/2.4944 63.383/2.4954	68.250/2.6870 68.275/2.6880	2.548/0.1003 (@ 0.25 mm u/s)	.021/.0008 .097/.0038	24.18/0.952	F780	2	7183 IH	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M7183P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

Cam									
1	47.440/1.8677 47.490/1.8697	51.283/2.0190 51.308/2.0200	1.880/0.0741		16.00/0.630	F23	1	CH-19-1	**5C1195S** Std.
2,5	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.750/0.0691		16.00/0.630	F23	2	CH-18-4	
3,4	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**15**
138 (2.3) SOHC (Quad 4)			**3**	**L4**	**3.62 x 3.35**	**Connecting Rod 18 ft.lbs/25 Nm + 90 deg turn**			
138 (2.3) DOHC (Quad 4)			**D**	**L4**	**3.62 x 3.35**	**Main Bearing 15 ft.lbs/20 Nm + 90 deg turn**			
140 (2.3) DOHC (Quad 4 - H.O.)			**A**	**L4**	**3.62 x 3.35**				
Rod									
	47.973/1.8887 47.998/1.8897	51.166/2.0144 51.191/2.0154	1.580/0.0623	.013/.0005 .051/.0020	22.76/0.896	F780	8	8516 IH	**4B1388P** Std. .25 .50 .75 1.0
Main									
1,2,4,5	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.377/0.0936	.013/.0005 .051/.0020	21.26/0.837	F780	8	8511 U/L	**5M8511P** Std. .25 .50 .75
3 (FI)	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.377/0.0936	.013/.0005 .051/.0020	27.76/1.093	F780	2	8513 U/L	
Overflange length remains constant for standard and undersizes.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
15 (Cont'd.)									
	Main - Alt. set to 5M8511P with +0.004" overflange length increase. * See below for dimensional information.								
5M8514P .25 .50 .75	1,2,4,5	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.377/0.0936	.013/.0005 .051/.0020	21.26/0.837	F780	8	8511 U/L
	3 (Fl)	51.994/2.0470 52.019/2.0480	56.774/2.2352 56.799/2.2362	2.502/0.0985 (@ 0.25 u/s)	.013/.0005 .077/.0030	27.86/1.097	F780	2	8514 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M8514P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.097"	+0.004"
0.50 mm u/s shaft	1.097"	+0.004"
0.75 mm u/s shaft	1.097"	+0.004"

16 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
140 (2.3) SOHC Chevrolet Eng.	**A**	**L4**	**3.50 x 3.63**	**Connecting Rod 35 ft.lbs/48 Nm**
140 (2.3) SOHC Chevrolet Eng.	**B**	**L4**	**3.50 x 3.63**	**Main Bearing 65 ft.lbs/88 Nm**

	Rod								
4B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	8	2370 IH
	Main								
5M1050P Std. 10 20	1,2,3	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.015/.0006 .091/.0036	20.50/0.807	F780	6	MB3135P U/L
	4 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.015/.0006 .091/.0036	25.63/1.009	F780	2	MB2588P U/L
	5	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.015/.0006 .091/.0036	22.88/0.901	F780	2	MB2589P U/L
	Overflange length remains constant for standard and undersizes.								
	Cam								
5C716S Std.	1	57.942/2.2812 57.968/2.2822	61.265/2.4120 61.290/2.4130	1.633/0.0643		17.40/0.685	F23	1	CH-13-1
	2,3,4,5	57.942/2.2812 57.968/2.2822	61.265/2.4120 61.290/2.4130	1.633/0.0643		17.40/0.685	F23	4	CH-13-2

17 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
146 (2.4) DOHC (Quad 4)	**T**	**L4**	**3.543 x 3.700**	**Connecting Rod 18 ft.lbs/25 Nm + 90 deg turn**
				Main Bearing 15 ft.lbs/20 Nm + 90 deg turn

	Rod								
4B1647P Std. .25 .50 .75 1.0		47.973/1.8887 47.998/1.8897	51.173/2.0147 51.186/2.0152	1.581/0.0622	.013/.0005 .077/.0030	18.30/0.720	F780	8	8520 IH
	Main								
5M2056P Std. .25 .50 .75 1.0	1,2,4,5	60.000/2.3622 60.023/2.3631	64.778/2.5503 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	20.00/0.787	F780	8	8517 U/L
	3 (Fl)	60.000/2.3622 60.023/2.3631	67.778/2.6684 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	27.74/1.092	F780	2	8518 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Alt. set to 5M2056P with +0.25mm overflange length increase. * See below for dimensional information.								
5M8525P .25 .50 .75 1.0	1,2,4,5	60.000/2.3622 60.023/2.3631	64.778/2.5503 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	20.00/0.787	F780	8	8517 U/L
	3 (Fl)	60.000/2.3622 60.023/2.3631	64.778/2.5503 64.798/2.5511	2.376/0.0935	.003/.0001 .072/.0028	27.99/1.102	F780	2	8525 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M8525P**

	Overall Width (Nominal)	Increase in Width
0.25mm u/s shaft	27.99 mm	+0.25 mm
0.50mm u/s shaft	27.99 mm	+0.25 mm
0.75mm u/s shaft	27.99 mm	+0.25 mm
1.00mm u/s shaft	27.99 mm	+0.25 mm

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** — **18**

151 2474cc (2.5) | **1** | **L4** | **4.00 x 3.00** | **Connecting Rod 30 ft.lbs/41 Nm** (except crossflow)
151 2474cc (2.5) | **2** | **L4** | **4.00 x 3.00** | **Connecting Rod 32 ft.lbs/44 Nm** (crossflow)
151 2474cc (2.5) | **5** | **L4** | **4.00 x 3.00** | **Main Bearing 65 ft.lbs/88 Nm** (except crossflow)
151 2474cc (2.5) | **9** | **L4** | **4.00 x 3.00** | **Main Bearing 70 ft.lbs/95 Nm** (crossflow)
151 2474cc (2.5) | **F** | **L4** | **4.00 x 3.00**
151 2474cc (2.5) | **R** | **L4** | **4.00 x 3.00**
151 2474cc (2.5) | **V** | **L4** | **4.00 x 3.00**

Rod - High Strength Aluminum Silicon material.

	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	8	2226A IH	**4B610A** Std. 10 20 30 40

Rod - .002" oversize OD version of 4B610A.

	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH	**4B610AO/S2** 10 20 30 40

Rod - To be superceded by 4B610A when stock exhausted.

	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	8	2226 IH	**4B610P** Std. 01 10 20 30 40

Rod - To be superceded by 4B610AO/S2 when stock exhausted.

	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/s)	.015/.0006 .067/.0026	18.84/0.742	F780	8	9070 IH	**4B610PO/S2** 10 20 30 40

Main

1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L	**5M1733P** Std. 01 10 20 30 40
5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L	

Overflange length remains constant for standard and undersizes.

Main - Alt set to 5M1733P with +0.010" overflange length increase. * See below for dimensional information.

1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	8	7132 U/L	**5M7152P** 10 20 30 40
5 (Fl)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.88/1.019	F780	2	7152 U/L	

Stock not available from fee warehouses.

*** DIMENSIONAL INFORMATION FOR 5M7152P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.019"	+0.010"
.020" u/s shaft	1.019"	+0.010"
.030" u/s shaft	1.019"	+0.010"
.040" u/s shaft	1.019"	+0.010"

Cam

1,2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0644		21.97/0.865	F23	3	CH-5-3	**3C1030S** Std.

ENGINE | **VIN** | **CYL** | **Bore x Stroke** | **TORQUE SETTINGS** — **19**

151 2474cc (2.5) | **U** | **L4** | **4.00 x 3.00** | **Connecting Rod 30 ft.lbs/41 Nm** (except crossflow)
Connecting Rod 32 ft.lbs/44 Nm (crossflow)
Main Bearing 65 ft.lbs/88 Nm (except crossflow)
Main Bearing 70 ft.lbs/95 Nm (crossflow)

Rod - High Strength Aluminum Silicon material.

	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	8	2226A IH	**4B610A** Std. 10 20 30 40

Rod - .002" oversize OD version of 4B610A.

	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH	**4B610AO/S2** 10 20 30 40

Rod - To be superceded by 4B610A when stock exhausted.

	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	8	2226 IH	**4B610P** Std. 01 10 20 30 40

Rod - To be superceded by 4B610AO/S2 when stock exhausted.

	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/s)	.015/.0006 .067/.0026	18.84/0.742	F780	8	9070 IH	**4B610PO/S2** 10 20 30 40

PONTIAC

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
19 (Cont'd.)									
	Main - VIN U only.								
5M1643P Std. 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.42/0.804	F780	4	7132 U
	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.42/0.804	F780	4	7157 L
	5 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	23.93/0.942	F780	2	7159 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - Alternate set to 5M1643P with +.010" overflange length increase. * See below for dimensional information.								
5M7163P 10 20 30 40	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.42/0.804	F780	4	7132 U
	1,2,3,4	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.42/0.804	F780	4	7157 L
	5 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	24.18/0.952	F780	2	7163 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M7163P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	0.952"	+0.010"
.020" u/s shaft	0.952"	+0.010"
.030" u/s shaft	0.952"	+0.010"
.040" u/s shaft	0.952"	+0.010"

	Cam - VIN U only.								
3C1305S Std.	1,2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0644		18.16/0.715	F23	3	CH-20-1

20 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
173 (2.8) Chevrolet Eng.	**1**	**V6**	**3.50 x 2.99**	**Connecting Rod 34-40 ft.lbs/47-54 Nm**
173 (2.8) Chevrolet Eng.	**7**	**V6**	**3.50 x 2.99**	**Main Bearing 63-74 ft.lbs/85-101 Nm**
173 (2.8) Chevrolet Eng.	**9**	**V6**	**3.50 x 2.99**	
173 (2.8) Chevrolet Eng.	**L**	**V6**	**3.50 x 2.99**	
173 (2.8) Chevrolet Eng.	**S**	**V6**	**3.50 x 2.99**	
173 (2.8) Chevrolet Eng.	**W**	**V6**	**3.50 x 2.99**	
173 (2.8) Chevrolet Eng.	**X**	**V6**	**3.50 x 2.99**	
173 (2.8) Chevrolet Eng.	**Z**	**V6**	**3.50 x 2.99**	

	Rod - High Strength Aluminum Silicon material.								
6B1238A Std. 01 10 20 30 40		50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A
	Rod - .002" oversize OD version of 6B1238A.								
6B1238AO/S2 10 20 30 40		50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH
	Main - optional set to 4M1494P with +0.010" overflange increase. *See below for dimensional information.								
4M1493P 10 20 30 40	1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L
	2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L
	3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.18/0.952	F780	2	7129 U/L
	4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M1493P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	0.952"	+0.010"
.020" u/s shaft	0.952"	+0.010"
.030" u/s shaft	0.952"	+0.010"
.040" u/s shaft	0.952"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 20
Main - For 1980-85 engines with 63.3 mm small journal design.									
1	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	24.64/0.970	F780	2	7117 U/L	**4M1494P** Std. 10 20 30 40
2	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	18.85/0.742	F780	2	7118 U/L	
3 (FI)	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	23.93/0.942	F780	2	7119 U/L	
4	63.340/2.4937 63.363/2.4946	68.250/2.6870 68.275/2.6880	2.426/0.0955	.035/.0014 .109/.0043	31.70/1.248	F780	2	7120 U/L	
Overflange length remains constant for standard and undersizes.									
Main - High Strength Aluminum Silicon material. For all engines with 67.2 mm large journal design.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L	**4M2037A** Std. .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 4M2037P with +0.010" overflange length increase for undersizes. *See below for dimensional information.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L	**4M7122P** .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

Cam									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102S** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	
Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102SW** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 21
181 (3.0) Buick Eng.	L	V6	3.80 x 2.66	Connecting Rod 40 ft.lbs/54 Nm
231 (3.8) Buick Eng.	2	V6	3.80 x 3.40	Main Bearing 110 ft.lbs/150 Nm
231 (3.8) Buick Eng.	3	V6	3.80 x 3.40	
231 (3.8) Buick Eng. Turbo	7	V6	3.80 x 3.40	
231 (3.8) Buick Eng.	A	V6	3.80 x 3.40	
252 (4.1) Buick Eng.	4	V6	3.97 x 3.40	

Rod - .660" wide bearing.									
	57.117/2.2487 57.137/2.2495	60.295/2.3738 60.312/2.3745	1.572/0.0619	.014/.0006 .077/.0030	16.76/0.660	F780	12	2360 IH	**6B1228P** Std. 01 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
21 (Cont'd.)									
	Rod - .002" Oversize OD version of 6B1228P.								
6B1228PO/S2 10 20 30 40		57.117/2.2487 57.137/2.2495	60.346/2.3758 60.363/2.3765	1.724/0.0679 (@ .010" u/s)	.005/.0002 .078/.0031	16.76/0.660	F780	12	9071 IH
	Main - alt. set to 4M960P with +0.020" overflange length increase for undersizes.* See below for dimensional information.								
4M1688P 10 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.38/1.078	F780	2	9018 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1688P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.078"	+0.020"
.020" u/s shaft	1.078"	+0.020"
.030" u/s shaft	1.078"	+0.020"

	Main - alt. set to 4M960P with +0.040" overflange length increase for undersizes.* See below for dimensional information.								
4M1690P 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.89/1.098	F780	2	9024 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M1690P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.098"	+0.040"
.030" u/s shaft	1.098"	+0.040"

	Main - alt. set to 4M960P with +0.010" overflange length increase for undersizes.* See below for dimensional information.								
4M1747P 10 20 40	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.13/1.068	F780	2	9020 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1747P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 21
Main - half groove, standard oil clearance. Set includes modified upper rear main bearing.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M960P** Std. 01 10 20 30 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	26.87/1.058	F780	2	9017 U/L	
Overflange length remains constant for standard and undersizes.									
Cam - grooved O/D on #1 bush - alt. to 4C1031S.									
1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1B	**4C1031BS** Std.
2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2	
Cam - 1977-1985 engines with 14 bolt oil pan.									
1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1	**4C1031S** Std.
2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2	
Cam - Performance version for all engines 1985-89.									
1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0744		19.18/0.755		2	BP-13-1 BP-9-2	**4C1246C** Std.
Cam - for 1985-89 engines with 20 bolt oil pan.									
1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0743		19.18/0.755	F23	2	B-13-1	**4C1246S** Std.
2,3	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	2	B-9-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 22
189 (3.1) Chevrolet Eng.	**D**	**V6**	**3.50 x 3.31**	**Connecting Rod 15 ft.lbs + 75 deg** (VIN M only)
189 (3.1) Chevrolet Eng.	**J**	**V6**	**3.50 x 3.31**	**Connecting Rod 39 ft.lbs/53 Nm**
189 (3.1) Chevrolet Eng.	**M**	**V6**	**3.50 x 3.31**	**Main Bearing 37 ft.lbs + 77 deg** (VIN M only)
189 (3.1) Chevrolet Eng.	**T**	**V6**	**3.50 x 3.31**	**Main Bearing 70 ft.lbs/95 Nm**
189 (3.1) Chevrolet Eng. Turbo	**V**	**V6**	**3.50 x 3.31**	

Rod - High Strength Aluminum Silicon material.									
	50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A	**6B1238A** Std. 01 10 20 30 40
Rod - .002" oversize OD verison of 6B1238A.									
	50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH	**6B1238AO/S2** 10 20 30 40
Main - all engines (Exc. VIN M) - High Strength Aluminum Silicon material.									
1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L	**4M2037A** Std. .25 .50 .75 1.0
2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L	
3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
22 (Cont'd.)									
	Main - optional set to 4M2037P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
4M7122P .25 .50 .75 1.0	1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L
	2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L
	3 (Fl)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

	Main - VIN M - High Strength Aluminum Silicon material.								
4M7189A Std. .25 .50 .75 1.0	1,4	67.241/2.6473 67.267/2.6483	72.149/2.8405 72.174/2.8415			24.80/0.976	F810	4	7187A U/L
	2,3(L)	67.241/2.6473 67.267/2.6483	72.149/2.8405 72.174/2.8415			18.75/0.738	F810	3	7188A U/L
	3 (Fl)	67.241/2.6473 67.267/2.6483	72.149/2.8405 72.174/2.8415			23.93/0.942	F810	1	7189A U
	Cam								
4C1102S Std.	1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A
	2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2
	4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4
	Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.								
4C1102SW Std.	1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A
	2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A
	4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4

23 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
200 (3.3) Chevrolet Eng.	**M**	**V6**	**3.50 x 3.48**	**Connecting Rod 45 ft.lbs/59 Nm**
229 (3.8) Chevrolet Eng.	**9**	**V6**	**3.74 x 3.48**	**Main Bearings 70 ft.lbs/95 Nm**
229 (3.8) Chevrolet Eng.	**K**	**V6**	**3.74 x 3.48**	

	Rod								
6B1227P Std. 10 20 30 40		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	18.11/0.713	F780	12	7110 IH
	Main - High Strength Aluminum Silicon material.								
4M1454A Std. 01 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F810	6	2377A U/L
	4	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L
	Main								
4M1454P Std. 01 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (Fl)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 23
Main - alternate set to 4M1454P with +0.020" overflange length increase. *See below for dimensional information.									
1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L	**4M1628P** 10 20 30 40
4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 4M1628P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"

Main - alternate set to 4M1454P with +0.040" overflange length increase. *See below for dimensional information.									
1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L	**4M1684P** 20 30 40
4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.65/1.758	F780	2	2355 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 4M1684P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

Cam									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1	**4C1089S** Std.
2,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		18.92/0.745	F23	2	CH-4-2	
3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	1	CH-4-3	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
204 (3.3) Buick Eng.	**N**	**V6**	**3.70 x 3.16**	**Connecting Rod 20 ft.lbs/27 Nm +50 deg Main Bearing 26 ft.lbs/35 Nm + 50 deg**	24

Rod									
	57.117/2.2487 57.137/2.2495	60.300/2.3740 60.312/2.3745	1.570/0.0618	.023/.0009 .081/.0032	18.30/0.720	F780	12	2306 IH	**6B1443P** Std. 10 20 30 40
Rod - .002" Oversize OD version of 6B1443P.									
	57.117/2.2487 57.137/2.2495	60.351/2.3760 60.363/2.3765	1.722/0.0678 (@ .010" u/s)	.024/.0009 .082/.0032	18.30/0.720	F780	12	9046 IH	**6B1443PO/S2** 10 20 30 40
Main - half groove, standard oil clearance.									
1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L	**4M1822P** Std. 10 20 30 40
1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U	
2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L	
4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L	
Overflange length remains constant for standard and undersizes.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
24 (Cont'd.)									
	Main - Alternate set to 4M1822P with +0.010" overflange length increase.* See below for dimensional information.								
4M9022P 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	27.13/1.068	F780	2	9022 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M9022P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.030" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

	Cam								
4C1246S Std.	1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0743		19.18/0.755	F23	2	B-13-1
	2,3	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	2	B-9-2

25 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
207 (3.4) OHV	**E**	**V6**	**3.62 x 3.31**	**Connecting Rod 15 ft.lbs + 75 deg** (1995 on)
207 (3.4) OHV	**S**	**V6**	**3.62 x 3.31**	**Connecting Rod 39 ft.lbs/53 Nm** (1991-94)
207 (3.4) DOHC	**X**	**V6**	**3.62 x 3.31**	**Main Bearing 37 ft.lbs + 75 deg** (Bolt) **Main Bearing 39 ft.lbs/53 Nm** (Nut)

	Rod - High Strength Aluminum Silicon material.								
6B1238A Std. 01 10 20 30 40		50.759/1.9984 50.785/1.9994	54.013/2.1265 54.039/2.1275	1.575/0.0620	.027/.0011 .105/.0041	18.29/0.720	F810	12	7116A
	Rod - .002" oversize OD version of 6B1238A.								
6B1238AO/S2 10 20 30 40		50.759/1.9984 50.785/1.9994	53.962/2.1245 53.988/2.1255	1.727/0.0680 (@ .010" u/s)	.014/.0006 .080/.0031	18.29/0.720	F810	12	9036A IH
	Main - High Strength Aluminum Silicon material.								
4M2037A Std. .25 .50 .75 1.0	1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	24.80/0.976	F810	4	7237A U/L
	2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	18.75/0.738	F810	2	7238A U/L
	3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.033/.0013 .109/.0043	23.93/0.942	F810	2	7239A U/L
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 4M2037P with +0.010" overflange length increase for undersizes. *See below for dimensional information.								
4M7122P .25 .50 .75 1.0	1,4	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.80/0.976	F780	4	7237 U/L
	2	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	18.75/0.738	F780	2	7238 U/L
	3 (FI)	67.239/2.6472 67.264/2.6482	72.149/2.8405 72.174/2.8415	2.426/0.0955	.025/.0010 .102/.0040	24.18/0.952	F780	2	7122 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M7122P**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	0.952"	+0.010"
0.50 mm u/s shaft	0.952"	+0.010"
0.75 mm u/s shaft	0.952"	+0.010"
1.00 mm u/s shaft	0.952"	+0.010"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 25
Cam - OHV engines only.									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102S** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		16.13/0.635	F23	2	CH-18-2	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	
Cam - optional set to 4C1102S with 0.725" wide #2 and #3 bushes.									
1	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-1A	**4C1102SW** Std.
2,3	47.440/1.8677 47.490/1.8697	50.775/1.9990 50.825/2.0010	1.630/0.0640		18.42/0.725	F23	2	CH-18-2A	
4	47.440/1.8677 47.490/1.8697	51.029/2.0090 51.079/2.0110	1.760/0.0691		16.00/0.630	F23	1	CH-18-4	
AR Auxiliary - DOHC engines only.									
1	47.440/1.8677 47.490/1.8697	51.054/2.0100	1.755/0.0691		29.77/1.172	F23	1	CHG-22-1	**4C6001S** Std.
2,3	47.440/1.8677 47.490/1.8697	50.787/1.9995	1.626/0.0640		16.00/0.630	F23	2	CH-18-2	
4	47.440/1.8677 47.490/1.8697	51.041/2.0095	1.755/0.0691		15.87/0.625	F23	1	CH-18-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 26
215 (3.5)		**L6**	**3.75 x 3.25**	**Connecting Rod 35-45 ft.lbs/48-61 Nm**
230 (3.8)		**L6**	**3.875 x 3.250**	**Main Bearing 60-70 ft.lbs/81-95 Nm**

Rod									
	50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	12	2370 IH	**6B745P** Std. 01 10 20 30 40
Main									
1-6	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	12	7132 U/L	**7M617P** Std. 10 20 30 40
7 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		21.97/0.865	F23	2	CH-5-2	**4C399S** Std.
2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	2	CH-5-3	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 27
231 (3.8) Odd Fire (Buick Eng.)	**C**	**V6**	**3.80 x 3.40**	**Connecting Rod 40 ft.lbs/54 Nm** **Main Bearing 110 ft.lbs/156 Nm** (1977 engines) **Main Bearing 115 ft.lbs/161 Nm** (1976 engines)

Rod - High Strength Aluminum Silicon material.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	12	2226A IH	**6B610A** Std. 10 20 30 40
Rod - To be superceded by 6B610A when stock exhausted.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	12	2226 IH	**6B610P** Std. 01 10 20 30 40

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
27 (Cont'd.)									
	Main - Alt. set to 4M960P with +0.020" overflange length increase for undersizes.* See below for dimensional information.								
4M1688P 10 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.38/1.078	F780	2	9018 U/L
	To be discontinued when stock exhausted.								

* DIMENSIONAL INFORMATION FOR 4M1688P		
	Overall Width (Nominal)	**Increase in Width**
.010" u/s shaft	1.078"	+0.020"
.020" u/s shaft	1.078"	+0.020"
.030" u/s shaft	1.078"	+0.020"

	Main - alt. set to 4M960P with +0.040" overflange length increase for undersizes.* See below for dimensional information.								
4M1690P 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.89/1.098	F780	2	9024 U/L
	Stock not available from fee warehouses.								

* DIMENSIONAL INFORMATION FOR 4M1690P		
	Overall Width (Nominal)	**Increase in Width**
.020" u/s shaft	1.098"	+0.040"
.030" u/s shaft	1.098"	+0.040"

	Main - Alt. set to 4M960P with +0.010" overflange length increase for undersizes. *See dimensional information below.								
4M1747P 10 20 40	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.13/1.068	F780	2	9020 U/L
	To be discontinued when stock exhausted.								

* DIMENSIONAL INFORMATION FOR 4M1747P		
	Overall Width (Nominal)	**Increase in Width**
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

	Main - half groove, standard oil clearance. Set includes modified upper rear main bearing.								
4M960P Std. 01 10 20 30 40	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (Fl)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	26.87/1.058	F780	2	9017 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 27
Cam - grooved O/D on #1 bush - alt. to 4C1031S.									
1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1B	**4C1031BS** Std.
2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2	
Cam									
1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1	**4C1031S** Std.
2,3,4	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	3	B-9-2	

ENGINE	VIN	CYL	Bore x Stroke
231 (3.8) 3800 Series II (Buick Eng.) Supercharged	**1**	**V6**	**3.80 x 3.40**
231 (3.8) 3800 TPI (Buick Eng.) Supercharged	**1**	**V6**	**3.80 x 3.40**
231 (3.8) 3800 MFI/TPI (Buick Eng.)	**C**	**V6**	**3.80 x 3.40**
231 (3.8) 3800 Series II (Buick Eng.)	**K**	**V6**	**3.80 x 3.40**
231 (3.8) 3800 MFI/TPI (Buick Eng.)	**L**	**V6**	**3.80 x 3.40**

TORQUE SETTINGS 28

Connecting Rod 20 ft.lbs/27 Nm + 50 deg
Main Bearing 26 ft.lbs + 45deg / 35 Nm + 45deg (1990-95 Vin L engines)
Main Bearing 26 ft.lbs + 50deg / 35 Nm +50deg (1992-99 VIN 1 & K engines)
Main Bearing 90 ft.lbs/121 Nm (1988-91 VIN C engines)

Rod - .660" wide bearing for 1988-90 231 Type C engines only.									
	57.117/2.2487 57.137/2.2495	60.295/2.3738 60.312/2.3745	1.572/0.0619	.014/.0006 .077/.0030	16.76/0.660	F780	12	2360 IH	**6B1228P** Std. 01 10 20 30 40
Rod - .002" Oversize OD version of 6B1228P.									
	57.117/2.2487 57.137/2.2495	60.346/2.3758 60.363/2.3765	1.724/0.0679 (@ .010" u/s)	.005/.0002 .078/.0031	16.76/0.660	F780	12	9071 IH	**6B1228PO/S2** 10 20 30 40
Rod - for all engines (excluding 1988-90 231 VIN C engines).									
	57.117/2.2487 57.137/2.2495	60.300/2.3740 60.312/2.3745	1.570/0.0618	.023/.0009 .081/.0032	18.30/0.720	F780	12	2306 IH	**6B1443P** Std. 10 20 30 40
Rod - .002" oversize OD version of 6B1443P.									
	57.117/2.2487 57.137/2.2495	60.351/2.3760 60.363/2.3765	1.722/0.0678 (@ .010" u/s)	.024/.0009 .082/.0032	18.30/0.720	F780	12	9046 IH	**6B1443PO/S2** 10 20 30 40
Main - alt. set to 4M960P with +0.020" overflange length increase for undersizes.* See below for dimensional information.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M1688P** 10 20 30
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.38/1.078	F780	2	9018 U/L	

To be discontinued when stock exhausted.

*** DIMENSIONAL INFORMATION FOR 4M1688P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.078"	+0.020"
.020" u/s shaft	1.078"	+0.020"
.030" u/s shaft	1.078"	+0.020"

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
28 (Cont'd.)									
	Main - alt. set to 4M960P with +0.040" overflange length increase for undersizes.* See below for dimensional information.								
4M1690P 20 30	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.89/1.098	F780	2	9024 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 4M1690P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.098"	+0.040"
.030" u/s shaft	1.098"	+0.040"

	Main - alt. set to 4M960P with +0.010" overflange length increase for undersizes.* See below for dimensional information.								
4M1747P 10 20 40	1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L
	4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U
	2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	27.13/1.068	F780	2	9020 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1747P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

	Main - half groove, standard oil clearance for all 1991-93 engines only.								
4M1822P Std. 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L
	Overflange length remains constant for standard and undersizes.								
	Main - for 1994 engines only.								
4M2021P Std. 10 20 30 40	1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L
	1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U
	2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L
	4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2309 L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 28
Main - for all engines 1995 on.									
1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2299 L	**4M2022P** Std. 10 20 30 40
1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U	
2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	26.87/1.058	F780	2	2303 U/L	
4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2309 L	
Overflange length remains constant for standard and undersizes.									
Main - alt. set to 4M1822P with +0.010" overflange length increase for undersizes.* See below for dimensional information.									
1,3	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	2	2302 L	**4M9022P** 10 20 30 40
1,3,4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	3	2302 U	
2 (FI)	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	27.13/1.068	F780	2	9022 U/L	
4	63.470/2.4988 63.495/2.4998	68.250/2.6870 68.275/2.6880	2.377/0.0936	.013/.0005 .081/.0032	22.07/0.869	F780	1	2305 L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 4M9022P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.068"	+0.010"
.020" u/s shaft	1.068"	+0.010"
.030" u/s shaft	1.068"	+0.010"
.040" u/s shaft	1.068"	+0.010"

Main - half groove, standard oil clearance for 1988-90 231 VIN C engines only. Set includes modified upper rear main bearing.									
1,3	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	4	9015 U/L	**4M960P** Std. 01 10 20 30 40
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9016 L	
4	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	22.07/0.869	F780	1	9019 U	
2 (FI)	63.475/2.4990 63.500/2.5000	68.250/2.6870 68.275/2.6880	2.365/0.0931	.020/.0008 .096/.0038	26.87/1.058	F780	2	9017 U/L	
Overflange length remains constant for standard and undersizes.									
Cam - Performance version for all engines 1988-95.									
1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0744		19.18/0.755		2	BP-13-1 BP-9-2	**4C1246C** Std.
Cam - for 1988-95 engines only.									
1,4	45.339/1.7850 45.364/1.7860	49.162/1.9355 49.213/1.9375	1.890/0.0743		19.18/0.755	F23	2	B-13-1	**4C1246S** Std.
2,3	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	2	B-9-2	
Cam - for engines 1996 on (Full round design).									
1,4	46.858/1.8448 46.893/1.8462	50.686/1.9955 50.711/1.9965	1.882/0.0741		18.92/0.745	F23	2	B-14-1	**4C1812S** Std.
2,3	46.858/1.8448 46.893/1.8462	50.178/1.9755 50.228/1.9775	1.628/0.0641		16.00/0.630	F23	2	B-14-2	
Cam - for engines 1996 on (OE split type design).									
1,4	46.858/1.8448 46.893/1.8462	50.686/1.9955 50.737/1.9975	1.870/0.0736	.053/.0021 .165/.0065	19.00/0.748	F250	2	5108	**4C5108** Std. 10
2,3	46.858/1.8448 46.893/1.8462	50.178/1.9755 50.229/1.9775	1.613/0.0635	.059/.0023 .171/.0067	15.75/0.620	F250	2	5109	
Cam Tower - Repair Insert for 1988-94 231 engines.									
2,3	45.339/1.7850 45.364/1.7860	49.836/1.9620 49.861/1.9630	2.230/0.0878	.012/.0005 .088/.0035	15.75/0.620	F250	1	19549	**1SC19549** Std. 10

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
28 (Cont'd.)									
	Cam Tower - Repair Insert for 1988-94 231 engines.								
1SC19580 Std. 10	1,4	45.339/1.7850 54.364/2.1403	49.836/1.9620 49.861/1.9630	2.230/0.0878	.012/.0005 .088/.0035	19.00/0.748	F250	1	19580
	Cam Tower - Repair Insert for 1995 on 231 engines.								
1SC19581 Std. 10	1,4	46.858/1.8448 46.893/1.8462	51.283/2.0190 51.308/2.0200	2.179/0.0858	.032/.0013 .118/.0046	19.00/0.748	F250	1	19581
	Cam Tower - Repair Insert for 1995 on 231 engines.								
1SC19582 Std. 10	2,3	46.858/1.8448 46.893/1.8462	51.283/2.0190 51.308/2.0200	2.176/0.0857	.038/.0015 .124/.0049	15.75/0.620	F250	1	19582
	Small End - for 231 engines 1995 on (Exc. supercharged engines).								
RB4106 Semi		21.995/0.8659 22.000/0.8661	24.562/0.9670 (Nominal)	1.500/0.0591	.007/.0003 .022/.0009	21.20/0.835	F100	1	RB4106
	Bore allowance on the ID.								
	Small End - for 231 engines 1995 on (Exc. supercharged engines).								
RB4106-R Ream		21.995/0.8659 22.000/0.8661	24.562/0.9670 (Nominal)	1.360/0.0535		21.20/0.835	F100	1	RB4106-R
	Ream allowance on the ID.								

29 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
250 (4.1) Chevrolet Eng.		**L6**	**3.875 x 3.531**	**Connecting Rod 35-45 ft.lbs/48-61 Nm**
250 (4.1) Chevrolet Eng.		**L6**	**3.88 x 3.53**	**Main Bearing 60-70 ft.lbs/81-95 Nm**
250 (4.1) Chevrolet Eng.	**D**	**L6**	**3.88 x 3.53**	

	Rod								
6B745P Std. 01 10 20 30 40		50.775/1.9990 50.800/2.0000	53.967/2.1247 53.980/2.1252	1.577/0.0621	.013/.0005 .077/.0030	21.38/0.842	F780	12	2370 IH
	Main								
7M617P Std. 10 20 30 40	1-6	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	20.49/0.807	F780	12	7132 U/L
	7 (FI)	58.377/2.2983 58.402/2.2993	63.261/2.4906 63.287/2.4916	2.426/0.0955	.007/.0003 .084/.0033	25.63/1.009	F780	2	7133 U/L
	Overflange length remains constant for standard and undersizes.								
	Cam - for engines 1968-70 only.								
4C399S Std.	1,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		21.97/0.865	F23	2	CH-5-2
	2,3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	2	CH-5-3
	Cam - for 1971-79 engines only.								
4C718S Std.	1,2,3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.636/0.0644		21.97/0.865	F23	4	CH-5-3

30 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
260 (4.3) Oldsmobile Eng. Diesel	**T**	**V6**	**4.057 x 3.585**	**Connecting Rod 42 ft.lbs/57 Nm** **Main Bearing 107 ft.lbs/146 Nm** (1982 engines) **Main Bearing 89 ft.lbs/121 Nm** (1983-85 engines)

	Rod								
6B8510P Std. 10 20 30		57.125/2.2490 57.150/2.2500	60.305/2.3742 60.325/2.3750	1.570/0.0618	.013/.0005 .064/.0025	22.23/0.875	F780	12	CB1366P IH
	Main								
4M1616P Std. 10	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.380/0.0936	.020/.0008 .097/.0038	24.89/0.980	F780	2	MB2362P U/L
	2	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.380/0.0936	.020/.0008 .097/.0038	24.87/0.979	F780	2	MB2163P IH
	3 (FI)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.380/0.0936	.020/.0008 .097/.0038	30.35/1.195	F780	2	MB2363P IH
	4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.370/0.0932	.046/.0018 .086/.0034	32.26/1.270	F780	2	MB2964P U/L
	Overflange length remains constant for standards and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 30
Cam									
1	51.707/2.0357 51.727/2.0365	55.062/2.1678 55.113/2.1698	1.640/0.0646		17.60/0.693	F23	1	O-7-1	**4C1247S** Std.
2	51.199/2.0157 51.219/2.0165	54.554/2.1478 54.605/2.1498	1.640/0.0646		17.60/0.693	F23	1	O-6-2	
3	50.691/1.9957 50.711/1.9965	54.046/2.1278 54.097/2.1298	1.640/0.0646		17.60/0.693	F23	1	O-6-3	
4	50.183/1.9757 50.203/1.9765	53.538/2.1078 53.589/2.1098	1.640/0.0646		17.60/0.693	F23	1	O-6-4	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 31
260 (4.3) Oldsmobile Eng.	**F**	**V8**	**3.50 x 3.39**	**Connecting Rod 42 ft.lbs/57 Nm**
307 (5.0) Oldsmobile Eng.	**Y**	**V8**	**3.80 x 3.39**	**Main Bearing 120 ft.lbs/163 Nm** (Rear bearing cap)
350 (5.7) Oldsmobile Eng.	**R**	**V8**	**4.06 x 3.39**	**Main Bearing 80 ft.lbs/108 Nm** (Except rear bearing cap)
403 (6.6) Oldsmobile Eng.	**K**	**V8**	**4.35 x 3.39**	

Rod									
	53.945/2.1238 53.970/2.1248	57.137/2.2495 57.150/2.2500	1.572/0.0619	.023/.0009 .087/.0034	21.11/0.831	F780	16	8500 IH	**8B684P** Std. 10 20 30 40
Rod - .002" oversize OD version of 8B684P.									
	53.945/2.1238 53.970/2.1248	57.188/2.2515 57.201/2.2520	1.724/0.0679 (@ .010" u/s)	.024/.0009 .088/.0035	21.11/0.831	F780	16	9041 IH	**8B684PO/S2** 10 20 30 40
Main									
1(L)	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	1	8502 L	**5M805P** Std. 10 20 30 40
1(U),2,4	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	5	8505 IH	
3 (FI)	63.457/2.4983 63.482/2.4993	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	30.35/1.195	F780	2	8503 IH	
5	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	41.37/1.629	F780	2	8504 U/L	
Overflange length remains constant for standard and undersizes.									
Main - optional set to 5M805P with +0.010" overflange length increase for undersizes. * See below for dimensional information.									
1	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	1	8502 L	**5M8603P** 10 20 30 40
1(U),2,4	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	24.76/0.975	F780	5	8505 IH	
3 (FI)	63.457/2.4983 63.482/2.4993	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	30.61/1.205	F780	2	8603 IH	
5	63.462/2.4985 63.487/2.4995	68.250/2.6870 68.275/2.6880	2.377/0.0936	.009/.0004 .084/.0033	41.37/1.629	F780	2	8504 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 5M8603P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.205"	+0.010"
.020" u/s shaft	1.205"	+0.010"
.030" u/s shaft	1.205"	+0.010"
.040" u/s shaft	1.205"	+0.010"

Cam - 1977 on engines.									
1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-7-1	**5C1088S** Std.
2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2	
3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3	
4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4	
5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
31 (Cont'd.)									
	Cam - 1975-1976 engines.								
5C638S Std.	1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-6-1
	2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2
	3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3
	4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4
	5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5
	Small End - for 307 enignes only. Single pieces with bore allowance.								
RB3049YA20 Semi		24.933/0.9816 (Finish ID Bore Size)	27.534/1.0840 (Nominal)			23.37/0.920	F100	1	3049YA20

32 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
262 (4.3) Chevrolet Eng.	**Z**	**V6**	**4.000 x 3.484**	**Connecting Rod 45 ft.lbs/61 Nm Main Bearing 70 ft.lbs/95 Nm**

	Rod - High Strength Aluminum Silicon material.								
6B1358A Std. 01 10 20 30 40		57.130/2.2492 57.145/2.2498	60.317/2.3747 60.342/2.3757	1.575/0.0620	.022/.0009 .089/.0035	18.92/0.745	F810	12	7111A
	Rod - .002" oversize OD version of 6B1358A.								
6B1358AO/S2 10 20 30 40		57.130/2.2492 57.145/2.2498	60.368/2.3767 60.393/2.3777	1.613/0.0635 (@ .010" u/s)	.022/.0009 .089/.0035	18.92/0.745	F810	12	9042A IH
	Rod								
6B1358P Std. 01 10 20 30 40 50 60		57.130/2.2492 57.145/2.2498	60.317/2.3747 60.342/2.3757	1.575/0.0620	.022/.0009 .089/.0035	18.92/0.745	F780	12	7111 IH
	Main - High Strength Aluminum Silicon material.								
4M1454A Std. 01 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F810	6	2377A U/L
	4	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L
	Main								
4M1454P Std. 01 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - optional set to 4M1454P with +0.020" overflange length increase. *See dimensional information below.								
4M1628P 10 20 30 40	1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L
	4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L
	To be discontinued when stock exhausted.								

*** DIMENSIONAL INFORMATION FOR 4M1628P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 32
Main - optional set to 4M1454P with +0.040" overflange length increase. *See dimensional information below.									
1,2,3	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.007/.0003 .079/.0031	20.50/0.807	F780	6	2377 U/L	**4M1684P** 20 30 40
4 (FI)	62.177/2.4479 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.65/1.758	F780	2	2355 U/L	
Stock not available from fee warehouses.									

*** DIMENSIONAL INFORMATION FOR 4M1684P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

Cam									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1	**4C1089S** Std.
2,4	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.763/0.0694		18.92/0.745	F23	2	CH-4-2	
3	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	1	CH-4-3	
Balance Shaft									
Rear	38.064/1.4986 38.100/1.5000	47.587/1.8735 47.612/1.8745	4.724/0.1860	.013/.0005 .050/.0020	21.21/0.835	F23	1	CHG-15A	**1BS1400S** Std.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 33
265 (4.3)	**S**	**V8**	**3.75 x 3.00**	**Connecting Rod 28 ft.lbs/38 Nm** (301 Turbo only)
301 (4.9) Turbo	**T**	**V8**	**4.00 x 3.00**	**Connecting Rod 35 ft.lbs/48 Nm** (265,301 only)
301 (4.9)	**W**	**V8**	**4.00 x 3.00**	**Main Bearing 100 ft.lbs/136 Nm** (265,301 rear bearing cap)
301 (4.9)	**Y**	**V8**	**4.00 x 3.00**	**Main Bearing 135 ft.lbs/184 Nm** (301 Turbo only) **Main Bearing 70 ft.lbs/95 Nm** (265,301 except rear bearing cap)

Rod - .002" oversize OD version of 8B610A (2 sets required per engine).									
	50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH	**4B610AO/S2** 10 20 30 40
Rod									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	16	2226A IH	**8B610A** Std. 10 20 30 40
Main									
1,2,3	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.375/0.0935	.012/.0005 .089/.0035	21.97/0.865	F780	6	7134 U/L	**5M1415P** Std. 10 20 30 40
4 (FI)	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.375/0.0935	.012/.0005 .089/.0035	26.87/1.058	F780	2	7135 U/L	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .089/.0035	40.38/1.590	F780	2	7136 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1-5	48.240/1.8992 48.252/1.8997	51.554/2.0297 51.605/2.0317	1.640/0.0646		17.40/0.685	F23	5	P-3-2	**5C292S** Std.

PONTIAC

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.

34 ENGINE

VIN	CYL	Bore x Stroke
267 (4.4) Chevrolet Eng.	J	V8	3.50 x 3.48
305 (5.0) Chevrolet Eng.	7	V8	3.74 x 3.48
305 (5.0) Chevrolet Eng.	E	V8	3.74 x 3.48
305 (5.0) Chevrolet Eng.	F	V8	3.74 x 3.48
305 (5.0) Chevrolet Eng.	G	V8	3.74 x 3.48
305 (5.0) Chevrolet Eng.	H	V8	3.74 x 3.48
305 (5.0) Chevrolet Eng.	Q	V8	3.74 x 3.48
305 (5.0) Chevrolet Eng.	S	V8	3.74 x 3.48
305 (5.0) Chevrolet Eng.	U	V8	3.74 x 3.48
307 (5.0) Chevrolet Eng.	CA	V8	3.88 x 3.25
307 (5.0) Chevrolet Eng.	F	V8	3.88 x 3.25
350 (5.7) Chevrolet Eng.	6	V8	4.00 x 3.48
350 (5.7) Chevrolet Eng.	8	V8	4.00 x 3.48
350 (5.7) Chevrolet Eng.	L	V8	4.00 x 3.48
350 (5.7) Chevrolet Eng.	P	V8	4.00 x 3.48
350 (5.7) Chevrolet Eng.	V	V8	4.00 x 3.48

TORQUE SETTINGS

Connecting Rod 35 ft.lbs/48 Nm (11/32" bolts only)
Connecting Rod 45 ft.lbs/61 Nm (3/8" bolts only)
Main Bearing 75 ft.lbs/102 Nm

Rod - High Strength Aluminum Silicon material.

8B663A Std. 01 10 20 30 40		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A

Rod - .002" oversize OD version of 8B663A.

8B663AO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH

Rod - standard oil clearance.

8B663P Std. 01 10 20 30 40 50 60		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH

Rod - .002" oversize OD version of 8B663P.

8B663PO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH

Main - optional set to 5M909P with +0.020" overflange length increase. *See below for dimensional information.

5M1626P 10 20 30 40 50 60	1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L
	5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	44.15/1.738	F780	2	2379 U/L

Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".

*** DIMENSIONAL INFORMATION FOR 5M1626P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.738"	+0.020"
.020" u/s shaft	1.738"	+0.020"
.030" u/s shaft	1.738"	+0.020"
.040" u/s shaft	1.738"	+0.020"
.050" u/s shaft	1.738"	+0.020"
.060" u/s shaft	1.738"	+0.020"

Main - optional set to 5M909P with +0.040" overflange length increase. *See below for dimensional information.

5M1683P 20 30 40	1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L
	5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	1.76/0.069	F780	2	2355 U/L

Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".

*** DIMENSIONAL INFORMATION FOR 5M1683P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.758"	+0.040"
.030" u/s shaft	1.758"	+0.040"
.040" u/s shaft	1.758"	+0.040"

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 34
Main - optional set to 5M909P with +0.010" overflange length increase. *See dimensional information below.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M1744P** 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.89/1.728	F780	2	2365 U/L	
Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".									

*** DIMENSIONAL INFORMATION FOR 5M1744P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.728"	+0.010"
.020" u/s shaft	1.728"	+0.010"
.030" u/s shaft	1.728"	+0.010"
.040" u/s shaft	1.728"	+0.010"
.050" u/s shaft	1.728"	+0.010"
.060" u/s shaft	1.728"	+0.010"

Main - High Strength Aluminum Silicon material.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F810	8	2377A U/L	**5M909A** Std. 01 10 20 30 40
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F810	2	2378A U/L	
Main - half groove. Standard oil clearance.									
1,2,3,4	62.189/2.4484 62.212/2.4493	67.071/2.6406 67.094/2.6415	2.426/0.0955	.008/.0003 .079/.0031	20.50/0.807	F780	8	2377 U/L	**5M909P** Std. 01 10 20 30 40 50 60
5 (FI)	62.174/2.4478 62.200/2.4488	67.071/2.6406 67.094/2.6415	2.426/0.0955	.020/.0008 .091/.0036	43.64/1.718	F780	2	2378 U/L	
Overflange length remains constant for standard and undersizes. Note: For 302 engine only - standard shaft diameter on all positions is 2.4478"/2.4488" and oil clearance is .0008"/.0036".									
Cam - Single piece from 5C3346C set.									
1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	1	3346	**1C3346C** Std.
Cam - Single piece from 5C3349C set (#1 position cam).									
	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**1C3349C** Std.
Cam - +0.010" O.D. all housing bores 2.0290"/2.0310" (High Performance). Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.537/2.0290 51.587/2.0310	2.022/0.0796	.025/.0010 .127/.0050	19.05/0.750	F830	5	19536	**5C004AS** Std.
Cam - +0.020" O.D. all housing bores 2.0390"/2.0410" (High Performance). Customer to drill oil holes.									
1-5	47.452/1.8682 47.478/1.8692	51.791/2.0390 51.841/2.0410	2.149/0.0846	.025/.0010 .127/.0050	19.05/0.750	F830	5	19537	**5C004BS** Std.
Cam - standard housing bores.									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.890/0.0744		18.92/0.745	F23	1	CH-4-1	**5C290S** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.760/0.0694		18.92/0.745	F23	2	CH-4-2	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.640/0.0646		18.92/0.745	F23	2	CH-4-3	
Cam - All housing bores constant at 1.9990"/2.0010" (High Performance).									
1-5	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	5	3346	**5C3346C** Std.
Cam - standard housing bores (High Performance).									
1	47.452/1.8682 47.478/1.8692	51.283/2.0190 51.333/2.0210	1.895/0.0746	.025/.0010 .127/.0050	19.05/0.750	F830	1	3349	**5C3349C** Std.
2,5	47.452/1.8682 47.478/1.8692	51.029/2.0090 51.079/2.0110	1.768/0.0696	.025/.0010 .127/.0050	19.05/0.750	F830	2	3347	
3,4	47.452/1.8682 47.478/1.8692	50.775/1.9990 50.825/2.0010	1.641/0.0646	.025/.0010 .127/.0050	19.05/0.750	F830	2	3346	

PONTIAC

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
35 ENGINE									
325 5328cc (5.3) Chevrolet Eng.									
350 (5.7) Chevrolet Eng.									
350 (5.7) Chevrolet Eng.									
364 (6.0) Chevrolet Eng.									
Rod - High Strength Aluminum Silicon material.									
8B663A Std. 01 10 20 30 40		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A
Rod - .002" oversize OD version of 8B663A.									
8B663AO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH
Rod									
8B663P Std. 01 10 20 30 40 50 60		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH
Rod - .002" oversize OD version of 8B663P.									
8B663PO/S2 10 20 30 40		53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH
Main - High Strength Aluminum Silicon material.									
5M7298A Std. 10 20 30 40	1,2,4,5	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.006/.0002 .046/.0018	20.45/0.805	F810	8	7298A U/L
	3 (FI)	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.002/.0001 .046/.0018	26.10/1.028	F810	2	7299A U/L
Cam - 1998-2003 1st design (pos #1 & #5 with housing size of 2.3260"-2.3280")									
5C1000S Std.	1,5	54.991/2.1650 55.042/2.1670	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1
	2,4	54.991/2.1650 55.042/2.1670	58.829/2.3161 58.879/2.3181	1.880/0.0740		16.00/0.630	F23	2	CH-10-2
	3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3
Cam - 2003 on 2nd design (pos #1 & #5 with housing size of 2.3460"-2.3480")									
5C1001S Std.	1,5	54.991/2.1650 55.042/2.1670	59.588/2.3460 59.639/2.3480	2.260/0.0890		16.00/0.630	F23	2	CH-23-1
	2,4	54.991/2.1650 54.042/2.1276	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1
	3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3

35 ENGINE — VIN / CYL / Bore x Stroke / TORQUE SETTINGS

	VIN	CYL	Bore x Stroke
325 5328cc (5.3) Chevrolet Eng.	C	V8	3.780 x 3.622
350 (5.7) Chevrolet Eng.		V8	3.897 x 3.622
350 (5.7) Chevrolet Eng.	G	V8	3.897 x 3.622
364 (6.0) Chevrolet Eng.	U	V8	4.000 x 3.622

Connecting Rod 15 ft.lbs/20 Nm + 60 deg.
Main Bearing Consult service manual

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
36 ENGINE									
326 (5.3)									
350 (5.7)									
350 (5.7)									
350 (5.7)									
350 (5.7)									
350 (5.7)									
350 (5.7)									
400 (6.6)									
400 (6.6)									
400 (6.6)									
400 (6.6)									
400 (6.6)									
400 (6.6)									
400 (6.6)									
400 (6.6)									
Rod									
8B758P Std. 10 20 30 40		57.117/2.2487 57.142/2.2497	60.312/2.3745 60.325/2.3750	1.572/0.0619	.026/.0010 .090/.0035	22.37/0.881	F780	16	7140 IH

36 ENGINE — VIN / CYL / Bore x Stroke / TORQUE SETTINGS

	VIN	CYL	Bore x Stroke
326 (5.3)		V8	3.72 x 3.75
350 (5.7)		V8	3.88 x 3.75
350 (5.7)	A	V8	3.88 x 3.75
350 (5.7)	B	V8	3.88 x 3.75
350 (5.7)	E	V8	3.88 x 3.75
350 (5.7)	M	V8	3.88 x 3.75
350 (5.7)	N	V8	3.88 x 3.75
350 (5.7)	P	V8	3.88 x 3.75
400 (6.6)		V8	4.12 x 3.75
400 (6.6)	N	V8	4.12 x 3.75
400 (6.6)	P	V8	4.12 x 3.75
400 (6.6)	R	V8	4.12 x 3.75
400 (6.6)	S	V8	4.12 x 3.75
400 (6.6)	T	V8	4.12 x 3.75
400 (6.6)	X	V8	4.12 x 3.75
400 (6.6)	Y	V8	4.12 x 3.75
400 (6.6)	Z	V8	4.12 x 3.75

Connecting Rod 45 ft.lbs/61 Nm
Main Bearing 120 ft.lbs/163 Nm (rear bearing cap only)
Main Bearing 95 ft.lbs/129 Nm (except rear bearing cap)

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 36
Main - Alt set to 5M496P with +0.010" overflange length increase. * See below for dimensional information.									
1,2,3	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .088/.0035	23.82/0.938	F780	6	7138 U/L	**5M2496P** 10 20 30 40
4 (Fl)	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.009/.0004 .086/.0034	29.10/1.146	F780	2	7149 U/L	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .088/.0035	40.38/1.590	F780	2	7136 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 5M2496P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.146"	+0.010"
.020" u/s shaft	1.146"	+0.010"
.030" u/s shaft	1.146"	+0.010"
.040" u/s shaft	1.146"	+0.010"

Main - half groove.									
1,2,3	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.000/3.1890	23.825/0.9380	.018/.0007 .084/.0033	23.95/0.943	F780	6	MB1889G U/L	**5M483G** Std. 10 20 30
4 (Fl)	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.000/3.1890	2.382/0.0938	.017/.0007 .083/.0033	28.82/1.135	F780	2	MB1890G U/L	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.000/3.1890	2.382/0.0938	.018/.0007 .095/.0037	40.51/1.595	F780	2	MB1891P U/L	
Overflange length remains constant for standard and undersizes.									
Main - full groove.									
1,2,3	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .088/.0035	23.82/0.938	F780	6	7138 U/L	**5M496P** Std. 10 20 30 40
4 (Fl)	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.009/.0004 .086/.0034	28.85/1.136	F780	2	7139 U/L	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.382/0.0938	.011/.0004 .088/.0035	40.38/1.590	F780	2	7136 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1-5	48.240/1.8992 48.252/1.8997	51.554/2.0297 51.605/2.0317	1.640/0.0646		17.40/0.685	F23	5	P-3-2	**5C292S** Std.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
350 (5.7) Diesel	**N**	**V8**	**4.06 x 3.39**	**Connecting Rod 42 ft.lbs/57 Nm Main Bearing 120 ft.lbs/163 Nm**	37

Rod									
	53.945/2.1238 53.970/2.1248	57.137/2.2495 57.150/2.2500	1.572/0.0619	.023/.0009 .087/.0034	21.11/0.831	F780	16	8500 IH	**8B684P** Std. 10 20 30 40
Rod - .002" oversize OD version of 8B684P.									
	53.945/2.1238 53.970/2.1248	57.188/2.2515 57.201/2.2520	1.724/0.0679 (@ .010" u/s)	.024/.0009 .088/.0035	21.11/0.831	F780	16	9041 IH	**8B684PO/S2** 10 20 30 40
Main									
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L	**5M804P** Std. 10 20 30 40
1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U	
2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH	
3 (Fl)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.38/1.196	F780	2	8508 IH	
5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L	
Overflange length remains constant for standard and undersizes.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
37 (Cont'd.)									
	Main - optional set to 5M804P with +0.010" overflange length increase. *See below for dimensional information.								
5M8519P 20 30 40	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8507 L
	1	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	1	8512 U
	2,4	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	24.87/0.979	F780	4	8512 IH
	3 (FI)	76.182/2.9993 76.208/3.0003	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	30.63/1.206	F780	2	8519 IH
	5	76.175/2.9990 76.200/3.0000	80.975/3.1880 81.001/3.1890	2.377/0.0936	.013/.0005 .091/.0036	41.28/1.625	F780	2	8509 U/L
	Stock not available from fee warehouses.								

*** DIMENSIONAL INFORMATION FOR 5M8519P**

	Overall Width (Nominal)	Increase in Width
.020" u/s shaft	1.206"	+0.010"
.030" u/s shaft	1.206"	+0.010"
.040" u/s shaft	1.206"	+0.010"

	Cam								
5C1088S Std.	1	51.707/2.0357 51.727/2.0365	55.067/2.1680 55.105/2.1695	1.640/0.0646		17.60/0.693	F23	1	O-7-1
	2	51.199/2.0157 51.219/2.0165	54.560/2.1480 54.597/2.1495	1.640/0.0646		17.60/0.693	F23	1	O-6-2
	3	50.691/1.9957 50.711/1.9965	54.051/2.1280 54.090/2.1295	1.640/0.0646		17.60/0.693	F23	1	O-6-3
	4	50.183/1.9757 50.203/1.9765	53.543/2.1080 53.581/2.1095	1.640/0.0646		17.60/0.693	F23	1	O-6-4
	5	49.675/1.9557 49.695/1.9565	53.035/2.0880 53.073/2.0895	1.640/0.0646		17.60/0.693	F23	1	O-6-5

38 ENGINE

	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
350 (5.7) Buick Eng.	**H**	**V8**	**3.80 x 3.85**	**Connecting Rod 35 ft.lbs/48 Nm**
350 (5.7) Buick Eng.	**J**	**V8**	**3.80 x 3.85**	**Main Bearing 95 ft.lbs/129 Nm**
350 (5.7) Buick Eng.	**X**	**V8**	**3.80 x 3.85**	

	Rod - .002" oversize OD version of 8B610A (2 sets required per engine).								
4B610AO/S2 10 20 30 40		50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/size)	.015/.0006 .067/.0026	18.84/0.742	F810	8	9070A IH
	Rod - .002" oversize OD version of 8B610P (2 sets required per engine). To be superceded by 4B610AO/S2 when stock exhausted.								
4B610PO/S2 10 20 30 40		50.800/2.0000 50.813/2.0005	54.018/2.1267 54.031/2.1272	1.722/0.0678 (@ .010" u/s)	.015/.0006 .067/.0026	18.84/0.742	F780	8	9070 IH
	Rod - High Strength Aluminum Silicon material.								
8B610A Std. 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	16	2226A IH
	Rod - To be superceded by 8B610A when stock exhausted.								
8B610P Std. 01 10 20 30 40		50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F780	16	2226 IH
	Main - half groove, standard oil clearance.								
5M1457P Std. 10 20 30	1,2,4	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.370/0.0935	.020/.0008 .097/.0038	22.10/0.870	F780	6	7134 U/L
	3 (FI)	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.370/0.0935	.020/.0008 .097/.0038	26.87/1.058	F780	2	7135 U/L
	5	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.370/0.0935	.020/.0008 .097/.0038	22.10/0.870	F780	2	7137 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 38
Main - Atlernate set to 5M1457P with +0.004" overflange length increase. * See dimensional information below.									
1,2,4	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.374/0.0935	.020/.0008 .097/.0038	22.10/0.870	F780	6	7134 U/L	**5M7177P** 10 20 30 40
3 (FI)	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.374/0.0935	.020/.0008 .097/.0038	26.97/1.062	F780	2	7177 U/L	
5	76.187/2.9995 76.213/3.0005	80.975/3.1880 81.001/3.1890	2.374/0.0935	.020/.0008 .097/.0038	22.10/0.870	F780	2	7137 U/L	
To be discontinued when stock exhausted.									

*** DIMENSIONAL INFORMATION FOR 5M7177P**

	Overall Width (Nominal)	Increase in Width
.010" u/s shaft	1.062"	+0.004"
.020" u/s shaft	1.062"	+0.004"
.030" u/s shaft	1.062"	+0.004"
.040" u/s shaft	1.062"	+0.004"

Cam									
1	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		19.18/0.755	F23	1	B-11-1	**5C680S** Std.
2-5	45.339/1.7850 45.364/1.7860	48.654/1.9155 48.705/1.9175	1.630/0.0642		15.88/0.625	F23	4	B-9-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 39
421 (6.9)		**V8**	**4.10 x 4.00**	**Connecting Rod 45 ft.lbs/61 Nm**
428 (7.0)		**V8**	**4.12 x 4.00**	**Main Bearing 120 ft.lbs/163 Nm** (rear bearing cap only)
455 (7.5)		**V8**	**4.15 x 4.21**	**Main Bearing 95 ft.lbs/129 Nm** (except rear bearing cap)
455 (7.5)	**U**	**V8**	**4.15 x 4.21**	
455 (7.5)	**W**	**V8**	**4.15 x 4.21**	
455 (7.5)	**X**	**V8**	**4.15 x 4.21**	
455 (7.5)	**Y**	**V8**	**4.15 x 4.21**	

Rod									
	57.117/2.2487 57.142/2.2497	60.312/2.3745 60.325/2.3750	1.572/0.0619	.026/.0010 .090/.0035	22.37/0.881	F780	16	7140 IH	**8B758P** Std. 10 20 30 40
Main									
1,2,3	82.537/3.2495 82.550/3.2500	87.325/3.4380 87.338/3.4385	2.381/0.0937	.013/.0005 .066/.0026	23.82/0.938	F780	6	7141 U/L	**5M667P** Std. 10 20 30
4 (FI)	82.537/3.2495 82.550/3.2500	87.325/3.4380 87.338/3.4385	2.381/0.0937	.013/.0005 .066/.0026	30.35/1.195	F780	2	7142 U/L	
5	82.537/3.2495 82.550/3.2500	87.325/3.4380 87.338/3.4385	2.381/0.0937	.013/.0005 .066/.0026	40.38/1.590	F780	2	7143 U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1-5	48.240/1.8992 48.252/1.8997	51.554/2.0297 51.605/2.0317	1.640/0.0646		17.40/0.685	F23	5	P-3-2	**5C292S** Std.

SAAB ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1994cc (2.0).....	(EJ205), Turbo		H4	05-05	1
2458cc (2.5).....	(EJ251)		H4	05-05	1
2458cc (2.5).....	(EJ253)		H4	05-05	1
2458cc (2.5).....	(EJ255), Turbo		H4	06-06	1
256 (4.2).....		S	L6	05-05	2
323 (5.3).....	Chevrolet Eng.	M	V8	05-05	3
325 (5.3).....	Chevrolet Eng.	M	V8	06-06	3

SAAB MODEL INDEX

Model	CID	cc	Liter	Description	Years
9-2X - AERO		1994	2.0		05
		2458	2.5		06
9-2X - Linear		2458	2.5		05
9-7X - 5.3I	325		5.3	Chevrolet Eng.	06
9-7X - ARC	323		5.3	Chevrolet Eng.	05
9-7X - LINEAR	256		4.2		05

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1994cc (2.0) (EJ205) Turbo			**H4**	**89.9mm x 78.5mm**		**Connecting Rod 32-34 ft.lbs/43-46 Nm**			
2458cc (2.5) (EJ251)			**H4**	**99.5mm x 79mm**		**Main Bearing 17-20 ft.lbs/23-27 Nm** (8mm bolts only)			
2458cc (2.5) (EJ253)			**H4**	**99.5mm x 79mm**		**Main Bearing 33-37 ft.lbs/44-50 Nm** (10mm bolts only)			
2458cc (2.5) (EJ255) Turbo			**H4**	**99.5mm x 79mm**					
	Rod								
4B8296 Std. .25 .50 .75		51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.500/0.0591	.015/.0006 .043/.0017	16.50/0.650	F780	8	8296 IH
	Main - Suits engines with thrust bearing in #5 position.								
5M8309 Std. .25 .50 .75	1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297 IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298 IH
	5 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	22.95/0.904	F780	2	8309 IH

*Overflange length increases for undersizes. * See below for dimensional information.*

*** DIMENSIONAL INFORMATION FOR 5M8309**

	Overall Width (Nominal)	Increase in Width
0.25mm u/s shaft	23.05 mm	+0.100 mm
0.50mm u/s shaft	23.13 mm	+0.180 mm
0.75mm u/s shaft	23.21 mm	+0.260 mm

2 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
256 (4.2)			**S L6**	**93.04mm x 102mm**		**Connecting Rod 18 ft.lbs + 110 deg** **Main Bearing 18 ft.lbs + 180 deg**			
	Rod - High Strength Aluminum Silicon material.								
6B2290A Std. .25 .50 .75 1.0		56.691/2.2319 56.707/2.2326	60.322/2.3749 60.338/2.3755	1.798/0.0708	.011/.0004 .059/.0023	20.75/0.817	F810	12	2290A IH
	Rod - .002" oversize OD version of 6B2290A.								
6B2290AO/S2 .25 .50 .75 1.0		56.691/2.2319 56.707/2.2326	60.372/2.3768 60.388/2.3775	1.952/0.0769 (@ .25mm u/s)	.011/.0004 .059/.0023	20.75/0.817	F810	12	9102A IH
	Main								
7M2224A Std. 10 20	1,2,3,4, 6,7	69.967/2.7546 69.982/2.7552	78.069/3.0736 78.087/3.0743	4.044/0.1592	.007/.0003 .050/.0020	20.68/0.814	F820	12	MB3781P U/L
	5 (FI)	69.967/2.7546 69.982/2.7552	78.069/3.0736 78.087/3.0743	4.044/0.1592	.007/.0003 .050/.0020	25.35/0.998	F820	2	MB3782P U/L
	Small End								
AB3664 Semi		22.997/0.9054 23.000/0.9055	25.857/1.0180	1.372/0.0540		23.75/0.935	F100	1	223-3664
3 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
323 (5.3) Chevrolet Eng.			**M V8**	**3.780 x 3.622**		**Connecting Rod 15 ft.lbs/20 Nm + 60 deg.**			
325 (5.3) Chevrolet Eng.			**M V8**	**3.780 x 3.622**		**Main Bearing** Consult service manual			
	Rod - High Strength Aluminum Silicon material.								
8B663A Std. 01 10 20 30 40		53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F810	16	2376A

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 3
Rod - .002" oversize OD version of 8B663A.									
	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F810	16	9026A IH	**8B663AO/S2** 10 20 30 40
Rod									
	53.315/2.0990 53.340/2.1000	56.507/2.2247 56.520/2.2252	1.575/0.0620	.017/.0007 .081/.0032	21.25/0.837	F780	16	2376 IH	**8B663P** Std. 01 10 20 30 40 50 60
Rod - .002" oversize OD version of 8B663P.									
	53.315/2.0990 53.340/2.1000	56.558/2.2267 56.571/2.2272	1.727/0.0680 (@ .010" u/s)	.018/.0007 .082/.0032	21.25/0.837	F780	16	9026 IH	**8B663PO/S2** 10 20 30 40
Main - High Strength Aluminum Silicon material.									
1,2,4,5	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.006/.0002 .046/.0018	20.45/0.805	F810	8	7298A U/L	**5M7298A** Std. 10 20 30 40
3 (Fl)	64.993/2.5588 65.007/2.5593	69.873/2.7509 69.887/2.7515	2.430/0.0957	.002/.0001 .046/.0018	26.10/1.028	F810	2	7299A U/L	
Cam - 2003 on 2nd design (pos #1 & #5 with housing size of 2.3460"-2.3480")									
1,5	54.991/2.1650 55.042/2.1670	59.588/2.3460 59.639/2.3480	2.260/0.0890		16.00/0.630	F23	2	CH-23-1	**5C1001S** Std.
2,4	54.991/2.1650 54.042/2.1276	59.080/2.3260 59.131/2.3280	2.007/0.0790		16.00/0.630	F23	2	CH-10-1	
3	54.991/2.1650 55.042/2.1670	58.580/2.3063 58.631/2.3083	1.758/0.0692		16.00/0.630	F23	1	CH-10-3	

ACL Engine Bearings

SATURN ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
116 (1.9)	DOHC	7	L4	91-02	1
116 (1.9)	SOHC	8	L4	95-02	1
116 (1.9)	SOHC	9	L4	91-94	1
134 (2.2)	Ecotec		L4	02-05	2
134 2198cc (2.2)	Ecotec (L61)	F	L4	00-06	2

SATURN MODEL INDEX

Model	CID	cc	Liter	Description	Years
ION	134	2198	2.2	Ecotec	03-04
ION-1	134	2198	2.2	Ecotec	05
ION-2	134	2198	2.2	Ecotec	05-06
ION-3	134	2198	2.2	Ecotec	05-06
L SERIES	134	2198	2.2	Ecotec	02-03
LS SERIES	134	2198	2.2	Ecotec	00-01
LW SERIES	134	2198	2.2	Ecotec	00-03
SC SERIES	116		1.9	DOHC	91-02
	116		1.9	SOHC	93-02
SL SERIES	116		1.9	DOHC	91-02
	116		1.9	SOHC	91-02
SW SERIES	116		1.9	DOHC	93-01
	116		1.9	SOHC	93-00
VUE	134		2.2	Ecotec	02-05

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
116 (1.9) DOHC			**7 L4**	**3.23 x 3.54**		**Connecting Rod 31 ft.lbs/42 Nm**			
116 (1.9) SOHC			**8 L4**	**3.23 x 3.54**		**Main Bearing 37 ft.lbs/50 Nm**			
116 (1.9) SOHC			**9 L4**	**3.23 x 3.54**					
	Rod								
4B1623P Std. .25 .50		46.990/1.8500 47.010/1.8508	50.193/1.9761 50.206/1.9766	1.590/0.0626	.013/.0005 .054/.0021	20.32/0.800	F780	8	7131 IH
	Rod - .002" oversize OD version of 4B1623P.								
4B1623PO/S2 .25 .50		46.990/1.8500 47.010/1.8508	50.243/1.9781 50.256/1.9786	1.741/0.0685 (@ .25 mm u/s)	.004/.0002 .060/.0024	20.32/0.800	F780	8	9086 IH
	Main								
5M2009P Std. .25 .50	1,2,4,5	56.993/2.2438 57.005/2.2443	60.993/2.4013 61.006/2.4018	1.989/0.0783	.013/.0005 .049/.0019	18.31/0.721	F780	4	7178 U
	1-5	56.993/2.2438 57.005/2.2443	60.993/2.4013 61.006/2.4018	1.989/0.0783	.013/.0005 .049/.0019	18.31/0.721	F780	5	7178 L
	3 (FI)	56.993/2.2438 57.005/2.2443	60.993/2.4013 61.006/2.4018	1.989/0.0783	.013/.0005 .049/.0019	27.59/1.086	F780	1	7179 U
	Overflange length remains constant for standard and undersizes.								
	Cam Tower - DOHC engines only.								
10SC6005S Std.	1,6	28.951/1.1398 28.971/1.1406	32.144/1.2655	1.567/0.0617		16.89/0.665	F23	2	GMA-2-1 U
	2,3,4,5, 7,8,9,10	28.951/1.1398 28.971/1.1406	32.144/1.2655	1.567/0.0617		16.89/0.665	F23	8	GMA-2-3 U
	1,6	28.951/1.1398 28.971/1.1406	32.144/1.2655	1.567/0.0617		16.89/0.665	F23	2	GMA-2-2 L
	2,3,4,5, 7,8,9,10	28.951/1.1398 28.971/1.1406	32.144/1.2655	1.567/0.0617		16.89/0.665	F23	8	GMA-2-1 L
	Cam Tower - SOHC engines only.								
5C6004S Std.	1	28.951/1.1398 28.971/1.1406	47.261/1.8607	1.397/0.0550		20.75/0.817	F23	1	GMA-1-1
	2,3,4,5	28.951/1.1398 28.971/1.1406	47.261/1.8607	1.397/0.0550		16.79/0.661	F23	4	GMA-1-2
2 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
134 (2.2) Ecotec			**L4**	**86mm x 94.6mm**		**Connecting Rod 18 ft.lbs + 100 deg**			
134 2198cc (2.2) Ecotec (L61)			**F L4**	**86mm x 94.6mm**		**Main Bearing 15 ft.lbs + 70 deg**			
	Rod - High Strength Aluminum Silicon material.								
4B2296A Std. .25 .50 .75		49.000/1.9291 49.014/1.9297	52.118/2.0519 52.134/2.0525	1.542/0.0607	.020/.0008 .066/.0026	20.30/0.799	F810	8	2296A IH
	Rod - .002" oversize OD version of 4B2296A.								
4B2296AO/S2 .25 .50 .75		49.000/1.9291 49.014/1.9297	52.169/2.0539 52.185/2.0545	1.692/0.0666 (@ 0.25mm u/size)	.020/.0008 .066/.0026	20.30/0.799	F810	8	9110A IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 2
Main									
1,3,4,5	55.991/2.2044 56.007/2.2050	64.066/2.5223 64.081/2.5229	4.036/0.1589	.033/.0013 .078/.0031	19.79/0.779	F810	8	MB3824AL U/L	**5M2232A** Std. 10 20
2 (Fl)	55.991/2.2044 56.007/2.2050	64.066/2.5223 64.081/2.5229	4.041/0.1591	.020/.0008 .063/.0025	25.88/1.019	F810	2	MB3825AL U/L	
Balance Shaft - for engines 2002 on.									
Rear	36.720/1.4457 36.741/1.4465	40.762/1.6048 40.775/1.6053	2.004/0.0789	.027/.0011 .068/.0027	26.00/1.024	F820	1	SH2002	**1BS2002S** Std.

ACL Engine Bearings

SCION ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line	Engine Disp.	Notation	VIN	Cyl.	Year	Line
2398cc (2.4).....	(2AZFE)		L4	05-06	1						

SCION MODEL INDEX

Model	CID	cc	Liter	Description	Years	Model	CID	cc	Liter	Description	Years
TC		2398	2.4		05-06						

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
2398cc (2.4) (2AZFE)			**L4**	**86mm x 94.6mm**					
	Rod - High Strength Aluminum Silicon material.								
4B8411A Std. .25 .50 .75 1.0		47.990/1.8894 48.000/1.8898	51.000/2.0079 51.020/2.0087	1.490/0.0587	.024/.0009 .048/.0019	15.60/0.614	F810	8	8411A IH
	Main - High Strength Aluminum Silicon material.								
5M8412A Std. .25 .50 .75 1.0	1-5	54.988/2.1649 55.000/2.1654	59.000/2.3228 59.016/2.3235	1.996/0.0786	.008/.0003 .052/.0020	17.00/0.669	F810	10	8412A U/L
	Thrust								
1T8412 Std.		60.500/2.3819 60.750/2.3917	77.750/3.0610 78.000/3.0709			1.98/0.078	F817	2	8412T U
	Set includes two pieces. Required with 5M8412A main set.								
	Cam								
1C8415A Std.		35.971/1.4162 35.985/1.4167	40.000/1.5748 40.025/1.5758	2.004/0.0789	.007/.0003 .038/.0015	22.60/0.890	F810	1	8415A U
	(F)	35.971/1.4162 35.985/1.4167	40.000/1.5748 40.025/1.5758	2.004/0.0789	.007/.0003 .038/.0015	23.60/0.929	F810	1	8417A L
	Balance Shaft								
4BS8416A Std.		22.985/0.9049 23.000/0.9055	26.000/1.0236 26.018/1.0243	1.498/0.0590	.004/.0002 .031/.0012	22.10/0.870	F810	8	8416A IH

STERLING ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
2494cc (2.5).....	C25A1 DOHC	A	V6	87-88	1
2494cc (2.5).....	C25A1 DOHC	B	V6	87-88	1
2494cc (2.5).....	C25A1 DOHC	C	V6	87-88	1
2494cc (2.5).....	C25A1 DOHC	D	V6	87-88	1
2675cc (2.7).....	C27A1 DOHC	G	V6	89-91	1
2675cc (2.7).....	C27A1 DOHC	H	V6	89-91	1
2675cc (2.7).....	C27A1 DOHC	J	V6	89-89	1
2675cc (2.7).....	C27A1 DOHC	K	V6	89-91	1

STERLING MODEL INDEX

Model	CID	cc	Liter	Description	Years
825 - S		2494	2.5	C25A1 DOHC	87-88
825 - SL		2494	2.5	C25A1 DOHC	87-88
827		2675	2.7	C27A1 DOHC	90
827 - S		2675	2.7	C27A1 DOHC	89-91
827 - SL		2675	2.7	C27A1 DOHC	89-91
827 - SLI		2675	2.7	C27A1 DOHC	89-91

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE	VIN	CYL	Bore x Stroke
2494cc (2.5) C25A1 DOHC	**A**	**V6**	**84mm x 75mm**
2494cc (2.5) C25A1 DOHC	**B**	**V6**	**84mm x 75mm**
2494cc (2.5) C25A1 DOHC	**C**	**V6**	**84mm x 75mm**
2494cc (2.5) C25A1 DOHC	**D**	**V6**	**84mm x 75mm**
2675cc (2.7) C27A1 DOHC	**G**	**V6**	**87mm x 75mm**
2675cc (2.7) C27A1 DOHC	**H**	**V6**	**87mm x 75mm**
2675cc (2.7) C27A1 DOHC	**J**	**V6**	**87mm x 75mm**
2675cc (2.7) C27A1 DOHC	**K**	**V6**	**87mm x 75mm**

TORQUE SETTINGS 1

Connecting Rod 33 ft. lbs/45 Nm (1987-90 engines)
Main Bearing 29 ft.lbs/39 Nm (1987-90) (9mm bolts only)
Main Bearing 36 ft.lbs/49 Nm (1987-90) (10mm side bolts only)
Main Bearing 41 ft lbs/55 Nm (1989) (11mm bridge bolts only)
Main Bearing 48 ft lbs/65 Nm (1990) (11mm bridge bolts only)
Main Bearing 50 ft.lbs/68 Nm (1987-88) (11mm bridge bolts only)

Rod

	51.981/2.0465 51.999/2.0472	55.000/2.1654 55.025/2.1663	1.504/0.0592	.005/.0002 .072/.0028	17.50/0.689	F780	12	1935 IH	**6B1935** Std. .25 .50 .75

Main - for engines with 2.7165" max housing bore.

1,2,3,4	63.974/2.5187 64.000/2.5197	68.986/2.7160 69.000/2.7165	2.505/0.0986		20.00/0.787	F870	8	1933 U/L	**4M1933** Std. .25 .50 .75

Main - for engines with 2.6779" max housing bore.(Engine serial # 2001033 or lower and CA. emissions. For all other engines with serial number below #2502726).

1,2,3,4	63.976/2.5187 64.000/2.5197	68.000/2.6772 68.020/2.6779	2.000/0.0787	.020/.0008 .048/.0019	20.00/0.787	F780	8	1934 U/L	**4M1934** Std. .25 .50

Thrust

	75.250/2.9626 75.500/2.9724	93.750/3.6909 94.000/3.7008			2.50/0.098	F817	2	1934T IH	**1T1934** Std.

Note: Set includes two pieces, use on No. 3 position. Required with 4M1933/4M1934 main set.

SUBARU ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
997cc (1.0).....	EF10		L3	83-90	1
1088cc (1.1).....	EA61 (OHV)		H4	70-71	2
1189cc (1.2).....	EF12	7	L3	87-94	1
1189cc (1.2).....	EF12	8	L3	88-94	1
1267cc (1.3).....	EA62 (OHV)		H4	72-72	2
1361cc (1.4).....	EA63 (OHV)		H4	73-76	3
1595cc (1.6).....	EA71 (OHV)		H4	76-79	4
1595cc (1.6).....	EA71 (OHV)	2	H4	80-87	4
1595cc (1.6).....	EA71 (OHV)	3	H4	80-80	4
1781cc (1.8).....	EJ18E	2	H4	93-97	7
1781cc (1.8).....	EA81 (OHV)	4	H4	80-84	5
1781cc (1.8).....	EA82 (OHC)	4	H4	85-93	6
1781cc (1.8).....	EA82 (OHC), Turbo	4	H4	85-90	6
1781cc (1.8).....	EA81 (OHV)	5	H4	81-89	5
1781cc (1.8).....	EA82 (OHC)	5	H4	90-94	6
1781cc (1.8).....	EA81T (OHV), Turbo	5	H4	83-84	5
1781cc (1.8).....	EA82 (OHC), Turbo	5	H4	85-90	6
1781cc (1.8).....	EA82 (OHC)	7	H4	87-89	6
1781cc (1.8).....	EA82 (OHC), Turbo	7	H4	85-89	6
1994cc (2.0).....	EJ20E		H4	90-90	7
1994cc (2.0).....	EJ20E	2	H4	00-00	7
1994cc (2.0).....	EJ20T, Turbo	2	H4	96-01	7
1994cc (2.0).....	(EJ205), Turbo		H4	02-05	7
2212cc (2.2).....	EJ22E	3	H4	96-98	7
2212cc (2.2).....	EJ22E	4	H4	96-98	7
2212cc (2.2).....	EJ22E	6	H4	90-96	7
2212cc (2.2).....	EJ22T, Turbo	6	H4	91-94	7
2212cc (2.2).....	(EJ222)	4	H4	00-01	7
2212cc (2.2).....	(EJ22E)	4	H4	99-99	7
2212cc (2.2).....	(EJ22EZ)	4	H4	98-99	7
2458cc (2.5).....	EJ25D	6	H4	96-98	8
2458cc (2.5).....	(EJ251)		H4	00-04	8
2458cc (2.5).....	(EJ251)	6	H4	00-02	8
2458cc (2.5).....	(EJ252)	6	H4	00-00	8
2458cc (2.5).....	(EJ253)		H4	99-06	8
2458cc (2.5).....	(EJ255), Turbo		H4	04-06	8
2458cc (2.5).....	(EJ257), Turbo		H4	04-06	8
2458cc (2.5).....	(EJ25D)		H4	99-99	8
2458cc (2.5).....	(EJ25D)	6	H4	98-98	8

SUBARU MODEL INDEX

Model	CID	cc	Liter	Description	Years
BAJA		2458	2.5		03-04
BAJA - SPORT		2458	2.5		05-06
BAJA - TURBO		2458	2.5		05-06
BRAT		1595	1.6	EA71 (OHV)	78-80
BRAT - DL		1781	1.8	EA81 (OHV)	81-83
BRAT - GL		1781	1.8	EA81 (OHV)	81-87
BRAT - GL TURBO		1781	1.8	EA81T (OHV)	84
DELUXE		1267	1.3	EA62 (OHV)	72
		1361	1.4	EA63 (OHV)	73
DL		1361	1.4	EA63 (OHV)	74-76
		1595	1.6	EA71 (OHV)	76-84
		1781	1.8	EA81 (OHV)	80-89
		1781	1.8	EA82 (OHC)	85-89
FE		1595	1.6	EA71 (OHV)	79
FORESTER		2458	2.5		98-02
FORESTER - L		2458	2.5		98
FORESTER - S		2458	2.5		98
FORESTER - X		2458	2.5		03-06
FORESTER - X L.L. BEAN EDITION		2458	2.5		06
FORESTER - XS		2458	2.5		03-05
FORESTER - XT		2458	2.5		04-05
FORESTER - XT LIMITED		2458	2.5		06
GF		1361	1.4	EA63 (OHV)	75-76
		1595	1.6	EA71 (OHV)	76-79
GL		1267	1.3	EA62 (OHV)	72
		1361	1.4	EA63 (OHV)	73-75
		1595	1.6	EA71 (OHV)	79-87
		1781	1.8	EA81 (OHV)	80-89
		1781	1.8	EA81T (OHV)	83-84
		1781	1.8	EA82 (OHC)	85-89
GL-10		1781	1.8	EA82 (OHC)	85-89
GLF		1595	1.6	EA71 (OHV)	80
		1781	1.8	EA81 (OHV)	80-82
IMPREZA		1781	1.8	EJ18E	93-95
		2212	2.2		98-01
IMPREZA - 2.5I		2458	2.5		06
IMPREZA - 4X4		1781	1.8	EJ18E	93
IMPREZA - BRIGHTON		1781	1.8	EJ18E	96-97
		2212	2.2	EJ22E	97
IMPREZA - L		1781	1.8	EJ18E	93-96
		2212	2.2	EJ22E	95-97
IMPREZA - L 4X4		1781	1.8	EJ18E	95
IMPREZA - LS		1781	1.8	EJ18E	93-94
IMPREZA - LX		2212	2.2	EJ22E	95-96
IMPREZA - OUTBACK		1781	1.8	EJ18E	95
		2212	2.2		98-01
		2212	2.2	EJ22E	96-97
		2458	2.5		02-04
IMPREZA - OUTBACK SPORT		2458	2.5		06
IMPREZA - RS		2458	2.5		98-05
IMPREZA - TS		2458	2.5		02-04
IMPREZA - WRX		1994	2.0		02-05
		2458	2.5		06
IMPREZA - WRX STI		2458	2.5		04-06
JUSTY - DL		1189	1.2	EF12	87-94
JUSTY - GL		1189	1.2	EF12	87-94
JUSTY - RS		1189	1.2	EF12	89
LEGACY		2212	2.2		99
		2212	2.2	EJ22E	90-95
		2458	2.5		99-05
LEGACY - 2.5I		2458	2.5		06
LEGACY - 4X4		2212	2.2	EJ22E	93-94
		2212	2.2	EJ22T	92
LEGACY - BRIGHTON		2212	2.2	EJ22E	95-98
LEGACY - GT		2212	2.2	EJ22E	94
		2458	2.5		06
		2458	2.5	EJ25D	96-98
LEGACY - GT SPEC.B		2458	2.5		06
LEGACY - L		2212	2.2	EJ22E	90-98
LEGACY - L 4X4		2212	2.2	EJ22E	92-93
LEGACY - L ALPINE		2212	2.2	EJ22E	94
LEGACY - L OUTDOOR		2212	2.2	EJ22E	94
LEGACY - L SUNSPORT		2212	2.2	EJ22E	94
LEGACY - LIMITED		2458	2.5	EJ25D	97-98
LEGACY - LS		2212	2.2	EJ22E	90-96
LEGACY - LS 4X4		2212	2.2	EJ22E	92-93
LEGACY - LS SP		2212	2.2	EJ22E	91-93
LEGACY - LSI		2212	2.2	EJ22E	91-95
		2458	2.5	EJ25D	96-97
LEGACY - OUTBACK		2212	2.2	EJ22E	95-96
		2458	2.5		99
		2458	2.5	EJ25D	96-98
LEGACY - POSTAL		2212	2.2	EJ22E	95-98
LEGACY - SPORT		2212	2.2	EJ22T	91-94
LOYALE		1781	1.8	EA82 (OHC)	90-94
LOYALE - RS		1781	1.8	EA82 (OHC)	90
OUTBACK		2458	2.5		01-05
OUTBACK - 2.5I		2458	2.5		06
OUTBACK - XT		2458	2.5		06
RX		1781	1.8	EA82 (OHC)	86-89
STANDARD		1361	1.4	EA63 (OHV)	76
		1595	1.6	EA71 (OHV)	77-87
		1781	1.8	EA81 (OHV)	81-87
STAR		1088	1.1	EA61 (OHV)	71
		1267	1.3	EA62 (OHV)	72
XT - DL		1781	1.8	EA82 (OHC)	85-88
XT - GL		1781	1.8	EA82 (OHC)	85-91
XT - GL-10		1781	1.8	EA82 (OHC)	85-87

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
997cc (1.0) EF10			**L3**	**78mm x 70mm**	**Connecting Rod 29-33 ft.lbs/39-44 Nm**				
1189cc (1.2) EF12		**7**	**L3**	**78mm x 83mm**	**Main Bearing 30-35 ft.lbs/40-47 Nm**				
1189cc (1.2) EF12		**8**	**L3**	**78mm x 83mm**					
Rod - for all engines.									
	41.988/1.6531 42.006/1.6538	45.001/1.7717 45.021/1.7725	1.491/0.0587	.020/.0008 .076/.0030	15.14/0.596	F780	6	CB1469P IH	**3B1469P** Std. .25 .50
Main									
1,2,3	41.974/1.6525 41.986/1.6530	45.001/1.7717 45.021/1.7725	1.509/0.0594	.020/.0008 .060/.0024	20.14/0.793	F780	6	MB3459P	**4M2003P** Std. .25 .50 .75
4 (FI)	41.974/1.6525 41.986/1.6530	45.001/1.7717 45.021/1.7725	1.509/0.0594	.020/.0008 .060/.0024	24.97/0.983	F780	2	MB3460P	

*Overflange length increases for 0.75 mm undersize. *See dimensional information below.*

*** DIMENSIONAL INFORMATION FOR 4M2003P**

	Overall Width (Nominal)	Increase in Width
0.75 mm u/s shaft	25.12 mm	+0.15 mm

ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
1088cc (1.1) EA61 (OHV)			**H4**	**76mm x 60mm**	**Connecting Rod 36 ft.lbs/49 Nm**				
1267cc (1.3) EA62 (OHV)			**H4**	**82mm x 60mm**	**Main Bearing 22 ft.lbs/30 Nm**				
Rod - for EA62 engines only.									
	44.988/1.7712 45.000/1.7717	48.000/1.8898 48.016/1.8904	1.485/0.0585	.034/.0013 .078/.0031	13.63/0.537	F820	8	8291AL IH	**4B8291** Std. .25 .50 .75
Main									
1,3	49.954/1.9667 49.969/1.9673	54.000/2.1260 54.018/2.1267	2.008/0.0791	.015/.0006 .064/.0025	21.33/0.840	F820	4	8292AL IH	**3M8292** Std. .25 .50 .75
2 (FI)	49.954/1.9667 49.969/1.9673	54.000/2.1260 54.018/2.1267	2.008/0.0791	.015/.0006 .064/.0025	25.96/1.022	F820	2	8293AL U/L	

Overflange length remains constant for standard and undersizes.

ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**3**
1361cc (1.4) EA63 (OHV)			**H4**	**85mm x 60mm**	**Connecting Rod 30 ft.lbs/41 Nm** **Main Bearing 22 ft.lbs/30 Nm**				
Rod									
	44.988/1.7712 45.000/1.7717	48.000/1.8898 48.016/1.8904	1.485/0.0585	.034/.0013 .078/.0031	13.63/0.537	F820	8	8291AL IH	**4B8291** Std. .25 .50 .75
Main									
1,3	49.954/1.9667 49.969/1.9673	54.000/2.1260 54.018/2.1267	2.008/0.0791	.015/.0006 .064/.0025	21.33/0.840	F820	4	8292AL IH	**3M8292** Std. .25 .50 .75
2 (FI)	49.954/1.9667 49.969/1.9673	54.000/2.1260 54.018/2.1267	2.008/0.0791	.015/.0006 .064/.0025	25.96/1.022	F820	2	8293AL U/L	

Overflange length remains constant for standard and undersizes.

Small End

	20.000/0.7874 (Nominal)	21.994/0.8659 22.006/0.8664			24.13/0.950	F100	1	RB891	**RB891** Semi

EA63 engines are not fitted with small end bushes as Original Equipment. To reclaim (Recondition) conrods, the small end should be bored out to the housing sizes listed above.

ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**4**
1595cc (1.6) EA71 (OHV)			**H4**	**92mm x 60mm**	**Connecting Rod 29-31 ft.lbs/39-42 Nm**				
1595cc (1.6) EA71 (OHV)		**2**	**H4**	**92mm x 60mm**	**Main Bearing 17-20 ft.lbs/23-27 Nm** (8 mm bolts)				
1595cc (1.6) EA71 (OHV)		**3**	**H4**	**92mm x 60mm**	**Main Bearing 3-4 ft.lbs/4-5 Nm** (6 mm bolts) **Main Bearing 30-35 ft.lbs/40-48 Nm** (10 mm bolts)				
Rod									
	44.988/1.7712 45.000/1.7717	48.000/1.8898 48.016/1.8904	1.485/0.0585	.034/.0013 .078/.0031	13.63/0.537	F820	8	8291AL IH	**4B8291** Std. .25 .50 .75

SUBARU

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
4 (Cont'd.)									
	Main - for engines 1976-9/78 to Engine No. 76649.								
3M8292 Std. .25 .50 .75	1,3	49.954/1.9667 49.969/1.9673	54.000/2.1260 54.018/2.1267	2.008/0.0791	.015/.0006 .064/.0025	21.33/0.840	F820	4	8292AL IH
	2 (Fl)	49.954/1.9667 49.969/1.9673	54.000/2.1260 54.018/2.1267	2.008/0.0791	.015/.0006 .064/.0025	25.96/1.022	F820	2	8293AL U/L
	Overflange length remains constant for standard and undersizes.								
	Main - for engines 10/78-1987 from Engine No. 76650. (Locating notch on both halves in identical position).								
3M8293 Std. .25 .50 .75	1,3	49.954/1.9667 49.969/1.9673	54.000/2.1260 54.018/2.1267	2.008/0.0791	.015/.0006 .064/.0025	21.33/0.840	F820	4	8292AL IH
	2 (Fl)	49.954/1.9667 49.969/1.9673	54.000/2.1260 54.018/2.1267	2.008/0.0791	.015/.0006 .064/.0025	25.96/1.022	F820	2	8293AL L
	Overflange length remains constant for standard and undersizes.								
	Small End								
RB4051 Semi		21.000/0.8268 (Nominal)	22.924/0.9025 22.949/0.9035			24.25/0.955	F100	1	RB4051
	EA71 engines are not fitted with small end bushes as original equipment To reclaim (recondition) conrods, the small end should be bored out to the housing sizes listed above.								

5 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1781cc (1.8) EA81 (OHV)	**4**	**H4**	**92mm x 67mm**	**Connecting Rod 30-32 ft.lbs/40-43 Nm**
1781cc (1.8) EA81 (OHV)	**5**	**H4**	**92mm x 67mm**	**Main Bearing 17-20 ft.lbs/23-27 Nm** (8mm bolts)
1781cc (1.8) EA81T (OHV) Turbo	**5**	**H4**	**92mm x 67mm**	**Main Bearing 29-35 ft.lbs/40-47 Nm** (10 mm bolts) **Main Bearing 3-4 ft.lbs/4-5 Nm** (6 mm bolts)

	Rod								
4B8291 Std. .25 .50 .75		44.988/1.7712 45.000/1.7717	48.000/1.8898 48.016/1.8904	1.485/0.0585	.034/.0013 .078/.0031	13.63/0.537	F820	8	8291AL IH
	Main								
3M8294 Std. .25 .50 .75	1,3	54.955/2.1636 54.970/2.1642	59.000/2.3228 59.018/2.3235	2.020/0.0795	.010/.0004 .069/.0027	21.13/0.832	F820	4	8294AL IH
	2 (Fl)	54.955/2.1636 54.970/2.1642	59.000/2.3228 59.018/2.3235	2.020/0.0795	.010/.0004 .069/.0027	25.96/1.022	F820	2	8295AL IH
	*Overflange length increases for undersizes. *See below for dimensional information.*								

*** DIMENSIONAL INFORMATION FOR 3M8294**

	Overall Width (Nominal)	Increase in Width
.25 u/s shaft	1.026"/26.06mm	+0.004"/0.10mm
.50 u/s shaft	1.029"/26.14mm	+0.007"/0.18mm
.75 u/s shaft	1.032"/26.22 mm	+0.010"/0.26mm

6 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1781cc (1.8) EA82 (OHC)	**4**	**H4**	**92mm x 67mm**	**Connecting Rod 29-31 ft.lbs/39-42 Nm**
1781cc (1.8) EA82 (OHC) Turbo	**4**	**H4**	**92mm x 67mm**	**Main Bearing 17-20 ft.lbs/23-27 Nm** (8mm bolts only)
1781cc (1.8) EA82 (OHC)	**5**	**H4**	**92mm x 67mm**	**Main Bearing 29-35 ft.lbs/39-48 Nm** (10mm bolts only)
1781cc (1.8) EA82 (OHC) Turbo	**5**	**H4**	**92mm x 67mm**	
1781cc (1.8) EA82 (OHC)	**7**	**H4**	**92mm x 67mm**	
1781cc (1.8) EA82 (OHC) Turbo	**7**	**H4**	**92mm x 67mm**	

	Rod								
4B8290 Std. .25 .50 .75 1.0		44.996/1.7715 45.010/1.7720	48.000/1.8898 48.016/1.8904	1.490/0.0587	.010/.0004 .066/.0026	14.60/0.575	F780	8	8290 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 6
Main									
1,3	54.955/2.1636 54.970/2.1642	59.000/2.3228 59.018/2.3235	2.020/0.0795	.010/.0004 .069/.0027	21.13/0.832	F820	4	8294AL IH	**3M8294** Std. .25 .50 .75
2 (FI)	54.955/2.1636 54.970/2.1642	59.000/2.3228 59.018/2.3235	2.020/0.0795	.010/.0004 .069/.0027	25.96/1.022	F820	2	8295AL IH	

*Overflange length increases for undersizes. *See below for dimensional information.*

*** DIMENSIONAL INFORMATION FOR 3M8294**

	Overall Width (Nominal)	Increase in Width
.25 u/s shaft	1.026"/26.06mm	+0.004"/0.10mm
.50 u/s shaft	1.029"/26.14mm	+0.007"/0.18mm
.75 u/s shaft	1.032"/26.22 mm	+0.010"/0.26mm

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 7
1781cc (1.8) EJ18E	**2**	**H4**	**87.9mm x 75mm**	**Connecting Rod 32-34 ft.lbs/43-46 Nm**
1994cc (2.0) EJ20E		**H4**	**89.9mm x 78.5mm**	**Main Bearing 17-20 ft.lbs/23-27 Nm** (8mm bolts only)
1994cc (2.0) EJ20E	**2**	**H4**	**89.9mm x 78.5mm**	**Main Bearing 33-37 ft.lbs/44-50 Nm** (10mm bolts only)
1994cc (2.0) EJ20T Turbo	**2**	**H4**	**89.9mm x 78.5mm**	
1994cc (2.0) (EJ205) Turbo		**H4**	**89.9mm x 78.5mm**	
2212cc (2.2) EJ22E	**3**	**H4**	**89.9mm x 78.5mm**	
2212cc (2.2) EJ22E	**4**	**H4**	**89.9mm x 78.5mm**	
2212cc (2.2) EJ22E	**6**	**H4**	**89.9mm x 78.5mm**	
2212cc (2.2) EJ22T Turbo	**6**	**H4**	**89.9mm x 78.5mm**	
2212cc (2.2) (EJ222)	**4**	**H4**	**89.9mm x 78.5mm**	
2212cc (2.2) (EJ22E)	**4**	**H4**	**89.9mm x 78.5mm**	
2212cc (2.2) (EJ22EZ)	**4**	**H4**	**89.9mm x 78.5mm**	

Rod - Suits 52mm shaft size.									
	51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.500/0.0591	.015/.0006 .043/.0017	16.50/0.650	F780	8	8296 IH	**4B8296** Std. .25 .50 .75
Rod - Race Series - Suits 52mm shaft size.									
	51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.500/0.0591	.015/.0006 .052/.0020	16.50/0.650	F781	8	8296H IH	**4B8296H** Std. .025 .25 .50
Rod - Race Series - Suits 52mm shaft size. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.488/0.0586	.040/.0016 .077/.0030	16.50/0.650	F781	8	8296HX IH	**4B8296HX** Std.
Rod - Suits 48mm shaft size.									
	47.984/1.8891 48.000/1.8898	51.000/2.0079 (Nominal)	1.498/0.0590	.010/.0004 .038/.0015	15.63/0.615	F780	8	8320 IH	**4B8320** Std. .25 .50 .75 1.0
Rod - Race Series - Suits 48mm shaft size.									
	47.984/1.8891 48.000/1.8898	51.000/2.0079 (Nominal)	1.498/0.0590	.010/.0004 .038/.0015	15.63/0.615	F781	8	8320H IH	**4B8320H** Std. .025 .25 .50
Rod - Race Series - Suits 48mm shaft size. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	47.984/1.8891 48.000/1.8898	51.000/2.0079 (Nominal)	1.485/0.0585	.035/.0014 .063/.0025	15.63/0.615	F781	8	8320HX IH	**4B8320HX** Std.
Main - Suits engines with thrust bearing in #3 position.									
1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297 IH	**5M8297** Std. .25 .50 .75
2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298 IH	
3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	21.95/0.864	F780	2	8299 IH	

*Overflange length increases for undersizes. * See below for dimensional information.*

*** DIMENSIONAL INFORMATION FOR 5M8297**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	22.05 mm	+ 0.100 mm
0.50 mm u/s shaft	22.13 mm	+ 0.180 mm
0.75 mm u/s shaft	22.21 mm	+ 0.260 mm

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
7 (Cont'd.)									
	Main - Race Series. Suits engines with thrust bearing in #3 position.								
5M8297H Std. .025 .25 .50	1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297H IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298H IH
	3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	21.95/0.864	F780	2	8299H IH

*** DIMENSIONAL INFORMATION FOR 5M8297H**

	Overall Width (Nominal)	Increase in Width
0.025 mm u/s shaft	21.95 mm	STD size
0.25 mm u/s shaft	22.05 mm	+0.100 mm
0.50 mm u/s shaft	22.13 mm	+0.180 mm

	Main - Race Series. Suits engines with thrust bearing in #3 position. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M8297HX Std.	1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	19.00/0.748	F780	4	8297HX IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	15.12/0.595	F780	4	8298HX IH
	3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	21.95/0.864	F780	2	8299HX IH
	Main - Suits engines with thrust bearing in #5 position.								
5M8309 Std. .25 .50 .75	1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297 IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298 IH
	5 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	22.95/0.904	F780	2	8309 IH

*Overflange length increases for undersizes. * See below for dimensional information.*

*** DIMENSIONAL INFORMATION FOR 5M8309**

	Overall Width (Nominal)	Increase in Width
0.25mm u/s shaft	23.05 mm	+0.100 mm
0.50mm u/s shaft	23.13 mm	+0.180 mm
0.75mm u/s shaft	23.21 mm	+0.260 mm

	Main - Race Series. Suits engines with thrust bearing in #5 position.								
5M8309H Std. .025 .25 .50	1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297H IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298H IH
	5 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	22.95/0.904	F780	2	8309H IH

*** DIMENSIONAL INFORMATION FOR 5M8309H**

	Overall Width (Nominal)	Increase in Width
0.025mm u/s shaft	22.95 mm	STD size
0.25 mm u/s shaft	23.05 mm	+0.100 mm
0.50 mm u/s shaft	23.13 mm	+0.180 mm

	Main - Race Series. Suits engines with thrust bearing in #5 position. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M8309HX Std.	1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	19.00/0.748	F780	4	8297HX IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	15.12/0.595	F780	4	8298HX IH
	5 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	22.95/0.904	F780	2	8309HX IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
2458cc (2.5) EJ25D	**6**	**H4**	**99.5mm x 79mm**	**Connecting Rod 32-34 ft.lbs/43-46 Nm**
2458cc (2.5) (EJ251)		**H4**	**99.5mm x 79mm**	**Main Bearing 17-20 ft.lbs/23-27 Nm** (8mm bolts only)
2458cc (2.5) (EJ251)	**6**	**H4**	**99.5mm x 79mm**	**Main Bearing 33-37 ft.lbs/44-50 Nm** (10mm bolts only)
2458cc (2.5) (EJ252)	**6**	**H4**	**99.5mm x 79mm**	
2458cc (2.5) (EJ253)		**H4**	**99.5mm x 79mm**	
2458cc (2.5) (EJ255) Turbo		**H4**	**99.5mm x 79mm**	
2458cc (2.5) (EJ257) Turbo		**H4**	**99.5mm x 79mm**	
2458cc (2.5) (EJ25D)		**H4**	**99.5mm x 79mm**	
2458cc (2.5) (EJ25D)	**6**	**H4**	**99.5mm x 79mm**	

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Rod - Suits 52mm shaft size.

	51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.500/0.0591	.015/.0006 .043/.0017	16.50/0.650	F780	8	8296 IH	**4B8296** Std. .25 .50 .75

Rod - Race Series - Suits 52mm shaft size.

	51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.500/0.0591	.015/.0006 .052/.0020	16.50/0.650	F781	8	8296H IH	**4B8296H** Std. .025 .25 .50

Rod - Race Series - Suits 52mm shaft size. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.

	51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.488/0.0586	.040/.0016 .077/.0030	16.50/0.650	F781	8	8296HX IH	**4B8296HX** Std.

Rod - Suits 48mm shaft size.

	47.984/1.8891 48.000/1.8898	51.000/2.0079 (Nominal)	1.498/0.0590	.010/.0004 .038/.0015	15.63/0.615	F780	8	8320 IH	**4B8320** Std. .25 .50 .75 1.0

Rod - Race Series - Suits 48mm shaft size.

	47.984/1.8891 48.000/1.8898	51.000/2.0079 (Nominal)	1.498/0.0590	.010/.0004 .038/.0015	15.63/0.615	F781	8	8320H IH	**4B8320H** Std. .025 .25 .50

Rod - Race Series - Suits 48mm shaft size. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.

	47.984/1.8891 48.000/1.8898	51.000/2.0079 (Nominal)	1.485/0.0585	.035/.0014 .063/.0025	15.63/0.615	F781	8	8320HX IH	**4B8320HX** Std.

Main - Suits engines with thrust bearing in #3 position.

1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297 IH	**5M8297** Std. .25 .50 .75
2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298 IH	
3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	21.95/0.864	F780	2	8299 IH	

*Overflange length increases for undersizes. * See below for dimensional information.*

*** DIMENSIONAL INFORMATION FOR 5M8297**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	22.05 mm	+ 0.100 mm
0.50 mm u/s shaft	22.13 mm	+ 0.180 mm
0.75 mm u/s shaft	22.21 mm	+ 0.260 mm

Main - Race Series. Suits engines with thrust bearing in #3 position.

1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297H IH	**5M8297H** Std. .025 .25 .50
2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298H IH	
3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	21.95/0.864	F780	2	8299H IH	

*** DIMENSIONAL INFORMATION FOR 5M8297H**

	Overall Width (Nominal)	Increase in Width
0.025 mm u/s shaft	21.95 mm	STD size
0.25 mm u/s shaft	22.05 mm	+0.100 mm
0.50 mm u/s shaft	22.13 mm	+0.180 mm

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
8 (Cont'd.)									
	Main - Race Series. Suits engines with thrust bearing in #3 position. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M8297HX Std.	1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	19.00/0.748	F780	4	8297HX IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	15.12/0.595	F780	4	8298HX IH
	3 (Fl)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	21.95/0.864	F780	2	8299HX IH
	Main - Suits engines with thrust bearing in #5 position.								
5M8309 Std. .25 .50 .75	1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297 IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298 IH
	5 (Fl)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	22.95/0.904	F780	2	8309 IH
	*Overflange length increases for undersizes. * See below for dimensional information.*								

*** DIMENSIONAL INFORMATION FOR 5M8309**		
	Overall Width (Nominal)	**Increase in Width**
0.25mm u/s shaft	23.05 mm	+0.100 mm
0.50mm u/s shaft	23.13 mm	+0.180 mm
0.75mm u/s shaft	23.21 mm	+0.260 mm

	Main - Race Series. Suits engines with thrust bearing in #5 position.								
5M8309H Std. .025 .25 .50	1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297H IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298H IH
	5 (Fl)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	22.95/0.904	F780	2	8309H IH

*** DIMENSIONAL INFORMATION FOR 5M8309H**		
	Overall Width (Nominal)	**Increase in Width**
0.025mm u/s shaft	22.95 mm	STD size
0.25 mm u/s shaft	23.05 mm	+0.100 mm
0.50 mm u/s shaft	23.13 mm	+0.180 mm

	Main - Race Series. Suits engines with thrust bearing in #5 position. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M8309HX Std.	1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	19.00/0.748	F780	4	8297HX IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	15.12/0.595	F780	4	8298HX IH
	5 (Fl)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	22.95/0.904	F780	2	8309HX IH

SUBARU PERFORMANCE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1781cc (1.8).....	(EJ18)		H4		1
1994cc (2.0).....	(EJ20)		H4		2
1994cc (2.0).....	(EJ20T), Turbo		H4		2
2212cc (2.2).....	(EJ22)		H4		3
2212cc (2.2).....	(EJ22T), Turbo		H4		3
2458cc (2.5).....	(EJ25)		H4		4
2458cc (2.5).....	(EJ25T), Turbo		H4		4

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
1781cc (1.8) (EJ18)			**H4**	**87.9mm x 75mm**	**Connecting Rod 32-34 ft.lbs/43-46 Nm** **Main Bearing 17-20 ft.lbs/23-27 Nm** (8mm bolts only) **Main Bearing 33-37 ft.lbs/44-50 Nm** (10mm bolts only)				
Rod - Race Series - Suits 52mm shaft size.									
	51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.500/0.0591	.015/.0006 .052/.0020	16.50/0.650	F781	8	8296H IH	**4B8296H** Std. .025 .25 .50
Rod - Race Series - Suits 52mm shaft size. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
	51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.488/0.0586	.040/.0016 .077/.0030	16.50/0.650	F781	8	8296HX IH	**4B8296HX** Std.
Main - Suits engines with thrust bearing in #3 position. Race Series.									
1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297H IH	**5M8297H** Std. .025 .25 .50
2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298H IH	
3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	21.95/0.864	F780	2	8299H IH	

*Overflange length increases for undersizes. * See below for dimensional information.*

*** DIMENSIONAL INFORMATION FOR 5M8297H**

	Overall Width (Nominal)	Increase in Width
0.025 mm u/s shaft	21.95 mm	STD size
0.25 mm u/s shaft	22.05 mm	+0.100 mm
0.50 mm u/s shaft	22.13 mm	+0.180 mm

Main - Suits engines with thrust bearing in #3 position. Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	19.00/0.748	F780	4	8297HX IH	**5M8297HX** Std.
2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	15.12/0.595	F780	4	8298HX IH	
3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	21.95/0.864	F780	2	8299HX IH	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
1994cc (2.0) (EJ20) **1994cc (2.0) (EJ20T) Turbo**			**H4** **H4**	**89.9mm x 78.5mm** **89.9mm x 78.5mm**	**Connecting Rod 32-34 ft.lbs/43-46 Nm** **Main Bearing 17-20 ft.lbs/23-27 Nm** (8mm bolts only) **Main Bearing 33-37 ft.lbs/44-50 Nm** (10mm bolts only)				
Rod - Race Series - Suits 52mm shaft size.									
	51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.500/0.0591	.015/.0006 .052/.0020	16.50/0.650	F781	8	8296H IH	**4B8296H** Std. .025 .25 .50
Rod - Race Series - Suits 52mm shaft size. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.488/0.0586	.040/.0016 .077/.0030	16.50/0.650	F781	8	8296HX IH	**4B8296HX** Std.
Rod - Race Series - Suits 48mm shaft size.									
	47.984/1.8891 48.000/1.8898	51.000/2.0079 (Nominal)	1.498/0.0590	.010/.0004 .038/.0015	15.63/0.615	F781	8	8320H IH	**4B8320H** Std. .025 .25 .50
Rod - Race Series - Suits 48mm shaft size. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	47.984/1.8891 48.000/1.8898	51.000/2.0079 (Nominal)	1.485/0.0585	.035/.0014 .063/.0025	15.63/0.615	F781	8	8320HX IH	**4B8320HX** Std.

SUBARU PERFORMANCE

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	Main - Race Series. Suits engines with thrust bearing in #3 position.								
5M8297H Std. .025 .25 .50	1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297H IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298H IH
	3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	21.95/0.864	F780	2	8299H IH

*** DIMENSIONAL INFORMATION FOR 5M8297H**

	Overall Width (Nominal)	Increase in Width
0.025 mm u/s shaft	21.95 mm	STD size
0.25 mm u/s shaft	22.05 mm	+0.100 mm
0.50 mm u/s shaft	22.13 mm	+0.180 mm

	Main - Race Series. Suits engines with thrust bearing in #3 position. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M8297HX Std.	1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	19.00/0.748	F780	4	8297HX IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	15.12/0.595	F780	4	8298HX IH
	3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	21.95/0.864	F780	2	8299HX IH
	Main - Race Series. Suits engines with thrust bearing in #5 position.								
5M8309H Std. .025 .25 .50	1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297H IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298H IH
	5 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	22.95/0.904	F780	2	8309H IH

*** DIMENSIONAL INFORMATION FOR 5M8309H**

	Overall Width (Nominal)	Increase in Width
0.025mm u/s shaft	22.95 mm	STD size
0.25 mm u/s shaft	23.05 mm	+0.100 mm
0.50 mm u/s shaft	23.13 mm	+0.180 mm

	Main - Race Series. Suits engines with thrust bearing in #5 position. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M8309HX Std.	1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	19.00/0.748	F780	4	8297HX IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	15.12/0.595	F780	4	8298HX IH
	5 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	22.95/0.904	F780	2	8309HX IH

3 ENGINE — **VIN** — **CYL** — **Bore x Stroke** — **TORQUE SETTINGS**

2212cc (2.2) (EJ22)	**H4**	**96.9mm x 75mm**	**Connecting Rod 32-34 ft.lbs/43-46 Nm**
2212cc (2.2) (EJ22T) Turbo	**H4**	**96.9mm x 75mm**	**Main Bearing 17-20 ft.lbs/23-27 Nm** (8mm bolts only) **Main Bearing 33-37 ft.lbs/44-50 Nm** (10mm bolts only)

	Rod - Race Series - Suits 52mm shaft size.								
4B8296H Std. .025 .25 .50		51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.500/0.0591	.015/.0006 .052/.0020	16.50/0.650	F781	8	8296H IH
	Rod - Race Series - Suits 52mm shaft size. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
4B8296HX Std.		51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.488/0.0586	.040/.0016 .077/.0030	16.50/0.650	F781	8	8296HX IH
	Rod - Race Series - Suits 48mm shaft size.								
4B8320H Std. .025 .25 .50		47.984/1.8891 48.000/1.8898	51.000/2.0079 (Nominal)	1.498/0.0590	.010/.0004 .038/.0015	15.63/0.615	F781	8	8320H IH
	Rod - Race Series - Suits 48mm shaft size. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
4B8320HX Std.		47.984/1.8891 48.000/1.8898	51.000/2.0079 (Nominal)	1.485/0.0585	.035/.0014 .063/.0025	15.63/0.615	F781	8	8320HX IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 3
Main - Race Series. Suits engines with thrust bearing in #3 position.									
1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297H IH	**5M8297H** Std. .025 .25 .50
2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298H IH	
3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	21.95/0.864	F780	2	8299H IH	

*** DIMENSIONAL INFORMATION FOR 5M8297H**

	Overall Width (Nominal)	Increase in Width
0.025 mm u/s shaft	21.95 mm	STD size
0.25 mm u/s shaft	22.05 mm	+0.100 mm
0.50 mm u/s shaft	22.13 mm	+0.180 mm

Main - Race Series. Suits engines with thrust bearing in #3 position. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	19.00/0.748	F780	4	8297HX IH	**5M8297HX** Std.
2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	15.12/0.595	F780	4	8298HX IH	
3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	21.95/0.864	F780	2	8299HX IH	
Main - Race Series. Suits engines with thrust bearing in #5 position.									
1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297H IH	**5M8309H** Std. .025 .25 .50
2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298H IH	
5 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	22.95/0.904	F780	2	8309H IH	

*** DIMENSIONAL INFORMATION FOR 5M8309H**

	Overall Width (Nominal)	Increase in Width
0.025mm u/s shaft	22.95 mm	STD size
0.25 mm u/s shaft	23.05 mm	+0.100 mm
0.50 mm u/s shaft	23.13 mm	+0.180 mm

Main - Race Series. Suits engines with thrust bearing in #5 position. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	19.00/0.748	F780	4	8297HX IH	**5M8309HX** Std.
2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	15.12/0.595	F780	4	8298HX IH	
5 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	22.95/0.904	F780	2	8309HX IH	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2458cc (2.5) (EJ25)		**H4**	**99.5mm x 79mm**	**Connecting Rod 32-34 ft.lbs/43-46 Nm**	4
2458cc (2.5) (EJ25T) Turbo		**H4**	**99.5mm x 79mm**	**Main Bearing 17-20 ft.lbs/23-27 Nm** (Case bolts)	

Rod - Race Series - Suits 52mm shaft size.									
	51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.500/0.0591	.015/.0006 .052/.0020	16.50/0.650	F781	8	8296H IH	**4B8296H** Std. .025 .25 .50
Rod - Race Series - Suits 52mm shaft size. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	51.984/2.0466 52.000/2.0472	55.000/2.1654 55.020/2.1661	1.488/0.0586	.040/.0016 .077/.0030	16.50/0.650	F781	8	8296HX IH	**4B8296HX** Std.
Rod - Race Series - Suits 48mm shaft size.									
	47.984/1.8891 48.000/1.8898	51.000/2.0079 (Nominal)	1.498/0.0590	.010/.0004 .038/.0015	15.63/0.615	F781	8	8320H IH	**4B8320H** Std. .025 .25 .50
Rod - Race Series - Suits 48mm shaft size. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.									
	47.984/1.8891 48.000/1.8898	51.000/2.0079 (Nominal)	1.485/0.0585	.035/.0014 .063/.0025	15.63/0.615	F781	8	8320HX IH	**4B8320HX** Std.

SUBARU PERFORMANCE

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
4 (Cont'd.)									
	Main - Race Series. Suits engines with thrust bearing in #3 position.								
5M8297H Std. .025 .25 .50	1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297H IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298H IH
	3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	21.95/0.864	F780	2	8299H IH

*** DIMENSIONAL INFORMATION FOR 5M8297H**

	Overall Width (Nominal)	Increase in Width
0.025 mm u/s shaft	21.95 mm	STD size
0.25 mm u/s shaft	22.05 mm	+0.100 mm
0.50 mm u/s shaft	22.13 mm	+0.180 mm

	Main - Race Series. Suits engines with thrust bearing in #3 position. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M8297HX Std.	1,5	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	19.00/0.748	F780	4	8297HX IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	15.12/0.595	F780	4	8298HX IH
	3 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	21.95/0.864	F780	2	8299HX IH
	Main - Race Series. Suits engines with thrust bearing in #5 position.								
5M8309H Std. .025 .25 .50	1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	19.00/0.748	F780	4	8297H IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	15.12/0.595	F780	4	8298H IH
	5 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	2.005/0.0789	.010/.0004 .030/.0012	22.95/0.904	F780	2	8309H IH

*** DIMENSIONAL INFORMATION FOR 5M8309H**

	Overall Width (Nominal)	Increase in Width
0.025mm u/s shaft	22.95 mm	STD size
0.25 mm u/s shaft	23.05 mm	+0.100 mm
0.50 mm u/s shaft	23.13 mm	+0.180 mm

	Main - Race Series. Suits engines with thrust bearing in #5 position. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized cranks.								
5M8309HX Std.	1,3	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	19.00/0.748	F780	4	8297HX IH
	2,4	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	15.12/0.595	F780	4	8298HX IH
	5 (FI)	59.984/2.3616 60.000/2.3622	64.000/2.5197 64.020/2.5205	1.992/0.0784	.035/.0014 .055/.0022	22.95/0.904	F780	2	8309HX IH

SUZUKI ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
543cc (0.5).....	F5A		L3	77-89	1
797cc (0.8).....	F8A		L4	77-90	2
970cc (1.0).....	F10A		L4	82-90	2
61 993cc (1.0).....	G10		L3	80-85	3
61 993cc (1.0).....	G10	1	L3	81-81	3
61 993cc (1.0).....	G10	2	L3	83-83	3
61 993cc (1.0).....	G10	4	L3	86-94	3
61 993cc (1.0).....	G10T, Turbo	4	L3	87-88	3
61 993cc (1.0).....	G10	S	L3	85-88	3
79 1298cc (1.3).....	G13K DOHC		L4	89-94	4
79 1298cc (1.3).....	G13BA SOHC	2	L4	95-01	4
79 1298cc (1.3).....	G13BA SOHC	3	L4	85-95	4
81 1325cc (1.3).....	G13A SOHC	5	L4	85-89	4
97 1590cc (1.6).....	G16KC (8V)	0	L4	89-95	5
97 1590cc (1.6).....	G16KV (16V)	0	L4	92-98	5
97 1590cc (1.6).....	G16KV (16V)	1	L4	92-98	5
97 1590cc (1.6).....	G16KV (16V)	3	L4	95-00	5
97 1590cc (1.6).....	(G16KC)	0	L4	92-95	5
97 1590cc (1.6).....	(G16KV)	0	L4	93-95	5
1790cc (1.8).....	J18A		L4	99-99	6
1790cc (1.8).....	J18A	4	L4	00-02	6
1840cc (1.8).....	J18A	2	L4	96-98	6
2000cc (2.0).....	J20A		L4	99-05	7

SUZUKI MODEL INDEX

Model	CID	cc	Liter	Description	Years
AERIO		2000	2.0	J20A	02-03
AERIO - SX		2000	2.0	J20A	02-03
ESTEEM	97	1590	1.6	G16KV (16V)	00
		1790	1.8	J18A	99-02
ESTEEM - GL	97	1590	1.6	G16KV (16V)	95-98
ESTEEM - GLX	97	1590	1.6	G16KV (16V)	95-98
FORENZA		2000	2.0	J20A	04
FORENZA - EX		2000	2.0	J20A	05
FORENZA - LX		2000	2.0	J20A	05
FORENZA - S		2000	2.0	J20A	05
FORSA	61	993	1.0	G10	85-88
	61	993	1.0	G10T	87-88
FORSA - V	61	993	1.0	G10	87-88
LJ81	61	993	1.0	G10	81
SA310	61	993	1.0	G10	85
SAMURAI	79	1298	1.3	G13BA SOHC	90
	81	1325	1.3	G13A SOHC	85-89
SAMURAI - JA	79	1298	1.3	G13BA SOHC	91-93
SAMURAI - JL	79	1298	1.3	G13BA SOHC	91-95
SAMURAI - JS	79	1298	1.3	G13BA SOHC	91
SIDEKICK	81	1325	1.3	G13A SOHC	89
	97	1590	1.6	G16KC (8V)	89-93
	97	1590	1.6	G16KV (16V)	93
SIDEKICK - JA	97	1590	1.6	G16KV (16V)	96-98
SIDEKICK - JL	97	1590	1.6	G16KC (8V)	91
SIDEKICK - JLX	97	1590	1.6	G16KC (8V)	90-95
	97	1590	1.6	G16KV (16V)	92-95
SIDEKICK - JS	97	1590	1.6		93-95
	97	1590	1.6	G16KC (8V)	90-92
	97	1590	1.6	G16KV (16V)	92-98
SIDEKICK - JX	97	1590	1.6		92-94
	97	1590	1.6	G16KC (8V)	90-95
	97	1590	1.6	G16KV (16V)	92-98
SIDEKICK - SPORT		1840	1.8	J18A	96-98
SJ410	61	993	1.0	G10	80-84
SJ413	79	1298	1.3	G13BA SOHC	85
SWIFT	79	1298	1.3	G13BA SOHC	89-01
SWIFT - DLX	79	1298	1.3	G13BA SOHC	95-98
SWIFT - GA	61	993	1.0	G10	92-94
	79	1298	1.3	G13BA SOHC	90-98
SWIFT - GL	79	1298	1.3	G13BA SOHC	90-91
	97	1590	1.6	G16KV (16V)	92-93
SWIFT - GLX	79	1298	1.3	G13BA SOHC	91
	97	1590	1.6	G16KV (16V)	92-93
SWIFT - GS	79	1298	1.3	G13BA SOHC	92-94
SWIFT - GT	79	1298	1.3	G13BA SOHC	89-94
SWIFT - L	79	1298	1.3	G13BA SOHC	90-94
SWIFT - S	79	1298	1.3	G13BA SOHC	90
VITARA		2000	2.0	J20A	99-03
X-90 - JLX	97	1590	1.6	G16KV (16V)	96-98

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
543cc (0.5) F5A			**L3**	**62mm x 60mm**	**Connecting Rod 21-24 ft.lbs/28-32 Nm Main Bearing 41-44 ft.lbs/55-60 Nm**				
Rod									
	37.985/1.4955 38.000/1.4961	40.998/1.6141 41.017/1.6148	1.490/0.0587	.018/.0007 .068/.0027	18.00/0.709	F820	6	8341AL IH	**3B8341** Std. .25 .50 .75
Main									
1-4	39.980/1.5740 40.000/1.5748	44.000/1.7323 44.020/1.7331	1.990/0.0783	.020/.0008 .086/.0034	17.00/0.669	F780	8	8355 IH	**4M8355** Std. .25 .50
Thrust									
	47.100/1.8543 47.350/1.8642	62.550/2.4626 62.800/2.4724			2.52/0.099	F817	2	8355T IH	**1T8355** Std.
Set includes two pieces. Required with 4M8355 main set.									
Small End - not bored, single pieces.									
	15.970/0.6287 15.970/0.6287	18.000/0.7087 18.000/0.7087			21.50/0.847	F100	1	RB4075	**RB4075** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
797cc (0.8) F8A 970cc (1.0) F10A			**L4 L4**	**62mm x 66mm 65.5mm x 72mm**	**Connecting Rod 20-23 ft.lbs/27-31 Nm Main Bearing 32-35 ft.lbs/43-48 Nm**				
Rod									
	37.985/1.4955 38.000/1.4961	40.998/1.6141 41.017/1.6148	1.490/0.0587	.018/.0007 .068/.0027	18.00/0.709	F820	8	8341AL IH	**4B8341** Std. .25 .50 .75 1.0

SUZUKI

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
2 (Cont'd.)									
	Main								
5M8342 Std. .25 .50 .75 1.0	1-5	49.985/1.9679 50.000/1.9685	53.988/2.1255 54.008/2.1263	1.986/0.0782	.016/.0006 .067/.0026	20.00/0.787	F820	10	8342AL IH
	Thrust								
1T8342 Std.		57.000/2.2441 57.250/2.2539	72.380/2.8496 72.630/2.8594			2.50/0.098	F250	2	8342T IH
	Set includes two pieces. Required with 5M8342 main set.								
	Small End - not bored, single pieces.								
RB4075 Semi		15.970/0.6287 15.970/0.6287	18.000/0.7087 18.000/0.7087			21.50/0.847	F100	1	RB4075

3 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
61 993cc (1.0) G10		**L3**	**74mm x 77mm**	**Connecting Rod 24-27 ft.lbs/33-37 Nm**
61 993cc (1.0) G10	**1**	**L3**	**74mm x 77mm**	**Main Bearing 36-41 ft.lbs/49-56 Nm**
61 993cc (1.0) G10	**2**	**L3**	**74mm x 77mm**	
61 993cc (1.0) G10	**4**	**L3**	**74mm x 77mm**	
61 993cc (1.0) G10T Turbo	**4**	**L3**	**74mm x 77mm**	
61 993cc (1.0) G10	**S**	**L3**	**74mm x 77mm**	

	Rod								
3B8336 Std. .25 .50 .75 1.0		41.983/1.6529 41.999/1.6535	44.998/1.7716 45.018/1.7724	1.490/0.0587	.020/.0008 .068/.0027	18.00/0.709	F780	6	8336 IH
	Main								
4M8337 Std. .25 .50 .75 1.0	1-4	44.983/1.7710 44.998/1.7716	48.998/1.9291 49.018/1.9298	2.000/0.0787	.020/.0008 .068/.0027	18.00/0.709	F780	8	8337 U/L
	Thrust								
1T8337 Std.		52.250/2.0571 (Nominal I.D.)	67.900/2.6732 (Nominal O.D.)			2.52/0.099	F250	2	8337T IH
	Note: Set includes two pieces, use on No. 3 position. Required with 4M8337 main set.								

4 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
79 1298cc (1.3) G13K DOHC		**L4**	**74mm x 75.5mm**	**Connecting Rod 24-27 ft.lbs/33-37 Nm**
79 1298cc (1.3) G13BA SOHC	**2**	**L4**	**74mm x 75.5mm**	**Main Bearing 37-41 ft.lbs/50-56 Nm**
79 1298cc (1.3) G13BA SOHC	**3**	**L4**	**74mm x 75.5mm**	
81 1325cc (1.3) G13A SOHC	**5**	**L4**	**74mm x 77mm**	

	Rod								
4B8336 Std. .25 .50 .75 1.0		41.984/1.6529 41.999/1.6535	44.998/1.7716 45.018/1.7724	1.490/0.0587	.020/.0008 .068/.0027	18.00/0.709	F780	8	8336 IH
	Main								
5M8337 Std. .25 .50 .75 1.0	1-5	44.983/1.7710 44.998/1.7716	48.998/1.9291 49.018/1.9298	2.000/0.0787	.020/.0008 .068/.0027	18.00/0.709	F780	10	8337 U/L
	Thrust								
1T8337 Std.		52.250/2.0571 (Nominal I.D.)	67.900/2.6732 (Nominal O.D.)			2.52/0.099	F250	2	8337T IH
	Note: Set includes two pieces, use on No. 4 position. Required with 5M8337 main set.								

5 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
97 1590cc (1.6) G16KC (8V)	**0**	**L4**	**75mm x 90mm**	**Connecting Rod 24-27 ft.lbs/33-37 Nm**
97 1590cc (1.6) G16KV (16V)	**0**	**L4**	**75mm x 90mm**	**Main Bearing 37-41 ft.lbs/50-56 Nm**
97 1590cc (1.6) G16KV (16V)	**1**	**L4**	**75mm x 90mm**	
97 1590cc (1.6) G16KV (16V)	**3**	**L4**	**75mm x 90mm**	
97 1590cc (1.6) (G16KC)	**0**	**L4**	**75mm x 90mm**	
97 1590cc (1.6) (G16KV)	**0**	**L4**	**75mm x 90mm**	

	Rod								
4B8340 Std. .25 .50 .75 1.0		43.983/1.7316 44.000/1.7323	47.000/1.8504 47.020/1.8512	1.495/0.0589	.010/.0004 .076/.0030	18.10/0.713	F780	8	8340 IH
	Main								
5M8339 Std. .25 .50 .75 1.0	1-5	51.982/2.0465 52.000/2.0472	56.000/2.2047 56.018/2.2054	2.005/0.0789	.010/.0004 .072/.0028	18.10/0.713	F780	10	8339 U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 5
Thrust									
3	59.436/2.3400 59.690/2.3500	74.498/2.9330 74.752/2.9430			2.52/0.099	F817	2	8339T IH	**1T8339** Std.

Note: Set includes two pieces, use on No. 3 position. Required with 5M8339 main set.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
1790cc (1.8) J18A		**L4**	**84mm x 83mm**	**Connecting Rod 33 ft.lbs/45 Nm**	6
1790cc (1.8) J18A	**4**	**L4**	**84mm x 83mm**	**Main Bearing 20 ft.lbs/27 Nm** (8 mm bolt)	
1840cc (1.8) J18A	**2**	**L4**	**84mm x 83mm**	**Main Bearing 42 ft.lbs/58 Nm** (10 mm bolt)	

Rod									
	49.982/1.9678 50.000/1.9685	53.000/2.0866 53.018/2.0873	1.490/0.0587	.020/.0008 .076/.0030	16.13/0.635	F780	8	8306 IH	**4B8306** Std. .25 .50 .75
Main									
1-5	57.982/2.2828 58.000/2.2835	62.000/2.4409 62.018/2.4416	2.003/0.0789		19.12/0.753	F780	10	8307 U/L	**5M8307** Std. .25 .50 .75
Thrust									
	71.500/2.8150 (Nominal I.D.)	84.550/3.3287 (Nominal O.D.)			2.50/0.098	F817	2	8307T IH	**1T8307** Std.

Note: Set includes two pieces. Required with 5M8307 main set.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2000cc (2.0) J20A		**L4**	**84mm x 90mm**	**Main Bearing 20 ft.lbs** (10 mm bolt) **Main Bearing 44 ft.lbs** (8 mm bolt)	7

Rod									
	49.982/1.9678 50.000/1.9685	53.000/2.0866 53.018/2.0873	1.490/0.0587	.020/.0008 .076/.0030	16.13/0.635	F780	8	8306 IH	**4B8306** Std. .25 .50 .75
Main									
1-5	57.982/2.2828 58.000/2.2835	62.000/2.4409 62.018/2.4416	2.003/0.0789		19.12/0.753	F780	10	8307 U/L	**5M8307** Std. .25 .50 .75
Thrust									
	71.500/2.8150 (Nominal I.D.)	84.550/3.3287 (Nominal O.D.)			2.50/0.098	F817	2	8307T IH	**1T8307** Std.

Note: Set includes two pieces. Required with 5M8307 main set.

ACL Engine Bearings

TOYOTA ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
999cc (1.0).....	(Starlet) (1E)		L4	85-92	1
1077cc (1.1).....	(KC)		L4	68-69	2
1166cc (1.2).....	(3KC)		L4	69-73	2
1166cc (1.2).....	(3KC)	K	L4	74-79	2
1290cc (1.3).....	(4KC)	K	L4	81-82	2
1290cc (1.3).....	(4KE)	K	L4	83-84	2
1295cc (1.3).....	(Starlet) (2E)		L4	85-96	1
1332cc (1.3).....	16V DOHC (Starlet) (4EFE)		L4	96-99	1
1452cc (1.5).....	SOHC (1AC)	A	L4	80-80	3
1452cc (1.5).....	SOHC (3A)	A	L4	84-86	3
1452cc (1.5).....	SOHC (3AC)	A	L4	81-88	3
1456cc (1.5).....	12V SOHC (3E)	E	L4	87-90	4
1456cc (1.5).....	12V SOHC (3EE)	E	L4	90-94	4
1497cc (1.5).....	16V DOHC (5EFE)	C	L4	96-99	4
1497cc (1.5).....	16V DOHC (5EFE)	E	L4	92-95	4
1587cc (1.6).....	SOHC (4AC)	A	L4	83-87	3
1587cc (1.6).....	DOHC (4AF)	A	L4	88-89	5
1587cc (1.6).....	DOHC (4AFE)	A	L4	88-97	5
1587cc (1.6).....	DOHC (4AGE)	A	L4	89-91	5
1587cc (1.6).....	DOHC (4AGEC)	A	L4	85-87	5
1587cc (1.6).....	DOHC (4AGELC)	A	L4	85-89	5
1587cc (1.6).....	DOHC (4AGZE), Supercharged	A	L4	88-89	5
1587cc (1.6).....	SOHC (4ALC)	A	L4	84-88	3
1588cc (1.6).....	(2TC)		L4	71-73	6
1588cc (1.6).....	(2TC)	T	L4	74-79	6
1762cc (1.8).....	DOHC (7AFE)	A	L4	93-95	7
1762cc (1.8).....	DOHC (7AFE)	B	L4	96-97	7
1770cc (1.8).....	(3TC)	T	L4	80-82	6
1794cc (1.8).....	16V DOHC (1ZZFE)	R	L4	98-06	8
1795cc (1.8).....	16V DOHC (2ZZGE)		L4	00-06	9
1839cc (1.8).....	(1CLC),Diesel	C	L4	84-85	10
1839cc (1.8).....	(1CTLC), Turbo,Diesel	C	L4	84-86	10
1858cc (1.9).....	(8R)		L4	67-71	11
1858cc (1.9).....	(8RC)		L4	67-71	11
1898cc (1.9).....	(3RB)		L4	67-67	12
1898cc (1.9).....	(3RC)		L4	65-70	12
1968cc (2.0).....	(18RC)		L4	72-73	11
1968cc (2.0).....	(18RC)	R	L4	74-74	11
1974cc (2.0).....	(2CL),Diesel		L4	86-90	10
1974cc (2.0).....	(2CTLC), Turbo,Diesel	S	L4	86-86	10
1993cc (2.0).....	24V DOHC (1VZFE)		V6	87-95	13
1994cc (2.0).....	(5R)		L4	67-86	14
1995cc (2.0).....	SOHC (2SELC)	S	L4	83-86	15
1998cc (2.0).....	DOHC (1AZFE)		L4	01-03	17
1998cc (2.0).....	DOHC (3SFE)		L4	99-00	16
1998cc (2.0).....	DOHC (3SFE)	P	L4	96-98	16
1998cc (2.0).....	DOHC (3SFE)	S	L4	87-91	16
1998cc (2.0).....	DOHC (3SGELC)	S	L4	86-89	16
1998cc (2.0).....	DOHC (3SGTE), Turbo	S	L4	88-95	16
1998cc (2.0).....	OHV (3YEC)	Y	L4	84-85	18
2164cc (2.2).....	DOHC (5SFE)	S	L4	90-93	19
2164cc (2.2).....	DOHC (5SFE)		L4	99-01	19
2164cc (2.2).....	DOHC (5SFE)	G	L4	96-98	19
2164cc (2.2).....	DOHC (5SFE)	S	L4	90-95	19
2164cc (2.2).....	DOHC (5SNFE)		L4	00-01	19
2188cc (2.2).....	(L),Diesel	L	L4	78-88	20
2189cc (2.2).....	(20R)	R	L4	75-80	21
2237cc (2.2).....	OHV (4YEC)	Y	L4	86-89	18
2253cc (2.3).....	(2M)		L6	67-72	22
2336cc (2.3).....	Forklift (J),Diesel		L4	65-69	24
2366cc (2.4).....	(22R)	R	L4	81-90	21
2366cc (2.4).....	(22RE)	R	L4	89-95	21
2366cc (2.4).....	(22REC)	R	L4	83-89	21
2366cc (2.4).....	(22RTEC), Turbo	R	L4	85-88	21
2398cc (2.4).....	(2AZFE)		L4	01-06	25
2438cc (2.4).....	DOHC (2RZFE)		L4	99-04	23
2438cc (2.4).....	DOHC (2RZFE)	L	L4	96-98	23
2438cc (2.4).....	DOHC (2RZFE)	U	L4	95-95	23
2438cc (2.4).....	DOHC (2TZFE)	A	L4	91-95	23
2438cc (2.4).....	DOHC (2TZFZE), Supercharged	A	L4	94-95	23
2438cc (2.4).....	DOHC (2TZFZE), Supercharged	K	L4	96-97	23
2446cc (2.4).....	(2L),Diesel	L	L4	82-90	20
2446cc (2.4).....	(2LT), Turbo,Diesel	L	L4	83-90	20
2481cc (2.5).....	Forklift (2J),Diesel		L4	69-88	24
2496cc (2.5).....	DOHC (4VZFE)		V6	88-95	26
2508cc (2.5).....	24V DOHC	V	V6	92-92	13
2508cc (2.5).....	24V DOHC (2VZFE)	V	V6	88-91	13
2563cc (2.6).....	(4M)		L6	73-73	22
2563cc (2.6).....	(4M)	M	L6	74-79	22
2563cc (2.6).....	(4ME)	M	L6	79-80	22
2694cc (2.7).....	DOHC (3RZFE)		L4	99-04	23
2694cc (2.7).....	DOHC (3RZFE)	M	L4	96-98	23
2694cc (2.7).....	DOHC (3RZFE)	U	L4	94-95	23
2754cc (2.8).....	DOHC (5ME)	M	L6	81-82	27
2754cc (2.8).....	DOHC (5MGE)	M	L6	82-88	27
2771cc (2.8).....	Forklift (5P),Diesel		L4	76-88	24
2779cc (2.8).....	(3L),Diesel	L	L4	88-92	20
2954cc (3.0).....	DOHC (7MGE)	M	L6	86-92	28
2954cc (3.0).....	DOHC (7MGTE), Turbo	M	L6	87-92	28
2955cc (3.0).....	(5L),Diesel		L4	97-00	29
2959cc (3.0).....	SOHC (3VZE)	V	V6	88-95	26
2967cc (3.0).....	DOHC (3VZFE)	V	V6	92-93	26
2977cc (3.0).....	(11B),Diesel		L4	84-90	31
2977cc (3.0).....	(B),Diesel		L4	72-90	30
2995cc (3.0).....	(1MZFE)		V6	99-06	32
2995cc (3.0).....	(1MZFE)	F	V6	96-98	32
2995cc (3.0).....	(1MZFE)	G	V6	94-95	32
2997cc (3.0).....	(2JZGE)	D	L6	96-98	33
2997cc (3.0).....	(2JZGE)	J	L6	93-95	33
2997cc (3.0).....	(2JZGTE), Turbo	E	L6	96-98	33
2997cc (3.0).....	(2JZGTE), Turbo	J	L6	93-95	33
3168cc (3.2).....	(2B),Diesel		L4	77-82	34
3378cc (3.4).....	DOHC (5VZFE)		V6	99-04	26
3378cc (3.4).....	DOHC (5VZFE)	N	V6	96-98	26
3378cc (3.4).....	DOHC (5VZFE)	V	V6	95-95	26
3431cc (3.4).....	(13B),Diesel		L4	84-90	31
3431cc (3.4).....	(13BT), Turbo,Diesel		L4	84-90	31
209 3431cc (3.4)...	(3B),Diesel		L4	80-90	35
3576cc (3.6).....	(H),Diesel		L6	69-80	36
3660cc (3.7).....	(14B),Diesel		L4	88-90	31
3660cc (3.7).....	(14BT), Turbo,Diesel		L4	89-90	31
3878cc (3.9).....		F	L6	67-68	37
3878cc (3.9).....	(F)		L6	73-73	37
3878cc (3.9).....	(F)	F	L6	74-74	37
3878cc (3.9).....	(FJ)		L6	69-72	37
3956cc (4.0).....	(3FE)	F	L6	88-92	38
3980cc (4.0).....	(12H-T), Turbo,Diesel		L6	85-91	36
3980cc (4.0).....	(2H),Diesel		L6	80-91	36
4112cc (4.2).....	(1HD-FTE), Turbo,Diesel		L6	98-01	39
4112cc (4.2).....	(1HD-T), Turbo,Diesel		L6	88-97	39
4112cc (4.2).....	(1HZ),Diesel		L6	88-97	39
4227cc (4.2).....	(2F)	F	L6	75-87	37
4477cc (4.5).....	(1FZFE)	D	L6	93-95	40
4477cc (4.5).....	(1FZFE)	J	L6	96-97	40
285 4663cc (4.7)...	(2UZFE)		V8	99-06	41
285 4663cc (4.7)...	(2UZFE)	T	V8	98-98	41

TOYOTA MODEL INDEX

Model	CID	cc	Liter	Description	Years
		2754	2.8	DOHC	82
		2967	3.0	DOHC	92-93
4RUNNER		2366	2.4		84-85
		2694	2.7	DOHC	96-00
		3378	3.4	DOHC	98-02
	285	4663	4.7		03-04
4RUNNER - DLX		2366	2.4		86-89
		2959	3.0	SOHC	89
4RUNNER - LIMITED		3378	3.4	DOHC	96-97
4RUNNER - LIMITED	285	4663	4.7		05-06
4RUNNER - SPORT	285	4663	4.7		05-06
4RUNNER - SR5		2366	2.4		85-95
		2959	3.0	SOHC	88-95
		3378	3.4	DOHC	96-97
	285	4663	4.7		05-06
AVALON		2995	3.0		98-01
AVALON - XL		2995	3.0		95-04
AVALON - XLS		2995	3.0		95-04

TOYOTA MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
CAMRY		1998	2.0	DOHC	88-91
		2164	2.2	DOHC	98-01
		2164	2.2	DOHC (5SFE)	93
		2398	2.4		02-06
		2508	2.5	24V DOHC	92
		2995	3.0		98-05
CAMRY - CE		2164	2.2	DOHC	97
		2995	3.0		97
CAMRY - DLX		1839	1.8		84-86
		1974	2.0		86
		1995	2.0	SOHC	83-86
		1998	2.0	DOHC	87-91
		2164	2.2	DOHC	92
		2508	2.5	24V DOHC	88-91
CAMRY - DLX ALL TRAC		1998	2.0	DOHC	88-91
CAMRY - DX		2164	2.2	DOHC	93-96
CAMRY - LE		1995	2.0	SOHC	83-86
		1998	2.0	DOHC	87-91
		2164	2.2	DOHC	92-97
		2398	2.4		06
		2508	2.5	24V DOHC	88-92
		2995	3.0		94-06
CAMRY - LE ALL TRAC		1998	2.0	DOHC	88-91
CAMRY - SE		2398	2.4		06
		2995	3.0		94-95
CAMRY - XLE		2164	2.2	DOHC	92-97
		2398	2.4		06
		2995	3.0		94-06
CARINA		1588	1.6		72-73
CELICA		1794	1.8	16V DOHC	00
		1795	1.8	16V DOHC	00
		1968	2.0		72-74
		2164	2.2	DOHC	99
		2189	2.2		75-80
CELICA - ALL TRAC		1998	2.0	DOHC	88-92
CELICA - GT		1794	1.8	16V DOHC	01-05
		1998	2.0	DOHC	87-89
		2164	2.2	DOHC	90-98
		2366	2.4		81-85
CELICA - GTS		1795	1.8	16V DOHC	01-05
		2164	2.2	DOHC (5SFE)	90-92
		2366	2.4		83-85
CELICA - GTS ALL TRAC		1998	2.0	DOHC	93
CELICA - GTS SPORT		1998	2.0	DOHC	86-89
		2164	2.2	DOHC	90-93
CELICA - ST		1587	1.6	DOHC	90-93
		1762	1.8	DOHC	94-97
		1998	2.0	DOHC	87-89
		2366	2.4		81-85
CELICA - ST SPORT		1995	2.0	SOHC	86
COROLLA		1077	1.1		68-69
		1166	1.2		69-74
		1587	1.6	DOHC	90-97
		1587	1.6	SOHC	83
		1588	1.6		71-74
		1762	1.8	DOHC	97
		1770	1.8		80-82
		1794	1.8	16V DOHC	98-05
COROLLA - CE		1794	1.8	16V DOHC	06
COROLLA - CUSTOM		1166	1.2		77-79
		1588	1.6		79
COROLLA - DLX		1587	1.6	DOHC	88-92
		1587	1.6	SOHC	83-87
		1588	1.6		75-79
		1770	1.8		81-82
		1839	1.8		84-85
COROLLA - DLX ALL TRAC		1587	1.6	DOHC	88-92
COROLLA - DX		1587	1.6	DOHC	96
		1762	1.8	DOHC	93-97
COROLLA - FX		1587	1.6	SOHC	87-88
COROLLA - FX16		1587	1.6	DOHC	87-88
COROLLA - FX16 GTS		1587	1.6	DOHC	87-88
COROLLA - GTS		1587	1.6	DOHC	89-91
COROLLA - LE		1587	1.6	DOHC	88-92
		1587	1.6	SOHC	84-87
		1762	1.8	DOHC	93-95
COROLLA - LE		1794	1.8	16V DOHC	06
COROLLA - LE LTD		1587	1.6	SOHC	85-86
COROLLA - S		1794	1.8	16V DOHC	06
COROLLA - SPORT DLX		1587	1.6	SOHC	84-87
COROLLA - SPORT GTS		1587	1.6	DOHC	85-87
COROLLA - SPORT SR5		1587	1.6	SOHC	84-87
COROLLA - SR5		1587	1.6	DOHC	88-91
		1587	1.6	SOHC	83
		1588	1.6		75-79
		1770	1.8		81-82
COROLLA - SR5 ALL TRAC		1587	1.6	DOHC	88-91
COROLLA - XRS		1795	1.8	16V DOHC	05-06
CORONA		1858	1.9		71
		1898	1.9		67-70
		1968	2.0		72-74
		2189	2.2		79-80
CORONA - CUSTOM		2189	2.2		77-78
CORONA - DLX		2189	2.2		75-78
		2366	2.4		81-82
CORONA - LUXURY EDITION		2366	2.4		81-82
CORONA - MARK II		1858	1.9		69-71
		1968	2.0		72
CORONA - SR5		2189	2.2		75-76
CRESSIDA		2563	2.6		78-80
		2954	3.0	DOHC	89-92
CRESSIDA - LUXURY		2754	2.8	DOHC	83-88
		2954	3.0	DOHC	89-92
CROWN		2253	2.3		67-71
HIGHLANDER		2398	2.4		01-06
		2995	3.0		01-03
LAND CRUISER	209	3431	3.4		82-83
		3878	3.9		67-74
		3956	4.0		88-92
		4227	4.2		75-87
		4477	4.5		93-97
	285	4663	4.7		98-06
LAND CRUISER - BJ60LG-MK	209	3431	3.4		84-85
LAND CRUISER - BJ60LV-KK	209	3431	3.4		81
MARK II		2253	2.3		72
		2563	2.6		73-76
MATRIX		1794	1.8	16V DOHC	03-06
MATRIX - XR		1794	1.8	16V DOHC	03-06
MATRIX - XRS		1795	1.8	16V DOHC	03-06
MR2		1587	1.6	DOHC	85-89
		1998	2.0	DOHC	91-95
		2164	2.2	DOHC	91-95
MR2 SPYDER		1794	1.8	16V DOHC	00-05
PASEO		1497	1.5	16V DOHC	92-99
PASEO - CONVERTIBLE		1497	1.5	16V DOHC	97
PICKUP		1858	1.9		70-71
		1898	1.9		67-69
		1968	2.0		72-74
		2188	2.2		81
		2189	2.2		75-80
		2366	2.4		81-95
		2959	3.0	SOHC	88-93
PICKUP - DLX		2188	2.2		82-83
		2366	2.4		82-95
		2446	2.4		84-85
		2959	3.0	SOHC	88-95
PICKUP - S/B X/C DX		2446	2.4		85
PICKUP - SHT BD DLX EXC		2959	3.0	SOHC	91-92
PICKUP - SR5		2188	2.2		83
		2366	2.4		82-90
		2959	3.0	SOHC	88-95
PREVIA - DLX		2438	2.4	DOHC	91-95
PREVIA - DX		2438	2.4	DOHC	96-97
PREVIA - LE		2438	2.4	DOHC	91-97
RAV4		1998	2.0	DOHC	96-03
		2398	2.4		04-05

TOYOTA MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
RAV4 - 2-DOOR		1998	2.0	DOHC	96-97
SEQUOIA	285	4663	4.7		01-04
SEQUOIA - LIMITED	285	4663	4.7		05-06
SEQUOIA - SR5	285	4663	4.7		05-06
SIENNA		2995	3.0		98-03
SOLARA		2164	2.2	DOHC	99-01
		2398	2.4		02-04
		2995	3.0		99-03
SOLARA - SE		2398	2.4		05-06
SOLARA - SE SPORT		2398	2.4		06
SOLARA - SLE		2398	2.4		05-06
STARLET		1290	1.3		81-84
SUPRA		2563	2.6		79-80
		2754	2.8	DOHC	82-85
		2954	3.0	DOHC	86-92
		2997	3.0		93-98
SUPRA - TWIN TURBO		2997	3.0		96-98
T100		2694	2.7	DOHC	94-98
		2959	3.0	SOHC	93
		3378	3.4	DOHC	95-98
T100 - DLX		3378	3.4	DOHC	95
T100 - DLX EXC		3378	3.4	DOHC	95
T100 - ONE-TON		2959	3.0	SOHC	93
T100 - ONE-TON DLX		3378	3.4	DOHC	95
T100 - SR5		2959	3.0	SOHC	93-94
		3378	3.4	DOHC	95-97
TACOMA		2438	2.4	DOHC	95-04
TACOMA		2694	2.7	DOHC	95-04
		3378	3.4	DOHC	95-04
TACOMA - REGULAR CAB		2438	2.4	DOHC	95-97
		2694	2.7	DOHC	95-97
		3378	3.4	DOHC	95-97
TACOMA - SR5		3378	3.4	DOHC	95-97
TERCEL		1452	1.5	SOHC	80-86
		1456	1.5	12V SOHC	87-94
		1497	1.5	16V DOHC	95-96
TERCEL - CE		1497	1.5	16V DOHC	97-99
TERCEL - DLX		1452	1.5	SOHC	81-88
		1456	1.5	12V SOHC	87-94
TERCEL - DX		1497	1.5	16V DOHC	95-96
TERCEL - EZ		1456	1.5	12V SOHC	88-90
TERCEL - LE		1456	1.5	12V SOHC	91-93
TERCEL - SR5		1452	1.5	SOHC	81-88
TUNDRA		3378	3.4	DOHC	00-04
	285	4663	4.7		00-06
TUNDRA - LIMITED	285	4663	4.7		05-06
TUNDRA - SR5	285	4663	4.7		05-06
VAN - WAGON CRG		1998	2.0	OHV	84-85
		2237	2.2	OHV	86-89
VAN - WAGON DX		1998	2.0	OHV	84-85
		2237	2.2	OHV	86-89
VAN - WAGON LE		1998	2.0	OHV	84-85
		2237	2.2	OHV	86-89

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
999cc (1.0) (Starlet) (1E)				**L4**	**70.5mm x 64mm**				
1295cc (1.3) (Starlet) (2E)				**L4**	**73mm x 77.4mm**				
1332cc (1.3) 16V DOHC (Starlet) (4EFE)				**L4**	**77mm x 77.4mm**				
	Rod								
4B8390 Std. .25 .50 .75 1.0		39.985/1.5742 40.000/1.5748	43.001/1.6929 43.021/1.6937	1.491/0.0587	.019/.0007 .080/.0031	15.10/0.594	F780	8	8390 IH
	Main								
5M8392 Std. .25 .50	1-5	46.985/1.8498 47.000/1.8504	51.022/2.0087 51.036/2.0093	2.000/0.0787	.022/.0009 .077/.0030	16.00/0.630	F780	10	8392 U/L
	Thrust								
2T8392 Std.	3	52.750/2.0768 53.000/2.0866	64.250/2.5295 64.500/2.5394			2.49/0.098	F817	4	8392T U/L
Note: Set includes four pieces, use on No. 3 position. Required with 5M8392 main set.									
2 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1077cc (1.1) (KC)				**L4**	**75mm x 61mm**	**Connecting Rod 29-38 ft.lbs/39-52 Nm** (74-84 engines)			
1166cc (1.2) (3KC)				**L4**	**75mm x 66mm**				
1166cc (1.2) (3KC)			**K**	**L4**	**75mm x 66mm**	**Connecting Rod 34 ft.lbs/47 Nm** (68-73 engines)			
1290cc (1.3) (4KC)			**K**	**L4**	**75mm x 73mm**	**Main Bearing 39-48 ft.lbs/53-65 Nm** (74-84 engines)			
1290cc (1.3) (4KE)			**K**	**L4**	**75mm x 73mm**	**Main Bearing 44 ft.lbs/59 Nm** (68-73 engines)			
	Rod - for all engines (suits 4KE engines to 1984 as well).								
4B1101 Std. .25 .50 .75 1.0		41.976/1.6526 42.000/1.6535	44.999/1.7716 45.024/1.7726	1.496/0.0589	.008/.0003 .081/.0032	18.90/0.744	F780	8	1101 IH
	Main - for all engines up to 7/82 - full groove.								
5M1102 Std. .25 .50 .75 1.0	1,2,3,4, 5	49.976/1.9676 50.000/1.9685	54.000/2.1260 54.028/2.1271	1.996/0.0786	.008/.0003 .076/.0030	20.90/0.823	F820	10	1102AL IH
Non stock item. Check for availability.									

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 2
Main - for engines 7/83-84 - half groove.									
1-5	49.976/1.9676 50.000/1.9685	54.000/2.1260 54.028/2.1271	1.996/0.0786	.008/.0003 .076/.0030	20.90/0.823	F820	5	1102AL U	**5M1103** Std. .25 .50
1-5	46.976/1.8494 50.000/1.9685	54.000/2.1260 54.028/2.1271	1.996/0.0786	.008/.0003 .076/.0030	20.90/0.823	F820	5	1103AL L	
Non stock item. Check for availability.									
Thrust									
3	55.560/2.1874 55.820/2.1976	67.560/2.6598 67.820/2.6701			2.49/0.098	F250	4	8062T IH	**2T8062** Std.
Note: Set includes four pieces, use on No. 3 position. Required with 5M1102/5M1103 main set.									
Cam									
1	43.209/1.7011 43.225/1.7018	48.000/1.8898 48.025/1.8907	2.385/0.0939	.020/.0008 .071/.0028	17.90/0.705	F23	1	8066	**4C8066** Std.
2	42.959/1.6913 42.975/1.6919	47.500/1.8701 47.525/1.8711	2.260/0.0890	.020/.0008 .071/.0028	17.90/0.705	F23	1	8067	
3	42.709/1.6815 42.725/1.6821	47.000/1.8504 47.025/1.8514	2.133/0.0840	.020/.0008 .071/.0028	17.90/0.705	F23	1	8068	
4	42.459/1.6716 42.475/1.6722	46.500/1.8307 46.525/1.8317	2.006/0.0790	.020/.0008 .071/.0028	17.90/0.705	F23	1	8069	
Small End - not bored, single pieces.									
	17.986/0.7081 17.998/0.7086	20.000/0.7874 20.020/0.7882			24.89/0.980	F100	1	RB4037	**RB4037** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 3
1452cc (1.5) SOHC (1AC)	**A**	**L4**	**78mm x 77mm**	**Connecting Rod 26-32 ft.lbs/36-44 Nm** (3AC, 4AC, 4ALC engines only)
1452cc (1.5) SOHC (3A)	**A**	**L4**	**78mm x 77mm**	
1452cc (1.5) SOHC (3AC)	**A**	**L4**	**78mm x 77mm**	**Connecting Rod 36 ft.lbs/49 Nm** (1AC engine only)
1587cc (1.6) SOHC (4AC)	**A**	**L4**	**81mm x 77mm**	**Main Bearing 44 ft.lbs/59 Nm**
1587cc (1.6) SOHC (4ALC)	**A**	**L4**	**81mm x 77mm**	

Rod - for 1AC,3AC and 4AC engines 1980-10/83 only, with 3.95mm wide notch bearings only.									
	39.985/1.5742 40.000/1.5748	43.000/1.6929 43.024/1.6939	1.498/0.0590	.004/.0002 .069/.0027	17.10/0.673	F780	8	1690 IH	**4B1690** Std. .25 .50 .75
Rod - for 3AC and 4AC engines 11/83-88, and all 4ALC engines, with 2.95mm narrow notch bearings only.									
	39.985/1.5742 40.000/1.5748	43.000/1.6929 43.024/1.6939	1.498/0.0590	.005/.0002 .069/.0027	17.09/0.673	F810	8	1710A IH	**4B1710** Std. .25 .50 .75 1.0
Main - for all engines 10/83-88 - Half groove.									
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .084/.0033	19.90/0.783	F810	5	1695A L	**5M1695** Std. .25 .50 .75 1.0
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .084/.0033	19.90/0.783	F810	5	1704A U	
Main - for all engines from 1980-9/83 - Full groove.									
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .083/.0033	19.90/0.783	F810	10	1704A IH	**5M1704** Std. .25 .50 .75
Thrust									
3	53.500/2.1063 53.750/2.1161	65.750/2.5886 66.000/2.5984			2.49/0.098	F861	4	1695T U/L	**2T1695** Std.
Note: Set includes four pieces, use on No. 3 position. Required with 5M1704 & 5M1695 main sets.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 4
1456cc (1.5) 12V SOHC (3E)	**E**	**L4**	**73mm x 87mm**	**Connecting Rod 29 ft.lbs/39 Nm**
1456cc (1.5) 12V SOHC (3EE)	**E**	**L4**	**73mm x 87mm**	**Main Bearing 42 ft.lbs/57 Nm**
1497cc (1.5) 16V DOHC (5EFE)	**C**	**L4**	**74mm x 87mm**	
1497cc (1.5) 16V DOHC (5EFE)	**E**	**L4**	**74mm x 87mm**	

Rod									
	43.000/1.6929 43.015/1.6935	46.000/1.8110 46.020/1.8118	1.492/0.0587	.005/.0002 .051/.0020	15.10/0.595	F780	8	8380 IH	**4B8380** Std. .25 .50 .75 1.0

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
4 (Cont'd.)									
	Main								
5M8382 Std. .25 .50 .75 1.0	1-5	49.985/1.9679 50.000/1.9685	54.021/2.1268 54.041/2.1276	2.000/0.0787	.021/.0008 .082/.0032	16.00/0.630	F780	10	8382 U/L
	Thrust								
2T8382 Std.		55.560/2.1874 55.820/2.1976	67.560/2.6598 67.820/2.6701			2.49/0.098	F817	4	8382T U/L
	Set includes four pieces, use on No. 3 position. Required with 5M8382 main set.								
5 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
1587cc (1.6) DOHC (4AF)		**A**	**L4**	**81mm x 77mm**	**Connecting Rod 21 ft.lbs + 90 deg** (4AFE 1993-98 engines only)				
1587cc (1.6) DOHC (4AFE)		**A**	**L4**	**81mm x 77mm**					
1587cc (1.6) DOHC (4AGE)		**A**	**L4**	**81mm x 77mm**	**Connecting Rod 29 ft.lbs + 90 deg** (for 4AGE, 4AGELC, 4AFE (88-92) engines only)				
1587cc (1.6) DOHC (4AGEC)		**A**	**L4**	**81mm x 77mm**					
1587cc (1.6) DOHC (4AGELC)		**A**	**L4**	**81mm x 77mm**	**Connecting Rod 36 ft.lbs/49 Nm** (for 4AF, 4AGEC, 4AGZE engines only)				
1587cc (1.6) DOHC (4AGZE) Supercharged		**A**	**L4**	**81mm x 77mm**	**Main Bearing 44 ft.lbs/59 Nm**				
	Rod - for all 4AF/4AFE engines, and 4AGEC/4AGELC engines from 1985-7/87.								
4B1710 Std. .25 .50 .75 1.0		39.985/1.5742 40.000/1.5748	43.000/1.6929 43.024/1.6939	1.498/0.0590	.005/.0002 .069/.0027	17.09/0.673	F810	8	1710A IH
	Rod - for 4AGEC/4AGELC engines from 7/87-91, and all 4AGE/4AGZE engines.								
4B1780 Std. .25 .50 .75 1.0		41.986/1.6530 42.000/1.6535	45.001/1.7717 45.024/1.7726	1.490/0.0587	.020/.0008 .084/.0033	17.09/0.673	F780	8	1780 IH
	Main								
5M1695 Std. .25 .50 .75 1.0	1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .084/.0033	19.90/0.783	F810	5	1695A L
	1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .084/.0033	19.90/0.783	F810	5	1704A U
	Thrust								
2T1695 Std.	3	53.500/2.1063 53.750/2.1161	65.750/2.5886 66.000/2.5984			2.49/0.098	F861	4	1695T U/L
	Note: Set includes four pieces, use on No. 3 position. Required with 5M1695 main set.								
6 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
1588cc (1.6) (2TC)			**L4**	**85mm x 70mm**	**Connecting Rod 29-36 ft.lbs/39-49 Nm**				
1588cc (1.6) (2TC)		**T**	**L4**	**85mm x 70mm**	**Main Bearing 52-63 ft.lbs/71-85 Nm**				
1770cc (1.8) (3TC)		**T**	**L4**	**85mm x 78mm**					
	Rod								
4B1686 Std. 10 20 30 40		47.976/1.8888 48.000/1.8898	51.000/2.0079 51.024/2.0088	1.488/0.0586	.024/.0009 .098/.0039	19.84/0.781	F780	8	1686 IH
	Main								
5M1689 Std. .25 .50 .75 1.0	1-5	57.976/2.2825 58.000/2.2835	62.000/2.4409 62.024/2.4419	1.991/0.0784	.018/.0007 .092/.0036	20.82/0.820	F780	10	1689 IH
	Thrust								
2T1689 Std.	3	63.800/2.5118 64.060/2.5220	75.740/2.9819 76.000/2.9921			2.49/0.098	F250	4	1689T U/L
	Note : Set includes 4 pieces. Required with 5M1689 main set.								
	Cam								
5C8186 Std.	1	46.459/1.8291 46.482/1.8300	50.000/1.9685 50.020/1.9693	1.753/0.0690		18.00/0.709	F23	1	8186
	2	46.210/1.8193 46.225/1.8199	49.760/1.9591 49.780/1.9598	1.745/0.0687		16.00/0.630	F23	1	8046
	3	45.960/1.8094 45.975/1.8100	49.010/1.9295 49.030/1.9303	1.495/0.0588		18.00/0.709	F23	1	8047
	4	45.709/1.7996 45.725/1.8002	49.251/1.9390 49.271/1.9398	1.753/0.0690		16.00/0.630	F23	1	8189
	5	45.460/1.7898 45.475/1.7904	49.510/1.9492 49.530/1.9500	1.995/0.0687		18.00/0.709	F23	1	8049

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**7**
1762cc (1.8) DOHC (7AFE)		**A**	**L4**	**81mm x 85.5mm**	**Connecting Rod 18 ft.lbs + 90 deg**				
1762cc (1.8) DOHC (7AFE)		**B**	**L4**	**81mm x 85.5mm**	**Main Bearing 44 ft.lbs**				
Rod									
	47.988/1.8893 48.000/1.8898	51.000/2.0079 51.024/2.0088	1.490/0.0587	.020/.0008 .082/.0032	17.10/0.673	F780	8	1680 IH	**4B1680** Std. .25 .50 .75 1.0
Main - Half groove									
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .084/.0033	19.90/0.783	F810	5	1695A L	**5M1695** Std. .25 .50 .75 1.0
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.004/0.0789	.012/.0005 .084/.0033	19.90/0.783	F810	5	1704A U	
Thrust									
3	53.500/2.1063 53.750/2.1161	65.750/2.5886 66.000/2.5984			2.49/0.098	F861	4	1695T U/L	**2T1695** Std.

Note: Set includes four pieces, use on No. 3 position. Required with 5M1695 main sets.

ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**8**
1794cc (1.8) 16V DOHC (1ZZFE)		**R**	**L4**	**79mm x 91.5mm**	**Connecting Rod 15 ft.lbs + 90 deg** **Main Bearing +45 deg, +45 deg** Step 3 (12 point bolt) **Main Bearing 14 ft.lbs** 6 point bolt **Main Bearing 16 ft.lbs** Step 1 (12 point bolt) **Main Bearing 32 ft.lbs** Step 2 (12 point bolt)				
Rod - High Strength Aluminum Silicon material.									
	43.993/1.7320 44.000/1.7323	47.000/1.8504 47.023/1.8513	1.496/0.0589	.020/.0008 .043/.0017	15.70/0.618	F810	8	1851	**4B1851** Std. .25 .50 .75
Main - High Strength Aluminum Silicon material.									
1-5	47.986/1.8892 48.001/1.8898	52.000/2.0472 52.017/2.0479	2.007/0.0790	.015/.0006 .033/.0013	17.00/0.669	F810	10	1853 U/L	**5M1853** Std. .25 .50 .75
Thrust									
	53.600/2.1102 53.850/2.1201 (I.D.)	69.550/2.7382 69.800/2.7480 (O.D.)			2.48/0.098	F817	2	1853T IH	**1T1853** Std.

Set includes two pieces. Required with 5M1853 main set.

ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**9**
1795cc (1.8) 16V DOHC (2ZZGE)			**L4**	**82mm x 85mm**	**Connecting Rod 22 ft.lbs + 90 deg** **Main Bearing +45 deg, +45 deg** Step 3 **Main Bearing 16 ft.lbs** Step 1 **Main Bearing 32 ft.lbs** Step 2				
Rod - High Strength Aluminum Silicon material.									
	44.992/1.7713 45.000/1.7717	48.000/1.8898 48.024/1.8907	1.492/0.0587	.028/.0011 .052/.0020	16.00/0.630	F810	8	1856A IH	**4B1856** Std. .25 .50 .75 1.0
Main - High Strength Aluminum Silicon material.									
1-5	47.988/1.8893 48.000/1.8898	52.000/2.0472 52.016/2.0479	1.996/0.0786	.008/.0003 .052/.0020	17.00/0.669	F810	10	1857A U/L	**5M1857** Std. .25 .50 .75 1.0
Thrust									
	53.600/2.1102 53.850/2.1201 (I.D.)	69.550/2.7382 69.800/2.7480 (O.D.)			2.48/0.098	F817	2	1853T IH	**1T1853** Std.

Set includes two pieces. Required with 5M1857 main set.

ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**10**
1839cc (1.8) (1CLC) Diesel		**C**	**L4**	**83mm x 85mm**	**Connecting Rod 43-51 ft.lbs/58-69 Nm**				
1839cc (1.8) (1CTLC) Turbo Diesel		**C**	**L4**	**83mm x 85mm**	**Main Bearing 71-81 ft.lbs/97-110 Nm**				
1974cc (2.0) (2CL) Diesel			**L4**	**86mm x 85mm**					
1974cc (2.0) (2CTLC) Turbo Diesel		**S**	**L4**	**86mm x 85mm**					
Rod - for engines to 8/85 with 0.933" wide bearings.									
	50.480/1.9874 50.500/1.9882	53.504/2.1065 53.524/2.1072	1.482/0.0583	.040/.0016 .106/.0042	23.70/0.933	F780	8	8370 IH	**4B8370** Std. .25 .50 .75 1.0

TOYOTA

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
10 (Cont'd.)									
	Rod - for engines from 9/85 on with 0.744" wide bearings.								
4B8371 Std. .25 .50 .75 1.0		50.480/1.9874 50.500/1.9882	53.504/2.1065 53.524/2.1072	1.482/0.0583	.040/.0016 .106/.0042	18.90/0.744	F780	8	8371 IH
	Main - for engines to 8/85 with 0.866" wide bearings.								
5M8372 Std. .25 .50 .75 1.0	1-5	56.980/2.2433 57.000/2.2441	61.004/2.4017 61.024/2.4025	1.990/0.0783	.024/.0009 .089/.0035	22.00/0.866	F780	10	8372 U/L
	Main - for engines from 9/85 on with 0.787" wide bearings.								
5M8373 Std. .25 .50	1-5	56.980/2.2433 57.000/2.2441	61.004/2.4017 61.024/2.4025	1.990/0.0783	.024/.0009 .089/.0035	20.00/0.787	F780	10	8373 U/L
	Thrust								
2T8372 Std.	3	63.000/2.4803 63.250/2.4902	76.550/3.0138 76.800/3.0236			2.73/0.107	F817	4	8372T U/L
	Note: Set includes four pieces, use on No. 3 position. Required with 5M8372/5M8373 main sets.								
	Small End - single pieces, not bored. For engines 9/85 on.								
RB4097 Semi		27.000/1.0630 27.012/1.0635	30.000/1.1811 30.030/1.1823			28.00/1.102 (Tapered)	F100	1	RB4097

11 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1858cc (1.9) (8R)		**L4**	**86mm x 80mm**	**Connecting Rod 39-48 ft.lbs/53-65 Nm**
1858cc (1.9) (8RC)		**L4**	**86mm x 80mm**	**Main Bearing 69-83 ft.lbs/93-112 Nm**
1968cc (2.0) (18RC)		**L4**	**88.5mm x 80mm**	
1968cc (2.0) (18RC)	**R**	**L4**	**88.5mm x 80mm**	

	Rod								
4B1701 Std. 10 20 30 40 60		52.977/2.0857 53.000/2.0866	56.000/2.2047 56.022/2.2056	1.494/0.0588	.012/.0005 .083/.0033	22.00/0.866	F780	8	1701 IH
	Main - for engines with flanged bearings only.								
5M1697 Std. 10 20 30 40	1,2,4,5	59.976/2.3613 60.000/2.3622	64.000/2.5197 64.024/2.5206	2.000/0.0787	.001 .074/.0029	21.97/0.865	F780	8	1697 IH
	3 (Fl)	59.976/2.3613 60.000/2.3622	64.000/2.5197 64.024/2.5206	2.000/0.0787	.001 .074/.0029	35.98/1.417	F780	2	1698 IH
	Cam								
4C8076 Std.	1	34.972/1.3768 34.996/1.3778	38.014/1.4966 38.038/1.4976	1.504/0.0592	.010/.0004 .074/.0029	20.13/0.793	F23	1	8076 U
	1 (Fl)	34.972/1.3768 34.996/1.3778	38.014/1.4966 38.038/1.4976	1.504/0.0592	.010/.0004 .074/.0029	28.07/1.105	F23	1	8077 L
	2,3,4	34.972/1.3768 34.996/1.3778	38.014/1.4966 38.038/1.4976	1.504/0.0592	.010/.0004 .074/.0029	20.13/0.793	F23	6	8076 IH
	Balance Shaft								
2BS8286 Std.	1	45.950/1.8091 45.970/1.8098	49.980/1.9677 50.000/1.9685	2.000/0.0787		24.70/0.972	F23	1	8286
	2	40.950/1.6122 40.970/1.6130	44.981/1.7709 45.001/1.7717	2.000/0.0787		19.91/0.784	F23	1	8287
	Small End - single pieces.								
RB4028 Semi		21.987/0.8656 22.000/0.8661	24.000/0.9449 24.021/0.9457			28.70/1.130	F100	1	RB4028
	Bush has bore allowance on the ID.								
	Small End - single pieces.								
RB4028R Ream		21.987/0.8656 22.000/0.8661	24.000/0.9449 24.021/0.9457			28.70/1.130	F100	1	RB4028R
	Bush has ream allowance on the ID.								

12 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1898cc (1.9) (3RB)		**L4**	**88mm x 78mm**	**Connecting Rod 43-51 ft.lbs/58-69 Nm**
1898cc (1.9) (3RC)		**L4**	**88mm x 78mm**	**Main Bearing 75-80 ft.lbs/102-108 Nm**

	Rod								
4B2986 Std. 10 20 30 40		54.985/2.1648 55.000/2.1654	58.025/2.2844 58.045/2.2852	1.499/0.0590	.027/.0011 .089/.0035	30.98/1.220	F780	8	2986 U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 12
Main									
1	59.985/2.3616 60.000/2.3622	65.010/2.5594 65.040/2.5606	2.489/0.0980	.032/.0013 .103/.0041	27.99/1.102	F780	2	2987 U/L	**3M2987** Std. 10 20 30 40
2	59.985/2.3616 60.000/2.3622	65.010/2.5594 65.040/2.5606	2.489/0.0980	.032/.0013 .103/.0041	35.99/1.417	F780	2	2988 U/L	
3	59.985/2.3616 60.000/2.3622	65.010/2.5594 65.040/2.5606	2.489/0.0980	.032/.0013 .103/.0041	40.00/1.575	F780	2	2989 U/L	
Thrust									
	65.860/2.5929 66.120/2.6031	79.500/3.1299 79.760/3.1402			2.97/0.117	F1	4	7962T U/L	**2T7962** Std.
Note: Set includes four pieces, use on No. 3 position. Required with 3M2987 main set.									
Cam									
1	46.460/1.8291 46.475/1.8297	50.000/1.9685 50.025/1.9695	1.740/0.0685	.045/.0018 .135/.0053	29.21/1.150	F23	1	7966	**5C7969** Std.
2	46.210/1.8193 46.225/1.8199	50.000/1.9685 50.025/1.9695	1.867/0.0735	.041/.0016 .132/.0052	20.19/0.795	F23	1	7967	
3	45.960/1.8094 45.975/1.8100	50.000/1.9685 50.025/1.9695	1.994/0.0785	.037/.0015 .127/.0050	46.28/1.822	F23	1	7968	
4	45.710/1.7996 45.725/1.8002	50.000/1.9685 50.025/1.9695	2.121/0.0835	.038/.0015 .123/.0048	19.30/0.760	F23	1	7969	
5	45.460/1.7898 45.475/1.7904	50.000/1.9685 50.025/1.9695	2.248/0.0885	.030/.0012 .119/.0047	28.19/1.110	F23	1	7960	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
1993cc (2.0) 24V DOHC (1VZFE)		**V6**	**78mm x 69.5mm**	**Connecting Rod 18ft.lbs + 90 deg turn**	13
2508cc (2.5) 24V DOHC	**V**	**V6**	**87.5mm x 69.5mm**	**Main Bearing 45ft.lbs + 90 deg turn**	
2508cc (2.5) 24V DOHC (2VZFE)	**V**	**V6**	**87.5mm x 69.5mm**		

Rod									
	47.986/1.8892 48.000/1.8898	51.000/2.0079 51.024/2.0088	1.488/0.0586	.024/.0009 .089/.0035	17.00/0.669	F780	12	8040 IH	**6B8040** Std. .25 .50
Main - High Strength Aluminum Silicon material.									
2,3,4	63.985/2.5191 64.000/2.5197	68.010/2.6776 68.028/2.6783	1.990/0.0783	.030/.0012 .089/.0035	20.00/0.787	F810	6	8063A U/L	**4M8063A** Std. .25 .50 .75 1.0
1	63.985/2.5191 64.000/2.5197	68.010/2.6776 68.028/2.6783	1.990/0.0783	.030/.0012 .089/.0035	22.00/0.866	F810	2	8064A U/L	
Supercedes 4M8063.									
Thrust									
2	71.250/2.8051 71.500/2.8150	86.250/3.3957 86.500/3.4055			2.49/0.098	F817	4	8063T U/L	**2T8063** Std. +.25
Set includes four pieces, use on No. 2 position. Required with 4M8063 main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
1994cc (2.0) (5R)		**L4**	**88mm x 82.0mm**	**Connecting Rod 43-51 ft.lbs/58-69 Nm** **Main Bearing 76-80 ft.lbs/103-108 Nm**	14

Rod									
	54.985/2.1648 55.000/2.1654	58.025/2.2844 58.045/2.2852	1.499/0.0590	.027/.0011 .089/.0035	26.03/1.025	F780	8	2980 IH	**4B2980** Std. .25 .50 .75 1.0
Main - for engines 1969-78 with flanged bearings (from Engine Number 1200001).									
1	59.970/2.3610 60.000/2.3622	64.000/2.5197 64.030/2.5209	1.986/0.0782	.028/.0011 .114/.0045	27.81/1.095	F780	2	2977 IH	**3M2977** Std. 10 20 30 40 50 60
2 (FL)	59.970/2.3610 60.000/2.3622	64.000/2.5197 64.030/2.5209	1.986/0.0782	.028/.0011 .114/.0045	41.94/1.651	F780	2	2978 U/L	
3	59.970/2.3610 60.000/2.3622	64.000/2.5197 64.030/2.5209	1.986/0.0782	.028/.0011 .114/.0045	36.00/1.417	F780	2	2979 U/L	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
14 (Cont'd.)									
	Main - for engines from 1978-86 with thrustwashers.								
3M2984 Std. .25 .50 .75 1.0	1	59.985/2.3616 60.000/2.3622	64.000/2.5197 64.030/2.5209	1.990/0.0783	.020/.0008 .081/.0032	27.80/1.095	F820	2	2984AL IH
	2,3	59.985/2.3616 60.000/2.3622	64.000/2.5197 64.030/2.5209	1.990/0.0783	.020/.0008 .081/.0032	35.50/1.398	F820	4	2985AL IH
	Main - for engines 1967-68 with thrustwashers (up to Engine Number 1200000).								
3M2987 Std. 10 20 30 40	1	59.985/2.3616 60.000/2.3622	65.010/2.5594 65.040/2.5606	2.489/0.0980	.032/.0013 .103/.0041	27.99/1.102	F780	2	2987 U/L
	2	59.985/2.3616 60.000/2.3622	65.010/2.5594 65.040/2.5606	2.489/0.0980	.032/.0013 .103/.0041	35.99/1.417	F780	2	2988 U/L
	3	59.985/2.3616 60.000/2.3622	65.010/2.5594 65.040/2.5606	2.489/0.0980	.032/.0013 .103/.0041	40.00/1.575	F780	2	2989 U/L
	Thrust								
2T1703 Std.		66.250/2.6083 66.500/2.6181	79.750/3.1398 80.000/3.1496			1.99/0.078	F817	4	1703T U/L
	Note: Set includes four pieces, use on No. 2 position. Required with 3M2984 main set.								
	Thrust								
2T7962 Std.		65.860/2.5929 66.120/2.6031	79.500/3.1299 79.760/3.1402			2.97/0.117	F1	4	7962T U/L
	Note: Set includes four pieces, use on No. 3 position. Required with 3M2987 main set.								
	Cam - for engines 1969-86.								
5C7969 Std.	1	46.460/1.8291 46.475/1.8297	50.000/1.9685 50.025/1.9695	1.740/0.0685	.045/.0018 .135/.0053	29.21/1.150	F23	1	7966
	2	46.210/1.8193 46.225/1.8199	50.000/1.9685 50.025/1.9695	1.867/0.0735	.041/.0016 .132/.0052	20.19/0.795	F23	1	7967
	3	45.960/1.8094 45.975/1.8100	50.000/1.9685 50.025/1.9695	1.994/0.0785	.037/.0015 .127/.0050	46.28/1.822	F23	1	7968
	4	45.710/1.7996 45.725/1.8002	50.000/1.9685 50.025/1.9695	2.121/0.0835	.038/.0015 .123/.0048	19.30/0.760	F23	1	7969
	5	45.460/1.7898 45.475/1.7904	50.000/1.9685 50.025/1.9695	2.248/0.0885	.030/.0012 .119/.0047	28.19/1.110	F23	1	7960
	Small End - not bored, single pieces.								
RB4040 Semi		21.997/0.8660 22.009/0.8665	24.000/0.9449 24.021/0.9457			30.98/1.220	F100	1	RB4040

15 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1995cc (2.0) SOHC (2SELC)	**S**	**L4**	**84mm x 90mm**	**Connecting Rod 33-38 ft.lbs/45-52 Nm Main Bearing 40-47 ft.lbs/54-64 Nm**

	Rod								
4B8360 Std. .25 .50 .75 1.0		47.985/1.8892 48.000/1.8898	51.000/2.0079 51.024/2.0088	1.488/0.0586	.024/.0009 .089/.0035	20.50/0.807	F780	8	8360 IH
	Main								
5M8361 Std. .25 .50 .75	1,2,4,5	54.985/2.1648 55.000/2.1654	59.020/2.3236 59.038/2.3243	2.000/0.0787	.020/.0008 .079/.0031	19.20/0.756	F810	8	8361A U/L
	3	54.985/2.1648 55.000/2.1654	59.020/2.3236 59.038/2.3243	1.995/0.0785	.030/.0012 .089/.0035	23.00/0.906	F810	2	8362A U/L
	Thrust								
2T1689 Std.	3	63.800/2.5118 64.060/2.5220	75.740/2.9819 76.000/2.9921			2.49/0.098	F250	4	1689T U/L
	Note: Set includes four pieces, use on No. 3 position. Required with 5M8361 main set.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**16**
1998cc (2.0) DOHC (3SFE)			**L4**	**86mm x 86mm**	**Connecting Rod 18ft.lbs + 90deg/25Nm + 90deg** (3SGTE & 1996-99 3SFE engines)				
1998cc (2.0) DOHC (3SFE)		**P**	**L4**	**86mm x 86mm**					
1998cc (2.0) DOHC (3SFE)		**S**	**L4**	**86mm x 86mm**	**Connecting Rod 36 ft.lbs/49 Nm** (1986-90 engines)				
1998cc (2.0) DOHC (3SGELC)		**S**	**L4**	**86mm x 86mm**	**Connecting Rod 49 ft.lbs/66 Nm** (1991 3SFE engines)				
1998cc (2.0) DOHC (3SGTE) Turbo		**S**	**L4**	**86mm x 86mm**	**Main Bearing 43 ft.lbs/58 Nm**				
Rod - for 3SFE engines from 1986-91 only.									
	47.985/1.8892 48.000/1.8898	51.000/2.0079 51.024/2.0088	1.488/0.0586	.024/.0009 .089/.0035	20.50/0.807	F780	8	8360 IH	**4B8360** Std. .25 .50 .75 1.0
Rod - for 3SFE engines from 1996-00 only.									
	51.985/2.0466 52.000/2.0472	55.000/2.1654 55.024/2.1663	1.488/0.0586	.024/.0009 .089/.0035	20.50/0.807	F810	8	8365A IH	**4B8365** Std. .25 .50 .75 1.0
Rod - for 3SGELC/3SGTE engines only.									
	47.985/1.8892 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.488/0.0586	.028/.0011 .079/.0031	21.30/0.839	F780	8	8366 IH	**4B8366** Std. .25 .50 .75 1.0
Main									
1,2,4,5	54.985/2.1648 55.000/2.1654	59.020/2.3236 59.038/2.3243	2.000/0.0787	.020/.0008 .079/.0031	19.20/0.756	F810	8	8361A U/L	**5M8361** Std. .25 .50 .75
3	54.985/2.1648 55.000/2.1654	59.020/2.3236 59.038/2.3243	1.995/0.0785	.030/.0012 .089/.0035	23.00/0.906	F810	2	8362A U/L	
Thrust									
3	63.800/2.5118 64.060/2.5220	75.740/2.9819 76.000/2.9921			2.49/0.098	F250	4	1689T U/L	**2T1689** Std.
Note: Set includes four pieces, use on No. 3 position. Required with 5M8361 main set.									
Small End - not bored, single pieces.									
	21.977/0.8652 22.009/0.8665	23.980/0.9441 24.000/0.9449			26.40/1.039	F100	1	RB4087	**RB4087** Semi
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**17**
1998cc (2.0) DOHC (1AZFE)			**L4**	**86mm x 86mm**	**Connecting Rod 18 ft.lbs + 90 deg** **Main Bearing 15 ft.lbs** Step 1 **Main Bearing 30 ft.lbs + 90 deg** Step 2				
Rod									
	47.990/1.8894 48.000/1.8898	51.000/2.0079 51.020/2.0087	1.490/0.0587	.024/.0009 .048/.0019	15.60/0.614	F810	8	8411A IH	**4B8411A** Std. .25 .50 .75 1.0
Main									
1-5	54.988/2.1649 55.000/2.1654	59.000/2.3228 59.016/2.3235	1.996/0.0786	.008/.0003 .052/.0020	17.00/0.669	F810	10	8412A U/L	**5M8412A** Std. .25 .50 .75 1.0
Thrust									
	60.500/2.3819 60.750/2.3917	77.750/3.0610 78.000/3.0709			1.98/0.078	F817	2	8412T U	**1T8412** Std.
Note: Set includes four pieces. Required with 5M8412A main set.									
Cam									
	35.971/1.4162 35.985/1.4167	40.000/1.5748 40.025/1.5758	2.004/0.0789	.007/.0003 .038/.0015	22.60/0.890	F810	1	8415A U	**1C8415A** Std.
(F)	35.971/1.4162 35.985/1.4167	40.000/1.5748 40.025/1.5758	2.004/0.0789	.007/.0003 .038/.0015	23.60/0.929	F810	1	8417A L	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**18**
1998cc (2.0) OHV (3YEC)		**Y**	**L4**	**86mm x 86mm**	**Connecting Rod 36 ft.lbs/49 Nm**				
2237cc (2.2) OHV (4YEC)		**Y**	**L4**	**91mm x 86mm**	**Main Bearing 58 ft.lbs/79 Nm**				
Rod									
	47.985/1.8892 48.000/1.8898	51.020/2.0087 (Nominal)	1.492/0.0587	.016/.0006 .076/.0030	19.90/0.783	F810	8	8281A IH	**4B8281** Std. .25 .50 .75 1.0
Main									
1-5	57.985/2.2829 58.000/2.2835	62.004/2.4411 62.020/2.4417	1.990/0.0783	.020/.0008 .085/.0033	20.82/0.820	F810	10	8282A U/L	**5M8282** Std. .25 .50 .75 1.0

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
18 (Cont'd.)									
	Thrust								
2T1689 Std.	3	63.800/2.5118 64.060/2.5220	75.740/2.9819 76.000/2.9921			2.49/0.098	F250	4	1689T U/L
	Note: Set includes four pieces, use on No. 3 position. Required with 5M8282 main set.								
	Cam								
5C8045 Std.	1	46.475/1.8297 46.475/1.8297	50.000/1.9685 50.030/1.9697	1.750/0.0689		18.00/0.709	F23	1	8045
	2	46.225/1.8199 46.225/1.8199	49.750/1.9587 49.780/1.9598	1.750/0.0689		16.00/0.630	F23	1	8046
	3	45.975/1.8100 45.975/1.8100	49.000/1.9291 49.030/1.9303	1.500/0.0591		18.00/0.709	F23	1	8047
	4	45.725/1.8002 45.725/1.8002	49.250/1.9390 49.280/1.9402	1.750/0.0689		16.00/0.630	F23	1	8048
	5	45.475/1.7904 45.475/1.7904	49.500/1.9488 49.530/1.9500	2.000/0.0787		18.00/0.709	F23	1	8049

19 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2164cc (2.2) DOHC (5SFE)	**S**	**L4**	**87mm x 91mm**	**Connecting Rod 18ft.lbs/25Nm + 90deg**
2164cc (2.2) DOHC (5SFE)		**L4**	**87mm x 91mm**	**Main Bearing 43 ft.lbs/58 Nm**
2164cc (2.2) DOHC (5SFE)	**G**	**L4**	**87mm x 91mm**	
2164cc (2.2) DOHC (5SFE)	**S**	**L4**	**87mm x 91mm**	
2164cc (2.2) DOHC (5SNFE)		**L4**	**87mm x 91mm**	

	Rod								
4B8365 Std. .25 .50 .75 1.0		51.985/2.0466 52.000/2.0472	55.000/2.1654 55.024/2.1663	1.488/0.0586	.024/.0009 .089/.0035	20.50/0.807	F810	8	8365A IH
	Main								
5M8361 Std. .25 .50 .75	1,2,4,5	54.985/2.1648 55.000/2.1654	59.020/2.3236 59.038/2.3243	2.000/0.0787	.020/.0008 .079/.0031	19.20/0.756	F810	8	8361A U/L
	3	54.985/2.1648 55.000/2.1654	59.020/2.3236 59.038/2.3243	1.995/0.0785	.030/.0012 .089/.0035	23.00/0.906	F810	2	8362A U/L
	Thrust								
2T1689 Std.	3	63.800/2.5118 64.060/2.5220	75.740/2.9819 76.000/2.9921			2.49/0.098	F250	4	1689T U/L
	Note: Set includes four pieces, use on No. 3 position. Required with 5M8361 main set.								
	Small End - not bored, single pieces.								
RB4087 Semi		21.977/0.8652 22.009/0.8665	23.980/0.9441 24.000/0.9449			26.40/1.039	F100	1	RB4087

20 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2188cc (2.2) (L) Diesel	**L**	**L4**	**90mm x 86mm**	**Connecting Rod 37-43 ft.lbs/50-58 Nm**
2446cc (2.4) (2L) Diesel	**L**	**L4**	**92mm x 92mm**	**Main Bearing 71-81 ft.lbs/97-110 Nm**
2446cc (2.4) (2LT) Turbo Diesel	**L**	**L4**	**92mm x 92mm**	
2779cc (2.8) (3L) Diesel	**L**	**L4**	**96mm x 96mm**	

	Rod - for 2L (8/82-8/83 with 55mm journal size), and all 2LT & 3L engines only.								
4B1720 Std. 10 20 30 40		54.985/2.1648 55.000/2.1654	58.004/2.2836 58.024/2.2844	1.486/0.0585	.032/.0013 .093/.0037	26.00/1.024	F810	8	1720A IH
	Rod - for L engines 10/77-2/82 only.								
4B1726 Std. 10 20 30 40		52.988/2.0861 53.000/2.0866	56.004/2.2049 56.024/2.2057	1.485/0.0585	.034/.0013 .092/.0036	25.90/1.020	F780	8	1726 IH
	Rod - for L (2/82-8/88), 2L (2/82 on with 53 mm journal size) engines only.								
4B1730 Std. 10 20 30 40		52.988/2.0861 53.000/2.0866	56.000/2.2047 56.020/2.2055	1.485/0.0585	.030/.0012 .088/.0035	25.90/1.020	F780	8	1730 IH
	Main - for L (10/77-4/83) & 2L (2/82-8/83) engines only, full groove.								
5M1727 Std. 10 20 30 40	1-5	61.980/2.4402 62.000/2.4409	66.000/2.5984 66.020/2.5992	1.986/0.0782	.028/.0011 .094/.0037	27.56/1.085	F810	10	1727A IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 20
Main - for L (4/83-8/88), 2L (8/83 on), 2LT (8/83 on) and all 3L engines - half groove.									
1-5	61.980/2.4402 62.000/2.4409	66.000/2.5984 66.020/2.5992	1.986/0.0782	.028/.0011 .094/.0037	27.56/1.085	F810	5	1727A U	**5M1728** Std. 10 20 30 40
1-5	61.980/2.4402 62.000/2.4409	66.000/2.5984 66.020/2.5992	1.986/0.0782	.028/.0011 .094/.0037	27.56/1.085	F810	5	1728A L	
Thrust									
3	70.000/2.7559 70.250/2.7657	81.450/3.2067 81.700/3.2165			2.49/0.098	F861	4	1727T U/L	**2T1727** Std.
Note: Set includes four pieces, use on No. 3 position. Required with 5M1727/5M1728 main sets.									
Cam - for all L engines, 2L (2/82-7/88) and 2LT (8/82-8/88) engines only.									
1	34.966/1.3766 34.972/1.3768	38.014/1.4966 38.038/1.4976	1.504/0.0592	.010/.0004 .074/.0029	20.13/0.793	F820	1	8074 U	**3C8074** Std.
1 (F)	34.966/1.3766 34.972/1.3768	38.014/1.4966 38.038/1.4976	1.504/0.0592	.010/.0004 .074/.0029	28.07/1.105	F820	1	8075 L	
2,3	34.966/1.3766 34.972/1.3768	38.014/1.4966 38.038/1.4976	1.504/0.0592	.010/.0004 .074/.0029	20.13/0.793	F820	4	8074 U/L	
Cam - for 2L (8/88 on), 2LT (8/88 on) and all 3L engines only.									
1 (FI)	34.969/1.3767 34.985/1.3774	38.014/1.4966 38.038/1.4976	1.504/0.0592	.021/.0008 .077/.0030	32.60/1.283		1	8094	**5C8094** Std.
2-5	27.969/1.1011 27.985/1.1018	31.014/1.2210 31.038/1.2220	1.504/0.0592	.021/.0008 .077/.0030	17.50/0.689		4	8095	
Small End - for all L and 2L (2/82-8/88) engines only - not bored, single pieces.									
	27.000/1.0630 27.012/1.0635	30.000/1.1811 30.021/1.1819			30.02/1.182	F100	1	RB4023	**RB4023** Semi
Small End - for 2LT (8/83-8/88) engines only.									
		32.000/1.2598 32.020/1.2606			30.50/1.201	F100	1	RB4080	**RB4080** Semi
Small End - for 2LT engine 08/88 on, and all 3L engines - not bored, single pieces.									
		32.000/1.2598 32.020/1.2606			30.50/1.201 (Tapered)	F100	1	RB4093	**RB4093** Semi
Small End - for 2L (8/88 on) engines only.									
		30.000/1.1811 30.021/1.1819			31.00/1.220 (Tapered)	F100	1	RB4100	**RB4100** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 21
2189cc (2.2) (20R)	**R**	**L4**	**88.4mm x 88.9mm**	**Connecting Rod 42-48 ft.lbs/57-65 Nm**
2366cc (2.4) (22R)	**R**	**L4**	**92mm x 89mm**	(20R/22REC/22RTEC engines only)
2366cc (2.4) (22RE)	**R**	**L4**	**92mm x 89mm**	**Connecting Rod 51 ft.lbs/69 Nm** (22R/22RE engines only)
2366cc (2.4) (22REC)	**R**	**L4**	**92mm x 89mm**	**Main Bearing 72-80 ft.lbs/98-109 Nm**
2366cc (2.4) (22RTEC) Turbo	**R**	**L4**	**92mm x 89mm**	

Rod									
	52.977/2.0857 53.000/2.0866	56.000/2.2047 56.022/2.2056	1.494/0.0588	.012/.0005 .083/.0033	22.00/0.866	F780	8	1701 IH	**4B1701** Std. 10 20 30 40 60
Main - for engines 1975-2/82 only.									
1,2,4,5	59.976/2.3613 60.000/2.3622	64.000/2.5197 64.024/2.5206	2.000/0.0787	.010/.0004 .074/.0029	21.97/0.865	F780	8	1697 IH	**5M1703** Std. 10 20 30 40
3	59.976/2.3613 60.000/2.3622	64.000/2.5197 64.024/2.5206	2.000/0.0787	.010/.0004 .074/.0029	24.00/0.945	F780	2	1703 IH	
Main - for engines 3/82-95 only.									
1-5	59.976/2.3613 60.000/2.3622	64.000/2.5197 64.024/2.5206	2.000/0.0787	.015/.0006 .075/.0030	21.97/0.865	F780	5	1697 U	**5M1705** Std. 10 20 30 40 60
1-5	59.976/2.3613 60.000/2.3622	64.000/2.5197 64.024/2.5206	2.000/0.0787	.015/.0006 .075/.0030	21.97/0.865	F780	5	1703 L	
Thrust - for engines 1975-4/84 only.									
	66.250/2.6083 66.500/2.6181	79.750/3.1398 80.000/3.1496			1.99/0.078	F817	4	1703T U/L	**2T1703** Std.
Thrust - for engines 4/84-95 only.									
3	66.250/2.6083 66.500/2.6181	79.750/3.1398 80.000/3.1496			2.74/0.108	F817	4	1705T U/L	**2T1705** Std. +.25

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
21 (Cont'd.)									
	Balance Shaft - for engines 1975-82 only.								
2BS8286 Std.	1	45.950/1.8091 45.970/1.8098	49.980/1.9677 50.000/1.9685	2.000/0.0787		24.70/0.972	F23	1	8286
	2	40.950/1.6122 40.970/1.6130	44.981/1.7709 45.001/1.7717	2.000/0.0787		19.91/0.784	F23	1	8287
	Small End - for all engines excluding 22RTEC turbo engine - single pieces.								
RB4028 Semi		21.987/0.8656 22.000/0.8661	24.000/0.9449 24.021/0.9457			28.70/1.130	F100	1	RB4028
	Bush has bore allowance on the ID.								
	Small End - for all engines excluding 22RTEC turbo engine - single pieces.								
RB4028R Ream		21.987/0.8656 22.000/0.8661	24.000/0.9449 24.021/0.9457			28.70/1.130	F100	1	RB4028R
	Bush has ream allowance on the ID.								

22 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2253cc (2.3) (2M)		**L6**	**75mm x 85mm**	**Connecting Rod 30-35 ft.lbs/41-47 Nm**
2563cc (2.6) (4M)		**L6**	**80mm x 85mm**	**Main Bearing 71-78 ft.lbs/97-106 Nm**
2563cc (2.6) (4M)	**M**	**L6**	**80mm x 85mm**	
2563cc (2.6) (4ME)	**M**	**L6**	**80mm x 85mm**	

	Rod								
6B1160 Std. 10 20 30 40		51.984/2.0466 52.000/2.0472	55.020/2.1661 55.040/2.1669	1.506/0.0593	.020/.0008 .060/.0024	20.00/0.787	F780	12	1160 IH
	Main								
7M1164 Std. 10 20 30 40	1-7	59.985/2.3616 60.000/2.3622	64.021/2.5205 64.046/2.5215	1.996/0.0786	.029/.0011 .095/.0037	21.97/0.865	F780	14	1164 U/L
	Thrust								
2T7962 Std.		65.860/2.5929 66.120/2.6031	79.500/3.1299 79.760/3.1402			2.97/0.117	F1	4	7962T U/L
	Note: Set includes four pieces, use on No. 4 position. Required with 7M1164 main sets.								
	Cam - 2M/4M engines only.								
4C8076 Std.	1	34.972/1.3768 34.996/1.3778	38.014/1.4966 38.038/1.4976	1.504/0.0592	.010/.0004 .074/.0029	20.13/0.793	F23	1	8076 U
	1 (FI)	34.972/1.3768 34.996/1.3778	38.014/1.4966 38.038/1.4976	1.504/0.0592	.010/.0004 .074/.0029	28.07/1.105	F23	1	8077 L
	2,3,4	34.972/1.3768 34.996/1.3778	38.014/1.4966 38.038/1.4976	1.504/0.0592	.010/.0004 .074/.0029	20.13/0.793	F23	6	8076 IH
	Balance Shaft								
2BS8078 Std.	1	40.970/1.6130 (Nominal)	44.981/1.7709 45.001/1.7717	2.009/0.0791		16.26/0.640	F23	1	8078
	2	32.969/1.2980 (Nominal)	36.980/1.4559 37.000/1.4567	2.009/0.0791		16.26/0.640	F23	1	8079
	Small End - not bored, single pieces.								
RB4008 Semi		22.000/0.8661 (Nominal)	24.000/0.9449 (Nominal)			25.24/0.994	F100	1	RB4008

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN** **CYL** **Bore x Stroke**		**TORQUE SETTINGS**				**23**
2438cc (2.4) DOHC (2RZFE)			**L4** **95mm x 86mm**		**Connecting Rod 22ft.lbs/30Nm + 90 deg** (1990-93)				
2438cc (2.4) DOHC (2RZFE)			**L** **L4** **95mm x 86mm**		**Connecting Rod 33ft.lbs/45Nm + 90 deg** (1994-04)				
2438cc (2.4) DOHC (2RZFE)			**U** **L4** **95mm x 86mm**		**Main Bearing 29ft.lbs/39Nm + 90 deg**				
2438cc (2.4) DOHC (2TZFE)			**A** **L4** **95mm x 86mm**						
2438cc (2.4) DOHC (2TZFZE) Supercharged			**A** **L4** **95mm x 86mm**						
2438cc (2.4) DOHC (2TZFZE) Supercharged			**K** **L4** **95mm x 86mm**						
2694cc (2.7) DOHC (3RZFE)			**L4** **95mm x 95mm**						
2694cc (2.7) DOHC (3RZFE)			**M** **L4** **95mm x 95mm**						
2694cc (2.7) DOHC (3RZFE)			**U** **L4** **95mm x 95mm**						
Rod									
	52.987/2.0861 53.000/2.0866	56.000/2.2047 56.024/2.2057	1.482/0.0583	.036/.0014 .099/.0039	19.83/0.781	F780	8	8376 IH	**4B8376** Std. .25 .50 .75 1.0
Main									
1,5	59.987/2.3617 60.000/2.3622	64.000/2.5197 64.024/2.5207	1.987/0.0782	.026/.0010 .089/.0035	25.18/0.991	F780	4	8378 U/L	**5M8378** Std. .25 .50 .75 1.0
2,3,4	59.987/2.3617 60.000/2.3622	64.000/2.5197 64.024/2.5207	1.987/0.0782	.026/.0010 .089/.0035	23.15/0.911	F780	6	8377 U/L	
Thrust									
	65.250/2.5690 65.500/2.5790	89.750/3.5335 90.000/3.5434			2.49/0.098	F817	4	8377T U/L	**2T8377** Std.
Note : Set includes four pieces. Required with 5M8378 main set.									
Balance Shaft - 2.7L Engine only.									
Front		42.004/1.6537 42.024/1.6545	1.988/0.0783		20.32/0.800	F23	2	TOG-10-1	**4BS8000** Std.
Rear		41.519/1.6346 41.539/1.6354	2.006/0.0790		22.73/0.895	F23	2	TOG-10-2	
ENGINE			**VIN** **CYL** **Bore x Stroke**		**TORQUE SETTINGS**				**24**
2336cc (2.3) Forklift (J) Diesel			**L4** **88mm x 96mm**		**Connecting Rod 49-52 ft.lbs/66-70 Nm**				
2481cc (2.5) Forklift (2J) Diesel			**L4** **88mm x 102mm**		**Main Bearing 71-81 ft.lbs/96-110 Nm**				
2771cc (2.8) Forklift (5P) Diesel			**L4** **93mm x 102mm**						
Rod									
	54.980/2.1646 55.000/2.1654	58.000/2.2835 58.020/2.2842	1.485/0.0585	.030/.0012 .096/.0038	27.55/1.085	F780	8	1361 IH	**4B1361** Std. .25 .50 .75 1.0
Main									
1,2,4,5	69.980/2.7551 70.000/2.7559	74.000/2.9134 74.022/2.9142	1.989/0.0783	.022/.0009 .089/.0035	24.63/0.970	F780	8	1362 IH	**5M1362** Std. .25 .50 .75 1.0
3	69.980/2.7551 70.000/2.7559	74.000/2.9134 74.022/2.9142	1.989/0.0783	.022/.0009 .089/.0035	31.37/1.235	F780	2	1365 IH	
Thrust									
4	75.950/2.9902 76.200/3.0000	89.410/3.5201 89.660/3.5299			3.00/0.118	F250	4	1362T U/L	**2T1362** Std.
Note: Set includes four pieces, use on No. 3 position. Required with 5M1362 main set.									
Cam - for 1965-69 engines.									
1	47.164/1.8568 47.180/1.8575	51.000/2.0079 51.019/2.0086	1.905/0.0750		24.00/0.945	F23	1	8056	**4C8056** Std.
2	46.964/1.8490 46.980/1.8496	51.000/2.0079 51.019/2.0086	2.005/0.0789		20.00/0.787	F23	1	8057	
3	46.764/1.8411 46.780/1.8417	51.000/2.0079 51.019/2.0086	2.105/0.0829		20.00/0.787	F23	1	8058	
4	46.564/1.8332 46.580/1.8339	51.000/2.0079 51.019/2.0086	2.205/0.0868		24.00/0.945	F23	1	8059	

TOYOTA

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
24 (Cont'd.)									
	Cam - for 1970-75 engines.								
4C8065 Std.	1	47.164/1.8568 47.180/1.8575	51.000/2.0079 51.019/2.0086	1.905/0.0750		24.00/0.945	F23	1	8056
	2	46.964/1.8490 46.980/1.8496	51.000/2.0079 51.019/2.0086	2.005/0.0789		20.00/0.787	F23	1	8057
	3	46.764/1.8411 46.780/1.8417	51.000/2.0079 51.019/2.0086	2.105/0.0829		20.00/0.787	F23	1	8058
	4	46.564/1.8332 46.580/1.8339	51.000/2.0079 51.019/2.0086	2.205/0.0868		24.00/0.945	F23	1	8065
	Small End - not bored, single pieces.								
RB4023 Semi		27.000/1.0630 27.012/1.0635	30.000/1.1811 30.021/1.1819			30.02/1.182	F100	1	RB4023
25 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
2398cc (2.4) (2AZFE)				**L4**	**88.5mm x 96mm**	**Connecting Rod 18 ft.lbs/25 Nm + 90 deg** **Main Bearing 15 ft.lbs/20 Nm** Step 1 **Mains Bearing 30 ft.lbs/40 Nm + 90 deg** Step 2			
	Rod - High Strength Aluminum Silicon material.								
4B8411A Std. .25 .50 .75 1.0		47.990/1.8894 48.000/1.8898	51.000/2.0079 51.020/2.0087	1.490/0.0587	.024/.0009 .048/.0019	15.60/0.614	F810	8	8411A IH
	Main - High Strength Aluminum Silicon material.								
5M8412A Std. .25 .50 .75 1.0	1-5	54.988/2.1649 55.000/2.1654	59.000/2.3228 59.016/2.3235	1.996/0.0786	.008/.0003 .052/.0020	17.00/0.669	F810	10	8412A U/L
	Thrust								
1T8412 Std.		60.500/2.3819 60.750/2.3917	77.750/3.0610 78.000/3.0709			1.98/0.078	F817	2	8412T U
	Note: Set includes two pieces. Required with 5M8412A main set.								
	Cam								
1C8415A Std.		35.971/1.4162 35.985/1.4167	40.000/1.5748 40.025/1.5758	2.004/0.0789	.007/.0003 .038/.0015	22.60/0.890	F810	1	8415A U
	(F)	35.971/1.4162 35.985/1.4167	40.000/1.5748 40.025/1.5758	2.004/0.0789	.007/.0003 .038/.0015	23.60/0.929	F810	1	8417A L
	Balance Shaft								
4BS8416A Std.		22.985/0.9049 23.000/0.9055	26.000/1.0236 26.018/1.0243	1.498/0.0590	.004/.0002 .031/.0012	22.10/0.870	F810	8	8416A IH
26 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
2496cc (2.5) DOHC (4VZFE)				**V6**	**87.5mm x 69mm**	**Connecting Rod 18ft.lbs + 90 deg turn**			
2959cc (3.0) SOHC (3VZE)			**V**	**V6**	**87.5mm x 82mm**	**Main Bearing 45ft.lbs + 90 deg turn**			
2967cc (3.0) DOHC (3VZFE)			**V**	**V6**	**87.5mm x 82mm**				
3378cc (3.4) DOHC (5VZFE)				**V6**	**93.5mm x 82mm**				
3378cc (3.4) DOHC (5VZFE)			**N**	**V6**	**93.5mm x 82mm**				
3378cc (3.4) DOHC (5VZFE)			**V**	**V6**	**93.5mm x 82mm**				
	Rod - 3VZE engine only. To be superceded by 6B8060A when stock exhausted.								
6B8060 Std. .25 .50 .75 1.0		54.987/2.1649 55.000/2.1654	58.000/2.2835 58.024/2.2844	1.488/0.0586	.024/.0009 .087/.0034	17.00/0.669	F780	12	8060 IH
	Rod - High Strength Aluminum Silicon material.								
6B8060A Std. .25 .50 .75 1.0		54.987/2.1648 55.000/2.1654	58.000/2.2835 58.024/2.2844	1.488/0.0586	.024/.0009 .087/.0034	17.00/0.669	F810	12	8060A IH
	Rod - 3VZFE, 4VZFE & 5VZFE engines only.								
6B8061 Std. .25 .50 .75 1.0		54.987/2.1649 55.000/2.1654	58.000/2.2835 58.024/2.2844	1.488/0.0586	.024/.0009 .087/.0034	17.00/0.669	F780	12	8061 IH
	Main - To be superceded by 4M8063A when stock exhausted.								
4M8063 Std. .25 .50 .75 1.0	1	63.985/2.5191 64.000/2.5197	68.010/2.6776 68.028/2.6783	1.990/0.0783	.030/.0012 .089/.0035	22.00/0.866	F780	2	8064 U/L
	2,3,4	63.985/2.5191 64.000/2.5197	68.010/2.6776 68.028/2.6783	1.990/0.0783	.030/.0012 .089/.0035	20.00/0.787	F780	6	8063 U/L

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 26
Main - High Strength Aluminum Silicon material.									
2,3,4	63.985/2.5191 64.000/2.5197	68.010/2.6776 68.028/2.6783	1.990/0.0783	.030/.0012 .089/.0035	20.00/0.787	F810	6	8063A U/L	**4M8063A** Std. .25 .50 .75 1.0
1	63.985/2.5191 64.000/2.5197	68.010/2.6776 68.028/2.6783	1.990/0.0783	.030/.0012 .089/.0035	22.00/0.866	F810	2	8064A U/L	
Thrust									
2	71.250/2.8051 71.500/2.8150	86.250/3.3957 86.500/3.4055			2.49/0.098	F817	4	8063T U/L	**2T8063** Std. +.25
Note : Set includes four pieces, use on No. 2 position. Required with 4M8063 main set.									
Small End - for 3VZFE/5VZFE engines only.									
	21.997/0.8660 22.009/0.8665	24.010/0.9453 24.030/0.9461			23.00/0.906	F100	1	RB4109	**RB4109** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2754cc (2.8) DOHC (5ME)	**M**	**L6**	**83mm x 85mm**	**Connecting Rod 33 ft.lbs/45 Nm**	27
2754cc (2.8) DOHC (5MGE)	**M**	**L6**	**83mm x 85mm**	**Main Bearing 75 ft.lbs/102 Nm**	

Rod - for engines 1981-7/84 only.									
	51.984/2.0466 52.000/2.0472	55.020/2.1661 55.040/2.1669	1.506/0.0593	.020/.0008 .060/.0024	20.00/0.787	F780	12	1160 IH	**6B1160** Std. 10 20 30 40
Rod - for engines 8/84-88 only.									
	51.984/2.0466 52.000/2.0472	55.015/2.1659 55.035/2.1667	1.500/0.0591	.015/.0006 .076/.0030	19.90/0.784	F780	12	1170 IH	**6B1170** Std. .25 .50 .75 1.0
Main - for engines 1981-7/84 only.									
1-7	59.985/2.3616 60.000/2.3622	64.021/2.5205 64.046/2.5215	1.996/0.0786	.029/.0011 .095/.0037	21.97/0.865	F780	14	1164 U/L	**7M1164** Std. 10 20 30 40
Main - for engines 8/84-88 only.									
1	60.010/2.3626 (Nominal)	64.046/2.5215 (Nominal)	2.000/0.0787	.012/.0005 .087/.0034	25.00/0.984	F780	2	1166 U/L	**7M1165** Std. .25 .50 .75 1.0
2-7	60.010/2.3626 (Nominal)	64.046/2.5215 (Nominal)	2.000/0.0787	.012/.0005 .087/.0034	22.00/0.866	F780	12	1165 U/L	
Thrust									
	65.860/2.5929 66.120/2.6031	79.500/3.1299 79.760/3.1402			2.97/0.117	F1	4	7962T U/L	**2T7962** Std.
Note: Set includes four pieces, use on No. 4 position. Required with 7M1164/7M1165 main sets.									
Balance Shaft									
1	40.970/1.6130 (Nominal)	44.981/1.7709 45.001/1.7717	2.009/0.0791		16.26/0.640	F23	1	8078	**2BS8078** Std.
2	32.969/1.2980 (Nominal)	36.980/1.4559 37.000/1.4567	2.009/0.0791		16.26/0.640	F23	1	8079	
Small End - not bored, single pieces.									
	22.000/0.8661 (Nominal)	24.000/0.9449 (Nominal)			25.24/0.994	F100	1	RB4008	**RB4008** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2954cc (3.0) DOHC (7MGE)	**M**	**L6**	**83mm x 91mm**	**Connecting Rod 47 ft.lbs/64 Nm**	28
2954cc (3.0) DOHC (7MGTE) Turbo	**M**	**L6**	**83mm x 91mm**	**Main Bearing 75 ft.lbs/102 Nm**	

Rod									
	51.984/2.0466 52.000/2.0472	55.015/2.1659 55.035/2.1667	1.500/0.0591	.015/.0006 .076/.0030	19.90/0.784	F780	12	1170 IH	**6B1170** Std. .25 .50 .75 1.0
Main									
1	60.010/2.3626 (Nominal)	64.046/2.5215 (Nominal)	2.000/0.0787	.012/.0005 .087/.0034	25.00/0.984	F780	2	1166 U/L	**7M1165** Std. .25 .50 .75 1.0
2-7	60.010/2.3626 (Nominal)	64.046/2.5215 (Nominal)	2.000/0.0787	.012/.0005 .087/.0034	22.00/0.866	F780	12	1165 U/L	

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
28 (Cont'd.)									
	Thrust								
2T7962 Std.		65.860/2.5929 66.120/2.6031	79.500/3.1299 79.760/3.1402			2.97/0.117	F1	4	7962T U/L
	Note: Set includes four pieces, use on No. 4 position. Required with 7M1165 main sets.								
	Balance Shaft								
2BS8078 Std.	1	40.970/1.6130 (Nominal)	44.981/1.7709 45.001/1.7717	2.009/0.0791		16.26/0.640	F23	1	8078
	2	32.969/1.2980 (Nominal)	36.980/1.4559 37.000/1.4567	2.009/0.0791		16.26/0.640	F23	1	8079
	Small End - not bored, single pieces.								
RB4008 Semi		22.000/0.8661 (Nominal)	24.000/0.9449 (Nominal)			25.24/0.994	F100	1	RB4008
29 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
2955cc (3.0) (5L) Diesel				**L4**	**99.5mm x 96mm**				
	Rod								
4B1720 Std. 10 20 30 40		54.985/2.1648 55.000/2.1654	58.004/2.2836 58.024/2.2844	1.486/0.0585	.032/.0013 .093/.0037	26.00/1.024	F810	8	1720A IH
	Main								
5M1728 Std. 10 20 30 40	1-5	61.980/2.4402 62.000/2.4409	66.000/2.5984 66.020/2.5992	1.986/0.0782	.028/.0011 .094/.0037	27.56/1.085	F810	5	1727A U
	1-5	61.980/2.4402 62.000/2.4409	66.000/2.5984 66.020/2.5992	1.986/0.0782	.028/.0011 .094/.0037	27.56/1.085	F810	5	1728A L
	Thrust								
2T1727 Std.	3	70.000/2.7559 70.250/2.7657	81.450/3.2067 81.700/3.2165			2.49/0.098	F861	4	1727T U/L
	Note: Set includes four pieces, use on No. 3 position. Required with 5M1728 main sets.								
	Cam								
5C8094 Std.	1 (Fl)	34.969/1.3767 34.985/1.3774	38.014/1.4966 38.038/1.4976	1.504/0.0592	.021/.0008 .077/.0030	32.60/1.283		1	8094
	2-5	27.969/1.1011 27.985/1.1018	31.014/1.2210 31.038/1.2220	1.504/0.0592	.021/.0008 .077/.0030	17.50/0.689		4	8095
	Small End - not bored, single pieces.								
RB4093 Semi			32.000/1.2598 32.020/1.2606			30.50/1.201 (Tapered)	F100	1	RB4093
30 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
2977cc (3.0) (B) Diesel				**L4**	**95mm x 105mm**		**Connecting Rod 54 ft.lbs/73 Nm Main Bearing 82 ft.lbs/111 Nm**		
	Rod - for engines 1972-83 only.								
4B1786 Std. .25 .50 .75 1.0		58.980/2.3220 59.000/2.3228	62.000/2.4409 62.020/2.4417	1.487/0.0585	.026/.0010 .092/.0036	30.00/1.181	F780	8	1786 IH
	Rod - for engines 1984-5/88 only.								
4B8280 Std. .25 .50 .75 1.0		60.980/2.4008 61.000/2.4016	64.000/2.5197 64.021/2.5205	1.490/0.0587	.020/.0008 .087/.0034	30.00/1.181	F780	8	8280 IH
	Rod - for engines 6/88 on.								
4B8375 Std. .25 .50 .75		58.980/2.3220 59.000/2.3228	62.000/2.4409 62.025/2.4419	1.490/0.0587	.020/.0008 .091/.0036	30.00/1.181	F780	8	8375 IH
	Main - for engines using flanged bearings from 1972-83 only.								
5M1787 Std. .25 .50 .75 1.0	1,2,4,5	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	27.60/1.087	F780	8	1787 IH
	3 (F)	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	33.93/1.336	F780	2	1788 U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 30
Main - for engines using thrustwashers from 1984-5/88 only.									
1-5	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	27.60/1.087	F780	5	1787 U	**5M8283** Std. .25 .50 .75
1-5	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	27.60/1.087	F780	5	8283 L	
Main - for engines using thrustwashers from 6/88 on.									
1-5	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	27.60/1.087	F780	10	8374 U/L	**5M8374** Std. .25 .50 .75
Thrust									
3	76.250/3.0020 76.260/3.0024	90.450/3.5610 90.700/3.5709			2.48/0.098	F817	4	8283T U/L	**2T8283** Std.
Note : Set includes four pieces. Required with 5M8283 & 5M8374 main set.									
Cam - for engines 1972-9/84 only.									
1	47.159/1.8566 47.175/1.8573	51.030/2.0091 51.060/2.0102	1.915/0.0754		24.00/0.945	F23	1	8071	**3C8071** Std.
2	46.959/1.8488 46.975/1.8494	51.030/2.0091 51.060/2.0102	2.014/0.0793		20.00/0.787	F23	1	8072	
3	46.759/1.8409 46.775/1.8415	51.030/2.0091 51.060/2.0102	2.115/0.0833		24.00/0.945	F23	1	8073	
Cam - for engines 8/88 on.									
1	53.450/2.1043 53.475/2.1053	57.500/2.2638 57.580/2.2669	2.005/0.0789		20.00/0.787	F23	1	8205	**5C8205** Std.
2	53.200/2.0945 53.225/2.0955	57.250/2.2539 57.280/2.2551	2.005/0.0789		20.00/0.787	F23	1	8206	
3	52.950/2.0846 52.975/2.0856	57.000/2.2441 57.030/2.2453	2.005/0.0789		20.00/0.787	F23	1	8207	
4	52.700/2.0748 52.725/2.0758	57.000/2.2441 57.030/2.2453	2.130/0.0839		20.00/0.787	F23	1	8208	
5	52.450/2.0650 52.475/2.0659	57.250/2.2539 57.282/2.2552	2.380/0.0937		20.00/0.787	F23	1	8209	
Cam - for engines 9/84-6/86 only.									
1	53.450/2.1043 53.475/2.1053	56.500/2.2244 56.530/2.2256	1.505/0.0593		20.00/0.787	F23	1	8215	**5C8215** Std.
2	53.200/2.0945 53.225/2.0955	56.250/2.2146 56.280/2.2157	1.505/0.0593		20.00/0.787	F23	1	8216	
3	52.950/2.0846 52.975/2.0856	56.000/2.2047 56.030/2.2059	1.505/0.0593		20.00/0.787	F23	1	8217	
4	52.700/2.0748 52.725/2.0758	56.000/2.2047 56.030/2.2059	1.630/0.0642		20.00/0.787	F23	1	8218	
5	52.450/2.0650 52.475/2.0659	56.250/2.2146 56.280/2.2157	1.880/0.0740		20.00/0.787	F23	1	8219	
Cam - for engines 6/86-8/88 only.									
1	53.450/2.1043 53.475/2.1053	57.550/2.2657 57.580/2.2669	2.005/0.0789		20.00/0.787	F23	1	8205	**5C8217** Std.
2	53.200/2.0945 53.225/2.0955	57.250/2.2539 57.280/2.2551	2.005/0.0789		20.00/0.787	F23	1	8206	
3	52.950/2.0846 52.975/2.0856	56.000/2.2047 56.030/2.2059	1.505/0.0593		20.00/0.787	F23	1	8217	
4	52.700/2.0748 52.725/2.0758	56.000/2.2047 56.030/2.2059	1.630/0.0642		20.00/0.787	F23	1	8218	
5	52.450/2.0650 52.475/2.0659	56.250/2.2146 56.280/2.2157	1.880/0.0740		20.00/0.787	F23	1	8219	
Small End - single pieces, not bored.									
	29.000/1.1417 29.012/1.1422	33.000/1.2992 30.025/1.1821			32.00/1.260	F100	1	RB4065	**RB4065** Semi

TOYOTA

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
31 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
2977cc (3.0) (11B) Diesel			**L4**	**95mm x 105mm**		**Connecting Rod 54 ft.lbs/73 Nm** (11B engines)			
3431cc (3.4) (13B) Diesel			**L4**	**102mm x 105mm**		**Connecting Rod 69 ft.lbs/93 Nm** (13B/13BT engines)			
3431cc (3.4) (13BT) Turbo Diesel			**L4**	**102mm x 105mm**		**Main Bearing 82 ft.lbs/111 Nm**			
3660cc (3.7) (14B) Diesel			**L4**	**102mm x 112mm**					
3660cc (3.7) (14BT) Turbo Diesel			**L4**	**102mm x 112mm**					
	Rod - for naturally aspirated engines 1984-8/88 and all Turbo engines.								
4B8280 Std. .25 .50 .75 1.0		60.980/2.4008 61.000/2.4016	64.000/2.5197 64.021/2.5205	1.490/0.0587	.020/.0008 .087/.0034	30.00/1.181	F780	8	8280 IH
	Rod - for naturally aspiarted engines 8/88 on.								
4B8285 Std. .25 .50 .75		61.000/2.4016 (Nominal)	64.000/2.5197 64.025/2.5207	1.485/0.0585	.030/.0012	30.00/1.181	F780	8	8285 IH
	Main - for all engines 1984-8/88 only.								
5M8283 Std. .25 .50 .75	1-5	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	27.60/1.087	F780	5	1787 U
	1-5	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	27.60/1.087	F780	5	8283 L
	Main - for all engines 8/88 on.								
5M8374 Std. .25 .50 .75	1-5	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	27.60/1.087	F780	10	8374 U/L
	Thrust								
2T8283 Std.	3	76.250/3.0020 76.260/3.0024	90.450/3.5610 90.700/3.5709			2.48/0.098	F817	4	8283T U/L
	Note : Set includes four pieces. Required with 5M8283 & 5M8374 main set.								
	Cam - for engines 8/88 on.								
5C8205 Std.	1	53.450/2.1043 53.475/2.1053	57.500/2.2638 57.580/2.2669	2.005/0.0789		20.00/0.787	F23	1	8205
	2	53.200/2.0945 53.225/2.0955	57.250/2.2539 57.280/2.2551	2.005/0.0789		20.00/0.787	F23	1	8206
	3	52.950/2.0846 52.975/2.0856	57.000/2.2441 57.030/2.2453	2.005/0.0789		20.00/0.787	F23	1	8207
	4	52.700/2.0748 52.725/2.0758	57.000/2.2441 57.030/2.2453	2.130/0.0839		20.00/0.787	F23	1	8208
	5	52.450/2.0650 52.475/2.0659	57.250/2.2539 57.282/2.2552	2.380/0.0937		20.00/0.787	F23	1	8209
	Cam - for engines 9/84-6/86 only.								
5C8215 Std.	1	53.450/2.1043 53.475/2.1053	56.500/2.2244 56.530/2.2256	1.505/0.0593		20.00/0.787	F23	1	8215
	2	53.200/2.0945 53.225/2.0955	56.250/2.2146 56.280/2.2157	1.505/0.0593		20.00/0.787	F23	1	8216
	3	52.950/2.0846 52.975/2.0856	56.000/2.2047 56.030/2.2059	1.505/0.0593		20.00/0.787	F23	1	8217
	4	52.700/2.0748 52.725/2.0758	56.000/2.2047 56.030/2.2059	1.630/0.0642		20.00/0.787	F23	1	8218
	5	52.450/2.0650 52.475/2.0659	56.250/2.2146 56.280/2.2157	1.880/0.0740		20.00/0.787	F23	1	8219
	Cam - for engines 6/86-8/88 only.								
5C8217 Std.	1	53.450/2.1043 53.475/2.1053	57.550/2.2657 57.580/2.2669	2.005/0.0789		20.00/0.787	F23	1	8205
	2	53.200/2.0945 53.225/2.0955	57.250/2.2539 57.280/2.2551	2.005/0.0789		20.00/0.787	F23	1	8206
	3	52.950/2.0846 52.975/2.0856	56.000/2.2047 56.030/2.2059	1.505/0.0593		20.00/0.787	F23	1	8217
	4	52.700/2.0748 52.725/2.0758	56.000/2.2047 56.030/2.2059	1.630/0.0642		20.00/0.787	F23	1	8218
	5	52.450/2.0650 52.475/2.0659	56.250/2.2146 56.280/2.2157	1.880/0.0740		20.00/0.787	F23	1	8219
	Small End - for 13BT turbo engines from9/84-8/88 only. Single pieces, not bored.								
RB4076 Semi		32.010/1.2602 (Nominal)	36.030/1.4185 (Nominal)			31.75/1.250	F100	1	RB4076

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 31
Small End - Non-Stock Item. For 11B engines 1984-6/86 and all 13B engines. Single pieces, not bored.									
	34.013/1.3391 (Max I.D.)	38.000/1.4961 38.025/1.4970			36.00/1.417	F100	1	RB4082	**RB4082** Semi
Orders Ex-Factory only.									
Small End - for 11B/14B engines from 8/88 on.									
	32.010/1.2602 (Nominal)	36.000/1.4173 30.030/1.1823			32.80/1.291 (Tapered)	F100	1	RB4095	**RB4095** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2995cc (3.0) (1MZFE)		**V6**	**87.5mm x 83mm**	**Connecting Rod 18ft.lbs + 90 deg turn**	32
2995cc (3.0) (1MZFE)	**F**	**V6**	**87.5mm x 83mm**	**Main Bearing** Consult Service Manual	
2995cc (3.0) (1MZFE)	**G**	**V6**	**87.5mm x 83mm**		

Rod									
	52.992/2.0863 53.000/2.0866	56.000/2.2047 56.020/2.2055	1.484/0.0584	.032/.0013 .080/.0031	16.00/0.630	F780	12	8381 IH	**6B8381** Std. .25 .50 .75 1.0
Main									
2,3	60.988/2.4011 61.000/2.4016	66.000/2.5984 66.020/2.5992	2.486/0.0979	.028/.0011 .080/.0031	19.00/0.748	F780	4	8379 U/L	**4M8379** Std. .25 .50 .75
1,4	60.988/2.4011 61.000/2.4016	66.000/2.5984 66.020/2.5992	2.486/0.0979	.028/.0011 .080/.0031	22.50/0.886	F780	4	8383 U/L	
Thrust									
	68.200/2.6850 68.450/2.6949	83.950/3.3051 83.700/3.2953			1.98/0.078	F817	4	8379T U/L	**2T8379** Std.
Note: Set includes four pieces. Required with 4M8379 main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
2997cc (3.0) (2JZGE)	**D**	**L6**	**86.1mm x 86.1mm**	**Connecting Rod 22 ft.lbs + 90 deg turn**	33
2997cc (3.0) (2JZGE)	**J**	**L6**	**86.1mm x 86.1mm**	**Main Bearing 33 ft.lbs + 90 deg turn**	
2997cc (3.0) (2JZGTE) Turbo	**E**	**L6**	**86.1mm x 86.1mm**		
2997cc (3.0) (2JZGTE) Turbo	**J**	**L6**	**86.1mm x 86.1mm**		

Rod									
	51.982/2.0465 52.000/2.0472	55.024/2.1663 55.042/2.1670	1.511/0.0595	.002/.0001 .065/.0026	19.30/0.760	F780	12	8100 IH	**6B8100** Std. .25
Main									
2-7	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	2.009/0.0791	.004/.0002 .059/.0023	20.00/0.787	F780	12	8103 U/L	**7M8103** Std. .25
1	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	2.009/0.0791	.004/.0002 .059/.0023	23.00/0.906	F780	2	8104 U/L	
Thrust									
3	67.350/2.6516 67.600/2.6614	81.350/3.2027 81.600/3.2126			1.97/0.078	F817	4	8103T U/L	**2T8103** Std.
Set includes four pieces, use on No.3 position. Required with 7M8103 main set.									

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS	
3168cc (3.2) (2B) Diesel		**L4**	**98mm x 105mm**	**Connecting Rod 47-54 ft.lbs/64-73 Nm** **Main Bearing 102 ft.lbs/138 Nm**	34

Rod									
	58.980/2.3220 59.000/2.3228	62.000/2.4409 62.020/2.4417	1.487/0.0585	.026/.0010 .092/.0036	30.00/1.181	F780	8	1786 IH	**4B1786** Std. .25 .50 .75 1.0
Main									
1,2,4,5	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	27.60/1.087	F780	8	1787 IH	**5M1787** Std. .25 .50 .75 1.0
3 (F)	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	33.93/1.336	F780	2	1788 U/L	
Overflange length remains constant for standard and undersizes.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
34 (Cont'd.)									
	Cam								
3C8071 Std.	1	47.159/1.8566 47.175/1.8573	51.030/2.0091 51.060/2.0102	1.915/0.0754		24.00/0.945	F23	1	8071
	2	46.959/1.8488 46.975/1.8494	51.030/2.0091 51.060/2.0102	2.014/0.0793		20.00/0.787	F23	1	8072
	3	46.759/1.8409 46.775/1.8415	51.030/2.0091 51.060/2.0102	2.115/0.0833		24.00/0.945	F23	1	8073
	Small End - not bored, single pieces.								
RB4065 Semi		29.000/1.1417 29.012/1.1422	33.000/1.2992 30.025/1.1821			32.00/1.260	F100	1	RB4065
35 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
209 3431cc (3.4) (3B) Diesel			**L4**	**102mm x 105mm**		**Connecting Rod 61-69 ft.lbs/83-93 Nm. Main Bearing 102 ft.lbs/138 Nm**			
	Rod - for engines 1980-8/88 only.								
4B8280 Std. .25 .50 .75 1.0		60.980/2.4008 61.000/2.4016	64.000/2.5197 64.021/2.5205	1.490/0.0587	.020/.0008 .087/.0034	30.00/1.181	F780	8	8280 IH
	Rod - for engines 8/88 on.								
4B8285 Std. .25 .50 .75		61.000/2.4016 (Nominal)	64.000/2.5197 64.025/2.5207	1.485/0.0585	.030/.0012	30.00/1.181	F780	8	8285 IH
	Main - for engines 1980-6/84 with flanged bearings.								
5M1787 Std. .25 .50 .75 1.0	1,2,4,5	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	27.60/1.087	F780	8	1787 IH
	3 (F)	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	33.93/1.336	F780	2	1788 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - for engines 7/84-8/88 with thrustwashers.								
5M8283 Std. .25 .50 .75	1-5	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	27.60/1.087	F780	5	1787 U
	1-5	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	27.60/1.087	F780	5	8283 L
	Main - for engines 8/88 on with thrustwashers.								
5M8374 Std. .25 .50 .75	1-5	69.980/2.7551 70.000/2.7559	75.000/2.9528 75.024/2.9537	2.490/0.0980	.020/.0008 .090/.0035	27.60/1.087	F780	10	8374 U/L
	Thrust								
2T8283 Std.	3	76.250/3.0020 76.260/3.0024	90.450/3.5610 90.700/3.5709			2.48/0.098	F817	4	8283T U/L
	Note : Set includes four pieces, use on No. 3 poisition. Required with 5M8283 & 5M8374 main sets.								
	Cam - for engines 1980-6/84 only.								
3C8071 Std.	1	47.159/1.8566 47.175/1.8573	51.030/2.0091 51.060/2.0102	1.915/0.0754		24.00/0.945	F23	1	8071
	2	46.959/1.8488 46.975/1.8494	51.030/2.0091 51.060/2.0102	2.014/0.0793		20.00/0.787	F23	1	8072
	3	46.759/1.8409 46.775/1.8415	51.030/2.0091 51.060/2.0102	2.115/0.0833		24.00/0.945	F23	1	8073
	Cam - for engines 8/88 on.								
5C8205 Std.	1	53.450/2.1043 53.475/2.1053	57.500/2.2638 57.580/2.2669	2.005/0.0789		20.00/0.787	F23	1	8205
	2	53.200/2.0945 53.225/2.0955	57.250/2.2539 57.280/2.2551	2.005/0.0789		20.00/0.787	F23	1	8206
	3	52.950/2.0846 52.975/2.0856	57.000/2.2441 57.030/2.2453	2.005/0.0789		20.00/0.787	F23	1	8207
	4	52.700/2.0748 52.725/2.0758	57.000/2.2441 57.030/2.2453	2.130/0.0839		20.00/0.787	F23	1	8208
	5	52.450/2.0650 52.475/2.0659	57.250/2.2539 57.282/2.2552	2.380/0.0937		20.00/0.787	F23	1	8209

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 35
Cam - for engines 7/84-6/86 only.									
1	53.450/2.1043 53.475/2.1053	56.500/2.2244 56.530/2.2256	1.505/0.0593		20.00/0.787	F23	1	8215	**5C8215** Std.
2	53.200/2.0945 53.225/2.0955	56.250/2.2146 56.280/2.2157	1.505/0.0593		20.00/0.787	F23	1	8216	
3	52.950/2.0846 52.975/2.0856	56.000/2.2047 56.030/2.2059	1.505/0.0593		20.00/0.787	F23	1	8217	
4	52.700/2.0748 52.725/2.0758	56.000/2.2047 56.030/2.2059	1.630/0.0642		20.00/0.787	F23	1	8218	
5	52.450/2.0650 52.475/2.0659	56.250/2.2146 56.280/2.2157	1.880/0.0740		20.00/0.787	F23	1	8219	
Cam - for engines 6/86-8/88 only.									
1	53.450/2.1043 53.475/2.1053	57.550/2.2657 57.580/2.2669	2.005/0.0789		20.00/0.787	F23	1	8205	**5C8217** Std.
2	53.200/2.0945 53.225/2.0955	57.250/2.2539 57.280/2.2551	2.005/0.0789		20.00/0.787	F23	1	8206	
3	52.950/2.0846 52.975/2.0856	56.000/2.2047 56.030/2.2059	1.505/0.0593		20.00/0.787	F23	1	8217	
4	52.700/2.0748 52.725/2.0758	56.000/2.2047 56.030/2.2059	1.630/0.0642		20.00/0.787	F23	1	8218	
5	52.450/2.0650 52.475/2.0659	56.250/2.2146 56.280/2.2157	1.880/0.0740		20.00/0.787	F23	1	8219	
Small End - for engines 1980-7/88 only. Single pieces, not bored.									
	32.010/1.2602 (Nominal)	36.030/1.4185 (Nominal)			31.75/1.250	F100	1	RB4076	**RB4076** Semi
Small End - for engines 8/88 on. Single pieces, not bored.									
	32.010/1.2602 (Nominal)	36.000/1.4173 30.030/1.1823			32.80/1.291 (Tapered)	F100	1	RB4095	**RB4095** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 36
3576cc (3.6) (H) Diesel		**L6**	**88mm x 98mm**	**Connecting Rod 47-54 ft.lbs/64-73 Nm** (H eng.)
3980cc (4.0) (12H-T) Turbo Diesel		**L6**	**91mm x 102mm**	**Connecting Rod 68ft.lbs/92Nm** (2H/12H-T engines)
3980cc (4.0) (2H) Diesel		**L6**	**91mm x 102mm**	**Main Bearing 102ft.lbs/138Nm** (2H/12H-T engines) **Main Bearing 72-80 ft.lbs/98-108 Nm** (H eng.)

Rod - For 12H-T engines & 2H engine from 10/84 on.									
	54.980/2.1646 55.000/2.1654	58.000/2.2835 58.020/2.2842	1.485/0.0585	.030/.0012 .096/.0038	25.60/1.008	F780	12	1360 IH	**6B1360** Std. .25 .50 .75
Rod - for 12H-T engines 1988 on. (similar to 6B1360 set but has no oil hole and tang on opposite side)									
	54.980/2.1646 55.000/2.1654	58.000/2.2835 58.020/2.2842	1.486/0.0585	.028/.0011 .094/.0037	25.60/1.008	F780	12	1376 IH	**6B1376** Std. .25 .50 .75
Main									
1-3,5-7	69.980/2.7551 70.000/2.7559	74.000/2.9134 74.022/2.9142	1.989/0.0783	.022/.0009 .089/.0035	22.46/0.884	F780	12	1388 IH	**7M1388** Std. .25 .50 .75 1.0
4	69.980/2.7551 70.000/2.7559	74.000/2.9134 74.022/2.9142	1.989/0.0783	.022/.0009 .089/.0035	29.60/1.165	F780	2	1389 IH	
Thrust - for H & 2H engines only.									
4	75.950/2.9902 76.200/3.0000	89.410/3.5201 89.660/3.5299			3.00/0.118	F250	4	1362T U/L	**2T1362** Std.
Note: Set includes four pieces, use on No. 4 position. Required with 7M1388 main sets.									
Thrust - For all 12H-T engines only.									
4	76.250/3.0020 76.500/3.0118	89.750/3.5335 90.000/3.5433			2.98/0.117	F817	4	1388T U/L	**2T1388** Std.
Note: Set includes four pieces, use on No. 4 position. Required with 7M1388 main sets.									

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
36 (Cont'd.)									
	Cam - for 2H engines 4/82-91 and all 12H-T engines.								
4C8052 Std.	1	51.175/2.0148 (Nominal)	55.020/2.1661 (Nominal)	1.900/0.0748		24.00/0.945	F23	1	8052
	2	50.975/2.0069 (Nominal)	55.020/2.1661 (Nominal)	2.000/0.0787		20.00/0.787	F23	1	8053
	3	50.775/1.9990 (Nominal)	55.020/2.1661 (Nominal)	2.100/0.0827		20.00/0.787	F23	1	8054
	4	50.575/1.9911 (Nominal)	55.020/2.1661 (Nominal)	2.200/0.0866		24.00/0.945	F23	1	8055
	Cam - for H engines 1969-76 only.								
4C8056 Std.	1	47.164/1.8568 47.180/1.8575	51.000/2.0079 51.019/2.0086	1.905/0.0750		24.00/0.945	F23	1	8056
	2	46.964/1.8490 46.980/1.8496	51.000/2.0079 51.019/2.0086	2.005/0.0789		20.00/0.787	F23	1	8057
	3	46.764/1.8411 46.780/1.8417	51.000/2.0079 51.019/2.0086	2.105/0.0829		20.00/0.787	F23	1	8058
	4	46.564/1.8332 46.580/1.8339	51.000/2.0079 51.019/2.0086	2.205/0.0868		24.00/0.945	F23	1	8059
	Cam - for H engines 1977-80, and 2H engines from 1980-3/82 only.								
4C8065 Std.	1	47.164/1.8568 47.180/1.8575	51.000/2.0079 51.019/2.0086	1.905/0.0750		24.00/0.945	F23	1	8056
	2	46.964/1.8490 46.980/1.8496	51.000/2.0079 51.019/2.0086	2.005/0.0789		20.00/0.787	F23	1	8057
	3	46.764/1.8411 46.780/1.8417	51.000/2.0079 51.019/2.0086	2.105/0.0829		20.00/0.787	F23	1	8058
	4	46.564/1.8332 46.580/1.8339	51.000/2.0079 51.019/2.0086	2.205/0.0868		24.00/0.945	F23	1	8065
	Small End - for H and 2H engines 1980-3/82 only. Not bored, single pieces.								
RB4023 Semi		27.000/1.0630 27.012/1.0635	30.000/1.1811 30.021/1.1819			30.02/1.182	F100	1	RB4023
	Small End - for 2H engines 4/82 on only. Not bored, single pieces.								
RB4070 Semi		29.000/1.1417 (Nominal)	33.000/1.2992 33.030/1.3004			31.00/1.220	F100	1	RB4070

37 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
3878cc (3.9)	**F**	**L6**	**90mm x 101.6mm**	**Connecting Rod 35-55 ft.lbs/47-74 Nm**
3878cc (3.9) (F)		**L6**	**90mm x 101.6mm**	**Main Bearing 76-94 ft.lbs/103-127 Nm** (No.4 cap)
3878cc (3.9) (F)	**F**	**L6**	**90mm x 101.6mm**	**Main Bearing 90-108 ft.lbs/122-146 Nm** (Except No. 4 cap)
3878cc (3.9) (FJ)		**L6**	**90mm x 101.6mm**	
4227cc (4.2) (2F)	**F**	**L6**	**94mm x 101.6mm**	

	Rod								
6B7971 Std. 10 20 30 40		53.980/2.1252 54.000/2.1260	56.800/2.2362 56.820/2.2370	1.380/0.0543	.040/.0016 .096/.0038	32.89/1.295	F820	12	7971AL IH
	Main - for F engines to 1973 only, dowel location & flanged thrust.								
4M7972 Std. 10 20 30	1	66.975/2.6368 67.000/2.6378	71.999/2.8346 72.019/2.8354	2.487/0.0979	.025/.0010 .086/.0034	32.13/1.265	F820	2	7972AL U/L
	2	68.473/2.6958 68.500/2.6968	73.500/2.8937 73.520/2.8945	2.487/0.0979	.026/.0010 .089/.0035	30.12/1.186	F820	2	7973AL U/L
	3 (FI)	69.974/2.7549 70.000/2.7559	75.000/2.9528 75.019/2.9535	2.487/0.0979	.025/.0010 .086/.0034	36.02/1.418	F820	2	7974AL U/L
	4	71.476/2.8140 71.500/2.8150	76.500/3.0118 76.520/3.0126	2.487/0.0979	.026/.0010 .089/.0035	40.13/1.580	F820	2	7975AL U/L
	Overflange length remains constant for standard and undersizes.								

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 37
Main - for F engines 1973-75 and all 2F engines - notch location, flanged thrust.									
1	66.975/2.6368 67.000/2.6378	71.999/2.8346 72.034/2.8360	2.497/0.0983	.005/.0002 .084/.0033	32.13/1.265	F820	2	7982AL U/L	**4M7982** Std. 10 20 30 40
2	68.473/2.6958 68.500/2.6968	73.500/2.8937 73.536/2.8951	2.497/0.0983	.006/.0002 .086/.0034	30.12/1.186	F820	2	7983AL IH	
3 (FI)	69.976/2.7550 70.000/2.7559	75.010/2.9531 75.034/2.9541	2.492/0.0981	.026/.0010 .089/.0035	35.94/1.415	F820	2	7984AL IH	
4	71.470/2.8138 71.500/2.8150	76.500/3.0118 76.535/3.0132	2.497/0.0983	.005/.0002 .087/.0034	40.13/1.580	F820	2	7985AL U/L	
Overflange length remains constant for standard and undersizes.									
Cam									
1	47.955/1.8880 47.975/1.8888	52.000/2.0472 52.035/2.0486	2.014/0.0793	.001 .102/.0040	29.23/1.151	F23	1	7976	**4C7979** Std.
2	46.455/1.8289 46.475/1.8297	50.500/1.9882 50.535/1.9896	2.014/0.0793	.001 .102/.0040	24.25/0.955	F23	1	7977	
3	44.955/1.7699 44.975/1.7707	49.000/1.9291 49.030/1.9303	2.014/0.0793	.001 .097/.0038	24.25/0.955	F23	1	7970	
4	43.455/1.7108 43.475/1.7116	47.500/1.8701 47.530/1.8713	2.014/0.0793	.001 .097/.0038	25.25/0.994	F23	1	7979	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
3956cc (4.0) (3FE)	**F**	**L6**	**94mm x 95mm**	**Connecting Rod 44 ft.lbs/59Nm** **Main Bearing 85 ft.lbs/115 Nm** (17mm bolts only) **Main Bearing 99 ft.lbs/135 Nm** (19mm bolts only)

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Rod									
	52.988/2.0861 53.000/2.0866	56.000/2.2047 56.020/2.2055	1.505/0.0593		22.13/0.871	F820	12	7986AL IH	**6B7986** Std. 10 20 30 40
Main									
1	66.975/2.6368 67.000/2.6378	71.999/2.8346 72.034/2.8360	2.497/0.0983	.005/.0002 .084/.0033	32.13/1.265	F820	2	7982AL U/L	**4M7987** Std. 10 20 30 40
2	68.473/2.6958 68.500/2.6968	73.500/2.8937 73.536/2.8951	2.497/0.0983	.005/.0002 .086/.0034	30.12/1.186	F820	2	7983AL IH	
3	69.972/2.7548 69.996/2.7557	75.000/2.9528 75.035/2.9541	2.497/0.0983	.010/.0004 .085/.0033	28.12/1.107	F820	2	7987AL IH	
4	71.472/2.8139 71.496/2.8148	76.500/3.0118 76.535/3.0132	2.497/0.0983	.010/.0004 .085/.0033	40.13/1.580	F820	2	7988AL U/L	
Thrust									
3	78.000/3.0709 78.250/3.0807	90.500/3.5630 90.750/3.5728			2.48/0.098	F250	4	7987T U/L	**2T7987** Std.
Note : Set includes four pieces, use on No. 3 position. Required with 7M7987 main set.									
Cam									
1	47.955/1.8880 47.975/1.8888	52.000/2.0472 52.035/2.0486	2.014/0.0793	.001 .102/.0040	29.23/1.151	F23	1	7976	**4C7979** Std.
2	46.455/1.8289 46.475/1.8297	50.500/1.9882 50.535/1.9896	2.014/0.0793	.001 .102/.0040	24.25/0.955	F23	1	7977	
3	44.955/1.7699 44.975/1.7707	49.000/1.9291 49.030/1.9303	2.014/0.0793	.001 .097/.0038	24.25/0.955	F23	1	7970	
4	43.455/1.7108 43.475/1.7116	47.500/1.8701 47.530/1.8713	2.014/0.0793	.001 .097/.0038	25.25/0.994	F23	1	7979	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
4112cc (4.2) (1HD-FTE) Turbo Diesel		**L6**	**94mm x 100mm**	
4112cc (4.2) (1HD-T) Turbo Diesel		**L6**	**94mm x 100mm**	
4112cc (4.2) (1HZ) Diesel		**L6**	**94mm x 100mm**	

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Rod									
	58.995/2.3226 59.005/2.3230	62.014/2.4415 62.032/2.4422	0.059/0.0023	.030/.0012 .089/.0035	23.55/0.927	F780	12	8396	**6B8396** Std. .25 .50 .75 1.0

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
39 (Cont'd.)									
	Main								
7M8397 Std. .25 .50 .75	1-7	66.995/2.6376 67.005/2.6380	71.000/2.7953 71.018/2.7960	1.980/0.0780	.035/.0014 .089/.0035	22.10/0.870	F780	14	8397 U/L
	Thrust								
2T8397 Std.		73.450/2.8917 (I.D.) 73.700/2.9016	86.450/3.4035 (O.D.) 86.700/3.4134			2.98/0.117	F817	4	8397T U/L
	Note : Set includes four pieces. Required with 7M8397 main set.								
40 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
4477cc (4.5) (1FZFE)		**D**	**L6**	**100mm x 95mm**	**Connecting Rod 35 ft.lbs + 90 deg**				
4477cc (4.5) (1FZFE)		**J**	**L6**	**100mm x 95mm**	**Main Bearing 54 ft.lbs + 90 deg**				
	Rod								
6B7990 Std. .25 .50 .75 1.0		56.980/2.2433 57.000/2.2441	60.520/2.3826 60.540/2.3835	1.745/0.0687	.030/.0011 .096/.0038	21.40/0.843	F780	12	7990 IH
	Main								
7M7989 Std. .25 .50	1-7	68.980/2.7157 69.000/2.7165	74.020/2.9142 74.040/2.9150	2.492/0.0981	.036/.0014 .102/.0040	23.40/0.921	F780	14	7989 U/L
	Thrust								
2T7989 Std.	4	75.250/2.9626 75.500/2.9724	93.500/3.6811 93.750/3.6909			2.49/0.098	F817	4	7989T
	Note : Set includes four pieces, use on No. 4 position. Required with 7M7989 main set.								
	Small End - not bored, single pieces.								
RB4098 Semi			28.010/1.1028 28.030/1.1035			28.00/1.102	F100	1	RB4098
41 ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				
285 4663cc (4.7) (2UZFE)			**V8**	**94mm x 84.7mm**	**Connecting Rod 18 ft.lbs + 90 deg turn**				
285 4663cc (4.7) (2UZFE)		**T**	**V8**	**94mm x 84.7mm**	**Main Bearing 20 ft.lbs + 90 deg**				
	Rod								
8B8091 Std. .25 .50		51.981/2.0465 52.000/2.0472	55.000/2.1654 55.024/2.1663	1.496/0.0589	.010/.0004 .077/.0030	19.50/0.768	F780	16	8091 IH
	Rod - Race Series.								
8B8091H Std. .025 .25 .50		51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.496/0.0589	.010/.0004 .067/.0026	19.50/0.768	F781	16	8091H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
8B8091HX Std.		51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.483/0.0584	.035/.0014 .092/.0036	19.50/0.768	F781	16	8091HX IH
	Main								
5M8092 Std. .25 .50	1,5	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.496/0.0983	.007/.0003 .061/.0024	22.50/0.886	F780	4	8092 U/L
	2,3,4	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.496/0.0983	.007/.0003 .061/.0024	19.50/0.768	F780	6	8093 U/L
	Main - Race Series.								
5M8092H Std. .025 .25 .50	1,5	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.491/0.0981	.017/.0007 .061/.0024	22.50/0.886	F780	4	8092H U/L
	2,3,4	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.491/0.0981	.017/.0007 .061/.0024	19.50/0.768	F780	6	8093H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
5M8092HX Std.	1,5	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.478/0.0976	.042/.0017 .086/.0034	22.50/0.886	F780	4	8092HX U/L
	2,3,4	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.478/0.0976	.042/.0017 .086/.0034	19.50/0.768	F780	6	8093HX U/L
	Thrust								
2T8092 Std.	3	73.408/2.8901 (Nominal I.D.)	89.311/3.5162 (Nominal O.D.)				F817	4	8092T U/L
	Note : Set includes four pieces, use on No.3 position. Required with 5M8092/H/HX main set.								

TOYOTA PERFORMANCE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1587cc (1.6).....	(4AGE)		L4		1
1587cc (1.6).....	(4AGZE), Supercharged		L4		1
1998cc (2.0).....	(3SGELC)		L4		2
1998cc (2.0).....	(3SGTE), Turbo		L4		2
2997cc (3.0).....	(2JZGE)		L6		3
2997cc (3.0).....	(2JZGTE), Turbo		L6		3
3967cc (4.0).....	(1UZFE)		V8		4
4293cc (4.3).....	(3UZFE)		V8		5
4663cc (4.7).....	(2UZFE)		V8		4

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**1**
1587cc (1.6) (4AGE)			**L4**	**81mm x 77mm**	**Connecting Rod 29 ft.lbs + 90 deg** (for 4AGE engines only)				
1587cc (1.6) (4AGZE) Supercharged			**L4**	**81mm x 77mm**	**Connecting Rod 36 ft.lbs/49 Nm** (for 4AGZE engines only) **Main Bearing 44 ft.lbs/59 Nm**				
Rod - Race Series.									
	41.985/1.6529 42.000/1.6535	45.000/1.7717 45.024/1.7726	1.487/0.0585	.026/.0010 .081/.0032	17.10/0.673	F781	8	1780H IH	**4B1780H** Std. .025 .25 .50
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
	41.985/1.6529 42.000/1.6535	45.000/1.7717 45.024/1.7726	1.474/0.0580	.051/.0020 .106/.0042	17.10/0.673	F781	8	1780HX IH	**4B1780HX** Std.
Main - Race Series.									
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.001/0.0788	.018/.0007 .079/.0031	19.90/0.783	F70	5	1695H L	**5M1695H** Std. .025 .25 .50
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	2.001/0.0788	.018/.0007 .079/.0031	19.90/0.783	F780	5	1704H U	
Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	1.988/0.0783	.043/.0017 .104/.0041	19.90/0.783	F780	5	1695HX L	**5M1695HX** Std.
1-5	47.985/1.8892 48.000/1.8898	52.020/2.0480 52.050/2.0492	1.988/0.0783	.043/.0017 .104/.0041	19.90/0.783	F780	5	1704HX U	
Thrust									
3	53.500/2.1063 53.750/2.1161	65.750/2.5886 66.000/2.5984			2.49/0.098	F861	4	1695T U/L	**2T1695** Std.
Note: Set includes four pieces, use on No. 3 position. Required with 5M1695H/HX main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				**2**
1998cc (2.0) (3SGELC)			**L4**	**86mm x 86mm**	**Connecting Rod 18ft.lbs + 90deg/25Nm + 90deg**				
1998cc (2.0) (3SGTE) Turbo			**L4**	**86mm x 86mm**	**Main Bearing 43 ft.lbs/58 Nm**				
Rod - Race Series.									
	47.985/1.8892 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.488/0.0586	.028/.0011 .079/.0031	21.30/0.839	F781	8	8366H IH	**4B8366H** Std. .025 .25 .50
Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
	47.985/1.8892 48.000/1.8898	51.004/2.0080 51.024/2.0088	1.475/0.0581	.053/.0021 .104/.0041	21.30/0.839	F781	8	8366HX IH	**4B8366HX** Std.
Main - Race Series.									
1,2,4,5	54.985/2.1648 55.000/2.1654	59.020/2.3236 59.038/2.3243	2.000/0.0787	.020/.0008 .069/.0027	19.20/0.756	F780	8	8361H U/L	**5M8361H** Std. .025 .25 .50
3	54.985/2.1648 55.000/2.1654	59.020/2.3236 59.038/2.3243	1.995/0.0785	.030/.0012 .079/.0031	23.00/0.906	F780	2	8362H U/L	
Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance for standard sized crankshafts.									
1,2,4,5	54.985/2.1648 55.000/2.1654	59.020/2.3236 59.038/2.3243	1.987/0.0782	.045/.0018 .094/.0037	19.20/0.756	F780	8	8361HX U/L	**5M8361HX** Std.
3	54.985/2.1648 55.000/2.1654	59.020/2.3236 59.038/2.3243	1.982/0.0780	.055/.0022 .104/.0041	23.00/0.906	F780	2	8362HX U/L	
Thrust									
3	63.800/2.5118 64.060/2.5220	75.740/2.9819 76.000/2.9921			2.49/0.098	F250	4	1689T U/L	**2T1689** Std.
Note: Set includes four pieces, use on No. 3 position. Required with 5M8361H/HX main set.									
Small End - not bored, single pieces.									
	21.977/0.8652 22.009/0.8665	23.980/0.9441 24.000/0.9449			26.40/1.039	F100	1	RB4087	**RB4087** Semi

TOYOTA PERFORMANCE

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
2997cc (3.0) (2JZGE)			**L6**	**86.1mm x 86.1mm**		**Connecting Rod 22 ft.lbs + 90 deg turn**			
2997cc (3.0) (2JZGTE) Turbo			**L6**	**86.1mm x 86.1mm**		**Main Bearing 33 ft.lbs + 90 deg**			
	Rod - Race Series.								
6B8100H Std. .025 .25		51.981/2.0465 52.000/2.0472	55.024/2.1663 55.042/2.1670	1.506/0.0593	.012/.0005 .065/.0026	19.30/0.760	F781	12	8100H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
6B8100HX Std.		51.981/2.0465 52.000/2.0472	55.024/2.1663 55.042/2.1670	1.493/0.0588	.037/.0015 .091/.0036	19.30/0.760	F781	12	8100HX IH
	Main - Race Series.								
7M8103H Std. .025 .25	2-7	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	2.004/0.0789	.011/.0004 .059/.0023	20.00/0.787	F780	12	8103H U/L
	1	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	2.004/0.0789	.011/.0004 .059/.0023	23.00/0.906	F780	2	8104H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
7M8103HX Std.	2-7	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	1.991/0.0784	.036/.0014 .084/.0033	20.00/0.787	F780	12	8103HX U/L
	1	61.984/2.4403 62.001/2.4410	66.020/2.5992 66.035/2.5998	1.991/0.0784	.036/.0014 .084/.0033	23.00/0.906	F780	2	8104HX U/L
	Thrust								
2T8103 Std.	3	67.350/2.6516 67.600/2.6614	81.350/3.2027 81.600/3.2126			1.97/0.078	F817	4	8103T U/L
	Note : Set includes four pieces, use on No.3 position. Required with 7M8103H/HX main set.								
4 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
3967cc (4.0) (1UZFE)			**V8**	**87.5mm x 82.5mm**		**Connecting Rod 18 ft.lbs + 90 deg turn**			
4663cc (4.7) (2UZFE)			**V8**	**87.5mm x 82.5mm**		**Main Bearing 20 ft.lbs + 90 deg** (1UZFE - Nuts & 2UZFE) **Main Bearing 36 ft.lbs** (1UZFE Bolts only)			
	Rod - Race Series.								
8B8091H Std. .025 .25 .50		51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.496/0.0589	.010/.0004 .067/.0026	19.50/0.768	F781	16	8091H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
8B8091HX Std.		51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.483/0.0584	.035/.0014 .092/.0036	19.50/0.768	F781	16	8091HX IH
	Main - Race Series.								
5M8092H Std. .025 .25 .50	1,5	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.491/0.0981	.017/.0007 .061/.0024	22.50/0.886	F780	4	8092H U/L
	2,3,4	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.491/0.0981	.017/.0007 .061/.0024	19.50/0.768	F780	6	8093H U/L
	Main - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
5M8092HX Std.	1,5	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.478/0.0976	.042/.0017 .086/.0034	22.50/0.886	F780	4	8092HX U/L
	2,3,4	66.987/2.6373 67.000/2.6378	71.999/2.8346 72.014/2.8352	2.478/0.0976	.042/.0017 .086/.0034	19.50/0.768	F780	6	8093HX U/L
	Thrust								
2T8092 Std.	3	73.408/2.8901 (Nominal I.D.)	89.311/3.5162 (Nominal O.D.)				F817	4	8092T U/L
	Note : Set includes four pieces, use on No.3 position. Required with 5M8092H/HX main set.								
5 ENGINE		**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
4293cc (4.3) (3UZFE)			**V8**	**91mm x 82.5mm**					
	Rod - Race Series.								
8B8091H Std. .025 .25 .50		51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.496/0.0589	.010/.0004 .067/.0026	19.50/0.768	F781	16	8091H IH
	Rod - Race Series. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
8B8091HX Std.		51.981/2.0465 51.999/2.0472	55.001/2.1654 55.024/2.1663	1.483/0.0584	.035/.0014 .092/.0036	19.50/0.768	F781	16	8091HX IH

TRIUMPH ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1296cc (1.3).....			L4	70-72	1
1493cc (1.5).....			L4	73-74	1
1493cc (1.5).....	(FP)		L4	75-79	1
1493cc (1.5).....	(W)		L4	80-80	1
1998cc (2.0).....			L6	68-73	2
2498cc (2.5).....			L6	68-74	2
2498cc (2.5).....	(CF)		L6	75-76	2
3528cc (3.5).....		5	V8	81-82	3
3528cc (3.5).....		V	V8	78-80	3

TRIUMPH MODEL INDEX

Model	CID	cc	Liter	Description	Years
GT6		1998	2.0		68-73
SPITFIRE		1296	1.3		70-72
		1493	1.5		73-80
TR250		2498	2.5		68
TR6		2498	2.5		69-76
TR8		3528	3.5		80-82

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**1**
1296cc (1.3)				**L4**	**73.6mm x 76mm**	**Connecting Rod 45 ft. lbs**			
1493cc (1.5)				**L4**	**73.6mm x 87.6mm**	**Main Bearing 65 ft.lbs**			
1493cc (1.5) (FP)				**L4**	**73.6mm x 87.6mm**				
1493cc (1.5) (W)				**L4**	**73.6mm x 87.6mm**				
Rod - Non-Stock Items. Order ex-factory only.									
	47.625/1.8750 47.638/1.8755	51.333/2.0210 51.346/2.0215	1.837/0.0723	.021/.0008 .063/.0025	17.58/0.692	F820	8	2406AL IH	**4B2406** Std. 10 20 30 40
Main - Non-Stock Items. Order ex-factory only.									
	58.699/2.3110 58.712/2.3115	62.408/2.4570 62.420/2.4575	1.839/0.0724	.018/.0007 .059/.0023	21.71/0.855	F820	6	2407AL IH	**3M2407** Std. 10 20
Thrust - Non-Stock Items. Order ex-factory only.									
2	65.583/2.5820 65.837/2.5920	77.470/3.0500 77.724/3.0600			2.36/0.093	F820	2	2407T IH	**1T2407** Std.
Note : Set includes two pieces, use on No. 2 position. Required with 3M2407 main set.									
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**2**
1998cc (2.0)				**L6**	**74.7mm x 76mm**	**Connecting Rod 38-42 ft. lbs**			
2498cc (2.5)				**L6**	**74.7mm x 95mm**	**Main Bearing 55-60 ft.lbs**			
2498cc (2.5) (CF)				**L6**	**74.7mm x 95mm**				
Rod - Non-Stock Items. Order ex-factory only.									
	47.625/1.8750 47.638/1.8755	51.333/2.0210 51.346/2.0215	1.837/0.0723	.021/.0008 .063/.0025	17.58/0.692	F820	12	2406AL IH	**6B2406** Std. 10 20
Main - Non-Stock Items. Order ex-factory only.									
1-4	58.699/2.3110 58.712/2.3115	62.408/2.4570 62.420/2.4575	1.839/0.0724	.018/.0007 .059/.0023	21.71/0.855	F820	8	2407AL IH	**4M2407** Std. 10 20
Thrust - Non-Stock Items. Order ex-factory only.									
2	65.583/2.5820 65.837/2.5920	77.470/3.0500 77.724/3.0600			2.36/0.093	F820	2	2407T IH	**1T2407** Std.
Note : Set includes two pieces, use on No. 2 position. Required with 4M2407 main set.									
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**3**
3528cc (3.5)			**5**	**V8**	**88.9mm x 71mm**	**Connecting Rod 30-45 ft. lbs**			
3528cc (3.5)			**V**	**V8**	**88.9mm x 71mm**				
Rod - High Strength Aluminum Silicon material.									
	50.800/2.0000 50.813/2.0005	53.967/2.1247 53.980/2.1252	1.570/0.0618	.014/.0006 .066/.0026	18.84/0.742	F810	16	2226A IH	**8B610A** Std. 10 20 30 40

VOLKSWAGEN

VOLKSWAGEN ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
1457cc (1.5).....	(EH)		L4	78-80	1
1457cc (1.5).....	(FX)		L4	78-80	1
1471cc (1.5).....	Diesel (CK),Diesel		L4	77-80	1
1471cc (1.5).....	(FC)		L4	75-75	1
1471cc (1.5).....	(FG)		L4	75-75	1
1471cc (1.5).....	(XR)		L4	75-75	1
1471cc (1.5).....	(XS)		L4	75-75	1
1471cc (1.5).....	(XV)		L4	74-74	1
1471cc (1.5).....	(XW)		L4	74-74	1
1471cc (1.5).....	(XY)		L4	74-74	1
1471cc (1.5).....	(XZ)		L4	74-74	1
97 1588cc (1.6).....	(CR),Diesel	G	L4	81-83	3
97 1588cc (1.6).....	(CS),Diesel	G	L4	82-85	3
97 1588cc (1.6).....	(CY), Turbo,Diesel	H	L4	82-84	3
97 1588cc (1.6).....	(EE)		L4	77-77	1
97 1588cc (1.6).....	(EJ)		L4	79-80	1
97 1588cc (1.6).....	(FN)		L4	76-76	1
97 1588cc (1.6).....	(IV),Diesel	F	L4	92-92	2
97 1588cc (1.6).....	(IV),Diesel	G	L4	91-91	2
97 1588cc (1.6).....	(IV),Diesel	H	L4	91-92	2
97 1588cc (1.6).....	(JK),Diesel	G	L4	83-84	4
97 1588cc (1.6).....	(MD), Turbo,Diesel	H	L4	85-85	2
97 1588cc (1.6).....	(ME),Diesel	G	L4	85-92	2
97 1588cc (1.6).....	(ME),Diesel	H	L4	85-92	2
97 1588cc (1.6).....	(MF), Turbo,Diesel	H	L4	85-88	2
97 1588cc (1.6).....	(YG)		L4	76-80	1
97 1588cc (1.6).....	(YH)		L4	76-80	1
97 1588cc (1.6).....	(YK)		L4	76-76	1
1715cc (1.7).....	(EN)	A	L4	81-84	1
1715cc (1.7).....	(EN)	B	L4	81-84	1
1715cc (1.7).....	(JF)	A	L4	83-84	1
1715cc (1.7).....	(JF)	B	L4	82-83	1
1715cc (1.7).....	(WT)	A	L4	82-83	1
1780cc (1.8).....	(2H)	B	L4	90-90	5
1780cc (1.8).....	(ABG)	A	L4	91-93	5
1780cc (1.8).....	(ABG)	B	L4	91-93	5
1780cc (1.8).....	(GX)	A	L4	85-87	6
1780cc (1.8).....	(HT)	B	L4	85-86	6
1780cc (1.8).....	(JH)	A	L4	83-89	6
1780cc (1.8).....	(JH)	B	L4	84-89	6
1780cc (1.8).....	(JH)	C	L4	83-87	6
1780cc (1.8).....	(JN)	A	L4	84-90	6
1780cc (1.8).....	(JN)	B	L4	84-90	6
1780cc (1.8).....	(MZ)	A	L4	85-86	6
1780cc (1.8).....	(PF)	A	L4	88-92	5
1780cc (1.8).....	(PF)	B	L4	87-92	5
1780cc (1.8).....	(PF)	K	L4	90-92	5
1780cc (1.8).....	(PG), Supercharged	B	L4	90-92	6
1780cc (1.8).....	(PG), Supercharged	C	L4	91-92	6
1780cc (1.8).....	(PG), Supercharged	E	L4	91-92	6
1780cc (1.8).....	(PL)	B	L4	87-88	6
1780cc (1.8).....	(PL)	C	L4	87-89	6
1780cc (1.8).....	(RD)	B	L4	85-88	5
1780cc (1.8).....	(RV)	A	L4	88-92	5
1780cc (1.8).....	(RV)	B	L4	88-92	5
1780cc (1.8).....	(RV)	K	L4	90-92	5
1780cc (1.8).....	(UM)	A	L4	87-87	6
109 1780cc (1.8)...	(ACC)	B	L4	96-97	10
1781cc (1.8).....	(AEB), Turbo		L4	98-99	7
1781cc (1.8).....	(APH), Turbo		L4	99-00	8
1781cc (1.8).....	(ATW), Turbo		L4	00-01	9
1781cc (1.8).....	(AUG), Turbo		L4	00-00	9
1781cc (1.8).....	(AWD), Turbo		L4	00-01	9
1781cc (1.8).....	(AWM), Turbo		L4	01-05	9
1781cc (1.8).....	(AWP), Turbo		L4	02-05	9
1781cc (1.8).....	(AWV), Turbo		L4	01-04	9
1781cc (1.8).....	(AWW), Turbo		L4	00-04	9
109 1788cc (1.8)...	(ACC)		L4	93-95	10
109 1788cc (1.8)...	(ACC)	G	L4	95-95	10
109 1788cc (1.8)...	(ACC)	L	L4	93-93	10
109 1788cc (1.8)...	(ACC)	N	L4	93-94	10
109 1788cc (1.8)...	(PG), Supercharged	E	L4	93-94	6
116 1896cc (1.9)...	(1Z), Turbo,Diesel	G	L4	96-96	11
116 1896cc (1.9)...	(AAZ),Diesel		L4	93-95	11
116 1896cc (1.9)...	(AAZ), Turbo,Diesel	F	L4	96-96	11
116 1896cc (1.9)...	(AAZ), Turbo,Diesel	J	L4	96-96	11
116 1896cc (1.9)...	(AHU), Turbo,Diesel	F	L4	97-98	11
116 1896cc (1.9)...	(AHU), Turbo,Diesel	G	L4	97-97	11
116 1896cc (1.9)...	(AHU), Turbo,Diesel	J	L4	97-97	11
116 1896cc (1.9)...	(ALH), Turbo,Diesel		L4	99-04	11
116 1896cc (1.9)...	(ALH), Turbo,Diesel	F	L4	98-98	11
1984cc (2.0).....	(9A)	B	L4	90-94	12
1984cc (2.0).....	(9A)	C	L4	91-93	12
1984cc (2.0).....	(9A)	E	L4	90-92	12
1984cc (2.0).....	(9A)	J	L4	90-92	12
1984cc (2.0).....	(ABA)		L4	93-02	12
1984cc (2.0).....	(ABA)	A	L4	93-99	12
1984cc (2.0).....	(ABA)	B	L4	93-99	12
1984cc (2.0).....	(ABA)	C	L4	93-99	12
1984cc (2.0).....	(ABA)	L	L4	93-96	12
1984cc (2.0).....	(ABA)	R	L4	93-93	12
1984cc (2.0).....	(AEG)		L4	99-01	13
1984cc (2.0).....	(AEG)	B	L4	98-98	13
1984cc (2.0).....	(AVH)		L4	01-05	14
1984cc (2.0).....	(AZG)		L4	01-05	14
1984cc (2.0).....	(BDC)		L4	03-04	14
1984cc (2.0).....	(BEV)		L4	04-06	14
1984cc (2.0).....	(BGD)		L4	04-04	14
121 1984cc (2.0)...	(BPY), Turbo		L4	06-06	14
2144cc (2.2).....	(KM)	B	L5	84-85	15
2144cc (2.2).....	(WE)	B	L5	83-84	15
2226cc (2.2).....	(JT)	B	L5	86-87	16
2226cc (2.2).....	(KX)	B	L5	85-88	16
2226cc (2.2).....	(KX)	E	L5	85-86	16
150 2459cc (2.5)...	(AAF)	C	L5	92-94	17
150 2459cc (2.5)...	(AAF)	D	L5	93-94	17
150 2459cc (2.5)...	(ACU)	C	L5	95-95	17
150 2459cc (2.5)...	(ACU)	D	L5	95-95	17
150 2459cc (2.5)...	(ACU)	E	L5	95-95	17

VOLKSWAGEN MODEL INDEX

Model	CID	cc	Liter	Description	Years
BEETLE		1781	1.8		99-04
	116	1896	1.9		98-04
		1984	2.0		98-05
BEETLE - TURBO S		1781	1.8		02-04
CABRIO		1984	2.0		95-02
CABRIO - HIGHLINE		1984	2.0		97
CABRIOLET		1780	1.8		85-90
CORRADO		1780	1.8		90-92
DASHER		1471	1.5		74-75
		1471	1.5	Diesel	79-80
	97	1588	1.6		76-81
EUROVAN	150	2459	2.5		94-95
EUROVAN - CAMPER	150	2459	2.5		95
EUROVAN - CL	150	2459	2.5		92-93
EUROVAN - CV	150	2459	2.5		92-94
EUROVAN - GL	150	2459	2.5		92-93
EUROVAN - GLS	150	2459	2.5		95
EUROVAN - MV	150	2459	2.5		93
EUROVAN - TRANSPORT	150	2459	2.5		95
FOX		1780	1.8		87-93
FOX - GL		1780	1.8		87-93
FOX - GL SPORT		1780	1.8		89-90
GOLF	97	1588	1.6		85-92
		1780	1.8		85-89
		1781	1.8		00-01
	109	1788	1.8		93-95
	116	1896	1.9		93-04
		1984	2.0		98-05
GOLF - CL	109	1780	1.8		96-97
	109	1788	1.8		93-95
GOLF - GL	97	1588	1.6		87-92
		1780	1.8		87-92
	116	1896	1.9		99
		1984	2.0		93-06
GOLF - GLS		1984	2.0		99-06
GOLF - GT		1780	1.8		87-88
GOLF - GTI		1780	1.8		85-87
		1781	1.8		00-05

VOLKSWAGEN MODEL INDEX (Cont'd.)

Model	CID	cc	Liter	Description	Years
GOLF - GTI		1984	2.0		93-00
	121	1984	2.0		06
GOLF - GTI 16-VALVE		1780	1.8		87-89
		1984	2.0		90-92
GOLF - GTI 8-VALVE		1780	1.8		90-92
GOLF - III CELEBRATION EDITION		1984	2.0		95
GOLF - III CITY		1984	2.0		95
GOLF - III GL		1984	2.0		93-94
GOLF - III SPORT		1984	2.0		95
GOLF - JAZZ		1984	2.0		97
GOLF - K2		1984	2.0		97-98
GOLF - TDI	116	1896	1.9		96-99
GOLF - TREK		1984	2.0		97
JETTA	97	1588	1.6		80-92
		1780	1.8		85-92
		1781	1.8		03-05
	109	1788	1.8		93-95
	116	1896	1.9		93-95
		1984	2.0		98-05
JETTA - CARAT		1780	1.8		88-92
JETTA - CL	109	1788	1.8		94
JETTA - DELUXE	97	1588	1.6		81-86
		1715	1.7		81-84
		1780	1.8		84-86
JETTA - GL	97	1588	1.6		86-92
		1780	1.8		86-92
		1781	1.8		03
	109	1788	1.8		93
		1984	2.0		93-03
JETTA - GLI		1780	1.8		85-88
	121	1984	2.0		06
JETTA - GLI 16-VALVE		1780	1.8		87-89
		1984	2.0		90-92
JETTA - GLS		1781	1.8		00-04
		1984	2.0		96-03
JETTA - GT		1984	2.0		97-98
JETTA - GTX 16-V		1984	2.0		90-92
JETTA - III CELEBRATION EDITION		1984	2.0		95
JETTA - III CITY		1984	2.0		95
JETTA - III GL		1984	2.0		93-95
JETTA - III GLS		1984	2.0		93-95
JETTA - JAZZ		1984	2.0		97
JETTA - K2		1984	2.0		98
JETTA - TDI	116	1896	1.9		96-04
JETTA - TREK		1984	2.0		96
JETTA - TREK II		1984	2.0		97
JETTA - WOLFSBURG EDITION		1984	2.0		96
PASSAT		1780	1.8		91-92
		1781	1.8		99-05
	109	1788	1.8		93-94
	116	1896	1.9		93-94
		1984	2.0		90-94
PASSAT - 2.0T	121	1984	2.0		06
PASSAT - CL		1984	2.0		92
PASSAT - GL		1984	2.0		90-93
PASSAT - GLS		1781	1.8		98
PASSAT - GLS		1984	2.0		95-96
PASSAT - SYNCRO		1780	1.8		92
PASSAT - TDI	116	1896	1.9		96-98
PASSAT - VALUE EDITION	121	1984	2.0		06
QUANTUM	97	1588	1.6		85
		1780	1.8		85
		2144	2.2		85
		2226	2.2		85-87
QUANTUM - CUSTOM	97	1588	1.6		83
		1715	1.7		82-83
		2144	2.2		83
QUANTUM - DLX	97	1588	1.6		82-83
		1715	1.7		82-83
QUANTUM - GL		2226	2.2		88
QUANTUM - GL CUSTOM	97	1588	1.6		84-85
		1780	1.8		84-85
		2144	2.2		84-85
		2226	2.2		85-87
QUANTUM - GL DELUXE		1780	1.8		84
		2144	2.2		84
QUANTUM - SYNCRO		2226	2.2		86-88
RABBIT		1457	1.5		78-80
		1471	1.5		75
		1471	1.5	Diesel	77-80
	97	1588	1.6		76-80
		1715	1.7		81-82
		1780	1.8		83-84
RABBIT - GL DLX	97	1588	1.6		83
		1715	1.7		83
RABBIT - GTI SPORT		1715	1.7		83
		1780	1.8		83
RABBIT - L	97	1588	1.6		83-84
		1715	1.7		83-84
RABBIT - L CUSTOM	97	1588	1.6		81-82
		1715	1.7		82
RABBIT - LS CUSTOM	97	1588	1.6		83
		1715	1.7		83
RABBIT - LS DELUXE	97	1588	1.6		81-82
		1715	1.7		82
RABBIT CONVERTIBLE	97	1588	1.6		80
		1715	1.7		81-83
		1780	1.8		84
RABBIT PICKUP		1457	1.5		80
	97	1588	1.6		80-83
		1715	1.7		81-83
SCIROCCO		1457	1.5		78
		1471	1.5		75
	97	1588	1.6		76-80
		1780	1.8		88-89
SCIROCCO - 16-VALVE		1780	1.8		87-88
SCIROCCO - DLX		1715	1.7		81-83
		1780	1.8		83-87
TRANSPORTER	150	2459	2.5		92-93
VANAGON	97	1588	1.6		82-85
VANAGON - CAMPMOBILE	97	1588	1.6		82-83

VOLKSWAGEN

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**		**TORQUE SETTINGS**			
1457cc (1.5) (EH)			**L4**	**79.5mm x 73mm**		**Connecting Rod 33 ft. lbs./45 Nm**			
1457cc (1.5) (FX)			**L4**	**79.5mm x 73mm**		**Main Bearing 47 ft. lbs/64 Nm**			
1471cc (1.5) Diesel (CK) Diesel			**L4**	**76.5mm x 80mm**					
1471cc (1.5) (FC)			**L4**	**76.5mm x 80mm**					
1471cc (1.5) (FG)			**L4**	**76.5mm x 80mm**					
1471cc (1.5) (XR)			**L4**	**76.5mm x 80mm**					
1471cc (1.5) (XS)			**L4**	**76.5mm x 80mm**					
1471cc (1.5) (XV)			**L4**	**76.5mm x 80mm**					
1471cc (1.5) (XW)			**L4**	**76.5mm x 80mm**					
1471cc (1.5) (XY)			**L4**	**76.5mm x 80mm**					
1471cc (1.5) (XZ)			**L4**	**76.5mm x 80mm**					
97 1588cc (1.6) (EE)			**L4**	**79.5mm x 80mm**					
97 1588cc (1.6) (EJ)			**L4**	**79.5mm x 80mm**					
97 1588cc (1.6) (FN)			**L4**	**79.5mm x 80mm**					
97 1588cc (1.6) (YG)			**L4**	**79.5mm x 80mm**					
97 1588cc (1.6) (YH)			**L4**	**79.5mm x 80mm**					
97 1588cc (1.6) (YK)			**L4**	**79.5mm x 80mm**					
1715cc (1.7) (EN)			**A L4**	**79.5mm x 86mm**					
1715cc (1.7) (EN)			**B L4**	**79.5mm x 86mm**					
1715cc (1.7) (JF)			**A L4**	**79.5mm x 86mm**					
1715cc (1.7) (JF)			**B L4**	**79.5mm x 86mm**					
1715cc (1.7) (WT)			**A L4**	**79.5mm x 86mm**					
	Rod								
4B1636 Std. .25 .50 .75 1.0		45.949/1.8090 45.969/1.8098	49.000/1.9291 49.017/1.9298	1.506/0.0593	.018/.0007 .082/.0032	19.00/0.748	F780	8	1636 IH
	Main - fully grooved on #4 position and half groove in position #1,2,3,5.								
5M1643 Std. .25 .50 .75 1.0	1,2,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	3	1644 L
	1,2,4,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	4	1648 U
	4	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	1	1648 L
	3 (Fl)	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	25.43/1.001	F780	2	1643 U/L
	*optional set to 5M1645 with +0.4 mm increase in flange width. *See below for dimensional information.*								

*** DIMENSIONAL INFORMATION FOR 5M1643**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	25.43 mm	+0.4 mm
0.50 mm u/s shaft	25.43 mm	+0.4 mm
0.75 mm u/s shaft	25.43 mm	+0.4 mm
1.00 mm u/s shaft	25.43 mm	+0.4 mm

	Main - fully grooved on #4 position and half groove in position #1,2,3,5.								
5M1645 Std. .25 .50 .75 1.0	1,2,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	3	1644 L
	1,2,4,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	4	1648 U
	4	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	1	1648 L
	3 (Fl)	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	24.93/0.981	F780	2	1645 U/L
	Overflange length remains constant for standard and undersizes.								
	Small End - not bored, single pieces.								
RB4053 Semi		21.996/0.8660 22.000/0.8661	25.000/0.9843 25.033/0.9855			25.00/0.984	F100	1	RB4053
	AR Auxiliary - Not bored (semi finished I.D.)								
2BS7006 Semi	1	42.959/1.6913 42.975/1.6919	46.000/1.8110 46.025/1.8120			15.00/0.591	F23	1	7006
	2	41.959/1.6519 41.975/1.6526	45.000/1.7717 45.025/1.7726			15.00/0.591	F23	1	7007

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 1
AR Auxiliary - Bored O.D.									
1	42.959/1.6913 42.974/1.6919	45.999/1.8110 46.025/1.8120	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-1	**2C1209S** Std.
2	41.958/1.6519 41.974/1.6525	44.999/1.7716 45.024/1.7726	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-2	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
97 1588cc (1.6) (IV) Diesel	**F**	**L4**	**76.5mm x 86.4mm**	**Connecting Rod 22 ft.lbs/30 Nm + 90 deg** (Turbo)
97 1588cc (1.6) (IV) Diesel	**G**	**L4**	**76.5mm x 86.4mm**	**Connecting Rod 33 ft. lbs/45 Nm** (Non-Turbo)
97 1588cc (1.6) (IV) Diesel	**H**	**L4**	**76.5mm x 86.4mm**	**Main Bearing 48 ft. lbs/65 Nm**
97 1588cc (1.6) (MD) Turbo Diesel	**H**	**L4**	**76.5mm x 86.4mm**	
97 1588cc (1.6) (ME) Diesel	**G**	**L4**	**76.5mm x 86.4mm**	
97 1588cc (1.6) (ME) Diesel	**H**	**L4**	**76.5mm x 86.4mm**	
97 1588cc (1.6) (MF) Turbo Diesel	**H**	**L4**	**76.5mm x 86.4mm**	

Rod - (no oil hole)									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.406/0.0554	.010/.0004 .075/.0030	19.00/0.748	F780	8	1076 IH	**4B1076** Std. .25 .50 .75 1.0
Main									
1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	5	1648 U	**5M1653** Std. .25 .50 .75 1.0
1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	5	1644 L	
Thrust									
	59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L	**2T1644** Std.

Note : Set includes four pieces. Required with 5M1653 main set.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
97 1588cc (1.6) (CR) Diesel	**G**	**L4**	**76.5mm x 86.4mm**	**Connecting Rod 22 ft.lbs/30 Nm + 90 deg** (Turbo)
97 1588cc (1.6) (CS) Diesel	**G**	**L4**	**76.5mm x 86.4mm**	**Connecting Rod 33 ft. lbs/45 Nm** (Non-Turbo)
97 1588cc (1.6) (CY) Turbo Diesel	**H**	**L4**	**76.5mm x 86.4mm**	**Main Bearing 48 ft. lbs/65 Nm**

Rod - (no oil hole)									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.406/0.0554	.010/.0004 .075/.0030	19.00/0.748	F780	8	1076 IH	**4B1076** Std. .25 .50 .75 1.0
Main - Fully grooved on #4 position and half groove in position #1,2,3,5.									
1,2,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	3	1644 L	**5M1643** Std. .25 .50 .75 1.0
1,2,4,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	4	1648 U	
4	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	1	1648 L	
3 (FI)	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	25.43/1.001	F780	2	1643 U/L	

*Note : Optional set to 5M1645 with +0.4 mm increase in flange width. *See below for dimensional information.*

*** DIMENSIONAL INFORMATION FOR 5M1643**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	25.43 mm	+0.4 mm
0.50 mm u/s shaft	25.43 mm	+0.4 mm
0.75 mm u/s shaft	25.43 mm	+0.4 mm
1.00 mm u/s shaft	25.43 mm	+0.4 mm

VOLKSWAGEN

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
3 (Cont'd.)									
	Main - Fully grooved on #4 position and half groove in position #1,2,3,5.								
5M1645 Std. .25 .50 .75 1.0	1,2,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	3	1644 L
	1,2,4,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	4	1648 U
	4	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	1	1648 L
	3 (Fl)	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	24.93/0.981	F780	2	1645 U/L
	Overflange length remains constant for standard and undersizes.								

4 ENGINE | **VIN** G | **CYL** L4 | **Bore x Stroke** 76.5mm x 86.4mm

97 1588cc (1.6) (JK) Diesel

TORQUE SETTINGS
Connecting Rod 22 ft.lbs/30 Nm + 90 deg (Turbo)
Connecting Rod 33 ft. lbs/45 Nm (Non-Turbo)
Main Bearing 48 ft. lbs/65 Nm

	Rod - (no oil hole)								
4B1076 Std. .25 .50 .75 1.0		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.406/0.0554	.010/.0004 .075/.0030	19.00/0.748	F780	8	1076 IH
	Main - Fully grooved on #4 position and half groove in position #1,2,3,5.								
5M1643 Std. .25 .50 .75 1.0	1,2,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	3	1644 L
	1,2,4,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	4	1648 U
	4	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	1	1648 L
	3 (Fl)	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	25.43/1.001	F780	2	1643 U/L
	*Note : Optional set to 5M1645 with +0.4 mm increase in flange width. *See below for dimensional information.*								

*** DIMENSIONAL INFORMATION FOR 5M1643**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	25.43 mm	+0.4 mm
0.50 mm u/s shaft	25.43 mm	+0.4 mm
0.75 mm u/s shaft	25.43 mm	+0.4 mm
1.00 mm u/s shaft	25.43 mm	+0.4 mm

	Main - Fully grooved on #4 position and half groove in position #1,2,3,5.								
5M1645 Std. .25 .50 .75 1.0	1,2,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	3	1644 L
	1,2,4,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	4	1648 U
	4	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	1	1648 L
	3 (Fl)	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	24.93/0.981	F780	2	1645 U/L
	Overflange length remains constant for standard and undersizes.								
	Main - For engines equipped with thrustwashers - half groove set.								
5M1653 Std. .25 .50 .75 1.0	1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	5	1648 U
	1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	5	1644 L
	Thrust								
2T1644 Std.		59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L
	Note : Set includes 4 pieces. Required with 5M1653 main set.								

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS
1780cc (1.8) (2H)	B	L4	81mm x 86mm	Connecting Rod 22 ft.lbs/30 Nm + 90 deg
1780cc (1.8) (ABG)	A	L4	81mm x 86mm	Main Bearing 50 ft.lbs/68 Nm
1780cc (1.8) (ABG)	B	L4	81mm x 86mm	
1780cc (1.8) (PF)	A	L4	81mm x 86mm	
1780cc (1.8) (PF)	B	L4	81mm x 86mm	
1780cc (1.8) (PF)	K	L4	81mm x 86mm	
1780cc (1.8) (RD)	B	L4	81mm x 86mm	
1780cc (1.8) (RV)	A	L4	81mm x 86mm	
1780cc (1.8) (RV)	B	L4	81mm x 86mm	
1780cc (1.8) (RV)	K	L4	81mm x 86mm	

5

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
Rod - For engines without oil hole in bearing.									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.406/0.0554	.010/.0004 .075/.0030	19.00/0.748	F780	8	1076 IH	**4B1076** Std. .25 .50 .75 1.0
Rod - For engines with oil hole in bearing. To be superceded by 4B1606A when stock exhausted.									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F780	8	1606 IH	**4B1606** Std. .25 .50 .75 1.0
Rod - For engines with oil hole in bearing. High Strength Aluminum Silicon material.									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	8	1606A IH	**4B1606A** Std. .25 .50 .75 1.0
Main - Fully grooved on #4 position and half groove in position 1,2,3,5. For engines equipped with thrustwashers.									
1,2,3,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.50/0.728	F780	4	1644 L	**5M1644** Std. .25 .50 .75
1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.50/0.728	F780	6	1648 U	
Main - Half groove set. For engines equipped with thrustwashers.									
1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	5	1648 U	**5M1653** Std. .25 .50 .75 1.0
1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	5	1644 L	
Thrust									
	59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L	**2T1644** Std.
Note : Set contains four pieces. Required with 5M1644/5M1653 main sets.									
AR Auxiliary - Not bored (semi finished I.D.)									
1	42.959/1.6913 42.975/1.6919	46.000/1.8110 46.025/1.8120			15.00/0.591	F23	1	7006	**2BS7006** Semi
2	41.959/1.6519 41.975/1.6526	45.000/1.7717 45.025/1.7726			15.00/0.591	F23	1	7007	
AR Auxiliary - Finished bush (bored I.D.)									
1	42.959/1.6913 42.974/1.6919	45.999/1.8110 46.025/1.8120	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-1	**2C1209S** Std.
2	41.958/1.6519 41.974/1.6525	44.999/1.7716 45.024/1.7726	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-2	

VOLKSWAGEN

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.

6 ENGINE

VIN	CYL	Bore x Stroke
A	L4	81mm x 86.4mm
B	L4	81mm x 86.4mm
A	L4	81mm x 86.4mm
B	L4	81mm x 86.4mm
C	L4	81mm x 86.4mm
A	L4	81mm x 86.4mm
B	L4	81mm x 86.4mm
A	L4	81mm x 86.4mm
B	L4	81mm x 86.4mm
C	L4	81mm x 86.4mm
E	L4	81mm x 86.4mm
B	L4	81mm x 86.4mm
C	L4	81mm x 86.4mm
A	L4	81mm x 86.4mm
E	L4	81mm x 86.4mm

TORQUE SETTINGS

Connecting Rod 22 ft.lbs/30 Nm + 90 deg
Main Bearing 50 ft.lbs/68 Nm

Rod - For engines without oil hole in bearing.

4B1076 Std. .25 .50 .75 1.0		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.406/0.0554	.010/.0004 .075/.0030	19.00/0.748	F780	8	1076 IH

Rod - For engines with oil hole in bearing. To be superceded by 4B1606A when stock exhausted.

4B1606 Std. .25 .50 .75 1.0		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F780	8	1606 IH

Rod - For engines with oil hole in bearing. High Strength Aluminum Silicon material.

4B1606A Std. .25 .50 .75 1.0		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	8	1606A IH

Main - Fully grooved on #4 position and half groove in position #1,2,3,5.

5M1643 Std. .25 .50 .75 1.0	1,2,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	3	1644 L
	1,2,4,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	4	1648 U
	4	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	1	1648 L
	3 (FI)	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	25.43/1.001	F780	2	1643 U/L

*Optional set to 5M1645 with +0.4 mm increase in flange width. *See below for dimensional information.*

*** DIMENSIONAL INFORMATION FOR 5M1643**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	25.43 mm	+0.4 mm
0.50 mm u/s shaft	25.43 mm	+0.4 mm
0.75 mm u/s shaft	25.43 mm	+0.4 mm
1.00 mm u/s shaft	25.43 mm	+0.4 mm

Main - Fully grooved on #4 position and half groove in position 1,2,3,5. For engines equipped with thrustwashers.

5M1644 Std. .25 .50 .75	1,2,3,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.50/0.728	F780	4	1644 L
	1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.50/0.728	F780	6	1648 U

Main - Fully grooved on #4 position and half groove in position #1,2,3,5.

5M1645 Std. .25 .50 .75 1.0	1,2,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	3	1644 L
	1,2,4,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	4	1648 U
	4	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	1	1648 L
	3 (FI)	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	24.93/0.981	F780	2	1645 U/L

Overflange length remains constant for standard and undersizes.

Thrust

2T1644 Std.		59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L

Note : Set contains four pieces. Required with 5M1644 main set.

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 6
AR Auxiliary - Not bored (semi finished I.D.)									
1	42.959/1.6913 42.975/1.6919	46.000/1.8110 46.025/1.8120			15.00/0.591	F23	1	7006	**2BS7006** Semi
2	41.959/1.6519 41.975/1.6526	45.000/1.7717 45.025/1.7726			15.00/0.591	F23	1	7007	
AR Auxiliary - Finished bush (bored I.D.)									
1	42.959/1.6913 42.974/1.6919	45.999/1.8110 46.025/1.8120	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-1	**2C1209S** Std.
2	41.958/1.6519 41.974/1.6525	44.999/1.7716 45.024/1.7726	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-2	
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				7
1781cc (1.8) (AEB) Turbo			**L4**	**81mm x 86.4mm**	**Connecting Rod 22 ft.lbs/30 Nm + 90 deg Main Bearing 48 ft.lbs/65 Nm + 90 deg**				
Rod - Race Series material.									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F781	8	1606H IH	**4B1606H** Std. .025 .25 .50
Rod - Race Series material. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.392/0.0548	.037/.0015 .102/.0040	19.00/0.748	F781	8	1606HX IH	**4B1606HX** Std.
Main - Fully grooved on #4 position and half groove in position 1,2,3,5.									
1,2,3,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.50/0.728	F780	4	1644 L	**5M1644** Std. .25 .50 .75
1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.50/0.728	F780	6	1648 U	
Thrust									
	59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L	**2T1644** Std.
Note : Set contains four pieces. Required with 5M1644 main set.									
ENGINE		**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**				8
1781cc (1.8) (APH) Turbo			**L4**	**81mm x 86.4mm**	**Connecting Rod 22 ft.lbs/30 Nm + 90 deg Main Bearing 48 ft.lbs/65 Nm + 90 deg**				
Rod - Race Series material.									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F781	8	1606H IH	**4B1606H** Std. .025 .25 .50
Rod - Race Series material. Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.392/0.0548	.037/.0015 .102/.0040	19.00/0.748	F781	8	1606HX IH	**4B1606HX** Std.
Main - Half groove set.									
1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	5	1648 U	**5M1653** Std. .25 .50 .75 1.0
1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	5	1644 L	
Thrust									
	59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L	**2T1644** Std.
Note : Set contains four pieces. Required with 5M1653 main set.									

VOLKSWAGEN

ACL Engine Bearings

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
9 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
1781cc (1.8) (ATW) Turbo				**L4**	**81mm x 86.4mm**				
1781cc (1.8) (AUG) Turbo				**L4**	**81mm x 86.4mm**				
1781cc (1.8) (AWD) Turbo				**L4**	**81mm x 86.4mm**				
1781cc (1.8) (AWM) Turbo				**L4**	**81mm x 86.4mm**				
1781cc (1.8) (AWP) Turbo				**L4**	**81mm x 86.4mm**				
1781cc (1.8) (AWV) Turbo				**L4**	**81mm x 86.4mm**				
1781cc (1.8) (AWW) Turbo				**L4**	**81mm x 86.4mm**				
	Rod - Bearing has no tang.								
4B1615A Std. .25 .50 .75		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .067/.0026	18.50/0.728	F810	8	1615A IH
	Main - Half groove set.								
5M1668A Std. .25 .50 .75	1-5	53.963/2.1245 53.983/2.1253	59.000/2.3228 59.010/2.3232	2.508/0.0987	.006/.0002 .061/.0024	18.50/0.728	F810	5	1668A U
	1-5	53.963/2.1245 53.983/2.1253	59.000/2.3228 59.010/2.3232	2.508/0.0987	.006/.0002 .061/.0024	18.50/0.728	F810	5	1669A L
	Thrust								
2T1644 Std.		59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L
Note : Set contains four pieces. Required with 5M1668A main set.									
10 ENGINE			**VIN**	**CYL**	**Bore x Stroke**		**TORQUE SETTINGS**		
109 1780cc (1.8) (ACC)			**B**	**L4**	**81mm x 86.4mm**				
109 1788cc (1.8) (ACC)				**L4**	**81mm x 86.4mm**				
109 1788cc (1.8) (ACC)			**G**	**L4**	**81mm x 86.4mm**				
109 1788cc (1.8) (ACC)			**L**	**L4**	**81mm x 86.4mm**				
109 1788cc (1.8) (ACC)			**N**	**L4**	**81mm x 86.4mm**				
	Rod - High Strength Aluminum Silicon material.								
4B1606A Std. .25 .50 .75 1.0		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	8	1606A IH
	Main - Fully grooved on #4 position and half groove in position 1,2,3,5.								
5M1644 Std. .25 .50 .75	1,2,3,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.50/0.728	F780	4	1644 L
	1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.50/0.728	F780	6	1648 U
	Thrust								
2T1644 Std.		59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L
Note : Set contains four pieces. Required with 5M1644 main set.									

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**11**
116 1896cc (1.9) (1Z) Turbo Diesel			**G**	**L4**	**79.5mm x 95.5mm**	**Connecting Rod 22 ft.lbs/30 Nm + 90 deg**			
116 1896cc (1.9) (AAZ) Diesel				**L4**	**79.5mm x 95.5mm**	**Main Bearing 48 ft.lbs/65 Nm**			
116 1896cc (1.9) (AAZ) Turbo Diesel			**F**	**L4**	**79.5mm x 95.5mm**				
116 1896cc (1.9) (AAZ) Turbo Diesel			**J**	**L4**	**79.5mm x 95.5mm**				
116 1896cc (1.9) (AHU) Turbo Diesel			**F**	**L4**	**79.5mm x 95.5mm**				
116 1896cc (1.9) (AHU) Turbo Diesel			**G**	**L4**	**79.5mm x 95.5mm**				
116 1896cc (1.9) (AHU) Turbo Diesel			**J**	**L4**	**79.5mm x 95.5mm**				
116 1896cc (1.9) (ALH) Turbo Diesel				**L4**	**79.5mm x 95.5mm**				
116 1896cc (1.9) (ALH) Turbo Diesel			**F**	**L4**	**79.5mm x 95.5mm**				
Main - Half groove set. For engines equipped with thrustwashers.									
1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	5	1648 U	**5M1653** Std. .25 .50 .75 1.0
1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.49/0.728	F780	5	1644 L	
Thrust									
	59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L	**2T1644** Std.
Note : Set contains four pieces. Required with 5M1653 main sets.									
AR Auxiliary - Not bored (semi finished I.D.)									
1	42.959/1.6913 42.975/1.6919	46.000/1.8110 46.025/1.8120			15.00/0.591	F23	1	7006	**2BS7006** Semi
2	41.959/1.6519 41.975/1.6526	45.000/1.7717 45.025/1.7726			15.00/0.591	F23	1	7007	
AR Auxiliary - Finished bush (bored I.D.)									
1	42.959/1.6913 42.974/1.6919	45.999/1.8110 46.025/1.8120	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-1	**2C1209S** Std.
2	41.958/1.6519 41.974/1.6525	44.999/1.7716 45.024/1.7726	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-2	
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**12**
1984cc (2.0) (9A)			**B**	**L4**	**82.5mm x 92.8mm**	**Connecting Rod 22 ft.lbs/30 Nm + 90 deg**			
1984cc (2.0) (9A)			**C**	**L4**	**82.5mm x 92.8mm**	**Main Bearing 50 ft.lbs/68 Nm**			
1984cc (2.0) (9A)			**E**	**L4**	**82.5mm x 92.8mm**				
1984cc (2.0) (9A)			**J**	**L4**	**82.5mm x 92.8mm**				
1984cc (2.0) (ABA)				**L4**	**82.5mm x 92.8mm**				
1984cc (2.0) (ABA)			**A**	**L4**	**82.5mm x 92.8mm**				
1984cc (2.0) (ABA)			**B**	**L4**	**82.5mm x 92.8mm**				
1984cc (2.0) (ABA)			**C**	**L4**	**82.5mm x 92.8mm**				
1984cc (2.0) (ABA)			**L**	**L4**	**82.5mm x 92.8mm**				
1984cc (2.0) (ABA)			**R**	**L4**	**82.5mm x 92.8mm**				
Rod - To be superceded by 4B1606A when stock exhausted.									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F780	8	1606 IH	**4B1606** Std. .25 .50 .75 1.0
Rod - High Strength Aluminum Silicon material.									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	8	1606A IH	**4B1606A** Std. .25 .50 .75 1.0
Main - Fully grooved on #4 position and half groove in position #1,2,3,5.									
1,2,3,5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.50/0.728	F780	4	1644 L	**5M1644** Std. .25 .50 .75
1-5	53.958/2.1243 53.978/2.1251	59.000/2.3228 59.019/2.3236	2.502/0.0985	.018/.0007 .083/.0033	18.50/0.728	F780	6	1648 U	

VOLKSWAGEN

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
12 (Cont'd.)									
	Thrust								
2T1644 Std.		59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L
	Note : Set includes four pieces. Required with 5M1644 main set.								
	AR Auxiliary - Not bored (semi finished I.D.)								
2BS7006 Semi	1	42.959/1.6913 42.975/1.6919	46.000/1.8110 46.025/1.8120			15.00/0.591	F23	1	7006
	2	41.959/1.6519 41.975/1.6526	45.000/1.7717 45.025/1.7726			15.00/0.591	F23	1	7007
	AR Auxiliary - Finished bush (bored I.D.)								
2C1209S Std.	1	42.959/1.6913 42.974/1.6919	45.999/1.8110 46.025/1.8120	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-1
	2	41.958/1.6519 41.974/1.6525	44.999/1.7716 45.024/1.7726	1.499/0.0590	.028/.0011 .084/.0033	14.99/0.590	F23	1	VWG-1-2

13 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1984cc (2.0) (AEG)		**L4**	**82.5mm x 92.8mm**	**Connecting Rod 22 ft.lbs/30 Nm + 90 deg**
1984cc (2.0) (AEG)	**B**	**L4**	**82.5mm x 92.8mm**	**Main Bearing 48 ft.lbs/65 Nm + 90 deg**

	Rod - (oil hole in bearing)								
4B1606A Std. .25 .50 .75 1.0		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	8	1606A IH
	Main - Half groove set.								
5M1668A Std. .25 .50 .75	1-5	53.963/2.1245 53.983/2.1253	59.000/2.3228 59.010/2.3232	2.508/0.0987	.006/.0002 .061/.0024	18.50/0.728	F810	5	1668A U
	1-5	53.963/2.1245 53.983/2.1253	59.000/2.3228 59.010/2.3232	2.508/0.0987	.006/.0002 .061/.0024	18.50/0.728	F810	5	1669A L
	Thrust								
2T1644 Std.		59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L
	Note : Set includes four pieces. Required with 5M1668A main set.								

14 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
1984cc (2.0) (AVH)		**L4**	**82.5mm x 92.8mm**	
1984cc (2.0) (AZG)		**L4**	**82.5mm x 92.8mm**	
1984cc (2.0) (BDC)		**L4**	**82.5mm x 92.8mm**	
1984cc (2.0) (BEV)		**L4**	**82.5mm x 92.8mm**	
1984cc (2.0) (BGD)		**L4**	**82.5mm x 92.8mm**	
121 1984cc (2.0) (BPY) Turbo		**L4**	**82.5mm x 92.8mm**	

	Rod - Bearing has no tang.								
4B1615A Std. .25 .50 .75		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .067/.0026	18.50/0.728	F810	8	1615A IH
	Main - Half groove set.								
5M1668A Std. .25 .50 .75	1-5	53.963/2.1245 53.983/2.1253	59.000/2.3228 59.010/2.3232	2.508/0.0987	.006/.0002 .061/.0024	18.50/0.728	F810	5	1668A U
	1-5	53.963/2.1245 53.983/2.1253	59.000/2.3228 59.010/2.3232	2.508/0.0987	.006/.0002 .061/.0024	18.50/0.728	F810	5	1669A L
	Thrust - Excludes BPY engines.								
2T1644 Std.		59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L
	Note : Set contains four pieces. Required with 5M1668A main set.								

15 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2144cc (2.2) (KM)	**B**	**L5**	**79.5mm x 86.4mm**	**Connecting Rod 36 ft.lbs/50 Nm**
2144cc (2.2) (WE)	**B**	**L5**	**79.5mm x 86.4mm**	**Main Bearing 47 ft.lbs/64 Nm**

	Rod - for 1984-85 engines only (with oil hole).								
5B1606A Std. .25 .50 .75 1.0		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	10	1606A IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 15
Rod - for 1983 engines only.									
	45.949/1.8090 45.969/1.8098	49.000/1.9291 49.017/1.9298	1.506/0.0593	.019/.0007 .082/.0032	19.00/0.748	F780	10	1636 IH	**5B1636** Std. .25 .50 .75 1.0
Main									
1,2,4,5,6	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	18.50/0.728	F780	10	1604 U/L	**6M1605** Std. .25 .50 .75
3 (FI)	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	24.93/0.982	F780	2	1605 U/L	
Small End - not bored, single pieces.									
	21.996/0.8660 22.000/0.8661	25.000/0.9843 25.033/0.9855			25.00/0.984	F100	1	RB4053	**RB4053** Semi

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 16
2226cc (2.2) (JT)	**B**	**L5**	**81mm x 86.4mm**	**Connecting Rod 22 ft.lbs/30 Nm + 90 deg**
2226cc (2.2) (KX)	**B**	**L5**	**81mm x 86.4mm**	**Main Bearing 47 ft.lbs/64 Nm**
2226cc (2.2) (KX)	**E**	**L5**	**81mm x 86.4mm**	

Rod									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	10	1606A IH	**5B1606A** Std. .25 .50 .75 1.0
Main - Half groove set.									
1-6	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	18.50/0.728	F780	12	1604 U/L	**6M1604** Std. .25 .50 .75
Thrust									
	59.500/2.3425 (ID)	73.200/2.8819 (OD)			1.98/0.078	F817	4	1644T U/L	**2T1644** Std.

Note : Set includes four pieces. Required with 6M1604 main set.

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 17
150 2459cc (2.5) (AAF)	**C**	**L5**	**81mm x 95.5mm**	**Connecting Rod 22 ft.lbs/30 Nm + 90 deg**
150 2459cc (2.5) (AAF)	**D**	**L5**	**81mm x 95.5mm**	**Main Bearing 50 ft.lbs/68 Nm**
150 2459cc (2.5) (ACU)	**C**	**L5**	**81mm x 95.5mm**	
150 2459cc (2.5) (ACU)	**D**	**L5**	**81mm x 95.5mm**	
150 2459cc (2.5) (ACU)	**E**	**L5**	**81mm x 95.5mm**	

Rod - oil hole in crown of bearing.									
	47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F810	10	1606A IH	**5B1606A** Std. .25 .50 .75 1.0
Main - Requires thrustwasher set.									
1-6	57.958/2.2818 57.978/2.2826	63.000/2.4803 63.019/2.4811	2.502/0.0985	.022/.0009 .087/.0034	18.50/0.728	F780	12	1604 U/L	**6M1604** Std. .25 .50 .75

VOLKSWAGEN PERFORMANCE

ACL Engine Bearings

VOLKSWAGEN PERFORMANCE ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line	Engine Disp.	Notation	VIN	Cyl.	Year	Line
1780cc (1.8).....			L4	83-97	1	1984cc (2.0).....			L4	90-01	1
1781cc (1.8).....	Turbo		L4	98-06	1						

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			
1780cc (1.8)				**L4**	**81mm x 86.4mm**				
1781cc (1.8) Turbo				**L4**	**81mm x 86.4mm**				
1984cc (2.0)				**L4**	**82.5mm x 92.8mm**				
	Rod - Bearing has oil hole.								
4B1606H Std. .025 .25 .50		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.405/0.0553	.012/.0005 .077/.0030	19.00/0.748	F781	8	1606H IH
	Rod - Bearings are .0005" thinner per half to give .001" extra clearance on standard sized crankshafts.								
4B1606HX Std.		47.758/1.8802 47.778/1.8810	50.600/1.9921 50.619/1.9929	1.392/0.0548	.037/.0015 .102/.0040	19.00/0.748	F781	8	1606HX IH

VOLVO ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
112 1780cc (1.8)...	OHV	B18	L4	62-67	1
112 1780cc (1.8)...	OHV (B18)		L4	68-68	1
1990cc (2.0).....	OHV (B20B)		L4	69-71	1
1990cc (2.0).....	OHV (B20E)		L4	70-75	1
2127cc (2.1).....	OHC (B21F)	4	L4	80-82	2
2127cc (2.1).....	OHC (B21F)	41	L4	76-79	2
2127cc (2.1).....	OHC (B21FT), Turbo	4	L4	81-85	2
2316cc (2.3).....	SOHC (B230F)	8	L4	85-93	3
2316cc (2.3).....	SOHC (B230FD)	8	L4	94-95	3
2316cc (2.3).....	SOHC (B230FT), Turbo	8	L4	85-95	3
2316cc (2.3).....	DOHC (B234F)	8	L4	90-93	3
2316cc (2.3).....	OHC (B23F)	8	L4	83-84	2
2316cc (2.3).....	OHC (B23FT), Turbo	8	L4	84-84	2
2980cc (3.0).....	OHV (B30A)		L6	68-71	4
2980cc (3.0).....	OHV (B30E)		L6	72-75	4

VOLVO MODEL INDEX

Model	CID	cc	Liter	Description	Years
122 - S	112	1780	1.8	OHV	62-68
142		1990	2.0	OHV	70-74
142 - E		1990	2.0	OHV	71-72
142 - GL		1990	2.0	OHV	74
142 - S	112	1780	1.8	OHV	68
		1990	2.0	OHV	69
144		1990	2.0	OHV	70-74
144 - GL		1990	2.0	OHV	74
144 - S	112	1780	1.8	OHV	67-68
		1990	2.0	OHV	69
145		1990	2.0	OHV	70-74
145 - S	112	1780	1.8	OHV	68
		1990	2.0	OHV	69
164		2980	3.0	OHV	70-75
164 - E		2980	3.0	OHV	73-74
1800 - E		1990	2.0	OHV	70-72
1800 - ES		1990	2.0	OHV	72-73
1800 - S	112	1780	1.8	OHV	68
		1990	2.0	OHV	69
240		2316	2.3	SOHC	90-93
240 - DL		2316	2.3	SOHC	90
240 - GL		2316	2.3	SOHC	92
240 - SE		2316	2.3	SOHC	91
242		2127	2.1	OHC	76-79
242 - DL		2127	2.1	OHC	80-82
		2316	2.3	OHC	83-84
242 - GL		1990	2.0	OHV	75
		2127	2.1	OHC	81
242 - GLT		2127	2.1	OHC	81-84
242 - TURBO		2127	2.1	OHC	81
244		2127	2.1	OHC	76-78
244 - DL		2127	2.1	OHC	79-82
		2316	2.3	OHC	83-84
		2316	2.3	SOHC	85-89
244 - GL		1990	2.0	OHV	75
		2127	2.1	OHC	82
		2316	2.3	OHC	84
		2316	2.3	SOHC	85-89
244 - GLT		2127	2.1	OHC	82-84
245		1990	2.0	OHV	75
		2127	2.1	OHC	76-85
		2316	2.3	OHC	84
		2316	2.3	SOHC	85
245 - DL		2127	2.1	OHC	80-82
		2316	2.3	OHC	83
		2316	2.3	SOHC	86-89
245 - GL		2127	2.1	OHC	82
		2316	2.3	OHC	83
		2316	2.3	SOHC	86-89
245 - GLT		2127	2.1	OHC	81-84
264 - GL		2127	2.1	OHC	80
264 - GLE		2127	2.1	OHC	80
740		2316	2.3	SOHC	85-92
740 - GL		2316	2.3	SOHC	89-90
740 - GLE		2316	2.3	DOHC	90
		2316	2.3	SOHC	85-89
740 - SE		2316	2.3	SOHC	91
745 - GLE		2316	2.3	SOHC	85
760		2316	2.3	SOHC	85-90
760 - GLE		2316	2.3	OHC	84
		2316	2.3	SOHC	85-88
780		2316	2.3	SOHC	89-91
940		2316	2.3	DOHC	93
		2316	2.3	SOHC	91-95
940 - GL		2316	2.3	DOHC	92
940 - GLE		2316	2.3	SOHC	91
940 - SE		2316	2.3	SOHC	91

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
ENGINE			**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**			**1**
112 1780cc (1.8) OHV			**B18**	**L4**	**84.1mm x 80mm**	**Connecting Rod 38-42 ft.lbs/52-57 Nm**			
112 1780cc (1.8) OHV (B18)				**L4**	**84.1mm x 80mm**	**Main Bearing 87-94 ft.lbs/118-127 Nm**			
1990cc (2.0) OHV (B20B)				**L4**	**88.9mm x 80mm**				
1990cc (2.0) OHV (B20E)				**L4**	**88.9mm x 80mm**				
Rod - for 1973-75 engines only.									
	53.988/2.1255 54.000/2.1260	58.000/2.2835 58.014/2.2840	1.986/0.0782	.028/.0011 .080/.0031	24.13/0.950	F780	8	2740 IH	**4B2740** Std. 10 20 30 40
Rod - for 1962-72 engines only.									
	54.089/2.1295 54.102/2.1300	57.823/2.2765 57.836/2.2770	1.842/0.0725	.037/.0015 .089/.0035	26.97/1.062	F780	8	2741 IH	**4B2741** Std. 10 20 30 40
Main									
1,2,3,4	63.442/2.4977 63.454/2.4982	67.462/2.6560 67.488/2.6570	1.989/0.0783	.030/.0012 .094/.0037	28.19/1.110	F780	8	2742 IH	**5M2742** Std. 10 20 30 40
5 (FI)	63.442/2.4977 63.454/2.4982	67.462/2.6560 67.488/2.6570	1.989/0.0783	.030/.0012 .094/.0037	38.91/1.532	F780	2	2743 IH	

Overflange length remains constant for standard and undersizes.

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 (Cont'd.)									
	Cam								
3C7936 Std.	1	46.977/1.8495 46.990/1.8500	49.911/1.9650 49.936/1.9660	1.454/0.0572	.013/.0005 .121/.0048	27.18/1.070	F23	1	7936
	2	42.977/1.6920 43.002/1.6930	45.911/1.8075 45.936/1.8085	1.448/0.0570	.013/.0005 .115/.0045	26.42/1.040	F23	1	7937
	3	36.975/1.4557 37.000/1.4567	39.929/1.5720 39.954/1.5730	1.458/0.0574	.013/.0005 .121/.0048	27.94/1.100	F23	1	7938
	Balance Shaft								
3C6007 Std.	1		49.924/1.9655	1.448/0.0570		26.92/1.060	F23	1	VO-2-1
	2		45.925/1.8081	1.448/0.0570		26.03/1.025	F23	1	VO-2-2
	3		39.939/1.5724	1.455/0.0573		27.94/1.100	F23	1	VO-2-3
	Small End - for 24mm pin only. Not bored, single pieces.								
RB4071 Semi		23.996/0.9447 24.000/0.9449	27.000/1.0630 27.025/1.0640			29.30/1.154	F100	1	RB4071

2 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2127cc (2.1) OHC (B21F)	**4**	**L4**	**92mm x 80mm**	**Connecting Rod 43-48 ft.lbs/58-65 Nm**
2127cc (2.1) OHC (B21F)	**41**	**L4**	**92mm x 80mm**	**Main Bearing 85-91 ft.lbs/115-124 Nm**
2127cc (2.1) OHC (B21FT) Turbo	**4**	**L4**	**92mm x 80mm**	
2316cc (2.3) OHC (B23F)	**8**	**L4**	**96mm x 80mm**	
2316cc (2.3) OHC (B23FT) Turbo	**8**	**L4**	**96mm x 80mm**	

	Rod								
4B2740 Std. 10 20 30 40		53.988/2.1255 54.000/2.1260	58.000/2.2835 58.014/2.2840	1.986/0.0782	.028/.0011 .080/.0031	24.13/0.950	F780	8	2740 IH
	Main								
5M2742 Std. 10 20 30 40	1,2,3,4	63.442/2.4977 63.454/2.4982	67.462/2.6560 67.488/2.6570	1.989/0.0783	.030/.0012 .094/.0037	28.19/1.110	F780	8	2742 IH
	5 (Fl)	63.442/2.4977 63.454/2.4982	67.462/2.6560 67.488/2.6570	1.989/0.0783	.030/.0012 .094/.0037	38.91/1.532	F780	2	2743 IH
	Overflange length remains constant for standard and undersizes.								
	Cam - for 2127cc engines only.								
3C7936 Std.	1	46.977/1.8495 46.990/1.8500	49.911/1.9650 49.936/1.9660	1.454/0.0572	.013/.0005 .121/.0048	27.18/1.070	F23	1	7936
	2	42.977/1.6920 43.002/1.6930	45.911/1.8075 45.936/1.8085	1.448/0.0570	.013/.0005 .115/.0045	26.42/1.040	F23	1	7937
	3	36.975/1.4557 37.000/1.4567	39.929/1.5720 39.954/1.5730	1.458/0.0574	.013/.0005 .121/.0048	27.94/1.100	F23	1	7938
	Balance Shaft								
3C6007 Std.	1		49.924/1.9655	1.448/0.0570		26.92/1.060	F23	1	VO-2-1
	2		45.925/1.8081	1.448/0.0570		26.03/1.025	F23	1	VO-2-2
	3		39.939/1.5724	1.455/0.0573		27.94/1.100	F23	1	VO-2-3
	Small End - for 24mm pin only. Not bored, single pieces.								
RB4071 Semi		23.996/0.9447 24.000/0.9449	27.000/1.0630 27.025/1.0640			29.30/1.154	F100	1	RB4071

3 ENGINE	**VIN**	**CYL**	**Bore x Stroke**	**TORQUE SETTINGS**
2316cc (2.3) SOHC (B230F)	**8**	**L4**	**96mm x 80mm**	**Connecting Rod 15 ft.lbs/20 Nm + 90 deg**
2316cc (2.3) SOHC (B230FD)	**8**	**L4**	**96mm x 80mm**	**Main Bearing 80 ft.lbs/110 Nm**
2316cc (2.3) SOHC (B230FT) Turbo	**8**	**L4**	**96mm x 80mm**	
2316cc (2.3) DOHC (B234F)	**8**	**L4**	**96mm x 80mm**	

	Rod								
4B2726 Std. .25 .50 .75		48.984/1.9285 49.004/1.9293	51.999/2.0472 52.014/2.0478	1.491/0.0587	.013/.0005 .074/.0029	24.00/0.945	F780	8	2726 IH

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
									(Cont'd.) 3
Main - for engines 1988-95 only.									
1-4	62.897/2.4763 63.000/2.4803	67.000/2.6378 67.019/2.6385	1.996/0.0786	.008/.0003 .055/.0022	20.80/0.819	F820	8	2727AL U/L	**5M2727** Std. .25 .50
5 (FI)	62.897/2.4763 63.000/2.4803	67.000/2.6378 67.018/2.6385	1.996/0.0786	.008/.0003 .055/.0022	35.38/1.393	F820	2	2728AL U/L	
Overflange length remains constant for standard and undersizes.									
Main - for engines 1985-87 only (engines using thrustwashers).									
1-5	54.986/2.1648 55.000/2.1654	58.999/2.3228 59.019/2.3236	1.990/0.0783	.018/.0007 .069/.0027	20.80/0.819	F820	10	2729AL U/L	**5M2729** Std. .25 .50 .75
Thrust									
3	61.250/2.4114 61.500/2.4213	75.500/2.9724 76.000/2.9921			2.01/0.079		2	MB3353W	**1T2729** Std.
Note : Set includes two pieces, use on No. 3 poisition. Required with 5M2729 main set.									
Balance Shaft									
1		49.924/1.9655	1.448/0.0570		26.92/1.060	F23	1	VO-2-1	**3C6007** Std.
2		45.925/1.8081	1.448/0.0570		26.03/1.025	F23	1	VO-2-2	
3		39.939/1.5724	1.455/0.0573		27.94/1.100	F23	1	VO-2-3	

ENGINE	VIN	CYL	Bore x Stroke	TORQUE SETTINGS 4
2980cc (3.0) OHV (B30A)		**L6**	**88.9mm x 80mm**	**Connecting Rod 38-42 ft.lbs/52-57 Nm** (1968-72 engines)
2980cc (3.0) OHV (B30E)		**L6**	**88.9mm x 80mm**	**Connecting Rod 51-57 ft.lbs/69-77 Nm** (1973-75 engines) **Main Bearing 87-94 ft.lbs/118-127 Nm**

Rod - for 1973-75 engines only.									
	53.988/2.1255 54.000/2.1260	58.000/2.2835 58.014/2.2840	1.986/0.0782	.028/.0011 .080/.0031	24.13/0.950	F780	12	2740 IH	**6B2740** Std. 10 20
Rod - for 1968-72 engines only.									
	54.089/2.1295 54.102/2.1300	57.823/2.2765 57.836/2.2770	1.842/0.0725	.037/.0015 .089/.0035	26.97/1.062	F780	12	2741 IH	**6B2741** Std. 10 20
Main									
1-6	63.442/2.4977 63.454/2.4982	67.462/2.6560 67.488/2.6570	1.989/0.0783	.030/.0012 .094/.0037	28.19/1.110	F780	12	2742 IH	**7M2742** Std. 10 20
7 (FI)	63.442/2.4977 63.454/2.4982	67.462/2.6560 67.488/2.6570	1.989/0.0783	.030/.0012 .094/.0037	38.91/1.532	F780	2	2743 IH	
Overflange length remains constant for standard and undersizes.									
Cam									
1-4	46.977/1.8495 46.990/1.8500	49.911/1.9650 49.936/1.9660	1.454/0.0572	.013/.0005 .121/.0048	27.18/1.070	F23	4	7936	**4C7936** Std.
Small End - for B30E engine with 24mm pin only. Not bored, single pieces.									
	23.996/0.9447 24.000/0.9449	27.000/1.0630 27.025/1.0640			29.30/1.154	F100	1	RB4071	**RB4071** Semi

ACL Engine Bearings

WISCONSIN ENGINE INDEX

Engine Disp.	Notation	VIN	Cyl.	Year	Line
46 (0.8)	(TE)		2		1
46 (0.8)	(TED)		2		1
54 (0.9)	(TF)		2		1
54 (0.9)	(TFD)		2		1
54 (0.9)	(TH)		2		1
54 (0.9)	(THD)		2		1
54 (0.9)	(TJ)		2		2
54 (0.9)	(TJD)		2		2
92 (1.5)	(VE4)		V4		3
92 (1.5)	(VE41)		V4		3
92 (1.5)	(VE4D)		V4		3
108 (1.8)	(VF4)		V4		3
108 (1.8)	(VF41)		V4		3
108 (1.8)	(VF4D)		V4		3
108 (1.8)	(VH4)		V4		4
108 (1.8)	(VH4D)		V4		4
108 (1.8)	(VH4DM)		V4		4

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
1 ENGINE			**VIN CYL**	**Bore x Stroke**			**TORQUE SETTINGS**		
46 (0.8) (TE)			**2**	**3.00 x 3.25**			**Connecting Rod 24 ft.lbs**		
46 (0.8) (TED)			**2**	**3.00 x 3.25**			**Main Bearing 30 ft.lbs**		
54 (0.9) (TF)			**2**	**3.25 x 3.25**					
54 (0.9) (TFD)			**2**	**3.25 x 3.25**					
54 (0.9) (TH)			**2**	**3.25 x 3.25**					
54 (0.9) (THD)			**2**	**3.25 x 3.25**					
	Rod								
2B3030		44.450/1.7500	47.612/1.8745	1.557/0.0613	.023/.0009	21.95/0.864	F780	4	3030
Std. 10 20 30 40		44.475/1.7510	47.625/1.8750		.087/.0034				IH
2 ENGINE			**VIN CYL**	**Bore x Stroke**			**TORQUE SETTINGS**		
54 (0.9) (TJ)			**2**	**3.25 x 3.25**			**Connecting Rod 24 ft.lbs**		
54 (0.9) (TJD)			**2**	**3.25 x 3.25**			**Main Bearing 30 ft.lbs**		
	Rod								
2B3031		47.625/1.8750	50.787/1.9995	1.557/0.0613	.023/.0009	21.95/0.864	F780	4	3031
Std. 10 20 30 40		47.650/1.8760	50.805/2.0002		.092/.0036				IH
3 ENGINE			**VIN CYL**	**Bore x Stroke**			**TORQUE SETTINGS**		
92 (1.5) (VE4)			**V4**	**3.00 x 3.25**			**Connecting Rod 24 ft.lbs**		
92 (1.5) (VE41)			**V4**	**3.00 x 3.25**			**Main Bearing 30 ft.lbs**		
92 (1.5) (VE4D)			**V4**	**3.00 x 3.25**					
108 (1.8) (VF4)			**V4**	**3.25 x 3.25**					
108 (1.8) (VF41)			**V4**	**3.25 x 3.25**					
108 (1.8) (VF4D)			**V4**	**3.25 x 3.25**					
	Rod - Two sets required per engine.								
2B3030		44.450/1.7500	47.612/1.8745	1.557/0.0613	.023/.0009	21.95/0.864	F780	4	3030
Std. 10 20 30 40		44.475/1.7510	47.625/1.8750		.087/.0034				IH
4 ENGINE			**VIN CYL**	**Bore x Stroke**			**TORQUE SETTINGS**		
108 (1.8) (VH4)			**V4**	**3.25 x 3.25**			**Connecting Rod 24 ft.lbs**		
108 (1.8) (VH4D)			**V4**	**3.25 x 3.25**			**Main Bearing 30 ft.lbs**		
108 (1.8) (VH4DM)			**V4**	**3.25 x 3.25**					
	Rod - Two sets required per engine.								
2B3031		47.625/1.8750	50.787/1.9995	1.557/0.0613	.023/.0009	21.95/0.864	F780	4	3031
Std. 10 20 30 40		47.650/1.8760	50.805/2.0002		.092/.0036				IH