



Total Wheel Alignment SourceBook

2012-13 Full Line

Traditional

- Domestic/Import

Over-the-Road

- Heavy Duty/Fleet

Off-Road

- Stock/Lifted

Muscle

- Street Rods/Drag Strip

Performance

- Sport Compact/Tuner

Racing

- Circle Track/Road



Specialty Products Company®

\$5.00 USD



Innovative Solutions New Products

Look for our "New" logo throughout this Sourcebook for the latest in alignment technology. Over 40 new parts and tools have been added including:

.5 Extended Length Ball Joints	87, 115
Four-Way Ball Joint/Tie Rod Separator	118
Alignment Poster	136
Aluminum File	127
Audi & VW Multi Link Arms	77
Bushing Press Set (29 Piece)	120
Chrysler and Dodge Front Upper Arms	58
Chrysler and Dodge Camber Kit - Rear	58
Combo Rotary File Set	127
Counter Mats	101, 136
Dodge Pin Joints	53
Dodge/Jeep Rear Camber Arm	64
Dodge/Ram Caster Cams	78
Escape/Tribute Rear Camber Arm	62
Ford Crown Vic Camber Adjusting Bolt	8
GM Express Van Tool	121
GM 2nd Gen 'F' Body Lower Arms	91
GM/Dodge Adjustable Ball Joints	53
Jeep Adjustable Ball Joint	52

Jounce Spacers	63
Leaf Spring Silencer™	49
Lexus IS Ball Joint	65
Lexus IS Cam Bolt	79
Mercedes/HD Torque Stix	124
Mustang Front Camber/Caster Kit	74
Mustang Front Caster Kit	74
Nissan Truck/SUV Front Upper Arms	55
Press Adaptors	122
Racing/Street Cross Shafts	114
Rotary File Set	127
S-Cam Bushing Extractor	105
Steering Knuckle Tool	118
Subaru Adjustable Rear Toe Arm	67
Subaru Rear Adj. Camber Arm/ Toe Kit	67
Toyota Cam Bolt Kit	55
Toyota Cam Extractor	119
Universal Radial Run-Out Gauge	103, 134
Yellow EZ Shim	75
Zinc Truck Axle Shims	99



Look for the SPC-TV logo next to the parts in our catalog that feature video on how to install that part. Scan with your smart phone, or go to www.spc-tv.com to watch the video that our techs created to help you install this part.



TUNE IN • LOG ON • EARN NOW

SPC-TV is the best way to get all the latest info from Specialty Products. Watch videos that show you how to install our parts, and then participate in our interactive rewards program.

- Log on to www.spc-tv.com and register - it's easy!
- Watch short videos that show how to install popular parts and our favorite tools
- Learn how to do your job better and faster
- Earn points and get great gear from SPC

Tune into SPC-TV at www.spc-tv.com and start earning points today!

TOLL FREE 800-525-6505



SPC
PERFORMANCE

LIGHT
RACING

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dba
Specialty Products
Company®.



TOOL
ICON

When you see our "wrench"
next to a part it means there
is a special tool available to
assist you in the installation



SPC-TV
& QR
ICON

When you see a "TV" next
to a part it means there is an
installation video to help
you install the part at
www.SPC-TV.com
OR

Scan the QR Code with your
smart phone's Bar Code
App for videos and more
information

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Table of Contents

INTRO/APPLICATIONS 2-45

Here is where you find our part and tools - a quick look-up for everything from a 2003 Honda Accord to a Peterbilt Truck.

Includes our Muscle Car Applications!

How to Use the Sourcebook	2
How to Sell Alignment	2
Training Resources	3
Explanation of Alignment	4-6
Passenger Car/Mini-Van/Truck & SUV Applications	7-44
Estimated Installation Times	45

PARTS 46-96

Find out more about the part you need. In this section you will find detailed information about our parts such as degree of change, install times, and helpful tech tips.

Inventory Control Boards	46-47
Alignment Parts	48-91
Muscle Car Parts	87-91
Coil Spring Spacers	92-96

HEAVY DUTY 97-106

We carry a complete line of alignment parts, tools and accessories for OTR vehicles. From Freightliners to Tandem Alignment systems, we have you covered.

Heavy Duty Truck Shims & Parts	97-99
Wheel Centering Products	100-102
Truck Gauges and Heavy Duty Truck Tools	103-106

OFF-ROAD 107-111

Our Light Racing™ line includes the JounceShock™ - an innovative bump shock which maximizes the capacity and performance in off-road suspensions.

JounceShocks & Complete Vehicle Systems	107, 110
Component Mounts, Adapters and Rebuild Kits	108-109
Specialized Off Road Tools	109
Tubular Chassis Components	111

RACING 112-115

Fully adjustable, rugged race style upper control arms for circle track, road racing and drag strip application. A component system - you can create the exact arm for your application.

Customize your Arm	112
Pre-built Arms	113
Component Parts - Cross shafts, Adjusting Sleeves, Plates, More	114-115

TOOLS 116-129

Find our innovative FasTrax™ Camber/Caster Gauge to specific camber/caster/toe tools that installers need to correctly install our parts in this section. We also carry an extensive line of wheel service tools, strut and ball joint tools, plus more!

ACCESSORIES 130-131

Alignment turntables, wheel stands, toe bars and more! This is the section that alignment technicians turn to for specialized equipment that makes their job easier and more profitable.

BRAKE & CV 132-135

We have a variety of consumables for the brake repair specialist. An extensive line of lathe inserts, drum tools, rotor silencers along with CV Boots and accessories.

Lathe Inserts/Drum Tools, and Rotor Silencers	132-133
Brake Tools, Gauges, and Accessories	134
CV Boots, Tools and Accessories	135

SPC GEAR & INDEXES 136-144

You can wear SPC - shirts, hats, gloves and more, along with banners and stickers for your shop or vehicle. With two indexes, numerical and alphabetical quickly find just what you need.

SPC Gear	136-138
Numerical Index/Retail Pricing	139-143
Alphabetical Index	144

HOW TO USE

The Alignment Sourcebook™

This Sourcebook has been designed with you in mind. Each section has tabs that allow you to quickly flip to the section you need without having to look through the entire Sourcebook. But it is a good idea to review the entire Sourcebook to check out new products and solutions for all your alignment needs.

Each new product is marked with our "NEW" logo for instant identification (shown at right). These new products are on the cutting edge of alignment technology.

There are several ways to use this Sourcebook:

- 1** If you are looking for a specific part for a specific vehicle, check for the vehicle make and model in the Applications Section starting on page 7.
- 2** If you know the part number of the part you need, the numerical index starts on page 139. Look there first.
- 3** If you have an idea of the part name, but not the part number, then the alphabetical index on page 144 is your first stop.

At Specialty Products Company our goal is to assist you in every way to make car and truck alignment fast, accurate and profitable. We are committed to finding accurate, easily installed solutions to automotive driving and handling problems. Our products include excellent service and industry leading technical support.

THIS TOTAL WHEEL ALIGNMENT SOURCEBOOK™ WILL ASSIST YOU IN MAKING THE CORRECT RECOMMENDATIONS TO YOUR CUSTOMERS. THE SOURCEBOOK CONTAINS EVERYTHING NEEDED TO DETERMINE ESTIMATES AND RECOMMENDATIONS.



Our "NEW" logo throughout this Sourcebook highlights the latest in alignment technology.

SPC PERFORMANCE

SPC Performance is your source for alignment products that meet the specific needs of lowered and performance vehicles as well as popular muscle cars, street rods & racers.

LIGHT RACING

For serious off-road enthusiasts, Light Racing's JounceShock™ greatly improves vehicle mobility and handling.

HOW TO SELL

Proper Alignment

- 1** When a set of new tires are installed or suspension parts changed, discuss frequency and need for total wheel alignment. Explain unusual tire wear or handling problems.
- 2** To determine the type of alignment required, refer to the Application section (pages 7-45) in this Sourcebook. Also refer to this section for the correct selection of original equipment and aftermarket replacement parts available from Specialty Products.
- 3** Use your Sourcebook and a showroom tire to explain tire wearing and control angles.
- 4** Explain to the customer the benefits of 4 Wheel and Thrust Wheel Alignments:

- ✓ Prolong Tire Life
- ✓ Improve Handling
- ✓ Minimize Premature Wear of Suspension Parts
- ✓ Help Eliminate "Pulls"
- ✓ Increase Fuel Mileage

- 5** **Ask for the sale.** Your customer will appreciate the benefits.

THE PROPER WHEEL ALIGNMENT SAVES THE CUSTOMER MONEY AND INCREASES CUSTOMER SATISFACTION BY DOING THE JOB RIGHT THE FIRST TIME.



TOOL ICON

When you see our "wrench" next to a part it means there is a special tool available to assist you in the installation

SPC-TV & QR ICON



When you see a "TV" next to a part it means there is an installation video to help you install the part at

www.SPC-TV.com

OR

Scan the QR Code with your smart phone's Bar Code App for videos and more information



TRAINING RESOURCES

Check our Website at
www.specprod.com
to get our class
schedules and fees for
2012 and 2013

OR

Call for class
availability, future
schedules and more
800-525-6505



Want more?

We have videos on
everything from
installing our newest
370Z arms to learning
more about alignment
angles at
www.SPC-TV.com

And you can earn
great prizes by
watching the videos.

You earn points that
can be redeemed for
SPC Gear. Log on to find
out more!

Keep up to date with
what's new and follow
Specialty Products on



Facebook



LinkedIn



Hub Garage



MySpace



Twitter



YouTube

BASIC ALIGNMENT CLASS

This 4 day Basic course is designed for the entry-level Technician with less than 1 year of hands-on alignment experience. The course consists of presentations and demonstrations with 50% classroom and 50% hands-on instruction. There will be a pre-test on the first day that enables us to focus on where you need individual attention. Tests are given each morning that allow us to track your progress.

- Alignment Angles and Why They are Needed on the Vehicle.
- Front and Rear Types of Suspension. How to Properly Inspect the Suspension.
- Why Total Alignment and Thrust Alignment Instead of Front Wheel Alignment.
- How to Read the Alignment Specification Book and What It Means.
- How to Properly Align Front Wheel and Rear Wheel Drive Vehicles.

ADVANCED ALIGNMENT CLASS

This advanced course is designed for the Technician that has been working in the trade for a period of at least 2 years. The course consists of presentations, demonstrations with 25% classroom, and 75% hands-on instruction. There will be a pre-test on the first day that enables us to focus on where you need individual attention. Tests are given each morning that allow us to track your progress.

- Customer Communications.
- Proper Road Test Procedures.
- Troubleshooting Customer Complaints.
- Steering Axis Inclination and Included Angle.
- Proper Suspension Inspection.
- Installation of Aftermarket Products.
- Performance Vehicles (lowering).
- Explanation of alignment specifications and why you may need to alter specs. to eliminate tire wear and handling problems.
- Tips for Removing and Installing Truck Sleeves.
- Lifting trucks and SUVs.

ONLINE TRAINING

If you want to stay competitive in today's high-tech automotive aftermarket Specialty Products Company now has both Basic and Advanced courses available online at www.specprod.com. This training course was developed by our ASE Master Certified technicians.

You can now get comprehensive training in the changing alignment field on your schedule. Available in 2 modules, this training will take you from basic alignment angle descriptions, to vehicle specific applications that you see weekly in your shop.



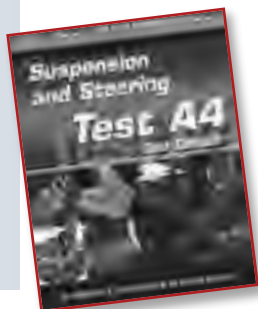
Go To
www.specprod.com

FIELD CLINICS

Our three hour Field Clinics will provide you with reliable information to enable you to diagnose and align any vehicle correctly the first time. SPC's professional ASE trainers provide specific alignment and suspension information on new model vehicles. Topics include; adjustment methods, problems associated with suspension and alignment, technical service bulletins, and service procedures. See your WD for a clinic near you, or call Specialty Products Toll-Free at 800-525-6505.

HANDS-ON TRAINING

This training is for both experienced techs along with beginning technicians and covers proper alignment procedures, diagnostics of vehicle 'pull' and how to align vehicles. The class can be tailored to fit your specific needs. Contact your local Warehouse Distributor for more information or call us at 800-525-6505.



TRAINING AIDS

85560

ASE TEST PREP. BOOK FOR SUSPENSION AND STEERING

This book contains information on test taking strategies, task lists and overviews, sample test questions, ASE-style exams along with explanations to the answers. (Delmar Test A4 2nd Ed.)

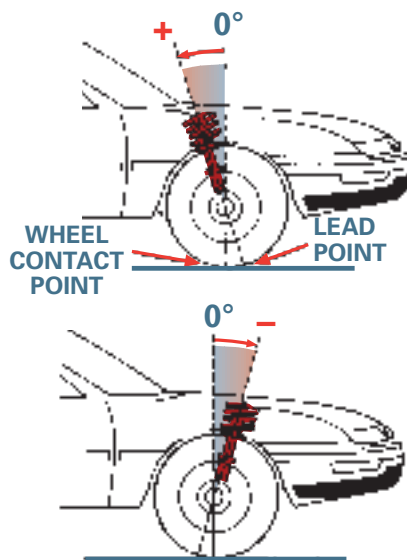
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1-800-525-6505

ALIGNMENT TERMS

Caster



DEFINITION: The forward or backward tilt of the upper ball joint, or top of the strut, relative to the lower ball joint.

PURPOSE: Caster affects steering stability and steering wheel returnability.

METHODS OF CASTER ADJUSTMENT:

(1) Shims	(2) Cams	(3) Slotted Frame
(4) Strut Rod	(5) Strut Rotation	(6) Cradle Movement
(7) Offset Ball Joint	(8) Sliding Ball Joint	

0 CASTER: The upper ball joint or top strut bearing and lower ball joint are in the same plane as viewed from the side of the vehicle.

POSITIVE CASTER: The upper ball joint or top strut bearing is toward the rear of the vehicle in relation to the lower ball joint as viewed from the side of the vehicle.

NEGATIVE CASTER: The upper ball joint or top strut bearing is toward the front of the vehicle in relation to the lower ball joint as viewed from the side of the vehicle.

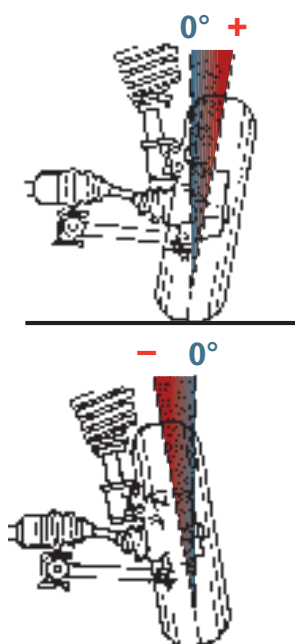
SYMPTOMS OF NEG. CASTER:

- (1) Steering wheel shows lack of "returnability" after a turn.
- (2) Steering is touchy at high speed (wander and weave).

Effect: Vehicle pulls to the side with the Lowest Caster.

Example: Left front set at 1/2° positive Caster, right front set at 1-1/2° positive Caster. This vehicle will pull to the left.

Camber



DEFINITION: Inward or outward tilt of the top of the wheel.

PURPOSE: Adjustment centers the vehicle's load on the tire, eliminating pull. Proper adjustment reduces camber tire wear and pulling.

METHODS OF CAMBER ADJUSTMENT:

(1) Shim	(5) Wedges	(9) Eccentrics
(2) Cams	(6) Ball Joint Rotation	(Offset Bushings)
(3) Slotted Frame	(7) Offset Bearing Plates	(10) Offset Ball
(4) Strut Rotation	(8) Cam Bolts	Joins

0 CAMBER: When wheel and tire assembly are in exact vertical position.

POSITIVE CAMBER: When the top of the wheel and tire assembly is tilted out, or away from the engine.

TOO MUCH POS. CAMBER CAUSES:

- (1) Wear on the outside of the tire.
- (2) Extra wear on the suspension parts with positive camber.
- (3) The vehicle will pull to the side with the **most positive** camber.

NEGATIVE CAMBER: The top of the wheel and tire assembly is tilted in, toward the engine.

TOO MUCH NEG. CAMBER CAUSES:

- (1) Wear on the inside portion of the tire.
- (2) Extra wear on the suspension parts with negative camber
- (3) The vehicle will pull to the side with the **most positive** camber.

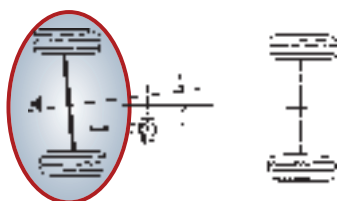
UNEQUAL CAMBER

From side to side causes:

- (1) Vehicle to pull to the side with the more positive camber.

Example: Left front set at 1° positive. Right front set at 1/2°. This vehicle may pull left.

Setback



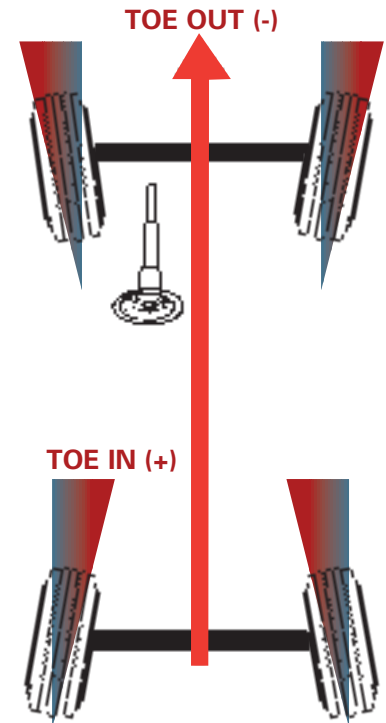
DEFINITION: One wheel set back further than the other.

SETBACK IS CAUSED BY:

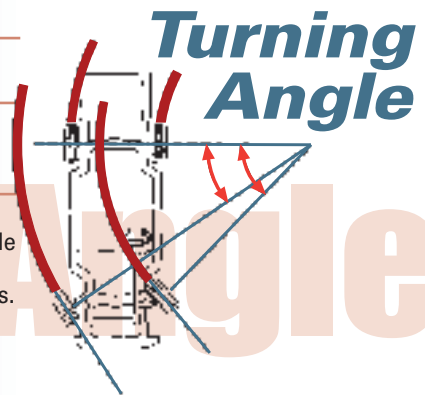
- (1) Manufacture. (Sometimes they build them this way).
- (2) Collision.

Normally up to .5" Setback will cause no problems other than steering wheel misalignment when using some types of alignment equipment.

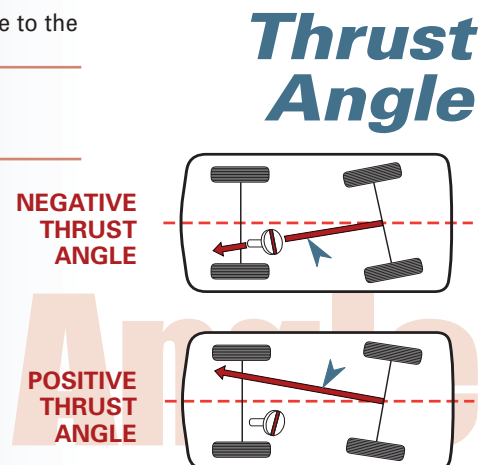
DEFINITION:	The difference between leading edges and trailing edges of the front of the wheel & tire assembly, measured at spindle height.
PURPOSE:	Minimize tire wear and rolling friction.
FRONT TOE ADJUSTMENTS:	(1) Tie Rod Adjusters
REAR TOE:	(1) Manufacturer's built-in adjuster (2) Cams (3) Cam bolts (4) Slots (4) Eccentrics (Offset Bushings) (6) Shims (7) EZ Arms XR™
0 TOE:	Distances across the front and trailing edges of the wheel and tire assemblies are equal.
TOE IN (+):	Distance across the front edges of the wheel and tire assemblies is less than across the trailing edges.
TOO MUCH TOE IN CAUSES:	(1) Rapid wear on outside edge of tire. (a) On radial tires too much Toe In resembles pos. camber wear. (b) Wear patterns are saw-toothed or scuffed . (c) Feeling sharp edges when rubbing your hand across the tire tread, from inside toward outside , reveals excessive Toe In . (2) Steering instability (extreme). (a) Wander (b) Shimmy
TOE OUT (-):	Distance across the front edges of the wheel and tire assemblies is wider than the trailing edges.
TOO MUCH TOE OUT CAUSES:	(1) Rapid tire wear-inside edge of tire. (a) On radial tires too much Toe Out resembles neg. Camber wear. (b) Wear pattern is saw-toothed or scuffing . (c) Feeling sharp edges when rubbing your hand across the tire tread, from outside to inside, reveals excessive Toe Out . (2) Steering instability (extreme). (a) Wander (b) Shimmy



DEFINITION:	The relative position of the front wheels during a turn.
REFERRED TO AS:	(1) Toe out on turns (2) Turning radius
PURPOSE:	To prevent tire side slip. To prevent excessive tire wear. To prevent tire squeal on turns.
DIAGNOSE FOR BENT PARTS:	If readings differ more than 1-1/2° from specifications on most vehicles, and the tires squeal when cornering, the vehicle may have a bent steering arm. Most Turning Angles are non-adjustable angles but can be corrected by replacing bent parts.



DEFINITION:	The direction the rear wheels are positioned in reference to the vehicle centerline.
REAR WHEEL THRUST WILL CAUSE:	(1) Tire wear (2) Steering wheel misalignment (3) Car pulls (4) "Dog Tracking" (5) Crooked steering wheel
THRUST CAN BE CORRECTED BY:	(1) Adjustment of built in toe adjuster. (2) Installing tapered shims between spindle and hub. (3) Cams or other aftermarket adjusters. (4) Specialty Products Thrust Plate (#63020, #63030 Kits - page 57).

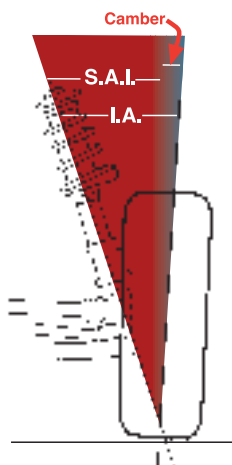


Terms

S.A.I.

I.A.

Scrub Radius



DEFINITION OF S.A.I. (Steering Axis Inclination):

The angle between a true vertical line starting at the center of the tire at the road contact point and a line drawn through the center of the strut (or upper ball joint) and lower ball joint. S.A.I. is a non-adjustable angle on most vehicles. OR...

The angle formed by the intersection of a line drawn through the upper and lower suspension mounting points (as viewed from the front of the vehicle) and true vertical.

NOTE: A bent lower control arm can also change S.A.I. The strut suspension on a unibody vehicle has many variables and locating the damaged part may be difficult.

DEFINITION OF I.A. (Included Angle):

S.A.I. angle plus actual camber (positive) or minus actual camber (negative) is the included angle. When camber is positive, add it to the S.A.I. angle. If camber is negative, subtract it from the S.A.I. angle. This angle is used as a diagnostic tool to determine if structural misalignment is present or suspension parts are bent.

DEFINITION OF SCRUB RADIUS:

When compared at ground level, the distance between the S.A.I. line (drawn through the steering pivots) and the centerline of the tire tread is called the Scrub Radius. When this line is toward the inside of the tread, the vehicle is said to have Positive Scrub Radius. When the line is toward the outside of the tire tread, the vehicle is said to have Negative Scrub Radius.

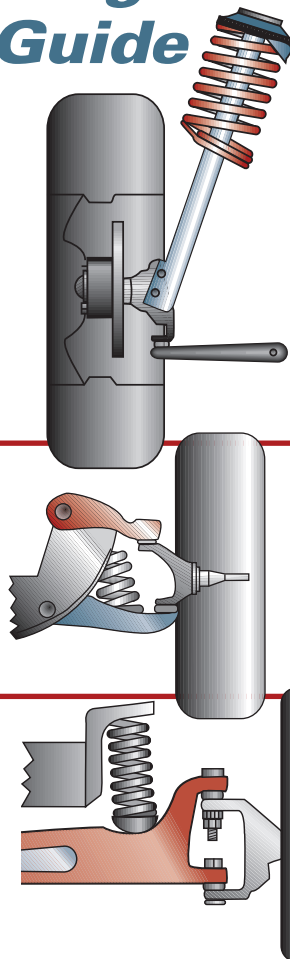
NOTE: Negative Scrub Radius will be found on FWD MacPherson Strut vehicles.

PURPOSE:

Directional Control Stability. • Steering Wheel Returnability. • Vehicle Load Placement.

S.A.I., I.A. and Camber can be used to locate areas of the strut system on unibodies which may have damaged or misaligned parts. I.A. (Included Angle) is used to determine if there is a damaged spindle or strut tube. The S.A.I. (Steering Axis Inclination) is used to determine if the unibody is misaligned.

S.A.I. Diagnostic Guide



MACPHERSON STRUT SUSPENSIONS

SAI	CAMBER	INC. ANGLE	PROBABLE PROBLEM AREA
Within Spec	Less than Spec	Less than Spec	Bent Spindle Assembly and/or Bent Strut.
Within Spec	Greater than Spec	Greater than Spec	Bent Spindle Assembly and/or Bent Strut.
Less than Spec	Greater than Spec	Within Spec	Bent Control Arm, or Top of Strut Tower Pushed Outward, or Mis-Aligned Engine Cradle.
Greater than Spec	Less than Spec	Within Spec	Top of Strut Tower Pushed In, or Engine Cradle Mis-Aligned.
Less than Spec	Greater than Spec	Greater than Spec	Bent Control Arm, or Top of Strut Tower Pushed Out PLUS Bent Spindle Assembly and/or Bent Strut.
Less than Spec	Greater than Spec	Less than Spec	Bent Control Arm, or Top of Strut Tower Pushed Out PLUS Bent Spindle Assembly and/or Bent Strut.
Less than Spec	Less than Spec	Less than Spec	Bent Control Arm, or Top of Strut Tower Pushed Out PLUS Bent Spindle Assembly

SHORT/LONG ARM SUSPENSIONS

SAI	CAMBER	INC. ANGLE	PROBABLE PROBLEM AREA
Within Spec	Less than Spec	Less than Spec	Bent Spindle Assembly
Less than Spec	Greater than Spec	Within Spec	Bent Lower Control Arm or Bent Frame
Greater than Spec	Less than Spec	Within Spec	Bent Upper Control Arm or Bent Frame
Less than Spec	Greater than Spec	Greater than Spec	Bent Lower Control Arm, or Bent Spindle and/or Bent Strut.

FORD TWIN "I-BEAM" SUSPENSIONS

SAI	CAMBER	INC. ANGLE	PROBABLE PROBLEM AREA
Within Spec	Greater than Spec	Greater than Spec	Bent Spindle Assembly
Greater than Spec	Less than Spec	Within Spec	Bent "I" Beam
Less than Spec	Greater than Spec	Within Spec	Bent "I" Beam
Less than Spec	Greater than Spec	Greater than Spec	Bent "I" Beam & Bent Spindle Assembly

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

ACURA			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
CL	01-04	FWD	67090	OEMA	60		N/A	67125/40920 67320(7)/40920	61/119 63/119
CL	96-99	FWD	67065 67265(7)	OEMA	59 62		84690, 84695	67125/40920 67320(7)/40920	80,61/119 63/119
CSX	06-10	FWD	67470 67465/75980, 72509	OEMA	64 64/125,123		N/A	81260	76
Integra	94-01	FWD	67030 69200(except Type R Lower Arm)	OEMA 69250 69450	59 68,68 69		N/A	67135/40920 67330(7)/40920	61/119 63/119
Integra	90-93	FWD	67030 69200 (Lower Arm)	OEMA 69250 69450	59 68,68 69		N/A	67135/40920 67330(7)/40920	61/119 63/119
Integra	86-89	FWD	N/A	N/A			N/A	N/A	
Legend	91-96	FWD	N/A	OEMA			N/A	67135/40920 67330(7)/40920	61/119 63/119
Legend	86-90	FWD	N/A	OEMA			OEMA	N/A	
MD-X w/o ABS	07-12	AWD	67570	OEMA	66		N/A	81290	76
MD-X	01-06	AWD	67290	OEMA	62		N/A	81280 82120/85130	76 78/127
NSX	91-06	RWD	OEMA	OEMA			OEMA	OEMA	
RDX	07-12	AWD	N/A	OEMA			N/A	81280	76
RL	05-12	AWD	N/A	OEMA			N/A	N/A	
RL	96-04	FWD	67090	OEMA	60		N/A	67135/40920 67330(7)/40920	61/119 63/119
RSX	02-07	FWD	67230 69400 (Lower Arm)	OEMA	62 68		N/A	81280	76
RSX S-Type start VIN2C003184	02-07	FWD	67230 69400 (Lower Arm)	OEMA	62 68		N/A	81280	76
RSX S-Type VIN2C003183 end	02-02	FWD	67230 69400 (Lower Arm)	OEMA	62 68		N/A	81260	76
SLX	96-00	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
TL	09-12	FWD/AWD	67540 67545(10)	OEMA 67540	66 66,66		N/A	67135/40920 67330(7)/40920	61/119 63/119
TL	04-08	FWD	67095	OEMA	60		N/A	67125/40920 67320(7)/40920	61/119 63/119
TL	99-03	FWD	67090	OEMA	60		84690, 84695	67125/40920 67320(7)/40920	80,61/119 63/119
TL - 2.5	96-98	FWD	67065 67265(7)	OEMA	59 62		84690, 84695	67125/40920 67320(7)/40920	80,61/119 63/119
TL - 3.2	96-98	FWD	67065 67265(7)	OEMA	59 62		84690, 84695	67135/40920 67330(7)/40920	80,61/119 63/119
TSX	09-12	FWD	67540 67545(10)	OEMA 67540	66 66,66		N/A	67135/40920 67330(7)/40920	61/119 63/119
TSX	04-08	FWD	67290	OEMA	62		N/A	67125/40920 67320(7)/40920	61/119 63/119
Vigor	92-94	FWD	67065 67265(7)	OEMA	59 62		84690, 84695	67165/40920 67360(7)/40920	80,61/119 63/119
ZDX	10-12	AWD	N/A	OEMA			N/A	81290	76
AMC									
Concord	80-83	RWD	N/A	N/A			OEMA	OEMA	
Eagle	80-87	AWD	N/A	N/A			OEMA	OEMA	
Spirit	80-83	RWD	N/A	N/A			OEMA	OEMA	

ALIGNMENT FOOTNOTES BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD

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 (3) = Check Bolt Length BEFORE Cutting Hole • (4) = Shims (pg. 56-57) • (5) = LH Toe Tool for front toe adjustment (pg. 94) • (6) = Bolts, 73415, are necessary for changes greater than 3/4" (pg. 74)
 (7) = Recommended for vehicles lowered more than 1.5" • (8) = Will not work on 1988-89 models with welded-in ball joint • (9) = M3 Only, caster will decrease by 2 degrees
 (10) = Limited camber range of $\pm 1.0^\circ$ • (11) = Center stock camber and toe adjusters before calculating shim change
 ■ = Thrust Alignment Plate can correct thrust angle and setback (pg. 57)/Check frame angle with Angle Gauge Part No. 64225 (pg. 121)
 N/A = No Available Adjuster • OEMA = Original Equipment Manufacturer Adjustment • (*) = Series P/N, for correct size • SW = Station Wagon • ©2012 Niwot Corp. dba Specialty Products Co.®
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Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

AUDI			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
80, 90 Quattro	88-96	AWD	OEMA	OEMA			N/A	OEMA	
80, 90	88-93	FWD	N/A	N/A			N/A	OEMA	
100, 200	87-96	FWD	N/A	N/A			N/A	OEMA	
100, 200 Quattro	87-96	AWD	OEMA	OEMA			N/A	OEMA	
4000	80-87	FWD	75200(1)+10408 71200*(1)+10408	75200(1)+10408 71200*(1)+10408	75,48 69,48		N/A	OEMA	
4000 Quattro	80-87	AWD	OEMA	OEMA			N/A	OEMA	
5000	80-86	FWD	75400(1)+10408	75400(1)+10408	75,48		N/A	OEMA	
5000 Quattro	86-88	AWD	OEMA	OEMA			N/A	OEMA	
A3	06-12	FWD	OEMA	OEMA			N/A	N/A	
A4	09-12	FWD/AWD	OEMA	OEMA			81360	81360	77,77
A4	02-08	FWD/AWD	OEMA	OEMA			81350	81350	77,77
A4	98-01	FWD/AWD	N/A	OEMA			81350	81350	77,77
A4 Quattro	98-01	FWD/AWD	OEMA	OEMA			81350	81350	77,77
A4	96-97	FWD/AWD	N/A	OEMA			N/A	N/A	
A5, S5	09-12	FWD/AWD	OEMA	OEMA			81360	81360	77,77
A5, S5	07-08	FWD	OEMA	OEMA			81350	81350	77,77
A6, Allroad, RS6	05-12	FWD/AWD	OEMA	OEMA			81360	81360	77,77
A6, Allroad, RS6	98-04	FWD/AWD	N/A	N/A			81350	81350	77,77
A8 Allroad S8	96-03	FWD	OEMA	OEMA			N/A	OEMA	
A8 Allroad S8	04-06	FWD	OEMA	OEMA			81360	81360	77,77
A8 Allroad S8	07-11	FWD	OEMA	OEMA			N/A	OEMA	
Cabriolet	94-98	FWD	N/A	N/A			N/A	OEMA 81260	76
Fox	75-79	FWD	75200(1)+10408 71200*(1)+10408	75200(1)+10408 71200*(1)+10408	75,48 69,48		N/A	OEMA	
Q5	09-12	FWD	OEMA	OEMA			N/A	N/A	
Q7	07-12	AWD	N/A	N/A			N/A	N/A	
Quattro	82-86	AWD	OEMA	OEMA			N/A	OEMA	
S4, RS4	09-12	FWD/AWD	OEMA	OEMA			81360	81360	77,77
S4, RS4	00-08	FWD/AWD	OEMA	OEMA			81350	81350	77,77
TT	07-12	FWD	OEMA	OEMA			N/A	N/A	
TT Quattro	00-06	AWD	N/A	OEMA			81340	81340	77,77
TT	00-06	FWD	71530*/87530	71520*/87530	69/128		81340	81340	77,77
BMW									
Vehicles w/ 12mm bolt	63-88	RWD	N/A	N/A			N/A	N/A	
Vehicles w/ 14mm bolt	63-88	RWD	N/A	N/A			N/A	83115/73010(3)	79/123
1 Series (E81,E82, E87, E88)	08-11	AWD	OEMA	OEMA			72070	OEMA 72070	71 71
1 Series (E81,E82, E87, E88)	08-11	RWD	OEMA	OEMA			72190	OEMA 72190	72 72
1 Series (F20)	11-12	RWD	N/A	N/A			N/A	N/A	
3 Series Cpe. and Conv. (E92,93)	07-12	AWD	OEMA	OEMA			72070	OEMA 72070	71 71
3 Series Cpe. and Conv. (E92,93)	07-12	RWD	OEMA	OEMA			72190	OEMA 72190	72 72
3 Series Cpe. and Conv. (E46)	05-06	RWD/AWD	OEMA 67110 72110	OEMA	60 71		72090	OEMA 72090	71 71
3 Series Cpe. and Conv. (E46)	00-04	RWD/AWD	OEMA 67110 72110	OEMA	60 71		72080	OEMA 72080	71 71
3 Series Sedan and Wagon (E90,91)	06-12	AWD	OEMA	OEMA			72070	OEMA 72070	71 71
3 Series Sedan and Wagon (E90,91)	06-12	RWD	OEMA	OEMA			72190	OEMA 72190	72 72
3 Series Sedan and Wagon (E46)	04-05	RWD/AWD	OEMA 67110 72110	OEMA	60 71		72090	OEMA 72090	71 71
3 Series Sedan and Wagon (E46)	99-03	RWD/AWD	OEMA 67110 72110	OEMA	60 71		72080	OEMA 72080	71 71

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

BMW - cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
3 Series 318, 323, 325, 328, M3 (E36)	92-99	RWD	OEMA 67110 72110	OEMA	60 71		72070(9)	72070(9)	71,71
3 Series Z3 & M Cpe./Rdstr. (E36)	96-02	RWD	N/A	N/A			72070(9)	72070(9)	71,71
3 Series 318Ti (E30)	92-99	RWD	N/A	N/A			72090	72090	71,71
3 Series (E30)	84-91	RWD/AWD	N/A	N/A			72065	72065	71,71
3 Series M3 (E90)	07-12	RWD	OEMA	OEMA			N/A	OEMA	
3 Series M3 (E46)	00-06	RWD	OEMA	OEMA			N/A	OEMA	
3 Series Z4 (E89)	09-12	RWD	OEMA	OEMA			N/A	N/A	
3 Series Z4	03-08	RWD	OEMA 67110 72110	OEMA	60 71		72090	OEMA 72090	71 71
3 Series (F30)	12-12	RWD/AWD	N/A	N/A			N/A	N/A	
5 Series (E60,61)	06-09	AWD	OEMA	OEMA			N/A	OEMA 72190	72
5 Series (E60,61)	04-11	RWD	OEMA	OEMA			N/A	OEMA	
5 Series (E39)525i, 528i w/o EDC, 528iT, 530i	96-03	RWD	OEMA 72185	OEMA 72185	73,73		72080	72080	71,71
5 Series (E39) 528i w/EDC, 540i, 540iT, M5	96-04	RWD	OEMA 72185	OEMA 72185	73,73		72180	72180	72,72
5 Series (E23, E34)	87-95	RWD	N/A	N/A			N/A	N/A	
6 Series Coupe, Conv. (F12,13)	11-12	RWD/AWD	N/A	N/A			N/A	N/A	
6 Series (M6, E63)	04-11	RWD	72185	72185	73,73		N/A	N/A	
6 Series	80-89	RWD	N/A	N/A			N/A	N/A	
7 Series (E65,66,67,68)	02-12	RWD	72185	72185	73,73		N/A	OEMA	
7 Series (F01,02)	09-12	RWD/AWD	N/A	N/A			N/A	N/A	
7 Series (740,750,E38)	95-01	RWD	OEMA	OEMA			N/A	N/A	
7 Series	87-94	RWD	N/A	N/A			N/A	N/A	
8 Series(E31)	90-99	RWD	N/A	N/A			N/A	N/A	
8 Series Z8 Rdstr. (E52)	00-04	RWD	OEMA	OEMA			N/A	N/A	
X-3 (E83)	05-12	AWD	N/A	N/A			N/A	N/A	
X-5 (E70)	07-12	AWD	OEMA	OEMA			N/A	N/A	
X-5 (E53)	00-06	AWD	OEMA	OEMA			N/A	81280 82120/ 85130	76 78/ 127
X-6 (E71)	08-12	AWD	OEMA	OEMA			N/A	N/A	
BUICK									
Apollo - 'X' Body <i>Pro Springs - see pg. 90</i>	73-74	RWD	N/A	N/A		■	OEMA(4) 94305 94374 (Lower)	OEMA(4) 94305	88,88 91
Century	97-05	FWD	81260	OEMA			N/A	81260	76
Century	82-96	FWD	75600 or 75800(1)	75600 or 75800(1)	75,75		N/A	82110/ 85130	78/ 127
Century - 'A' Body <i>Pro Springs - see pg. 90</i>	73-77	RWD	N/A	N/A			OEMA(4) 94340, 94378	OEMA(4) 94340	88,91,88
Electra	85-96	FWD	81280 82120/ 85130	OEMA	76 78/ 127		OEMA	81280 82120/ 85130	76 78/ 127
Enclave	08-12	FWD/AWD	OEMA	OEMA			N/A	81280	76
Estate SW	80-90	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
Grand National 'G' Body <i>Pro Springs - see pg. 90</i>	78-87	RWD	N/A	N/A			OEMA(4) 94330, 94331 94332(7) 95336 (Lower)	OEMA(4) 94330, 94331 94332(7)	88,88 88 91
Grand National 'A' Body <i>Pro Springs - see pg. 90</i>	73-77	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

BUICK - cont.

Model/Body Style	Year	Drive Type	REAR CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	FRONT CASTER/TOOL	CAMBER/TOOL	Page
GS - 'A' Body <i>Pro Springs - see pg. 90</i>	64-72	RWD	N/A	N/A			OEMA(4) 94324, 94325 94320(7) 94344 (Lower)	OEMA(4) 94324, 94325 94320(7)	88,88 88 89
LaCrosse/Allure w/o Perf. Package	10-12	FWD/AWD	OEMA	OEMA			N/A	81250	76
LaCrosse/Allure	05-09	FWD	81260	OEMA	76		N/A	81250	76
LeSabre	00-06	FWD	75600 or 75800(1)	OEMA 75600 or 75800(1)	75 75		OEMA	81280 82120/ 85130	76 78/ 127
LeSabre	94-99	FWD	81280 82120/ 85130	OEMA	76 78/ 127		OEMA	81280 82120/ 85130	76 78/ 127
LeSabre	77-93	RWD	81280 82120/ 85130	OEMA	76 78/ 127		OEMA(4) 94378 (Lower)	OEMA(4)	91
LeSabre - 'B' Body <i>Pro Springs - see pg. 90</i>	71-76	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Lucerne	06-11	FWD	75600 or 75800(1)	OEMA 75600 or 75800(1)	75 75		N/A	81280 82120/ 85130	76 78/ 127
Park Avenue	97-07	FWD	75600 or 75800(1)	OEMA 75600 or 75800(1)	75 75		OEMA	81280 82120/ 85130	76 78/ 127
Park Avenue	85-96	FWD	81280 82120/ 85130	OEMA	76 78/ 127		OEMA	81280 82120/ 85130	76 78/ 127
Rainier	04-07	RWD/4WD	N/A	N/A			N/A	OEMA/ 83795	126
Reatta	89-91	FWD	75600 or 75800(1)	OEMA 75600 or 75800(1)	75 75		OEMA	81280 82120/ 85130	76 78/ 127
Regal	11-12	FWD	OEMA	OEMA			N/A	81250	76
Regal	97-04	FWD	81260	OEMA/ 83850	76/ 126		N/A	81260	76
Regal	95-96	FWD	81280 82120/ 85130	OEMA/ 83850	76/ 126 78/ 127		N/A	N/A/ 85130	127
Regal	88-94	FWD	81280	OEMA/ 83850	76/ 126		N/A	N/A/ 85130	127
Regal	88-94	FWD	82120/ 85130		78/ 127				
Regal - 'G' Body <i>Pro Springs - see pg. 90</i>	78-87	RWD	N/A	N/A			OEMA(4) 94330, 94331 94332(7) 95336 (Lower)	OEMA(4) 94330, 94331 94332(7)	88,88 88,88 91
Regal - 'A' Body <i>Pro Springs - see pg. 90</i>	73-77	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Rendezvous	02-07	AWD	OEMA	OEMA			N/A	81260	76
Rendezvous	02-07	FWD	75600 or 75800(1)	75600 or 75800(1)	75,75		N/A	81260	76
Riviera	95-99	FWD	75600 or 75800(1)	OEMA 75600 or 75800(1)	75 75		OEMA	81280 82120/ 85130	76 78/ 127
Riviera	86-92	FWD	75600 or 75800(1)	OEMA/ 83775 75600 or 75800(1)	75/ 126 75		OEMA	OEMA 81280 82120/ 85130	76 78/ 127
Riviera	78-85	FWD	75600 or 75800(1)	OEMA/ 83775 75600 or 75800(1)	75/ 126 75		OEMA	OEMA	
Roadmaster & SW	91-96	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
Skyhawk	82-89	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81280 82120/ 85130	76 78/ 127
Skylark	96-98	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81260	76
Skylark	86-95	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81280 82120/ 85130	76 78/ 127
Skylark	80-85	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	82110/ 85130	78/ 127
Skylark - 'X' Body <i>Pro Springs - see pg. 90</i>	75-79	RWD	N/A	N/A		■	OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Skylark & Special <i>Pro Springs - see pg. 90</i>	64-72	RWD	N/A	N/A			OEMA(4) 94324, 94325 94320(7) 94344 (Lower)	OEMA(4) 94324, 94325 94320(7)	88,88 88,88 89

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

BUICK - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Somerset	85-89	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81280 82120/ 85130	76 78/ 127
Terraza FWD	05-07	FWD	75600 or 75800(1)	75600 or 75800(1)	75,75		N/A	81260	76
Terraza AWD	05-07	AWD	OEMA	OEMA			N/A	81260	76
Verano	12-12	FWD	N/A	N/A			N/A	81250	76
CADILLAC									
Allante	93-93	FWD	OEMA	OEMA			OEMA/ 85130	81280 82120/ 85130	127 /76 78/ 127
Allante	87-92	FWD	N/A	OEMA			OEMA/ 85130	81280 82120/ 85130	76 78/ 127
Brougham	85-96	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
Catera	97-01	RWD	N/A	OEMA			N/A	81250	76
Cimarron	82-88	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81280 82120/ 85130	76 78/ 127
Concours (94)	94-99	FWD	OEMA	OEMA			OEMA	81280 82120/ 85130	76 78/ 127
CTS/CTS-V	03-12	RWD/AWD	OEMA/ 83795	OEMA/ 83850	126,126		OEMA/ 83775	OEMA/ 83775	126,126
Deville	00-05	FWD	75600 or 75800(1)	OEMA 75600 or 75800(1)	75 75		OEMA	81280 82120/ 85130	76 78/ 127
Deville	94-99	FWD	OEMA	OEMA			OEMA	81280 82120/ 85130	76 78/ 127
Deville	85-93	FWD	OEMA 82120/ 85130	OEMA	78/ 127		OEMA/ 85130	OEMA 82120/ 85130	127 78/ 127
DTS	06-11	FWD	75600 or 75800(1)	OEMA 75600 or 75800(1)	75 75		OEMA	81280 82120/ 85130	76 78/ 127
Eldorado	93-03	FWD	OEMA	OEMA			OEMA/ 85130	81280 82120/ 85130	127 /76 78/ 127
Eldorado	86-92	FWD	75600 or 75800(1)	OEMA/ 83775 75600 or 75800(1)	75, 126 75		OEMA	OEMA 81280 82120/ 85130	76 78/ 127
Eldorado	80-85	FWD	75600 or 75800(1)	OEMA/ 83775 75600 or 75800(1)	75, 126 75		OEMA	OEMA	
Escalade	99-01	RWD/4WD	N/A	N/A			OEMA 87400/ 74910 83790/ 74910	OEMA 87400/ 74910 83790/ 74910	84/ 123 79/ 123
Escalade/ESV/EXT JounceShock System-pg 110	02-12	RWD/4WD	N/A	N/A			OEMA 86375, 86325	OEMA 86350/ 72509, 79500 86375, 86325	82,81,82 123,125 82,81
Fleetwood	85-93	FWD	OEMA	OEMA			OEMA/ 85130	OEMA 82120/ 85130	127 78/ 127
Seville STS/SLS	98-04	FWD	75600 or 75800(1)	OEMA 75600 or 75800(1)	75 75		OEMA	81280 82120/ 85130	76 78/ 127
Seville STS/SLS	93-97	FWD	OEMA	OEMA			N/A	81280 82120/ 85130	76 78/ 127
Seville	86-92	FWD	75600 or 75800(1)	OEMA/ 83775 75600 or 75800(1)	75, 126 75		OEMA	OEMA 81280 82120/ 85130	76 78/ 127
Seville	80-85	FWD	75600 or 75800(1)	OEMA/ 83775 75600 or 75800(1)	75, 126 75		OEMA	OEMA	
SRX	10-12	FWD/AWD	OEMA	OEMA			N/A	81280	76
SRX	04-09	RWD/AWD	OEMA	OEMA/ 83850	126		OEMA/ 83775	OEMA/ 83775	126,126
STS	05-11	RWD/AWD	OEMA	OEMA/ 83850	126		OEMA/ 83775	OEMA/ 83775	126,126
XLR	04-11	RWD	OEMA	OEMA			OEMA	OEMA	

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

CHEVROLET/GMC

Model/Body Style	Year	Drive Type	REAR CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	FRONT CASTER/TOOL	CAMBER/TOOL	Page
1500, Silverado, Sierra JounceShock System-pg 110	99-12	RWD/4WD	N/A	N/A		■	OEMA 86375, 86325	OEMA 86350/ 72509, 79500 86375, 86325	82,81,82 123,125 82,81
1500HD	01-10	4WD	N/A	N/A		■	OEMA 86375, 86325 23960	OEMA 86330/ 72509, 79500 86375, 86325 23960	82,81,82 123,125 82,81 53,53
1500, 2500, 3500 (GMT400)	88-98	RWD/4WD	N/A	N/A		■	OEMA 87400/ 74910 83790/ 74910	OEMA 86350(2)/ 72509, 79500 87400/ 74910 83790/ 74910	82 123,125 84/ 123 79/ 123
2500, 3500, Silverado, Sierra	11-12	RWD/4WD	N/A	N/A		■	OEMA	OEMA	
2500, 3500, Silverado, Sierra	99-10	RWD/4WD	N/A	N/A		■	OEMA 86375, 86325 23960	OEMA 86330/ 72509, 79500 86375, 86325 23960	82,81,82 123,125 82,81 53,53
3500HD RWD Cab/Chassis	91-02	RWD	N/A	N/A		■	Axle Wedges	N/A	
4500, 5500, Kodiak, Topkick	05-12	4WD	N/A	N/A		■	23230* 24230	23230* 24230	51,51 54,54
Acadia	07-10	FWD/AWD	OEMA	OEMA			N/A	81280	76
Astro, Safari	85-06	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
Astro, Safari	88-06	AWD	N/A	N/A			OEMA 87400/ 74910 83790/ 74910	OEMA 87400/ 74910 83790/ 74910	84/ 123 79/ 123
Avalanche 1500 JounceShock System-pg 110	02-12	RWD/4WD	N/A	N/A		■	OEMA 86375, 86325	OEMA 86350/ 72509, 79500 86375, 86325	82,81,82 123,125 82,81
Avalanche 2500	02-06	4WD	N/A	N/A		■	OEMA 86375, 86325 23960	OEMA 86330/ 72509, 79500 86375, 86325 23960	82,81,82 123,125 82,81 53,53
Aveo	04-11	FWD	75200(1)	75200(1)	75,75		N/A	81250	76
Aveo	11-12	FWD	N/A	N/A			N/A	N/A	
Blazer(S10)	82-04	RWD/4WD	N/A	N/A		■	OEMA	OEMA	
Blazer	92-99	RWD/4WD	N/A	N/A		■	OEMA 87400/ 74910 83790/ 74910	OEMA 87400/ 74910 83790/ 74910	84/ 123 79/ 123
Blazer	65-87	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
Blazer	70-87	4WD	N/A	N/A		■	23000*/ 4169	23000*/ 4169	49/ 117
Beretta	96-97	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81260	76
Beretta	87-95	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81280 82120/ 85130	76 78/ 127
C10, C20 C30, C1500, C2500, C3500	65-87	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
Camaro	10-12	RWD	OEMA	OEMA			N/A	81280	76
Camaro	93-02	RWD	N/A	N/A			OEMA/ 83775	OEMA/ 83775	126,126
Camaro	82-92	RWD	N/A	N/A			OEMA	OEMA/ 8292 81280	117 76
Camaro - 'F' Body Pro Springs - see pg. 90	70-81	RWD	N/A	N/A		■	OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Camaro - 'F' Body Pro Springs - see pg. 90	67-69	RWD	N/A	N/A		■	OEMA(4) 94305 94374 (Lower)	OEMA(4) 94305	88,88 91
Canyon - See Colorado									

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

CHEVROLET/GMC - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Caprice & SW (See Impala)	80-96	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
Cavalier	95-05	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81260	76
Cavalier	82-94	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81280	76
Celebrity	2-90	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	82110/ 85130	78, 127
Chevelle - 'G' Body Pro Springs - see pg. 90	78-88	RWD	N/A	N/A			OEMA(4) 94330, 94331 94332(7) 95336 (Lower)	OEMA(4) 94330, 94331 94332(7)	88,88 88,88 91
Chevelle - 'A' Body Pro Springs - see pg. 90	73-77	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Chevelle - 'A' Body Pro Springs - see pg. 90	64-72	RWD	N/A	N/A			OEMA(4) 94324, 94325 94320(7) 94344 (Lower)	OEMA(4) 94324, 94325 94320(7)	88,88 88,88 89
Chevette	76-87	RWD	N/A	N/A			OEMA	OEMA	
Citation	80-85	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	82110/ 85130	78/ 127
Cobalt	05-11	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81250	76
Colorado, Canyon	04-12	RWD/4WD	N/A	N/A		■	OEMA/ 45938 86360 86375, 86325	OEMA/ 45938 86360 86375, 86325	121,121 82,82 82,81
Corsica	96-96	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81260	76
Corsica	87-95	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81280	76
Corvette (C5, C6)	97-12	RWD	OEMA	OEMA			OEMA	OEMA	
Corvette (Late C4)	88-96	RWD	OEMA	OEMA			OEMA(4) 94370, 94371	OEMA(4) 94370, 94371	89,89
Corvette (Early C4)	84-87	RWD	OEMA	OEMA			OEMA(4) 94368, 94369	OEMA(4) 94368, 94369	89,89
Corvette (C3)	63-82	RWD	OEMA 83160	OEMA 47170*	79,56		OEMA(4) 94360	OEMA(4) 94360	89,89
Cruze	11-12	FWD	N/A	N/A			N/A	81250	76
Denali-See Yukon									
El Camino - 'G' Body Pro Springs - see pg. 90	78-88	RWD	N/A	N/A			OEMA(4) 94330, 94331 94332(7) 95336 (Lower)	OEMA(4) 94330, 94331 94332(7)	88,88 88,88 91
El Camino - 'A' Body Pro Springs - see pg. 90	73-77	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
El Camino - 'A' Body Pro Springs - see pg. 90	64-72	RWD	N/A	N/A			OEMA(4) 94324, 94325 94320(7) 94344 (Lower)	OEMA(4) 94324, 94325 94320(7)	88,88 88,88 89
Envoy	02-09	RWD/4WD	N/A	N/A			N/A	OEMA/ 83795	126
Equinox, Terrain	05-12	FWD/AWD	OEMA 87420	OEMA 87420	84,84		N/A	81260	76
Express, Savana Van	03-12	RWD/4WD	N/A	N/A		■	OEMA 45940 86375, 86325	OEMA 86350/ 45940 86375, 86325	121,82/121 82,81

ALIGNMENT FOOTNOTES BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD

- (1) = CAUTION: Check for caliper to rotor clearance with disc brakes. Use spacer pak 75970 (pg. 75) as necessary to keep caliper centered on rotor • (2) = All EXCEPT RWD 1500
 (3) = Check Bolt Length BEFORE Cutting Hole • (4) = Shims (pg. 56-57) • (5) = LH Toe Tool for front toe adjustment (pg. 94) • (6) = Bolts, 73415, are necessary for changes greater than 3/4" (pg. 74)
 (7) = Recommended for vehicles lowered more than 1.5" • (8) = Will not work on 1988-89 models with welded-in ball joint • (9) = M3 Only, caster will decrease by 2 degrees
 (10) = Limited camber range of $\pm 1.0^\circ$ • (11) = Center stock camber and toe adjusters before calculating shim change

■ = Thrust Alignment Plate can correct thrust angle and setback (pg. 57)/Check frame angle with Angle Gauge Part No. 64225 (pg. 121)

N/A = No Available Adjuster • OEMA = Original Equipment Manufacturer Adjustment • (*) = Series P/N, for correct size • SW = Station Wagon • ©2012 Niwot Corp. dba Specialty Products Co.®

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

CHEVROLET/GMC - cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Express, Savana Van	96-02	RWD	N/A	N/A		■	OEMA 87400/ 74910 83790/ 74910	OEMA 87400/ 74910 83790/ 74910	84, 123 79/ 123
G10,G20,G30	71-96	RWD	N/A	N/A		■	OEMA(4)	OEMA(4)	
HHR	06-10	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81250	76
Impala/Caprice	99-12	FWD	81260	OEMA	76		N/A	81260	76
Impala/Caprice 'B' Body <i>Pro Springs - see pg. 90</i>	78-96	RWD	N/A	N/A			OEMA(4) 94378 (Lower)	OEMA(4)	91
Impala/Caprice 'B' Body <i>Pro Springs - see pg. 90</i>	73-77	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Impala	58-64	RWD	N/A	N/A			OEMA(4) 94360	OEMA(4) 94360	88,88
Jimmy-Full Size	88-91	RWD	N/A	N/A		■	OEMA(4)	OEMA(4)	
Jimmy/S10 & S15	82-04	RWD/4WD	N/A	N/A		■	OEMA	OEMA	
K30, V30 (Dana 60)	88-94	4WD	N/A	N/A			Axle Wedges 88940 88950	88940 88950	86,86 86,86
K30, V30	58-87	4WD	N/A	N/A		■	Axle Wedges	23000*/ 4169	49, 117
Kodiak-See 4500, 5500									
Lumina APV Van	90-96	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	82110/ 85130	78/ 127
Lumina Sedan	97-01	FWD	81260	OEMA/ 83850	76, 126		N/A	N/A/ 85130	127
Lumina Sedan	88-96	FWD	81280 82120/ 85130	OEMA/ 83850	76, 126 78/ 127		N/A	N/A/ 85130	127
Luv	80-82	RWD/4WD	N/A	N/A		■	OEMA(4)	OEMA(4)	
Malibu	04-12	FWD	OEMA 75400(1)(11)	OEMA 75400(1)(11)	75,75		N/A	81250	76
Malibu	97-03	FWD	81250	OEMA	76		N/A	81260	76
Malibu - 'G' Body <i>Pro Springs - see pg. 90</i>	78-88	RWD	N/A	N/A			OEMA(4) 94330, 94331 94332(7) 95336 (Lower)	OEMA(4) 94330, 94331 94332(7)	88,88 88,88 91
Malibu - 'A' Body <i>Pro Springs - see pg. 90</i>	73-77	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Malibu - 'A' Body <i>Pro Springs - see pg. 90</i>	64-72	RWD	N/A	N/A			OEMA(4) 94324, 94325 94320(7) 94344 (Lower)	OEMA(4) 94324, 94325 94320(7)	88,88 88,88 89
Metro	98-01	FWD	N/A	OEMA			N/A	81250	76
Monte Carlo	00-07	FWD	81260	OEMA	76		N/A	81260	76
Monte Carlo	95-99	FWD	81280 82120/ 85130	OEMA/ 83850	76, 126 78/ 127		N/A	N/A/ 85130	127
Monte Carlo - 'G' Body <i>Pro Springs - see pg. 90</i>	78-88	RWD	N/A	N/A			OEMA(4) 94330, 94331 94332(7) 95336 (Lower)	OEMA(4) 94330, 94331 94332(7)	88,88 88,88 91
Monte Carlo - 'A' Body <i>Pro Springs - see pg. 90</i>	73-77	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Monte Carlo - 'A' Body <i>Pro Springs - see pg. 90</i>	68-72	RWD	N/A	N/A			OEMA(4) 94324, 94325 94320(7) 94344 (Lower)	OEMA(4) 94324, 94325 94320(7)	88,88 88,88 89
Nova	85-88	FWD	81250	OEMA	76		N/A	OEMA 81250	76
Nova - 'X' Body <i>Pro Springs - see pg. 90</i>	75-79	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Nova - 'X' Body <i>Pro Springs - see pg. 90</i>	68-74	RWD	N/A	N/A			OEMA(4) 94305 94374 (Lower)	OEMA(4) 94305	88,88 91

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

CHEVROLET/GMC - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Prizm	98-02	FWD	81250 75800 or 75600(1)	OEMA 75800 or 75600(1)	75,75		N/A	OEMA 81260	76
R10, R20, R30, R1500, R2500, R3500	88-91	RWD	N/A	N/A		■	OEMA(4)	OEMA(4)	
S10/S15 Pickup	82-04	RWD/4WD	N/A	N/A		■	OEMA	OEMA	
Safari-See Astro									
Savana Van-See Express Van									
Sierra-See 1500 and 2500									
Silverado-See 1500 and 2500									
Sonic	12-12	FWD	N/A	N/A			N/A	N/A	
Sonoma/S15	82-04	RWD/4WD	N/A	N/A		■	OEMA	OEMA	
Spectrum	85-88	FWD	75200(1) 71100*(1)	75200(1) 71100*(1)	75,75 69,69		N/A	81250	76
Sprint	87-88	FWD	N/A	N/A			N/A	OEMA 81250	76
Sprint	85-86	FWD	N/A	N/A			N/A	81250	76
SSR	04-06	RWD	N/A	N/A		■	N/A	OEMA	
Suburban JounceShock System-pg 110	00-12	RWD/4WD	N/A	N/A			OEMA 86375, 86325	OEMA 86350/ 72509, 79500 86375, 86325	82,81,82 123,125 123,125
Suburban 2500	00-12	RWD/4WD	N/A	N/A		■	OEMA 86375, 86325 23960	OEMA 86330/ 72509, 79500 86375, 86325	82,81,82 123,125 82,81 53,53
Suburban	92-99	RWD/4WD	N/A	N/A		■	OEMA 87400/ 74910 83790/ 74910	OEMA 86350(2)/ 72509, 79500 87400/ 74910 83790/ 74910	82, 123,125 84,123 79,123
Suburban	70-91	4WD	N/A	N/A			23000*/ 4169	23000*/ 4169	49, 117
Suburban	65-91	RWD	N/A	N/A		■	OEMA(4)	OEMA(4)	
Tahoe JounceShock System-pg 110	00-12	RWD/4WD	N/A	N/A			OEMA 86375, 86325	OEMA 86350/ 72509, 79500 86375, 86325	82,81,82 123,125 82,81
Tahoe	92-99	RWD/4WD	N/A	N/A			OEMA	OEMA 86350(2)/ 72509, 79500	82, 123,125
Tahoe	92-99	RWD/4WD				■	87400/ 74910	87400,74910	84,123
Tahoe	92-99	RWD/4WD					83790/ 74910	83790/ 74910	79,123
Terrain-See Equinox									
Topkick-See 4500, 5500									
Tracker	98-04	4WD	N/A	N/A		■	N/A	81250	76
Trailblazer	02-09	RWD/4WD	N/A	N/A			N/A	OEMA/ 83795	126
Traverse	09-12	FWD/AWD	OEMA	OEMA			N/A	81280	76
'Tri-5' Body	55-57	RWD	N/A	N/A			94350	94350	89,89
Uplander AWD	05-08	AWD	OEMA	OEMA			N/A	81260	76
Uplander FWD	05-08	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	81260	76
V10, V20, V1500, V2500	88-91	4WD	N/A	N/A		■	23000*/ 4169	23000*/ 4169	49, 117
Venture FWD	97-05	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	81260	76
Venture AWD	02-05	AWD	OEMA	OEMA			N/A	81260	76
Volt	11-12	FWD	N/A	N/A			N/A	81250	76
Yukon, Denali 1500 JounceShock System-pg 110	00-12	RWD/4WD	N/A	N/A		■	OEMA 86375, 86325	OEMA 86350/ 72509, 79500 86375, 86325	82,81,82 123,125 82,81

ALIGNMENT FOOTNOTES BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD

- (1) = CAUTION: Check for caliper to rotor clearance with disc brakes. Use spacer pak 75970 (pg. 75) as necessary to keep caliper centered on rotor • (2) = All EXCEPT RWD 1500
 (3) = Check Bolt Length BEFORE Cutting Hole • (4) = Shims (pg. 56-57) • (5) = LH Toe Tool for front toe adjustment (pg. 94) • (6) = Bolts, 73415, are necessary for changes greater than 3/4" (pg. 74)
 (7) = Recommended for vehicles lowered more than 1.5" • (8) = Will not work on 1988-89 models with welded-in ball joint • (9) = M3 Only, caster will decrease by 2 degrees
 (10) = Limited camber range of $\pm 1.0^\circ$ • (11) = Center stock camber and toe adjusters before calculating shim change

■ = Thrust Alignment Plate can correct thrust angle and setback (pg. 57)/Check frame angle with Angle Gauge Part No. 64225 (pg. 121)

N/A = No Available Adjuster • OEMA = Original Equipment Manufacturer Adjustment • (*) = Series P/N, for correct size • SW = Station Wagon • ©2012 Niwot Corp. dba Specialty Products Co.®

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

CHEVROLET/GMC - cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Yukon, Denali 2500	00-12	RWD/4WD	N/A	N/A		■	OEMA 86375, 86325	OEMA 86330/ 72509, 79500 86375, 86325	82,81,82 123,125 123,125
Yukon	92-99	RWD/4WD	N/A	N/A		■	OEMA 87400/ 74910 83790/ 74910	OEMA 86350(2)/ 72509, 79500 87400/ 74910 83790/ 74910	82, 123,125 84, 123 79, 123

CHRYSLER

All Passenger Car Models	60-73	RWD	N/A	N/A			OEMA 83160	OEMA 83160	79,79
Aspen	07-10	RWD/AWD	N/A	N/A			OEMA	OEMA	
200	11-12	FWD	75600(1)	OEMA 75600(1)	75 75		N/A	81260	76
300	12-12	RWD/AWD	N/A	N/A			N/A	N/A	
300 AWD	05-11	AWD	66050/ 66025, 40920	OEMA	58/ 121,119		OEMA	OEMA	
300 RWD	09-11	RWD	66050/ 66025, 40920	OEMA	58/ 121,119		OEMA 66045	OEMA 66045	58,58
300 RWD	05-08	RWD	66050/ 66025, 40920	OEMA	58/ 121,119		OEMA 66040	OEMA 66040	58,58
300 FWD	99-04	FWD	67080	OEMA	60		N/A	81280 82120/ 85130	76 78/ 127
Cirrus	95-00	FWD	OEMA	OEMA			N/A	67180/ 40920	61/ 119
Concord (5)	98-04	FWD	67080	OEMA	60		N/A	81280 82120/ 85130	76 78/ 127
Concord (5)	93-97	FWD	67020	OEMA	59		N/A	81280 82120/ 85130	76 78/ 127
Crossfire	04-09	RWD	OEMA	N/A			OEMA	OEMA	
E-Class/E & Exec. Sedan	83-87	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Fifth Ave.	90-93	FWD	75200(1) 71100*(1)	75200(1) 71100*(1)	75,75 69,69		N/A	OEMA 83170	79
Imperial	90-94	FWD	75200(1) 71100*(1)	75200(1) 71100*(1)	75,75 69,69		N/A	OEMA 83170	79
Laser	84-86	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
LeBaron	84-95	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
LeBaron	82-83	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
LHS (5)	98-02	FWD	67080	OEMA	60		N/A	81280 82120/ 85130	76 78/ 127
LHS (5)	94-97	FWD	67020	OEMA	59		N/A	81280 82120/ 85130	76 78/ 127
New Yorker	94-97	FWD	67020	OEMA	59		N/A	81280 82120/ 85130	76 78/ 127
New Yorker	88-93	FWD	75200(1) 71100*(1)	75200(1) 71100*(1)	75,75 69,69		N/A	OEMA 83170	79
New Yorker 5th Ave.	83-89	RWD	N/A	N/A			OEMA	OEMA	
New Yorker	83-87	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Pacifica	04-09	AWD/FWD	66050/ 66025, 40920	OEMA	58/ 121,119		N/A	81260	76
PT Cruiser	01-11	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	81260	76
Sebring Sedan & Conv.	07-10	FWD	67015	OEMA	58		N/A	81260	76
Sebring Sedan & Conv.	04-06	FWD	67025	OEMA	59		N/A	67180/ 40920	61/ 119

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

CHRYSLER - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Sebring Sedan & Conv.	01-03	FWD	OEMA	OEMA			N/A	67180/ 40920	61/ 119
Sebring 2Dr. Coupe	01-06	FWD	73600 73620(7) 73400+73415(6)	OEMA	74 74 74,74		N/A	81280 82120/ 85130	76 78/ 127
Sebring	95-00	FWD	73600 73620(7) 73400+73415(6)	OEMA	74 74 74,74		N/A	67170/40920 67370(7)/ 40920	61/ 119 63/ 119
Sebring Conv.	96-00	FWD	OEMA	OEMA			N/A	67180/ 40920	61/ 119
Town & Country	01-12	FWD	71730*(1)	71720*(1)	70,70		N/A	OEMA 81260 83170/ 85130	76 79/ 127
Town & Country	01-12	AWD	N/A	N/A			N/A	81260 83170/ 85130	76 79/ 127
Town & Country w/ABS	96-00	AWD	N/A	N/A			N/A	OEMA 83170	79
Town & Country w/o ABS	96-00	FWD	71730*	71720*	70,70		N/A	OEMA 83170	79
Town & Country	90-95	FWD	75400(1) 71300*(1)	75400(1) 71300*(1)	75,75 69,69		N/A	OEMA 83170	79
Town & Country	82-89	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Voyager	02-04	FWD	71730*	71720*	70,70		N/A	OEMA 81260 83170/ 85130	76 79/ 127
Voyager	02-04	AWD	N/A	N/A			N/A	81260 83170/ 85130	76 79/ 127
DAEWOO									
Lanos	98-02	FWD	N/A	N/A			N/A	N/A	
Leganza	98-02	FWD	81250	OEMA	76		N/A	81250	76
Nubira	98-02	FWD	81250	OEMA	76		N/A	81250	76
Optra	03-07	FWD	81250	OEMA	76		N/A	81250	76
DAIHATSU									
Charade	88-92	FWD	81250	OEMA	76		N/A	81250	76
Rocky	90-92	4WD	N/A	N/A			OEMA(4)	OEMA(4)	
DODGE/RAM									
All Passenger Car Models	60-73	RWD	N/A	N/A			OEMA 83160	OEMA 83160	79,79
All Passenger B & E (Except 880)	62-65	RWD	N/A	N/A			94450, 94451	94450, 94451	91,91
1500 Ram	06-12	RWD/4WD	N/A	N/A			OEMA 23940	OEMA 23940	53,53
1500 Ram Mega Cab	06-12	4WD	N/A	N/A		■	23800-23830/ 23780, 72509	23800-23830/ 23780, 72509	53,53 117,123
1500 Ram	02-05	4WD	N/A	N/A		■	OEMA 23755	OEMA 23755	52,52
1500 Ram	02-05	RWD	N/A	N/A		■	OEMA 23765	OEMA 23765	52,52
1500 Ram	94-01	4WD	N/A	N/A		■	23510-23540/ 23580, 72509 82380/ 8286	23510-23540/ 23580, 72509 /8286	52,52 117,123 78/ 117
1500 Ram	94-01	RWD	N/A	N/A		■	OEMA	OEMA	

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 (7) = Recommended for vehicles lowered more than 1.5" • (8) = Will not work on 1988-89 models with welded-in ball joint • (9) = M3 Only, caster will decrease by 2 degrees
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 ■ = Thrust Alignment Plate can correct thrust angle and setback (pg. 57)/Check frame angle with Angle Gauge Part No. 64225 (pg. 121)
 N/A = No Available Adjuster • OEMA = Original Equipment Manufacturer Adjustment • (*) = Series P/N, for correct size • SW = Station Wagon • ©2012 Niwot Corp. dba Specialty Products Co.®
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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

DODGE/RAM - cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
2500 LD Ram	94-01	4WD	N/A	N/A		■	23510-23540/ 23580,72509	23510-23540/ 23580, 72509	52,52 117,123
2500 LD Ram	94-01	RWD	N/A	N/A		■	OEMA/8286	OEMA/8286	117,117
2500 HD, 3500 Ram	03-12	4WD	N/A	N/A		■	23800-23830/ 23780,72509	23800-23830/ 23780, 72509	53,53 117,123 78
2500 HD, 3500 Ram	03-12	RWD	N/A	N/A		■	OEMA	OEMA	
2500 HD, 3500 Ram	00-02	RWD/4WD	N/A	N/A		■	23710-23730/ 23780,72509	23710-23730/ 23780, 7250	52,52 117,123 78
2500 HD, 3500 Ram	94-99	4WD	N/A	N/A		■	23130* 24130/74500 82385	23130* 24130/74500	50,50 54/123 78
3500 Ram w/mono beam	00-12	RWD/4WD	N/A	N/A		■	82385	N/A	78
3500 Ram w/mono beam	94-99	RWD/4WD	N/A	N/A		■	23130* 24130/74500 82385	23130* 24130/74500	50,50 54/123 78
4500 / 5500 Ram	08-12	4WD	N/A	N/A		■	N/A	23850-23854/ 23780,72509	53,53 117,123
4500 / 5500 Ram	08-12	RWD	N/A	N/A		■	23850-23854/ 23780,72509	23850-23854/ 23780,72509	53,53 117,123
400	83-84	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170(2)	79
600	83-88	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170(2)	79
AD150 Ramcharger	90-96	RWD	N/A	N/A		■	OEMA/8286	OEMA/8286	117,117
AD150 Ramcharger	72-89	RWD	N/A	N/A		■	OEMA 83160	OEMA 83160	79,79
Aries	81-89	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170(2)	79
Avenger	08-12	FWD/AWD	67015	OEMA	58		N/A	81260	76
Avenger	95-00	FWD	73600 73620(7) 73400+73415(6)	OEMA	74 74 74,74		N/A	67170/40920 67370(7)/40920	61/119 63/119
B150, B250, B350 Ram Van	81-01	RWD	N/A	N/A		■	OEMA/8286	OEMA/8286	117,117
B100, B200, B300 Ram Van	70-80	RWD	N/A	N/A		■	OEMA 83160	OEMA 83160	79,79
Caliber	07-12	FWD/AWD	67450/ 67451,72059	OEMA	64 122,123		N/A	81260	76
Caravan/Grand Caravan	01-12	FWD	71730*(1)	71720*(1)	70,70		N/A	OEMA 81260 83170/85130	76 79/127
Caravan/Grand Caravan	01-12	AWD	N/A	N/A			N/A	81260 83170/85130	76 79/127
Caravan/Grand Caravan	96-00 w/ABS	FWD/AWD	N/A	N/A			N/A	OEMA 83170	79
Caravan/Grand Caravan	96-00 w/o ABS	FWD	71730*	71720*	70,70		N/A	OEMA 83170	79
Caravan/Grand Caravan	84-95	FWD	75400(1) 71300*(1)	75400(1) 71300*(1)	75,75 69,69			OEMA 83170	79
Challenger	09-12	RWD	66050/66025, 40920	OEMA	58/121,119		OEMA 66045	OEMA 66045	58,58
Challenger	80-83	RWD	N/A	N/A			OEMA	N/A	
Challenger	70-74	RWD	N/A	N/A		■	OEMA 94450, 94451	OEMA 94450, 94451	91,91
Charger	09-12	RWD	66050/66025, 40920	OEMA	58/121,119		OEMA 66045	OEMA 66045	58,58
Charger	06-08	RWD	66050/66025, 40920	OEMA	58/121,119		OEMA 66040	OEMA 66040	58,58

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

DODGE/RAM - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Charger	06-12	AWD	66050/66025, 40920	OEMA	58/121,119		OEMA	OEMA	
Charger	82-87	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Charger	66-72	RWD	N/A	N/A		■	OEMA 94450, 94451	OEMA 94450, 94451	91,91
Colt	93-94	FWD	OEMA	OEMA			N/A	81250	76
Colt	80-93	FWD	N/A	N/A			N/A	81250	76
Colt	80-87	RWD	N/A	N/A			OEMA	81250	76
Colt Vista	92-94	FWD/AWD	N/A	OEMA			N/A	OEMA	
Colt Vista	84-91	FWD/AWD	N/A	OEMA			OEMA	81250	76
Colt Vista	84-94	4WD	N/A	OEMA			N/A	81250	76
Conquest	84-86	RWD	N/A	OEMA			OEMA	N/A	
Coronet	65-72	RWD	N/A	N/A		■	OEMA 94450, 94451	OEMA 94450, 94451	91,91
D150, D250, D350 Truck	88-93	RWD	N/A	N/A		■	OEMA	OEMA	
D100, D150, D200, D450 Truck	72-87	RWD	N/A	N/A		■	OEMA 83160	OEMA 83160	79
Dakota	87-12	RWD/AWD	N/A	N/A		■	OEMA/8286	OEMA/8286, 6140	117,117
Dart	72-76	RWD	N/A	N/A		■	OEMA 94460, 94461	OEMA 94460, 94461	91,91
Daytona	84-94	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Durango	11-12	RWD/AWD	N/A	OEMA			OEMA	OEMA	
Durango	04-10	RWD/AWD	N/A	N/A			OEMA	OEMA	
Durango	98-03	RWD/AWD	N/A	N/A		■	OEMA/8286	OEMA/8286, 6140	117,117
Dynasty	88-94	FWD	75200(1) 71100*(1)	75200(1) 71100*(1)	75,75 69,69		N/A	OEMA 83170	79
Intrepid (5)	98-04	FWD	67080	OEMA	60		N/A	81280 82120/85130	76 78,127
Intrepid (5)	93-97	FWD	67020	OEMA	59		N/A	81280 82120/85130	79 78,127
Journey	09-12	FWD/AWD	67015	OEMA	58		N/A	81260	76
Lancer	85-89	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Magnum RWD	05-08	RWD	66050/66025, 40920	OEMA	58/121,119		OEMA 66040	OEMA 66040	58,58
Magnum AWD	05-08	AWD	66050/66025, 40920	OEMA	58/121,119		OEMA	OEMA	
Monaco/X58	90-92	FWD	75200(1) 71100*(1)	75200(1) 71100*(1)	75,75 69,69		N/A	81280 82120/85130	76 78,127
Neon, R/T, SRT	94-06	FWD	81250 67210	OEMA 67210	76 61,61		N/A	81260	76
Nitro	07-12	RWD/AWD	N/A	N/A			OEMA	OEMA	
O24	80-82	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Omni	80-90	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
R/T	67-70	RWD	N/A	N/A		■	OEMA 94450, 94451	OEMA 94450, 94451	91,91
Raider	87-89	RWD/AWD	N/A	N/A		■	OEMA	OEMA	

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

DODGE/RAM - cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Rampage	82-84	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Shadow	87-94	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Spirit	89-96	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Sprinter Van	07-12	RWD	N/A	N/A			N/A	OEMA	
Sprinter Van	03-06	RWD	N/A	N/A			35075, 35076	35075, 35076	56,56
Stratus 2Dr.	01-06	FWD	73600 73620(7) 73400+73415(6)	OEMA	74 74 74,74		N/A	81280 82120/ 85130	76 78/ 127
Stratus 4Dr.	04-06	FWD	67025	OEMA	59		N/A	67180/ 40920	61/ 119
Stratus 4Dr.	95-03	FWD	OEMA	OEMA			N/A	67180/ 40920	61/ 119
Stealth	91-96	FWD/AWD	OEMA	OEMA			N/A	OEMA	
Super Bee	68-70	RWD	N/A	N/A		■	OEMA 94450, 94451	OEMA 94450, 94451	91,91
Viper	94-09	RWD	OEMA	OEMA			OEMA	OEMA	
W100, W150, AW150 Truck	72-93	4WD	N/A	N/A		■	23000*/ 4169	23000*/ 4169	49/ 117
W200, W250 Truck	72-93	4WD	N/A	N/A		■	23000*/ 4169	23000*/ 4169	49/ 117
W300, W350 Truck	60-93	4WD	N/A	N/A		■	Axle Wedges	N/A	49/ 117
W300, W350 Truck w/ Dana 60	75-93	4WD	N/A	N/A		■	Axle Wedges 88940 88950	88940 88950	86,86 86,86

EAGLE

Medallion	88-89	FWD	75200(1) 71100*(1)	75200(1) 71100*(1)	75,75 69,69		N/A	81280 82120/ 85130	76 78/ 127
Premier/X58	88-92	FWD	75200(1) 71100*(1)	75200(1) 71100*(1)	75,75 69,69		N/A	81280 82120/ 85130	76 78/ 127
Summit	89-96	FWD	N/A	N/A			N/A	81250	76
Summit SW	92-96	FWD/AWD	N/A	OEMA			N/A	81250	76
Talon	95-99	FWD/AWD	73600 73620(7)	OEMA	74 74			67170/40920 67370(7)/ 40920	61/ 119 63/ 119
Talon	90-94	FWD	N/A	N/A			N/A	81250	76
Talon	90-94	AWD	OEMA	OEMA			N/A	81250	76
Vision (5)	93-97	FWD	67020	OEMA	59		N/A	81280	76

FIAT

500	12-12	FWD	N/A	N/A			N/A	81250	76
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FORD

Aerostar	85-97	RWD/4WD	N/A	N/A			OEMA(4)/ 87130	OEMA(4)/ 87130	127,127
Aspire	95-97	FWD	75200(1) 71100*(1)	75200(1) 71100*(1)	75,75 69,69		N/A	OEMA 81250	76
Bronco	87-96	4WD	N/A	N/A		■	23100*/ 77880 24130/ 74500 87275	23100*/ 77880 24130/ 74500	49/ 125 54/ 123 83
Bronco	80-86	4WD	N/A	N/A		■	23100*/ 77880 24130/ 74500 87225	23100*/ 77880 24130/ 74500	49/ 125 54/ 123 83
Bronco	66-79	4WD	N/A	N/A		■	23000*/ 4169	23000*/ 4169	49/ 117
Bronco II (Late 1990)	90-90	4WD	N/A	N/A		■	23180*/ 77880, 87175 24180 74400, 74500 87275	23180*/ 77880, 87175 24180 74400, 74500	51,51 125,128 54,54 123,123 83
Bronco II (Early 1990)	83-89	4WD	N/A	N/A		■	23120*/ 77880 24120/ 74500 87275	23120*/ 77880 24120/ 74500	50/ 125 54/ 123 83

Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

FORD - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Bronco II	89-90	RWD	N/A	N/A		■	23180*/ 77880, 87175 24180 74400, 74500 87275	23180*/ 77880, 87175 24180 74400, 74500	51,51 125,128 54 123,123 83
Bronco II	83-88	RWD	N/A	N/A		■	87275	23160* 24160/ 74400	83,50 54/ 123
C-Max	10-12	FWD	N/A	N/A			N/A	N/A	
Contour	95-00	FWD	N/A	OEMA			89675	89675	86,86
Crown Victoria (incl. Fleet)	03-12	RWD	N/A	N/A			OEMA	OEMA 87365/ 85130, 02099	84/ 127,135
Crown Victoria (incl. Fleet)	92-02	RWD	N/A	N/A			OEMA	OEMA/ 88325	128
Crown Victoria (incl. Fleet)	80-91	RWD	N/A	N/A			OEMA	OEMA	
E150, E250, E350, E450	92-12	RWD	N/A	N/A		■	23180*/ 77880, 87175 24180/ 74400, 74500 87280	23180*/ 77880, 87175 24180/ 74400, 74500	51,51 125,128 54,54 123,123 83
E150, E250, E350 - w/king pins	65-90	RWD	N/A	N/A		■	N/A	N/A	
E250, E350, E450 (with ball joints)	80-03 80-03	4WD 4WD	N/A	N/A		■	23100*/ 77880 24130/ 74500	23100*/ 77880 24130/ 74500	49/ 125 54/ 123
Edge	07-12	FWD/AWD	OEMA	OEMA			N/A	81280	76
Escape incl. Hybrid	12-12	FWD/AWD	N/A	N/A			N/A	N/A	
Escape incl. Hybrid	09-11	FWD/AWD	67285	OEMA	62		OEMA	OEMA 81250	76
Escape incl. Hybrid	01-08	FWD/AWD	67285 67280	OEMA	62		OEMA	OEMA 81250	76
Escort/ZX2	97-04	FWD	81250	OEMA	76		OEMA	OEMA 81250	76
Escort	91-96	FWD	81250	OEMA 67070	76 59		OEMA	OEMA 81250	76
Escort	81-90	FWD	81250	OEMA	76		N/A	N/A	
Excursion	00-05	4WD	N/A	N/A		■	23130*/ 77880, 88830 24130/ 74500	23130*/ 77880, 88830 24130/ 74500	50,50 125,128 54/ 123
Excursion	00-05	RWD	N/A	N/A		■	23180*/ 77880, 87175 24180/ 74400, 74500	23180*/ 77880, 87175 24180/ 74400, 74500	51,51 125,128 54,54 123,123
EXP	82-88	FWD	81250	OEMA	76		N/A	N/A	
Expedition	07-12	RWD/4WD	OEMA	OEMA			OEMA 86250	OEMA 86250	81,81
Expedition	03-06	RWD/4WD	86680	OEMA	83		86640	86640	82,82
Expedition	97-02	RWD/4WD	N/A	N/A		■	87385	87385	84,84
Explorer	11-12	RWD/4WD	OEMA	OEMA			N/A	OEMA	
Explorer	06-10	RWD/4WD	OEMA	OEMA			OEMA	OEMA	
Explorer	02-05	RWD/4WD	86180	OEMA	81		86140	86140	80,80
Explorer	95-01	RWD/4WD	N/A	N/A		■	87310 87500	87310 87500	83,83 85,85
Explorer	91-94	RWD/4WD	N/A	N/A		■	23180*/ 77880, 87175 24180/ 74400, 74500 87275	23180*/ 77880, 87175 24180/ 74400, 74500	51,51 125,128 54,54 123,123 83

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Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

FORD - cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Explorer Sport Trac	07-12	RWD/4WD	OEMA	OEMA			OEMA	OEMA	
Explorer Sport Trac	03-06	RWD/4WD	N/A	N/A		■	87500	87500	85,85
Explorer Sport Trac	01-02	RWD/4WD	N/A	N/A		■	87310 87500	87310 87500	83,83 85,85
F100	66-79	4WD	N/A	N/A		■	23000*/4169	23000*/4169	49/117
F100, F150, F250, F350 King Pin	82-90	RWD	N/A	N/A		■	87275	N/A	83
F100, F150, F250, F350 King Pin	65-82	RWD	N/A	N/A		■	N/A	N/A	
F150	04-12	4WD	N/A	N/A			OEMA	OEMA	
JounceShock System-pg 110							86250	86250	81,81
F150	97-03	4WD	N/A	N/A		■	87385	87385	84,84
F150	87-96	4WD	N/A	N/A		■	23100*/77880 24130/74500 87275	23100*/77880 24130/74500	49/125 54/123 83
F150	80-86	4WD	N/A	N/A		■	23100*/77880 24130/74500 87225	23100*/77880 24130/74500	49/125 54/123 83
F150	66-79	4WD	N/A	N/A		■	23000*/4169	23000*/4169	49/117
F150	04-12	RWD	N/A	N/A			OEMA	OEMA	
							86250	86250	81,81
F150	97-03	RWD	N/A	N/A		■	87385	87385	84,84
F150	87-96	RWD	N/A	N/A		■	23180*/ 77880,87175 24180/ 74400,74500 87275 87280	23180*/ 77880,87175 24180/ 74400,74500	51,51 125,128 54,54 123,123 83 83
F150	82-86	RWD	N/A	N/A		■	87225	23160* 24160/74400	83,50 54/123
F150 Heritage	04-05	RWD/4WD	N/A	N/A		■	87385	87385	84,84
F250	89-96	RWD	N/A	N/A		■	23180*/ 77880,87175 24180/ 74400,74500 87275 87280	23180*/ 77880,87175 24180/ 74400,74500	51,51 125,128 54,54 123,123 83 83
F250 Solid Axle - Coil Spring	05-12	RWD/4WD	N/A	N/A		■	23220* 24220	23220* 24220	51,51 54,54
JounceShock System - pg 110									
F250 Twin I-Beam	98-12	RWD	N/A	N/A		■	23180*/ 77880,87175 24180/ 74400,74500	23180*/ 77880,87175 24180/ 74400,74500	51,51 125,128 54,54 123,123
F250 Solid Axle - Leaf Spring	99-04	RWD/4WD	N/A	N/A		■	23130* 24130/74500	23130* 24130/74500	50,50 54/123
F250 (L/D)	97-99	RWD/4WD	N/A	N/A		■	87385	87385	84,84
F250	84-98	4WD	N/A	N/A		■	23100*/77880 24130/74500 87275	23100*/77880 24130/74500	49/125 54/123 83
F250 - 4WD	80-83	4WD	N/A	N/A		■	23100*/77880 24130/74500 87225	23100*/77880 24130/74500	49/125 54/123 83
F250 - 4WD	73-79	4WD	N/A	N/A		■	23000*/4169 Axle Wedges	23000*/4169	49/117
F250 - RWD	89-98	RWD	N/A	N/A		■	23180*/ 77880,87175 24180/ 74400,74500 87275 87280	23180*/ 77880,87175 24180/ 74400,74500	51,51 125,128 54,54 123,123 83 83
F250	87-88	RWD	N/A	N/A		■	23180*/ 77880,87175 24180/ 74400,74500 87225,87280	23180*/ 77880,87175 24180/ 74400,74500	51,51 125,128 54,54 123,123 83

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

FORD - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
F250	82-86	RWD	N/A	N/A		■	87225	N/A	83
F250 (Dana 60)	76-98	4WD	N/A	N/A		■	88940 88950	88940 88950	86,86 86,86
F350 Solid Axle - Coil Spring	05-12	RWD/4WD	N/A	N/A		■	23220* 24220	23220* 24220	51,51 54,54
F350 Twin I-Beam	98-12	RWD	N/A	N/A		■	23180*/ 77880, 87175 24180/ 74400, 74500	23180*/ 77880, 87175 24180/ 74400, 74500	51,51 125, 128 54,54 123, 123
F350 Solid Axle - Leaf Spring	99-04	RWD/4WD	N/A	N/A		■	23130* 24130/ 74500	23130* 24130/ 74500	50,50 54/ 123
F350	84-98	4WD	N/A	N/A		■	23100*/ 77880 24130/ 74500 87275	23100*/ 77880 24130/ 74500	49/ 125 54/ 123 83
F350	80-83	4WD	N/A	N/A		■	23100*/ 77880 24130/ 74500 87225	23100*/ 77880 24130/ 74500	49/ 125 54/ 123 83
F350	89-98	RWD	N/A	N/A		■	23180*/ 77880, 87175 24180/ 74400, 74500 87275 87280	23180*/ 77880, 87175 24180/ 74400, 74500	51,51 125, 128 54,54 123, 123 83 83
F350	87-88	RWD	N/A	N/A		■	23180*/ 77880, 87175 24180/ 74400, 74500 87225 87280	23180*/ 77880, 87175 24180/ 74400, 74500	51,51 125, 128 54,54 123, 123 83 83
F350	82-86	RWD	N/A	N/A		■	87225	N/A	83
F350 (Dana 60)	76-98	4WD	N/A	N/A		■	88940 88950	88940 88950	86,86 86,86
F350 Crew Cab	92-98	4WD	N/A	N/A		■	23130* 24130/ 74500 87275	23130* 24130/ 74500	50,50 54/ 123 83
F350	73-79	4WD	N/A	N/A		■	Axle Wedges	N/A	
F450, F550	05-12	RWD/4WD	N/A	N/A		■	23230* 24230	23230* 24230	51,51 54,54
F450, F550	99-04	RWD/4WD	N/A	N/A		■	23130* 24130/ 74500	23130* 24130/ 74500	50,50 54/ 123
Fairlane	66-70	RWD	N/A	N/A			OEMA	OEMA 83160	79
Fairmont	78-83	RWD	N/A	N/A			N/A	OEMA 81280 82120/ 85130	76 87/ 127
Falcon	66-70	RWD	N/A	N/A			OEMA	OEMA 83160	79
Festiva	88-94	FWD	75200(1) 71100*(1)	75200(1) 71100*(1)	75,75 69,69		N/A	OEMA 81250	76
Fiesta	11-12	FWD	N/A	N/A			N/A	81250	76
Fiesta	78-80	RWD	N/A	N/A			N/A	N/A	
Flex	09-12	FWD/AWD	OEMA	OEMA			N/A	OEMA	
Five Hundred	05-07	FWD/AWD	N/A	OEMA			N/A	OEMA	
Focus	12-12	FWD	67420	N/A	64		N/A	N/A	
Focus	00-11	FWD	81310 67420	OEMA	77 64		81320	81320	77,77

ALIGNMENT FOOTNOTES BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD

(1) = CAUTION: Check for caliper to rotor clearance with disc brakes. Use spacer pak 75970 (pg. 75) as necessary to keep caliper centered on rotor • (2) = All EXCEPT RWD 1500
 (3) = Check Bolt Length BEFORE Cutting Hole • (4) = Shims (pg. 56-57) • (5) = LH Toe Tool for front toe adjustment (pg. 94) • (6) = Bolts, 73415, are necessary for changes greater than 3/4" (pg. 74)
 (7) = Recommended for vehicles lowered more than 1.5" • (8) = Will not work on 1988-89 models with welded-in ball joint • (9) = M3 Only, caster will decrease by 2 degrees
 (10) = Limited camber range of ±1.0° • (11) = Center stock camber and toe adjusters before calculating shim change
 ■ = Thrust Alignment Plate can correct thrust angle and setback (pg. 57)/Check frame angle with Angle Gauge Part No. 64225 (pg. 121)
 N/A = No Available Adjuster • OEMA = Original Equipment Manufacturer Adjustment • (*) = Series P/N, for correct size • SW = Station Wagon • ©2012 Niwot Corp. dba Specialty Products Co.®
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Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

FORD - cont.

Model/Body Style	Year	Drive Type	REAR CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	FRONT CASTER/TOOL	CAMBER/TOOL	Page
Freestar	04-07	FWD	N/A	N/A			OEMA	OEMA/85790 89685	127 86
Freestyle	05-07	FWD/AWD	N/A	OEMA			N/A	OEMA	
Fusion incl. Hybrid	06-12	FWD/AWD	OEMA	OEMA			N/A	67115/40920	61/119
Granada	81-82	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	76 78/127
Granada	75-80	RWD	N/A	N/A			OEMA	OEMA 83160	79
LTD	83-86	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	76 78/127
Maverick	69-77	RWD	N/A	N/A			OEMA	OEMA 83160	79
Mustang	05-12	RWD	N/A	72045 72345	70 74		72350 72355 72040	72350 81260 72040	74,74 74,76 70,70
Mustang Cobra	99-04	RWD	OEMA	OEMA			OEMA/85130 72060	OEMA 81280 72060 82120/85130	127 76 71,71 78/127
Mustang	94-04	RWD	N/A	N/A			72060	OEMA 81280 72060 82120/85130	76 71,71 78/127
Mustang	79-93	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	76 78/127
Mustang	75-78	RWD	N/A	N/A			OEMA	OEMA	
Mustang	67-73	RWD	N/A	N/A			OEMA	OEMA 83160	79
Probe	89-97	FWD	81250	OEMA	76		OEMA	OEMA 81250	76
Ranger	01-11	RWD/4WD	N/A	N/A		■	87500	87500	85,85
Ranger	98-00	RWD/4WD	N/A	N/A		■	87310 87500	87310 87500	83,83 85,85
Ranger	90-97	RWD/4WD	N/A	N/A		■	23180*/ 77880,87175 24180/ 74400,74500 87275 87280 (RWD Only)	23180*/ 77880,87175 24180/ 74400,74500	51,51 125,128 54,54 123, 123 83 83
Ranger	83-89	4WD	N/A	N/A		■	23120*/77880 24120/74500 87275	23120*/77880 24120/74500	50/125 54/123 83
Ranger	83-88	RWD	N/A	N/A		■	87275	23160* 24160/74400	83,50 54/123
Taurus/Taurus X	10-12	FWD/AWD	N/A	OEMA			N/A	OEMA	
Taurus/Taurus X	08-09	FWD/AWD	N/A	OEMA			N/A	OEMA	
Taurus Sedan	96-06	FWD	87330/8370	OEMA/87325 87330/8370	83/117,128 83/117		OEMA/85790	OEMA/85790 89635	127,127 86
Taurus Sedan	86-95	FWD	87330/8370	OEMA/87325 87330/8370	83/117,128 83/117		OEMA/85790	OEMA/85790	127,127
Taurus Wagon	96-05	FWD	87350/85130	OEMA/97650	84/127,129		OEMA/85790	OEMA/85790 89635	127,127 86
Taurus Wagon	86-95	FWD	87350/85130	OEMA	84/127		OEMA/85790	OEMA/85790	127,127
Tempo	86-94	FWD/4WD	81250	OEMA	76		N/A	N/A	
Tempo	84-85	FWD	81250	N/A	76		N/A	N/A	
Thunderbird	02-06	RWD	N/A	OEMA			OEMA	OEMA 87540	85,85
Thunderbird	89-97	RWD	OEMA	OEMA			OEMA	OEMA	
Thunderbird	80-88	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	76 78/127

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

FORD - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Transit Connect	10-12	FWD	N/A	N/A			N/A	N/A	
Torino	66-71	RWD	N/A	N/A			OEMA	OEMA 83160	79
Windstar	94-03	FWD	75400(1)	75400(1)	75,75		OEMA	OEMA/85790 89685	127 86
FREIGHTLINER									
See our Heavy Duty		Section	pages 97-106						
Sprinter Van	01-05	RWD	N/A	N/A			35075, 35076	35075, 35076	56,56
GEO									
Metro/M	89-97	FWD	N/A	OEMA			N/A	81250	76
Prizm/S	89-97	FWD	81250 75800 or 75600(1)	OEMA 75800 or 75600(1)	76 75,75		N/A	OEMA 81260	76
Spectrum/R	89-90	FWD	75200(1) 71100*(1)	75200(1) 71100*(1)	75,75 69,69		N/A	81250	76
Storm	90-93	FWD	81250	OEMA	76		N/A	81250	76
Tracker	89-97	RWD/4WD	N/A	N/A			N/A	81250	76
GMC									
See Chevrolet/GMC		pages	12-16						
HONDA									
Accord	08-12	FWD	67540 67545(10)	OEMA 67540	66 66,66		N/A	67135/40920 67330(7)/40920	61/119 63/119
Accord Crosstour	10-12	FWD	67540 67545(10)	OEMA 67540	66 66,66		N/A	67135/40920 67330(7)/40920	61/119 63/119
Accord	03-07	FWD	67290	OEMA	62		N/A	67135/40920 67330(7)/40920	61/119 63/119
Accord Replace. Ball Joint pg. 60	98-02	FWD	67090	OEMA	60		84690, 84695	67125/40920 67320(7)/40920	80,61/119 63/119
Accord Replace. Ball Joint pg. 60	90-97	FWD	67065 67265(7)	OEMA	59 62		84690, 84695	67145/40920 67340(7)/40920	80,61/119 63/119
Accord	86-89	FWD	67395	OEMA	63		OEMA	N/A	
Accord	80-85	FWD	N/A	OEMA			N/A	N/A	
Civic/Hybrid	06-12	FWD	67470 67465/75980, 72509	OEMA	64 64/125,123		N/A	81260	76
Civic Si	06-12	FWD	67470 67465/75980, 72509	OEMA	64 64/125,123		N/A	81280	76
Civic/Hybrid	03-05	FWD	67230 69300 (Lower Arm)	OEMA	62 68		N/A	81280	76
Civic	01-02	FWD	67230 69300 (Lower Arm)	OEMA	62 68		N/A	81260	76
Civic Replace. Ball Joint pg. 60	96-00	FWD	67030 69100 (Lower Arm)	OEMA 69250 69450	59 68,68 69		62010	62010 67135/40920 67330(7)/40920	57,57 61/119 63/119
Civic Replace. Ball Joint pg. 62	92-95	FWD	67030 69200 (Lower Arm)	OEMA 69250 69450	59 68,68 69			67135/40920 67330(7)/40920	61/119 63/119
Civic Replace. Ball Joint pg. 60	88-91	FWD	67030 69200 (Lower Arm)	OEMA 69250 69460	59 68,68 69		N/A	67125/40920(8) 67320(7)/40920(8)	61/119 63/119
Civic	80-87	FWD	N/A	N/A			N/A	N/A	
Civic SW & 4WD	88-91	FWD/4WD	67030 69200 (Lower Arm)	OEMA	59 68		N/A	67125/40920(8) 67320(7)/40920(8)	61/119 63/119
CR-V	12-12	FWD/AWD	N/A	N/A			N/A	N/A	
CR-V	07-11	FWD/AWD	67580	OEMA	66		N/A	81280	76
CR-V	02-06	FWD/AWD	67430 69400 (Lower Arm)	OEMA	64 68		N/A	81280	76

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 (10) = Limited camber range of $\pm 1.0^\circ$ • (11) = Center stock camber and toe adjusters before calculating shim change

■ = Thrust Alignment Plate can correct thrust angle and setback (pg. 57)/Check frame angle with Angle Gauge Part No. 64225 (pg. 121)

N/A = No Available Adjuster • OEMA = Original Equipment Manufacturer Adjustment • (*) = Series P/N, for correct size • SW = Station Wagon • ©2012 Niwot Corp. dba Specialty Products Co.®

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Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

HONDA - cont.

Model/Body Style	Year	Drive Type	REAR CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	FRONT CASTER/TOOL	CAMBER/TOOL	Page
CR-V <i>Replace. Ball Joint pg. 62</i>	97-01	FWD/AWD	67030	OEMA	59		N/A	67135/40920 67330(7)/40920	61/119 63/119
CRX <i>Replace. Ball Joint pg. 60</i>	88-92	FWD	67030 69200 (Lower Arm)	OEMA 69250 69460	59 68,68 69		N/A	67125/40920(8) 67320(7)/40920(8)	61/119 63/119
CRX	84-86	FWD	N/A	N/A			N/A	N/A	
CR-Z	11-12	FWD	N/A	N/A			N/A	81260	76
Del Sol <i>Replace. Ball Joint pg. 60</i>	95-97	FWD	67030 69200 (Lower Arm)	OEMA 69250 69450	59 68,68 69		N/A	67135/40920 67330(7)/40920	61/119 63/119
Del Sol <i>Replace. Ball Joint pg. 60</i>	92-94	FWD	67030 69200 (Lower Arm)	OEMA 69250 69450	59 68,68 69		N/A	67135/40920 67330(7)/40920	61/119 63/119
Element (Except SC)	03-11	FWD/AWD	67430 69400 (Lower Arm)	OEMA	64 68		N/A	81280	76
Fit	09-12	FWD	N/A	N/A			N/A	81260	76
Fit	06-08	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	81260	76
Insight	10-12	FWD	N/A	N/A			N/A	81260	76
Insight	01-06	FWD	N/A	N/A			N/A	81260	76
Odyssey	05-12	FWD	67590	OEMA	66		N/A	81280	76
Odyssey	99-04	FWD	67290	OEMA	62		N/A	81280	76
Odyssey <i>Replace. Ball Joint pg. 60</i>	95-98	FWD	67155/40920	OEMA	61/119		OEMA 84690, 84695	67145/40920 67340(7)/40920	61/119 80,63/119
PassPort	94-02	FWD/AWD	N/A	N/A			OEMA(4)	OEMA(4)	
Pilot	09-12	FWD/AWD	67570	OEMA	66		N/A	81290	76
Pilot	03-08	FWD/AWD	67290	OEMA	62		N/A	81280	76
Prelude <i>Replace. Ball Joint pg. 62</i>	97-02	FWD	67165/40920 67360(7)/40920	OEMA	61/119 63/119		N/A	67135/40920 67330(7)/40920	61/119 63/119
Prelude SH	97-02	FWD	67165/40920 67360(7)/40920	OEMA	61/119 63/119		N/A	67155/40920 67350(7)/40920	61/119 63/119
Prelude	92-96	FWD	67165/40920 67360(7)/40920	OEMA	61/119 63/119		N/A	67165/40920 67360(7)/40920	61/119 63/119
Prelude	83-91	FWD	N/A	OEMA			OEMA	OEMA	
Prelude	79-82	FWD	N/A	N/A			OEMA	N/A	
Prelude 4WS	92-94	FWD	OEMA	OEMA			OEMA	67165/40920 67360(7)/40920	61/119 63/119
Prelude 4WS	88-91	FWD	OEMA	OEMA			OEMA	OEMA	
Ridgeline	06-12	FWD/AWD	67490	OEMA	65		N/A	81290	76
S2000	00-09	RWD	OEMA	OEMA			OEMA	OEMA	
			67220/40920		61/119			67220/40920	61/119

HUMMER

H1	92-06	4WD	OEMA	OEMA			OEMA	OEMA	
H2	02-09	AWD	N/A	N/A			OEMA 86375, 86325	OEMA 86330/ 72509, 79500 86375, 86325	82,81,82 123,125 82,81
H3, H3T <i>JounceShock System-pg 110</i>	06-10	AWD	N/A	N/A		■	OEMA/45938 86360 86375, 86325	OEMA/45938 86360 86375, 86325	121 82,82 82,81

HYUNDAI

Accent	06-12	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	81250	76
Accent	95-05	FWD	81250	OEMA	76		N/A	81250	76
Azera from 10/31/2006	07-12	FWD	OEMA	OEMA			N/A	67195/40920	61/119
Azera to 10/31/2006	06-06	FWD	OEMA	OEMA			N/A	67190/40920	61/119
Elantra (Built after 7-1-2011)	11-12	FWD	OEMA	OEMA			N/A	81280	76
Elantra (Built before 7-1-2011)	11-12	FWD	OEMA	OEMA			N/A	81260	76
Elantra	07-10	FWD	67410	OEMA 67410/85130	63 63/127		N/A	81260	76
Elantra	97-06	FWD	81250	OEMA	76		N/A	81250	76
Elantra	92-96	FWD	N/A	N/A			N/A	81250	76

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

HYUNDAI - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Entourage	07-09	FWD	N/A	N/A			N/A	81250	76
Equus	11-12	RWD	OEMA	OEMA			N/A	N/A	
Excel	90-94	FWD	N/A	N/A			N/A	81250	76
Excel	86-89	FWD	N/A	N/A			OEMA	81250	76
Genesis	09-12	RWD/AWD	OEMA	OEMA			N/A	N/A	
Genesis Coupe	10-12	RWD	OEMA	OEMA			N/A	81260	76
Pony	83-87	RWD	N/A	N/A			OEMA	N/A	
Sante Fe	01-12	AWD	OEMA	OEMA			N/A	81260	76
Scoupe	91-96	RWD	N/A	N/A			N/A	81250	76
Sonata	11-12	FWD	OEMA	OEMA			N/A	81280	76
(Built after 5-2011)									
Sonata -	11-11	FWD	OEMA	OEMA			N/A	81260	76
(Built before 5-2011)									
Sonata	07-10	FWD	OEMA	OEMA			N/A	67195/40920	61/119
(Built after 9-21-2006)									
Sonata	99-06	FWD	N/A	OEMA			N/A	67190/40920	61/119
(Built before 9-21-2006)									
Sonata	95-98	FWD	N/A	OEMA			N/A	81260	76
Sonata	89-94	FWD	N/A	N/A			N/A	81260	76
Stellar	84-88	FWD	N/A	N/A			OEMA	N/A	
Tiburon	03-09	FWD	81250	OEMA	76		N/A	81260	76
Tiburon	97-02	FWD	81250	OEMA	76		OEMA	81250	76
Tuscon	05-12	FWD/AWD	OEMA	OEMA			N/A	81260	76
Veloster	12-12	FWD	N/A	N/A			N/A	N/A	
Veracruz	07-12	AWD	OEMA	OEMA			N/A	81260	76
XG300-XG350	01-06	FWD	N/A	OEMA			N/A	67190/40920	61/119

INFINITI									
EX35	08-12	FWD/AWD	OEMA	OEMA			72130	72130	72,72
FX35/FX50	09-12	FWD/AWD	OEMA	OEMA			N/A	N/A	
FX35/FX45	03-08	FWD/AWD	OEMA	OEMA			N/A	81260	76
			72265/85130	72265/85130	73/127				
G20	97-02	FWD	N/A	N/A			N/A	N/A	
G20	91-96	FWD	81250	OEMA	76		N/A	N/A	
G25 Sedan	11-12	RWD	OEMA	OEMA			72130	72130	72,72
			72280/85130	72260/85130	73/127				
			72265/85130	72265/85130	73/127				
G35 Coupe	03-07	RWD/AWD	OEMA	OEMA			72125	72125	72,72
w/o rear active steer			72050/85130	72050/85130	70/127				
			72055/85130	72055/85130	71/127				
G35 Coupe	06-07	RWD/AWD	OEMA	OEMA			72125	72125	72,72
w/ rear active steer			72260/85130	72260/85130	73/127				
			72265/85130	72265/85130	73/127				
G35/G35x Sedan	07-08	RWD/AWD	OEMA	OEMA			72130	72130	72,72
incl. active steer			72260/85130	72260/85130	73/127				
			72265/85130	72265/85130	73/127				
G35 Sedan	03-06	RWD/AWD	OEMA	OEMA			72125	72125	72,72
			72050/85130	72050/85130	70/127				
			72055/85130	72055/85130	71/127				
G37 Coupe	08-12	RWD/AWD	OEMA	OEMA			72130	72130	72,72
incl. active steer			72280/85130	72260/85130	73/127				
			72265/85130	72265/85130	73/127				
G37 Convertible	09-12	RWD/AWD	OEMA	OEMA			72130	72130	72,72
G37, G37x Sedan	09-12	RWD/AWD	OEMA	OEMA			72130	72130	72,72
			72280/85130	72260/85130	73/127				
			72265/85130	72265/85130	73/127				

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 (7) = Recommended for vehicles lowered more than 1.5" • (8) = Will not work on 1988-89 models with welded-in ball joint • (9) = M3 Only, caster will decrease by 2 degrees
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■ = Thrust Alignment Plate can correct thrust angle and setback (pg. 57)/Check frame angle with Angle Gauge Part No. 64225 (pg. 121)

N/A = No Available Adjuster • OEMA = Original Equipment Manufacturer Adjustment • (*) = Series P/N, for correct size • SW = Station Wagon • ©2012 Niwot Corp. dba Specialty Products Co.®

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Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

INFINITI - cont.

Model/Body Style	Year	Drive Type	REAR CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	FRONT CASTER/TOOL	CAMBER/TOOL	Page
J30	92-97	RWD	N/A	OEMA			N/A	N/A	
I35	02-05	FWD	N/A	OEMA			N/A	81260	76
I30	00-01	FWD	N/A	OEMA			N/A	81260	76
I30	95-99	FWD	N/A	OEMA			N/A	81260	76
M37/M56	11-12	RWD/AWD	N/A	N/A			N/A	N/A	
M/35M45	06-10	RWD/AWD	OEMA 72280/ 85130 72265/ 85130	OEMA 72280/ 85130 72265/ 85130	73/ 127 73/ 127		72130	72130	72,72
M/35M45	03-05	RWD/AWD	OEMA	OEMA			N/A	N/A	
M30	90-92	RWD	N/A	OEMA			N/A	N/A	
Q45	90-07	RWD	OEMA	OEMA			N/A	N/A	
QX4	97-03	RWD/4WD	N/A	N/A			N/A	81260	76
QX56	05-12	FWD/AWD	N/A	N/A			OEMA 87520	OEMA 87520	85,85

INTERNATIONAL

Pickup	74-75	4WD	N/A	N/A			23000*/ 4169	23000*/ 4169	49/ 117
Scout	61-71	4WD	N/A	N/A			Axle Wedges	N/A	
Scout II	73-80	4WD	N/A	N/A			23000*/ 4169	23000*/ 4169	49/ 117

INTERNATIONAL HARVESTER CORP (IHC)

See our Heavy Duty	Section	pages 97-106							
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ISUZU

Amigo	90-00	RWD/4WD	N/A	N/A			OEMA(4)	OEMA(4)	
Ascender	03-07	AWD	N/A	N/A			N/A	OEMA	
Axiom	02-04	AWD	N/A	N/A			OEMA(4)	OEMA(4)	
i-350/370	06-08	4WD	N/A	N/A			OEMA/ 45938 86360 86375, 86325	OEMA/ 45938 86360 86375, 86325	121 82,82 82,81
i-280/290	06-08	RWD	N/A	N/A			OEMA	OEMA	
I-Mark	85-89	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	76,76 69,69 69,69		N/A	81250	76
Impulse	90-94	FWD/AWD	81250	OEMA	76		N/A	81250	76
Impulse	83-89	RWD	N/A	N/A			OEMA	OEMA	
Oasis	96-99	FWD	67155/ 40920	OEMA	61/ 119		OEMA 84690, 84695	67145/40920 67340(7)/ 40920	61/ 119 63/ 119
Pickup	81-99	RWD/4WD	N/A	N/A			OEMA(4)	OEMA(4)	
Rodeo	91-03	RWD/4WD	N/A	N/A			OEMA(4)	OEMA(4)	
Rodeo Sport	01-03	RWD/4WD	N/A	N/A			OEMA(4)	OEMA(4)	
Stylus	91-94	FWD	81250	OEMA	76		OEMA	81250	76
Trooper	81-02	RWD/4WD	N/A	N/A			OEMA(4)	OEMA(4)	
Vehi'Cross	00-01	4WD	N/A	N/A			OEMA(4)	OEMA(4)	

JAGUAR

S Type	03-08	RWD	N/A	OEMA			OEMA	OEMA	
S Type	00-02	RWD	N/A	OEMA			OEMA 87540	OEMA 87540	85
X-Type	02-11	FWD/AWD	N/A	OEMA			N/A	N/A	
XF	09-12	RWD	N/A	N/A			N/A	N/A	
XK8, XKR	02-12	RWD	N/A	OEMA			N/A	N/A	
XJR, XJB	97-12	RWD	N/A	OEMA			N/A	N/A	

JEEP

CJ	72-86	4WD	N/A	N/A			80199-81099	N/A	75
CJ	45-71	4WD	N/A	N/A			23000/ 4169	23000*/ 4169	49/ 117
Cherokee	84-01	RWD/4WD	N/A	N/A			47240-47242 23510-23540/ 23580, 72509	23510-23540/ 23580, 72509	57,52 52/ 117,123 117,123
Cherokee	74-83	4WD	N/A	N/A			23000*/ 4169	23000*/ 4169	49/ 117
Comanche	84-96	RWD/4WD	N/A	N/A			47240-47242 23510-23540/ 23580, 72509	23510-23540/ 23580, 72509	57,52 52/ 117,123 117,123
Commander	06-10	RWD/4WD	N/A	N/A			OEMA	OEMA 23410/ 72509	52/ 123

Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

JEEP - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Compass	07-11	FWD/AWD	67450 67451,72059	OEMA	64 112,123		N/A	81260	76
Grand Cherokee	11-12	RWD/AWD	N/A	OEMA			OEMA	OEMA	
Grand Cherokee	05-10	RWD/4WD	N/A	N/A			OEMA	OEMA 23410/72509	52/123
Grand Cherokee	93-04	RWD/4WD	N/A	N/A		■	47240-47242 23510-23540/ 23580, 72509	23510-23540/ 23580, 72509	57,52 52/117,123 117,123
Grand Wagoneer	93-04	RWD/4WD	N/A	N/A		■	47240-47242 23510-23540/ 23580, 72509	23510-23540/ 23580, 72509	57,52 52/117,123 117,123
Jeepster, Commando	62-73	4WD	N/A	N/A		■	23000*/4169	23000*/4169	49/117
Liberty	02-12	FWD/AWD	N/A	N/A		■	OEMA	OEMA	
Patriot	07-11	FWD/AWD	67450 67451,72059	OEMA	64 112,123		N/A	81260	76
Pickup, J10/J20	74-84	4WD	N/A	N/A		■	23000*/4169	23000*/4169	49/117
Scrambler	82-86	4WD	N/A	N/A		■	23000*/4169	23000*/4169	49/117
Wagoneer (dwnsz)	84-96	RWD/4WD	N/A	N/A		■	47240-47242 23510-23540/ 23580, 72509	23510-23540/ 23580, 7250	57,52 52/117,123 117,123
Wagoneer (Grand)	84-91	4WD	N/A	N/A		■	23000*/4169	23000*/4169	49/117
Wagoneer	74-82	4WD	N/A	N/A		■	23000*/4169	23000*/4169	49/117
Wrangler (JK)	07-12	RWD/4WD	N/A	N/A			23510-23540/ 23580, 72509	23510-23540/ 23580, 72509	52,52 117,123
			82390 - Pinion Angle		78		82390		78
Wrangler (TJ)	97-06	4WD	N/A	N/A		■	23510-23540/ 23580, 72509	23510-23540/ 23580, 72509	52,52 117,123
			82370 - Pinion Angle		78		82380		78
Wrangler (YJ)	87-95	4WD	N/A	N/A		■	23510-23540/ 23580, 72509 Axle Wedges	23510 23540/ 23580, 72509	52,52 117,123
KENWORTH									
See our Heavy Duty	Section	pages 97-106							
KIA									
Amanti	07-11	FWD	OEMA	OEMA			N/A	67195/40920	61/119
Amanti	04-06	FWD	N/A	OEMA			N/A	67190/40920	61/119
Borrego	09-12	FWD/AWD	OEMA	OEMA			OEMA	OEMA	
Cadenza	10-12	FWD	N/A	OEMA			N/A	N/A	
Forte	10-12	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	81260	76
Optima (Built after 7-1-2011)	12-12	FWD	OEMA	OEMA			N/A	81280	76
Optima (Built before 7-1-2011)	11-12	FWD	OEMA	OEMA			N/A	81260	76
Optima	07-10	FWD	67410	OEMA 67410/85130	63 63/127		N/A	81260	76
Optima	01-06	FWD	N/A	OEMA			N/A	67190/40920	61/119
Rio/Rio Cinco	12-12	FWD	N/A	N/A			N/A	N/A	
Rio/Rio Cinco	01-11	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	81250	76
Rondo	07-10	FWD	67410	OEMA 67410/85130	63 63/127		N/A	81260	76
Sedona	12-12	FWD	N/A	OEMA			N/A	81250	76
Sedona	06-11	FWD	N/A	OEMA			N/A	81260	76
Sedona	02-05	FWD	N/A	N/A			N/A	81260	76
Sephia	94-02	FWD	81250	OEMA	76		N/A	OEMA 81250	76
Sorento	11-12	FWD/AWD	OEMA	OEMA			N/A	81260	76

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

KIA - cont.

Model/Body Style	Year	Drive Type	REAR CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	FRONT CASTER/TOOL	CAMBER/TOOL	Page
Sorento	03-10	FWD/AWD	N/A	N/A			OEMA	OEMA	
Soul	10-12	FWD	N/A	N/A			N/A	81260	76
Spectra	05-09	FWD	N/A	OEMA			N/A	81260	76
Spectra	01-04	FWD	81250	OEMA	76		N/A	81250	76
Sportage	11-11	FWD/AWD	N/A	OEMA			N/A	81260	76
Sportage	05-12	FWD/AWD	81260	OEMA	76		N/A	81260	76
Sportage	95-03	FWD/AWD	N/A	N/A			OEMA	OEMA	

LANDROVER

Discovery	99-04	4WD	N/A	N/A		■	N/A	N/A	
Freelander	02-06	4WD	81260	OEMA	76		N/A	81260	76
LR2	05-12	4WD	N/A	OEMA			N/A	N/A	
LR3	05-09	4WD	N/A	OEMA			OEMA	OEMA	
LR4	10-12	4WD	N/A	OEMA			OEMA	OEMA	
Range Rover	03-12	4WD	N/A	OEMA			N/A	81280	76
Range Rover	95-02	4WD	N/A	N/A			N/A	N/A	

LEXUS

CT	11-11	FWD	N/A	OEMA			N/A	81290	76
ES	92-12	FWD	81270	OEMA	76		N/A	81290 82120/ 85130	76 78/ 127
ES	90-91	FWD	81270	OEMA	76		85690, 85695	81290 82120/ 85130	80,76 78/ 127
GS	06-12	RWD/AWD	N/A	OEMA			N/A	OEMA	
GS	98-05	RWD	OEMA 67510/ 85130	OEMA	65/ 127		72270	OEMA 72270	73 73
GS	93-97	RWD	OEMA	OEMA			72270	OEMA 72270	73 73
GX	10-12	AWD	N/A	N/A			OEMA 25480, 25440	OEMA 25480, 23440	55,55
GX	03-09	AWD	N/A	N/A			OEMA 25480, 25435	OEMA 25480, 23435	55,55
HS-Hybrid	10-11	FWD	OEMA	OEMA			N/A	81290	76
IS (Incl. 'F')	06-12	RWD/AWD	84110	OEMA	79		N/A	67530/ 40920	65/ 119
IS	01-05	RWD	OEMA 67515/ 85130	OEMA	65/ 127		N/A	OEMA 67525/ 40920	65/ 119
LS	90-09	RWD/AWD	N/A	OEMA			OEMA	OEMA	
LX	08-12	AWD	N/A	N/A			OEMA	OEMA	
LX-470	98-07	AWD	N/A	N/A			OEMA	OEMA	
LX-450	96-97	AWD	N/A	N/A			N/A	N/A	
RX	10-12	FWD/AWD	N/A	OEMA			N/A	81290	76
RX	99-09	FWD/AWD	81270	OEMA	76		N/A	81290 82120/ 85130	76 78/ 127
SC	02-10	RWD	OEMA 67510/ 85130	OEMA	65/ 127		72270	OEMA 72270	73 73
SC	92-01	RWD	OEMA	OEMA			OEMA	OEMA	

LINCOLN

Aviator	03-05	RWD/4WD	86180	OEMA	81		86140	86140	80,80
Blackwood/ EXT	02-03	RWD/4WD	N/A	N/A		■	OEMA 87385	OEMA 87385	84,84
Continental	95-02	FWD	OEMA	OEMA			OEMA	OEMA/ 85790	127
Continental	88-94	FWD	N/A	OEMA			OEMA	OEMA/ 85790	127
Continental	82-87	RWD	N/A	N/A			N/A	OEMA 81280 82120/ 85130	76 78/ 127
LS	00-06	RWD	N/A	OEMA			OEMA 87545	OEMA 87545	85,85
MKS	09-12	FWD/AWD	OEMA	OEMA			N/A	OEMA	
MKT	10-12	FWD/AWD	OEMA	OEMA			N/A	OEMA	
Mark LT	06-09	RWD/4WD	N/A	N/A			OEMA 86250	OEMA 86250	81,81
Mark VII	84-92	RWD	N/A	N/A			N/A	OEMA 81280 82120/ 85130	76 78/ 127
Mark VIII	93-98	RWD	OEMA	OEMA			OEMA	OEMA	

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

LINCOLN - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
MKX	07-12	FWD/AWD	OEMA	OEMA			N/A	81280	76
MKZ	07-12	FWD/AWD	OEMA	OEMA			N/A	67115/40920	61/119
Navigator	07-12	RWD/4WD	OEMA	OEMA			OEMA	OEMA	
							86250	86250	81,81
Navigator	03-06	RWD/4WD	86680	OEMA	83		86640	86640	82,82
Navigator	98-02	RWD/4WD	N/A	N/A			87385	87385	84,84
Town Car	03-11	RWD	N/A	N/A			OEMA	OEMA	
								87365/85130, 02099	84/127,135
Town Car	91-02	RWD	N/A	N/A			OEMA	OEMA/88325	128
Town Car	80-90	RWD	N/A	N/A			OEMA	OEMA	
Zephyr	06-06	FWD/AWD	OEMA	OEMA			N/A	67115/40920	61/119
MAZDA									
323	90-94	FWD/AWD	81250	OEMA 67070	76		N/A	OEMA 81250	76
323	86-89	FWD/AWD	81250	OEMA	76		N/A	OEMA 81250	76
626	83-02	FWD	81250	OEMA	76		OEMA	OEMA 81250	76
626	79-82	RWD	N/A	N/A			N/A	N/A	
929	92-95	RWD	OEMA	OEMA			N/A	OEMA	
929	88-91	RWD	N/A	OEMA			OEMA	OEMA 81250	76
B-Series Pickup	98-12	RWD/4WD	N/A	N/A		■	87310 87500	87310 87500	83,83 85,85
B-Series Pickup	94-97	RWD/4WD	N/A	N/A		■	23180*/ 77880, 87175 24180/ 74400, 74500 87275	23180*/ 77880, 87175 24180/ 74400, 74500	51,51 125,128 54,54 123,123 83
CX-7	07-12	FWD/AWD	N/A	OEMA			OEMA	OEMA 81260	76
CX-9	07-12	FWD/AWD	OEMA	OEMA			N/A	81260	76
GLC	82-85	FWD	81250	OEMA	76		N/A	OEMA 81250	76
GLC	77-83	RWD	N/A	N/A			N/A	N/A	
Mazda2	11-12	FWD	N/A	N/A			N/A	81250	76
Mazda3/MazdaSpeed3	04-12	FWD	67420	OEMA	64		N/A	N/A	
Mazda5	06-12	FWD	67420	OEMA	64		N/A	N/A	
Mazda6	09-12	FWD/AWD	N/A	OEMA			N/A	N/A	
Mazda6/MazdaSpeed6	03-08	FWD/AWD	OEMA	OEMA			N/A	67115/40920	61/119
Miata MX-5	90-12	RWD	OEMA	OEMA			OEMA	OEMA	
Millenia	95-02	FWD	OEMA	OEMA			N/A	OEMA	
MPV	89-07	FWD/AWD	N/A	N/A			OEMA	OEMA 81250	76
MX-3	92-95	FWD	81250	OEMA	76		N/A	OEMA 81250	76
MX-6	88-97	FWD	81250	OEMA	76		OEMA	OEMA 81250	76
Navajo	91-94	RWD/4WD	N/A	N/A			23180*/ 77880, 87175 24180/ 74400, 74500 87275	23180*/ 77880, 87175 24180/ 74400, 74500	51,51 125,128 54,54 123,123 83
Pickup	86-93	RWD/4WD	N/A	N/A		■	OEMA(4)	OEMA(4)	
Protégé/ Protégé 5	95-04	FWD/AWD	81250	OEMA 67070	76 59		OEMA	OEMA 81250	76

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

MAZDA - cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Protégé/ Protégé 5	90-94	FWD/AWD	81250	OEMA	76		OEMA	OEMA 81250	76
RX7	93-96	RWD	OEMA	OEMA			OEMA	OEMA	
RX7	86-92	RWD	N/A	OEMA			OEMA	OEMA 81250	76
RX7	80-85	RWD	N/A	N/A			OEMA	OEMA	
RX8	04-12	RWD	OEMA	OEMA			OEMA	OEMA	
Tribute	09-12	FWD/AWD	67285	OEMA	62		OEMA	OEMA 81250	76
Tribute	01-08	FWD/AWD	67285 67280	OEMA	62		OEMA	OEMA 81250	76

MERCEDES-BENZ

For All Mercedes' Toe Adjustment - check out our Wheel Spreader Tool - #99918 (pg 130) - This tool takes the 'play' out of the front wheels during alignment. Recommended by Mercedes when aligning all of their vehicles.

C-Class W204	10-12	RWD/AWD	N/A	N/A			N/A	N/A	
C-Class W204	08-11	RWD/AWD	N/A	OEMA			N/A	81260	76
C-Class W203	01-07	RWD/AWD	28840/75990,72509	OEMA	56/125,123		N/A	81260	76
C-Class W202	94-00	RWD/AWD	28840/75990,72509	OEMA	56/125,123		OEMA	OEMA	
C-Class W201	82-93	RWD/AWD	N/A	OEMA			OEMA	OEMA	
CL-Class C214	00-12	RWD	N/A	OEMA			OEMA	OEMA	
CLK-Class W209	10-12	RWD	OEMA	OEMA			OEMA	OEMA	
CLK-Class incl. Cabrio w/o Black Series	94-09	RWD	28840/75990,72509	OEMA	56/125,123		OEMA	OEMA	
CLS-Class W219	06-12	RWD	N/A	OEMA			OEMA	OEMA	
E-Class W212	10-12	RWD/AWD	N/A	N/A			N/A	N/A	
E-Class W211	03-09	RWD/AWD	N/A	N/A			N/A	N/A	
E-Class W210	96-02	RWD/AWD	28840/75990,72509	OEMA	56/125,123		OEMA	OEMA	
E-Class W124	86-95	RWD/AWD	28840/75990,72509	OEMA	56/125,123		OEMA	OEMA	
G-Class W461	02-12	AWD	N/A	OEMA			OEMA	OEMA	
GL-Class X164	06-12	AWD	N/A	N/A			N/A	N/A	
M-Class W164	98-11	AWD	N/A	N/A			N/A	N/A	
M-Class	12-12	AWD	N/A	N/A			N/A	N/A	
R-Class W251	06-12	RWD/AWD	OEMA	OEMA			N/A	OEMA	
S-Class W221	99-12	RWD	N/A	OEMA			N/A	N/A	
SL-Class R230	03-12	RWD	N/A	OEMA			OEMA	OEMA	
SL-Class	99-02	RWD	28840/75990,72509	OEMA	56/125,123		OEMA	OEMA	
SL-Class	89-98	RWD	N/A	OEMA			OEMA	OEMA	
SLK R171	06-12	RWD	28840/75990,72509	OEMA	56/125,123		OEMA	OEMA	
SLK	98-05	RWD	28840/75990,72509	OEMA	56/125,123		OEMA	OEMA	
Sprinter (Canada)	95-05	RWD	N/A	N/A			35075, 35076	35075, 35076	56,56

MERCURY

Capri	91-94	RWD	81250	OEMA	76		OEMA	OEMA 81250	76
Capri	79-86	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	76 78/127
Comet	69-77	RWD	N/A	N/A			OEMA	OEMA 83160	79
Cougar	99-02	FWD	N/A	OEMA			89675	89675	86,86
Cougar	89-97	RWD	OEMA	OEMA			OEMA	OEMA	
Cougar	80-88	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	76 78/127
Cougar	67-79	RWD	N/A	N/A			OEMA	OEMA 83160	79
Grand Marquis & SW	03-11	RWD	N/A	N/A			OEMA	OEMA 87365/85130, 02099	84/127,135
Grand Marquis & SW	91-02	RWD	N/A	N/A			OEMA	OEMA/88325	
Grand Marquis & SW	83-90	RWD	N/A	N/A			OEMA	OEMA	
LN-7	82-85	FWD	81250	OEMA	76		N/A	N/A	
Lynx	86-87	FWD	81250	OEMA	76		N/A	N/A	
Lynx	81-85	FWD	81250	OEMA	76		N/A	N/A	

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

MERCURY - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Marauder	03-04	RWD	N/A	N/A			OEMA	OEMA 87365/ 85130, 02099	84/ 127,135
Mariner	09-11	FWD/AWD	67285	OEMA	62		OEMA	OEMA 81250	76
Mariner	05-08	FWD/AWD	67285 67280	OEMA	62		OEMA	OEMA 81250	76
Marquis	83-86	RWD	N/A	N/A			N/A	OEMA 81280 82120/ 85130	76 78/ 127
Milan	06-11	FWD/AWD	OEMA	OEMA			N/A	67115/ 40920	61/ 119
Monarch	75-80	RWD	N/A	N/A			OEMA	OEMA 83160	79
Montego	05-07	FWD/AWD	N/A	OEMA			N/A	OEMA	
Montego	66-71	RWD	N/A	N/A			OEMA	OEMA 83160	79
Monterey	04-07	FWD	N/A	N/A			OEMA	OEMA/ 85790 89685	127 86
Mountaineer	06-10	RWD/4WD	OEMA	OEMA			OEMA	OEMA	
Mountaineer	02-05	RWD/4WD	86180	OEMA	81		86140	86140	80,80
Mountaineer	96-01	RWD/4WD	N/A	N/A			87310 87500	87310 87500	83,83 85,85
Mystique	95-00	FWD	N/A	OEMA			89675	89675	86,86
Sable	08-09	FWD/AWD	N/A	OEMA			N/A	OEMA	
Sable Sedan	96-06	FWD	87330/ 8370	OEMA/ 87325 87330/ 8370	83/ 117,128 83/ 117		OEMA/ 85790	OEMA/ 85790 89635	127 86
Sable Sedan	86-95	FWD	87330/ 8370	OEMA/ 87325 87330/ 8370	83/ 117,128 83/ 117		OEMA/ 85790	OEMA/ 85790	127
Sable Wagon	96-05	FWD	87350/ 85130	OEMA/ 97650	84/ 127,129		OEMA/ 85790	OEMA/ 85790 89635	127 86
Sable Wagon	86-95	FWD	87350/ 85130	OEMA	84/ 127		OEMA/ 85790	OEMA/ 85790	127
Topaz	86-94	FWD/AWD	81250	OEMA/ 87325	76/ 128		N/A	N/A	
Topaz	84-85	FWD/AWD	81250	N/A	76		N/A	N/A	
Tracer	97-99	FWD	81250	N/A	76		N/A	OEMA 81250	76
Tracer	95-96	FWD	81250	OEMA	76		OEMA	OEMA 81250	76
Tracer	91-94	FWD	81250	OEMA 67070	76 59		OEMA	OEMA 81250	76
Tracer	87-90	FWD	81250	OEMA	76		N/A	OEMA 81250	76
Villager	93-02	FWD	75400(1)	75400(1)	75,75		N/A	81250	76
Zephyr	78-83	RWD	N/A	N/A			N/A	OEMA 81280 82120/ 85130	76 78/ 127
MINI									
Cooper/Cooper S/ Conv./Clubman	07-12	FWD	67610	N/A	67		67630	67630	67,67
Cooper/Cooper S/Conv.	03-06	FWD	67610	N/A	67		67620	67620	67,67

ALIGNMENT FOOTNOTES BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD

(1) = CAUTION: Check for caliper to rotor clearance with disc brakes. Use spacer pak 75970 (pg. 75) as necessary to keep caliper centered on rotor • (2) = All EXCEPT RWD 1500
 (3) = Check Bolt Length BEFORE Cutting Hole • (4) = Shims (pg. 56-57) • (5) = LH Toe Tool for front toe adjustment (pg. 94) • (6) = Bolts, 73415, are necessary for changes greater than 3/4" (pg. 74)
 (7) = Recommended for vehicles lowered more than 1.5" • (8) = Will not work on 1988-89 models with welded-in ball joint • (9) = M3 Only, caster will decrease by 2 degrees
 (10) = Limited camber range of $\pm 1.0^\circ$ • (11) = Center stock camber and toe adjusters before calculating shim change
 ■ = Thrust Alignment Plate can correct thrust angle and setback (pg. 57)/Check frame angle with Angle Gauge Part No. 64225 (pg. 121)
 N/A = No Available Adjuster • OEMA = Original Equipment Manufacturer Adjustment • (*) = Series P/N, for correct size • SW = Station Wagon • ©2012 Niwot Corp. dba Specialty Products Co.®
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Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

MITSUBISHI			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
3000 GT	91-99	FWD/AWD	OEMA	OEMA			N/A	OEMA 81250	76
Diamante	97-04	FWD	73600 73620(7) 73400+73415(6)	OEMA	74 74 74,74		N/A	81250	76
Diamante	92-96	FWD/AWD	OEMA	OEMA			N/A	81250	76
Eclipse	06-12	FWD	OEMA	OEMA			N/A	81280	76
Eclipse	00-05	FWD	73600 73620(7) 73400+73415(6)	OEMA	74 74 74,74		N/A	81280 82120/85130	76 78/127
Eclipse	95-99	FWD/AWD	73600 73620(7) 73400+73415(6)	OEMA	74 74 74,74		N/A	67170/40920 67370(7)/40920	61/119 63/119
Eclipse	90-94	FWD	N/A	N/A			N/A	81250	76
Eclipse	90-94	AWD	OEMA	OEMA			N/A	81250	76
Endeavor	04-11	FWD/AWD	OEMA	OEMA			N/A	81280	76
Expo	92-96	FWD/AWD	N/A	OEMA			N/A	81250	76
Galant	04-12	FWD	OEMA	OEMA			N/A	81280	76
Galant	99-03	FWD/AWD	73600 73620(7) 73400+73415(6)	OEMA	74 74 74,74		N/A	81280 82120/85130	76 78/127
Galant	94-98	FWD/AWD	73600 73620(7) 73400+73415(6)	OEMA	74 74 74,74		N/A	67170/40920 67370(7)/40920	61/119 63/119
Galant	85-93	FWD	N/A	N/A			N/A	81250	76
i MiEV	12-12	FWD	N/A	N/A			N/A	N/A	
Lancer - FWD	08-12	FWD	N/A	OEMA			N/A	81260	76
Lancer - AWD	09-12	AWD	67450/67451,72509	OEMA	64/122,123		N/A	81260	76
Lancer Evolution	08-12	AWD	OEMA	OEMA			N/A	81260	76
Lancer/EVO/Sportback	02-06	AWD	OEMA	OEMA			N/A	81260	76
Mirage/Coupe	94-03	FWD	OEMA	OEMA			N/A	81250	76
Mirage	85-93	FWD/AWD	N/A	N/A			N/A	81250	76
Montero	01-07	FWD/AWD	OEMA	OEMA			OEMA(4)	OEMA(4)	
Montero Sport	01-04	RWD/4WD	N/A	N/A			OEMA	OEMA	
Outlander	03-11	FWD/AWD	N/A	OEMA			N/A	81260	76
Outlander Sport	11-12	FWD/AWD	N/A	OEMA			N/A	81260	76
Pickup	86-98	RWD/FWD	N/A	N/A			OEMA(4)	OEMA(4)	
Precis	87-94	FWD	N/A	N/A			OEMA	81250	76
Raider	06-09	RWD/4WD	N/A	N/A		■	OEMA/8286	OEMA/8286	117
Starion	83-89	RWD	N/A	OEMA			OEMA	N/A	
Tredia	83-88	FWD/AWD	N/A	N/A			OEMA	81250	76
Van	86-91	FWD	N/A	N/A			N/A	OEMA	
NAVISTAR									
	See our Heavy Duty	Section	pages 97-106						
NISSAN									
200 SX (B14)	94-98	FWD	N/A	N/A			N/A	81250	76
200 SX (S12)	84-88	RWD	N/A	OEMA			N/A	83115/73010(3)	79/123
200 SX (S110)	80-83	RWD	N/A	N/A			N/A	N/A	
240 SX (S14)	95-98	RWD	OEMA 67775, 67776	OEMA 67740	68,68,68		67720	OEMA 81250	68 76
240 SX (S13)	89-94	RWD	OEMA 67765	OEMA 67740	68,68		67720	OEMA 81250	68 76
240 Z	71-73	RWD	N/A	N/A			N/A	83115/73010(3)	79/123
260 Z	74-74	RWD	N/A	N/A			N/A	83115/73010(3)	79/123
280 Z	75-78	RWD	N/A	N/A			N/A	83115/73010(3)	79/123
280 ZX	79-83	RWD	N/A	N/A			N/A	83115/73010(3)	79/123
300 ZX	90-96	RWD	OEMA 67765	OEMA 67765	68,68		N/A	83115/73010(3)	79/123
300 ZX	84-89	RWD	N/A	OEMA			N/A	83115/73010(3)	79/123
350Z	03-08	RWD	OEMA 72050/85130 72055/85130	OEMA 72050/85130 72055/85130	70/127 71/127		72125	72125	72,72

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

NISSAN - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
370Z	09-12	RWD	OEMA 72050/85130 72055/85130	OEMA 72050/85130 72055/85130	70/127 71/127		72130	72130	72,82
810	77-83	RWD	N/A	N/A			N/A	83115/73010(3)	79/123
Altima	07-12	FWD	OEMA	OEMA			N/A	81260	76
Altima	07-12	FWD	72055/85130	72055/85130	71/127				
Altima	02-06	FWD	OEMA 72050/85130 72055/85130	OEMA 72050/85130 72055/85130	70/127 71/127		N/A	81260	76
Altima	93-01	FWD	81250	OEMA	76		N/A	81250	76
Armada	04-12	RWD/4WD	OEMA	OEMA			87520	87520	85,85
Axxess	90-92	FWD/AWD	N/A	OEMA			N/A	81250	76
B-110	71-73	RWD	N/A	N/A			N/A	N/A	
B-210	74-82	RWD	N/A	N/A			N/A	N/A	
B-310	78-82	RWD	N/A	N/A			N/A	N/A	
B-510	78-81	RWD	N/A	N/A			N/A	N/A	
Cube	10-12	FWD	75800(1)+73415 75600(1)+73415	75800(1)+73415 75600(1)+73415	75,74 75,74		N/A	81260	76
Frontier JounceShock System-pg 110	05-12	RWD/4WD	N/A	N/A		■	87520 25540	87520 25540	85,85 55,55
Frontier	98-04	RWD/4WD	N/A	N/A		■	OEMA	OEMA	
GT-R	09-12	AWD	OEMA	OEMA			N/A	N/A	
Juke	11-12	FWD/AWD	N/A	N/A			N/A	81260	76
Leaf	11-12	FWD	71020*	71020*	69,69		N/A	81260	76
Maxima	09-12	FWD	OEMA	OEMA			N/A	81260	76
Maxima	04-08	FWD	OEMA 72050/85130 72055/85130	OEMA 72050/85130 72055/85130	70/127 71/127		N/A	81260	76
Maxima	95-03	FWD	N/A	N/A			N/A	81260	76
Maxima	85-94	FWD	67010	OEMA	58		N/A	81250	76
Maxima	82-84	RWD	N/A	N/A			N/A	83115/73010(3)	79/123
Murano	03-12	FWD/AWD	OEMA	OEMA			N/A	81260	76
NX	91-94	FWD	81250	OEMA	76		N/A	81250	76
Pathfinder JounceShock System-pg 110	05-12	RWD/4WD	OEMA	OEMA			87520 25540	87520 25540	85,85 55,55
Pathfinder	96-04	RWD/4WD	N/A	N/A			N/A	81260	76
Pathfinder	87-95	RWD/4WD	N/A	N/A			35080*	35080*	56,56
Pickup	86-97	RWD/4WD	N/A	N/A		■	35080*	35080*	56,56
Pulsar	87-90	FWD	81250	OEMA	76		N/A	OEMA 81250	76
Pulsar	83-86	FWD	N/A	N/A			N/A	81250	76
Quest	04-12	FWD	OEMA	OEMA			N/A	81260	76
Quest	93-02	FWD	75400(1)	75400(1)	75,75		N/A	81250	76
Rogue	08-12	FWD/AWD	N/A	OEMA			N/A	81260	76
Sentra	07-12	FWD	71730*	71720*	70,70		N/A	81260	76
Sentra	95-06	FWD	N/A	N/A			N/A	81250	76
Sentra	87-94	FWD	81250	OEMA	76		N/A	OEMA 81250	76
Sentra	83-86	FWD	N/A	N/A			N/A	81250	76
Sentra Wagon	87-90	4WD	81250	OEMA	76		N/A	OEMA 81250	76
Stanza	87-92	FWD	67010	OEMA	58		N/A	81250	76
Stanza	82-86	FWD	N/A	OEMA			N/A	81250	76
Stanza Wagon	85-88	FWD	N/A	N/A			N/A	81250	76
Stanza Wagon	85-88	4WD	81260	OEMA	76		N/A	81250	76
Titan	04-12	RWD/4WD	N/A	N/A		■	87520	87520	85,85

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Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

NISSAN - cont.

Model/Body Style	Year	Drive Type	REAR CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	FRONT CASTER/TOOL	CAMBER/TOOL	Page
Versa	12-12	FWD	75200	75200	75,75		N/A	81250	76
Versa	07-11	FWD	75800+73415(1) 75600+73415(1)	75800+73415(1) 75600+73415(1)	75,74 75,74		N/A	81260	76
Xterra JounceShock System-pg 110	05-12	RWD/4WD	N/A	N/A		■	87520 25540	87520 25540	85,85 55,55
Xterra	00-04	RWD/4WD	N/A	N/A			OEMA	OEMA	

OLDSMOBILE

442 - 'A' Body Pro Springs - see pg. 90	64-72	RWD	N/A	N/A			OEMA(4) 94324, 94325 94320(7) 94344 (Lower)	OEMA(4) 94324, 94325 94320(7)	88,88 88,88 89
88	86-99	FWD	81280 82120/85130	OEMA	76 78/127		OEMA/85130	81280 82120/85130	127,76 78/127
88	80-96	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
88 'B' Body Pro Springs - see pg. 90	78-82	RWD	N/A	N/A			OEMA(4) 94378 (Lower)	OEMA(4)	91
88 'B' Body Pro Springs - see pg. 90	71-77	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
98	85-99	FWD	81280 82120/85130	OEMA	76 78/127		OEMA	81280 82120/85130	76 78/127
98	80-96	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
Achieva	96-98	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81260	76
Achieva	92-95	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81280 82120/85130	76 78/127
Alero	99-04	FWD	81250	OEMA	76		N/A	81260	76
Aurora	95-03	FWD	75800 or 75600(1)	OEMA 75800 or 75600(1)	75 75		OEMA/85130	81280 82120/85130	127/76 78/127
Bravada	02-04	FWD/AWD	N/A	N/A			N/A	OEMA/83795	126
Bravada	95-01	FWD/AWD	N/A	N/A			OEMA(4)	OEMA(4)	
Calais	85-91	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75 69		N/A	81280 82120/85130	76 78/127
Ciera	82-96	FWD	75800 or 75600(1)	75800 or 75600(1)	75		N/A	82110/85130	78/127
Custom Cruiser	80-96	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
Custom Cruiser	82-96	FWD	75800 or 75600(1)	75800 or 75600(1)	75		N/A	82110/85130	78/127
Cutlass	97-99	FWD	81250	OEMA			N/A	81260	76
Cutlass	82-96	FWD	75800 or 75600(1)	75800 or 75600(1)	75		N/A	82110/85130	78/127
Cutlass & Cutlass Supreme	88-97	FWD	81280 82120/85130	OEMA/83850	76/126 78/127		N/A	N/A	
Cutlass & Cutlass Supreme - 'G' Body Pro Springs - see pg. 90	78-88	RWD	N/A	N/A			OEMA(4) 94330, 94331 94332(7) 95336 (Lower)	OEMA(4) 94330, 94331 94332(7)	88,88 88,88 91
Cutlass & Cutlass Supreme - 'A' Body Pro Springs - see pg. 90	73-77	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Cutlass & Cutlass Supreme - 'A' Body Pro Springs - see pg. 90	64-72	RWD	N/A	N/A			OEMA(4) 94324, 94325 94320(7) 94344 (Lower)	OEMA(4) 94324, 94325 94320(7)	88,88 88,88 89
Firenza	82-89	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81280 82120/85130	76 78/127
Intrigue	97-02	FWD	81260	OEMA/83850	76/126		N/A	81260	76
LSS	96-99	FWD	81280 82120/85130	OEMA	76 78/127		OEMA	81280 82120/85130	76 78/127
Omega	80-85	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	82110/85130	78/127
Omega - 'X' BODY Pro Springs - see pg. 90	75-79	RWD	N/A	N/A		■	OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91

Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

OLDSMOBILE - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Regency	97-99	FWD	81280 82120/85130	OEMA	76 78/127		OEMA	81280 82120/85130	76 78/127
Silhouette	02-03	AWD	OEMA	OEMA			N/A	81260	76
Silhouette	97-04	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	81260	76
Silhouette	90-96	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	82110/85130	78/127
Toronado	86-92	FWD	75800 or 75600(1)	OEMA/83775 75800 or 75600(1)	75/126 75		OEMA	OEMA 81280 82120/85130	76 78/127
Toronado	78-85	FWD	75800 or 75600(1)	OEMA/83775 75800 or 75600(1)	75/126 75		OEMA	OEMA	
Trofeo	88-92	FWD	75800 or 75600(1)	OEMA 75800 or 75600(1)	75 75		OEMA	81280 82120/85130	76 78/127
PETERBILT									
See our Heavy Duty	Section	pages 97-106							
PLYMOUTH									
All Passenger Car Models	60-73	RWD	N/A	N/A			OEMA 83160	OEMA 83160	79,79
All Passenger B & E Bodies	62-64	RWD	N/A	N/A			94450, 94451	94450, 94451	91,91
Acclaim	89-94	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Barracuda	70-74	RWD	N/A	N/A			OEMA 94450, 94451	OEMA 94450, 94451	91,91
Belvedere	65-70	RWD	N/A	N/A			OEMA 94450, 94451	OEMA 94450, 94451	91,91
Breeze	96-00	FWD	OEMA	OEMA			N/A	67180/40920	61/119
Caravelle	84-88	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Colt Vista	85-96	4WD	N/A	OEMA			OEMA	81250	76
Colt Vista	92-94	FWD	N/A	OEMA			N/A	81250	76
Colt Vista	84-91	FWD	N/A	N/A			N/A	81250	76
Conquest	88-89	RWD	N/A	N/A			N/A	N/A	
Grand Fury	65-89	RWD	N/A	N/A			OEMA	OEMA	
GTX	67-71	RWD	N/A	N/A			OEMA 94450, 94451	OEMA 94450, 94451	91,91
Horizon	78-90	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Laser	92-94	AWD	OEMA	OEMA			N/A	81250	76
Laser	89-94	FWD	N/A	N/A			N/A	81250	76
Neon, Neon R/T	94-01	FWD	81250 67210	OEMA 67210	76 61,61		N/A	81260	76
Prowler	97-01	RWD	N/A	N/A			OEMA	OEMA	
Road Runner	68-72	RWD	N/A	N/A			OEMA 94450, 94451	OEMA 94450, 94451	91,91
Reliant	81-89	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Sapporo	80-83	RWD	N/A	N/A			N/A	N/A	
Satellite	65-72	RWD	N/A	N/A			OEMA 94450, 94451	OEMA 94450, 94451	91,91

ALIGNMENT FOOTNOTES BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD

- (1) = CAUTION: Check for caliper to rotor clearance with disc brakes. Use spacer pak 75970 (pg. 75) as necessary to keep caliper centered on rotor • (2) = All EXCEPT RWD 1500
 (3) = Check Bolt Length BEFORE Cutting Hole • (4) = Shims (pg. 56-57) • (5) = LH Toe Tool for front toe adjustment (pg. 94) • (6) = Bolts, 73415, are necessary for changes greater than 3/4" (pg. 74)
 (7) = Recommended for vehicles lowered more than 1.5" • (8) = Will not work on 1988-89 models with welded-in ball joint • (9) = M3 Only, caster will decrease by 2 degrees
 (10) = Limited camber range of $\pm 1.0^\circ$ • (11) = Center stock camber and toe adjusters before calculating shim change

■ = Thrust Alignment Plate can correct thrust angle and setback (pg. 57)/Check frame angle with Angle Gauge Part No. 64225 (pg. 121)

N/A = No Available Adjuster • OEMA = Original Equipment Manufacturer Adjustment • (*) = Series P/N, for correct size • SW = Station Wagon • ©2012 Niwot Corp. dba Specialty Products Co.®

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

PLYMOUTH - cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Scamp	82-85	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Sundance	87-94	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
TC3, Turismo	79-87	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	75,75 69,69 69,69		N/A	OEMA 83170	79
Valiant	72-76	RWD	N/A	N/A		■	OEMA 94460, 94461	OEMA 94460, 94461	91,91
Voyager w/ABS	96-01	FWD/AWD	N/A	N/A			N/A	OEMA 83170	79
Voyager w/o ABS	96-01	FWD	71730*	71720*	70,70		N/A	OEMA 81260 83170/ 85130	76 79/ 127
Voyager	84-95	FWD	75400(1) 71300*(1)	75400(1) 71300*(1)	75,75 69,69		N/A	OEMA 83170	79

PONTIAC

1000	76-87	RWD	N/A	N/A			OEMA	OEMA	
2000 Sunbird	82-94	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81280 82120/ 85130	76 78/ 127
6000/A	82-91	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	82110/ 85130	78/ 127
Aztec AWD	01-06	AWD	OEMA	OEMA			N/A	81260	76
Aztec FWD	01-06	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	81260	76
Bonneville	00-06	FWD	75800 or 75600(1)	OEMA 75800 or 75600(1)	75 75		N/A	81280 82120/ 85130	76 78/ 127
Bonneville	87-99	FWD	81280 82120/ 85130	OEMA	76 78/ 127		OEMA/ 85130	81280 82120/ 85130	127/76 78/ 127
Bonneville - 'B' Body Pro Springs - see pg. 90	82-86	RWD	N/A	N/A			OEMA(4) 94330, 94331 94332(7) 95336 (Lower)	OEMA(4) 94330, 94331 94332(7)	88,88 88,88 91
Bonneville - 'B' Body Pro Springs - see pg. 90	77-81	RWD	N/A	N/A			OEMA(4) 94378 (Lower)	OEMA(4)	91
Bonneville - 'B' Body Pro Springs - see pg. 90	71-76	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Catalina	65-86	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
Fiero	84-88	RWD	82110/ 85130	OEMA	78/ 127		OEMA	OEMA	
Firebird	93-02	RWD	N/A	N/A			OEMA/ 83775	OEMA/ 83775	126
Firebird	82-92	RWD	N/A	N/A			OEMA	OEMA/ 8292 81280 82120/ 85130	117 76 78/ 127
Firebird - 'F' Body Pro Springs - see pg. 90	70-81	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Firebird - 'F' Body Pro Springs - see pg. 90	67-69	RWD	N/A	N/A			OEMA(4) 94305 94374 (Lower)	OEMA(4) 94305	88,88 91
G3/Wave	05-10	FWD	75200(1)	75200(1)	75,75		N/A	81250	76
G5	07-09	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81250	76
G6	05-09	FWD	OEMA 75400(1)(11)	OEMA 75400(1)(11)	75,75		N/A	81250	76
G8	08-09	RWD	OEMA	OEMA			N/A	81260	76
Firefly	85-92	FWD	N/A	N/A			N/A	81250	76
Grand Am	04-05	FWD	81250	OEMA	76		N/A	81260	76
Grand Am	99-03	FWD	81250	OEMA	76		N/A	81250	76
Grand Am	96-98	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81260	76
Grand Am	88-95	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	75,75 69,69		N/A	81280 82120/ 85130	76 78/ 127

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

PONTIAC - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Grand Am - 'G' Body <i>Pro Springs - see pg. 90</i>	78-80	RWD	N/A	N/A			OEMA(4) 94330, 94331 94332(7) 95336 (Lower)	OEMA(4) 94330, 94331 94332(7)	88,88 88,88 91
Grand Am - 'A' Body <i>Pro Springs - see pg. 90</i>	73-75	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Grand Prix	97-08	FWD	81260	OEMA	76		N/A	81260	76
Grand Prix	95-96	FWD	81280 82120/85130	OEMA/83850	76/126 78/127		N/A	N/A/85130	127
Grand Prix	88-94	FWD	81280	OEMA	76		N/A	N/A/85130	127
Grand Prix - 'G' Body <i>Pro Springs - see pg. 90</i>	78-87	RWD	N/A	N/A			OEMA(4) 94330, 94331 94332(7) 95336 (Lower)	OEMA(4) 94330, 94331 94332(7)	88,88 88,88 91
Grand Prix - 'A' Body <i>Pro Springs - see pg. 90</i>	73-77	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
Grand Prix	65-72	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
GTO	04-06	RWD	N/A	OEMA			OEMA	OEMA 81260	76
GTO - 'A' Body <i>Pro Springs - see pg. 90</i>	64-72	RWD	N/A	N/A			OEMA(4) 94324, 94325 94320(7) 94344 (Lower)	OEMA(4) 94324, 94325 94320(7)	88,88 88,88 89
LeMans	88-94	FWD	N/A	N/A			N/A	N/A	
LeMans - 'G' Body <i>Pro Springs - see pg. 90</i>	78-81	RWD	N/A	N/A			OEMA(4) 94330, 94331 94332(7) 95336 (Lower)	OEMA(4) 94330, 94331 94332(7)	88,88 88,88 91
LeMans - 'A' Body <i>Pro Springs - see pg. 90</i>	73-77	RWD	N/A	N/A			OEMA(4) 94340 94378 (Lower)	OEMA(4) 94340	88,88 91
LeMans - 'A' Body <i>Pro Springs - see pg. 90</i>	64-72	RWD	N/A	N/A			OEMA(4) 94324, 94325 94320(7) 94344 (Lower)	OEMA(4) 94324, 94325 94320(7)	88,88 88,88 89
Montana/SV6	97-07	FWD	75800 or 75600(1)	75800 or 75600(1)	76,76		N/A	81260	76
Montana/SV6	02-07	AWD	OEMA	OEMA			N/A	81260	76
Phoenix	80-85	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	76,76 69,69		N/A	82110/85130	78/127
Safari SW	80-89	RWD	N/A	N/A			OEMA(4)	OEMA(4)	
Soltice	06-09	RWD	OEMA	OEMA			OEMA	OEMA	
Sunfire & Tempest	95-06	FWD	75400(1) 71400*(1)	75400(1) 71400*(1)	76,76 69,69		N/A	81260	76
Tempest - 'A' Body <i>Pro Springs - see pg. 90</i>	64-70	RWD	N/A	N/A			OEMA(4) 94324, 94325 94320(7) 94344 (Lower)	OEMA(4) 94324, 94325 94320(7)	88,88 88,88 89
Torrent	06-09	FWD/AWD	OEMA 87420	OEMA 87420	84,84		N/A	81260	76
Transport	97-01	FWD	75800 or 75600(1)	75800 or 75600(1)	76,76		N/A	81260	76
Transport	90-96	FWD	75800 or 75600(1)	75800 or 75600(1)	76,76		N/A	82110/85130	78/127
Vibe	03-10	FWD	75600(1)+73415	75600(1)+73415	76,74		N/A	81290	76
Vibe	03-10	AWD	OEMA	OEMA			N/A	81290	76

ALIGNMENT FOOTNOTES BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

PORSCHE			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
911	12-12	RWD/AWD	N/A	N/A			N/A	N/A	
911	80-11	RWD/AWD	OEMA	OEMA			N/A	OEMA	
924	80-82	RWD	OEMA	OEMA			OEMA	81250	76
924S	87-88	RWD	OEMA	OEMA			OEMA	81250	76
928	80-96	RWD	OEMA	OEMA			OEMA	OEMA	
944	82-91	RWD	OEMA	OEMA			OEMA	OEMA 81250	76
968	92-95	RWD	OEMA	OEMA			OEMA	OEMA	
Boxster	97-12	RWD	OEMA	OEMA			N/A	OEMA	
Cayenne	04-12	AWD	OEMA	OEMA			OEMA	OEMA	
Cayman	06-12	RWD	OEMA	OEMA			N/A	OEMA	
Panamera	10-12	RWD/AWD	OEMA	OEMA			N/A	OEMA	
PREVOST									
See our Heavy Duty		Section	pages 97-106						
RAM									
See Dodge/Ram pages 12-16									
SAAB									
9-2X	05-07	4WD	81260 67640	OEMA 67640	76 67,67		N/A	81260	76
9-3	08-12	FWD/AWD	OEMA	OEMA			N/A	81250	76
9-3	03-09	FWD	OEMA	OEMA			N/A	81250	76
9-3	99-02	FWD	N/A	N/A			N/A	N/A	
9-3X	08-12	FWD/AWD	N/A	N/A			N/A	N/A	
9-4X	12-12	FWD/AWD	N/A	N/A			N/A	N/A	
9-5	10-12	FWD/AWD	N/A	N/A			N/A	N/A	
9-5	00-09	FWD	N/A	OEMA			N/A	81250	76
9-7X	05-09	AWD	N/A	N/A			N/A	OEMA/83795	126
99	80-80	FWD	N/A	N/A			OEMA	OEMA	
900	94-99	FWD	N/A	N/A			N/A	N/A	
900	80-93	FWD	N/A	N/A			OEMA(4)	OEMA(4)	
9000	86-98	FWD	N/A	N/A			N/A	81250	76
SATURN									
Astra	08-09	FWD	N/A	N/A			N/A	81250	76
Aura	07-09	FWD	OEMA 75400(1)(11)	OEMA 75400(1)(11)	75,75		N/A	81250	76
Ion	03-07	FWD	75400	75400	75,75		N/A	81250	76
L-Series	00-05	FWD	67270	OEMA	62		N/A	81250	76
Outlook	07-09	FWD/AWD	OEMA	OEMA			N/A	81280	76
Relay FWD	05-08	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	81260	76
Relay AWD	05-08	AWD	OEMA	OEMA			N/A	81260	76
S-Series	91-03	FWD	81260	OEMA 85600/78090	76 80/125		OEMA	81260	76
Sky	07-09	RWD	OEMA	OEMA			OEMA	OEMA	
Vue	02-09	FWD/AWD	OEMA	OEMA			N/A	81260	76
Vue	06-09	FWD/AWD	87420	87420	84,84				
SCION									
xA	04-07	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	81260	76
xB	08-12	FWD	N/A	N/A			N/A	81290	76
xB	04-07	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	81260	76
xD	08-12	FWD	N/A	N/A			N/A	81270	76
iQ	11-12	FWD	75600(1)	75600(1)	75,75		N/A	81250	76
tC	11-12	FWD	N/A	OEMA			N/A	81290	76
tC	05-10	FWD	OEMA 67485	OEMA	65		N/A	81290	76
SMART									
Fortwo	07-11	RWD	N/A	N/A			N/A	N/A	
STERLING									
Bullet	08-12	4WD/RWD	N/A	N/A		■	23850-23854/ 23780,72509	23850-23854/ 23780,72509	53,53 117,123
Camber Change Only on 4WD									

Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

SUBARU			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
All (except below)	80-94	AWD	N/A	OEMA			N/A	N/A	
Baja	03-07	AWD	N/A	OEMA			N/A	81260	76
Forester	09-12	AWD	67645/67647	OEMA 67655	67/122 67		N/A	OEMA 81260	76
Forester	98-08	AWD	81260	OEMA			N/A	OEMA 81260	76
Justy	87-94	FWD/AWD	N/A	OEMA			N/A	N/A	
Impreza, WRX, STI	12-12	AWD	N/A	N/A			N/A	N/A	
Impreza, WRX, STI	08-11	AWD	67645/67647	OEMA 67655	67/122 67		N/A	OEMA 81260	76
Impreza, WRX, STI	93-07	AWD	81260 67640 (except STI)	OEMA 67640 (except STI)	76 67,67		N/A	OEMA 81260	76
Legacy/Outback/GT	00-12	AWD	N/A	OEMA			N/A	OEMA 81260	76
Legacy/Outback/GT	90-99	AWD	81260	OEMA	76		N/A	OEMA 81260	76
Tribeca	06-12	AWD	N/A	OEMA			N/A	81260	76
SUZUKI									
Aerio/Aerio SX	03-07	FWD/AWD	81250	OEMA	76		N/A	81250	76
Equator	09-12	RWD/4WD	N/A	N/A		■	87520	87520	85
Esteem	95-02	FWD/AWD	81250	OEMA	76		OEMA	81250	76
Forenza/Forenza Wgn.	04-08	FWD	81250	OEMA	76		N/A	81250	76
Kizashi	10-12	FWD/AWD	OEMA	OEMA			N/A	N/A	
Reno	05-09	FWD	81250	OEMA	76		N/A	81250	76
Samurai	86-96	RWD/4WD	N/A	N/A			88905 88906	88905 88906	85,85 85,85
Side Kick	89-98	RWD/4WD	N/A	N/A			N/A	81250	76
Swift	89-01	FWD	N/A	OEMA			OEMA	81250	76
SX4	07-12	FWD/AWD	N/A	N/A			N/A	81250	76
Verona	04-08	FWD	N/A	OEMA			OEMA	81250	76
Vitara, Grand Vitara	99-12	FWD/AWD	N/A	N/A			N/A	81250	76
X-90	97-01	RWD/4WD	N/A	N/A			N/A	81250	76
XL-7	07-11	FWD/AWD	OEMA 87420	OEMA 87420	84		N/A	81260	76
XL-7	01-06	RWD/4WD	N/A	N/A			N/A	81250	76
TOYOTA									
4-Runner JounceShock System-pg 110	10-12	RWD/4WD	N/A	N/A		■	OEMA 25480, 25440	OEMA 25480, 25440	55,55
4-Runner JounceShock System-pg 110	03-09	RWD/4WD	N/A	N/A		■	OEMA 25480, 25435	OEMA 25480, 25435	55,55
4-Runner JounceShock System-pg 110	96-02	RWD/4WD	N/A	N/A			OEMA 25460, 25430	OEMA 25460, 25430	55,55
4-Runner	86-95	RWD/4WD	N/A	N/A		■	OEMA	OEMA	
Avalon	95-12	FWD	81270	OEMA	76		N/A	81290 82120/85130	76 78/127
Camry, Camry Solara, Camry Hybrid	12-12	FWD/AWD	N/A	N/A			N/A	N/A	
Camry, Camry Solara, Camry Hybrid	92-11	FWD	81270	OEMA	76		N/A	81290 82120/85130	76 78/127
Camry	88-91	FWD/AWD	81270	OEMA	76		85690, 85695	81290 82120/85130	80,76 78/127
Camry	83-87	FWD/AWD	81270	OEMA	76		OEMA 85690, 85695	OEMA 81290 82120/85130	80,76 78/127

ALIGNMENT FOOTNOTES BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD

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 (3) = Check Bolt Length BEFORE Cutting Hole • (4) = Shims (pg. 56-57) • (5) = LH Toe Tool for front toe adjustment (pg. 94) • (6) = Bolts, 73415, are necessary for changes greater than 3/4" (pg. 74)
 (7) = Recommended for vehicles lowered more than 1.5" • (8) = Will not work on 1988-89 models with welded-in ball joint • (9) = M3 Only, caster will decrease by 2 degrees
 (10) = Limited camber range of ±1.0° • (11) = Center stock camber and toe adjusters before calculating shim change

■ = Thrust Alignment Plate can correct thrust angle and setback (pg. 57)/Check frame angle with Angle Gauge Part No. 64225 (pg. 121)

N/A = No Available Adjuster • OEMA = Original Equipment Manufacturer Adjustment • (*) = Series P/N, for correct size • SW = Station Wagon • ©2012 Niwot Corp. dba Specialty Products Co.®

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Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

TOYOTA - cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Camry Wagon	88-96	FWD/AWD	81270	OEMA	76		85690, 85695	81290 82120/ 85130	80,76 78/ 127
Carina	72-73	RWD	N/A	N/A			N/A	N/A	
Celica	00-05	FWD	OEMA 67440	OEMA	64		N/A	81270	76
Celica	86-99	FWD	81270	OEMA	76		N/A	81270	76
Celica (Incl. Supra)	71-85	RWD	N/A	N/A			N/A	N/A	
Celica All-Trac	89-92	RWD	N/A	N/A			N/A	81270	76
Corolla	09-11	FWD	75600(1)	75600(1)	75,75		OEMA	81290	76
Corolla	03-08	FWD	75600(1)+73415	75600(1)+73415	75,74		OEMA	81270	76
Corolla	88-02	FWD	81250	OEMA	76		N/A	81270	76
Corolla All-Trac	89-92	AWD	N/A	N/A			N/A	81270	76
Corolla	84-87	FWD	81250	OEMA	76		N/A	81250	76
Corolla	75-87	RWD	N/A	N/A			OEMA	N/A	
Cressida	89-92	RWD	OEMA	OEMA			OEMA	N/A	
Cressida	85-88	RWD	N/A	OEMA			85690, 85695	N/A	80
Cressida	83-84	RWD	N/A	OEMA			OEMA	N/A	
Cressida	82-82	RWD	N/A	N/A			OEMA	N/A	
Cressida	78-81	RWD	N/A	N/A			N/A	N/A	
Cressida Wagon	83-88	RWD	N/A	N/A			OEMA	N/A	
Echo	00-06	FWD	75800 or 75600(1)	75800 or 75600(1)	75,75		N/A	81260	76
FJ Cruiser	10-12	RWD/4WD	N/A	N/A			OEMA	OEMA	
JounceShock System-pg 110							25480, 25440	25480, 25440	55,55
FJ Cruiser	07-09	RWD/4WD	N/A	N/A			OEMA	OEMA	
JounceShock System-pg 110							25480, 25435	25480, 25435	55,55
FX16	86-88	FWD	81250	OEMA	76		N/A	OEMA 81250	76
Highlander	08-12	FWD/AWD	81290	OEMA	76		N/A	81290	76
Highlander	01-07	FWD/AWD	81270	OEMA	76		N/A	81290	76
Landcruiser SW	98-12	4WD	N/A	N/A			OEMA	OEMA	
Landcruiser, Landcruiser SW	65-97	4WD	N/A	N/A		■	88901-88904	88901-88904	85,85
Matrix	03-11	AWD	OEMA	OEMA			N/A	81290	76
Matrix	03-11	FWD	75600(1)+73415	75600(1)+73415	75,74		N/A	81290	76
MR2 Spyder	00-06	RWD	81270	OEMA	76		OEMA	81270	76
MR2	91-97	RWD	81270	OEMA	76		OEMA	81270	76
MR2	85-90	RWD	OEMA 81250	OEMA	76		OEMA	OEMA 81250	76
Paseo	92-97	FWD	N/A	N/A			N/A	81270	76
Pickup	86-94	4WD	N/A	N/A		■	OEMA	OEMA	
Pickup	74-94	RWD	N/A	N/A		■	OEMA(4)	OEMA(4)	
Previa	90-97	RWD/AWD	N/A	N/A			N/A	81290 82120/ 85130	76 78/ 127
Prius	10-12	FWD	75600(1)	75600(1)	75,75		N/A	81290	76
Prius	01-09	FWD	75600(1)	75600(1)	75,75		N/A	81270	76
RAV4	06-12	FWD/AWD	N/A	OEMA			N/A	81290	76
RAV4	96-05	FWD/AWD	OEMA	OEMA			N/A	81270	76
Sequoia	08-12	RWD/4WD	OEMA	OEMA			OEMA 25490	OEMA 25490	55,55
Sequoia	01-07	RWD/4WD	N/A	N/A			OEMA	OEMA	
Sienna	04-12	AWD	N/A	N/A			N/A	81290 82120	76 78
Sienna - FWD	11-12	FWD	N/A	N/A			N/A	81290	76
Sienna - FWD	98-10	FWD	71020*	71020*	69,69		N/A	81290 82120/ 85130	76 78/ 127
Solara-See Camry									
Supra MKIV	92-02	RWD	OEMA	OEMA			OEMA	OEMA	
Supra MKIII	86-92	RWD	N/A	OEMA			N/A	N/A	
Supra	71-85	RWD	N/A	N/A			N/A	N/A	
Starlet	81-84	RWD	N/A	N/A			85690, 85695	N/A	80
T100	93-98	4WD	N/A	N/A		■	OEMA	OEMA	
T100	93-98	RWD	N/A	N/A		■	OEMA(4)	OEMA(4)	

Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

TOYOTA - cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Tacoma	05-12	4WD	N/A	N/A		■	OEMA 25470 25435	OEMA 25470 25435	55,55 55,55
Incl. PreRunner (RWD) JounceShock System-pg 110									
Tacoma	05-12	RWD	N/A	N/A		■	OEMA	OEMA	
Tacoma	95-04	4WD	N/A	N/A		■	OEMA 25460 25430	OEMA 25460 25430	55,55 55,55
Incl. PreRunner (RWD) JounceShock System-pg 110									
Tacoma	95-04	RWD	N/A	N/A		■	OEMA	OEMA	
Terrel	87-99	FWD	N/A	N/A			N/A	OEMA 81270	76
Terrel	83-86	FWD/AWD	81250	OEMA	76		85690, 85695	OEMA 81250	80 76
Terrel Wagon	87-89	FWD	N/A	OEMA			OEMA	OEMA 81270	76
Terrel Wagon	86-89	4WD	81250	OEMA	76		85690, 85695	OEMA 81270	80 76
Tundra	07-12	RWD/4WD	N/A	N/A		■	OEMA 25490	OEMA 25490	55,55
JounceShock System-pg 110									
Tundra	99-06	RWD/4WD	N/A	N/A		■	OEMA	OEMA	
Van	86-89	2WD/AWD	N/A	N/A			OEMA	OEMA	
Venza	09-12	FWD/AWD	81290	OEMA	76		N/A	81290	76
Yaris	07-12	FWD	75600(1)	75600(1)	75,75		N/A	81270	76

VANHOOL

See our Heavy Duty	Section	pages 97-106							
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VOLKSWAGEN

Beetle/Conv.	12-12	FWD	N/A	N/A			N/A	N/A	
Beetle/Conv.	99-11	FWD	71530*/87530	71520*/87530	69/128		81340	81340	77,77
Cabrio	95-02	FWD	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75,48 69,48 69,48		N/A	81250	76
Cabriolet	85-94	FWD	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75,48 69,48 69,48		N/A	81250	76
CC	06-12	FWD/AWD	OEMA	OEMA			N/A	N/A	
Corrado	90-94	FWD	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75,48 69,48 69,48		N/A	81250	76
Dasher	73-81	FWD	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75,48 69,48 69,48		N/A	OEMA	
Eos(A5)	07-12	FWD	OEMA	OEMA			N/A	N/A	
EuroVan	93-08	FWD/AWD	N/A	OEMA			N/A	OEMA	
Fox	87-94	FWD	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75,48 69,48 69,48		N/A	OEMA	
Golf	99-06	FWD	71530*/87530	71520*/87530	69/128		81340	81340	77,77
Golf R32	04-06	FWD	N/A	N/A			81340	81340	77,77
Golf	84-98	FWD	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75,48 69,48 69,48		N/A	81250	76
GTI/Golf/R32 (A5)	06-12	FWD	OEMA	OEMA			N/A	N/A	
GTI	99-06	FWD	71530*/87530	71520*/87530	69/128		81340	81340	77,77
GTI	82-98	FWD	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	76,48 69,48 69,48		N/A	81250	76

ALIGNMENT FOOTNOTES BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD

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Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

VOLKSWAGEN - cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Jetta/GLI(A5)	05-12	FWD	OEMA	OEMA			N/A	N/A	
Jetta(A4)	99-05	FWD	71530*/87530	71520*/87530	69/128		81340	81340	77,77
Jetta	80-98	FWD	75200(1)+10408 71200*(1)+10408	75200(1)+10408 71200*(1)+10408	76,48 69,48		N/A	81250	76
Passat	06-12	FWD/AWD	OEMA	OEMA			N/A	N/A	
Passat AWD	01-05	AWD	OEMA	OEMA			N/A	N/A	
Passat FWD	98-05	FWD	75800(1)+10408 75600(1)+10408	75800(1)+10408 75600(1)+10408	76,48 69,48		81350	81350	77,77
Passat	90-97	FWD	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	75200(1)+10408 71200*(1)+10408 71100*(1)+10408	76,48 69,48 69,48		N/A	81250	76
Quantum	82-89	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	76,76 69,69 69,69		N/A	OEMA	
Rabbit	06-09	FWD	OEMA	OEMA			N/A	N/A	
Rabbit	74-84	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	76,76 69,69 69,69		N/A	81250	76
Routan	09-12	FWD	N/A	N/A			N/A	OEMA	
Scirocco	74-91	FWD	75200(1) 71200*(1) 71100*(1)	75200(1) 71200*(1) 71100*(1)	76,76 69,69 69,69		N/A	OEMA	
Syncro & Vanagon	86-91	RWD/AWD	OEMA	OEMA			OEMA	OEMA	
Tiguan (A5)	09-12	AWD	OEMA	OEMA			N/A	N/A	
Touareg/Touareg2	04-12	AWD	OEMA	OEMA			OEMA	OEMA	
Type I	65-79	RWD	N/A	OEMA			N/A	OEMA	

VOLVO

90 Series	98-00	RWD	N/A	OEMA			OEMA	81250	76
240	80-91	RWD	N/A	N/A			N/A	OEMA	
740	85-93	RWD	N/A	N/A			OEMA	N/A	
940	85-95	RWD	N/A	N/A			OEMA	N/A	
760	83-94	RWD	OEMA	OEMA			OEMA	N/A	
850 GLT	93-97	FWD	N/A	OEMA			N/A	81250	76
960	95-97	RWD	OEMA	OEMA			N/A	81250	76
C30	08-12	FWD	81310 67420	OEMA	77 64		N/A	N/A	
C70	06-12	FWD	N/A	OEMA			N/A	N/A	
C70	97-05	FWD	N/A	N/A			N/A	81250	76
GV Series	87-89	RWD	OEMA	OEMA			N/A	81250	76
S40, V50	04-12	FWD/AWD	81310 67420	OEMA	77 64		N/A	N/A	
S40, V40	00-03	FWD	OEMA	OEMA			N/A	81250	76
S60	01-12	RWD/AWD	N/A	OEMA			N/A	81260	76
S70, V70	98-00	FWD/AWD	N/A	OEMA			N/A	81250	76
S80	07-12	RWD/AWD	N/A	N/A			N/A	N/A	
S80	99-06	RWD/AWD	N/A	OEMA			N/A	81260	76
V70, XC70	08-12	FWD/AWD	N/A	OEMA			N/A	N/A	
V70, XC70	02-07	FWD/AWD	N/A	OEMA			N/A	81260	76
XC-60	09-12	AWD	N/A	OEMA			N/A	N/A	
XC-90	03-11	AWD	N/A	OEMA			N/A	81260	76

VOLVO & WHITE TRACTORS (OTR)

See our Heavy Duty Section pages 97-106

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Applications

ESTIMATED INSTALLATION TIMES

(Allow for frozen bolts, nuts, sleeves, etc.) All times are calculated using the recommended special tools.

Part No.	Time/ Per Side	Sides Covered Per Kit	Part No.	Time/ Per Side	Sides Covered Per Kit	Part No.	Time/ Per Side	Sides Covered Per Kit	Part No.	Time/ Per Side	Sides Covered Per Kit	Part No.	Time/ Per Side	Sides Covered Per Kit
23000	0.5	1	66045	0.6	1	67590	0.5	1	80299	0.5	6	87280	0.7	2
21080	0.3	2	66050	0.6	1	67610	0.6	2	80399	0.5	6	87310	0.3	2
23000	0.5	1	67010	0.8	1	67620	1.2	2	80499	0.5	6	87330	0.5	2
23100	0.5	1	67015	0.5	1	67630	1.2	2	80599	0.5	6	87340	0.5	2
23120	0.5	1	67020	0.8	1	67640	0.8	1	80699	0.5	6	87350	0.5	2
23130	0.5	1	67025	0.5	1	67645	0.5	1	80799	0.5	6	87365	0.8	1
23160	0.5	1	67030	0.5	1	67655	0.5	1	80899	0.5	6	87385	0.4	2
23180	0.5	1	67065	0.5	1	67720	0.3	2	80999	0.5	6	87400	0.4	2
23220	0.5	1	67070	0.5	1	67740	0.3	1	81099	0.5	6	87420	0.3	1
23230	0.5	1	67075	0.6	1	67765	1.0	1	81240	0.4	2	87500	0.5	2
23268	0.5	1	67080	0.5	1	67775	1.0	1	81250	0.4	2	87520	0.4	1
23269	0.5	1	67090	0.5	1	67776	1.0	1	81260	0.4	2	87540	0.4	2
23410	0.6	1	67095	0.5	1	69100	0.3	2	81270	0.4	2	87545	0.4	2
23510	1.0	1	67110	1.3	1	69200	0.3	2	81280	0.4	2	88901	1.4	1
23520	1.0	1	67115	0.6	1	69250	0.6	2	81290	0.4	2	88902	1.4	1
23530	1.0	1	67125	0.6	1	69300	0.3	2	81310	0.5	2	88903	1.4	1
23540	1.0	1	67135	0.6	1	69400	0.3	2	81320	1.2	1	88904	1.4	1
23600	0.5	1	67145	0.6	1	69450	0.6	2	81340	1.2	1	88905	1.4	1
23710	1.0	1	67155	0.6	1	69460	0.6	2	81350	0.7	1	88906	1.4	1
23720	1.0	1	67165	0.6	1	71020	0.5	1	81360	0.7	1	88940	0.4	1
23730	1.0	1	67170	0.6	1	71100	0.5	1	82110	0.4	2	88950	1.4	1
23755	0.3	1	67180	0.6	1	71200	0.5	1	82120	0.6	2	89199	0.5	6
23765	0.3	1	67190	0.6	1	71300	0.5	1	82370	0.3	2	89299	0.5	6
23800	1.0	1	67195	0.6	1	71400	0.5	1	82380	0.4	2	89399	0.5	6
23810	1.0	1	67210	0.4	1	71520	0.5	1	82385	0.4	2	89499	0.5	6
23820	1.0	1	67220	0.6	1	71530	0.5	1	82390	0.4	2	89599	0.5	6
23830	1.0	1	67230	0.5	1	71720	0.5	1	83115	0.8	2	89635	1.0	2
23850	1.0	1	67245	0.6	1	71730	0.5	1	83160	0.4	2	89675	1.2	1
23853	1.0	1	67265	0.5	1	72040	1.0	2	83170	0.4	2	89685	1.2	2
23856	1.0	1	67270	0.8	1	72045	0.5	2	83790	0.5	1	89699	0.5	6
23940	0.6	1	67285	0.8	1	72050	0.6	1	84110	xx	x	89799	0.5	6
23960	0.6	1	67290	0.5	1	72055	0.6	1	84199	0.5	6	89899	0.5	6
24120	0.5	1	67320	0.6	1	72060	1.0	2	84299	0.5	6	94302	0.7	1
24130	0.5	1	67330	0.6	1	72065	1.2	2	84399	0.5	6	943.3	0.7	1
24160	0.5	1	67340	0.6	1	72070	1.2	2	84499	0.5	6	94305	0.7	1
24180	0.5	1	67350	0.6	1	72080	1.2	2	84599	0.5	6	94320	0.7	1
24220	0.5	1	67360	0.6	1	72090	1.2	2	84690	0.5	as req.	94324	0.7	1
24230	0.5	1	67370	0.6	1	72110	1.3	2	84695	0.5	as req.	94325	0.7	1
25430	0.3	1	67395	0.5	1	72125	1.8	2	84699	0.5	6	94330	0.7	1
25435	0.3	1	67410	0.5	1	72130	0.6	2	85600	0.5	2	94331	0.7	1
25440	0.3	1	67420	0.5	1	72180	1.2	2	85690	0.2	as req.	94332	0.7	1
25460	1.6	2	67430	0.5	1	72185	0.6	2	85695	0.2	as req.	94340	0.7	1
25470	1.6	2	67440	0.5	1	72190	1.2	2	86140	0.4	2	94342	0.7	1
25480	1.6	2	67450	0.5	1	72260	0.6	1	86180	0.2	2	94343	0.7	1
25490	1.6	2	67465	0.5	1	72265	0.6	1	86250	0.3	1	94344	1.2	2
25540	1.6	2	67470	0.5	1	72270	0.6	2	86255	0.5	1	94350	0.7	1
28840	0.6	1	67485	0.5	1	72280	0.6	1	86320	0.3	1	94360	0.7	1
35075	0.2	1	67490	0.5	1	72345	0.6	2	86325	0.3	4	94368	0.7	1
35076	0.2	1	67510	0.6	1	72350	1.0	2	86330	0.8	1	94369	0.7	1
47240	0.3	6	67515	0.6	1	72355	0.4	1	86350	0.8	1	94370	0.7	1
47241	0.3	6	67525	0.6	1	73400	0.3	1	86360	0.5	1	94371	0.7	1
47242	0.3	6	67530	0.6	1	73600	0.5	1	86370	0.3	1	94374	1.2	2
62010	0.7	1	67540	0.8	1	73620	0.5	1	86375	0.3	1	94378	1.2	2
63020	0.5	1	67545	0.3	1	75200	0.5	1	86640	0.4	1	94450	0.7	1
63030	0.5	1	67550	0.3	1	75400	0.5	1	86680	0.3	1	94451	0.7	1
66010	0.6	1	67555	0.3	1	75600	0.5	1	87225	0.7	2	94460	0.7	1
66020	0.6	1	67570	0.5	1	75800	0.5	1	87270	0.4	2	94461	0.7	1
66030	0.6	1	67580	0.5	1	80199	0.5	6	87275	0.7	2	95336	1.2	2
66040	0.6	1												

MODEL YEAR (V.I.N. Tag Location)

*NOTE: Beginning in 1980 or 1981, all domestic vehicle manufacturers and most import manufacturers refer to the year of vehicle manufacture in the V.I.N. Tag as listed below:

Letter/Number shown in 10th digit of V.I.N. tag.

YEAR	DESIGNATION	YEAR	DESIGNATION	YEAR	DESIGNATION
1981	B	1992	N	2003	3
1982	C	1993	P	2004	4
1983	D	1994	R	2005	5
1984	E	1995	S	2006	6
1985	F	1996	T	2007	7
1986	G	1997	V	2008	8
1987	H	1998	W	2009	9
1988	J	1999	X	2010	A
1989	K	2000	Y	2011	B
1990	L	2001	1	2012	C
1991	M	2002	2	2013	D

CONVERSION TABLE - Toe Readings

Inches	Degrees	Metric MM	Minutes of Degrees
.03 (1/32)	.06° (1/16°)	0.8	3.75'
.06 (1/16)	.13° (1/8°)	1.6	7.50'
.09 (3/32)	.19° (3/16°)	2.4	11.25'
.12 (1/8)	.25° (1/4°)	3.2	15.00'
.16 (5/32)	.31° (5/16°)	4.0	18.75'
.19 (3/16)	.38° (3/8°)	4.8	22.50'
.22 (7/32)	.44° (7/16°)	5.6	26.25'
.25 (1/4)	.50° (1/2°)	6.4	30.00'
.28 (9/32)	.56° (9/16°)	7.1	33.75'
.31 (5/16)	.63° (5/8°)	7.9	37.50'
.34 (11/32)	.69° (11/16°)	8.7	41.25'
.37 (3/8)	.75° (3/4°)	9.5	45.00'
.41 (13/32)	.81° (13/16°)	10.3	48.75'
.44 (7/16)	.88° (5/8°)	11.1	52.50'
.47 (15/32)	.94° (15/16°)	11.9	56.25'
.50 (1/2)	1.00° (1°)	12.7	60.00'
.53 (17/32)	1.06° (1-1/16°)	13.5	1° 3.75'
.56 (9/16)	1.13° (1-1/8°)	14.3	1° 7.50'
.59 (19/32)	1.19° (1-3/16°)	15.1	1° 11.25'
.62 (5/8)	1.25° (1-1/4°)	15.9	1° 15.00'
.66 (21/32)	1.31° (1-5/16°)	16.7	1° 18.75'
.69 (11/16)	1.38° (1-3/8°)	17.5	1° 22.50'
.72 (23/32)	1.44° (1-7/16°)	18.3	1° 26.50'
.75 (3/4)	1.50° (1-1/2°)	19.0	1° 30.00'

Parts

88210

TRUCK SLEEVE BOARD

Containing our most popular sleeves, this board set gives you excellent application coverage, including the new F150, F250 and F350 trucks while keeping inventory in check. **Shipped with our high-strength polymer display board, hooks and labels.**

BOARD INCLUDES ONE EACH OF THE FOLLOWING:

- 23102, 23104, 23106, 23108, 23109, 23112** Change camber & caster on many popular Ford 4WD trucks including older F250, F350 and full sized Broncos
- 23132, 23134, 23136, 23138, 23139** Camber/caster sleeves for Ford and Dodge trucks including Ford 4WD F350 Crew Cabs and Dodge 4WD BR2500 and RWD & 4WD BR3500 Vans.
- 23182, 23184, 23186, 23188, 23190, 23199** Adjusts camber and caster on Ford RWD F150, F250 (L/D), F350, Bronco II, Explorer and Ranger, along with Ford 4WD Bronco II, Explorers and Rangers.
- 23212, 23222, 23224, 23226, 23228, 23229** Our new camber/caster sleeves for 2005 & Up F250 and F350 4WD Ford Super Duty's.
- 24120, 24130, 24180, 24220, 74400, 74500** Adjustable truck sleeves add versatility to this set, along with our special wrenches that make installation easier.

88260

PASSENGER CAR ASSORTMENT BOARD

This Board Set includes our most popular shims, cam kits and adjustable strut plates. This is a "must have" for any shop performing 4 wheel alignments on passenger cars. **Shipped with our high-strength polymer display board.**

BOARD INCLUDES THE FOLLOWING:

- 75200, 75400, 75600** **EZ Shims™** - a patented full contact, dual angle shim set that corrects toe and camber with one shim. These shims cover many rear shimable FWD vehicles on the road today. **#75200, #75400 and #75600 - 2 of each shim included**
- 75915** **EZ Shim™ Cutter** - A necessary tool for properly cutting EZ Shims™. **1 included**
- 75970** **EZ Shim™ Caliper Spacer Set** - Aligns caliper to rotor after installing our EZ Shims™ on some FWD cars with hub mounted rear brakes. **1 set included**
- 10408** **Hub Replacement Bolt Set** - to be used when installing rear shims. **1 set included**
- 81250, 81260, 81270, 81280, 81290** **EZ Cams XR™** - Camber kits for domestic and imported vehicles with two bolt non-slotted struts. Sizes include 12mm, 14mm, 15mm, 16mm and 17mm. **#82160 - 2 kits included, #81250, #81270, #81280 and #81290 - 1 kit included**
- 71720, 71721, 71722, 71723, 71724, 71730, 71731, 71733** Each kit contains two cam bolt assemblies, enough for both sides of the vehicle.
- 72055** **Chrysler and Dodge Mini Van Rear** Camber and Toe Shims. The shim you need to align this very popular platform. **1 of each shim included**
- 87365** **Nissan/Infiniti Rear Camber/Toe Kit.** **1 kit included**
- Ford, Mercury, Lincoln Front Camber Adjustment Bolt.** **2 kits included**

88270

LIGHT TRUCK/SUV BOARD

This board set includes the most popular parts for aligning today's trucks and SUVs. Don't be caught without the part that you need. **Shipped with our polymer display board.**

BOARD INCLUDES THE FOLLOWING:

- 21080** **Leaf Spring Silencer™** - Replaces missing or deteriorating OE spring silencer pads. (1)
- 25435** **Toyota 4Runner/Tacoma** - Front Camber Bolts for Toyota small truck platforms. (1)
- 82380** **Jeep Pinion Angle Adjusters** - For TJ Series Jeeps, Grand Cherokees & Ram Trucks. (1)
- 86250** **Ford F150 Camber/Caster Cam Bolt Kit** - Front kit for the 2004 & Up F150s (2)
- 86320** **GM 1/2 & 3/4 Ton Cam Lock Plates** - For 2002 & Up C & K 1500, 2500 and 3500s. (1)
- 86325** **GM 1/2 & 3/4 Ton Alignment Pins** - For 2002 & Up C & K 1500, 2500 and 3500s. (1)
- 86375** **GM Front Alignment Kit** - For 2002 - Up C & K 1500, 2500 & 3500s, Express Vans. (1)
- 86640** **Expedition Front Kit** - For 2002 & Up Expeditions & 2003 & Up Navigators. (1)
- 87385** **Ford F150 Front Camber** - Cam bolt assemblies for 1997 - 03 F150s and F250(LD)s. (1)
- 87400** **GM RWD & 4WD Camber/Caster Kit** - For 1988 - 99 C & K 1500, 2500 and 3500s. (1)
- 87420** **GM Rear Cam Nut** - Cams for 2005 & Up Theta Platforms, including Suzuki XL-7s. (2)
- 87500** **Ford Explorer Front Cam/Cas Kit** - For 1995 - 01 Explorers, 1998 & Up Rangers. (1)
- 87520** **Nissan Camber/Caster Kit** - For 2004 & Up Titan, and 2005 & Up Pathfinder, Xterra. (1)

Also available - our new Tool Board Set (Part No. 87910) on page 116 - Set up your alignment shop with the tools you need to get going.

88700

EZ SHIM™ BOARD SET

Full coverage of our Blue, Grey and NEW Yellow EZ Shims, plus the tools needed to complete the installation. Hanging board allows for better inventory control.

BOARD INCLUDES:

- 88120** 23-1/2"x 32" Board w/ hooks
- 75200** EZ Shims™ - Blue (6)
- 75400** EZ Shims™ - Grey (6)
- 75600** EZ Shims™ - Yellow (6)
- 75910** EZ Shim™ Dial Chart (1)
- 75915** EZ Shim™ Cutter (1)
- 75920** EZ Shim™ Marker (1)

BUILD A TOTAL WHEEL ALIGNMENT CUSTOM INVENTORY CONTROL BOARD ANY WAY YOU LIKE IT...

Our complete line of alignment parts may now be displayed in any grouping you would like on a custom inventory control board. The requirements consist of purchasing a minimum of 12 part numbers (excluding SLA shims) of your choice. You select the product, we will package the board, hooks and labels for you to customize your board set. Just copy the form below and mail or fax it to your local distributor, or to Specialty Products for us to forward to your closest distributor. **The board, hooks and labels are *no charge* when 12 different part numbers are purchased.**



DATE _____ PHONE _____ YOUR P.O. NUMBER _____

Bill To:

Ship To:

CUSTOM INVENTORY CONTROL BOARD NO. 88120 - LAYOUT FORM.

Write our part number in the boxes below and the quantity you would like. Each space can hold up to 3 items. Order up to 20 part numbers OR up to 30 truck sleeve part numbers.

Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Additional Part No. (Truck Sleeves Only) _____ Qty. _____ (Up to three)
Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Additional Part No. (Truck Sleeves Only) _____ Qty. _____ (Up to three)
Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Additional Part No. (Truck Sleeves Only) _____ Qty. _____ (Up to three)
Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Additional Part No. (Truck Sleeves Only) _____ Qty. _____ (Up to three)
Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Part No. _____ Qty. _____ (Up to three)	Additional Part No. (Truck Sleeves Only) _____ Qty. _____ (Up to three)
Additional Part No. (Truck Sleeves Only) _____ Qty. _____ (Up to three)	Additional Part No. (Truck Sleeves Only) _____ Qty. _____ (Up to three)	Additional Part No. (Truck Sleeves Only) _____ Qty. _____ (Up to three)	Additional Part No. (Truck Sleeves Only) _____ Qty. _____ (Up to three)	Additional Part No. (Truck Sleeves Only) _____ Qty. _____ (Up to three)

Board Dimensions: 23-1/2" x 32". May be hung horizontally or vertically.

IMPORTANT: YOUR PHONE NUMBER, IN CASE WE HAVE QUESTIONS ABOUT YOUR ORDER:

HOW TO USE THIS ORDER FORM:

- COPY THIS FORM ON YOUR COPY MACHINE.**
- Choose at least 12 parts from any* listed in our current catalog and get the board, hooks & labels **FREE!** Remember - They need to fit on our Custom Control Board.
- Write the part number and quantity needed in the spaces indicated on the board layout.
- Assign a purchase order number to this order, fill in your company name and address(es), then mail or fax it to your distributor or fax to 1-303-772-1918 and Specialty Products will forward it to your closest distributor.
- Product indicated will be shipped with each Custom Inventory Control Board unless requested differently by customer.

* Some exclusions do occur, please call for more information.

Parts

10408



M10 X 1.5 X 40 SET OF 8 BOLTS

Contains 8 M10 x 1.5 x 40mm allen head rear hub bolts to be used with the rear shims when needed. Use with EZShims (pg 75) and nylon shims (pg 69).

21080

LEAF SPRING SILENCER™

Replaces Missing or Deteriorating OE Leaf Spring Isolator Pads - set of 4 Silencers

SPC's Leaf Spring Silencer™ is the best aftermarket solution for stopping the 'clunk' when leaf spring equipped trucks go over bumps, railroad tracks and curbs. These rings slide easily over the overload spring and fit spring sizes of 2-3/4" to 3-1/2". Most Ford, Dodge and GM Trucks and full-size SUVs have had the factory noise reduction pads fall off or weren't equipped with them, so SPC's Leaf Spring Silencer™ is the perfect solution for millions of vehicles on the road today. Packaged in a set of 4, enough for one truck or SUV.

Installation time: .3 hr/vehicle

Required: 1 per axle

APPLICATIONS

All leaf springs equipped Trucks and SUVs with overload springs - For spring widths from 2-3/4" to 3-1/2"



Perfect for DIY!



Before - the 'stock' isolator pads fall off, allowing the leaf spring to 'bang' over bumps.



After - the Leaf Spring Silencer™ slides easily over the lower leaf spring - creating a silent cushion.

ToyTec, specializing in off-road mods for Toyotas, provides their off-road customers what they want: a great off-road vehicle, which will behave properly on-road. After lifting Toyota trucks and SUVs ToyTec found that the factory alignment adjustments weren't giving them the amount of change needed for both uses. With Specialty Products' line of Toyota adjustable upper control arms, they can give their customers back the handling and tracking they expect while retaining OEM strength and functionality.



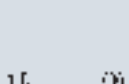
Parts Sleeve Installation Chart

The illustrations below show where to position the slot in the sleeve to get the amount of camber, caster or both needed. Positions 1, 2, 3 & 4 will change camber/caster the amount stamped on the sleeve. Positions 5, 6, 7 & 8 will change the camber/caster by the following amounts:

FOR SLEEVES:

23000	23100	23120
23130	23180	23220
	23230	

DEGREE	CHANGE	DEGREE	CHANGE	DEGREE	CHANGE	DEGREE	CHANGE
1/4	3/16	3/4	17/32	1-1/4	7/8	1-3/4	1-7/32
1/2	11/32	1	11/16	1-1/2	1-1/16	2	1-13/32

Sleeve Installation Chart – Slot in sleeve shows direction top of wheel will move								FRONT OF VEHICLE
LEFT/RIGHT WHEEL		LEFT/RIGHT WHEEL		LEFT/RIGHT WHEEL		LEFT/RIGHT WHEEL		
 1 (+) CAMBER	 3 (+) CASTER	 5 (+) CAMBER/CASTER	 7 (-) CAMBER (+) CASTER					
 2 (-) CAMBER	 4 (-) CASTER	 6 (+) CAMBER (-) CASTER	 8 (-) CAMBER/CASTER					

Front Adjustment range:
Camber/Caster $\pm 25^\circ$ to $\pm 1.50^\circ$
Installation time: .5 hr/side Req.: 1 per wheel

APPLICATIONS

Jeep 4WD: All 1/2 and 3/4 ton 4WDs w/ball joint suspensions up to 1992, except 1984 - 89 downsize

Chevrolet/GMC 4WD: 1970 - 87 K5, K10, K10, Blazer 1970 - 91 Suburban 1988 - 91 V10, V20, V1500, V2500

Dodge/Plymouth 4WD: All 1/2 and 3/4 ton 4WDs w/ball joint suspensions through 1993

Ford 4WD: All 1/2 and 3/4 ton 4WDs w/ball joint suspensions through 1979

International 4WD: All 1/2 and 3/4 ton 4WDs w/ball joint suspensions

4WD BUSHING

This sleeve changes camber and caster on many older model trucks and SUVs with ball joint suspensions. 4169 spanner socket is required for sleeve removal. Rotate sleeve to fine tune camber/caster adjustment.

Part No.	Total Change
23002	.25° (1/4°)
23004	.50° (1/2°)
23006	.75° (3/4°)
23008	1.00° (1°)
23010	1.25° (1-1/4°)
23012	1.50° (1-1/2°)

23000 SERIES



 **4169 - Spanner Socket, pg 117**

Front Adjustment range:
Camber/Caster $\pm 25^\circ$ to $\pm 2.75^\circ$
Installation time: .5 hr/side
Required: 1 per wheel

APPLICATIONS

Ford 4WD:

1980 - 98 F250, F350
1980 - 03 E250, E350, E450,
Bronco - Full Size
1980 - 96 F150, F250 (L/D)

**Adjustable Sleeve available,
Part No. 24130 - page 54**

 **77880 - Puller, pg 125**
88830 - Puller, pg 128

4WD CAM/CAS SLEEVES

Change camber, caster or both at the same time with these sleeves. Simply remove the tire, cotter pin and upper ball joint stud nut and break the taper free between the stud and sleeve. Using a sleeve puller, remove the existing sleeve. *Install zero degree sleeve 23109 to determine the change needed, then install the correct sleeve.* To adjust, the sleeve may be lifted and rotated 1/8 turn.

Set 23100 contains 1 each: 23101, 23102, 23103, 23104, 23105, 23106, 23107, 23108, 23109

Part No.	Total Change	Part No.	Total Change
23101	.25° (1/4°)	23107	1.75° (1-3/4°)
23102	.50° (1/2°)	23108	2.00° (2°)
23103	.75° (3/4°)	23109	0.00° (0°)
23104	1.00° (1°)	23111	2.25° (2-1/4°)
23105	1.25° (1-1/4°)	23112	2.50° (2-1/2°)
23106	1.50° (1-1/2°)	23113	2.75° (2-3/4°)

23100 SERIES



Check out our cutting edge off-road suspension solutions in our Off Road Section (page 107). Featuring the JounceShock™ which will maximize the capacity and performance of all types of suspensions.

LIGHT RACING

Parts

23120 SERIES

4WD CAM/CAS SLEEVES

Change camber, caster or both at the same time with these sleeves. Simply remove the tire, cotter pin and upper ball joint stud nut and break the taper free between the stud and sleeve. Using a sleeve puller, remove the existing sleeve. *Install zero degree sleeve 23129 to determine the change needed, then install the correct sleeve.* To adjust, the sleeve may be lifted and rotated 1/8 turn.

Set 23120 contains 1 each: 23121, 23122, 23123, 23124, 23125, 23126, 23127, 23128, 23129

Part No.	Total Change	Part No.	Total Change
23121	.25° (1/4°)	23126	1.50° (1-1/2°)
23122	.50° (1/2°)	23127	1.75° (1-3/4°)
23123	.75° (3/4°)	23128	2.00° (2°)
23124	1.00° (1°)	23129	0.00° (0°)
23125	1.25° (1-1/4°)		

Front Adjustment range:
Camber/Caster $\pm .25^\circ$ to $\pm 2.00^\circ$
Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Ford 4WD:

1983 - 89 Bronco II
1990 (Early) Bronco II
1983 - 89 Ranger

Sleeve Installation Chart -
See page 49

Adjustable Sleeve available,
Part No. 24120 - page 54

 **77880 - Puller, pg 125**
88830 - Puller, pg 128

23130 SERIES

4WD & RWD SLEEVES

Change camber, caster or both at the same time with these sleeves. Simply remove the tire, cotter pin and upper ball joint stud nut and break the taper free between the stud and sleeve. Using a sleeve puller, remove the existing sleeve. *Install zero degree sleeve 23139 to determine the change needed, then install the correct sleeve.* To adjust, the sleeve may be lifted and rotated 1/8 turn.

Set 23130 contains 1 each: 23131, 23132, 23133, 23134, 23135, 23136, 23137, 23138, 23139

Part No.	Total Change	Part No.	Total Change
23131	.25° (1/4°)	23136	1.50° (1-1/2°)
23132	.50° (1/2°)	23137	1.75° (1-3/4°)
23133	.75° (3/4°)	23138	2.00° (2°)
23134	1.00° (1°)	23139	0.00° (0°)
23135	1.25° (1-1/4°)		

Front Adjustment range:
Camber/Caster $\pm .25^\circ$ to $\pm 2.00^\circ$
Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Ford 4WD:

1997 - 98 F250 (H/D)
1999 - 04 F250, F350, F450, F550
Super Duty
2000 - 05 Excursion
1992 - 98 F350 Crew Cab

Ford RWD:

1999 - 04 F450, F550 Super Duty

Dodge 4WD:

1994 - 99 BR2500, BR3500

Dodge RWD:

1994 - 02 BR3500 w/Mono Beam

Sleeve Installation Chart -
See page 49

 **77880 - Sleeve Puller, pg 125**
88830 - Sleeve Puller, pg 128

Adjustable Sleeve available,
Part No. 24130 - page 54

23160 SERIES

FORD RWD CAMBER SLEEVE

The 23160 series changes camber only from 1/4° up to 2° Remove the upper ball joint stud nut and break taper free between the stud and sleeve. Calculate change needed and install correct sleeve. Sleeve may be rotated to fine tune camber adjustment.

Set 23160 contains 1 each: 23161, 23162, 23163, 23164, 23165, 23166, 23167, 23168

Part No.	Total Change
23161	.25° (1/4°)
23162	.50° (1/2°)
23163	.75° (3/4°)
23164	1.00° (1°)
23165	1.25° (1-1/4°)
23166	1.50° (1-1/2°)
23167	1.75° (1-3/4°)
23168	2.00° (2°)

Front Adjustment range:
Camber $\pm .25^\circ$ to $\pm 2.00^\circ$
Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Ford RWD:

1983 - 88 Ranger
1986 - 88 Bronco II
1980 - 83 F100 w/ball joint suspension
1980 - 86 F150 w/ball joint suspension

23160 Sleeve Installation Chart

LEFT/RIGHT WHEEL LEFT/RIGHT WHEEL



FRONT OF VEHICLE



Adjustable Sleeve available,
Part No. 24160 - page 54

Do you specialize in Heavy Duty Trucks or maintain a truck fleet?
Check out our complete Heavy Duty Truck Section on pages 97-106.

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Call for your nearest distributor, product info or
Technical Assistance • In the USA and Canada

www.specprod.com

Front Adjustment range:
Camber/Caster $\pm 0.25^\circ$ to $\pm 3.50^\circ$
Installation time: .5 hr/side
Required: 1 per wheel

APPLICATIONS

Ford RWD:

1987 - 96 F150, F250 (L/D)
1999 - 04 F250, F350 Super Duty
1987 - 98 F350, 2000 - 05 Excursion
1989 - 90 Bronco II
1992 & Up E150, E250, E350, E450
1991 - 94 Explorer, 1989 - 97 Ranger

Mazda RWD:

1991 - 97 Navajo, Pickup

Ford 4WD:

1991 - 94 Explorer
1990 - 97
Ranger

Mazda 4WD:

1991 - 97
Navajo, Pickup



77880 - Puller, pg 125
88830 - Puller, pg 128
87175 - Socket, pg 128

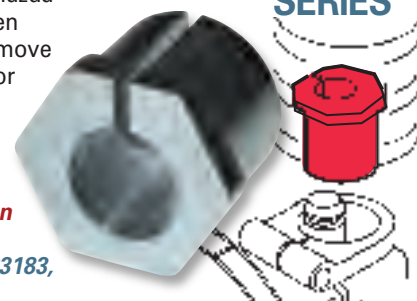


CAMBER/CASTER SLEEVES

These popular sleeves are widely used to adjust caster and/ or camber on many Ford and Mazda RWD & 4WD trucks. To install, simply loosen and remove upper ball joint pinch bolt. Remove top snap ring if one is present. Use 77880 or 88830 sleeve puller to remove the existing sleeve. *To save time during alignment, use* **23199** *zero degree sleeve to determine initial readings, then install correct sleeve.*

Note: Sleeves adjust to a smaller degree on Ford and Mazda 4WD light trucks/SUVs.

Set 23180 contains 1 each: 23181, 23182, 23183, 23184, 23185, 23186, 23187, 23188, 23199



Series Part No.	RWD		4WD		Series Part No.	RWD		4WD	
	Adjustments Total change		Adjustments Total change			Adjustments Total change		Adjustments Total change	
23181	.25° (1/4°)		.20°		23188	2.00° (2°)		1.40°	
23182	.50° (1/2°)		.40°		23189	2.25° (2-1/4°)		1.60°	
23183	.75° (3/4°)		.60°		23190	2.50° (2-1/2°)		1.80°	
23184	1.00° (1°)		.75°		23191	2.75° (2-3/4°)		2.00°	
23185	1.25° (1-1/4°)		.90°		23192	3.00° (3°)		2.25°	
23186	1.50° (1-1/2°)		1.10°		23193	3.25° (3-1/4°)		2.50°	
23187	1.75° (1-3/4°)		1.25°		23194	3.50° (3-1/2°)		2.75°	

Sleeve Installation Chart - See page 49

23199 0.00° (0°)

Adjustable Sleeve available, Part No. 24180 - page 54

Front Adjustment range:
Camber/Caster $\pm 0.25^\circ$ to $\pm 2.50^\circ$
Installation time: .5 hr/side
Required: 1 per wheel

APPLICATIONS

Ford 4WD: 2005 & Up F250, F350 Super Duty

Ford RWD:

2005 & Up F250, F350
Solid Axle,
F350 Coil Spring

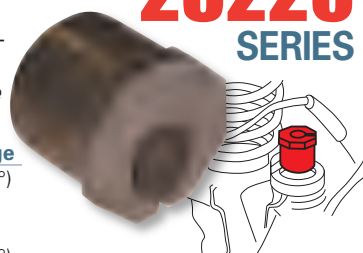


FORD F250, F350 SLEEVES

Ford changed the axle design in 2005 on their Heavy Duty trucks. These sleeves correct camber and caster on these F250 and F350 Super Duty trucks. *Use the* **23229** *zero degree sleeve to determine the amount of change needed.*

Part No.	Total Change	Part No.	Total Change
23221	.25° (1/4°)	23227	1.75° (1-3/4°)
23222	.50° (1/2°)	23228	2.00° (2°)
23223	.75° (3/4°)	23229	0.00° (0°)
23224	1.00° (1°)	23211	2.25° (2-1/4°)
23225	1.25° (1-1/4°)	23212	2.50° (2-1/2°)
23226	1.50° (1-1/2°)		

Sleeve Install. Chart - pg 49



Adjustable Sleeve available, Part No. 24220 - page 54

Front Adj. range:
Camber/Caster $\pm 0.25^\circ$ to $\pm 2.00^\circ$
Installation time: .5 hr/side
Required: 1 per wheel

APPLICATIONS

Ford RWD/4WD: 2005 & Up
F450, F550 Coil Springs

Chevy/GMC 4WD: 2005 & Up
Kodiak K4500, Topkick K5500

1-1/2 & 2 TON SLEEVES

These camber/caster sleeves correct alignment problems on these F450 and F550 Super Duty trucks. *Use the* **23239** *zero degree sleeve to determine the amount of change needed.*

Part No.	Total Change	Part No.	Total Change
23231	.25° (1/4°)	23236	1.50° (1-1/2°)
23232	.50° (1/2°)	23237	1.75° (1-3/4°)
23233	.75° (3/4°)	23238	2.00° (2°)
23234	1.00° (1°)	23239	0.00° (0°)
23235	1.25° (1-1/4°)		

Sleeve Install. Chart - pg 49



Adjustable Sleeve available, Part No. 24230 - page 54

Front Adjustment range (Fixed):
23268 Camber +.50 Caster +2.3
23269 Camber +.30 Caster +2.6
Installation time: .5 hr/side
Required: 1 per wheel

APPLICATIONS

Ford 4WD: 2005 & Up F250, F350 Super Duty

FIXED CHANGE FORD SUPER DUTY SLEEVES

These sleeves have a fixed positive camber and caster change and are designed specifically to align trucks that have been lifted or to provide more caster change than our 23220 series.

For maximum drivability and to compensate for road crown, use a **23268** on the driver's side and a **23269** on the passenger's side.



23268
23269

Parts

23410

JEEP ADJ. BALL JOINT

This adjustable ball joint restores proper alignment on lifted Grand Cherokees and Commanders. Our new heavy duty design allows for increased articulation over the OEM ball joint, and ensures proper function and adjustability for the life of the vehicle. **Kit may be used on stock height or lowered vehicles by installing the included Jounce Spacers. The spacers must be installed to prevent the ball joint from contacting the inner fender when the suspension is fully compressed.**

Front Adjustment range:

Camber $\pm 1.5^\circ$

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

Jeep: 2006 & Up Commander
2005 & Up Grand Cherokee



72509 - Ball joint press, pg 123

23510 - 23540

BALL JOINTS

Change caster and camber with this off-set ball joint that replaces the OEM ball joint. Use Installation Sleeve set **23580** in

conjunction with **72509** Ball Joint Press for removal and installation of all ball joints.

23510 Cam/Cas $\pm .50^\circ$ **23520** Cam/Cas $\pm 1.00^\circ$

23530 Cam/Cas $\pm 1.50^\circ$ **23540** Cam/Cas $\pm 2.00^\circ$

Installation time: 1.0 hr/side Req.: 1 per wheel

APPLICATIONS

Jeep RWD/4WD: 1984 - 01 Cherokee, Comanche
1987 & Up Wrangler, 1984 - 96 Downsize Wagoneer
1990 - 96 Renegade, 1993 - 04 Grand Cherokee

Dodge 4WD: 1994 - 01 BR1500 & BR2500 (L/D)



23580 - Ball joint press sleeves, pg 117

72509 - Ball joint press, pg 123

23600

LH REPLACEMENT SLEEVE

This adjustable sleeve replaces the knurled tie rod adjusting sleeve on 1998 - 04 Chrysler LH bodies. Recommended when the existing sleeve has been damaged or if the tie rod end is being replaced so adjustments can be made easily.



55600, 55700 - LH Toe Tools, pg 121

Front Replacement Part

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Chrysler: 1998 - 04 300M,
Concorde, LHS

Dodge: 1998 - 04 Intrepid

23710 - 23730

DODGE BALL JOINTS

These offset ball joints replace the upper ball joint on late model Dodge Trucks. They come in $1/2^\circ$ increments and provide for independent wheel caster and/or camber changes up to $1-1/2^\circ$. Use installation sleeve set **23780** in conjunction with ball joint press **72509** for quick removal and installation of the ball joints.



23780 - Bushing Sleeves, pg 117

72509 - Ball Joint Press, pg 123

23710 Camber/Caster $\pm .50^\circ$

23720 Camber/Caster $\pm 1.00^\circ$

23730 Camber/Caster $\pm 1.50^\circ$

Installation time: 1.0 hr/side

Required: 1 per wheel

APPLICATIONS

Dodge 4WD: 2000 - 02 BR2500,
BR3500

23755 23765

4WD & RWD DODGE TRUCK CAMBER/CASTER KITS (2)

These heavy duty bolts and brackets replace the upper control arm mounting bolts giving you both camber and caster adjustment.

Kit includes 2 cam and bolt sets to cover one side of the vehicle.

Front Adjustment range:

Camber $\pm 1.00^\circ$ Caster $\pm 1.50^\circ$

Installation time: .3 hr/side

Required: 1 kit per wheel

APPLICATIONS

23755 2 cam/bolt sets

Dodge 4WD: 2002 - 05 DR1500

23765 2 cam/bolt sets

Dodge RWD: 2002 - 05 DR1500

- 23800*** Camber/Caster 0.0°
23810 Camber/Caster ±.50°
23820 Camber/Caster ±1.00°
23830 Camber/Caster ±1.50°

Installation time: 1.0 hr/side

Required: 1 per wheel

APPLICATIONS

Dodge 4WD: 2003 & Up DR2500, DR3500

** Note: 23800 is an OEM Replacement Ball Joint with no change in camber or caster.*

DODGE BALL JOINTS

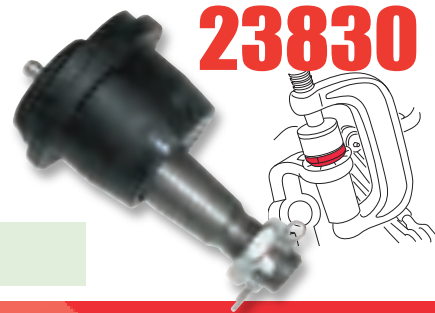
These offset ball joints replace the upper ball joint on late model Dodge Trucks. They come in 1/2° increments and provide for independent wheel caster and/or camber changes up to 1-1/2°. Use installation sleeve set **23780** in conjunction with ball joint press **72509** for quick removal and installation of the ball joints.



23780 - Bushing Sleeves, pg 117

Parts

23800 - 23830



- 23850*** Camber/Caster 0.0°
23852 Camber/Caster ±.50°
23854 Camber/Caster ±1.00°

Installation time: 1.0 hr/side Req.: 1 per wheel

APPLICATIONS

Dodge 4WD/RWD:

(CAMBER CHANGE ONLY ON 4WD)

2008 & Up 4500, 5500

Sterling Bullet 4WD/RWD:

(CAMBER CHANGE ONLY ON 4WD)

2008 & Up 4500, 5500

** Note: 23850 is an OEM Replacement Ball Joint with no change in camber or caster.*

DODGE PIN JOINTS

These HD 'King Pin' style joints replace the original sliding-ball design upper joints on late-model medium duty Dodge trucks and rebadged Sterling Bullets. They provide independent adjustment up to 1.0° of camber or caster change (camber only on 4WD models due to outboard axle seals) to correct camber or cross-camber issues or to add caster on RWD models for improved tracking.

23850 - 23854



Installation time: .6 hr/side Req.: 1 per wheel

23940 Camber ±2.25° **OR**

Caster ±2.25°

APPLICATIONS

Dodge/Ram 4WD/RWD:

2006 & Up Ram 1500

23960 Camber ±3.00°/Caster ±3.00°

APPLICATIONS

Chevy/GMC 4WD/RWD: (With 8 Lug Wheels)

2001 - 10 Silverado / Sierra pickups 1500HD, 2500HD, 3500

2000 & Up Suburban 2500

2002 - 06 Avalanche 2500

Hummer 4WD/RWD:

2002 - 09 H2 / H2 SUT



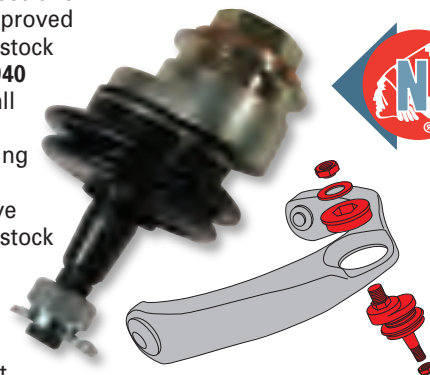
72509 - Ball Joint Press, pg 123



TRUCK/SUV ADJUSTABLE BALL JOINTS

Bring camber back into spec and add positive caster for improved tracking on your lifted or stock trucks and SUVs. Our **23940** Dodge/Ram adjustable ball joint gives you the extra range you need when lifting or lowering their popular 1500 Ram Trucks. Improve your tracking on lifted or stock GMT800 and GMT900 based Chevy/GMC heavy duty trucks or SUV (with 8 lug wheels) with our **23960** adjustable ball joint.

23940 23960



SPC and Raging Bull Marketing have teamed up on many exciting show and go vehicles. From some of the most recognized and award winning show vehicles to the current Raptor project, our partnership has seen it all.

This year SPC worked with Dara and Jason Flowers of RBM, on one of the most popular new trucks in the market - a 2011 Ford Raptor. With JounceShocks™ on all 4 corners, this off-road racer is ready for anything, from the most challenging off-road courses to hauling RBM's other show vehicles.

For more about RBM go to www.tunedbyrbm.com.

Parts

Adjustable Sleeves

Inventory getting out of hand? Just need to fill in a few odd sizes? An Adjustable Sleeve may be just what you need. These sleeves can adjust camber and/or caster in a large variety of combinations. A great solution for saving money and keeping sales.

24120



We have Fixed Sleeves for these Apps, Part No. 23120 - page 50

Replaces up to 5 stock sleeves.

Front Adjustment range: Camber/Caster $\pm 1.00^\circ$ to $\pm 2.75^\circ$

Minimum Adjustment $\pm 1.00^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

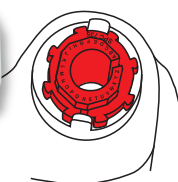
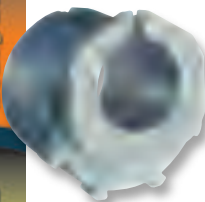


74500 - Adjustable Sleeve Wrench, pg 123

APPLICATIONS

Ford 4WD: 1983 - 89 Bronco II, Early 1990 Bronco II
1983 - 89 Ranger

24130



We have Fixed Sleeves for these Apps, Part Nos. 23100 - page 49 & 23130 - page 50

Replaces up to 24 stock sleeves.

Front Adjustment range: Camber/Caster $\pm .75^\circ$ to $\pm 2.75^\circ$

Minimum Adjustment $\pm .75^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

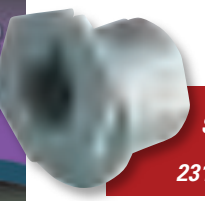


74500 - Adjustable Sleeve Wrench, pg 123

APPLICATIONS

Ford 4WD: 1980 - 96 F150, F250 (L/D)
1980 - 88 F250, F350, 1980 - 03 E250, E350, E450, full size
Bronco with ball joints, 1997 - 98 F250 (H/D)
1999 - 04 F250, F350, F450, F550 Super Duty
1992 - 98 F350 Crew Cab, 2000 - 05 Excursion
Ford RWD: 1999 - 04 F450, F550 Super Duty
Dodge 4WD: 1994 - 99 BR2500, BR3500
Dodge RWD: 1994 - 02 BR3500 w/Mono Beam

24160



We have Fixed Sleeves for these Apps, Part No. 23160 - page 50

Replaces up to 8 stock sleeves.

Front Adjustment range: Camber 0.0° to $\pm 2.25^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

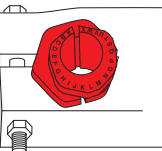


74400 - Adjustable Sleeve Wrench, pg 123

APPLICATIONS

Ford RWD: 1983 - 88 Ranger
1986 - 88 Bronco II, 1980 - 83 F100 w/ball joint suspension
1980 - 86 F150 w/ball joint suspension

24180



We have Fixed Sleeves for these Apps, Part No. 23180 - page 51

Replaces up to 9 stock sleeves.

Front Adjustment range: Camber/Caster $\pm .50^\circ$ to $\pm 2.25^\circ$

Minimum Adjustment $\pm .50^\circ$

Installation time: .5 hr/side

Required: 1 per wheel



74400 - Adj. Sleeve Wrench, pg 123
74500 - Adj. Sleeve Wrench, pg 123

APPLICATIONS

Ford RWD: 1987 - 98 F350, 2000 - 05 Excursion
1987 - 96 F150, F250 (L/D), 1989 - 90 Bronco II
1992 & Up E150, E250, E350, E450, 1991 - 94 Explorer
1989 - 97 Ranger, 1999 - 04 F250, F350 Super Duty
Mazda RWD: 1991 - 97 Navajo, Pickup
Ford 4WD: 1991 - 94 Explorer, 1990 - 97 Ranger
Mazda 4WD: 1991 - 97 Navajo, Pickup

24220



We have Fixed Sleeves for these Apps, Part No. 23220 - page 51

Replaces up to 11 stock sleeves.

Front Adjustment range: Camber/Caster $\pm 2.50^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Ford 4WD: 2005 & Up F250, F350 Super Duty
Ford RWD: 2005 & Up F250, F350 Solid Axle/Coil Spring

24230



We have Fixed Sleeves for these Apps, Part No. 23230 - page 51

Replaces up to 10 stock sleeves.

Front Adjustment range: Camber/Caster $\pm 2.75^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Ford RWD/4WD: 2005 & Up F450, F550 Super Duty
Chevy/GMC 4WD: 2005 & Up Kodiak K4500, Topkick K5500

Front Adjustment range: Cam./Cas. $\pm 1.50^\circ$
 Installation time: .3 hr/side Req.: 1 per wheel

25430 APPLICATIONS

Toyota 4WD: 1995 - 04 Tacoma
Toyota RWD: 1998 - 04 Tacoma PreRunner
Toyota 4WD&RWD: 1996 - 02 4-Runner

25435 APPLICATIONS

Lexus AWD: 2003 - 09 GX
Toyota RWD: 2005 & Up Tacoma PreRunner
Toyota 4WD: 2005 & Up Tacoma
Toyota 4WD&RWD: 2007 - 09 FJ Cruiser
 2003 - 09 4Runner

25440 APPLICATIONS

Lexus AWD: 2010 & Up GX
Toyota 4WD&RWD: 2010 & Up FJ Cruiser
 2010 & Up 4Runner

TOYOTA CAM BOLT KIT

25430
25435
25440

This Cam Bolt Kit is a replacement kit for the OE adjusters. The OE bolts on Toyota trucks and SUV's are frequently "frozen" and do not allow for adjustment. Remove the frozen bolt assembly and replace it with an SPC cam kit to get up to $\pm 1\frac{1}{2}^\circ$ camber and caster change. OE adjuster assemblies that are severely corroded may require SPC's press tool 40915 for removal, making the job quick and easy.



40915 - Cam Extractor, pg 119



Front Adjustment range:
 Camber $\pm 2.00^\circ$ Caster 0.0° to $+4.00^\circ$
 Installation time: .8 hr/side Required: 1 per axle

25460 APPLICATIONS

Toyota 4WD: 1995 - 04 Tacoma
Toyota RWD: 1998 - 04 Tacoma PreRunner
Toyota 4WD&RWD: 1996 - 02 4-Runner

25470 APPLICATIONS

Toyota 4WD: 2005 & Up Tacoma
Toyota RWD: 2005 & Up Tacoma PreRunner

25480 APPLICATIONS

Lexus AWD: 2003 & Up GX
Toyota 4WD&RWD: 2007 & Up FJ Cruiser
 2003 & Up 4Runner

25490 APPLICATIONS

Toyota 4WD&RWD: 2007 & Up Tundra
 2008 & Up Sequoia

4WD & RWD TOYOTA FRONT UPPER ARMS

Pair 25460
Pair 25470
Pair 25480
Pair 25490

Many Toyota trucks and SUVs run out of factory adjustment when you install lift kits. With our patented design this upper control arm provides an additional $\pm 2^\circ$ of camber and 0° to $+4^\circ$ of caster change. Built with an OE style ball joint and new **SpecRide™** bushings, this arm is designed to correct alignment angles while maintaining factory ride quality. The hybrid tubular and forged steel design is tough enough to race - on or off-road. These remove and replace arms are available in pairs for lifted and off-road applications or individual left and right arms if just one corner needs adjustment.



Patent No.
 US 7,513,514 B

These arms feature our **NEW SpecRide™ Bushings**

SpecRide™ Proprietary Bushings Feature:

- Free moving pivot sleeve which eliminates failures caused by high travel suspensions
- Noise and vibration control
- Ozone, oil and alkaline resistant material



Check out our cutting edge off-road suspension solutions in our Off Road Section (page 107). Featuring the **JounceShock™** which will maximize the capacity and performance of all types of suspensions.



Front Adjustment range:
 Camber $\pm 2.00^\circ$
 Caster -1.0° to $+3.00^\circ$
 Installation time: .8 hr/side
 Required: 1 per axle

APPLICATIONS

Nissan: 2005 & Up Frontier
 2005 & Up Pathfinder
 2005 & Up Xterra

These arms feature our **SpecRide™ bushings** for a quieter, OEM style ride (see above).

NISSAN FRONT UPPER ARMS

Pair 25540

Lifted Nissans often run out of factory adjustment when lift kits are installed. Additionally, the OEM upper control arm can contact the frame, limiting droop travel and causing unwanted NVH. These heavy duty replacement arms feature DOM tubing construction and use the same patented adjustable ball joint and new **SpecRide™** bushings as the Toyota arms, allowing for greatly increased droop travel and easy alignment.



Patent No.
 US 7,513,514 B



28840**MERCEDES REAR BUSHINGS**

These adjustable bushings make rear camber change possible for many Mercedes vehicles. By replacing the outer bushing in the two rear upper control arms, you achieve up to $\pm 1.25^\circ$ of change. Stock bushings are easily removed using the Specialty Products #75990 bushing press adapters.

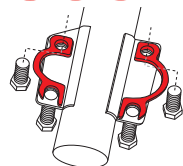


Rear Adjustment range: Camber $\pm 1.25^\circ$
 Installation time: .6 hr/side Req.: 1 per wheel

APPLICATIONS

Mercedes: 1994 - 00 C Class (W202)
 2001 - 07 C Class (W203)
 1996 - 02 E Class (W210)
 1986 - 95 E Class (W124)
 1998 - 02 CLK Class (W208)
 2003 - 08 CLK Class (W209)
 1999 - 02 SL Class (R129)
 1997 & Up SLK Class (R170, R171)

75990 - Ball joint press sleeves, pg 125
72509 - Ball joint press, pg 123

35075
35076**SPRINTER VAN FRONT ADJUSTER KIT**

These shim kits let you change front camber on Dodge, Freightliner and Mercedes Sprinter Vans.

Their unique design allows the technician to 'lock' the alignment settings. These shims install quickly and easily for time saving adjustments.

Front Adjustment range:
35075 Camber $\pm 1.0^\circ$ (fixed)
35076 Camber $\pm 2.0^\circ$ (fixed)

Installation time: .2 hr/side

Required: 1 kit per wheel

APPLICATIONS

Dodge: 2001 - 06 Sprinter Van
Freightliner: 2001 - 05 Sprinter Van
Mercedes: 1995 - 05 Sprinter Van

35080
SERIES**NISSAN CAM/CAS SHIMS**

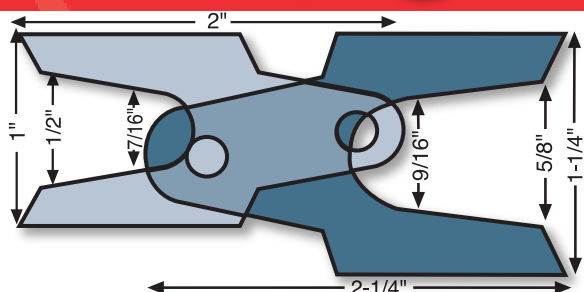
These shims install between the upper control arm mount and shaft to adjust Pathfinders and Pickups.

6 Shims per package

35080 - 1mm **35081** - 2mm
35082 - 4mm

FRONT APPLICATIONS

Nissan RWD & 4WD: 1986 - 97
 Pickup, 1987 - 95 Pathfinder

**Camber/Caster Duo-Fit**

APPLICATIONS: Buick, Chevrolet, Ford, Lincoln, Mercury, Pontiac, Oldsmobile

Part No.	Thick.	Opening	Qty
37100	1/64"	7/16" to 1/2"	25
37101	1/32"	7/16" to 1/2"	25
37102	1/16"	7/16" to 1/2"	25
37103	1/8"	7/16" to 1/2"	25

APPLICATIONS: AMC, Buick, Cadillac, Chevrolet, Lincoln, Oldsmobile, Pontiac, Trucks

Part No.	Thick.	Opening	Qty
37104	1/64"	9/16" to 5/8"	25
37105	1/32"	9/16" to 5/8"	25
37106	1/16"	9/16" to 5/8"	25
37107	1/8"	9/16" to 5/8"	25

Camber/ Caster Shim Sets**37150**
DUO-FIT SET

Filled with 200 shims - **25 each** of all Duo-Fit styles and sizes above (**37100 through 37107**). Handy chart inside the lid makes reordering and organization simple. Comes in a durable plastic case.

**47700** **SLA SET**

These camber/caster shims (above and next page) are now available in a corrugated box set to help you organize all of your shims. Covering both cars and trucks this set is perfect for inventory control.

Contains 50 Each: **37105, 37106, 37107, 47151, 47152, 47153, 47181, 47182, 47183, 47766, 47767, 47768, 47775, 47776, 47777**

**47170**
SERIES**CORVETTE TOE SHIMS**

These shims are designed to adjust rear toe on older Corvette models.

6 Shims per package

47171 - 1/32" **47172** - 1/16"
47173 - 1/8"

REAR APPLICATIONS

Chevrolet: 1963 - 82 Corvette

Parts

Camber/ Caster Shims

47142 - 47143 'BS'

Universal 1/2" slot shim	Part #	Thick.	Qty
	47142	1/16"	25
	47143	1/8"	25

47180 - 47184 'N'

Universal 1/2" slot shim	Part #	Thick.	Qty
	47180	1/64"	50
	47181	1/32"	50
	47182	1/16"	50
	47183	1/8"	50
	47184	3/16"	50

47150 - 47153 'US'

5/8" open. APPS.	Part #	Thick.	Qty
	47150	1/64"	50
	47151	1/32"	50
	47152	1/16"	50
	47153	1/8"	50

47760 - 47764 'X'

7/16" open. APPS.	Part #	Thick.	Qty
	47762	1/16"	50
	47763	1/8"	50
	47764	3/16"	50

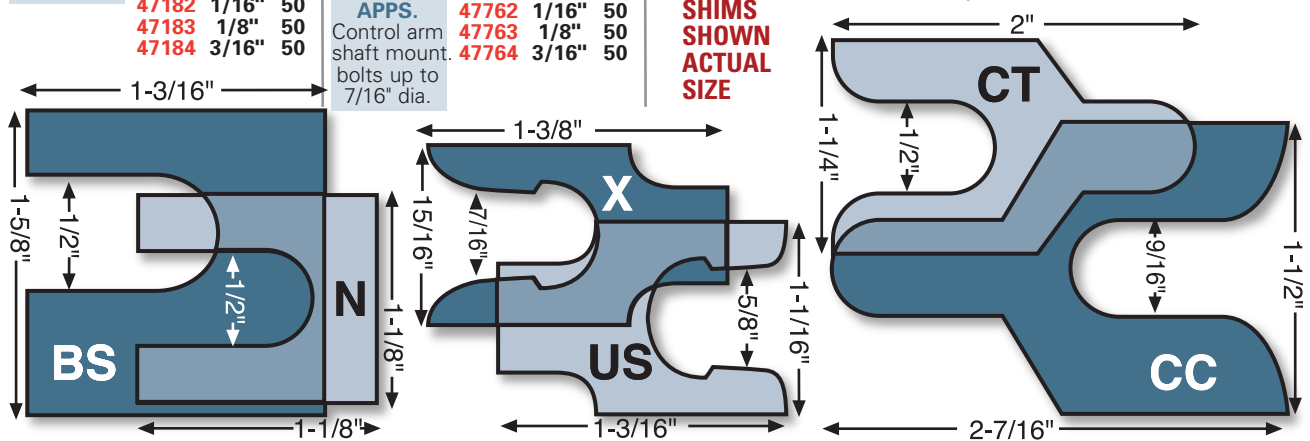
47765 - 47769 'CT'

1/2" open. for imports APPS.	Part #	Thick.	Qty
	47765	1/64"	50
	47766	1/32"	50
	47767	1/16"	50
	47768	1/8"	50
	47769	3/16"	50

47775 - 47778 'CC'

9/16" open. H/D Trucks APPS.	Part #	Thick.	Qty
	47775	1/32"	50
	47776	1/16"	50
	47777	1/8"	50
	47778	3/16"	25

Including 1/2 ton - 1 ton Chevrolet GMC trucks, HD service.



47240 - 1/32" 47241 - 1/16"
47242 - 1/8"

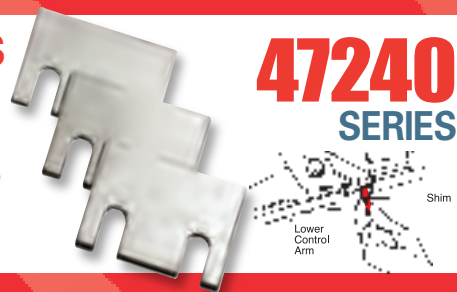
Adjustment range: 1/32" to 1/8"
Installation time: .3 hr/side

APPLICATIONS

Jeep: 1984 - 99 Cherokee
1986 - 94 Comanche

JEEP CASTER SHIMS

These shims provide positive caster changes on early model downsized Jeeps by installing them between the lower control arm and the frame bracket. Stackable for larger changes. **6 Shims per package**



Front Adjustment range:

Camber -.50° to +3.50°

Caster -1.00° to +2.00°

Installation time: .7 hr/side

Required: 1 per wheel

APPLICATIONS

Honda: 1996 - 00 Civic

FRONT CAMBER/CASTER CONTROL ARM

This OE type arm has a screw-type adjuster to easily and accurately change camber and caster while viewing live readings from the alignment machine. For stock height or lowered vehicles.

Comes completely assembled including ball joint, sliding plate, adjustment mechanism, and quiet, factory style, rubber bushings.



Replacement ball joint - #67245 available, page 62

Installation time: .5 hr/axle

Required: 1 kit per axle

63020 - 2-3/8" Width

APPLICATIONS

Vehicles with 2-3/8" wide to 2-3/4" wide leaf springs inc. 60mm, 65mm and 70mm leaf springs of import trucks. All passenger vehicles with rear leaf springs.

63030 - 3" Width

APPLICATIONS

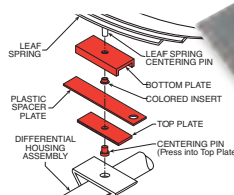
Vehicles with 3", 3-1/2" and 3-5/8" wide leaf springs including 80mm, 90mm, and 100mm wide leaf springs.

THRUST ALIGNMENT PLATE

Our patented thrust alignment plate will allow for corrections of setback and thrust angle on most vehicles with rear leaf springs. Installation is made by loosening the U-bolts holding the leaf spring to the axle, installing the alignment plate between the axle and leaf spring and re-tightening the U-bolts. Widths are available in 2-3/8" and 3", and each kit comes with multiple parts to provide coverage of most vehicles with rear leaf springs, including all early model passenger cars.

NOTE: Allow extra time for rusted bolts. New, longer U-Bolts may be required.

This is THE kit to correct Thrust Angle!



63020
63030

U.S. Patent #5,401,054 Canadian Patent #2,138,439

Parts

Applications
Parts
Heavy Duty
Off-Road
Racing
Tools
Accessories
Brake & CV
Gear/Index

66040 66045

CHRYSLER/ DODGE ARM

This adjustable front control arm fits these popular Dodge and Chrysler vehicles and provides both camber and caster changes. Easy to install and even easier to adjust this is the perfect kit for standard alignment issues as well as special suspension tuning problems that occur when you lower these vehicles for performance or appearance. Our tubular design incorporates our low-profile adjustable ball joint.

Patent No.
US 7,513,514 B

Tech Tips

Take advantage of our experience! "Tech Tip" articles written by our ASE certified mechanics can help you install a part. Go to www.specprod.com and look up your part online to check out the 'Tip' for these arms.

Front Adjustment range:

Camber $\pm 2.0^\circ$ Caster $\pm 1.5^\circ$

Installation time: .6 hr/side

Required: 1 per wheel

66040 APPLICATIONS

Chrysler: 2005 - 08 300C RWD

Dodge: 2005 - 08 Magnum RWD
2006 - 08 Charger RWD
2009 - 08 Challenger

66045 APPLICATIONS

Chrysler: 2009 & Up 300C RWD

Dodge: 2009 & Up Charger RWD
2009 & Up Challenger

Note: NOT for AWD vehicles.

66050

CHRYSLER/DODGE REAR CAMBER KIT

This kit combines our previous four kits into one - allowing adjustment of rear camber on the Chrysler LX platform cars regardless of model year and the complication that Chrysler used two different bushing sizes over the years. These "set-at-install" bushings can be clocked to provide up to ± 1.5 degrees of adjustment by replacing the outboard bushings on both upper control arms of all Chrysler LX-based cars regardless of aluminum or steel arm construction. By using the #66025 adapter along with the #40920 bushing press, these bushings can be installed without removing the control arms.

Rear Adjustment range:

Camber $\pm 1.50^\circ$

Installation time: .6 hr/side

Required: 1 kit per wheel

APPLICATIONS

Chrysler: 2005 - Up 300C

Dodge: 2005 & Up Magnum
2006 & Up Charger
2009 & Up Challenger

40920 - Performance Ball Joint Press, pg 119

66025 - Bushing Press Sleeves, pg 121

67010

NISSAN EZ ARM XR™

Our Nissan arm is for vehicles that have been lowered for performance and for those that retain the stock ride height. Simply replace the non adjustable OE arm with the EZ Arm XR, and you can adjust the rear camber.

*** For positive camber changes larger than 2.75° install two (2) EZ Arms™ on each side.**

Rear Adjustment range:

Camber -2.00° to $+2.75^\circ$ *

Installation time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

Nissan: 1985 - 94 Maxima
1987 - 92 Stanza

67015

CHRYSLER/DODGE EZ ARM XR™

This fully adjustable EZ Arm provides rear camber changes of $\pm 2.5^\circ$. From street to track our adjustable control arm offers simple installation and adjustment for optimal performance.



Rear Adjustment range:

Camber $\pm 2.50^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Chrysler: 2007 & Up Sebring

Dodge: 2008 & Up Avenger
2009 & Up Journey

1-800-525-6505

Call for your nearest distributor, product info or Technical Assistance • In the USA and Canada

www.specprod.com

Rear Adjustment range:
Camber -2.00° to +1.00°*

Installation time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

Chrysler: 1993 - 97 Concord, LHS,
New Yorker (FWD)

Dodge: 1993 - 97 Intrepid

Eagle: 1993 - 97 Vision

CHRYSLER LH EZ ARM XR™

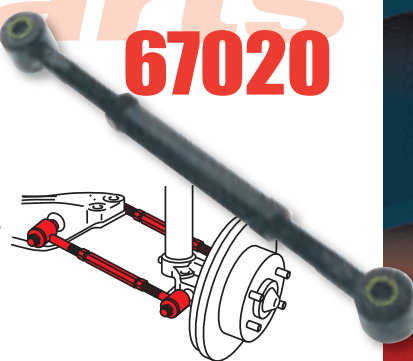
67020

Adjust rear camber on 1993 - 97 Chrysler LH Bodies with this control arm. Simply replace the non adjustable OE arm with the EZ Arm XR, and you can adjust the rear camber. For 1998 - 04 use #67080.

*** For positive camber changes larger than 1.00° install two (2) EZ Arms™ on each side.**



55600 - Check out our Rear Toe Tool for these LH Bodies - pg 121



Rear Adjustment range:
Camber ±3.50°

Installation time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

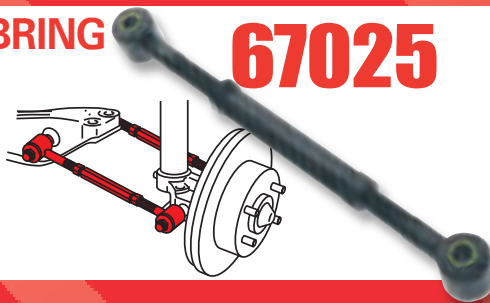
Chrysler: 2004 - 06 Sebring Sedan

Dodge: 2004 - 06 Stratus Sedan

STRATUS AND SEBRING EZ ARM XR™

67025

Adjust rear camber on 2004 - 06 Sebring and Stratus sedans up to 7° with this control arm. Simply replace the non-adjustable OE arm with the EZ Arm XR, and you can adjust the rear camber.



Rear Adjustment range:
Camber -2.00° to +5.00°

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Acura: 1990 - 01 Integra

Honda: 1988 - 00 Civic

1988 - 92 CRX

1992 - 97 Del Sol

1997 - 01 CR-V

HONDA/ACURA REAR EZ ARM XR™

67030

For popular Honda Civics and Acura Integras. These arms are for vehicles that retain the stock ride height or have been lowered for performance. Simply replace the OE arm with the EZ Arm XR, and you can adjust the rear camber from -2.0° to +5.0°.

NOTE: Some vehicles may need longer bolts when installing this arm. Use set #73415 found on page 74.



Rear Adjustment range:
Camber -2.00° to +3.50°

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Acura: 1992 - 94 Vigor

1996 - 97 2.2CL, 1996 - 98 2.5 & 3.2TL

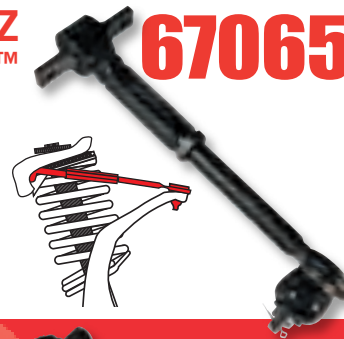
1998 - 99 2.3CL, 1996 - 99 3.0CL

Honda: 1990 - 97 Accord

HONDA/ACURA REAR EZ ARM XR™

67065

These arms correct rear camber on stock ride height vehicles and vehicles that have been lowered up to 1.5" with an adjustment range of -2.0° to +3.5°. 67065 comes with a non-directional ball joint preinstalled. (Extreme drops - use #67265 page 62). Replacement Ball Joint #67075 (page 60).



Rear Adjustment range:
Toe -1.00° to +1.50°

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Ford: 1991 - 94 Escort

Mercury: 1991 - 94 Tracer

ESCORT TOE ARMS

67070

A replacement arm to change toe from -1.0° to +1.5° on these Ford vehicles.

PART NO. 21030 REPLACEMENT SPINDLE BOLTS

For replacing rusted OE spindle to trailing arm bolts, fits 1991 - 94 Escorts and Tracers.



SPC offers all the parts we needed to get our WRX into shape. For a car that we knew was going to be driven hard we trust SPC's quality to hold up to anything we can throw at the car. -Motovicity Distribution



Parts

67075

REPLACEMENT BALL JOINT

This ball joint can be used for **67065** and **67265** EZ Arms XR™, as well as a replacement ball joint for several Honda and Acura vehicles.



40920 - Perf. Ball Joint Press, pg 119

We have adjustable ball joints for these vehicles and more - check them out on pages 61 and 63.

Rear/Front Replacement Part

Installation time: .6 hr/side Req.: 1 per wheel

APPLICATIONS

REAR Acura: 1992 - 94 Vigor, 1998 - 99 2.3CL
1996 - 97 2.2CL, 1996 - 99 3.0CL
1996 - 98 3.2CL, 1996 - 98 2.5TL

REAR Honda: 1990 - 97 Accord

FRONT Acura: 1999 - 08 TL, 1996 - 97 2.2CL
1998 - 99 2.3CL, 1996 - 99 3.0CL
2001 & Up 3.2CL

FRONT Honda: 1998 & Up Accord, 1989 - 92 CRX
1989 - 91 Civic, 1995 - 98 Odyssey

67080

CHRYSLER LH EZ ARM XR™

Adjust rear camber on 1998 to 2004 Chrysler LH Bodies with this control arm. Simply replace the OE arm with the EZ Arm XR, and you can adjust the rear camber.

** For positive camber changes larger than 1.0° install two (2) EZ Arms™ on each side.*



55700 - Check out our Front Toe Tool for these LH Bodies - pg 121

Rear Adjustment range:
Camber -2.00° to +1.00°*

Installation Time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

Chrysler: 1998 - 04 Concord
1998 - 04 LHS
1998 - 04 300M

Dodge: 1998 - 04 Intrepid

67090 67095

HONDA/ACURA REAR EZ ARM XR™

For many Hondas and Acuras, these arms have an O.E. style ball joint integrated into a complete arm assembly and they have a full 6° range of rear camber change with our turnbuckle adjustment system.

Rear Adjustment range:
Camber -2.00° to +4.00°

Installation Time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

67090 Acura: 2001 3.2CL
1999 - 03 3.2TL, 1996 - 08 3.5RL

Honda: 1998 - 02 Accord

67095 Acura: 2004 - 08 TL

67110

BMW REAR CAMBER ARM

For BMW E36 and E46 bodied vehicles this tubular style arm is great when lowering this popular vehicle, or for correcting rear camber on stock vehicles.

Rear Adjustment range: Camber -1.00° to +3.00°

Installation time: 1.3 hr/side Required: 1 per wheel

APPLICATIONS

BMW:

2000-06 3 Series Coupe and Convertible (46)
1999-05 3 Series Sedan and Wagon (E46)
1992-99 3 Series 318, 323, M3 (E36)
2003-08 3 Series Z4 (E85)

For high performance applications check out our billet aluminum arm (#72110) on page 71.

Dan Goodman has been involved in building and racing BMWs for over 10 years. He knows that when racing, precise tracking and handling can make the difference between celebrating in the winners circle or sitting in the trailer. SPC's upper adjustable strut mounts, adjustable rear lower arms and eccentric rear bushings can make any BMW a winner!

For Dan, 2011 included 6 wins, 3 second place finishes, and 3 new track records. Dan's hard work with the car development/suspension has paid off.



Adjustment range: Camber $\pm 1.50^\circ$

Installation time: .6 hr/side Required: 1 per wheel

APPLICATIONS FRONT

67115 **Ford:** 2006 & Up Fusion **Mazda:** 2003 - 08 Mazda6
Lincoln: 2006 Zephyr **Mercury:** 2006 & Up Milan
2007 & Up MKZ

67125 **Acura:** 2004 - 08TSX, 1996 - 97 2.2CL
1998 - 99 2.3CL, 1996 - 98 2.5TL, 1996 - 99 3.0CL
2001 - 04 3.2CL, 1999 - 03 3.2 TL
Honda: 1998 - 02 Accord, 1989 - 91 Civic/CRX
1995 - 98 Odyssey

67135 **Acura:** 1990 - 01 Integra, 1991 - 96 Legend
1996 - 98 3.2TL, 1996 & Up 3.5RL
Honda: 2003 & Up Accord, 1992 - 00 Civic
1992 - 94 Del Sol, 1997 - 02 Prelude

67145 **Honda:** 1990 - 97 Accord

67155 **Honda:** 1997 - 02 Prelude SH

67165 **Acura:** 1992 - 94 Vigor
Honda: 1992 - 96 Prelude, 1992 - 94 Prelude 4WS

67170 **Chrysler:** 1995 - 00 Sebring Coupe
Dodge: 1995 - 00 Avenger
Eagle: 1995 - 98 Talon
Mitsubishi: 1995 - 99 Eclipse, 1994 - 98 Galant

67180 **Chrysler:** 1995 - 00 Cirrus, 2001 - 06 Sebring 4 door
1996 - 06 Sebring Conv.
Dodge: 1995 - 06 Stratus 4 door
Plymouth: 1995 - 00 Breeze

67190 **Hyundai:** 2006 Azera, 1999 - 05 Sonata
2001 - 06 XG300, XG350
Kia: 2004 - 06 Amanti, 2001 - 06 Optima

67195 **Hyundai:** 2007 & Up Azera, 2006 & Up Sonata
Kia: 2006 & Up Amanti

APPLICATIONS REAR

67155 **Honda:** 1995 - 98 Odyssey

67165 **Honda:** 1992 - 02 Prelude

See our Adjustable Ball Joint for Honda S2000 below

See our Adjustable Ball Joint for Lexus on pg 65

ADJUSTABLE BALL JOINT

These adjustable upper ball joints make front camber adjustments for many vehicles with upper control arms. By replacing the factory ball joint, this sliding ball joint allows for greater changes than previously available. With an OE quality replacement ball joint, this sliding plate assembly is perfect for vehicles that have been lowered for performance, or retain the factory ride height. For changes greater than $\pm 1.5^\circ$ check out our Extended Range Ball Joints on page 63.

- **Best clearance in the industry**
- **Exclusive 'low-profile' design**
- **OEM strength built-in**
- **Preferred by professional installers**

 **40920 - Perf. Ball Joint Press, pg 119**



Rear Adjustment range:

1 Kit per Axle Toe Only $\pm 1.50^\circ$
2 Kits per Axle Toe $\pm 3.50^\circ$
Camber $\pm 3.50^\circ$

Required: 1 or 2 per Axle (above)

Installation time: .4 hr/side

APPLICATIONS

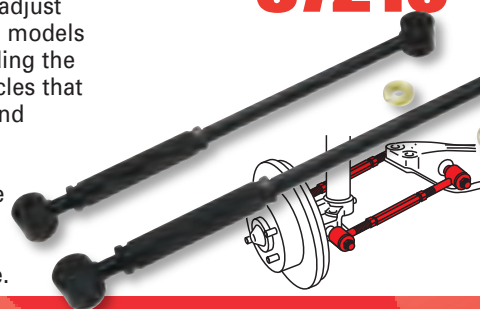
Dodge/Plymouth: 1994 - 06 Neon
Including SRT 4

Note: Each kit includes 2 arms

NEON EZ ARM XR™

This control arm makes it possible to adjust rear camber and toe on all production models of Dodge and Plymouth Neons, including the SRT 4. This arm may be used on vehicles that have been lowered for performance and appearance as well as vehicles that have retained their stock ride height. When two arms are used on each side you can change both camber and toe $\pm 3.0^\circ$. If you use just one arm on each side only $\pm 1.5^\circ$ toe change is available.

67210



Front/Rear* Adjustment range:
Camber $\pm 1.5^\circ$

Installation Time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

Honda: 2000 - 09 S2000

HONDA S2000 BALL JOINT

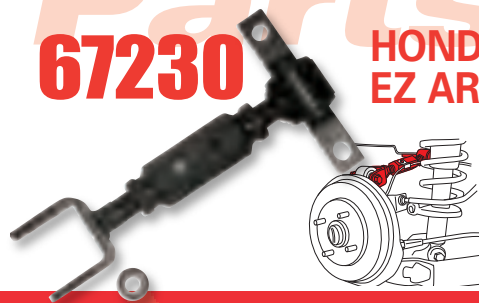
Designed specifically for the S2000, this ball joint corrects camber on both the front and rear. An OE quality ball joint, this adjustable part corrects camber up to $\pm 1.5^\circ$.

***NOTE: The rear applications are ONLY for vehicles equipped with 17" rims or larger. Front applications work with all stock rim sizes and larger.**

67220



 **40920 - Perf. Ball Joint Press, pg 119**

67230**HONDA/ACURA
EZ ARM XR™**

This EZ Arm corrects rear camber on Honda's redesigned 2001 - 05 Civic along with the 2002 - 09 Acura RSX. Simply replace the OE arm with this arm, perfect for stock height and lowered vehicles.

Rear Adjustment range:
Camber -4.00° to $+6.00^{\circ}$

Installation Time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Acura: 2002 - 09 RSX

Honda: 2001 - 05 Civic

67245**REPLACEMENT
BALL JOINT**

This can be used for **62010** as well as a replacement part.



**40920 - Perf. Ball
Joint Press, pg 119**

Front Replacement Part

Installation time: .6 hr/side Req.: 1 per wheel

APPLICATIONS

Acura: 1990 - 01 Integra, 1996 - 98 3.2TL

1996 - 01 RL, 1991 - 96 Legend

Honda: 1997 - 02 Prelude, 1992 - 97 Del Sol

1997 - 01 CR-V, 1992 - 00 Civic

67265**EXTENDED RANGE HONDA/
ACURA REAR EZ ARM XR™**

These arms correct rear camber on vehicles that have been lowered up to 3.0" with an adjustment range of -2.0° to $+3.5^{\circ}$. The "bent" design of the arm gives extra clearance. 67265 comes with a non-directional ball joint preinstalled. (Stock vehicles - use **67065** page 59). Replacement Ball Joint **#67075** (page 60).

Rear Adjustment range:
Camber -2.00° to $+3.50^{\circ}$

Installation Time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Acura: 1996 - 97 2.2CL, 1998 - 99 2.3CL

1996 - 98 2.5TL & 3.2TL

1996 - 99 3.0CL, 1992 - 94 Vigor

Honda: 1990 - 97 Accord

67270**SATURN REAR EZ ARM XR™**

Designed to adjust camber on the new Saturn "L" series cars, this arm is easy to install and provides rear camber adjustment for the life of the vehicle. With its 8° adjustment range this arm can handle extreme amounts of camber changes that may be needed if you lower the Saturn "L".

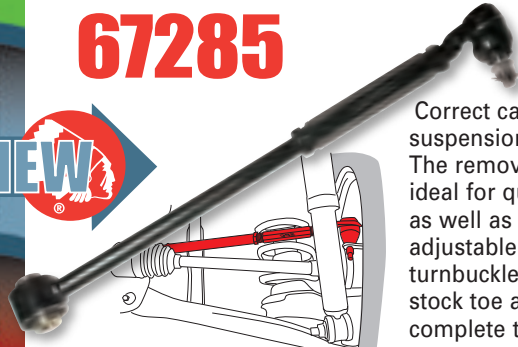
Rear Adjustment range:
Camber $\pm 4.00^{\circ}$

Installation Time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

Saturn: 2000 - 05 L-Series

67285**ESCAPE/TRIBUTE
REAR CAMBER ARM**

Correct camber on previously non-adjustable suspensions with this adjustable control arm. The remove and replace design makes the arm ideal for quick and easy alignment adjustment as well as simple chassis part replacement. The adjustable arm has an easy to access turnbuckle design that adjusts camber $\pm 2^{\circ}$, stock toe adjustments can then be used to complete the alignment.

Rear Adjustment range:
Camber $\pm 2.00^{\circ}$

Installation time: .8 hr/side

Required: 1 per wheel

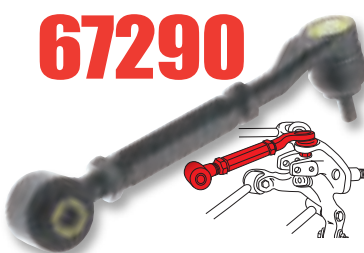
APPLICATIONS

Ford 4WD and RWD:

2001 & Up Escape

Mazda 4WD and RWD:

2001 & Up Tribute

67290**HONDA/ACURA
EZ ARM XR™**

These rear arms are for Accords, Pilots and more. An O.E. ball joint is integrated into this arm. Perfect for stock height and lowered vehicles.

Rear Adjustment range: Camber -2.00° to $+4.00^{\circ}$

Installation Time: .5 hr/side Req.: 1 per wheel

APPLICATIONS

Acura: 2001 - 06 MDX

2004 - 08 TSX

Honda: 2003 - 07 Accord

1999 - 04 Odyssey

2003 - 08 Pilot



JOUNCE SPACERS (4)

Dial in your up-travel stops on coil over suspensions. These easy to use Jounce Bumper Spacers allow you to control up-travel by simply placing urethane spacers between your factory bump stop and the shock body. The closed wedge design allows you to install the spacers without removing the spring or disassembling your strut. Take them out as easily as you put them in if you want to increase up travel. Each of the 4 spacers will decrease your up-travel by 8mm at the strut.



Parts

67300

These Jounce Spacers are now featured on our 72125, 72130 Nissan arms and our 23410 Jeep Adjustable Ball Joint



Adjustment range: Camber +1.50° to +3.00°

Installation time: .6 hr/side Required: 1 per wheel

APPLICATIONS FRONT

67320 Acura: 2004 - 08 TSX, 1996 - 97 2.2CL
1998 - 99 2.3CL, 1996 - 98 2.5TL, 1996 - 99 3.0CL
2001 - 04 3.2CL, 1999 - 03 3.2 TL
Honda: 1998 - 02 Accord, 1989 - 91 Civic/CRX
1995 - 98 Odyssey

67330 Acura: 1990 - 01 Integra, 1991 - 96 Legend
1996 - 98 3.2TL, 1996 - 04 3.5RL
Honda: 2003 & Up Accord, 1992 - 00 Civic
1992 - 94 Del Sol, 1997 - 02 Prelude

67340 Honda: 1990 - 97 Accord

67350 Honda: 1997 - 02 Prelude SH

67360 Acura: 1992 - 94 Vigor
Honda: 1992 - 96 Prelude, 1992 - 94 Prelude 4WS

67370 Chrysler: 1995 - 00 Sebring Coupe
Dodge: 1995 - 00 Avenger
Eagle: 1995 - 98 Talon
Mitsubishi: 1995 - 99 Eclipse
1994 - 98 Galant

APPLICATIONS REAR

67360 Honda: 1992 - 02 Prelude

See our Adjustable Ball Joint for Honda S2000 (Part No. 67220 - pg 61)



40920 - Perf. Ball Joint Press, pg 119



EXTENDED RANGE ADJUSTABLE BALL JOINT

Able to change camber from +1.50° up to +3.0° these ball joints are perfect for lowered vehicles. For changes less than +1.5° check out our Adjustable Ball Joints on page 61.

These ball joints have the best clearance in the industry - thanks to our exclusive 'low-profile' design. And with OEM strength built in, our ball joints are the ones that more pro installers use.

67320

67330

67340

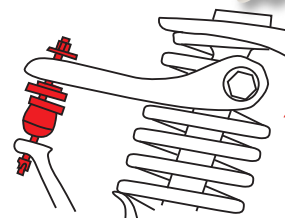
67350

67360

67370



SPC
PERFORMANCE PARTS



Rear Adjustment range: Camber -2.00° to +4.00°

Installation Time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Honda: 1986 - 89 Accord

ACCORD REAR EZ ARM XR™

67395

This arm is for 86 - 89 Honda Accords. An OE style ball joint is integrated into this complete arm and it has a 6° range (-2.0° to +4.0°) of rear camber change.



Rear Adjustment range: Camber -±2.0°/Toe -±2.0°

Installation Time: .5 hr/side

Required: 1 per wheel

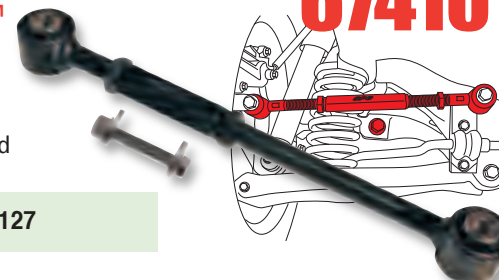
APPLICATIONS

Hyundai: 2007 & Up Elantra
Kia: 2007 & Up Optima
2007 & Up Rondo

HYUNDAI/KIA REAR EZ ARM XR™

67410

These adjustable rear upper control arm and toe cam kits, for many Hyundai and Kia models, will provide up to ±2° camber and ±2° toe change.



85130 - Rotary File, pg 127

67420
67440

CELICA, FOCUS, MAZDA3, VOLVO, FORGED REAR CAMBER ARM

These high strength forged rear arms are perfect for tuners or installers that need extended camber ranges on these popular platforms. Complete with OE style bushings installed for a factory type ride.

Rear Camber Adjustment

Installation Time: .5 hr/side Req.: 1 per wheel

67420 Rear Camber -1.5° to $+5.0^{\circ}$

APPLICATIONS

Ford: 2000 & Up Focus

Mazda: 2004 & Up Mazda3, 2006 & Up Mazda5

Volvo: 2004 & Up S40, 2004 & Up V50

67440 Rear Camber $\pm 3.0^{\circ}$

APPLICATIONS

Toyota: 2000 - 05 Celica

SPC
PERFORMANCE

67430

HONDA CR-V REAR EZ ARM XR™

These arms fit popular CR-Vs and Elements. By removing the stock upper rear control arm and replacing it with the adjustable arm you can adjust camber either positive or negative with the turnbuckle adjuster. This arm can be used on vehicles with stock ride height or vehicles that have been altered for performance.

Rear Adjustment range:
Camber: -2.00° to $+4.00^{\circ}$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Honda: 2002 - 06 CR-V
2003 - 11 Element

67450

DODGE/JEEP REAR CAMBER ARM

Requires use of stock bushing.

The new fully adjustable camber arm for Dodge Caliber/Jeep Compass and Patriot replaces the nonadjustable stock arm. Camber is now adjustable for a range of $\pm 2^{\circ}$ with our unique, easy to adjust patent-pending cam adjuster. Use our Bushing Press Adapter #67451 with our Ball Joint Press #72509 to remove and replace stock bushings.

 **67451** - Bushing Sleeves, pg 122
72509 - Ball Joint Press, pg 123

Rear Adjustment range:
Camber: -2.00° to $+4.00^{\circ}$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Dodge AWD & FWD:

2007 & Up Caliber

Jeep AWD & FWD:

2007 & Up Compass

2007 & Up Patriot

Mitsubishi AWD:

2009 & Up Lancer

67465

CIVIC CAMBER BRACKET

This rear bracket and bushing replaces the stock mount on '06 and up Honda Civics. By rotating the eccentric bolt/cam assembly in the bracket you can get $\pm 1.25^{\circ}$ of rear camber change. Use #75980 bushing removal press sleeve set with the #72509 ball joint press to remove the old bushing and to press in the new bushing.

 **75980** - Bushing Sleeves, pg 125
72509 - Ball Joint Press, pg 123

Rear Adjustment range:
Camber $\pm 1.25^{\circ}$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Honda: 2006 & Up Civic
Civic SI, Civic Hybrid

67470

HONDA CIVIC CAMBER ARM

This remove and replace rear control arm for the '06 and up Honda Civic offers $\pm 3^{\circ}$ camber change. Forged with aircraft strength aluminum the arm is strong and functional with minimum weight. The double sleeve adjuster is easy to access and allows for on-car adjustment.

Rear Adjustment range:
Camber $\pm 3.0^{\circ}$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Honda: 2006 & Up Civic
Civic SI, Civic Hybrid

Rear Adjustment range:
(Includes the camber adjustment
built-in from the factory)
Camber $\pm 3.25^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Scion: 2005 - 10 tC

SCION tC REAR ARM

This fixed change arm is ideal for correcting excessive negative camber issues seen in lowered Scion tC's. The Scion tC comes from the factory with a cam bolt that provides $\pm 1.25^\circ$. This factory change is not enough change for lowered applications. By increasing the length of the rear upper control arm SPC Performance adds 2° positive camber to the rear suspension that can then be dialed in with the OEM cam bolt.



67485

SPC
PERFORMANCE

Rear Adjustment range:
Camber $\pm 2.00^\circ$

Installation time: .5 hr/axle

Required: 1 kit per wheel

APPLICATIONS

Honda: 2005 & Up Ridgeline

HONDA RIDGELINE REAR EZ ARM XR™

This rear camber arm for the Honda Ridgeline has an O.E. style ball joint integrated into it and has a full 4° of camber change using our turnbuckle adjustment system.



67490

Rear Adjustment range:
Additional Camber $+1.00^\circ$

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

67510

Lexus: 1998 - 05 GS

67515

Lexus: 2001 - 05 IS

LEXUS REAR CAMBER KIT

This cam bolt and bracket kit provides an additional one degree of positive camber change. You will need to elongate the existing camber slot by using **85130** rotary files or equivalent. This is ideal for use on lowered vehicles along with our **67525** adjustable ball joint for front camber change (below).



85130 - Rotary File, pg 127



67510
67515

Front Adjustment range:
Camber $\pm 1.5^\circ$

Installation Time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

67525

Lexus: 2001 - 05 IS

67530

Lexus: 2006 & Up IS

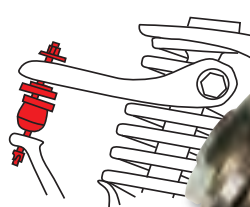


LEXUS IS BALL JOINT

Designed specifically for the Lexus IS, this ball joint corrects camber up to $\pm 1.5^\circ$. With an OE quality replacement ball joint, this sliding plate assembly is perfect for vehicles that have been lowered for performance, or retain the factory ride height.



40920 - Performance Ball
Joint Press, pg 119



67525
67530



Jonathan Meris of Elk Grove, California earned his second national championship by winning the 2011 National AutoSport Association (NASA) Honda Performance Development (HPD) Honda Challenge H1 National Championship at the Mid Ohio Sports Car Course in Lexington, Ohio.

Meris turned the fastest lap time of the entire Honda Challenge field during the championship weekend and also had the quickest time during the championship race en route to take the checkered flag.

Meris Motorsports runs with SPC Performance parts. They know that dialing in your alignment settings perfectly for all track conditions can be the difference from celebrating in the winners circle, or heading to the pits.

67540

67545 Camber

67550 Lateral

67555 Toe

ACCORD/TSX REAR ADJUSTABLE 3 ARM SET

The Honda Accord and Acura TSX Rear Adjustable Control Arm Set (3) provides; $\pm 3^\circ$ camber adjustment (when using all 3 arms), additional toe change, and $\pm 1"$ set-back / wheel base adjustment. Whether you need

alignment changes to adjust for ride height changes, prepare for a weekend of road racing or correct suspension damage, this 3 piece arm set will provide maximum adjustability. *Attention: The sequence of arm adjustments made is extremely important when upgrading this multi-link system.*

See SPC-TV.com for in-depth information on this kit and how it will work in the Accord/TSX multi-link suspension.

Rear Adjustment Range:

67540 (3 ARM SET)

Camber: $\pm 3.0^\circ$ / Toe: $\pm 1.0^\circ$

Setback: $\pm 1.0"$

67545 Camber: $\pm 1.0^\circ$

67550* Setback: $\pm 1.0"$

67555* Toe: $\pm 1.0^\circ$

*** 67550 and 67555 MUST be used with arm 67545**

Installation time:

67540 - .8 hr/side

67545 - .3 hr/side

67550 - .3 hr/side

67555 - .3 hr/side

Required: 1 per wheel

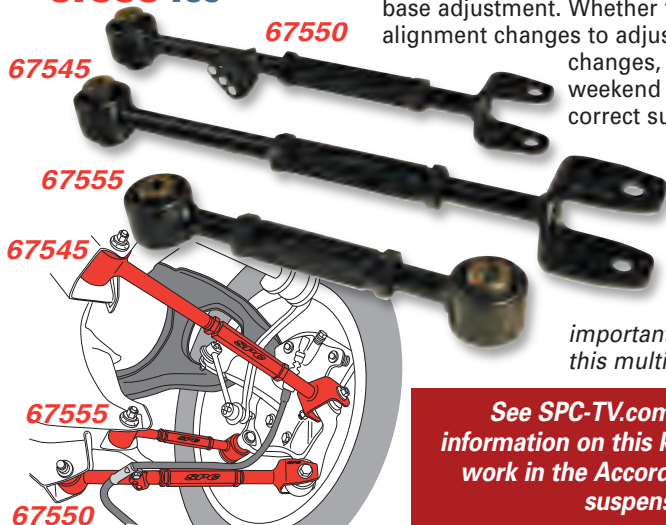
APPLICATIONS

Acura: 2009 & Up TSX

Honda:

2008 & Up

Accord



67545 - REAR CAMBER ARM

The Honda Accord and Acura TSX Adjustable Rear Camber Arm by itself allows camber change of up to $\pm 1^\circ$. If more than 1° change is required toe arm #67555 and lateral arm #67550 may be required. This single arm is also an ideal replacement arm for a damaged OE arm. Attention: Toe will change as you adjust camber with this control arm.

67550 - REAR LATERAL ARM

The Honda Accord and Acura TSX Rear Adjustable Trailing Arm is an ideal replacement for a damaged OE component. Additionally, it will provide $\pm 1"$ set-back/wheel base adjustment. This arm is necessary to correct set-back changes that the 67545 adjustable camber arm and 67555 Adjustable Toe Arm will create when adjusting camber and toe beyond $\pm 1^\circ$.

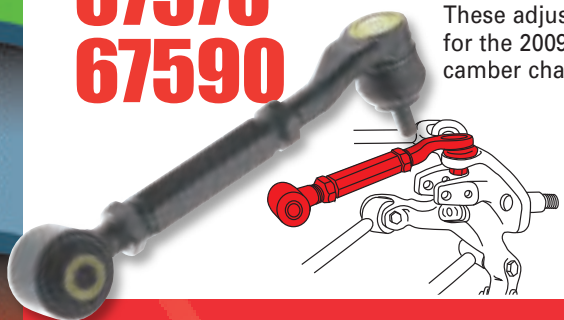
67555 - REAR TOE ARM

The Honda Accord and Acura TSX Rear Adjustable Toe Arm is an ideal replacement for a damaged OE toe arm. Additionally, it provides added toe change beyond what the OE Toe Cam offers. This arm will be necessary to correct toe changes that the 67545 adjustable camber arm will create when adjusting beyond $\pm 1^\circ$.

67570 67590

HONDA REAR CAMBER ARMS

These adjustable rear upper control arms, for the 2009 & up Honda Pilot, delivers 6° of camber change. The adjustable arm has OE style ball joint and bushing making it an ideal piece for both collision repair and traditional wheel alignment needs.



Rear Adjustment range:

Camber -2.00° to $+4.00^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

67570

Honda: 2009 & Up Pilot

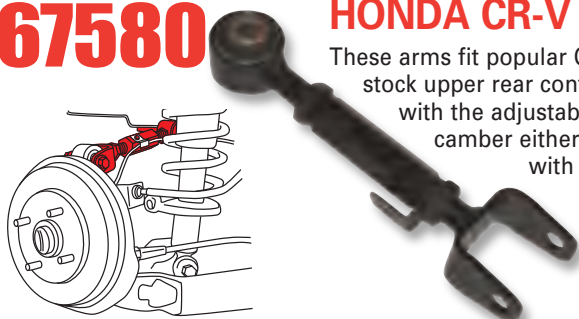
67590

Honda: 2005 & Up Odyssey

67580

HONDA CR-V REAR ARM

These arms fit popular CR-Vs. By removing the stock upper rear control arm and replacing it with the adjustable arm you can adjust camber either positive or negative with the turnbuckle adjuster. This arm can be used on vehicles with stock ride height or vehicles that have been altered for performance.



Rear Adjustment range:

Camber -2.00° to $+4.00^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Honda: 2007 & Up CR-V

Rear Adjustment range:
Camber $\pm 4.00^\circ$

Installation time: .6 hr/side

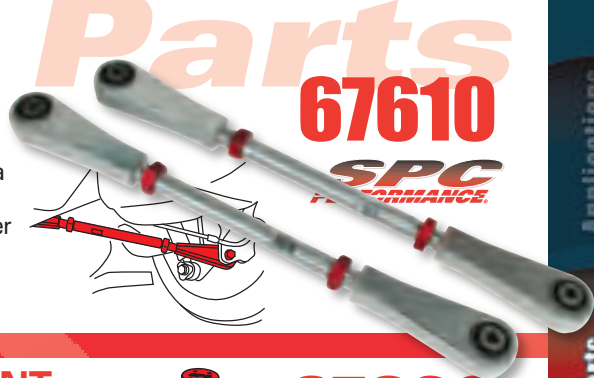
Required: 1 per axle

APPLICATIONS

Mini Cooper: 2002 & Up Mini
Cooper/Mini Cooper S

MINI COOPER REAR CAMBER ARM (PR)

These billet aluminum arms are a great camber solution for these tuner vehicles. In a beautiful silver anodized finish with SPC "Red" nuts, these arms give you a full $\pm 4.0^\circ$ of rear camber change.



67610

SPC
PERFORMANCE

Front Adjustment range:
Camber $\pm 2.00^\circ$ Caster $\pm 0.75^\circ$

Installation Time: 1.2 hr/side

Required: 1 kit per axle

APPLICATIONS

67620

Mini: 2002 - 06 Cooper/ CooperS

67630

Mini: 2007 & Up Cooper/ CooperS

MINI COOPER FRONT STRUT MOUNT (PR)

Crafted from aircraft quality aluminum, these precision machined adjusters feature OE style bearings and a bonded urethane insulator.

Tuners will find this kit, with its ability to change both camber and caster, perfect for both performance and racing applications.



72095 - Pg 123 - Use this tool for struts with adjustable damping



67620

67630

SPC
PERFORMANCE

Rear Adjustment range:
Camber $\pm 1.5^\circ$ Toe $\pm 1.5^\circ$

Installation Time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

Subaru: 1993 - 07 Impreza
1993 - 07 WRXs (Excluding STIs)

Saab: 2005 - 07 9-2X

SUBARU/SAAB EZ ARM XR™ (PR)

This set of 2 adjustable lower control arms will provide up to $\pm 1.5^\circ$ of additional camber and toe adjustment for all 1993 - 07 Imprezas and WRXs (except STIs) and Saab 9-2Xs. Especially designed for the performance enthusiast, these arms can be used on lowered or stock ride height vehicles.



67640

SPC
PERFORMANCE

Rear Adjustment range:
Camber $\pm 3.0^\circ$ Toe 1.5° Fixed

Installation time: .5 hr/side

Required: 1 kit per wheel

APPLICATIONS

Subaru: 2008 - Up Forester,
Impreza, WRX, STi

NOTE: To maximize the adjustable arms change ability to $\pm 3^\circ$, purchase the SPC adjustable toe arm #67655 (below), it will provide toe change of $\pm 3^\circ$ to match the change provided by the camber arm in extreme applications and for easy track tuning.



SUBARU ADJUSTABLE REAR CAMBER ARM AND TOE KIT

The innovative adjustable rear control arm and offset toe bushing kit for Subaru WRX, Impreza, and STi utilizes SPC's patent pending cam nut design to easily set and lock in rear camber adjustment. The camber arm will provide $\pm 3^\circ$ of change. The included offset toe bushing provides a fixed 1.5° of offset allowing you to get back to spec for changes of up to $\pm 2^\circ$ when used in combination with the OE slot.



67647 - Bushing Sleeves, pg 122
72509 - Ball Joint Press, pg 123



67645

Patent
Pending

SPC
PERFORMANCE

Rear Adjustment range:
Toe $\pm 3.00^\circ$

Installation time: .5 hr/side

Required: 1 kit per wheel

APPLICATIONS

Subaru: 2008 - Up
Forester, Impreza,
WRX, STi



SUBARU ADJUSTABLE REAR TOE ARM

The Subaru Adjustable Rear Toe EZ Arm provides maximum toe change required due to camber changes. The toe arm incorporates an integrated OE style ball joint and is easily adjusted for positive or negative toe.



67655

SPC
PERFORMANCE

Parts

67720

NISSAN 240SX FRONT CASTER ROD (PR)

This replacement front adjustable strut rod is easily adjustable and gives these popular tuner vehicles the ability to change caster by 3°. A stiffer rubber bushing material provides better handling in performance applications.

SPC
PERFORMANCE

Front Adjustment range:
Caster $\pm 1.5^\circ$

Installation Time: .3 hr/side

Required: 1 kit per axle

APPLICATIONS

Nissan: 1989 - 98 240SX

67740

NISSAN 240SX TOE LINK (EA)

This adjustable arm increases the amount rear toe can be changed on this popular performance vehicle. It is recommended that this arm be installed when either the 67765 or the 67775/67776 (below) is being installed.

SPC
PERFORMANCE

Rear Adjustment range:
Toe $\pm 2.0^\circ$

Ins. Time: .3 hr/side

Req.: 1 kit per wheel

APPLICATIONS

Nissan: 1989 - 98 240SX

67765 67775 67776

NISSAN 240SX REAR CAMBER KITS

These rear arms provide an increased amount of camber change on these popular tuner cars. Two arms are required per side and are adjusted together to give the maximum amount of camber change without affecting wheel set-back. Stiffer rubber bushing material is used for better handling in performance applications.

67765
L or R

67775-Left
67776-Right

Rear Adjustment range:
Camber $\pm 3.0^\circ$ (**2 Arm Set**)

Installation time: 1.0 hr/side

Required: 1 kit per wheel

APPLICATIONS

67765 Left or Right

Nissan: 1989 - 94 240SX

67775 Left
67776 Right
Nissan:

1995 - 98 240SX

69100- 69400

HONDA/ACURA REAR CLEARANCE ARMS (PAIR)

These extreme lower control arms are for Honda Civics and Acura Integras and RSXs. Made from aircraft aluminum alloy, these arms are available in a silver finish.

When teamed up with front and rear camber arms SPC Performance provides you with a complete alignment solution when lowering your Civic, Del Sol, RSX, or Integra.

Rear Adjustment range: See Applications

Installation time: .3 hr/side Req.: 1 kit per axle

APPLICATIONS

69100* Honda: 1996 - 00 Civic

69200* Acura: 1990 - 01 Integra (Not Type R)
Honda: 1989 - 95 Civic, 1989 - 92 CRX
1992 - 97 Del Sol

***Note:** These arms are shorter than the OEM arm. Camber will be affected and these arms must be used with 67030 adjustable rear upper arm (page 59)

69300** Honda: 2001 - 05 Civic

69400** Acura: 2002 - 07 RSX
Honda: 2003 & Up Element, 2002 - 06 CR-V

****Note:** These arms are for appearance and weight saving only. They include a special Socket, Part 69330 (page 122) which is required for installation.

SPC
PERFORMANCE

69250

HONDA/ACURA TOE ADJUSTER

This kit allows for easier and more accurate toe adjustments on Civic platform Honda's. Use with Clearance Arms (above).

Rear Adjustment range: Toe $\pm 2.00^\circ$

Installation time: .6 hr/side Req.: 1 kit per axle

APPLICATIONS

Acura: 1990 - 01 Integra

Honda: 1988 - 00 Civic, 1992 - 97 Del Sol
1988 - 92 CRX

Rear Adjustment range: Toe $\pm 2.00^\circ$

Installation time: .5 hr/side Req.: 1 kit per axle

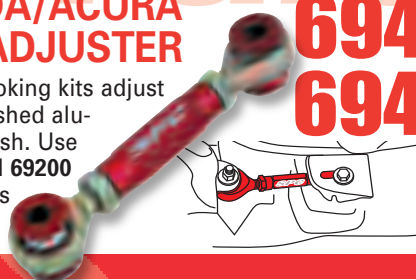
APPLICATIONS

69450 Acura: 1990 - 01 Integra
Honda: 1992 - 00 Civic, 1992 - 97 Del Sol

69460 Honda: 1988 - 91 Civic, 1988 - 92 CRX

HONDA/ACURA TOE ADJUSTER

These great looking kits adjust toe with a polished aluminum red finish. Use with **69100** and **69200** Clearance Arms (Page 68).



69450
69460

Rear Adjustment range:
Camber $\pm 1.00^\circ$ / Toe $\pm 1.00^\circ$

Installation time: .5 hr/side

Required: 1 shim per wheel/
per angle changed

APPLICATIONS

Toyota FWD: 1998 - 10 Sienna
Nissan FWD: 2011 - 12 Leaf

FULL CONTACT REAR SHIMS

CAMBER/TOE

Part No.	Change
71020	.06°
71021	.13°
71022	.25°
71023	.38°
71024	.50°
71025	.75°

These full contact rear shims will correct camber and/or toe. Combination adjustments, or changes up to 1.0° may be achieved by using 2 shims on each wheel.

71000 SHIM SET - Includes 12 shims/2 each #

71020
SERIES

NOTE:
Do NOT
adjust
Camber
or Toe
over 1.0°



Rear Adjustment range:
Camber $\pm .06^\circ$ to $\pm 1.00^\circ$
Toe $\pm .06^\circ$ to $\pm 1.00^\circ$

Installation time: .5 hr/side

Required: 1 shim per wheel/
per angle changed

APPLICATIONS

See application charts, pages 7-44
for vehicle models and years.

71100 & 71200 SERIES

Audi, Chevrolet, Chrysler, Dodge,
Eagle, Ford, Geo, Isuzu, Plymouth,
Volkswagen

71300 SERIES

Chrysler, Dodge & Plymouth Mini-Vans

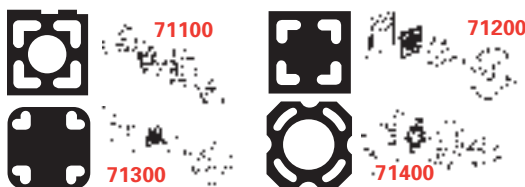
71400 SERIES

Buick, Cadillac, Chevrolet,
Oldsmobile, Pontiac

NOTE: Longer bolts may be needed -
see #10408 on page 48

FULL CONTACT NYLON SHIMS

Adjust camber or toe with our full contact rear shims. For either camber or toe, these nylon shims are available with 9 different angles - giving you the ability to install the exact alignment change needed.



71100
71200
71300
71400
SERIES

71100	71200	71300	71400	Camber Change	or	Toe Change
71120	71220	71320	71420	.06° (1/16")		.06° [.03" (1/32")]
71121	71221	71321	71421	.13° (1/8")		.13° [.06" (1/16")]
71122	71222	71322	71422	.25° (1/4")		.25° [.13" (1/8")]
71123	71223	71323	71423	.38° (3/8")		.38° [.19" (3/16")]
71124	71224	71324	71424	.50° (1/2")		.50° [.25" (1/4")]
71125	71225	71325	71425	.63° (5/8")		.63° [.31" (5/16")]
71126	71226	71326	71426	.75° (3/4")		.75° [.38" (3/8")]
71127	71227	71327	71427	.88° (7/8")		.88° [.44" (7/16")]
71128	71228	71328	71428	1.00° (1")		1.00° [.50" (1/2")]

Rear Adjustment range:
Camber $\pm .50^\circ$ to $\pm 1.00^\circ$
Toe $\pm .13^\circ$ to $\pm .50^\circ$

Installation time: .5 hr/side

Required: 1 shim per wheel/
per angle changed

APPLICATIONS

Audi: 2000 - 06 TT

Volkswagen: 1999 & Up Beetle
1999 - 06 Golf (Except R32)
1999 - 06 GTI, 1999 - 05 Jetta

CAUTION: Check brake & rotor
clearance for binding. 75970 spacers
(page 75) maybe required.



87530 - VW Shim Wrench,
pg 128

VW/AUDI REAR SHIMS

With these shims you can correct both rear camber and rear toe on newer Volkswagens and Audis. By combining the shims (two may be used on each wheel) you can get up to ± 1.0 camber change and up to $\pm .50^\circ$ toe change. Our wrench (**87530**) is a must when installing these shims. It allows you to remove the brake tone ring, bearing, seal and hub assembly as one unit.

71500 SHIM SET - Includes 16
shims/2 of each size and 87530 wrench.

TOE

Part No.	Change
71520	$\pm .13^\circ$
71521	$\pm .25^\circ$
71522	$\pm .38^\circ$
71523	$\pm .50^\circ$

CAMBER

Part No.	Change
71530	$\pm .50^\circ$
71531	$\pm 1.00^\circ$
71532	$\pm .50^\circ$
71533	$\pm 1.00^\circ$

87530 - Wrench

71520
71530
SERIES



NOTE: When installing these
shims we recommended that
you use our VW Shim Wrench
(#87530 pg. 128) to assist in
removing the rear hub.

71720 71730 SERIES

CHRYSLER MINI-VAN SHIMS

For camber and toe change, use our Mini-Van Shims that allow for quick and easy changes in increments of: toe .10° and camber .25°.



71700

SHIM SET - Includes 20 shims/2 of each size.

TOE

Part No.	Degree of Change
71720	±.10° [.05" (1/16")]
71721	±.20° [.10" (1/8")]
71722	±.30° [.15" (5/32")]

Part No.	Degree of Change
71723	±.40° [.20" (3/16")]
71724	±.50° [.25" (1/4")]
71725	±.80° [.40" (3/8")]

Part No.	Degree of Change
71730	±.25° (1/4°)
71731	±.50° (1/2°)
71732	±.75° (3/4°)
71733	±1.00° (1°)



Rear Adjustment range:
Camber ±1.00°/Toe ±10° to ±80°

Installation time: .5 hr/side

Required: 1 shim per wheel/
per angle changed

APPLICATIONS

Chrysler: 1996 & Up Town & Country
1990 - 95 Town & Country AWD w/o ABS

Dodge: 1996 & Up Caravan
1990 - 95 Caravan AWD w/o ABS

Nissan: 2007 & Up Sentra

Plymouth: 1996 & Up Voyager
1990 - 95 Voyager AWD w/o ABS

72040

MUSTANG FRONT CAMBER/CASTER STRUT MOUNT

In 2005 Ford introduced the new Mustang. SPC's adjustable strut mount will give you an additional 4° of camber or caster on these newer vehicles. By replacing the existing upper strut mount and utilizing the stock strut bearing and spring plate, you will maintain factory ride and get maximum adjustment.

Note: Modification of the strut tower opening will be necessary to gain access to adjusting bolts.



Front Adjustment range:
Camber ±2.00° Caster ±2.00°

Installation time: 1.0 hr/side

Required: 1 kit per axle

APPLICATIONS

Ford: 2005 & Up Mustang

Note: We do not recommend the use of caster/ camber plates on coil-over equipped vehicles.



72045

MUSTANG ADJUSTABLE PANHARD BAR

SPC aluminum panhard bars provide weight savings and adjustability! Manufactured from aircraft grade aluminum, precision TIG welded, and then black anodized, the SPC panhard bar is the lightest durable unit on the market. High durometer vulcanized rubber bushings promote precise handling while maintaining factory noise levels and damping qualities. SPC's bushings are the same size as factory bushings and lend themselves to other aftermarket bushings if stiffer bushings or different materials are required. Adjust your Mustang SPC panhard bar on the car to optimize lateral stability and tracking.

Arm Length
36 inches

Complete your suspension tuning project plus get additional pinion and thrust arm adjustments by using SPC's adjustable trailing arms #72345 (page 74)



Rear Adjustment range:
Tracking ±1.5"

Installation time: 0.5 hr/side

Required: 1 per axle

APPLICATIONS

Ford: 2005 & Up Mustang



72050

NISSAN/INFINITI EXTREME REAR KIT

This is the perfect kit for the lowered Z or G35. Provides additional camber and comes with a larger offset toe cam to bring the toe angle back into range. Use the 85130 rotary file set to elongate the toe slots.



See page 73 for additional rear arms for Nissans and Infinitis

Rear Adjustment range:
Camber ±4.00° Toe ±3.00°

Installation time: .6 hr/side

Required: 1 kit per wheel

APPLICATIONS

Infiniti: 2003 - 07 G35 Coupe
2003 - 06 G35 Sedan

Nissan: 2002 - 08 350Z
2002 - 06 Altima



85130 - Rotary File, pg 127

Rear Adjustment range:
Camber $\pm 3.00^\circ$ Toe $\pm 3.00^\circ$
Installation time: .6 hr/side
Required: 1 kit per wheel

APPLICATIONS

Nissan: 2002 - 08 350Z
2002 - 06 Altima
Infiniti: 2003 - 07 G35 Coupe
2003 - 06 G35 Sedan

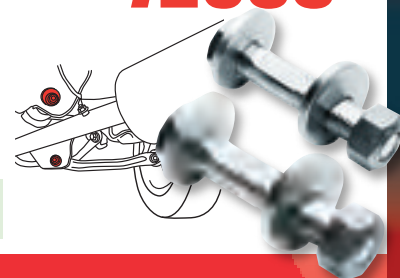
NISSAN/INFINITI REAR CAMBER/TOE KIT

72055

These cams (set of 2) replace the OE camber and toe adjustment cams and provide additional camber & toe changes. Adjustment slots will need to be elongated using **85130** rotary file set or equivalent.



85130 - Rotary File Set, pg 127



Front Adjustment range:
Camber $-.50^\circ$ to $+1.50^\circ$
Caster 0.0° to $+1.50^\circ$

Installation time: 1.0 hr/side
Required: 1 kit per axle

APPLICATIONS

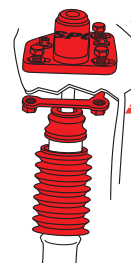
Ford: 1994 - 04 Mustang

Note: We do not recommend the use of caster/ camber plates on coil-over equipped vehicles.

MUSTANG FRONT CAMBER/ CASTER STRUT MOUNT

72060

These adjustable strut mounts feature polyurethane bushings for quiet operation and maximum performance, and are CNC machined from 6061 heat treated aluminum. The TIG welded strut hats increase strut travel which is especially important on lowered cars. These plates also come complete with special strut boots and bump stops.



Front Adjustment range:
Camber -1.00° to $+3.00^\circ$ Caster $\pm .50^\circ$
Installation time: 1.2 hr/side Req: 1 kit per axle

APPLICATIONS

72065 BMW: 1984 - 91 3 Series (E30)
72070 BMW: 2008 & Up 1 Series AWD (E81, E82, E87, E88)
2008 & Up 3 Series AWD (E90, E91, E93, E93)
1992 - 99 3 Series 318, 323, M3 RWD (E36)
1996 - 02 3 Series Z3 Coupe/Roadster RWD (E36)
72080 BMW: 2000 - 04 3 Series RWD/AWD (E46)
1993 - 03 3 Series Sedan & Wagon RWD/AWD (E46)
1996 - 03 5 Series 525i, 528i w/o EDC, 528iT, 530i RWD (E39)
72090 BMW: 2005 - 06 3 Series - Coupe and Conv. RWD/AWD (46)
2004 - 05 3 Series - Sedan & Wagon RWD/AWD (E36)
1992 - 99 3 Series - 318Ti RWD (E30)
2003 - 08 3 Series - Z4 RWD (E85)



BMW FRONT ADJUSTABLE UPPER STRUT MOUNTS

72065 72070 72080 72090

Engineered utilizing a unique, multi-adjustable design, these strut mounts fit a wide variety of BMWs.

Crafted from aircraft quality aluminum, these precision machined adjusters feature OE style bearings and a bonded urethane insulator.

Tuners will find this kit's ability to change both camber and caster, perfect for both performance and racing applications.



72095 - Pg 123 - Use this tool for struts with adjustable damping

See page 72 for additional adjustable front strut mounts for RWD 1 & 3 Series and more

Rear Adjustment range:
Camber -1.00° to $+3.00^\circ$
Installation time: 1.3 hr/side
Required: 1 kit per axle

APPLICATIONS

BMW: 2000-06 3 Series Coupe and Convertible (E46)
1999-05 3 Series Sedan and Wagon (E46)
1992-99 3 Series 318, 323, M3 (E36)
2003-08 3 Series Z4 (E85)

BMW REAR LOWER CONTROL ARM

These billet aluminum arms fit the 3-Series along with the new Z4, giving you -1.0° to $+3.0^\circ$ of rear camber change. Great for these popular tuner vehicles, these machined parts are in a stand-out silver anodized finished with SPC "Red" nuts. Our standard EZ Arm (**#67110**) for BMWs is shown on page 60.



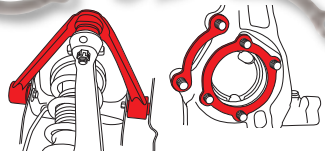
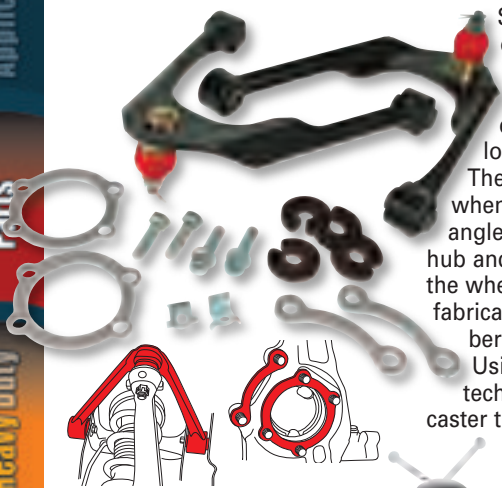
72110

SPC
PERFORMANCE

Parts

72125

350Z & G35 FRONT UPPER CONTROL ARMS (PR)



Patent No. US 7,513,514 B

These arms feature our SpecRide™ Jounce Spacers for a quieter, OEM style ride

SPC Performance's arm/shim kit is the only one the market to provide a substantial amount of positive camber change. It has more than enough camber and caster change to correct cars that have been lowered, or for vehicles used in drifting.

These new arms allow for precise changes when fine tuning suspension alignment angles necessary when racing or drifting. The hub and caliper shims extend out the center of the wheel making it possible for our CNC fabricated arm to make up to 5° total camber change and ± 1° of caster change.

Using a sliding and rotating ball joint, techs can fine tune both camber and caster to save tires and improve handling and tire to surface contact. The kit includes everything you need, including the ABS sensor bracket, shims, and arms for both sides of the vehicle.



Front Adjustment range:
Camber -1.5° to +3.5°
Caster ±1.0°

Installation Time: 1.8 hr/side

Required: 1 kit per axle

APPLICATIONS

Infiniti: 2003 - 07 G35 Coupe (with and w/o active steer)
2003 - 06 G35 Sedan
Nissan: 2002 - 08 350Z

Constantly evolving. When we design our parts - we don't just sit back, we continue to research processes and manufacturing advances. When we find one that will improve our parts - we implement it. With these control arms we discovered we could save weight and keep the structural integrity by going with a single cut and formed piece of steel. **Better design - improved performance.**

72130

370Z & G37 FRONT UPPER CONTROL ARMS (PR)

This pair of front upper control arms will give you ±1° caster and ±2.5° camber change.

Simply replace the OE front upper control arms and dial in your suspension angles with our patented sliding ball joint and caster plate. Whether you want to tune your suspension for the ultimate in handling performance, minimize tire wear or easily move back and forth

between two settings, these are the arms to get the job done.



Patent No. US 7,513,514 B

These arms feature our SpecRide™ Jounce Spacers for a quieter, OEM style ride

Front Adjustment range:
Camber ±2.5° Caster ±1.0°

Installation Time: .6 hr/side

Required: 1 kit per axle

APPLICATIONS

Infiniti: 2008 & Up EX35
2007 - 08 G35/G35x Sedan (inc. active steer)
2008 & Up G37 Coupe (inc. active steer)
2009 & Up G37 Sedan
Nissan: 2009 & Up 370Z



72180 72190

BMW FRONT ADJUSTABLE UPPER STRUT MOUNTS

The 72180 and 72190 BMW fully adjustable upper strut mounts allow full camber adjustments from -1° to +3° and caster adjustments from ±2°. Full adjustment for daily drivers to high performance racing angles is quickly and easily accomplished. Precision machining and components equals precision handling.



72095 - Pg 123 - Use this tool for struts with adjustable damping

See page 71 for additional adjustable front strut mounts for AWD 1 & 3 Series and more



72190

72180

Front Adjustment range:
Camber -1.00° to +3.00°
Caster ±.50°

Installation time: 1.2 hr/side

Required 1 kit per axle

APPLICATIONS

72180 BMW:
1996 - 04 5 Series - 528i, w/EDC 540i, 540iT, M5 RWD (E39)

72190 BMW:
2008 & Up 1 Series RWD (E81, E82, E87, E88)
2007 & Up 3 Series RWD (E90, E91, E92, E93)



1-800-525-6505

Call for your nearest distributor, product info or Technical Assistance • In the USA and Canada

www.specprod.com

Rear Adjustment range:
Camber $\pm 1.25^\circ$ Toe $\pm 1.25^\circ$

Installation Time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

BMW: 1996 - 04 5 Series - 528i,
w/EDC, 540i, 540iT, M5 RWD (E39)



72509 - Ball Joint Press
pg 123

BMW 5 SERIES ADJ. REAR BUSHINGS

72185

These rear control arm bushings provide an additional $\pm 1.25^\circ$ of camber and toe adjustment for the rear of the BMW 5 series. Replace the inboard bushings on the rear upper control arms with these innovative adjustable bushings for lifetime adjustability. Use standard bushing press sleeves and bushing press tool **72509** to remove the old bushings and press in the new ones.



Rear Adjustment range:
Camber $\pm 4.00^\circ$ Toe $\pm 3.00^\circ$

Installation time: .6 hr/side

Required: 1 kit per wheel

APPLICATIONS

72260

Infiniti: 2006 - 07 G35 Coupe w/rear active steer
2007 - 08 G35/35x Sedan Incl. active steer

Nissan: 2009 & Up 370 Z

72280

Infiniti: 2008 & Up G37 Coupe incl. active steer
2009 & Up G37 Sedan
2009 & Up M35/45



85130 - Rotary File Set, pg 127

NISSAN/INFINITI EXTREME REAR KIT

72260 72280

This is the perfect kit for lowered Zs or G35s and G37s Infinitis. Provides additional camber and comes with a larger offset toe cam to bring the toe angle back into range. Use the **85130** rotary file to elongate the toe slots.



See page 70 for additional rear arms for Nissans and Infinitis



Rear Adjustment range:
Camber $\pm 3.00^\circ$ Toe $\pm 3.00^\circ$

Installation time: .6 hr/side

Required: 1 kit per wheel

APPLICATIONS

Infiniti: 2008 & Up G37 Coupe incl. active steer
2009 & Up G37 Sedan, 2009 & Up M35/45
2006 - 07 G35 Coupe w/rear active steer
2007 - 08 G35/35x Sedan Incl. active steer

Nissan: 2009 & Up 370 Z

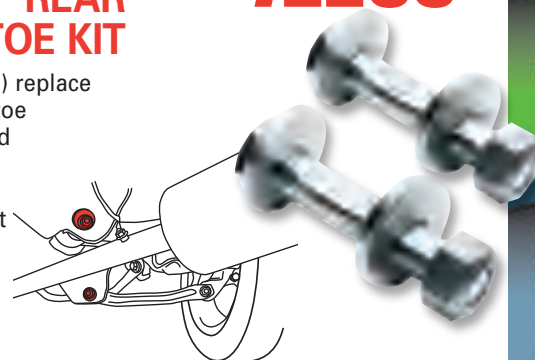


85130 - Rotary File Set, pg 127

NISSAN/INFINITI REAR CAMBER/TOE KIT

72265

These cams (set of 2) replace the OE camber and toe adjustment cams and provide additional camber & toe changes. Adjustment slots will need to be elongated using **85130** rotary file or equivalent.



Front Adjustment range:
Camber $\pm 2.0^\circ$ Caster $\pm 1.0^\circ$

Installation Time: .6 hr/side

Required: 1 per axle

APPLICATIONS

Lexus:
1993 - 05 GS



LEXUS GS ADJUSTABLE FRONT ARMS (PR)

72270

This pair of Lexus upper control arms will give you $\pm 1^\circ$ caster and $\pm 2.0^\circ$ camber change. Simply replace the OE front upper control arms and dial in your suspension angles with our patented sliding ball joint and caster plate. Whether you want to tune your suspension for the ultimate in handling performance, minimize tire wear or easily move back and forth between two settings, these are the arms to get the job done.



Patent No.
US 7,513,514 B

72345

MUSTANG REAR ADJUSTABLE TRAILING ARMS (PR)

These Adjustable Rear Trailing Arms for 2005 - up Ford Mustang offer you the ability to adjust thrust, tracking, and pinion angle to optimal specs for your driving style or track conditions. Made of 6061 aluminum, these light weight, high strength arms look great with a black anodized finish.

SPC
PERFORMANCE

Check out SPC's adjustable panhard bar #72045 and adjustable front strut mounts #72040 on page 70.

Rear Adjustment range:
Pinion $\pm 4.0^\circ$ Add'l Thrust

Installation Time: .6 hr/axle

Required: 1 per axle

APPLICATIONS

Ford: 2005 & Up Mustang



72350 72355

MUSTANG FRONT ALIGNMENT KITS

72350 Kit bundles a pair of EZ Cams (p/n 81260) for adjusting camber $\pm 1.5^\circ$, with two **72355** Caster Bolts (below). Together these parts overcome the non-adjustable factory design to provide complete adjustability for improved handling, reduced tire wear, and better drivability.

72355 Cam bolt kit provides caster adjustment by replacing one of the two factory bolts that mount the rear control arm bushing bracket. Elongation of the pre-marked factory holes is required - we recommend using rotary file set 85130 or similar. Includes one silver cam (right).

Front Adjustment range:

72350 Camber $\pm 1.50^\circ$
Caster $\pm .50^\circ$

Installation Time: 1.0 hr/axle

Required: 1 per axle

72355 Caster $\pm .50^\circ$

Installation Time: .4 hr/wheel

Required: 1 per wheel

APPLICATIONS

Ford: 2005 & Up Mustang



85130 - Rotary File Set,
pg 127

#72355 Includes only
One Caster Cam
Patent Pending

73400

SHIM PACK

CHRYSLER/MITSUBISHI REAR SHIM PACK

For positive camber change use our **73400** Rear Shims (6 per pack) that allow for quick and easy camber changes in increments of $.25^\circ$ up to $.75^\circ$. Each shim changes camber by $.25^\circ$, the entire pack equals $.75^\circ$ change if all shims are used.

73415 BOLT SET - Set of 4 bolts.
NOTE: Changes in camber greater than $.75^\circ$ require an additional shim kit and the installation of longer bolts. Use Specialty Part 73415.

Rear Adjustment range:
Camber $+.25^\circ$ to $+.75^\circ$

Installation time: .3 hr/side

Required: 1 kit per axle

APPLICATIONS

Chrysler: 1995 - 00 Sebring/JL 2001 & Up Sebring 2Dr, Coupe
Dodge: 1995 - 00 Avenger
Eagle: 1995 - 99 Talon RWD/4WD
Mitsubishi: 1997 - 04 Diamante 1995 - 05 Eclipse RWD/4WD 1994 - 03 Galant

73600 73620

CHRYSLER/MITSUBISHI REAR CAMBER BOLT AND BRACKET

This bolt and bracket set allows for greater rear camber change on 1995 and up Sebrings, Avengers, Talons and Eclipses. One kit covers one side of the vehicle.

PART NO. 73600
(No Spacers)

PART NO. 73620
(With Spacers & Bolts)

Rear Adj. range: Camber

73600 $-.75^\circ$ to $+1.50^\circ$

73620 $-.75^\circ$ to $+3.00^\circ$

Installation Time: .5 hr/side

Required: 1 kit per wheel

APPLICATIONS

Chrysler: 1995 - 00 Sebring/JL 2001 & Up Sebring 2Dr, Coupe
Dodge: 1995 - 00 Avenger
Eagle: 1995 - 99 Talon RWD/4WD
Mitsubishi: 1997 - 04 Diamante 1995 - 05 Eclipse RWD/4WD 1994 - 03 Galant

Rear Adjustment range:
Camber $\pm 1.50^\circ$ / Toe $\pm 1.50^\circ$

Installation time: .5 hr/side

Required: 1 shim per wheel

APPLICATIONS

See application charts, pages 7-44
for vehicle models and years.

75200 (BLUE)

Audi, Chevrolet, Chrysler, Dodge,
Eagle, Ford, Geo, Isuzu, Plymouth,
VW

75400 (GREY)

Acura, Audi, Buick, Cadillac,
Chevrolet, Chrysler, Dodge, Ford,
Mercury, Nissan, Olds, Plymouth,
Pontiac, Saturn

75600 (YELLOW)

Buick, Cadillac, Chevrolet,
Chrysler, Geo, Olds, Pontiac,
Scion, Toyota, VW

75800 (RED)

Buick, Cadillac, Chevrolet, Geo,
Olds, Pontiac, Toyota, VW

Available on a handy board set
#88700 - page 46



EZ SHIM™ ONLINE

Get up to date templates and
applications online with our EZ
Shim Online program. Easy to
follow shim selection for the EZ
Shim with instructions and
videos to help you install your
shim. Go to www.specprod.com



EZ Shim™

FULL CONTACT DUAL ANGLE

A patented Full Contact Dual Angle shim,
consisting of only four part numbers, that
corrects Toe and Camber with one shim.

These two-piece adjustable shims are available
in 4 sizes which cover many rear shimable FWD
vehicles. Durable construction, proven adjust-
ment changes within $.03^\circ$ toe and $.10^\circ$ camber

CAUTION: Check for caliper to rotor clearance
when installing this part on vehicles equipped
with rear disc brakes. Some vehicles may
require the use of longer bolts.

**Recommend use of 10408 bolts (page 48)
and 75970 spacers (below) as required**

U.S. Patents 5,622,378
5,836,597 & 6,036,205
EPO 0695255



75915 - EZ Shim Cutter (below)

ACCESSORIES

75910 DIAL CHART

Makes using the EZ Shim a snap. Just dial in the
desired change needed for both camber and toe.

75915 CUTTER

This cutter is a necessary tool for cutting the
EZ Shim™. Its thin cutting blades minimize
shim breakage.

75920 MARKER

This will mark the areas to be removed.
Marks will not rub off, and are easy to see.

75970 SPACER SET (8)

This set (4 different sizes - 2 of each) aligns caliper
to rotor after installation of a camber shim.
Specifically designed to be used with the EZ Shim
when correcting some FWD cars with hub
mounted rear disc brakes. Can also be used with
the 71000 Series Shims (pg 69).

BLUE 75200
GREY 75400
75600
YELLOW
RED 75800



75910

EZ Shim™ dial Chart
lists changes in
decimal degrees only.



75915



75920



75970

Truck Axle Shims

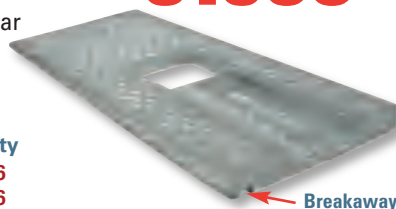
ZINC TRUCK AXLE SHIMS

Do you specialize in
Heavy Duty Trucks or
maintain a truck
fleet? Check out our
complete Heavy Duty
Truck Section on
pages 97-106.



These popular heavy-duty axle
shims are for Jeep CJs and similar
vehicles with 1-3/4" to 2" wide
leaf springs. **Six shims per box.**

No.	Width	Degree Taper	Qty	No.	Width	Degree Taper	Qty
80199	1-3/4 to 2"	1/2°	6	80699	1-3/4 to 2"	3°	6
80299	1-3/4 to 2"	1°	6	80799	1-3/4 to 2"	3-1/2°	6
80399	1-3/4 to 2"	1-1/2°	6	80899	1-3/4 to 2"	4°	6
80499	1-3/4 to 2"	2°	6	80999	1-3/4 to 2"	5°	6
80599	1-3/4 to 2"	2-1/2°	6	81099	1-3/4 to 2"	6°	6



Breakaway

For additional shim widths
see pages 80 & 86

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Applications

Parts

Heavy Duty

Off-Road

Racing

Tools

Accessories

Brake & CV

Gear/Index

75

Parts

81240, 81250, 81260, 81270, 81280, 81290

EZ Cam™ XR

CAMBER KITS FOR DOMESTIC/IMPORT TWO BOLT STRUTS

EZ Cam™ XRs are designed for non-slotted struts. They allow both positive and negative camber changes up to approximately 1.75° (depending on vehicle) by replacing the upper O.E. strut/spindle bolt. This easy to use adjuster provides built-in adjustment over the life of a vehicle just by rotating the head of the bolt. Each kit contains two cam bolt assemblies, enough for both sides of the vehicle.

Part No. 81240 (pr)
For replacement of 10mm bolts

Part No. 81250 (pr)
For replacement of 12mm bolts

Part No. 81260 (pr)
For replacement of 14mm bolts

Part No. 81270 (pr)
For replacement of 15mm bolts

Part No. 81280 (pr)
For replacement of 16mm bolts

This kit may also be used on GM vehicles equipped with aftermarket slotted struts with the addition of our adapter plate, 81286 included with cams.

Part No. 81290 (pr)
For replacement of 17mm bolts

Front Adjustment range:
Camber $\pm 1.75^\circ$

Installation time: .4 hr/side

Required: 1 kit per axle

APPLICATIONS

See application charts, pages 7-44 for years.

81240 pr (10mm)
Alfa Romeo, Fiat, Lancia

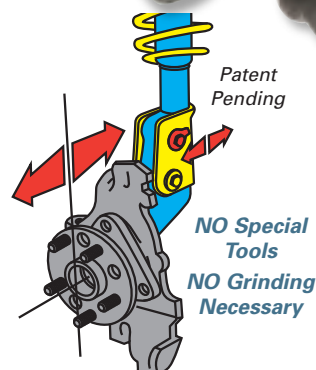
81250 pr (12mm)
Chevrolet, Cadillac, Daihatsu, Daewoo, Dodge, Eagle, Ford, Geo, Hyundai, Infiniti, Isuzu, Mazda, Mercury, Mitsubishi, Nissan, Plymouth, Pontiac, Porsche, Renault, Saab, Saturn, Suzuki, Toyota, Volkswagen, Volvo

81260 pr (14mm)
Acura, Buick, Chevrolet, Chrysler, Daewoo, Dodge, Honda, Hyundai, Infinity, Mitsubishi, Nissan, Plymouth, Saturn, Subaru, Toyota, Volvo

81270 pr (15mm)
Geo, Lexus, Toyota

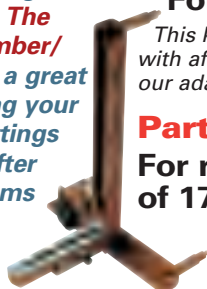
81280 pr (16mm)
Acura, Buick, Cadillac, Chevrolet, Chrysler, Dodge, Eagle, Ford, Honda, Hyundai, Kia, Lincoln, Mercury, Oldsmobile, Pontiac

81290 pr (17mm)
Lexus, Toyota



Note: Install handle in direction of desired camber change: out for positive, in for negative.

Check out our Camber Gauges on pages 126 and 129 - **The FasTrax™ Camber/Caster Gauge** is a great tool for checking your alignment settings before and after installing EZ Cams or if you are replacing struts.



Tech Tip:

- Use in struts where the hole in the strut is not elongated.
- For positive change, face the locking tab outward, towards you. For negative adjustment, face the locking tab inward, or away from you.

Replacing struts?

As a professional installer when you replace worn struts look beyond the strut to the cam bolts below. Worn struts can cause a vehicle to be out of alignment. By replacing the O.E. strut/spindle bolt with an EZ Cam kit you can bring the vehicle back into specification and provide built-in adjustment over the life of the vehicle.

Rear Adjustment range:
Camber $\pm 5^\circ$

Installation time: .5 hr/side

Required: 1 kit per axle

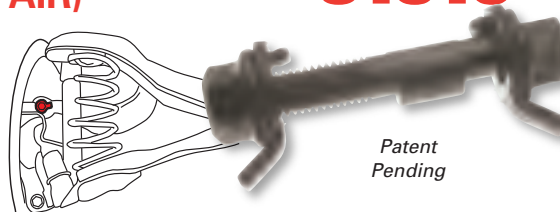
APPLICATIONS

Ford: 2000 - 11 Focus
Volvo: 2008 & Up C30
2004 & Up S40, V50

FORD FOCUS REAR CAMBER KIT (PAIR)

81310

This kit replaces the outer bolt of the upper rear control arm and provides plus or minus 1° of camber adjustment. Perfect for lowered vehicles or standard alignments.



Front Adjustment range:
Camber $\pm 1.00^\circ$ /Caster $\pm 1.00^\circ$

Installation time: 1.0 hr/side

Required: 1 kit per wheel

APPLICATIONS

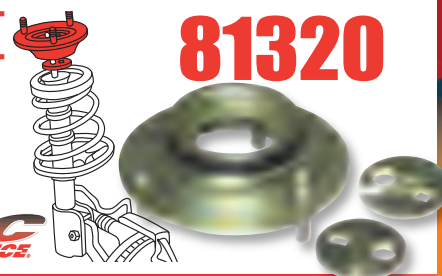
Ford: 2000 & Up Focus

FORD FOCUS FRONT CAMBER/CASTER KIT

81320

Now you can adjust the front camber and caster on the Ford Focus with this upper strut plate. To install, remove the strut assembly, compress the spring and replace the O.E. upper bearing plate with the **81320**.

SPC
PERFORMANCE



Front Adjustment range:
Camber $\pm 1.00^\circ$ /Caster $\pm 1.00^\circ$

Installation time: .9 hr/side

Required: 1 kit per wheel

APPLICATIONS

Audi: 2000 - 06 TT FWD/AWD
Volkswagen: 1999 & Up Beetle
1999 - 06 Golf, GTi (A4)
2004 - 06 Golf R32, 1999 - 05 Jetta (A4)

VW/AUDI FRONT CAMBER/CASTER KIT

81340

Adjust both camber and caster with this new kit on current model Volkswagens and Audis. Simply remove the strut assembly, compress the spring and replace the O.E. upper bearing plate with this adjustable plate assembly.



SPC
PERFORMANCE

Front Adjustment range:
Camber $\pm 1.50^\circ$ Caster $\pm 1.50^\circ$

Installation time: .7 hr/side

Required: 1 kit per wheel

81350 APPLICATIONS

Audi: 1998 - 08 A4, 2007 - 08 A5/S5
1998 - 04 A6/Allroad/RS6
2007 - 08 RS4, 2000 - 08 S4

Volkswagen: 1996 - 05 Passat

81360

APPLICATIONS

Audi:
2009 & Up A4, S4, S5
2009 & Up Quattro



AUDI AND VW FRONT UPPER MULTI LINK ARM SET

81350

81360

This set of adjustable upper control arms will allow $\pm 1.5^\circ$ Camber and/or Caster change on a wide range of Audi and VW models. These arms directly replace factory fixed-length arms, allowing easy adjustments after installation. Engineered for both street and track use, forged 6061-T6 aluminum ends with large 18mm threaded adjuster

links assure this is the strongest kit available. Maintenance free ball joints and bushings provide factory ride, handling, and NVH performance.



SPC
PERFORMANCE

NEW

World Application Wheel Alignment Catalog (part #20019)

Printed in three languages, English, Spanish and French, this comprehensive alignment catalog features our most popular parts, tools, accessories used in the world market.

Applications for many European, Asian and Latin American specific vehicles are available in our easy to use make/model year format. With such diverse vehicles as Alfa Romeo 916 Spiders to Vauxhall Zafirs this catalog will be the source for vehicle alignment applications around the world. The catalog also contains all of our North American applications, making this the perfect publication for French and Spanish speaking techs in the United States, Canada and Mexico.



82110

GM CAMBER KIT (PAIR)



This cam bolt kit changes camber up to 2-1/2° positive or negative.

Strut with boss

Front Adjustment range: Camber $\pm 2.50^\circ$

Installation time: .4 hr/side Req.: 1 kit per axle

APPLICATIONS

See application charts, pages 7-44 for years.

Buick: Century, Skylark

Chevrolet: Celebrity, Citation, Lumina AP

Oldsmobile: Ciera, Custom Cruiser FWD, Cutlass Cruiser, Omega, Silhouette APV

Pontiac: Phoenix, Transport APV, 6000, and rear of Pontiac Fiero

82120

CAMBER KIT (PR)



This cam bolt kit changes camber up to 2.5°. It includes an adjusting plate to make the camber adjustment possible. After elongating the lower strut/spindle bolt hole with a rotary file, install the **82120** bolt and plate, rotating the bolt head to the desired adjustment.

85125 - Rotary File Set, pg 127

Front Adjustment range: Camber $\pm 2.50^\circ$

Installation time: .6 hr/side Req.: 1 kit per axle

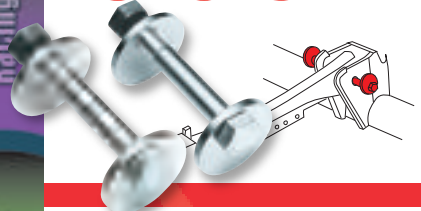
APPLICATIONS

See application charts, pages 7-44 for years.

Buick: Electra, Le Sabre, Park Avenue, Reatta, Regal, 95 Riviera, Skyhawk, Somerset **Cadillac:** Allante, Cimarron, Deville, Eldorado, Fleetwood, Seville, STS **Chevrolet:** Beretta, Camaro, Cavalier, Corsica, Lumina Sedan, Monte Carlo **Chrysler:** Concord, LHS, New Yorker **Dodge:** Intrepid, Monaco **Eagle:** Medallion, Premier, Vision **Ford/Lincoln/Mercury:** Cars with modified strut suspensions **Lexus:** ES250, ES300 **Oldsmobile:** Achieva, Aurora, Calais, Cutlass Supreme, Delta 88, Firenza, 98 Regency, Toronado, Trofeo **Pontiac:** Bonneville, Firebird, Grand Am, Grand Prix, J2000, Sunbird, Sunfire **Toyota:** Avalon, Camry, Previa

82370

JEEP REAR PINION ANGLE ADJUSTING BOLTS



Correct rear pinion angle on Jeep TJs by replacing the OEM bolts on the upper trailing arms with these cam bolts. Rotate to make adjustments.

64225 - Angle Gauge, pg 121

Rear Adjustment range:

Pinion Angle $\pm 2.00^\circ$

Installation time: .3 hr/axle

Required: 1 kit per axle

APPLICATIONS

Jeep: 1997 - 06 TJ Series

82380 82390

JEEP CASTER/ PINION ANGLE ADJUSTERS



These cams replace the front axle bolt and provide caster and pinion angle (up to $\pm 3^\circ$ total change). NOTE: Our **#82380** is for 1997 - 06 Wrangler TJs, 1993 - 98 Grand Cherokees and 1994 - 98 Ram Trucks **with 36mm cams**.

To elongate OEM bolt holes on the **#82390** use our knock out punch - **74910**. Front caster will change as you adjust pinion angle. Use our off-set ball joints (**23510-23540** - page 49) for additional caster adjustment and to adjust camber.

Front Adjustment range:

Caster $\pm 1.50^\circ$ /Pinion Angle $\pm 1.50^\circ$

Installation time: .4 hr/axle

Required: 1 kit per axle

82380 APPLICATIONS

Jeep: 1997 - 06 TJ Series
1993 - 98 Grand Cherokee

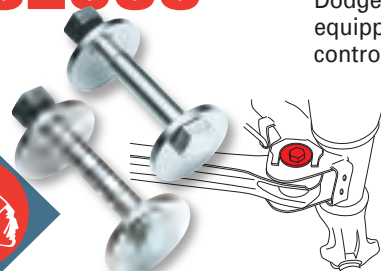
Dodge: 1994 - 98 Ram Trucks
with 36mm cams

82390 APPLICATIONS

Jeep 4WD: 2007 & Up Wrangler JK

82385

DODGE/RAM CASTER CAMS



Dodge solid front axled 3/4 and 1-ton trucks equipped with non-adjustable or corroded lower control arm bolts can now replace their OEM bolts with the **82385** Caster Adjustment Cam Kit (pr). These replacement cam bolts provide caster adjustment up to $\pm 2.00^\circ$. Achieve desired alignment settings with or without suspension lift kits along with providing additional positive caster for improved tracking.

Front Adjustment range:

Caster $\pm 2.00^\circ$

Installation time: .4 hr/axle

Required: 1 kit per axle

APPLICATIONS

Dodge 4WD: 1994 & Up 2500, 3500
1994 & Up 3500 Chassis Cab

Dodge RWD: 1994 & Up Dodge 3500
Chassis Cab w/beam front axles

NEW

Front Adjustment range: Camber $\pm 75^\circ$

Installation time: .8 hr/side Req.: 1 kit per axle

APPLICATIONS

See application charts, pages 7-44 for years.

Datsun: 240Z, 260Z, 280Z, 810

Nissan: 200SX, 280ZX, 300ZX, Maxima



73010 - Punch,
pg 123

NOTE: Make sure bolt is long
enough before cutting hole.

NISSAN CAM KIT

83115

To correct camber remove the O.E. lower control arm attaching bolt and move arm away from the bracket. Using **73010** Punch, enlarge the hole in the bracket and re-attach the lower control arm using the correct mm bolt. To adjust, rotate the cam bolt.



Adjustment range: See Applications below

Installation time: .4 hr/side Req.: 1 kit per wheel

APPLICATIONS

Front camber or caster Adjustment range: $\pm 2.00^\circ$

Chrysler Products: 1960 - 73 all cars,
1972 - 88 D100, D200, D300 pickups, 1970 - 78 all
vans, 1972 - 89 RWD Ramcharger, Trailduster

Front camber Adjustment range: $\pm 2.00^\circ$

Ford/Mercury: 1966 - 70 Fairlane, Falcon, Montego,
Torino, 1967 - 73 Cougar, Mustang, 1969 - 77
Maverick, Comet, 1975 - 80 Granada, Monarch

Rear camber Adjustment range: $\pm 2.00^\circ$

Chevrolet: Corvette 1963 - 82

CHRYSLER/ FORD/GM O. E. REPLACEMENT CAMBER/ CASTER KIT (PR)

83160

These cams are used as an O.E. replacement on the front and/or rear of vehicles listed.



Front Adjustment range: Camber $\pm 2.50^\circ$

Installation time: .4 hr/side

Required: 1 kit per axle

APPLICATIONS

Chrysler: 1996 & up Mini-Vans, All FWD
except Omni and Horizon

CHRYSLER CAMBER KIT (2)

83170

These heavy duty adjusters provide up to $\pm 2\frac{1}{2}^\circ$ front camber change for Chrysler Mini-Vans.



85130 - Rotary File
Set, pg 127



Front Adjustment range:
Camber/Caster $\pm 2.00^\circ$

Installation time: .5 hr/side

Required: 1 kit per wheel

APPLICATIONS

GM 4WD: 1988 - 99 1500, 2500, 3500

C & K series RWD/4WD trucks
1990 & Up Safari AWD Van

Chevrolet 4WD: 1990 & Up Astro
AWD Van

GM RWD: 1996 - 02 610, 620, 630,
Savana

GM HEAVY DUTY CAMBER/CASTER KIT (PR)

83790

These heavy duty cam bolts replace the upper control arm mounting bolts. This kit has the added convenience of slip-on cams which makes installation easier. Remove the O.E. Bolts and replace them with these cams, rotating to provide camber and caster adjustment. Use **74910** punch to remove the O.E. slugs and elongate the holes. If necessary, **87400** includes 4 cam and bolt assemblies to cover both sides of the vehicle (page 84).



74910 - Punch, pg 123

Rear Adjustment range:

Camber $\pm 1.0^\circ$ (2 per side)

Camber $\pm .5^\circ$ (1 per side)

Installation time: .4 hr/axle

Required: 1 kit per wheel

APPLICATIONS

Lexus: 2006 & Up IS

LEXUS IS CAM BOLT (PR)

84110

This camber bolt kit replaces the inner bolts on the upper and lower rear camber arms, allowing up to 1° of total camber change. Simply install the bolts, line up the tab on the washer for desired direction of change, and turn the bolt head to adjust camber readings. Bolts may be used one per side for $.5^\circ$ max of camber change or two per side for 1° max.



Patent
Pending



Did you know we carry suspension parts for American Muscle Cars? Whether you are rodding or racing your classic muscle car check out pages 87-91.

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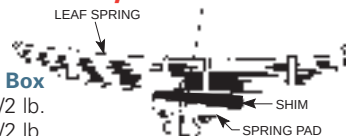
1-800-525-6505

84199- 84899

TRUCK AXLE SHIMS (HD ZINC ALLOY)

APPLICATIONS: Any solid axle RWD or 4WD vehicle.

No.	Width	Degree Taper	Qty Box	Wt Box
84199	2-1/4" - 2-1/2"	1/2°	6	1-1/2 lb.
84299	2-1/4" - 2-1/2"	1°	6	1-1/2 lb.
84399	2-1/4" - 2-1/2"	1-1/2°	6	2 lb.
84499	2-1/4" - 2-1/2"	2°	6	2-1/4 lb.
84599	2-1/4" - 2-1/2"	2-1/2°	6	2-3/4 lb.
84699	2-1/4" - 2-1/2"	3°	6	2-3/4 lb.
84799	2-1/4" - 2-1/2"	3-1/2°	6	3-1/4 lb.
84899	2-1/4" - 2-1/2"	4°	6	3-1/4 lb.



Breakaway

Note: Ordering one Part Number supplies six shims in a box. When placing order spring pad length and width is needed.

For additional shim widths see pages 75 & 86

84690 84695

84690 1/16" thick

84695 1/8" thick

HONDA CASTER SPACERS

These spacers change caster approximately 1/8° (84690) and 1/4° (84695). Adding spacers between the strut rod assembly and the large washer repositions the lower control arm to decrease caster. Removing them increases caster. Each part number comes in a package of ten with complete instructions.

Front Adjustment range:
Caster -.125° to -.25°

Installation time: .5 hr/side

Required: 1 spacer per wheel

APPLICATIONS

Acura: 1996 -97 2.2CL
1996 - 99 3.0CL, 1996 - 98 2.5TL
1996 - 98 and 2004 & Up 3.2TL
Honda: 1990 - 02 Accord

85600

SATURN REAR TOE KIT

The 85600 kit of two cam bolts replaces the inner mounting bolts on the rear parallel arms. This allows adjustments on rear toe up to 1° positive or negative. No grinding on the trailing arm bracket is required.

Rear Adjustment range:
Toe ±1.00°

Installation time: .5 hr/axle

Required: 1 kit per axle

APPLICATIONS

Saturn: 1991 - 03 S-Series

85690 85695

85695 1/8" thick

85690 1/16" thick

TOYOTA CASTER SPACERS

These spacers change caster approximately 1/8° (85690) and 1/4° (85695). For Toyota models with stabilizer bushings at the lower control arms. Adding spacers to the stabilizer bar decreases caster and removing them increases caster. Each part number comes in a package of ten with complete instructions.

Front Adjustment range:
Caster -.125° to -.250°

Installation time: .2 hr/side

Required: 1 spacer per wheel

APPLICATIONS

Toyota: All models w/ stabilizer bar at the lower control arms

86140

EXPLORER/MOUNTAINEER FRONT CASTER/CAMBER KIT

Caster and camber adjustments can be made easily by installing this kit. By replacing the stock alignment washers on the upper control arms, caster and camber can be adjusted by turning the cam nuts to obtain the proper readings. These cam kits give you the full range of caster and camber adjustment and once installed can make alignment changes for the life of the vehicle.

Front Adjustment range:
Camber ±.75°/Caster ±1.25°

Installation time: .4 hr/side

Required: 1 kit per axle

APPLICATIONS

Ford: 2002 - 05 Explorer
Lincoln: 2003 - 05 Aviator
Mercury: 2002 - 05 Mountaineer

Rear Adjustment range:
Camber $\pm 50^\circ$

Installation time: .2 hr/side

Required: 1 kit per axle

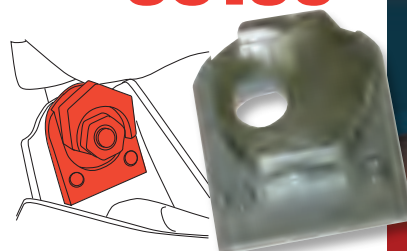
APPLICATIONS

Ford: 2002 - 05 Explorer
Lincoln: 2003 - 05 Aviator
Mercury: 2002 - 05 Mountaineer

EXPLORER/MOUNTAINEER REAR CAMBER KIT

86180

This camber adjuster lets you easily adjust camber on the Explorer/Mountaineer fully independent rear suspension systems. Full range of camber adjustment can be made by replacing the stock alignment washer on the rear lower control arm and installing the plate and cam nut. Camber can then be adjusted by turning the cam nut until the desired readings are obtained.



Front Adjustment range:
Camber $\pm 1.00^\circ$ Caster $\pm 1.50^\circ$

Installation time: .3 hr/side

Required: 1 kit per wheel

APPLICATIONS

Ford: 2004 & Up F150
2007 & Up Expedition
Lincoln: 2006 & Up Mark LT
2007 & Up Navigator



FORD ADJUSTABLE CAM NUT/ BRACKET

86250

The innovative cam nut and sturdy bracket saves time and money. Easily adjust camber and caster on F150's from '04 and up (including late model) and '07 & up Expeditions. No need to remove the OE bolt or stabilizer bar. The sturdy guide bracket allows for live adjustment. This is a must have for every 2004 - Up F150 and 2007 - Up Expedition.



Rear Adjustment range: Pinion $\pm 2.50^\circ$
Installation time: .5 hr/axle Req.: 1 kit per axle

APPLICATIONS

Ford: 2004 & Up F150, 2007 & Up Expedition
Lincoln: 2006 & Up Mark LT, 2007 & Up Navigator



64225 - Angle Gauge, pg 121

F150 PINION ANGLE SHIMS

86255

This wedge-type shim fits the 2 hole design of this platform between the rear spring and the axle to change pinion angle. Perfect to align the driveline on vehicles that have been lowered or lifted.



Locks in OEMA adjustment.

Installation time: .3 hr/side Req.: 1 kit per wheel

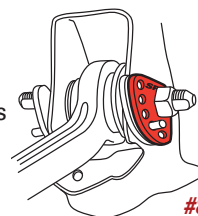
APPLICATIONS

Chevrolet/GMC/Hummer 4WD: 2002 & Up Avalanche 1999 & Up K1500, 1999 & Up K2500 & K3500 Standard & Heavy Duty, 2000 & Up Suburban 2000 & Up Tahoe/Yukon, 2002 & Up H2
Chevrolet/GMC RWD: 2002 & Up Avalanche, 1999 & Up C1500, 1999 & Up C2500 & C3500 Standard & Heavy Duty, 2000 & Up Suburban 2000 & Up Tahoe/Yukon

GMC ALIGNMENT CAM LOCK PLATE

86320

This lock plate is designed to keep the front alignment angles in position by replacing the existing slotted cam. For newer models of GMC's 1500, 2500 and 3500 vehicles.



Replacement Pins
#86325 - Below

Replacement Part
Installation time: .3 hr/side 8 pins per package

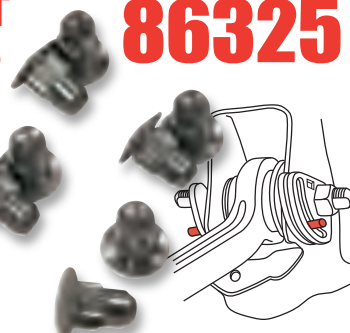
APPLICATIONS

Chevrolet/GMC/Hummer 4WD: 2002 & Up Avalanche 1999 & Up K1500, 1999 & Up K2500 & K3500 Standard & Heavy Duty, 2000 & Up Suburban 2000 & Up Tahoe/Yukon, 2002 & Up H2
Chevrolet/GMC RWD: 2002 & Up Avalanche, 1999 & Up C1500, 1999 & Up C2500 & C3500 Standard & Heavy Duty, 2000 & Up Suburban 2000 & Up Tahoe/Yukon

GMC ALIGNMENT PINS

86325

These pins replace the alignment pins in the GM vehicles listed. The pins make it easier to align the vehicle and often become bent or crushed and need to be replaced. **Includes 8 pins.**



Parts

86330 86350

GMC RWD/4WD FRONT CAMBER BUSHINGS

Replace the upper OE bushings with these offset control arm bushings to get $\pm 1.0^\circ$ of additional camber change. OE style rubber maintains the original ride characteristics.



 **79500 - Bushing Sleeves, pg 125**
72509 - Ball Joint Press, pg 123

Front Adjustment range: Camber $\pm 1.00^\circ$

Installation time: .8 hr/side Req.: 1 kit per wheel

86330 APPLICATIONS

Chevrolet/GMC 4WD:

1999 & Up K2500 & K3500 Standard & Heavy Duty
2000 & Up Suburban 2500, 1992 - 99 Suburban

Hummer 4WD: 2002 & Up H2

Chevrolet/GMC RWD:

1999 & Up C2500 & C3500 Standard & Heavy Duty
2000 & Up Suburban 2500, 1992 - 99 Suburban

86350 APPLICATIONS

Chevrolet/GMC RWD/4WD: 2002 & Up Avalanche

1999 & Up C1500 (RWD Only)
2003 & Up Express & Savana, 1988 & Up K1500
1992 & Up Suburban, 1992 & Up Tahoe/Yukon

86360

GMC MID-SIZED CAMS

GM's late-model mid-sized 4WD's have very little clearance to adjust the camber and caster with the OE adjusting cams. These specially designed adjusters replace the OE adjusters, and feature a $3/8"$ square drive hole, allowing fast and easy "on-the-vehicle" adjustments with any standard breaker bar. The unique design saves time by installing onto the OE bolt - no need to replace the bolt - and allows for quick future adjustments.



 **45938 - Alignment Socket, pg 121**

Front Adjustment range:

Camber $\pm 1.50^\circ$ /Caster $\pm 1.50^\circ$

Installation time: .5 hr/side

Required: 1 kit per wheel

APPLICATIONS

Chevrolet: 2004 & Up Colorado

GMC: 2004 & Up Canyon

Hummer: 2006 & Up H3

Isuzu: 2006 & Up i350

86370

GMC VAN ALIGNMENT CAM PLATE (EACH)

Designed to be easily adjusted with a $3/8"$ drive breaker bar, this cam makes the difficult to align 2003 and up GMC Savana and Chevy Express Vans a snap. Simply replace the OE cam on the forward bushing with this cam and you will be able to dial in camber and caster. These cams can also be used as replacement cams for 1999 & up full size Chevrolet/GMC Trucks and SUVs.



Replacement Pins #86325 - page 81

Front Adjustment range:

Camber $\pm 1.50^\circ$ /Caster $\pm 1.50^\circ$

Installation time: .3 hr/side

Required: 1 kit per wheel

APPLICATIONS

Chevrolet/GMC RWD & 4WD:

2003 & Up Express & Savana
1500, 2500, 3500

86375

GMC REPLACEMENT FRONT ALIGNMENT PLATE AND CAM (PAIR)

The **86375** kit is a stock OE replacement cam/bolt kit for newer GM 1/2, 3/4, and 1 ton truck and van applications from 1999 and up. These kits are for camber and caster adjustment. Fast, simple installation. For more change see our bushings **86330** & **86350** (above) or our new adjustable ball joint **23960** (page 53).



Replacement Pins #86325 - page 81

Front Adjustment range: Camber/Caster $\pm 1.50^\circ$

Installation time: .3 hr/side Req.: 1 kit per wheel

APPLICATIONS

Chevrolet/GMC RWD & 4WD: 2002 & Up Avalanche
1999 & Up C & K 1500, C & K 2500 and C & K3500
Standard and Heavy Duty
2000 & Up Suburban, 2000 & Up Tahoe/Yukon

APPLICATIONS - VANS

Chevrolet/GMC RWD & 4WD:

2003 & Up Express & Savana 1500, 2500, 3500

86640

FRONT CAMBER/CASTER EXPEDITION KIT

This kit allows for easy adjustment of the lower control arm to make camber and caster changes. Uses the OE bolts with the new cams and adjusting plates to give you lifetime camber and caster adjustments.



Front Adjustment range:

Camber $\pm 1.00^\circ$ /Caster $\pm 1.50^\circ$

Installation time: .4 hr/side

Required: 1 kit per wheel

APPLICATIONS

Ford: 2002 - 06 Expedition

Lincoln: 2003 - 06 Navigator

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Rear Adjustment range:
Camber $\pm 1.00^\circ$

Installation time: .3 hr/side

Required: 1 kit per wheel

APPLICATIONS

Ford: 2002 - 06 Expedition

Lincoln: 2003 - 06 Navigator

REAR CAMBER EXPEDITION KIT

86680

This rear camber kit replaces the bolt on the upper control arm near the wheel. The adjusting plate locks into existing holes in the rear knuckle assembly making this a very easy-to-use and time saving kit.



Front Adjustment range: Caster $\pm 1.00^\circ$

Installation time: .7 hr/side Req.: 1 kit per axle

87225 APPLICATIONS

Ford RWD: 1981-86 F100, F250, F350, 1981-88 F150

Ford 4WD: 1981-88 F150, 1981-83 F250, F350

87275 APPLICATIONS

Ford RWD/4WD: All twin I-beams with coil springs not listed above, except E-Series Vans.

FORD CASTER BUSHINGS (2 PR)

87225 87275

This set of eccentric bushings replace the O.E. radius arm bushings and provides up to 1° caster change.



Installation time: .4 hr/side

Required: 1 kit per axle

APPLICATIONS

Ford: Twin I-Beam - *Installed next to bushing, behind the washer and nut.*

RESILIENT RADIUS ARM TENSIONERS (PAIR)

87270

Correct wander and extend radius arm bushing life on trucks with radius arms and strut rod suspensions with bushings $1/2''$ or thicker, and approx. $2-1/4''$ diameter.



Front Adjustment range: Caster $\pm 2.00^\circ$

Installation time: .7 hr/side Req.: 1 kit per axle

APPLICATIONS

RWD Ford: 1992 - 96 F150, 1992 - 97 Rangers
1992 - 96 F250 (L/D), 1992 - 98 F250 (H/D), F350
1992 - 98 E-Series vans

FORD TRUCK RWD CASTER KIT

87280

This part (number **87280**) fits many late model Ford truck and vans with 20mm bolts. With this kit you can adjust caster up to $\pm 2.0^\circ$.



Front Adjustment range:
Camber $\pm 1.75^\circ$ /Caster $\pm 1.75^\circ$

Installation time: .3 hr/side Req.: 1 kit per axle

APPLICATIONS

Ford RWD & 4WD: 1995 - 01 Explorer

1998 - 00 Ranger, 2001 - 02 Sport Trac

Mercury RWD & 4WD: 1995 - 01 Mountaineer

Mazda RWD & 4WD: 1998 & Up B-Series Pickup

EXPLORER CAMBER/ CASTER KIT (4)

87310

This set of 4 cams allows for quick installation without having to remove the upper control arm bolt. Change camber and caster up to $\pm 1.75^\circ$.



Rear Adjustment range:
Camber $\pm 1.00^\circ$ Toe $\pm 1.00^\circ$

Installation time: .5 hr/side

Required: 1 kit per axle

APPLICATIONS

Ford: 1986 - 06 Taurus Sedan

Mercury: 1986 - 06 Sable Sedan

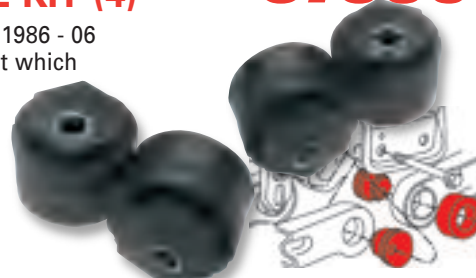


8370 - Tie Rod Puller,
pg 117

TAURUS/SABLE SEDAN REAR CAMBER-TOE KIT (4)

87330

To change rear camber and toe on 1986 - 06 Taurus and Sable sedan, use our kit which allows up to $\pm 1.0^\circ$ change in camber and $1/2''$ toe change. Remove the O.E. bushings and toe adjusters on the inner pivot points and replace with the eccentric bushings. Rotate the bushings to adjust camber and/or toe.



Parts

87350

TAURUS/SABLE WAGON REAR CAMBER KIT

This kit provides camber change up to $\pm 2\frac{1}{2}^\circ$ on each rear wheel of Ford Taurus and Mercury Sable Station Wagons Only. After replacing the inner lower control arm bolt and elongating the hole, install the **87350** cam bolt and rotate the head to adjust camber.



85130 - Rotary File, pg 127

Rear Adjustment range:
Camber $\pm 2.50^\circ$

Installation time: .5 hr/side

Required: 1 kit per axle

APPLICATIONS

Ford:

1986 - 05 Taurus Station Wagon

Mercury:

1986 - 05 Sable Station Wagon

87365

FORD, MERCURY, LINCOLN CAMBER ADJ. BOLT

The **87365** Adjustable Camber Kit allows additional camber changes up to $\pm 1.5^\circ$ for a total of $\pm 2.5^\circ$, on the popular Ford Crown

Victoria, Mercury Marquis, and the Lincoln Town Car. Sagging of the

suspension on these heavy-weight vehicles is normal and routinely causes negative camber problems. Elongating the cam slots is completed in seconds using the new **85137** 3/8" Rotary File for Aluminum.



Front Adjustment range:
Camber $\pm 2.5^\circ$

($\pm 1.5^\circ$ more than stock change)

Installation time: .8 hr/side

Required: 1 kit per wheel

APPLICATIONS

Ford: 2003 -11 Crown Victoria/Fleet

Lincoln: 2003 -11 Town Car

Mercury: 2003 -11 Grand Marquis
2003 - 04 Marauder



85130 - Rotary File, pg 127
02099 - Boot Clamp, pg 135

87385

F150/250 (L/D) CAMBER/CASTER KIT (4)

Use this kit to change caster and/or camber on these vehicles. Simply replace the existing upper control arm

mounting bolts with these cam bolts for caster/camber changes up to 2.0° .



Front Adjustment range:
Camber $\pm 2.00^\circ$ /Caster $\pm 2.00^\circ$

Installation time: .4 hr/side

Required: 1 kit per axle

APPLICATIONS

Ford RWD & 4WD: 1997 - 03

F150, F250 (L/D), 1997 - 02

Expedition, 2004 F150 Heritage

Lincoln RWD & 4WD:

1997 - 02 Navigator

87400

GM RWD AND 4WD CAMBER/CASTER KIT (4)

These heavy duty cams replace the upper control arm mounting bolts. Remove the O.E. bolts and replace with cams, rotating to provide camber and/or caster adjustment. It may be necessary to remove O.E. slugs and elongate the bolt holes with **74910** punch. **83790** includes 2 cams to cover one side of the vehicle (page 79).



74910 - Punch, pg 123

Front Adjustment range:
Camber $\pm 2.00^\circ$ /Caster $\pm 2.00^\circ$

Installation time: .4 hr/side

Required: 1 kit per axle

APPLICATIONS

GM RWD & 4WD:

1988 - 99 C&K 1500, 2500, 3500

1990 & Up Safari AWD Van

Chevrolet RWD & 4WD:

1990 & Up Astro AWD Van

87420

GM REAR CAM NUT

This cam nut replaces the non-adjustable nut on the rear lower control arm of GM's Theta platform.

The offset nut provides $\pm 1^\circ$ of toe change when used in conjunction with the stock camber nut. This kit can be used to adjust either the camber or toe adjusting bolts.



Rear Adjustment range: Toe $\pm 1.00^\circ$

Install. time: .3 hr/side Req.: 1 kit per wheel

APPLICATIONS

Chevrolet: 2005 & Up Equinox

Pontiac: 2006 - 09 Torrent

Saturn: 2006 - 09 Vue

Suzuki: 2006 & Up XL-7

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Front Adjustment range:
Camber $\pm 2.00^\circ$ /Caster $\pm 2.00^\circ$

Installation time:
Passenger Side: .4 hr/side
Driver Side: .7 hr/side
Required: 1 kit per axle

APPLICATIONS

Ford RWD & 4WD:

1995 - 01 Explorer, 1998 & up
Ranger, 2001 & Up Sport Trac

Mercury RWD & 4WD:

1996 - 01 Mountaineer

Mazda RWD & 4WD:

1998 & Up B-Series Pickup

FORD EXPLORER CAMBER/CASTER KIT (4)

87500

These Ford Explorers and Rangers have a torsion bar suspension with limited caster and no camber adjustment. This kit will provide up to 2° positive or negative camber/caster adjustment. Simply replace the O.E. upper control arm mounting bolts with the **87500** cam bolts for fast and efficient adjustment now and in the future. One kit covers both sides of the vehicle.



Front Adjustment range:
Camber $\pm 2.00^\circ$ /Caster $\pm 2.00^\circ$

Installation time: .3 hr/side Req.: 1 kit per wheel

APPLICATIONS

Infiniti RWD & 4WD: 2005 & Up QX56

Nissan RWD & 4WD: 2004 & Up Titan

2005 & Up Armada, Frontier, Pathfinder, Xterra

Suzuki RWD & 4WD: 2006 & Up Equator

NISSAN CAMBER/ CASTER KIT (2)

87520

These cams are designed to install in the lower control arms for camber and caster adjustment. They replace the original non-adjustable lower control arm bolts.



Front Adj. range: Camber $\pm 1.00^\circ$ /Caster $\pm 2.00^\circ$

Installation time: .4 hr/side Req.: 1 kit per axle

APPLICATIONS

87540 Ford: 2002 - 06 Thunderbird

87545 Lincoln: 2002 - 06 LS

T'BIRD/LS FRONT CAM/CAS KIT

87540 87545

These kits install in the lower control arms and provides easy and precise adjustment for caster and camber without any further modifications.



Front Adj. range: **88901** Cam./Cas. $\pm 1.20^\circ$
88902 Cam./Cas. $\pm 1.50^\circ$
88903 Cam./Cas. $\pm 1.80^\circ$
88904 Cam./Cas. $\pm 2.20^\circ$

Installation time: 1.4 hr/side

Required: 1 per wheel

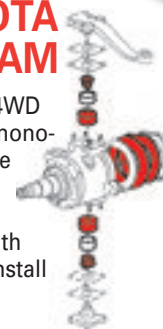
APPLICATIONS

Toyota 4WD: 1979 - 90 w/ 40, 60 or 70 series monobeam axle

TOYOTA MONOBEAM

88901 88902 88903 88904

These sleeves fit Toyota 4WD with series 40, 60, or 70 monobeam axles. Dismantle the hub assembly and press out the upper and lower bearing races. Replace with the correct offset races. Install the new bearings and reassemble the hub.



Front Adj. range: **88905** Cam./Cas. $\pm 1.00^\circ$
88906 Cam./Cas. $\pm 1.50^\circ$

Installation time: 1.4 hr/side

Required: 1 per wheel

APPLICATIONS

Suzuki 4WD: 1986 - 96 Samurai

SUZUKI SAMURAI 4WD

88905 88906

Samurai 4WD combination sleeves come in two different sizes to change camber, caster or both without causing a binding in the steering.



SPC understands the luxury car market. We design parts for some of the most popular luxury cars - Mercedes, Lexus, BMW, Audi and more. When these owners bring their vehicles in for repairs, they expect to have the job done right - and with SPC's quality parts, you can do the job right, the first time.

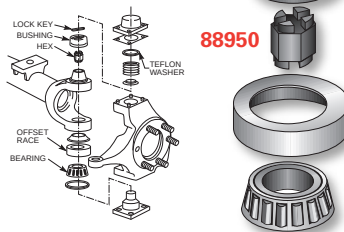


Parts

88940
88950

DANA 60 AXLE CAM/CAS KITS

These exclusive kits provide a camber and caster change for Dana 60 Axles. Replace the O.E. bushing with the correct eccentric bushing, rotate to adjust caster/ camber and lock in place. These kits provide full adjustment for future alignments.



Front Adj. range: **88940** Cam/Cas $\pm 1.00^\circ$
88950 Cam/Cas $\pm 1.50^\circ$

Installation time: **88940** .4 hr/side
88950 1.4 hr/side

Required: 1 per wheel

MONOBEAM - DANA 60 APPS

Chevrolet: 1977 - 91 K/V 30
Dodge: 1960 - 93 W300/350
Ford: 1976 - 91 F250/350
GMC: 1977 - 91 K/V 3500
International: 1966 - 70 1300

89199-
89899

UNI-WEDGE SHIMS (HD ZINC ALLOY)

Twice the coverage - half the inventory. Changes caster positive or negative from $1/2^\circ$ to 4° . **APPS:** Any solid axle RWD or 4WD vehicle.

For additional shim widths see pages 75 & 80



Double Breakaway



Part No.	Width	Degree Taper	Qty/Box
89199	3" - 3-1/2" - 4"	$1/2^\circ$	6
89299	3" - 3-1/2" - 4"	1°	6
89399	3" - 3-1/2" - 4"	$1-1/2^\circ$	6
89499	3" - 3-1/2" - 4"	2°	6
89599	3" - 3-1/2" - 4"	$2-1/2^\circ$	6
89699	3" - 3-1/2" - 4"	3°	6
89799	3" - 3-1/2" - 4"	$3-1/2^\circ$	6
89899	3" - 3-1/2" - 4"	4°	6

Note: Ordering one Part Number supplies six shims in a box. When placing order spring pad length and width is needed.

89635

TAURUS/SABLE FRONT KIT (PR)

This kit provides front camber adjustment on popular Ford Taurus and Mercury Sable sedans. Camber adjustment up to 1.25° . These plates are sold in pairs, one for each side of the vehicle.



Front Adjustment range: Camber 0° to $+1.25^\circ$

Installation time: 1.0 hr/side

Required: 1 kit per axle

APPLICATIONS

Ford: 1996 - 06 Taurus Sedan & Wagon
Mercury: 1996 - 06 Sable Sedan & Wagon

89675

CONTOUR/COUGAR FRONT CAMBER/CASTER KIT

Now you can bring the front camber and caster back into specs with this adjustable strut mount. Simply replace the original upper strut mount with the **89675** and rotate the adjustable plate to bring your alignment back to OE specs. Future adjustments can be made without removing the strut.

Front Adjustment range: Camber $\pm 1.00^\circ$ /Caster $\pm 1.00^\circ$

Installation time: 1.2 hr/side

Required: 1 kit per wheel

APPLICATIONS

Ford: 1995 - 00 Contour
Mercury: 1995 - 02 Cougar
1995 - 00 Mystique



89685

FORD WINDSTAR CAMBER KIT (PAIR)

This kit provides front camber adjustment on this popular minivan. Camber adjustment of up to 1.25° . These plates are sold in pairs, one for each side of the vehicle.

Front Adjustment range: Camber 0° to $+1.25^\circ$

Installation time: 1.0 hr/side

Required: 1 kit per axle

APPLICATIONS

Ford: 1994 - 03 Windstar
2004 - 07 Freestar
Mercury: 2004 - 07 Monterrey



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SPC Knows Muscle

Bring modern handling and adjustability to your classic muscle car. By replacing your front upper and lower control arms and adding high performance springs you can once again enjoy driving your muscle car.

Mustang II Suspensions

With both Adjustable Upper Control Arms and Tubular Lower Control Arms SPC Performance Pro Series will meet your Mustang II Street Rod needs. You can easily adjust the upper arms for maximum handling and minimized tire wear. Arms include everything needed for your custom chassis including ball joints. Stock or 2" dropped spindles are available separately.

Part #	Description
93000	Mustang II LCA for Coilover Suspension - LEFT
93010	Mustang II LCA for Coilover Suspension - RIGHT
93040	Mustang II LCA for Stock Style Suspension - LEFT
93050	Mustang II LCA for Stock Style Suspension - RIGHT
94000	Mustang II Adj. UCA for Coilover Suspension - L or R
94800	Mustang II Adj. UCA for Stock OR Air Ride Susp. - L or R
93020	Mustang II Stock Forged Spindle - LEFT
93030	Mustang II Stock Forged Spindle - RIGHT
93080	Mustang II 2" Dropped Spindle - LEFT
93090	Mustang II 2" Dropped Spindle - RIGHT



Ball Joints

.5" Extended Length OEM Style Ball Joints

These greasable, OEM style extended length ball joints are ideal to improve camber gain and increase control arm to frame clearance.

Ideal for the ultimate in handling performance.

Part #	Moog Equiv	Description
94016	K5103	Lower Ball Joint for GM 'A' Bodies (Press in for 94344 Lower Arm)
94018	K6145	Lower Ball Joint for GM 'G' Bodies (Press in for 95336 Lower Arm)
94017	K5208	Upper Ball Joint for GM Mid Size Bolt In Metric Plate
94019	K5108	Upper Ball Joint for GM 1st Gen 'F' Body & 'A' Body ('64 -'72)

OEM Style Ball Joints

These ball joints fit a variety of GM and Chrysler applications. If you are installing our Adjustable Control Arms these ball joints are the perfect fit to finish your suspension upgrade or a direct fit to replace a worn ball joint on a stock arm.

Part #	Moog Equiv	Description
94002	K772	Upper Chrysler Screw-In Ball Joint  68880 - Socket pg 122
94003	K6034	Upper GM C2/C3 Corvette & Tri 5 Bolt-In Ball Joint
94004	K6024	Upper GM Full-Sized Bolt-In Ball Joint
94006	K5208	Upper GM Mid-Sized Metric Bolt-In Ball Joint
94007	K6346	Upper C4 Corvette Bolt-In Ball Joint
94008	K719	Lower Chrysler Screw-In Ball Joint  68880 - Socket pg 122



NEW Components

SPC Performance offers fully adjustable, rugged upper control arms to adjust your front end and meet your exact needs. These arms provide quick and easy adjustment for standard or lowered heights. Fine tune your handling and alignment while minimizing tire wear. Perfect for Pro Touring as well as track or street use. **Sold as individual arms.**



New, upgraded threaded chromoly cross shafts accept both our standard OE style pivots or our Premium Pivots



Optional Premium Low-Friction Offset Pivots with Greaseable Delrin Sleeves are available for all our GM Muscle Car Arms - Optimizing your suspension with race-type quality. Part No. 92025



Optional Premium Extended Length Ball Joint
#94017 (page 87)
Standard Ball Joint
#94006 (page 87)

'A' BODY



94320 Right or Left Lowered vehicles and Tall/Aftermarket Spindles

Includes a flat midsize plate, adjustable sleeves, OE style (minimal deflection) pivots.

94324 Right • 94325 Left Stock Height

Includes a 20° midsize plate, adjustable sleeves, #94304 spacer kit (next page), OE style (minimal deflection) pivots.

Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Req.: 1 kit per wheel

APPLICATIONS

Buick: 1964 - 72 GS, Skylark, Special
Chevrolet: 1964 - 72 Chevelle, El Camino, Malibu
1968 - 72 Monte Carlo
Oldsmobile: 1964 - 72 442, Cutlass/Supreme
Pontiac: 1964 - 72 GTO, LeMans, 1964 - 70 Tempest

Lower Arms page 89, Pro Springs page 90

1ST GENERATION 'F' BODY



94305 Right or Left Lowered vehicles and Tall/Aftermarket Spindles

Includes a flat midsize plate, adjustable sleeves, OE style (minimal deflection) pivots.

94302 Right • 94303 Left Stock Height

Includes a 20° midsize plate, adjustable sleeves, #94304 spacer kit (next page), OE style (minimal deflection) pivots.

Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Req.: 1 kit per wheel

APPLICATIONS

Buick: 1973 - 74 Apollo
Chevrolet: 1967 - 69 Camaro, 1968 - 74 Nova
Pontiac: 1967 - 69 Firebird

Lower Arms page 91, Pro Springs page 90

2ND GENERATION 'F' BODY



94340 Right or Left Lowered vehicles and Tall/Aftermarket Spindles

Includes a flat midsize plate, adjustable sleeves, OE style (minimal deflection) pivots.

94342 Right • 94343 Left Stock Height

Includes a 20° midsize plate, adjustable sleeves, #94304 spacer kit (next page), OE style (minimal deflection) pivots.

Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Req.: 1 kit per wheel

APPLICATIONS

Buick: 1971 - 76 LeSabre, 1973 - 77 Century, Grand National, Regal, 1975 - 75 Skylark
Chevrolet: 1970 - 81 Camaro, 1973 - 77 El Camino, Malibu, Monte Carlo, 1975 - 79 Nova
Oldsmobile: 1973 - 77 Cutlass/Supreme
1975 - 79 Omega, 1971 - 77 88
Pontiac: 1971 - 76 Bonneville, 1970 - 81 Firebird
1973 - 75 Grand Am, 1973 - 77 Grand Prix, LeMans

Lower Arms page 91, Pro Springs page 90

'G' BODY



94330 Right or Left Lowered vehicles and Tall/Aftermarket Spindles

Includes a flat midsize plate, adjustable sleeves, OE style (minimal deflection) pivots.

94331 Right • 94332 Left Stock Height

Includes a 20° midsize plate, adjustable sleeves, #94304 spacer kit (next page), OE style (minimal deflection) pivots.

Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Req.: 1 kit per wheel

APPLICATIONS

Buick: 1978 - 87 Grand National, Regal
Chevrolet: 1978 - 87 El Camino, Malibu, Monte Carlo
Oldsmobile: 1978 - 88 Cutlass/Supreme
Pontiac: 1982 - 86 Bonneville, 1978 - 80 Grand Am
1978 - 88 Grand Prix, 1978 - 81 LeMans

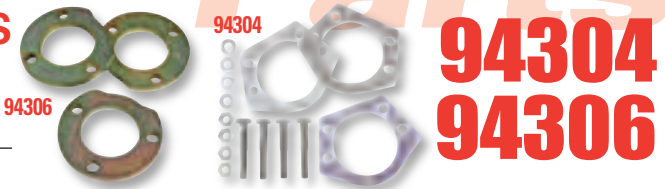
Lower Arms page 91, Pro Springs page 90

ADJUSTABLE ARM SPACER KITS

Ball Joint Spacers raise the arm to improve frame clearance. Three 1/4" spacers and hardware.

94304 For GM 'F', 'A', and 'G' Body Upper Control Arms

94306 For GM 1955 - 57 'Tri-5' Upper Control Arms



Front Fixed Change: Caster +1.00°

Installation time: 1.2 hr/side

Required: 1 kit per axle

Pro Springs #94391/94392 (pg. 90)

Coilover Mount #94348 (pg. 90)

Ride Height Tuning Kit #94347 (pg. 90)

APPLICATIONS

Buick: 1964 - 72 GS, Skylark, Special

Chevrolet: 1964 - 72 Chevelle, El Camino, Malibu 1968 - 72 Monte Carlo

Oldsmobile: 1964 - 72 442, Cutlass/Supreme

Pontiac: 1964 - 72 GTO, LeMans

1964 - 70 Tempest



94016 - Premium Upgrade Extended Length Ball Joint - see page 87

GM 'A' BODY TUBULAR LOWER ARMS (PR)

94344

These arms lower your front end by 1" and add 1° positive caster for a ready-to-run, aggressive stance. Optional Ride Height Tuning Kits are available for use with our Pro Series Springs or 'standard type' springs to raise the ride height if desired. If you have coilovers use our Coilover Mount and Spacer Plate. Shown with optional OEM style bump stop (#95339 pg 91).



Front Adjustment range:
Camber ±3.00° Caster ±3.00°

Installation time: .7 hr/side

Required: 1 kit per wheel

APPLICATIONS

Model/Year	Arm	Style
Tri-5 (1955-57)	94350	Street R&L
C2/C3 (1963-82)	94360	Street R&L
Impala (1958-64)		
C2/C3 (1963-82)	92740	Race R&L
C4 (1984-87)	94368	Street - Right
C4 (1984-87)	94369	Street - Left
C4 (1984-87)	92748	Race - Right
C4 (1984-87)	92749	Race - Left
C4 (1988-96)	94370	Street - Right
C4 (1988-96)	94371	Street - Left
C4 (1988-96)	92750	Race - Right
C4 (1988-96)	92751	Race - Left

Corvette & GM 'Tri-5' Adjustable Upper Control Arms

Adjust camber and caster for maximum handling and performance with our adjustable arms for Corvettes and 'Tri-5' Bodies. Arms include a steel cross shaft with street style or race pivots and ball joint plate.

Street Style:

Includes Steel Cross Shaft with Custom Pivots and OE style (minimal deflection) pivots.

Race Style:

Steel Cross Shaft with Offset Race Pivots w/Delrin Inserts.



New, upgraded threaded chromoly cross shafts accept both our standard OE style pivots or our Premium Pivots



Optional Premium Low-Friction Offset Pivots with Greaseable Delrin Sleeves are available for our Corvette and 'Tri-5' Arms - Optimizing your suspension with race-type quality. Part No. 92025



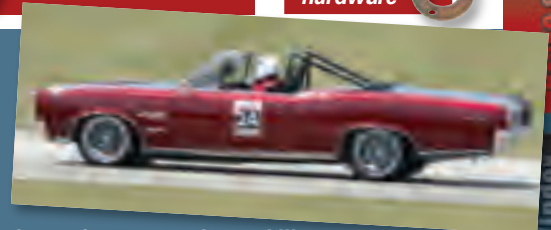
Optional Ball Joints (not included - Pg 87)
#94350 & #94360 uses #94003
#94368/69 uses #94007
#94370/71 uses #94007

Optional #94306 - "Tri-5" Spacer Kit Includes spacers and hardware



American muscle cars, like Bill Herder's '66 Pontiac GTO, show their age when it comes to their poor handling and drivability. Add to that the rigors of racing and these older cars and their antiquated suspensions just don't measure up. When racing or Pro-Touring these older cars suffer from poor front-end geometry and alignment. These combine to make for mediocre handling and a wandering ride in these cars.

Savitske Classic and Custom owner and author of "How to Make Your Muscle Car Handle", Mark Savitske knew he could provide the owners of these classics the cornering performance and tractability they wanted. With SPC Performance's adjustable upper control arms and SPC tubular lowers, Savitske's customers can really discover the benefits of Pro-Touring, classic style with the improved handling and control of modern cars.

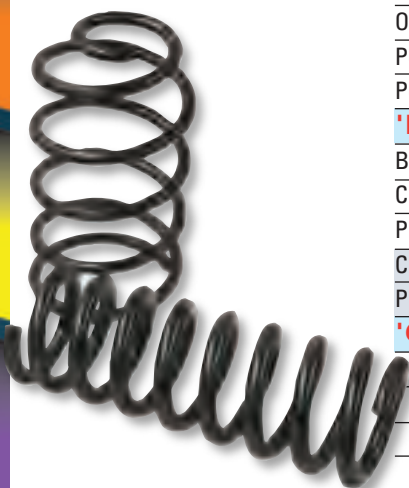


Parts

Pro Springs

94390
94391
94392
94393
94394

SPC
PERFORMANCE



SPC Performance Pro Spring Kit offers immediate handling enhancement and gives your muscle car an aggressive stance! Front springs provide approximately a 1.3" drop and rear springs 1.0" drop. Highest quality and design assures springs will retain optimum rates for unsurpassed performance. Springs are epoxy coated with a diamond black color and have a lifetime warranty. Sold as a complete vehicle package. If you are using these springs with our lower arms, and need to fine tune your ride height use our Height Tuning Kit sold below.

Make	Model	Pro Springs	Ride Height Tuning Kit
'A' Body - Set of 4 Springs - Front and Rear			
Buick	GS, Skylark, Special (64-67)	94391	94347
Buick	GS, Skylark, Special (68-72)	94392	94347
Chevrolet	Chevelle, El Camino, Malibu (64-67)	94391	94347
Chevrolet	Chevelle, El Camino, Malibu, Monte Carlo (68-72)	94392	94347
Oldsmobile	442, Cutlass, Cutlass Supreme (64-67)	94391	94347
Oldsmobile	442, Cutlass, Cutlass Supreme (68-72)	94392	94347
Pontiac	GTO, LeMans, Tempest (64-67)	94391	94347
Pontiac	GTO, LeMans, Tempest (68-72)	94392	94347
'F' Body - Set of 2 Springs - Front Only			
Buick	Apollo (73-74)	94393	94347
Chevrolet	Camaro (67-69), Nova (68-74)	94393	94347
Pontiac	Firebird (67- 69)	94393	94347
Chevrolet	Camaro (70-81)	94394	95333
Pontiac	Firebird (70-81)	94394	95333
'G' Body - Set of 4 Springs - Front and Rear			
Buick	Grand National, Regal (78-87)	94390	95333
Chevrolet	El Camino, Malibu, Monte Carlo (78-88)	94390	95333
Oldsmobile	Cutlass, Cutlass Supreme (78-88)	94390	95333
Pontiac	Bonneville (83-86), Grand Am (78-80), Grand Prix (78-88), LeMans (78-81)	94390	95333

94347
95333



RIDE HEIGHT TUNING KITS

This combination of Helical (2) and Flat Coil Spring Spacers (4) are designed to maximize your ride height options. By combining the flat spacers along with the helical spacer you can get exactly the look you want for your classic muscle car. Using the 1/2" flat spacers and the 1" helical spacer you can get front ride height changes from 1/2" to 2".

APPLICATIONS

94347 'A' Bodies
1st Gen. 'F' Bodies

95333 2nd Gen. 'F' Bodies
'G' Bodies

SPC
PERFORMANCE

94348
95338



COILOVER MOUNT & SPACER PLATES

Using coilovers? Use our Coilover Mount and Spacer Plates to maximize your load distribution. Sold in sets of 2, this pair of plates offers the perfect landing for your coilovers. Each plate raises your ride height approximately 1/2" when used with our lower arms. If you use one plate along with your coilovers and SPC lower arms you will gain about 1/2" in ride height. If you use two plates you will gain about 1" in ride height.

APPLICATIONS

94349 'A' Bodies
1st Gen. 'F' Bodies

95338 2nd Gen. 'F' Bodies
'G' Bodies

SPC
PERFORMANCE



Race with SPC. Check out our customizable adjustable control arms in our Racing Section - pages 112 - 115

1-800-525-6505

Call for your nearest distributor, product info or
Technical Assistance • In the USA and Canada

www.specprod.com

Installation time: 1.2 hr/side Req.: 1 kit per axle

APPLICATIONS

94374 1st Generation F Body (pair)

Pro Springs #94393 (pg. 90)

Coilover Mount #94348 (pg. 90)

Height Tuning Kit #94347 (pg. 90)

Buick: 1973 - 74 Apollo

Chevrolet: 1967 - 69 Camaro
1968 - 74 Nova

Pontiac: 1967 - 69 Firebird



94378 2nd Generation F Body (pair)

Pro Springs #94394 (pg. 90)

Coilover Mount #95338 (pg. 90)

Ride Height Tuning Kit #95333 (pg. 90)

Buick: 1971 - 76 LeSabre, 1973 - 77 Century,
Grand National, Regal, 1975 - 75 Skylark

Chevrolet: 1970 - 81 Camaro, 1973 - 77 El Camino,
Malibu, Monte Carlo, 1975 - 79 Nova

Oldsmobile: 1973 - 77 Cutlass/ Supreme
1975 - 79 Omega, 1971 - 77 88

Pontiac: 1971 - 76 Bonneville, 1970 - 81 Firebird
1973 - 75 Grand Am, 1973 - 77 Grand Prix, LeMans

GM 'F' BODY LOWER ARMS (PAIR)

94374

These tubular arms are a perfect fit for 1st Gen 'F' Bodies and will lower your front end by 1" as well as add 1° positive caster for an aggressive, ready-to-run stance. Ride Height Tuning Kits and Coilover options available. To complete your arm add an OEM style bump stop (#95339 below).



94378

Our completely redesigned 2nd Gen 'F' lower arms feature a rugged formed plate body. To achieve an aggressive, ready-to-run stance, these arms will add 2.5° positive caster and may be configured for stock or lowered height. Ride Height Tuning Kits and Coilover options available. Shown with an optional OEM style bump stop (#95339 below).



Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Req.: 1 kit per wheel

APPLICATIONS

'B' & 'E' 94450 RIGHT 94451 LEFT

Dodge: 1962 - 65 All Passenger (exc 880)

1970 - 74 Challenger, 1966 - 72 Charger

1965 - 72 Coronet, 1967 - 70 R/T, 1962 - 64 Super Bee

Plymouth: 1962 - 64 All Passenger

1970 - 74 Barracuda, 1965 - 70 Belvedere

1967 - 71 GTX, 1968 - 72 Road Runner

1965 - 72 Satellite

'A' 94460 RIGHT

94461 LEFT

Dodge: 1972 - 76 Dart

Plymouth: 1972 - 75 Valiant



MOPAR 'A', 'B' & 'E' BODY ADJ. CONTROL ARM

These fully adjustable Upper Control Arms transform your classic Mopar from sluggish, non-responsive handling to high performance FUN! Dial in additional positive caster, adjust your camber, and enjoy the feel of up to 6 degrees adjustment! Arms include stock ball joints. Sold as individual arms. Ball joint is included.

Right

94450

Left

94451

Right

94460

Left

94461



Front Fixed Change: Caster +1.00°

Installation time: 1.2 hr/side

Required: 1 kit per axle

Pro Springs #94390 (pg. 90)

Coilover Mount #95338 (pg. 90)

Ride Height Tuning Kit #95333 (pg. 90)

APPLICATIONS

Buick: 1978 - 87 Grand National, Regal

Chevrolet: 1978 - 87 El Camino, Malibu,
Monte Carlo

Oldsmobile: 1978 - 88 Cutlass/Supreme

Pontiac: 1982 - 86 Bonneville

1978 - 80 Grand Am, 1978 - 88 Grand Prix

1978 - 81 LeMans



94018 - Premium Upgrade
Extended Length Ball Joint -
see page 87

GM 'G' BODY TUBULAR LOWER CONTROL ARMS (PAIR)

Improve your handling and tracking with these new tubular arms and lower your front end by 1" and add 1° positive caster for an aggressive, ready-to-run stance. Optional Ride Height Tuning Kits are available for use with our Pro Series Springs or 'standard type' springs to raise the ride height if desired (#95333). If you have coilovers use our Coilover Mount and Spacer Plate (#95338). To complete your arm you can also add an OEM style bump stop (#95339 below).



95336

95339

GM REPLACEMENT BUMP STOP

OEM cone style to replace worn bump stops.

SPC
PERFORMANCE



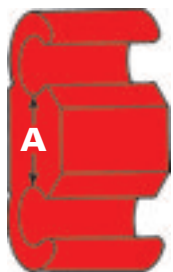
21020

FORD RWD F-SERIES TRUCK COIL SPRING BOLT

When installing coil spring spacers on RWD Ford trucks, often times the existing bolts are not long enough. This 3/4" replacement bolt is 10" long, longer than the OE bolt. It will provide plenty of bolt length to allow installation of the nut when reassembling the suspension. This kit provides both the bolt and the nut.



Coil Spring Stabilizers



Proper alignment is impossible unless coil springs are operating at originally designed height.

Service Tips – Sometimes the front stabilizer may rub against the spring well housing. If this situation occurs, the stabilizer must be installed from the inside of the coil springs. Two sizes of short-nosed stabilizers are available: **24701** (a "short-nosed" **24700**); **24751** (a "short-nosed" **24750**). Two stabilizers are recommended per coil spring (no more, no less). Four per pack.

Due to the curvature of some springs, two sizes may be required for the same spring (Example: 24700 on inside of coil, 24750 on outside). When measuring and installing stabilizers, one space should be skipped between coils.

SMALL DIAMETER = .58 INCHES

LARGE DIAMETER = .63 INCHES

Stabilizer Heights – Narrow units for small diameter (.58") coil springs.

STBLZR. NO.	HEIGHT ("A")	STBLZR. NO.	HEIGHT ("A")	STBLZR. NO.	HEIGHT ("A")
24640	5/8"	24690	7/8"	24740	1-1/4"
		24790	1-1/2"		

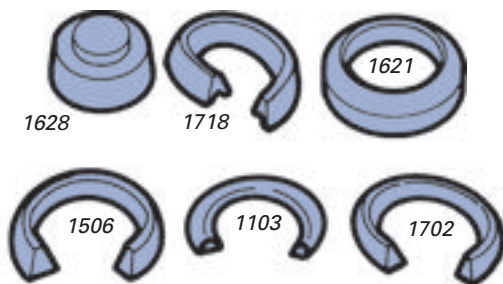
Stabilizer Heights – Regular units for average diameter (.63") coil springs.

STBLZR. NO.	HEIGHT ("A")	STBLZR. NO.	HEIGHT ("A")	STBLZR. NO.	HEIGHT ("A")
24650	5/8"	24751	1-1/4" - Short Nose	24950	2-1/2"
24700	7/8"	24800	1-1/2"	24960	1"
24701	7/8" - Short Nose	24850	1-3/4"	24970	1-1/4"
24750	1-1/4"	24900	2"		

Coil Spring Spacers

PROPER ALIGNMENT REQUIRES CORRECT SPRING HEIGHT

Coil spacers come in various thickness for front and rear coil springs on most cars and trucks. Coil spacers allow shock absorbers to operate through their normal range for longer life and proper response ratios. Spacers restore car trim height for correct front end component relationships, and for improved ride and appearance. They improve stability. When installed in front, car height is raised approximately 2-1/2 to 3 times spacer thickness. Engine weight must be considered. Rear installation on housing raises vehicle approximately 1-1/4 to 1-1/2 times spacer thickness. These spacers are made of aluminum and include one per package.



Make/Model	Year	Top or Bottom	Front					Rear		
			3/8"	1/2"	5/8"	3/4"	1"	1/2"	1"	1-1/2"
AMC										
Ambassador	67-74	B						1621	1622	1620
	71-74	T	1502	1503	1504	1505	1506			
American	64-69	T	2012 2013							
Eagle	80-87	T	1502	1503	1504	1505	1506			
Gremlin/Spirit	71-83	T	1502	1503	1504	1505	1506			
Hornet/ Concord	72-83	T	1502	1503	1504	1505	1506			
Javelin	68-70	T	2012 2013							
	71-74	T	1502	1503	1504	1505	1506			
Matador	67-78	B	1502	1503	1504	1505	1506			
	72-78	B						1621	1622	1620
Pacer	75-80	B	1702	1703	1704	1705	1706			

Make/Model	Year	Top or Bottom	Front					Rear		
			3/8"	1/2"	5/8"	3/4"	1"	1/2"	1"	1-1/2"
BUICK										
Apollo	73-74	B	1102	1103	1104	1105	1106			
	75	B	1702	1703	1704	1705	1706			
Centurion	71-73	B	1702	1703	1704	1705	1706			
	71-73	T or B						1621	1622	1620
Century RWD	73-76	T or B						1621	1622	1620
	73-81	B	1702	1703	1704	1705	1706			
	77-81	T or B						1621	1627	1628
Century FWD	82-96	B	1102	1103	1104	1105	1106			
	82-96	T						1621	1627	1628

Spring Spacers

Coil Spring Spacers Cars/Vans

Make/Model	Year	Top or Bottom	3/8"	1/2"	Front		3/4"	1"	1/2"	Rear 1"	1-1/2"	Make/Model	Year	Top or Bottom	3/8"	1/2"	Front		3/4"	1"	1/2"	Rear 1"	1-1/2"
BUICK (cont.)												CHEVROLET											
Electra/	39-64	B								1602	1603	Beretta	82-94	B			1303				1621	1627	1628
LeSabre	39-84	B	1702	1703	1704	1705	1706					Camaro	67-69	B	1102	1103	1104	1105	1106				
	54-64	T	2006	2007									70-92	B	1702	1703	1704	1705	1706				
	65-76	T or B							1621	1622	1620		82-97	B						1621	1627	1628	
	77-84	T or B							1621	1627	1628	Cavalier	82-94	B						1621	1627	1628	
Station	79-89	T or B							1621	1627	1628		83-94	B			1303						
Wagon Only	84-94	B							2008	2009-3/4		Celebrity	82-90	B	1102	1103	1104	1105	1106				
Special	64-66	B								1602	1603		82-90	T						1621	1627	1628	
Skylark/	64-72	B	1102	1103	1104	1105	1106					Chevelle/	64-66	B							1602	1603	
Somerset	67-72	T or B							1621	1622	1620	Malibu	64-72	B	1102	1103	1104	1105	1106				
	75-79	B	1702	1703	1704	1705	1706						67-76	T or B						1621	1622	1620	
	80-85	B	1102	1103	1104	1105	1106						73-83	B	1702	1703	1704	1705	1706				
	80-85	T							1621	1627	1628		77-83	T or B						1621	1627	1628	
	86-90	B		1303					1621	1627	1628	Chevette	76-87	B			1303			1103	1106		
	91-92	B		1303					1621				76-87	T							2013		
Regal RWD	73-76	T or B							1621	1622	1620	Belair/	55-57	B	1102	1103	1104	1105	1106				
	73-87	B	1702	1703	1704	1705	1706					Caprice/	58-64	T or B	1502	1503	1504	1505	1506	1503	1506		
	77-87	T or B							1621	1627	1628	Chevrolet/	65-70	B	1512	1513	1514	1515	1516				
Riviera	79-85	T							2008	2009-3/4		Impala	65-70	T						1703	1706		
Roadmaster	91-96	B	1702	1703	1704	1705	1706						71-76	T or B	1702	1703	1704	1705	1706	1621	1622	1620	
	91-96	T							1621	1627	1628		71-96	B	1702	1703	1704	1705	1706				
Skyhawk RWD	75-80	B	1102	1103	1104	1105	1106						77-96	T or B						1621	1627	1628	
	75-80	B							1621	1627	1628	Chevy II/	62-67	T	1502	1503	1504	1505	1506				
Skyhawk FWD	82-89	T							1621	1627	1628	Nova RWD	68-74	B	1102	1103	1104	1105	1106				
	83-88	B		1303									75-79	B	1702	1703	1704	1705	1706				
Skylark RWD	64-66	B							1601	1602	1603	Citation	80-85	B	1102	1103	1104	1105	1106		1621	1622	1620
	64-72	B	1102	1103	1104	1105	1106						80-85	T						1621	1627	1628	
	67-72	T or B							1621	1622	1620	Corsica	87-94	B			1303			1621	1627	1628	
	75-79	B	1702	1703	1704	1705	1706						87-96	B									
Skylark FWD	80-85	B	1102	1103	1104	1105	1106						95-96	T						2008	2009-3/4		
	80-94	T							1621	1627	1628	Corvette	63-82	B	1702	1703	1704	1705	1706				
	86-96	B		1303								Laguna	74-76	B	1702	1703	1704	1705	1706				
	95-96	T							2008	2009-3/4			74-76	T or B						1621	1622	1620	
Special RWD	64-66	B								1602	1603	Monte Carlo	70-72	B	1102	1103	1104	1105	1106				
	64-69	B	1102	1103	1104	1105	1106						70-76	T or B						1621	1622	1620	
CADILLAC												CHRYSLER											
Allante	87-88	B	1702	1703	1704	1705	1706					Laser	85-87	B							2012-3/4	2013	
Brougham	79-92	B	1702	1703	1704	1705	1706					LeBaron/GTS	82-94	B							2012-3/4	2013	
	79-92	T or B							1621	1627	1628	New Yorker	83-93	B							2012-3/4	2013	
Calais	65-76	B	1702	1703	1704	1705	1706					E Class	83-93	B							2012-3/4	2013	
	65-76	T							1621	1622	1620	DODGE											
Cimarron	82-86	B							1621	1627	1628	400	82-84	B							2012-3/4	2013	
	83-86	B		1303								600	83-88	B							2012-3/4	2013	
Deville RWD	54-71	T	2006	2007								Aries	81-89	B							2012-3/4	2013	
	64-76	T or B							1621	1622	1620		81-86	T							1103	1106	
	65-84	B	1702	1703	1704	1705	1706						87-90	B							1303		
	77-84	T or B							1621	1627	1628	Daytona	84-93	B							2012-3/4	2013	
Deville FWD	85-93	B							2008	2009-3/4		Dynasty	88-93	B							2012-3/4	2013	
Eldorado	74-78	T or B							1621	1627	1628	Lancer	85-89	B							2012-3/4	2013	
	79-85	B							2008	2009-3/4		Shadow	87-94	T							2012-3/4	2013	
Fleetwood	54-71	T	2006	2007								Spirit	89-95	T							2012-3/4	2013	
RWD	65-76	T or B							1621	1622	1620												
	65-96	B	1702	1703	1704	1705	1706																
	77-96	T or B							1621	1627	1628												
Fitwood FWD	86-92	B							2008	2009-3/4													
Seville	76-79	B	1702	1703	1704	1705	1706		2008	2009-3/4													

Spring Spacers

Coil Spring Spacers Cars/Vans

Make/Model	Year	Top or Bottom	3/8"	1/2"	Front 5/8"	3/4"	1"	1/2"	Rear 1"	1-1/2"
FORD										
Crown Vic./ LTD	49-78	T	2006	2007						
	49-97	B	1702	1703	1704	1705	1706			
	65-78	B						1614	1615	1616
	79-03	T or B						1621	1627	1628
	98-03	B		1903		1905	1906			
Escort/EXP	81-86	B		1303					1303	
	87-90	B	1102	1103	1104	1105	1106			
	91-96	T						1615	1616	
Fairlane	66-70	T			2012	2013				
Fairmont	78-83	B	1502	1503	1504	1505	1506			
	78-83	T						2007		
Falcon	60-70	T			2012	2013				
Granada	75-80	T			2012	2013				
	81-83	B	1502	1503	1504	1505	1506			
	81-83	T						2007		
LTD II	82-86	B	1502	1503	1504	1505	1506			
	82-86	T						2007		
Maverick	69-77	T			2012	2013				
Mustang/ Mustang II	65-73	T			2012	2013				
	74-96	B	1102	1103	1104	1105	1106			
	80-96	T						2007		
Pinto	71-80	B	1102	1103	1104	1105	1106			
Taurus/Wagon	86-95	B	1702	1703	1704	1705	1706			
Tempo	84-94	B	1502	1503	1504	1505	1506	1703	1706	
Thunderbird	61-71	T		2008		2009				
	67-79	B	1702	1703	1704	1705	1706			
	80-88	T						2007		
	80-97	B	1502	1503	1504	1505	1506			
	89-97	T						2008	2009-3/4	
Torino	68-71	T			2012	2013				
	72-79	T or B						1614	1615	1616
	72-81	B	1702	1703	1704	1705	1706			
	80-81	T or B						1621	1627	1628
LINCOLN										
Continental	49-60	T		2008		2009				
	61-78	T	2006	2007						
	70-79	B						1614	1615	1616
	80-81	T or B						1621	1627	1628
	82-84	B	1502	1503	1504	1505	1506	1621	1627	1628
	82-84	T						2007		
Lincoln	82-84	B	1702	1703	1704	1705	1706			
	82-84	T or B						1621	1627	1628
Town Car	80-93	B	1702	1703	1704	1705	1706			
	80-93	T or B						1621	1627	1628

Make/Model	Year	Top or Bottom	3/8"	1/2"	Front 5/8"	3/4"	1"	1/2"	Rear 1"	1-1/2"
MERCURY										
Bobcat	75-80	B	1102	1103	1104	1105	1106			
Capri	79-86	B	1102	1103	1104	1105	1106			
	79-86	T						2007		
Comet	60-77	T				2012	2013			
Cougar	67-73	T				2012	2013			
	74-79	B	1702	1703	1704	1705	1706	1614	1615	1616
	80-97	B	1502	1503	1504	1505	1506			
	80-88	T						2007		
	89-97	T						2008	2009-3/4	
Grand Marquis	79-97	B	1702	1703	1704	1705	1706			
	79-00	T or B						1621	1627	1628
	98-00	B		1903		1905	1906			
Lynx/LN7	82-84	B		1303						
	82-87	T						1615	1616	
Marquis	82-86	B	1502	1503	1504	1505	1506			
	80-86	T						2007		
Mercury	52-78	T	2006	2007						
	52-82	B	1702	1703	1704	1705	1706			
	56-78	B						1614	1615	1616
	79-82	T or B						1621	1627	1628
Monarch	75-80	T		2011		2012	2013			
Montego	68-71	T				2012	2013			
	72-76	B	1702	1703	1704	1705	1706	1614	1615	1616
Sable	86-95	B	1702	1703	1704	1705	1706			
Topaz	84-90	B	1502	1503	1504	1505	1506	1703	1706	
Zephyr	78-83	B	1502	1503	1504	1505	1506			
	78-83	T						2007		
OLDSMOBILE										
88	55-85	B	1702	1703	1704	1705	1706			
	61-63	T						1601	1602	1603
	64-76	T or B						1621	1622	1620
	65-85	T		2008		2009				
	77-85	T or B						1621	1627	1628
	86-96	B						2008	2009-3/4	
98	55-84	B	1702	1703	1704	1705	1706			
	64-76	T or B						1621	1622	1620
	65-84	T		2008		2009				
	77-84	T or B						1621	1627	1628
	85-97	B						2008	2009-3/4	
Achieva	92-94	B						1621		
Calais	85-91	B		1303				1621	1627	1628
Custom	74-92	B	1702	1703	1704	1705	1706			
Cruiser	74-92	T or B						1621	1627	1628
Cutlass/ F-85 RWD	61-66	B						1601	1602	1603
	64-72	B	1102	1103	1104	1105	1106			
	67-88	T or B						1621	1627	1628
	73-88	B	1702	1703	1704	1705	1706			
Cutlass Cierra	82-96	B	1102	1103	1104	1105	1106			
	82-96	T						1621	1627	1628
Firenza	82-88	B						1621	1627	1628
	83-88	B		1303						
Omega	72-74	B	1102	1103	1104	1105	1106			
	75-79	B	1702	1703	1704	1705	1706			
	80-84	B	1102	1103	1104	1105	1106			
	80-84	T						1621	1627	1628
Starfire	75-81	T	1102	1103	1104	1105	1106			
	75-81	B						1621	1627	1628
Toronado	71-78	T or B						1621	1622	1620
	78-85	T						2008	2009-3/4	

Spring Spacers

Coil Spring Spacers Cars/Vans

Make/Model	Year	Top or Bottom	Front					Rear			Make/Model	Year	Top or Bottom	Front					Rear		
			3/8"	1/2"	5/8"	3/4"	1"	1/2"	1"	1-1/2"				3/8"	1/2"	5/8"	3/4"	1"	1/2"	1"	1-1/2"
PLYMOUTH											VANS										
											CHEVROLET										
Acclaim	89-95	B						2012-3/4 2013			Astro	85-89	B	1702	1703	1704	1705	1706			
Champ	79-82	T						1103 1106			Except AWD	90-03	B	1903		1905		1906			
Reliant	81-90	B						2012-3/4 2013			G10, 20,30	68-03	B	1702	1703	1704	1705	1706			
Sundance	87-94	B						2012-3/4 2013													
PONTIAC																					
6000	82-91	B	1102	1103	1104	1105	1106				P30	68-99	B	1702	1703	1704	1705	1706			
	82-91	T						1621	1627	1628	Ventura	97-03	T	1502	1503	1504	1505	1506			
Astre	75-81	B	1102	1103	1104	1105	1106	1621	1627	1628											
Bonneville RWD	58-64	T or B						1601	1602	1603											
	58-81	T	2006	2007																	
	58-86	B	1702	1703	1704	1705	1706														
	65-66	B						1631	1632												
	67-76	T or B						1621	1622	1620											
Fiero	77-86	T or B						1621	1627	1628											
	87-97	B						2008	2009-3/4												
Firebird	84-88	B	1303					1103	1106												
Grand Am	67-69	B	1102	1103	1104	1105	1106														
	70-92	B	1702	1703	1704	1705	1706														
	82-96	B						1621	1627	1628											
Grand Prix	85-97	B	1303					1621	1627	1628											
Grand Safari SW	62-87	B	1702	1703	1704	1705	1706														
	67-87	T or B						1621	1627	1628											
J 2000	77-89	B	1702	1703	1704	1705	1706														
Lemans RWD	77-89	T or B						1621	1627	1628											
	82-85	B						1621	1627	1628											
Phoenix	83-85	B	1303																		
	64-66	B						1601	1602	1603											
	64-72	B	1102	1103	1104	1105	1106														
	67-76	T or B						1621	1622	1620											
Sunbird RWD	73-81	B	1702	1703	1704	1705	1706														
	77-81	T or B						1621	1627	1628											
Sunbird FWD	88-93	B	1303																		
T 1000	80-84	B	1702	1703	1704	1705	1706														
	80-84	T						1621	1627	1628											
Ventura	75-81	B	1102	1103	1104	1105	1106	1621	1627	1628											
	82-94	B	1303					1621	1627	1628											
	81-87	B	1303					1103	1106												
	81-87	T						2012-3/4 2013-1													
	71-74	B	1102	1103	1104	1105	1106														
	75-79	B	1702	1703	1704	1705	1706														

Spring Spacers

Coil Spring Spacers Trucks/SUVs

		Top or Bottom	Front					Rear					Top or Bottom	Front					Rear		
Make/Model	Year		3/8"	1/2"	5/8"	3/4"	1"	1/2"	1"	1-1/2"	Make/Model	Year		3/8"	1/2"	5/8"	3/4"	1"	1/2"	1"	1-1/2"
4WD											RWD										
CHEVROLET											CHEVROLET										
Suburban 1500	02-04	B						1621	1627	1628	El Camino	64-66	B						1602	1603	
Tahoe	02-04	B						1621	1627	1628		64-72	B	1102	1103	1104	1105	1106			
Trailblazer	02-07	B						1621	1627	1628		67-77	T or B						1621	1622	1620
FORD												73-87	B	1702	1703	1704	1705	1706			
Bronco	66-79	B				1711-1"	1712-1.5"					77-87	T or B						1621	1627	1628
	66-79	T		1714		1716	1718				C10, 20, 30	60-71	T or B						1602	1603	
	80-88	B					1619					63-87	B	1702	1703	1704	1705	1706			
	80-96	T		1724		1726	1728				C1500, 2500,	88-06	B		1903		1905	1906			
	*89-96	B		1617		1618	1619				Except HD	88-06	T		2008		2009				
Bronco II	83-89	B				1618	1619				C3500	88-01	B		1903		1905	1906			
	90	B		1817		1818	1819				Except HD	88-01	T		2008		2009				
Explorer	90-94	B		1817		1818	1819				S10	82-03	B	1702	1703	1704	1705	1706			
											Suburban	64-91	B	1702	1703	1704	1705	1706			
Ranger	83-89	B				1618	1619					92-04	B		1903		1905	1906			
	90-97	B		1817		1818	1819				Tahoe	92-04	B		1903		1905	1906			
F-100, 150	66-79	B				1711-1"	1712-1.5"					02-04	B						1621	1627	1628
	66-79	T		1714		1716	1718				Trailblazer	02-07	B						1621	1627	1628
	80-88	B					1619				DODGE										
	80-96	T		1724		1726	1728				D-50	79-81	B	1102	1103	1104	1105	1106			
	*89-96	B		1617		1618	1619				Dakota	86-03	B	1702	1703	1704	1705	1706			
	04-09	T		1703	1704	1705	1706				D-100,150,200	71-93	B		1903		1905	1906			
GMC											250, 300, 350										
Envoy	02-07	B						1621	1627	1628	Ramcharger	75-81	B		1903		1905	1906			
Yukon/	02-04	B						1621	1627	1628	Ram 50	82-90	B	1102	1103	1104	1105	1106			
Yukon XL											R1500,	94-07			1903		1905	1906			
JEEP											2500, 3500										
Cherokee XJ/	84-01	B	1702	1703	1704	1705	1706				FORD (see page 92 for longer coil spring bolt)										
Wagoneer XJ											Courier	73-83	B		1303						
Grand Cher.	93-98	B	1702	1703	1704	1705	1706	1703	1706		Excursion	00-04	B				1618	1619			
Wrangler TJ	97-04	B	1702	1703	1704	1705	1706				Excursion	00-04	T		1724		1726	1728			
											Expedition	97-02	B	1702	1703	1704	1705	1706			
												03-04	T	1702	1703	1704	1705	1706			
											F-100, 250	65-70	T	1702	1703	1704	1705	1706			
											F-100, 150,	65-88	B		1617		1618	1619			
											250, 350	*89-96	B				1618	1619			
											F-100, 150,	71-79	T	1702	1703	1704	1705	1706			
											250 under	80-96	T		1724		1726	1728			
											6900 GVW	97-03	B	1702	1703	1704	1705	1706			
											F-250, 350	80-04	T		1724		1726	1728			
											over	98-04	B				1618	1619			
											6900 GVW										
											Ranchero	68-71	T				2012	2013			
												72-79	B	1702	1703	1704	1705	1706	1614	1615	1616
											Ranger	82-89	B				1618	1619			
												90-97	B		1817		1818	1819			
												98-04	B	1702	1703	1704	1705	1706			
GMC											GMC										
C15, 25, 35	60-71	T or B									C15, 25, 35	60-71	T or B						1602	1603	
C1500, 2500,	63-87	B									C1500, 2500,	63-87	B	1702	1703	1704	1705	1706			
3500	88-06	B										88-06	B		1903		1905	1906			
Except HD	88-06	T									Except HD	88-06	T		2008		2009				
Envoy	02-07	B									Envoy	02-07	B						1621	1627	1628
S-15	82-03	B	1702	1703	1704	1705	1706				S-15	82-03	B	1702	1703	1704	1705	1706			
Sprint/	71-72	B	1102	1103	1104	1105	1106				Sprint/	71-72	B	1102	1103	1104	1105	1106			
Caballero	71-77	T or B										71-77	T or B						1621	1622	1620
	73-87	B										73-87	B	1702	1703	1704	1705	1706			
	78-87	T or B										78-87	T or B						1621	1627	1628
Yukon	02-04	B									Yukon	02-04	B		1903		1905	1906			
	02-04	B										02-04	B						1621	1627	1628
Yukon XL	00-04	B									Yukon XL	00-04	B		1903		1905	1906			

*Measure length of stud above nut holding in spring. Add 1/8" to above measurement.
That is the maximum thickness of spacer recommended without changing bolt.
Discard plastic spring silencer.



36000 Tandem Alignment Set A great starter set!

These alignment angle shims are now available in a heavy duty metal box to help you organize all of your shims. Packaged with a large variety of shims (listed below) and an organization chart inside the lid to make reordering and organization of shims quick and easy.



Part No.	Application	Qty
35001	Kenworth Airglide space 1/32"	6
35002	Kenworth Airglide space 1/16"	6
35003	Kenworth Airglide space 1/8"	6
35004	Kenworth Airglide space 1/4"	6
35005	Kenworth Airglide space 1/2"	6
35006	Kenworth Airglide space 3/4"	6
35007	Kenworth Airglide space 1"	6
35010	Peterbilt Air Leaf Shim 1/32"	2
35011	Peterbilt Air Leaf Shim 1/16"	4
35012	Peterbilt Air Leaf Shim 1/8"	6
35020	Freightliner FAS I Air Ride 1/32"	2
35021	Freightliner FAS I Air Ride 1/16"	4
35022	Freightliner FAS I Air Ride 1/8"	6
35030	Volvo/White 4-Spring Susp 1/32"	2
35031	Volvo/White 4-Spring Susp 1/16"	4

Part No.	Application	Qty
35033	Volvo/White 4-Spring Susp 1/8"	6
35040	Navistar IHC Torque Arm 1/32"	2
35041	Navistar IHC Torque Arm 1/16"	4
35042	Navistar IHC Torque Arm 1/8"	6
35060	Freightliner Airliner Susp 1/32"	2
35061	Freightliner Airliner Susp 1/16"	4
35062	Freightliner Airliner Susp 1/32"	6
35070	Freightliner Air Glide Susp 1/32"	2
35071	Freightliner Air Glide Susp 1/16"	4
35072	Freightliner Air Glide Susp 1/8"	6
36010	Peter/KW Flex-Air Torque Arm 1/32"	2
36011	Peter/KW Flex-Air Torque Arm 1/16"	4
36012	Peter/KW Flex-Air Torque Arm 1/8"	2

Tandem Truck Shims

These over-the-road heavy duty adjusters are a fast and accurate means to align front or rear axles of most popular tandem trailers and trucks. You, the alignment technician, now have reliable means to complete total heavy duty truck alignments.

KENWORTH AIR GLIDE SPACERS FOR "EIGHT BAGGERS"

Part No.	Thickness	Qty
35001	1/32"	6
35002	1/16"	6
35003	1/8"	6
35004	1/4"	6

FREIGHTLINER ADJUSTING SHIM

Part No.	Thickness	Qty
35020	1/32"	6
35021	1/16"	6
35022	1/8"	6

PETERBILT AIR LEAF ADJUSTING SHIM

These shims adjust thrust angle and toe by placing the shim between the spring hanger and the spring.

Part No.	Thickness	Qty
35010	1/32"	6
35011	1/16"	6
35012	1/8"	6

VOLVO/WHITE TANDEM SHIM

Part No.	Thickness	Qty
35030	1/32"	6
35031	1/16"	6
35032	1/8"	6

I.H.C./NAVISTAR TORQUE ARM SHIM

Part No.	Thickness	Qty
35040	1/32"	6
35041	1/16"	6
35042	1/8"	6

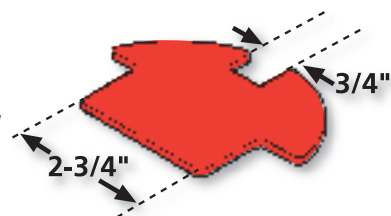
Will change thrust and toe when installed between the torque arm and the spring hanger. On Navistar they will also center the axle with the frame rails when used on the lateral link.

We have parts and tools for Fleet Vehicles - check out our application charts (pages 7 - 44).

Heavy Duty Tandem Truck Shims (cont.)

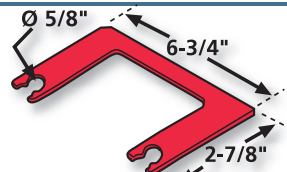
WILSON TANDEM SHIM FOR HUTCHINS SUSPENSION

Part No.	Thickness	Qty
35050	1/32"	6
35051	1/16"	6
35052	1/8"	6



FREIGHTLINER SHIMS FOR AIR GLIDE SUSPENSION

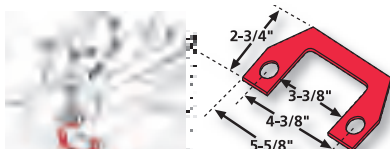
These shims adjust thrust angle and toe by placing the shim between the spring hanger and the spring.



Part No.	Thickness	Qty
35070	1/32"	6
35071	1/16"	6
35072	1/8"	6

PETERBILT/KENWORTH FLEX AIR SUSPENSION SHIMS

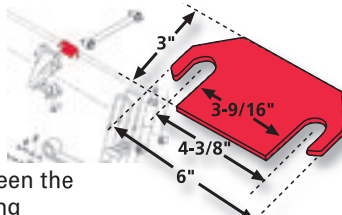
These shims adjust thrust angle and toe by shimming the torque arms.



Part No.	Thickness	Qty
36010	1/32"	6
36011	1/16"	6
36012	1/8"	6

FREIGHTLINER SHIMS FOR FAS II SUSPENSIONS

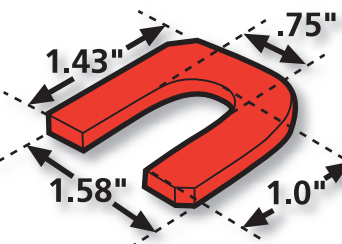
Will change thrust and toe when installed between the torque arm and the spring hanger. They will also center the axle with the frame rails when used on the lateral link.



Part No.	Thickness	Qty
36031	1/16"	6
36032	1/8"	6

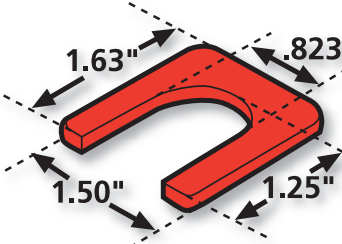
VANHOOE UPPER CONTROL ARM & DRIVE AXLE SHIM

Part No.	Thickness	Qty
36050	1/32"	6
36051	1/16"	6
36052	1/8"	6



PREVOST CASTER SHIM

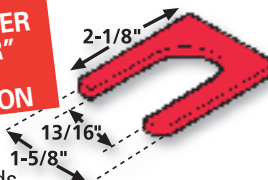
Part No.	Thickness	Qty
36070	1/32"	6
36071	1/16"	6
36072	1/8"	6



SINGLE SLOT TANDEM TRUCK SHIMS

USE FOR FREIGHTLINER "AIRLINER" K77936 SUSPENSION

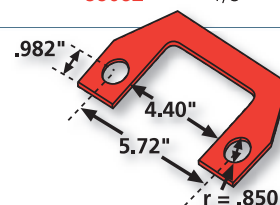
These universal shims are installed at the ends of torque rods to change toe and/or thrust angles on Freightliner, Hendrickson and Navistar heavy duty tandem trucks and trailers.



Part No.	Thickness	Qty
35060	1/32"	6
35061	1/16"	6
35062	1/8"	6

PETERBILT & KENWORTH THRUST ANGLE SHIMS

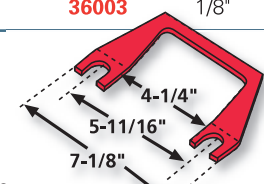
These shims are for the new Peterbilt and Kenworth "Low Air Suspensions".



Part No.	Thickness	Qty
36001	1/32"	6
36002	1/16"	6
36003	1/8"	6

NAVISTAR SHIM FOR "CORPORATE" 6x4 AIR SUSPENSION

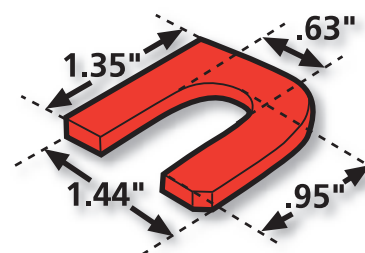
When used on the lateral link these shims will center the axle with the frame rails. Also will adjust thrust angle and toe by placing the shim between the spring hanger and the spring.



Part No.	Thickness	Qty
36020	1/32"	6
36021	1/16"	6
36022	1/8"	6

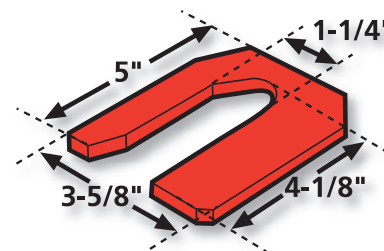
VANHOOE LOWER CONTROL ARM & BOGEY AXLE SHIM

Part No.	Thickness	Qty
36040	1/32"	6
36041	1/16"	6
36042	1/8"	6



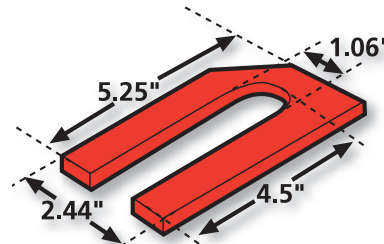
PREVOST CASTER SHIM

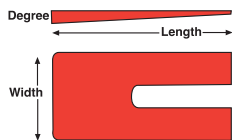
Part No.	Thickness	Qty
36060	1/32"	6
36061	1/16"	6
36062	1/8"	6



PREVOST X & XL SHIM

Part No.	Thickness	Qty
36090	1/32"	6
36091	1/16"	6
36092	1/8"	6





Heavy Duty Truck Axle Shims



Ordering one Part Number supplies **SIX SHIMS** in a box. When placing order spring pad length and width is needed.

NEW! We now have Aluminum, ZINC and Manganese Bronze Shims Available

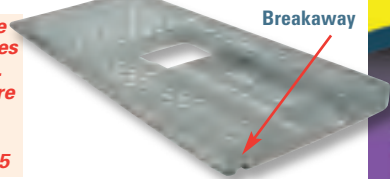
ALUMINUM ALLOY	ZINC ALLOY	MANGANESE BRONZE	SPRING WIDTH	DEGREE	SPR. PAD LENGTH	QTY/ BOX	ALUMINUM ALLOY	ZINC ALLOY	MANGANESE BRONZE	SPRING WIDTH	DEGREE	SPR. PAD LENGTH	QTY/ BOX
10405	10403	10404	2-1/2"	1/2°	5"	6	10605	10603	10604	3-1/2"	1/2°	6-1/4"	6
10412	10413	10414	2-1/2"	1°	5"	6	10612	10613	10614	3-1/2"	1°	6-1/4"	6
10422	10423	10424	2-1/2"	1-1/2°	5"	6	10622	10623	10624	3-1/2"	1-1/2°	6-1/4"	6
10432	10433	10434	2-1/2"	2°	5"	6	10632	10633	10634	3-1/2"	2°	6-1/4"	6
10442	10443	10444	2-1/2"	2-1/2°	5"	6	10642	10643	10644	3-1/2"	2-1/2°	6-1/4"	6
10452	10453	10454	2-1/2"	3°	5"	6	10652	10653	10654	3-1/2"	3°	6-1/4"	6
10462	10463	10464	2-1/2"	3-1/2°	5"	6	10662	10663	10664	3-1/2"	3-1/2°	6-1/4"	6
10472	10473	10474	2-1/2"	4°	5"	6	10672	10673	10674	3-1/2"	4°	6-1/4"	6
10505	10503	10504	3"	1/2°	6"	6	10705	10703	10704	4"	1/2°	6-1/2"	6
10512	10513	10514	3"	1°	6"	6	10712	10713	10714	4"	1°	6-1/2"	6
10522	10523	10524	3"	1-1/2°	6"	6	10722	10723	10724	4"	1-1/2°	6-1/2"	6
10532	10533	10534	3"	2°	6"	6	10732	10733	10734	4"	2°	6-1/2"	6
10542	10543	10544	3"	2-1/2°	6"	6	10742	10743	10744	4"	2-1/2°	6-1/2"	6
10552	10553	10554	3"	3°	6"	6	10752	10753	10754	4"	3°	6-1/2"	6
10562	10563	10564	3"	3-1/2°	6"	6	10762	10763	10764	4"	3-1/2°	6-1/2"	6
10572	10573	10574	3"	4°	6"	6	10772	10773	10774	4"	4°	6-1/2"	6
							10782	10783	--	4"	5°	6-1/2"	6

TRUCK AXLE SHIMS (HD ZINC ALLOY)

APPLICATIONS: Any solid axle 2WD or 4WD vehicle.

Part No.	Width	Degree Taper	Qty/ Box	Part No.	Width	Degree Taper	Qty/ Box
84199	2-1/4" - 2-1/2"	1/2°	6	84599	2-1/4" - 2-1/2"	2-1/2°	6
84299	2-1/4" - 2-1/2"	1°	6	84699	2-1/4" - 2-1/2"	3°	6
84399	2-1/4" - 2-1/2"	1-1/2°	6	84799	2-1/4" - 2-1/2"	3-1/2°	6
84499	2-1/4" - 2-1/2"	2°	6	84899	2-1/4" - 2-1/2"	4°	6

Note: Ordering one Part Number supplies six shims in a box. All sizes of shims are 6" in length. For 1-3/4" to 2" Widths see page 75

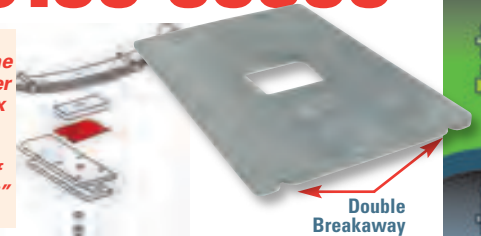


UNI-WEDGE SHIMS (HD ZINC ALLOY)

Twice the coverage - half the inventory. Changes caster positive or negative from 1/2° to 4°. **APPLICATIONS:** Any solid axle 2WD or 4WD vehicle.

Part No.	Width	Degree Taper	Qty/ Box	Part No.	Width	Degree Taper	Qty/ Box
89199	3" - 3-1/2" - 4"	1/2°	6	89599	3" - 3-1/2" - 4"	2-1/2°	6
89299	3" - 3-1/2" - 4"	1°	6	89699	3" - 3-1/2" - 4"	3°	6
89399	3" - 3-1/2" - 4"	1-1/2°	6	89799	3" - 3-1/2" - 4"	3-1/2°	6
89499	3" - 3-1/2" - 4"	2°	6	89899	3" - 3-1/2" - 4"	4°	6

Note: Ordering one Part Number supplies six shims in a box. All sizes of shims are 6" in length.



HENDRICKSON WALKING BEAM SHIMS

These are the OE style shims recommended by Hendrickson. The 36080 offers three adjustments at 0, 3/16" and 3/8". The 36085 gives you four different adjustments of 0, 1/8", 1/4" and 3/8". Each part number includes 2 to a package.



36080
36085

HENDRICKSON HD SHIMS

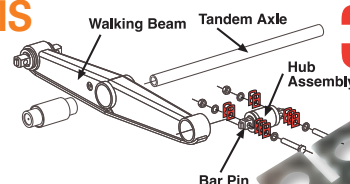
This shim kit will adjust the thrust angle on Hendrickson's 'walking beam' rear tandem axle suspension. Improve tire wear and handling by adjusting thrust angle from 0" to 3/8" in precise 1/32" increments.

REPLACES these OEM kits-

Euclid Nos: E-9327, E-9328, E-9329

Hendrickson Nos: 50130-000, 50131-000, 50132-000

Adj. Range: 3/8" Required: 1 set per wheel Includes: 2 (two)-five piece kits



36087



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1-800-525-6505

Applications

Parts

Heavy Duty

Off-Road

Racing

Tools

Accessories

Brake & CV

Gear/Index

Heavy Duty WHEEL CENTERING PRODUCTS

Wheel Vibrations?

Wheel Hop?

Brake Pedal Pulsations?

Erratic Tire Wear?

Excessive Fuel Consumption?

If you are experiencing these problems, it may be because your wheels aren't centered on the hub. And if your wheels aren't centered, you will continue to experience these problems. With **Specialty Products' Wheel Centering Products**, you can re-center your wheel, and eliminate all of these problems.

Benefits...

Increases fuel mileage

Increases tire life

Decreases tire vibration

Cuts rebalancing costs

Reduces "wheel-off" condition

Reduces tire cupping

Perfect for...

Semi Trucks and Trailers

Heavy & Medium Duty Trucks

Parcel Package Trucks

Emergency Vehicles

Commercial Buses

School Buses

Motor Coaches

Install our wheel centering products on your truck or fleet and start saving money NOW! Simply the BEST solution for tire vibration and erratic wear.

32111
32115

SPC 'EZ ON' Wheel Centering Tool Set

Stop wheel hop and vibrations on hub piloted wheels! Wheel stud hole diameter tolerances can allow wheels to be installed and tightened in an "off center" or clocked position. The 32111 threadless wheel centering tool set (3) fits 22mm studs on Heavy Duty and Over-the-Road Tractors and Trailers. The 32115 is for Ford F450/F550 Super Duty. These tools slide directly over the wheel studs in the 12, 4, and 8 o'clock positions. The wheel is then installed over the tools, the stud nuts added to the exposed studs and tightened. The wheel is now centered precisely. The centering tools are removed and the final stud nuts are added- torquing all nuts to mfg. specifications.

Features

Threadless Design

Tapered Nose

Single Set

Benefits

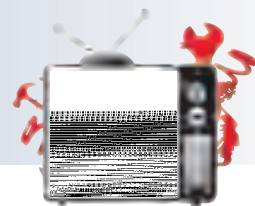
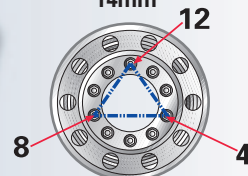
Saves Installation Time

Eases Wheel Mounting

For Steer, Drive & Trailer Axles

32111 OTR Vehicles
22mm

32115 Ford F450/F550
Super Duty
14mm



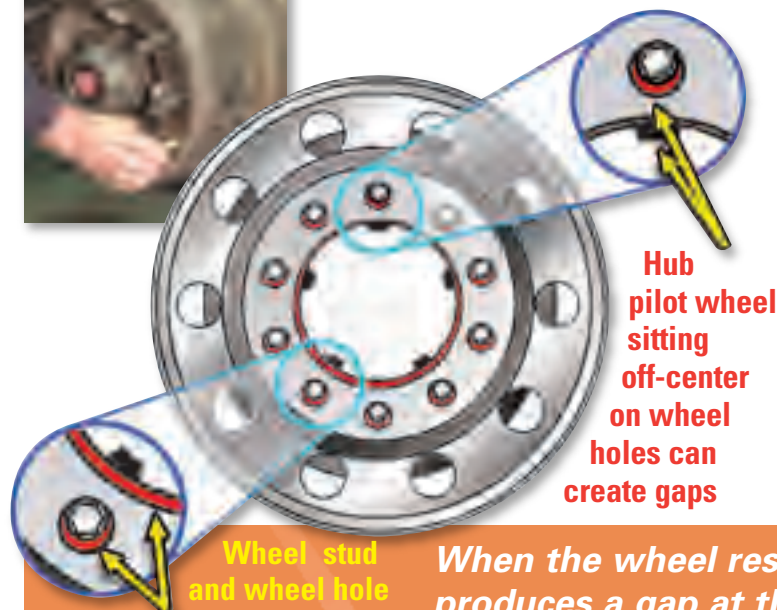
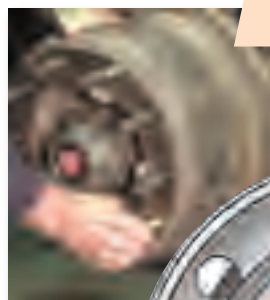
Our new threadless design allows the installer to quickly and easily center the wheels to the hub. And our tapered design makes it easy to mount the wheel over the hub.

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Call for your nearest distributor, product info or
Technical Assistance • In the USA and Canada

www.specprod.com

Heavy Duty WHEEL CENTERING PRODUCTS



How it works

If your hub piloted wheel is sitting on the hub stud off-center (as shown in the illustration to the left) you need these parts and tools to avoid wheel hop and excess tire wear, and to increase your fuel mileage.

The theory behind the hub pilot is it centers the wheel. The fact is gravity causes the weight of the wheel to rest only on the upper pilots creating a gap in the bottom pilots. Even the smallest gap results in an egg-shaped motion upon rotation. This uneven motion creates rolling resistance which causes tire vibration, increased fuel consumption and erratic tire wear. The bottom line is, you can't balance an egg.

Wheel stud and wheel hole gap can create spaces or gaps between wheel and hub pilot

When the wheel rests on the upper hub pilot this produces a gap at the other pilots resulting in an off-center condition. This causes wheel vibration and erratic tire wear.

SPC 'EZ ON' Wheel & Brake Drum Centering Sleeves

These sets center both steer axle HD wheels and brake drums to minimize wheel vibrations, brake pedal pulsations, and wheel hop. For both Aluminum and Steel steer wheels and a variety of brake drum types.

This threadless sleeve design allows the installer to quickly and easily center wheels and brake drums - time saver and affordable!



22mm Steer Wheel - Brake Drum Type	Dimensions	Aluminum Part No.	Steel Part No.	Qty.
Gunite 3573X, 3596X, 3597X, 3598X, 3686X, 3687X, 3710X, 3721AX, 3726X, 3758X, 3774X, 3800X Webb 61528B, 65548B Arvin Meritor 53-123448-002, 53-123567-002, 53-123568-002	1.25" hole/.5" depth	32120	32124	6
Gunite 9000X, 9001X, 9035X Motor Wheel Centrifuse 89870BK, 90089BK, 90174BK Arvin Meritor 53-123512-002, 53-123542-002	1.25" hole/.25" to .3125 depth	32121	32122	6
Conmet 10009920	1.34" to 1.37" hole /.5" depth	32125	32126	6
Conmet 107164, 107453, 107507, 107862, 10001781, 10001783, 10005331, 10005332	1.28" hole /.5" depth	32127	32128	6
Gunite 3596BX, 3753AX, 3754AX	1.00" hole/.5 depth	32123		6

HEAVY DUTY WHEEL CENTERING TOOLS CONSUMER EDUCATION COUNTER MAT

Create extra sales at the counter with this great teaching tool from SPC. This high quality, foam backed mat explains the problems caused by off-centered wheel and the benefits of using our Wheel Centering Sleeves. 11" x 17"



20106



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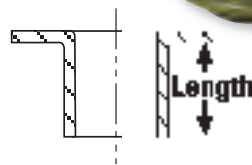
1-800-525-6505

WHEEL CENTERING PRODUCTS



STEER & DRIVE EXTERNAL SLEEVES

For steer and drive axles. This wheel centering sleeve slides over the studs and seats against the wheel face. This sleeve stays on the wheel and helps to reduce "wheel-off" condition. Sold in sets of 6 per axle. Zinc plated to resist corrosion.



Wheel type	Stud Threads	Length Decimal	Length Fraction	Axle Position	Part No.
HEAVY DUTY					
Steel	22mm	.350"	23/64"	Steer	33140
Aluminum (see #33147 for smaller diameter sleeve)	22mm	.830"	53/64"	Steer	33141
Steel/Steel (see #33147 for smaller diameter sleeve)	22mm	.830"	53/64"	Drive	33141
Aluminum/Aluminum	22mm	1.560"	1-9/16"	Drive	33142
Aluminum/Steel	22mm	1.180"	1-3/16"	Drive	33143
"Heavy Duty" Aluminum - Michelin X One, 14" wide	22mm	1.100"	1-7/64"	Drive	33144
"Heavy Duty" Steel - Michelin X One, 14" wide	22mm	.600"	39/64"	Drive	33145
"Heavy Duty" Steel	22mm	1.440"	1-7/16"	Steer & Drive	33146
Aluminum (.010 smaller diameter than #33141)	22mm	.830"	53/64"	Steer	33147
Steel/Steel (.010 smaller diameter than #33141)	22mm	.830"	53/64"	Drive	33147
Alum. Wheel & Brake Drum (cent. wheel & drum)	22mm	1.310"	1-5/16"	Steer & Drive	33148
Aluminum Gunitite Brake Drums #s 3753AX, 3754AX, Freightliner FL60, FL70 & M2, 3596BX & others	22mm	1.310"	1-5/16"	Steer	33149

BRAKE DRUM SPACERS

For steer axles only. These spacers are used with either our Centering Pins or external sleeves to center brake drum holes to stud. Stays on the brake drum to help center. Sold in sets of 6 per axle (except #33131 - 10 pack). Zinc plated to resist corrosion.



Drum type	Drum Nos.	Stud Threads	Dimensions	Part No.
Gunitite	3721AX, 3800X, 3774X, & others	22mm	1.25" hole/.5" flange	33130
Centrifuge	90089BK, 9000X & others	22mm	1.25" hole/.25"-5/16" flange	33131
Conmet	10009920	22mm	1.34"-1.37" hole/.5" flange	33132
Conmet	107164, 107507, 107862, 107453, 10001781, 1001783, 10005331, 10005332	22mm	1.25" hole/.5" flange	33130

WHEEL CENTERING ACCESSORIES

These accessories will make installing our centering sleeves fast and easy.

#33171 ELECTRIC DRILL WIRE BRUSH

Use to clean holes before mounting.



#33172 DEBURR KNIFE

Use to remove damaged edges.



Work smarter - look for this SPC-TV.com icon. This icon means there is a video on the SPC-TV website that shows you how the pros here at SPC Performance install this part.

Tune In • Log On • Earn Now

- Log on to www.spc-tv.com and register - it's easy!
- Watch short videos that show how to install popular parts and our favorite tools
- Learn how to do your job better and faster
- Earn points and get great gear from SPC

Tune into SPC-TV at www.spc-tv.com and start earning points today!



INNER BUDD NUT REMOVAL TOOL

- Ten wear-resistant teeth bite into broken or stripped inner budd nuts, and removes them easily.
- Investment cast and hardened for long life
- Limited Lifetime Warranty
- Designed to be used with a 1-1/2" socket or a 3/4" drive air gun, ratchet or flex handle, this great tool will pay for itself the first time you use it!



33105

ANGLE GAUGE

This angle gauge is an easy, accurate way for measuring frame and drive shaft angles. An ideal tool to ensure the drive line angle is still within specification for all types of vehicles.



64225

UNIVERSAL RADIAL RUN-OUT GAUGE

The Universal Radial Run-Out Gauge displays exact measurements for tire, wheel, and disc brake run-out. This gauge also measures ball joint and tie rod play and adjusts height to adapt to both automotive and heavy truck applications. This is a great tool when measuring those hard to reach areas.

Easy to diagnosis front end vibration

- Measures out of round condition
- Pinpoints high and low spots in the tire
- Determines accurate centering of tire & wheel mounting
- Easy to use - only 2 adjustments

Also measures ball joint play (set-up pictured) and tie rod play



Machined roller & heavy duty tripod for smooth, accurate readings



Includes ball joint/tie rod extenders



HEAVY DUTY TORQUE EXTENSIONS

These heavy duty 1" drive torque extensions provide a fast, simple method to achieve manufacturers' specified torque every time using an impact wrench. No more guesswork! Available in 400 lb-ft (#75580) and 550 lb-ft (#75585) applications, these extensions feature solid one piece construction and have a lifetime guarantee.



75580
75585

STEEL WHEEL RIM STRAIGHTENING TOOL

For quick and easy removal of indentations on wheel flanges and rims of most vehicles. Allows proper tire seating, giving greater tire protection. Powder coated for added durability.



81309

TRUCK WHEEL WEIGHT TOOL

Special grip hammer and pliers for removal and installation of truck wheel weights.



83125

TOOLS
83788



CHROME LUG NUT COVER TOOL

No-Mar coated jaws allow harmless removal and installation of chrome nut covers on light truck, motor home, and over-the-road truck lug nuts.

84238



NO MAR RIM GUARD

Protects from scratching chrome, aluminum, and painted truck wheels when removing lug nuts.

91040

FASTRAX™ CAMBER/CASTER GAUGE

This great tool is a must for your garage or shop. Accurate, portable alignment checks can be done quickly and easily with the FasTrax™ Adjustable Camber/Caster Gauge.

- Includes gauge and wheel mount (fits most wheels from 21" to 26").
- Includes extra length toe arms, heavy duty tape measure and no lip adapters.
- Displays Camber $\pm 4^\circ$ / Caster -4° to $+12^\circ$.
- Saves time and tires.
- Accurate, rugged and easy-to-use



• *The most expensive cost of operating a fleet today is fuel and rubber*

• *By adding 5 minutes to your PMs you can protect your steer tires from premature wear and increase fuel mileage*

• *For less than the price of one steer tire you can **SAVE THOUSANDS OF DOLLARS PER YEAR!***

Perfect to add to your PMs - Check your alignment in just 5 minutes!!!!



91800



HEAVY DUTY TURNTABLES (PAIR)

Full floating with enclosed ball bearings. Large, easy to read dial is quickly adjusted to zero. Pins are easy to remove and lock plates securely. May be used as portable floor units or on racks and pits. Sold in pairs.

Dimensions: 15" x 20" x 2"
Weight Limit: 10,000 lbs/wheel

Unit Weight: 53 lbs each
Range: 100°

91841



TRUCK FRONT SLIP PLATE SET (PAIR)

This slip plate set is used in conjunction with the 99515 (see page 106) toe gauge. Made of steel, these slip plates allow the tire to move freely while the technician sets the toe. Sold in pairs.

Dimensions: 16" x 24" x 3/8" high.

TIRE MATING SQUARE

This tool checks for variance in dual tire mating. Right and left tires should not vary more than 1/2" in diameter. Compare tires by placing the long arm against the side wall and the short arm against the tread.

Dimensions: Long Arm - 48" Short Arm - 26"



91844

S-CAM BUSHING EXTRACTOR

Great tool for any Heavy Duty shop that works on low boys, refers, log trucks and more. Now you can remove and replace the S-Cam bushing on air brake equipped trailers without removing the wheel hub or replacing the wheel seal. Save time and money yourself and for your customer with this innovative durable tool. Offer S-Cam replacement with every brake job.



91860



LO PROFILE EXTENDER BARS

The 91887 Lo Profile Extender Bar is designed to lower the measuring point of the tandems from the hub so that measuring the tracing of low profile trailers, such as car carriers and moving vans can easily be done. Can be used with either the 91888 or the 91890. Sold in pairs.



91877

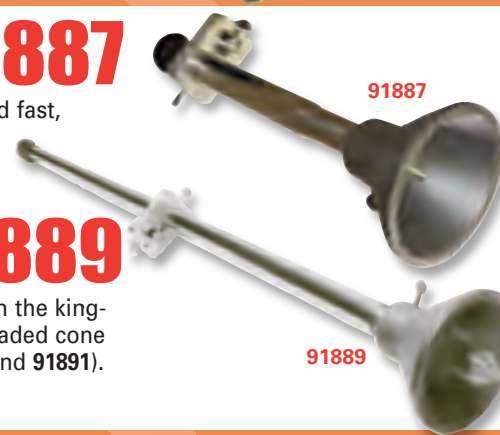
KINGPIN EXTENSION - LO PROFILE

91887

This kingpin extension is for low profile trailer and car carriers. For simple and fast, accurate measurements from the kingpin center to the trailer tandems (to be used with 91888 or 91990 and 91891).

Height 13-1/4"

3" Spring Motion



TRAILER KINGPIN EXTENSION

91889

The trailer kingpin extension makes simple, fast, accurate measurements from the kingpin center to the trailer tandems. It is adjustable in length and has a spring-loaded cone that assures accurate holding to the kingpin (to be used with 91888 or 91990 and 91891).

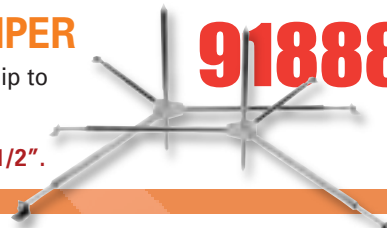
Maximum Height 48" 6 Adjustments in 2" Increments 3" Spring Motion



TANDEM AXLE CALIPER

91888

These sets are used to aid in measuring the tracking of tandem axles in relationship to the kingpin suspensions and the front and rear axles on the tandem. Spring loaded and adjustable they establish a measuring point from the center of the wheel. To be used with 91889 and 91891. Sold in pairs. Fits steel wheels up to 22-1/2".



TANDEM TRACKER SET FOR ALUMINUM WHEELS

91890

This trailer tandem tracker set for **aluminum wheels, up to 28"**, is used to aid in measuring the tracking of the tandem axles in relationship to the kingpin extension and the front and rear axles on the tandem. They fit on the outside of the wheels so will not damage aluminum wheels and you don't need to remove the hub covers. Can also be used on steel wheels. Sold in pairs.



WORKING ON FLEET VEHICLES?

We have all the alignment parts and tools you need for your fleet of light duty vans and trucks. For alignment parts look up your application in our comprehensive application charts starting on page 7. For tools and accessories our tool section starts on page 116.



TOOLS

91891

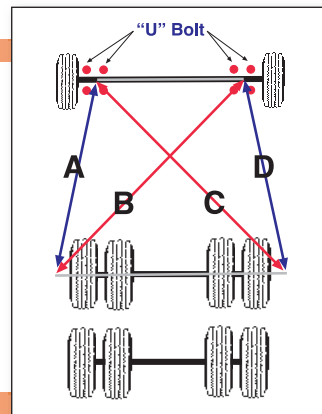
TANDEM AXLE CALIPER

This light weight aluminum caliper is used to check the spacing between the axles of tractors or trailers for alignment and tracking. It has an easy to read scale in both metric and inches, with a range of 72". To be used with 91887, 91888 or 91890 and 91889.

91896

"U" BOLT EXTENSIONS (4)

This extension set is used to measure the tandem axles on tractors in relationship to the front spring "U" bolts. The extenders establish a measuring point on the front axles so you can make accurate measurements to the rear axle. Measurements "A" and "D" should be equal as well as measurements "B" and "C" if the vehicle is tracking correctly on the front axle. Includes four extenders - two with 3/4" threads and two with 7/8" threads. Use with 91877 or 91889 and 91888 or 91890.



Tandem Alignment Systems

91988

STEEL WHEELS

This is a simple method for tracking the rear dual tandems on trucks and tractors. It includes the 91896 "U" Bolt Extensions, a pair of Lo Profile Extension Bars (91877) and a pair of 91888 Tandem Trailer Trackers. With this system the technician can easily check the A and D distances along with the B and C distances (diagram above) to see if the tandems are tracking correctly.

91990

ALUMINUM WHEELS

The 91990 is a simple method for tracking the rear dual tandems on trucks and tractors. It includes the 91896 "U" Bolt Extensions, a pair of Lo Profile Extension Bars (91877) and 91890 Tandem Tracker Set for Aluminum Wheels. With this system the technician can check the A and D distances along with the B and C distances (diagram above) to see if the tandems are tracking correctly.

99515 99517

5" stands included in the 99517 Set

HEAVY DUTY & O-T-R TOE BAR SET

99515 includes 10 in. extra-high stands, two standard 11 in. pointers, two long 17 in. pointers, an 8 ft. bar and 99516 scribe.

TOE BAR SET FOR LIGHT TRUCKS

99517 includes everything in the #99515 Toe Bar Set (two - 11" pointers, two - 17" pointers, 8 ft. bar, 99516 Scribe, 10" stands) plus an additional pair of 5" stands.

99801

HEAVY DUTY SLIP PLATES (PAIR)

With a 2" height these heavy duty slip plates allow for a 2 inch total movement of the rear wheels while adjusting camber and toe alignments.

Wheel Platform: 13-7/8" x 11-1/2"
Weight Limit: 10,000 lbs/wheel

Base: 517" x 11-3/4" x 2



The future of Bump Shocks

The JounceShock is a patented new form of bump shock that will maximize the capacity and performance of your suspension. The nitrogen charged secondary shock adds additional compression damping and controlled rebound to your vehicle's system. The result is: exponential suspension bottoming protection, increased stability and handling at all speeds, and reduced stress and loads for both the vehicle and driver.

Benefits

- Eliminate suspension bottoming
- Increase stability and improve handling at all speeds
- Enhance rock crawling ability
- Improve towing stability and load capacity

Double your suspension capacity in:

- Off-Road Racing
- Rock Crawling
- Rock Racing
- Stock Trucks
- Lifted Trucks
- Fleet Vehicles
- Recreational Off-Road

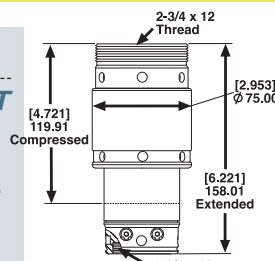
US Patent 7140601 B2



25710

UNIVERSAL BASE UNIT

- For custom installation
- 2-3/8" Bore
- Nitrogen and oil fill adjustable
- Adjustable Compression and Rebound
- 6.221" Extended
- 4.721" Compressed



1.5" TRAVEL JOUNCESHOCK

6" long base unit is great for tight spaces with 1:1, 2:1 or 3:1 motion ratios

For End Mounts see page 108

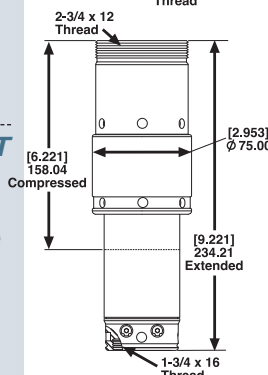
For Rebuild Kits see page 109



25715

UNIVERSAL BASE UNIT

- For custom installation
- 2-3/8" Bore
- Nitrogen and oil fill adjustable
- Adjustable Compression and Rebound
- 9.221" Extended
- 6.221" Compressed



3.0" TRAVEL JOUNCESHOCK

9" long base unit is ideal for 1:1 motion ratios

For End Mounts see page 108

For Rebuild Kits see page 109



Off Road

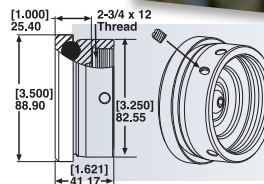
Get it in your Rig!

Component mounts and adapters help you get JounceShocks into your vehicle.

Cylinder End Mounts

25501 15° FLEX MOUNT

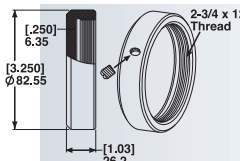
This mount can be welded to your mounting point, giving you 7.5° of articulation in any direction and will most often be used with the Cupped Foot and Domed Target on the shaft end of the shock (part #25601).



Cylinder end female thread mount
Material: Carbon Steel

25505 FIXED MOUNT

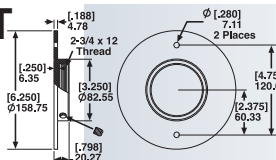
The Fixed Mount assembly can be welded to your mounting point. It provides a simple attachment point for your JounceShock and will most often be used with the Domed Foot on the shaft end of the shock (part #25602).



Cylinder end female thread mount
Material: Carbon Steel

25508 COIL CARRIER/BOLT UP MOUNT

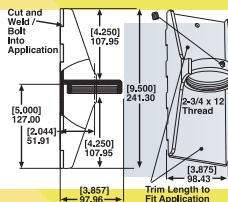
The Coil Carrier / Bolt Up Mount can be sandwiched in your spring seat or bolted to the bottom of a frame. Plate can be trimmed to square as a bolt up or welded frame mount.



Cylinder end female thread mount
Material: Carbon Steel

25530 FRAME SIDE MOUNT

This universal Mount provides a versatile weld or bolt on option to mount your JounceShock in a fixed position (trim-to-fit).

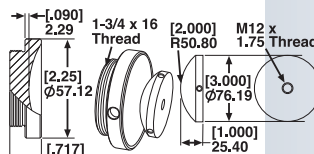


Cylinder end female thread mount
Material: Carbon Steel
Trim top and/or bottom to fit

Shaft End Mounts

CUPPED FOOT & DOMED TARGET

The threaded Cupped Foot with the Domed Target, which can be bolted or welded to your suspension, targets your JounceShock for up to 30° of motion as your suspension travels.

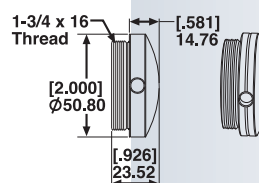


Shaft end male thread - cupped foot

25601 - Delrin Cup Foot & Carbon Steel Target
25613 - 90A Rubber Cupped Foot (Quiet Ride) & Carbon Steel Target

SCREW END DOMED FOOT

The Domed Foot screws directly into the shaft of the JounceShock. This is the most traditional of bump shock ends and is most often used in an application with some scrub on a Target Plate. It can also be used in conjunction with the Shaft Extender #25603. Your choice of materials.

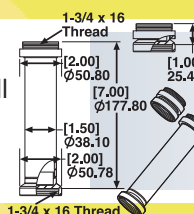


Shaft end male thread

25602 - Delrin
25604 - UHMW
25605 - 90A Rubber (quieter ride quality)

SHAFT EXTENDER

For lifted applications, this a cut to length adapter will add 1" to 7" inches to the shaft of your JounceShock allowing you to fine tune contact points as well as a smaller dimension to stab at a target (sold singly).

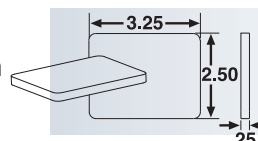


Shaft end male thread
Material: Carbon Steel
Cut/weld to length

25603 - 1" to 7"
25609 - 1" to 6"

25608 TARGET PLATE

Convenient size to accommodate JounceShock articulation when used with Domed Foot (sold separately - above). Also available **Landing Pads**: Short - #15030, Long - #15025.



Material: Carbon Steel

1-800-525-6505

Call for your nearest distributor, product info or Technical Assistance • In the USA and Canada

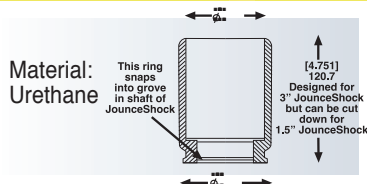
www.specprod.com

Off Road

Required to adjust nitrogen in JounceShocks. Included with our Rebuild Kits (#25712 and #25713 - below). Also available **Valve Body Receivers/Weld On: #15035 (1), #15036 (24).**



25515



URETHANE SHOCK GUIDE

This Urethane Guide will protect your JounceShock when placed over the top section of the "can". Perfect when using JounceShocks mounted within a coil spring.



25615

25701 - Protective Boot - 1.5" Travel JounceShock (#25701)

25702 - Protective Boot - 3.0" Travel JounceShock (#25702)

JOUNCESHOCK BOOT KIT

These boots will help keep dust and dirt from damaging your JounceShock. Includes boot, collar and 2 cable ties.



25701
25702

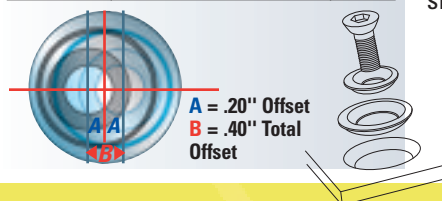
JOUNCESHOCK REBUILD KITS

The seals, O-Rings, wear bands, and valve pieces you will need to rebuild your JounceShock. **25712 Kit** includes everything you need to rebuild 1 shock and **23713 Kit** includes rebuild parts for 4 shocks. Both include the Shock Valve Extension (#25515-above) for charging your JounceShock.



25712
25713

Part No.	Out. Dia.	Bolt Size	Qty.
15510	2.0"	12mm	1 pr
15515	2.0"	12mm	6 pr



MULTI-LIGNMENT™ WASHERS

These patented washers are the answer for everyone who has ever tried to re-install that slightly bent skid plate where the holes just don't want to line up!

Easily seated, these washers require a minimum .250 inch plate material thickness and accommodate $\pm .200$ " bolt misalignment in any direction from center. Used with flat head socket fasteners, they provide a clean, flush profile.



A 2" x 90° countersink tool is required for installation

Part #	Dia.	Part #	Dia
15835	.75"	15870	3.0"
15840	1.0"	15875	3.5"
15850	1.5"	15880	4.0"
15860	2.0"	15885	5.0"
15865	2.5"	15890	6.0"

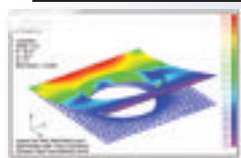
Set #	Dies Included
15810	15835, 15840, 15850, 15860, 15865
15815	15870, 15875, 15880

FLARED HOLE DIES

Often called "dimple dies", Flared Hole Dies are used in sheet-metal fabrications to provide rigidity and strength to flat, unsupported panels. Due to the resulting high strength-to-weight ratio applications promoted by the use of this technique, flared holes are found in many aircraft and race vehicle designs.

Beginning with comprehensive finite element analysis supported by extensive prototype testing, our light weight Flared Hole Dies are engineered to provide the optimum combination of performance attributes:

- Eliminate edge tearing when used on chromoly, even with edges hardened by laser cutting methods
- Will flare holes up to .090 chromoly or .125 mild steel
- Manufactured from high quality hardened tool steel



15810
15815



OFF ROAD FASTRAX™ CAMBER/CASTER/TOE GAUGE

This great tool is a must for your garage or shop. Portable, hands-free alignment can be done quickly and easily. See page 129 for more information.



91025

www.specprod.com

Call for your nearest distributor, product info or Technical Assistance • In the USA and Canada

1-800-525-6505

Off Road

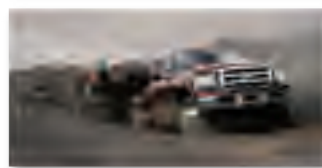
We'll fit you!

We have pre-made systems for some of the most popular off road vehicles in the market. With these complete systems it is easy to get the benefits of a JounceShock system into your truck. Systems include everything you need from custom mounts to the nuts and bolts and detailed instructions.



Complete Systems

	FROM TO		DRIVE	FRONT	REAR	TOTAL
CADILLAC						
Escalade 1500	2001	2006	4x4, 4x2	25862		
Escalade 1500	2007	2012	4x4, 4x2	25852		
CHEVROLET						
Colorado	2004	2011	4x4, 4x2	25872		
Silverado 1500	2007	2012	4x4, 4x2	25852	25854	25850
Silverado 1500	1999	2006	4x4	25862	25864	25860
Silverado 1500	1999	2006	4x2		25864	
Suburban 1500	2007	2012	4x4, 4x2	25852		
Tahoe 1500, Avalanche 1500	2007	2012	4x4, 4x2	25852		
Tahoe/XL 1500, Avalanche 1500	2000	2006	4x4, 4x2	25862		
FORD						
F150/Raptor	2004	2012	4x4, 4x2		25824	
F250, F350 Super Duty	2005	2010	4x4	25832	25834	25830
GMC						
Canyon	2004	2011	4x4, 4x2	25872		
Denali/XL, Yukon/XL 1500	2007	2010	4x4, 4x2	25852		
Denali/XL, Yukon/XL 1500	2000	2006	4x4, 4x2	25862		
Sierra 1500	2007	2010	4x4, 4x2	25852	25854	25850
Sierra 1500	1999	2006	4x4	25862	25864	25860
Sierra 1500	1999	2006	4x2		25864	
HUMMER						
H3	2006	2010	4x4, 4x2	25872	25874	25870
NISSAN						
Frontier	2005	2012	4x4, 4x2	25792	25794	25790
Navara D40	2005	2012	4x4, 4x2	25792	25794	25790
Pathfinder	2005	2012	4x4, 4x2	25792		
Xterra	2005	2012	4x4, 4x2	25792		
TOYOTA/LEXUS						
4Runner	2003	2012	4x4, 4x2	25762	25784	25780
4Runner	1996	2002	4x4, 4x2	25742	25746	
FJ Cruiser	2006	2012	4X4	25762	25784	25780
GX470	2003	2009	4X4	25762	25784	25781
Hilux MK6	2005	2012	4x4, 4x2	25762	25764	25760
Prado 120 Series Land Cruiser	2002	2009	4x4, 4x2	25762	25784	25780
Prado 90 Series Land Cruiser	1996	2002	4x4, 4x2	25742	25746	
Tacoma 4x4/Pre Runner	2005	2012	4x4, 4x2	25762	25764	25760
Tacoma	1996	2004	4x4	25742	25744	25740
Tundra	2007	2012	4x4, 4x2		25884	



Off Road Tubular Chassis Components

ROD END RECEIVERS

Material Spec: 4140 N Chromoly Steel Includes Grade 8 bolt, metal locknut and 2 AN washers



Welds into stock tubing sizes.
Cinch bolt maintains high clamping force.
Save! Available in Fab Packs.

ROUND ROD END RECEIVERS

RH Thread Part #	15120/21	15110/11	15100/01	15090/91	15080/81	15092/93	15082/83
LH Thread Part #	15125/26	15115/16	15105/06	15095/96	15085/86	15097/98	15087/88
Thread Size (A)	1/2" - 20	5/8" - 18	3/4" - 16	7/8" - 14	1 1/4" - 12	7/8" - 14	1 1/4" - 12
Outside Dia. (B)	.745"	.870"	1.120"	1.370"	1.870"	1.260"	1.760"
Thread Length (C)	1.2"	1.3"	1.4"	1.5"	1.7"	1.5"	1.7"
Overall Length (D)	1.813"	1.938"	2.125"	2.250"	2.563"	2.250"	2.563"
Nominal Tube Size	.875" OD	1.000" OD	1.250" OD	1.500" OD	2.000" OD	1.500" OD	2.000" OD
Recommended Tube Wall Thickness	0.065"	0.065"	0.065"	0.065"	0.065"	0.120"	0.120"

* .065 receivers may be turned down to fit other tubing sizes

** We recommend that .120 receivers not be turned down

SQUARE ROD END RECEIVERS

RH Thread Part #	15170/71	15160/61	15150/51	15140/41	15130/31
LH Thread Part #	N/A	N/A	N/A	N/A	N/A
Thread Size (A)	1/2" - 20	5/8" - 18	3/4" - 16	7/8" - 14	1 1/4" - 12
Width (B)	0.688"	0.875"	1.063"	1.250"	1.813"
Thread Length (C)	1.2"	1.3"	1.4"	1.5"	1.7"
Overall Length (D)	1.813"	1.938"	2.125"	2.250"	2.563"

3 PIECE SPHERICAL ROD ENDS

RH Thread Part #	15474	15476	15478	15480	15482
LH Thread Part #	15475	15477	15479	15481	15483
Bore	.50 Bore	.625 Bore	.750 Bore	.875 Bore	1.00 Bore
Thread Size	1/2"-20	5/8"-18	3/4"-16	7/8"-14	1 1/4"-12

SPHERICAL BEARING RECEIVERS

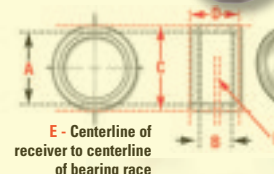
Material Spec: 4140 N Chromoly Steel Includes Retaining Ring **Save! Available in Fab Packs.**

Part #	15065/66	15060/61	15055/56	15050/51	15045/46	15040/41	15042/43
Bearing Dia. (A)	0.8125"	1.0000"	1.1875"	1.3750"	1.6250"	2.1250"	2.7500"
Bear. Race Width (B)	0.4060"	0.5050"	0.5670"	0.6300"	0.7550"	1.0050"	1.099"
Receiver OD (C)	1.063"	1.250"	1.483"	1.625"	1.925"	2.500"	3.250"
Receiver Height (D)	0.58"	0.71"	0.84"	0.92"	1.06"	1.41"	1.527"
Bearing Offset (E)	0.0170"	0.0125"	0.0265"	0.0150"	0.0025"	0.0025"	0.012"

SPHERICAL BEARINGS

With Teflon Liners

Part #	15465	15460	15455	15450	15445	15440	15442
Corresponds to Receiver Number	15065	15060	15055	15050	15045	15040	15042
Inside Diameter	0.375"	.500"	.625"	.750"	.875"	1.000"	1.500"
Outside Diameter	0.8125"	1.0000"	1.1875"	1.3750"	1.6250"	2.1250"	2.7500"



HIGH MIS-ALIGNMENT INSERTS (Pair)

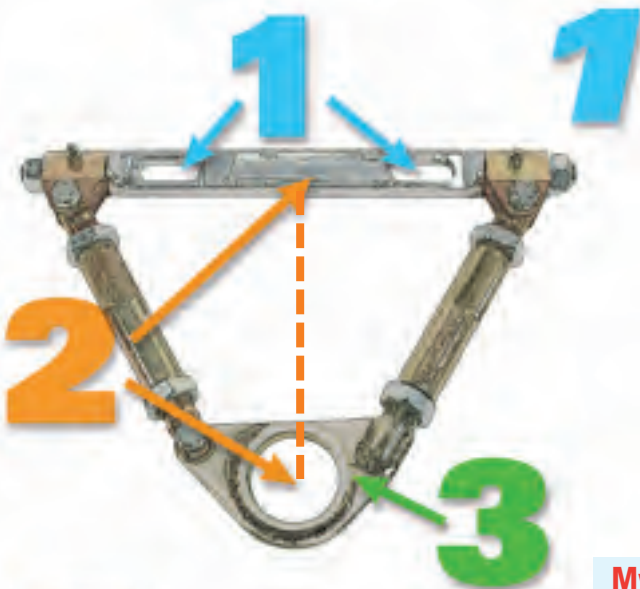
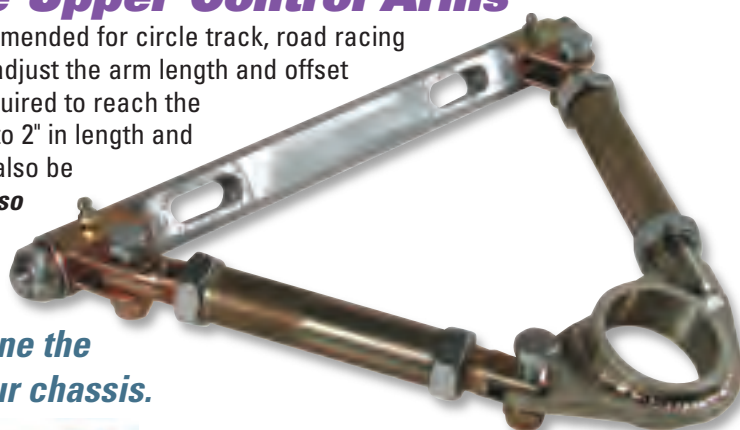
Material Spec: Hardened Stainless Steel **Save! Available in Fab Packs.**

Part #	15032/33	15028/29	15015/16	15020/21	15018/19	15010/11	15012/13	15024/25	15022/23
Shoulder OD (A)	0.500"	0.625"	0.750"	0.875"	0.875"	1.000"	1.000"	1.500"	1.500"
Internal Dia. (B)	0.375"	0.500"	0.500"	0.500"	0.625"	0.625"	0.750"	0.625"	0.750"
Shoulder Length (C)	0.300"	0.345"	0.433"	0.433"	0.385"	0.675"	0.675"	0.608"	0.683"
Part Length (D)	0.730"	0.720"	0.875"	0.875"	0.950"	1.080"	1.080"	1.790"	1.790"
Stack Length (E)	1.500"	1.500"	1.750"	1.750"	2.000"	2.160"	2.185"	3.600"	3.6250"
Mis-Alignment Angle	21 Deg.	24 Deg.	30 Deg.	30 Deg.	30 Deg.	30 Deg.	28 Deg.	29 Deg.	30 Deg.

Race Style Adjustable Upper Control Arms

These fully adjustable, rugged arms are recommended for circle track, road racing and drag applications. They allow the user to adjust the arm length and offset to attain the ultimate suspension geometry required to reach the winner's circle. Each arm can be adjusted up to 2" in length and all components are interchangeable and may also be ordered separately - see page 114-115. **SPC also offers arms for Muscle Cars, Street Rods, Corvettes and show applications - see our Application Guide (page 7) for more!**

Follow the steps below to determine the correct control arm needed for your chassis.



Step Number 1:

Measure Cross Shaft Bolt Hole Spacing From Center-To-Center

SPC Performance offers these cross shafts including grease fittings with bolt hole spacings of:

- 5"
- 6" (Standard Spacing) - Available in Steel or Aluminum
- 6 1/2" (1st Gen 'F' Body 1967-69 Camaro / 1968-74 Nova-'A' Body Chevelle, El Camino, GTO, Olds 442)
- 6-15/16" Metric Stubs ('G' Body 1978-88 Chevelle, Grand National, Malibu Grand Prix, 1970-88 Monte Carlo, 1979-87 Cutlass Supreme)
- 7-3/4" 2nd Gen 'F' Body (1970-81 Camaro/Firebird)

My Cross Shaft Spacing Is: _____

2

Step Number 2:

Measure Length of Control Arm

Measure from the middle of the cross shaft to the center of the ball joint.

- Steel Adjusting Sleeve lengths are available in 3-3/4", 5", 6", 8", and 9". Also available in black anodized aluminum in 4", 5" and 6" lengths.

My Control Arm Length Measures: _____

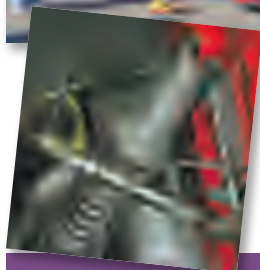
3

Step Number 3:

Determine Type of Ball Joint Plate

- **Full Sized GM Truck Bolt In Ball Joint Plate** Measure center-to-center between the ball joint bolt holes that are farthest apart. This measurement should be 2-3/4" SPC Ball Joint part number is **92004**.
- **GM Metric (Midsized) Bolt In Ball Joint Plate** Measure center-to-center between the ball joint bolt holes that are farthest apart. This measurement should be 2-1/2" - SPC Ball Joint part #**92006**. Also in 20° - SPC Ball Joint part #**92008 & 92009**.
- **Chrysler Screw In Ball Joint Plate** - SPC Performance offers ball joint plates that are welded flat (0° - SPC part #**92003**) or at an angle (10° - SPC part #**92002**) for these screw in type ball joints.

My Type of Ball Joint is: _____



SPC Performance offers preassembled arms in the most popular configurations. These arms are fully adjustable and can give you all the camber and caster change you need to fine tune your alignment for any track. You will save time by being able to quickly and accurately dial in your alignment angles and at the same time you will improve your handling and tracking.

SPC Performance Arms Feature:

- Quality Steel or Aluminum (6" only) Cross Shaft with Pro Racing pivot assemblies or optional high strength rod ends with 3/4-16 thread and 5/8" bore
- Threaded steel adjusting sleeves
- Ball joint plates for Full Size, Screw-In or Metric Types

To order - find the **Cross Shaft** (or Rod End), **Adjusting Sleeve** and **Ball Joint Plate** that your chassis requires... it is that easy!

Don't see the combination that your vehicle requires? Check out our components - available individually - **and build your own!** (See more on our high quality components on pages 114 & 115.)

Part No.	Step 1 Your cross shaft	Step 2 Your Sleeve	Step 3 Ball Joint Plate
92142	5" Steel Cross Shaft	3-3/4" Adj Sleeve (Adjusts to 7"-9")	Chrys. 10° Screw-In Ball Joint
92244	6" Steel Cross Shaft	3-3/4" Adj Sleeve (Adjusts to 7"-9")	GM Full Size Ball Joint
92242	6" Steel Cross Shaft	3-3/4" Adj Sleeve (Adjusts to 7"-9")	Chrys. 10° Screw-In Ball Joint
92254	6" Steel Cross Shaft	5" Adj Sleeve (Adjusts to 8-1/4"-10")	GM Full Size Ball Joint
92252	6" Steel Cross Shaft	5" Adj Sleeve (Adjusts to 8-1/4"-10")	Chrys. 10° Screw-In Ball Joint
92546	6-15/16" Steel Cross Shaft	3-3/4" Adj Sleeve (Adjusts to 7"-9")	GM Midsize Metric Ball Joint
92542	6-15/16" Steel Cross Shaft	3-3/4" Adj Sleeve (Adjusts to 7"-9")	Chrys. 10° Screw-In Ball Joint
92556	6-15/16" Steel Cross Shaft	5" Adj Sleeve (Adjusts to 8-1/4"-10")	GM Midsize Metric Ball Joint
92552	6-15/16" Steel Cross Shaft	5" Adj Sleeve (Adjusts to 8-1/4"-10")	Chrys. 10° Screw-In Ball Joint
92646	7-3/4" Steel Cross Shaft	3-3/4" Adj Sleeve (Adjusts to 7"-9")	GM Midsize Metric Ball Joint
92656	7-3/4" Steel Cross Shaft	5" Adj Sleeve (Adjusts to 8-1/4"-10")	GM Midsize Metric Ball Joint
92344	6" Aluminum Cross Shaft	3-3/4" Adj Sleeve (Adjusts to 7"-9")	GM Full Size Ball Joint
92342	6" Aluminum Cross Shaft	3-3/4" Adj Sleeve (Adjusts to 7"-9")	Chrys. 10° Screw-In Ball Joint
92354	6" Aluminum Cross Shaft	5" Adj Sleeve (Adjusts to 8-1/4"-10")	GM Full Size Ball Joint
92352	6" Aluminum Cross Shaft	5" Adj Sleeve (Adjusts to 8-1/4"-10")	Chrys. 10° Screw-In Ball Joint
92044	Hi Strength 2 Pc. Rod End	3-3/4" Adj Sleeve (Adjusts to 7"-9")	GM Full Size Ball Joint
92042	Hi Strength 2 Pc. Rod End	3-3/4" Adj Sleeve (Adjusts to 7"-9")	Chrys. 10° Screw-In Ball Joint
92043	Hi Strength 2 Pc. Rod End	3-3/4" Adj Sleeve (Adjusts to 7"-9")	Chrys. 0° Screw-In Ball Joint
92046	Hi Strength 2 Pc. Rod End	3-3/4" Adj Sleeve (Adjusts to 7"-9")	GM Midsize Metric Ball Joint
92054	Hi Strength 2 Pc. Rod End	5" Adj Sleeve (Adjusts to 8-1/4"-10")	GM Full Size Ball Joint
92052	Hi Strength 2 Pc. Rod End	5" Adj Sleeve (Adjusts to 8-1/4"-10")	Chrys. 10° Screw-In Ball Joint
92053	Hi Strength 2 Pc. Rod End	5" Adj Sleeve (Adjusts to 8-1/4"-10")	Chrys. 0° Screw-In Ball Joint
92056	Hi Strength 2 Pc. Rod End	5" Adj Sleeve (Adjusts to 8-1/4"-10")	Chrys. 0° Screw-In Ball Joint

We also have pre-built Racing Arms for Corvettes - See Page 89!



Racing

Build your own Arm

With our high quality components

If we don't have a preassembled arm with the specs you need you can purchase the individual components and get exactly the configuration you want for racing, rod, street or drag.



Our new chromoly cross shafts are lighter and stronger - perfect for racing or street.

Cross Shafts

Steel or Aluminum Cross Shafts in a variety of sizes and configurations including grease fittings or bushings. Measurement is from center to center on holes.

Complete Cross Shaft Assemblies

92100	5" Steel Race	Includes circlips and grease fittings (zerks) Pivots not included - see below Use #92001 (Standard) or #92025 (Offset) Pivots
94100	5" Steel Stock/Mustang II	Includes 2 #94012 Pivots

Customizable Cross Shafts

Part#	Shaft Hole Spacing	Shaft Material	Racing Pivots (Order 2) <i>Not Included, see below</i>	Street Pivots (Order 2) <i>Not Included, see below</i>	
			Offset	Standard	Offset
93410	5-1/2"	Steel	92025	94012	94014
93420	5-7/8" to 6"	Steel	92025	94012	94014
93440	6" <i>Slotted Mount</i>	Aluminum	92025	94012	94014
93450	6-1/2"	Steel	92025	94012	94014
93430	6-5/16"	Steel	92025	94012	94014
93460	6-11/16"	Steel	92025	94012	94014
93470	6-15/16"	Steel	92025	94012	94014
93480	7-3/4"	Steel	92025	94012	94014

Adjusting Sleeves

These sleeves are the perfect fit with our pivot studs and ball joint plates.

Sold individually.

Part #	Length	Sleeve Material
92040	3-3/4"	Steel
92045	4"	Aluminum
92050	5"	Steel
92055	5"	Aluminum

Part #	Length	Sleeve Material
92060	6"	Steel
92065	6"	Aluminum
92080	8"	Steel
92090	9"	Steel

Upper Control Arm Components

A variety of assemblies along with nuts and bolts for your arm. **Sold individually.**

Part #	Description
92001	Standard Race Pivot Assembly
92005	UCA End Pivot Stud (Cross Shaft End)
92010	Right Hand Jam Nut - 3/4" - 16
92011	Left Hand Jam Nut - 3/4" - 16
92012	Retaining Ring Clip
92013	Pivot Plate Stud w/Nut
92014	End Pivot Bolt
92019	Lock Nut for 92014
92021	Race Kit (threaded studs, lock nuts, bolts, jam nuts, offset pivots w/Delrin Insert - 2 ea.)

Part #	Description
92025	Offset Race Pivot Assy w/Delrin Inserts
94012	Standard Street Pivot Assy w/OE Style Bushings
94013	OE Style Bushing Only
94014	Offset Street Pivot Assy w/OE Style Bushings
94041	Street Kit (threaded studs, lock nuts, bolts, jam nuts, OE style offset pivots - 2 ea.)
97100	Hi Strength 2 Piece Rod End - 3/4" - 16 LH



Ball Joint Plates

Pro Series Ball Joint plates in a variety of styles to complete your adjustable control arm along with OE style ball joints (sold separately).

Part #	Type	Use with these Ball Joints (not included)
92002	Chrysler Screw In Plate - 10°	94002
92003	Chrysler Screw In Flat Plate - 0°	94002
92004	Full Size GM Bolt In Plate	94004 standard, 94019 extended
92006	Midsize GM Metric Bolt In Plate - 0°	94006 standard, 94017 extended
92007	GM Tri 5 Bolt In Plate	94003
92008	Left Midsize GM Metric Bolt In Plate - 20°	94006 standard, 94017 extended
92009	Right Midsize GM Metric Bolt In Plate - 20°	94006 standard, 94017 extended

Ball Joints

.5" Extended Length OEM Style Ball Joints

These greasable, OEM style extended length ball joints are ideal to improve camber gain and increase control arm to frame clearance.

Ideal for the ultimate in handling performance.

Part #	Moog Equiv	Description
94016	K5103	Lower Ball Joint for GM 'A' Bodies (Press in for 94344 Lower Arm)
94018	K6145	Lower Ball Joint for GM 'G' Bodies (Press in for 95336 Lower Arm)
94017	K5208	Upper Ball Joint for GM Mid Size Bolt In Metric Plate
94019	K5108	Upper Ball Joint for GM 1st Gen 'F' Body & 'A' Body ('64 - '72)

OEM Style Ball Joints

These ball joints fit a variety of GM and Chrysler applications. If you are installing our Adjustable Control Arms these ball joints are the perfect fit to your suspension upgrade.

Part #	Moog Equiv	Description
94002	K772	Upper Chrysler Screw-In Ball Joint
94003	K6034	Upper GM C2/C3 Corvette & Tri 5 Bolt-In Ball Joint
94004	K6024	Upper GM Full-Sized Bolt-In Ball Joint
94006	K5208	Upper GM Mid-Sized Metric Bolt-In Ball Joint
94007	K6346	Upper C4 Corvette Bolt-In Ball Joint
94008	K719	Lower Chrysler Screw-In Ball Joint

 68880 - Socket pg 122

 68880 - Socket pg 122

SPC
PERFORMANCE

4CORNERS™ ADJUSTABLE RIDE HEIGHT GAUGE



- Displays changes in ride height as you adjust from 3 to 7 inches.
- Accommodates offset frame rails over 24 inches.
- Easy to read and accurate display that has been factory calibrated.

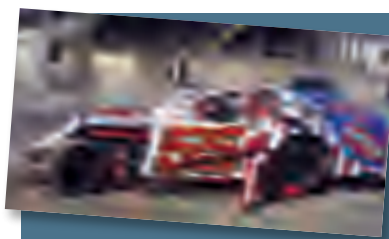
90000

LO CORNERS™ ADJUSTABLE RIDE HEIGHT GAUGE

- Displays changes in ride height as you adjust from 1/2 to 4-1/2 inches.
- Ideal for Formula or Spec Racers - or any low frames.
- Easy to read and accurate display that has been factory calibrated.



90100



Jack and Vic Parker with High Tech Racing (#55 left) and Leary Racing with drivers Eric "Blackie" Blacker (#46 right) and Roger Avants (#27 Top previous page) all know the importance of dialing in your alignment angles. Our adjustable arms are easy to adjust and optimize your handling for changing track conditions.



TOOLS

87910



ALIGNMENT TOOL BOARD

This board set gives technicians the tools needed to complete today's modern alignments quickly and efficiently. Contains our most popular tools, with a handy plastic peg storage board to keep all your alignment tools in one easy to reference location.

BOARD INCLUDES ONE EACH OF THE FOLLOWING:

Tool Number	Page	Description
8370	117	Tie Rod Puller
37985	118	4-Way Ball Joint/Tie Rod Separator
45938	121	Colorado/Canyon 4WD Alignment Socket
71959, 71969, 71979, 71989, 71999	122	Tie Rod Tools
74910	123	Cam Knock Out Punch
75915	125	EZ Shim Cutting Pliers
77350	125	Heavy Duty Tie Rod Tools
77880	125	Ford OE Sleeve Puller
81139	126	Magnetic Adj. Camber Gauge
83775	126	Cas/Cam Tool - 93 & Up F-Body
83850	126	GM "W" Toe Tool
85127	127	3/8" Carbide Rotary File
85137	127	3/8" Rotary File for Aluminum
99918	130	Wheel Spreader Bar - A must for Mercedes

27



PITMAN ARM SEPARATOR

For use on most cars and some light trucks. The tapered wedge easily removes the pitman arm from the shaft with just a few sharp hammer blows.

DIMENSIONS: 1" opening, 12" overall length.

Slide Hammers/Pullers

498



FRONT HUB & AXLE PULLER

498 removes front hubs on vehicles with independent front suspensions. Remove screw and use it with 499 axle puller to remove axles in compact cars.

498

APPLICATIONS

Compact cars

SET INCLUDES

- 498-1 Yoke
- 498-2 Center screw
- 498-3 Jam nut

499



FLANGE TYPE AXLE PULLER

Flange Type Axle Puller can be used as a regular wheel puller or hub puller, as well as a flange type puller. The bolt circle range is from 4-1/2" to 5-1/2", which covers all cars and small trucks with flange type axles. The four slots allow this tool to be used on 4, 5, or 6 stud designs.

499

APPLICATIONS

All cars and small trucks with flange type axles

SET INCLUDES

- 499-1 Yoke
- 499-2 Center rod assembly
- 499-3 Jam nut
- 499-4 Hammer

Check out our CV Joint Fork #38620 for use with the 499 (page 118)

CAUTION: Not for use with impact wrenches (air tools).

SPANNER WRENCH

Thin walled spanner wrench designed specifically for installation and removal of O.E. and 23000 (page 49) screw in 4WD alignment sleeves.



4169

APPLICATIONS

Dodge RWD:

1987 & Up Dakota
1999 - 03 Durango

DODGE CAMBER TOOL

This wrench is specifically designed to access the hard to reach upper control arm bolts used to adjust caster/camber on RWD Dodge Durangos and Dakotas.



6140

APPLICATIONS

Most compact/standard passenger cars and light trucks

TIE ROD TOOL

Four position feature and 360° rotation lets you grip the sleeve properly, even with limited access. Fits most passenger cars and light trucks.



7023

CHRYSLER/FORD CAMBER/CASTER TOOL

An excellent tool for fast camber-caster changes on most older Chrysler and Ford products w/SLA style suspensions.



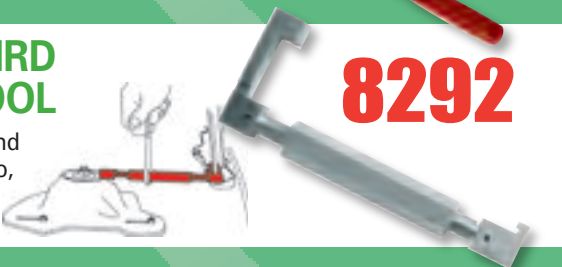
8286

APPLICATIONS

Chevrolet: 1982 - 92 Camaro
Pontiac: Firebird & Trans Am w/adjustable upper strut towers

CAMARO-FIREBIRD CAMBER TOOL

The 8292 tool makes for easy, fast and accurate camber changes on Camaro, Firebird and Trans Am vehicles with adjustable upper strut towers.



8292

83707 Center Screw with Tip

CAUTION: Not for use with impact wrenches (air tools)

5" TIE ROD PULLER

Removes tie rod ends with a straight, fast, firm pull. Makes installation of the 87330 camber/toe kit easier (pg. 83). It has a 2-1/4" reach and a 2-1/2" spread. Also for pressing bushings.



8370

HOSE CUTTER

This high quality hose cutter provides a straight, even, clean cut on heater, air conditioning, braided rubber or plastic hose up to 1-1/8" diameter.

CUTS

- Any Plastic/Rubber Hose Up To 1-1/8" Outside Diameter
- Heater Hose
- Side Body Molding
- Windshield Channeling
- Non-Metal Air Brake Hose
- Fuel Line Hose
- Copper Wiring
- Heater Hose
- And More

10011 - REPLACEMENT BLADES 2 per pkg



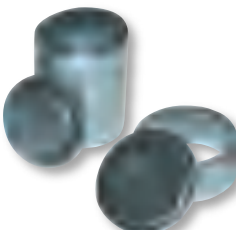
10010

BUSHING PRESS SLEEVES

The sleeves are designed to match the angle of the yoke on the axle housing to insure proper installation. Use with the 72509 Ball Joint Press (page 123).

23580 - To be used with our Dodge & Jeep Offset Ball Joints (part nos. 23510, 23520, 23530, 23540 page 52).

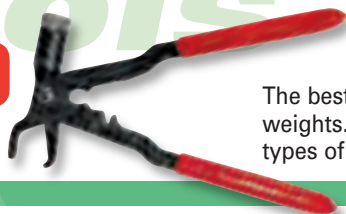
23780 - For our Dodge Truck Offset Ball Joints (part nos. 23710, 23720, 23730 page 52).



23580
23780

Tools

37000



WHEEL WEIGHT TOOL

The best tool for removing or installing passenger car and light truck wheel weights. Incorporates hooks for removal of wheel weights on many different types of wheels. Not for use on aluminum or decorative wheels.

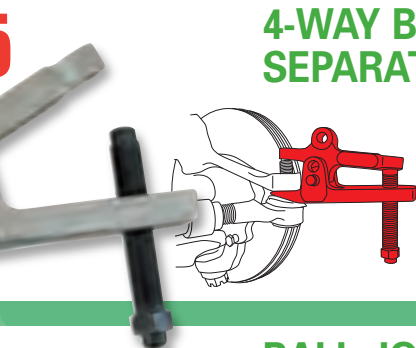
37980

STEERING KNUCKLE TOOL

Stop damaging steering knuckles by removing link-ages or struts with pry bars, screw-drivers and hammers. Use the Steering Knuckle Spreader Tool to make quick work of tight and corroded steering knuckles by simply turning the threaded wedge assembly. This is a must for any technician performing suspension work, especially for those who see the Ford Taurus or BMW passenger cars. Blow molded case included.



37985



4-WAY BALL JOINT/TIE ROD SEPARATOR

This is the highest strength and most versatile Ball Joint Removal Tool on the market. The unique design of the forged 4-Way Ball Joint Separator allows the tool to be adjusted to remove ball joints of various heights, doing jobs that previously required multiple tools. Affordable, strong, and easy to use.



37990



BALL JOINT SEPARATOR

This heavy duty, drop forged alloy steel, lever-type ball joint and tie rod end remover provides good leverage action to remove stubborn tie rod ends or break ball joint tapers easily. Use when space prevents use of a direct action separator. The 37990 fits 3/4" openings.

38620



CV JOINT FORK

When used with 499 (page 116), this tool will pull most CV joints that use a hidden snap ring to hold them in the transaxle. Made to remove the axle assembly without damaging the transmission case or inside roller bearing.

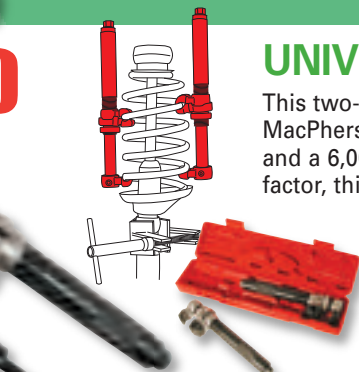
40250



INTERNAL COIL SPRING COMPRESSOR

A handy chromoly steel compressor designed to fit inside most coil springs with an internally mounted shock. Will accommodate spring lengths from 8-1/4" to 14". It can be used on any coil spring with a minimum inside diameter of 3-3/8" to a maximum inside diameter of 5-5/8" and wire diameters up to 3/4". **Note: NOT for use on MacPherson struts or Fiat vehicles.**

40260



UNIVERSAL SPRING COMPRESSOR

This two-piece internally threaded spring compressor is a great option for MacPherson strut, coilover, and other accessible springs. With 7" of travel and a 6,000 lbf max working load with a 3x safety factor, this is an ideal tool for almost any spring.

Vinyl coated ends protect the spring from damage, safety jaws keep the compressor stabilized on the spring, and the ball bearing load surface makes compression easy using simple hand tools. Use of both hooks per spring is required.



Applications

Parts

Heavy Duty

Off-Road

Racing

Tools

Accessories

Brake & CV

Gear/Index

VALVE STEM PULLER

This easy to use valve stem puller protects the wheel and rim while you get the job done quickly. Simply screw the pivoting head onto the valve stem, slide the hard rubber protecting block to the edge of the wheel rim and remove the stem without rim scrapes or damage! Also works on 2 piece TPMs.



40270

TIE ROD/BALL JOINT/PITMAN ARM TOOL

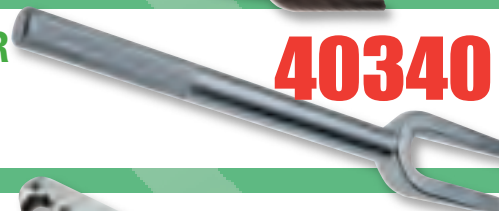
Five tools in one, this handy kit consists of three drop forged forks and two handles. One handle is for use with a hammer and one is designed to fit an air hammer. All forks are threaded to interchange with either handle. Comes with 3 forks of 11/16", 15/16" and 1-1/8" openings.



40310

TIE ROD SEPARATOR

This drop forged alloy steel tool acts as a tapered wedge and easily separates the tie rod and knuckle. Comes with a 21/32" opening and features a 16" long handle for easy access.



40340

UNIVERSAL TIE ROD ADJUSTING TOOL

This economical tool fits most cars and light trucks with split tie rod sleeves. Double-end feature makes 360 degree turns possible.



40900

Service Sets

UPPER CONTROL ARM BUSHING 40910

Easily replace press-in type control arm bushings on many domestic and imported vehicles with this service set. Mechanical power screw quickly and easily removes worn bushings and installs them without damaging the control arm. Set includes C-Frame, screw assembly and all adapters to do the job quickly and correctly. **Packaged in a durable plastic case.**

INCLUDES (See below right):

4427(3), 4428, 4429, 4430, 4431, 4432, 4433, 4434



40910

40915

40920

TOYOTA CAM EXTRACTOR 40915

Use this press tool to remove stuck OE cam sleeves from Toyota trucks. The extended length forcing screw allows you to remove the sleeve without removing the steering rack. Recommend when installing our 25430, 25435 and 25440 replacement Toyota cams (page 55).

INCLUDES (See below right): 4434, 44339



40915



PERFORMANCE BALL JOINT PRESS 40920

This tool was specifically designed to remove the original equipment ball joints on smaller cars when installing SPC Performance's sliding ball joints (pages 61 & 63). With this revolutionary design you can remove the ball joint from the front upper control arm without removing the arm from the vehicle, saving time and costs. **Packaged in a convenient blow-molded plastic case** this set comes complete with adapters for removing and installing stock or Specialty Product's sliding ball joints.

INCLUDES (See right):

4433, 4434, 40923, 40925, 40927



4432

4431

4434

4427

4428

4429

4430

4431

4432

4433

4434

40923

40925

40927

44339

U-Adapter

1/16" Thick Tube

1/18" Thick Tube

3/16" Thick Tube

Forcing Head

Receiving Socket

Forcing Screw

C-Frame

Adapter

Adapter

Adapter

Extended Length Forcing Screw

4433

44339

4428

4429

4430

4431

4432

4433

4434

40923

40925

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44339

40930



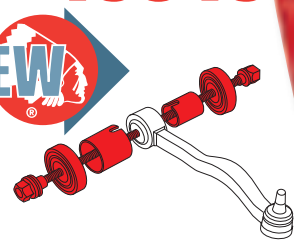
GM STRUT SET

This kit offers everything necessary for servicing GM "W" body vehicles. Kit includes strut retaining tool needed to maintain strut tube alignment with the coil spring while the strut is disassembled. Includes the tools necessary for removing and installing gas charged or oil filled strut cartridges. Lets you work through the strut tower while it is still on the vehicle. Packaged in a durable plastic case.

APPLICATIONS FWD

Buick: 1988 - 96 Regal
Chevrolet:
 1990 - 00 Lumina Sedan
 1995 - 99 Monte Carlo
Oldsmobile:
 1988 - 97 Cutlass Supreme
Pontiac: 1988 - 96 Grand Prix

40940



BUSHING PRESS SET (29 PIECE)

Service a wide range of bushings with this versatile press set. Our 29 piece kit will allow you to efficiently remove and install bushings form 1-1/2" to 3" OD (36 - 80mm). Save time by servicing the suspension bushing on the vehicle vs. removing components to use a shop press. The kit uses long ACME threaded screws and bearing nuts to make manual pressing a snap.

SET INCLUDES:

4 - ACME Threaded Spindles
 M10 x P 1.5, M12 x P 2.0,
 M14 x P 2.0, M15 x P2.5)

3 - Plate adapters

22 - 95mm Long Sleeves
 Ranging in size from
 34mm ID to 80mm ID

41000



DELUXE WHEEL LOCK REMOVAL SET

This set safely removes and replaces GM, Ford and Chrysler wire wheel hubcap locks on 1978 and up vehicles. Variable drive keys will also fit Corvette, McGard hubcap locks and after-market wheel lug locks. Kit comes in a durable plastic carrying case with complete instructions. Replacement parts available.

BONUS!

THIS WHEEL LOCK REMOVAL SET INCLUDES A DUAL SIDED LUGNUT REMOVAL TOOL THAT REMOVES DAMAGED OR ROUNDED O.E. STYLE LUGNUTS.

Wear appropriate eye protection when using this tool.

SET INCLUDES:

40008 Punch
40020 GM spline hubcap locks & triangular hubcap lock
40030 GM hubcap locks
40045 Stripped 18mm lugnuts/Corvette, GM N&F body wheels
40065 Standard McGard wheel locks/ Oversized McGard wheel locks
40090 Large Diameter Chrysler Lock
40093 Socket installing driver
40095 Quick-Off Lugnut Removal Tool

41030



TIE ROD TOOL

This 1/2" drive tie rod tool will allow the easy removal of tie rod ends on most cars and light trucks. The U-shaped slot measures 1" x 3/4".

CAUTION: Not for use with impact wrenches (air tools).

41110



MASTER BALL JOINT ADAPTER SET

Expand the service capability of your ball joint press with this Master Ball Joint Adapter Set. This complete kit includes the adapters and receiving tubes needed to work on GM, Ford and Dodge two and four wheel drive trucks, vans and SUVs. Kit also includes a live center forcing screw for heavy duty applications.

REPLACEMENT PARTS AVAILABLE:

4159 Receiving tube - 2.87 OD x 2.62 ID
4415 Receiving tube - 2.50 OD x 2.25 ID
4416 Receiving tube - 2.0 OD x 1.75 ID
4417 Receiving tube - 2.5 OD x 2.25 ID
4418 Receiving tube - 2.13 OD x 1.80 ID
4419 Receiving tube - 2.5 OD x 2.25 ID x .75 AL
4420 Receiving tube - 2.5 OD x 2.25 ID x 2.75 AL

4421 Receiving tube - 3.0 OD x 2.75 ID
4422 Receiving tube - 2.75 OD x 2.43 ID
4423 Receiving tube - 2.50 OD x 2.20 ID
4424 Remover/Installer - 1.50 OD x .82 ID
4425 Installing tube - 2.0 OD x 1.82 ID
4426 Receiving cup - 2.12 OD x 1.75 ID

1-800-525-6505

Call for your nearest distributor, product info or Technical Assistance • In the USA and Canada

www.specprod.com

APPLICATIONS

Chevrolet 4WD:
2004 & Up Colorado

GMC 4WD:
2004 & Up Canyon

CAUTION: Not for use with
impact wrenches (air tools).

COLORADO/CANYON 4WD ALIGNMENT SOCKET

Aligning these trucks can be difficult because it is impossible to access the head of the cam bolt to adjust alignment angles. This special grooved socket fits over the end of the bolt allowing the technician to turn the alignment cams to change alignment angles after loosening the lock nut.

45938



APPLICATIONS

Chevrolet/GMC:
2003 & Up Express / Savana
1500, 2500, and 3500 models

GMC EXPRESS VAN TOOL

This wrench makes it easy to adjust the upper control arm cams on Chevrolet Express and GMC Savana vans. The tool surrounds the entire perimeter of each cam to provide a solid no-slip means to move the hard-to-reach and often rusty OEM cams.

45940



APPLICATIONS

Chrysler/Dodge/Eagle:
1993 - 97 Concord, New Yorker,
Intrepid, LHS, Vision

LH TOE TOOL

This tool kit includes three tools which allow easy access and provides a much easier method for the technician to adjust toe on popular Chrysler LH body vehicles such as the Concord, New Yorker, and Intrepid.

55600



APPLICATIONS

Chrysler/Dodge:
1998 - 04 300M, Concord, LHS,
Intrepid

57720 Replacement insert Kit
(includes 2 inserts)

**Use 23600 replacement
sleeve if the sleeve is
damaged (page 52).**

LH TOE TOOL

The newer LH vehicles use a knurled sleeve with a slot in it, threaded to the outer tie rod and inner tie rod to adjust toe. Often the sleeve is hard to turn because of corrosion on the threads. Conventional toe-adjusting tools can damage the original sleeve. This tool will help prevent damage to the sleeves and inner bushings while making adjusting the toe easier and quicker.

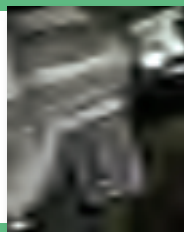
55700



MAGNETIC ANGLE GAUGE

This angle gauge is an easy, accurate way for measuring frame and drive shaft angles. An ideal tool to ensure the drive line angle is still within specification for raised and lowered vehicles.

Alignment equipment manufacturers are using frame angle input with their software for completing Caster specifications.



64225

APPLICATIONS

Acura: 1994 - 01 Integra

Honda:
1988 - 00 Civic
1988 - 91 CRX
1993 - 97 Del Sol



HONDA BUSHING EXTRACTOR

Easily and quickly remove and install rear trailing arm bushing in as little as 15 minutes per side vs. the factory "book" time of 1.8 hours per side. No need to remove the trailing arm from the vehicle or use a hydraulic press.

65100



CHRYSLER BUSHING PRESS SLEEVES

These adapter sleeves are designed to be used with the **40920** Performance Ball Joint Press (page 119). It is designed specifically to remove the stock rear control arm bushings and to install our Offset Rear Camber Bushings, Part No. 66050 (page 58) used on the newer Chrysler LX platform cars.



66025

67451

PRESS ADAPTOR FOR 67450 ARM

The Jeep/Dodge adjustable rear control arm (67450 page 64) utilizes the bushing from the stock, non-adjustable arm. The 67451 press tool adaptor is designed specifically to remove and install both control arm bushings. It can be used with the 72509 Ball Joint Press (page 123), 40920 Performance Ball Joint Press (page 119), 40910 Bushing Service Set (page 119) or equivalent.

**67647**

SUBARU TOE PRESS ADAPTER

The OE rear toe link bushing on the Subaru WRX can be easily removed when using the 67647 Bushing Press Adapter. Our Eccentric Toe Bushings (part #67645 page 67) can then be installed using the adapter and a 72509 Ball Joint Press (pg 123), 40920 Performance Ball Joint Press (pg 119), or equivalent.

**68670**

REMOVABLE CUTTER ROTOR-BOR

Air drill driven tool made to cut out the spot welds holding the original equipment alignment plate to the top of strut towers. Once the plate is loosened caster and camber can be adjusted. Sold with 3/8" and 5/16" removable cutters. Use our "Cool Tool" cutting fluid, 85774 (page 127), for longer cutter life.

**68750**

Replacement cutters (3) - 3/8"

68780

Replacement cutters (3)- 5/16"

CAUTION: Always wear safety glasses when using cutting or grinding tools and equipment.

68880
68890

CHRYSLER SOCKETS

These sockets are used on Chrysler products with screw in ball joints. They have a 3/4" square drive and are four-point, a perfect fit for our ball joints on page 87.



APPLICATIONS

68880 – 1-29/32" opening for Plymouth/Dodge

68890 – 2-1/8" opening for Chrysler

69330

HONDA CLEARANCE ARM SOCKET

This special 10 point socket is needed when removing the O.E. rear lower control arm on new 2001 to 2006 Honda Civics, 2003 and up Elements, 2002 to 2006 CRVs and 2002 to 2007 Acura RSXs. Included with Part No. 69300 and 69400 (page 68).



71909 TIE ROD TOOL KIT

This kit includes part numbers 71959 through 71999. It will allow adjustment of most cars and light trucks and also includes the two larger adjusting tools needed for the new Ford Super Duty pickups. Tools have a 1/2" drive opening that allows the use of a ratchet or breaker bar. Kit comes with a protective carrying case.

71959, 71969, 71979 TIE ROD TOOLS

These tie rod tools spread the tie rod adjusting sleeve for easier adjustment. You can use these tools with a breaker bar for additional power. With 1/2" drives.

71989, 71999 FORD SUPER DUTY TOOLS

These are the tools needed to adjust toe on the new Ford Super Duty Pickups. With 1/2" drives.



71909 SET INCLUDES:

71959, 71969, 71979, 71989, 71999

71959

3/4" opening for compact cars

71969

7/8" opening for standard cars

71979

1-1/8" opening for light trucks

71989

1-7/16" opening for adjusting the center link sleeve on Ford Super Duty Trucks

71999

1-13/16" opening to adjust the drag link sleeve on Ford Super Duty Trucks

CAUTION: Not for use with impact wrenches (air tools).

71969

71970

71959

71999

71979

APPLICATIONS

BMW: SPC Kits #72065, #72070, #72080, #72090, #72180, #72190

Mini Cooper: SPC Kit #72620

FRONT STRUT TOOL

This tool was designed for turning the valves on adjustable damping struts when our SPC Adjustable Strut Mounts are used on BMWs (pg. 71 & 72) and Mini Coopers (pg. 67).



72095

RWD/4WD BALL JOINT PRESS

Remove and replace ball joints without "brute force" methods that can cause costly damage. Now you can take on 4WD ball joint service in addition to servicing most cars. A forcing screw-powered press, used with proper adapters, easily removes and installs all press-fit ball joints (inc. GM plastic pin "U" type joints). In a durable plastic case.

PACKAGE INCLUDES:

- 4437** Press
- 29503** Receiver Tube, 3" OD x 2-3/4" ID
- 29504** Receiver Tube, 2-1/2" OD x 2-1/4" ID
- 29505** Receiver Tube, 2" OD x 1-3/4" ID
- 38354** 4WD Receiving Cup
- 38355** Installing Cup
- 204508** 4WD Installing Adapter
- 305227** Installing Adapter
- 305228** Removing Adapter
- 4438** Forcing Screw



NOTE: Lubricate before use.

CAUTION: Not for use with impact wrenches (air tools).

1-1/8" PUNCH

This tool is used to cut holes necessary to install our **83115** (page 79) camber kits. A must to ensure a good, round hole.



73010

PITMAN ARM PULLER

Designed to handle the toughest job, the **73119** is adjustable and has special forged jaws shaped to fit the job. Positive grip allows this tool to do many other pulling jobs.

CAUTION: Not for use with impact wrenches (air tools).



73119

74400 1-1/2" Open End

For **24160** - Holds outer bushing body and for **24180** - Holds inner eccentric sleeve.

74500 1-1/4" Box End

For **24120**, **24130**, **24180** - Adjusts the inner sleeve.

ADJ. SLEEVE WRENCHES

These wrenches make presetting our adjustable truck sleeves (page 54) easier for the installer. When using the **74400** wrench it is recommended that the opening be equally positioned over the slot opening of the sleeve body.



74400
74500

APPLICATIONS

Chevrolet/GM:

1988 - 98 RWD/4WD C & K Series 1500, 2500, 3500 w/ independent front suspensions
1991 & Up AWD Astro Vans and AWD Safari Vans.

1992 - 99 4WD V10, V20, V1500, V2500, Tahoe, Suburban
1996 - 02 RWD G10, G20, G30
1996 - 99 RWD R10, R20, R30, Tahoe

1999 - 01 Cadillac Escalade

Jeep: 2007 & Up JK

CAM KNOCK OUT PUNCH

A necessary tool for removing the alignment inserts on the upper control arm alignment brackets without damaging the bracket. Includes a center punch for the older GM vehicles and newer Jeep JKs and an offset punch for GM's newer models.

74914 - Replacement Offset Punch.

74915 - Replacement Center Punch.



74910

Tools

Torque Stix

These Torque Stix are low cost and efficient. There is nothing to calibrate or maintain and the end result is properly torqued wheels and satisfied customers who demand properly torqued lug nuts. Vehicle torque specification chart (#70050 below) included in sets.

76610-76655

INDIVIDUAL TORQUE STIX - 1/2" DRIVE

PART NO.	COLOR	DESCRIPTION	PART NO.	COLOR	DESCRIPTION
76610	green	17 mm nut, 45 ft. lbs. torque	76615	red	17 mm nut, 80 ft. lbs. torque
76620	yellow	19 mm nut (3/4"), 65 ft. lbs. torque	76625	blue	19 mm nut (3/4"), 80 ft. lbs. torque
76630	grey	19 mm nut (3/4"), 100 ft. lbs. torque	76635	brown	13/16" nut, 100 ft. lbs. torque
76640	black	21 mm nut, 60 ft. lbs. torque	76645	orange	21 mm nut, 80 ft. lbs. torque
NEW					
		76665 purple 17 mm nut, 110 ft. lbs. torque			Mercedes 1994 & Up C Class, S Class, R Class, M Class
Light Truck Torque Stix					
76650	white	7/8" nut, 120 ft. lbs. torque	76655	aqua	7/8" nut, 140 ft. lbs. torque



- Fits 95% of passenger and light truck applications.
- Helps prevent broken or damaged studs.
- Helps prevent damage to alloy wheels.
- Helps prevent distortion of rotors, drums, wheels.

76660

FORD SUPER DUTY TORQUE STIX - 1/2" DRIVE

13/16" 160 ft. lbs. - vanilla - 1/2" drive Torque Stix for: 1999 & Up Ford Super Duty trucks and 2000 - 2005 Excursions.

76670 FORD HD F150 - 1/2" DRIVE



21mm 150 ft. lbs. - turquoise - 1/2" drive Torque Stix for: 2000 - 04 Ford HD F150/Expeditions with a 12mm nut 2000 & Up Ford HD F150/Expeditions with 14mm nut.

76760 DODGE TRUCK TORQUE STIX

15/16" 135 ft. lbs. - green - Torque Stix with 1/2" drive for: Dodge BR2500 and BR3500 Pickups.

76700, 76800, 76900 1/2" DRIVE SETS

76700 four piece set includes: 76625, 76630, 76635, 76650.

76800 eight piece set includes: 76610, 76615, 76620, 76625, 76630, 76635, 76645, 76650.

76900 ten piece set includes: 76670, 76615, 76620, 76625, 76630, 76635, 76675, 76645, 76650, 76655.

75500 4 PIECE TORQUE EXTENSION SET

Use your own 1/2" drive impact sockets with these torque stix extensions. An economical choice to achieve accurate torque settings. **75500** four piece set includes:

PART NO.	COLOR	DESCRIPTION	PART NO.	COLOR	DESCRIPTION
75520	yellow	65 ft. lbs. torque	75530	grey	100 ft. lbs. torque
75525	blue	80 ft. lbs. torque	75550	white	120 ft. lbs. torque

75555 HEAVY DUTY EXTENSION

Heavy duty aqua extension for 140 ft. lbs. torque. 1/2" drive compliments **75500** set.

75560 FORD SUPER DUTY EXTENSION

160 ft. lbs. - orange - 1/2" drive extension for: 1999 & Up Ford Super Duty trucks and 2000 - 2005 Excursions.

75580, 75585 HEAVY DUTY EXTENSIONS

75580 1" drive heavy duty extension 400 ft. lbs - yellow **75585** 1" drive heavy duty extension 550 ft. lbs. - yellow

70050 TORQUE STIX CHART

Find out your correct torquing specs quickly and easily with this handy chart.



1-800-525-6505

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EZ SHIM™ CUTTER

This cutter, a must for properly cutting our patented EZ Shim™ (page 75), is a great tool for a variety of cutting needs. Its thin cutting blades help prevent breakage and waste.



75915

HONDA ADAPTERS

Honda Adapter #75980 is used in conjunction with the 72509 Ball Joint Press (page 123) and are used with the 67465 Honda Civic Camber Kit on page 64. You need these adapters to push the old bushing out of the stock arm and also to install the new bushing included in the 67465 Kit.



75980

MERCEDES PRESS SET

The 75990 Mercedes Rear Bushing Press Adapter Set is designed for quick, easy removal of the OE rear control arm bushings and for the insertion of new adjustable camber bushings. This tool set is a must for any shop servicing Mercedes vehicles, and includes a wrench for easy adjustment of the 28840 rear bushing (page 56).



75990

CAUTION: Not for use with impact wrenches (air tools).

GM INNER TIE ROD CRIMPER

When changing GM inner tie rod ends, the installer must "crimp" the new tie rod onto the rack. This tool makes the job easy and locks the tie rod end on the rack without excessive force on the rack seals.



77210

FORD SUPER DUTY TIE ROD SLEEVE ADJUSTER

This tool is specifically designed for use on the Ford Super Duty trucks as well as most other light trucks and vans as well. The extra long bar gives you maximum leverage to loosen rusted sleeves without injuring your knuckles. This 8 position tool allows 360° rotation without removing the adjuster block from the sleeve.



77350

APPLICATIONS

Dodge: 2500 & 3500

Ford: Twin I-Beam w/upper and lower ball joints

CAUTION: Not for use with impact wrenches (air tools).

FORD/DODGE COMBO SLEEVE PULLER

This sleeve puller will pull both O.E. and most aftermarket camber/caster sleeves quickly and efficiently, usually without damaging the ears of the sleeve. Heat treated high strength steel. Single-unit design with no loose parts.



77880

APPLICATIONS

Saturn: 1991- 03

All Models except 2000 & up LS

SATURN TOE TOOL

The leverage this tool provides to move the rear control arm makes it easy to accurately adjust toe on most Saturn vehicles.



78090

DEEP, THIN WALL FLIP SOCKETS

These 1/2" square drive impact sockets are deep and thin walled to reach areas conventional sockets can't reach. Both part numbers provide two sizes.

79230: 3/4" and 13/16"

79240: 19mm and 21mm

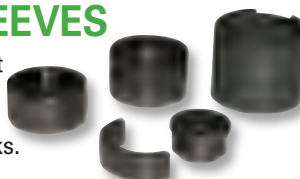


79230

79240

GM BUSHING PRESS SLEEVES

These adapter sleeves are designed to be used with the 72509 Ball Joint Press (page 123). They are designed specifically for easy removal of the stock bushing and installation of the 86330 and 86350 Offset Upper Control Arm Bushings (page 82) used on 1988 and newer GM light trucks.



79500

Tools

81139

MAGNETIC ADJUSTABLE CAMBER GAUGE

The 81139 is inexpensive, portable, and very accurate. It has a simple leveling adjustment of $\pm 3^\circ$. Housed in a durable, non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.

81134 - Replacement Bubble Vial.

81133 - Replacement Magnet.

- Time/money saving device.
- Return a strut to its original camber after repair or replacement.
- Measure amount of camber change movement before reinstalling alignment heads during camber kit installation.
- Check the amount of camber change before reinstalling tire and wheel assemblies on trucks receiving offset alignment bushings.

81309

STEEL WHEEL RIM STRAIGHTENING TOOL

For quick and easy removal of indentations on wheel flanges and rims of most vehicles. Allows proper tire seating, giving greater tire protection and durability. This tool is powder coated for added durability.

83125

HEAVY DUTY WHEEL WEIGHT TOOL

This heavy duty wheel weight tool has a special grip hammer and pliers for removal and installation of truck wheel weights. If you are using steel wheel weights, instead of lead wheel weights, this is the tool for you!

83775

GM ALIGNMENT TOOL

This tool allows for fine, accurate, easy adjustments of camber or caster on GM vehicles. No extra parts or cutting/ grinding needed.

APPLICATIONS

Adjust front camber/caster

Cadillac: 2003 & Up CTS/V

2004 - 09 SRX, 2005 - 11 STS

Chevrolet: 1993 - 02 Camaro

Pontiac: 1993 - 02 Firebird, Trans Am

Adjust rear toe

Buick: 1978 - 92 Riviera

Cadillac: 1978 - 92 Eldorado, Seville

Oldsmobile: 1978 - 92 Toronado

83795

GM MID-SIZE SUV CAMBER TOOL

This turnbuckle design tool attaches to the front lower control arms and allows the technician to easily change camber on these popular SUVs. The tool range is from 36" to 44".

APPLICATIONS

Buick: 2004 - 07 Rainier

Chevrolet: 2003 - 06 SS,
2002 - 09 Trail Blazer

GMC: 2002 - 09 Envoy

Isuzu: 2003 - 07 Ascender

Olds.: 2002 - 04 Bravada

Saab: 2005 - 09 9-7X

83820

FORD TRUCK CAM ADJUSTING WRENCH

This wrench is specifically designed to adjust the 86640 Camber/Caster Kit (page 82). This steel wrench is plated for durability.

APPLICATIONS

Ford RWD/4WD:

2002 - 06 Expedition

Lincoln RWD/4WD:

2003 - 06 Navigator

83850

GM REAR TOE TOOL

Tool allows quick, precise, and profitable adjustments of rear toe on both left and right sides of GM vehicles.

APPLICATIONS

Buick: 1988 - 04 Regal

Cadillac: 2003 & Up CTS/V

2004 - 09 SRX, 2005 - 11 STS

Chevrolet: 1988 - 01 Lumina Sedan
1995 - 99 Monte Carlo

Oldsmobile: Cutlass Supreme

Pontiac: 1990 - 96 Grand Prix

Rotary Files

STEEL FILE SET 85125

High quality carbide rotary files, ideal for elongating strut holes on many vehicles. Use when installing **82110**, **82120**, and **87350** adjusters. May be used with 1/4" or 3/8" drills at high speeds. Available individually. Use with **85774** Cool Tool cutting fluid (below).

INCLUDES:

85126 - 1/4" Rotary File (Max. Operating Speed 9,000 RPM)

85127 - 3/8" Rotary File (Max. Operating Speed 9,000 RPM)

85128 - 5/8" Rotary File (Max. Operating Speed 7,000 RPM)

3/8" ROTARY FILE SET 85130

This rotary file set is ideal for every technician. Be ready to elongate slots in Aluminum and Steel frames and brackets to accept larger offset cams. The kit includes one 85127 rotary file for steel, one 85137 rotary file for aluminum, and cutting fluid (85774) to extend your rotary file's life.

ALUMINUM FILE 85137

This 3/8" rotary file is specifically designed for Aluminum. Use it to quickly and cleanly expand cam slots in aluminum brackets and frames. It is an ideal tool to use when installing SPC Nissan and Infiniti Cams (pages 70, 71 and 73). Also is perfect when installing our new Ford Crown Vic Front Cam Kit (page 84). Use with **85774** Cool Tool cutting fluid (below).

COOL TOOL FLUID 85774

This fluid lubricates the **85125** Rotary File Set (above), and the **68670** Rotor-Bor (page 122) to reduce stress on the cutting teeth. This product is **highly recommended** to prolong the life of all cutting bits used on steel.

CAUTION: Always wear safety glasses when using cutting or grinding tools and equipment.



APPLICATIONS

All Taurus/Sable/Windstar vehicles

857901 Replacement Cutter

CAUTION: Always wear safety glasses when using cutting or grinding tools and equipment.

FORD 3/8" DIAMETER ROTOR-BOR

Use this air drill driven tool to cut out the spot welds holding the original equipment alignment plate to the top of the strut tower of all Taurus/Sable/Windstar vehicles. Once the plate is loosened caster and camber can be adjusted.



CAUTION: Not for use with impact wrenches (air tools).

3-IN-1 SPINDLE PULLER 85796

85796 is a 3-in-1 puller that makes removing the spindle from four wheel drive vehicles much easier. This puller fits spindle sizes 1-1/2", 1-5/8" and 2" spindles that are O.E. on 4x4 trucks.



APPLICATIONS

87130 -13/16" for Ford Aerostar Van

87135 -3/4" for GM Astro Van & 1973-87 GM RWD pickups

CAUTION: Not for use with impact wrenches (air tools).

MINI VAN CAMBER/CASTER WRENCHES

These wrenches are designed specifically to make front wheel alignments faster and easier. By fitting the upper control arm bolts, these wrenches can fine tune camber and caster adjustments on Ford Aerostars & GM Astro Vans and older RWD pickups.



87175

TRUCK SLEEVE SOCKET

This 1-1/2" socket is useful for adjusting both the OEM and our popular **23130** and **23180** sleeve series (see pages 50 and 51) for Ford and Mazda RWD and 4WD trucks with pinch bolt style suspension. For 1/2" drives.

APPLICATIONS

Ford RWD: 1987 - 96 F150, F250 (L/D), 1987 & Up F250 (S/D), F350, 1992 & Up E150, E250, E350, 1989 - 97 Ranger, 1989 - 90 Bronco II, 1991 - 94 Explorer

Ford 4WD: 1990 - 97 Ranger 1991 - 94 Explorer

Mazda RWD/4WD: 1991 - 94 Navajo, 1994 - 97 Pickup

87325

TAURUS & TEMPO REAR TOE WRENCH

This tool allows quick, precise, and profitable adjustments of O.E. rear toe on both sides of Ford and Mercury Sedans.

APPLICATIONS

Ford: 1986 - 06 Taurus/Tempo Sedans

Mercury: 1986 - 06 Sable/Topaz Sedans

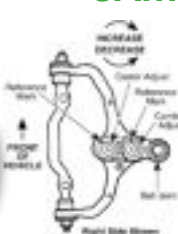
87530

VW SHIM WRENCH

Designed to remove the rear hub when installing our **71520** and **71530** Series Volkswagen shim (page 65). This wrench is a must in assisting the installer when using these camber and toe shims.

88325

CAMBER/CASTER WRENCH



This unique camber and caster adjustment tool fits full size RWD Ford vehicles. Starting in 1991 Ford RWD vehicles require rotating a separate cam for each angle adjustment. To adjust caster/camber use the **88325** wrench to rotate the cam. This wrench also holds the cam to prevent slipping when tightening the lock nut.

1/2" Drive

APPLICATIONS

Ford: 1992 - 02 Crown Victoria

Mercury: 1992 - 02 Grand Marquis

Lincoln: 1991 - 02 Town Car

88830

FORD/DODGE SLEEVE PULLER (AFTERMARKET)

This puller is designed to work specifically with the **23100** and **23120** sleeves. It will allow the technician to pull the sleeves without normally breaking the ears off the sleeve.

CAUTION: Not for use with impact wrenches (air tools).

88830 is not recommended for use on Ford Motor Co. original equipment sleeves. Use 77880 (page 125) for O.E.M. Sleeves.

89000

INNER TIE ROD END WRENCH SET

Set includes the **89105** Dual Socket Inner Tie Rod Removal Tool along with the **89106**, **89107** and **89108** adapter sockets. Also available individually.

CAUTION: Not for use with impact wrenches (air tools).

89105 - Dual socket inner tie rod removal tool, fits 1-3/16" or 1-5/16" hex. inner tie rod ends on Fords and Chryslers with TRW racks.

89106 - A 1-3/16" hex. tool for inner tie rod ends on Ford Escort, Tempo, Topaz, Lynx.

89107 - A 1-5/16" hex. tool designed for inner tie rod ends on 1986 & up Taurus/Sable.

89108 - A 1-7/16" hex. tool designed for GM Saginaw rack and pinions.



89105

89106

89107

89108

FASTRAX™ CAMBER / CASTER GAUGE

This great tool is a must for all garages and shops - plus, it can't be beat at the track.

Portable, hands-free alignment can be done quickly and easily with the **FasTrax™ Adjustable Camber/Caster Gauge**. This tool will help you fine tune your alignment for optimal tracking and handling while minimizing alignment headaches.

- Includes gauge and wheel mount.
- Displays Camber $\pm 4^\circ$ / Caster -4° to $+12^\circ$.
- Saves time and tires.
- Accurate, rugged and easy-to-use

91000 Standard - Fits wheels 13" to 18"
Optional Toe Adapter Kit (91100) sold below.

91010 Performance - Fits wheels 17" - 22"
Optional Toe Adapter Kit (91100) sold below.

91025 Off-Road - Fits Wheels 13" to 18"
Align off-road wheels - tire sizes up to 44".
Includes longer toe arms, bungie cord & tape measure.

91030 No lip adapter
A quick adapter to attach the FaxTrax to wheels without an outer "lip". Fits on the 91000, 91010 and 91025.

91040 Heavy Duty - Fits Wheels 21" to 26"
Perfect to add to your PMs - Check your alignment in just 5 minutes. Includes extra length toe arms, heavy duty tape measure and no lip adapters.

91040
See Pg. 104
for more

We have a FasTrax for your use:

Garage	Racing
Performance	Off-Road
Muscle	Semi's

If you do any of these jobs at your garage - you need the FasTrax Camber/Caster Gauge!

- Install adjustable control arms
- Replace idler arms / tie rod ends
- Replacing struts
- Install adjustable bushings
- Collision repair estimates
- Frame straightening

FASTRAX™ OPTIONAL TOE ADAPTER KIT **91100**

Simply lower the toe arms and insert tape measure into slot. Then measure to opposite tire reference point for accurate and fast toe readings. Includes 2 arms and reinforcement blocks that install easily onto either the **91000** or the **91010**.

For more convenience we recommend 2 FasTrax with Toe Adapters.

APPLICATIONS

Ford: 1996 & Up Taurus Station Wagon

Mercury: 1996 & Up Sable Station Wagon

FORD STATION WAGON REAR TOE TOOL

Ford Taurus and Mercury Sable Station wagons have a sprocket type cam to adjust rear toe. This tool engages the sprockets and allows the technician to turn the cam for required adjustment.

91000
91010
91025



91000



91000
w/91100

91025



91010



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Applications

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Accessories

Brake & CV

Gear/Index

ACCESSORIES

99684



WHEEL ALIGNMENT GAUGE

Features the broader ranges (Caster +14°/-6°, Camber +8°/-8°, SAI +20°/-20°) necessary in today's new vehicles. This gauge is made with precision workmanship and quality materials. The housing is made of durable die cast aluminum. The multi-pole ALIGNCO MAGNET, with built-in cutting teeth, removes burrs on the hub surface. Levels are recessed to prevent breakage. Can be used with #91088 below.

OPTIONAL ADAPTER: 99961 - Adapter for mid & full-size cars.

91088



ADAPTER FOR MAGNETIC ALIGNMENT GAUGES

Fits all cars and light trucks with wheel diameters up to 20 in. This rim adapter is used when the hub is inaccessible. The adapter easily attaches to the rim, using built-in thumb screws, to provide a machined surface for accurate measurement of caster, camber and steering axis inclination (use with 99684 (above) caster/camber gauge).

99918



WHEEL SPREADER

Take the play out of front wheels during alignment! Place this spring-loaded pressure bar between the tires to assure a more accurate alignment. *A must for Mercedes vehicles.*

99361
99374



TOE MEASURING GAUGES

Spring-loaded gauges easily adapt to a variety of tread widths in order to give fast, accurate toe readings.

APPLICATIONS

99361 extends 46-74 in. for light trucks & cars.

99374 extends 39-60 in. for standard and compact cars.

77928
77938



CAUTION:
Use only according to directions packaged with product.

77928 BRAKE PEDAL DEPRESSOR

An adjustable steel plate extends the length of the bar to put constant pressure on the brake pedal.

77938 STEERING WHEEL HOLDER

A must for proper alignments. This tool securely holds the steering wheel and covered hooks and base prevent damage to the steering wheel or seat.

99750



TURNTABLES (PR)

99750 is full floating with enclosed ball bearings. Large, easy to read dial is quickly adjusted to zero. Ideal for racks, pits, floor units or stands (99884 - next page). *Sold in pairs.*

APPLICATIONS

Cars and light trucks

DIMENSIONS

11" x 15-1/2" x 2"
Weight Limit: 5,000 lbs/wheel
Range: 100°

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DIMENSIONS

Base: 20-3/4" x 16-3/4"
Top: 15-1/2" x 11-3/4"
Height: 15-1/2" (with WA750 turntables)
Weight: 17 lbs. (Each)
Weight Limit: 2,500 lbs/wheel

FRONT WHEEL STANDS (PR)

99884

Made of heavy gauge steel, these portable stands will enable the wheel alignment mechanic to perform alignments without an alignment rack. Designed to be used with 99750 turntables (optional). All legs have leveling adjustments. **Sold in pairs.**



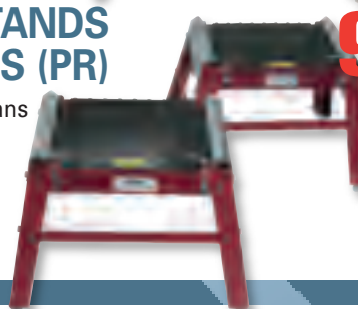
DIMENSIONS

Top: 13-1/4" x 10-1/2"
Height: 15-1/2"
Weight: 28.5 lbs. (Each)
Weight Limit: 2,500 lbs/wheel

REAR WHEEL STANDS WITH SLIP PLATES (PR)

99886

Portable stands allow technicians to perform alignments without an alignment rack. Use with **99884** Front Wheel Stands, all legs have leveling adjusters. **Sold in pairs.**



DIMENSIONS

11-1/2" x 17-3/4" x 3/8"

REAR SLIP PLATES (PAIR)

91851

With a total height of only 3/8", these low-profile slip plates allow a 2 inch total movement of the rear wheel while adjusting camber and toe. **Sold in pairs.**



99511

APPLICATIONS
Cars and light trucks

99512

APPLICATIONS
Trucks, buses, vans and RV's

99548

APPLICATIONS
Honda ATVs, Yamaha ATVs

POINTERS

WA5119 11" Pointer
WA515-9L 17" Pointer

99511 TOE BAR WITH SCRIBE

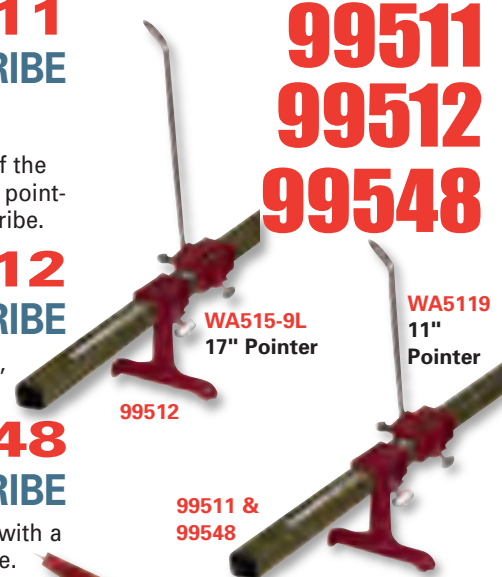
Gives toe readings (in 1/32 of an inch increments) by measuring distances between marks scribed at the center of the tire treads. Comes with 8 ft. bar, 11 in. pointers, 5 in. stands, and **99516** (below) scribe.

99512 TOE BAR WITH SCRIBE

Complete with 8 ft. bar, 17 in. pointers, 5 in. stands, and **99516** (below) scribe.

99548 TOE BAR WITH SCRIBE

Same as **99511** except with a 4 ft. bar with a 50mm gauge, and **99516** (below) scribe.



SCRIBE ASSEMBLY

Included with all the toe bars shown above (**99511**, **99512**, **99548**). This scribe is ideal for use with any style of toe measuring bar.

PT0500-01 - Replacement Pin.

99516



Do you specialize in Heavy Duty Trucks or maintain a truck fleet?
Check out our complete Heavy Duty Truck Section on pages 97-106

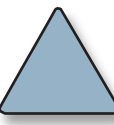


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Carbide Brake Lathe Inserts

Brake Lathe Models	SPC Part #	Per Pack	OEM Part #	Cutting Edges	Description	Bits - Actual Size
Accu-Turn 8911,8922, 8944, 8989, 8991, 8993	06005 06010	5 10	433795 433796	3 3	Positive rake carbide bit.	 SPC Part # 06005 06010 40702 40706 40710 40710S
All Tool 747	06506 06510	6 10		3 3	Positive rake carbide bit.	
Ammco 1000,1001,3000,4000, 4100,7000,7700, On-vehicle lathe 700,705,710 Drum side on 3850 1000,1001,3000,4000, 4100,7000,7700, On-vehicle lathe 700,705,710 Drum side on 3850 3850,4000,7000,7500 6900,6950 Twin cutter/9381 Grinding Set	06202 06206 06210	2 6 10	6914-2 6914-6 6914-10	12 12 12	Negative rake carbide bit.	
	06610	10		12-18	Round bits for round tool holders.	
	10306	6	7681-6	3	Positive rake carbide bit	 SPC Part # 06506 06510 06202 06206 06210 10306
FMC-John Bean/Barrett 67BSD,67DLX,67GSA, 69DLX,701ECF,601PF FMC or Barrett 400,500,700 67BSD,67DLX,67GSA, 69DLX,701ECF,601PF FMC or Barrett 400,500,700 500 Series On-The-Car Lathe 500 Series On-The-Car Lathe	40702 40706 40710	2 6 10	90487 90488	3 3 3	Positive rake carbide bit with .020 radius. Left and right hand tool holders.	
	40710S	10	90327	3	Original style positive rake carbide bit with .020 radius-Superior grade & grind for enhanced tool life	
	10306	6	91212	3	Positive rake carbide bit.	
	06202 06206 06210	2 6 10	90817	3 3 3	Negative rake carbide bit.	 SPC Part # 70210 90310
Hofmann/RJ West True-Cut 400/401	40702 40706 40710	2 6 10	722-83-4	3 3 3	Positive rake carbide bit.	
	40710S	10	N/A	3	Ext. duty positive rake carbide bit.	
	06506 06510	6 10	221-583-3	3	Positive rake carbide bit. For Rotors.	
Hunter BL500 / BL505	70210	10	V302-07-167	12	Negative rake carbide bit.	 SPC Part # 06906 06910 80206 80210 70606
Kwik-Way SDL,DL,850 Disc Lathe,NDL, BDL, CBL Kwi-Lathe On-The-Car #108-0005-04 ROTUNDA, LINE-O-TRONICS	80206 80210	6 10	109-1092-23	3 3	Positive rake carbide bits for rotor and drum.	
Performance 66, 6600, 7100, 7200, 7600	06506 06510	6 10	8711 8711	3 3	Positive rake carbide bits for rotor and drum.	 SPC Part # 06610
	40702 40706 40710	2 6 10	W139	3 3 3	Positive rake carbide bit.	
Perfect Equipment 400 & 450 Twin Turn	40702 40706 40710	2 6 10		3 3 3	Positive rake carbide bit.	 SPC Part # 90203 90310
Pro-Cut 610 On-The-Car Lathe	06906 06910	6 10	50-741 50-742(8)	3 3	Positive rake carbide bit for Ford.	
610 On-The-Car Lathe	70606	6	50-701	3	Positive rake carbide bit.	 SPC Part # 06610
Rels SW504 Swing Arm	80206 80210	6 10	SW4236-15	3 3	Positive rake 15 degree carbide bit.	
204C, 204D, 204S, 205DC, 415	90310	10	29687V	3	Positive rake carbide bit.	 SPC Part # 06610
2000	06202 06206 06210	2 6 10	45001	12 12 12	Negative rake carbide bit.	
RTI BRC500,BRC550 BRC35 On-The-Car Lathe	10306	6		3	Positive rake carbide bit.	 SPC Part # 06610
Snap-On YA180,YA281	80206 80210	6 10	BTK10A	3	Positive rake carbide bit.	
Van Norman 204S Old Style, 205DR, 301, 303, 304, 305, 310, 404, 404,4 05 243XV, 204C, 204D, 204S, 205DC, 415	90203	3	302167	2	Positive rake parallelogram drum bit.	 SPC Part # 06610
	90310	10	129687 866561	3	Positive rake bit.	
VGB 610 On-The-Car Lathe	70606	6		3	Positive rake carbide bit.	SPC Part # 90203

Tech Tip: Positive rake bits usually have 3 cutting edges, have a tapered shape to them, and are installed on a flat tool holder.
Negative rake bits can have 12 cutting edges, are square with the edges, and are used with an angled tool holder.

Brake & CV

00191**RIGHT HAND TOOL HOLDER**

Fits Model 7000 Disc Rotor Lathe and 3000, 4000, 4100 Drum Lathes. Complete with one Carbide Insert No. 062. **AMMCO**

**3/8" Square Shank****00192****LEFT HAND TOOL HOLDER**

Fits Model 7000 Disc Rotor Lathe and 3000, 4000, 4100 Drum Lathes. Complete with one Carbide Insert No. 062. **AMMCO**

**3/8" Square Shank****00404****RIGHT HAND TOOL HOLDER**

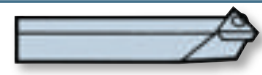
Fits all **FMC/JOHN BEAN** Brake Lathes and **ACCU-TURN**.

Complete with 1 Carbide Insert No. 407. **FMC/JOHN BEAN, ACCU-TURN**

**3/8" Square Shank****00405****LEFT HAND TOOL HOLDER**

Fits all **FMC/JOHN BEAN** Brake Lathes and **ACCU-TURN**.

Complete with 1 Carbide Insert No. 407. **FMC/JOHN BEAN, ACCU-TURN**

**3/8" Square Shank****06700****RIGHT HAND AND LEFT HAND TOOL HOLDERS****3/8" Square Shank**

Fits **ALL TOOL, AMMCO, HUNTER, PERFORMANCE**, and **RELS**. Complete with Carbide Insert No. 06610. Number 06700 includes 2 holders, one right hand and one left hand, with one left and one right bit.

Rotor Silencers

ON CAR BRAKE LATHE SILENCER 00050

Designed for **Pro Cut** on car lathes, this silencer fits on top of the cutting tools, deflecting chips and damping chatter.

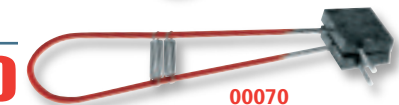
**00050****VENTILATED DISC SILENCER 00069**

Fits any ventilated rotor and is made of natural rubber with lead weight inserts. It easily wraps around rotor to deaden vibration and chatter.

DIMENSIONS: 32" long.

**00069****BENCH BRAKE LATHE SILENCER 00070**

This standard style silencer fits on top of the cutting tools, deflecting chips and damping chatter.

**00070****DRUM SILENCER 00080**

00080 drum silencer fits any passenger car drums. Made of natural rubber. It wraps around the drum and is secured with a buckle.

DIMENSIONS: 1-3/4" wide, 72" long

**00080****SILENCER BANDS 00094, 00096**

Large and small black rubber gasket-type silencer bands for solid rotors.

DIMENSIONS: **00094:** - 1/4" x 3/8" x 9" diameter

00096: - 1/4" x 3/8" x 6-1/2" diameter

**00094, 00096****VENTILATED ROTOR DISC SILENCERS 00095, 00195**

Used on any brake lathe and with any ventilated rotor, they suppress vibration and noise. Segmented silencer is made of the finest latex rubber tubing with four (4) steel tubes to quiet chatter. Recommended for all disc resurfacing machines.

DIMENSIONS: **00095:** - 10" diameter

00195: - 7" diameter

**00095, 00195****ADJUSTABLE VENTILATED ROTOR SILENCER 00098**

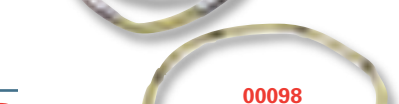
This adjustable silencer is made of latex tubing with lead weight implants.

DIMENSIONS: 32" long

**00098****ELASTIC ADJUSTABLE SILENCER 00099**

Dampen chatter, noise and vibration on solid and vented rotors.

DIMENSIONS: 3/16" x 3/8" x 6-3/4" diameter. Stretches to 19" diameter

**00099****SPRING LOADED SILENCER 09800**

Replacement for **Ammco 9800** Spring Loaded Silencer

**09800**

Brake & CV

00083



DISC BRAKE PADS (PAIR)

Made of a tough friction substance, these replacement pads easily snap onto the **AMMCO 7075** Disc Rotor Silencer. They are very good for thin, non-vented type rotors on many import cars.

00989



GRINDING PADS

These non-directional pads help produce a smooth finish on machined rotors. Replacement for **AMMCO 8756** pads. Adhesive mounting; 4" diameter; set of six.

00999



SWIRL GRINDER

Non-directional hand held swirl finishing tool puts the required finish on your rotors. Lightweight aluminum handle with knurled grip makes a job fast and easy. Velcro-type mount, 4" diameter head.

00991 – (Set of 10) - Fine Replacement Pads

00992 – (Set of 10) - Coarse Replacement Pads

06854



LATHE KNOB

Replacement knob for **AMMCO** Lathes (1 each).

33174



GAUGE FOR RUN-OUT SETS

This replacement gauge fits our stand-alone run out gauge (**#64250** - below).

64250



Includes ball joint/
tie rod extenders

- Measures out of round condition which can cause front end vibration
- Pinpoints high and low spots in the tire

Tire Radial Run-Out

- Measure kingpins ball joints, and tie rod end axial & radial play
- Extender rods for hard to reach areas

Suspension / Ball Joint Play

- Check for bent or out of round wheels
- Out of round wheels may cause a shimmy condition

Wheel Lateral Run-Out

- Measure brake rotor high spots and out of round
- Measure hub radial play

Brake Rotor and Hub Run-Out

RADIAL RUN-OUT GAUGE

Radial run-out is an out of round condition in which the radius of the wheel or tire is not consistent from the wheel center to any point on the rim or the tread. Tire and wheel radial run-out are often factors in troubleshooting ride and handling and in maintaining correct wheel balancing to reduce vibration.

Includes:

- Heavy duty tripod
- Wide machined roller
- Accurate pin-pointer
- Ball joint/tie rod extenders

Please refer to *Specialty Products Wheel Alignment Specifications Book* (part **#82012**) for ball joint specifications.





CV BOOT CLAMP INSTALLATION TOOL

02099

Designed for the low-profile clamps used to hold C.V. Boots on FWD vehicles. The **02099** comes complete with a ratchet. We recommend using this tool when installing our **87365** Crown Victoria Camber Kit (page 84).



UNI-FIT CV SOLID REPLACEMENT BOOT

Manufactured of Neoprene, the boots are resistant to oil, grease, water, drying, abrasion, and tearing. They are easy to install and fit most front wheel drive passenger cars and light trucks. Each kit includes boot, OE type grease, universal clamps, and easy installation instructions. One size fits most cars.

This patented Conicalution™ design features continuously rounded fluting that evenly distributes stress and reduces boot wear.



- Rapid Turnover
- Reduces Inventory
- Simple to Catalog
- Easy Ordering
- Never Obsolete
- Saves Space
- Durable
- No Part Mix-ups

33001

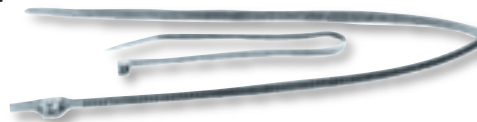


33053, 33054 BOOT CLAMPS

Stainless steel replacement bands in 2 lengths for securing the 33001 Uni-Fit boot.

Use our #02099 Boot Clamp (above) Installation tool to make tightening these clamps easy!

33053 – (Set of 10) - 8 in.
33054 – (Set of 5) - 19 in.



33060 BOOT CLAMP SET

Stainless steel replacement bands in 2 lengths for securing the **33001** Uni-Fit boot packaged on an easy to inventory card. Contains one each - 8 in. & 19 in.



UNI-FIT REPLACEMENT BOOT ECONOMY PACK

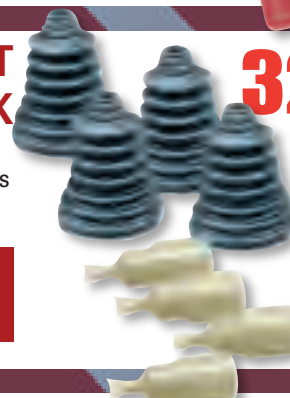
32012

The Economy Pack is ideal for the shop that wants to save inventory dollars. Bulk buying saves you time and money by having the lowest possible price boots waiting on your shelf. No more waiting for delivery service, no missed sales.

PACKAGE INCLUDES EVERYTHING NEEDED FOR CONTINUOUS SERVICE:

33001 - Uni-Fit CV Boots (12), Grease tubes (12), 18-1/2 in. Stainless steel bands (12), 7-1/2 in. Stainless steel bands (12), Instruction sheets.

Use our #02099 Boot Clamp (above) Installation tool to make tightening these clamps easy!



UNI-FIT STEERING BOOT (PAIR)

33020

This one-size fits-all Uni-Fit rack & pinion boot has been supplied throughout the world since 1981. It is made of durable, neoprene material that is oil, grease and water resistant. The kit includes two boots and two clamps to service both sides of the rack.



World Application Wheel Alignment Catalog (part #20019)

Printed in three languages, English, Spanish and French, this comprehensive alignment catalog features our most popular parts, tools, accessories used in the world market.

Applications for many European, Asian and Latin American specific vehicles are available in our easy to use make/model year format. The catalog also contains all of our North American applications, making this the perfect publication for French and Spanish speaking techs in the United States, Canada and Mexico.



GEAR

20106

NEW



HEAVY DUTY WHEEL CENTERING TOOLS COUNTER MAT

Create extra sales at the counter with this great teaching tool from SPC. This high quality, foam backed mat explains the problems caused by off-centered wheel and the benefits of using our Wheel Centering Sleeves. 11" x 17"

20107

NEW



"WHY DO YOU NEED A PROPER ALIGNMENT?" COUNTER MAT

Sell more alignments to your customers with this high quality counter mat which explains tire wear problems, alignment angles along with solutions and benefits of a proper four wheel alignment. This **2 sided** mat has English on one side and Spanish on the other. 11" x 17"

20108

NEW



"WHY DO YOU NEED A PROPER ALIGNMENT?" POSTER

All the information from our popular Alignment Counter Mat (#20107), but in a large poster size. Perfect for fitting into standard retail store frames, this poster is a great selling tool for the front of your store. 22" x 35"

Don't forget all our installer training options - check out page 3 or go online to www.specprod.com/training. We have the most up-to-date training available in the alignment field, from on-line courses to in-depth training at our corporate office.



63000

SPC PERFORMANCE GOLF SHIRT

High quality cream colored shirt with SPC Performance red logo embroidered on the front.

SIZES

PERFORMANCE - CREAM COLOR SHIRT

63000M Medium
63000L Large
63000XL Extra Large
63000XXL X-Extra Large

63010

TRADITIONAL GOLF SHIRT

High quality black golf shirt with our traditional 'Indian Head' logo embroidered on the front.

INDIAN HEAD LOGO - BLACK COLOR SHIRT

63010M Medium
63010L Large
63010XL Extra Large
63010XXL X-Extra Large

63004



SPC PERFORMANCE SEW-ON PATCH

White patch, 2" x 3.5", embroidered with the SPC Performance logo in red. Perfect for sewing onto jackets, racing suits and more!

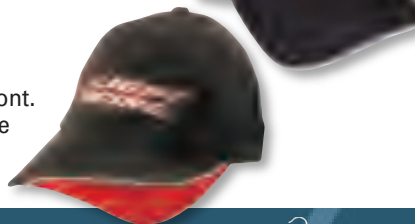
SPC PERFORMANCE BALL CAP

Great looking ball caps with SPC Performance embroidered on the front. Navy, mid profile, with a red and white SPC Performance logo. One size fits all.

63007
63009

LIGHT RACING BALL CAP

Great looking ball caps with Light Racing stitched on the front. Black, mid profile, with a red 'wave' bill and a red and white logo. One size fits all.



SIZES

SPC PERFORMANCE - TRI COLOR JACKET

66000M Medium
66000L Large
66000XL Extra Large

INDIAN HEAD LOGO - TRI COLOR JACKET

66010M Medium
66010L Large
66010XL Extra Large

INDIAN HEAD LOGO - BLACK/WHITE JACKET

66070M Medium
66070L Large
66070XL Extra Large

SPECIALTY PRODUCTS COMPANY NYLON JACKETS

These jackets are great for light outdoor wear. Our traditional 'Indian Head' logo is available stitched on a black/white jacket as well as on a tri-color red/white/black jacket. You can also get our SPC Performance logo embroidered on our great looking tri-color nylon jacket.

Note: Jacket availability may be different than pictured.



66000
66010
66070

SIZES

66020S Small
66020M Medium
66020L Large
66020XL Extra Large

SPC MECHANIC'S GLOVE

Gloves with a synthetic leather palm and Spandex padded top for form-fitting durability featuring reinforced thumb, index finger and fingertips with contact points for improved handling of objects.



66020

SIZES

INDIAN HEAD LOGO -

66065M Medium
66065L Large
66065XL Extra Large
66065XXL X-Extra Large

SPC PERFORMANCE - DRIFT T-SHIRT

66075M Medium
66075L Large
66075XL Extra Large
66075XXL X-Extra Large

LIGHT RACING - BLACK W/ RED & SILVER T-SHIRT

66077M Medium
66077L Large
66077XL Extra Large
66077XXL X-Extra Large

SPECIALTY PRODUCTS COMPANY T-SHIRTS

Take your choice from a great variety of heavy duty t-shirts. Choose from a classic black 't' with our Indian Head logo printed on the front, or our SPC Performance Drift t-shirt with a multi color image on a grey heather shirt or finally, a 2-sided Light Racing black t-shirt with the logo printed on the front and a JounceShock blueprint in 2 colors on the back.



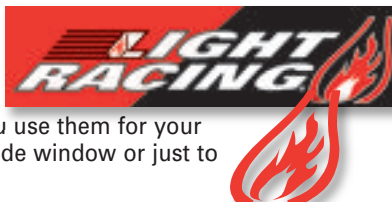
66065
66075
66077

67001
67002
67003
67008



SPECIALTY PRODUCTS' VINYL

Vinyl stickers that proclaim you have the best in suspension parts. These stickers look great whether you use them for your windshield, bumper, side window or just to put on your tool box.



DIMENSIONS

- 15004** Light Racing Bumper Sticker Red/Black - 2.25" x 8.5
15008 Red cut vinyl - Light Racing Flame - 8" x 9"
67001 White cut vinyl - SPC Performance - 2" x 6"
67002 Red printing on White Base - SPC Performance - 1.5" x 5"
67003 White Windshield Decal SPC Performance - 4" x 39"
67008 SPC Performance Bumper Sticker - Red/Black 2.25" x 8.5"

88033
88035
88036



88033



88035



88036



88037

88033 - INSTALLER BANNER

2' x 4' white banner/red & black lettering with grommets. This banner is perfect for letting your customers know that you install only the best - SPC Performance.

88035 - TRADITIONAL BANNER

3' x 5' white banner/red & black lettering with grommets. Show your customers you deal with the best - Specialty Products Co.

88036 - PERFORMANCE BANNER

No hiding with this 3' x 5' white banner. Red SPC Performance lets everyone know that you have the best in performance tuning alignment parts.

88037 - LIGHT RACING BANNER

3' x 5' white banner. White with red Light Racing lets everyone know that when you go off-road - you go with the best!

SPC Knows Performance

Circle Track

Innovative products that give you a true advantage in your chassis set up, handling and performance. Our fully adjustable arms are designed for use on many stock or tube framed chassis for circle track, road racing and quarter mile. Components available to custom fit any chassis.



Muscle Car, Street Rod & Strip

Entire suspension solutions for muscle cars or street rods. Fully adjustable, rugged upper control arms, custom designed lower control arms to improve your tracking and handling, coil springs that provide optimum rates for unsurpassed performance along with spindles, components and more!

Sport Compact/Road Race

SPC Performance is the world leader when it comes to performance suspension tuning. With cutting edge designs and over 35 years experience, SPC alignment kits are recognized for top quality and largest adjustment ranges. Whether you are road racing on the weekend, building an ultra high end show car or professionally drifting your ride, our parts have been there and have what it takes to win.



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NUMERICAL INDEX & RETAIL PRICING (U.S. DOLLARS)

Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP
27	116	T	40.95	1817	92	SP	25.25	00099	133	T	16.85	10473	99	SP	77.08	10703	99	B	97.37
498	116	T	70.62	1818	92	SP	26.75	00191	133	T	35.97	10474	99	SP	266.73	10704	99	W	221.33
498-1	116	T	54.42	1819	92	SP	29.85	00192	133	T	35.97	10503	99	SP	83.88	10705	99	B	73.27
498-2	116	T	16.67	1903	92	W	29.82	00195	133	T	43.20	10504	99	SP	191.15	10712	99	B	81.08
498-3	116	T	1.92	1905	92	W	32.58	00404	133	T	36.62	10505	99	SP	49.73	10713	99	B	106.97
499	116	T	117.25	1906	92	D	35.92	00405	133	T	36.62	10512	99	W	51.27	10714	99	W	246.45
499-1	116	T	51.70	2006	92	SP	25.45	00989	134	T	16.05	10513	99	W	89.63	10722	99	B	81.75
499-2	116	T	43.95	2007	92	SP	26.82	00991	134	T	26.42	10514	99	SP	258.00	10723	99	B	112.27
499-3	116	T	1.92	2008	92	SP	32.82	00992	134	T	26.42	10522	99	W	53.00	10724	99	C	228.70
499-4	116	T	30.05	2009	92	SP	34.18	00999	134	T	181.38	10523	99	W	93.48	10732	99	B	83.18
1102	92	SP	19.27	2012	92	SP	24.52	02099	135	T	80.47	10524	99	SP	281.37	10733	99	B	120.92
1103	92	SP	21.78	2013	92	SP	26.73	06005	132	T	32.23	10532	99	W	55.33	10734	99	D	246.07
1104	92	SP	23.18	4159	120	T	52.80	06010	132	T	55.63	10533	99	W	99.25	10742	99	C	87.55
1105	92	SP	24.52	4169	117	T	36.42	06202	132	T	9.53	10534	99	W	265.60	10743	99	C	128.63
1106	92	W	26.75	4415	120	T	34.85	06206	132	T	30.08	10542	99	W	57.22	10744	99	D	299.85
1303	92	SP	20.55	4416	120	T	39.37	06210	132	T	41.00	10543	99	W	103.12	10752	99	C	92.45
1502	92	SP	15.82	4417	120	T	33.10	06506	132	T	58.47	10544	99	SP	285.70	10753	99	C	137.82
1503	92	SP	18.92	4418	120	T	26.77	06510	132	T	95.13	10552	99	W	59.67	10754	99	D	311.85
1504	92	SP	23.18	4419	120	T	14.70	06610	132	T	106.75	10553	99	W	108.42	10762	99	W	96.82
1505	92	SP	23.15	4420	120	T	34.85	06700	133	T	151.38	10554	99	SP	338.60	10763	99	W	140.70
1506	92	SP	26.75	4421	120	T	34.20	06854	134	T	3.72	10562	99	SP	61.92	10764	99	W	408.58
1512	92	SP	16.85	4422	120	T	34.20	06906	132	T	76.52	10563	99	SP	114.18	10772	99	W	99.73
1513	92	SP	20.55	4423	120	T	57.80	06910	132	T	124.13	10564	99	SP	276.03	10773	99	W	150.85
1514	92	SP	20.55	4424	120	T	19.85	09800	133	T	74.47	10572	99	SP	63.75	10774	99	W	477.58
1515	92	SP	23.15	4425	120	T	35.05	10010	117	T	47.03	10573	99	SP	116.60	10782	99	W	111.52
1516	92	SP	26.75	4426	120	T	25.52	10011	117	T	17.43	10574	99	SP	364.27	10783	99	W	167.22
1602	92	SP	29.82	4427	119	T	17.05	10306	132	T	69.48	10603	99	SP	91.07	15010	111	SP	42.14
1603	92	SP	32.58	4428	119	T	12.80	10403	99	W	60.12	10604	99	SP	319.58	15011	111	SP	214.85
1614	92	SP	34.60	4429	119	T	12.80	10404	99	SP	170.60	10605	99	SP	68.30	15012	111	SP	42.14
1615	92	SP	29.82	4430	119	T	12.80	10405	99	W	46.67	10612	99	W	70.40	15013	111	SP	214.85
1616	92	SP	32.55	4431	119	T	31.08	10408	48	C	12.73	10613	99	W	95.92	15015	111	SP	29.41
1617	92	SP	24.07	4432	119	T	50.00	10412	99	B	48.18	10614	99	W	208.25	15016	111	SP	150.04
1618	92	SP	25.15	4433	119	T	42.92	10413	99	B	65.15	10622	99	W	73.07	15018	111	SP	32.09
1619	92	W	26.75	4434	119	T	110.20	10414	99	SP	183.07	10623	99	W	104.08	15019	111	SP	173.21
1620	92	W	29.82	4437	123	T	133.30	10422	99	W	49.40	10624	99	W	254.25	15020	111	SP	29.26
1621	92	W	29.82	4438	123	T	87.42	10423	99	W	65.93	10632	99	W	78.45	15021	111	SP	149.30
1622	92	W	26.75	6140	117	T	152.38	10424	99	SP	253.63	10633	99	W	105.55	15022	111	SP	56.85
1627	92	D	28.45	7023	117	T	49.63	10432	99	W	49.73	10634	99	SP	255.88	15023	111	SP	289.95
1628	92	C	29.82	8286	117	T	106.28	10433	99	W	70.18	10642	99	SP	81.08	15024	111	SP	56.85
1702	92	SP	20.55	8292	117	T	73.67	10434	99	SP	213.63	10643	99	SP	112.73	15025	108	SP	27.91
1703	92	SP	23.18	8370	117	T	135.38	10442	99	B	51.67	10644	99	SP	261.37	15026	108	SP	142.39
1704	92	SP	24.55	00050	133	T	78.48	10443	99	B	70.92	10652	99	W	82.55	15027	111	SP	289.95
1705	92	SP	26.75	00069	133	T	45.58	10444	99	SP	207.97	10653	99	W	122.37	15028	111	SP	29.26
1706	92	D	29.82	00070	113	T	61.82	10452	99	W	52.03	10654	99	SP	298.33	15029	111	SP	173.21
1714	92	SP	23.15	00080	113	T	48.53	10453	99	W	72.85	10662	99	SP	84.25	15030	108	SP	18.34
1716	92	SP	24.52	00083	134	T	24.20	10454	99	SP	239.08	10663	99	SP	130.60	15031	108	SP	94.05
1718	92	SP	26.75	00094	133	T	9.58	10462	99	SP	54.25	10664	99	SP	402.60	15032	111	SP	32.09
1724	92	SP	24.08	00095	133	T	53.38	10463	99	SP	75.58	10672	99	SP	88.15	15033	111	SP	173.21
1726	92	SP	25.27	00096	133	T	8.52	10464	99	SP	231.25	10673	99	SP	133.48	15035	109	SP	9.61
1728	92	SP	26.75	00098	133	T	38.10	10472	99	SP	55.15	10674	99	SP	365.85	15036	109	SP	196.29

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PRICING SUBJECT TO CHANGE - FOR CURRENT PRICING CALL 800-525-6505

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NUMERICAL INDEX & RETAIL PRICING (U.S. DOLLARS)

Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP
15040	111	SP	30.96	15445	111	SP	58.85	23123	50	X	33.82	23232	51	C	31.67	25435	55	C	58.42
15041	111	SP	342.56	15450	111	SP	40.41	23124	50	X	33.82	23233	51	C	31.67	25435	55	C	58.42
15042	111	SP	41.21	15455	111	SP	37.44	23125	50	X	33.82	23234	51	C	31.67	25460	55	SP	918.73
15043	111	SP	465.31	15460	111	SP	32.09	23126	50	X	33.82	23235	51	C	37.73	25470	55	SP	880.27
15045	111	SP	25.70	15465	111	SP	26.71	23127	50	X	33.82	23236	51	C	37.73	25480	55	SP	880.27
15046	111	SP	280.81	15474	111	SP	33.15	23128	50	X	33.82	23237	51	C	37.73	25490	55	SP	984.70
15050	111	SP	20.30	15475	111	SP	33.15	23129	50	X	33.82	23238	51	C	37.73	25501	108	SP	112.66
15051	111	SP	210.86	15476	111	SP	43.86	23130	50	SP	304.18	23239	51	C	34.22	25505	108	SP	31.34
15055	111	SP	18.36	15477	111	SP	43.86	23131	50	C	33.82	23268	51	C	46.92	25508	108	SP	69.14
15056	111	SP	188.10	15478	111	SP	59.94	23132	50	A	33.82	23269	51	C	46.92	25515	109	SP	10.70
15060	111	SP	17.61	15479	111	SP	61.00	23133	50	A	33.82	23410	52	C	186.93	25530	108	SP	123.11
15061	111	SP	179.69	15480	111	SP	104.90	23134	50	A	33.82	23510	52	C	157.78	25540	55	SP	TBA
15065	111	SP	17.00	15481	111	SP	105.99	23135	50	A	33.82	23520	52	B	157.78	25601	108	SP	48.15
15066	111	SP	175.36	15482	111	SP	144.54	23136	50	A	33.82	23530	52	C	157.78	25602	108	SP	26.71
15080	111	SP	66.71	15483	111	SP	144.54	23137	50	A	33.82	23540	52	C	157.78	25603	108	SP	48.06
15081	111	SP	392.16	15510	109	SP	19.24	23138	50	B	33.82	23580	117	T	87.82	25604	108	SP	26.71
15082	111	SP	66.71	15515	109	SP	103.81	23139	50	C	33.82	23600	52	C	40.52	25605	108	SP	26.71
15083	111	SP	392.16	15810	109	SP	337.14	23160	50	X	138.37	23710	52	W	196.52	25606	108	SP	26.71
15085	111	SP	66.71	15815	109	SP	645.69	23161	50	X	17.30	23720	52	W	196.52	25608	108	SP	15.69
15086	111	SP	392.16	15835	109	SP	32.09	23162	50	X	17.30	23730	52	W	196.52	25609	108	SP	96.34
15087	111	SP	66.71	15840	109	SP	42.79	23163	50	X	17.30	23755	52	B	54.37	25613	108	SP	48.15
15088	111	SP	392.16	15850	109	SP	74.91	23164	50	X	17.30	23765	52	B	54.37	25615	109	SP	32.05
15090	111	SP	60.00	15860	109	SP	107.05	23165	50	X	17.30	23780	117	T	103.77	25701	109	SP	37.30
15091	111	SP	351.15	15865	109	SP	117.76	23166	50	X	17.30	23800	53	C	187.22	25702	109	SP	39.25
15092	111	SP	59.95	15870	109	SP	192.74	23167	50	X	17.30	23810	53	C	187.22	25710	107	SP	280.21
15093	111	SP	351.15	15875	109	SP	235.56	23168	50	X	17.30	23820	53	C	187.22	25712	109	SP	74.91
15095	111	SP	60.00	15880	109	SP	289.11	23180	51	SP	178.93	23830	53	C	187.22	25713	109	SP	255.96
15096	111	SP	351.15	15885	109	SP	374.80	23181	51	A	19.88	23850	53	C	TBA	25715	107	B	314.70
15097	111	SP	60.00	15890	109	SP	460.49	23182	51	A	19.88	23853	53	C	TBA	25740	110	SP	2,348.35
15098	111	SP	351.15	21020	92	SP	17.33	23183	51	A	19.88	23856	53	C	TBA	25742	110	SP	1,111.59
15100	111	SP	51.90	21030	59	SP	51.93	23184	51	A	19.88	23940	53	W	196.82	25744	110	SP	1,248.94
15101	111	SP	302.50	21080	48	SP	24.97	23185	51	A	19.88	23960	53	W	196.82	25746	110	SP	916.44
15105	111	SP	51.95	23002	49	SP	26.00	23186	51	A	19.88	24120	54	C	46.75	25750	110	SP	2,028.11
15106	111	SP	302.50	23004	49	W	26.52	23187	51	A	19.88	24130	54	A	46.75	25760	110	SP	2,219.64
15110	111	SP	52.30	23006	49	W	26.52	23188	51	A	19.88	24160	54	C	60.48	25762	110	SP	1,185.55
15111	111	SP	307.40	23008	49	D	26.52	23189	51	A	19.88	24180	54	A	46.75	25764	110	SP	1,041.94
15115	111	SP	52.26	23010	49	W	26.52	23190	51	A	19.88	24220	54	B	58.63	25780	110	SP	2,038.94
15116	111	SP	307.19	23012	49	D	26.52	23191	51	A	21.82	24230	54	C	66.45	25784	110	SP	859.24
15120	111	SP	42.16	23100	49	SP	310.33	23192	51	A	21.82	24640	92	SP	20.97	25790	110	SP	2,321.66
15121	111	SP	246.36	23101	49	B	34.48	23193	51	B	21.82	24650	92	W	20.97	25792	110	SP	1,188.95
15125	111	SP	42.19	23102	49	A	34.48	23194	51	A	21.82	24690	92	W	20.97	25794	110	SP	1,148.94
15126	111	SP	246.44	23103	49	A	34.48	23199	51	C	19.88	24700	92	W	20.97	25824	110	SP	1,349.49
15130	111	SP	60.36	23104	49	A	34.48	23211	51	C	37.73	24701	92	W	20.97	25830	110	SP	2,263.59
15131	111	SP	356.24	23105	49	B	34.48	23212	51	B	37.73	24740	92	W	20.97	25832	110	SP	1,171.55
15140	111	SP	56.61	23106	49	A	34.48	23221	51	B	31.67	24750	92	W	20.97	25834	110	SP	1,101.10
15141	111	SP	333.61	23107	49	B	34.48	23222	51	B	31.67	24751	92	W	20.97	25850	110	SP	2,952.60
15150	111	SP	56.51	23108	49	A	34.48	23223	51	B	31.67	24790	92	W	20.97	25852	110	SP	1,706.40
15151	111	SP	333.14	23109	49	A	34.48	23224	51	A	31.67	24800	92	C	20.97	25854	110	SP	1,268.19
15160	111	SP	56.91	23111	49	C	34.48	23225	51	B	34.22	24850	92	C	20.97	25860	110	SP	2,432.91
15161	111	SP	335.36	23112	49	A	34.48	23226	51	B	34.22	24900	92	C	20.97	25862	110	SP	1,349.05
15170	111	SP	45.51	23113	49	B	34.48	23227	51	B	34.22	24950	92	C	20.97	25864	110	SP	1,092.41
15171	111	SP	266.61	23120	50	X	304.18	23228	51	B	34.22	24960	92	SP	20.97	25870	110	SP	1,814.64
15440	111	SP	96.34	23121	50	X	33.82	23229	51	C	31.67	24970	92	SP	20.97	25872	110	SP	845.70
15442	111	SP	117.76	23122	50	X	33.82	23231	51	C	31.67	25430	55	C	58.42	25874	110	SP	978.21

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Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP
25884	110	SP	1,165.54	35030	97	W	43.73	37103	56	D	22.30	47173	56	W	35.67	67135	61	A	157.73
28840	56	SP	138.55	35031	97	W	44.92	37104	56	W	16.03	47180	57	W	13.42	67145	61	A	157.73
29503	123	T	29.62	35032	97	W	49.08	37105	56	D	17.85	47181	57	D	15.07	67155	61	W	157.73
29504	123	T	25.97	35040	97	B	42.40	37106	56	C	20.08	47182	57	C	18.48	67165	61	D	157.73
29505	123	T	22.43	35041	97	A	44.92	37107	56	B	24.27	47183	57	C	26.30	67170	61	C	157.73
32012	135	W	283.25	35042	97	A	49.00	37150	56	W	162.63	47184	57	W	27.55	67180	61	D	157.73
32111	100	T	133.25	35050	98	W	40.48	37980	118	SP	97.30	47240	57	W	29.97	67190	61	C	157.73
32115	100	SP	76.80	35051	98	W	42.93	37985	118	SP	83.30	47241	57	W	31.88	67195	61	SP	157.73
32120	101	SP	69.15	35052	98	W	45.27	37990	118	T	36.05	47242	57	W	34.18	67210	61	W	331.48
32121	101	SP	69.15	35060	98	A	14.25	38354	123	T	134.57	47700	56	SP	375.12	67220	61	W	157.73
32122	101	SP	69.15	35061	98	A	15.93	38355	123	T	116.63	47762	57	W	19.25	67230	62	A	153.67
32123	101	SP	69.15	35062	98	A	17.33	38620	118	T	42.00	47763	57	D	19.27	67245	62	W	59.00
32124	101	SP	69.15	35070	98	W	48.08	40008	120	T	6.95	47764	57	W	21.52	67265	62	W	216.82
32125	101	SP	69.15	35071	98	W	50.92	40010	120	T	31.43	47765	57	W	14.00	67270	62	W	170.12
32126	101	SP	69.15	35072	98	W	53.82	40020	120	T	31.43	47766	57	D	16.00	67285	62	W	183.27
32127	101	SP	69.15	35075	56	W	29.30	40030	120	T	31.43	47767	57	D	18.48	67290	62	A	171.07
32128	101	SP	69.15	35076	56	C	29.30	40045	120	T	41.00	47768	57	C	25.75	67300	63	SP	21.63
33001	135	D	26.22	35080	56	W	19.15	40065	120	T	48.25	47769	57	W	36.08	67320	63	C	169.55
33020	135	C	32.18	35081	56	W	19.15	40090	120	T	30.62	47775	57	D	16.40	67330	63	B	169.55
33053	135	SP	16.40	35082	56	W	19.15	40093	120	T	15.47	47776	57	D	21.33	67340	63	C	169.55
33054	135	SP	19.48	36000	97	W	797.70	40095	120	T	65.87	47777	57	C	31.15	67350	63	C	169.55
33060	135	SP	7.12	36001	98	W	74.15	40250	118	T	68.28	47778	57	W	43.70	67360	63	W	169.55
33105	103	T	111.70	36002	98	W	78.00	40260	118	T	249.92	55600	121	T	152.80	67370	63	D	169.55
33130	102	SP	49.95	36003	98	W	82.18	40270	119	SP	28.08	55605	121	T	52.58	67395	63	C	162.88
33131	102	SP	49.95	36010	98	W	52.15	40310	119	T	54.67	55607	121	T	52.58	67410	63	SP	169.85
33132	102	SP	56.75	36011	98	W	53.75	40340	119	X	23.72	55609	121	T	52.58	67420	64	C	181.78
33133	102	SP	63.08	36012	98	W	56.70	40702	132	T	17.33	55700	121	T	280.85	67430	64	C	173.12
33134	102	SP	78.58	36020	98	D	51.78	40706	132	T	51.05	55705	121	T	76.90	67440	64	W	181.78
33140	102	SP	112.03	36021	98	D	54.75	40710	132	T	82.58	55710	121	T	170.37	67450	64	SP	151.37
33141	102	SP	114.77	36022	98	D	72.82	40710S	132	T	104.92	55720	121	T	38.10	67451	122	SP	30.63
33142	102	SP	120.13	36031	98	W	45.45	40900	119	T	29.03	62010	57	SP	256.30	67465	64	C	153.82
33143	102	SP	117.48	36032	98	W	54.48	40910	119	T	216.37	63020	57	D	177.55	67470	64	SP	278.30
33144	102	SP	120.13	36040	98	W	36.30	40915	119	T	TBA	63030	57	D	177.55	67485	65	SP	153.75
33145	102	SP	114.77	36041	98	W	39.37	40920	119	T	204.47	64225	121	T	196.72	67490	65	D	168.88
33146	102	SP	120.13	36042	98	W	43.12	40923	119	T	33.52	64250	134	SP	499.87	67510	65	SP	106.07
33147	102	SP	114.77	36050	98	W	28.25	40925	119	T	33.52	65100	121	T	435.23	67515	65	SP	106.07
33148	102	SP	128.28	36051	98	W	30.42	40927	119	T	33.52	66025	121	T	82.82	67525	65	D	157.73
33149	102	SP	128.28	36052	98	W	32.63	40929	119	T	132.38	66040	58	C	311.82	67530	65	D	157.73
33171	102	T	9.47	36060	98	W	50.33	40930	120	X	101.20	66045	58	C	311.82	67540	66	SP	441.63
33172	102	T	9.47	36061	98	W	53.03	40940	120	T	1249.97	66050	58	C	65.18	67545	66	SP	160.45
33174	134	T	83.30	36062	98	W	58.73	41000	120	T	167.70	67010	58	W	113.00	67550	66	SP	160.45
35001	97	B	31.03	36070	98	W	43.92	41030	120	T	69.08	67015	58	SP	117.85	67555	66	SP	128.33
35002	97	B	32.15	36071	98	W	28.15	41110	120	T	360.57	67020	59	C	115.58	67570	66	SP	171.07
35003	97	B	37.70	36072	98	W	52.73	44339	119	T	TBA	67025	59	C	115.58	67580	66	B	153.60
35004	97	C	50.45	36080	99	W	65.15	45938	121	T	50.52	67030	59	A	112.25	67590	66	C	162.78
35005	97	D	58.25	36085	99	D	65.15	45940	121	T	TBA	67065	59	B	185.22	67610	67	W	680.67
35006	97	W	76.97	36087	99	C	46.93	47142	57	W	14.18	67070	59	W	120.67	67620	67	W	767.67
35007	97	W	77.97	36090	98	W	42.25	47143	57	W	16.82	67075	60	W	71.33	67630	67	SP	697.88
35010	97	C	15.52	36091	98	W	44.67	47150	57	D	14.25	67080	60	C	113.97	67640	67	C	288.63
35011	97	C	16.58	36092	98	W	49.82	47151	57	C	15.25	67090	60	A	162.88	67645	67	SP	274.93
35012	97	C	18.48	37000	118	T	25.30	47152	57	B	17.37	67095	60	C	162.88	67655	67	SP	TBA
35020	97	W	15.92	37100	56	W	15.82	47153	57	B	23.15	67110	60	C	146.25	67647	122	T	TBA
35021	97	W	18.55	37101	56	W	17.85	47171	56	W	32.73	67115	61	C	169.55	67720	68	C	238.82
35022	97	W	18.07	37102	56	D	22.30	47172	56	W	32.73	67125	61	A	157.73	67740	68	C	122.25

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Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP
67765	68	C	277.85	71421	69	X	3.03	72345	74	SP	299.85	77928	130	T	52.85	84399	80	W	148.12
67775	68	C	277.85	71422	69	X	3.03	72350	74	SP	79.73	77938	130	T	77.58	84499	80	W	155.78
67776	68	C	277.85	71423	69	X	3.03	72355	74	SP	27.12	78090	125	T	156.77	84599	80	W	163.40
68670	122	T	58.82	71424	69	X	3.03	72509	123	T	301.25	79230	125	T	14.28	84690	80	D	20.52
68750	122	T	42.58	71425	69	X	3.03	73010	123	T	177.48	79240	125	T	14.28	84695	80	D	20.52
68780	122	T	42.58	71426	69	X	3.03	73119	123	T	137.82	79500	125	T	188.05	84699	80	W	171.58
68880	122	T	79.28	71427	69	X	3.03	73400	74	D	44.60	80199	75	SP	84.33	84799	80	W	185.27
68890	122	T	87.30	71428	69	X	3.03	73415	74	W	19.25	80206	132	T	61.37	84899	80	W	200.58
69100	68	W	399.52	71500	69	W	255.70	73600	74	B	68.58	80210	132	T	101.53	85125	127	T	174.05
69200	68	W	399.52	71520	69	A	13.73	73620	74	B	86.60	80299	75	SP	88.93	85126	127	T	34.58
69250	68	W	265.63	71521	69	A	13.73	74400	123	T	42.92	80399	75	SP	96.40	85127	127	T	48.82
69300	68	W	399.52	71522	69	C	13.73	74500	123	T	42.92	80499	75	SP	104.25	85128	127	T	92.82
69330	122	T	26.57	71523	69	C	13.73	74910	123	T	97.10	80599	75	SP	104.25	85130	127	T	88.25
69400	68	W	399.52	71530	69	A	13.73	74914	123	T	34.63	80699	75	SP	117.88	85137	127	T	48.82
69450	69	W	320.52	71531	69	A	13.73	74915	123	T	34.63	80799	75	SP	117.52	85560	3	SP	24.95
69460	69	W	322.97	71532	69	C	13.73	75200	75	A	15.82	80899	75	SP	119.08	85600	80	SP	72.78
70050	124	SP	8.13	71533	69	C	13.73	75400	75	A	15.82	80999	75	SP	127.40	85690	80	W	21.38
70210	132	T	91.80	71700	70	SP	274.55	75500	124	T	269.62	81099	75	SP	134.92	85695	80	W	21.38
70606	132	T	64.18	71720	70	A	13.73	75520	124	T	63.52	81133	126	T	18.72	85774	127	T	12.70
71000	69	C	153.78	71721	70	A	13.73	75525	124	T	63.52	81134	126	T	33.03	85790	127	T	49.25
71020	69	C	12.82	71722	70	C	13.73	75530	124	T	63.52	81139	126	T	130.70	85796	127	T	95.53
71021	69	C	12.82	71723	70	C	13.73	75550	124	T	63.52	81240	76	W	41.60	86140	80	C	183.60
71022	69	C	12.82	71724	70	C	13.73	75555	124	T	63.52	81250	76	A	41.97	86180	81	C	91.70
71023	69	C	12.82	71725	70	C	13.73	75560	124	T	63.52	81260	76	A	41.97	86250	81	A	64.12
71024	69	C	12.82	71730	70	A	13.73	75580	103	T	125.00	81270	76	A	46.37	86255	81	SP	28.08
71025	69	C	12.82	71731	70	A	13.73	75585	103	T	125.00	81280	76	A	46.37	86320	81	C	15.00
71120	69	X	3.03	71732	70	C	13.73	75600	75	A	15.82	81290	76	A	46.37	86325	81	W	46.67
71121	69	X	3.03	71733	70	C	13.73	75800	75	A	15.82	81309	103	T	121.38	86330	82	W	90.00
71122	69	X	3.03	71909	122	T	196.28	75910	75	T	13.13	81310	77	A	50.33	86350	82	C	90.00
71123	69	X	3.03	71959	122	T	37.77	75915	75	T	35.30	81320	77	A	118.70	86360	82	C	18.85
71124	69	X	3.03	71969	122	T	37.77	75920	75	T	3.00	81340	77	A	191.55	86370	82	C	9.07
71125	69	X	3.03	71979	122	T	37.77	75970	75	C	37.78	81350	77	SP	449.97	86375	82	C	47.73
71126	69	X	3.03	71989	122	T	41.52	75980	125	T	91.03	81360	77	SP	449.97	86640	82	B	90.58
71127	69	X	3.03	71999	122	T	41.52	75990	125	T	91.03	82012		SP	TBA	86680	83	B	67.12
71128	69	X	3.03	72040	70	C	436.82	76610	124	T	64.97	82110	78	C	33.88	87130	127	T	60.20
71220	69	X	3.03	72045	70	SP	282.55	76615	124	T	64.97	82120	78	C	41.88	87135	127	T	74.53
71221	69	X	3.03	72050	70	B	167.60	76620	124	T	64.97	82370	78	W	47.97	87175	128	T	49.13
71222	69	X	3.03	72055	71	C	51.27	76625	124	T	64.97	82380	78	D	51.07	87225	83	W	48.52
71223	69	X	3.03	72060	71	SP	684.22	76630	124	T	64.97	82385	78	SP	51.07	87270	83	W	58.22
71224	69	X	3.03	72065	71	SP	767.67	76635	124	T	64.97	82390	78	W	51.07	87275	83	W	49.33
71225	69	X	3.03	72070	71	SP	767.67	76640	124	T	64.97	83115	79	D	130.73	87280	83	W	53.75
71226	69	X	3.03	72080	71	SP	767.67	76645	124	T	64.97	83125	103	T	91.47	87310	83	A	55.63
71227	69	X	3.03	72090	71	SP	767.67	76650	124	T	64.97	83160	79	D	42.08	87325	128	T	47.37
71228	69	X	3.03	72095	123	T	62.60	76655	124	T	64.97	83170	79	B	46.93	87330	83	B	114.63
71320	69	X	3.03	72110	71	SP	607.27	76660	124	T	64.97	83775	126	T	76.63	87350	84	D	45.67
71321	69	X	3.03	72125	72	SP	913.27	76665	124	T	64.97	83788	104	T	21.23	87365	84	SP	45.30
71322	69	X	3.03	72130	72	SP	787.42	76670	124	T	64.97	83790	79	C	40.82	87385	84	A	81.03
71323	69	X	3.03	72180	72	SP	605.92	76700	124	T	247.15	83795	126	T	187.70	87400	84	A	72.37
71324	69	X	3.03	72185	73	SP	169.55	76760	124	T	69.85	83820	126	T	58.20	87420	84	SP	30.15
71325	69	X	3.03	72190	72	SP	767.67	76800	124	T	472.43	83850	126	T	69.53	87500	85	A	79.48
71326	69	X	3.03	72260	73	B	171.60	76900	124	T	617.57	84110	79	SP	TBA	87520	85	B	58.42
71327	69	X	3.03	72265	73	B	48.82	77210	125	X	115.53	84199	80	W	126.00	87530	128	T	31.52
71328	69	X	3.03	72270	73	SP	733.18	77350	125	T	104.33	84238	104	W	12.63	87540	85	W	100.52
71420	69	X	3.03	72280	73	SP	167.60	77880	125	T	178.82	84299	80	W	137.67	87545	85	W	100.52

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NUMERICAL INDEX & RETAIL PRICING (U.S. DOLLARS)

Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	MSRP
87607	47	SP	0.65	91890	105	T	648.95	92656	113	SP	161.16	94347	90	SP	84.32	SPC Gear/Publications		
87609	47	SP	0.33	91891	106	T	338.20	92740	89	SP	193.45	94348	90	SP	35.33	20012	Publ.	5.00
87910	116	T	1,269.13	91896	106	T	153.82	92748	89	SP	214.95	94350	89	SP	263.29	20019	Publ.	2.50
88120	47	SP	29.97	91988	106	T	685.42	92749	89	SP	214.95	94360	89	SP	263.31	20106	101	19.95
88210	46	SP	805.30	91990	106	T	1,057.10	92750	89	SP	214.95	94368	89	SP	263.31	20107	136	19.95
88260	46	SP	688.60	92001	114	SP	18.71	92751	89	SP	214.95	94369	89	SP	263.31	20108	136	4.95
88270	46	SP	962.92	92002	115	SP	46.66	93000	87	SP	236.41	94370	89	SP	263.31	63000L	136	29.95
88325	128	T	48.37	92003	115	SP	46.66	93010	87	SP	236.41	94371	89	SP	263.31	63000M	136	29.95
88700	46	SP	348.48	92004	115	SP	36.71	93020	87	SP	171.91	94374	91	SP	590.12	63000XL	136	29.95
88830	128	T	113.52	92005	114	SP	15.41	93030	87	SP	171.91	94378	91	SP	617.55	63000XXL	136	29.95
88901	85	W	155.08	92006	115	SP	36.71	93040	87	SP	287.90	94390	90	SP	396.69	63004	136	13.95
88902	85	W	155.08	92007	115	SP	53.69	93050	87	SP	287.90	94391	90	SP	396.69	63007	137	13.95
88903	85	W	105.22	92008	115	SP	53.69	93080	87	SP	171.91	94392	90	SP	396.69	63009	137	13.95
88904	85	W	105.22	92009	115	SP	53.69	93090	87	SP	171.91	94393	90	SP	214.91	63010L	136	24.95
88905	85	W	91.08	92010	114	SP	1.00	93410	114	SP	62.50	94394	90	SP	214.91	63010M	136	24.95
88906	85	W	91.08	92011	114	SP	1.49	93420	114	SP	62.50	94450	91	SP	249.91	63010XL	136	24.95
88940	86	W	149.03	92012	114	SP	1.00	93430	114	SP	62.50	94451	91	SP	249.91	63010XXL	136	24.95
88950	86	W	293.45	92013	114	SP	15.41	93440	114	SP	62.50	94460	91	SP	249.91	66000L	137	65.95
89000	128	T	125.33	92014	114	SP	0.61	93450	114	SP	62.50	94461	91	SP	249.91	66000M	137	65.95
89105	128	T	37.48	92019	114	SP	1.00	93460	114	SP	62.50	95333	90	SP	95.20	66000XL	137	65.95
89106	128	T	30.38	92020	114	SP	58.86	93470	114	SP	62.50	95336	91	SP	590.12	66010L	137	65.95
89107	128	T	40.10	92021	114	SP	60.25	93480	114	SP	62.50	95338	90	SP	35.33	66010M	137	65.95
89108	128	T	48.30	92025	114	SP	18.71	94000	87	SP	250.75	95339	91	SP	16.79	66010XL	137	65.95
89199	86	W	143.52	92040	114	SP	12.24	94002	87	SP	28.59	97100	114	SP	26.25	66020L	137	24.95
89299	86	C	151.42	92042	113	SP	161.16	94003	87	SP	35.75	97650	129	T	76.72	66020M	137	24.95
89399	86	C	157.45	92043	113	SP	161.16	94004	87	SP	31.86	99361	130	T	126.72	66020S	137	24.95
89499	86	C	166.25	92044	113	SP	161.16	94006	87	SP	26.79	99374	130	T	116.58	66020XL	137	24.95
89599	86	D	172.85	92045	114	SP	16.44	94007	87	SP	29.91	99511	131	T	544.33	66065L	137	14.95
89635	86	D	192.48	92046	113	SP	161.16	94008	87	SP	28.59	99512	131	T	568.95	66065M	137	14.95
89675	86	W	115.55	92050	114	SP	15.51	94012	114	SP	26.79	99515	106	T	623.10	66065XL	137	14.95
89685	86	W	270.88	92052	113	SP	161.16	94013	114	SP	15.21	99516	131	T	134.47	66065XXL	137	14.95
89699	86	D	175.00	92053	113	SP	161.16	94014	114	SP	26.79	99517	106	T	852.52	66070L	137	65.95
89799	86	W	183.78	92054	113	SP	161.16	94016	87	SP	74.91	99548	131	T	474.37	66070M	137	65.95
89899	86	W	184.22	92055	114	SP	17.84	94017	87	SP	74.91	99684	130	T	1,312.77	66070XL	137	65.95
90000	114	T	111.21	92056	113	SP	161.16	94018	87	SP	74.91	99750	130	T	1,944.28	66070XXL	137	65.95
90100	114	T	111.21	92060	114	SP	18.71	94019	87	SP	74.19	99801	106	T	554.52	66075L	137	14.95
90203	132	T	40.43	92065	114	SP	19.61	94040	114	SP	60.01	99884	131	T	595.15	66075M	137	14.95
90310	132	T	96.90	92080	114	SP	18.71	94041	114	SP	62.54	99886	131	T	873.97	66075XL	137	14.95
91000	129	T	183.55	92090	114	SP	18.71	94100	114	SP	105.61	99918	130	T	117.87	66075XXL	137	14.95
91010	129	T	203.96	92100	114	SP	48.84	94302	88	SP	279.45	99961	130	T	40.77	66077L	137	14.95
91025	129	T	327.29	92142	113	SP	161.16	94303	88	SP	279.45	204508	123	T	71.67	66077M	137	14.95
91030	129	T	52.26	92242	113	SP	161.16	94304	89	SP	42.95	305227	123	T	51.72	66077XL	137	14.95
91040	104	T	798.95	92244	113	SP	161.16	94305	88	SP	279.45	305228	123	T	67.43	66077XXL	137	14.95
91088	130	T	316.08	92252	113	SP	161.16	94306	89	SP	42.95					67001	138	2.99
91100	129	T	61.75	92254	113	SP	161.16	94320	88	SP	250.75					67002	138	0.99
91800	104	T	3,570.13	92342	113	SP	161.16	94324	88	SP	279.45					67003	138	12.95
91841	104	T	974.82	92344	113	SP	161.16	94325	88	SP	279.45					67008	138	0.99
91844	105	T	125.58	92352	113	SP	161.16	94330	88	SP	279.45					82012	Publ.	TBA
91851	131	T	621.25	92354	113	SP	161.16	94331	88	SP	279.45					88033	138	11.17
91860	105	T	TBA	92542	113	SP	161.16	94332	88	SP	279.45					88035	138	30.00
91877	105	T	257.10	92546	113	SP	161.16	94340	88	SP	263.29					88036	138	16.76
91887	105	T	278.47	92552	113	SP	161.16	94342	88	SP	263.29					88037	138	16.76
91888	105	T	278.62	92556	113	SP	161.16	94343	88	SP	263.29							
91889	105	T	421.20	92646	113	SP	161.16	94344	89	SP	590.12							

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ALPHABETICAL INDEX

4Corners Height Gauge115	Coil Springs Stabilizers92	Forks - Tie Rod/Ball Joint/Pitman119	Mazda3 Rear Arm64	Slip Plates131
Adj Sleeve Wrenches123	Control Arm Bushing Service Set119	Freightliner Shims97,98	Mechanics' Gloves137	Slip Plates - Heavy Duty104,106
Adj Upper Arm Ball Joint Plates115	Cool Tool Fluid127	Front Axle Puller116	Mercedes Bushing Press Adapters125	Sockets - Deep, Thin Wall125
Adj Upper Control Arms114	Corvette Adj Upper Arms89	Front Hub Puller116	Mercedes Rear Bushings125	Spanner Wrench117
Adjustable Truck Sleeves54	Corvette Front Cam Kit79	Front Wheel Stands130	Mercedes Torque Stix124	Spherical Bearing Receivers111
Adjusting Sleeves-Adj. Upper Arms114	Corvette Repl Ball Joints87	Gauge for Run-Out Sets134	Mercedes Wheel Spreader130	Spherical Bearings111
Alignment Poster136	Corvette Toe Shims56	Glaves137	Mini Front Strut Mount67	Spherical Rod Ends111
Aluminum Rotary Files127	Counter Mats101,136	GM Align Cam Lock Plate81	Mini Rear Cam Arm67	Spindle Puller127
Angle Gauge103,121	Cross Shafts-Adj Upper Arms114	GM Align Pins81	Mini Van Cam/Cas Wrenches127	Sprinter Van Front Shims56
ASE Test Book13	Cutter - Rotor Bor122,127	GM Alignment Tool126	Mis-Alignment Inserts111	Square Rod End Receivers111
Audi Front Arm Set77	CV Boot Clamp Install Tool135	GM Bushing Press Adapters125	Mitsubishi Ball Joint61,63	Steel Rotary Files127
Audi Front Strut Mount77	CV Joint Fork118	GM Camber Bolt78	Mitsubishi Rear Cam Kit74	Steel Wheel Straight Tool103
Audi Rear Shims69	CV Replacement Boots135	GM Canyon Align Socket121	Mitsubishi Rear Shims74	Steering Boot135
Audi Shim Wrench128	Damping Struts Adj Tool123	GM Inner Tie Rod Crimper125	Mopar Muscle Car Front Arms91	Steering Knuckle Tool118
Axle Wedges75,99	Dana 60 Axle Cam/Cas Kit86	GM Mid-Sized Front Cams82	Multi-Lignment Washers109	Steering Wheel Holder130
Ball Caps137	Deburr Knife102	GM Mini Van Align Wrenches127	Mustang Front Align Kits74	Sterling Pin Joints53
Ball Joint Forks119	Dodge Bushing Press Sleeves121,122	GM Muscle Car Adj Upper Arms88	Mustang Front Strut Mount70,71	Stickers138
Ball Joint Press123	Dodge Caliper Rear Arm64	GM Muscle Car Ball Joints87	Mustang II Front Suspensions87	Strut - Damping Adj Tool123
Ball Joint Press - Performance119	Dodge Caster Cams78	GM Muscle Car Front Springs90	Mustang Panhard Bar70	Subaru Bushing Press Sleeves122
Ball Joint Press Adapter Set120	Dodge LH Toe Tool121	GM Muscle Car Lower Arms89,91	Mustang Rear Trail Arms74	Subaru Rear Cam/Toe Arm67
Ball Joint Separator Heavy Duty118	Dodge Muscle Car Front Arms91	GM Repl Front Cam Kit82	Navistar Shims97,98	Subaru/Saab EZ Arm67
Ball Joint Separator/4-Way118	Dodge Pin Joints53	GM Savana Van Align Tool121	Nissan 240SX Frt Cas Rod68	T-Shirts137
Ball Joint Sockets-Chrysler122	Dodge Press Sleeves117	GM Strut Set120	Nissan 240SX Rear Kits68	Tandem Align Shim Set97
Ball Joints115	Dodge SUV Camber Tool117	GM SUV Camber Tool126	Nissan 240SX Toe Link68	Tandem 'U' Bolt Extensions106
Banners138	Dodge Truck Ball Joints52,53	GM SUV Rear Cam Nut84	Nissan 350Z Rear Kits70,71	Tandem Align System - Alum106
BMW 5 Ser Rear Bushings73	Dodge Truck Cam/Cas Kit52	GM Truck Ball Joints52	Nissan 350Z/370Z Front Arm72	Tandem Align System - Steel106
BMW Front Strut Mount71,72	Dodge Truck Sleeve Puller125,128	GM Truck Cam/Cas Kit84	Nissan 370Z Rear Kits73	Tandem Axle Caliper106
BMW Rear Arm60,71	Dodge Truck Sleeves49,50	GM Truck Cam/Cas Kit84	Nissan Cam Kit79	Tandem Axle Caliper Steel105
Boot Clamps135	Dodge Truck Torque Stix124	GM Truck Front Bushings82	Nissan Rear EZ Arm58	Tandem Extender Bars105
Brake Drum Centering Sleeves101	Dodge/Ply Neon EZ Arm61	GM Van Align Cam Plate82	Nissan Truck Cam/Cas Kit85	Tandem Tracker Set - Alum105
Brake Drum Spacers102	Dodge/Ply Neon EZ Arm61	Heavy Duty Torque Ext.103	Nissan Truck Front Arms88	Tandem Alignment Plate57
Brake Lathe Inserts132	Duo Fit Cam/Cas Shims56	Hendrickson Shims99	Nissan Truck Front Shims56	Tie Rod - Inner Wrench Set128
Brake Lathe Knob134	Electric Drill Wire Brush102	Honda Bushing Extractor121	No Lip FasTrax Adapters129	Tie Rod 1/2" Drive Rem. Tool120
Brake Lathe Rotor Silencers133	EZ Cams76	Honda Bushing Press Adapters125	Olds Muscle Car Adj Upper Arms88	Tie Rod Adjusting Tool119
Brake Lathe Tool Holders133	EZ On Wheel Centering100-102	Honda Caster Spacers80	Olds Muscle Car Ball Joints87	Tie Rod Forks119
Brake Pedal Depressor130	EZ Shim75	Honda Civic Cam Bracket64	Olds Muscle Car Front Springs90	Tie Rod Puller - 5"117
Brake Rotor Grinding Pads134	EZ Shim Board46	Honda Clearance Arm Socket122	Olds Muscle Car Lower Arms89,91	Tie Rod Separator/4-Way118
Budd Nut Removal Tool103	EZ Shim Cutter75	Honda Repl Ball Joint60,62	Passenger Car Board46	Tie Rod Tool117
Buick Muscle Car Upper Arms88	EZ Shim Dial Chart75	Honda/Acura Ball Joint61,63	Patch, Sew On136	Tie Rod Tool Kit122
Buick Muscle Car Ball Joints87	EZ Shim Marker75	Honda/Acura EZ Arm59,60,62,63,64,65,66	Peterbilt Shims97,98	Tire Mating Square105
Buick Muscle Car Front Springs90	FasTrax Camber/Caster Gauge129	Honda/Acura Rear Clear Arms68	Pitman Arm Forks119	Toe Bar131
Buick Muscle Car Lower Arms89,91	FasTrax Heavy Duty104	Honda/Acura Toe Adj68,69	Pitman Arm Puller123	Toe Bar Scribe131
Bumper Stickers138	FasTrax Toe Adapter129	Hose Cutter117	Pitman Arm Separator116	Toe Bar Set - Heavy Duty106
Bushing Service Sets119,120	Firebird Cam Tool117	Hyundai/Kia Ball Joint61	Pivot Assemblies114	Toe Bar Set - Light Trucks106
Caliper Spacers75	Flange Type Axle Puller116	Hyundai/Kia EZ Arm63	Pontiac Muscle Car Adj Upper Arms112,113	Toe Measuring Gauges130
Cam Knock Out Punch123	Flared Hole Dies109	IHC Shims97	Pontiac Muscle Car Ball Joints87	Tool Board116
Camaro Cam Tool117	Ford 'F' Truck Coil Spring Bolt92	In 'tl Truck Sleeves49	Pontiac Muscle Car Front Springs90	Torque Extensions124
Camber Gauge - Magnetic126	Ford 'F' Trucks Caster Kit83	Infiniti G35 Rear Kits70,71	Pontiac Muscle Car Lower Arms89,91	Torque Stix124
Camber/Caster Gauge129,130	Ford Contour Front Kit86	Infiniti G35/ Front Arm72	Prevost Shims98	Toyota Cam Extractor119
Carbide Brake Lathe Inserts132	Ford Crown Vic Cam/Cas Wrench128	Infiniti G35/37 Rear Kits73	Pro Springs90	Toyota Caster Spacers80
Chart-Torque Stix124	Ford Crown Vic Front Kit84	Infiniti G35/G37 Front Arm72	Punch - 1-1/8"123	Toyota Celica Rear Arm64
Chevy Colorado Align Socket121	Ford Escape Rear Arm62	Inner Tie Rod Crimper125	Race Adj Upper Control Arms112,113	Toyota Monobeam Frt Kit85
Chevy Express Van Align Tool121	Ford Escort Toe Arm59	Inner Tie Rod Wrench Set128	Racing Ball Joints115	Toyota Truck Cam Bolts55
Chevy Muscle Car Adj Upper Arms88	Ford Expedition Front Kit82	Inventory Control Board47	Racing Ride Height Gauges115	Toyota Truck Front Arms55
Chevy Muscle Car Ball Joints87	Ford Expedition Rear Kit83	Jackets137	Radial Run-Out Gauge103,134	Truck Axle Shims75,80,86,99
Chevy Muscle Car Front Springs90	Ford Explorer Front Kit80,83,85	Jeep Ball Joints52,53	Radial Run-Out Gauge, Repl Gauge134	Truck Sleeve Board46
Chevy Muscle Car Lower Arms89,91	Ford Explorer Rear Kit81	Jeep Bushing Press Sleeves117	Rear Shim Bolts48	Truck Sleeve Socket128
Chrysler/Dodge Ball Joint61,63	Ford F150 Front Kit81,84	Jeep Caster Shims57	Rear Shims-Full Contact69	Truck Wheel Weight Tool103
Chrysler/Dodge EZ Arm58,59	Ford F150 Pinion Shims81	Jeep Compass,Patriot Arm64	Rear Wheel Stands131	Tubular Chassis Components111
Chrysler/Dodge Front Cam Kit79	Ford Focus Frt Strut Mount77	Jeep Repl Pinion Bolts78	Ride Height Gauges115	Turntables130
Chrysler/Dodge LH Rear Arm59,60	Ford Focus Rear Arm64	Jeep Sleeves49	Rim Guard-No Mar104	Turntables - Heavy Duty104
Chrysler/Dodge Muscle Car Ball87	Ford Focus Rear Cam Kit77	Jounce Spacers63	Rotary Files127	Uni-Fit CV Repl Boot135
Chrysler/Dodge Rear Cam Kit74	Ford Mini Van Align Wrenches127	JounceShock Boot Kits109	Rotor Bor Cutter122,127	Uni-Fit Steering Repl Boot135
Chrysler/Dodge Rear Shims74	Ford Radius Tensioners83	JounceShock Comp Systems110	Rotor, Brake Lathe Silencers133	Valve Stem Puller119
Chrysler Ball Joint Sockets122	Ford SLA Cam/Cas Tool117	JounceShock Rebuild Kit109	Round Rod End Receivers111	Vanhol Shims98
Chrysler Bushing Press Sleeves121	Ford Station Wagon Toe Tool129	JounceShock Valve Ext109	S-Cam Bushing Extractor105	Vinyl Stickers138
Chrysler LH Adj. Sleeves52	Ford Super Duty Tie Rod Adj125	JounceShocks107	Saturn Rear EZ Arm62	Volvo Rear Arm64
Chrysler LH Toe Tool121	Ford Super Duty Torque Stix124	JounceShocks Component Mounts108	Saturn Rear Toe Kit80	Volvo/White Shims97
Chrysler Mini Van Shims70	Ford Super Duty Toe Adj Tools122	Kenworth Shims97,98	Saturn Toe Tool125	VW Front Arm Set77
Chrysler SLA Cam/Cas Tool117	Ford T-Bird/Linc LS Frt Kit85	Kingpin Ext/Tandem105	Scion TC Rear Arm65	VW Front Strut Mount77
Civic Frt. Control Arm57	Ford Taurus Front Kit86	Knock Out Punch - Cam123	Scribe Assembly131	VW Rear Shims69
Coil Spring Compressors118	Ford Taurus Rear Toe Wrench128	Leaf Spring Silencer48	Service Sets119	VW Shim Wrench128
Coil Spring Spacers92,96	Ford Truck Cam Adj. Wrench126	Lexus GS Front Arms73	Shim Sets56	Wheel Centering External Slvs102
	Ford Truck Sleeve Puller125,128	Lexus IS Ball Joint56	Shirts - SPC136,137	Wheel Centering Tools100
	Ford Truck Sleeve Socket128	Lexus IS Rear Cam Bolt79	Silencer Bands, Brake Lathe133	Wheel Lock Removal Set120
	Ford Truck Sleeves49,50,51	Lexus IS/RS Rear Cam Kit46	SLA Shims57	Wheel Spreader130
	Ford Windstar Cam Kit86	Light Truck Board65	Slide Hammers/Pullers116	Wheel Stands131
	Ford/Merc Front Cam Kit79	LoCorners Height Gauge115		Wheel Weight Tool118
	Ford/Merc/Linc Ball Joint61			Wilson Shims98

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