



2018 - 2019 Total Wheel Alignment Sourcebook™



Specialty Products Company®



New Alignment Parts and Tools

Look for our "New" logo on over 30 new parts and tools throughout this Sourcebook for the latest in alignment technology including:

Accord Rear 5 Arm Set	85	Hyundai/Kia Rear Adj. Cams	118
BMW/MINI Rear Adj. Control Arm . . .	82	Master Ball Joint Separator Set . . .	160
BMW/MINI Rear Toe Adj. Tools . . .	170	Porsche Rear Arms/Toe Cam	106
Chrysler LX Camber/Caster Cam . . .	80	Punch Tools	168
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Colorado/Canyon Builder Ball Joint	155	Repl. Honda Lower Ball Joint	147
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Check out the newest in GM Muscle Car adjustable front upper control arms. Our patented design provides optimized geometry and high strength forged steel components along with $\pm 3^\circ$ camber and caster change with the best clearance of any adjustable arm. See page 132.



Meet Specialty Products' Alignment App - AlignGuide™

AlignGuide has manufacturers' alignment specifications as well as information on SPC parts. For more see page 179.

Isolated xAxis™ Sealed Flex Joint Bushings

- Booted to keep contaminants out
- Free pivoting to eliminate binding
- Bonded Rubber Sleeve

To minimize Noise, Vibration, and Harshness (NVH)

Designed, engineered, tested, and assembled in Colorado, SPC has stepped it up again.

- Strongest arm available
- Most articulation of any arm, period
- The only booted adjustable ball joint on the market
- Maintenance free pivoting bushing

Fully Forged Arm

- Maximum strength
- Maximum clearance
- +2 Degrees of Caster built-in

Premium Greaseable Ball Joint

- 80° of articulation – more than any other ball joint
- 25% larger stud cross section vs OE
- Greaseable with sealed boot

Constantly Improving

"Same old, same old" does not fly at SPC. We are constantly reviewing our product line for areas where we can make improvements. With both customer input and process development in R&D and manufacturing, Specialty Products identifies parts that can be redesigned to enhance performance.

For example, we have recently updated our popular adjustable front upper control arms. Our latest generation is a fully forged arm for maximum strength with isolated xAxis™ joints for extreme suspension

travel while keeping OE Noise, Vibration and Harshness Levels, with a patented premium greaseable ball joint assembly, and featuring the most articulation on the market.

SPC has lead the alignment industry for over 45 years. Our customers expect SPC to have the best parts and tools in the alignment market and we are committed to not only meet but exceed those expectations.



NEW

For more on our improved Toyota Arms see page 75.



PREVIOUS



SPC
PERFORMANCE

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Niwot Corporation,
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

The design, shape,
format and
arrangement of
this catalog constitutes
a trademark of
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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..... 173-174

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 175-178

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.

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Check out our AlignGuide™ app along with our gear - shirts, hats, gloves and more, along with banners and stickers for your shop or vehicle. Quickly find what you need in our numerical index.

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Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

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.

You can look up the part you need in two ways:

- 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 183. Look there first.



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 and applications.

AlignGuide™, by Specialty Products Company, provides manufacturers' alignment specifications for makes and models since 1985 as well as information on service parts that are available to correct any problems. See more on page 179.



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 7-64) 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



INTERESTED IN ALIGNMENT TRAINING? SPC HAS THE OPTIONS YOU NEED!

If you want to stay competitive in today's high-tech automotive aftermarket Specialty Products Company has the comprehensive Alignment Training Program for you. With Hands-On Alignment Training and Online Training we can help you stay competitive with relevant technical training.

UPDATED - SPC FACTORY TRAINING Basic Hands On Instructor Led Alignment Training

This 3-day Basic Alignment course is designed for entry level technicians that are new to vehicle alignment concepts and procedures. The course consists of presentations and demonstrations along with extensive hands-on training. Training consists of 40% classroom and 60% shop instruction.

Advanced Hands On Instructor Led Alignment Training

This 2-day Advanced Alignment course is designed for the technician that has been working with vehicle alignments for at least a year. The completion of the Basic Alignment Course is highly recommended. This course consists of presentations and demonstrations that include 60% classroom and 40% hands-on instruction.

SAVE - Combine both training options in one week!



ONLINE TRAINING

Specialty Products is the world leader in alignment products. We are passionate about suspensions and education. Using our online learning program, alignment techs and shop owners can further their knowledge of alignment theory and get the tools to put that knowledge into practical application. These training courses were developed by our ASE Master Certified technician, who also develops our in-house training. Get comprehensive training in the changing alignment field on your schedule. Available in an interactive online class format, this training will take you from basic alignment angle descriptions, to vehicle specific applications that you see weekly in your shop.

FIELD TRAINING

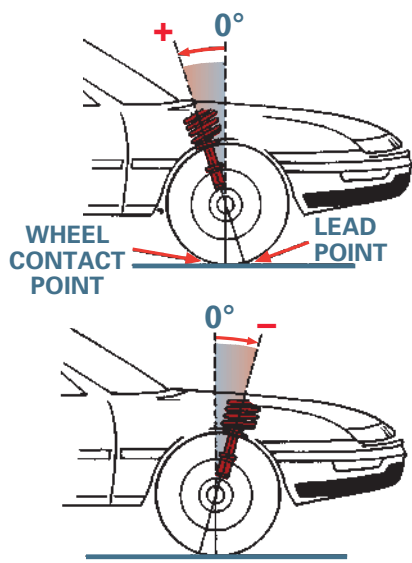
To stay competitive and profitable in the competitive alignment field you must recognize the need for on going training to enable you to diagnose and align vehicles correctly the first time! Technicians now require updated information on lowered and lifted, as well as vehicles equipped with SAS systems. Our field clinics cover it all in a fast-paced, fact-filled environment. Contact your local warehouse or distributor to request field training in your area.



Terms

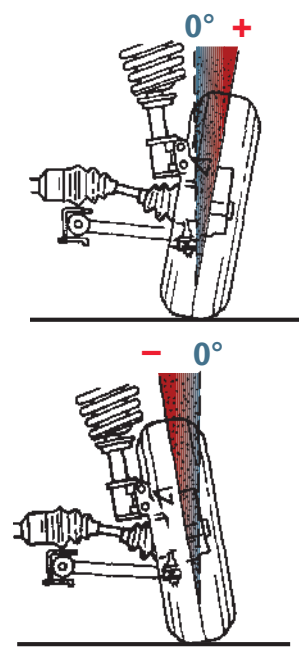
ALIGNMENT TERMS

Caster



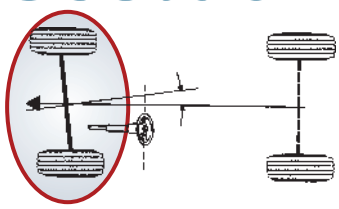
DEFINITION:	The forward or backward tilt of the upper ball joint, or top of the strut, relative to the lower ball joint.
PURPOSE:	Caster affects steering stability and steering wheel returnability.
METHODS OF CASTER ADJUSTMENT:	(1) Shims (2) Cams (3) Slotted Frame (4) Strut Rod (5) Strut Rotation (6) 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



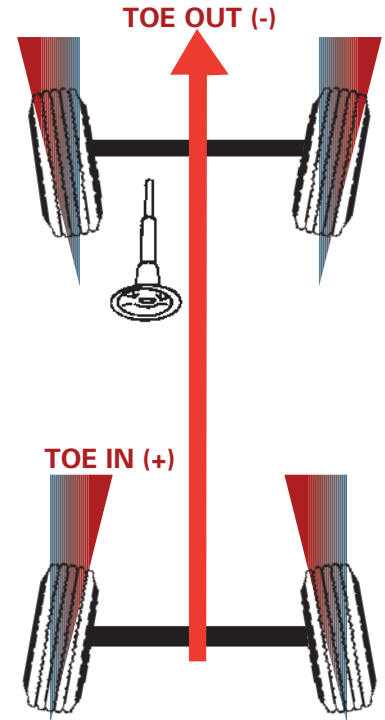
DEFINITION:	Inward or outward tilt of the top of the wheel.
PURPOSE:	Adjustment centers the vehicle's load on the tire, eliminating pull. Proper adjustment reduces camber tire wear and pulling.
METHODS OF CAMBER ADJUSTMENT:	(1) Shim (5) Wedges (9) Eccentrics (2) Cams (6) Ball Joint Rotation (Offset Bushings) (3) Slotted Frame (7) Offset Bearing Plates (10) Offset Ball Joints (4) Strut Rotation (8) Cam Bolts
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

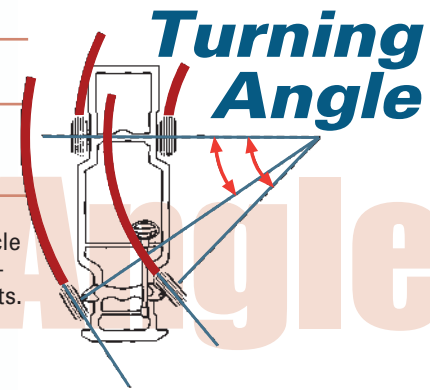


DEFINITION:	One wheel set back further than the other.
SETBACK IS CAUSED BY:	(1) Manufacturer (sometimes they build them this way). (2) Collision.
	Normally up to .5" Setback will cause no problems other than steering wheel misalignment when using some types of alignment equipment.

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 (5) 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

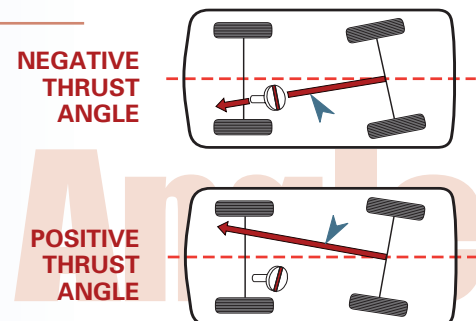


DEFINITION:	The relative position of the front wheels during a turn.
REFERRED TO AS:	(1) Toe out on turns (2) Turning radius
PURPOSE:	To prevent tire side slip. To prevent excessive tire wear. To prevent tire squeal on turns.
DIAGNOSE FOR BENT PARTS:	If readings differ more than 1-1/2° from specifications 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 79).

Thrust Angle



Terms

S.A.I.

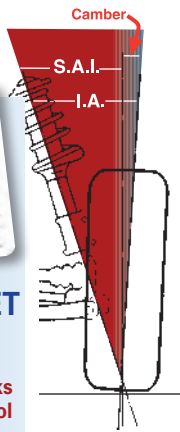
I.A.

Scrub Radius



S.A.I. MAGNET

This informative magnet trouble shooting guide sticks on the installer's tool box. Find out more on page 181.



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:

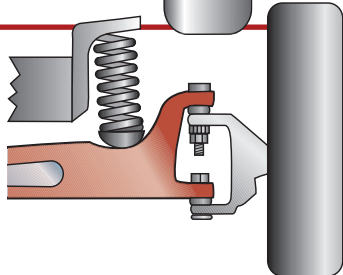
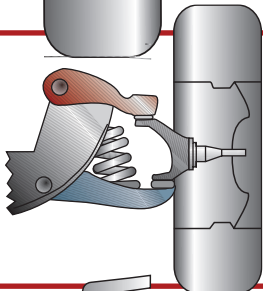
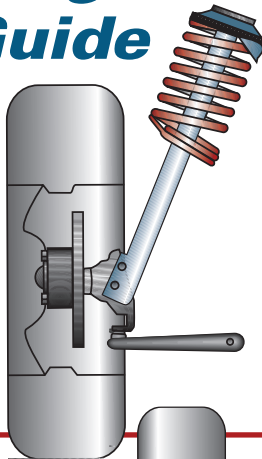
When compared at ground level, the distance between the S.A.I. line (drawn through the steering pivots) and the centerline of the tire tread is called the Scrub Radius. When this line is toward the inside of the tread, the vehicle is said to have Positive Scrub Radius. When the line is toward the outside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

NOTE: Negative Scrub Radius can be found on some 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			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
CL w/33.5mm Front BJ Dia.	01-04	FWD	67090/ 37995	OEMA	86/ 160	N/A	67125/40920 67320(8)/ 40920	83/ 161 86/ 161	
CL w/33.5mm Front BJ Dia.	97-99	FWD	67065/37995 67265(8)/ 37995	OEMA	81/ 160 84/ 160	84690, 84695	67145/40920 67340(8)/ 40920	83/ 161 86/ 161	
CL	97-99	FWD	67065/37995 67265(8)/ 37995	OEMA	81/ 160 84/ 160	84690, 84695	67125/40920 67320(8)/ 40920	83/ 161 86/ 161	
CSX	06-11	FWD	67465/ 75980, 72509 67466 67475	OEMA/ 87560	87/ 167,165 88/ 170 88	N/A	81260	110	
EL	03-05	FWD	67230 69300(22)/ 69330(14)	OEMA	84 95/ 164	N/A	81280	110	
EL	01-02	FWD	67230 69300(22)/ 69330(14)	OEMA	84 95/ 164	N/A	81260	110	
EL	97-00	FWD	67030 69100(22)	OEMA 69250 69450	95, WB 95	62010	62010 67135/40920 67330(8)/ 40920	WB, WB 83/ 161 86/ 161	
Integra 65100, rear trailing arm bushing extractor-pg.163	94-01	FWD	67030 69200(23)	OEMA 69250 69450	81 95, WB 95	N/A	67135/40920 67330(8)/ 40920	83/ 161 86/ 161	
Integra	90-93	FWD	67030 69200(23)	OEMA 69250 69450	81 95, WB 95	N/A	67135/40920 67330(8)/ 40920	83/ 161 86/ 161	
Integra	86-89	FWD	N/A	N/A		N/A	N/A		
ILX	13-18	FWD	67465/ 75980, 72509 67466 67475	OEMA/ 87560	87/ 167,165 88/ 170 88	N/A	81280	110	
Legend	91-96	FWD	N/A	OEMA		N/A	67135/40920 67330(8)/ 40920	83/ 161 86/ 161	
Legend	86-90	FWD	N/A	OEMA		OEMA	N/A		
MDX	14-18	FWD/AWD	23450/ 37995, 72509	OEMA	71 160,165	N/A	N/A		
MDX	07-13	AWD	67570/ 37995	OEMA	91/ 160	N/A	81295	110	
MDX	01-06	AWD	67290/ 37995	OEMA	85/ 160	N/A	81280	110	
NSX	91-06	RWD	OEMA	OEMA		OEMA	OEMA		
RDX	07-18	FWD/AWD	N/A	OEMA		N/A	81280	110	
RL	05-13	AWD	N/A	OEMA		N/A	OEMA		
RL	96-04	FWD	67090/ 37995	OEMA	82/ 160	N/A	67135/40920 67330(8)/ 40920	83/ 161 86/ 161	
RLX	14-18	FWD/AWD	N/A	OEMA		N/A	N/A		
RSX VIN 2C003183 or earlier	02-02	FWD	67230 69400(22)/ 69330(14)	OEMA	84 95/ 164	N/A	81260	110	
RSX VIN 2C003184 or later	02-06	FWD	67230 69400(22)/ 69330(14)	OEMA	84 95/ 164	N/A	81280	110	
SLX	96-00	RWD/4WD	N/A	N/A		47700(*)	47700(*)	78,78	
TL (Inc. SH-AWD) 67550, or, 67555, must be used with 67540	09-14	FWD/AWD	67540 67545(12)	OEMA 67540 67550 67555	91 91,91 91 91	N/A	67135/40920 67330(8)/ 40920	83/ 161 86/ 161	
TL (Inc. Type S)	04-08	FWD	67289/ 37995 67290/ 37995	OEMA 67289/ 37995 67291, 67292 67293, 67295	85/ 160 85,85/ 160 85 85	N/A	81280	110	
TL (Inc. Type S)	99-03	FWD	67090/ 37995	OEMA 67295	82/ 160 85	84690, 84695	67125/40920 67320(8)/ 40920	83/ 161 86/ 161	
TL 2.5 (Inc. Type S)	96-98	FWD	67065/37995 67265(8)/ 37995	OEMA	81/ 160 84/ 160	84690, 84695	67125/40920 67320(8)/ 40920	83/ 161 86/ 161	

Applications

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Buildups

Tools

Accessories

Brake and CV

Gear/Index

ACURA-cont.

ACURA-cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
TL 3.2 (Inc. Type S)	96-98	FWD	67065/37995 67265(8)/37995	OEMA	81/160 84/160		84690, 84695	67135/40920 67330(8)/40920	118,83/161 86/161
TLX 67550 or 67555 must be used with 67540	15-18	AWD	67540 67545(12)	OEMA	91 91,91 91 91		N/A	N/A	
TLX	15-18	FWD	N/A	OEMA			N/A	N/A	
TSX 67550 or 67555 must be used with 67540	09-14	FWD	67540 67545(12)	OEMA	91 91,91 91 91		N/A	67135/40920 67330(8)/40920	83/161 86/161
TSX	04-08	FWD	67289/37995 67290/37995	OEMA	85/160 85,85/160 85 85		N/A	81280	110
Vigor	92-94	FWD	67065/37995 67265(8)/37995	OEMA	81/160 84/160		84690, 84695	67165/40920 67360(8)/40920	118,83/161 86/161
ZDX	10-13	AWD	67570/37995	OEMA	91/160		N/A	81295	110

ALFA ROMEO

4C	14-18	RWD	N/A	OEMA			N/A	N/A	
Giulia	17-18	RWD/AWD	N/A	OEMA			N/A	N/A	
Stelvio	18-18	RWD/AWD	N/A	OEMA			N/A	N/A	

AUDI

100 Quattro	87-96	AWD	OEMA	OEMA			N/A	OEMA	
100	87-96	FWD	N/A	N/A			N/A	OEMA	
100 Quattro	70-77	FWD	75400(1)	75400(1)	109,109		N/A	OEMA	
200	87-96	AWD	OEMA	OEMA			N/A	OEMA	
200	87-96	FWD	N/A	N/A			N/A	OEMA	
4000 Quattro	80-87	AWD	OEMA	OEMA			N/A	OEMA	
4000 75200 must be used w/#10408	80-87	FWD	75200(1)+10408	75200(1)+10408	109,67		N/A	OEMA	
5000 Quattro	86-88	AWD	OEMA	OEMA			N/A	OEMA	
5000 75200 must be used w/#10408	80-86	FWD	75200(1)+10408	75200(1)+10408	109,67		N/A	OEMA	
80 Quattro	88-92	AWD	OEMA	OEMA			N/A	OEMA	
80	88-92	FWD	N/A	N/A			N/A	OEMA	
90 Quattro	88-95	AWD	OEMA	OEMA			N/A	OEMA	
90	88-95	FWD	N/A	N/A			N/A	OEMA	
Allroad	17-18	AWD	OEMA	OEMA			N/A	N/A	
Allroad	13-16	AWD	OEMA/87570	OEMA	171		81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112
Allroad	01-05	AWD	OEMA	OEMA			81353 81351, 81352 81358	81353 81351, 81352 81358	112,112 112,112 112,112
A3	06-18	FWD/AWD	OEMA 81335	OEMA	111		N/A	N/A	
A4	17-18	FWD/AWD	OEMA	OEMA			N/A	N/A	
A4	09-16	FWD/AWD	OEMA/87570	OEMA	171		81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112
A4	98-08	FWD/AWD	OEMA	OEMA			81353 81351, 81352 81358	81353 81351, 81352 81358	112,112 112,112 112,112
A4	96-97	FWD/AWD	N/A	OEMA			N/A	N/A	
A5	17-18	FWD/AWD	OEMA	OEMA			N/A	N/A	
A5	09-16	FWD/AWD	OEMA/87570	OEMA	171		81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112
A5	07-08	FWD/AWD	OEMA	OEMA			81353 81351, 81352 81358	81353 81351, 81352 81358	112,112 112,112 112,112

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A6	12-18	FWD/AWD	OEMA/87570	OEMA	171		81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112
A6	05-11	FWD/AWD	OEMA	OEMA			81373 81371, 81372 81378	81373 81371, 81372 81378	112,112 112,112 112,112
A6	98-04	FWD/AWD	N/A	N/A			81353 81351, 81352 81358	81353 81351, 81352 81358	112,112 112,112 112,112
A6 Quattro	95-97	AWD	OEMA	OEMA			N/A	N/A	
A6	95-97	FWD	N/A	N/A			N/A	N/A	
A7	12-18	FWD/AWD	OEMA/87570	OEMA	171		81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112
A8	11-18	FWD/AWD	OEMA/87570	OEMA	171		N/A	N/A	
A8	04-10	FWD/AWD	OEMA	OEMA			81373 81371, 81372 81378	81373 81371, 81372 81378	112,112 112,112 112,112
A8	96-03	FWD/AWD	OEMA	OEMA			N/A	N/A	
Cabriolet	94-98	FWD	N/A	N/A			N/A	OEMA 81260	110
Fox	75-79	FWD	N/A	N/A			N/A	OEMA	
Quattro	82-86	AWD	OEMA	OEMA			N/A	OEMA	
Q3	15-18	FWD/AWD	OEMA	OEMA			N/A	N/A	
Q5	18-18	FWD/AWD	OEMA	OEMA			N/A	N/A	
Q5	09-17	FWD/AWD	OEMA	OEMA			81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112
Q7	07-18	AWD	OEMA	OEMA			N/A	N/A	
RS3	17-18	AWD	OEMA 81335	OEMA	111		N/A	N/A	
RS4	07-08	AWD	OEMA	OEMA			81353 81351, 81352 81358	81353 81351, 81352 81358	112,112 112,112 112,112
RS5	17-18	AWD	OEMA	OEMA			N/A	N/A	
RS5	13-16	AWD	OEMA	OEMA			81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112
RS6	03-03	AWD	N/A	N/A			81353 81351, 81352 81358	81353 81351, 81352 81358	112,112 112,112 112,112
RS7	14-18	AWD	OEMA	OEMA			81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112
SQ5	18-18	AWD	OEMA	OEMA			N/A	N/A	
SQ5	13-17	AWD	OEMA	OEMA			81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112
S3	15-18	AWD	OEMA 81335	OEMA	111		N/A	N/A	
S4	17-18	AWD	OEMA	OEMA			N/A	N/A	
S4	09-16	AWD	OEMA/87570	OEMA	171		81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112
S4	98-08	AWD	OEMA	OEMA			81353 81351, 81352 81358	81353 81351, 81352 81358	112,112 112,112 112,112

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S5	17-18	AWD	OEMA	OEMA		N/A	N/A		
S5	09-16	AWD	OEMA	OEMA		81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112	
S5	07-08	AWD	OEMA	OEMA		81353 81351, 81352 81358	81353 81351, 81352 81358	112,112 112,112 112,112	
S6	13-18	AWD	OEMA/ 87570	OEMA	171	81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112	
S6	07-11	AWD	OEMA	OEMA		81373 81371, 81372 81378	81373 81371, 81372 81378	112,112 112,112 112,112	
S6	01-02	AWD	N/A	N/A		81353 81351, 81352 81358	81353 81351, 81352 81358	112,112 112,112 112,112	
S7	12-18	FWD/AWD	OEMA	OEMA		81363 81361, 81362 81368	81363 81361, 81362 81368	112,112 112,112 112,112	
S8	11-18	AWD	OEMA/ 87570	OEMA	171	N/A	N/A		
S8	04-10	AWD	OEMA	OEMA		81373 81371, 81372 81378	81373 81371, 81372 81378	112,112 112,112 112,112	
S8	96-03	AWD	OEMA	OEMA		N/A	N/A		
TT	08-18	FWD/AWD	OEMA 81335	OEMA	111	N/A	N/A		
TT Quattro	00-06	AWD	N/A	OEMA		81340	81340	112,112	
TT	00-06	FWD	71500(*1)/ 87530	71500(*1)/ 87530	96/ 170	81340	81340	112,112	
BENTLEY									
Continental 21040, Repl. upper arm pinch	04-12	AWD bolt-pg. 148	OEMA	OEMA		81373 81371, 81372 81378	81373 81371, 81372 81378	112,112 112,112 112,112	
BMW									
1 Series 1M Coupe	11-12	RWD	OEMA 67105	OEMA	82	72190/ 72095	OEMA 72190/ 72095	102/ 165 102/ 165	
1 Series (E81 E82 E87 E88)	08-13	AWD	OEMA 67105	OEMA	82	72070/ 72095	OEMA 72070/ 72095	100/ 165 100/ 165	
1 Series (E81 E82 E87 E88)	08-13	RWD	OEMA 67105	OEMA	82	72190/ 72095	OEMA 72190/ 72095	102/ 165 102/ 165	
2 Series (F22)	14-18	RWD/AWD	OEMA	OEMA		N/A	OEMA		
3 Series Sedan and Wagon (F30/F31)	12-18	RWD/AWD	OEMA	OEMA		N/A	N/A		
3 Series Cpe. and Conv. (E92 E93)	07-13	AWD	OEMA 67105	OEMA	82	72070/ 72095	OEMA 72070/ 72095	100/ 165 100/ 165	
3 Series Cpe. and Conv. (E92 E93)	07-13	RWD	OEMA 67105	OEMA	82	72190/ 72095	OEMA 72190/ 72095	102/ 165 102/ 165	
3 Series M3	07-13	RWD	OEMA 67105	OEMA	82	N/A	OEMA		
3 Series Sedan and Wagon (E90 E91)	06-12	AWD	OEMA 67105	OEMA	82	72070/ 72095	OEMA 72070/ 72095	100/ 165 100/ 165	
3 Series Sedan and Wagon (E90 E91)	06-12	RWD	OEMA 67105	OEMA	82	72190/ 72095	OEMA 72190/ 72095	102/ 165 102/ 165	
3 Series Cpe. and Conv. (E46)	05-06	RWD/AWD	OEMA 67110 72110	OEMA/ 87565	170 82 100	72090/ 72095	OEMA 72090/ 72095	100/ 165 100/ 165	
3 Series Sedan and Wagon (E46)	04-05	RWD/AWD	OEMA 67110 72110	OEMA/ 87565	170 82 100	72090/ 72095	OEMA 72090/ 72095	100/ 165 100/ 165	
3 Series Cpe. and Conv. (E46)	00-04	RWD/AWD	OEMA 67110 72110	OEMA/ 87565	170 82 100	72080/ 72095	OEMA 72080/ 72095	100/ 165 100/ 165	

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3 Series M3 (E46)	00-06	RWD	OEMA 67110 72110	OEMA/ 87565	170 82 100	N/A	OEMA		
3 Series Sedan and Wagon (E46)	99-03	RWD/AWD	OEMA 67110 72110	OEMA/ 87565	170 82 100	72080/ 72095	OEMA 72080/ 72095	100/ 165 100/ 165	
3 Series M Cpe./Rdstr. (E36)	96-02	RWD	N/A	N/A/ 87567	170	72070(10)/ 72095	72070(10)/ 72095	100/ 165 165	
3 Series 318, 323, 325, 328, M3 (E36)	92-99	RWD	OEMA 67110 72110	OEMA/ 87567	170 82 100	72070(10)/ 72095	72070(10)/ 72095	100/ 165 165	
3 Series 318Ti (E30)	92-99	RWD	N/A	N/A		72090/ 72095	72090/ 72095	100/ 165	
3 Series (E30)	84-91	AWD	N/A	N/A		N/A	N/A		
3 Series (E30)	84-91	RWD	N/A	N/A		72065/ 72095	72065/ 72095	100/ 165	
4 Series (F32)	14-18	RWD/AWD	OEMA	OEMA		N/A	N/A		
5 Series (G30 G31)	17-18	RWD/AWD	OEMA	OEMA		N/A	N/A		
5 Series (F10 F11)	10-16	RWD/AWD	OEMA	OEMA		N/A	N/A		
5 Series (E60 E61)	06-09	AWD	OEMA	OEMA		N/A	OEMA		
5 Series (E60 E61)	04-09	RWD	OEMA	OEMA		N/A	OEMA		
5 Series 525i, 528i w/o EDC 528iT, 530i (E39)	96-03	RWD	OEMA 72185/ 72509	OEMA 72185/ 72509	102/ 165	72080/ 72095	72080/ 72095	100/ 165	
5 Series 528i w/EDC, 540i 540iT, M5 (E39)	96-04	RWD	OEMA 72185/ 72509	OEMA 72185/ 72509	102/ 165	72180/ 72095	72180/ 72095	102/ 165	
5 Series (E23 E34)	87-95	RWD	N/A	N/A		N/A	N/A		
6 Series (F12 F13)	11-18	RWD/AWD	OEMA	OEMA		N/A	N/A		
6 Series (E63 E64)	04-10	RWD	72185/ 72509	72185/ 72509	102/ 165	N/A	N/A		
6 Series (E24)	80-89	RWD	N/A	N/A		N/A	N/A		
7 Series (G11 G12)	16-18	RWD/AWD	OEMA	OEMA		N/A	N/A		
7 Series (F01 F02 F03 F04)	09-15	RWD/AWD	OEMA	OEMA		N/A	N/A		
7 Series (E65 E66 E67 E68)	02-08	RWD	OEMA	OEMA		N/A	OEMA		
7 Series (E38)	95-01	RWD	OEMA	OEMA		N/A	N/A		
7 Series (E23 E32)	87-94	RWD	N/A	N/A		N/A	N/A		
8 Series Z8 Rdstr. (E52)	00-04	RWD	OEMA	OEMA		N/A	N/A		
8 Series (E31)	90-99	RWD	N/A	N/A		N/A	N/A		
i3	14-18	FWD	OEMA	OEMA		N/A	N/A		
i8	14-18	AWD	OEMA	OEMA		N/A	N/A		
X1 (F48)	16-18	FWD/AWD	OEMA 67108	OEMA	82	N/A	OEMA		
X1 (E84)	12-15	RWD/AWD	OEMA	OEMA		N/A	N/A		
X2 (F39)	18-18	FWD/AWD	OEMA 67108	OEMA	82	N/A	OEMA		
X3 (G01 F25 E83)	05-18	AWD	OEMA	OEMA		N/A	OEMA		
X4 (F26)	14-18	AWD	OEMA	OEMA		N/A	OEMA		
X5 (F15)	14-18	AWD	OEMA 72115/37995 72116, 72117	OEMA	101/ 160 101,101	N/A	OEMA		
X5 (E70)	07-13	AWD	OEMA 72115/37995 72116, 72117	OEMA	101/ 160 101,101	N/A	N/A		

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X5 (E53)	00-06	AWD	OEMA	OEMA		N/A	81280 82120/ 85130	110 114/ 169	
X6 (F16 E71)	08-18	AWD	OEMA 72115/37995 72116, 72117	OEMA	101/ 160 101,101	N/A	N/A		
Z3 (E36)	96-02	RWD	N/A	N/A		72070(10)/ 72095	72070(10)/ 72095	100/ 165 165	
Z4 (E89)	09-16	RWD	OEMA	OEMA/ 87565	170	N/A	N/A		
Z4 M (E85)	06-08	RWD	OEMA 67110 72110	OEMA/ 87565	170 82 100	N/A	OEMA		
Z4 (E85) Except M	03-08	RWD	OEMA 67110 72110	OEMA/ 87565	170 82 100	72090/ 72095	OEMA 72090/ 72095	100/ 165 100/ 165	
BUICK									
Allure	10-10	AWD	OEMA 82090	OEMA 82090/ 45938	113/ 163	N/A	OEMA 82130	115	
Allure w/ HiPer Strut	10-10	FWD	OEMA 82090	OEMA 82090/ 45938	113/ 163	N/A	OEMA 82130	115	
Allure w/o HiPer Strut	10-10	FWD	OEMA 82080	OEMA 82085	113,113	N/A	81250	110	
Allure	05-09	FWD	81260	OEMA	110	N/A	81260	110	
Apollo 'X' Body 94393, Pro Springs-pg. 130 94001, upper ball joint-pg.127	73-74	RWD	N/A	N/A		47700(*) 97120 94374	47700(*) 97120	78,78 132,132 130	
Cascade	16-18	FWD	N/A	N/A		N/A	OEMA 82130	115	
Century	97-05	FWD	81260	OEMA	110	N/A	81260	110	
Century	82-96	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109	N/A	82110/ 85130	114/ 169	
Century 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	73-77	RWD	N/A	N/A		47700(*) 97130 94378	47700(*) 97130	78,78 132,132 130	
Electra	85-90	FWD	81280 82120/ 85130	OEMA	110 114/ 169	OEMA	81280 82120/ 85130	110 114/ 169	
Enclave	18-18	FWD/AWD	OEMA	OEMA		N/A	81250	110	
Enclave	08-17	FWD/AWD	OEMA 82105, 82106	OEMA 82105, 82106	114,114	N/A	81280	110	
Encore	13-18	AWD	N/A	N/A		N/A	81260	110	
Encore	13-18	FWD	71050(*)	71050(*)	96,96	N/A	81260	110	
Envision w/ HiPer Strut	16-18	FWD/AWD	OEMA	OEMA		N/A	OEMA 82130	115	
Envision w/o HiPer Strut	16-18	FWD/AWD	OEMA	OEMA		N/A	81250	110	
Estate Wagon	80-90	RWD	N/A	N/A		47700(*)	47700(*)	78,78	
Grand National 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	82-87	RWD	N/A	N/A		47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131	
GS Pro Spring-pg. 130 94391, (64-67) 94392, (68-72) 94001, upper ball joint-pg. 127	64-72	RWD	N/A	N/A		47700(*) 97110 94344(22)	47700(*) 97110	78,78 132,132 129	
LaCrosse	10-18	AWD	OEMA 82090/ 45938	OEMA 82090/ 45938	113/ 163	N/A	OEMA 82130	115	
LaCrosse w/ HiPer Strut	10-18	FWD	OEMA 82090/ 45938	OEMA 82090/ 45938	113/ 163	N/A	OEMA 82130	115	
LaCrosse w/o HiPer Strut	10-18	FWD	OEMA 82080	OEMA 82085	113,113	N/A	81250	110	
LaCrosse	05-09	FWD	81260	OEMA	110	N/A	81260	110	
LeSabre	00-06	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	109 109,109 109	OEMA	81280 82120/ 85130	110 114/ 169	

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LeSabre	86-99	FWD	81280 82120/ 85130	OEMA	110 114/ 169		OEMA	81280 82120/ 85130	110 114/ 169
LeSabre 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	71-85	RWD	N/A	N/A			47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130
Lucerne	06-11	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	109 109,109 109		N/A	81280 82120/ 85130	110 114/ 169
Park Avenue	97-05	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	109 109,109 109		N/A	81280 82120/ 85130	110 114/ 169
Park Avenue	90-96	FWD	81280 82120/ 85130	OEMA	110 114/ 169		OEMA	81280 82120/ 85130	110 114/ 169
Rainier	04-07	RWD/4WD	N/A	N/A			OEMA/ 83785	OEMA/ 83785	169
Reatta	89-91	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	109 109,109 109		N/A	81280 82120/ 85130	110 114/ 169
Regal Sportback/TourX	2018	FWD	OEMA	OEMA			N/A	81250	110
Regal Sportback/TourX	2018	AWD	OEMA 82090/ 45938	OEMA 82090/ 45938	113/ 163		N/A	81250	110
Regal	11-17	AWD	OEMA 82090	OEMA 82090/ 45938	113/ 163		N/A	OEMA 82130	115
Regal w/ HiPer Strut	11-17	FWD	OEMA 82090	OEMA 82090/ 45938	113/ 163		N/A	OEMA 82130	115
Regal w/o HiPer Strut	11-17	FWD	OEMA 82080	OEMA 82085	113,113		N/A	81250	110
Regal	97-04	FWD	81260	OEMA/ 83850	110/ 169		N/A	81260	110
Regal	88-96	FWD	81280 82120/ 85130	OEMA/ 83850	110/ 169 114/ 169		N/A	N/A/ 85130	169
Regal 94390, Pro Springs-pg. 130 94006, upper ball joint-pg. 127	78-87	RWD	N/A	N/A			47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131
Regal 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	73-77	RWD	N/A	N/A			47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130
Rendezvous	02-07	AWD	OEMA	OEMA			N/A	81260	110
Rendezvous	02-07	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109		N/A	81260	110
Riviera	95-99	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	109 109,109 109		OEMA	81280 82120/ 85130	110 114/ 169
Riviera	86-93	FWD	75600(1) 75800(1)	OEMA/ 83775 75600(1) 75800(1)	109/ 169 109,109 109		OEMA	OEMA 81280 82120/ 85130	110 114/ 169
Riviera	79-85	FWD	75600(1) 75800(1)	OEMA/ 83775 75600(1) 75800(1)	109/ 169 109,109 109		OEMA	OEMA	
Roadmaster Incl. Estate	91-96	RWD	N/A	N/A			47700(*)	47700(*)	78,78
Skyhawk	82-89	FWD	75400(1)	75400(1)	109,109		N/A	81280 82120/ 85130	110 114/ 169
Skylark	96-98	FWD	75400(1)	75400(1)	109,109		N/A	81260	110
Skylark	86-95	FWD	75400(1)	75400(1)	109,109		N/A	81280 82120/ 85130	110 114/ 169
Skylark	80-85	FWD	75400(1)	75400(1)	109,109		N/A	82110/ 85130	114/ 169

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			CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Skylark 'X' Body 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	75-79	RWD	N/A	N/A			47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130
Skylark Pro Springs Available-pg. 130 94391, (64-67), 94392, (68-72) 94001, upper ball joint-pg. 127	64-72	RWD	N/A	N/A			47700(*) 97110 94344(22)	47700(*) 97110	78,78 132,132 129
Somerset	85-89	FWD	75400(1)	75400(1)	110		N/A	81280 82120/ 85130	110 114/ 169
Special Pro Springs Available-pg. 130 94391, (64-67), 94392, (68-72) 94001, upper ball joint-pg. 127	64-72	RWD	N/A	N/A			47700(*) 97110 94344(22)	47700(*) 97110	78,78 132,132 129
Terraza	05-07	AWD	OEMA	OEMA			N/A	81260	110
Terraza	05-07	FWD	75600(1) 75800(1)	75600(1) 75800(1)	110 110		N/A	81260	110
Verano	12-17	FWD	71030(*)	71030(*)	96,96		N/A	81250	110

CADILLAC

Allante	93-93	FWD	OEMA	OEMA			OEMA/ 85130	81280 82120/ 85130	169,110 114/ 169
Allante	87-92	FWD	N/A	OEMA			OEMA/ 85130	81280 82120/ 85130	169,110 114/ 169
ATS	13-18	RWD/AWD	OEMA	OEMA			N/A	81280	110
Brougham	85-92	RWD	N/A	N/A			47700(*)	47700(*)	78,78
Catera	97-01	RWD	N/A	OEMA			N/A	81250	110
Cimarron	82-88	FWD	75400(1)	75400(1)	109,109		N/A	81280 82120/ 85130	110 114/ 169
CTS Inc. CTS-V	16-18	RWD/AWD	OEMA	OEMA			N/A	81280	110
CTS Coupe/Wagon/CTS-V Sedan	14-15	RWD/AWD	OEMA	OEMA			OEMA/ 83785	OEMA/ 83785	169,169
CTS Sedan (except CTS-V)	14-15	RWD/AWD	OEMA	OEMA			N/A	81280	110
CTS Inc. CTS-V	08-13	RWD/AWD	OEMA	OEMA			OEMA/ 83785	OEMA/ 83785	169,169
CTS Inc. CTS-V	03-07	RWD/AWD	OEMA	OEMA			OEMA/ 83775, 83785, 83850	OEMA/ 83850	169,169 169,169
CT6	16-18	RWD/AWD	N/A	OEMA			N/A	N/A	
DeVille	00-05	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	109 109,109 109		OEMA	81280 82120/ 85130	110 114/ 169
DeVille Incl. Concours	94-99	FWD	OEMA	OEMA			OEMA	81280 82120/ 85130	110 114/ 169
DeVille	85-93	FWD	OEMA 82120/ 85130	OEMA	114/ 169		OEMA/ 85130	OEMA 82120/ 85130	169 114/ 169
DTS	06-11	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	109 109,109 109		OEMA	81280 82120/ 85130	110 114/ 169
Eldorado	93-03	FWD	OEMA	OEMA			OEMA/ 85130	81280 82120/ 85130	169,110 114/ 169
Eldorado	86-92	FWD	75600(1) 75800(1)	OEMA/ 83775 75600(1) 75800(1)	109/ 169 109,109 109		OEMA	OEMA 81280 82120/ 85130	110 114/ 169
Eldorado	80-85	FWD	75600(1) 75800(1)	OEMA/ 83775 75600(1) 75800(1)	109/ 169 109,109 109		OEMA	OEMA	
Escalade ESV/EXT 45940 for use on OEM style cams only	02-18	RWD/4WD	N/A	N/A			OEMA/ 45940 86320, 86325 86375 86470 (thru '06)	OEMA/ 45940 86320, 86325 86350/ 72509 86375 86470 (thru '06)	163,163 120,120 121,121, 165 122,121 122
Escalade	99-00	RWD/4WD	N/A	N/A			OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910	118/ 167 124/ 167

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ELR	14-16	FWD	71030(*)	71030(*)	96,96	N/A	OEMA 82130	115	
Fleetwood	85-93	FWD	OEMA	OEMA		OEMA/ 85130	OEMA 82120/ 85130	169 114/ 169	
Seville STS/SLS	98-04	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	109 109,109	OEMA	81280 82120/ 85130	110 114/ 169	
Seville STS/SLS	93-97	FWD	OEMA	OEMA		N/A	81280 82120/ 85130	110 114/ 169	
Seville	86-92	FWD	75600(1) 75800(1)	OEMA/ 83775 75600(1) 75800(1)	109/ 169 109,109 109	OEMA	OEMA 81280 82120/ 85130	110 114/ 169	
Seville	80-85	FWD	75600(1) 75800(1)	OEMA/ 83775 75600(1) 75800(1)	109/ 169 109,109 109	OEMA	OEMA		
SRX	10-16	FWD/AWD	OEMA	OEMA		N/A	81280	110	
SRX	04-09	RWD/AWD	OEMA	OEMA/ 83850	169	OEMA/ 83785, 83775	OEMA/ 83775	169 169,169	
STS	05-11	RWD/AWD	OEMA	OEMA		OEMA/ 83785	OEMA/ 83785	169,169	
XLR, XLR-V	04-09	RWD	OEMA	OEMA		OEMA	OEMA		
XTS w/ HiPer Strut	13-18	FWD/AWD	OEMA 82090/ 45938	OEMA 82090/ 45938	112/ 163	N/A	OEMA 82130	115	
XTS w/o HiPer Strut	13-18	FWD/AWD	OEMA 82080	OEMA 82085	112,112	N/A	81250	110	
XT5	17-18	FWD/AWD	OEMA	OEMA		N/A	81250	110	
CHEVROLET									
1500 2500 3500 (1999/2000 'Classic' only)	88-00	RWD/4WD	N/A	N/A		■ OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910 86350(2)/ 72509	118/ 167 124/ 167 121/ 165	
Astro (1999/2000 'Classic' only)	90-05	AWD	N/A	N/A		■ OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910	118/ 167 124/ 167	
Astro	85-05	RWD	N/A	N/A		■ 47700(*)	47700(*)	78,78	
Avalanche 1500 <i>45940 for use on OEM style cams only</i>	02-13	RWD/4WD	N/A	N/A		■ OEMA/ 45940 86320, 86325 86375 86470 (thru '06)	OEMA/ 45940 86320, 86325 86375, 86470 (thru '06) 86350/ 72509	163,163 120,120 121,122 121,121, 165	
Avalanche 2500 <i>45940 for use on OEM style cams only</i>	02-06	4WD	N/A	N/A		■ OEMA/ 45940 23960/ 72509 86320, 86325 86375	OEMA/ 45940 23960/ 72509 86320, 86325 86375 86330/ 72509	163,163 74/ 165 120,120 121,121 121/ 165	
Aveo	04-11	FWD	75200(15)	75200(15)	109,109	N/A	81250	110	
Bel Air 'B' Body	71-81	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Bel Air	65-70	RWD	N/A	N/A		47700(*) 94356	47700(*) 94356	78,78 132,132	
Bel Air	58-64	RWD	N/A	N/A		47700(*) 97150	47700(*) 97150	78,78 131,131	
Bel Air <i>94003, upper ball joint-pg. 127</i>	55-57	RWD	N/A	N/A		47700(*) 97170	47700(*) 97170	78,78 131,131	
Beretta	96-97	FWD	75400(1)	75400(1)	109,109	N/A	81260	110	
Beretta	87-95	FWD	75400(1)	75400(1)	109,109	N/A	81280 82120/ 85130	110 114/ 169	

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Biscayne 'B' Body	71-75	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Biscayne	65-70	RWD	N/A	N/A		47700(*) 94356	47700(*) 94356	78,78 132,132	
Biscayne	58-64	RWD	N/A	N/A		47700(*) 97150	47700(*) 97150	78,78 131,131	
Blazer Full Size	92-94	RWD/4WD	N/A	N/A		OEMA 83790/74910 87400/74910	OEMA 83790/74910 87400/74910 86350(2)/72509	118/167 124/167 121/165	
Blazer S-10	82-04	RWD	N/A	N/A		47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131	
Blazer S-10	82-04	4WD	N/A	N/A		OEMA 83710	OEMA 83710	117,117	
Blazer C5	69-91	RWD	N/A	N/A		47700(*)	47700(*)	78,78	
Blazer K5	69-91	4WD	N/A	N/A		23000(*)/4169	23000(*)/4169	68/159	
Bolt EV	17-18	FWD	N/A	N/A		N/A	81260	110	
Camaro	16-18	RWD	OEMA	OEMA		N/A	81280	110	
Camaro	10-15	RWD	OEMA 87430	OEMA 87430	125,125	N/A	81280	110	
Camaro	93-02	RWD	N/A	N/A		OEMA/83775	OEMA/83775	169,169	
Camaro 'F'-Body	82-92	RWD	N/A	N/A		OEMA	OEMA 81280	110	
Camaro 'F'-Body 94394, Pro Springs-pg. 130 94006, upper ball joint-pg. 127	70-81	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Camaro 'F'-Body 94393, Pro Springs-pg. 130 94001, upper ball joint-pg. 127	67-69	RWD	N/A	N/A		47700(*) 97120 94374(22)	47700(*) 97120	78,78 132,132 130	
Caprice PPV	11-17	RWD	OEMA 87430	OEMA 87430	125,125	OEMA	81260	110	
Caprice 'B' Body 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	71-96	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Caprice	65-70	RWD	N/A	N/A		47700(*) 94356	47700(*) 94356	78,78 132,132	
Caprice	58-64	RWD	N/A	N/A		47700(*) 97150	47700(*) 97150	78,78 131,131	
Captiva Sport	12-15	FWD/AWD	OEMA 87420	OEMA 87420	124,124	N/A	81260	110	
Cavalier	95-05	FWD	75400(1)	75400(1)	109,109	N/A	81260	110	
Cavalier	82-94	FWD	75400(1)	75400(1)	109,109	N/A	81280	110	
Celebrity	82-90	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109	N/A	82110/85130	114/169	
Chevellé 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	73-77	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Chevellé Pro Springs Available-pg. 130 94391, (64-67), 94392, (68-72) 94001, upper ball joint-pg. 127	64-72	RWD	N/A	N/A		47700(*) 97110 94344(22)	47700(*) 97110	78,78 132,132 129	
Chevette	76-87	RWD	N/A	N/A		OEMA	OEMA		
Citation	80-85	FWD	75400(1)	75400(1)	109,109	N/A	82110/85130	114/169	
City Express	15-18	FWD	N/A	N/A		N/A	81260	110	
Classic	04-05	FWD	81250	OEMA	110	N/A	81260	110	
Cobalt	05-10	FWD	75400(1)	75400(1)	109,109	N/A	81250	110	
Colorado	15-18	RWD/4WD	N/A	N/A		OEMA 86490 86321, 86326 86376	OEMA 86490 86321, 86326 86376	122,122 120,120 121,121	

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Colorado <i>45940 for use on OEM style cams only</i>	04-12	RWD/4WD	N/A	N/A		■ OEMA/ 45940 45938 86320, 86325 86360 86375	OEMA/ 45940 45938 86320, 86325 86360 86375	163,163 163,163 120,120 121,121 121,121	
Corsica	96-96	FWD	75400(1)	75400(1)	109,109	N/A	81260	110	
Corsica	87-95	FWD	75400(1)	75400(1)	109,109	N/A	81280	110	
Corvette C5/C6/C7	97-18	RWD	OEMA	OEMA		OEMA	OEMA		
Corvette C4 Late <i>94007, upper ball joint-pg. 127</i>	88-96	RWD	OEMA	OEMA		47700(*) 92750, 92751 94370, 94371	47700(*) 92750, 92751 94370, 94371	78,78 129,129 129,129	
Corvette C4 Early <i>94007, upper ball joint-pg. 127</i>	84-87	RWD	OEMA	OEMA		47700(*) 92748, 92749 94368, 94369	47700(*) 92748, 92749 94368, 94369	78,78 129,129 129,129	
Corvette C2/C3 <i>94003, upper ball joint-pg. 127</i>	63-82	RWD	OEMA 83160	OEMA 47170(*)	117,79	47700(*) 92740 94360	47700(*) 92740 94360	78,78 129,129 129,129	
Cruze	11-18	FWD	71030(*)	71030(*)	96,96	N/A	81250	110	
C10 C20 C30 C1500 C2500 C3500 Pickup/Suburban <i>Thrust Plate not for C10/15</i>	65-87	RWD	N/A	N/A		■ 47700(*)	47700(*)	78,78	
C4500 Kodiak	03-09	RWD	N/A	N/A		■ Axle Wedges	N/A		
C4500 Kodiak	03-09	4WD	N/A	N/A		■ Axle Wedges 23230(*) 24230/ 74600	23230(*) 24230/ 74600	70 70,73/ 167 73/ 167	
C5500 Kodiak	03-09	RWD	N/A	N/A		Axle Wedges	N/A		
C5500 Kodiak	03-09	4WD	N/A	N/A		Axle Wedges 23230(*) 24230/ 74600	23230(*) 24230/ 74600	70 70,73/ 167 73/ 167	
El Camino <i>94390, Pro Springs-pg. 130</i> <i>94006, upper ball joint-pg. 127</i>	78-88	RWD	N/A	N/A		47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131	
El Camino <i>94006, upper ball joint-pg. 127</i> <i>94017, ext. upper ball joint-pg. 127</i>	73-77	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
El Camino <i>94001, upper ball joint-pg. 127</i>	64-72	RWD	N/A	N/A		47700(*) 97110 94344(22)	47700(*) 97110	78,78 132,132 129	
El Camino	58-63	RWD	N/A	N/A		47700(*) 97150	47700(*) 97150	78,78 131,131	
Equinox	18-18	FWD/AWD	OEMA	OEMA		N/A	81250	110	
Equinox	05-17	FWD/AWD	OEMA 87420	OEMA 87420	124,124	N/A	81260	110	
Express <i>45940 for use on OEM style cams only</i>	03-18	RWD/4WD	N/A	N/A		■ OEMA/ 45940 86320, 86325 86370, 86375	OEMA/ 45940 86320, 86325 86370, 86375 86350/ 72509	163,163 120,120 121,121 121/ 165	
Express	96-02	RWD	N/A	N/A		■ OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910	118/ 167 124/ 167	
G10 G20 G30 Van	71-96	RWD	N/A	N/A		■ 47700(*)	47700(*)	78,78	
HHR	06-11	FWD	75400(1)	75400(1)	109,109	N/A	81250	110	
Impala Limited	14-16	FWD	81260	OEMA	110	N/A	81260	110	
Impala	14-18	FWD	OEMA	OEMA		N/A	81250	110	
Impala	99-13	FWD	81260	OEMA	110	N/A	81260	110	

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Impala 'B' Body 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	71-96	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Impala	65-70	RWD	N/A	N/A		47700(*) 94356	47700(*) 94356	78,78 132,132	
Impala	58-64	RWD	N/A	N/A		47700(*) 97150	47700(*) 97150	78,78 131,131	
K10 K15 K20 K25 Pickup/Suburban	70-87	4WD	N/A	N/A		■ 23000(*)/4169	23000(*)/4169	68/159	
K30 K35	58-87	4WD	N/A	N/A		■ Axle Wedges	23000(*)/4169	68/159	
K30 V30 Dana 60	88-93	4WD	N/A	N/A		■ Axle Wedges 88940	88940	126 126	
Lumina Sedan	95-01	FWD	81260	OEMA/83850	110/169	N/A	N/A/85130	169	
Lumina Sedan	90-94	FWD	81280 82120/85130	OEMA/83850	110/169 114/169	N/A	N/A/85130	169	
Lumina APV Van	90-96	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109	N/A	82110/85130	114/169	
Luv Pickup	80-82	RWD/4WD	N/A	N/A		■ 47700(*)	47700(*)	78,78	
Malibu incl. Limited	13-18	FWD	OEMA	OEMA		N/A	81250	110	
Malibu Classic	08-08	FWD	OEMA 75400(17)	OEMA 75400(17)	109,109	N/A	81250	110	
Malibu Classic	04-05	FWD	81250	OEMA	110	N/A	81260	110	
Malibu	04-12	FWD	OEMA 75400(17) 82100	OEMA 75400(17) 82100	109,109 113,113	N/A	81250	110	
Malibu	97-03	FWD	81250	OEMA	110	N/A	81260	110	
Malibu 94390, Pro Springs-pg. 130 94006, upper ball joint-pg. 127	78-83	RWD	N/A	N/A		47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131	
Malibu 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	73-77	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Malibu Pro Springs-pg. 130 94391, (64-67), 94392, (68-72) 94001, upper ball joint-pg. 127	64-72	RWD	N/A	N/A		47700(*) 97110 94344(22)	47700(*) 97110	78,78 132,132 129	
Metro	98-01	FWD	N/A	OEMA		N/A	81250	110	
Monte Carlo	00-07	FWD	81260	OEMA	110	N/A	81260	110	
Monte Carlo	95-99	FWD	81280 82120/85130	OEMA/83850	110/169 114/169	N/A	N/A/85130	169	
Monte Carlo 94390, Pro Springs-pg. 130 94006, upper ball joint-pg. 127	78-88	RWD	N/A	N/A		47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131	
Monte Carlo 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	73-77	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Monte Carlo 94392, Pro Springs-pg. 130 94001, upper ball joint-pg. 127	70-72	RWD	N/A	N/A		47700(*) 97110 94344(22)	47700(*) 97110	78,78 132,132 129	
Nova	85-88	FWD	81250	OEMA	110	N/A	OEMA 81250	110	
Nova 'X' Body 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	75-79	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Nova 'X' Body 94393, Pro Springs-pg. 130 94001, upper ball joint-pg. 127	68-74	RWD	N/A	N/A		47700(*) 97120 94374(22)	47700(*) 97120	78,78 132,132 130	
Optra	03-07	FWD	81250	OEMA	110	N/A	81250	110	
Prizm	98-02	FWD	75600(1) 75800(1) 81250	OEMA 75600(1) 75800(1)	109 109,109 110,109	N/A	OEMA 81260	110	

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R10 R20 R30 R1500 R2500 R3500 Pickup/Suburban	88-91	RWD	N/A	N/A		■	47700(*)	47700(*)	78,78
Silverado 1500 <i>45940 for use on OEM style cams only</i>	07-18	RWD/4WD	N/A	N/A		■	OEMA/ 45940 86320, 86325 86375 86470 (thru '06)	OEMA/ 45940 86320, 86325 86375, 86470 (thru '06) 86350/ 72509	163,163 120,120 121,122 122,121/ 165
Silverado 1500 HD Crew Cab <i>45940 for use on OEM style cams only</i>	01-06	RWD/4WD	N/A	N/A		■	OEMA/ 45940 23960/ 72509 86320, 86325 86375	OEMA/ 45940 23960/ 72509 86320, 86325 86375 86330/ 72509	163,163 74/ 165 120,120 121,121 121/ 165
Silverado 2500	11-18	RWD/4WD	N/A	N/A		■	OEMA 86321, 86326 86376	OEMA 86321, 86326 86376	120,120 121,121
Silverado 2500 <i>45940 for use on OEM style cams only</i>	99-10	RWD/4WD	N/A	N/A		■	OEMA/ 45940 23960/ 72509 86320, 86325 86375	OEMA/ 45940 23960/ 72509 86320, 86325 86375 86330/ 72509	163,163 74/ 165 120,120 121,121 121/ 165
Silverado 2500 HD RWD Cab/Chassis	91-02	RWD	N/A	N/A		■	Axle Wedges	N/A	
Silverado 3500	11-18	RWD/4WD	N/A	N/A			OEMA 86321, 86326 86376	OEMA 86321, 86326 86376	120,120 121,121
Silverado 3500 <i>45940 for use on OEM style cams only</i>	99-10	RWD/4WD	N/A	N/A		■	OEMA/ 45940 23960/ 72509 86320, 86325 86375	OEMA/ 45940 23960/ 72509 86320, 86325 86375 86330/ 72509	163,163 74/ 165 120,120 121,121 121/ 165
Silverado 3500 HD RWD Cab/Chassis	91-02	RWD	N/A	N/A			Axle Wedges	N/A	
Sonic	12-18	FWD	71050(*)	71050(*)	96,96		N/A	81260	110
Spark	13-18	FWD	N/A	N/A			N/A	81250	110
Spectrum	85-88	FWD	75200(1)	75200(1)	109,109		N/A	81250	110
Sprint Metro	87-88	FWD	N/A	N/A			N/A	OEMA 81250	110
Sprint	85-86	FWD	N/A	N/A			N/A	81250	110
Suburban <i>45940 for use on OEM style cams only</i>	15-18	RWD/4WD	N/A	N/A		■	OEMA/ 45940 86320, 86325 86375	OEMA/ 45940 86320, 86325 86375 86350/ 72509	163,163 120,120 121,121 121/ 165
Suburban 1500 <i>45940 for use on OEM style cams only</i>	00-14	RWD/4WD	N/A	N/A		■	OEMA/ 45940 86320, 86325 86375 86470 (thru '06)	OEMA/ 45940 86320, 86325 86375, 86470 (thru '06) 86350/ 72509	163,163 120,120 121,122 122,121/ 165
Suburban 2500 <i>45940 for use on OEM style cams only</i>	00-14	RWD/4WD	N/A	N/A		■	OEMA/ 45940 23960/ 72509 86320, 86325 86375	OEMA/ 45940 23960/ 72509 86320, 86325 86375 86330/ 72509	163,163 74/ 165 120,120 121,121 121/ 165
Suburban	92-99	RWD/4WD	N/A	N/A		■	OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910 86350(2)/ 72509	118/ 167 124/ 167 121/ 165
Suburban	69-91	4WD	N/A	N/A		■	23000(*)/ 4169	23000(*)/ 4169	68/ 159
Suburban	65-91	RWD	N/A	N/A		■	47700(*)	47700(*)	78,78
SS	14-17	RWD	OEMA 87430	OEMA 87430	125,125		N/A	81260	110

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Model/Body Style	Year	Drive Type	REAR			Page	Thrust Plate	FRONT		
			CAMBER/TOOL	TOE/TOOL				CASTER/TOOL	CAMBER/TOOL	Page
SSR	04-06	RWD	N/A	N/A			■	OEMA/83785	OEMA/83785	169,169
S10 <i>94006, upper ball joint-pg. 127</i>	82-04	RWD	N/A	N/A			■	47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131
S10	82-04	4WD	N/A	N/A			■	OEMA 83710	OEMA 83710	117,117
Tahoe <i>45940 for use on OEM style cams only</i>	00-18	RWD/4WD	N/A	N/A			■	OEMA/45940 86320, 86325 86375 86470 (thru '06)	OEMA/45940 86320, 86325 86375, 86470 (thru '06) 86350/72509	163,163 120,120 121,121 121,121,165
Tahoe	95-99	RWD/4WD	N/A	N/A			■	OEMA 83790/74910 87400/74910	OEMA 83790/74910 87400/74910 86350(2)/72509	118/167 124/167 121/165
Tracker	98-04	4WD	N/A	N/A			■	N/A	81250	110
Trailblazer	02-09	RWD/4WD	N/A	N/A				OEMA/83785	OEMA/83785	169,169
Traverse	18-18	FWD/AWD	OEMA	OEMA				N/A	81250	110
Traverse	09-17	FWD/AWD	OEMA 82105, 82106	OEMA 82105, 82106	114,114			N/A	81280	110
Trax	15-18	AWD	N/A	N/A				N/A	81260	110
Trax	15-18	FWD	71050(*)	71050(*)	96,96			N/A	81260	110
Tri-5 Body <i>94003, upper ball joint-pg. 127</i>	55-57	RWD	N/A	N/A				47700(*) 97170	47700(*) 97170	78,78 131,131
Uplander	05-06	AWD	OEMA	OEMA				N/A	81260	110
Uplander	05-08	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109			N/A	81260	110
Venture	02-05	AWD	OEMA	OEMA				N/A	81260	110
Venture	97-05	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109			N/A	81260	110
Volt	11-18	FWD	71030(*)	71030(*)	96,96			N/A	81250	110
V30 Dana 60	87-88	4WD	N/A	N/A			■	Axle Wedges 88940	88940	126 126
V3500 Dana 60	89-91	4WD	N/A	N/A				Axle Wedges 88940	88940	126 126

CHRYSLER

All Passenger Car Models	60-73	RWD	N/A	N/A				OEMA 83160	OEMA 83160	117,117
200	15-17	FWD/AWD	OEMA	OEMA				N/A	N/A	
200	11-14	FWD	67018 75600(1)	75600(1)	81,109 109			N/A	81260	110
300	11-18	RWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/81 161,164			66045	66045	80,80
300	09-10	RWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/81 161,164			66037 66045	66037 66045	80,80 80,80
300	05-08	RWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/81 161,164			66037 66040	66037 66040	80,80 80,80
300	05-18	AWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/81 161,164			66047	66047	80,80
300M <i>55700, toe tool-pg. 163 23600, repl. sleeve-pg. 71</i>	99-04	FWD	67080	OEMA	81			N/A	81280 82120/85130	110 114/169
Aspen	07-09	RWD/AWD	N/A	N/A				OEMA	OEMA	
Cirrus	95-00	FWD	OEMA	OEMA				N/A	67180/40920	83/161
Concorde <i>55700, toe tool-pg. 163 23600, repl. sleeve-pg. 71</i>	98-04	FWD	67080	OEMA	81			N/A	81280 82120/85130	110 114/169

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CHRYSLER-cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Concorde <i>55600, toe tool-pg. 163</i>	93-97	FWD	67020	OEMA	WB	N/A	81280 82120/ 85130	110 114/ 169	
Crossfire Inc. SRT6	04-08	RWD	28840/ 75990, 72509	OEMA	77 167,165	28815	28815	77,77	
E Class & Executive Sedan	83-86	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/ 169	
Fifth Avenue & Imperial	90-93	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/ 169	
Imperial	81-83	RWD	N/A	N/A		OEMA/ 8286	OEMA/ 8286	159,159	
Laser	84-86	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/ 169	
LeBaron	82-95	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/ 169	
LHS <i>55700, toe tool-pg. 163</i> <i>23600, repl. sleeve-pg. 71</i>	98-01	FWD	67080	OEMA	81	N/A	81280 82120/ 85130	110 114/ 169	
LHS & New Yorker <i>55600, toe tool-pg. 163</i>	94-97	FWD	67020	OEMA	WB	N/A	81280 82120/ 85130	110 114/ 169	
New Yorker 5th Ave.	83-89	RWD	N/A	N/A		OEMA	OEMA		
New Yorker	83-93	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/ 169	
Pacifica	17-18	FWD	OEMA	OEMA		N/A	81260	110	
Pacifica	04-08	AWD/FWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/80 161,164	N/A	81260	110	
PT Cruiser	01-10	FWD	71740(*)	71740(*)	97,97	N/A	81260	110	
Sebring	07-10	FWD	67015	OEMA	81	N/A	81260	110	
Sebring Sedan & Conv.	04-06	FWD	67025	OEMA	81	N/A	67180/ 40920	83/ 161	
Sebring Sedan & Conv.	01-03	FWD	OEMA	OEMA		N/A	67180/ 40920	83/ 161	
Sebring 2Dr. Coupe <i>73400 must be used with 73415</i>	01-06	FWD	73400+73415(7) 73600, 73620(8)	OEMA	108,108 108,108	N/A	81280 82120/ 85130	110 114/ 169	
Sebring Conv.	96-00	FWD	OEMA	OEMA		N/A	67180/ 40920	83/ 161	
Sebring 2Dr. Coupe <i>73400 must be used with 73415</i>	95-00	FWD	73400+73415(7) 73600, 73620(8)	OEMA	108,108 108,108	N/A	67170/40920 67370(8)/ 40920	83/ 161 WB/ 161	
Town & Country	01-16	AWD	N/A	N/A		N/A	81260 83170/ 85130	110 117/ 169	
Town & Country	01-16	FWD	71700(*1)	71700(*1)	97,97	N/A	OEMA 81260 83170/ 85130	110 117/ 169	
Town & Country	96-00	AWD	N/A	N/A		N/A	OEMA 83170/ 85130	117/ 169	
Town & Country	96-00	FWD	71700(*)	71700(*)	97,97	N/A	OEMA 83170/ 85130	117/ 169	
Town & Country	90-95	AWD	N/A	N/A		N/A	OEMA 83170/ 85130	117/ 169	
Town & Country	90-95	FWD	75400(1)	75400(1)	109,109	N/A	OEMA 83170/ 85130	117/ 169	
Town & Country	82-88	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/ 169	
Voyager	00-03	AWD	N/A	N/A		N/A	81260 83170/ 85130	110 117/ 169	
Voyager	00-03	FWD	71700(*)	71700(*)	97,97	N/A	OEMA 81260 83170/ 85130	110 117/ 169	

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DODGE/RAM			R E A R			Thrust Plate	F R O N T		
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All Passenger B&E (Except 880) <i>94009, upper ball joint-pg. 127</i>	62-65	RWD	N/A	N/A			OEMA, 94450, 94451	OEMA 94450, 94451	131,131
All Passenger Car (Except B&E)	60-73	RWD	N/A	N/A			OEMA 83160	OEMA 83160	117,117
400	82-83	FWD	75200(1)	75200(1)	109,109		N/A	OEMA 83170/85130	117/169
600	83-88	FWD	75200(1)	75200(1)	109,109		N/A	OEMA 83170/85130	117/169
Aries	81-89	FWD	75200(1)	75200(1)	109,109		N/A	OEMA 83170/85130	117/169
Avenger	11-14	FWD/AWD	67018	OEMA	81		N/A	81260	110
Avenger	08-10	FWD/AWD	67015	OEMA	81		N/A	81260	110
Avenger <i>73400 must be used with 73415</i>	95-00	FWD	73400+73415(7) 73600, 73620(8)	OEMA	108,108 108,108		N/A	67170/40920 67370(8)/40920	WB/161 WB/161
B100 B200 B300 Ram Van	70-80	RWD	N/A	N/A		■	OEMA 83160	OEMA 83160	117,117
B150 B250 B350 Ram Van	81-01	RWD	N/A	N/A		■	OEMA/8286	OEMA/8286	159,159
Caliber	07-12	FWD/AWD	67455	OEMA	87		N/A	81260	110
Caravan	01-07	AWD	N/A	N/A			N/A	OEMA 81260 83170/85130	110 117/169
Caravan	01-07	FWD	71700(*1)	71700(*1)	97,97		N/A	OEMA 81260 83170/85130	110 117/169
Caravan	96-00	AWD	N/A	N/A			N/A	OEMA 83170/85130	117/169
Caravan	96-00	FWD	71700(*)	71700(*)	97,97		N/A	OEMA 83170/85130	117/169
Caravan	90-95	AWD	N/A	N/A			N/A	OEMA, 83170/85130	117/169
Caravan	84-95	FWD	75400(1)	75400(1)	109,109		N/A	OEMA 83170/85130	117/169
Challenger	17-18	AWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/80 161,164		66047	66047	80,80
Challenger	11-18	RWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/80 161,164		66045	66045	80,80
Challenger	09-10	RWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/80 161,164		66037 66045	66037 66045	80,80 80,80
Challenger	08-08	RWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/80 161,164		66037 66040	66037 66040	80,80 80,80
Challenger	80-83	RWD	N/A	N/A			OEMA	N/A	
Challenger <i>94009, upper ball joint-pg. 127</i>	70-74	RWD	N/A	N/A			OEMA 94450, 94451	OEMA 94450, 94451	131,131
Charger	11-18	RWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/80 161,164		66045	66045	80,80
Charger	09-10	RWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/80 161,164		66037 66045	66037 66045	80,80 80,80
Charger	06-08	RWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/80 161,164		66037 66040	66037 66040	80,80 80,80
Charger	06-18	AWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/80 161,164		66047	66047	80,80

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Charger	82-87	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/ 169	
Charger 94009, upper ball joint-pg. 127	66-72	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	131,131	
Colt Vista	93-94	FWD	OEMA	OEMA		N/A	81250	110	
Colt Vista	92-94	FWD/AWD	N/A	OEMA		N/A	OEMA		
Colt Vista	84-91	FWD/AWD	N/A	OEMA		OEMA	81250	110	
Colt	84-94	4WD	N/A	OEMA		N/A	81250	110	
Colt	80-87	RWD	N/A	N/A		OEMA	81250	110	
Colt	80-93	FWD	N/A	N/A		N/A	81250	110	
Conquest	84-86	RWD	N/A	OEMA		OEMA	N/A		
Coronet Incl. Super Bee 94009, upper ball joint-pg. 127	65-72	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	131,131	
Dakota	05-11	RWD/4WD	N/A	N/A		OEMA 82400	OEMA 82400	116,116	
Dakota	87-04	RWD/4WD	N/A	N/A		■ OEMA/ 6140, 8286	OEMA/ 6140, 8286	159,159	
Dart	13-16	FWD	N/A	OEMA		N/A	N/A		
Dart 94009, upper ball joint-pg. 127	73-76	RWD	N/A	N/A		OEMA 94460, 94461	OEMA 94460, 94461	131,131	
Daytona	84-94	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/ 169	
Durango	11-18	RWD/AWD	OEMA	OEMA		OEMA 82360	OEMA 82360	115,115	
Durango	04-10	RWD/AWD	N/A	N/A		OEMA	OEMA		
Durango	98-03	RWD/AWD	N/A	N/A		■ OEMA/ 6140, 8286	OEMA/ 6140, 8286	159,159	
Dynasty	88-93	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/ 169	
D100 D150 D200 D250 Truck	72-87	RWD	N/A	N/A		■ OEMA 83160	OEMA 83160	117,117	
D150 D250 D350 Truck	88-93	RWD	N/A	N/A		■ OEMA	OEMA		
D300 D350 D400 D450 Truck	72-87	RWD	N/A	N/A		■ OEMA 83160	OEMA 83160	117,117	
Grand Caravan	01-18	AWD	N/A	N/A		N/A	81260 83170/ 85130	110 117/ 169	
Grand Caravan	01-18	FWD	71700(*1)	71700(*1)	97,97	N/A	OEMA 81260 83170/ 85130	110 117/ 169	
Grand Caravan	96-00	AWD	N/A	N/A		N/A	OEMA 83170/ 85130	117/ 169	
Grand Caravan	96-00	FWD	71700(*)	71700(*)	97,97	N/A	OEMA 83170/ 85130	117/ 169	
Grand Caravan	90-95	AWD	N/A	N/A		N/A	OEMA 83170/ 85130	117/ 169	
Grand Caravan	84-95	FWD	75400(1)	75400(1)	109,109	N/A	OEMA 83170/ 85130	117/ 169	
Intrepid 55700, toe tool-pg. 163 23600, repl. sleeve-pg. 71	98-04	FWD	67080	OEMA	81	N/A	81280 82120/ 85130	110 114/ 169	
Intrepid 55600, toe tool-pg. 163	93-97	FWD	67020	OEMA	WB	N/A	81280 82120/ 85130	110 114/ 169	
Journey	11-18	AWD	67018	OEMA	81	N/A	81260	110	
Journey	11-18	FWD	67018	OEMA	81	N/A	81260	110	
Journey	09-10	FWD/AWD	67015	OEMA	81	N/A	81260	110	

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Lancer	85-89	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/85130	117/169	
Magnum	05-08	AWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/80 161,164	66047	66047	80,80	
Magnum	05-08	RWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	80 161,164/80 161,164	66037 66040	66037 66040	80,80 80,80	
Monaco	90-92	FWD	75200(1)	75200(1)	109,109	N/A	81280 82120/85130	110 114/169	
Neon Incl. SRT4	94-06	FWD	67210 81250	OEMA 67210	83 110,83	N/A	81260	110	
Nitro	07-12	RWD/AWD	N/A	N/A		OEMA	OEMA		
Omni Incl. O24	78-90	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/85130	117/169	
Promaster	14-18	FWD	N/A	N/A		N/A	N/A		
Promaster City	15-17	FWD	N/A	N/A		N/A	81250	110	
Raider	87-89	RWD/AWD	N/A	N/A		OEMA	OEMA		
Ram C/V - Tradesman	12-15	AWD	N/A	N/A		N/A	OEMA 81260 83170/85130	110 117/169	
Ram C/V - Tradesman	12-15	FWD	71700(*1)	71700(*1)	97,97	N/A	OEMA 81260 83170/85130	110 117/169	
Ram 1500 Mega Cab	06-08	RWD	N/A	N/A		■ OEMA	OEMA		
Ram 1500 Mega Cab	06-08	4WD	N/A	N/A		■ 23800(*)/ 72509, 23780 82385(16)	23800(*)/ 72509, 23780	72 165,159 116	
Ram 1500 Exc. Mega Cab	06-18	RWD/4WD	N/A	N/A		■ OEMA 23940/ 72509 82420/37995	OEMA 23940/ 72509 82420/37995	72/165 116/160	
Ram 1500	02-05	RWD	N/A	N/A		■ OEMA 23765	OEMA 23765	72,72	
Ram 1500	02-05	4WD	N/A	N/A		■ OEMA 23755	OEMA 23755	72,72	
Ram 1500	00-01	4WD	N/A	N/A		■ 23510(*)/ 72509, 23580 82385(16)	23510(*)/ 72509, 23580	71,71 165,159 116	
Ram 1500 82380 with 36mm OE cams. 82395 with 46mm OE cams.	94-99	4WD	N/A	N/A		■ 23510(*)/ 72509, 23580 82380(16) 82395(16)	23510(*)/ 72509, 23580	71,71 165,159 115 116	
Ram 1500	94-01	RWD	N/A	N/A		■ OEMA/8286	OEMA/8286	159,159	
Ram 2500 23610, 23615, Tie Rod Adjuster Sleeves-pg. 71	14-18	RWD	N/A	N/A		OEMA	OEMA		
Ram 2500 23610, 23615, Tie Rod Adjuster Sleeves-pg. 71	14-18	4WD	N/A	N/A		■ 23800(*)/ 23780, 72509 82387(16)	23800(*)/ 72509, 23780	72 165,159 116	
Ram 2500	10-13	4WD	N/A	N/A		■ 23800(*)/ 72509, 23780 82386(16)	23800(*)/ 72509, 23780	72 165,159 116	
Ram 2500	03-09	4WD	N/A	N/A		■ 23800(*)/ 72509, 23780 82385(16)	23800(*)/ 72509, 23780	72 165,159 116	
Ram 2500	00-02	4WD	N/A	N/A		■ 23710(*)/ 72509, 23780 82385(16)	23710(*)/ 72509, 23780	71 165,159 116	
Ram 2500	00-13	RWD	N/A	N/A		■ OEMA	OEMA		
Ram 2500	94-99	RWD	N/A	N/A		■ OEMA/8286	OEMA/8286	159,159	
Ram 2500 w/HD Dana 60 Fr Axle	94-99	4WD	N/A	N/A		■ 23130(*)/ 88830, 77880 24130/74500	23130(*)/ 88830, 77880 24130/74500	69,69 171,168 73/167	

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DODGE/RAM-cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Ram 2500 w/LD Dana 44 Fr Axle	94-99	4WD	N/A	N/A		■ 23510(*)/ 72509, 23580	23510(*)/ 72509, 23580	71,71 165,159	
Ram 3500 w/mono beam 23610, 23615, Tie Rod Adjuster Sleeves-pg. 71	14-18	RWD	N/A	N/A		■ 23800(*)/ 72509, 23780 82387(16)	23800(*)/ 72509, 23780	72,72 165,159 116	
Ram 3500 w/o mono beam 23610, 23615, Tie Rod Adjuster Sleeves-pg. 71	13-18	RWD	N/A	N/A		■ OEMA	OEMA		
Ram 3500 23610, 23615, Tie Rod Adjuster Sleeves-pg. 71	14-18	4WD	N/A	N/A		■ 23800(*)/ 72509, 23780 82387(16)	23800(*)/ 72509, 23780	72,72 165,159 116	
Ram 3500 w/mono beam	10-13	RWD	N/A	N/A		■ 23800(*)/ 72509, 23780 82386(16)	23800(*)/ 72509, 23780	72,72 165,159 116	
Ram 3500 w/mono beam	03-09	RWD	N/A	N/A		■ 23800(*)/ 72509, 23780 82385(16)	23800(*)/ 72509, 23780	72,72 165,159 116	
Ram 3500 w/o mono beam	03-12	RWD	N/A	N/A		■ OEMA	OEMA		
Ram 3500	10-13	4WD	N/A	N/A		■ 23800(*)/ 72509, 23780 82386(16)	23800(*)/ 72509, 23780	72,72 165,159	
Ram 3500	03-09	4WD	N/A	N/A		■ 23800(*)/ 72509, 23780 82385(16)	23800(*)/ 72509, 23780	72,72 165,159 116	
Ram 3500 w/mono beam	00-02	RWD	N/A	N/A		■ 23710(*)/ 72509, 23780 82385(16)	23710(*)/ 72509, 23780	71,71 165,159 116	
Ram 3500	00-02	4WD	N/A	N/A		■ 23710(*)/ 72509, 23780 82385(16)	23710(*)/ 72509, 23780	71,71 165,159 116	
Ram 3500 w/mono beam	94-99	RWD	N/A	N/A		■ 23130(*)/ 88830, 77880 24130/74500 82395(16)	23130(*)/ 88830, 77880 24130/74500	69,69 171,168 73/167 116	
Ram 3500 w/mono beam	94-99	4WD	N/A	N/A		■ 23130(*)/ 88830, 77880 24130/74500 82395(16)	23130(*)/ 88830, 77880 24130/74500	69,69 171,168 73/167 116	
Ram 3500 w/o mono beam	94-02	RWD	N/A	N/A		■ OEMA/8286	OEMA/8286	159,159	
Ram 4500 / 5500	08-18	RWD/4WD	N/A	N/A		■ N/A	23850(*)/88360	72/171	
Ramcharger AD150	90-96	RWD	N/A	N/A		■ OEMA/8286	OEMA/8286	159,159	
Ramcharger	74-87	RWD	N/A	N/A		OEMA 83160	OEMA 83160	117,117	
Ramcharger	74-87	4WD	N/A	N/A		23000(*)/4169	23000(*)/4169	68/159	
Ramcharger AD150	72-89	RWD	N/A	N/A		■ OEMA, 83160	OEMA 83160	117,117	
Rampage	82-84	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/85130	117/169	
Shadow	87-94	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/85130	117/169	
Spirit	89-96	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/85130	117/169	
Sprinter 2500	07-09	RWD	N/A	N/A		■ N/A	35077	78	
Sprinter 2500	03-06	RWD	N/A	N/A		■ N/A	35075, 35076	78,78	

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DODGE/RAM-cont.

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
Sprinter 3500	07-09	RWD	N/A	N/A		N/A	35077	78	
Sprinter 3500	03-06	RWD	N/A	N/A		N/A	35075, 35076	78,78	
Stealth	91-96	FWD/AWD	OEMA	OEMA		N/A	OEMA		
Stratus 4Dr.	04-06	FWD	67025	OEMA	81	N/A	67180/40920	86/161	
Stratus 2Dr.	01-05	FWD	73400+73415(7) 73600, 73620(8)	OEMA	108,108 108,108	N/A	81280 82120/85130	110 114/169	
Stratus 4Dr.	95-03	FWD	OEMA	OEMA		N/A	67180/40920	86/161	
Viper	13-17	RWD	OEMA	OEMA		OEMA	OEMA		
Viper	94-10	RWD	OEMA	OEMA		OEMA	OEMA		
W100 W150 AW150 Truck	72-93	4WD	N/A	N/A		■ 23000(*)/4169	23000(*)/4169	68/159	
W200 W250 Truck w/ Dana 44	72-93	4WD	N/A	N/A		■ 23000(*)/4169	23000(*)/4169	68/159	
W200 W250 Truck w/ Dana 60	72-93	4WD	N/A	N/A		■ 88940	88940	126,126	
W300 W350 Truck w/ Dana 60	75-93	4WD	N/A	N/A		■ Axle Wedges 88940	88940	126	
W300 W350 Truck	60-93	4WD	N/A	N/A		■ Axle Wedges	N/A		

EAGLE

Medallion	88-89	FWD	75200(1)	75200(1)	109,109	N/A	81280 82120/85130	110 114/169
Premier	88-92	FWD	75200(1)	75200(1)	109,109	N/A	81280 82120/85130	110 114/169
Summit SW	92-96	FWD/AWD	N/A	OEMA		N/A	81250	110
Summit	89-96	FWD	N/A	N/A		N/A	81250	110
Talon	95-98	FWD/AWD	73400+73415(7) 73600, 73620(8)	OEMA	108,108 108,108	N/A	67170/40920 67370(8)/40920	WB/161 WB/161
Talon	90-94	AWD	OEMA	OEMA		N/A	81250	110
Talon	90-94	FWD	N/A	N/A		N/A	81250	110
Vision	93-97	FWD	67020	OEMA	WB	N/A	81280 82120/85130	110 114/169

FIAT

124 Spider	17-18	RWD	OEMA	OEMA		OEMA	OEMA	
500	12-18	FWD	71770(*)	71770(*)	98,98	N/A	81240	110
500x	16-18	FWD/AWD	81250	N/A	110	N/A	81250	110
500L	14-18	FWD	N/A	N/A		N/A	81250	110

FORD

Aerostar	86-97	RWD/4WD	N/A	N/A		47700(*)	47700(*)	78,78
Aspire	95-97	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 81250	110
Bronco	80-96	4WD	N/A	N/A		■ 23100(*)/ 77880, 88830 24130/74500	23100(*)/ 77880, 88830 24130/74500	68,68 168,171 73/167
Bronco	71-79	4WD	N/A	N/A		■ 23000(*)/4169	23000(*)/4169	68/159
Bronco II Dana 35 (Late 1990)	90-90	4WD	N/A	N/A		■ 23180(*)/87175 77880, 88830 24180/ 74400, 74500	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73,73 167,167
Bronco II	89-90	RWD	N/A	N/A		■ 23180(*)/87175 77880, 88830 24180/ 74400, 74500	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73,73 167,167
Bronco II	84-88	RWD	N/A	N/A		■ N/A	24160/74400	73/167
Bronco II Dana 28 (Early 1990)	83-90	4WD	N/A	N/A		■ 24120/74500	24120/74500	3/167
C-Max	13-18	FWD	67420	OEMA	87	N/A	N/A	
Contour	95-00	FWD	N/A	OEMA		89675	89675	WB,WB
Crown Victoria	03-12	RWD	N/A	N/A		OEMA	OEMA 87365/85130, 02099	124/169,178
Crown Victoria	92-02	RWD	N/A	N/A		OEMA	OEMA/88325	171
Crown Victoria	80-91	RWD	N/A	N/A		OEMA	OEMA	

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FORD-cont.			REAR			FRONT			
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
E-150	92-18	RWD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73,73 167,167 123
E-150 w/king pins	65-90	RWD	N/A	N/A		■	N/A	N/A	
E-250 E-350 E-450	92-18	RWD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73 167,167 123
E-250 E-350 E-450 w/king pins	65-90	RWD	N/A	N/A		■	N/A	N/A	
EcoSport	18-18	FWD/AWD	N/A	OEMA			N/A	81250	110
Edge	07-18	FWD/AWD	OEMA	OEMA			N/A	81280	110
Escape Inc. Hybrid	13-18	FWD/AWD	67420	OEMA	87		N/A	OEMA	
Escape Inc. Hybrid	01-12	FWD/AWD	67285/37995	OEMA	84/160		OEMA	OEMA 81250	110
Escort	97-04	FWD	81250	OEMA	110		OEMA	OEMA 81250	110
Escort	91-96	FWD	81250	OEMA 67070	110 WB		OEMA	OEMA 81250	110
Escort	81-90	FWD	81250	OEMA	110		N/A	N/A	
Excursion	00-05	RWD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73 167,167
Excursion	00-05	4WD	N/A	N/A		■	23130(*)/87175 77880, 88830 24130/74500	23130(*)/87175 77880, 88830 24130/74500	69/170 168,171 73/167
Expedition	18-18	RWD/4WD	OEMA	OEMA			N/A	N/A	
Expedition	07-17	RWD/4WD	OEMA	OEMA			OEMA 86250 86252	OEMA 86250 86252	119,119 119,119
Expedition	03-06	RWD/4WD	86680	OEMA	123		86640/83820	86640/83820	123/169
Expedition	97-02	RWD/4WD	N/A	N/A		■	87385	87385	124,124
Explorer	11-18	RWD/4WD	OEMA 84130	OEMA	118		N/A	81280	110
Explorer Sport Trac	07-10	RWD/4WD	OEMA	OEMA			OEMA	OEMA	
Explorer	06-10	RWD/4WD	OEMA	OEMA			OEMA	OEMA	
Explorer	04-05	4WD	86180	OEMA	119		86140	86140	119,119
Explorer 2 door 'Sport'	02-03	RWD/4WD	N/A	N/A		■	87310 87500	87310 87500	123,123 125,125
Explorer	02-03	4WD	86180	OEMA	119		86140	26012, 26014 86140	119,77,77 119
Explorer	02-05	RWD	86180	OEMA	119		86140	86140	119,119
Explorer	01-01	RWD	N/A	N/A		■	87310 87500	87310 87500	123,123 125,125
Explorer	01-01	4WD	N/A	N/A		■	87310 87500	26012, 26014 87310 87500	123,77,77 125,123 125
Explorer Sport Trac	01-05	RWD	N/A	N/A		■	87310 87500	87310 87500	123,123 125,125
Explorer Sport Trac	01-05	4WD	N/A	N/A		■	87310 87500	26012, 26014 87310 87500	123,77,77 125,123 125
Explorer	95-00	RWD/4WD	N/A	N/A		■	87310 87500	87310 87500	123,123 125,125

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Explorer	91-94	RWD/4WD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73 167,167
EXP	82-88	FWD	81250	OEMA	110		N/A	N/A	
F-100 w/ ball joint suspension	80-83	RWD/4WD	N/A	N/A		■	N/A	24160/74400	73/167
F-100	66-79	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	68/159
F-100 w/ king pin suspension	65-83	RWD	N/A	N/A		■	N/A	N/A	
F-150 Except Raptor	04-18	RWD/4WD	86255(19)	N/A	120		OEMA 25680 86250 86252	OEMA 25680 86250 86252	76,76 119,119 119,119
F-150 Raptor	17-18	4WD	N/A	N/A			OEMA 86250	OEMA 86250	119,119
F-150 Raptor	10-14	4WD	86255(19)	N/A	120		OEMA 86250 86252	OEMA 86250 86252	119,119 119,119
F-150 Heritage	04-05	RWD/4WD	N/A	N/A		■	87385	87385	124,124
F-150	97-03	RWD/4WD	N/A	N/A		■	87385	87385	124,124
F-150	87-96	RWD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73,73 167,167 123
F-150	80-96	4WD	N/A	N/A		■	23100(*)/ 77880, 88830 24130/74500	23100(*)/ 77880, 88830 24130/74500	68,68 168,171 73/167
F-150	82-86	RWD	N/A	N/A		■	N/A	24160/74400	73/167
F-150	66-79	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	68/159
F-150 King Pin	65-90	RWD	N/A	N/A		■	N/A	N/A	
F-250 Solid Axle - Coil Spring	05-18	RWD/4WD	N/A	N/A		■	23220(*) 23268, 23269 24220/74600	23220(*) 23268, 23269 24220/74600	70,70 70,70 73/167
F-250 Solid Axle - Leaf Spring	99-04	RWD/4WD	N/A	N/A		■	23130(*)/ 77880, 88830 24130/74500	23130(*)/ 77880, 88830 24130/74500	69,69 168,171 73/167
F-250 Twin I-Beam	98-18	RWD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73,73 167,167
F-250 L/D	97-99	RWD/4WD	N/A	N/A		■	87385	87385	124,124
F-250	87-98	RWD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73,73 167,167 123
F-250	82-86	RWD	N/A	N/A		■	N/A	N/A	
F-250	80-98	4WD	N/A	N/A		■	23100(*)/ 77880, 88830 24130/74500	23100(*)/ 77880, 88830 24130/74500	68,68 168,171 73/167
F-250 Dana 60	74-79	4WD	N/A	N/A		■	88940	88940	126,126
F-250	73-79	4WD	N/A	N/A		■	Axle Wedges 23000(*)/4169	23000(*)/4169	68/159 68/159
F-250 King Pin	65-90	RWD	N/A	N/A		■	N/A	N/A	
F-350 Solid Axle - Coil Spring	05-18	RWD/4WD	N/A	N/A		■	23220(*) 23268, 23269 24220/74600	23220(*) 23268, 23269 24220/74600	70,70 70,70 73/167
F-350 Solid Axle - Leaf Spring	99-04	RWD/4WD	N/A	N/A		■	23130(*)/ 77880, 88830 24130/74500	23130(*)/ 77880, 88830 24130/74500	69,69 168,171 73/167

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F-350 Twin I-Beam	98-18	RWD	N/A	N/A		■ 23180(*)/87175 77880, 88830 24180/ 74400, 74500	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73,73 167,167	
F-350 Crew Cab	92-98	4WD	N/A	N/A		■ 23130(*) 77880, 88830 24130/74500 87275	23130(*) 77880, 88830 24130/74500	69,69 168,171 73/167 WB	
F-350	87-98	RWD	N/A	N/A		■ 23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 69/170 73,73 167,167 123	
F-350	82-86	RWD	N/A	N/A		■ N/A	N/A		
F-350	80-98	4WD	N/A	N/A		■ 23100(*)/ 77880, 88830 24130/74500	23100(*)/ 77880, 88830 24130/74500	68,68 168,171 73/167	
F-350 Dana 60	74-91	4WD	N/A	N/A		■ 88940	88940	126,126	
F-350	73-79	4WD	N/A	N/A		■ Axle Wedges	N/A		
F-350 King Pin	65-90	RWD	N/A	N/A		■ N/A	N/A		
F-450 w/ 10 lug axles	05-18	RWD/4WD	N/A	N/A		■ 23230(*) 24230/74600	23230(*) 24230/74600	70,70 73/167	
F-450 w/ 8 lug axles	05-18	RWD/4WD	N/A	N/A		■ 23220(*) 23268, 23269 24220/74600	23220(*) 23268, 23269 24220/74600	70,70 70,70 73/167	
F-450	99-04	RWD/4WD	N/A	N/A		■ 23130(*)/ 77880, 88830 24130/74500	23130(*)/ 77880, 88830 24130/74500	69,69 168,171 73/167	
F-550	05-18	RWD/4WD	N/A	N/A		■ 23230(*) 24230/74600	23230(*) 24230/74600	70,70 73/167	
F-550	99-04	RWD/4WD	N/A	N/A		■ 23130(*)/ 77880, 88830 24130/74500	23130(*)/ 77880, 88830 24130/74500	69,69 168,171 73/167	
Fairlane 94009, upper ball joint-pg. 127	66-69	RWD	N/A	N/A		OEMA 94210	OEMA 83160 94210	128,117 128	
Fairmont	78-83	RWD	N/A	N/A		N/A	OEMA 81280 82120/85130	110 114/169	
Falcon 94009, upper ball joint-pg. 127	66-69	RWD	N/A	N/A		OEMA 94210	OEMA 83160 94210	128,117 128	
Falcon	64-65	RWD	N/A	N/A		47700(*) 94215, 94220	47700(*) 94215	78,78 128,128	
Falcon	60-63	RWD	N/A	N/A		47700(*)	47700(*)	78,78	
Festiva	88-94	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 81250	110	
Fiesta	11-18	FWD	N/A	N/A		N/A	81250	110	
Fiesta	78-80	FWD	N/A	N/A		N/A	N/A		
Five Hundred	05-07	AWD	67690	OEMA	94	N/A	OEMA		
Five Hundred	05-07	FWD	71760(*)	OEMA	97	N/A	OEMA		
Flex	13-18	FWD/AWD	OEMA 84130	OEMA	118	N/A	81280	110	
Flex	09-12	FWD/AWD	OEMA 84130	OEMA	118	N/A	OEMA		
Focus Incl ST/RS	12-18	FWD/AWD	67420	OEMA	87	N/A	N/A		
Focus Incl SVT	00-11	FWD	67420 81310	OEMA	87 111	81320	81320	110	

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FORD-cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Freestar	04-07	FWD	N/A	N/A		OEMA	OEMA 89685	126	
Freestyle	05-07	AWD	67690	OEMA	94	N/A	OEMA		
Freestyle	05-07	FWD	71760(*)	OEMA	97	N/A	OEMA		
Fusion Inc. Hybrid	13-18	AWD	N/A	OEMA		N/A	81280	110	
Fusion Inc. Hybrid	13-18	FWD	67680	OEMA	91	N/A	81280	110	
Fusion Inc. Hybrid	06-12	FWD/AWD	OEMA 67425	OEMA	87	N/A	67115/ 40920	83/161	
Granada	81-82	RWD	N/A	N/A		N/A	OEMA 81280 82120/ 85130	110 114/ 169	
Granada	75-80	RWD	N/A	N/A		OEMA	OEMA 83160	117	
LTD	83-86	RWD	N/A	N/A		N/A	OEMA 81280 82120/ 85130	110 114/ 169	
Maverick <i>94009, upper ball joint-pg. 127</i>	70-77	RWD	N/A	N/A		OEMA 94210	OEMA 83160 94210	128,117 128	
Mustang	15-18	RWD	OEMA	OEMA		N/A	81280	110	
Mustang	11-14	RWD	N/A	72045 72345	99 105	72350 72355	72350 81260	105,105 105,110	
Mustang	05-10	RWD	N/A	72045 72345	99 105	72040 72350 72355	72040 72350 81260	99,99 105,105 105,110	
Mustang Cobra	99-04	RWD	OEMA	OEMA		OEMA/ 85130 72060	OEMA 72060 81280 82120/ 85130	169 100,100 110 114/ 169	
Mustang	94-04	RWD	N/A	N/A		72060	OEMA 72060 81280 82120/ 85130	100 100 110 114/ 169	
Mustang	79-93	RWD	N/A	N/A		N/A	OEMA 81280 82120/ 85130	110 114/ 169	
Mustang II	74-78	RWD	N/A	N/A		OEMA 94000 94800	OEMA 94000 (w/coilovers) 94800 (stock/air susp)	127,127 127,127	
Mustang <i>94009, upper ball joint-pg. 127</i>	67-73	RWD	N/A	N/A		OEMA 94210	OEMA 83160 94210	128,117 128	
Mustang <i>94009, upper ball joint-pg. 127</i>	64-66	RWD	N/A	N/A		47700(*) 94215 94220	47700(*) 94215	78,78 128,128 128	
Probe	89-97	FWD	81250	OEMA	110	OEMA	OEMA 81250	110	
Ranchero <i>94009, upper ball joint-pg. 127</i>	66-71	RWD	N/A	N/A		OEMA 94210	OEMA 83160 94210	128,117 128	
Ranchero <i>94009, upper ball joint-pg. 127</i>	64-65	RWD	N/A	N/A		47700(*) 94215 94220	47700(*) 94215	78,78 128,128 128	
Ranger	03-11	RWD	N/A	N/A		87500	87500	125,125	
Ranger	03-11	4WD	N/A	N/A		87500	26012, 26014 87500	125,77,77 125	
Ranger	01-02	RWD/4WD	N/A	N/A		87500	87500	125,125	
Ranger	98-00	RWD/4WD	N/A	N/A		87310 87500	87310 87500	123,123 125,125	
Ranger Dana 35 Twin I-Beam	90-97	4WD	N/A	N/A		23180(*)/ 87175 77880, 88830 24180/ 74400, 74500	23180(*)/ 87175 77880, 88830 24180/ 74400, 74500	69/ 170 168,171 73,73 167,167	

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Ranger Twin I-Beam	89-97	RWD	N/A	N/A		■ 23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73,73 167,167 123	
Ranger	83-88	RWD	N/A	N/A		■ 87275	24160/74400	WB,73,167	
Ranger	83-89	4WD	N/A	N/A		■ 24120/74500	24120/74500	73,167	
Taurus	13-18	FWD/AWD	OEMA 84130	OEMA	118	N/A	N/A		
Taurus	10-12	FWD/AWD	OEMA 84130	OEMA	118	N/A	OEMA		
Taurus & Taurus X	08-09	AWD	67690	OEMA	94	N/A	OEMA		
Taurus & Taurus X	08-09	FWD	71760(*)	OEMA	97	N/A	OEMA		
Taurus Wagon	96-05	FWD	87350/85130	OEMA/ 97650	124/169 171	OEMA	OEMA 89635	126	
Taurus Sedan <i>87325 Intended for use on OE NOT intended for aftermarket</i>	86-07	FWD <i>adjusters - parts</i>	87330/ 87320, 8370	OEMA/87325 87330/ 8370, 87320	123/170 170/123 159,170	OEMA	OEMA 89635 (96-07 Only)	126	
Taurus Wagon	86-95	FWD	87350/85130	OEMA/ 97650	124/169 171	OEMA	OEMA		
Tempo	86-94	FWD/AWD	81250	OEMA/87325	110/170	N/A	N/A		
Tempo	84-85	FWD	81250	N/A	110	N/A	N/A		
Thunderbird	02-06	RWD	N/A	OEMA		OEMA 87540	OEMA 87540	125,125	
Thunderbird	89-97	RWD	OEMA	OEMA		OEMA	OEMA 87535	125	
Thunderbird	80-88	RWD	N/A	N/A		N/A	OEMA 81280 82120/85130	110 114/169	
Thunderbird	64-66	RWD	N/A	N/A		47700(*)	47700(*)	78,78	
Torino <i>94009, upper ball joint-pg. 127</i>	66-71	RWD	N/A	N/A		OEMA 94210	OEMA 83160 94210	128,117 128	
Transit	15-18	RWD	N/A	N/A		OEMA	OEMA		
Transit Connect	14-18	FWD	N/A	N/A		N/A	N/A		
Transit Connect	10-13	FWD	N/A	N/A		81320	81320	111,111	
Windstar	94-03	FWD	75400(1)	75400(1)	109,109	OEMA	OEMA 89685	126	
FREIGHTLINER									
<i>See our Heavy Duty</i>		<i>Section</i>	<i>pages 134-144</i>						
Sprinter 2500	07-18	RWD	N/A	N/A		■ N/A	35077	78	
Sprinter 2500	02-05	RWD	N/A	N/A		■ N/A	35075, 35076	78,78	
Sprinter 3500	07-18	RWD	N/A	N/A		N/A	35077	78	
Sprinter 3500	02-05	RWD	N/A	N/A		N/A	35075, 35076	78,78	
GENESIS									
G80	17-18	RWD/AWD	OEMA	OEMA		N/A	N/A		
G90	17-18	RWD/AWD	OEMA	OEMA		N/A	N/A		
GEO									
Metro	89-97	FWD	N/A	OEMA		N/A	81250	110	
Prizm	89-97	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109	N/A	OEMA 81260	110	
Spectrum	89-90	FWD	75200(1)	75200(1)	109,109	N/A	81250	110	
Storm	90-93	FWD	81250	OEMA	110	N/A	81250	110	
Tracker	89-97	RWD/4WD	N/A	N/A		N/A	81250	110	

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1500 2500 3500 (1999/2000 'Classic' only)	88-00	RWD/4WD	N/A	N/A		■	OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910 86350(2)/ 72509	118/ 167 124/ 167 121/ 165			
4500 5500 Topkick	03-09	RWD	N/A	N/A			Axle Wedges	N/A				
4500 5500 Topkick	03-09	4WD	N/A	N/A			Axle Wedges 23230(*)	23230(*) 24230/ 74600 24230/ 74600	70 70,73/ 167 73/ 167			
Acadia Limited	17-17	FWD/AWD	OEMA 82105, 82106	OEMA 82105, 82106	114,114		N/A	81280	110			
Acadia	17-18	FWD/AWD	OEMA	OEMA			N/A	81250	110			
Acadia	07-16	FWD/AWD	OEMA 82105, 82106	OEMA 82105, 82106	114,114		N/A	81280	110			
Canyon	15-18	RWD/4WD	N/A	N/A			OEMA 86490 86321, 86326 86376	OEMA 86490 86321, 86326 86376	122,122 120,120 121,121			
Canyon 45940 for use on OEM style cams only	04-12	RWD/4WD	N/A	N/A		■	OEMA/ 45940 45938 86320, 86325 86360 86375	OEMA/ 45940 45938 86320, 86325 86360 86375	163,163 163,163 120,120 121,121 121,121			
C10 C20 C30 C1500 C2500 C3500 Pickup/Suburban	65-87	RWD	N/A	N/A		■	47700(*)	47700(*)	78,78			
Envoy	02-09	RWD/4WD	N/A	N/A			OEMA/ 83785	OEMA/ 83785	169,169			
G10 G20 G30 Van	71-96	RWD	N/A	N/A			47700(*)	47700(*)	78,78			
Jimmy Full Size	88-91	RWD/4WD	N/A	N/A		■	OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910 86350(2)/ 72509	118/ 167 124/ 167 121/ 165			
Jimmy 94006, upper ball joint-pg. 127	82-04	RWD	N/A	N/A			47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131			
Jimmy S-15	82-04	4WD	N/A	N/A			OEMA 83710	OEMA 83710	117,117			
Jimmy C5	69-91	RWD	N/A	N/A		■	47700(*)	47700(*)	78,78			
Jimmy K5	69-91	4WD	N/A	N/A		■	23000(*)/ 4169	23000(*)/ 4169	68/ 159			
K10 K15 K20 K25 Pickup/Suburban	70-87	4WD	N/A	N/A		■	23000(*)/ 4169	23000(*)/ 4169	68/ 159			
K30 K35	58-87	4WD	N/A	N/A		■	Axle Wedges	23000(*)/ 4169	68/ 159			
K30 V30 Dana 60	88-93	4WD	N/A	N/A		■	Axle Wedges 88940	88940	126 126			
Safari Full Size	90-05	AWD	N/A	N/A		■	OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910	118/ 167 124/ 167			
Safari	85-05	RWD	N/A	N/A			47700(*)	47700(*)	78,78			
Savana Van 45940 for use on OEM style cams only	03-18	RWD/4WD	N/A	N/A		■	OEMA/ 45940 86320, 86325 86370, 86375	OEMA/ 45940 86320, 86325 86370, 86375 86350/ 72509	163,163 120,120 121,121 121/ 165			
Savana Van	96-02	RWD	N/A	N/A			OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910	118/ 167 124/ 167			
Sierra 1500 45940 for use on OEM style cams only	99-18	RWD/4WD	N/A	N/A		■	OEMA/ 45940 86320, 86325 86375 86470 (thru '06)	OEMA/ 45940 86320, 86325 86375, 86470 (thru '06) 86350/ 72509	163,163 120,120 121,122 122,121/ 165			
Sierra 1500 HD Crew Cab 45940 for use on OEM style cams only	01-06	RWD/4WD	N/A	N/A		■	OEMA/ 45940 23960/ 72509 86320, 86325 86375	OEMA/ 45940 23960/ 72509 86320, 86325 86375 86330/ 72509	163,163 74/ 165 120,120 121,121 121/ 165			

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Sierra 2500	11-18	RWD/4WD	N/A	N/A		■ OEMA 86321, 86326 86376	OEMA 86321, 86326 86376	120,120 121,121	
Sierra 2500 <i>45940 for use on OEM style cams only</i>	99-10	RWD/4WD	N/A	N/A		■ OEMA/ 45940 23960/ 72509 86320, 86325 86375	OEMA/ 45940 23960/ 72509 86320, 86325 86375 86330/ 72509	163,163 74/ 165 120,120 121,121 121/ 165	
Sierra 2500 HD RWD Cab/Chassis	91-02	RWD	N/A	N/A		■ Axles Wedges	N/A		
Sierra 3500	11-18	RWD/4WD	N/A	N/A		OEMA 86321, 86326 86376	OEMA 86321, 86326	120,120 121	
Sierra 3500 <i>45940 for use on OEM style cams only</i>	99-10	RWD/4WD	N/A	N/A		■ OEMA/ 45940 23960/ 72509 86320, 86325 86375	OEMA/ 45940 23960/ 72509 86320, 86325 86375 86330/ 72509	163,163 74/ 165 120,120 121,121 121/ 165	
Sierra 3500 HD RWD Cab/Chassis	91-02	RWD	N/A	N/A		Axles Wedges	N/A		
Sonoma <i>94006, upper ball joint-pg. 127</i>	82-04	RWD	N/A	N/A		47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131	
Sonoma	82-04	4WD	N/A	N/A		OEMA 83710	OEMA 83710	117,117	
Suburban 1500 <i>45940 for use on OEM style cams only</i>	00-13	RWD/4WD	N/A	N/A		OEMA/ 45940 86320, 86325 86370, 86375	OEMA/ 45940 86320, 86325 86370, 86375 86350/ 72509	163,163 120,120 121,121 121/ 165	
Suburban 2500 <i>45940 for use on OEM style cams only</i>	00-13	RWD/4WD	N/A	N/A		■ OEMA/ 45940 23960/ 72509 86320, 86325 86375	OEMA/ 45940 23960/ 72509 86320, 86325 86375 86330/ 72509	163,163 74/ 165 120,120 121,121 121/ 165	
Suburban Full Size	92-99	RWD/4WD	N/A	N/A		OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910 86350(2)/ 72509	118/ 167 118/ 167 121/ 165	
Suburban	69-91	4WD	N/A	N/A		23000(*)/ 4169	23000(*)/ 4169	68/ 159	
Suburban	65-91	RWD	N/A	N/A		■ 47700(*)	47700(*)	78,78	
Terrain	18-18	FWD/AWD	OEMA	OEMA		N/A	81250	110	
Terrain	05-17	FWD/AWD	OEMA 87420	OEMA 87420	124,124	N/A	81260	110	
Tracker	98-04	4WD	N/A	N/A		N/A	81250	110	
V30 V35 Dana 60	88-93	4WD	N/A	N/A		Axle Wedges 88940	88940	126 126	
Yukon 1500 inc. XL <i>45940 for use on OEM style cams only</i>	00-18	RWD/4WD	N/A	N/A		OEMA/ 45940 86320, 86325 86375 86370 (thru '06)	OEMA/ 45940 86320, 86325 86375 86350/ 72509	163,163 120,120 121,121 121,121/ 165	
Yukon 2500 inc. XL <i>45940 for use on OEM style cams only</i>	00-14	RWD/4WD	N/A	N/A		■ OEMA/ 45940 23960/ 72509 86320, 86325 86375	OEMA/ 45940 23960/ 72509 86320, 86325 86375 86330/ 72509	163,163 74/ 165 120,120 121,121 121/ 165	
Yukon Full Size	92-99	RWD/4WD	N/A	N/A		OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910 86350(2)/ 72509	118/ 167 118/ 167 121/ 165	

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Accord	18-18	FWD	67476	OEMA	88		N/A	67381, 67382	86,86
Accord 67550 or 67555 must be used with 67540	13-17	FWD	67540 67545(12)	OEMA 67540 67550 67555	91 91,91 91 91		N/A	OEMA	
Accord Crosstour 67550 or 67555 must be used with 67540	10-15	FWD/AWD	67540 67545(12)	OEMA 67540 67550 67555	91 91,91 91 91		N/A	67135/40920 67330(8)/ 40920	83/ 161 86/ 161
Accord 67550 or 67555 must be used with 67540	08-12	FWD	67540 67545(12)	OEMA 67540 67550 67555	91 91,91 91 91		N/A	67135/40920 67330(8)/ 40920	83/ 161 86/ 161
Accord	03-07	FWD	67289/ 37995 67290/ 37995	OEMA 67289/ 37995 67291, 67292 67293, 67295	85/ 160 85,85/ 160 85,85 85,85		N/A	67135/40920 67330(8)/ 40920	83/ 161 86/ 161
Accord	98-02	FWD	67090/ 37995	OEMA 67295	82/ 160 85		84690, 84695	67125/40920 67320(8)/ 40920	118,83/ 161 86/ 161
Accord	90-97	FWD	67065/37995 67265(8)/ 37995	OEMA	81/ 160 84/ 160		84690, 84695	67145/40920 67340(8)/ 40920	118,83/ 161 86/ 161
Accord	86-89	FWD	67395/ 37995	OEMA	WB/ 160		OEMA	N/A	
Accord	80-85	FWD	N/A	OEMA			N/A	N/A	
Civic Type R	17-18	FWD	67476	OEMA	88		N/A	N/A	
Civic Incl. Si	16-18	FWD	67467 67476	OEMA	88 88		N/A	67381, 67382	86,86
Civic Except Si	12-15	FWD	67465/ 75980, 72509 67466 67475	OEMA/ 87560	87/ 167,165 88/ 170 88		N/A	81260	110
Civic Si	12-15	FWD	67465/ 75980, 72509 67466 67475	OEMA/ 87560	87/ 167,165 88/ 170 88		N/A	81280	110
Civic	06-11	FWD	67465/ 75980, 72509 67466 67475	OEMA/ 87560	87/ 167,165 88/ 170 88		N/A	81260	110
Civic	03-05	FWD	67230 69300(22)/ 69330(14)	OEMA	84 95/ 164		N/A	81280	110
Civic	01-02	FWD	67230 69300(22)/ 69330(14)	OEMA	84 95/ 164		N/A	81260	110
Civic 65100, rear trailing arm bushing extractor-pg.163	96-00	FWD	67030 69100(22)	OEMA 69250 69450	81 WB/WB 96		62010	62010 67135/40920 67330(8)/ 40920	WB,WB 83/ 161 86/ 161
Civic 65100, rear trailing arm bushing extractor-pg.163	92-95	FWD	67030 69100(22)	OEMA 69250 69450	81 WB/WB 96		N/A	67135/40920 67330(8)/ 40920	83/ 161 86/ 161
Civic 65100, rear trailing arm bushing extractor-pg.163	88-91	FWD	67030 69100(22)	OEMA 69250 69450	81 WB/WB 96		N/A	67125/40920 67320(8)/ 40920	83/ 161 86/ 161
Civic 65100, rear trailing arm bushing extractor-pg.163	88-91	FWD	67030 69100(22)	OEMA	81 WB		N/A	67125/40920 67320(8)/ 40920	83/ 161 86/ 161
Civic	80-87	FWD	N/A	N/A			N/A	N/A	
Civic del Sol 65100, rear trailing arm bushing extractor-pg.163	92-97	FWD	67030 69100(22)	OEMA 69250 69450	81 WB/WB 96		N/A	67135/40920 67330(8)/ 40920	83/ 161 86/ 161
Clarity	17-18	FWD	N/A	OEMA			N/A	N/A	
Crosstour 67550 or 67555 must be used with 67540	10-15	FWD/AWD	67540 67545(12)	OEMA 67540 67550 67555	91 91,91 91 91		N/A	67135/40920 67330(8)/ 40920	83/ 161 86/ 161
CR-V	17-18	FWD/AWD	67476	OEMA	88		N/A	67381, 67382	86,86
CR-V	07-16	FWD/AWD	67580	OEMA/ 87560	91/ 170		N/A	81280	110

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CR-V	02-06	FWD/AWD	67430 69400(22)/69330(14)	OEMA	87 95/164	N/A	81280	110	
CR-V	97-01	FWD/AWD	67030	OEMA 69250 69450	81 WB 95	N/A	67135/40920 67330(8)/40920	83/161 86/161	
CR-Z	11-16	FWD	N/A	N/A		N/A	81260	110	
CRX 65100, rear trailing arm bushing extractor-pg.163	88-92	FWD	67030 69100(22)	OEMA 69250 69450	81 WB,WB 95	N/A	67125/40920 67320(8)/40920	83/161 86/161	
CRX	84-87	FWD	N/A	N/A		N/A	N/A		
Element	03-11	FWD/AWD	67430 69400(22)/69330(14)	OEMA/87560	87/170 95/164	N/A	81280	110	
Fit	15-18	FWD	71790(*)	71790(*)	98,98	N/A	81260	110	
Fit	09-14	FWD	N/A	N/A		N/A	81260	110	
Fit	06-08	FWD	75600 75800	75600 75800	109,109 109,109	N/A	81260	110	
HR-V	16-18	FWD/AWD	N/A	N/A		N/A	81280	110	
Insight	10-14	FWD	N/A	N/A		N/A	81260	110	
Insight	01-06	FWD	N/A	N/A		N/A	81260	110	
Odyssey	18-18	FWD	N/A	OEMA		N/A	N/A		
Odyssey	05-17	FWD	67590/37995	OEMA	91/160	N/A	81280	110	
Odyssey	99-04	FWD	67290/37995	OEMA	85/160	N/A	81280	110	
Odyssey	95-98	FWD	67155/40920	OEMA	WB/161	OEMA 84690, 84695	67125/40920 67320(8)/40920	83/161 118,86/161	
Passport	94-02	FWD/AWD	N/A	N/A		47700(*)	47700(*)	78,78	
Pilot	16-18	FWD/AWD	23450/ 37995,72509	OEMA	71 160, 165	N/A	N/A		
Pilot	09-15	FWD/AWD	67570/37995	OEMA	91/160	N/A	81295	110	
Pilot	03-08	FWD/AWD	67290/37995	OEMA	85/160	N/A	81280	110	
Prelude	97-02	FWD	67165/40920 67360(8)/40920	OEMA	83/161 86/161	N/A	67135/40920 67330(8)/40920	83/161 86/161	
Prelude SH	97-02	FWD	67165/40920 67360(8)/40920	OEMA	83/161 86/161	N/A	67155/40920 67350(8)/40920	WB/161 WB/161	
Prelude 4WS	92-94	FWD	OEMA	OEMA		OEMA	67165/40920 67360(8)/40920	83/161 86/161	
Prelude	92-96	FWD	67165/40920 67360(8)/40920	OEMA	83/161 86/161	N/A	67165/40920 67360(8)/40920	83/161 86/161	
Prelude 4WS	88-91	FWD	OEMA	OEMA		OEMA	OEMA		
Prelude	83-91	FWD	N/A	OEMA		OEMA	OEMA		
Prelude	79-82	FWD	N/A	N/A		OEMA	N/A		
Ridgeline	17-18	FWD/AWD	23450/ 37995,72509	OEMA	71 160, 165	N/A	N/A		
Ridgeline	06-14	AWD	67490/37995	OEMA	89/160	N/A	81295	110	
S2000	00-09	RWD	OEMA 67220(3)/40920	OEMA	83/161	OEMA	OEMA 67220/40920	83/161	

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HUMMER			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
H1	92-06	4WD	OEMA	OEMA		OEMA	OEMA		
H2	02-09	4WD	N/A	N/A		OEMA/ 45940 23960/ 72509 86320, 86325 86375	OEMA/ 45940 23960/ 72509 86320, 86325 86375 86330/ 72509	163,163 74/ 165 120,120 121,121 121/ 165	
H3/ H3T	06-10	4WD	N/A	N/A		OEMA/ 45940 45938 86320, 86325 86360 86375	OEMA/ 45940 45938 86320, 86325 86360 86375	163,163 163,163 120,120 121,121 121,121	
HYUNDAI									
Accent	18-18	FWD	N/A	N/A		N/A	81250	110	
Accent	12-17	FWD	N/A	71070(*)	96	N/A	81260	110	
Accent	06-11	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109	N/A	81250	110	
Accent	95-05	FWD	81250	OEMA	110	N/A	81250	110	
Azera	12-17	FWD	OEMA	OEMA		N/A	81280	110	
Azera from 10/31/2006	07-11	FWD	OEMA	OEMA		N/A	67195/ 40920	83/ 161	
Azera to 10/31/2006	06-06	FWD	OEMA	OEMA		N/A	67190/ 40920	83/ 161	
Elantra GT Sport	18-18	FWD	OEMA	OEMA		N/A	81260	110	
Elantra Touring	11-12	FWD	67410/ 85130	OEMA 67410/ 85130	86/ 169 86/ 169	N/A	81260	110	
Elantra	11-18	FWD	N/A	N/A		N/A	81260	110	
Elantra except GT Sport	07-10	FWD	67410/ 85130	OEMA 67410/ 85130	86/ 169 86/ 169	N/A	81260	110	
Elantra	97-06	FWD	81250	OEMA	110	N/A	81250	110	
Elantra	92-96	FWD	N/A	N/A		N/A	81250	110	
Entourage	07-09	FWD	84120	OEMA	110	N/A	81250	110	
Equus	14-16	RWD	OEMA	OEMA		N/A	N/A		
Equus	11-13	RWD	OEMA	OEMA		N/A	71930	98	
Excel	90-94	FWD	N/A	N/A		N/A	81250	110	
Excel	86-89	FWD	N/A	N/A		OEMA	81250	110	
Genesis Sedan	15-16	RWD/AWD	OEMA	OEMA		N/A	N/A		
Genesis Coupe	10-16	RWD	OEMA	OEMA		N/A	81260	110	
Genesis Sedan	09-14	RWD	OEMA	OEMA		N/A	71930	98	
Ioniq	17-18	FWD	N/A	N/A		N/A	N/A		
Kona	18-18	FWD/AWD	N/A	OEMA		N/A	81260	110	
Pony	83-87	RWD	N/A	N/A		OEMA	N/A		
Santa Fe	13-18	FWD/AWD	N/A	OEMA		N/A	81260	110	
Santa Fe	07-12	FWD/AWD	OEMA 84100	OEMA 84100	118,118	N/A	81260	110	
Santa Fe	03-06	FWD/AWD	OEMA 67493/ 85130 67495/ 37995, 85130	OEMA 67493/ 85130 67495/ 37995, 85130	89/ 169 90,90 160,169	N/A	81250	110	
Santa Fe	01-02	FWD/AWD	OEMA 67493/ 85130	OEMA 67493/ 85130	89/ 169	N/A	81250	110	
Scoupe	90-95	FWD	N/A	N/A		N/A	81250	110	
Sonata	18-18	FWD	OEMA	OEMA		N/A	81260	110	
Sonata	12-17	FWD	OEMA	OEMA		N/A	81280	110	
Sonata after 5-2011	11-11	FWD	OEMA	OEMA		N/A	81280	110	
Sonata before 5-2011	11-11	FWD	N/A	OEMA		N/A	81260	110	
Sonata after 9-21-2006	07-10	FWD	OEMA	OEMA		N/A	67195/ 40920	83/ 161	
Sonata before 9-21-2006	99-06	FWD	N/A	OEMA		N/A	67190/ 40920	83/ 161	
Sonata	95-98	FWD	OEMA	OEMA		N/A	81260	110	

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HYUNDAI-cont.			REAR			FRONT			
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Sonata	89-94	FWD	N/A	N/A			N/A	81260	110
Stellar	84-88	FWD	N/A	N/A			OEMA	N/A	
Tiburon	03-09	FWD	81250	OEMA	110		N/A	81260	110
Tiburon	97-02	FWD	81250	OEMA	110		OEMA	81250	110
Tucson	10-18	FWD/AWD	OEMA	OEMA			N/A	81260	110
Tucson	05-09	FWD/AWD	81260	OEMA	110		N/A	81260	110
Veloster	12-17	FWD	75600(1)	75600(1)	109,109		N/A	81260	110
Veracruz	07-12	AWD	OEMA 84100	OEMA 84100	118,118		N/A	81260	110
XG300	01-01	FWD	N/A	OEMA			N/A	67190/40920	83/161
XG350	02-05	FWD	N/A	OEMA			N/A	67190/40920	83/161
INFINITI									
EX35	08-12	RWD/AWD	OEMA	OEMA			72130 73005	72130 73005	101,101 107,107
EX37	13-13	RWD/AWD	OEMA	OEMA			N/A	N/A	
FX35	09-13	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	103/169 104/169 104/169		N/A	N/A	
FX35	03-08	RWD/AWD	OEMA 72265/85130	OEMA 72265/85130	104/169		N/A	81260	110
FX37	13-13	FWD/AWD	OEMA	OEMA			N/A	N/A	
FX45	03-08	RWD/AWD	OEMA 72265/85130	OEMA 72265/85130	104/169		N/A	81260	110
FX50	09-13	RWD/AWD	OEMA	OEMA			N/A	N/A	
G20	97-02	FWD	N/A	N/A			N/A	N/A	
G20	91-96	FWD	81250	OEMA	110		N/A	N/A	
G25	11-12	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	103/169 104/169 104/169		72130 73005	72130 73005	101,101 107,107
G35 Sedan	07-08	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	103/169 104/169 104/169		72130 73005	72130 73005	101,101 107,107
G35 Coupe w/ rear active steer	06-07	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	103/169 104/169 104/169		72123/8370 73000/8370	72123/8370 73000/8370	101/159 107/159
G35 Sedan	03-06	RWD/AWD	OEMA 72050/85130 22052/85130 72055/85130	OEMA 72050/85130 72052/85130 72055/85130	99/169 99/169 100/169		72123/8370 73000/8370	72123/8370 73000/8370	101/159 107/159
G35 Coupe w/o rear active steer	03-07	RWD/AWD	OEMA 72050/85130 22052/85130 72055/85130	OEMA 72050/85130 72052/85130 72055/85130	99/169 99/169 100/169		72123/8370 73000/8370	72123/8370 73000/8370	101/159 107/159
G37 Convertible	09-13	RWD/AWD	OEMA	OEMA			72130 73005	72130 73005	101,101 107,107
G37 Sedan	09-13	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	103/169 104/169 104/169		72130 73005	72130 73005	101,101 107,107
G37 Coupe	08-13	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	103/169 104/169 104/169		72130 73005	72130 73005	101,101 107,107

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INFINTI-cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
I30	95-01	FWD	N/A	N/A		N/A	81260	110	
I35	02-05	FWD	N/A	N/A		N/A	81260	110	
JX35	13-13	FWD/AWD	OEMA	OEMA		N/A	81260	110	
J30	92-97	RWD	N/A	OEMA		N/A	N/A		
M30	90-92	RWD	N/A	OEMA		N/A	N/A		
M35	06-10	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	103/169 104/169 104/169	72130 73005	72130 73005	101,101 107,107	
M35h	12-13	RWD/AWD	OEMA 72240 72245(12)	OEMA 72240 72250 72255	103,103 103,103 103	N/A	N/A		
M37	11-13	RWD/AWD	OEMA 72240 72245(12)	OEMA 72240 72250 72255	103,103 103,103 103	N/A	N/A		
M45	06-10	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	103/169 104/169 104/169	72130 73005	72130 73005	101,101 107,107	
M45	03-05	RWD/AWD	OEMA	OEMA		N/A	N/A		
M56	11-13	RWD/AWD	OEMA 72240 72245(12)	OEMA 72240 72250 72255	103,103 103,103 103	N/A	N/A		
QX30	17-18	FWD/AWD	N/A	OEMA		N/A	81260	110	
QX4	97-03	RWD/4WD	N/A	N/A		N/A	81260	110	
QX50	14-17	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	103/169 104/169 104/169	72130 73005	72130 73005	101,101 107,107	
QX56	04-13	RWD/4WD	OEMA	OEMA		87520	87520	125,125	
QX60	14-18	FWD/AWD	OEMA	OEMA		N/A	81260	110	
QX70	14-17	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	103/169 104/169 104/169	N/A	N/A		
QX80	14-18	RWD/4WD	OEMA	OEMA		87520	87520	125,125	
Q40	15-15	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	103/169 104/169 104/169	72130 73005	72130 73005	101,101 107,107	
Q45	90-07	RWD	OEMA	OEMA		N/A	N/A		
Q50 Sedan	14-18	RWD/AWD	OEMA 72240 72245(12)	OEMA 72240 72250 72255	103,103 103,103 103	72130 73005	72130 73005	101,101 107,107	
Q60	17-18	RWD/AWD	OEMA 72240 72245(12)	OEMA 72240 72250 72255	103,103 103,103 103	72130 73005	72130 73005	101,101 107,107	
Q60 Convertible	14-15	RWD/AWD	OEMA	OEMA		72130 73005	72130 73005	101,101 107,107	
Q60 Coupe	14-15	RWD/AWD	OEMA 72265/85130	OEMA 72265/85130	104/169	72130 73005	72130 73005	101,101 107,107	
Q70	14-18	RWD/AWD	OEMA 72240 72245(12)	OEMA 72240 72250 72255	103,103 103,103 103	N/A	N/A		

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INTERNATIONAL			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
Pickup	72-75	4WD	N/A	N/A		■ 23000(*)/4169	23000(*)/4169	68/159	
Pickup (1300)	60-71	4WD	N/A	N/A		■ 88940	88940	126,126	
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	68/159	
ISUZU									
Amigo	90-00	RWD/4WD	N/A	N/A		47700(*)	47700(*)	78,78	
Ascender	03-07	AWD	N/A	N/A		OEMA/83785	OEMA/83785	169,169	
Axiom	02-04	AWD	N/A	N/A		47700(*)	47700(*)	78,78	
Hombre 94006, upper ball joint-pg. 127	96-00	RWD	N/A	N/A		47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131	
Hombre	96-00	4WD	N/A	N/A		OEMA 83710	OEM 83710	117,117	
i-280	06-06	RWD	N/A	N/A		OEMA	OEMA		
i-290	07-08	RWD	N/A	N/A		OEMA	OEMA		
i-350 45940 for use on OEM style cams only	06-06	4WD	N/A	N/A		■ OEMA/45940 45938 86320, 86325 86360 86375	OEMA/45940 45938 86320, 86325 86360 86375	163,163 163,163 120,120 121,121 121,121	
i-370 45940 for use on OEM style cams only	07-08	4WD	N/A	N/A		■ OEMA/45940 45938 86320, 86325 86360 86375	OEMA/45940 45938 86320, 86325 86360 86375	163,163 163,163 120,120 121,121 121,121	
I-Mark	85-89	FWD	75200(1)	75200(1)	109,109	N/A	81250	110	
Impulse	90-93	FWD/AWD	81250	OEMA	110	N/A	81250	110	
Impulse	83-89	RWD	N/A	N/A		OEMA	OEMA		
Oasis	96-99	FWD	67155/40920	OEMA	WB/161	OEMA	67125/40920 67320(8)/40920	83/161 86/161	
Pickup	81-99	RWD/4WD	N/A	N/A		47700(*)	47700(*)	78,78	
Rodeo Sport	01-03	RWD/4WD	N/A	N/A		47700(*)	47700(*)	78,78	
Rodeo	91-03	RWD/4WD	N/A	N/A		47700(*)	47700(*)	78,78	
Stylus	91-94	FWD	81250	OEMA	110	OEMA	81250	110	
Trooper	81-02	RWD/4WD	N/A	N/A		47700(*)	47700(*)	78,78	
VehiCROSS	00-01	4WD	N/A	N/A		47700(*)	47700(*)	78,78	
JAGUAR									
E-Pace	18-18	AWD	N/A	OEMA		N/A	N/A		
F-Pace	17-18	AWD	N/A	OEMA		OEMA	OEMA		
F-Type	14-18	RWD	N/A	OEMA		OEMA	OEMA		
S-Type	03-08	RWD	N/A	OEMA		OEMA	OEMA		
S-Type	00-02	RWD	N/A	OEMA		OEMA 87545	OEMA 87545	125,125	
X-Type	02-11	FWD/AWD	N/A	OEMA		N/A	N/A		
XE	17-18	RWD/AWD	N/A	OEMA		OEMA	OEMA		
XF	09-18	RWD/AWD	N/A	OEMA		OEMA	OEMA		
XJ	10-18	RWD/AWD	N/A	OEMA		OEMA	OEMA		
XJ	98-09	RWD	N/A	OEMA		N/A	N/A		
XK	07-15	RWD	N/A	OEMA		OEMA	OEMA		
XK8	97-06	RWD	OEMA	OEMA		OEMA	OEMA		

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			CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Cherokee (KL)	14-18	RWD/4WD	OEMA	OEMA			N/A	N/A	
Cherokee (XJ)	94-01	RWD	N/A	N/A		■	23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	71,71 159,165 79,77,77
Cherokee (XJ)	84-93	RWD	N/A	N/A		■	23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509	71,71 159,165 79
Cherokee (XJ)	84-01	4WD	N/A	N/A		■	23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	71,71 159,165 79,77,77
Cherokee (SJ)	74-83	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	68/159
Comanche (MJ)	86-92	RWD/4WD	N/A	N/A		■	23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	71,71 159,165 79,77,77
Commander (XK)	06-10	RWD/4WD	N/A	N/A			OEMA	OEMA 23420/37995, 72509 26012, 26014	70/160,165 79,77,77
Commando	66-73	4WD	N/A	N/A			23000(*)/4169	23000(*)/4169	68/159
Compass (MP)	17-18	FWD/AWD	81250	OEMA	110		N/A	81250	110
Compass (MK)	07-17	FWD/AWD	67455	OEMA	87		N/A	81260	110
CJ	72-86	4WD	N/A	N/A		■	23000(*)/4169 80199(*)	23000(*)/4169	68/159 111
CJ	45-71	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	68/159
Grand Cherokee (WK2)	11-18	RWD/AWD	OEMA	OEMA			OEMA 82360	OEMA 82360	115,115
Grand Cherokee (WK)	05-10	RWD/4WD	N/A	N/A			OEMA	OEMA 23420/37995, 72509 26012, 26014	70/160,165 77,77
Grand Cherokee (WJ)	99-04	RWD/4WD	N/A	N/A			23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	71,71 159,165 79,77,77
Grand Cherokee (ZJ)	93-98	RWD/4WD	82370(19)/74910	N/A	115/167		23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	71,71 159,165 79,77,77
Grand Wagoneer (SJ)	74-91	4WD	N/A	N/A			23000(*)/4169	23000(*)/4169	68/159
Jeepster	66-73	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	68/159
Liberty (KK)	08-13	FWD/AWD	N/A	N/A			OEMA	OEMA	
Liberty (KJ)	02-07	FWD/AWD	N/A	N/A			OEMA 82365	OEMA 26012, 26014 82365	115,77,77 115
Patriot (MK)	07-17	FWD/AWD	67455	OEMA	87		N/A	81260	110
Pickup J10/J20 (SJ)	74-84	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	68/159
Renegade (BU)	15-18	FWD/AWD	81250	N/A	101		N/A	81250	110
Scrambler	82-86	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	68/159
Wagoneer (XJ)	84-90	RWD	N/A	N/A		■	23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509	71,71 159,165 79
Wagoneer (XJ)	84-90	4WD	N/A	N/A		■	23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	71,71 159,165 79,77,77
Wrangler (JL)	18-18	4WD	N/A	N/A			OEMA	N/A	
Wrangler (JK) 23605, front toe adjusters - pg. 71 13410, 13415, 13420, 13425 control arms-pg. 67	07-18	RWD/4WD	82390(19)/74910	N/A	115/167		23510(*)/ 23580, 72509 82390(16)/ 74910	23510(*)/ 23580, 72509 26012, 26014	71,71 159,165 115,77,77 165
Wrangler (TJ) 23605, front toe adjusters - pg. 71 13410, 13415, 13420, 13425 control arms-pg. 67	97-06	4WD	82370(19)/74910	N/A	115/167		23510(*)/ 23580, 72509 82380(16)/ 74910	23510(*)/ 23580, 72509 26012, 26014	71,71 159,165 115,77,77 165
Wrangler (YJ)	87-95	4WD	N/A	N/A		■	Axle Wedges, 23510(*)/ 23580, 72509	23510(*)/ 23580, 72509 26012, 26014	71 71/159,165 159,165,77

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KIA Model/Body Style	Year	Drive Type	REAR			Thrust Plate	FRONT		
			CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Amanti	07-11	FWD	OEMA	OEMA			N/A	67195/40920	83/161
Amanti	04-06	FWD	N/A	OEMA			N/A	67190/40920	83/161
Borrego	08-11	FWD/AWD	OEMA 84100	OEMA 84100	118,118		OEMA	OEMA	
Cadenza	14-18	FWD	N/A	OEMA			N/A	81280	110
Forte	09-18	FWD	75600(1)	75600(1)	109,109		N/A	81260	110
K900	16-17	RWD	OEMA	OEMA			N/A	N/A	
K900	15-15	RWD	OEMA	OEMA			N/A	71930	98
Niro	17-18	FWD	N/A	OEMA			N/A	81260	110
Optima Built after 7-1-2011	12-18	FWD	OEMA	OEMA			N/A	81280	110
Optima Built before 7-1-2011	11-12	FWD	OEMA	OEMA			N/A	81260	110
Optima	07-10	FWD	67410/85130	OEMA 67410/85130	86/169 86/169		N/A	81260	110
Optima	01-06	FWD	N/A	OEMA			N/A	67190/40920	83/161
Rio	18-18	FWD	N/A	N/A			N/A	81250	110
Rio	12-17	FWD	N/A	71070(*)	98		N/A	81260	110
Rio	01-11	FWD	75800(1)	75800(1)	109,109		N/A	81250	110
Rio5	06-11	FWD	75800(1)	75800(1)	109,109		N/A	81250	110
Rondo	07-12	FWD	67410/85130	OEMA 67410/85130	86/169 86/169		N/A	81260	110
Sedona	15-18	FWD	OEMA 84120	OEMA	118		N/A	81280	110
Sedona	06-14	FWD	84120	OEMA	118		N/A	81250	110
Sedona	02-05	FWD	N/A	N/A			N/A	81260	110
Sephia	94-02	FWD	81250	OEMA	110		N/A	OEMA 81250	110
Sorento	16-18	FWD/AWD	N/A	OEMA			N/A	81280	110
Sorento	11-15	FWD/AWD	OEMA 84100	OEMA 84100	118,118		N/A	81260	110
Sorento	03-09	FWD/AWD	N/A	N/A			N/A	OEMA	
Soul	09-18	FWD	75600(1)	75600(1)	109,109		N/A	81260	110
Spectra	01-09	FWD	81250	OEMA	110		N/A	81250	110
Sportage	17-18	FWD/AWD	N/A	OEMA			N/A	81260	110
Sportage	11-16	FWD/AWD	OEMA	OEMA			N/A	81260	110
Sportage	05-10	FWD/AWD	81260	OEMA	110		N/A	81260	110
Sportage	95-02	FWD/AWD	N/A	N/A			OEMA	OEMA	
Stinger	18-18	RWD/AWD	N/A	OEMA			N/A	N/A	
LAND ROVER									
Discovery	17-18	4WD	N/A	OEMA			N/A	N/A	
Discovery	99-04	4WD	N/A	N/A			N/A	N/A	
Discovery Sport	15-18	4WD	N/A	OEMA			N/A	N/A	
Freelander	02-06	4WD	81260	OEMA	110		N/A	81260	110
LR2	05-15	4WD	N/A	OEMA			N/A	N/A	
LR3	05-09	4WD	N/A	OEMA			OEMA	OEMA	
LR4	10-15	4WD	N/A	OEMA			OEMA	OEMA	
Range Rover	13-18	4WD	N/A	OEMA			N/A	N/A	
Range Rover	03-12	4WD	N/A	OEMA			N/A	81280	110
Range Rover	95-02	4WD	N/A	N/A			N/A	N/A	
Range Rover Evoque	13-18	4WD	N/A	OEMA			N/A	N/A	
Range Rover Sport	14-18	4WD	N/A	OEMA			N/A	N/A	
Range Rover Sport	06-13	4WD	OEMA	OEMA			OEMA	OEMA	
Range Rover Velar	18-18	4WD	N/A	OEMA			N/A	N/A	

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LEXUS			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
CT	11-17	FWD	67487	OEMA 67800/ 37995	89 94/ 160		N/A	81290	110
ES	13-18	FWD	81290	N/A	110		N/A	81290	110
ES	92-12	FWD	81270	OEMA	110		N/A	81290 82120/ 85130	110 114/ 169
ES	90-91	FWD	81270	OEMA	110		85690, 85695	81290 82120/ 85130	WB,110 114/ 169
GS	13-18	RWD/AWD	72450	OEMA	105		N/A	N/A	
GS	06-11	RWD/AWD	67520/ 37995	OEMA	90/ 160		N/A	67530/ 40920	90/ 161
GS	98-05	RWD	OEMA 67510/ 85130	OEMA	90/ 160		72270	OEMA 72270	104 104
GS	93-97	RWD	OEMA	OEMA			OEMA 72270	OEMA 72270	104,104
GX	10-18	4WD	N/A	N/A			OEMA 25440/ 40915 25480	OEMA 25440/ 40915 25480	74/ 161 75,75
GX	03-09	4WD	N/A	N/A			OEMA 25435/ 40915 25480	OEMA 25435/ 40915 25480	74/ 161 75,75
HS	10-12	FWD	67487	OEMA 67800/ 37995	89 97/ 160		N/A	81290	110
IS	16-18	RWD/AWD	72450	OEMA	105		N/A	67530/ 40920	90/ 161
IS Except Convertible or IS-F	14-15	RWD/AWD	72450	OEMA	105		N/A	67530/ 40920	90/ 161
IS Convertible	14-15	RWD/AWD	67520/ 37995	OEMA	90/ 160		N/A	67530/ 40920	90/ 161
IS-F	14-14	RWD	67520/ 37995	OEMA	90/ 160		N/A	67530/ 40920	90/ 161
IS Incl IS-F and Convertible	06-13	RWD/AWD	67520/ 37995	OEMA	90/ 160		N/A	67530/ 40920	90/ 161
IS	01-05	RWD	OEMA 67515/ 85130	OEMA	90/ 169		N/A	OEMA 67525/ 40920	90/ 161
LC	18-18	RWD	OEMA	OEMA			N/A	N/A	
LS	07-18	RWD/AWD	N/A	OEMA			OEMA	OEMA	
LS	01-06	RWD	N/A	OEMA			N/A	OEMA	
LS	90-00	RWD	OEMA	OEMA			OEMA	OEMA	
LX 570	08-18	4WD	N/A	N/A			OEMA 25450/ 40915 25465	OEMA 25450/ 40915 25465	74/ 161 75,75
LX 470	98-07	4WD	N/A	N/A			OEMA 25455	OEMA 25455	75,75
LX 450	96-98	4WD	N/A	N/A			88915, 88920	88915, 88920	126,126
NX	15-18	FWD/AWD	67810, 67811	OEMA	95,95		N/A	81290	110
RC	15-18	RWD	72450	OEMA	105		N/A	N/A	
RX	10-18	FWD/AWD	N/A	OEMA			N/A	81290	110
RX	99-09	FWD/AWD	81270	OEMA	110		N/A	81290 82120/ 85130	110 114/ 169
SC	02-10	RWD	OEMA 67510/ 85130	OEMA	90/ 169		72270	OEMA 72270	104 104
SC	92-01	RWD	OEMA	OEMA			OEMA	OEMA	
LINCOLN									
Aviator	03-05	RWD/4WD	86180	OEMA	119		86140	86140	119,119
Blackwood EXT	02-03	RWD/4WD	N/A	N/A			87385	87385	124,124
Continental	17-18	FWD/AWD	N/A	OEMA			N/A	81280	110
Continental	95-02	FWD	OEMA	OEMA			OEMA	OEMA	
Continental	88-94	FWD	N/A	OEMA			OEMA	OEMA	
Continental	82-87	RWD	N/A	N/A			N/A	OEMA 81280 82120/ 85130	110 114/ 169

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LINCOLN-cont.			REAR			FRONT			
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
LS	00-06	RWD	N/A	OEMA			OEMA 87545	OEMA 87545	125,125
Mark LT	06-08	RWD/4WD	N/A	N/A			OEMA 25680 86250 86252	OEMA 25680 86250 86252	76,76 119,119 119,119
Mark VII	84-92	RWD	N/A	N/A			N/A	OEMA 81280 82120/ 85130	110 114/ 169
Mark VIII	93-97	RWD	OEMA	OEMA			OEMA	OEMA 87535	125
MKC	15-18	FWD/AWD	N/A	OEMA			N/A	N/A	
MKS built after 2/6/12	13-16	FWD/AWD	OEMA 84130	OEMA	118		N/A	81280	110
MKS built before 2/6/12	09-12	FWD/AWD	OEMA 84130	OEMA	118		N/A	OEMA	
MKT	13-18	FWD/AWD	OEMA 84130	OEMA	118		N/A	81280	110
MKT	10-12	FWD/AWD	OEMA 84130	OEMA	118		N/A	OEMA	
MKX	07-18	FWD/AWD	OEMA	OEMA			N/A	81280	110
MKZ	13-18	AWD	N/A	OEMA			N/A	81280	110
MKZ	13-18	FWD	67680	OEMA	93		N/A	81280	110
MKZ	07-12	FWD/AWD	OEMA 67425	OEMA	87		N/A	67115/ 40920	83/ 161
Navigator	18-18	RWD/4WD	OEMA	OEMA			OEMA	OEMA	
Navigator	07-17	RWD/4WD	OEMA	OEMA			OEMA 86250 86252	OEMA 86250 86252	119,119 119,119
Navigator	03-06	RWD/4WD	86680	OEMA	123		86640/ 83820	86640/ 83820	123/ 169
Navigator	98-02	RWD/4WD	N/A	N/A			87385	87385	124,124
Town Car	03-11	RWD	N/A	N/A			OEMA	OEMA 87365/ 02099, 85130	124/ 178,169
Town Car	91-02	RWD	N/A	N/A			OEMA	OEMA/ 88325	171
Town Car	80-90	RWD	N/A	N/A			OEMA	OEMA	
Zephyr	06-06	FWD/AWD	OEMA 67425	OEMA	87		N/A	67115/ 40920	83/ 161
MAZDA									
2	11-14	FWD	N/A	N/A			N/A	81250	110
3	17-18	FWD	N/A	OEMA			N/A	81260	110
3	14-16	FWD	67415	OEMA 67415	86 86		N/A	81260	110
3 Inc. Mazdaspeed 3	04-13	FWD	67420	OEMA	87		N/A	N/A	
323	90-94	FWD/AWD	81250	OEMA 67070	110 WB		N/A	OEMA 81250	110
323	86-89	FWD/AWD	81250	OEMA	110		N/A	OEMA 81250	110
5	06-15	FWD	67420	OEMA	87		N/A	N/A	
6	14-18	FWD	N/A	OEMA			N/A	81280	110
6	09-13	FWD	67425	OEMA	87		N/A	N/A	
6 Inc. Mazdaspeed 6	03-08	FWD/AWD	OEMA 67425	OEMA	87		N/A	67115/ 40920	83/ 161
626	83-02	FWD	81250	OEMA	110		OEMA	OEMA 81250	110
626	79-82	RWD	N/A	N/A			N/A	N/A	

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Model/Body Style	Year	Drive Type	REAR			Thrust Plate	FRONT		
			CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
929	92-95	RWD	OEMA	OEMA			N/A	OEMA	
929	88-91	RWD	N/A	OEMA			OEMA	OEMA 81250	110
B-Series Pickup	98-12	RWD/4WD	N/A	N/A		■	87500	87500	125,125
B-Series Pickup	94-97	RWD/4WD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280(24)	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73,73 167.167 123
CX-3	16-18	FWD/AWD	N/A	N/A			N/A	81260	110
CX-5	13-18	FWD/AWD	N/A	OEMA			N/A	81280	110
CX-7	07-12	FWD/AWD	N/A	OEMA			OEMA	OEMA 81260	110
CX-9	16-18	FWD/AWD	N/A	OEMA			N/A	81280	110
CX-9	07-15	FWD/AWD	OEMA	OEMA			N/A	81260	110
GLC	82-85	FWD	81250	OEMA	110		N/A	OEMA 81250	110
GLC	77-83	RWD	N/A	N/A			N/A	N/A	
Millenia	95-02	FWD	OEMA	OEMA			N/A	OEMA	
MPV	89-07	FWD/AWD	N/A	N/A			OEMA	OEMA 81250	110
MX-3	92-95	FWD	81250	OEMA	110		N/A	OEMA 81250	110
MX-5 Miata (ND)	16-18	RWD	OEMA	OEMA			OEMA	OEMA	
MX-5 Miata (NC)	06-15	RWD	OEMA	OEMA			OEMA 83185	OEMA 83185	117,117
MX-5 Miata (NA/NB)	90-05	RWD	OEMA 83180	OEMA 83180	117,117		OEMA 83180	OEMA 83180	117,117
MX-6	88-97	FWD	81250	OEMA	110		OEMA	OEMA 81250	110
Navajo	91-94	RWD/4WD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280(24)	23180(*)/87175 77880, 88830 24180/ 74400, 74500	69/170 168,171 73,73 167.167 123
Pickup	86-93	RWD/4WD	N/A	N/A		■	47700(*)	47700(*)	78,78
Protege	99-03	FWD/AWD	81250	OEMA	110		OEMA	OEMA 81250	110
Protege	95-98	FWD/AWD	81250	OEMA 67070	110		OEMA	OEMA 81250	110
Protege	90-94	FWD/AWD	81250	OEMA	110		OEMA	OEMA 81250	110
Protege5	02-03	FWD/AWD	81250	OEMA	110		OEMA	OEMA 81250	110
RX-7	93-96	RWD	OEMA	OEMA			OEMA	OEMA	
RX-7	86-92	RWD	N/A	OEMA			OEMA	OEMA 81250	110
RX-7	80-85	RWD	N/A	N/A			OEMA	OEMA	
RX-8	04-12	RWD	OEMA	OEMA			OEMA	OEMA	
Tribute	01-11	FWD/AWD	67285/37995	OEMA	84/160		OEMA	OEMA 81250	110

MERCEDES-BENZ

NOTE: ON ALL MERCEDES - Manufacturer recommends tool #99918 for setting toe (pg. 173)

B-Class W246	12-17	FWD	N/A	OEMA			N/A	81260	110
B-Class W245	05-11	FWD	N/A	OEMA			N/A	81260	110
C-Class W205/ C205 Sedan & Coupe	17-18	RWD/AWD	28855(32)/ 72509, 76000	OEMA	77 165,167		N/A	N/A	
C-Class W204 4MATIC Coupe	15-15	AWD	28850(32)/ 72509, 76000	OEMA	77 165,167		28815	28815 81260	77,77 110

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MERCEDES BENZ-cont.			REAR			FRONT			
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
NOTE: ON ALL MERCEDES - Manufacturer recommends tool #99918 for setting toe (pg. 173)									
C-Class W204 Coupe	15-15	RWD	28850(32)/ 72509, 76000	OEMA	77 165,167		28815	28815	77,77
C-Class W205 Sedan	15-16	RWD/AWD	28855(32)/ 72509, 76000	OEMA	77 165,167		N/A	N/A	
C-Class W204 4MATIC	08-14	AWD	28850(32)/ 72509, 76000	OEMA	77 165,167		28815	28815 81260	77,77 110
C-Class W204	08-14	RWD	28850(32)/ 72509, 76000	OEMA	77 165,167		28815	28815	77,77
C-Class W203 4MATIC	01-07	AWD	28840/ 72509, 75990	OEMA	77 165,167		28810	28810 81260	77,77 110
C-Class W203	01-07	RWD	28840/ 72509, 75990	OEMA	77 165,167		28810	28810	77,77
C-Class W202	94-00	RWD/AWD	28840/ 72509, 75990	OEMA	77 165,167		28815	28815	77,77
C-Class W201	82-93	RWD/AWD	N/A	OEMA			OEMA	OEMA	
CL-Class C216	07-14	RWD/AWD	N/A	OEMA			N/A	N/A	
CL-Class C215	00-06	RWD	N/A	OEMA			28815	28815	77,77
CLA-Class C117	14-18	FWD/AWD	N/A	OEMA			N/A	81260	110
CLK-Class W209	04-09	RWD	28840/ 72509, 75990	OEMA	77 165,167		28810	28810	77,77
CLK-Class W208 Cabriolet	03-03	RWD	28840/ 72509, 75990	OEMA	77 165,167		28815	28815	77,77
CLK-Class W209 Coupe	03-03	RWD	28840/ 72509, 75990	OEMA	77 165,167		28810	28810	77,77
CLK-Class W208	98-02	RWD	28840/ 72509, 75990	OEMA	77 165,167		28815	28815	77,77
CLS-Class W218 4MATIC	12-18	AWD	N/A	OEMA			28815	28815 81260	77,77 110
CLS-Class W218	12-18	RWD	N/A	OEMA			28815	28815	77,77
CLS-Class W219	05-11	RWD	N/A	OEMA			28810	28810	77,77
E-Class C238 Coupe	2018	RWD/AWD	N/A	OEMA			N/A	N/A	
E-Class W213 Sedan	17-18	RWD/AWD	N/A	OEMA			N/A	N/A	
E-Class W212/S212 4MATIC Sedan/Wagon	10-16	AWD	28855(32)/ 76000, 72509	OEMA	77 165,167		2881	28815 81260	77,77 110
E-Class W212/S212 Sedan/Wagon	10-16	RWD	28855(32)/ 72509, 76000	OEMA	77 165,167		28815	28815	77,77
E-Class A207/C207 4MATIC Coupe/Convertible	10-17	AWD	28855(32)/ 72509, 76000	OEMA	77 165,167		N/A	81260	110
E-Class A207/C207 Coupe/Convertible	10-17	RWD	28855(32)/ 72509, 76000	OEMA	77 165,167		N/A	N/A	
E-Class W211 4MATIC	03-09	AWD	28860(32)/ 72509, 76000	OEMA	77 165,167		28815	28815	77,77
E-Class W211	03-09	RWD	28860(32)/ 72509, 76000	OEMA	77 165,167		28810	28810	77,77
E-Class W210	96-02	RWD/AWD	28840/ 72509, 75990	OEMA	77 165,167		OEMA	OEMA	
E-Class W210 Wagon	96-02	RWD/AWD	N/A	OEMA			OEMA	OEMA	
E-Class W124	86-95	RWD/AWD	28840/ 72509, 75990	OEMA	77 165,167		OEMA	OEMA	
G-Class 463	02-18	4WD	N/A	OEMA			OEMA	OEMA	
GL-Class X166	13-16	AWD	OEMA	OEMA			N/A	N/A	
GL-Class X164	07-12	AWD	OEMA	OEMA			N/A	N/A	

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NOTE: ON ALL MERCEDES - Manufacturer recommends tool #99918 for setting toe (pg. 173)									
GL-Class X156	07-12	AWD	N/A	OEMA			N/A	81260	110
GLC-Class X253/C253	16-18	RWD/AWD	N/A	OEMA			N/A	N/A	
GLE-Class W166/C292	16-18	RWD/AWD	OEMA	OEMA			N/A	N/A	
GLK-Class X204	09-15	RWD/4WD	28850(32)/ 72509, 76000	OEMA	77 165,167		28815	28815 81260	77,77 110
GLS-Class X166	17-18	AWD	OEMA	OEMA			N/A	N/A	
M-Class W166	12-15	AWD	OEMA	OEMA			N/A	N/A	
M-Class W164	06-11	AWD	OEMA	OEMA			N/A	N/A	
M-Class W163	98-05	AWD	N/A	N/A			N/A	N/A	
Metris W447	16-18	RWD	N/A	OEMA			N/A	OEMA 81260	110
R-Class W251	06-12	RWD/AWD	OEMA	OEMA			N/A	OEMA	
S-Class W222	14-18	RWD/AWD	N/A	OEMA			N/A	N/A	
S-Class W221	06-13	RWD/AWD	N/A	OEMA			N/A	N/A	
S-Class W220 4MATIC	99-05	AWD	N/A	OEMA			28815	28815	77,77
S-Class W220	99-05	RWD	N/A	OEMA			28810	28810	77,77
Sprinter Van	07-18	RWD	N/A	N/A		■	N/A	35077	78
Sprinter Van	01-06	RWD	N/A	N/A		■	N/A	35075, 35076	78,78
SL-Class R231	13-18	RWD	N/A	OEMA			28810	N/A	77
SL-Class R230	03-12	RWD	N/A	OEMA			28810	28810	77,77
SL-Class R129	99-02	RWD	28840/ 72509, 75990	OEMA	77 165,167		OEMA	OEMA	
SL-Class R129	89-98	RWD	N/A	OEMA			OEMA	OEMA	
SLC-Class R172	17-18	RWD	N/A	OEMA			N/A	N/A	
SLK R172	12-16	RWD	N/A	OEMA			N/A	N/A	
SLK R171	05-11	RWD	28840/ 72509, 75990	OEMA	77 165,167		28810	28810	77,77
SLK R170	96-04	RWD	28840/ 72509, 75990	OEMA	77 165,167		28815	28815	77,77
MERCURY									
Capri	91-94	RWD	81250	OEMA	110		OEMA	OEMA 81250	110
Capri	79-86	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	110 114/169
Comet 94009, upper ball joint-pg. 127	66-77	RWD	N/A	N/A			OEMA 94210	OEMA 83160 94210	128,117 128
Comet 94009, upper ball joint-pg. 127	64-65	RWD	N/A	N/A			47700(*) 94215 94220	47700(*) 94215	78,78 128,128 128
Comet	60-63	RWD	N/A	N/A			47700(*)	47700(*)	78,78
Cougar	99-02	FWD	N/A	OEMA			89675	89675	WB,WB
Cougar	89-97	RWD	OEMA	OEMA			OEMA	OEMA 87535	125
Cougar	80-88	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	110 14/169
Cougar	74-79	RWD	N/A	N/A			OEMA	OEMA 83160	117
Cougar 94009, upper ball joint-pg. 127	67-73	RWD	N/A	N/A			OEMA 94210	OEMA 83160 94210	128,117 128
Cyclone 94009, upper ball joint-pg. 127	66-71	RWD	N/A	N/A			OEMA 94210	OEMA 83160 94210	128,117 128

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MERCURY-cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Cyclone 94009, upper ball joint-pg. 127	64-65	RWD	N/A	N/A		47700(*) 94215 94220	47700(*) 94215	78,78 128,128 128	
Grand Marquis	03-11	RWD	N/A	N/A		OEMA	OEMA 87365/ 85130, 02099	124 169,178	
Grand Marquis	91-02	RWD	N/A	N/A		OEMA	OEMA/ 88325	171	
Grand Marquis	83-90	RWD	N/A	N/A		OEMA	OEMA		
Lynx	81-87	FWD	81250	OEMA	110	N/A	N/A		
LN7	82-85	FWD	81250	OEMA	110	N/A	N/A		
Marauder	03-04	RWD	N/A	N/A		OEMA	OEMA 87365/ 85130, 02099	124 169,178	
Mariner	05-11	FWD/AWD	67285/ 37995	OEMA	84/ 160	OEMA	OEMA 81250	110	
Marquis	83-86	RWD	N/A	N/A		N/A	OEMA 81280 82120/ 85130	110 114/ 169	
Milan	06-11	FWD/AWD	OEMA 67425	OEMA	87	N/A	67115/ 40920	83/ 161	
Monarch	75-80	RWD	N/A	N/A		OEMA	OEMA 83160	117	
Montego	05-07	AWD	67690	OEMA	94	N/A	OEMA		
Montego	05-07	FWD	71760(*)	OEMA	97	N/A	OEMA		
Montego	66-71	RWD	N/A	N/A		OEMA	OEMA 83160	117	
Monterey	04-07	FWD	N/A	N/A		OEMA	OEMA 89685	126	
Mountaineer	06-10	RWD/4WD	OEMA	OEMA		OEMA	OEMA		
Mountaineer	02-05	RWD/4WD	86180	OEMA	119	86140	86140	119,119	
Mountaineer	96-01	RWD/4WD	N/A	N/A		87310 87500	87310 87500	123,123 125,125	
Mystique	95-00	FWD	N/A	OEMA		89675	89675	WB, WB	
Sable	08-09	AWD	67690	OEMA	94	N/A	OEMA		
Sable	08-09	FWD	71760(*)	OEMA	97	N/A	OEMA		
Sable Wagon	96-05	FWD	87350/ 85130	OEMA/ 97650	124/ 169 171	OEMA	OEMA 89635	126	
Sable Sedan 87325 Intended for use on OE NOT intended for aftermarket	86-06	FWD adjusters - parts	87330/ 87320, 8370	OEMA/ 87325 87330/ 8370, 87320	123/ 170 170/123 159,170	OEMA	OEMA 89635 (96-07 Only)	126	
Sable Wagon	86-95	FWD	87350/ 85130	OEMA/ 97650	124/ 169 171	OEMA	OEMA		
Topaz	86-94	FWD/AWD	81250	OEMA/ 87325	110/ 170	N/A	N/A		
Topaz	84-85	FWD/AWD	81250	N/A	110	N/A	N/A		
Tracer	97-99	FWD	81250	N/A	110	N/A	OEMA 81250	110	
Tracer	95-96	FWD	81250	OEMA	110	OEMA	OEMA 81250	110	
Tracer	91-94	FWD	81250	OEMA 67070	110 WB	OEMA	OEMA 81250	110	
Tracer	87-90	FWD	81250	OEMA	110	N/A	OEMA 81250	110	
Villager	93-02	FWD	75400(1)	75400(1)	109,109	N/A	81250	110	
Zephyr	78-83	RWD	N/A	N/A		N/A	OEMA 81280 82120/ 85130	110 114/ 169	

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MINI Model/Body Style	Year	Drive Type	REAR			Thrust Plate	FRONT		
			CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Cooper Convertible F57	16-18	FWD	OEMA 67108	OEMA/87566	170 82		N/A	N/A	
Cooper Hardtop F55/F56	14-18	FWD	OEMA 67108	OEMA/87566	170 82		N/A	N/A	
Cooper Convertible R57	09-15	FWD	OEMA/87560 67610	OEMA/87566	170,170 92		67630/72095	67630/72095	92/165
Cooper Hardtop R55/R56	07-13	FWD	OEMA/87560 67610	OEMA/87566	170,170 92		67630/72095	67630/72095	92/165
Cooper JCW GP	07-13	FWD	OEMA/87560 67610	OEMA/87566	170,170 92		N/A	N/A	
Cooper Convertible R52	04-08	FWD	OEMA/87560 67610	OEMA/87566	170,170 92		67620/72095	67620/72095	92/165
Cooper Hardtop R50/R53 before 3/02	02-02	FWD	OEMA/87560 67610	OEMA/87566	170,170 92		N/A	N/A	
Cooper Hardtop R50/R53 after 3/02	02-06	FWD	OEMA/87560 67610	OEMA/87566	170,170 92		67620/72095	67620/72095	92/165
Cooper Clubman F54	16-18	FWD	OEMA 67108	OEMA/87566	170 82		N/A	N/A	
Cooper Clubman R55	08-14	FWD	OEMA/87560 67610	OEMA/87566	170,170 92		67630/72095	67630/72095	92/165
Cooper Countryman F60	17-18	FWD/AWD	OEMA 67108	OEMA/87566	170 82		N/A	N/A	
Cooper Countryman R60	11-16	FWD/AWD	OEMA/87560 67610	OEMA/87566	170,170 92		67630/72095	67630/72095	92/165
Cooper Paceman R61	13-16	FWD/AWD	OEMA/87560 67610	OEMA/87566	170,170 92		67630/72095	67630/72095	92/165
Coupe Incl. Roadster R58/R59	12-15	FWD	OEMA/87560 67610	OEMA/87566	170,170 92		67630/72095	67630/72095	92/165

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3000GT	90-99	FWD/AWD	OEMA	OEMA			N/A	OEMA 81250	110
Diamante 73400 must be used with 73415	97-04	FWD	73400+73415(7) 73600, 73620(8)	OEMA	108,108 108,108		N/A	81250	110
Diamante	92-96	FWD/AWD	OEMA	OEMA			N/A	81250	110
Eclipse	06-12	FWD	OEMA	OEMA			N/A	81280	110
Eclipse 73400 must be used with 73415	00-05	FWD	73400+73415(7) 73600, 73620(8)	OEMA	108,108 108,108		N/A	81280 82120/85130	110 114/169
Eclipse 73400 must be used with 73415	95-99	FWD/AWD	73400+73415(7) 73600, 73620(8)	OEMA	108,108 108,108		N/A	67170/40920 67370(8)/40920	WB/161 WB/161
Eclipse	90-94	AWD	OEMA	OEMA			N/A	81250	110
Eclipse	90-94	FWD	N/A	N/A			N/A	81250	110
Eclipse Cross	18-18	FWD/AWD	N/A	OEMA			N/A	81260	110
Endeavor	04-11	FWD/AWD	OEMA	OEMA			N/A	81280	110
Expo	92-95	FWD/AWD	N/A	OEMA			N/A	81250	110
Expo LRV	92-94	FWD/AWD	N/A	OEMA			N/A	81250	110
Galant	04-12	FWD	OEMA	OEMA			N/A	81280	110
Galant 73400 must be used with 73415	99-03	FWD/AWD	73400+73415(7) 73600, 73620(8)	OEMA	108,108 108,108		N/A	81280 82120/85130	110 114/169
Galant 73400 must be used with 73415	94-98	FWD/AWD	73400+73415(7) 73600, 73620(8)	OEMA	108,108 108,108		N/A	67170/40920 67370(8)/40920	WB/161 WB/161
Galant	85-93	FWD	N/A	N/A			N/A	81250	110
i-MiEV	12-17	RWD	N/A	N/A			N/A	N/A	
Lancer	08-17	FWD/AWD	67455	OEMA	87		N/A	81260	110
Lancer	02-07	FWD/AWD	N/A	OEMA			N/A	81260	110
Lancer Evolution	02-15	AWD	OEMA	OEMA			N/A	81260	110
Mighty Max Pickup	86-98	RWD/4WD	N/A	N/A			47700(*)	47700(*)	78,78
Mirage incl. G4	17-18	FWD	N/A	N/A			N/A	81250	110
Mirage	14-15	FWD	N/A	N/A			N/A	81250	110
Mirage	94-03	FWD	OEMA	OEMA			N/A	81250	110
Mirage	85-93	FWD/AWD	N/A	N/A			N/A	81250	110

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MITSUBISHI-cont.			REAR			FRONT			
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Montero	01-06	FWD/AWD	OEMA	OEMA			47700(*)	47700(*)	78,78
Montero Sport	97-04	RWD/4WD	N/A	N/A			OEMA	OEMA	
Outlander	07-18	FWD/AWD	67455	OEMA	87		N/A	81260	110
Outlander	03-06	FWD/AWD	N/A	OEMA			N/A	81260	110
Outlander Sport	11-18	FWD/AWD	67455	OEMA	87		N/A	81260	110
Precis	87-93	FWD	N/A	N/A			OEMA	81250	110
Raider	06-09	RWD/4WD	N/A	N/A			OEMA 82400	OEMA 82400	116,116
RVR	10-15	FWD/AWD	67455	OEMA	87		N/A	81260	110
Starion	83-89	RWD	N/A	OEMA			OEMA	N/A	
Tredia	83-88	FWD/AWD	N/A	N/A			OEMA	81250	110
Van	87-91	FWD	N/A	N/A			N/A	OEMA	
NAVISTAR									
See our Heavy Duty		Section	pages 134-144						
NISSAN									
200SX (B14)	94-98	FWD	N/A	N/A			N/A	81250	110
200SX (S12)	84-88	RWD	N/A	OEMA			N/A	83115/ 73010(4)	117/ 165
200SX (S110)	80-83	RWD	N/A	N/A			N/A	N/A	
210	79-82	RWD	N/A	N/A			N/A	N/A	
240SX (S14)	95-98	RWD	OEMA 67775, 67776	OEMA 67740	94,94,94		67720	OEMA 81250	94 110
240SX (S13)	89-94	RWD	OEMA 67765	OEMA 67740	94,94		67720	OEMA 81250	94 110
240Z	71-73	RWD	N/A	N/A			N/A	83115/ 73010(4)	117/ 165
260Z	74-74	RWD	N/A	N/A			N/A	83115/ 73010(4)	117/ 165
280Z	75-78	RWD	N/A	N/A			N/A	83115/ 73010(4)	117/ 165
280ZX	79-83	RWD	N/A	N/A			N/A	83115/ 73010(4)	117/ 165
300ZX	90-96	RWD	OEMA 67765	OEMA	94		N/A	83115/ 73010(4)	117/ 165
300ZX	84-89	RWD	N/A	OEMA			N/A	83115/ 73010(4)	117/ 165
310	79-82	RWD	N/A	N/A			N/A	N/A	
350Z	03-08	RWD	OEMA 72050/85130 22052/ 85130 72055/ 85130	OEMA 72050/85130 72052/ 85130 72055/ 85130	99/ 169 99/ 169 100/ 169		72123/ 8370 73000/ 8370	72123/ 8370 73000/ 8370	101/ 159 107/ 159
370Z	09-18	RWD	OEMA 72260/85130 72262/ 85130 72265/ 85130	OEMA 72260/85130 72262/ 85130 72265/ 85130	103/ 169 104/ 169 104/ 169		72130 73005	72130 73005	101,101 107,107
510	78-81	RWD	N/A	N/A			N/A	N/A	
810	77-83	RWD	N/A	N/A			N/A	83115/ 73010(4)	117/ 165
Altima Sedan	13-18	FWD	OEMA 72295	OEMA	105		N/A	81260	110
Altima Sedan	07-12	FWD	OEMA 72055/ 85130 72290/85130	OEMA 72055/ 85130 72290/85130	100/ 169 104/ 169		N/A	81260	110
Altima Coupe	07-13	FWD	OEMA 72055/ 85130 72290/85130	OEMA 72055/ 85130 72290/85130	100/ 169 104/ 169		N/A	81260	110
Altima	02-06	FWD	OEMA 72050/85130 22052/ 85130 72055/ 85130	OEMA 72050/85130 72052/ 85130 72055/ 85130	99/ 169 99/ 169 100/ 169		N/A	81260	110
Altima	93-01	FWD	81250	OEMA	101		N/A	81250	110

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NISSAN-cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Armada	17-18	RWD/4WD	OEMA	OEMA		OEMA 87520	OEMA 87520	125,125	
Armada	04-15	RWD/4WD	OEMA	OEMA		25560 87520	25560 87520	76,76 125,125	
Axxess	90-95	FWD/AWD	N/A	OEMA		N/A	81250	110	
B110	70-73	RWD	N/A	N/A		N/A	N/A		
B210	73-78	RWD	N/A	N/A		N/A	N/A		
Cube <i>NOTE: Vehicles with rear disc brakes may also need #75970 - pg. 109</i>	09-14	FWD	75610(1)	75610(1)	108,108	N/A	81260	110	
Frontier	05-18	RWD/4WD	N/A	N/A		25540 87520	25540 87520	76,76 125,125	
Frontier	98-04	RWD/4WD	N/A	N/A		OEMA 87515	OEMA 87515	125,125	
GT-R	09-18	AWD	OEMA	OEMA		OEMA	OEMA		
Juke	11-17	AWD	OEMA	OEMA		N/A	81260	110	
Juke	11-17	FWD	71000(*)	71000(*)	96,96	N/A	81260	110	
Leaf	18-18	FWD	N/A	N/A		N/A	81260	110	
Leaf	11-17	FWD	71000(*)	71000(*)	96,96	N/A	81260	110	
Maxima	16-18	FWD	OEMA 72295	OEMA	105	N/A	81260	110	
Maxima	04-14	FWD	72050/85130 22052/ 85130 72055/ 85130	72050/85130 72052/ 85130 72055/ 85130	99/ 169 99/ 169 100/ 169	N/A	81260	110	
Maxima	95-03	FWD	N/A	N/A		N/A	81260	110	
Maxima	85-94	FWD	67010	OEMA	WB	N/A	81250	110	
Maxima	82-84	RWD	N/A	N/A		N/A	83115/ 73010(4)	117/ 165	
Murano Inc. CrossCabriolet	03-18	FWD/AWD	OEMA	OEMA		N/A	81260	110	
NV 1500/2500/3500 Passenger Van	12-18	RWD	N/A	N/A		OEMA	OEMA		
NV200	13-18	FWD	N/A	N/A		N/A	81260	110	
NX	91-94	FWD	81250	OEMA	110	N/A	81250	110	
Pathfinder	13-18	FWD/AWD	OEMA	OEMA		N/A	81260	110	
Pathfinder	05-12	RWD/4WD	OEMA	OEMA		25540 87520	25540 87520	76,76 125,125	
Pathfinder	96-04	RWD/4WD	N/A	N/A		N/A	81260	110	
Pathfinder	87-95	RWD/4WD	N/A	N/A		35080(*)	35080(*)	78,78	
Pickup	86-97	RWD/4WD	N/A	N/A		35080(*)	35080(*)	78,78	
Pulsar	87-90	FWD	81250	OEMA	110	N/A	OEMA 81250	110	
Pulsar	83-86	FWD	N/A	N/A		N/A	81250	110	
Quest	04-17	FWD	OEMA	OEMA		N/A	81260	110	
Quest	93-02	FWD	75400(1)	75400(1)	109,109	N/A	81250	110	
Rogue	14-18	FWD/AWD	OEMA	OEMA		N/A	N/A		
Rogue	08-13	FWD/AWD	N/A	OEMA		N/A	81260	110	
Rogue Select	14-15	FWD/AWD	N/A	OEMA		N/A	81260	110	
Rogue Sport	17-18	FWD/AWD	OEMA	OEMA		N/A	N/A		
Sentra <i>NOTE: Vehicles with rear disc brakes may also need #75970 - pg. 109</i>	13-18	FWD	75610(1)	75610(1)	108,108	N/A	81260	110	
Sentra	07-12	FWD	71700	71700	97,97	N/A	81260	110	
Sentra	95-06	FWD	N/A	N/A		N/A	81250	110	
Sentra Wagon	87-90	4WD	81250	OEMA	110	N/A	OEMA 81250	110	
Sentra	87-94	FWD	81250	OEMA	110	N/A	OEMA 81250	110	
Sentra	83-86	FWD	N/A	N/A		N/A	81250	110	

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NISSAN-cont.			REAR			Thrust Plate	FRONT		
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Stanza	87-92	FWD	67010	OEMA	WB		N/A	81250	110
Stanza Wagon	85-88	FWD	N/A	N/A			N/A	81250	110
Stanza Wagon	85-88	4WD	81260	OEMA	110		N/A	81250	110
Stanza	82-86	FWD	N/A	OEMA			N/A	81250	110
Titan Except XD	16-18	RWD/4WD	N/A	N/A		■	OEMA 25560 87520	OEMA 25560 87520	76,76 125,125
Titan XD only	16-18	RWD/4WD	N/A	N/A		■	OEMA 87520	OEMA 87520	125,125
Titan	04-15	RWD/4WD	N/A	N/A		■	25560 87520	25560 87520	76,76 125,125
Versa Incl. Note	12-18	FWD	75200(1)	75200(1)	109,109		N/A	81260	110
Versa <i>NOTE: Vehicles with rear disc brakes may also need #75970 - pg. 109</i>	07-11	FWD	75610(1)	75610(1)	108,108		N/A	81260	110
Xterra	05-15	RWD/4WD	N/A	N/A		■	25540 87520	25540 87520	76,76 125,125
Xterra	00-04	RWD/4WD	N/A	N/A			OEMA	OEMA	
OLDSMOBILE									
442 <i>Pro Springs-pg. 130 94391, (64-67), 94392, (68-72) 94001, upper ball joint-pg. 127</i>	64-72	RWD	N/A	N/A			47700(*) 97110 94344(22)	47700(*) 97110	78,78 132,132 129
88	86-99	FWD	81280 82120/ 85130	OEMA	110 114/ 169		OEMA/ 85130	81280 82120/ 85130	169 /110 114/ 169
88 <i>94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127</i>	7-85	RWD	N/A	N/A			47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130
98	85-99	FWD	81280 82120/ 85130	OEMA	110 114/ 169		OEMA	81280 82120/ 85130	110 114/ 169
98	77-84	RWD	N/A	N/A			47700(*)	47700(*)	78,78
Achieva	96-98	FWD	75400(1)	75400(1)	109,109		N/A	81260	110
Achieva	92-95	FWD	75400(1)	75400(1)	109,109		N/A	81280 82120/ 85130	110 114/ 169
Alero	99-04	FWD	81250	OEMA	110		N/A	81260	110
Aurora	95-03	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	109 109,109 109		OEMA/ 85130	81280 82120/ 85130	169 /110 114/ 169
Bravada	02-04	RWD/4WD	N/A	N/A			OEMA/ 83785	OEMA/ 83785	169,169
Bravada	91-01	4WD	N/A	N/A		■	OEMA 83710	OEMA 83710	117,117
Custom Cruiser	80-92	RWD	N/A	N/A			47700(*)	47700(*)	78,78
Cutlass	97-99	FWD	81250	OEMA	110		N/A	81260	110
Cutlass Inc. Supreme <i>94390, Pro Springs-pg. 130 94006, upper ball joint-pg. 127</i>	78-88	RWD	N/A	N/A			47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131
Cutlass Inc. Supreme <i>94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127</i>	73-77	RWD	N/A	N/A			47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130
Cutlass Inc. Supreme <i>Pro Springs-pg. 130 94391, (64-67), 94392, (68-72) 94001, upper ball joint-pg. 127</i>	64-72	RWD	N/A	N/A			47700(*) 97110 94344(22)	47700(*) 97110	78,78 132,132 129
Cutlass Calais	85-91	FWD	75400(1)	75400(1)	109,109		N/A	81280 82120/ 85130	110 114/ 169

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Cutlass Ciera Incl. Cruiser	82-96	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109		N/A	82110/85130	114/169
Cutlass Supreme	88-97	FWD	81280 82120/85130	OEMA/83850	110/169 114/169		N/A	N/A	
Firenza	82-89	FWD	75400(1)	75400(1)	109,109		N/A	81280 82120/85130	110 114/169
Intrigue	97-02	FWD	81260	OEMA/83850	110/169		N/A	81260	110
LSS	98-99	FWD	81280 82120/85130	OEMA	110 114/169		OEMA	81280 82120/85130	110 114/169
Omega	80-84	FWD	75400(1)	75400(1)	109,109		N/A	82110/85130	114/169
Omega 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	75-79	RWD	N/A	N/A			47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130
Regency	97-99	FWD	81280 82120/85130	OEMA	110 114/169		OEMA	81280 82120/85130	110 114/169
Silhouette	02-04	AWD	OEMA	OEMA			N/A	81260	110
Silhouette	97-04	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109		N/A	81260	110
Silhouette	90-96	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109		N/A	82110/85130	114/169
Toronado	86-92	FWD	75600(1) 75800(1)	OEMA/83775 75600(1) 75800(1)	109/169 109,109		OEMA	OEMA 81280 82120/85130	110 114/169
Toronado	78-85	FWD	75600(1) 75800(1)	OEMA/83775 75600(1) 75800(1)	109/169 109,109		OEMA	OEMA	

PETERBILT

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PLYMOUTH

All Passenger B & E Bodies 94009, upper ball joint-pg. 127	62-64	RWD	N/A	N/A			OEMA 94450, 94451	OEMA 94450, 94451	131,131
All Pass. Car Models Except B & E	60-73	RWD	N/A	N/A			OEMA 83160	OEMA 83160	117,117
Acclaim	89-94	FWD	75200(1)	75200(1)	109,109		N/A	OEMA 83170/85130	117/169
Barracuda 94009, upper ball joint-pg. 127	70-74	RWD	N/A	N/A			OEMA 94450, 94451	OEMA 94450, 94451	131,131
Belvedere 94009, upper ball joint-pg. 127	65-70	RWD	N/A	N/A			OEMA 94450, 94451	OEMA 94450, 94451	131,131
Breeze	96-00	FWD	OEMA	OEMA			N/A	67180/40920	83/161
Caravelle	84-88	FWD	75200(1)	75200(1)	109,109		N/A	OEMA 83170/85130	117/169
Colt Vista	92-94	FWD	N/A	OEMA			N/A	81250	110
Colt Vista	85-94	4WD	N/A	OEMA			OEMA	81250	110
Colt Vista	84-91	FWD	N/A	N/A			N/A	81250	110
Conquest	84-86	RWD	N/A	N/A			N/A	N/A	
Duster 94009, upper ball joint-pg. 127	73-76	RWD	N/A	N/A			OEMA 94460, 94461	OEMA 94460, 94461	131,131
Gran Fury	65-89	RWD	N/A	N/A			OEMA	OEMA	
GTX 94009, upper ball joint-pg. 127	67-71	RWD	N/A	N/A			OEMA 94450, 94451	OEMA 94450, 94451	131,131
Horizon	78-90	FWD	75200(1)	75200(1)	109,109		N/A	OEMA 83170/85130	117/169
Laser	92-94	AWD	OEMA	OEMA			N/A	81250	110
Laser	89-94	FWD	N/A	N/A			N/A	81250	110
Neon	94-01	FWD	67210 81250	OEMA 67210	86 110,86		N/A	81260	110

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PLYMOUTH-cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Prowler	97-02	RWD	N/A	N/A		OEMA	OEMA		
Reliant	81-89	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/169	
Roadrunner <i>94009, upper ball joint-pg. 127</i>	68-72	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	131,131	
Sapporo	80-83	RWD	N/A	N/A		N/A	N/A		
Satellite <i>94009, upper ball joint-pg. 127</i>	65-72	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	131,131	
Scamp	82-85	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/169	
Sundance	87-94	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/169	
Trailduster	74-81	RWD	N/A	N/A		OEMA 83160	OEMA 83160	117,117	
Trailduster	74-81	4WD	N/A	N/A		23000(*)/ 4169	23000(*)/ 4169	68/ 159	
Turismo	79-87	FWD	75200(1)	75200(1)	109,109	N/A	OEMA 83170/ 85130	117/169	
Valiant <i>94009, upper ball joint-pg. 127</i>	73-76	RWD	N/A	N/A		OEMA 94460, 94461	OEMA 94460, 94461	131,131	
Voyager	96-01	AWD	N/A	N/A		N/A	OEMA 83170/ 85130	117/169	
Voyager	96-01	FWD	71700(*)	71700(*)	97,97	N/A	OEMA 81260 83170/ 85130	110 117/169	
Voyager	90-95	AWD	N/A	N/A		N/A	OEMA 83170/ 85130	117/169	
Voyager	84-95	FWD	75400(1)	75400(1)	109,109	N/A	OEMA 83170/ 85130	117/169	
PONTIAC									
6000	82-91	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109	N/A	82110/ 85130	114/ 169	
Aztek	01-06	AWD	OEMA	OEMA		N/A	81260	110	
Aztek	01-06	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109	N/A	81260	110	
Bonneville	00-05	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109	N/A	81280 82120/ 85130	110 114/ 169	
Bonneville	87-99	FWD	81280 82120/ 85130	OEMA	110 114/ 169	OEMA/ 85130	81280 82120/ 85130	169 /110 114/ 169	
Bonneville <i>94390, Pro Spring-pg. 130</i> <i>94006, upper ball joint-pg. 127</i>	82-86	RWD	N/A	N/A		47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131	
Bonneville	77-81	RWD	N/A	N/A		47700(*) 94378(22)	47700(*)	78,78 130	
Bonneville <i>94006, upper ball joint-pg 127</i> <i>94017, ext. upper ball joint-pg. 127</i>	71-76	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Catalina	65-81	RWD	N/A	N/A		47700(*)	47700(*)	78,78	
Fiero	84-88	RWD	82110/ 85130	OEMA	114/ 169	OEMA	OEMA		
Firebird	93-02	RWD	N/A	N/A		OEMA/ 83775	OEMA/ 83775	169,169	
Firebird F-Body	82-92	RWD	N/A	N/A		OEMA	OEMA 81280 82120/ 85130	110 114/ 169	
Firebird <i>94006, upper ball joint-pg 127</i> <i>94017, ext. upper ball joint-pg. 127</i>	70-81	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	

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Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	
Firebird F-Body 94393, Pro Springs-pg. 130 94001, upper ball joint-pg. 127	67-69	RWD	N/A	N/A		47700(*) 97120 94374(22)	47700(*) 97120	78,78 132,132 130	
Firefly	85-91	FWD	N/A	N/A		N/A	81250	110	
Grand Am	99-05	FWD	81250	OEMA	110	N/A	81260	110	
Grand Am	96-98	FWD	75400(1)	75400(1)	109,109	N/A	81260	110	
Grand Am	88-95	FWD	75400(1)	75400(1)	109,109	N/A	81280 82120/85130	110 114/169	
Grand Am 94390, Pro Spring-pg. 130 94006, upper ball joint-pg. 127	78-80	RWD	N/A	N/A		47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131	
Grand Am 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	73-75	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Grand Prix	97-08	FWD	81260	OEMA	110	N/A	81260	110	
Grand Prix	95-96	FWD	81280 82120/85130	OEMA/83850	110/169 114/169	N/A	N/A/85130	169	
Grand Prix	88-94	FWD	81280	OEMA	110	N/A	N/A/85130	169	
Grand Prix 94390, Pro Spring-pg. 130 94006, upper ball joint-pg. 127	78-87	RWD	N/A	N/A		47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131	
Grand Prix 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	73-77	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Grand Prix	65-72	RWD	N/A	N/A		47700(*)	47700(*)	78,78	
GTO	04-06	RWD	N/A	OEMA		OEMA	OEMA 81260	110	
GTO Pro Springs-pg. 130 94391, (64-67), 94392, (68-72) 94001, upper ball joint-pg. 127	64-72	RWD	N/A	N/A		47700(*) 97110 94344(22)	47700(*) 97110	78,78 132,132 129	
G3 Wave	05-10	FWD	75200(15)	75200(15)	109,109	N/A	81250	110	
G5	07-09	FWD	75400(1)	75400(1)	109,109	N/A	81250	110	
G6	05-10	FWD	OEMA 75400(17) 82100	OEMA 75400(17) 82100	109,109 113,113	N/A	81250	110	
G8	08-09	RWD	OEMA 87430	OEMA 87430	125,125	OEMA	81260	110	
LeMans	88-94	FWD	N/A	N/A		N/A	N/A		
LeMans 94390, Pro Spring-pg. 130 94006, upper ball joint-pg. 127	78-81	RWD	N/A	N/A		47700(*) 97140 95336(22)	47700(*) 97140	78,78 132,132 131	
LeMans 94006, upper ball joint-pg. 127 94017, ext. upper ball joint-pg. 127	73-77	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
LeMans Pro Springs-pg. 130 94391, (64-67), 94392, (68-72) 94001, upper ball joint-pg. 127	64-72	RWD	N/A	N/A		47700(*) 97110 94344(22)	47700(*) 97110	78,78 132,132 129	
Montana SV6	02-07	AWD	OEMA	OEMA		N/A	81260	110	
Montana SV6	97-07	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109	N/A	81260	110	
Phoenix	80-84	FWD	75400(1)	75400(1)	109,109	N/A	82110/85130	114/169	
Safari SW	80-89	RWD	N/A	N/A		47700(*)	47700(*)	78,78	

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PONTIAC-cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Solstice	06-10	RWD	OEMA 82070	OEMA 82070	113,113	OEMA 82070	OEMA 82070	113,113	
Sunbird	82-94	FWD	75400(1)	75400(1)	109,109	N/A	81280 82120/85130	110 114/169	
Sunfire	95-06	FWD	75400(1)	75400(1)	109,109	N/A	81260	110	
Tempest	95-06	FWD	75400(1)	75400(1)	109,109	N/A	81260	110	
Tempest <i>Pro Springs-pg. 130 94391, (64-67), 94392, (68-72) 94001, upper ball joint-pg. 127</i>	64-70	RWD	N/A	N/A		47700(*) 97110 94344(22)	47700(*) 97110	78,78 132,132 129	
Torrent	06-09	FWD/AWD	OEMA 87420	OEMA 87420	124,124	N/A	81260	110	
Trans Am F-Body	93-02	RWD	N/A	N/A		OEMA/83775	OEMA/83775	169/167	
Trans Am F-Body	82-92	RWD	N/A	N/A		OEMA	OEMA/8292 81280 82120/85130	110 14/169	
Trans Am F-Body <i>94006, upper ball joint-pg 127 94017, ext. upper ball joint-pg. 127</i>	70-81	RWD	N/A	N/A		47700(*) 97130 94378(22)	47700(*) 97130	78,78 132,132 130	
Trans Am F-Body	69-69	RWD	N/A	N/A		47700(*) 97120 94374(22)	47700(*) 97120	78,78 132,132 130	
Trans Sport	97-99	FWD	75600(1)	75600(1)	109,109	N/A	81260	110	
Trans Sport	90-96	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109	N/A	82110/85130	14/169	
T1000	81-87	RWD	N/A	N/A		OEMA	OEMA		
Vibe	03-10	AWD	OEMA	OEMA		N/A	81290	110	
Vibe <i>Vehicles with rear disc brakes may also need #75970-pg. 109</i>	03-10	FWD	75610(1)	75610(1)	108,108	N/A	81290	110	

PORSCHE									
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
911 (991)	12-18	RWD/AWD	OEMA	OEMA 72645	106		N/A	OEMA	
911 Except GT2/GT3 (997)	06-11	RWD/AWD	OEMA 72610/ 37995, 72120	OEMA 72630 72640 72645	106,106 106/160,165 106		N/A	OEMA	
911 GT2/GT3 (997)	06-11	RWD/AWD	OEMA	OEMA 72645	106		N/A	OEMA	
911 (996)	99-05	RWD/AWD	OEMA 72610/ 37995, 72120	OEMA 72630 72640 72645	106,106 106/160,165 106		N/A	OEMA	
911	80-98	RWD/AWD	OEMA	OEMA			N/A	OEMA	
924	77-88	RWD	OEMA	OEMA			OEMA	81250	110
928	80-96	RWD	OEMA	OEMA			OEMA	OEMA	
944	82-91	RWD	OEMA	OEMA			OEMA	OEMA 81250	110
968	92-95	RWD	OEMA	OEMA			OEMA	OEMA	
Boxster (718)	17-18	RWD	OEMA	OEMA			N/A	OEMA	
Boxster (987/981)	05-16	RWD	OEMA 72610/ 37995, 72120	OEMA 72630 72640 72645	106,106 106/160,165 106		N/A	OEMA	
Boxster (986)	97-04	RWD	OEMA 72610/ 37995, 72120	OEMA 72630 72640 72645	106,106 106/160,165 106		N/A	OEMA	

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Model/Body Style	Year	Drive Type	R E A R			Thrust Plate	F R O N T		
			CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Cayenne	04-18	AWD	OEMA	OEMA			OEMA	OEMA	
Cayman (718)	17-18	RWD	OEMA	OEMA			N/A	OEMA	
Cayman (987/981)	06-16	RWD	OEMA 72610/ 37995, 72120	OEMA 72630 72640 72645	106,106 106/ 160,165 106		N/A	OEMA	
Macan	15-18	AWD	OEMA	OEMA			N/A	OEMA	
Panamera	17-18	RWD/AWD	OEMA	OEMA			N/A	OEMA	
Panamera	10-16	RWD/AWD	OEMA	OEMA 72645			N/A	OEMA	

RAM

1500	11-18	RWD/4WD	N/A	N/A			OEMA 23940/ 72509 82420/ 37995	OEMA 23940/ 72509 82420/ 37995	72/ 165 116/ 160
2500 <i>23610, 23615, Tie Rod Adj. Sleeves-pg. 71</i>	14-18	RWD	N/A	N/A			OEMA	OEMA	
2500 <i>23610, 23615, Tie Rod Adj. Sleeves-pg. 71</i>	14-18	4WD	N/A	N/A			23800(*)/ 72509, 23780 82387(16)	23800(*)/ 72509, 23780	72,72 165,159 116
2500	11-13	RWD	N/A	N/A		■	OEMA	OEMA	
2500	11-13	4WD	N/A	N/A		■	23800(*)/ 72509, 23780 82386(16)	23800(*)/ 72509, 23780	72,72 165,159 116
3500 w/ mono beam axle <i>23610, 23615, Tie Rod Adj. Sleeves-pg. 71</i>	14-18	RWD	N/A	N/A		■	23800(*)/ 72509, 23780 82387(16)	23800(*)/ 72509, 23780	72,72 165,159
3500 w/o mono beam axle <i>23610, 23615, Tie Rod Adj. Sleeves-pg. 71</i>	14-18	RWD	N/A	N/A		■	OEMA	OEMA	
3500 <i>23610, 23615, Tie Rod Adj. Sleeves-pg. 71</i>	14-18	4WD	N/A	N/A		■	23800(*)/ 72509, 23780 82387(16)	23800(*)/ 72509, 23780	72,72 165,159 116
3500 w/ mono beam axle	11-13	RWD	N/A	N/A		■	23800(*)/ 72509, 23780 82386(16)	23800(*)/ 72509, 23780	72,72 165,159 116
3500 w/o mono beam axle	11-13	RWD	N/A	N/A		■	OEMA	OEMA	
3500	11-13	4WD	N/A	N/A		■	23800(*)/ 72509, 23780 82386(16)	23800(*)/ 72509, 23780	72,72 165,159 116
4500 / 5500	11-18	RWD/4WD	N/A	N/A		■	N/A	23850(*)/ 88360	72/ 171
C/V Tradesman	12-15	AWD	N/A	N/A			N/A	OEMA 81260 83170/ 85130	110 117/ 169
C/V Tradesman	12-15	FWD	71700(* 1)	71700(* 1)	97,97		N/A	OEMA 81260 83170/ 85130	110 117/ 169
Promaster	14-18	FWD	N/A	N/A			N/A	N/A	
Promaster City	15-18	FWD	N/A	N/A			N/A	81250	110

SAAB

9-2X	05-07	AWD	67640 81260	OEMA 67640	92 110,92		N/A	81260	110
9-3	08-12	FWD/AWD	OEMA 82100	OEMA 82100	113,113		N/A	81250	110
9-3	03-09	FWD	OEMA 82100	OEMA 82100	113,113		N/A	81250	110
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	11-11	FWD/AWD	N/A	N/A			N/A	N/A	

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SAAB-cont.			REAR			FRONT			
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
9-5	10-12	FWD/AWD	N/A	N/A			N/A	N/A	
9-5 w/ Auto Leveling Headlights	00-09	FWD	N/A	OEMA			N/A	81250	110
9-5 w/o Auto Leveling Headlights	00-09	FWD	67270	OEMA	84		N/A	81250	110
9-7X	05-09	AWD	N/A	N/A			N/A/83785	OEMA/83785	169,169
900	94-99	FWD	N/A	N/A			N/A	N/A	
900	80-93	FWD	N/A	N/A			47700(*)	47700(*)	78,78
9000	86-98	FWD	N/A	N/A			N/A	81250	110
99	80-80	FWD	N/A	N/A			47700(*)	47700(*)	78,78
SATURN									
Astra	08-09	FWD	N/A	N/A			N/A	81250	110
Aura	07-09	FWD	OEMA 75400(17) 82100	OEMA 75400(17) 82100	109,109 113,113		N/A	81250	110
Ion	03-07	FWD	75400(1)	75400(1)	109,109		N/A	81250	110
L-Series	00-05	FWD	67270	OEMA	84		N/A	81250	110
Outlook	07-10	FWD/AWD	OEMA 82105, 82106	OEMA 82105, 82106	1147,114		N/A	81280	110
Relay	05-08	AWD	OEMA	OEMA			N/A	81260	110
Relay	05-08	FWD	75600(1) 75800(1)	75600(1) 75800(1)	109,109 109,109		N/A	81260	110
S-Series	91-02	FWD	81260	OEMA 85600	110 WB		OEMA	81260	110
Sky	07-10	RWD	OEMA 82070	OEMA 82070	113,113		OEMA 82070	OEMA 82070	113,113
Vue	06-09	FWD/AWD	OEMA 87420	OEMA 87420	124,124		N/A	81260	110
Vue	02-05	FWD/AWD	OEMA	OEMA			N/A	81260	110
SCION									
FR-S	13-16	RWD	67660/ 67647, 72509	OEMA 67655/ 37995	93 164,165/92 160		N/A	81305	111
iA	16-16	FWD	N/A	N/A			N/A	81250	110
iM	16-16	FWD	67487	OEMA 67800	89 94		N/A	81290	110
iQ	11-15	FWD	75600(1)	75600(1)	109,109		N/A	81270	110
tC	11-16	FWD	67487 75600(1)	OEMA 67800 75600(1)	89 109,94 109		N/A	81290	110
tC	05-10	FWD	OEMA 67485	OEMA	89		N/A	81290	110
xA	04-07	FWD	75600(1)	75600(1)	109,109		N/A	81260	110
xB	08-15	FWD	75600(1)	75600(1)	109,109		N/A	81290	110
xB	04-07	FWD	75600(1)	75600(1)	109,109		N/A	81260	110
xD	08-14	FWD	75600(1)	75600(1)	109,109		N/A	81270	110
SMART									
Fortwo	17-18	RWD	N/A	N/A			N/A	81260	110
Fortwo Electric Drive	16-16	RWD	N/A	N/A			N/A	N/A	
Fortwo Gas Engine	16-16	RWD	N/A	N/A			N/A	81260	110
Fortwo	07-15	RWD	N/A	N/A			N/A	N/A	
STERLING									
Bullet 45	08-10	RWD/4WD	N/A	N/A			N/A	23850(*)/88360	72/171
Bullet 55	08-10	RWD/4WD	N/A	N/A			N/A	23850(*)/88360	72/171

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SUBARU			R E A R			Thrust Plate	F R O N T		
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Baja	03-06	AWD	67665	OEMA 67667, 67668	93 93,93	N/A	OEMA 81305	111	
BRZ	13-18	RWD	67660/ 67647, 72509	OEMA 67655/ 37995	93 164,165/92 160	N/A	OEMA 81305	111	
Crosstrek	16-18	AWD	67660/ 67647, 72509	OEMA 67655/ 37995	93 164,165/92 160	N/A	OEMA 81305	111	
Forester	09-18	AWD	67660/ 67647, 72509	OEMA 67655/ 37995	93 164,165/92 160	N/A	OEMA 81305	111	
Forester	98-08	AWD	81260	OEMA	110	N/A	OEMA 81305	111	
Impreza	17-18	AWD	67660/ 67647, 72509	OEMA	93 164,165	N/A	OEMA 81305	111	
Impreza	08-16	AWD	67660/ 67647, 72509	OEMA 67655/ 37995	93 164,165/92 160	N/A	OEMA 81305	111	
Impreza	93-07	AWD	67640 81260	OEMA 67640	92 110,92	N/A	OEMA 81305	111	
Justy	87-94	FWD/AWD	N/A	OEMA		N/A	N/A		
Legacy	10-18	AWD	67660/ 67647, 72509	OEMA 67655/ 37995	93 164,165/92 160	N/A	OEMA 81305	111	
Legacy	00-09	AWD	67665	OEMA 67667, 67668	93 93,93	N/A	OEMA 81305	111	
Legacy	90-99	AWD	67640 81260	OEMA 67640	92 110,92	N/A	OEMA 81305	111	
Outback	10-18	AWD	67660/ 67647, 72509	OEMA 67655/ 37995	93 164,165/92 160	N/A	OEMA 81305	111	
Outback	00-09	AWD	67665	OEMA 67667, 67668	93 93,93	N/A	OEMA 81305	111	
Outback	90-99	AWD	67640 81260	OEMA 67640	92 110,92	N/A	OEMA 81305	111	
SVX	92-97	FWD/AWD	67640 81260	OEMA	92 110	N/A	OEMA 81305	111	
Tribeca	11-15	AWD	N/A	OEMA		N/A	OEMA 81305	111	
Tribeca	06-10	AWD	N/A	OEMA 67667, 67668	93,93	N/A	OEMA 81305	111	
WRX Incl. STi	08-18	AWD	67660/ 72509, 67647	OEMA 67655/ 37995	93 164,165/92 160	N/A	OEMA 81305	111	
WRX Incl. STi	02-07	AWD	67640 81260	OEMA 67640	92 110,92	N/A	OEMA 81305	111	
XV Crosstrek	12-15	AWD	67660/ 72509, 67647	OEMA 67655/ 37995	93 164,165/92 160	N/A	OEMA 81305	111	
SUZUKI									
Aerio Incl. SX	03-07	FWD/AWD	81250	OEMA	110	N/A	81250	110	
Equator	09-12	RWD/4WD	N/A	N/A		25540 87520	25540 87520	76,76 125,125	
Esteem	95-02	FWD/AWD	81250	OEMA	110	OEMA	81250	110	
Forenza Incl. Wgn	04-08	FWD	81250	OEMA	110	N/A	81250	110	
Forsa	85-88	FWD	N/A	N/A		N/A	81250	110	
Grand Vitara	99-12	FWD/AWD	N/A	N/A		N/A	81250	110	
Kizashi	10-13	FWD/AWD	OEMA	OEMA		N/A	81260	110	
Reno	05-09	FWD	81250	OEMA	110	N/A	81250	110	

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Samurai	86-96	RWD	N/A	N/A			N/A	N/A	
Samurai	86-96	4WD	N/A	N/A			88905	88905	WB,WB
Sidekick	89-98	RWD/4WD	N/A	N/A			N/A	81250	110
Swift	89-01	FWD	N/A	OEMA			OEMA	81250	110
SX4	07-12	FWD/AWD	N/A	N/A			N/A	81260	110
Verona	04-08	FWD	N/A	OEMA			OEMA	81250	110
Vitara	99-04	FWD/AWD	N/A	N/A			N/A	81250	110
X-90	97-01	RWD/4WD	N/A	N/A			N/A	81250	110
XL-7	07-11	FWD/AWD	OEMA 87420	OEMA 87420	124,124		N/A	81260	110
XL-7	01-06	RWD/4WD	N/A	N/A			N/A	81250	110
TESLA									
Model 3	18-18	RWD/AWD	N/A	OEMA			N/A	N/A	
Model S	12-18	RWD	N/A	OEMA			OEMA	OEMA	
Model X	16-18	AWD	N/A	OEMA			OEMA	OEMA	
TOYOTA									
4Runner	10-18	RWD/4WD	N/A	N/A			OEMA 25440/ 40915 25480	OEMA 25440/ 40915 25480	74/ 161 75,75
4Runner	03-09	RWD/4WD	N/A	N/A			OEMA 25435/ 40915 25480	OEMA 25435/ 40915 25480	74/ 161 75,75
4Runner	96-02	RWD/4WD	N/A	N/A			OEMA 25430/ 40915 25460	OEMA 25430/ 40915 25460	74/ 161 75,75
4Runner	90-95	RWD	N/A	N/A			47700(*)	47700(*)	78,78
4Runner	90-95	4WD	N/A	N/A			OEMA 25425	OEMA 25425	74,74
4Runner	86-89	4WD	N/A	N/A		■	OEMA 25425	OEMA 25425	74,74
4Runner	84-85	4WD	N/A	N/A		■	OEMA 88901(*)	OEMA 88901(*)	WB,WB
4Runner	84-89	RWD	N/A	N/A		■	47700(*)	47700(*)	78,78
86	17-18	RWD	67660/ 72509, 67647	OEMA 67655/ 37995	93 164,165/92 160		N/A	81305	111
Avalon	13-18	FWD	81290	N/A	110		N/A	81290	110
Avalon	95-12	FWD	81270	OEMA	110		N/A	81290 82120/ 85130	110 114/ 169
C-HR	18-18	FWD	N/A	OEMA			N/A	81290	110
Camry Inc. Hybrid	12-18	FWD	81290	OEMA	110		N/A	81290	110
Camry Inc. Hybrid	92-11	FWD	81270	OEMA	110		N/A	81290 82120/ 85130	110 114/ 169
Camry	88-91	FWD/AWD	81270	OEMA	110		85690, 85695	81290 82120/ 85130	WB,110 114/ 169
Camry Wagon	88-96	FWD/AWD	81270	OEMA	110		85690, 85695	81290 82120/ 85130	WB,110 114/ 169
Camry	83-87	FWD/AWD	81270	OEMA	110		OEMA 85690, 85695	OEMA 81290 82120/ 85130	WB,110 114/ 169
Carina	72-73	RWD	N/A	N/A			N/A	N/A	

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Celica	00-05	FWD	OEMA 67440	OEMA	87		N/A	81270	110
Celica All-Trac	89-92	AWD	N/A	N/A			N/A	81270	110
Celica	86-99	FWD	81270	OEMA	110		N/A	81270	110
Celica Inc Supra	71-85	RWD	N/A	N/A			N/A	N/A	
Corolla iM	17-18	FWD	67487	OEMA 67800	89 94		N/A	81290	110
Corolla	09-18	FWD	75600(1)	75600(1)	109,109		N/A	81290	110
Corolla	03-08	FWD	75610(1)	75610(1)	109,109		N/A	81270	110
<i>Vehicles with rear disc brakes may also need #75970-pg. 109</i>									
Corolla All-Trac	89-92	AWD	N/A	N/A			N/A	81270	110
Corolla	88-02	FWD	81250	OEMA	110		N/A	81270	110
Corolla	84-87	FWD	81250	OEMA	110		N/A	81250	110
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	WB,WB
Cressida	83-84	RWD	N/A	OEMA			OEMA	N/A	
Cressida Wagon	83-88	RWD	N/A	N/A			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	
Echo	00-06	FWD	75600(1)	75600(1)	109,109		N/A	81260	110
FJ Cruiser	10-14	RWD/4WD	N/A	N/A			OEMA 25440/ 40915 25480	OEMA 25440/ 40915 25480	74/ 161 75,75
FJ Cruiser	07-09	RWD/4WD	N/A	N/A			OEMA 25435/ 40915 25480	OEMA 25435/ 40915 25480	74/ 161 75,75
Highlander	14-18	FWD/AWD	N/A	OEMA			N/A	81290	110
Highlander	08-13	FWD/AWD	81290	OEMA	110		N/A	81290	110
Highlander	01-07	FWD/AWD	81270	OEMA	110		N/A	81290	110
Land Cruiser 200 Series	08-18	4WD	N/A	N/A			OEMA 25450/ 40915 25465	OEMA 25450/ 40915 25465	74/ 161 75,75
Land Cruiser 100 Series	98-07	4WD	N/A	N/A			OEMA 25455	OEMA 25455	75,75
Land Cruiser 80 Series	91-97	4WD	N/A	N/A		■	88915, 88920	88915, 88920	126,126
Land Cruiser 40 60 70 Series	65-90	4WD	N/A	N/A		■	88901(*)	88901(*)	WB,WB
Matrix	03-13	AWD	OEMA	OEMA			N/A	81290	110
Matrix	03-13	FWD	75610(1)	75610(1)	108,108		N/A	81290	110
<i>Vehicles with rear disc brakes may also need #75970-pg. 109</i>									
Mirai	16-18	FWD	N/A	N/A			N/A	81290	110
MR2	91-97	RWD	81270	OEMA	110		OEMA	81270	110
MR2	85-90	RWD	OEMA 81250	OEMA			OEMA	OEMA 81250	110
MR2 Spyder	00-05	RWD	81270	OEMA	110		OEMA	81260	110
Paseo	92-97	FWD	N/A	N/A			N/A	81270	110
Pickup	86-94	4WD	N/A	N/A		■	OEMA 25425/ 40915	OEMA 25425/ 40915	74/ 161
Pickup	79-85	4WD	N/A	N/A		■	OEMA 88901(*)	OEMA 88901(*)	WB,WB
Pickup	74-94	RWD	N/A	N/A		■	47700(*)	47700(*)	78,78
Previa	90-97	RWD/AWD	N/A	N/A			N/A	81290 82120/ 85130	110 114/ 169

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TOYOTA-cont.			REAR			FRONT			
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Prius Incl. Prime	16-18	FWD	N/A	OEMA			N/A	81290	110
Prius V	12-17	FWD	N/A	N/A			N/A	81290	110
Prius C	12-18	FWD	N/A	N/A			N/A	81270	110
Prius	10-15	FWD	75600(1)	75600(1)	109,109		N/A	81290	110
Prius	01-09	FWD	75600(1)	75600(1)	109,109		N/A	81270	110
RAV4	11-18	FWD/AWD	67810, 67811	67806/ 37995	95,95,95 160		N/A	81290	110
RAV4	06-10	FWD/AWD	67810, 67811	67805, 67806/ 37995	95,95,95,95 160		N/A	81290	110
RAV4	01-05	FWD/AWD	OEMA 25380	OEMA 25380	74,74		N/A	81270	110
RAV4	96-00	FWD/AWD	OEMA	OEMA			N/A	81270	110
Sequoia	08-18	RWD/4WD	OEMA	OEMA			OEMA 25450/40915 25490	OEMA 25450/40915 25490	74/161 75,75
Sequoia	01-07	RWD/4WD	N/A	N/A			OEMA 25445/40915 25485	OEMA 25445/40915 25485	74/161 75,75
Sienna	11-18	FWD/AWD	71600(*)	71600(*)	97,97		N/A	81290	110
Sienna	04-10	AWD	N/A	N/A			N/A	81290 82120/85130	110 114/169
Sienna	98-10	FWD	71000(*)	71000(*)	96,96		N/A	81290 82120/85130	110 114/169
Solara	92-09	FWD	81270	OEMA	110		N/A	81290 82120/85130	110 114/169
Starlet	81-84	RWD	N/A	N/A			85690, 85695	N/A	WB, WB
Supra Mark 4	92-02	RWD	OEMA	OEMA			OEMA	OEMA	
Supra Mark 3	86-91	RWD	OEMA	OEMA			OEMA	OEMA	
Supra Mark 2 Celica	82-85	RWD	N/A	OEMA			OEMA	N/A	
Supra Mark 1 Celica	78-81	RWD	N/A	N/A			OEMA	N/A	
Tacoma w/6 lug axle	16-18	RWD	N/A	N/A		■	OEMA 25440/40915 25470	OEMA 25440/40915 25470	74/161 75,75
Tacoma	16-18	4WD	N/A	N/A		■	OEMA 25440/40915 25470	OEMA 25440/40915 25470	74/161 75,75
Tacoma w/6 lug axle	05-15	RWD	N/A	N/A		■	OEMA 25435/40915 25470	OEMA 25435/40915 25470	74/161 75,75
Tacoma	05-15	4WD	N/A	N/A		■	OEMA 25435/40915 25470	OEMA 25435/40915 25470	74/161 75,75
Tacoma w/6 lug axle	98-04	RWD	N/A	N/A		■	OEMA 25430/40915 25460	OEMA 25430/40915 25460	74/161 75,75
Tacoma	96-04	4WD	N/A	N/A		■	OEMA 25430/40915 25460	OEMA 25430/40915 25460	74/161 75,75
Tacoma	95-95	4WD	N/A	N/A		■	OEMA 25425/40915 25460	OEMA 25425/40915 25460	74/161 75,75
Tacoma w/5 lug axle	95-18	RWD	N/A	N/A		■	OEMA	OEMA	

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TOYOTA-cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Tercel	87-99	FWD	N/A	N/A		N/A	OEMA 81270	110	
Tercel	83-86	FWD	N/A	N/A		85690, 85695	OEMA 81270	WB, WB 110	
Tercel	83-86	4WD	81250	OEMA	110	85690, 85695	OEMA 81270	WB, WB 110	
Tercel Wagon	83-88	FWD	N/A	OEMA		OEMA	OEMA 81270	110	
Tercel Wagon	83-88	4WD	81250	OEMA	110	85690, 85695	OEMA 81270	WB, WB 110	
Tundra	07-18	RWD/4WD	N/A	N/A		■ OEMA 25450/40915 25490	OEMA 25450/40915 25490	74/161 75,75	
Tundra	99-06	RWD/4WD	N/A	N/A		■ OEMA 25445/40915 25485	OEMA 25445/40915 25485	74/161 75,75	
T100	93-98	RWD	N/A	N/A		■ 47700(*)	47700(*)	78,78	
T100	93-98	4WD	N/A	N/A		■ OEMA 25425/40915	OEMA 25425/40915	74/161	
Van	86-89	RWD/AWD	N/A	N/A		OEMA	OEMA		
Venza	09-15	FWD/AWD	81290	OEMA	110	N/A	81290	110	
Yaris iA	17-18	FWD	N/A	N/A		N/A	81250	110	
Yaris	12-18	FWD	N/A	N/A		N/A	81270	110	
Yaris	07-11	FWD	75600(1)	75600(1)	109,109	N/A	81270	110	

VOLKSWAGEN

Atlas	18-18	FWD/AWD	OEMA	OEMA		N/A	N/A	
Beetle w/Beam Type Rear Susp.	11-18	FWD	N/A	N/A		N/A	N/A	
Beetle w/Multi-Link Rear Susp.	11-18	FWD	OEMA 81335	OEMA	111	N/A	N/A	
Beetle	98-10	FWD	71500(*)/87530	71500(*)/87530	96/170	81340	81340	112,112
Cabrio	95-02	FWD	75200(1)+10408	75200(1)+10408	109,67	N/A	81250	110
Cabriolet	85-94	FWD	75200(1)+10408	75200(1)+10408	109,67	N/A	81250	110
Corrado	90-94	FWD	75200(1)+10408	75200(1)+10408	109,67	N/A	81250	110
CC	09-16	FWD/AWD	OEMA 81335	OEMA	111	N/A	N/A	
Dasher	73-81	FWD	75200(1)+10408	75200(1)+10408	109,67	N/A	OEMA	
Eos	14-16	FWD	OEMA	OEMA		N/A	N/A	
Eos	07-13	FWD	OEMA 81335	OEMA	111	N/A	N/A	
EuroVan	93-08	FWD/AWD	N/A	OEMA		N/A	OEMA	
Fox	87-94	FWD	75200(1)+10408	75200(1)+10408	109,67	N/A	OEMA	
Golf (MK7) w/Beam Type Rear Susp.	15-18	FWD/AWD	N/A	N/A		N/A	N/A	
Golf (MK7) w/IRS-Multi-Link Rear Susp.	15-18	FWD/AWD	OEMA 81335	OEMA	111	N/A	N/A	
Golf	10-14	AWD/FWD	OEMA 81335	OEMA	111	N/A	N/A	
Golf R32	08-08	AWD	OEMA 81335	OEMA	111	N/A	N/A	
Golf R32	04-04	AWD	N/A	N/A		81340	81340	112,112
Golf	99-06	FWD	71500(*)/87530	71500(*)/87530	96/170	81340	81340	112,112
Golf	84-98	FWD	75200(1)+10408	75200(1)+10408	109,67	N/A	81250	110
GLI (A5)	05-18	FWD	OEMA 81335	OEMA	111	N/A	N/A	
GTI	06-18	FWD	OEMA 81335	OEMA	111	N/A	N/A	
GTI	99-06	FWD	71500(*)/87530	71500(*)/87530	96/170	81340	81340	112,112
GTI	82-98	FWD	75200(1)+10408	75200(1)+10408	109,67	N/A	81250	110

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VOLKSWAGEN-cont.			REAR			Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Jetta (A6) w/Beam Type Rear Susp.	11-13	FWD	N/A	N/A		N/A	N/A		
Jetta (A6) w/Multi-Link Rear Susp.	11-18	FWD	OEMA 81335	OEMA	111	N/A	N/A		
Jetta (A5) w/Multi-Link Rear Susp.	05-10	FWD	OEMA 81335	OEMA	111	N/A	N/A		
Jetta (A4) w/Beam Type Rear Susp.	99-05	FWD	71500(*1)/87530	71500(*1)/87530	96/170	81340	81340		
Jetta	80-98	FWD	75200(1)+10408	75200(1)+10408	109,67	N/A	81250	110	
Passat (B7/B8)	11-18	FWD	OEMA 81335	OEMA	111	N/A	N/A		
Passat (B6)	06-10	FWD/AWD	OEMA 81335	OEMA	111	N/A	N/A		
Passat w/Multi-Link Rear Susp.	98-05	AWD	OEMA	OEMA		81353 81351, 81352 81358	81353 81351, 81352 81358	112,112 112,112 112,112	
Passat w/Beam Type Rear Susp.	98-05	FWD	75600(1)+10408 75800(1)+10408	75600(1)+10408 75800(1)+10408	109,67 109,67	81353 81351, 81352 81358	81353 81351, 81352 81358	112,112 112,112 112,112	
Passat	90-97	FWD	75200(1)+10408	75200(1)+10408	109,67	N/A	81250	110	
Phaeton	04-06	AWD	OEMA	OEMA		81373 81371, 81372 81378	81373 81371, 81372 81378	112,112 112,112 112,112	
Quantum	82-89	FWD	75200(1)	75200(1)	109,109	N/A	OEMA		
Rabbit	06-09	FWD	OEMA 81335	OEMA	111	N/A	N/A		
Rabbit	74-84	FWD	75200(1)	75200(1)	109,109	N/A	81250	110	
Routan	09-14	FWD	71700(*1)	71700(*1)	97,97	N/A	OEMA 81260 83170/85130	110 117/169	
Scirocco	74-91	FWD	75200(1)	75200(1)	109,109	N/A	OEMA		
Tiguan (A5)	09-18	AWD	OEMA 81335	OEMA	111	N/A	N/A		
Touareg	04-17	AWD	OEMA	OEMA		OEMA	OEMA		
Vanagon	86-91	RWD/AWD	OEMA	OEMA		OEMA	OEMA		
VOLVO									
C30	08-13	FWD	67420 81310	OEMA	87 111	N/A	N/A		
C70	06-13	FWD	67420	OEMA	87	N/A	N/A		
C70	98-05	FWD	N/A	N/A	87	N/A	81250	110	
S40	04-12	FWD/AWD	67420 81310	OEMA	87 111	N/A	N/A		
S40	00-03	FWD	OEMA	OEMA		N/A	81250	110	
S60	11-18	FWD/AWD	N/A	OEMA		N/A	N/A		
S60	01-10	FWD/AWD	N/A	OEMA		N/A	81260	110	
S70	98-00	FWD/AWD	N/A	OEMA		N/A	81250	110	
S80	07-15	FWD/AWD	N/A	N/A		N/A	N/A		
S80	99-06	FWD/AWD	N/A	OEMA		N/A	81260	110	
S90	17-18	FWD/AWD	N/A	OEMA		N/A	N/A		
S90	97-98	RWD	N/A	OEMA		OEMA	81250	110	

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V40	00-03	FWD	OEMA	OEMA		N/A	81250	110	
V50	04-11	FWD/AWD	67420 81310	OEMA	87 111	N/A	N/A		
V60	11-18	FWD/AWD	N/A	OEMA		N/A	N/A		
V70	08-10	FWD/AWD	N/A	OEMA		N/A	N/A		
V70	01-07	FWD/AWD	N/A	OEMA		N/A	81260	110	
V70	98-00	FWD/AWD	N/A	OEMA		N/A	81250	110	
V90	17-18	AWD/FWD	N/A	OEMA		N/A	N/A		
V90	97-98	RWD	N/A	OEMA		OEMA	81250	110	
XC40	18-18	AWD	N/A	OEMA		N/A	N/A		
XC60	09-18	AWD	N/A	OEMA		N/A	N/A		
XC70	08-16	FWD/AWD	N/A	OEMA		N/A	N/A		
XC70	01-07	FWD/AWD	N/A	OEMA		N/A	81260	110	
XC90	16-18	FWD/AWD	N/A	OEMA		N/A	N/A		
XC90	03-15	FWD/AWD	N/A	OEMA		N/A	81260	110	

VOLVO & WHITE TRACTORS (OTR)

See our Heavy Duty	Section	pages 134-144						
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BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD • WB

FOOTNOTES:

N/A = No Available Adjuster • **OEMA** = Original Equipment Manufacturer Adjustment • **(*)** = Series P/N, see page for correct size

- (1)** CAUTION: Check for caliper to rotor clearance with disc brakes. Use spacer set 75970 as necessary to keep caliper centered on rotor
- (2)** All EXCEPT RWD 1500 • **(3)** Honda S2000 Ball Joint - Rear Application - Only for 17" rims or larger • **(4)** Check Bolt Length BEFORE Cutting Hole
- (6)** LH Tie Rod Adjusting Sleeve Replacement • **(7)** Bolts, 73415, are necessary for changes greater than 3/4"
- (8)** Recommended for vehicles lowered more than 1.5" • **(9)** Will not work on 1988-89 models with welded-in ball joint
- (10)** M3 Only, caster will decrease by 2 degrees • **(11)** Pinion Angle Adj. Part No. 82370 • **(12)** Limited camber range of +/-1.0°
- (13)** Center stock camber and toe adjusters before calculating shim change • **(14)** 69330 included w/69300 or 69400 • **(15)** Not for use w/disc brakes
- (16)** Can be used for Caster or Pinion Angle • **(17)** Footnotes 1 and 13 • **(18)** Preferred • **(19)** Rear Pinion Angle • **(20)** Except Sti
- (21)** Series P/N, Not for use with ABS • **(22)** Lower Arm 69400 • **(23)** Except Type R Lower Arm • **(24)** Rear Wheel Drive Only • **(25)** 92-96 Only
- (26)** 92-98 Only • **(27)** C10 and C15 • **(28)** Footnote 1, include the next part number • **(29)** Include the next part number • **(30)** With 10mm Bolt
- (31)** With 12mm Bolt • **(32)** All Except AMG models • **(33)** 1988-91 1500 - 43mm Bushings Only • **(SW)** Station Wagon • **(L)** Lower

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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	1994 R	2007 7
1982 C	1995 S	2008 8
1983 D	1996 T	2009 9
1984 E	1997 V	2010 A
1985 F	1998 W	2011 B
1986 G	1999 X	2012 C
1987 H	2000 Y	2013 D
1988 J	2001 1	2014 E
1989 K	2002 2	2015 F
1990 L	2003 3	2016 G
1991 M	2004 4	2017 H
1992 N	2005 5	2018 J
1993 P	2006 6	2019 K

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

TRUCK SLEEVE BOARD 88210

Containing our most popular truck sleeves, this board set gives you excellent application coverage, while keeping inventory in check. **Includes display board, hooks and labels.**

BOARD INCLUDES ONE EACH OF THE FOLLOWING:

23102, 23104, 23106, 23108, 23109, 23112 Change camber and caster on Ford 4WD trucks with twin traction beam Dana 44 and Dana 50 axles.

23132, 23134, 23136, 23138, 23139 Change camber and caster on 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 Change camber and caster on twin traction beam Dana 35 suspensions and many other high volume RWD and 4WD Fords.

23222, 23224, 23226, 23228, 23229, 23212 Change camber and caster sleeves on 2005 & Up F250 and F350 4WD Ford Super Duty's.

24120, 24130, 24180, 24220, 74400, 74500, 74600 Adjustable truck sleeves add versatility to this set, along with our special wrenches that make installation easier.



PASSENGER CAR ASSORTMENT BOARD 88260

This Board Set includes our most popular shims and cam kits for passenger vehicles. This is a "must have" for any shop performing 4 wheel alignments on cars, mini vans and SUVs.

Includes display board along with extra hooks and labels so you can add your own "Most used" SPC Alignment Parts and Tools.

66050 Chrysler/Dodge Camber Bushing & Bushing Press Adapters - Everything you need, to adjust rear camber on the popular Chrysler LX platform. **2 sets included**

66037 Chrysler LX Camber/Caster Cam - Adjusts front alignment angles **2 cams included**

72055 Infiniti/Nissan Rear Cam Bolt Kit - For setting camber and toe on a variety of popular Infinitis and the 350Z. **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. **#81260 - 2 kits included, #81250, #81270, #81280 and #81290 - 1 kit included** Each kit contains two cam bolt assemblies, enough for both sides of the vehicle.

84120 Hyundai/Kia Rear Camber Bolt Kit - Easy to install camber kits for Sedonas and Entourages. **2 kits included**

87365 Ford, Mercury, Lincoln Front Camber Adjustment Bolt. **2 kits included**



LIGHT TRUCK/SUV BOARD 88270

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. **Includes peg board, hooks and labels.**

25435 Toyota Cam Kit - Cam./Cas. cams for Tacomas, PreRunners, FJs, and 4Runners. (2)

25445 Toyota Cam Kit - Cam./Cas. cams for Sequoias and Tundras. (2)

26012 & 26014 Jeep Camber Shims - 2 each of +.5° and +1.0° to correct camber on WJ, KJ & JK.

82380 Jeep Pinion Angle Adjusters - For TJ Series Jeeps, Grand Cherokees & Ram Trucks. (1)

82385 Dodge 4x4 Caster Cams - Camber/Pinion cams for 3/4 and 1 ton solid axle Dodges. (1)

82390 Jeep JK Cams - Camber/Pinion cams for the popular JK Wrangler. (1)

86250 Ford F150 Camber/Caster Cam Bolt Kit - Front kit for the 2004 & Up F150s. (2)

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. (2)

87385 Ford F150 Front Camber - Cam bolt assemblies for 1997 - 03 F150s and F250(LD)s. (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 - 2011 Rangers. (1)

87520 Nissan Camber/Caster Kit - For 2004 & Up Titan, and 2005 & Up Pathfinder, Xterra. (2)



Also available - our updated Tool Board Set (Part No. 87910) on page 158 - Set up your alignment shop with the tools you need to get going.



SHIM ASSORTMENT BOARD SET 88700

Includes our popular EZ Shims™ and accessories along with our Chrysler/Nissan/VW Mini Van Shims. **Includes display board, hooks and labels.**

71720, 71721, 71722, 71723, 71724 Mini Van Shims - Nylon toe shims in ±10°, ±20°, ±30°, ±40° and ±50°. **1 shim of each size included**

71730, 71731, 71732, 71733 Mini Van Shims - Nylon toe shims in ±25°, ±50°, ±75°, and ±1.0°. **1 each size included**

75200, 75400, 75600 EZ Shims™ - Adjust Camber and Toe up to fl.1.5 on a large variety of FWD vehicles. **2 shims of each size included**

10408 M10 X 1.5 X 40 Bolts - Use with rear shims. **1 set of 8 bolts included**

75910 EZ Shim Dial Chart - Makes using the EZ Shim a snap. **1 Dial Chart included**

75915 EZ Shim Cutting Pliers - Prevent breakage when cutting shims. **1 Cutter included**

75920 EZ Shim Marker - **1 Marker included**

75970 Shim Spacer Kit - 2 each of 4 sizes to align caliper to rotor. **1 set included**



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

Parts

Get Organized!

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.**

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.

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 104).



10408

Jeep JK Suspension Arm Series

13410

Front Adjustment range:
Caster and Pinion $\pm 3.0^\circ$

Installation time: .5 hr/side

Required: 2 per axle

13415

Front Replacement Part

Installation time: .5 hr/side

Required: 2 per axle

13420

Rear Adjustment range:
Pinion $\pm 3.0^\circ$

Installation time: .5 hr/side

Required: 2 per axle

13425

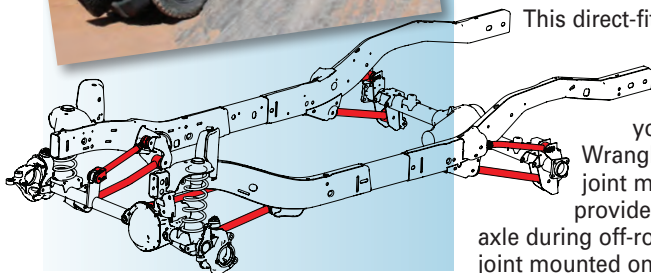
Rear Replacement Part

Installation time: .5 hr/side

Required: 2 per axle

APPLICATIONS

Jeep: 2007 - 2018 Wrangler (JK)



SPC knows JK - Look for all of our JK Products:

23510 Pin Joints - page 71

23605 Tie Rod Adjuster Sleeves page 71

26012 & 26014 Camber Shims - page 77

82390 Rear Caster/Pinion Adj. Bolts - page 115

These direct-fit control arms add strength, and articulation flexibility to your stock-height or 'lifted' Wrangler. They feature SPC's xAxis™ sealed flex joints to provide bind-free 'twist' between the frame and axle during articulation and OE 'Clevite' bushings for long service life and reduced N.V.H. Main tubes are D.O.M steel to provide strength for large tires and aggressive gearing. Bent arms provide additional clearance for taller/wider tires.

JEEP JK FRONT ADJ. UPPER CONTROL ARM W/XAXIS 13410

This direct-fit front upper control arm adds strength, on-car adjustability and articulation flexibility to your stock-height or 'lifted' suspension Wrangler. The dual-threaded adjuster and jam nut makes caster/pinion angle adjustments quick and easy without the need to disconnect the arm or mess with cams and slotted hole knock-outs.



JEEP JK FRONT LOWER CONTROL ARM W/XAXIS 13415

This direct-fit, stock-length front lower control arm adds strength, and articulation flexibility to your stock-height or 'lifted' suspension Wrangler. It features a SPC's xAxis™ sealed flex joint and an OE style rubber joint to provide bind-free 'twist' between the frame and axle during off-road articulation.



JEEP JK REAR ADJ. UPPER CONTROL ARM W/XAXIS 13420

This direct-fit rear upper control arm adds strength, on-car adjustability and articulation flexibility to your stock-height or 'lifted' suspension Wrangler. It features SPC's xAxis™ sealed flex joint mounted in a forged ring at the axle end to provide bind-free 'twist' between the frame and axle during off-road articulation with an OE style rubber joint mounted on the other. The dual-threaded adjuster and jam nuts make rear pinion angle adjustments quick and easy without the need to disconnect the arm.



JEEP JK REAR LOWER CONTROL ARM W/XAXIS 13425

This direct-fit, stock-length rear lower control arm adds strength, and articulation flexibility to your stock-height or 'lifted' suspension Wrangler. It features SPC's xAxis™ sealed flex joint and an OE style rubber joint to provide bind-free 'twist' between the frame and axle during off-road articulation.



Applications

Alignment Parts

Heavy Duty

JK Replacement

Racing/Builders

Tools

Accessories

Brake and CV

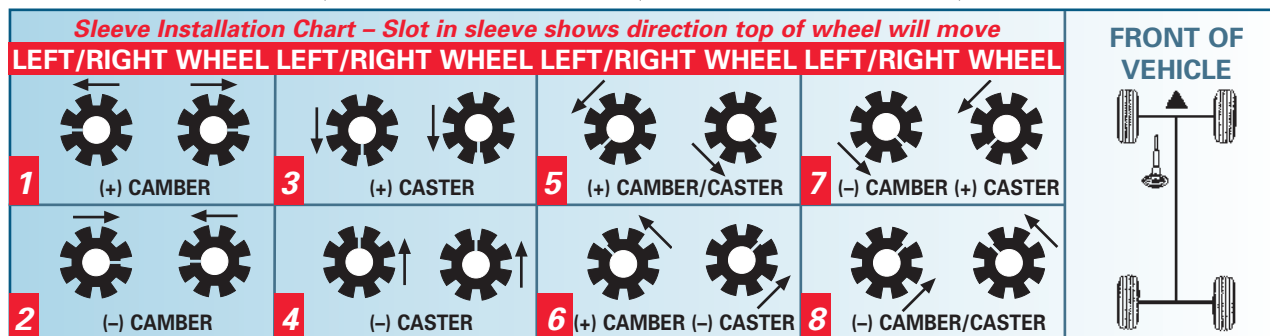
Year/Index

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 23130
23180 23220 23230

DEGREE	CHANGE	DEGREE	CHANGE	DEGREE	CHANGE	DEGREE	CHANGE
1/4 - .25	3/16 (.18)	3/4 - .75	17/32 (.53)	1-1/4 - 1.25	7/8 (.88)	1-3/4 - 1.75	1-7/32 (1.29)
1/2 - .50	11/32 (.35)	1 - 1.0	11/16 (.70)	1-1/2 - 1.5	1-1/16 (1.06)	2 - 2.0	1-13/32 (1.40)



23000 SERIES



4169 - Spanner Socket, pg 159

4WD BUSHING

This sleeve changes camber and caster on many older model trucks and SUVs with Dana 44 or GMC 10 bolt axles. 4169 spanner socket is required for sleeve removal. Rotate sleeve to fine tune camber/caster adjustment.

Set 23000 contains 1 each: 23002, 23004, 23006, 23008, 23010, 23012

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")

Front Adjustment range:
Camber/Caster ±.25° to ±1.50°

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

APPLICATIONS

Chevrolet/GMC 4WD:

1970 - 87 K10, K15, K20, K25; 1969 - 91 Suburban
1969 - 91 Blazer (K5), Jimmy (K5)
1958 - 87 K30, K35

Dodge 4WD: 1972 - 93 W100, W150, AW150, W200, W250; 1974 - 87 Dodge Ramcharger

Ford 4WD: 1966 - 79 F100, F150; 1973 - 79 F250
1971 - 79 Bronco

International 4WD: 1972 - 75 1/2 & 3/4 ton Pickup
1973 - 80 Scout II

Jeep 4WD: 1974 - 83 Cherokee; 1945 - 86 CJ
1966 - 73 Jeepster, Commando; 1974 - 84 Pickup
1982 - 86 Scrambler; 1974 - 91 Grand Wagoneer

Plymouth 4WD: 1974 - 81 Trailduster

23100 SERIES



4WD CAM/CAS SLEEVES

Change camber, caster, or both on twin traction beam Dana 44s 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 split camber and caster adjustment, rotate sleeve 45°.

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")

Front Adjustment range:
Camber/Caster ±.25° to ±2.75°

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Ford 4WD:

1980 - 96 Bronco - Full Size
1980 - 96 F150
1980 - 98 F250, F350

Adjustable Sleeve available, Part No. 24130 - page 73

77880 - Puller, pg 168
88830 - Puller, pg 171

We have adjustable sleeves for most sleeve applications.

We have discontinued our 23120 and 23160 series of fixed change sleeves, but still have these applications covered with our 24120 and 24160 adjustable sleeves (page 171). The adjustable sleeves can adjust camber and caster in a large variety of combinations.

Front Adjustment range:
Camber/Caster $\pm 25^\circ$ to $\pm 2.00^\circ$
Installation time: .5 hr/side
Required: 1 per wheel

APPLICATIONS

- Dodge RWD:**
1994 - 99 3500 Ram w/Mono Beam
- Dodge 4WD:**
1994 - 99 2500HD, 3500 Ram
- Ford RWD/4WD:**
1999 - 04 F450, F550
1999 - 04 F250, F350
Solid Axles/Leaf Springs
- Ford 4WD:**
2000 - 05 Excursion
1992 - 98 F350 Crew Cab

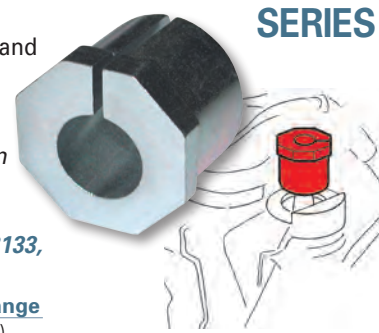
-  **77880** - Puller, pg 168
87175 - Socket, pg 170
88830 - Puller, pg 171

4WD & RWD SLEEVES

23130

SERIES

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 split camber and caster adjustment, rotate sleeve 45° .



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°)		

Adjustable Sleeve available, Part No. 24130 - page 73

Sleeve Installation Chart - See page 68

Front Adjustment range:
Camber/Caster $\pm 25^\circ$ to $\pm 3.50^\circ$
Installation time: .5 hr/side
Required: 1 per wheel

APPLICATIONS

- Ford RWD:**
1989 - 90 Bronco II
1992 & Up E150, E250, E350, E450
2000 - 05 Excursion; 1987 - 96 F150
1998 & Up F250, F350 Twin I-Beam
1987 - 98 F250, F350
- Ford 4WD:**
1990 - 90 Bronco II (Late 90-Dana 35)
- Ford RWD/4WD:**
1991 - 94 Explorer; 1990 - 97 Ranger
- Mazda RWD/4WD:**
1994 - 97 B-Series Pickup
1991 - 94 Navajo

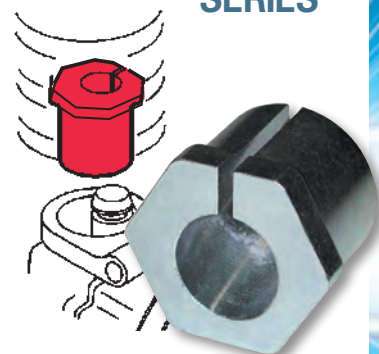
-  **77880** - Puller, pg 168
87175 - Socket, pg 170
88830 - Puller, pg 171

CAMBER/CASTER SLEEVES

23180

SERIES

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 split camber and caster adjustment, rotate sleeve 45° . *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		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°				
			23199	0.00° (0°)					

Adjustable Sleeve available, Part No. 24180 - page 73

Sleeve Installation Chart - See page 68

Stabilizer Heights – NARROW UNITS for small diameter (.58") coil springs.

STABILIZER NO.	HEIGHT ("A")
24640	5/8"
24690	7/8"
24750	1-1/4"
24751	1-1/4" Short Nose
24740	1-1/4" Small Radius
24790	1-1/2"

Stabilizer Heights – REGULAR UNITS for average diameter (.63") coil springs.

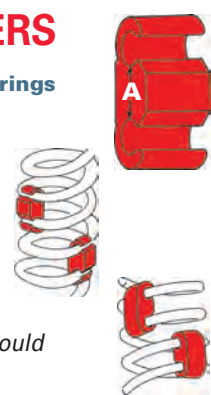
STABILIZER NO.	HEIGHT ("A")
24650	5/8"
24700	7/8"
24701	7/8" Short Nose
24960	1"
24970	1-1/4"
24800	1-1/2"
24850	1-3/4"
24900	2"
24950	2-1/2"

COIL SPRING STABILIZERS

Proper alignment is impossible unless coil springs are operating at originally designed height.

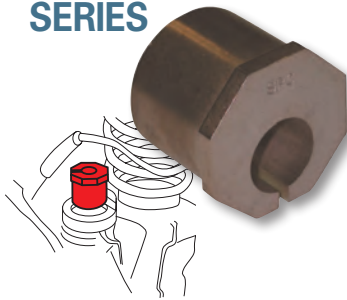
Two stabilizers are recommended per coil spring. If front stabilizers are rubbing against the spring well housing the stabilizer must be installed from the inside of the coil springs. **Four per pack.**

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.



Parts

23220 SERIES



Adjustable Sleeve available,
Part No. 24220 - page 73

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.

Set 23220 contains 1 each: 23221, 23222, 23223, 23224, 23225, 23226, 23227, 23228, 23229

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°)	23211	2.25° (2-1/4°)
23224	1.00° (1°)	23212	2.50° (2-1/2°)
23225	1.25° (1-1/4°)	23229	0.00° (0°)
23226	1.50° (1-1/2°)		

Sleeve Installation Chart - pg 68

Front Adjustment range:
Camber/Caster $\pm 0.25^\circ$ to $\pm 2.50^\circ$

Installation time: .5 hr/side

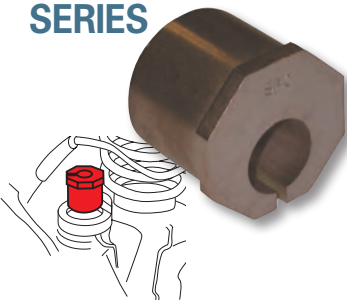
Required: 1 per wheel

APPLICATIONS

Ford RWD/4WD:

2005 & Up F250, F350
Solid Axle,
Coil Spring
2005 & Up F450
With 8 Lug Axles

23230 SERIES



Adjustable Sleeve available,
Part No. 24230 - page 73

1-1/2 & 2 TON SLEEVES

These truck sleeves will correct alignment problems F450 and F550 Super Duty Trucks with Dana Super 60 solid axles. To split camber and caster adjustment, rotate sleeve 45° Use the **23239** zero degree sleeve to determine the amount of change needed.

Set 23230 contains 1 each: 23231, 23232, 23233, 23234, 23235, 23236, 23237, 23238, 23239

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 Installation Chart - pg 68

Front Adjustment range:
Camber/Caster $\pm 0.25^\circ$ to $\pm 2.00^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Chevy/GMC 4WD: 2003 - 09

Kodiak/Topkick K4500,
Kodiak/Topkick K5500

Ford RWD/4WD:

2005 & Up
F450, F550
With 10 Lug
Axles

23268 23269



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.

Front Adjustment range (Fixed):

23268 Camber +.50 Caster +2.3

23269 Camber +.30 Caster +2.6

Installation time: .5 hr/side

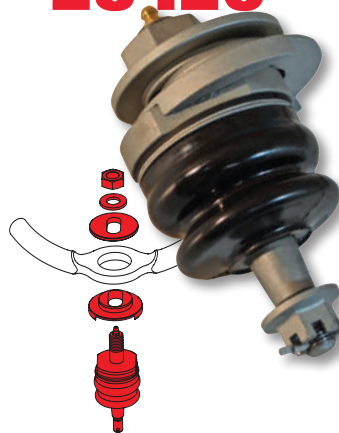
Required: 1 per wheel

APPLICATIONS

Ford RWD/4WD: 2005 & Up

F250, F350 Solid Axle, Coil Spring
2005 & Up F450 With 8 Lug Axles

23420



JEEP ADJ. BALL JOINT

Add camber adjustment to your lifted Jeep Grand Cherokee or Commander with the highest quality ball joint on the market! This joint is specifically designed to work with raised suspensions and features:

- Induction hardened and oversized 18mm stud for extreme strength and high durability
- 700 hour salt spray resistant coating for long life
- Hybrid 2-piece race and internal spring compensate for wear over time
- Fully sealed greasable design to protect from the elements
- 80° of articulation to maximize travel without binding vs 66° on the factory joint

Front Adjustment range:

Camber $\pm 1.25^\circ$

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

Jeep: 2006 -10 Commander

2005 - 10 Grand Cherokee



72509 - Ball joint press,
pg 165

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

Installation time: .6 hr/side

Required: 1 per wheel

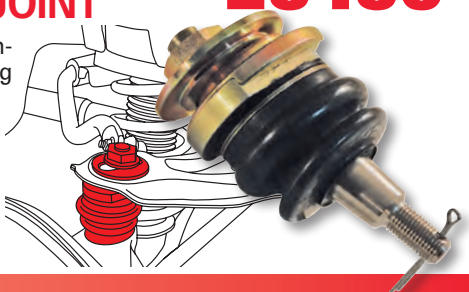
APPLICATIONS

Acura: 2014 & Up MDX
Honda: 2016 & Up Pilot
2017 & Up Ridgeline

ACURA AND HONDA REAR ADJ. BALL JOINT

23450

Use this sliding ball joint to adjust camber on the rear of the Acura MDX along with the Honda Pilot and Ridgeline for improved handling and tire wear. The OE quality ball joint is easily installed and corrects camber angles $\pm 3^\circ$.



 **72509 - Ball joint press,** pg 165

Front Adjustment range:

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

Required: 1 per wheel

APPLICATIONS

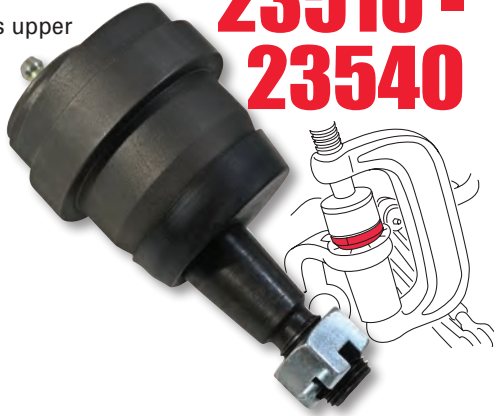
Dodge 4WD: 1994 - 01 1500 Ram
1994 - 99 2500 Ram



Jeep RWD/4WD: 1984 - 01 Cherokee
1986 - 92 Comanche
1993 - 04 Gr. Cherokee
1984 - 90 Wagoneer
1987 - 18 Wrangler

DODGE/JEEP PIN JOINTS

23510 - 23540

Change caster and camber with this upper offset pin joint that replaces the OE pin joint. Use installation sleeve set **23580** in conjunction with **72509** ball joint press for removal and installation of these pin joints.



 **23580 - Ball joint press sleeves,** pg 159
 **72509 - Ball joint press,** pg 165

Check out our JK Suspension Arms on page 67

Front Replacement Part

Installation time: .5 hr/side

Required: 1 per axle

APPLICATIONS

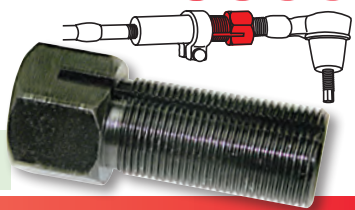
Chrysler: 1999 - 04 300M
1998 - 04 Concorde
1998 - 01 LHS


Dodge: 1998 - 04 Intrepid

LH REPLACEMENT SLEEVE

23600

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 163

Front Replacement Part

Install time: .5 hr/side Req.: 1 per axle

APPLICATIONS

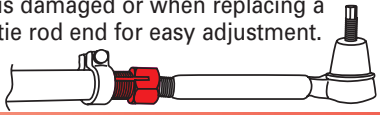
23605
Jeep: 2007 - 18 Wrangler (JK)

23610 Manufactured before 11/4/13 Ram: 2014 2500 2013 - 14 3500	23615 Manufactured after 11/4/13 Ram: 2014 & Up 2500 2013 & Up 3500
--	--

TIE ROD ADJUSTER SLEEVES

23605 23610 23615

These adjustable hex shaped sleeves replace the round tie rod sleeve to assure ease of adjustment without slippage. Recommended when the existing sleeve is damaged or when replacing a tie rod end for easy adjustment.



Front Adjustment range:

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

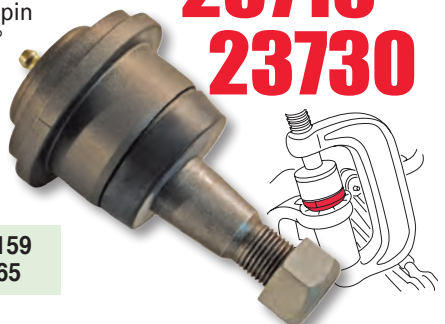
Dodge 4WD: 2000 - 02 2500 Ram,
3500 Ram



Dodge RWD: 2000 - 02 3500 Ram w/monobeam

DODGE PIN JOINTS

23710 - 23730

These offset pin joints replace the upper pin joint on 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 pin joints.



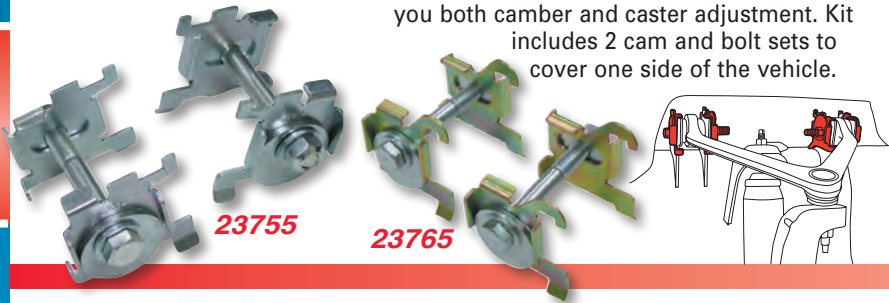
 **23780 - Bushing Sleeves,** pg 159
 **72509 - Ball Joint Press,** pg 165

Parts

23755 23765

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

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 1.50°

Installation time: .3 hr/side

Required: 1 kit per wheel

APPLICATIONS

23755 2 cam/bolt sets - 1 side

Dodge 4WD: 2002 - 05 1500 Ram

23765 2 cam/bolt sets - 1 wheel

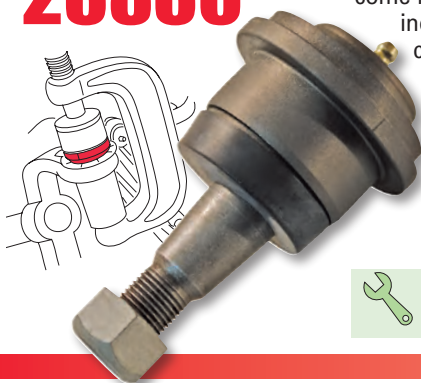
Dodge RWD: 2002 - 05 1500 Ram

23800 - 23830

DODGE/RAM PIN JOINTS

These offset pin joints replace the upper pin joints on late model Dodge/Ram 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 pin joints.

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



23780 - Ball joint press sleeves, pg 159

72509 - Ball joint press, pg 165

Front Adjustment range:

23800* Camber/Caster 0.0°

23810 Camber/Caster $\pm 0.50^\circ$

23820 Camber/Caster $\pm 1.00^\circ$

23830 Camber/Caster $\pm 1.50^\circ$

Installation time: 1.0 hr/side

Required: 1 per wheel

APPLICATIONS

Dodge/Ram 2003 & Up 3500 Ram

RWD: w/mono beam

Dodge/Ram 2006 - 08 1500 Ram

4WD: Mega Cab

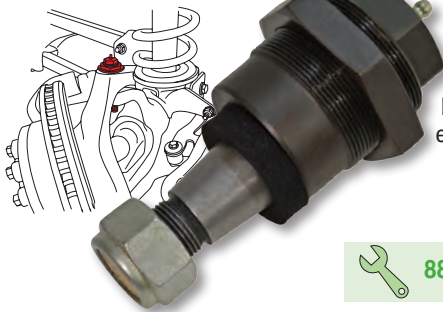
2003 & Up 2500,
3500 Ram

23850 - 23854

DODGE/RAM PIN JOINTS

These heavy duty 'King Pin' style joints replace the original plunging ball joint design on late model medium duty Dodge/Ram trucks and Sterling Bullets. They provide independent adjustment up to 1° of camber, and will correct cross camber issues. This greasable pin joint uses a bronze sleeve and hardened steel pin to ensure long service life.

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



88360 - Pin Adjusting Wrench, pg 171

Front Adjustment range:

23850* Camber 0.0°

23852 Camber $\pm 0.50^\circ$

23854 Camber $\pm 1.00^\circ$

Installation time: 1.0 hr/side

Required: 1 per wheel

APPLICATIONS

Dodge/Ram RWD/4WD:

2008 & Up 4500, 5500

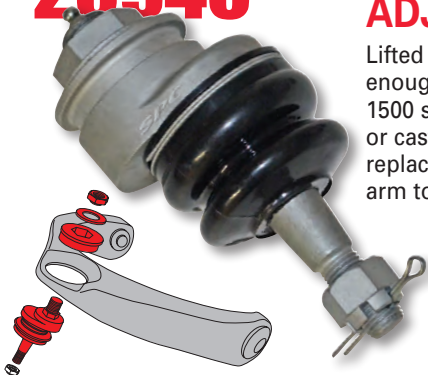
Sterling Bullet RWD/4WD:

2008 - 10 45, 55

23940

DODGE/RAM 1500 ADJUSTABLE BALL JOINT

Lifted or lowered, factory cams don't give enough adjustment range on the Dodge/Ram 1500 series of trucks. Gain 2.25° of camber or caster with these offset ball joints. Simply replace the ball joint in the stock upper control arm to get $\pm 2.25^\circ$ caster, camber, or a split and then dial in final adjustments with the factory cams. Bring ride quality and tire wear back into the green for your customer.



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

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

Dodge/Ram

RWD/4WD:

2006 & Up 1500 Ram

(Exc. Mega Cab)



72509 - Ball Joint Press, pg 165

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.

**Replaces up to 5 stock sleeves.
Minimum Adjustment $\pm 1.00^\circ$**

Installation time: .5 hr/side

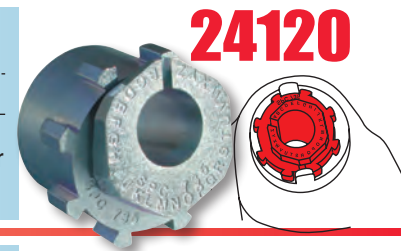


74500 - Adjustable Sleeve Wrench, pg 167

Front Adjustment range:
Camber/Caster $\pm 1.00^\circ$ to $\pm 2.75^\circ$
Required: 1 per wheel

APPLICATIONS

Ford 4WD: 1983 - 89 Bronco II; 1983 - 89 Ranger
Early 1990 Bronco II (Dana 28)



**Replaces up to 21 stock sleeves.
Minimum Adjustment $\pm .75$**

Installation time: .5 hr/side



74500 - Adjustable Sleeve Wrench, pg 167

APPLICATIONS

Dodge RWD: 1994 - 99 3500 Ram w/Mono Beam
Dodge 4WD: 1994 - 99 2500HD, 3500 Ram
Ford RWD/4WD: 1999 - 04 F450, F550
1999 - 04 F250, F350 Solid Axles/Leaf Springs
Ford 4WD: 1980 - 96 Bronco - Full Size; 1980 - 96 F150
1980 - 98 F250, F350; 2000 - 05 Excursion
1992 - 98 F350 Crew Cab



We have Fixed Sleeves for these Apps, Part Nos. 23100 - page 68 and 23130 - page 69

Replaces up to 8 stock sleeves.

Installation time: .5 hr/side

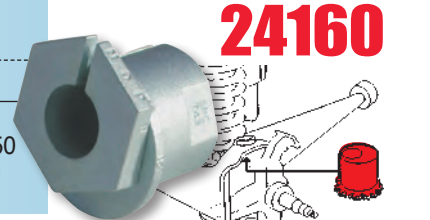


74400 - Adjustable Sleeve Wrench, pg 167

Front Adjustment range:
Camber 0.0° to $\pm 2.25^\circ$
Required: 1 per wheel

APPLICATIONS

Ford RWD: 1984 - 88 Bronco II; 1982 - 86 F150
1983 - 88 Ranger; 1980 - 83 F100



**Replaces up to 9 stock sleeves.
Minimum Adjustment $\pm .50^\circ$**

Installation time: .5 hr/side

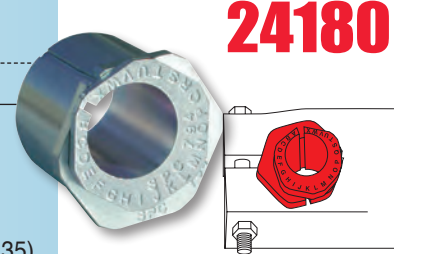


74400 - Adj. Sleeve Wrench, pg 167
74500 - Adj. Sleeve Wrench, pg 167

APPLICATIONS

Front Adjustment range:
Camber/Caster $\pm .50^\circ$ to $\pm 2.25^\circ$
Required: 1 per wheel

Ford RWD: 1989 - 90 Bronco II
1992 & Up E150, E250, E350, E450
2000 - 05 Excursion; 1987 - 96 F150
1998 & Up F250, F350 Twin I-Beam
1987 - 98 F250, F350
Ford 4WD: 1990 - 90 Bronco II (Late 90-Dana 35)
Ford RWD/4WD: 1991 - 94 Explorer
1990 - 97 Ranger
Mazda RWD/4WD: 1994 - 97 B-Series Pickup
1991 - 94 Navajo



We have Fixed Sleeves for these Apps, Part No. 23180 - page 69

Replaces up to 11 stock sleeves.

Installation time: .5 hr/side



74600 - Adjustable Sleeve Wrench, pg 167

APPLICATIONS

Front Adjustment range:
Camber/Caster $\pm 2.50^\circ$
Required: 1 per wheel

Ford RWD/4WD:
2005 & Up F250, F350 Solid Axle, Coil Spring
2005 & Up F450 With 8 Lug Axles



We have Fixed Sleeves for these Apps, Part No. 23220 - page 70

Replaces up to 10 stock sleeves.

Installation time: .5 hr/side



74600 - Adjustable Sleeve Wrench, pg 167

APPLICATIONS

Front Adjustment range:
Camber/Caster $\pm 2.75^\circ$
Required: 1 per wheel

Chevy/GMC 4WD: 2003 - 09
Kodiak/Topkick K4500, Kodiak/Topkick K5500
Ford RWD/4WD:
2005 & Up F450, F550 With 10 Lug Axles



We have Fixed Sleeves for these Apps, Part No. 23230 - page 70

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

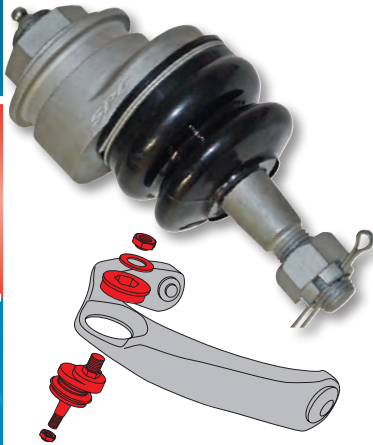
Parts

23960

GM ADJ. BALL JOINT

These heavy duty offset ball joints have a built in 3 degree offset which can be clocked to change camber, caster, or both. They are ideal for vehicles which cannot be aligned properly with the factory cam bolts due to installation of a lift or leveling kit. As an additional benefit, they also raise the outer end of the upper control arm, which increases clearance between the arm and the droop travel stops on the frame. This restores droop travel on trucks with leveling kits, and eliminates noise, vibration and harshness caused by arm to frame contact.

Note: Due to strength limitations of the factory upper control arm, this ball joint should not be used on trucks with tires larger than 33" unless a "tall knuckle" lift kit is installed.



Front Adjustment range:
Camber $\pm 3.00^\circ$ /Caster $\pm 3.00^\circ$

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

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

2001 - 06 1500HD Crew Cab
1999 - 10 2500, 3500
Silverado, Sierra
2002 - 06 Avalanche 2500
2000 - 13 Suburban 2500
2000 - 14 Yukon 2500

Hummer 4WD:

2002 - 09 H2

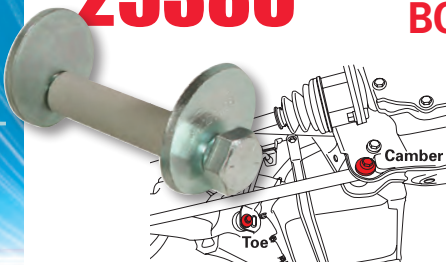


72509 - Ball Joint
Press, pg 165

25380

RAV4 CAMBER/TOE CAM BOLT

Replace your OE rear camber or toe adjuster with this replacement cam bolt. OE cam bolts are frequently seized and can't be adjusted. Remove the corroded bolt assembly and replace it with SPC's cam bolt to restore the factory $\pm 1.5^\circ$ camber or toe change. This bolt features a plastic sleeve to eliminate future corrosion.



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

Installation time: .4 hr/side

Required: 1 per wheel/
per angle changed

APPLICATIONS

Toyota: 2001 - 05 RAV4

25425

25430

25435

25440

25445

25450

TOYOTA CAM BOLT KIT (PR)

This cam bolt kit is a replacement kit for the OE adjusters. The OE bolts on Toyota trucks and SUVs are frequently "frozen" and will not allow for adjustment. Remove the frozen bolt assembly and replace it with an SPC cam kit to get up to $\pm 1.5^\circ$ camber and caster change. OE adjuster assemblies that are corroded may require SPC's press tool 40915 for removal, making the job quick and easy.

Front Adjustment range: Cam./Cas. $\pm 1.50^\circ$

Installation time: .3 hr/side Required: 1 per wheel

25425 APPLICATIONS

Note: Plastic Sleeves not necessary with this kit.

Toyota 4WD: 1986 - 95 4Runner; 1995 Tacoma
1986 - 94 Pickup; 1993 - 98 T100

25430 APPLICATIONS

Toyota RWD: 1998 - 04 Tacoma w/6 lug axles
Toyota 4WD: 1996 - 04 Tacoma
Toyota RWD/4WD: 1996 - 02 4-Runner

25435 APPLICATIONS

Lexus 4WD: 2003 - 09 GX
Toyota RWD: 2005 - 15 Tacoma w/6 lug axles
Toyota 4WD: 2005 - 15 Tacoma
Toyota RWD/4WD: 2007 - 09 FJ Cruiser
2003 - 09 4Runner

25440 APPLICATIONS

Lexus 4WD: 2010 & Up GX
Toyota RWD/4WD: 2010 - 14 FJ Cruiser
2016 & Up Tacoma w/6 lug axles
2010 & Up 4Runner

25445 APPLICATIONS

Toyota RWD/4WD: 2001 - 07 Sequoia; 1999 - 06 Tundra

25450 APPLICATIONS

Lexus RWD/4WD: 2008 & Up LX570
Toyota RWD/4WD: 2008 & Up Land Crusier 200 Series
2008 & Up Sequoia; 2007 & Up Tundra



40915 - Cam Extractor, pg 161

SPC Performance's Builder Series

SPC Performance has an extensive line of high quality suspension/chassis components for builders. See pages 154-156 for more.



TOYOTA FRONT UPPER ARMS (PR)

SPC Adjustable Front Upper Control Arms are the industry standard in off-road and racing applications. These arms use a patented design to adjust camber and caster. When you lift or level your truck you can dramatically change the alignment angles. SPC arms will get you back in spec and give you added adjustments to maximize your suspension set-up.

- **Get more droop travel:** Don't let OE ball joints or mono-ball articulation limit your travel. SPC joints are oversized and provide 80° of travel.
- **Get your drivability and tracking back:** Your truck may have started to 'wander' after you lifted it. That is because you lost caster. Install SPC arms and get your 'drivability' back by putting your alignment in specification.
- **Get your tire where you want it in the wheel well:** Are your oversized tires rubbing the fenders or frame rails? SPC Adjustable Arms, in combination with OE adjustments on the lower arm, allow you to dial in alignment specs at the same time that you move the tire forward/outward in the wheel well by up to 1".

Isolated xAxis™ Sealed Flex Joint Bushings

- Booted to keep contaminants out
- Free pivoting to eliminate binding
- Bonded Rubber Sleeve To minimize Noise, Vibration, and Harshness (NVH)

Fully Forged Arm

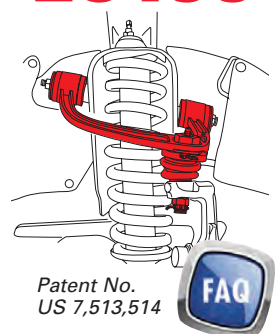
- Maximum strength
- Maximum clearance
- +2 Degrees of Caster built-in

Premium Greaseable Ball Joint

- 80° of articulation – more than any other ball joint
- 25% larger stud cross section vs OE
- Greaseable with sealed boot

Designed, engineered, tested, and assembled in Colorado, SPC has stepped it up again.

- Strongest arm available
- Most articulation of any arm, period
- The only booted adjustable ball joint on the market
- Maintenance free pivoting bushing



Front Adjustment range: Camber $\pm 2.00^\circ$ Caster 0.0° to $+4.00^\circ$

Installation time: .8 hr/side **Required:** 1 per axle

25455 APPLICATIONS

(Note: Caster Range -1.0° to $+3.0^\circ$)

- Lexus 4WD:** 1998 - 07 LX470
- Toyota 4WD:** 1998 - 07 Land Cruiser 100 Series

25460 APPLICATIONS

- Toyota RWD:** 1998 - 04 Tacoma w/6 lug axles
- Toyota 4WD:** 1995 - 04 Tacoma
- Toyota RWD/4WD:** 1996 - 02 4-Runner

25465 APPLICATIONS

- Lexus 4WD:** 2008 & Up LX 570
- Toyota 4WD:** 2008 & Up Land Cruiser 200 Series

25470 APPLICATIONS

- Toyota RWD:** 2005 & Up Tacoma w/6 lug axles
- Toyota 4WD:** 2005 & Up Tacoma

25480 APPLICATIONS

- Lexus 4WD:** 2003 & Up GX
- Toyota RWD/4WD:** 2007 - 14 FJ Cruiser
2003 & Up 4Runner

25485 APPLICATIONS

- Toyota RWD/4WD:** 2001 - 07 Sequoia
1999 - 06 Tundra

25490 APPLICATIONS

- Toyota RWD/4WD:** 2008 & Up Sequoia
2007 & Up Tundra

	SPC	OE	Monoball
Articulation & Stud Cross Section	80° 40°	68° 34°	68° 34°
Sealed	✓	✓	✗
Greaseable	✓	✗	✗

REPLACEMENT AND REBUILD KITS AVAILABLE

SPC has replacement ball joint and bushing kits available for these arms. Go to our website for more on what is available for your arm/application.

Parts

25540

NISSAN FRONT UPPER ADJ. ARMS (PR)

Lifted Nissans often run out of factory alignment adjustment when lift kits are installed. Additionally, the OE upper control arm can contact the spring bucket, limiting droop travel and causing unwanted noise vibration harshness. These heavy duty replacement arms feature drawn over mandrel (DOM) tubing construction and use our patented adjustable greaseable ball joint (see below) and **xAxis™** sealed flex joints, allowing for greatly increased droop travel and easy alignment.



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 - 12 Pathfinder
2005 - 15 Xterra

Suzuki: 2009 - 12 Equator

Patent No. US 7,513,514



Need new bolts? Order #21035 for two replacement bolts - page 148.

25560

TITAN FRONT UPPER ADJ. ARMS (PR)

Restore lost caster, camber and droop travel on your lifted Nissan Titan and Armada to get your drivability back with these adjustable front upper control arms. Use them in combination with Titan OE lowers on Xterras and Pathfinders for a wider stance. This pair of arms feature:



- A patented adjustable ball joint design to dial in caster and camber $\pm 3.0^\circ$
- Fully forged steel construction for maximum strength
- Arm geometry that clears spring bucket for increased droop travel
- Upgraded greaseable ball joints
- **SpecRide™** bushings with free pivot for extended travel while maintaining factory standards for noise, vibration, and harshness (NVH)

Front Adjustment range:

Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .8 hr/side

Required: 1 per axle

APPLICATIONS

Nissan: 2004 - 15 Armada
2004 & Up Titan
(Except XD)

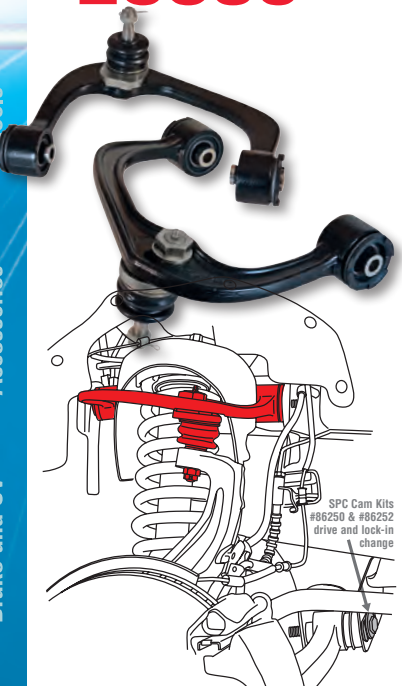
Patent No. US 7,513,514



25680

FORD F150 FRONT UPPER ADJ. ARMS (PR)

Improve droop travel, drivability and tire wear as well as adjusting tire position in your wheel well with SPC's adjustable front upper control arms. Featuring an upgraded greaseable ball joint and rubber isolated **xAxis™** bushings, this arm is designed to correct alignment angles while maintaining factory ride quality. SPC's fully forged steel design provides the strength and durability needed for the most demanding environments. These remove and replace arms are sold in pairs.



SPC Cam Kits #86250 & #86252 drive and lock-in change

Improve droop travel, drivability and tire wear as well as adjusting tire position in your wheel well with SPC's adjustable front upper control arms. Featuring an upgraded greaseable ball joint and rubber isolated **xAxis™** bushings, this arm is designed to correct alignment angles while maintaining factory ride quality. SPC's fully forged steel design provides the strength and durability needed for the most demanding environments. These remove and replace arms are sold in pairs.

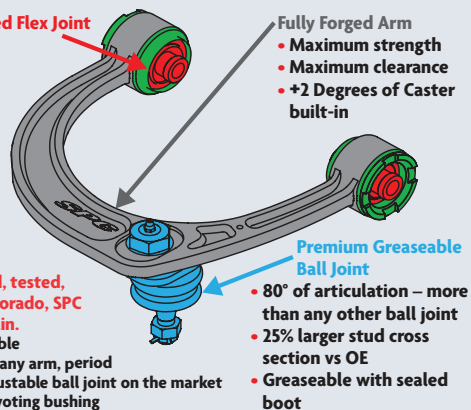
- **Get more droop travel:** Don't let OE ball joints or mono-ball articulation limit your travel. SPC joints are oversized and provide 80° of travel.
- **Get your drivability and tracking back:** Your truck may have started to 'wander' after you lifted it. That is because you lost caster. Install SPC arms and get your 'drivability' back by putting your alignment in specification.
- **Get your tire where you want it in the wheel well:** Are your oversized tires rubbing the fenders or frame rails? SPC Adjustable Arms, in combination with OE adjustments on the lower arm, allow you to dial in alignment specs at the same time that you move the tire forward/outward in the wheel well by up to 1".

Isolated **xAxis™** Sealed Flex Joint Bushings

- Booted to keep contaminants out
- Free pivoting to eliminate binding
- Bonded Rubber Sleeve
- To minimize Noise, Vibration, and Harshness (NVH)

Designed, engineered, tested, and assembled in Colorado, SPC has stepped it up again.

- Strongest arm available
- Most articulation of any arm, period
- The only booted adjustable ball joint on the market
- Maintenance free pivoting bushing



Fully Forged Arm

- Maximum strength
- Maximum clearance
- $+2$ Degrees of Caster built-in

Premium Greaseable Ball Joint

- 80° of articulation – more than any other ball joint
- 25% larger stud cross section vs OE
- Greaseable with sealed boot

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

Ford: 2004 & Up F150
(Except Raptor)

Lincoln: 2006 - 08 Mark LT

SPC #86252 upgraded bolts and adjustment plates lock in your alignment and prevent bolt slip on the lower control arm. See page 119.

Patent No. US 7,513,514

Front Adjustment range:
26012 +.50° Camber **26014** +1.0° Camber
 Installation time: .5 hr/side Required: 1 per wheel
APPLICATIONS
Ford 4WD: 2001 - 03 Explorer
 2001 - 05 Explorer Sport Trac; 2003 - 11 Ranger
Jeep RWD: 1994 - 01 Cherokee XJ
Jeep 4WD: 1984 - 01 Cherokee XJ
 1993 - 10 Grand Cherokee ZJ/WJ
 1987 - 06 Wrangler YJ/TJ; 1984 - 90 Wagoneer XJ
Jeep FWD/4WD: 2002 - 07 Liberty KJ
Jeep RWD/4WD: 1986 - 92 Comanche MJ
 2007 - 18 Wrangler JK; 2006 - 10 Commander XK

CAMBER SHIMS

Change camber +0.5° or +1.0° on many popular Jeep and Ford models by installing this shim between the hub and steering knuckle. A caliper shim is also included. These durable high-strength nylon shims provide a faster option for correcting negative camber issues.

26012 26014

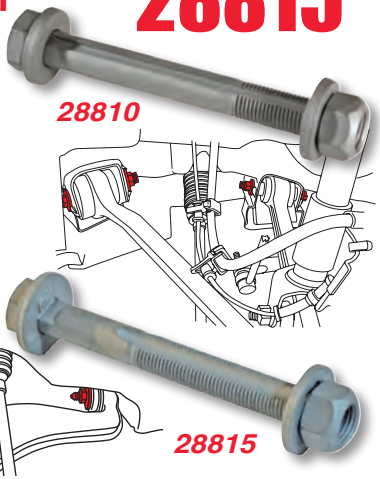


Front Adjustment range:
 Camber/Caster +0.3° OR -0.3° (**FIXED change**)
 Installation time: .4 hr/side
 Required: 1 per wheel **per adjustment**

MERCEDES CAMBER/CASTER CAM

Adjust camber or caster ±0.3° using the factory offset in the lower control arm bushings of many C and E Class platforms. Place the grooved bolt in the forward arm's bushing to change caster or in the rearward arm's bushing to change camber. If both camber and caster change are needed, you can use 2 kits.

28810 28815



28810 APPLICATIONS
Mercedes: 2001 - 07 C Class (W203, W204)
 2005 - 11 CLS, SLK Class (W218, W219, R171, R172)
 2004 - 09 CLK Class (C209)
 2003 - 09 E Class (W211, W212)
For more Mercedes Applications check our website
28815 APPLICATIONS
Chrysler: 2004 - 08 Crossfire (Incl. SRT6)
Mercedes: 1994 - 00 C Class (W202)
 2008 - 14 C Class (W204); 2000 - 06 CL Class (C215)
 1998 - 02 CLK Class (C208)
 2003 CLK Class (W208 Cabriolet)
 2010 - 16 E Class (W212)
 2003 - 09 E Class 4MATIC (W211)
 2009 - 15 GLK Class (X204)
 1999 - 05 S Class 4MATIC (W22)

Rear Adjustment range: Camber ±1.25°
 Installation time: .6 hr/side
 Required: 1 per wheel

MERCEDES REAR CAMBER KITS (PR)

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 ±1.25° of change. Stock bushings are easily removed using the Specialty Products bushing press adapters.

28840 28850 28855 28860

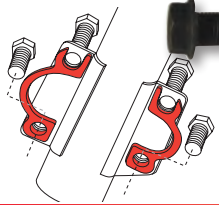


28840 APPLICATIONS
Chrysler: 2004 - 08 Crossfire (Inc. SRT6)
Mercedes: 2001 - 07 C Class (W203)
 1994 - 00 C Class (W202); 2004 - 09 CLK Class (W209)
 1998 - 03 CLK Class (W208)
 1996 - 02 E Class *Except Wagon* (W210)
 1986 - 95 E Class (W124); 1999 - 02 SL Class (W129)
 1996 - 11 SLK Class (R170, R171)
28850 APPLICATIONS
Mercedes: 2008 - 14 C Class (W204 & W205)
 2009 - 15 GLK Class (X204)
28855 APPLICATIONS
Mercedes: 2015 & Up C Class Sedan (W205)
 2010 - 16 E-Class
 2017 E-Class Coupe & Conv. (A207 & C207)
28860 APPLICATIONS
Mercedes: 2003 - 09 E Class (W211)
NOTE: The 28850, 28855 and 28860 Camber Kits DO NOT fit AMG Models

72509 - Ball joint press, pg 165
28840 uses:
75990 - Ball joint press sleeves, pg 167
28850, 28855, 28860 uses:
76000 - Ball joint press sleeves, pg 167

Parts

35075 35076



SPRINTER VAN FRONT ADJUSTER KIT (PR)

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 -1.0° (fixed)

35076 Camber -2.0° (fixed)

Installation time: .2 hr/side

Required: 1 per wheel

APPLICATIONS

Dodge: 2003 - 06 Sprinter Van

Freightliner: 2002 - 05 Sprinter Van

Mercedes: 2001 - 06 Sprinter Van

35077



SPRINTER FRONT ADJUSTER KIT (PR)

Camber change on the 2007 and up Sprinter Van is quick, easy, and locked in with this SPC cam kit. Get up to $\pm 3.0^{\circ}$ camber change by simply removing the upper OE bolt, loosening the lower bolt, installing and adjusting this cam kit to the desired change and then tightening everything to specification. Save time, money and effort by making aligning this two bolt strut vehicle a one man job. Kit includes two cams.

Front Adjustment range:

Camber $\pm 3.0^{\circ}$

Installation time: .4 hr/axle

Required: 1 per axle

APPLICATIONS

Dodge: 2007 - 09 Sprinter Van

Freightliner: 2007 & Up
Sprinter Van

Mercedes: 2007 & Up
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: 1987 - 95
Pathfinder; 1986 - 97 Pickup

Camber/Caster Shim Sets



37150 Duo-Fit

37150 DUO-FIT SET

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



47700 SLA

47700 SLA SET

These camber/caster shims (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

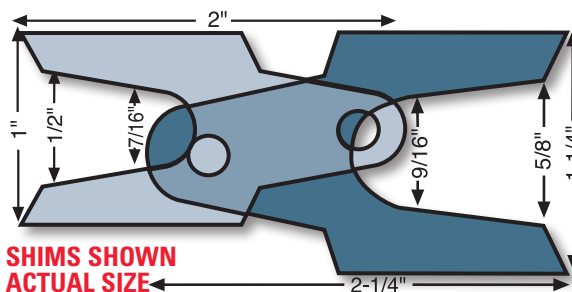
Camber/Caster Duo-Fit

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



SHIMS SHOWN
ACTUAL SIZE

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

Control arm shaft mount. bolts up to 5/8" dia.

47762 - 47764 'X'

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

Control arm shaft mount. bolts up to 7/16" dia.

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

Control arm shaft mount bolts up to 1/2" dia.

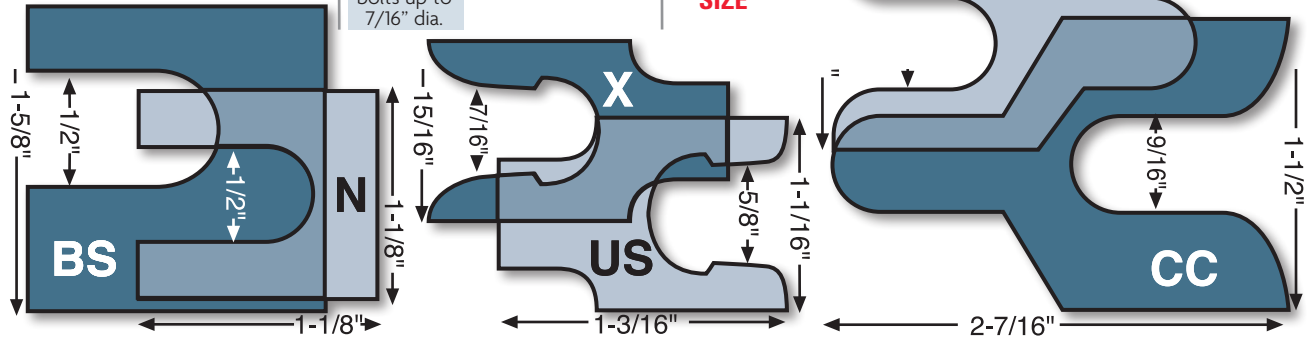
47775 - 47778 'CC'

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

Control arm shaft mount bolts up to 9/16" dia.

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

SHIMS SHOWN ACTUAL SIZE



47171 - 1/32" 47172 - 1/16"
47173 - 1/8" 6 Shims per part #

REAR APPLICATIONS

Chevrolet: 1963 - 82 Corvette C2/C3

Look for our front adjustable arms for C2/C3 Corvettes on page 131

CORVETTE TOE SHIMS

Bring rear toe back into factory specification for C2 and C3 Chevy Corvettes with these stackable shims from SPC. The set includes 6 each of our 1/32", 1/16", and 1/8" shims (total 18 shims). Shims are also available in single size 6 packs.

Set 47170 contains 6 shims ea.: 1/32", 1/16", 1/8"



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

Adjustment range: 1/32" to 1/8"

Installation time: .3 hr/side

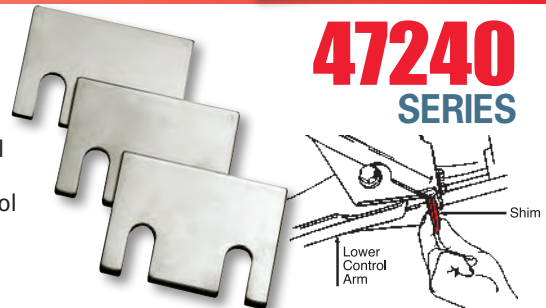
APPLICATIONS

Jeep: 1984 - 01 Cherokee
1986 - 92 Comanche
1993 - 04 Grand Cherokee
1984 - 90 Wagoneer

JEOP 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



Installation time: .5 hr/axle

Required: 1 per axle

APPLICATIONS

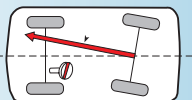
63020 - 2-3/8" Width

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

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

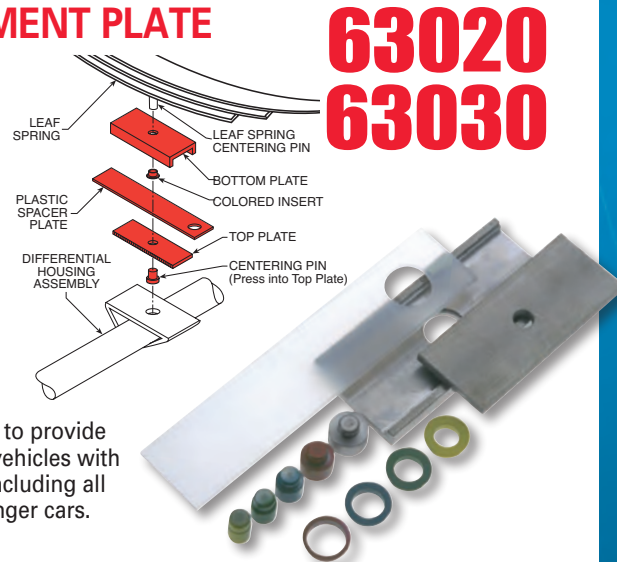
This is THE kit to correct Thrust Angle!



THRUST ALIGNMENT PLATE

Our 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.



Applications
Alignment Parts
Heavy Duty
OE Replacement
Racing/Builders
Tools
Accessories
Brake and CV
Gear/Index

Parts

66037

CHRYSLER LX CAMBER/CASTER CAM

Adjust camber or caster $\pm 0.3^\circ$ using the factory offset in the lower control arm bushings of the popular Chrysler LX platform. Simply replace the OE lower control arm bolts with these grooved bolts to achieve the change the factory provides. Need more adjustment? Replace the upper control arm with SPC's adjustable upper control arm - #66040, #66045 or #66047 (below).



Front Fixed Adjustment range:
Camber/Caster $+0.3^\circ$ OR -0.3°

Installation time: .4 hr/side

Required: 1 per wheel per adjustment

APPLICATIONS RWD ONLY

Chrysler: 2005 - 10 300
Dodge: 2008 - 10 Challenger
2006 - 10 Charger
2005 - 08 Magnum

66040 66045 66047

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 66040 and 66045 feature a fully forged arm while the 66047 features a tubular design, while both incorporate our low-profile adjustable ball joint. These arms fit both the left and right side.



66040
66045



66047

Patent No.
US 7,513,514

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

Installation time: .6 hr/side

Required: 1 per wheel

66040 APPLICATIONS

Chrysler: 2005 - 08 300 RWD
Dodge: 2008 - 08 Challenger RWD
2006 - 08 Charger RWD
2005 - 08 Magnum RWD

66045 APPLICATIONS

Chrysler: 2009 & Up 300 RWD
Dodge: 2009 & Up Challenger RWD
2009 & Up Charger RWD

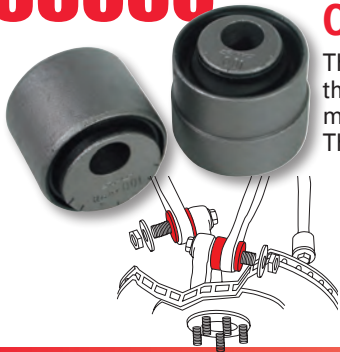
66047 APPLICATIONS

Chrysler: 2005 & Up 300 AWD
Dodge: 2017 & Up Challenger AWD
2006 & Up Charger AWD
2005 - 08 Magnum AWD

66050

CHRYSLER/DODGE REAR CAMBER KIT (PR)

This kit allows adjustment of rear camber on the Chrysler LX platform cars regardless of model year bushing size or arm construction. These "set-at-install" bushings can be clocked to provide up to $\pm 1.5^\circ$ of adjustment by replacing the outboard bushings on both upper control arms. By using the #66025 adapter along with the #40920 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 per wheel

APPLICATIONS

Chrysler: 2005 & Up 300
2004 - 08 Pacifica
Dodge: 2008 & Up Challenger
2006 & Up Charger
2005 - 08 Magnum

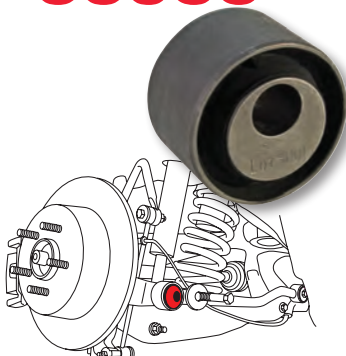


40920 - Performance Ball Joint Press, pg 161
 66025 - Bushing Press Sleeves, pg 164

66055

LX REAR TOE BUSHING

Extend the range of rear toe adjustment by $\pm 1.5^\circ$ on the rear of the Chrysler LX platform by installing SPC's offset bushing. The OE rear toe cam on the Challenger, Charger, 300, Magnum, and Pacifica gives you a $\pm 1.0^\circ$ window of adjustment. This is often not enough, especially if the suspension has been modified. Simply replace the OE bushing with SPC's offset bushing and use the factory cam to fine tune adjustment. Because the OE toe link is trapped, this kit is designed to replace the outer bushing while the arm is still on the car to save time.



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

Installation time: .3 hr/side

Required: 1 per wheel

APPLICATIONS

Chrysler: 2005 & Up 300
2004 - 08 Pacifica
Dodge: 2008 & Up Challenger
2006 & Up Charger
2005 - 08 Magnum

40920 - Performance Ball Joint Press, pg 161
 66025 - Bushing Press Sleeves, pg 164

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

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Chrysler: 2007 - 10 Sebring

Dodge: 2008 - 10 Avenger
2009 - 10 Journey

CHRYSLER/DODGE EZ ARM XR™

67015

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 $\pm 4.00^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Chrysler: 2011 - 14 200

Dodge: 2011 - 14 Avenger
2011 & Up Journey

CHRYSLER JC/JS EZ ARM XR™

67018

This fully adjustable trailing link provides $\pm 4^\circ$ camber change for the rear of the Chrysler 200, Dodge Avenger and Dodge Journey. The simple to install "remove and replace" kit provides a lifetime of adjustability to maximize tire life and dial in handling.



Rear Adjustment range: Camber $\pm 3.50^\circ$

Installation time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

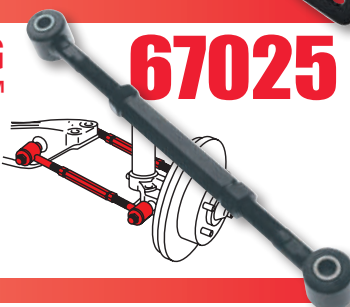
Chrysler: 2004 - 06 Sebring Sedan & Conv.

Dodge: 2004 - 06 Stratus Sedan

STRATUS AND SEBRING EZ ARM XR™

67025

Adjust rear camber on 2004 - 06 Sebring and Stratus sedans up to $\pm 3.5^\circ$ 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 $+5.00^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Acura: 1997 - 00 EL

1990 - 01 Integra

Honda: 1988 - 00 Civic; 1997 - 01 CR-V

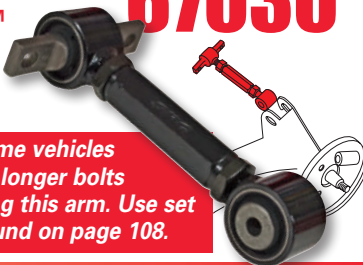
1988 - 92 CRX; 1992 - 97 Del Sol

HONDA/ACURA REAR EZ ARM XR™

67030

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

NOTE: Some vehicles may need longer bolts when using this arm. Use set #73415 found on page 108.



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

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Acura: 1997 - 99 CL

1996 - 98 TL

1992 - 94 Vigor

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 $+3.5^\circ$. 67065 comes with a non-directional ball joint preinstalled. (Extreme drops - use #67265

Replacement ball joint - #67075 available, page 149.



Rear Adjustment range:
Camber -2.00° to $+1.00^\circ$ *

Installation Time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

Chrysler: 1999 - 04 300M

1998 - 04 Concorde

1998 - 01 LHS

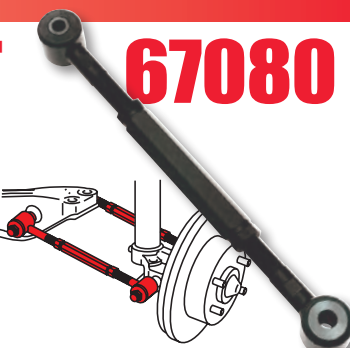
Dodge: 1998 - 04 Intrepid

CHRYSLER LH EZ ARM XR™

67080

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.

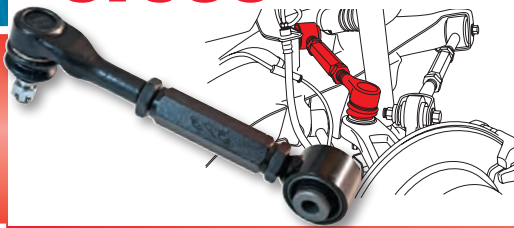


Parts

67090 67095

HONDA/ACURA REAR EZ ARM XR™

For many Hondas and Acuras, these arms have an OE 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 - 04 CL
1996 - 04 RL
1999 - 03 TL

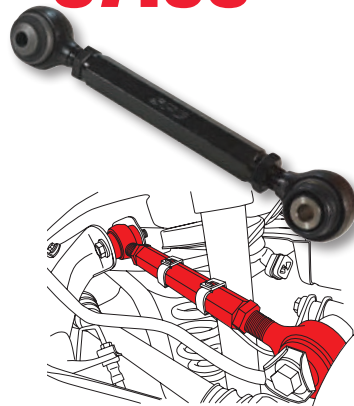
Honda: 1998 - 02 Accord

67095 Acura: 2004 - 08 TL

67105

1 & 3 SERIES BMW ADJ. CAMBER ARM

Factory camber adjustment on the rear of the BMW 1 & 3 Series is limited and often not enough. Use SPC's rear camber arm to get an additional ±3° of camber on the E90, E91, E92, & E93 as well as the E82 & E88 models. Simply replace the OE link with SPC's adjustable link and adjust camber to minimize tire wear, optimize handling, or get ready for the track. Once camber is where you want it, set toe with the OE cam and you are good to go. This arm is equipped with SPC's xAxis™ ball joint and a bonded rubber bushing to maintain factory ride quality. The arms are sold per side, get two kits if you need to adjust both sides of the car.



Rear Adjustment range:
Camber ±3.00°

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

BMW: 2008 - 13 1 Series
Incl 1M Coupe
2007 - 13 3 Series
(Coupe & Conv.)
2006 - 12 3 Series
(Sedan & Wagon)
2007 - 13 M3

67108

BMW/MINI REAR ADJ. CONTROL ARM

Get ±3° of camber adjustment on your late model BMW or MINI with this rear camber arm from SPC. Whether you need to improve tire life, add aggressive camber settings for the track, or just want a better handling car for the street, this is the arm for you. The high strength steel arm features fully forged ends and high durometer rubber bushings for long life, minimized noise, vibration, and harshness (NVH), and great handling characteristics. The easy to adjust turnbuckle and the remove and replace design make this a hassle free install with lifetime adjustability. Sold each, order two to add camber adjustability to both sides of the car.



**87566 - MINI Rear
Toe Adjusting Tool,**
pg 170

Rear Adjustment range:
Camber ±3.00°

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

BMW: 2016 & Up X1 (F48)
2018 X2 (F38)

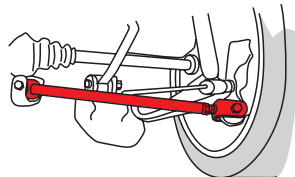
MINI: 2014 & Up Cooper 3-Door
(F55/F56)
2016 & Up Cooper
Clubman (F54)
2016 & Up Cabrio (F57)
2017 & Up Countryman
(F60)

67110

BMW REAR CAMBER ARM

For BMW E36, E46 and E85 bodied vehicles this tubular style arm is great when lowering this popular vehicle, or for correcting rear camber on stock vehicles.

**For high
performance
applications
check out our
billet aluminum
arm (#72110) on
page 100.**



Rear Adj. 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 (E46)
1999 - 05 3 Series Sedan
and Wagon (E46)
1992 - 99 3 Series 318, 323
and M3 (E36)
2003 - 08 3 Series Z4 (E85)

87565 - Rear Toe Adjusting Tool, pg 170

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

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

APPLICATIONS FRONT

67115 Ford: 2006 - 12 Fusion Mazda: 2003 - 08 Mazda6
Lincoln: 2007 - 12 MKZ Mercury: 2006 - 11 Milan
2006 Zephyr

67125 Acura: 2001 - 04 CL; 1997 - 99 CL (w/35.3mm Ball Joint Dia.)
1999 - 08 TL; 1996 - 98 TL 2.5; 2004 - 08 TSX
Honda: 1998 - 02 Accord; 1988 - 91 Civic; 1988 - 92 CRX
1995 - 98 Odyssey
Isuzu: 1996 - 99 Oasis

67135 Acura: 1997 - 00 EL; 1990 - 01 Integra; 1991 - 96 Legend
1996 - 04 RL; 2009 - 14 TL; 1996 - 98 TL 3.2
2009 - 14 TSX
Honda: 2003 - 12 Accord; 2010 - 15 Accord Crosstour
1992 - 00 Civic; 1997 - 01 CRV
1992 - 97 Del Sol
1997 - 02 Prelude (Non-SH)

67145 Acura: 1997 - 99 CL (w/33.5mm Ball Joint Dia.)
Honda: 1990 - 97 Accord

67165 Acura: 1992 - 94 Vigor
Honda: 1992 - 96 Prelude; 1997 - 02 Prelude SH
1992 - 94 Prelude 4WS

67180 Chrysler: 1995 - 00 Cirrus; 2001 - 06 Sebring Sedan
1996 - 06 Sebring Conv.
Dodge: 1995 - 06 Stratus Sedan
Plymouth: 1996 - 00 Breeze

67190 Hyundai: 2006 Azera (before 10/31/06)
1999 - 06 Sonata (before 9/21/06); 2001 - 05 XG300/350
Kia: 2004 - 06 Amanti; 2001 - 06 Optima

67195 Hyundai: 2007 - 11 Azera (after 10/31/06)
2007 - 10 Sonata (after 9/21/06)
Kia: 2007 - 11 Amanti

APPLICATIONS REAR

67155 Honda: 1995 - 98 Odyssey; 1997 - 02 Prelude SH
Isuzu: 1996 - 99 Oasis

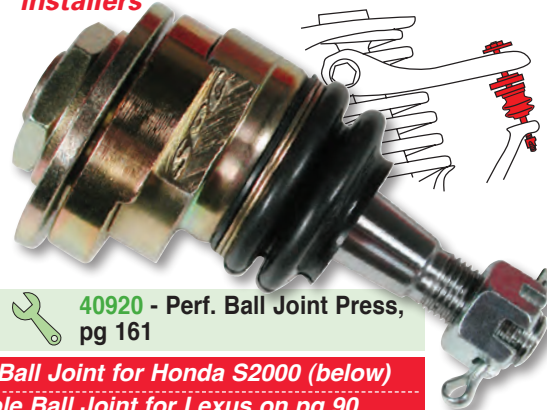
67165 Honda: 1992 - 02 Prelude


ADJUSTABLE BALL JOINT

67115
67125
67135
67145
67165
67180
67190
67195

These adjustable upper ball joints allow for 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 $+1.5^\circ$ check out our Extended Range Ball Joints on page 86.

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



 **40920 - Perf. Ball Joint Press, pg 161**

See our Adjustable Ball Joint for Honda S2000 (below)

See our Adjustable Ball Joint for Lexus on pg 90

Rear Adjustment range:

1 Kit per Axle Toe Only $\pm 1.50^\circ$

2 Kits per Axle Toe $\pm 3.00^\circ$
Camber $\pm 3.00^\circ$

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™ (PR)

These control arms make it possible to adjust rear camber and toe on all production models of Dodge and Plymouth Neons, including the SRT 4. These arms 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.



Front/Rear* Adjustment range:

Camber $\pm 1.5^\circ$

Installation Time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

Honda: 2000 - 09 S2000



40920 - Perf. Ball Joint Press, pg 161

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.**



67230**HONDA/ACURA
EZ ARM XR™**

This EZ Arm corrects rear camber on Honda's redesigned 2001 - 05 Civic along with the 2002 - 06 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°

Installation Time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Acura: 2001 - 05 EL; 2002 - 06 RSX
Honda: 2001 - 05 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°. The "bent" design of the arm gives extra clearance. 67265 comes with a non-directional ball joint preinstalled. (Stock vehicles - use 67065 page 81). Replacement Ball Joint 67075 (page 149).

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

Installation Time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Acura: 1997 - 99 CL
1996 - 98 TL
1992 - 94 Vigor
Honda: 1990 - 97 Accord

67270**SATURN REAR EZ ARM XR™**

Designed to adjust camber on the 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".

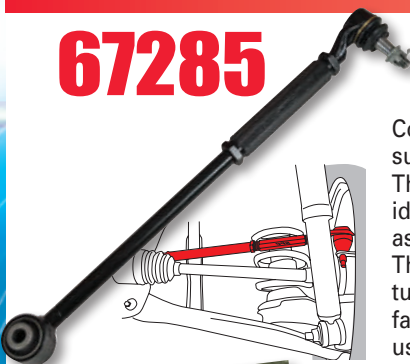
Rear Adjustment range:
Camber ±4.00°

Installation Time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

Saab: 2000 - 09 9-5
w/o Auto Leveling Headlights
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 ±2.0°, factory toe adjustments can then be used to complete the alignment.

Rear Adjustment range:
Camber. ±2.00°

Installation time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

Ford FWD/AWD: 2001 - 12 Escape
Mazda FWD/AWD:
2001 - 11 Tribute
Mercury FWD/AWD:
2005 - 11 Mariner

Racing again with SPC: Bob Seelig

Bob was featured in our 2017-2018 catalog with his 1989 CRX which was a class winner in the 2016 SCCA RallyCross Nationals. Bob knows the value of race proven parts, and he runs SPC adjustable ball joints, "I am happy to report SPC parts are as good as advertised as I have not broken a ball joint since using their parts."

This year Bob is racing a 1988 CRX si complete with 67320 Adjustable Ball

Joints on the front (page 86) and 67030 Camber Arms (page 81) on the rear. Wheels up Bob!!!!

Rear Adjustment Range:
67289 (5 ARM SET)

Camber: $\pm 3.0^\circ$

Toe: $\pm 3.0^\circ$

Setback: $\pm 1.0"$

67290 Camber: -2.0° to $+4.0^\circ$

67291 Camber: $\pm 3.0^\circ$

67292 Setback: 1" to +1"

67293 Setback: 1" to +1"

67295 Toe: $\pm 3.0^\circ$

Installation time:

67289 - .7 hr/side

67290 - .5 hr/side

67291 - .5 hr/side

67292 - .5 hr/side

67293 - .5 hr/side

67295 - .5 hr/side

Required: 1 per wheel

APPLICATIONS

67289, 67290, 67291, 67292, 67293, 67295

Acura: 2004 - 08 TL (inc. Type S)
2004 - 08 TSX

Honda: 2003 - 07 Accord

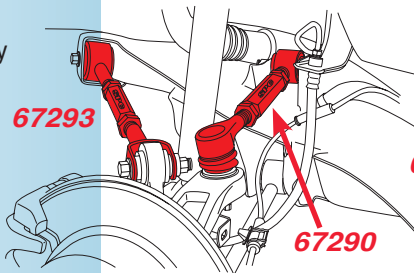
67290 ONLY

Acura: 2001 - 06 MDX

Honda: 1999 - 04 Odyssey
2003 - 08 Pilot

See the web for in-depth information on this kit and how it will work in the Honda/Acura multi-link suspension.

67293



67290

Attention: The sequence of arm adjustments made is extremely important when upgrading this multi-link system.

**HONDA/ACURA
5 ARM SET**

Use this five (5) link set to adjust camber, toe, set-back, and track width on your Accord, TSX, and many more Honda & Acura models. Whether you are modifying your suspension for the track or getting your alignment angles back after adjusting ride height, this is the most comprehensive kit for you. Honda's multilink set-up is susceptible to binding if you try to change the length of just one of the arms. This kit corrects that and will let you set your suspension where you want it without binding.

67295

67291

67293

67292

67290



67295

67291

67292



**67290 -
UPPER CAMBER LINK
WITH BALL JOINT**

Adjust camber -2° to $+4^\circ$ with this adjustable control arm. This link comes with two flanged castle nuts so it will fit correctly in both steel and aluminum knuckles.

**67291 -
LOWER CAMBER
LATERAL LINK**

Use this arm to affect setback, camber, and track width. This arm ties into the knuckle directly below the 67290. Adjusting this in unison with the upper link will take bind out of the system.

**67292 -
LOWER FORWARD
LATERAL LINK**

Use this arm to affect setback and toe. These links have bonded rubber bushings to maintain factory levels of noise vibration and harshness (NVH).

**67293 -
UPPER REARWARD LATERAL
LINK**

Use this arm to affect setback and track width. The arm's adjustability will allow you to remove bind as you adjust camber with the other arms.

**67295 -
TOE LINK**

Use this arm to affect toe and track width. The kit also includes a replacement bolt and nut for the inboard end where we have found the OE cam bolt is often corroded and gets destroyed upon removal.

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 four spacers will decrease your up-travel by 8mm at the strut.



67300

These Jounce Spacers are featured on our 72123 and 72130 Nissan arms

Parts

67320
67330
67340
67360

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 83.

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

SPC
PERFORMANCE PERFORMANCE

 **40920 - Perf. Ball Joint Press, pg 161**

Adjustment range: Camber +1.50° to +3.00°

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

APPLICATIONS FRONT

67320 **Acura:** 2001 - 04 CL; 1997 - 99 CL (w/35.3mm Ball Joint Dia.)
1999 - 08 TL; 1996 - 98 TL 2.5; 2004 - 08 TSX
Honda: 1998 - 02 Accord; 1988 - 91 Civic
1988 - 92 CRX; 1995 - 98 Odyssey
Isuzu: 1996 - 99 Oasis

67330 **Acura:** 1997 - 00 EL; 1990 - 01 Integra; 1991 - 96 Legend
1996 - 04 RL; 2009 - 14 TL; 1996 - 98 TL 3.2
2009 - 14 TSX
Honda: 2003 - 12 Accord; 2010 - 15 Accord Crosstour
1992 - 00 Civic; 1997 - 01 CRV; 1992 - 97 Del Sol
1997 - 02 Prelude (Non-SH)

67340 **Acura:** 1997 - 99 CL (w/33.5mm Ball Joint Dia.)
Honda: 1990 - 97 Accord

67360 **Acura:** 1992 - 94 Vigor
Honda: 1992 - 96 Prelude
1997 - 02 Prelude SH
1992 - 94 Prelude 4WS

APPLICATIONS REAR

67360 **Honda:** 1992 - 02 Prelude

67381
67382

HONDA ADJUSTABLE LOWER BALL JOINT

Use this adjustable lower ball joint to get back to specification on the Honda Civic and CR-V. Whether you are tracking your Civic or need some change to stop tire wear on your CR-V, this maintenance-free sealed ball joint will do the job. #67381 will give up to -1° change on the Civic and up to -.5° change on the taller strutted CR-V. Need positive change? #67382 will give up to +1° change on the Civic and up to +.5° change on the CR-V. SPC also carries a non-adjustable stock ball joint for these applications, #12715, page 147. **NOTE: DOES NOT FIT CIVIC TYPE R.**

Front Camber Adjustment range:

67381 Civic: 0° to -1.0°
Accord & CR-V: 0° to -.5°

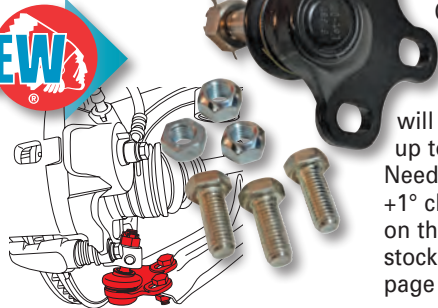
67382 Civic: 0° to +1.0°
Accord & CR-V: 0° to +.5°

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

Honda:
2018 Accord
2016 & Up Civic
(not Type R)
2017 & Up CR-V



67410

HYUNDAI/KIA REAR EZ ARM XR™

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

 **85130 - Rotary File, pg 169**

Rear Adjustment range:

Camber ±2.0°/Toe ±2.0°

Installation Time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Hyundai: 2007 - 10 Elantra
2011 - 12 Elantra Touring
Kia: 2007 - 10 Optima
2007 - 12 Rondo

67415

MAZDA REAR EZ ARM XR™

This remove and replace camber arm provides ±3° of change and the included extended range toe cam will get toe back to specification through the entire camber range. The perfect kit to correct for handling and tire wear issues, the track, or stance. Use rotary file #85130 to extend the toe slot and take advantage of the full throw of the toe cam bolt.

Rear Adjustment range:


Camber ±3.00° Toe ±1.50°

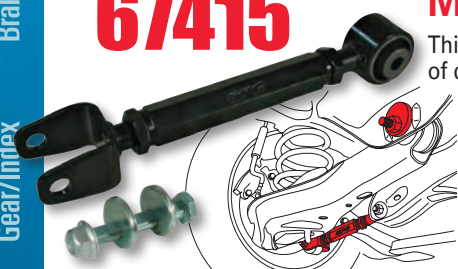
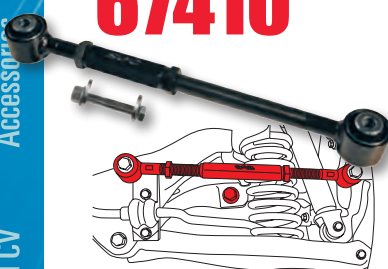
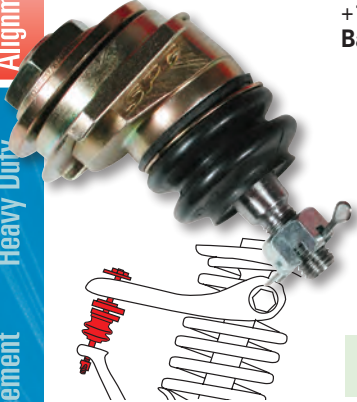
Installation Time: .7 hr/side

Required: 1 per wheel

APPLICATIONS

Mazda: 2014 - 16 Mazda3

 **85130 - Rotary File, pg 169**



Rear Camber Adjustment

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

67420 Rear Camber -1.5° to +5.0°

APPLICATIONS

Ford: 2013 & Up C-Max; 2013 & Up Escape
2000 & Up Focus

Mazda: 2004 - 13 Mazda3; 2006 - 15 Mazda5

Volvo: 2008 - 13 C30; 2006 - 13 C70
2004 - 12 S40; 2004 - 11 V50

67440 Rear Camber ±3.0°

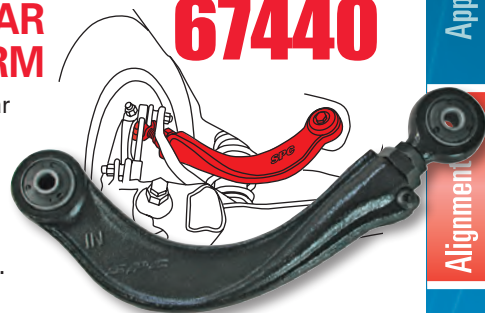
APPLICATIONS

Toyota: 2000 - 05 Celica



CELICA, FORD, 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.



67420 67440

Rear Adjustment range:
Camber ±2.0°

Installation Time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Ford: 2006 - 12 Fusion

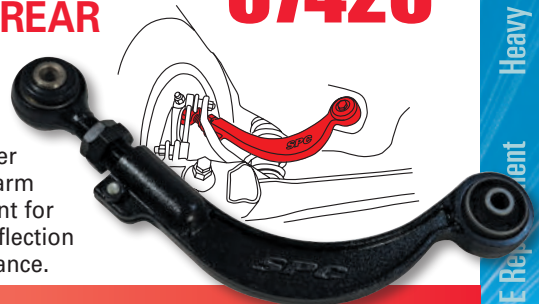
Lincoln: 2006 - 12 Zephyr/MKZ

Mazda: 2003 - 13 Mazda 6

Mercury: 2006 - 11 Milan

MAZDA 6 & FORD FUSION ADJUSTABLE REAR CAMBER ARM

These high strength forged adjustable rear arms are the answer for tuners and installers needing extended camber adjustment ranges (up to ± 2.0°). The arm includes SPC's xAxis™ Sealed Flex joint for improved durability and minimized deflection providing improved handling performance.



67425

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

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Honda: 2002 - 06 CR-V

2003 - 11 Element

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.



67430

Rear Adjustment range: Camber. ±2.00°

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

APPLICATIONS

Dodge AWD/FWD: 2007 - 12 Caliber

Jeep AWD/FWD:

2007 - 17 Compass

2007 - 17 Patriot

Mitsubishi AWD/FWD:

2008 - 17 Lancer

2007 & Up Outlander

2011 & Up Outlander Sport

DODGE/JEEP REAR CAMBER ARM

Replace the non-adjustable rear upper control arm with this adjustable arm to dial in ±2° of rear camber on the Dodge Caliber, Jeep Compass and Patriot. This remove and replace arm includes an OE style xAxis™ ball joint and bonded rubber bushing to match chassis design parameters and OE ride quality.



67455

Patent No. US
8,746,714

Rear Adjustment range:
Camber ±1.25°

Installation time: .75 hr/side

Required: 1 per wheel

APPLICATIONS

Acura: 2006 - 11 CSX
2013 & Up ILX

Honda: 2006 - 15
Civic (Incl.
Si/Hybrid)



75980 - Bushing Sleeves, pg 167

72509 - Ball Joint Press, pg 165

#67475 rear arm kits (page 88).

CIVIC CAMBER BRACKET

This rear bracket and bushing replaces the stock mount on 8th/9th Gen Civics. By rotating the eccentric bolt/cam assembly in the bracket, you can get ±1.25° of rear camber change. Use the #75980 bushing removal press to remove the old bushing and to press in the new bushing. If more change is needed for lowered/performance applications check out our #67466 or



67465

Applications

Alignment

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

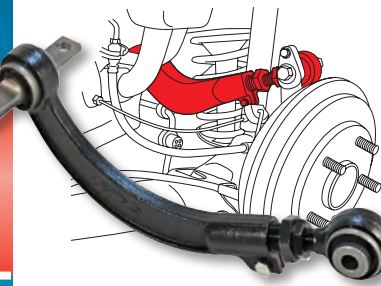
Gear/Index

Parts

67466

HONDA CIVIC CAMBER ARM

Use this remove and replace adjustable control arm from SPC to make rear camber changes on Honda's 8th and 9th generation Civics as well as Acura CSX & ILX. SPC's unique adjustment design permits on car adjustment of $\pm 3^\circ$ camber and is adjustable for life. SPC's forged steel design adds adjustment to the arm without any weight penalty vs. the OE arm it will replace. Whether you need negative camber and reduced compliance for the track or want to get back to OE specifications after lowering, this is the arm for you.



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

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Acura: 2006 - 11 CSX
2013 & Up ILX

Honda: 2006 -15 Civic
(Incl. Si/Hybrid)

67467

CIVIC REAR ADJUSTABLE CONTROL ARM

Remove and replace your factory rear upper control arm with SPC's adjustable arm to make rear camber changes on your 10th generation Civic. SPC's unique adjustment design permits on car adjustment of $\pm 3.0^\circ$ camber and is adjustable for life. SPC's forged steel design adds adjustment to the arm without a weight penalty vs. the OE arm it will replace. Whether you need negative camber and reduced compliance for the track or want to get back to OE specifications after lowering, this is the arm for you.



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

Installation time: .5 hr/side

Required: 1 per wheel

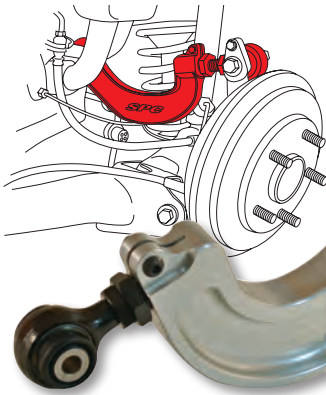
APPLICATIONS

Honda: 2016 & Up Civic
(Except Type R)

67475

HONDA/ACURA CAMBER ARM

Get your 8th and 9th generation Civic or Acura CSX & ILX track ready with SPC's aluminum adjustable rear camber arm. SPC aluminum arm weighs less than the OE arm it will replace. The arm is built with SPC's xAxis™ sealed flex joint to reduce compliance. Its unique adjustment design permits on car adjustment of $\pm 3^\circ$ camber. Whether you need negative camber and reduced compliance for the track or want to get back to OE specifications after lowering, this is the arm for you.



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

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Acura: 2006 - 11 CSX
2013 & Up ILX

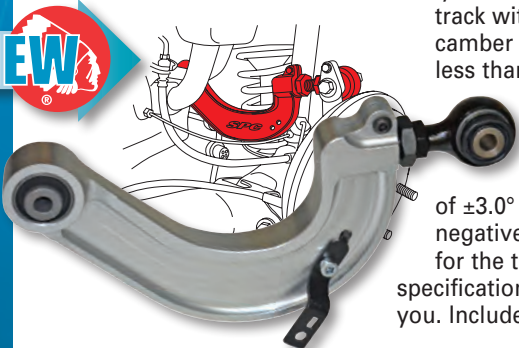
Honda: 2006 - 15 Civic
(Incl. Si/Hybrid)

SPC
PERFORMANCE

67476

CIVIC REAR CAMBER ARM

Get your 10th generation Civic ready for the track with SPC's aluminum adjustable rear camber arm. SPC's aluminum arm weighs less than the OE arm it will replace. The arm is built with SPC's xAxis™ sealed flex joint to reduce compliance. Its unique adjustment design permits on-car adjustment of $\pm 3.0^\circ$ camber. Whether you need negative camber and reduced compliance for the track or want to get back to OE specifications after lowering, this is the arm for you. Includes bracket for installing on Type Rs.



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

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

Honda: 2018 Accord
2016 & Up Civic
(Including Si and Type R)
2017 & Up CR-V

SPC
PERFORMANCE

Rear Adjustment range:
(Includes the camber adjustment
built-in from the factory)
Camber +3.25°

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Scion: 2005 - 10 tC



SCION tC REAR ARM

67485

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 ±1.25°. 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 OE cam bolt.



Rear Adjustment range:
Camber ±2.00°

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Lexus: 2011 - 17 CT
2010 - 12 HS

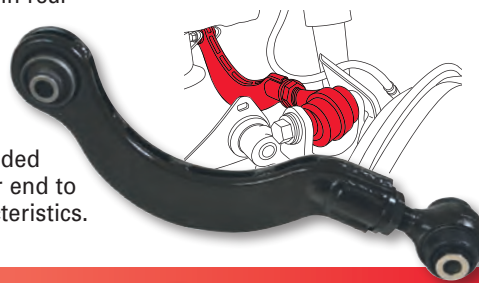
Scion: 2011 - 16 tC; 2016 iM

Toyota: 2017 & Up Corolla iM

SCION tC REAR ARM

67487

Use this adjustable control arm to dial in rear camber on the 2011 and up Scion tC. Simply replace the rear upper control arm with this adjustable arm. Arm includes SPC's xAxis™ sealed flex joint on the outboard end and a bonded rubber bushing on the inner end to maintain factory ride characteristics.



Rear Adjustment range:
Camber ±2.00°

Installation time: .5 hr/side

Required: 1 per wheel

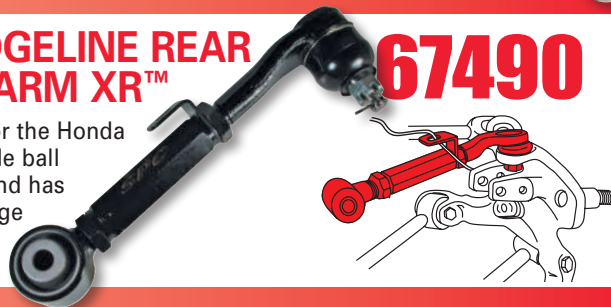
APPLICATIONS

Honda: 2006 - 14 Ridgeline

**HONDA RIDGELINE REAR
EZ ARM XR™**

67490

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



Rear Adjustment range:
Camber ±3.00° Toe ±1.50°

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Hyundai: 2001 - 06 Santa Fe



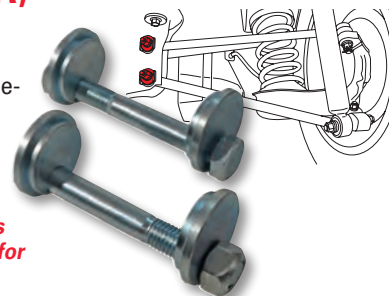
85130 - Rotary File, pg 169

**HYUNDAI SANTA FE REAR
CAMBER/TOE BOLTS (PR)**

67493

Double the change provided by the OE cams for camber and toe on the rear of the 2001 to 2006 Hyundai Santa Fe by using SPC's replacement cams. Use SPC's Rotary File #85130 to elongate the OE slot and take advantage of this cam's extended adjustment range.

Note: It is not easy to elongate the upper slot on AWD vehicles, use a right angle drill or SPC's remove and replace arm kit #67495 (next page) for the 2003 - 06 Santa Fe.



Why all the options for the same application?

We are often asked this question and many times it involves specific options that we want to provide to the installer. In the case of the 8th and 9th generation Civics these vehicles cross many markets - from grocery getters to tuner to track. The three rear alignment part options for this application are specifically targeted for these specific uses.

	Honda 2006 & Up Civic, (Incl. Si, Hybrid) Acura 2006 - 11 CSX; 2013 & Up ILX	REAR Camber Change	Install Time	Construction	Bushing	Weight
Good 67465		± 1.25°	.75 hr/side	Stamped Steel	Replace OE Inner	> OE
Better 67466		± 3.0°	.5 hr/side	Forged Steel	OE Style	= OE
Best 67475		± 3.0°	.5 hr/side	Forged Aluminum	xAxis™ Outer	< OE

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

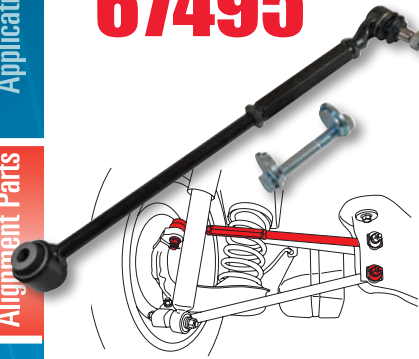
Gear/Index

Parts

67495

SANTA FE ADJUSTABLE REAR ARM AND TOE CAM

Get $\pm 3.5^\circ$ of camber and $\pm 1.5^\circ$ of toe change on the rear of the 2003 to 2006 Hyundai Santa Fe by replacing the rear upper control arm. Use the included extended range cam bolt on the lower link to extend toe if needed. Use this kit's remove and replace control arm to replace a failed OE control arm and get the ability to dial in rear camber alignment for improved tire wear and drivability. Need change on an '01 or '02? Use cam kit p/n 67493 (previous page) to double the change provided by the OE cams.



Rear Adjustment range:
Camber $\pm 3.50^\circ$ Toe $\pm 1.50^\circ$

Installation time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

Hyundai: 2003 - 06 Santa Fe



85130 - Rotary File, pg 169

67510 67515

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 169

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

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

67510

Lexus: 1998 - 05 GS; 2002 - 10 SC

67515

Lexus: 2001 - 05 IS

67520

LEXUS IS & GS ADJ. REAR CAMBER ARM

SPC's tried and proven adjustable rear arms allow camber changes up to $\pm 1.5^\circ$ (Limited only by the toe cam's range). With the correct camber dialed in you can set up the popular Lexus IS and GS for superior handling and extended tire life.



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

Installation time: .5 hr/side

Required: 1 per wheel

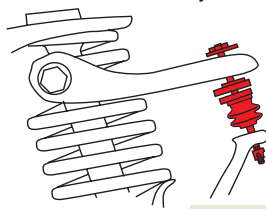
APPLICATIONS

Lexus: 2006 - 11 GS; 2006 - 13 IS
2014 ISF; 2014 - 15 IS Conv.

67525 67530

LEXUS GS/IS BALL JOINT

Designed specifically for the Lexus GS & 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 161

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

Installation Time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

67525

Lexus: 2001 - 05 IS

67530

Lexus: 2006 - 11 GS
2006 & Up IS

Featured Owner: Cliff Luther

Exquirit Charger is the newest vehicle to be customized by Cliff Luther, a vehicle enthusiast from Las Vegas. Cliff has built a variety of vehicles in the past and this 2014 Charger RT is his latest. With a laundry list of mods from 22" Platinum Turbine Wheels and Tarantula Nano I.C.E to performance enhancing Magnaflo exhaust and K&N intake along with SPC adjustable front upper arms (part no. 66045 pg. 80) and a rear bushing set (part nos. 66050 & 66055 pg. 80) is "Plum Crazy".



Rear Adjustment Range:
67540 (3 ARM SET)

Camber: $\pm 3.0^\circ$ / Toe: $\pm 3.0^\circ$
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: 2015 & Up TLX AWD
2009 - 14 TL, TSX

Honda: 2008 - 17
Accord
2010 - 15
Crosstour

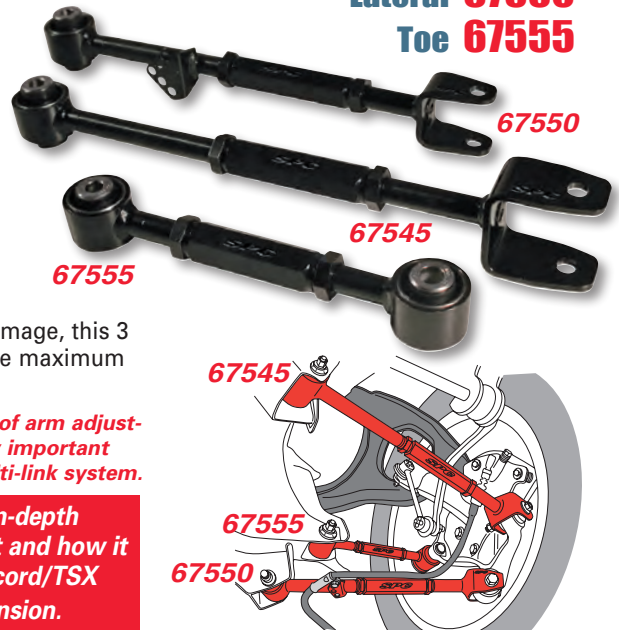
ACCORD/TSX REAR ADJUSTABLE 3 ARM SET

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

67540
Camber **67545**
Lateral **67550**
Toe **67555**



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 $\pm 1^\circ$.

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

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

67570

Acura: 2007 - 13 MDX
2010 - 13 ZDX

Honda: 2009 - 15 Pilot

67590

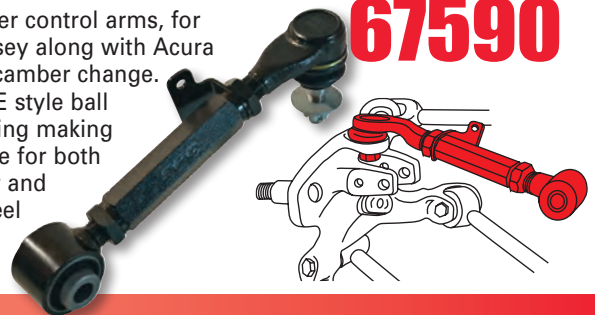
Honda: 2005 - 17 Odyssey

HONDA REAR CAMBER ARMS

These adjustable rear upper control arms, for the Honda Pilot and Odyssey along with Acura MDX, ZDX, 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.

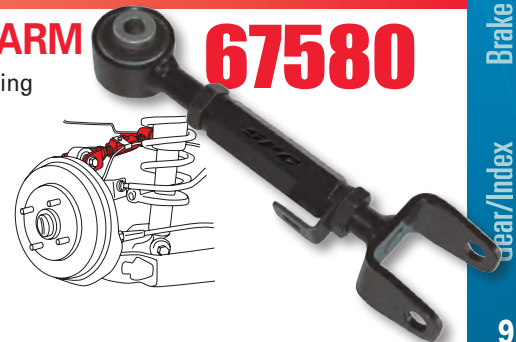
67570
67590



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.

67580



67610

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.



87566 - MINI Rear Toe Adjusting Tool, pg 170

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

Installation time: .6 hr/side

Required: 1 per axle

APPLICATIONS

Mini Cooper: 2009 - 15 Convertible
2008 - 14 Clubman; 2011 - 16 Countryman
2012 - 15 Coupe (Incl. Roadster)
2002 - 13 Hardtop; 2013 - 16 Paceman

67620 67630

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 165 - Use this tool for struts with adjustable damping

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

Installation Time: 1.2 hr/side

Required: 1 per axle



APPLICATIONS

67620 Mini Cooper: 2004 - 08 Convertible
2002 - 06 Hardtop

67630 Mini Cooper: 2009 - 15 Convertible
2008 - 14 Clubman; 2011 - 16 Countryman
2012 - 15 Coupe (Incl. Roadster)
2002 - 13 Hardtop; 2013 - 16 Paceman

67640

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, STIs and WRXs as well as Saab 9-2Xs. Especially designed for the performance enthusiast, these arms can be used on lowered or stock ride height vehicles.

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
WRX, STI
1990 - 99 Legacy, Outback
1992 - 97 SVX

Saab: 2005 - 07 9-2X

67655

SUBARU/SCION ADJ. 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.

Rear Adjustment range: Toe $\pm 3.0^\circ$

Installation time: .5 hr/side

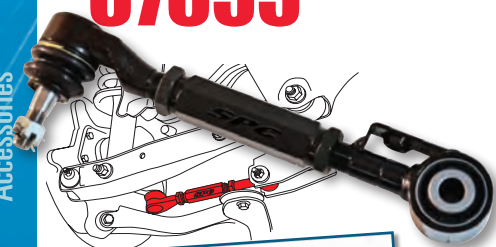
Required: 1 per wheel

APPLICATIONS

Scion: 2013 - 16 FR-S
Subaru: 2013 & Up BRZ
2009 & Up Forester
2010 & Up Legacy, Outback
2008 - 16 Impreza
2008 & Up WRX (Inc. STI)
2012 & Up XV CrossTrek
Toyota: 2017 & Up 86

Race with SPC and the SCCA Solo Spec Coupe Class

The SCCA (Sports Car Club of America) has a new Solo Spec Coupe Class for the popular Subaru BRZ and Scion FR-S. In the Spec Class some club approved alterations are accepted on the track. Specialty Products' approved parts include the 81305 Scion/Subaru Cam Bolts (#81305, page 111), the Adjustable Rear Camber Arm (#67660, next page) and the Adjustable Rear Toe Arm (#67655, above). These classes are great for weekend racers who want to be able to achieve the best handling and tracking by adding aftermarket parts.

SPC PERFORMANCE

Solo Spec Coupe (SSC)



2013-16 Subaru BRZ or Scion FR-S

- Konix Sport Drilled brake discs w/ temp proof seal
- Street RWD (Rear Wheel Drive) Performance Handling Package (springs and adjustable anti-roll bar)
- Street RWD (Rear Wheel Drive) Performance Handling Package (springs and adjustable lower control arms, and toe arms)
- SPC Performance? Adjustable Alignment Kit (Camber rods, adjustable lower control arms, and toe arms)
- Tires: Falken Azenis RT660s (225/40R17)
- Wheel: 17" w/ 11 pounds inboard, wheel offset +40 (WRX) or greater

The Toe Arm is the SCCA's Coordinating Partner and Preferred Supplier.

The SSC Package, or individual kit components, are available to SCCA members at a discounted price.

Instantly through the Tire Rack.

If you're not an SCCA member, membership information will be provided by the Tire Rack during the ordering process.

The Solo Spec Coupe (SSC) Flute harlot can be found on the Solo Cars and Flute website.



Rear Adjustment range:
Camber $\pm 2.0^\circ$ Toe 1.5° Fixed
Installation time: .5 hr/side
Required: 1 per wheel



APPLICATIONS

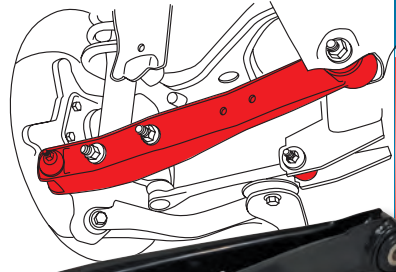
- Scion:** 2013 - 16 FR-S
Subaru: 2013 & Up BRZ
 2009 & Up Forester
 2010 & Up Legacy, Outback
 2008 - 16 Impreza
 2008 & Up WRX (Inc. STi)
 2012 & Up XV CrossTrek
Toyota:
 2017 & Up 86

- 67647 - Bushing Sleeves, pg 164**
72509 - Ball Joint Press, pg 165

SUBARU/SCION ADJ. REAR CAMBER ARM AND TOE KIT

67660

This high strength adjustable lower rear camber arm provides $\pm 2.0^\circ$ of change for the popular BRZ, FR-S, WRX and Impreza. Get the ultimate in performance and handling with this stamped arm featuring our new xAxis™ Sealed Flex Joint which performs like a pillow joint but lasts like an OE joint. This kit is easy to adjust with a cam located at the outboard side of the arm. SPC's control arm is the only kit on the market to include an offset toe bushing to increase the range of your factory cam. If you need more toe consider SPC's toe arm #67655 (previous page).



Rear Adjustment range:
Camber. $\pm 2.00^\circ$
Installation time: .7 hr/side
Required: 1 per wheel

APPLICATIONS

- Subaru:** 2003 - 06 Baja
 2000 - 09 Legacy
 2000 - 09 Outback

Patent No. US 8,746,714

- 79440 - Punch Tool, pg 168**

SUBARU ADJUSTABLE CAMBER ARM

67665

Replace the factory non-adjustable rear lower control arm with this adjustable arm to dial in $\pm 2.0^\circ$ of rear camber on many early 2000's Subarus. This remove and replace arm has bonded rubber bushings to match chassis design parameters and includes the ride height sensor bracket that is needed on some applications. Because of the constraining 5-link suspension design, you will need to slot the frame bracket on the upper control arm to allow the knuckle to pivot for camber change. SPC recommends punch #79440 to make the job quick and easy.



Rear Adjustment range:
67667 Toe $\pm 1.50^\circ$
Installation Time: .5 hr/axle
Required: 1 per wheel

67668 Toe $\pm 1.50^\circ$
Includes Repl. Rubber Bushing

Installation Time: .7 hr/wheel
Required: 1 per wheel

APPLICATIONS

- Subaru:** 2003 - 06 Baja
 2000 - 09 Legacy
 2000 - 09 Outback
 2006 - 10 Tribeca

SUBARU ADJUSTABLE REAR TOE KIT

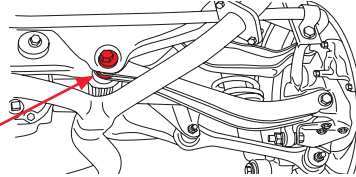
67667 67668



67668
Inc. Repl. Bushing

Need to replace corroded or damaged OE toe cam bolts on the rear of the 2000 to 2009 Subaru Legacy, Outback and many more? SPC gives you options. 67667 is a replacement cam kit. 67668 includes a replacement bushing. Get up to $\pm 1.5^\circ$ of toe change and then lock it in place with these economical options. One kit is required per side or two for the entire vehicle.

67668 Replacement Bushing Location



Rear Adjustment range:
Camber $\pm 2.00^\circ$
Installation time: .7 hr/side
Required: 1 per wheel

APPLICATIONS

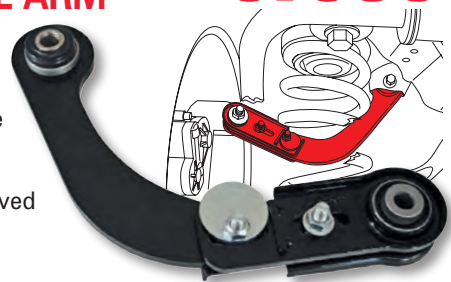
- Ford:** 2013 & Up Fusion
Lincoln: 2013 & Up MKZ

Patent No. US 8,746,714

FUSION ADJUSTABLE REAR CONTROL ARM

67680

Add $\pm 2.0^\circ$ of camber adjustment to the rear suspension of your '13+ Ford Fusion or Lincoln MKZ with these fully adjustable rear control arms. The arm includes SPC's xAxis™ Sealed Flex joint for improved durability and minimized deflection providing improved handling performance.

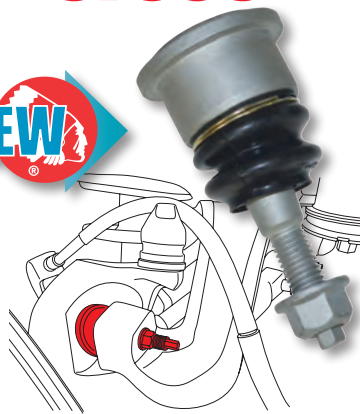


Parts

67690

FORD REAR CAMBER BALL JOINT

Use this adjustable ball joint to get $\pm 1.25^\circ$ camber change on Ford's D3 Platform AWD vehicles like the Five Hundred, Taurus, Sable, Freestyle, and Taurus X from 2005 - 2009. Many of these vehicles develop negative camber in the rear, but there is no factory correction. To get change, you will need to press the OE ball joint out of the knuckle and replace it with this adjustable offset stud design from SPC. Once loosely reassembled, you will be able to easily turn the 8mm hex on the stud and watch camber change. Torque down the nut and your adjustment is locked in. SPC recommends a shop press to press out the OE ball joint and press in the adjustable ball joint.



Rear Adjustment range:
Camber ± 1.25

Installation Time: 1.2 hr/side

Required: 1 per wheel

APPLICATIONS AWD ONLY

Ford: 2005 - 07 Five Hundred
2005 - 07 Freestyle
2008 - 09 Taurus
2008 - 09 Taurus X

Mercury: 2005 - 07 Montego
2008 - 09 Sable

For OE ball joint without any camber change, see part no. 12710, page 147.

67720

NISSAN 240SX FRONT CASTER ROD (PR)

These replacement front adjustable strut rods are easily adjustable and give these popular tuner vehicles the ability to change caster by 3° . A stiffer rubber bushing material provides better handling in performance applications.



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

Installation Time: .3 hr/side

Required: 1 per axle

APPLICATIONS

Nissan: 1989 - 98 240SX

67740

NISSAN 240SX TOE LINK

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.



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 setback. Stiffer rubber bushing material is used for better handling in performance applications.



67775 - Left
67776 - Right



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

Installation time: 1.0 hr/side

Required: 1 per wheel

APPLICATIONS

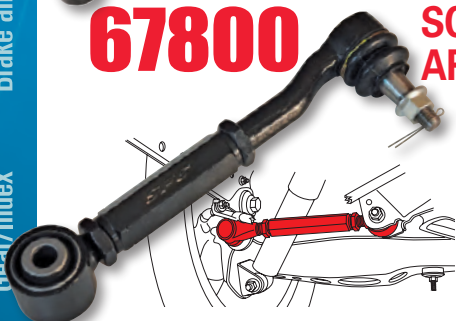
67765 Left or Right
Nissan: 1989 - 94 240SX
1990-96 300ZX

67775 Left
67776 Right
Nissan:
1995 - 98 240SX

67800

SCION/LEXUS REAR TOE ARM

Extend total toe change on select Scion, Lexus, and Toyota models with SPC's replacement rear toe adjustment arm. Many of these models come with factory adjustment but need more due to factory recalls, lowering, or collision repair. SPC's remove and replace rear link provides $\pm 3.0^\circ$ of toe change.



Rear Adjustment range: Toe $\pm 3.0^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Lexus: 2011 - 17 CT
2010 - 12 HS
Scion: 2016 - 16 iM
2011 - 16 tC
Toyota 2017 & Up Corolla iM

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

Installation time: .3 hr/side

Required: 1 per wheel

APPLICATIONS

67805

Toyota: 2006 - 10 RAV4

67806

Toyota: 2006 & Up RAV4

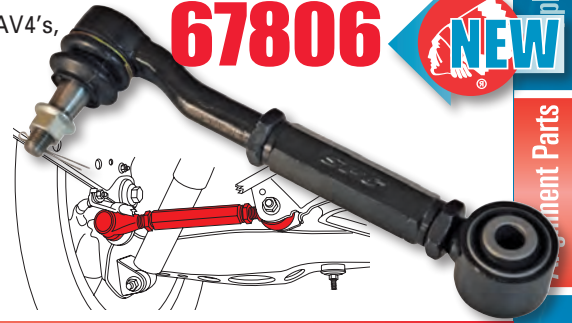
TOYOTA RAV4 REAR ADJUSTABLE TOE ARM

67805

67806



Due to a factory recall for Toyota RAV4's, much of the third generation of this popular platform no longer has provisions for rear toe adjustment. Replace Toyota's non-adjustable rear arm with SPC's adjustable link and get the toe changes needed to avoid premature tire wear. SPC's R&R rear link provides $\pm 3.0^\circ$ of toe change.



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

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

Toyota: 2006 & Up RAV4

Lexus: 2015 & Up NX

Patent No. US 8,746,714

RAV4 ADJUSTABLE CAMBER ARM

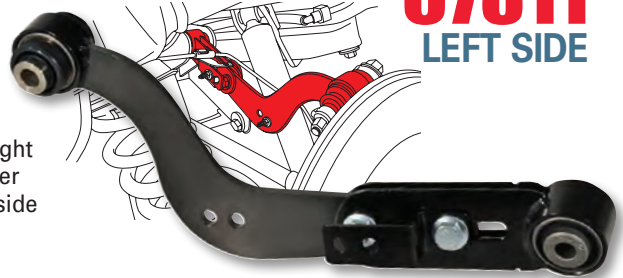
67810

RIGHT SIDE

67811

LEFT SIDE

Adjust rear camber on late model RAV4 and Lexus NX200t with this adjustable rear camber arm. With $\pm 3^\circ$ of adjustment, this arm will get your vehicle back into factory specification to ensure proper tire wear, handling, and ride quality. Use part number 67810 for the right hand side or part number 67811 for the left hand side of the rear suspension.



Rear Adjustment range:

Note: These arms are for appearance and weight saving only. They include a special Socket, Part 69330 (page 164) which is required for installation

Installation time: .3 hr/side

Required: 1 per axle

APPLICATIONS

69300

Acura: 2001 - 05 EL
Honda: 2001 - 05 Civic

69400

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

SPC
PERFORMANCE

HONDA/ACURA REAR CLEARANCE ARMS (PR)

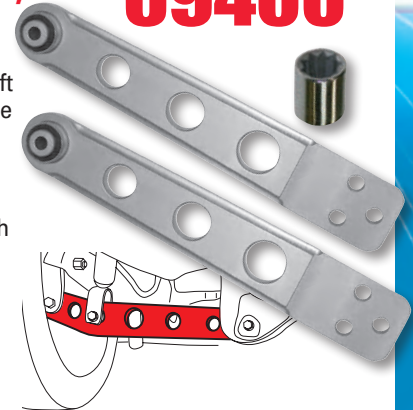
69300

69400

These extreme lower control arms are for Honda Civics and Acura 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 or RSX.

It is recommended that a toe adjuster (below) be used with these arms.



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

Installation time: .5 hr/side

Required: 1 per axle

APPLICATIONS

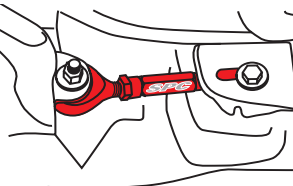
Acura: 1997 - 00 EL
1990 - 01 Integra

Honda: 1992 - 00 Civic
1997 - 01 CR-V
1992 - 97 Del Sol

HONDA/ACURA TOE ADJUSTER (PR)

69450

These great looking kits adjust toe with a polished aluminum red finish. May be used alone, however a toe adjuster should be used with Clearance Arms #69300 and #69400 (above).



SPC
PERFORMANCE

Applications
Replacement Parts
Heavy Duty
OE Replacement
Racing/Builders
Tools
Accessories
Brake and CV
Gear/Index

Parts

71000 SERIES



NOTE:
Do NOT
adjust
Camber or
Toe over
1.0°

FULL CONTACT REAR SHIMS

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 no.

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

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 - 17 Juke
2011 - 17 Leaf

71030 SERIES

71050 SERIES



71030 SERIES

TOE	Change	CAMBER	Change
71031	$\pm 10^\circ$	71041	+ .25°
71032	$\pm 20^\circ$	71042	+ .50°
71033	$\pm 30^\circ$	71045	- .25°
71034	$\pm 40^\circ$	71046	- .50°
71035	$\pm 50^\circ$		

71030 SHIM SET

Includes 18 shims/
2 each of 71031-
71035 and 71041-46



71050 SERIES

TOE	Change	CAMBER	Change
71051	$\pm 10^\circ$	71061	+ .25°
71052	$\pm 20^\circ$	71062	+ .50°
71053	$\pm 30^\circ$	71065	- .25°
71054	$\pm 40^\circ$	71066	- .50°
71055	$\pm 50^\circ$		

71050 SHIM SET

Includes 18 shims/
2 each of 71051-
71055 and 71061-
71066

GM REAR TOE AND CAMBER SHIMS

Make rear wheel alignment changes on these twist beam axles with SPC's stackable fixed change shims. Change camber in $\pm .25^\circ$ increments and toe in $\pm .10^\circ$ increments. Combine a toe shim with a camber shim to get the exact change required. Stack up to two shims for maximum change.

Rear Adjustment range:
Camber $\pm 1.00^\circ$ / Toe $\pm 1.00^\circ$
Installation time: .5 hr/side
Required: 1 or 2 per wheel

APPLICATIONS

71030 Series

Buick: 2012 - 17 Verano
Cadillac: 2014 - 16 ELR
Chevrolet: 2011 & Up Cruze
2011 & Up Volt

71050 Series

Buick FWD: 2013 & Up Encore
Chevrolet FWD: 2012 & Up Sonic
2015 & Up Trax

71070 SERIES



RIO/ACCENT REAR SHIMS

The twist beam axle on the rear of the Kia Rio and Hyundai Accent does not give you any method to adjust toe. Correct toe and thrust angle issues to improve drivability and increase tire life with these full contact shims.

TOE	Part No.	Change
	71071	$\pm 13^\circ$
	71072	$\pm 25^\circ$
	71073	$\pm 38^\circ$ *
	71074	$\pm 50^\circ$ *

71070 SHIM SET

Includes 8
shims / 2 each size

Rear Adjustment range: Toe $\pm .50^\circ$
Installation time: .5 hr/side
Required: 1 or 2 per wheel

APPLICATIONS

Hyundai: 2012 - 17 Accent
Kia: 2012 - 17 Rio

CAUTION: Do NOT stack this shim.
* Includes brake caliper shim

71500 SERIES



NOTE: When installing these shims we recommended that you use our VW Shim Wrench (#87530 pg. 170) to assist in removing the rear hub.

VW/AUDI REAR SHIMS

With these shims you can correct rear camber and toe on newer Volkswagens and Audis. By combining the shims (two may be used on each wheel) you can get $\pm .50^\circ$ to $\pm 1.0^\circ$ 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 sensor 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	+ .50°
	71531	+ 1.00°
	71532	- .50°
	71533	- 1.00°

87530 - Wrench

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 FWD: 2000 - 06 TT
Volkswagen: 1998 - 10 Beetle
1999 - 06 Golf (Except R32)
1999 - 06 GTI
1999 - 05 Jetta (Beam Rear Axle)

CAUTION: Check brake & rotor clearance for binding. 75970 spacers (page 109) maybe required.



Rear Adjustment range:
Camber $\pm 0.25^\circ$ and $\pm 0.50^\circ$
Toe $\pm 0.10^\circ$ to $\pm 0.50^\circ$
Installation time: .5 hr/side
Required: 1 or 2 shims per wheel

APPLICATIONS

Toyota AWD/FWD:
2011 & Up Sienna

71600

SHIM SET - Includes 14 shims/2 of each size.

TOYOTA SIENNA REAR CAMBER AND TOE SHIMS

These full contact shims correct camber and/or toe on both AWD and FWD Toyota Siennas. Combination adjustments, or changes up to 1° may be made by stacking up to 2 shims per side.

TOE	
Part No.	Change
71621	$\pm 0.10^\circ$
71622	$\pm 0.20^\circ$
71623	$\pm 0.30^\circ$
71624	$\pm 0.40^\circ$
71625	$\pm 0.50^\circ$

CAMBER	
Part No.	Change
71631	$\pm 0.25^\circ$
71632	$\pm 0.50^\circ$

71600
SERIES



Rear Adjustment range:
Camber $\pm 1.00^\circ$ /Toe $\pm 0.10^\circ$ to $\pm 0.80^\circ$
Installation time: .5 hr/side
Required: 1 shim per wheel/
per angle changed

APPLICATIONS

Chrysler 1996 - 16 Town & Country
2000 - 03 Voyager
Dodge 1996 - 07 Caravan
FWD: 1996 & Up Grand Caravan
Ram 2012 - 15 Tradesman
FWD: Conversion Van
Nissan: 2007 - 12 Sentra
Plymouth 1996 - 01 Voyager
FWD:
Volkswagen 2009 - 14 Routan
FWD:

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	$\pm 0.10^\circ$ [.05" (1/16")]
71721	$\pm 0.20^\circ$ [.10" (1/8")]
71722	$\pm 0.30^\circ$ [.15" (5/32")]



CAMBER	
Part No.	Degree of Change
71723	$\pm 0.40^\circ$ [.20" (3/16")]
71724	$\pm 0.50^\circ$ [.25" (1/4")]
71725	$\pm 0.80^\circ$ [.40" (3/8")]

71700
SERIES



CAMBER	
Part No.	Degree of Change
71730	$\pm 0.25^\circ$ (1/4")
71731	$\pm 0.50^\circ$ (1/2")
71732	$\pm 0.75^\circ$ (3/4")
71733	$\pm 0.00^\circ$ (1")

Rear Adjustment range:
Camber $\pm 0.25^\circ$, $\pm 0.50^\circ$, $\pm 1.00^\circ$
Toe ± 0.10 to $\pm 0.50^\circ$
Installation time: .5 hr/side
Required: 1 or 2 shims per wheel

APPLICATIONS

Chrysler: 2001 - 10 PT Cruiser

PT CRUISER REAR CAMBER AND TOE SHIMS

This easy to install full contact shim is perfect for PT Cruisers needing rear camber or toe adjustment. SPC's fixed change shims will provide $\pm 0.10^\circ$ to $\pm 0.50^\circ$ of toe change and $\pm 0.25^\circ$ to $\pm 1.00^\circ$ camber change and can be stacked up to two shims.

71740 SHIM SET - Includes 22shims/2 of each size

TOE		Degree of Change	
Part No.	Degree of Change	Part No.	Degree of Change
71741	$\pm 0.10^\circ$	71744	$\pm 0.40^\circ$
71742	$\pm 0.20^\circ$	71745	$\pm 0.50^\circ$
71743	$\pm 0.30^\circ$		

CAMBER		Degree of Change	
Part No.	Degree of Change	Part No.	Degree of Change
71751	+0.25°	71755	-0.25°
71752	+0.50°	71756	-0.50°
71754	+1.00°	71758	-1.00°

71740
SERIES



Rear Adjustment range:
Camber +0.50°, +0.75°, +1.00°
Installation time: .5 hr/side
Required: 1 or 2 shims per wheel

APPLICATIONS

Ford FWD: 2005 - 07 Five Hundred
2005 - 07 Freestyle
2008 - 09 Taurus
2008 - 09 TaurusX
Mercury 2005 - 07 Montego
FWD: 2008 - 09 Sable FWD

FORD REAR CAMBER SHIM TAURUS/FREESTYLE

This full contact rear shim adds positive 0.5°, .75°, or 1.0°, camber to minimize camber related tire wear for 08-09 Ford Taurus and 05-07 Ford Freestyle FWD. Brake caliper shim included for correct hub to caliper alignment.

CAMBER	
Part No.	Change
71762	+0.50°
71763	+0.75°
71764	+1.00°

71760 SHIM SET - Includes 6 shims/2 of each size.

71760
SERIES



Missing our Full Contact Nylon Shims? You can use our EZ Shims for all of our discontinued Shim applications, see page 109.



Parts

71770 SERIES

71780 SERIES

FIAT REAR CAMBER AND TOE SHIMS

Bring toe and camber back to factory specification on the rear of the Fiat 500 with these fixed change shims from SPC. The 26 piece set includes two each of the toe shims that will adjust from -0.5° to $+0.5^\circ$ in $1/8^\circ$ increments and camber shims that will adjust from $\pm 0.25^\circ$ to $\pm 1.0^\circ$ in $1/4^\circ$ increments. Combine up to two shims to dial in both toe and camber. Shims are also available individually. Fix tire wear issues and return proper handling.

Note: You will need inverted (female) torx socket E20 to remove the hub.

Rear Adjustment range:
Camber $\pm 0.25^\circ$, $\pm 0.50^\circ$, $\pm 0.75^\circ$, $\pm 1.00^\circ$
Toe ± 0.13 to $\pm 0.50^\circ$ ($1/8^\circ$ increments)

Installation time: .5 hr/side

Required: 1 shim per wheel/
per angle changed

APPLICATIONS

Fiat: 2012 & Up 500

71770

SHIM SET - Includes
26 shims/2 each of
the toe and camber
shims.



Camber Shim

Toe Shim

TOE Part No.	Degree of Change	Part No.	Degree of Change	CAMBER Part No.	Degree of Change
71771	+0.13°	71776	-0.13°	71781	$\pm 0.25^\circ$
71772	+0.25°	71777	-0.25°	71782	$\pm 0.50^\circ$
71773	+0.38°	71778	-0.38°	71783	$\pm 0.75^\circ$
71774	+0.50°	71779	-0.50°	71784	$\pm 1.00^\circ$

71790 SERIES

HONDA REAR CAMBER AND TOE SHIMS

Bring toe and camber back to factory specification on the rear of the Honda Fit and HR-V with these fixed change shims from SPC. This 18 piece kit includes two each of the toe shims that will adjust from $\pm 0.1^\circ$ to $\pm 0.5^\circ$ in $1/10^\circ$ increments and camber shims that will adjust from $\pm 0.25^\circ$ to $\pm 1.0^\circ$ in $1/4^\circ$ increments. Combine up to two shims to dial in both toe and camber. Fix tire wear issues and return proper handling.

Rear Adjustment range:
Camber $\pm 0.25^\circ$, $\pm 0.50^\circ$, $\pm 0.75^\circ$, $\pm 1.00^\circ$
Toe ± 0.10 to $\pm 0.50^\circ$ (0.10° increments)

Installation time: .5 hr/side

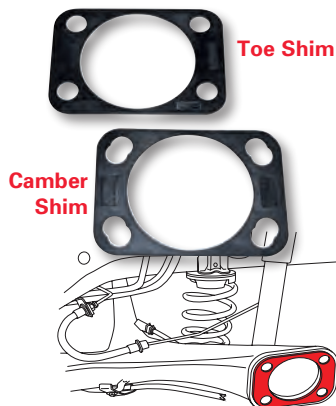
Required: 1 shim per wheel/
per angle changed

APPLICATIONS

Honda: 2015 & Up Fit

71790

SHIM SET Includes 18 shims/2 each
of the toe and camber
shims.



Toe Shim

Camber Shim

TOE Part No.	Change	CAMBER Part No.	Change
71791	$\pm 0.10^\circ$	71796	$\pm 0.25^\circ$
71792	$\pm 0.20^\circ$	71797	$\pm 0.50^\circ$
71793	$\pm 0.30^\circ$	71798	$\pm 0.75^\circ$
71794	$\pm 0.40^\circ$	71799	$\pm 1.00^\circ$
71795	$\pm 0.50^\circ$		

71930 SERIES

HYUNDAI CAMBER SHIM

Adjust front camber on the Hyundai Genesis Sedan with these aluminum full contact shims from SPC. Whether you want negative camber for the track or positive change to reduce tire wear, these easy to install aluminum shims will get the job done.

Front Adjustment range:
Camber $\pm 0.50^\circ$, $\pm 0.75^\circ$, $\pm 1.0^\circ$, $\pm 1.25^\circ$

Installation time: .5 hr/side

Required: 1 shim per wheel

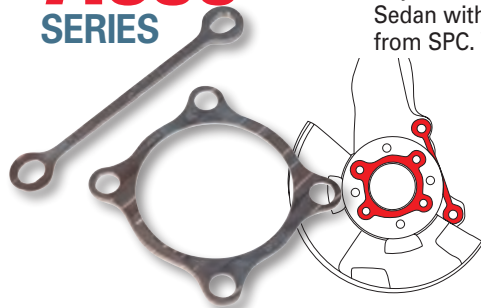
APPLICATIONS

Hyundai: 2009 - 14 Genesis Sedan
2011 - 13 Equus

Kia: 2015 K900

71930

SHIM SET Includes 8 shims/2 of each size.



CAMBER Part No.	Change
71932	$\pm 0.50^\circ$
71933	$\pm 0.75^\circ$
71934	$\pm 1.00^\circ$
71935	$\pm 1.25^\circ$

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

Installation time: 1.0 hr/side

Required: 1 per axle

APPLICATIONS

Ford: 2005 - 10 Mustang

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

SPC PERFORMANCE

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

MUSTANG FRONT CAMBER/CASTER STRUT MOUNT (PR)

72040

Get 4° of camber and caster change on the 2005 to 2010 Ford Mustang with this pair of adjustable upper strut mounts. By mounting the OE strut bearing and spring seat on SPC's adjustable plate you get the change you need without affecting ride height. Whether you need to get your alignment angles back in specification for drivability and tire wear after ride height modifications or are getting ready for the track, this is the kit for you. Need more change? Check out p/n 72350 (pg 105).



Rear Adjustment range:
Tracking $\pm 1.5"$

Installation time: 0.5 hr/side

Required: 1 per axle

APPLICATIONS

Ford:
2005 - 14 Mustang

SPC PERFORMANCE

MUSTANG ADJUSTABLE PANHARD BAR

72045

SPC aluminum panhard bars provide weight savings and adjustability! Manufactured from aircraft grade aluminum, precision machined, and then black e-coated, the SPC panhard bar is the lightest durable unit on the market. High durometer, same sized, vulcanized rubber bushings promote precise handling while maintaining factory noise levels and damping qualities. Adjust your Mustang SPC panhard bar on the car to optimize lateral stability and tracking.

Complete your suspension tuning project plus get additional pinion and thrust angle adjustments by using SPC's adjustable trailing arms #72345 (page 105)



Rear Adjustment range:
Camber $\pm 3.00^\circ$ Toe $\pm 2.00^\circ$

Installation time: .7 hr/side

Required: 1 per wheel

APPLICATIONS

Infiniti: 2003 - 07 G35 Coupe
w/o rear active steer
2003 - 06 G35 Sedan

Nissan: 2003 - 08 350Z
2002 - 06 Altima
2004 - 14 Maxima

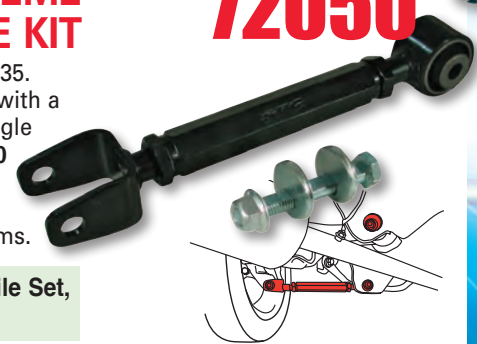


NISSAN/INFINITI EXTREME REAR CAMBER/TOE KIT

72050

This is the perfect kit for 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 part #72052 (below) for hi-performance arms.

85130 - Rotary File Set, pg 169



Rear Adjustment range:
Camber $\pm 3.00^\circ$ Toe $\pm 2.00^\circ$

Installation time: .7 hr/side

Required: 1 per axle

APPLICATIONS

Infiniti: 2003 - 07 G35 Coupe
w/o rear active steer
2003 - 06 G35 Sedan

Nissan: 2003 - 08 350Z
2002 - 06 Altima
2004 - 14 Maxima



85130 - Rotary File Set, pg 169

See page 103 and 104 for additional rear arms for Nissans and Infinitis

NISSAN/INFINITI PERFORMANCE REAR CAMBER/TOE KIT AND LOCKING PLATES (PR)

72052

Dial in $\pm 3.0^\circ$ camber and $\pm 2.0^\circ$ of toe to maximize your suspension set-up on the 350Z and G35 with this set of race ready adjustable rear lower control arms (RLCA), camber lockout plates, and extended range toe cams from SPC. Specifically designed for track use, these arms include SPC's xAxis™ sealed flex joints that perform like monoballs, but with non-metal bushings which will last longer than OE bushings. These arms combine xAxis with forged steel receivers and straight-arm construction to minimize compliance under load. Included lockout plates will replace the OE camber cams to give you that extra assurance that your camber is locked in.



SPC PERFORMANCE

Applications
Alignment Parts
Heavy Duty
OE Replacement
Racing/Build
Tools
Accessories
Brake and CV
Gear/Index

Parts

72055

NISSAN/INFINITI REAR CAMBER/TOE KIT (PR)

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



 **85130 - Rotary File Set, pg 169**

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

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

Infiniti: 2003 - 07 G35 Coupe
w/o rear active steer
2003 - 06 G35 Sedan
Nissan: 2003 - 08 350Z
2007 - 13 Altima Coupe
2002 - 12 Altima Sedan
2004 - 14 Maxima

72060

MUSTANG FRONT CAMBER/CASTER STRUT MOUNT (PR)

This pair of 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. Complete with special strut boots and bump stops.



See page 149 for SPC's replacement Cobra IRS xAxis™ rear knuckle kits

Front Adjustment range:

Camber -0.50° to $+1.50^\circ$

Caster 0.0° to $+1.50^\circ$

Installation time: 1.0 hr/side

Required: 1 per axle

APPLICATIONS

Ford: 1994 - 04 Mustang

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

72065

BMW FRONT ADJUSTABLE UPPER STRUT MOUNTS (PR)

Engineered utilizing a unique, multi-adjustable design, this strut mount pair fits 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 & racing applications.



See page 102 for additional adjustable front strut mounts for RWD 1 & 3 Series and more

Front Adjustment range:

Camber -1.00° to $+3.00^\circ$ Caster $\pm 0.50^\circ$

Installation time: 1.2 hr/side Req.: 1 per axle

APPLICATIONS

72065 BMW RWD: 1984 - 91 3 Series (E30)

72070 BMW 2008 - 13 1 Series (E81, E82, E87, E88)

AWD: 2007 - 13 3 Series (E92, E93)

2006 - 12 3 Series Sedan/Wagon (E90, E91)

BMW 1992 - 99 3 Series 318, 325, 328, M3 (E36)

RWD: 1996 - 02 Z3 Coupe/Rdstr - Incl. M3 (E36)

72080 BMW 2000 - 04 3 Series Coupe/Conv. (E46)

RWD/AWD: 1999 - 03 3 Series Sedan/Wagon (E46)

BMW 1996 - 03 5 Series 525i, 528i w/o EDC,

RWD: 528iT, 530i (E39)

72090 BMW 2004 - 05 3 Series Sedan/Wagon (E46)

RWD/AWD: 2005 - 06 3 Series Coupe/Conv. (E46)

BMW 2003 - 08 3 Series Z4 - Except M3 (E85)

RWD: 1992 - 99 3 Series 318Ti (E30)

Not recommended for aftermarket coil-over equipped vehicles.



72095 - pg 165 - Use this tool for struts with adj. damping

72110

BMW REAR LOWER CONTROL ARM (PR)

These billet aluminum arms fit the 3-Series (E36/E46) along with the Z4 (E85), 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 finish with SPC "Red" nuts. Our standard EZ Arm (#67110) for BMWs is shown on page 82.



87565 - Rear Toe Adjusting Tool, pg 170

Rear Adjustment range:

Camber -1.00° to $+3.00^\circ$

Installation time: 1.3 hr/side

Required: 1 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 and M3 (E36)

2003 - 08 3 Series Z4 (E85)

Rear Adjustment range:
Camber -1.00° to $+3.00^{\circ}$

Installation time: .7 hr/side

- Required: **72115** 1 per axle
72116 1 per wheel
 Right Side
72117 1 per wheel
 Left Side

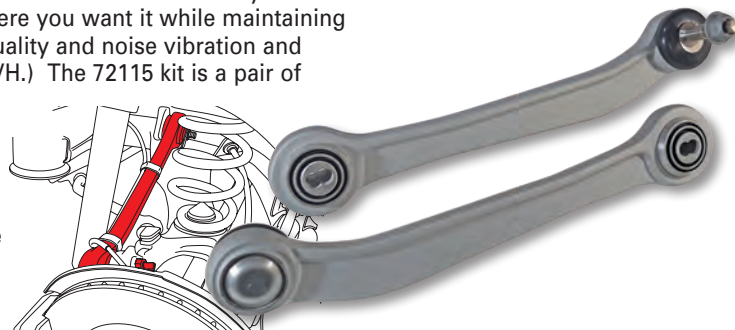
APPLICATIONS

BMW: 2007 & Up X5
 2008 & Up X6

For OE replacement arms without any camber change, see part nos. 12116 and 12117, page 147.

BMW REAR CAMBER KIT

BMW's X5 is notorious for running negative camber and wearing tires. Use these adjustable rear upper control arms to change camber from -1 to $+3$ degrees. Featuring bonded rubber bushings and booted adjustable ball joints, this pair of forged aluminum arms will let you set camber to where you want it while maintaining factory ride quality and noise vibration and harshness (NVH.) The 72115 kit is a pair of arms, it will give you change on both sides. Use SPC part #72116 for the right side, or part #72117 for the left.



72115
PAIR

72116 RIGHT SIDE
72117 LEFT SIDE

Front Adjustment range:
Camber -1.5° to $+3.5^{\circ}$
Caster $\pm 1.0^{\circ}$

Installation Time: 1.8 hr/side

Required: 1 per axle

APPLICATIONS

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



8370 - Puller,
pg 159

These arms feature our Jounce Spacers for a quieter, OE style ride

SPC
PERFORMANCE PERFORMANCE



350Z & G35 FRONT UPPER CONTROL ARMS (PR)

This popular adjustable upper control arm/shim kit has been designed to match the SPC family of Nissan and Infiniti arms. Our tubular design has reduced weight by 1 pound per arm and increased rigidity. SPC's arms are the only 350Z arms on the market that can get $+3.5^{\circ}$ to -1.5° camber change. Additionally, you will be able to set your caster at $\pm 1^{\circ}$. This patented design makes camber and caster adjustment easy using the sliding and rotating ball joint. The kit includes everything needed, including the ABS sensor bracket, shims, Jounce Spacers and the adjustable arms.

See page 107 for our premium design for these applications

72123



Patent No. US 7,513,514

Front Adjustment range:
Camber $\pm 2.5^{\circ}$ Caster $\pm 1.0^{\circ}$

Installation Time: .6 hr/side

Required: 1 per axle

APPLICATIONS

Infiniti: 2008 - 12 EX35
 2011 - 12 G25 Sedan
 2007 - 08 G35/G35X Sedan
 2009 - 13 G37/G37X Conv., Sedan
 2008 - 13 G37 Coupe
 2006 - 10 M35/M45
 2015 Q40
 2014 & Up Q50, Q60
 2014 - 17 QX50

Nissan: 2009 & Up 370Z



370Z & G37 FRONT UPPER CONTROL ARMS (PR)

This pair of front upper control arms will give you $\pm 1^{\circ}$ caster and $\pm 2.5^{\circ}$ 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.

72130



Patent No. US 7,513,514

These arms feature our Jounce Spacers for a quieter, OE style ride


Parts

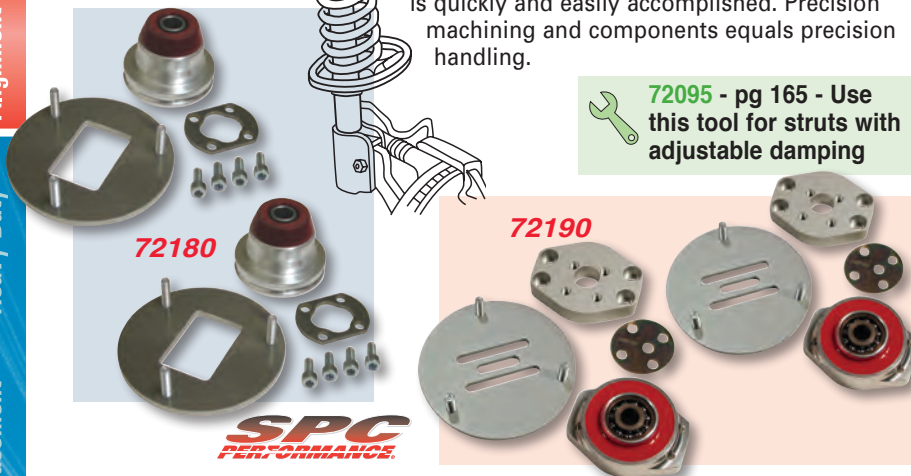
72180 72190



BMW FRONT ADJ. UPPER STRUT MOUNTS (PR)

The 72180 and 72190 BMW fully adjustable upper strut mount pair allows full camber adjustments from -1° to $+3^{\circ}$ and caster adjustments from $\pm 5^{\circ}$. Full adjustment for daily drivers to high performance racing angles is quickly and easily accomplished. Precision machining and components equals precision handling.

 **72095** - pg 165 - Use this tool for struts with adjustable damping



Front Adjustment range:
Camber -1.00° to $+3.00^{\circ}$
Caster $\pm 50^{\circ}$

Installation time: 1.2 hr/side
Required 1 per axle

APPLICATIONS

72180 BMW RWD:

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

72190 BMW RWD:

2008 - 13 1 Series
(E81, E82, E87, E88)
2007 - 13 3 Series Coupe/Conv.
(E92, E93)
2006 - 12 3 Series Sedan/Wagon
(E90, E91)

See page 100 for additional adjustable front strut mounts for AWD 1 & 3 Series and more



72185

BMW 5/6 SERIES ADJ. REAR BUSHINGS (PR)

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.

 **72509** - Ball Joint Press, pg 165



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

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

APPLICATIONS

BMW RWD: 1996 - 04 5 Series
528 w/EDC, 540i, 540iT, M5 (E39)
1996 - 03 5 Series
525i, 528 w/o EDC, 528iT, 530i,
(E39)
2004 - 10 6 Series
Incl. M6 (E63)



Stillen Q60 - SEMA Feature Car

SEMA is THE car event that companies, builders and enthusiasts plan for all year. At SPC we get to feature a special car in our booth each year and in 2017 we chose this great looking Infiniti Q60 build from Stillen.

This chrome red star had a laundry list of upgrades, from tuned ceramic wool mufflers to a custom wing. To make sure that the alignment was correct after the coil over installation and subsequent ride height lowering, SPC suspension provided a complete set of adjustable suspension parts including front upper control arms (part no. 73000, page 107) and rear camber, toe and setback links (part no. 72240, next page). By installing the adjustable SPC suspension the Stillen technicians were able to precisely dial in the alignment ensuring excellent handling characteristics.



Rear Adjustment Range:
72240 (3 ARM SET)
 Camber: $\pm 3.0^\circ$ / Toe: $\pm 3.0^\circ$
 Setback: $\pm 1.0^\circ$

72245 Camber: $\pm 3.0^\circ$
72250* Setback: $\pm 1.0^\circ$
72255* Toe: $\pm 3.0^\circ$
 * **72250 and 72255 MUST be used with arm 72245**

Installation time:
72240 - .8 hr/side
72245 - .3 hr/side
72250 - .3 hr/side
72255 - .3 hr/side

Required: 1 per wheel

APPLICATIONS

Infiniti: 2014 - Up Q50, Q60, Q70
 2011 - 2013 M35h,
 M37, M56

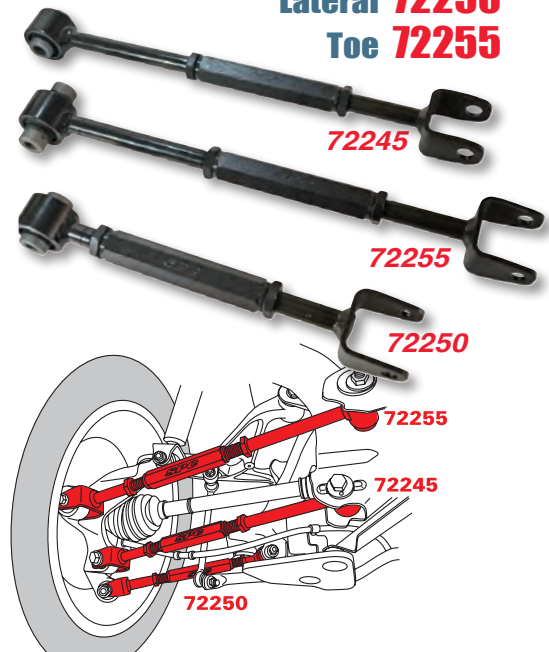
See the web for in-depth information on this kit and how it will work in the Infiniti multi-link suspension.

INFINITI REAR ADJUSTABLE 3 ARM SET

Use this three arm set (3) to make the rear of your Infiniti Q50 or Q70 fully adjustable for camber, toe and wheel setback. Whether you are modifying for stance, want adjustability for the track or simply need to replace an OE arm, this is the kit for you. The camber link provides $\pm 3^\circ$ camber, the toe link will give $\pm 3^\circ$ beyond the OE cam and the adjustable trailing link makes $\pm 1"$ setback adjustment possible so you can maintain factory wheel base or get the tire exactly where you want it in the wheel well. These links all feature high durometer bonded rubber bushings to maintain factory ride quality and all steel construction for strength when you need it.

Attention: the sequence of arm adjustments made is extremely important when upgrading to this multi-link system.

72240
Camber 72245
Lateral 72250
Toe 72255



72245 - REAR CAMBER ARM

Use this adjustable control arm from SPC Performance to make the rear of your Infiniti Q50 or Q70 fully adjustable for camber. The remove and replace link will provide $\pm 3^\circ$ of camber and is part of the 72240 set. Attention: toe and set-back will change as you adjust camber with this arm, you may run out of toe change on the factory cam and desire to correct for set-back. Consider toe link p/n 72255, adjustable trailing link p/n 72250 or the three arm set p/n 72240.

72250 - REAR LATERAL ARM

Use this adjustable trailing link from SPC Performance to make the rear of your Infiniti Q50 or Q70 fully adjustable for set-back / wheel base. The remove and replace link will provide $\pm 1"$ movement to adjust for other suspension modifications and is part of the 72240 set.

72255 - REAR TOE ARM

Use this adjustable control arm from SPC Performance to give the rear of your Infiniti Q50 or Q70 extended toe adjustability. The remove and replace link will provide an additional $\pm 3^\circ$ of toe beyond what the OE cam bolt offers and is part of the 72240 set. This will often be necessary to adjust for camber adjustments made with an adjustable upper link like p/n 77245.

Rear Adjustment range:
 Camber $\pm 3.00^\circ$ Toe $\pm 2.00^\circ$
 Installation time: .7 hr/side
 Required: 1 per wheel

APPLICATIONS

Infiniti: 2009 - 13 FX35
 2011 - 12 G25
 2006 - 07 G35 Coupe w/rear active steer
 2007 - 08 G35/35x Sedan Incl. active steer
 2008 - 13 G37 Coupe
 2009 - 13 G37 Sedan
 2006 - 10 M35/45; 2015 Q40
 2014 - 17 QX50/QX70
Nissan: 2009 & Up 370 Z



85130 - Rotary File Set, pg 169

NISSAN/INFINITI EXTREME REAR CAMBER/TOE KIT

72260

This is the perfect kit for lowered Zs or G35 and G37 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 99 and 104 for additional rear arms for Nissans and Infinitis

Parts

72262

NISSAN/INFINITI PERFORMANCE REAR CAMBER/TOE KIT AND LOCKING PLATES (PR)



Dial in $\pm 3.0^\circ$ camber and $\pm 2.0^\circ$ of toe to maximize your suspension set-up on the 370Z and G35/37 with this set of race ready adjustable rear lower control arms (RLCA), camber lockout plates, and extended range toe cams from SPC. Specifically designed for track use, these arms include SPC's xAxis™ sealed flex joints that perform like monoballs, but with non-metal bushings which will last longer than OE bushings. These arms combine xAxis with forged steel receivers and straight-arm construction to minimize compliance under load. Included lockout plates will replace the OE camber cams to give you that extra assurance that your camber is locked in.

SPC
PERFORMANCE

Rear Adjustment range:
Camber $\pm 3.00^\circ$ Toe $\pm 2.00^\circ$
Installation time: .7 hr/side
Required: 1 per axle

APPLICATIONS

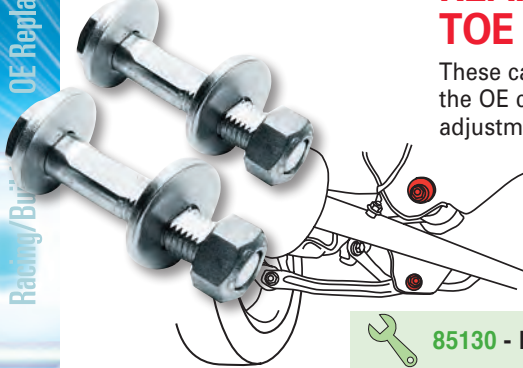
Infiniti: 2009 - 13 FX35
2011 - 12 G25
2006 - 07 G35 Coupe
w/rear active steer
2007 - 08 G35/35x
Sedan Incl. active steer
2008 - 13 G37 Coupe
2009 - 13 G37 Sedan
2006 - 10 M35/45
2015 Q40
2014 - 17 QX50/QX70
Nissan: 2009 & Up 370 Z



**85130 - Rotary File Set,
pg 169**

72265

NISSAN/INFINITI REAR CAMBER/ TOE KIT (PR)



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



85130 - Rotary File Set, pg 169

Rear Adjustment range:
Camber $\pm 2.00^\circ$ Toe $\pm 2.00^\circ$
Installation time: .6 hr/side
Required: 1 per wheel

APPLICATIONS

Infiniti: 2009 - 13 FX35; 2003 - 08 FX35/45
2011 - 12 G25
2006 - 07 G35 Coupe w/rear active steer
2007 - 08 G35/35x Sedan Incl. active steer
2008 - 13 G37 Coupe incl. active steer
2009 - 13 G37 Sedan; 2006 - 10 M35/45
2015 - 15 Q40, 2014 & Up Q60
2014 - 15 Q60 Coupe; 2014 - 17 QX50/70
Nissan: 2009 & Up 370 Z

72270

LEXUS GS ADJUSTABLE FRONT ARMS (PR)



Patent No. US 7,513,514 B

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.

Front Adjustment range:
Camber $\pm 2.0^\circ$ Caster $\pm 1.0^\circ$
Installation Time: .6 hr/side
Required: 1 per axle

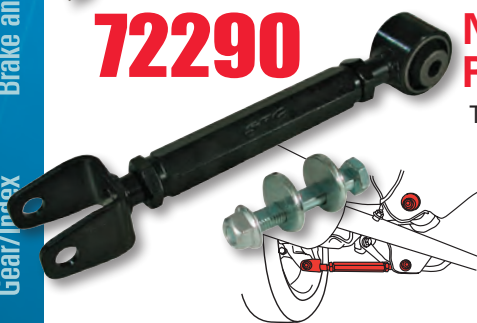
APPLICATIONS

Lexus: 1993 - 05 GS
2002 - 10 SC

SPC
PERFORMANCE

72290

NISSAN ALTIMA ADJ. REAR CONTROL ARM



These arms fit the popular Nissan Altima. Simply replace the OE fixed length lower rear control arm with this adjustable arm to achieve $\pm 3^\circ$ of camber change. Use the included toe cam bolt to get up to $\pm 2^\circ$ of toe change. The arm and cam kit can be used for vehicles with stock ride height or lowered for performance.

Rear Adjustment range:
Camber $\pm 3.0^\circ$ Toe $\pm 2.0^\circ$
Installation Time: .6 hr/side
Required: 1 per wheel

APPLICATIONS

Nissan: 2007 - 13 Altima Coupe
2007 - 12 Altima Sedan

Rear Adjustment range:
Camber $\pm 2.5^\circ$

Installation Time: .5 hr/side

Required: 1 per wheel

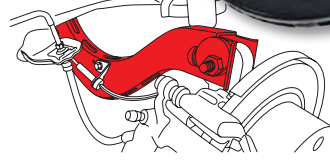
APPLICATIONS

Nissan: 2013 Altima Sedan
2014 & Up Altima
2016 & Up Maxima

NISSAN ALTIMA ADJ. REAR CAMBER ARM

72295

Replace the non-adjustable rear upper control arm on the Nissan Altima with SPC's fully adjustable arm to get $\pm 2.5^\circ$ of camber change. This remove and replace arm is perfect for traditional alignment correction, to enhance handling, or as a direct replacement chassis part.



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

Installation Time: .6 hr/axle

Required: 1 per axle

APPLICATIONS

Ford: 2005 - 14
Mustang



MUSTANG REAR ADJUSTABLE TRAILING ARMS (PR)

72345

These adjustable rear trailing arms for 2005 - 14 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 e-coat finish.



Check out SPC's adjustable panhard bar #72045 and adjustable front strut mounts #72040 on page 99.

Front Adjustment range:
72350 Camber $\pm 1.5^\circ$
Caster $\pm .5^\circ$

Installation Time: 1.0 hr/axle

Required: 1 per axle

72355 Caster $\pm .5^\circ$

Installation Time: .4 hr/wheel

Required: 1 per wheel

APPLICATIONS

Ford: 2005 - 14 Mustang



85130 - Rotary File Set,
pg 169

MUSTANG FRONT ALIGNMENT KITS

72350 72355

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 smaller cam.



US Patent
Nos.
8,544,861
8,469,375
D783,393

#72355 Includes only
One Caster Cam

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

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

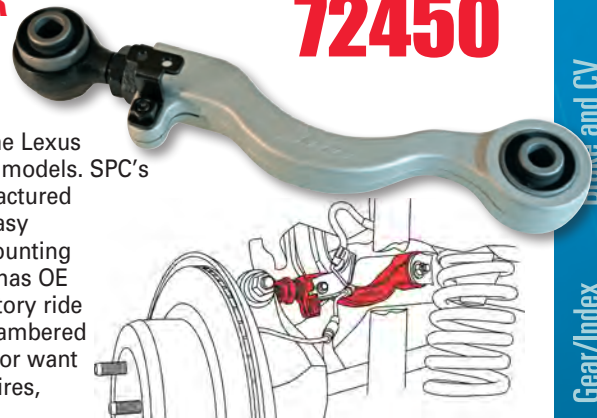
Lexus: 2014 & Up IS
Except Convertible
2013 & Up GS
2015 & Up RC



LEXUS REAR CAMBER LINK

72450

Use this adjustable rear upper control arm to replace the OE arm and get $\pm 3^\circ$ of camber on the Lexus IS250, IS350, GS350, and RC350 models. SPC's adjustable camber link is manufactured from high-grade aluminum, is easy to adjust on car, includes a mounting bracket for the ABS wire, and has OE style bushings to maintain factory ride quality. Whether you want a cambered look, are heading to the track, or want to save the tread life on your tires, these arms are for you.



Parts

72610

PORSCHE FRONT OR REAR ADJUSTABLE ARMS (PR)

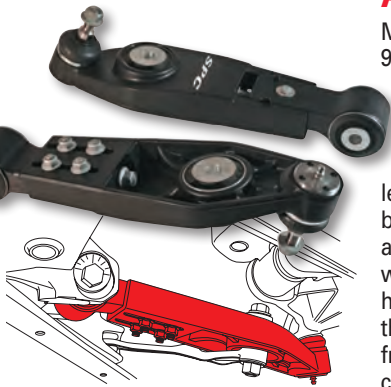
Make the non-adjustable lower control arms on your 996 or 997 Porsche adjustable for up to $\pm 2^\circ$ camber adjustment. This pair of forged 6061-T6 aluminum arms (2) from SPC will give easy on-the-car adjustability as well as get you track ready, while maintaining OE Noise Vibration and Harshness (NVH) levels with booted ball joints and high durometer bonded rubber bushings. SPC offers the only greasable and rebuildable ball joint on the market. If you wear out your ball joint race with heavy track use, (it happens) you can get a rebuild kit (#72613) and avoid the cost of a whole new arm. This set can be used for front or rear, so if you want adjustability on all four corners you will need two sets. **Sold as pairs.**

Features

- Rebuildable ball joint is booted and greasable
- Forged 6061-T6 Aluminum construction for maximized strength at a minimum weight
- OE sized and style bushings can be replaced with any aftermarket or OE bushing option
- Adjusting bolt offers precise camber adjustment
- Provision for the ride height sensor of litronic headlight equipped cars

Benefits

- $\pm 2^\circ$ camber adjustment
- Rebuildable ball joint
- Fast, easy, on-car adjustment



72630

PORSCHE TRAILING LINK (PR)

Use SPC's adjustable trailing link to adjust caster and set-back in the front or set-back in the rear of your 996 or 997. SPC's unique design is easy to adjust and permits you to continue to use the OE brake air deflector in the front. Forged form 6061 T6 aluminum and hard black anodized, this link will stand up to the extremes of the race track without weight penalty. SPC's maintains factory ride and bind free motion by using a cross axis ball joints on the inboard end. **Sold as pairs.**



72640

PORSCHE REAR TOE LINK (PR)

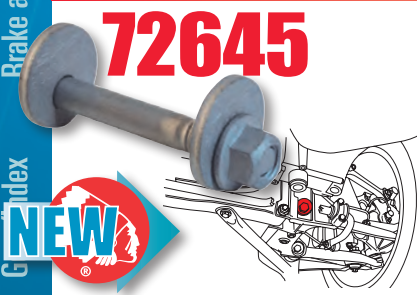
Adjust toe $\pm 3^\circ$ with this pair of adjustable toe links. SPC's forged aluminum construction avoids any weight penalty while maintaining factory strength. The integrated ball joint means smooth bind free articulation and no maintenance required. **Sold as pairs.**



72645

PORSCHE REAR TOE CAM

Replace corroded or damaged OE toe cam bolts on the rear of many late model Porsche vehicles with this replacement cam kit from SPC. This cam kit is designed to replace the factory adjusters and provide the same amount of adjustment as the factory part it is replacing. The hex chrome free finish offers a 700hr salt spray test for the best corrosion protection available. One kit is used for each side of the vehicle.



72610

Front/Rear

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

Installation time:
Front: .6 hr/side
Rear: 1.0 hr/side

Required: 1 per axle

NOTE: MODELS EQUIPPED WITH HYDRAULIC BUSHINGS MUST BE PRESSED OUT AND REUSED FROM THE ORIGINAL CONTROL ARMS

72630

Front/Rear Adjustment range:
Setback $\pm 0.5"$

Installation time: .5 hr/side

Required: 1 per wheel

72640

Rear Adjustment range:
Toe $\pm 4.0^\circ$

Installation time: 5 hr/side

Required: 1 per wheel

72645

Rear Adjustment range:
Factory Toe - $\pm 1.0^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

(See website for details)

Porsche: 1999 - 11 911 (996/997)
1997 - 16 Boxster (987/981/986)
2006 - 16 Cayman (987/981)

72613

Rebuild Kit for 72610

Includes: Ball stud, ball stud nut, race, boot, and press tool.



72120 - Spanner Wrench, pg 165



G35/350Z AND G37/370Z ADJUSTABLE CONTROL ARMS (PR)

This pair of patent pending adjustable front upper control arms will give up to $\pm 4^\circ$ camber and $\pm 4^\circ$ caster change on the 73000 and $\pm 3^\circ$ camber and $\pm 3^\circ$ caster change on the 73005. The rubber isolated xAxis™ sealed flex joints retain OE bushing values (Noise, Vibration, and Harshness - NVH), while providing the handling qualities of a mono-ball. Optimized geometry and high strength forged steel components make this the strongest adjustable arm on the market today. Whether you want a cambered stance, improved handling, or to minimize tire wear, this is the best arm for you.

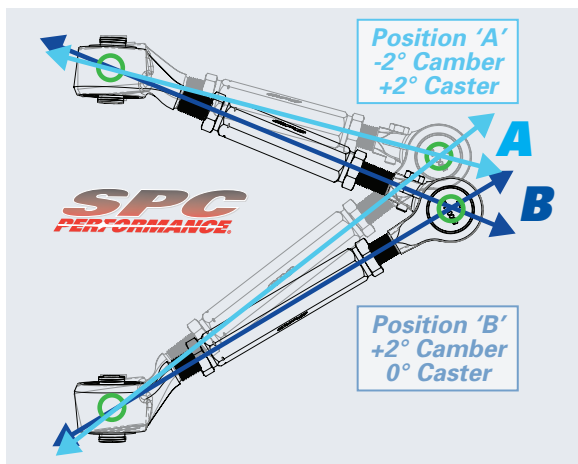
The 73000 SPC arms match the OE design for clearance so you can get up to $+2^\circ$ camber change without fender well interference. If more positive change is needed use the included $+2^\circ$ camber shims for fixed change and dial in the rest with your arms. The 73005 arms provide $\pm 3.0^\circ$ camber and caster change.

Features

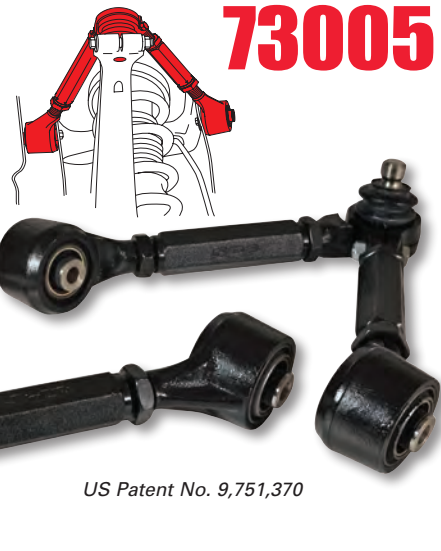
- Most camber and caster adjustability on the market
- Best clearance of any adjustable control arm
- Turnbuckle adjusters for easy on car alignment
- High strength forged steel components
- Optimized geometry reduces stresses to pure tension and compression for maximized strength and minimized weight
- xAxis™ Sealed Flex Joints with rubber isolation at the inner bushing
- Sealed ball joint with high polished ball for extended wear

Benefits

- Set your camber and caster where you want it for
 - **Look** "Cambered" appearance
 - **Driving style** Improved handling and cornering
 - **Tire wear** Adjust angles to minimize tire wear
- Up to $+4^\circ$ of camber change without inner fender well contact
- Easy to adjust
- Sealed joints means no corrosion or contamination in the joints
- Retain factory Noise, Vibration, Harshness (NVH) values but gain handling quality of a mono-ball with xAxis™ sealed flex joint isolated by OE style bonded rubber bushing



US Patent No. 9,751,370



US Patent No. 9,751,370

73000 Front Adjustment range (Includes shim pack):
Camber $\pm 4.00^\circ$ Caster $\pm 4.00^\circ$

Installation Time: 1.8 hr/side Required: 1 per axle

APPLICATIONS

Infiniti: 2003 - 07 G35 Coupe
(with & w/o active steer)
2003 - 06 G35 Sedan

8370 - Puller,
pg 159

Nissan: 2003 - 08 350Z

73005 Front Adjustment range:
Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation Time: 1.8 hr/side Required: 1 per axle

APPLICATIONS

Infiniti: 2008 - 12 EX35; 2009 - 13 FX35;
2011 - 12 G25 Sedan 2007 - 08 G35/G35X Sedan
2009 - 13 G37/G37X Conv., Sedan
2008 - 13 G37 Coupe; 2006 - 10 M35/M45
2015 Q40; 2014 & Up Q50; 2014 - 17 QX 50
2014 & Up Q60

Nissan: 2009 & Up 370Z

Parts

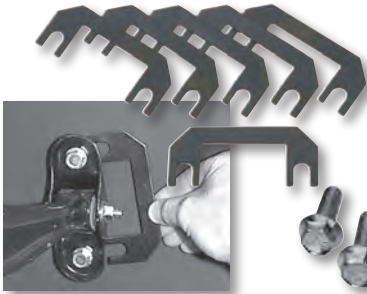
73400 SHIM PACK

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° up to .75°. Each shim changes camber by .25°, the entire pack equals .75° change if all shims are used.

73415 BOLT SET - Set of 4 bolts.

NOTE: Changes in camber greater than .75° require an additional shim kit and the installation of longer bolts. Use these bolts - Specialty Part 73415.



Rear Adjustment range:
Camber +.25° to +.75°

Installation time: .3 hr/side

Required: 1 per axle

APPLICATIONS

Chrysler: 1995 - 00 Sebring

2001 - 06 Sebring 2Dr Coupe

Dodge: 1995 - 00 Avenger

2001 - 05 Stratus

Eagle: 1995 - 98 Talon

Mitsubishi: 1997 - 04 Diamante

1995 - 05 Eclipse, 1994 - 03 Galant

73600 73620

CHRYSLER/MITSUBISHI REAR CAMBER BOLT AND BRACKET (PR)

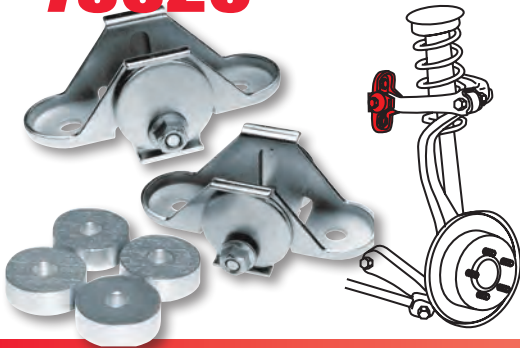
This bolt and bracket set allows for greater rear camber change on 1995 and up Sebrings, Avengers, Talons and Eclipses. One kit covers one side of the vehicle.

PART NO. 73600

(No Spacers)

PART NO. 73620

(With Spacers & Bolts)



Rear Adj. range: Camber

73600 -.75° to +1.50°

73620 -.75° to +3.00°

Installation Time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Chrysler: 1995 - 00 Sebring

2001 - 06 Sebring 2Dr Coupe

Dodge: 1995 - 00 Avenger

2001 - 05 Stratus

Eagle: 1995 - 98 Talon

Mitsubishi: 1997 - 04 Diamante

1995 - 05 Eclipse, 1994 - 03 Galant

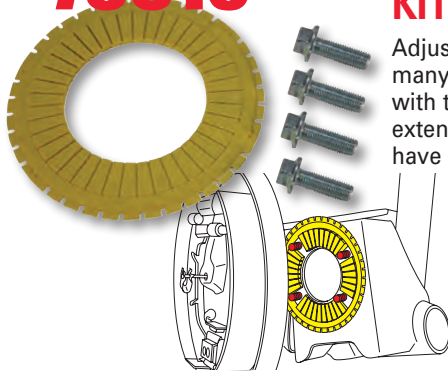
75610

REAR SHIM AND BOLT KIT

Adjust rear camber and toe up to $\pm 1.5^\circ$ on many popular front wheel drive vehicles with this universal shim kit. The kit includes extended length hub bolts so that you will have everything you need to do the job right.

Improve tire wear, gas mileage and handling by getting alignment into specification.

NOTE: Vehicles with rear disc brakes may also need caliper spacer kit # 75970 (next page).



Rear Adjustment range:

Camber $\pm 1.50^\circ$ Toe $\pm 1.50^\circ$

Installation Time: .4 hr/side

Required: 1 per wheel

APPLICATIONS FWD ONLY

Nissan: 2009 - 14 Cube

2013 & Up Sentra

2007 - 2011 Versa

Pontiac: 2003 - 10 Vibe

Toyota: 2003 - 08 Corolla

2003 - 13 Matrix

Resources for Professionals

If you want to stay competitive in today's high-tech automotive aftermarket Specialty Products Company has the comprehensive Alignment Training Program for you.

Get comprehensive training in the changing alignment field on your schedule. Using our online learning program, alignment techs and shop owners can further their knowledge of alignment theory and get the tools to put that knowledge into practical application.



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 7-64 for vehicle models and years.

75200 (Blue)

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

75400 (Grey)

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

75600 (Yellow)

Buick, Cadillac, Chevrolet, Chrysler, Dodge, Geo, Honda, Hyundai, Kia, Nissan, Olds, Pontiac, Scion, Toyota, VW

75800 (Red)

Buick, Cadillac, Chevrolet, Geo, Honda, Hyundai, Kia, Nissan, Olds, Pontiac, VW

Available on a handy board set #88700 - page 65



From Shims to Adjustable Arms

The days of merely shimming a vehicle has given way to complex solutions such as adjustable arms and multilink sets. For over 45 years Specialty Products has been the innovator in modern alignment and continues to lead the industry with the newest in alignment solutions.

EZ Shim™

FULL CONTACT DUAL ANGLE


A 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 adjustment 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 67) and 75970 spacers (below) as required



 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.



75910

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

75915 CUTTER

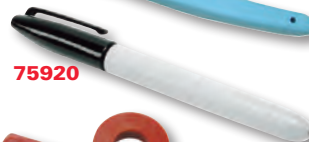
This cutter is a necessary tool for cutting the EZ Shim™ Its thin cutting blades minimize shim breakage.



75915

75920 MARKER

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



75920

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.



75970

By Professionals

Pioneering the alignment business in 1971 Specialty Products has lead the alignment industry for over 45 years. Our staff knows alignment from classic '57 Belair Tri-5s to the newest multi-link arm systems prevelant in many of today's luxury vehicles.

Our training department has over 75 years experience in the alignment industry. From our local on-site training classes to conducting specialized alignment classes around the world from Vietnam to Puerto Rico our trainers keep up-to-date on all the latest advances in the alignment field. They are also available to help with specific alignment problems at our Tech Line - 800-525-6505

When you call into SPC you will talk to our customer service department. Our representatives know alignment and can help installers with everything from getting the correct specs to recommending the perfect part that will solve their alignment issues.



Parts

81240, 81250, 81260, 81270, 81280, 81290, 81295

EZ Cam™ XR

FOR DOMESTIC/IMPORT TWO BOLT STRUTS



EZ Cams™ make non-adjustable two bolt struts adjustable up to $\pm 1.75^\circ$ camber change. Head markings show where the cam is for maximum change and an easy-to-manipulate toothed washer lets you set positive or negative change. Simply remove the upper OE bolt, loosen the lower bolt, install and adjust the EZ Cam to the desired change and then tighten everything to specification. This is an easy fix for camber issues and a perfect companion sale for any strut job. Save time, money and effort by making aligning two bolt struts a one man job without grinding. Keep one of each part number in stock, measure the OE threads, replace the OE bolt with SPC's EZ Cams to make your alignment jobs fast and profitable.

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

Part No. 81295 (pr)
For replacement of 18mm bolts

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

Installation time: .4 hr/side

Required: 1 per axle

APPLICATIONS

See application charts,
pages 7-64 for years.

81240 pr (10mm)

Fiat

81250 pr (12mm)

Buick, Chevrolet, Cadillac, Daewoo, Dodge, Eagle, Fiat, Ford, Geo, GMC, Hyundai, Isuzu, Kia, Mazda, Mercury, Mitsubishi, Nissan, Olds, Plymouth, Pontiac, Porsche, Saab, Saturn, Suzuki, Toyota, Volkswagen, Volvo

81260 pr (14mm)

Acura, Buick, Chevrolet, Chrysler, Dodge, Ford, Honda, Hyundai, Infiniti, Jeep, Kia, Mazda, Mercedes Benz, Mitsubishi, Nissan, Olds, Pontiac, Plymouth, Saturn, Scion, Subaru, Toyota, Volvo

81270 pr (15mm)

Lexus, Scion, Subaru, Toyota

81280 pr (16mm)

Acura, Buick, Cadillac, Chevrolet, Chrysler, Dodge, Eagle, Ford, Honda, Hyundai, Kia, Lincoln, Mazda, Mercury, Mitsubishi, Oldsmobile, Pontiac, Saturn, Toyota

81290 pr (17mm)

Lexus, Pontiac, Scion, Toyota

81295 pr (18mm)

Acura, Honda

Got Aftermarket Struts with a Slotted Hole? We have the answer!

Our 83170 (page 117) fits many aftermarket slotted struts.

It is easy to find out if the 83170 camber kit will fit your aftermarket strut with only two measurements:

- A** = The Cam Diameter The 83170 has a 1.3" Diameter Cam
- B** = The Bolt Size The 83170 has an M14 Bolt

Salt Spray Testing

Competitor's Cam

SPC's EZ Cam™



SPC's Hex Chromate-Free Finish Leads the Industry

For more go online to <http://spclty.co/ezcam>



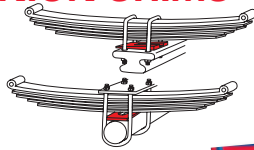
EZ Cam EZ Sizer Magnet #20503 (pg 181)

This magnet sticks on the installer's tool box, out of the way, and is a quick reference tool for measuring the right EZ Cam™ for the job!

Truck Axle Shims

ZINC CASTER/PINION SHIMS

These heavy-duty axle caster shims can also be used to adjust pinion angle on Jeep CJs and similar vehicles with 1-3/4" to 2" wide leaf springs. **Note: Shims should not be stacked. Six shims per box**

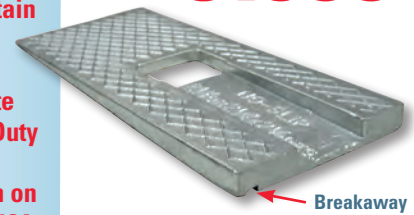


No.	Width	Degree Taper	Qty	No.	Width	Degree Taper	Qty
80199	1-3/4 to 2"	1/2°	6	80699	1-3/4 to 2"	3°	6
80299	1-3/4 to 2"	1°	6	80799	1-3/4 to 2"	3-1/2°	6
80399	1-3/4 to 2"	1-1/2°	6	80899	1-3/4 to 2"	4°	6
80499	1-3/4 to 2"	2°	6	80999	1-3/4 to 2"	5°	6
80599	1-3/4 to 2"	2-1/2°	6	81099	1-3/4 to 2"	6°	6

Do you specialize in heavy duty trucks or maintain a truck fleet? Check out our complete

Heavy Duty Truck Section on pages 134-144.

80199-81099



For additional shim widths see page 137

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

Installation time: .4 hr/side

Required: 1 per axle

APPLICATIONS

Scion: 2013 - 16 FR-S

Subaru: All Except Justy

Toyota: 2017 & Up 86

SCION/SUBARU CAM BOLTS (PR)

By installing these cam bolts in the **lower bolt position** on the 2 bolt front strut assembly of this popular platform you can dial in front camber adjustments.

US Patent Nos. 8,544,861 • 8,469,375 • D783,393
China Patent No. 201630012294.X • Other Patents Pending



81305



Rear Adjustment range:

Camber $\pm 1.0^\circ$

Installation time: .5 hr/side

Required: 1 per axle

APPLICATIONS

Ford: 2000 - 11 Focus

Volvo: 2008 - 13 C30

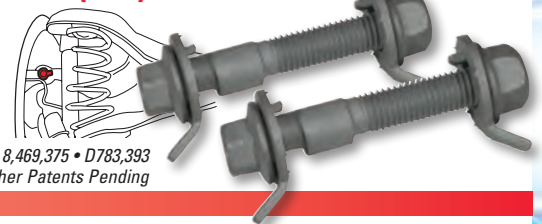
2004 - 12 S40, V50



FORD FOCUS REAR CAMBER KIT (PR)

This kit replaces the outer bolt of the upper rear control arm and provides $\pm 1^\circ$ of camber adjustment. Perfect for lowered vehicles or standard alignments.

US Patent Nos. 8,544,861 • 8,469,375 • D783,393
China Patent No. 201630012294.X • Other Patents Pending



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

Installation time: 1.0 hr/side

Required: 1 per wheel

APPLICATIONS

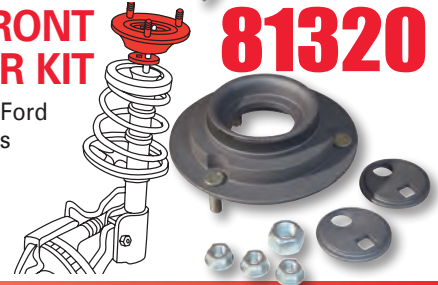
Ford: 2000 - 11 Focus

2010 - 13 Transit Connect



FOCUS/TRANSIT FRONT CAMBER/CASTER KIT

Adjust front camber and caster on Ford Focus and Transit Connect with this adjustable upper strut mount. By replacing the OE strut mount you can get $\pm 1^\circ$ camber and caster.



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

Installation time: 1.0 hr/side

Required: 1 per wheel

APPLICATIONS

Audi: 2006 & Up A3/S3

2017 & Up RS3

2008 - 13 TT

Volkswagen:

2011 & Up Beetle w/multi link susp.

2009 - 16 CC; 2007 - 13 EOS

2010 - 14 Golf; 2008 Golf R32

2006 & Up GTI; 2005 - 17 GLI

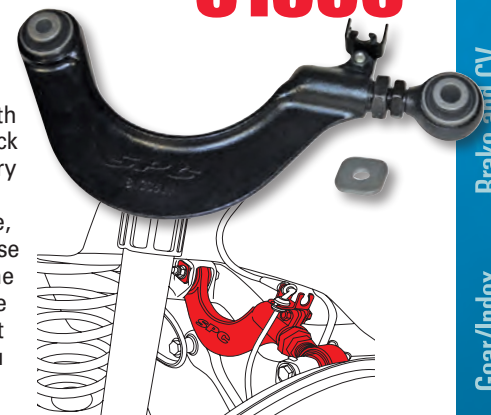
2005 & Up Jetta w/multi link susp.

2006 - 10 Passat; 2006 - 09 Rabbit

2009 & Up Tiguan

VW REAR CAMBER ARM

Adjust camber in the rear of many popular VW and Audi models $\pm 3^\circ$ with this fully adjustable rear camber arm from SPC. The forged steel arm and double threaded adjuster offer the strength and on-car adjustment needed for the track or simply getting alignment back to factory specifications. SPC's arm uses bonded rubber bushings to maintain factory noise, vibration, and harshness (NVH) values. Use the included bracket to properly secure the factory ABS wire. The arm is sold per side and can be used for either the right or left hand side. Be sure to order two kits if you need adjustment on both sides.



81335

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

Parts

81340



VW/AUDI FRONT CAMBER/CASTER KIT

Adjust both camber and caster with this kit on many models of Volkswagens and Audis. Simply remove the strut assembly, compress the spring and replace the OE upper bearing plate with this adjustable plate assembly.

SPC
PERFORMANCE

Front Adjustment range:

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

Installation time: .9 hr/side

Required: 1 per wheel

APPLICATIONS

Audi: 2000 - 06 TT FWD/AWD

Volkswagen: 1998 - 10 Beetle

1999 - 06 Golf, GTI (A4)

2004 Golf R32, 1999 - 05 Jetta (A4)

81353

AXLE

81351 81352

LEFT SIDE RIGHT SIDE

AUDI AND VW FRONT UPPER MULTI LINK ARM SET

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, maintenance free ball joints and bushings provide factory ride, handling, and NVH performance.

81363

AXLE

81361 81362

LEFT SIDE RIGHT SIDE

81373

AXLE

81371 81372

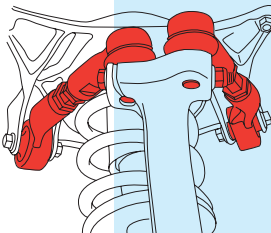
LEFT SIDE RIGHT SIDE

SPC Arms Feature:

- Forged 6061-T6 Aluminum construction for maximized strength at a minimum weight
- Hooked link to maximize clearances
- OE style, maintenance free, booted ball joints
- Large 18mm threaded adjuster links
- Replacement pinch bolts

SPC Performance Arms Add:

- xAxis™ sealed flex joints replacing overly compliant OE inner bushings with a free pivoting, minimum compliance, joint



81358

AXLE

81368

AXLE

81378

AXLE

AUDI AND VW PERFORMANCE ARMS

Get ready for the track with this four (4) arm set of adjustable upper links for many Audi and VW models. This kit has four arms so you can change camber and caster $\pm 1.5^\circ$ on both sides. xAxis sealed flex joints replace the overly compliant inner bushings with a free pivoting minimum compliance joint. You will feel the difference in handling.

Warning: You will also hear the difference, the OE bushings are designed to absorb and negate noise, vibration, and harshness (NVH). This set of arms will transmit road noise into the cabin.



SPC
PERFORMANCE

FAQ

Front Adjustment range:

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

Installation time: .7 hr/side

Required: **81353, 81363, 81373**

81358, 81368, 81378

1 per axle

81352, 81362, 81372

1 per wheel - right

81351, 81361, 81371

1 per wheel - left

81351, 81352, 81353 & 81358*

APPLICATIONS

Audi: 1998 - 08 A4/S4/RS4

2007 - 08 A5/S5

1998 - 04 A6/RS6/S6/
Allroad

Volkswagen: 1998 - 05 Passat

w/ beam type rear axle

81361, 81362, 81363 & 81368*

APPLICATIONS

Audi: 2009 - 16 A4/RS4/S4

2012 & Up A6/RS6/S6

Allroad

2009 - 16 A5/S5/RS5

2012 & Up A7/S7/RS7

2009 - 17 Q5

2013 - 17 SQ5

81371, 81372, 81373 & 81378*

APPLICATIONS

Audi: 2005 - 11 A6/S6

2004 - 10 A8/S8

Bentley: 2004 - 12 Continental

Volkswagen: 2004 - 06 Phaeton

***NOTE:** 81358, 81368 and 81378 are

performance parts;

if OE type noise

isolation levels are

desired use our

81353, 81363 or

81373 arm sets.

SPC's Performance Audi Arms Feature xAxis™

- Sealed joint retains grease and excludes contaminants

- Highly polished electroless-nickel finish on ball maximizes durability

- Up to 45° angularity for high mis-alignment requirements



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

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

Installation time: .4 hr/axle

Required: 1 per wheel/front
1 per wheel/rear

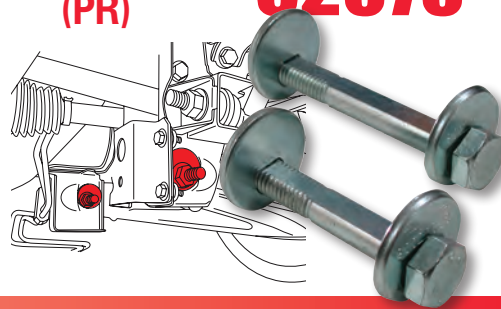
APPLICATIONS

Pontiac: 2006 - 10 Solstice
Saturn: 2007 - 10 Sky

SOLSTICE/SKY CAM BOLTS (PR)

82070

Replace corroded or stripped alignment cam assemblies on the front or rear of the Pontiac Solstice and Saturn Sky with this pair of cam bolts. Use these kits to lock in your alignment adjustment. Pair of cam bolts adjusts camber and caster on the front and camber and toe on the rear.



82080 Rear Adjustment range: Camber $\pm 2.0^\circ$

Install. time: .5 hr/side Req.: 1 per wheel

82085 Rear Adjustment range: Toe $\pm 2.0^\circ$

Install. time: .5 hr/side Req.: 1 per wheel

82080 & 82085 APPLICATIONS WITHOUT HIPER STRUT SUSPENSION

Buick: 2010 Allure; 2010 & LaCrosse
2011 - 17 Regal

82090

AWD OR FWD WITH HIPER STRUT

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

Install.: .3 hr/axle Req.: 1 per wheel

APPLICATIONS

Buick: 2010 Allure; 2010 & Up LaCrosse
2011 & Up Regal
Cadillac: 2013 & Up XTS

GM REAR CAMBER & TOE BOLTS

82080 82085

Replace the factory torque-to-yield (TTY) rear camber and toe bolts on GM's Epsilon II platform with these hex chromate free 700 hour salt spray tested cam bolts from SPC. GM's hardware is TTY and needs to be replaced with every alignment. SPC's hardware can be re-torqued in future alignments, so you will only need to replace them once. These kits are sold per wheel and give you the same adjustment range as the factory cam, $\pm 2^\circ$ for camber or toe. You may find that the factory toe bolt (which is not TTY on hiper strut equipped models) is hard to reach, use SPC's D-Bolt socket, p/n 45938 to make adjusting the OE bolt easier.



82090

45938 - D-Bolt Socket for OE Bolt, pg 163

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

Installation time: .3 hr/axle

Required: Camber **and** Toe
1 per wheel
Camber **or** Toe
1 kit per axle

APPLICATIONS

Chevrolet: 2004 - 12 Malibu
Pontiac: 2005 - 10 G6
Saab: 2003 - 12 9-3
Saturn: 2007 - 09 Aura

GM REAR CAMBER/TOE BOLTS (PR)

82100

Use this pair (2) of cam bolts to double the adjustment range for rear camber and toe on GM's Epsilon platform. The OE cams only give one degree of change which is often not enough camber and you may quickly run out of toe. The innovative design doubles change to $\pm 2.0^\circ$ and can be used as both camber and toe adjusters, as needed. Depending on how much change is required, you may need to use SPC's 85130 rotary file to elongate the adjustment slot to take full advantage of the max-offset cam. This kit has a hex chromate free finish that is highly corrosion resistant and meets industry leading 700-hour Salt Spray Test requirements (SST).



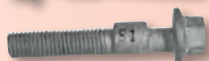
85130 - Rotary File Set, pg 169

Salt Spray Testing - Hex Chromate-Free Finish

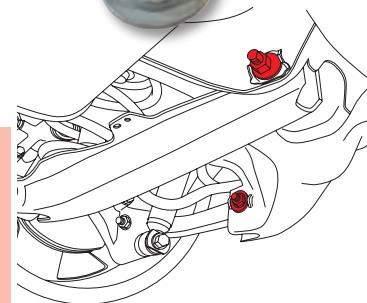
Competitor's Cam



SPC's Cam



- Hex Chromate-free finish for 700 hr salt spray results
- Avoids any hydrogen embrittlement issues
- Environmentally friendly

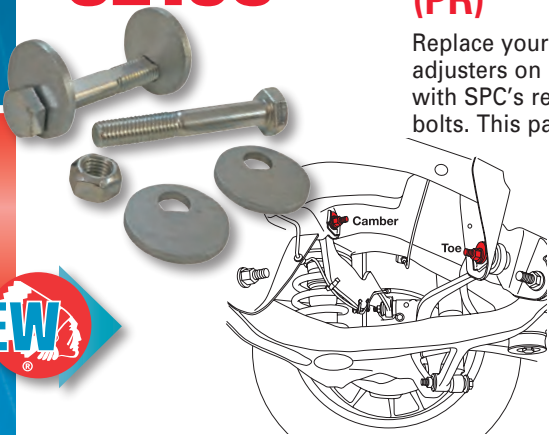


Parts

82105

GM SUV REAR CAM BOLT (PR)

Replace your stripped or corroded factory adjusters on GM's Lambda platform vehicles with SPC's rear camber and toe adjustment bolts. This pair of camber bolts can be used to replace camber or toe bolts on either side of the car. You will need 2 kits to replace all four positions. This kit provides the same adjustment range as the factory cam bolts. Need front camber adjustment? The Lambda platform can use SPC's EZ Cams™ to add quick camber correction on the front suspension.



Rear Adjustment range:

Camber $\pm 2.00^\circ$ Toe $\pm 2.00^\circ$

Installation time: .3 hr/side

Required: 1 per wheel

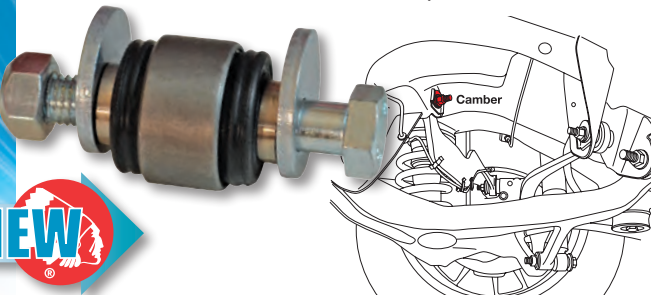
APPLICATIONS

Buick: 2007 - 17 Enclave
Chevrolet: 2008 - 17 Traverse
GMC: 2007 - 16 Acadia
 2017 Acadia Limited
Saturn: 2007 - 2010 Outlook

82106

GM XAXIS™ AND CAM KIT

Replace failed cross axis balljoints and frozen cam adjusters on the rear upper control arm of GM's popular Lambda platform vehicles with SPC's cam bolt and xAxis kit. This will let you adjust camber. Includes one xAxis joint and one cam bolt.



Rear Adjustment range:

Camber $\pm 2.00^\circ$

Installation time: 5 hr/side

Required:

1 per wheel/per angle changed

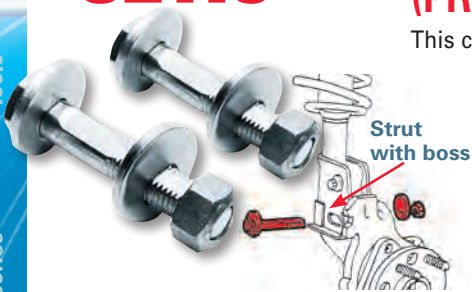
APPLICATIONS

Buick: 2007 - 17 Enclave
Chevrolet: 2008 - 17 Traverse
GMC: 2007 - 16 Acadia
 2017 Acadia Limited
Saturn: 2007 - 2010 Outlook

82110

GM CAMBER KIT (PR)

This cam bolt kit changes camber up to $\pm 2.5^\circ$ positive or negative. when elongating the hole use our #85130 Rotary File Set.



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

Installation time: .4 hr/side Required: 1 per axle

APPLICATIONS

See application charts, pages 7-64 for years.

Buick: Century, Skylark
Chevrolet: Celebrity, Citation, Lumina APV
Olds: Cutlass Ciera, Omega, Silhouette
Pontiac: *Front:* 6000, Phoenix
Rear: Fiero, Trans Sport

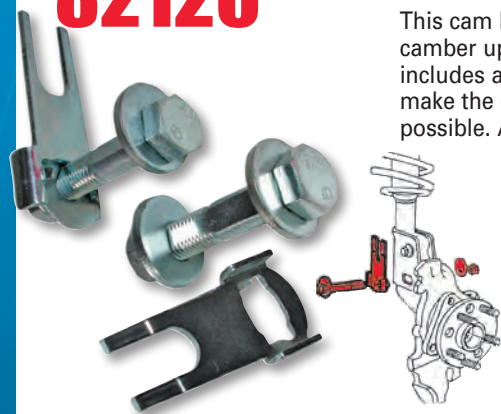


85130 - Rotary File Set, pg 169

82120

CAMBER KIT (PR)

This cam bolt kit changes camber up to $\pm 2.5^\circ$. 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.



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

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

APPLICATIONS

See application charts, pages 7-64 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



85130 - Rotary File Set, pg 169

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

Installation time: .3 hr/side

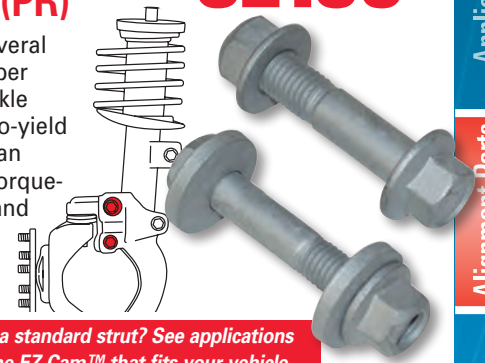
Required: 1 per wheel

APPLICATIONS
with HiPer Strut

- Buick:** 2010 Allure
2016 & Up Cascada
2016 & Up Envision
2010 & Up LaCrosse
2011 - 17 Regal
- Cadillac:** 2014 - 16 ELR
2013 & Up XTS

GM HIPER STRUT FRONT CAM BOLT SET (PR)

GM's HiPer strut has been released on several Buicks and Cadillacs. To adjust front camber you must adjust the cam bolt on the knuckle assembly. However, GM is using torque-to-yield bolts that require replacement whenever an alignment is performed. Replace the OE torque-to-yield bolts with SPC's upgraded bolts and you will not need to replace the bolt for future alignments. The kit includes 2 bolts; a cam bolt for the slotted upper hole and a standard replacement bolt for the lower hole, enough to align one corner.



Have a standard strut? See applications for the EZ Cam™ that fits your vehicle

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

Installation time: .5 hr/side

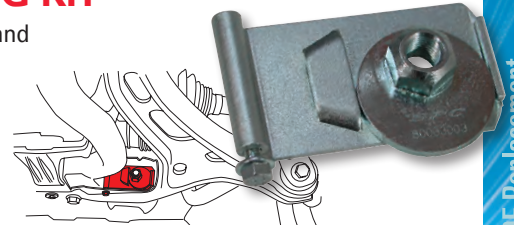
Required: 1 per wheel

APPLICATIONS

- Dodge:** 2011 & Up Durango
Jeep: 2011 & Up
Grand Cherokee

DODGE/JEEP FRONT CAM./CAS. ADJUSTING KIT

Install this cam and guide kit to quickly and accurately dial in the alignment angles on 2011 and newer Grand Cherokees and Dodge Durangos. Even with the suspension loaded, this kit makes changes of up to $\pm 1.5^\circ$ camber/caster fast and easy.



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

Installation time: .4 hr/side

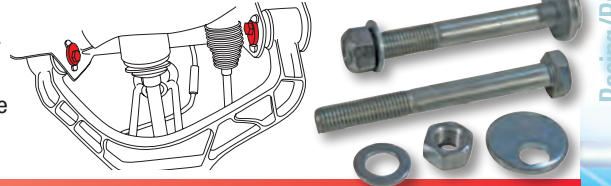
Required: 1 per wheel

APPLICATIONS

- Jeep FWD/4WD:**
2002 - 07 Liberty

JEEP FRONT CAMBER/CASTER ADJ. KIT (PR)

Replace OE cams on the lower control arm of the 2002 to 2007 Jeep Liberty with this kit. Get the $\pm 1.5^\circ$ camber/caster change that you need and lock it in with this simple R & R piece.



Rear Adjustment range:
Pinion Angle $\pm 2.00^\circ$

Installation time: .3 hr/axle

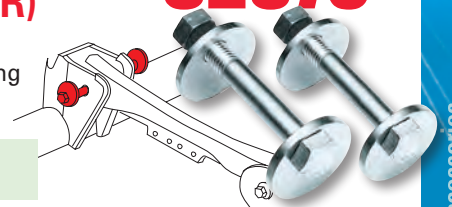
Required: 1 per axle

APPLICATIONS

- Jeep:** 1993 - 98 Grand Cherokee (ZJ)
1997 - 06 Wrangler (TJ)

JEEP REAR PINION ANGLE ADJUSTING BOLTS (PR)

Correct rear pinion angle on Jeep TJs & ZJs by replacing the OE bolts on the upper trailing arms with these cam bolts.



64225 - Angle Gauge, pg 163

Front/Rear Adjustment range:
Caster $\pm 1.50^\circ$ /Pinion Angle $\pm 1.50^\circ$

Installation time: .4 hr/axle

Required: 1 per axle

82380 APPLICATIONS

- Jeep 4WD:** 1997 - 06 Wrangler (TJ)
Dodge 4WD: *With 36mm cams*
1994 - 99 1500 Ram

82390 APPLICATIONS (Front & Rear)
Jeep RWD/4WD: 2007 - 18 Wrangler (JK)



74910 - Punch, pg 167

JEEP CASTER/PINION ANGLE ADJUSTERS

These cams replace the front axle bolt to 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 OE bolt holes on the #82390 use our knock out punch - 74910. Front caster will change as you adjust pinion angle. Use our offset pin joints (23510-23540 - page 71) for additional caster adjustment and to adjust camber.

82380 82390

Check out our JK Suspension Arms on page 67



82385



DODGE CASTER CAMS (PR)

Dodge solid front axled 3/4 and 1-ton trucks equipped with non-adjustable or corroded lower control arm bolts can now replace their OE bolts (**50mm cams**) with the 82385 Caster Adjustment Cam Kit. These replacement cam bolts provide caster and pinion 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 $\pm 2.00^\circ$ Pinion $\pm 2.00^\circ$
Installation time: .4 hr/axle
Required: 1 per axle

APPLICATIONS

Dodge 4WD: 2000 - 09 2500 Ram
2000 - 09 3500 Ram
2006 - 08 1500 Ram Mega Cab
Dodge RWD: 2000 - 09 3500 Ram
with mono beam

NEW

82386 82387



HD RAM ADJUSTABLE CAM KIT (PR)

Replace frozen or worn lower control arm bolts with SPC's replacement adjusters. Designed for the rigors of Ram heavy duty trucks, these high strength bolts come with a corrosion resistant coating for long life. Adjust caster or pinion angle by $\pm 2.0^\circ$ to dial in your alignment settings or to correct for a suspension lift kit.

Front Adjustment range:
Caster $\pm 2.00^\circ$ Pinion $\pm 2.00^\circ$
Installation time: .5 hr/axle
Required: 1 per axle

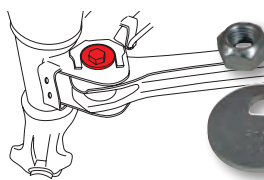
82386 APPLICATIONS

Ram 4WD: 2010 - 13 2500; 2010 - 13 3500
Ram RWD: 2010 - 13 3500 with monobeam

82387 APPLICATIONS

Ram 4WD: 2014 & Up 2500; 2014 & Up 3500
Ram RWD: 2014 & Up 3500 with monobeam

82395



DODGE CASTER/PINION CAMS (PR)

Replace the non adjustable or corroded OE bolts on Dodge 3/4 and 1-ton trucks to get $\pm 1.5^\circ$ of caster and pinion angle change. Whether the truck is lifted or stock ride height, optimize caster and pinion angles for better tracking and axle/drive shaft position.

Front Adjustment range:
Caster $\pm 1.50^\circ$ Pinion $\pm 1.50^\circ$
Installation time: .4 hr/axle
Required: 1 per axle

APPLICATIONS

Dodge 4WD:
1994 - 99 1500 Ram,
2500 Ram HD, 3500 Ram
Dodge RWD:
1994 - 99 3500 Ram with mono beam

82400



DODGE DAKOTA CAMBER/ CASTER ADJUSTING KIT (PR)

Replace OE cams on the lower control arm of popular Dodge Dakota light trucks with this kit. Get the $\pm 2^\circ$ camber/caster change that you need and lock it in with this simple R&R piece.

Front Adjustment range:
Camber/Caster $\pm 2.00^\circ$
Installation time: .4 hr/axle
Required: 1 per wheel

APPLICATIONS

Dodge RWD/4WD: 2005-11 Dakota
Mitsubishi RWD/4WD:
2006 - 09 Raider

82420



DODGE 1500 CAM KIT (PR)

Replace corroded or damaged factory front camber and caster bolts on the Dodge 1500 with these hex chromate free 700 hour salt spray tested cam bolts from SPC. This kit is sold per wheel and gives you the same adjustment range as the factory cam, $\pm 2^\circ$ for camber and caster and is enough to replace the bolts on one lower control arm. If you need more change than the OE cams give you, use SPC's adjustable upper ball joint p/n 23940 (pg 72).

Front Adjustment range:
Camber/Caster $\pm 2.00^\circ$
Installation time: .4 hr/axle
Required: 1 per wheel

APPLICATIONS

Dodge/Ram RWD/4WD:
2006 & Up Ram 1500
Except Mega Cab
Ram RWD/4WD: 2011 & Up 1500

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

Installation time: .8 hr/side Required: 1 per axle

APPLICATIONS

See application charts, pages 7-64 for years.

- BMW:** 1963 - 88 Vehicles w/14mm bolt
- Datsun:** 240Z, 260Z, 280Z, 810
- Nissan:** 200SX, 280ZX, 300ZX, Maxima



73010 - Punch,
pg 165

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

CAM KIT (PR)

83115

To correct camber remove the OE 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.



Installation time: .4 hr/side Required: 1 per wheel

APPLICATIONS

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

- Chrysler:** 1960 - 73 all cars
- Dodge:** 1960 - 73 all cars (except B & E bodies); 1972 - 89 AD150 1972 - 87 D100, D150, D200, D250. D300, D350, D400, D450 1974 - 87 Ramcharger
- Plymouth:** 1960 - 73 all cars; 1974 - 81 Trailduster

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

- Ford:** 1966 - 70 Fairlane, Falcon; 1966 - 71 Torino 1967 - 73 Mustang; 1967 - 79 Maverick
- Mercury:** Cougar 1969 - 77; 1966 - 70 Montego; 1967 - 79 Comet 1975 - 80 Granada/Monarch

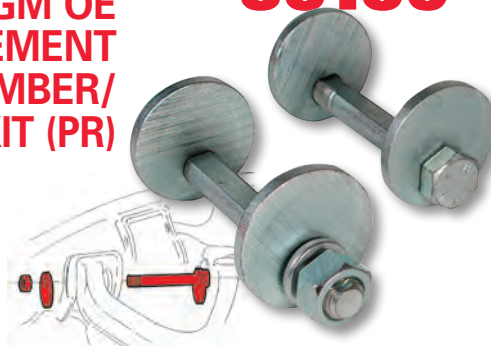
Rear camber Adjustment range: $\pm 2.00^\circ$

- Chevrolet:** Corvette 1963 - 82

CHRYSLER/ FORD/GM OE REPLACEMENT CAMBER/ CASTER KIT (PR)

83160

These cams are used as an OE 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 per axle

APPLICATIONS

- Chrysler/Dodge/Plymouth:** 1996 & up Mini-Vans (Caravan, Town & Country, Voyager) 2012 - 13 Tradesman Conversion Van 1980 - 95 FWD 400, 600, Acclaim, Aries, Caravelle, Charger, Daytona, Dynasty, E Class, Fifth Ave., Imperial, Horizon, Lancer, New Yorker, Omni, Rampage, Reliant, Scamp, Shadow, Spirit, Sundance, TC3, Turismo **Volkswagen:** 2009 - 14 Routan

Check out what else this cam set can do! See page 110.

FRONT CAMBER KIT (PR)

83170

These heavy duty adjusters provide up to $\pm 2.5^\circ$ front camber change for Chrysler/ Dodge/Plymouth Mini-Vans and FWD cars along with VW Routans.



85130 - Rotary File Set, pg 169



- 83180** **Front** Adjustment range: Camber/Caster $\pm 2.0^\circ$
- Rear** Adjustment range: Camber/Toe $\pm 2.0^\circ$

- 83185** **Front** Adjustment range: Camber/Caster $\pm 1.0^\circ$

Installation time: .5 hr/axle

Required: 1 per wheel

APPLICATIONS

- 83180** **Mazda:** 1990 - 05 Miata (MX-5)
- 83185** **Mazda:** 2006 - 15 Miata (MX-5)

MAZDA MIATA MX-5 CAMBER/CASTER ADJUSTING KIT (PR)

83180 83185

Use this kit to replace stripped or bent OE alignment cam assemblies on later generations of the Mazda Miata MX-5. SPC's cams are heat treated to prevent stripping or warping. The kit is available per wheel and allows full use of the factory adjustment range.



Front Adjustment range: Cam/Cas $\pm 1.25^\circ$

Installation time: .5 hr/wheel

Required: 1 per wheel

APPLICATIONS

- Chevrolet 4WD:** 1982 - 04 Blazer, S-10
- GMC 4WD:** 1982 - 04 Jimmy, Sonoma
- Isuzu 4WD:** 1996 - 00 Hombre
- Oldsmobile 4WD:** 1991 - 01 Bravada

CHEVY/GMC CASTER/ CAMBER ADJ. KIT (PR)

83710

The 83710 is an OE replacement cam and bolt kit for the popular 4WD Chevy S-10/ Blazer and GMC Sonoma/Jimmy. Adjust $\pm 1.25^\circ$ camber and caster with this simple to use set-up.



Parts

83790

GM HEAVY DUTY CAM/CAS KIT (PR)

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 OE Bolts and replace them with these cams, rotating to provide camber and caster adjustment. Use **74910** punch to remove the OE slugs and elongate the holes. If necessary, **87400** includes 4 cam and bolt assemblies to cover both sides of the vehicle (page 124).



 **74910 - Punch, pg 167**

Front Adjustment range: Cam/Cas $\pm 2.00^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Cadillac/Chevrolet/GMC

AWD: 1990 - 05 Astro/Safari Van

4WD: 1988 - 00 1500, 2500, 3500 (99-00 Classic Only)

RWD/ 1992 - 94 Blazer (full size)

4WD: 1988 - 91 Jimmy (full size)

1999 - 00 Escalade; 1992 - 99 Yukon

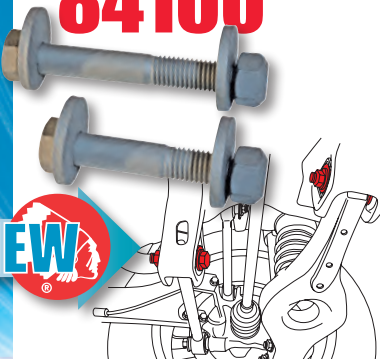
1992 - 99 Suburban; 1995 - 99 Tahoe

RWD: 1996 - 02 Express/Savana

84100

HYUNDAI/KIA REAR ADJ. CAMS

Replace damaged or corroded factory alignment adjusters on the rear suspension of many Hyundai and Kia SUV models with these cam bolts from SPC. These bolts are designed to provide the same adjustment range as the original components while providing superior corrosion and salt resistance with SPC's 700 hour salt spray tested coating. This kit includes two bolts: a replacement camber bolt and toe bolt to restore adjustability for one side of the vehicle. Order two kits to restore adjustment to the entire rear suspension.



Rear Adjustment range:

Camber $\pm 1.5^\circ$ Toe $\pm 1.5^\circ$

Installation time: .4 hr/axle

Required: 1 per wheel

APPLICATIONS

Hyundai: 2007 - 12 Santa Fe

2007 - 12 Veracruz

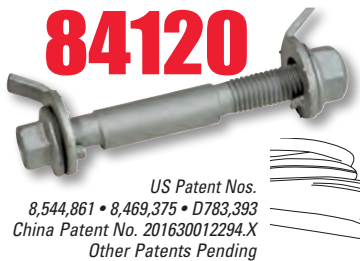
Kia: 2008 - 11 Borrego

2011 - 15 Sorento

84120

SEDONA/ENTOURAGE REAR CAM BOLTS

Adjust Entourage and Sedona rear camber with SPC's patented camber bolt. Simply replace the rear lower control arm to knuckle bolt with SPC's bolt and get $\pm .75^\circ$ camber change to get the vehicle back to specification.



US Patent Nos.

8,544,861 • 8,469,375 • D783,393

China Patent No. 201630012294.X

Other Patents Pending

Rear Adjustment range:

Camber $\pm .75^\circ$

Installation time: .4 hr/axle

Required: 1 per wheel

APPLICATIONS

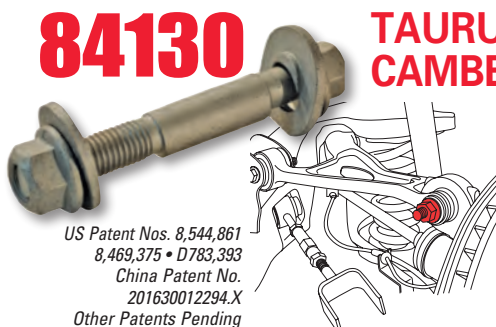
Hyundai: 2007 - 09 Entourage

Kia: 2006 & Up Sedona

84130

TAURUS PLATFORM REAR CAMBER KIT

Adjust rear camber on many non-adjustable Ford and Lincoln models with SPC's patented EZCam™ Bolt. Simply replace the rear upper control arm to knuckle bolt with SPC's bolt and get $\pm 0.75^\circ$ of camber adjustment to bring your vehicle back into specification.



US Patent Nos. 8,544,861

8,469,375 • D783,393

China Patent No.

201630012294.X

Other Patents Pending

Rear Adjustment range:

Camber $\pm .75^\circ$

Installation time: .4 hr/axle

Required: 1 per wheel

APPLICATIONS

Ford: 2010 & Up Taurus

2009 & Up Flex

2011 & Up Explorer

Lincoln: 2009 - 16 MKS

2010 & Up MKT

84690
84695

HONDA CASTER SPACERS

These spacers change caster approximately $1/8^\circ$ (**84690**) and $1/4^\circ$ (**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.



84690
1/16" thick

84695
1/8" thick

Front Adjustment range:

Caster $- .125^\circ$ to $- .25^\circ$

Installation time: .5 hr/side

Required: 1 spacer per wheel

APPLICATIONS

Acura: 1997 - 99 CL; 1996 - 03 TL

1992 - 94 Vigor

Honda: 1990 - 02 Accord

1995 - 98 Odyssey

Front Adjustment range:
Camber $\pm 75^\circ$ /Caster $\pm 1.25^\circ$

Installation time: .4 hr/side

Required: 1 per axle

APPLICATIONS

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

EXPLORER/MOUNTAINEER FRONT CAM./CAS. / KIT

86140

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 can make alignment changes for the life of the vehicle.



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

Installation time: .2 hr/side

Required: 1 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 per wheel

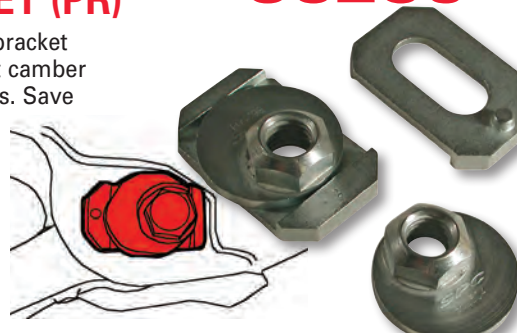
APPLICATIONS

Ford RWD/4WD:
2007 - 17 Expedition
2004 & Up F150
2010 & Up Raptor
Lincoln:
2006 - 08 Mark LT
2007 - 17 Navigator

FORD ADJUSTABLE CAM NUT/ BRACKET (PR)

86250

The innovative cam nut and sturdy bracket saves time and money. Easily adjust camber and caster on F150's and Expeditions. Save time since you don't have to remove the OE bolt or stabilizer bar. The sturdy guide bracket allows for live adjustment on the lower control arm. This product is a must have every time these vehicles enter your shop!



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

Installation time: .8 hr/side

Required: 1 per wheel

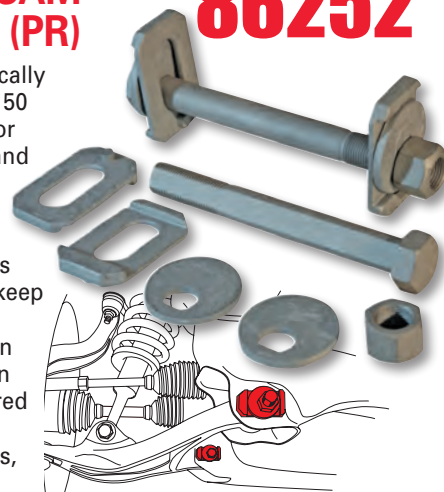
APPLICATIONS

Ford RWD/4WD:
2007 - 17 Expedition
2004 & Up F150
2010 - 14 Raptor
Lincoln:
2006 - 08 Mark LT
2007 - 17 Navigator

RAPTOR & F150 HD CAM FRONT CAM/CAS KIT (PR)

86252

This heavy-duty cam-bolt kit was specifically designed for the extreme Raptor and F-150 user. Whether you are an energetic Raptor driver or abuse your F-150 in the fields and on the job site, you may have found that the OE bolts slip or that a single cam option does not hold alignment. This upgraded cam kit features two cams and bosses per bolt. The two cams will keep your bolt square and make adjustment easier while the new bolt and low friction finish achieve 25% more clamp load than the OE hardware. Some drilling is required to accommodate the second boss plate. This kit is sold per wheel and fits Raptors, non-Raptor F-150's and related SUVs.



SPC also carries an adjustable upper control arm for late and current models of the popular F150. Part No. 25680 (page 76) is perfect for ride height altered vehicles with the ability to achieve greater droop travel, move oversized tires in the wheel well and improve drivability and tracking.

Parts

86255



F150 PINION ANGLE SHIMS (PR)

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.

Rear Adjustment range: Pinion $\pm 2.50^\circ$

Installation time: .5 hr/axle Required: 1 per axle

APPLICATIONS

Ford: 2004 & Up F150

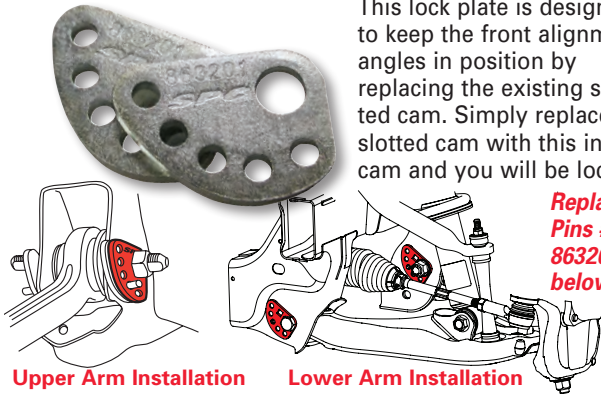


64225 - Angle Gauge, pg 163

86320 86321

GM ALIGNMENT CAM LOCK PLATE (PR)

This lock plate is designed to keep the front alignment angles in position by replacing the existing slotted cam. Simply replace the slotted cam with this indexed cam and you will be locked in.



Upper Arm Installation

Lower Arm Installation

Replacement Pins #86325, 86326 - below

Locks in OE adjustment

Installation time: .3 hr/side Required: 1 per wheel

86320 APPLICATIONS

Cadillac RWD/4WD: 2002 & Up Escalade
Chevrolet/GMC RWD/4WD: 1999 & Up 1500 & 1500HD Crew Cab; 1999 - 10 2500, 3500; 2002 - 13 Avalanche 1500, 2500; 2004 - 12 Canyon & Colorado 2003 - Up Express/Savana Van; 2000 & Up Suburban, Tahoe, Yukon, Yukon XL (1500, 2500)
Hummer AWD: 2002 - 09 H2; 2006 - 10 H3, H3T

86321 APPLICATIONS

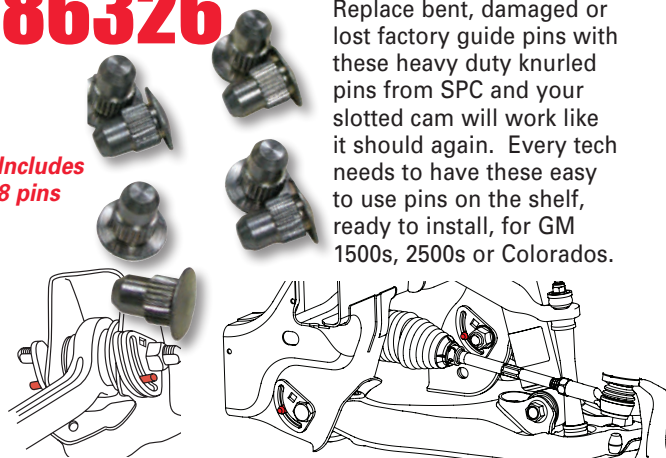
Upper Arm: Chevrolet/GMC RWD/4WD: 2011 & Up 2500HD, 3500HD
Lower Arm: Chevrolet RWD/4WD: 2015 & Up Colorado
GMC RWD/4WD: 2015 & Up Canyon

86325 86326

GM ALIGNMENT PINS (8)

Replace bent, damaged or lost factory guide pins with these heavy duty knurled pins from SPC and your slotted cam will work like it should again. Every tech needs to have these easy to use pins on the shelf, ready to install, for GM 1500s, 2500s or Colorados.

Includes 8 pins



Upper Arm Installation

Lower Arm Installation

Front Replacement Part

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

86325 APPLICATIONS

Cadillac RWD/4WD: 2002 & Up Escalade
Chevrolet/GMC RWD/4WD: 1999 & Up 1500 & 1500HD Crew Cab; 1999 - 10 2500, 3500; 2002 - 13 Avalanche 1500, 2500; 2004 - 12 Canyon & Colorado 2003 - Up Express/Savana Van; 2000 & Up Suburban, Tahoe, Yukon, Yukon XL (1500, 2500)
Hummer AWD: 2002 - 09 H2; 2006 - 10 H3, H3T

86326 APPLICATIONS

Upper Arm: Chevrolet/GMC RWD/4WD: 2011 & Up 2500HD, 3500HD
Lower Arm: Chevrolet RWD/4WD: 2015 & Up Colorado
GMC RWD/4WD: 2015 & Up Canyon

Specialty Products Works!

SPC parts and tools are used in commercial fleets worldwide. Fleet specialists know that aligning their vehicles correctly prolongs tire life, increases fuel mileage and improves handling and tracking.

Check out SPC's FasTrax™ Alignment Gauge (pages 142 & 172). By adding just 5 minutes to your PM schedule you can protect your tires from premature wear and increase fuel mileage.



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

Installation time: .8 hr/side Required: 1 per wheel

86330 APPLICATIONS

Chevrolet/GMC RWD/4WD:

2001 - 06 1500HD Crew Cab; 1999 - 10 2500, 3500
2002 - 06 Avalanche 2500; 2000 - 14 Suburban 2500
2000 - 14 Yukon XL 2500

Hummer AWD: 2002 - 09 H2



86350 APPLICATIONS

Cadillac RWD/4WD: 2002 & Up Escalade

Chevrolet/GMC RWD/4WD: 1999 & Up 1500
1988 - 00 1500, 2500, 3500 (1999-00 Classic Only)
2002 - 13 Avalanche 1500; 1992 - 94 Blazer (full size)
2003 & Up Express/ Savana Van
1988 - 91 Jimmy (full size); 1992 & Up Suburban 1500
1995 & Up Tahoe; 1992 & Up Yukon

GM RWD/4WD FRONT CAMBER BUSHINGS (PR)

86330 86350

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.



72509 - Ball Joint Press, pg 165

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

Installation time: .5 hr/side

Required: 1 per wheel
(2 Cams in kit)

APPLICATIONS

Chevrolet: 2004 - 12 Colorado

GMC: 2004 - 12 Canyon

Hummer: 2006 - 10 H3, H3T

Isuzu: 2006 - 08 i350/i370

GM MID-SIZED CAMS (PR)

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.

Replacement Pins #86325 - Previous Page

86360



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

Installation time: .3 hr/side

Required: 2 per wheel
(1 Cam in kit)

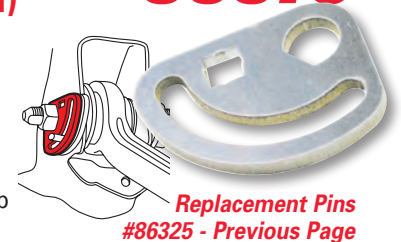
APPLICATIONS

Chevrolet/GMC RWD/4WD:
2003 & Up Express & Savana Van

GM 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. This cam can also be used as a replacement cam for 1999 & up full size Chevrolet/GMC Trucks and SUVs.

86370



Replacement Pins #86325 - Previous Page

GM REPLACEMENT FRONT ALIGNMENT PLATE AND CAM (PR)

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

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

86375 APPLICATIONS

Cadillac RWD/4WD: 2002 & Up Escalade

Chevrolet/GMC RWD/4WD: 1999 & Up 1500 & HD Crew Cab; 1999 - 10 2500, 3500; 2002 - 13 Avalanche 1500, 2500; 2004 - 12 Canyon & Colorado
2003 - Up Express/Savana Van; 2000 & Up Suburban, Tahoe, Yukon, Yukon XL (1500, 2500)

Hummer AWD: 2002 - 09 H2; 2006 - 10 H3, H3T

86376 APPLICATIONS

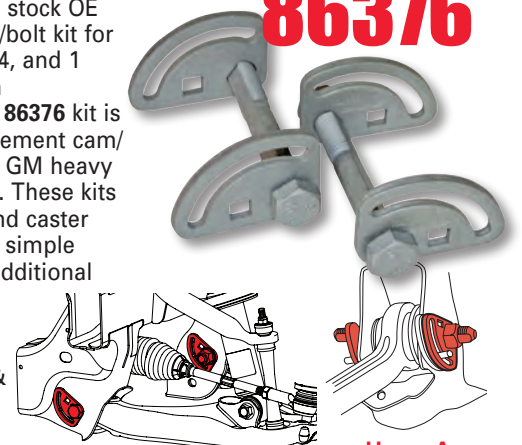
Upper Arm: **Chevrolet/GMC RWD/4WD:**
2011 & Up 2500HD, 3500HD

Lower Arm: **Chevrolet RWD/4WD:**

2015 & Up Colorado **Replacement Pins #86325 & #86326**
GMC RWD/4WD: 2015 & Up Canyon **- Previous Page**

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. The **86376** kit is a stock OE replacement cam/bolt kit for newer GM heavy duty applications. These kits are for camber and caster adjustment. For additional change for the 1/2, 3/4 and 1 ton vehicles see our bushings **86330** & **86350** (above) or our adjustable ball joint **23960** (page 74).

86375 86376



Lower Arm Installation

Upper Arm Installation

Applications

Alignment Parts

Heavy Duty

Replacement

Racing/Builders

Tools

Accessories

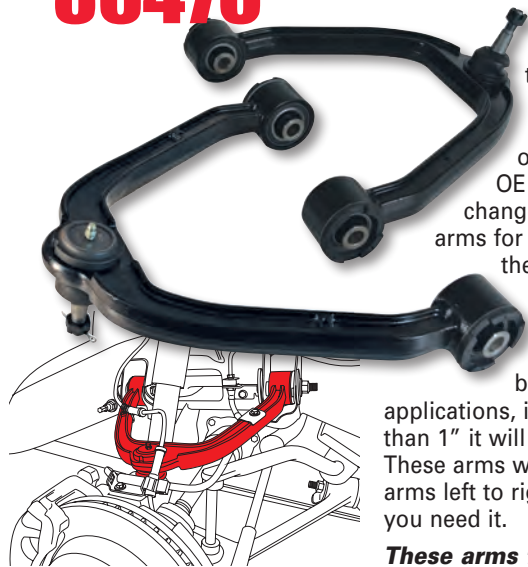
Brake and CV

Gear/Index

Parts

86470

GM FRONT CONTROL ARMS



Get your GM Truck or SUV's front caster back in spec with these fixed offset upper control arms. Whether you lift your rig 3" or lower it 1" the caster will be out of factory specifications. The OE adjusters do not provide enough change, so install SPC offset upper arms for 2° caster change and then use the OE cams to dial in your alignment and get drivability back.

Kit includes arms for both the right and left hand side. It can be used for lifted and lowered applications, if you drop your ride height more than 1" it will start to gain caster very quickly. These arms will still work for you, swap these arms left to right and get -2° caster change if you need it.

These arms feature:

- Full forged construction for maximum strength.
- Booted and greasable ball joints that will last for the life of your truck.
- **SPC's xAxis™ technology with a twist.** The xAxis sealed flex joints used in these arms provide a free pivot for droop and misalignment so that OE caster and camber adjustments will not bind the joint. These joints also have rubber isolation to retain OE levels for Noise, Vibration, and Harshness (NVH).

Front Adjustment range:

Caster +2.00° **Fixed**

Installation time: .6 hr/side

Required: 1 per axle

APPLICATIONS

Cadillac RWD/4WD:

2002 - 06 Escalade

Chevrolet/GMC RWD/4WD:

2002 - 06 Avalanche 1500

1999 - 06 Silverado 1500

2000 - 06 Suburban 1500

2000 - 06 Tahoe

GMC RWD/4WD:

1999 - 06 Sierra 1500

2000 - 06 Yukon 1500 inc. XL

Need to replace the OE adjusters? Consider SPC's #86375 replacement cams (pg. 121), #86325 replacement alignment pins (pg. 120) and #86320 alignment locking plates (pg. 120).

86490

COLORADO/ CANYON FRONT UPPER ADJ. ARMS (PR)

Improve droop travel, drivability and tire wear as well as adjusting tire position in your wheel well with SPC's adjustable front upper control arms. Featuring an upgraded greaseable ball joint and rubber isolated xAxis™ bushings, this arm is designed to correct alignment angles while maintaining factory ride quality. SPC's fully forged steel design provides the strength and durability needed for the most demanding environments. These remove and replace arms are sold in pairs.

- **Get more droop travel:** Don't let OE ball joints or mono-ball articulation limit your travel. SPC joints are oversized and provide 80° of travel.

■ **Get your drivability and tracking back:** Your truck may have started to 'wander' after you lifted it. That is because you lost caster. Install SPC arms and get your 'drivability' back by putting your alignment in specification.

■ **Get your tire where you want it in the wheel well:** Are your oversized tires rubbing the fenders or frame rails? SPC Adjustable Arms, in combination with OE adjustments on the lower arm, allow you to dial in alignment specs at the same time that you move the tire forward/outward in the wheel well by up to 1".

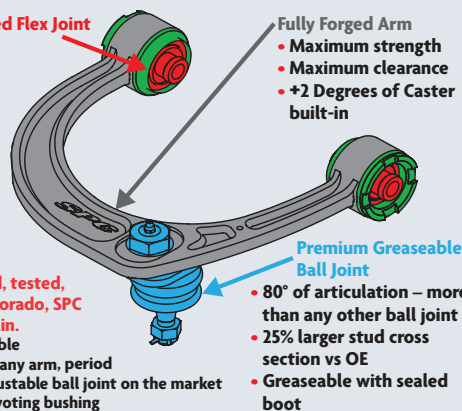
Isolated xAxis™ Sealed Flex Joint Bushings

- Booted to keep contaminants out
- Free pivoting to eliminate binding
- Bonded Rubber Sleeve

To minimize Noise, Vibration, and Harshness (NVH)

Designed, engineered, tested, and assembled in Colorado, SPC has stepped it up again.

- Strongest arm available
- Most articulation of any arm, period
- The only bootted adjustable ball joint on the market
- Maintenance free pivoting bushing



Fully Forged Arm

- Maximum strength
- Maximum clearance
- +2 Degrees of Caster built-in

Premium Greaseable Ball Joint

- 80° of articulation – more than any other ball joint
- 25% larger stud cross section vs OE
- Greaseable with sealed boot

Front Adjustment range:

Camber ±2.0°

Caster 0° to +4.0°

Installation time: .8 hr/side

Required: 1 per axle

APPLICATIONS

Chevrolet: 2015 & Up Colorado

GMC: 2015 & Up Canyon

Need to replace the lower arm adjusters? Consider SPC's #86376 replacement cams (pg. 121), #86326 replacement alignment pins (pg. 120) and #86321 alignment locking plates (pg. 120).

Patent No. US 7,513,514

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

Installation time: .4 hr/side

Required: 1 per wheel

APPLICATIONS

Ford: 2003 - 06 Expedition

Lincoln: 2003 - 06 Navigator

FRONT CAMBER/CASTER EXPEDITION KIT

86640

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.



83820 - Adjusting Wrench, pg 169



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

Installation time: .3 hr/side

Required: 1 per wheel

APPLICATIONS

Ford: 2003 - 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 $\pm 2.00^\circ$

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

APPLICATIONS

Ford RWD: 1992 & Up E-Series Vans; 1987 - 96 F150
1987 - 98 F250; 1987 - 98 F350
1989 - 97 Ranger

Mazda RWD: 1994 - 97 B-Series Pickup
1991 - 94 Navajo



FORD TRUCK RWD CASTER KIT (PR)

87280

This part fits many 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 per axle

APPLICATIONS

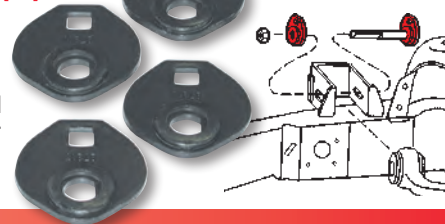
Ford RWD/4WD: 1995 - 01 Explorer
2001 - 05 Explorer Sport Trac
1998 - 00 Ranger

Mercury RWD/4WD: 1996 - 01 Mountaineer

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 per axle

APPLICATIONS

Ford: 1986 - 07 Taurus Sedan

Mercury: 1986 - 06 Sable Sedan



8370 - Tie Rod Puller, pg 159
87320 - Bushing Adj. Tool, pg 170

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 1.0° toe change. Remove the OE bushings and toe adjusters on the inner pivot points and replace with the eccentric bushings. Rotate the bushings to adjust camber and/or toe.



Exporting around the world

Specialty Products exports parts and tools throughout the world. Vehicles that are introduced abroad often end up in the US within a few years. With our export and international partners, SPC is able to develop parts and tools for world platform vehicles before they arrive in the US.

Parts

87350

TAURUS/SABLE WAGON REAR CAMBER KIT (PR)

This kit provides camber change up to $\pm 2.50^\circ$ 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 169

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

Installation time: .5 hr/side

Required: 1 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 heavyweight 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 per wheel

APPLICATIONS

Ford:

2003 -12 Crown Victoria

Lincoln:

2003 -11 Town Car

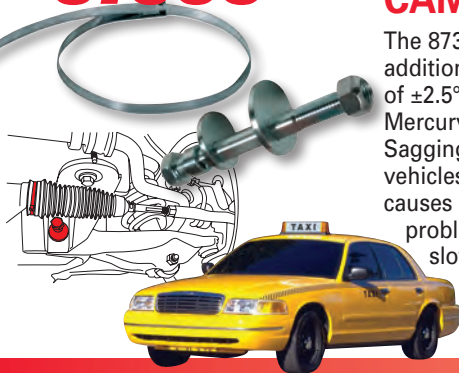
Mercury:

2003 -11 Grand Marquis

2003 - 04 Marauder



85130 - Rotary File, pg 169
02099 - Boot Clamp, pg 178



87385

F150/F250 (L/D) CAM/ CAS KIT (4)

Use this kit to change caster and/or camber on these unadjustable 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 $\pm 2.00^\circ$

Install. time: .4 hr/side Req.: 1 per axle

APPLICATIONS

Ford RWD/4WD:

1997 - 02 Expedition

1997 - 03 F150

2004 - 05 F150 Heritage

1997 - 99 250 (LD)

Lincoln RWD/4WD:

2002 - 03 Blackwood

1998 - 02 Navigator



87400

GM RWD/4WD CAM/ CAS KIT (4)

These heavy duty cams replace the upper control arm mounting bolts. Remove the OE bolts and replace with cams, rotating to provide camber and/or caster adjustment. It may be necessary to remove OE slugs and elongate the bolt holes with **74910**

punch. **83790** includes 2 cams to cover one side of the vehicle (page 118).



74910 - Punch, pg 167

Front Adjustment range:

Camber $\pm 2.00^\circ$ /Caster $\pm 2.00^\circ$

Install. time: .5 hr/side Req.: 1 per axle

APPLICATIONS

Cadillac/Chevrolet/GMC

AWD:

1990 - 05 Astro/Safari Van

4WD:

1988 - 00 1500, 2500, 3500

(1999-00 Classic Only)

RWD/4WD:

1992 - 94 Blazer (full size)

1999 - 00 Escalade; 1988 - 91 Jimmy (full size)

1992 - 99 Suburban/Yukon; 1995 - 99 Tahoe

RWD:

1996 - 02 Express/Savana 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 also be used as a replacement rear camber nut.

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

Install. time: .3 hr/side Req.: 1 per wheel

APPLICATIONS

Chevrolet/GMC:

2012 - 15 Captiva Sport

2005 - 17 Equinox; 2005 - 17 Terrain

Pontiac:

2006 - 09 Torrent

Saturn:

2006 - 09 Vue

Suzuki:

2007 - 11 XL-7



Rear Adjustment range:
Camber $\pm 1.00^\circ$ Toe $\pm 2.00^\circ$
Installation time: .6 hr/side
Required: 1 per wheel

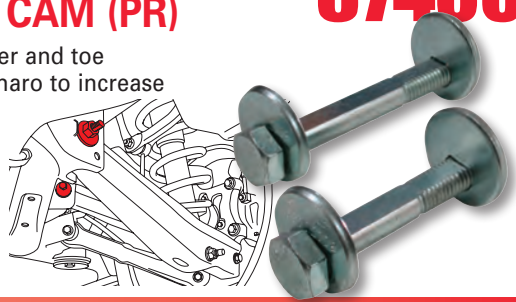
APPLICATIONS

- Chevrolet:** 2010 - 15 Camaro
2011 - 17 Caprice PPV
2014 - 17 SS
- Pontiac:** 2008 - 09 G8

CHEVY CAMARO/PONTIAC G8 ADJ. REAR CAM (PR)

87430

Double the range of rear camber and toe adjustment on the popular Camaro to increase handling performance and minimize tire wear. Remove and replace the OE cam bolts with our 87430 kit for $\pm 1.0^\circ$ camber change and $\pm 2.0^\circ$ toe change. No slotting or grinding needed!



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 per axle

APPLICATIONS

- Ford RWD/4WD:** 1995 - 01 Explorer
2001 - 05 Explorer Sport Trac
1998 - 11 Ranger
- Mazda RWD/4WD:**
1998 - 12 B-Series Pickup
- Mercury RWD/4WD:**
1996 - 01 Mountaineer

FORD EXPLORER CAMBER/ CASTER KIT (4)

87500

Drive up to $\pm 2^\circ$ camber and caster change on the front of the Ranger, Explorer, Mountaineer, and B-Series Pickup by replacing the stock bolt and locking plate with this cam bolt kit from SPC. The 3/8" drive receiver on the cam allows for easy access from either side of upper control arm to make your changes. This kit includes 4 bolts, enough to do both sides. Need additional camber for your 2003 - 2011 Ranger 4WD? Check out the 26014 (pg 77) 1° camber shim to get change beyond what the 87500 gives you.



Front Adjustment range:
Camber $\pm 2.00^\circ$ /Caster $\pm 2.00^\circ$
Installation time: .5 hr/side Req.: 1 per wheel

87515 APPLICATIONS

- Nissan RWD/4WD:** 1998 - 04 Frontier

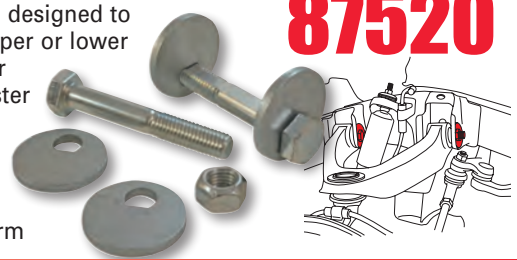
87520 APPLICATIONS

- Infiniti RWD/4WD:** 2004 - 13 QX56; 2014 & Up QX80
- Nissan RWD/4WD:** 2004 & Up Armada, Titan
2005 & Up Frontier; 2005 - 15 Xterra; 2005 - 12 Pathfinder
- Suzuki RWD/4WD:** 2009 -12 Equator

NISSAN CAMBER/ CASTER KIT (PR)

87515 87520

These cams are designed to install in the upper or lower control arms for camber and caster adjustment. They replace the original non-adjustable lower control arm



Front Adjustment range:
Camber $\pm 1.25^\circ$
Installation time: .2 hr/side
Required: 1 per wheel

APPLICATIONS

- Ford:** 1989 - 97 Thunderbird
- Lincoln:** 1993 - 97 Mark VIII
- Mercury:** 1989 - 97 Cougar

T-BIRD, MARK VIII, COUGAR REPLACEMENT FRONT CAM KIT

87535

Use this stock replacement cam kit on the front lower arm to achieve $\pm 1.25^\circ$ front camber change on tenth generation Thunderbirds, Mark Vllls and Cougars. Kit provides easy and precise adjustment without any further modifications.



Front Adj. range: Camber $\pm 1.00^\circ$ /Caster $\pm 2.00^\circ$
Installation time: .4 hr/side Req.: 1 per axle

87540 APPLICATIONS

- Ford:** 2002 - 06 Thunderbird

87545 APPLICATIONS

- Jaguar:** 2000 - 02 S-Type
- Lincoln:** 2000 - 06 LS

Replacement rear lower control arm joint kits are available for these vehicles - see page 149

T-BIRD/LS FRONT CAM/CAS KIT (4)

87540 87545

These kits install in the lower control arms and provides easy and precise adjustment for caster and camber without any further modifications.

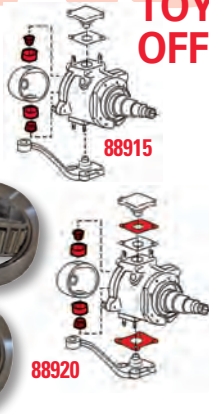


Parts

88915 88920

TOYOTA FRONT OFFSET BEARING KIT

These offset bearing kits provide either $\pm 1^\circ$ or $\pm 3^\circ$ of camber and/or caster change for the non-adjustable Toyota Landcruiser 80 Series and Lexus LX450s with solid front axles. These vehicles are prone to caster loss when lifted, making the $\pm 3^\circ$ 88920 kit perfect for adding caster to restore "return to center" and improve tracking.



Front Adjustment range:

88915 Cam./Cas. $\pm 1.00^\circ$

88920 Caster Only $\pm 3.00^\circ$

NOTE: Only #88920 includes spacer plates.

Installation time: 1.4 hr/side

Required: 1 per wheel

APPLICATIONS

Lexus:

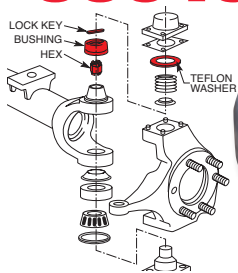
1996 - 98 LX450

Toyota:

1991 - 97 Landcruiser
80 Series

88940

DANA 60 AXLE CAM/CAS KITS



These exclusive kits provide a camber and caster change for Dana 60 Axles. Replace the OE bushing with the correct eccentric bushing, rotate to adjust caster/camber and lock in place. These kits provide full adjustment for future alignments.

Front Adjustment range: Cam/Cas $\pm 1.00^\circ$

Installation time: 4 hr/side Required: 1 per wheel

MONOBEAM - DANA 60 APPS

Chevrolet/GMC: 1988 - 93 K30, V30, V3500

Dodge: 1972 - 83 W200/250

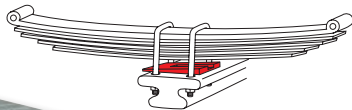
1975 - 93 W300/350

Ford: 1974 - 79 F250; 1974 - 91 F350

International: 1960 - 71 Pickup (1300)

89199- 89899

UNI-WEDGE SHIMS (HD ZINC ALLOY)

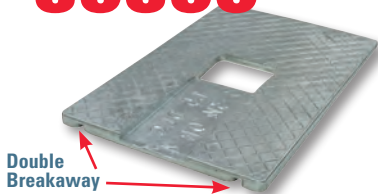


Twice the coverage - half the inventory. Changes caster positive or negative from $1/2^\circ$ to 4° .

APPS: Any solid axle RWD or 4WD vehicle.

For more shims check out our complete Heavy Duty Truck Section on pages 134-144.

For additional shim widths see page 137



No.	Width	Degree Taper	Qty	No.	Width	Degree Taper	Qty
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

89635 89685

FORD CAMBER KIT (PR)

This kit provides front camber adjustment on many popular Ford vehicles. 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 per axle

89635 APPLICATIONS

Ford: 1996 - 07 Taurus Sedan

1996 - 05 Taurus Wagon

Mercury: 1996 - 06 Sable Sedan; 1996 - 05 Sable Wagon

89685 APPLICATIONS

Ford: 2004 - 07 Freestar; 1994 - 03 Windstar

Mercury: 2004 - 07 Monterey

On our website

We are constantly developing new parts and tools for new platforms as well as improving our current products.

Also available on our website are our coil spring parts, parts for older/ specialized vehicles, information on training, installation videos, FAQs, instructions, and more.

If you don't see it in our catalog - be sure to check the website!



Front Adjustment range:
94000 Cam./Cas. $\pm 3.00^\circ$
94800 Cam./Cas. $\pm 3.00^\circ$
 Required: 1 per wheel

APPLICATIONS

Ford: 1974 - 78 Mustang II
All Mustang II Type Suspensions

Mustang II Suspension

SPC's Mustang II Adjustable Front Upper Control Arms are perfect for hot rod builders. With $\pm 3^\circ$ camber/caster change you can easily adjust the upper arms for maximum handling and minimized tire wear. These arms include everything needed for your custom chassis including ball joints.



94000
94800

Ball Joints

1/2" Extended Length OE Style Ball Joints

These greaseable, OE 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 #	Description
94016	Lower Ball Joint for GM 'A' Bodies (Press in for 94344 Lower Arm)
94018	Lower Ball Joint for GM 'G' Bodies (Press in for 95336 Lower Arm)
94017	Upper Ball Joint for GM Mid Size Bolt In Metric Plate
94019	Upper Ball Joint for GM 1st Gen 'F' Body & 'A' Body ('64 -'72)

OE 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 #	Description
94001	Upper Early GM Metric Bolt-in Ball Joint
94002	Upper Chrysler Screw-In Ball Joint
94003	Upper GM C2/C3 Corvette & Tri 5 Bolt-In Ball Joint
94004	Upper GM Full-Sized Bolt-In Ball Joint
94006	Upper GM Mid-Sized Metric Bolt-In Ball Joint
94007	Upper C4 Corvette Bolt-In Ball Joint
94009	Upper Ford Mustang Ball Joint
94010	Lower A & F Body Ball Joint
94011	Lower G & 2nd Gen F Body Ball Joint

 **68880** - Socket pg 164



Featured Owner: Bob Melanson

We love it when our customers make the trek to our headquarters in Longmont, Colorado. Bob showed up one sunny afternoon to introduce us to "Frankenrat".

Frankenrat started out as a Port City Late Model Chassis that raced locally at Colorado National Speedway. On top sits a 1931 Chevy body widened to fit the chassis.

SPC custom arms were fitted into the front chassis and are the perfect fit! For more on our custom arms see page 150.

And true to its name, Bob also 'Frankensteined' components of SPC's FastTrax™ for the side window mechanisms.

Frankenrat even went international on the build, the rat 'mascot' was discovered by Bob's wife Cindi, and imported from France!

Parts

94210

MUSTANG ADJUSTABLE ARM - 2ND GEN

Modernize your early Ford and Mercury front suspension by installing adjustable upper control arms from SPC. SPC has built in 3° of caster to improve return to center with today's radial tires. The camber curve has been optimized by utilizing "Shelby Drop" geometry in the billet aluminum cross shaft. The arm pivots are our maintenance-free **xAxis™ Sealed Flex Joints** for tight, responsive handling. Camber can be set to 0°, -1°, or -2° for superior cornering. Use this arm with either an OE style spring/shock or an aftermarket coilover kit. SPC's arm comes equipped with a stock style ball joint and all mounting hardware.

Front Adjustment range:
Camber +.75° to -2.00°*
Caster +1.00° to +5.00°*

* **When combined with factory Adjustment**

Installation time: 0.7 hr/side

Required: 1 per wheel

APPLICATIONS

Ford: 1967 - 73 Mustang
1966 - 69 Fairlane
1966 - 69 Falcon
1970 - 77 Maverick
1966 - 71 Ranchero
1966 - 71 Torino

Mercury: 1966 - 77 Comet
1967 - 73 Cougar
1966 - 71 Cyclone



Replacement Ball Joint
Available #94009 pg. 127

94215

MUSTANG ADJ. ARM AND CASTER ROD - 1ST GEN

Modernize your '64.5 to '66 Ford front suspension by installing an adjustable upper control arm and adjustable strut rod from SPC. SPC has built 3° of caster into the upper arm to improve return to center with today's radial tires.

The adjustable strut rod features low durometer OE-style bushings to protect the chassis mount and allows for easy caster adjustment, similar to later Ford vehicles. The camber curve on the adjustable arm has been optimized by building Shelby Drop geometry into the billet aluminum cross shaft. Camber can be adjusted by positioning the ball joint plate to 0°, -1°, or -2° and kit includes .25° and .50° shims for fine-tuning. Use this arm with either an OE style spring/shock or an aftermarket coilover kit. SPC's arm comes equipped with a stock style ball joint and all of the mounting hardware.

Front Adjustment range:
Camber +0.75° to -2.00°
Caster +1.00° to +5.00°

Installation time: 1.5 hr/side

Required: 1 per wheel

APPLICATIONS

Ford: 1964.5 - 66 Mustang
1964 - 65 Falcon
1964 - 65 Ranchero

Mercury: 1964 - 65 Comet
1964 - 65 Cyclone

Replacement Ball Joint Available #94009
pg. 127



94220

MUSTANG ADJUSTABLE CASTER ROD - 1ST GEN

If you are running modern radial tires you should not follow factory alignment specifications for caster, SPC recommends 3° of caster to promote return to center steering. Stock strut rods on 1st generation Mustangs are non-adjustable and often have worn bushings that can cause unwanted movement of the lower rod assembly and poor handling. A must for early Mustangs, SPC's adjustable caster rod features low durometer OE-style bushings to protect the chassis mount from damage and has easy caster adjustment.

This adjustable strut rod will provide the positive caster needed for improved tracking and modern geometry. If you want additional caster or want to adjust camber, check out SPC control arm kit #94215 (above).

Front Adjustment range:
Caster ±2.00°

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Ford: 1964.5 - 66 Mustang
1964 - 65 Falcon
1964 - 65 Ranchero

Mercury: 1964 - 65 Comet
1964 - 65 Cyclone



Featured Owner: David Cox

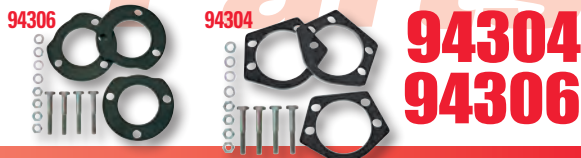
David Cox restores classic Mustangs and provided our test platform for our 94215 adjustable front arm and caster rod. Dave's feedback on the new set-up was great, "The handling on these older cars is really lacking, but SPC's arms improved tracking, added additional adjustability and are well built."



ADJUSTABLE ARM SPACER KITS

Ball Joint Spacers raise the arm to improve frame clearance.
Three 1/4" spacers and hardware.

94304 For all except Corvette C2/C3 **94306** For C2/C3 Corvette



Front Fixed Change: Caster +1.00°
Install. time: 1.2 hr/side Required: 1 per axle

Pro Springs #94391/94392 (pg. 130)
Coilover Mount/Spacer Kit #94346/94348 (below)
Coilover Mounts augment coil stability on SPC's tubular lower arms

APPLICATIONS

- Buick:** 1964 - 72 GS, Skylark, Special
- Chevrolet:** 1964 - 72 Chevelle, El Camino, Malibu
1970 - 72 Monte Carlo
- Oldsmobile:** 1964 - 72 442, Cutlass
- Pontiac:** 1964 - 72 GTO, LeMans
1964 - 70 Tempest



**94016 - Premium Upgrade
Extended Length Ball Joint**
- see page 127

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. Check out the optional OE style bump stop (#95339 pg 131).



**SPC
PERFORMANCE**

Front Adjustment range: Camber
±3.00° Caster ±3.00°
Installation time: .7 hr/side
Required: 1 per wheel

APPLICATIONS

Model/Year	Arm	Style
1965-70 Belair, Biscayne, Caprice, Impala Inc. Ball Joint	94356	Street R or L
C2/C3 (1963-82)	94360	Street R or L
C2/C3 (1963-82)	92740	Race R or 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 & Chevy Adjustable Upper Control Arms

Adjust camber and caster for maximum handling and performance with our adjustable arms for Corvettes, Belairs, Biscaynes, Caprices and Impalas. Arms include a steel cross shaft with street style or race pivots and ball joint plate. **Sold as individual arms.**

Street Style:
Includes Steel Cross Shaft with Custom Pivots and OE style rubber (minimal deflection) pivots.
Race Style:
Steel Cross Shaft with Offset Race Pivots w/Delrin Inserts.



**Corvette
Arm**

#94356

**SPC
PERFORMANCE**

New, upgraded threaded chromoly cross shafts accept both standard and premium pivots



Optional Premium Low-Friction Offset Pivots with Greaseable Delrin Sleeves, optimizing your suspension with race-type quality. Part No. 92025



Optional Ball Joints (not included - Pg 127)
#94350/51 & #94360 uses #94003
#94368/69 and #94370/71 uses #94007

Optional #94304, #94306 Spacer Kits (above)

APPLICATIONS

1st Gen. 'F' Bodies

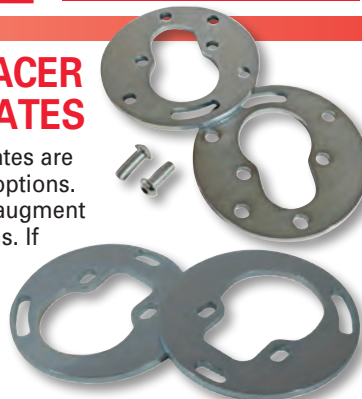
94348 2 Spacers
94346 4 Spacers

2nd Gen. 'F' Bodies & 'G' Bodies

95338 2 Spacers
95332 4 Spacers

COILOVER MOUNT/SPACER PLATES

These Flat Coil Spring Mount/Spacer Plates are designed to maximize your ride height options. Use these plates as coilover mounts to augment coil stability on SPC's tubular lower arms. If you need to fine-tune your ride height these plates can also be stacked to change height. Use one spacer per side to add 1/2" or add two spacers per side to gain about 1" in ride height.



**94346
94348**

**95332
95338**

94374**1ST GEN. GM 'F' LOWER ARMS (PR)**

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 spacer and Coilover Mounts are available. To complete your arm add an OE style bump stop (#95339 page 131).

Installation time: 1.2 hr/side

Required: 1 per axle

**APPLICATIONS**

Pro Springs #94393 (below)
Coilover Mount/Spacer Kit #94346/94348 (pg. 129)
Coilover Mounts augment coil stability on SPC's tubular lower arms

Buick: 1973 - 74 Apollo
Chevrolet: 1967 - 69 Camaro
 1968 - 74 Nova
Pontiac: 1967 - 69 Firebird

94378**2ND GEN. GM 'F', 'B' LOWER ARMS (PR)**

Our 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 spacer and Coilover Mounts are available. **Note: Shown with an optional OE style bump stop (#95339 page 131).**

Installation time: 1.2 hr/side

Required: 1 per axle

**APPLICATIONS**

Pro Springs #94394 (below)
Coilover Mount/Spacer Kit #95332/95338 (pg. 129)
Coilover Mounts augment coil stability on SPC's tubular lower arms

Buick: 1971 - 85 LeSabre;
 1973 - 77 Century, Regal; 1975 - 79 Skylark
Chevrolet: 1970 - 81 Camaro; 1971 - 96 Caprice
 1973 - 77 Chevelle; 1973 - 77 El Camino, Malibu,
 Monte Carlo; 1971 - 96 Impala; 1975 - 79 Nova
Oldsmobile: 1973 - 77 Cutlass; 1975 - 79 Omega
 1971 - 85 88
Pontiac: 1971 - 81 Bonneville; 1970 - 81 Firebird
 1973 - 75 Grand Am; 1973 - 77 Grand Prix, LeMans

94390**94391****94392****94393****94394**

94391 pictured

Pro Springs

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 Spacers (page 129).

Make	Model (<i>Springs rated for small block only</i>)	Spring Rate	Pro Springs	Ride Height Spacers
'A' Body - Set of 4 Springs - Front and Rear				
Buick	GS, Skylark, Special (64-67)	550/165	94391	94332/95338
Buick	GS, Skylark, Special (68-72)	550/112-188	94392	94332/95338
Chevrolet	Chevelle, El Camino, Malibu (64-67)	550/165	94391	94332/95338
Chevrolet	Chevelle, El Camino, Malibu, Monte Carlo (68-72)	550/112-188	94392	94332/95338
Oldsmobile	442, Cutlass, Cutlass Supreme (64-67)	550/165	94391	94332/95338
Oldsmobile	442, Cutlass, Cutlass Supreme (68-72)	550/112-188	94392	94332/95338
Pontiac	GTO, LeMans, Tempest (64-67)	550/165	94391	94332/95338
Pontiac	GTO, LeMans, Tempest (68-72)	550/112-188	94392	94332/95338
'F' Body - Set of 2 Springs - Front Only				
Buick	Apollo (73-74)	500	94393	94332/95338
Chevrolet	Camaro (67-69); Nova (68-74)	500	94393	94332/95338
Pontiac	Firebird (67- 69)	500	94393	94332/95338
Chevrolet	Camaro (70-81)	577	94394	94346/95348
Pontiac	Firebird (70-81)	577	94394	94346/95348
'G' Body - Set of 4 Springs - Front and Rear				
Buick	Grand National, Regal (78-87)	675/114-188	94390	94346/95348
Chevrolet	El Camino, Malibu, Monte Carlo (78-88)	675/114-188	94390	94346/95348
Oldsmobile	Cutlass, Cutlass Supreme (78-88)	675/114-188	94390	94346/95348
Pontiac	Bonneville (83-86); Grand Am (78-80) Grand Prix (78-88); LeMans (78-81)	675/114-188	94390	94346/95348

*Drop amount may vary depending on vehicle weight, options, etc.)

Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$
 Installation time: .7 hr/side Req.: 1 per wheel

APPLICATIONS

☐ & ☐ 94450 RIGHT 94451 LEFT

Dodge: 1962 - 65 All Passenger (except 880)
 1970 - 74 Challenger; 1966 - 72 Charger
 1965 - 72 Coronet (Incl. Super Bee)

Plymouth: 1962 - 64 All Passenger
 1970 - 74 Barracuda
 1965 - 70 Belvedere; 1967 - 71 GTX
 1968 - 72 Road Runner
 1965 - 72 Satellite

**☐ 94460 RIGHT
 94461 LEFT**

Dodge: 1973 - 76 Dart
Plymouth: 1973 - 75 Valiant

MOPAR 'A', 'B' & 'E' BODY ADJ. CONTROL ARM

Right 94450
Left 94451
Right 94460
Left 94461

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.



Front Fixed Change:
 Caster $+1.00^\circ$

Installation time: 1.2 hr/side
 Required: 1 per axle

Pro Springs #94390 (pg. 130)
Coilover Mount/Spacer Kit #95332/95338 (pg. 129)
Coilover Mounts augment coil stability on SPC's tubular lower arms

APPLICATIONS

Buick: 1978 - 87 Grand National, Regal
Chevrolet: 1978 - 88 El Camino; 1978 - 83 Malibu
 1978 - 88 Monte Carlo
 1982 - 04 Blazer S Series, Jimmy S Series,
 S10/S15 Pickup/Sonoma (RWD)

Oldsmobile: 1978 - 88 Cutlass
Pontiac: 1982 - 86 Bonneville; 1978 - 80 Grand Am
 1978 - 87 Grand Prix; 1978 - 81 LeMans



94018 - Premium Upgrade Extended Length Ball Joint - see page 127

GM 'G' BODY LOWER CONTROL ARMS (PR)

95336

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 Coilover Mount/Spacer Kits are available for use with our Pro Series Springs or 'standard type' springs to raise the ride height if desired (#95332/95338). To complete your arm you can also add an OE style bump stop (#95339 below).



95338 Height Tuning Kit w/aluminum spring seat

For SPC Arms ☐ Body LCAs with a urethane spring seat, see page 129.

GM REPLACEMENT BUMP STOP

OE cone style to replace worn bump stops.



SPC PERFORMANCE

95339

Front Adjustment range:
 Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side
 Required: 1 per axle

97150 APPLICATIONS

Chevrolet: 1958 - 64 Bel Air, Biscayne, Caprice, Impala
 1958 - 63 El Camino

97170 APPLICATIONS

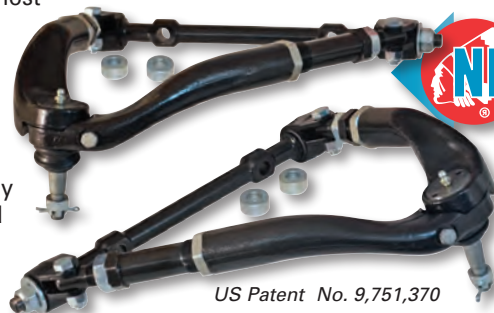
Chevrolet: 1955 - 57 Tri-5

Stud Taper 7.12°
 To replace or customize your ball joint see page 132

GM TRI-5 / 3RD-5TH GENERATION FULL SIZE ADJ. UPPER CONTROL (PR)

97150
97170

Use this patented design with the most adjustability and best clearance of any arm on the market to modernize the front suspension on your classic Chevy. SPC uses a 1/2" extended ball stud to improve camber curve, now adjust in some caster and a bit of camber and enjoy the drive. The fully rebuildable and greasable ball joints can also be customized for your ride with available OE length and 1/4" extended studs. **Sold as pairs.**



US Patent No. 9,751,370

SPC PERFORMANCE

Parts

SPC PERFORMANCE

GM Muscle Car Adjustable Upper Control Arms



US Patent No.
9,751,370

'A' BODY

97110

Pair



Stud Taper 7.12°

Lower Arms page 129, Pro Springs page 130

Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Required: 1 per axle

APPLICATIONS

Buick: 1964 - 72 GS, Skylark, Special
Chevrolet: 1964 - 72 Chevelle, El Camino, Malibu
 1970 - 72 Monte Carlo
Oldsmobile: 1964 - 72 442, Cutlass
Pontiac: 1964 - 72 GTO, LeMans; 1964 - 70 Tempest

1ST GEN. 'F' BODY

97120

Pair



Stud Taper 7.12°

Lower Arms page 130, Pro Springs page 130

Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Required: 1 per axle

APPLICATIONS

Buick: 1973 - 74 Apollo
Chevrolet: 1967 - 69 Camaro; 1968 - 74 Nova
Pontiac: 1967 - 69 Firebird

2ND GEN. 'F' BODY 'B' BODY

97130

Pair



Stud Taper 9.5°

Lower Arms page 130, Pro Springs page 130

Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Required: 1 per axle

APPLICATIONS

Buick: 1971 - 85 LeSabre; 1973 - 77 Century, Regal
 1975 - 79 Skylark
Chevrolet: 1970 - 81 Camaro; 1973 - 96 Caprice
 1973 - 77 Chevelle; 1973 - 77 El Camino, Malibu,
 Monte Carlo; 1973 - 96 Impala; 1975 - 79 Nova
Oldsmobile: 1973 - 77 Cutlass; 1975 - 79 Omega,
 1971 - 85 88
Pontiac: 1971 - 76 Bonneville; 1970 - 81 Firebird
 1973 - 75 Grand Am; 1973 - 77 Grand Prix, LeMans

'G' BODY

97140

Pair



Stud Taper 9.5°

Lower Arms page 131, Pro Springs page 130

Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Required: 1 per axle

APPLICATIONS

Buick: 1978 - 87 Grand National, Regal
Chevrolet: 1978 - 88 El Camino; 1978 - 83 Malibu
 1978 - 88 Monte Carlo
 1982 - 04 Blazer S Series, Jimmy S Series,
 S10/S15 Pickup/Sonoma (RWD)
Oldsmobile: 1978 - 88 Cutlass
Pontiac: 1982 - 86 Bonneville; 1978 - 80 Grand Am
 1978 - 87 Grand Prix; 1978 - 81 LeMans

Ball Joint Rebuild Kits

With SPC's rebuild kit you can replace the ball joint or customize the stud length for ride height altered vehicles. Includes: ball joint boot, ball stud, ball joint race, washer, wave spring, castle nut, cotter pin.

 **72120 - Spanner Wrench, pg 165**

Ball Joint #	Taper	Stud Length	Fits Part #	Ball Joint #	Taper	Stud Length	Fits Part #
97001	7.12°	OE length	97110, 97120	97004	9.5°	OE length	
97002	7.12°	+0.25" stud	97150, 97170	97005	9.5°	+0.25" stud	97130, 97140
97003	7.12°	+0.50" stud		97006	9.5°	+0.50" stud	



Bring modern handling and adjustability to your classic GM 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.

ADJUSTABLE UPPER CONTROL ARMS

This patented design will give you the most adjustability and best clearance of any arm on the market. Sold as a pair, these adjustable arms come with ball studs that are 1/2" taller than stock to improve camber curve. Throw in some caster and the ability to tune camber and you will have a 'modern' feeling suspension. The ball joints are grease-able and rebuildable. *Sold as pairs see previous page.*

'A' BODY

Buick: GS, Skylark Special

Chevrolet: Chevelle
El Camino
Malibu
Monte Carlo

Oldsmobile: 442, Cutlass

Pontiac: GTO
LeMans, Tempest

97110 Pair



TUBULAR LOWER ARMS

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 Springs or 'standard type' springs to raise the ride height if desired. If you have coilovers use our Coilover Mount and Spacer Plate. Includes stock lower ball joint. *Sold as pairs see pages 129-131.*

94344 Pair



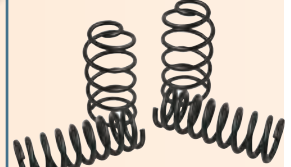
Coilover Mount/
Spacer Kit #94346/94348

Premium Upgrade Extended
Length Ball Joint #94016

PRO SPRINGS

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 optimum return rates. *Sold as package see page 130.*

Set of 4 Springs Front and Rear



94391 164-167 A Body
94392 168-175 A Body

1ST GEN. 'F' BODY

Buick: Apollo
Chevrolet: Camaro
Nova
Pontiac: Firebird



97120 Pair



94374 Pair



Coilover Mount/
Spacer Kit #94346/94348

Set of 2 Springs Front only



94393 1st Gen.
F Body

2ND GEN. 'F' BODY

Buick: Century
LeSabre, Regal
Skylark
Chevrolet: Camaro
Caprice, Chevelle
El Camino
Impala, Malibu
Monte Carlo, Nova
Oldsmobile: C88, Cutlass
Omega
Pontiac: Bonneville
Firebird, Grand Am
Grand Prix, LeMans

97130 Pair



94378 Pair



Coilover Mount/
Spacer Kit #95338/95332

Set of 2 Springs Front only



94394
2nd Gen. F
Body

'G' BODY

Buick: Grand
National, Regal
Chevrolet:
Blazer & Jimmy S
El Camino, Malibu
Monte Carlo
Pickup/Sonoma
S10/S15
(RWD)
Oldsmobile: Cutlass
Pontiac: Bonneville
Grand Am
Grand Prix, LeMans

97140 Pair



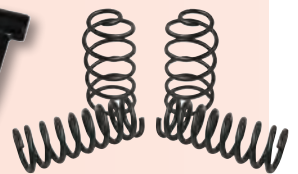
95336 Pair



Coilover Mount/Spacer Kit
#95338/95332

Premium Upgrade Extended
Length Ball Joint #94018

Set of 4 Springs Front and Rear



94390 G Body



Heavy Duty

HEAVY DUTY

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index



36000

Tandem Alignment Set A great starter set!

These alignment angle shims are 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 on pages 135 and 137) and an organization chart inside the lid to make reordering and organization of shims quick and easy. Don't be caught without the shim you need while you have the tractor in your shop!



Part No.	Application	Qty	Part No.	Application	Qty
35001	Kenworth Airglide space 1/32"	6	35040	Navistar IHC Torque Arm 1/32"	6
35002	Kenworth Airglide space 1/16"	6	35041	Navistar IHC Torque Arm 1/16"	6
35003	Kenworth Airglide space 1/8"	6	35042	Navistar IHC Torque Arm 1/8"	6
35004	Kenworth Airglide space 1/4"	6	35060	Freightliner Airliner Susp 1/32"	6
35005	Kenworth Airglide space 1/2"	6	35061	Freightliner Airliner Susp 1/16"	6
35006	Kenworth Airglide space 3/4"	6	35062	Freightliner Airliner Susp 1/8"	6
35007	Kenworth Airglide space 1"	6	36020	Navistar Corp. 6x4 Air Susp. 1/32"	6
35010	Peterbilt Air Leaf Shim 1/32"	6	36021	Navistar Corp. 6x4 Air Susp. 1/16"	6
35011	Peterbilt Air Leaf Shim 1/16"	6	36022	Navistar Corp. 6x4 Air Susp. 1/32"	6
35012	Peterbilt Air Leaf Shim 1/8"	6	36087	Hendrickson Rear Tandem Walking Beam	10

Tandem Truck Shims

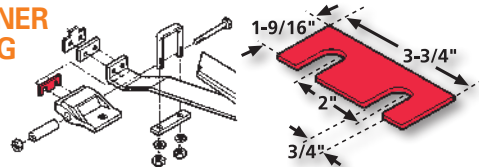
These over-the-road heavy duty adjusters are a fast and accurate means to align front or rear axles of most popular tandem trailers and trucks. You, the alignment technician, now have reliable means to complete total heavy duty truck alignments.

KENWORTH AIR GLIDE SPACERS FOR "EIGHT BAGGERS"



Part No.	Thickness	Qty	Part No.	Thickness	Qty
35001	1/32"	6	35005	1/2"	6
35002	1/16"	6	35006	3/4"	6
35003	1/8"	6	35007	1"	6
35004	1/4"	6			

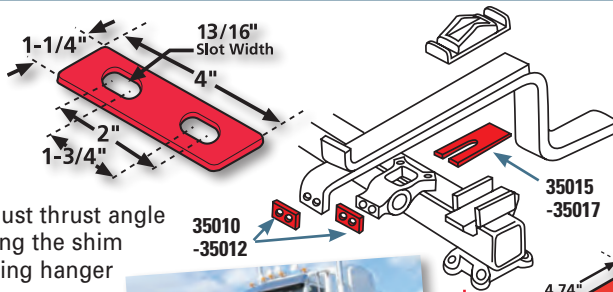
FREIGHTLINER ADJUSTING SHIM



These shims adjust thrust angle and toe by placing it between the spring hanger and the spring.

Part No.	Thickness	Qty
35020	1/32"	6
35021	1/16"	6
35022	1/8"	6

PETERBILT AIR LEAF THRUST ANGLE SHIM



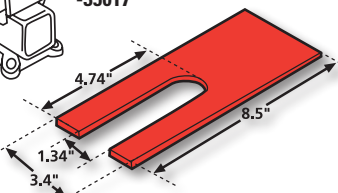
These shims adjust thrust angle and toe by placing the shim between the spring hanger and the spring.

Part No.	Thickness	Qty
35010	1/32"	6
35011	1/16"	6
35012	1/8"	6



PETERBILT AIR LEAF PINION ANGLE SHIM

Adjust pinion angle on the drive axle of your Peterbilt Low Air Leaf with 'Z-Springs' using these shims. The OE shim is aluminum and does not last under load; the SPC Zinc Shim is built to last.

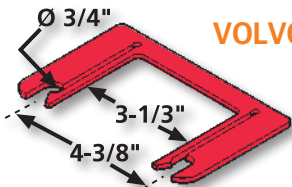


Part No.	Angle Change	Qty
35015	1.0°	2
35016	1.5°	2
35017	2.0°	2



We have parts and tools for Fleet Vehicles - check out our application charts (pages 7 - 64).

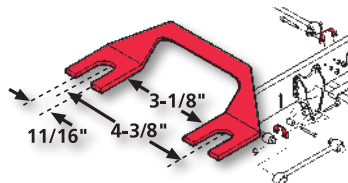
Heavy Duty Tandem Truck Shims



VOLVO/WHITE TANDEM SHIM

Part No.	Thickness	Qty
35030	1/32"	6
35031	1/16"	6
35032	1/8"	6

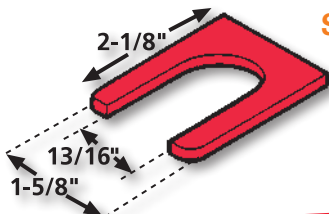
These shims adjust thrust angle and toe by placing it between the spring hanger and the spring.



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.



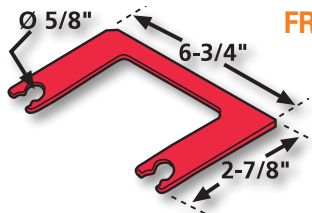
SINGLE SLOT TANDEM TRUCK SHIMS

USE ON TENZA BUS UPPER CONTROL ARM FOR CAMBER/CASTER

USE FOR FREIGHTLINER "AIRLINER" K77936 SUSPENSION

Part No.	Thickness	Qty
35060	1/32"	6
35061	1/16"	6
35062	1/8"	6

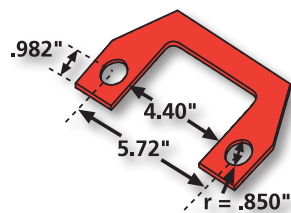
These universal shims are installed at the ends of torque rods to change toe and/or thrust angles on **Freightliner**, **Hendrickson** and **Navistar** heavy duty tandem trucks and trailers. Also adjusts camber and/or caster on **Tenza Bus** front upper control arms.



FREIGHTLINER SHIMS FOR AIR GLIDE SUSPENSION

Part No.	Thickness	Qty
35070	1/32"	6
35071	1/16"	6
35072	1/8"	6

These shims adjust thrust angle and toe by placing the shim between the spring hanger and the spring.



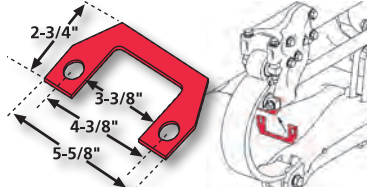
PETERBILT/KENWORTH THRUST ANGLE SHIMS

Part No.	Thickness	Qty
36001	1/32"	6
36002	1/16"	6
36003	1/8"	6

These shims are for the new Peterbilt and Kenworth "Low Air Suspensions".

LOOKING FOR HENDRICKSON SHIMS?

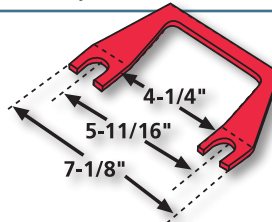
We have a large selection of shims for Hendrickson's HTBs and Walking Beams - see page 137.



PETERBILT/KENWORTH FLEX AIR SUSPENSION SHIMS

Part No.	Thickness	Qty
36010	1/32"	6
36011	1/16"	6
36012	1/8"	6

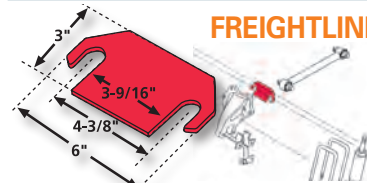
By shimming the torque arms these shims adjust toe and thrust angle.



NAVISTAR SHIM FOR "CORPORATE" 6x4 AIR SUSPENSION

Part No.	Thickness	Qty
36020	1/32"	6
36021	1/16"	6
36022	1/8"	6

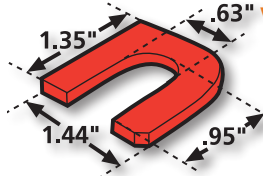
When used on the lateral link these shims will center the axle with the frame rails. Also will adjust thrust angle and toe by placing the shim between the spring hanger and the spring.



FREIGHTLINER SHIMS FOR FAS II SUSPENSIONS

Part No.	Thickness	Qty
36031	1/16"	6
36032	1/8"	6

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.



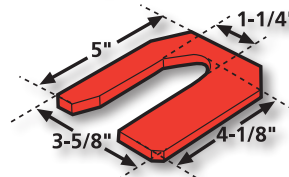
VANHOOL LOWER CONTROL ARM & BOGEY AXLE SHIM

Part No.	Thickness	Qty
36040	1/32"	6
36041	1/16"	6
36042	1/8"	6



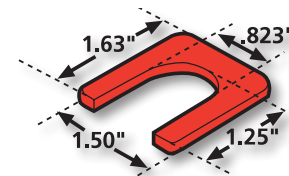
VANHOOL UPPER CONTROL ARM & DRIVE AXLE SHIM

Part No.	Thickness	Qty
36050	1/32"	6
36051	1/16"	6
36052	1/8"	6



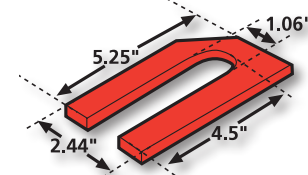
PREVOST CASTER SHIM

Part No.	Thickness	Qty
36060	1/32"	6
36061	1/16"	6
36062	1/8"	6



PREVOST CASTER SHIM

Part No.	Thickness	Qty
36070	1/32"	6
36071	1/16"	6
36072	1/8"	6

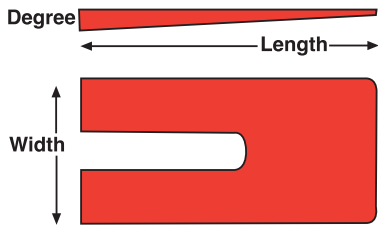


PREVOST X & XL SHIM

Part No.	Thickness	Qty
36090	1/32"	6
36091	1/16"	6
36092	1/8"	6

Heavy Duty Truck Axle Shims

Applications
Alignment Parts
Heavy Duty
OE Replacement
Racing/Builders
Tools
Accessories
Brake and CV
Gear/Index



	COST	COMPRESSION STRENGTH	HARDNESS
ALUMINUM ALLOY	\$\$	★★★	★★★★
ZINC ALLOY	\$\$\$	★★★★★	★★★★★★
MANGANESE BRONZE ALLOY	\$\$\$\$\$	★★★★★★	★★★★★★

Ordering one Part Number supplies **SIX SHIMS** in a box. When placing order spring pad length and width is needed.

Choose from Aluminum, ZINC and Manganese Bronze Shims

ALUMINUM ALLOY	ZINC ALLOY	MANGANESE BRONZE	SPRING WIDTH	DEGREE	SPR. PAD LENGTH	QTY/ BOX
10405	10403	10404	2-1/2"	1/2°	5"	6
10412	10413	10414	2-1/2"	1°	5"	6
10422	10423	10424	2-1/2"	1-1/2°	5"	6
10432	10433	10434	2-1/2"	2°	5"	6
10442	10443	10444	2-1/2"	2-1/2°	5"	6
10452	10453	10454	2-1/2"	3°	5"	6
10462	10463	10464	2-1/2"	3-1/2°	5"	6
10472	10473	10474	2-1/2"	4°	5"	6
10505	10503	10504	3"	1/2°	6"	6
10512	10513	10514	3"	1°	6"	6
10522	10523	10524	3"	1-1/2°	6"	6
10532	10533	10534	3"	2°	6"	6
10542	10543	10544	3"	2-1/2°	6"	6
10552	10553	10554	3"	3°	6"	6
10562	10563	10564	3"	3-1/2°	6"	6
10572	10573	10574	3"	4°	6"	6
10605	10603	10604	3-1/2"	1/2°	6-1/4"	6
10612	10613	10614	3-1/2"	1°	6-1/4"	6
10622	10623	10624	3-1/2"	1-1/2°	6-1/4"	6
10632	10633	10634	3-1/2"	2°	6-1/4"	6
10642	10643	10644	3-1/2"	2-1/2°	6-1/4"	6
10652	10653	10654	3-1/2"	3°	6-1/4"	6
10662	10663	10664	3-1/2"	3-1/2°	6-1/4"	6
10672	10673	10674	3-1/2"	4°	6-1/4"	6
10705	10703	10704	4"	1/2°	6-1/2"	6
10712	10713	10714	4"	1°	6-1/2"	6
10722	10723	10724	4"	1-1/2°	6-1/2"	6
10732	10733	10734	4"	2°	6-1/2"	6
10742	10743	10744	4"	2-1/2°	6-1/2"	6
10752	10753	10754	4"	3°	6-1/2"	6
10762	10763	10764	4"	3-1/2°	6-1/2"	6
10772	10773	10774	4"	4°	6-1/2"	6
10782	10783	--	4"	5°	6-1/2"	6

Specialty Products carries Truck Axle Caster Shims in three different alloys, giving the technician the opportunity to match price point and mechanical requirements to meet their customer's needs.

Note: Shims should not be stacked.

ALUMINUM ALLOY HD SHIMS

These economical over-the-road heavy duty truck axle shims are our lowest cost option. With average compression strength and hardness these shims are available in a large variety of sizes and offer the technician a cost effective means to correct caster on over-the-road trucks and trailers.



ZINC ALLOY HD SHIMS

These over-the-road heavy duty truck axle shims are a fast and accurate means to align front or rear axles of most popular tandem trailers and trucks. Specialty Products' new Zinc Alloy shims offer another level of performance versus our traditional aluminum shims. For a small cost increase versus aluminum, you now have the hardness of our premium manganese bronze shims and a much improved compression strength as compared to aluminum shims.



MANGANESE BRONZE HD SHIMS

These shims are the standard. Top of the line compression strength and hardness means that when you set your alignment - it doesn't change.



NOTE - if you are using "Z Blocks" or other axle spacers you need to spread the load to prevent the shim from crushing. Check out SPC's HD Axle Spacer Plate below to solve this common problem.

10598
10698
10798



HD AXLE SPACER PLATE (6)

Spread the load! "Z" Blocks and other axle spacers used by Hendrickson, Freightliner, Kenworth, Mack, Hollis, Sterling, Ford, and others create pressure points that will crush or even break the toughest of caster wedges. Use this HD Wedge Spacer Plate to spread the load and then use the caster shim of your choice to modify alignment. The 1/8" thick plates come 6 to a pack and are available in three widths. The HD Wedge Spacer Plate can also be used to dial in ride height from side to side.

#10598 - 3" Wide • #10698 - 3.5" Wide
#10798 - 4" Wide

Heavy Duty Truck Axle Shims

ZINC TRUCK AXLE SHIMS

80199-81099

These popular heavy-duty axle shims are for vehicles with 1-3/4" to 2" wide leaf springs. **APPLICATIONS:** Any solid axle 2WD or 4WD vehicle.

Note: Shims should not be stacked.

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



Note: Ordering one Part Number supplies six shims in a box.

UNI-WEDGE SHIMS (HD ZINC ALLOY)

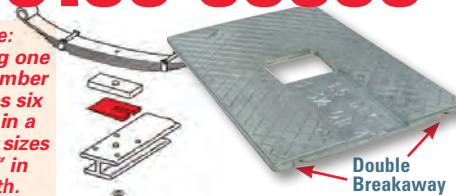
Twice the coverage - half the inventory. Changes caster positive or negative from 1/2° to 4°. **APPLICATIONS:** Any solid axle 2WD or 4WD vehicle.

Note: Shims should not be stacked.

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

89199-89899

Note: Ordering one Part Number supplies six shims in a box. All sizes are 6" in length.



Part No.	Thickness	Qty
35035	1/32"	6
35036	1/16"	6
35037	1/8"	6

35035, 35036, 35037
Adjustment: Torque Arm

35038

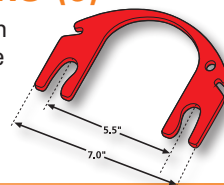
Adjustment: Torque Box

APPLICATIONS

Hendrickson HTB: 2007 & Up
International: 2007 & Up
Spartan: 2007 & Up

HENDRICKSON (HTB) TORQUE ARM SHIMS (6)

Adjust the Hendrickson (HTB) Torque Arm with these replacement shims. Shims are available in a variety of thicknesses to meet your needs. Sold in boxes of 6 shims. Adjust torque box with the 35038 shim set (below).



35035

35036

35037

HENDRICKSON (HTB) TORQUE BOX ADJUSTMENT SET (10)

Adjust the Hendrickson HTB torque box with this full set of 10 replacement shims. The shim set includes 4 of the 1/32" shims, 4 of the 1/16" shims, and also 2 of the 1/8" shims to give you a full range of adjustment. Need to adjust the torque arm as well? Try our 35035, 35036, or 35037 shims (above).



35038

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.

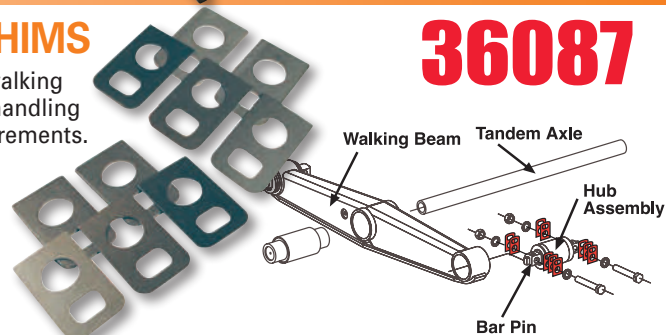
REPLACES these OE kits-

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

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
32116

SPC 'EZ ON' Wheel Centering Tool Set

Stop wheel hop and vibrations on hub piloted wheels! Hub pilot 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 manufacturer's specifications.

- 32111** OTR Vehicles
22mm
- 32115** Ford F450/F550
Super Duty
14mm
- 32116** Alcoa Wheels
made in
Hungary
22mm



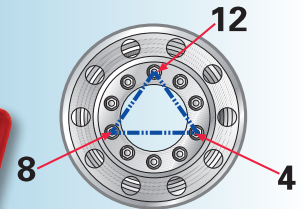
Our threadless design allows the installer to quickly and easily center the wheels to the hub. And our tapered design makes it easy to mount the wheel over the hub.

Features

- Threadless Design
- Tapered Nose
- Single Set

Benefits

- Saves Installation Time
- Eases Wheel Mounting
- For Steer, Drive & Trailer Axles

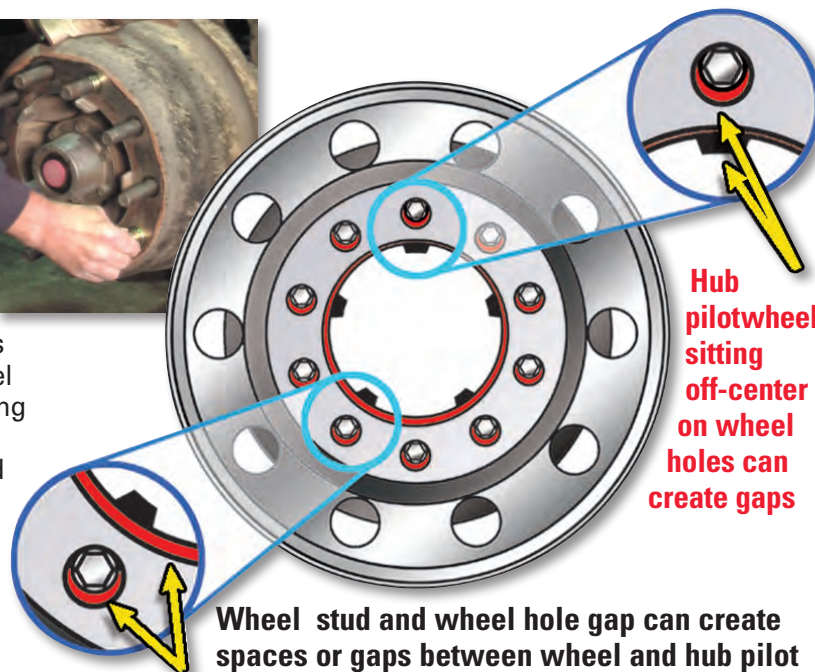


Heavy Duty WHEEL CENTERING PRODUCTS

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 that 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.



Hub pilot wheel sitting off-center on wheel holes can create gaps

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 - a great 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
19.5mm Steer Wheel - Brake Drum Type				
'TAG' axles with Accu-Ride 19.5" wheels.	1.00" hole/up to .5 depth	32131		6

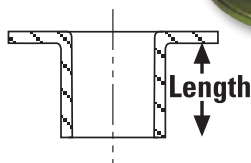
Heavy Duty

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

WHEEL CENTERING ACCESSORIES

These accessories will make installing our centering sleeves fast and easy.

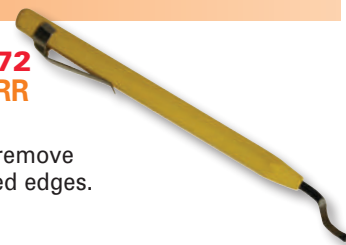
#33171 ELECTRIC DRILL WIRE BRUSH

Use to clean holes before mounting.



#33172 DEBURR KNIFE

Use to remove damaged edges.



20106



HEAVY DUTY WHEEL CENTERING TOOLS - EDUCATION COUNTER MAT

Create extra sales at the counter with this great teaching tool from SPC. This high quality mat explains the problems caused by off-centered wheel and the benefits of using our Wheel Centering Sleeves and includes a quick guide to our Axle and Tandem Shims on the reverse. 11" x 17"

Heavy Duty

TOOLS 64225

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.



UNIVERSAL RADIAL RUN-OUT GAUGE

64250

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.



Tire Radial Run-Out

- Measures out of round condition which can cause front end vibration
- Pinpoints high and low spots in the tire

Suspension/Ball Joint Play

- Measure kingpins, ball joints and tie rod end axial and radial play
- Use extender rods for hard to reach areas

Wheel Lateral Run-Out

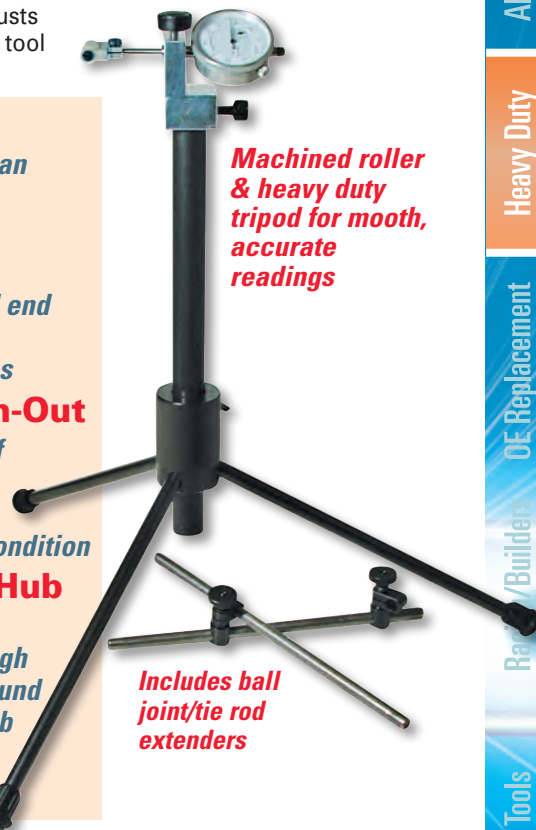
- Check for bent or out of round wheels
- Out of round wheels may cause a shimmy condition

Brake Rotor and Hub Run-Out

- Measure brake rotor high spots and out of round
- Measure hub radial play

Also measures ball joint play (set-up pictured) and tie rod play

33174 - Replacement Gauge - Page 177



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.



75580 75585

SPC has a variety of Torque Stix and Extensions perfect for fleet maintenance, from Ford HD F150s and Super Duties to Dodge BR2500 and BR3500s. See page 166.



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

Heavy Duty

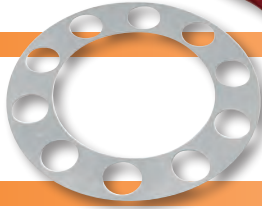
TOOLS
83788



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.



Perfect to add to your PMs - Check your alignment in just 5 minutes!!!!



- *The most expensive costs 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!***

91800



HEAVY DUTY TURNTABLES (PAIR)

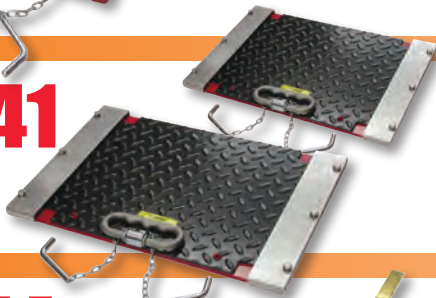
Full floating with enclosed ball bearings. Large, easy to read dial is quickly adjusted to zero. Pins are easy to remove and lock plates securely. May be used as portable floor units or on racks and pits. Sold in pairs.

Dimensions: 15" x 20" x 2"
Weight Limit: 10,000 lbs/wheel

Unit Weight: 53 lbs each
Range: 100°

PT0750-14 - Replacement bearings - Order 176 for 2 Turntables

91841

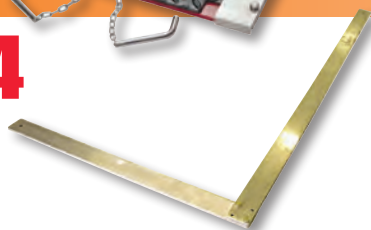


TRUCK FRONT SLIP PLATE SET (PAIR)

This slip plate set is used in conjunction with the 99515 (see page 141) 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.

91844



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"

Heavy Duty

TOOLS 91860

S-CAM BUSHING EXTRACTOR

Great tool for any Heavy Duty shop that works on low boys, reefers, 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.



Dimensions:
1-7/9" OD • 1-3/8" ID

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

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



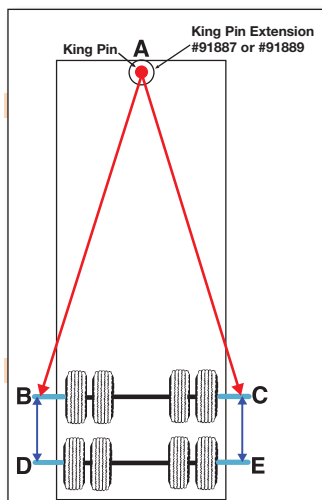
91887

TRAILER KINGPIN EXTENSION

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).



91889



Maximum Height 48"
3" Spring Motion 6 Adjustments in 2" Increments

TANDEM AXLE TRACKER

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".



91888

TANDEM TRACKER SET FOR ALUMINUM WHEELS

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 they 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.



91890

Place kingpin extension #91887 or #91889 under kingpin (A). Place appropriate tandem tracker (#91887, #91890 or #91999) onto tandem wheels (B & D). Measure A to B. Next, measure B to D. Write down measurements and repeat using A to C and C to E. Measurements A to B should equal A to C and measurements B to D should equal C to E.

TANDEM TRACKER TOOL FOR HUB PILOTED WHEELS

Quickly take tandem axle measurements with this innovative heavy duty alignment tool. Simply thread the tool onto two opposing lug studs, then tighten down the centerline indicator and measure from the kingpin to get your measurements. This tool saves time and money over traditional alignment methods and is compatible with both 8 and 10 lug hub piloted tandem axles. Recommended to be used with SPC #91889 kingpin extension tool or similar.



91999



Applications
Alignment Parts
Heavy Duty
OE Replacement
Racing/Builders
Tools
Accessories
Brake and CV
Gear/Incl

Heavy Duty

TOOLS 91891

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

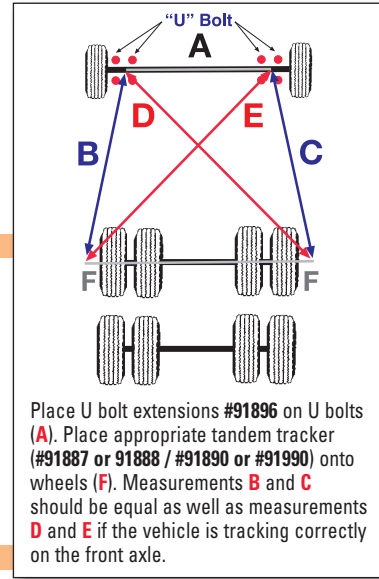
Accessories

Brake and CV

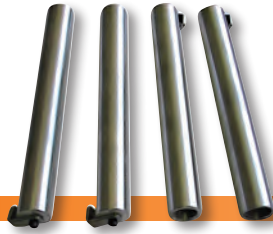
Gear/Index

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. 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 B and C distances along with the D and E distances (diagram above) to see if the tandems are tracking correctly.

91990



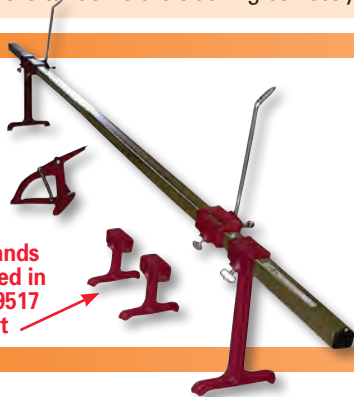
ALUMINUM WHEELS

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 B and C distances along with the D and E 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: 17" x 11-3/4" x 2

Replacement

REPLACEMENT PART APPLICATIONS

MODEL	YR	DRIVE	REAR	FRONT	PG	MODEL	YR	DRIVE	REAR	FRONT	PG
ACURA						DODGE/RAM					
CL	01-04	FWD	67075	67075	149	1500 Mega Cab	06-08	4WD		23800	72
EL	97-99	FWD	67245		149	2500, 3500	03-18	4WD		23800	72
Intergra	90-01	FWD		67245	149	3500 w/monobeam	03-18	RWD		23800	72
Legend	91-96	FWD		67245	149	4500, 5500	08-18	RWD/4WD		23850	72
RL	96-01	FWD		67245	149	FORD					
RSX	02-07	FWD	69400		149	Five Hundred	05-07	AWD	12710		147
TL (3.2)	96-98	FWD		67245	149	Freestyle	02-07	AWD	12710		147
TL	96-08	FWD	67075		149	Mustang Cobra	99-04	RWD	15645, 72062		149
TL	99-08	FWD		67075	149	Taurus, Taurus X	08-09	AWD	12710		147
TSX	04-08	FWD		67075	149	Thunderbird	02-05	RWD	87550		149
Vigor	92-94	FWD	67075		149	HONDA					
AUDI						Accord	18-18	FWD	12715		147
Allroad	01-16	AWD		21040	148	Accord	90-92	FWD	67075		149
A4	98-16	FWD/AWD		21040	148	Accord	98-02	FWD		67075	149
A5	07-16	FWD/AWD		21040	148	Civic (Not Type R)	16-18	FWD	12715		147
A6	98-18	FWD/AWD		21040	148	Civic	01-05	FWD	69300		149
A7	12-18	FWD/AWD		21040	148	Civic	96-00	FWD		67075	149
A8	04-10	FWD/AWD		21040	148	Civic	92-95	FWD		67245	149
Q5	09-17	FWD/AWD		21040	148	Civic	88-91	FWD		67075	149
RS4	07-08	AWD		21040	148	CR-V	17-18	AWD	12715		147
RS5	13-16	AWD		21040	148	CR-V	02-06	AWD	69400		145
RS6	03-03	AWD		21040	148	CR-V	97-01	AWD		67245	145
RS7	14-18	AWD		21040	148	Del Sol	92-97	FWD		67245	145
SQ5	13-17	AWD		21040	148	CRX	89-92	FWD		67075	145
S4	98-16	AWD		21040	148	Element	03-11	FWD/AWD	69400		145
S5	07-16	AWD		21040	148	Odyssey	95-98	FWD		67075	145
S6	01-18	AWD		21040	148	Prelude	97-02	FWD		67245	145
S7	12-18	AWD		21040	148	INFINITI					
S8	04-10	AWD		21040	148	M35h, M37, M56	11-13	RWD/AWD	12020		146
BENTLEY									12021		146
Continental	04-12	AWD		21040	148				12022		146
BMW						Q50, Q60	14-17	RWD/AWD	12020		146
x5	07-18	AWD	12116 - right		147				12021		146
			12117 - left		147				12022		146
x6	08-18	AWD	12116 - right		147	JAGUAR					
			12117 - left		147	S-Type	98-08	RWD	87555		149
CADILLAC						JEEP					
Escalade	02-18	RWD/4WD		86325	120	Wrangler (JK)	07-18	RWD/4WD		13415	146
CHEVROLET/GMC									13425		146
1500/HD/Crew Cab	99-18	RWD/4WD		86325	120	LEXUS					
2500, 3500	99-10	RWD/4WD		86325	120	CT	11-17	FWD	12030		147
2500HD, 3500HD	11-18	RWD/4WD		86326	120	GX	03-18	4WD	25950		148
Avalanche 1500, 2500	02-13	RWD/4WD		86325	120	HS	10-12	FWD	12030		147
Canyon/Colorado	15-18	RWD/4WD		86326	120	LX 570	08-18	4WD	25965		148
Canyon/Colorado	04-12	RWD/4WD		86325	120	LINCOLN					
Express/Savana Van	03-18	RWD/4WD		86325	120	LS	99-06	RWD	87550		140
Suburban, Tahoe, Yukon, Yukon XL											
1500, 2500	03-18	RWD/4WD		86325	120						

Applications
Alignment Parts
Heavy Duty
OE Replacement
Racing/Enduro
Tools
Accessories
Brake and CV
Gear/Index

Replacement

Applications
Alignment Parts
Heavy Duty
OE Replacement
Racing/Enduro
Tools
Accessories
Brake and CV
Gear/Index

MODEL	YR	DRIVE	REAR	FRONT PG	MODEL	YR	DRIVE	REAR	FRONT PG
NISSAN					SUZUKI				
Armada	04-15	RWD/4WD		21035 148	Equator	09-12	RWD/4WD		21035 148
Frontier	05-18	RWD/4WD		21035 148	TOYOTA				
Pathfinder	05-12	RWD/4WD		21035 148	4Runner	03-18	RWD/4WD	25950	148
Titan	04-15	RWD/4WD		21035 148	4Runner	96-02	RWD/4WD	25945	148
Xterra	05-15	RWD/4WD		21035 148	Corolla iM	17-18	FWD	12030	147
SCION					FJ Cruiser	07-14	4WD	25950	148
iM	12-16	FWD	12030	147	Landcruiser (200 Ser.)	08-18	4WD	25965	148
tC	05-10	FWD	12025	146	Landcruiser (100 Ser.)	98-07	4WD	25955	148
tC	11-16	FWD	12030	147	Landcruiser (80 Ser.)	91-97	4WD	25960	148
STERLING					VOLKSWAGEN				
Bullet	08-10	RWD/4WD		23850 72	Passat	98-05	FWD		21040 148
SUBARU					Phaeton	04-06	FWD		21040 148
Baja	03-06	AWD	16210	147					
Legacy	00-09	AWD	16210	147					
Outback	00-09	AWD	16210	147					
Tribeca	06-10	AWD	16210	147					

12020 Rear Lower Control Arm

REAR LOWER CONTROL ARM INFINITI OE REPLACEMENT

Replace a worn or bent rear lower control arm (OE# 551A01MA0D) on the Infiniti Q50 and Q70 with SPC's high strength steel stock length control arm (#12020). Need extended camber adjustment? Consider SPC adjustable link #72245 (page 103).

12021 Rear Radius Rod

REAR RADIUS ROD INFINITI OE REPLACEMENT

Replace a worn or bent rear radius rod (OE# 551B01MA0D) on the Infiniti Q50 and Q70 with SPC's high strength steel stock length control arm (#12021). Need set-back adjustment? Consider SPC adjustable link #72250 (page 103).

12022 Rear Lateral Arm

REAR LATERAL ARM INFINITI OE REPLACEMENT

Replace a worn or bent rear lateral arm (OE# 551201MA0D) on the Infiniti Q50 and Q70 with SPC's high strength steel stock length control arm (#12022). Need toe adjustment? Consider SPC adjustable link #72255 (page 103).



12020 Rear Repl. Part

Installation time: .3 hr/side
Required: 1 per wheel

12021 Rear Repl. Part

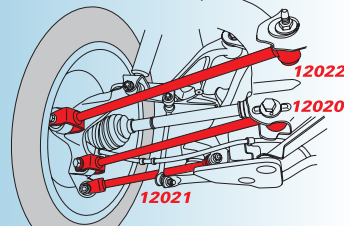
Installation time: .5 hr/side
Required: 1 per wheel

12022 Rear Repl. Part

Installation time: .3 hr/side
Required: 1 per wheel

APPLICATIONS

Infiniti: 2014 - Up Q50, Q70
2011 - 13 M35h,
M37, M56



12025

TC FIXED LENGTH REAR ARM

Replace your worn or bent rear upper control arm (OE# 4877021011) on the Scion tC. This arm features rubber bushings to match OE design and performance. Need positive camber change? Consider SPC offset arm #67485 (page 89).



Rear Replacement Part

Installation time: .5 hr/side
Required: 1 per wheel

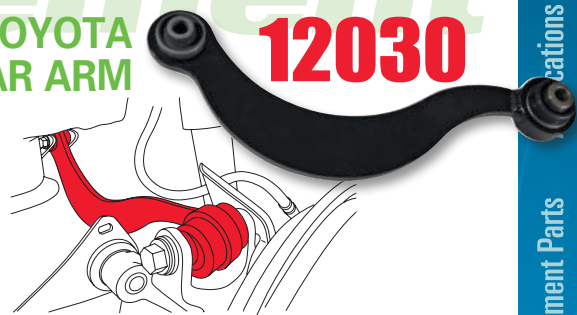
APPLICATIONS

Scion: 2005 - 10 tC

Rear Replacement Part
 Installation time: .5 hr/side
 Required: 1 per wheel
APPLICATIONS
Lexus: 2011 & Up CT
 2010 - 12 HS
Scion: 2011 - 16 tC
 2016 iM
Toyota: 2017 & Up Corolla iM

SCION/LEXUS/TOYOTA FIXED LENGTH REAR ARM

Replace your worn or bent rear upper control arm (OE# 4877012010) on the Scion tC and iM, as well as the Lexus CT and HS vehicles. This arm features xAxis and rubber bushings to match OE design and performance. Need camber adjustment instead? Consider SPC adjustable link #67487 (page 89).

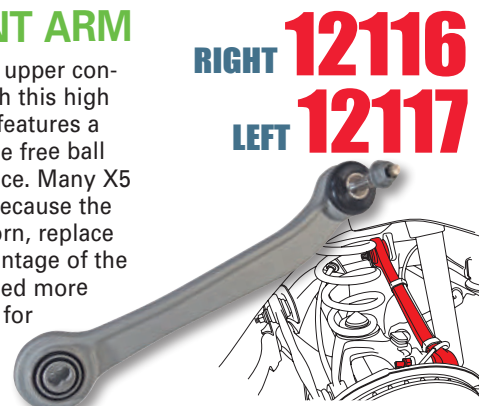


12030

Rear Replacement Part
12116 RIGHT
12017 LEFT
 Installation time: 1.0 hr/side
 Required: 1 per wheel
APPLICATIONS
BMW: 2007 & Up X5
 2007 & Up X6

BMW OE REPLACEMENT ARM

Replace your worn or damaged left rear upper control arm on BMW X5 and X6 models with this high quality SPC replacement arm. This arm features a bonded rubber bushing and maintenance free ball joint to match OE design and performance. Many X5 and X6's are running negative camber because the rear upper arm's bushing and BJ are worn, replace it with SPC's arm and you can take advantage of the second bushing hole for +2° camber. Need more camber adjustment? Use SPC p/n 72115 for a complete rear end adjustment kit, p/n 72116 for a right side or p/n 72117 for a left side adjustable arm (page 101).

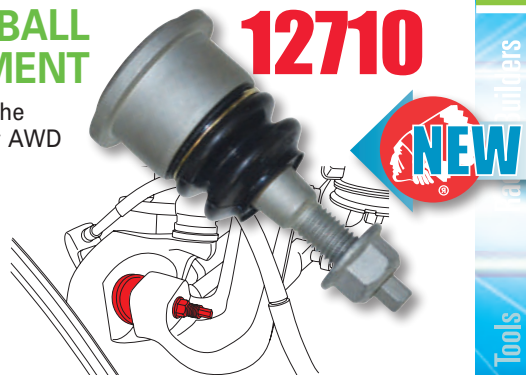


RIGHT 12116
LEFT 12117

Rear Replacement Part
 Installation time: 1.2 hr/side
 Required: 1 per wheel
APPLICATIONS
AWD ONLY
Ford: 2005 - 07 Five
 Hundred
 2005 - 07 Freestyle
 2008 - 09 Taurus
 2008 - 09 Taurus X
Mercury: 2005 - 07 Montego
 2008 - 09 Sable

FORD REAR UPPER BALL JOINT REPLACEMENT

Replace your worn out upper ball joints on the rear suspension of popular Ford and Mercury AWD vehicles with these replacement ball joints from SPC. Ford makes you buy the whole knuckle to replace this joint, but you can save time and money by simply replacing the ball joint instead. Need camber adjustment as well? Check out SPC #67690 for a camber adjustment ball joint that offers ±1.25° degrees of change (page 94).



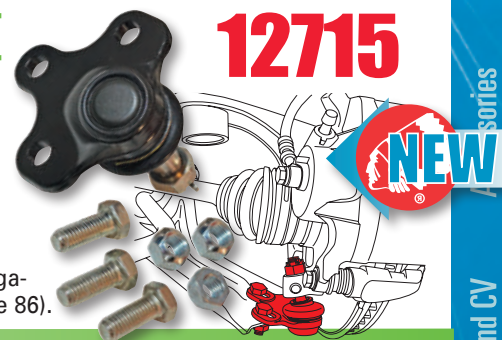
12710



Front Replacement Part
 Installation time: .6 hr/side
 Required: 1 per wheel
APPLICATIONS
Honda: 2018 Accord
 2016 & Up Civic
 (not Type R)
 2017 & Up CR-V
DOES NOT FIT CIVIC TYPE R

HONDA REPLACEMENT LOWER BALL JOINT

Replace your worn or damaged factory lower ball joint on the front of the 10th generation Civic or late model CR-V with this replacement ball joint from SPC. This ball joint uses high quality components for a long service life. Need front camber change? Consider our line of camber adjustment ball joints; 67381 for negative camber or 67382 for positive camber (page 86).



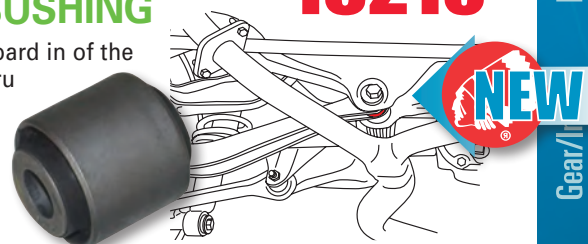
12715



REAR Replacement Part
 Installation time: .? hr/side
 Required: 1 per wheel
APPLICATIONS
Subaru: 2003 - 06 Baja
 2000 - 09 Legacy
 2000 - 09 Outback
 2006 - 10 Tribeca

SUBARU REPLACEMENT BUSHING

Replace the worn bushing on the onboard in of the rear lower control arm on many Subaru models from the 2000's. Need the toe cam adjuster too, check out 67668 on page 93.



16210



Replacement

Applications
Alignment Parts
Heavy Duty
OE Replacement
Timing/Shifters
Tools
Accessories
Brake and CV
Gear/Index

21020

FORD F-SERIES FRONT COIL SPRING BOLT

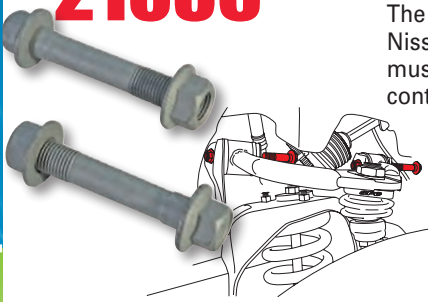


When installing coil spring spacers on older F150s with Twin I Beam suspension you may need a longer spring retainer bolt. This replacement bolt is 10" long, long enough to provide plenty of bolt length to compensate for the added thickness of the coil spring spacer.

Rear Replacement Part
Installation time: .4 hr/side
Required: 1 per wheel
APPLICATIONS
Ford: F150s with Twin I-Beam Suspension

21035

BOLT & NUT KIT/NISSAN (PR)



The upper control arm mounting bolts on many Nissan trucks and SUVs are frequently corroded and must be cut out when removing or replacing the control arm. This bolt and nut replacement kit (2) allows easy re-installation of the upper control arm. The pair of bolts and nuts are enough to replace both bolts in one corner or to replace the rearward bolt on both upper control arms if you are cutting them out to replace both arms. Can be used with SPC Adjustable Front Upper Control Arm, part number 25540 (page 76).

Front Replacement Part
Installation time: .4 hr/side
Required: 1 per wheel
APPLICATIONS
Nissan: 2004 - 15 Armada
2005 & Up Frontier
2005 - 12 Pathfinder
2004 - 15 Titan
2005 - 15 Xterra
Suzuki: 2009 - 12 Equator

21040

AUDI FRONT UPPER CONTROL ARM PINCH BOLT KIT



The upper control arm ball joint pinch bolt on the popular Audi A/S 4,5, 6, and 7 models is frequently corroded and must be cut out when removing or replacing the upper arms. This M10 x 1.5 x 110 bolt and nut replacement kit has 720 hour salt spray coating to minimize future corrosion. Order one kit per side. Included with SPC Adjustable Front Upper Control Arms (page 112).

Front Replacement Part
Installation time: .4 hr/side Req.: 1 per wheel
APPLICATIONS
Audi: 1998 & Up A4; 2000 & Up S4
2007 - 08 RS4; 2007 & Up A5/S5
1998 - 11 A6/Allroad/S6/RS6
2012 & Up A7/S7; 2004 - 10 A8/S8
2009 & Up Q5; 2013 & Up SQ5
Volkswagen:
1998 - 05 Passat
2004 - 06 Phaeton

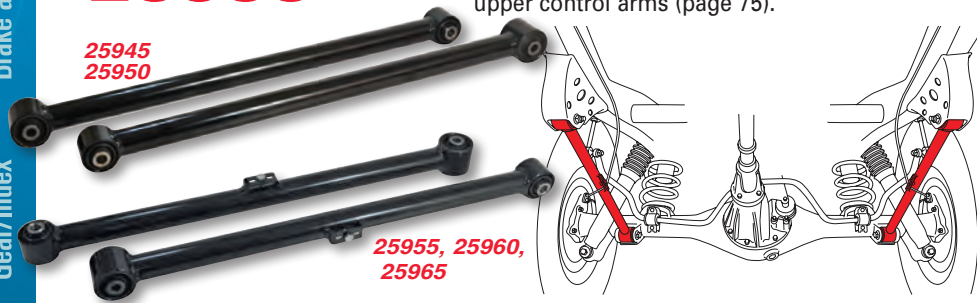


25945

TOYOTA REAR LOWER CONTROL ARMS (PR)

- 25950
- 25955
- 25960
- 25965

These pairs of rear lower control arms are direct replacements for weak or bent factory units. Made of 3/16" wall DOM tube, they are more than 2x stronger than the OE arms! They are equipped with a rubber bushing in one end for isolation of road noise and an xAxis™ sealed flex joint in the other end for superior flexibility off road. Whether you are replacing damaged OE parts or upgrading for offroad use, these are the arms for you. Need articulation or alignment changes in the front? Check out our front adjustable upper control arms (page 75).



Rear Replacement Part
Installation time: .3 hr/side
Required: 1 per axle
25945 APPLICATIONS
Toyota: 1996 - 02 4Runner
25950 APPLICATIONS
Lexus: 2003 & Up GX
Toyota: 2003 & Up 4Runner
2007 & Up FJ Cruiser
25955 APPLICATIONS
Toyota: 1998 - 07 Landcruiser (100 Series)
25960 APPLICATIONS
Toyota: 1991 - 97 Landcruiser (80 Series)
25965 APPLICATIONS
Lexus: 2008 & Up LX 570
Toyota: 2008 & Up Landcruiser (200 Series)

Rear/Front Upper Replacement Part

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

67075 APPLICATIONS

REAR Acura: 1996 - 04 CL; 1996 - 08 TL
1992 - 94 Vigor

REAR Honda: 1990 - 02 Accord

FRONT Acura: 1996 - 04 CL; 1999 - 08 TL

FRONT Honda: 1998 - 02 Accord; 1996 - 00 Civic
1988 - 91 Civic; 1989 - 92 CRX
1995 - 98 Odyssey

67245 APPLICATIONS

FRONT Acura: 1990 - 01 Integra; 1991 - 96 Legend
1996 - 01 RL; 1996 - 98 3.2TL

Honda: 1992 - 00 Civic; 1997 - 01 CR-V
1992 - 97 Del Sol; 1997 - 02 Prelude

REPLACEMENT BALL JOINTS

These ball joints can be used as a replacement ball joint for several Honda and Acura vehicles. The 67075 can be used as a replacement ball joint for SPC's 67065 (page 81) and 67265 (page 84) adjustable arms.



We have adjustable ball joints for these vehicles and more - check them out on pages 83 and 86

67075 67245



40920 - Perf. Ball Joint Press, pg 161

Rear Replacement Part

Installation time: .3 hr/side

Required: 1 per axle

69300 APPLICATIONS

Acura: 2001 - 05 EL

Honda: 2001 - 05 Civic

69400 APPLICATIONS

Acura: 2002 - 06 RSX

Honda: 2002 - 06 CR-V

2003 - 11 Element

HONDA/ACURA REAR LOWER ARMS (PR)

These lower control arms are for Honda Civics, CR-Vs and Elements along with Acura RSXs. Made from aircraft aluminum alloy, these arms are available in a silver finish.

These sets of lower arms include a special socket, Part 69330 (page 184) which is required for installation.



Socket Included



69300 69400

Rear Replacement Part

Installation time: .3 hr/side

Required: 1 per axle

APPLICATIONS

Ford: 1999 - 04 Mustang
Cobra



Need to adjust front camber or caster? Check out our adjustable strut mounts, part number 72060 on page 100

COBRA IRS XAXIS™ JOINT KITS

Replace worn rear knuckle cross axis ball joints on the IRS Mustang Cobra with xAxis™ joints from SPC Performance. SPC's cross axis ball joints feature highly polished electro-less nickel plated balls, corrosion and wear resistant moly impregnated nylon races, and dust boots to keep contaminants out & ensure long life. xAxis Joints come pre-greased and are designed to be maintenance free. Order part #72062 for the complete set to replace all 4 rear knuckle cross axis ball joints, along with the correct press tool adapters. Need only a single rear knuckle ball joint? Order part #15645. With the single xAxis use SPC press adapters part number 29606 and 29610 to make installation a snap. Don't have a press tool? Use SPC #40940.

40920 - Perf. Ball Joint Press, pg 161



72062

Set of 4 with Adaptors

15645

Single Joint

Rear Replacement Part

Installation time: .3 hr/side

Required: 1 per axle

87550 APPLICATIONS

Ford: 2002 - 05 Thunderbird

Lincoln: 1999 - 06 LS

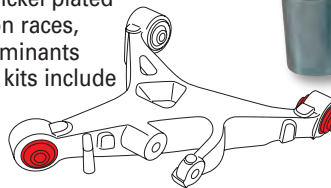
87555 APPLICATIONS

Jaguar: 1999 - 08 S-Type

Front Cam Kits available for these applications, page 125

XAXIS™ JOINT KITS

Replace worn rear lower control arm cross axis ball joints on the Lincoln LS and Ford Thunderbird (#87550) or Jaguar S-Type (#87555) with xAxis™ Sealed Flex Joints. SPC's xAxis joints are pre-greased and feature highly polished electro-less nickel plated balls, moly impregnated nylon races, and dust boots to keep contaminants out & ensure long life. These kits include four (4) xAxis joints and two (2) press tool adapters to service a complete rear end.



87550 87555

Racing

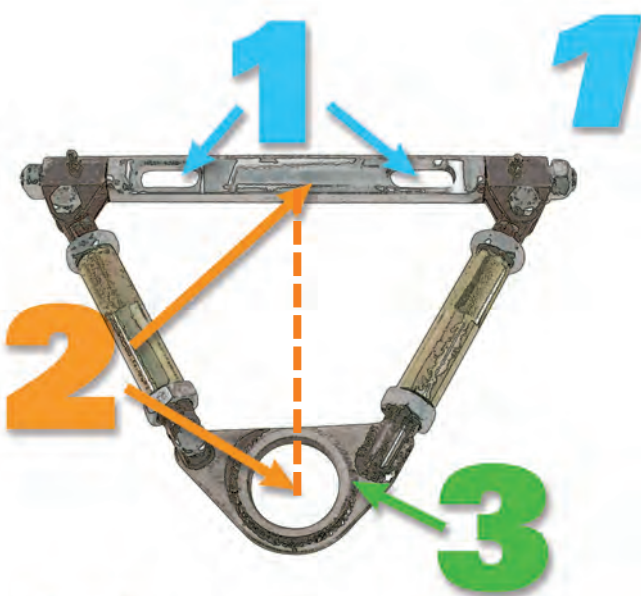
RACING/BUILDERS SERIES

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 pages 152-153. **SPC also offers arms for Muscle Cars, Street Rods, Corvettes and show applications - see our Application Guide (pages 7-64) 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" (slotted) Aluminum or 5-7/8" - 6" (slotted) Steel
- 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)

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.

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.



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 152 & 153.)

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")	GM Midsize Metric Ball Joint

We also have pre-built Racing Arms for Corvettes - See Page 129!



Builders

Build your own Arm

With our high quality components

If we don't have a pre-assembled 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 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

94100 5" Steel Stock/Mustang II **Includes 2 Straight Pivots**

Customizable Cross Shafts

Part#	Shaft Hole Spacing	Shaft Material	Racing Pivots (Order 2) Delrin Bushing Offset Style	Street Pivots (Order 2) Clevite Bushing Offset Style
93400	5"	Steel	92025	94014
93410	5-1/2"	Steel	92025	94014
93420	5-7/8" to 6"	Steel	92025	94014
93440	6" <i>Slotted Mount</i>	Aluminum	92025*	N/A
93430	6-5/16"	Steel	92025	94014
93450	6-1/2"	Steel	92025	94014
93460	6-11/16"	Steel	92025	94014
93470	6-15/16"	Steel	92025	94014
93480	7-3/4"	Steel	92025	94014
93490	5-7/8" <i>Tri-5</i>	Steel	92025	94014

* Note: On 93440 Aluminum Shafts the 92025 pivot bushings will need to be removed before installing.

Adjusting Sleeves

These sleeves are the perfect fit with our pivot studs and ball joint plates.

Sold individually.

Part #	Length	Sleeve Material	Part #	Length	Sleeve Material
92040	3-3/4"	Steel	92060	6"	Steel
92045	4"	Aluminum	92065	6"	Aluminum
92050	5"	Steel	92080	8"	Steel
92055	5"	Aluminum	92090	9"	Steel

Upper Control Arm Components

A variety of assemblies along with nuts and bolts for your arm. **Sold individually.**

Part #	Description	Part #	Description
92005	UCA End Pivot Stud (Cross Shaft End)	92025	Offset Race Pivot Assembly w/Delrin Inserts
92010	Right Hand Jam Nut - 3/4" - 16	94013	OE Style Bushing Only
92011	Left Hand Jam Nut - 3/4" - 16	94014	Offset Street Pivot Assembly w/OE Style Bushings
92013	Pivot Plate Stud w/Nut	94041	Street Kit (threaded studs, lock nuts, bolts, jam nuts, OE style offset pivots - 2 ea.)
92014	7/16 Hex Head Cap Screw	97100	Hi Strength 2 Piece Rod End - 3/4" - 16 LH
92019	Lock Nut for 92014		
92021	Race Kit (threaded studs, lock nuts, bolts, jam nuts, offset pivots w/Delrin Insert - 2 ea.)		



Applications
Alignment Parts
Heavy Duty
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Racing/Builders
Tools
Accessories
Brake and CV
Gear/Index

Builders

Ball Joint Plates

SPC Ball Joint plates come in a variety of styles to complete your adjustable control arm along with OE style ball joints (sold separately-below).

W-I-D-E 10 & 20 degree screw in ball joint plates accommodate larger coil springs being used on many late model racing chassis. The wide plate allows plenty of room for both caster and offset adjustment.

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
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
92033	Wide Mouth Screw-In Plate - 10° (Right)	94002 (for larger coil springs)
92035	Wide Mouth Screw-In Plate - 20° (Drivers)	94002 (for larger coil springs)



Ball Joints

.5" Extended Length OE Style Ball Joints

These greaseable, OE 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 #	Description
94016	Lower Ball Joint for GM 'A' Bodies (Press in for 94344 Lower Arm)
94018	Lower Ball Joint for GM 'G' Bodies (Press in for 95336 Lower Arm)
94017	Upper Ball Joint for GM Mid Size Bolt In Metric Plate
94019	Upper Ball Joint for GM 1st Gen 'F' Body & 'A' Body ('64 -'72)

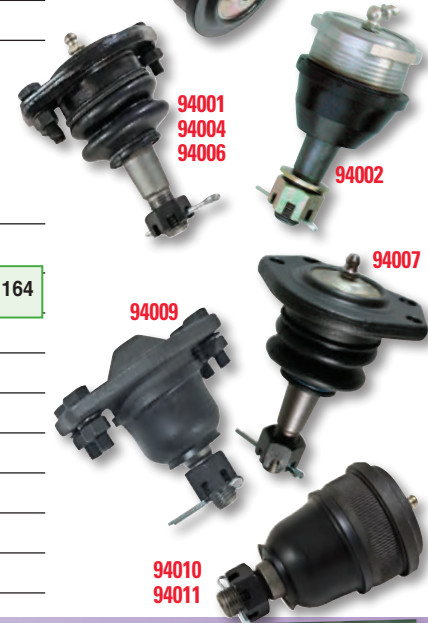


OE Style Ball Joints

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 #	Description
94001	Upper Early GM Metric Bolt-in Ball Joint
94002	Upper Chrysler Screw-In Ball Joint
94003	Upper GM C2/C3 Corvette & Tri 5 Bolt-In Ball Joint
94004	Upper GM Full-Sized Bolt-In Ball Joint
94006	Upper GM Mid-Sized Metric Bolt-In Ball Joint
94007	Upper C4 Corvette Bolt-In Ball Joint
94009	Upper Ford Mustang Ball Joint
94010	Lower A & F Body Ball Joint
94011	Lower G & 2nd Gen F Body Ball Joint

 68880 - Socket pg 164



SPC has entire suspension solutions for muscle cars and 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 ball joints, components and more! Check pages 127-133 for our complete line!

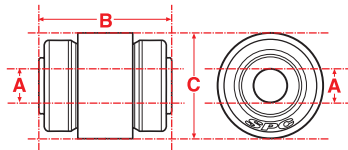


Applications
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Gear/Index

Builders™ xAxis™ Sealed Flex Joint



Designed to replace many OE style bushings, SPC's **xAxis™ Sealed Flex Joint** retains chassis design parameters. **xAxis™** is recommended for use as a replacement when higher performance of joint angularity is desired - perfect for race and off-road builders.



Features

- **Sealed joint retains grease and keeps out contaminants**
- **Highly polished electroless-nickel finish on ball maximizes durability**
- **Up to 45° angularity for high mis-alignment requirements**
- **Common sizes that builders and racers need**

Benefits

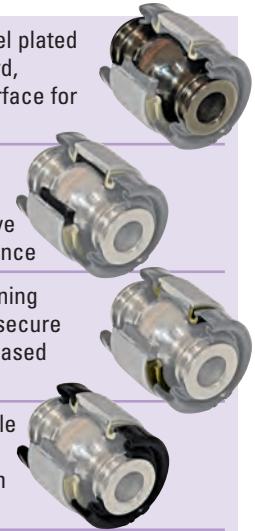
- **Reduced compliance and deflection vs rubber and poly joints**
- **Improved durability vs spherical bearings and poly bushings**
- **Increased angularity vs rubber and poly bushings**
- **Engineered to be a direct fit for many popular street/race or HD off-road applications**

Electroless-nickel plated ball provides hard, smooth wear surface for long life

Corrosion and wear resistant nylon inner sleeve reduces compliance

Zinc plated retaining rings keep boot secure throughout increased joint travel

Easily replaceable rubber boots protect joint from elements



CAD Models Available for Builders

Go online to **BuilderSeries** for more on our xAxis and to download models of our **xAxis** which can be used in your designs.

xAxis™ Sealed Flex Joint

Part No.	Bolt Size (A)		Width (B)		Outer Dia (C)		Press Adapter
	mm	Inch	mm	Inch	mm	Inch	
15605		0.375		1.500		1.250	29607
15607		0.500		2.000		1.750	29608
15609		0.625		2.500		2.000	29610
15611		0.750		3.250		2.500	29612
15613	10			2.000		1.8125	29609
15615	12			2.000		1.8125	29609
15616	14			2.375		1.8125	29609
15617*	14			1.625	38.5		29605
15619	14			2.625		2.250	29611
15623	12		40		40		29606
15624	12		48		40		29606
15625	10		40			1.750	29608
15627	12		42		40.2		29606
15629	12		45		40		29606
15631	12		47		40		29606
15633	12		50		40		29606
15635	12		50		40.2		29606
15637	12		57		40		29606
15639	14		40		40		29606
15641	14		50		40		29606
15643	12		44.5		40		29606
15647	14		48		40		29606

* Bolt hole and width are designed for JK track bar bracket.

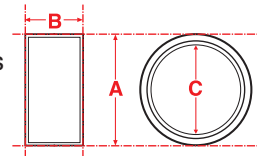
15620 Jeep xAxis

Designed to replace the common 2-1/4" dia x 2-5/8" wide bushings in Jeep aftermarket control arms, and accommodates a 5/8" or 16mm bolt.



Weld-In Receivers with 2 Snap Rings

Use this weld in receiver to create your own control arm or chassis mount with an SPC xAxis™ sealed flex joint. Designed with optimal press fit for the xAxis these receivers include two snap rings for retention and an access window for easy snap ring removal.



Part No.	O.D. (A)	Width (B)	ID (C)	Press Adapter
15520	1.50"	0.82"	1.25"	29607
15521	2.25"	1.12"	1.75"	29608
15522	2.50"	1.25"	2.00"	29610
15523	3.00"	1.56"	2.50"	29612
15524	2.25"	1.07"	1.8125"	29609
15525	2.75"	1.17"	2.25"	29611
15526	47.6mm	27.3mm	40mm	29606

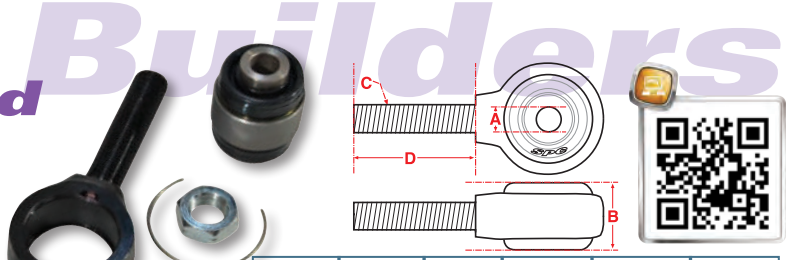
Bushing Press Adapters

29605, 29606, 29607, 29608, 29609, 29610, 29611, 29612

These adapters are designed for quick, easy removal of the old bushings and installation of SPCB xAxis joints.

xAxis™ Forged Receiver Assemblies

xAxis™ Forged Receiver Assemblies are the way to get all the benefits of **xAxis** Sealed Flex Joints into your project. Includes **xAxis**, forged receiver, jam nut and snap ring.



Part # Right Thread	Part # Left Thread	Bolt Dia (A)	Width (B)	Thread (C)	Thread Length (D)	Suggested Applications
15730	15731	10mm - 3/8"	2.000"	3/4" - 16	3.2"	Aftermarket Jeep TJ upper control arms
15732	15733	12mm	2.000"	3/4" - 16	3.2"	Aftermarket Jeep JK front upper control arms
15734	15735	14mm - 9/16"	2.375"	3/4" - 16	3.2"	Aftermarket Jeep JK rear upper control arms
15736	15737	16mm - 5/8"	2.625"	1" - 14	3.2"	Aftermarket Jeep TJ and JK lower control arms modified for 5/8"-16mm bracket bolts
15738	15739	16mm - 5/8"	2.625"	1 1/4" - 12	3.2"	Heavy duty aftermarket Jeep TJ and JK lower control arms modified for 5/8"-16mm bracket bolts
15740	15741	14mm - 9/16"	2.625"	1" - 14	3.2"	Aftermarket Jeep TJ and JK lower control arms
15742	15743	14mm - 9/16"	2.625"	1 1/4" - 12	3.2"	TJ and JK lower control arms

Part # Right Thread	Part # Left Thread	Bolt Dia (A)	Width (B)	Thread (C)	Thread Length (D)
15744	15745	3/8"	1.5"	1/2"-20	2.9"
15746	15747	1/2"	2.0"	3/4"-16	3.0"
15748	15749	16mm 5/8"	2.5"	1 1/4"-12	2.8"
15750	15751	3/4"	3.250"	1 1/4"-12	3.2"
15752	15753	12mm	40mm	3/4"-16	2.9"
15754	15755	12mm	40mm	M18x1.5	2.9"
15764	15765	12mm	45mm	3/4"-16	2.9"
15766	15767	12mm	45mm	M18x1.5	2.9"
15768	15769	12mm	47mm	3/4"-16	2.9"
15770	15771	12mm	47mm	M18x1.5	2.9"
15772	15773	12mm	50mm	3/4"-16	2.9"
15774	15775	12mm	50mm	M18x1.5	2.9"
15780	15781	12mm	57mm	3/4"-16	2.9"
15782	15783	12mm	57mm	M18x1.5	2.9"
15784	15785	14mm	40mm	3/4"-16	2.9"
15786	15787	14mm	40mm	M18x1.5	2.9"
15792	15793	12mm	44.5mm	3/4"-16	2.9"
15794	15795	12mm	44.5mm	M18x1.5	2.9"



SPC Builder Ball Joints provide an excellent alternative to traditional spherical bearings or OE ball joints when constructing custom control arms. Designed with the professional/home fabricator in mind, these rebuildable and greaseable ball joints offer high load capacity combined with massive articulation. Derived from SPC's latest generation of large truck ball joints, the Builder Ball Joint Series features a wear-compensating design with redundant sealing for years of service between rebuilds. Hardened, alloy steel ball studs are offered for a variety of applications, making it easy to incorporate these joints into your project.



15201 Rebuild Kit

Includes: Races, spring, O-rings, boot, boot retainer and cotter pins.



72120 - Spanner Wrench, pg 166

Builder Ball Joints

- Aluminum Cap and Rubber O-Rings** provide redundant sealing keeping ball joint free of contaminants
- Rebuildable and Greaseable** for years of service, even under the harshest conditions
- 2-Piece Hybrid Race** compensates for wear while providing high load capacity
- Large Diameter Ball** provides maximum bearing surface and massive articulation
- Alloy Steel Stud** Application-specific hardened alloy steel studs for maximum strength
- High-angle Boot (not shown)** keeps out dirt and water, even at extreme articulation

Part No.	Make	Model
15211	Toyota Nissan Ford	Tacoma, 4-Runner, Tundra, Sequoia Frontier, Pathfinder, Xterra, Equator T6Ranger
15212	Toyota Lexus	Landcruiser 100/200 Series, FJ Cruiser, 4-Runner, Tundra, Sequoia LX470, LX570, GX
15213	Chevy/GMC Ram	1500 HD, 2500, 3500, Avalanche 2500, Suburban 2500, H2 1500 (Except Mega Cab)
15214	Jeep	Commander, Grand Cherokee (WK)
15215	Ford	F-150
15216	Isuzu	D-Max
15217	Chevy/GMC	Colorado, Canyon



Builders 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. Pinch bolt maintains high clamping force.



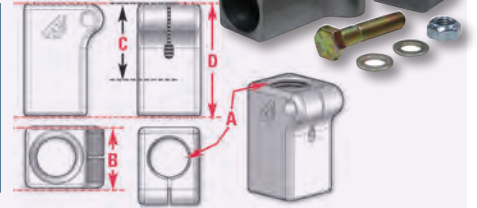
ROUND ROD END RECEIVERS

RH Thread Part #	15120	15110	15100	15090	15080	15092	15082
LH Thread Part #	15125	15115	15105	15095	15085	15097	15087
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

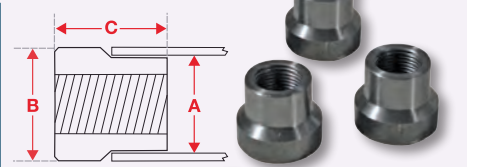
SQUARE ROD END RECEIVERS

RH Thread Part #	15170	15160	15150	15140	15130
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"



WELD IN BUNG RECEIVERS

RH Thread Part #	15300	15302	15304	15306	15308
LH Thread Part #	15301	15303	15305	15307	15309
Thread Size	1/2" - 20	3/4" - 16	1" - 14	1 1/4" - 12	M18 x 1.5
Tube ID (A)	0.75"	1.00"	1.50"	1.75"	1.00"
Width (B)	1.00"	1.25"	1.75"	2.00"	1.25"
Overall Length (C)	.75"	1.125"	1.50"	1.875"	1.060"



SPHERICAL BEARING RECEIVERS

Material Spec: 4140 N Chromoly Steel Includes Retaining Ring

Part #	15065	15060	15055	15050	15045	15040	15042
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"

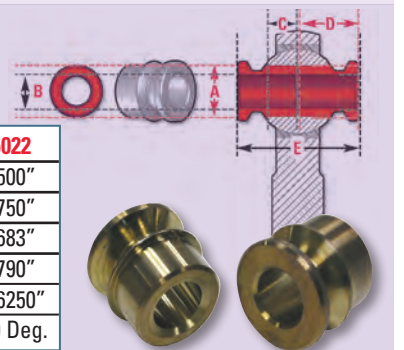


E - Centerline of receiver to centerline of bearing race

HIGH MIS-ALIGNMENT INSERTS (Pair)

Material Spec: Hardened Stainless Steel

Part #	15032	15028	15015	15020	15018	15010	15012	15024	15022
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.



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

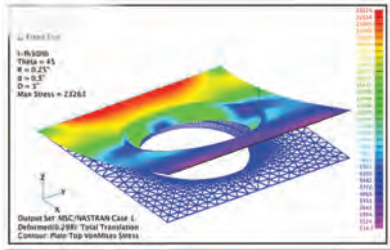
Accessories

Brake and CV

Gear/Index

Part #	Dia.	Part #	Dia
15835	.75"	15865	2.5"
15840	1.0"	15870	3.0"
15850	1.5"	15875	3.5"
15860	2.0"	15880	4.0"

Set #	Dies Included
15810	15835, 15840, 15850, 15860, 15865
15815	15870, 15875, 15880



FLARED HOLE DIES

15810
15815

Often called "dimple dies," flared hole dies are used in sheet-metal fabrications to provide rigidity and strength to flat panels. Due to the resulting high strength-to-weight ratio 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 in chromoly up to .090" thick or flare holes in up to .125" mild steel
- Manufactured from high quality hardened tool steel
- Available for hole diameters from 3/4" to 4"



FASTRAX™ CAMBER / CASTER GAUGE

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 17"
Optional Toe Adapter Kit (91100) sold below.

91010 Performance - Fits wheels 17" to 22"
Optional Toe Adapter Kit (91100) sold below.

91025 Off-Road - Fits Wheels 13" to 17" **91025**
Align off-road wheels - tire sizes up to 44".
Includes longer toe arms, bungee cord & tape measure.

91030 No Lip Adapter
A quick adapter to attach the FasTrax to wheels without an outer "lip". Fits on the 91000, 91010 and 91025.

91100 Optional Toe Adapter Kit
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**.



See page 172 for more on our Popular FasTrax™

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	155	Tie Rod Puller
37985	156	4-Way Ball Joint/Tie Rod Separator
45938	159	Colorado/Canyon 4WD Alignment Socket
45940	159	GM Express Van Tool
71959, 71969, 71979, 71989, 71999	160	Tie Rod Tools
74910	163	Cam Knock Out Punch
77350	163	Heavy Duty Tie Rod Tools
77880	163	Ford OE Sleeve Puller
81139	164	Magnetic Adj. Camber Gauge
83775	164	Cas/Cam Tool - 93 & Up F-Body
85127	165	3/8" Carbide Rotary File
85137	165	3/8" Rotary File for Aluminum
87560	166	Honda 24mm Toe Tool
99918	169	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 AND 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

Check out our CV Joint Fork #38620 for use with the 499 (page 160)



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

CAUTION: Not for use with impact wrenches (air tools).

SPANNER WRENCH

Thin walled spanner wrench designed specifically for installation and removal of OE and **23000** (page 68) screw in 4WD alignment sleeves.



4169

APPLICATIONS

Dodge RWD:

1987 - 04 Dakota
1998 - 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

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 push. Makes installation of the **87330** camber/toe kit easier (pg. 123). 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 165).

23580 - To be used with our Dodge, Jeep and Ram Pin Joints (part nos. **23510, 23520, 23530, 23540** page 71).

23780 - For our Dodge/Ram Truck Pin Joints (part nos. **23710 - 23730** page 71 and **23800 - 23830** page 72).



23580

23780

WHEEL WEIGHT TOOL

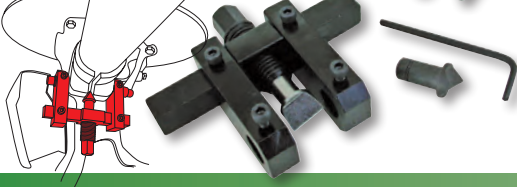
The best tool for removing or installing passenger car and light truck wheel weights. Incorporates hooks for removal of wheel weights on many different types of wheels. Not for use on aluminum or decorative wheels.



37000

Removing or installing wheel weights on OTR Trucks? Check out Part #83125 (pg. 168)

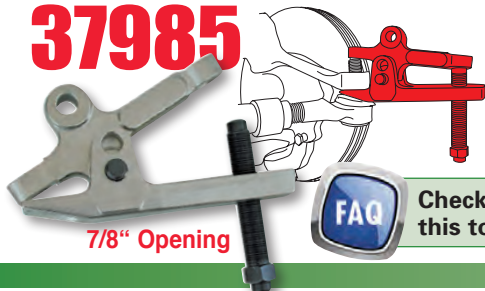
37980



STEERING KNUCKLE TOOL

Stop damaging steering knuckles by removing linkages or struts with pry bars, screwdrivers 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.

7/8" Opening



Check out online how to use this tool to remove wheel studs

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.

37995



MASTER BALL JOINT SEPARATOR SET

This master ball joint separator set from SPC is a must for any technician replacing ball joints, control arms, or tie rod ends on today's cars and SUVs. With four different opening sizes (24mm, 27mm, 31mm, and 36mm) a threaded height adjuster and two different sized forcing screws, this seven piece set is the most versatile on the market. From a Jeep tie rod end to a BMW X5 rear upper control arm, this set will have you covered. Packaged in a convenient blow molded case to help you keep track of your stuff.

38620



CV JOINT FORK

When used with 499 (page 158), 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.

For threaded rod - 5/8" x 18

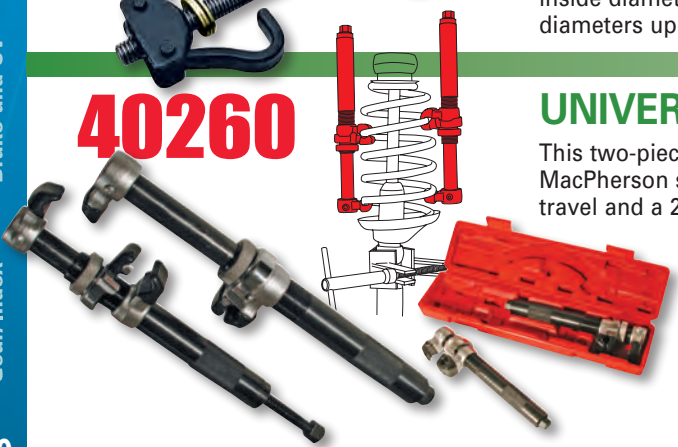
40250



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 1" to 11" of travel and a 2,700 lb per pair max working load, 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.

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 ADJUSTING WRENCH SET (4)

Every alignment tech needs this tie rod wrench set in their tool box. Adjust inner tie rods with this easy to use 4 piece wrench set. The wrenches feature spring loaded toothed jaws and sturdy grips to make toe adjustments quick and easy. This set of wrenches fits tie rods from 10.5 to 19mm.

Individual tools are also available:

- 40850** fits 10.5-12mm rods **40860** fits 12-14mm rods
- 40870** fits 14-16mm rods **40880** fits 16-19 mm rods



40840

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**

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 25425, 25430, 25435, 25440, 25445 and 25450 replacement Toyota cams (page 74).

INCLUDES (See below right): 4434, 44339



40910
40915
40920

PERFORMANCE BALL JOINT PRESS **40920**

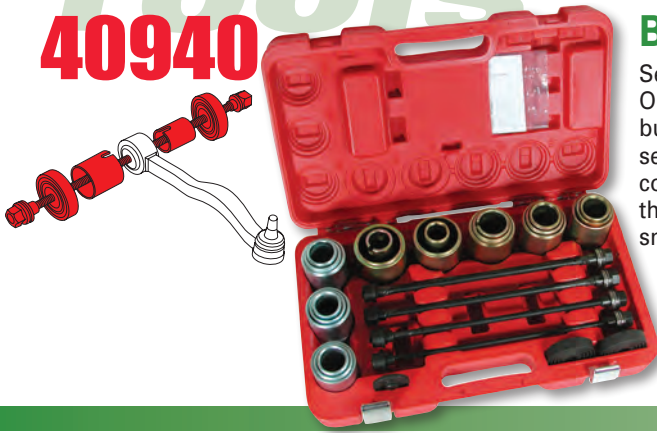
This tool was specifically designed to remove the original equipment ball joints on smaller cars when installing SPC Performance's sliding ball joints (pages 83 & 86). With this revolutionary design you can remove the ball joint from the front upper control arm without removing the arm from the vehicle, 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**



- 40915** U-Adapter
- 4432** 1/16" Thick Tube
- 4431** 1/8" Thick Tube
- 4434** 3/16" Thick Tube
- 40923** Forcing Head
- 40925** Receiving Socket
- 40927** Forcing Screw
- 4434** C-Frame
- 44339** Forcing Screw Cap
- 40923** Adapter
- 40925** Adapter
- 40927** Adapter
- 40929** C-Frame and Forcing Screw
- 44339** Sleeve Extracting Screw
- 4428**
- 4429**
- 4430**
- 4427**

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 from 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 P2.50

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 aftermarket wheel lug locks. Kit comes in a durable plastic carrying case with complete instructions. Replacement parts available.

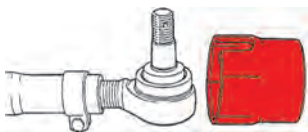
Wear appropriate eye protection when using this tool.

SET INCLUDES:

- 40008** Punch
- 40010** Ford and Chrysler lock cylinder
- 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

BONUS!

THIS WHEEL LOCK REMOVAL SET INCLUDES A DUAL SIDED LUGNUT REMOVAL TOOL THAT REMOVES DAMAGED OR ROUNDED O.E. STYLE LUGNUTS.

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:**RECEIVING TUBES:**

- | | |
|---|--|
| 4159 2.87 OD x 2.62 ID | 4419 2.5 OD x 2.25 ID x .75 AL |
| 4415 2.50 OD x 2.25 ID | 4420 2.5 OD x 2.25 ID x 2.75 AL |
| 4416 2.0 OD x 1.75 ID | 4421 3.0 OD x 2.75 ID |
| 4417 2.5 OD x 2.25 ID | 4422 2.75 OD x 2.43 ID |
| 4418 2.13 OD x 1.80 ID | 4423 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 | |

APPLICATIONS

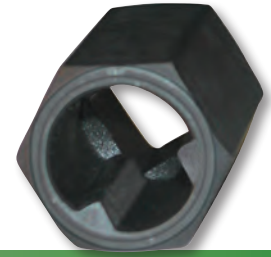
Buick: 2013 & Up XTS
Cadillac: 2010 & Up LaCrosse
 2011 & Up Regal
Chevrolet 4WD: 2004 - 12 Colorado
GMC 4WD: 2004 - 12 Canyon
Isuzu 4WD: 2006 - 06 i-350
 2007 - 08 i-370

CAUTION: Not for use with impact wrenches (air tools).

GM CAM BOLT SOCKET

45938

Many GM trucks and cars can be difficult to align because it is impossible to access the head of the cam bolt to adjust. This 3/8" drive 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.



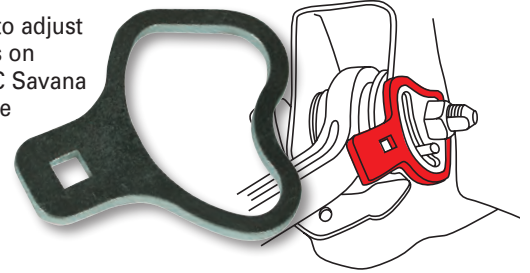
APPLICATIONS

Cadillac RWD/4WD: 2002 & Up Escalade
Chevrolet/GMC RWD/4WD:
 1999 & Up 1500 & HD Crew Cab
 1999 - 10 2500, 3500
 2002 - 13 Avalanche 1500, 2500
 2004 - 12 Canyon & Colorado
 2003 - Up Express/Savana Van
 2000 & Up Suburban, Tahoe, Yukon,
 Yukon XL (1500, 2500)
Hummer AWD: 2002 - 09 H2
 2006 - 10 H3, H3T

GM TRUCK/VAN CAM ADJUSTING TOOL

45940

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.



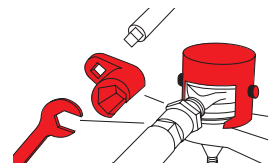
APPLICATIONS

Chrysler: 1993 - 97 Concorde
 1994 - 97 LHS, New Yorker
Dodge: 1993 - 97 Intrepid
Eagle: 1993 - 97 Vision

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.

LH TOE TOOL

55600



APPLICATIONS

Chrysler: 1998 - 01 LHS
 1999 - 04 300M, Concorde
Dodge: 1998 - 04 Intrepid

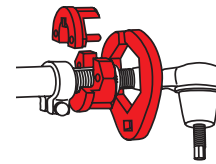
57720 Replacement insert Kit (includes 2 inserts)

Use 23600 replacement sleeve if the sleeve is damaged (page 71).

The 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.

LH TOE TOOL

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

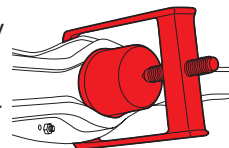
APPLICATIONS

Acura: 1994 - 01 Integra
Honda:
 1988 - 00 Civic
 1988 - 92 CRX
 1992 - 97 Del Sol

HONDA BUSHING EXTRACTOR

65100

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.



66025**CHRYSLER BUSHING PRESS SLEEVES**

These adapter sleeves are designed to be used with the **40920** Performance Ball Joint Press (page 161). It is designed specifically to remove the stock rear control arm bushings and to install our Offset Rear Camber Bushings, Part No. **66050** (page 80) used on the newer Chrysler LX platform cars.

67647**SUBARU/SCION TOE PRESS ADAPTER**

The OE rear toe link bushing on many Subarus and the Scion FR-S can be easily removed when using the 67647 Bushing Press Adapter. Our Eccentric Toe Bushings (part #**67660** page 93) can then be installed using the adapter and a **72509** Ball Joint Press (pg 165), **40920** Performance Ball Joint Press (pg 161), 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 169), for longer cutter life.

**68750**

Replacement cutters (3) - 3/8"

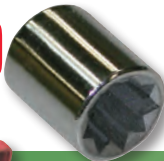
68780

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 127.

APPLICATIONS**68880** – 1-29/32" opening for Plymouth/Dodge**68890** – 2-9/64" opening for Chrysler**69330****HONDA CLEARANCE ARM SOCKET**

This special 10 point socket is needed when removing the OE rear lower control arm on 2001 to 2005 Honda Civics, 2003 to 2011 Elements, 2002 to 2006 CRVs and 2002 to 2006 Acura RSXs. Included with Part No. **69300** and **69400** (page 95).

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

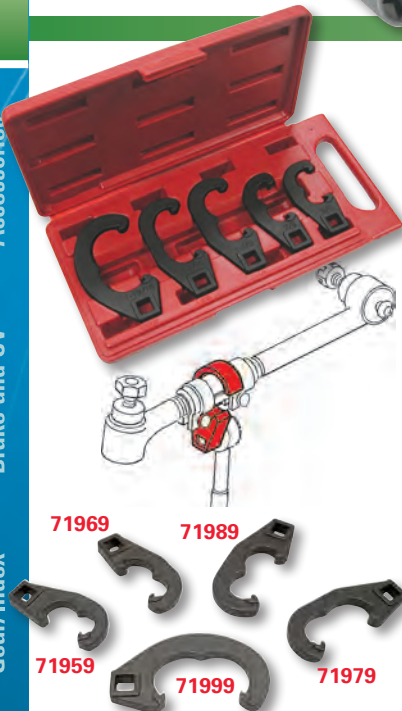
71989

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

71989

71959

71999

71979

APPLICATIONS

BMW: SPC Part #72065, #72070, #72080, #72090, #72180, #72190

Mini Cooper: #67620, #67630

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. 100 & 102) and Mini Coopers (pg. 92).



72095

APPLICATIONS

Porsche: SPC Adjustable Arms Part No. 72610 pg. 106

GM Muscle Car: SPC Adjustable Arms Part Nos. 97110, 97120, 97130, 97140 pg. 132

Part Nos. 97150, 97170 pg. 131
Builder Ball Joints: pg. 155

SPANNER WRENCH 3/8" DRIVE

This tool is a must when servicing rebuildable ball joints from SPC. The 30mm spanner wrench has 5mm pins and is specifically designed for SPC's p/n **72610** Porsche arms, GM Muscle Car arms and Builder Series ball joints. The steel spanner features a 3/8" square drive to make removing the ball joint retainer cap fast and easy. Use this tool in conjunction with a torque wrench to set ball joint preload and stud turning torque to where you want it or on any project that needs this size spanner.



72120



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
- 4438** Forcing Screw
- 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



72509

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 117) 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



SPC encourages new product requests, new application suggestions, and other ideas that techs and installers may have to improve and expand our product line. The GMC Express Van Tool (page 163) is one of our tech's ideas brought to market. Your idea could be the next best thing.

Techs Talk - We Listen



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
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

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: 76615, 76620, 76625, 76630, 76635, 76645, 76650. 76655

76900 ten piece set includes: 76615, 76620, 76625, 76630, 76635, 76645, 76650, 76655, 76665, 76670

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.

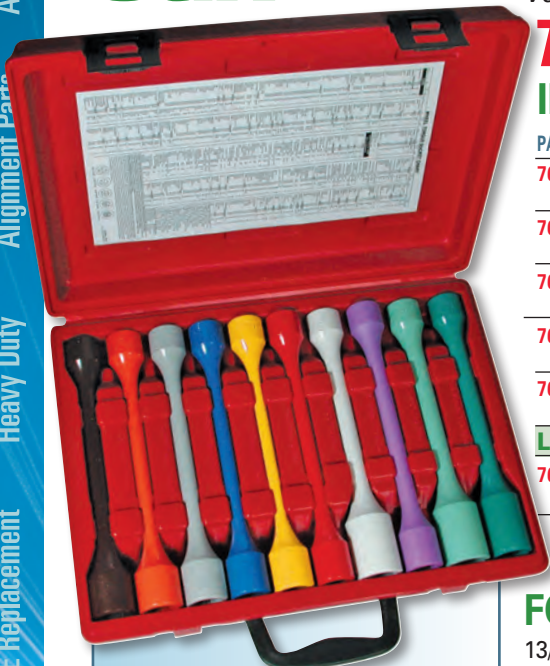
75560 FORD SUPER DUTY EXTENSION

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



- 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.



70050 TORQUE STIX CHART

Find out your correct torquing specs quickly and easily with this handy chart.



Applications
Alignment Parts
Heavy Duty
OE Replacement
Racing/Builders
Tools
Accessories
Brake and CV
Gear/Index

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.

74600 Double Box End
For **24220, 24230** - Adjusts the inner sleeve.

ADJ. SLEEVE WRENCHES

These wrenches make presetting our adjustable truck sleeves (page 73) 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
74600

APPLICATIONS

Cadillac RWD/4WD: 1999 - 01 Escalade
Chevrolet/GM RWD/4WD:
1988 - 00 1500, 2500, 3500
1992 - 94 Blazer (Full Size)
1996 - 02 Express & Savana Van
1988 - 91 Jimmy (Full Size)
1992 - 99 Suburban; 1995 - 99 Tahoe
1992 - 99 Yukon

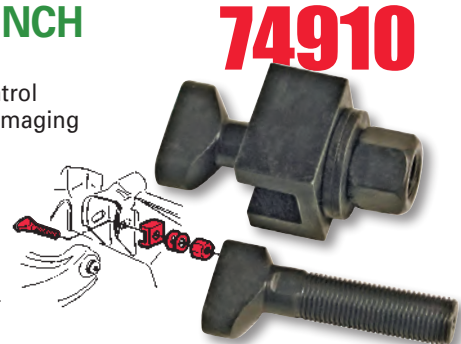
Chevrolet/GM AWD:
1990 - 01 Astro & Safari Van

Jeep RWD/4WD: 2007 - 18 Wrangler (JK)

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

74920
12mm bolt / ± 4 mm offset

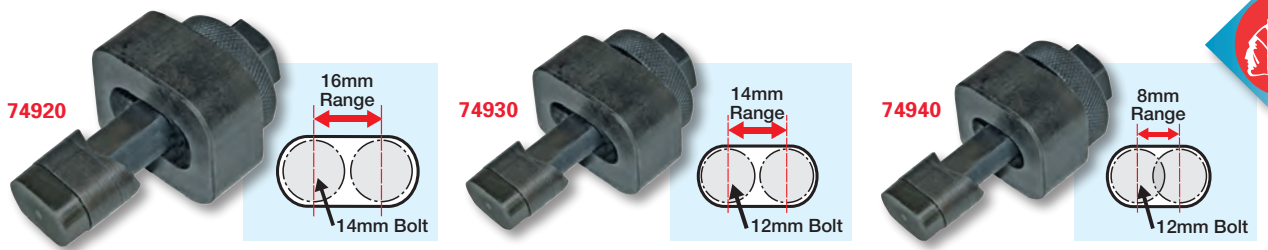
74930
12mm bolt / ± 7 mm offset

74940
14mm bolt / ± 8 mm offset

PUNCH TOOLS

Use an SPC slot punch to elongate a hole and get the change you need. Whether the OE left you an upset that won't break out, didn't give you a large enough slot, or didn't give you a slot at all, use this high quality tool to quickly and easily punch one. Made on the USA with tight tolerances and high quality bearings these punches are built to last.

74920
74930
74940



EZ SHIM™ CUTTER

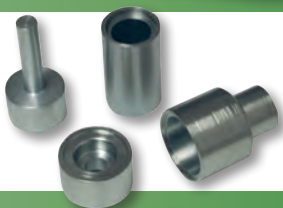
This cutter, a must for properly cutting our EZ Shims™ (page 109), is a great tool for a variety of cutting needs. Its thin cutting blades help prevent breakage and waste.



75915

HONDA ADAPTERS

Honda Adapter **#75980** is used in conjunction with the **72509** Ball Joint Press (page 165) and are used with the **67465** Honda Civic Camber Kit on page 87. 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 SETS

These Mercedes Rear Bushing Press Adapter Sets are designed for quick, easy removal of the OE rear control arm bushings and for the insertion of SPC's new adjustable camber bushings. These tool sets are a must for any shop servicing Mercedes vehicles.

75990 - For **28840** (page 77) includes adjusting wrench
76000 - For **28850, 28855 and 28860** (page 77)



75990
76000

76750

TORQUE LIMITING IMPACT EXT. SET

This convenient 8 piece Torque Limiting Extension And Protective Impact Socket Combo Set will have your wheel torque needs covered. It includes the most common wheel mounting socket and torque limits in one great tool kit. The lug nut sockets include protective sleeves and inserts to prevent wheel damage, and are color coded for quick reference. The 1/2" drive set consists of 4 Torque Limiting Extensions: 90, 100, 110 and 120ft/lbs AND 4 Protective Lug Nut Impact Sockets: 17mm, 19mm (3/4"), 21mm (13/16"), and 7/8". Packaged in a blow-molded plastic case.



77350

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. 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.



77880

FORD/DODGE/RAM COMBO SLEEVE PULLER

This sleeve puller will pull both OE 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.

APPLICATIONS

Dodge: 2500 & 3500
Ford: Twin I-Beam w/upper and lower ball joints

CAUTION: Not for use with impact wrenches (air tools).



79230
79240

DEEP, THIN WALL FLIP SOCKETS

These 1/2" square drive impact sockets are deep and thin walled to reach areas conventional sockets can't. Each part number provides two sizes.

79230: 3/4" and 13/16"

79240: 19mm and 21mm



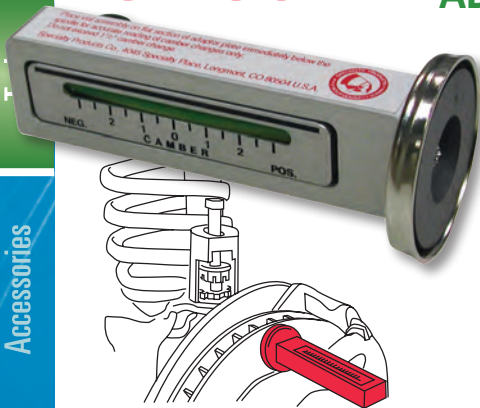
81139

MAGNETIC ADJUSTABLE CAMBER GAUGE

The 81139 is inexpensive, portable, and very accurate. It has a simple leveling adjustment of ±3°. 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 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.
- Check camber change before, during and after EZ Cam™ (page 110) installation, saving time and money!



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!



Passenger cars and light trucks
Wheel Weight Tool #837000 (pg. 159)

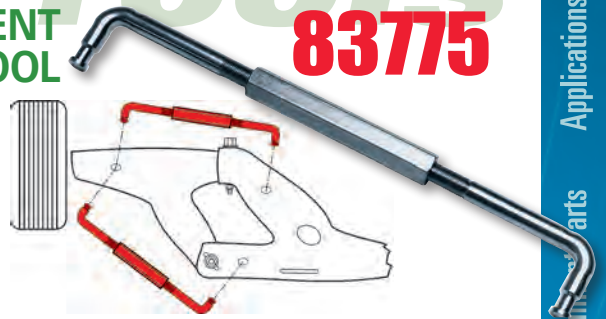
APPLICATIONS

Adjust front camber/caster

- Cadillac:** 2003 - 08 CTS, CTS-V
2004 - 09 SRX
- Chevrolet:** 1993 - 02 Camaro
- Pontiac:** 1993 - 02 Firebird, Trans Am
- Adjust rear toe**
- Buick:** 1979 - 93 Riviera
- Cadillac:** 1980 - 92 Eldorado, Seville
- Oldsmobile:** 1978 - 92 Toronado

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.



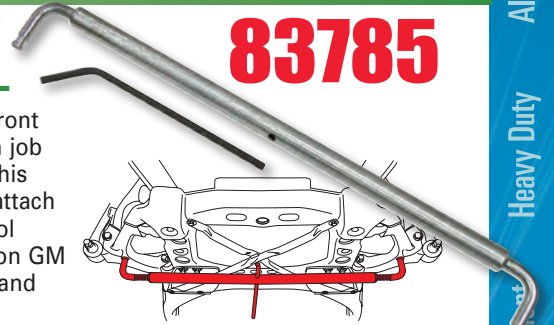
83775

APPLICATIONS

- Buick:** 2004 - 07 Rainer
- Cadillac:** 2003 - 13 CTS, CTS-V
2005 - 11 STS
2004 - 09 SRX
- Chevrolet:** 2004 - 06 SSR
2002 - 09 Trailblazer
- GMC:** 2002 - 09 Envoy
- Isuzu:** 2003 - 07 Ascender
- Oldsmobile:** 2002 - 04 Bravada
- Saab:** 2005 - 09 9-7X

GM CAMBER/CASTER TOOL

Save time and make adjusting front camber and caster a one-person job on popular GM platforms with this turnbuckle design tool. Simply attach the tool to the front lower control arms and dial in finite changes on GM mid-size SUV's, the Chevy SSR and the Cadillac CTS/CTS-V.



83785

APPLICATIONS

- Ford RWD/4WD:** 2003 - 06 Expedition
- Lincoln RWD/4WD:** 2003 - 06 Navigator

FORD SUV CAM ADJUSTING WRENCH

This steel wrench is specifically designed to adjust the **86640** Camber/Caster Kit (page 123). Plated for durability.



83820

APPLICATIONS

- Buick:** 1988 - 04 Regal
- Cadillac:** 2004 - 09 SRX
- Chevrolet:** 1990 - 01 Lumina Sedan
1995 - 99 Monte Carlo
- Oldsmobile:** 1988 - 97 Cutlass/Supreme
- Pontiac:** 1995 - 96 Grand Prix

GM REAR TOE TOOL

Tool allows quick, precise, and profitable adjustments of rear toe on both left and right sides of GM vehicles.



83850

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)

Rotary Files



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. 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 99, 100, 103 and 104). Also is perfect when installing our Mustang Caster Bolts (page 105) and our Ford Crown Vic Front Cam Kit (page 124). Use with **85774** Cool Tool cutting fluid (below).



COOL TOOL FLUID 85774

This fluid lubricates the single rotary files and **85125** and **85130** rotary file sets (above), and the **68670** Rotor-Bor (page 160) 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.



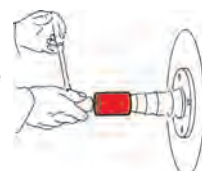
Tools

85796

3 IN-1 SPINDLE PULLER



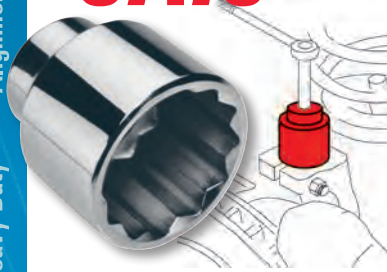
85796 is a 3-in-1 puller that makes removing the spindle from four wheel drive vehicles much easier. This puller fits spindle sizes 1-1/2", 1-5/8" and 2" spindles that are OE on 4x4 trucks.



CAUTION:
Not for use with impact wrenches (air tools).

87175

TRUCK SLEEVE SOCKET



This 1-1/2" socket is useful for adjusting both the OE and our popular 23130 and 23180 sleeve series (see page 69) for Ford and Mazda RWD and 4WD trucks with pinch bolt style suspension. For 1/2" drives.

APPLICATIONS

- Dodge RWD:** 1994 - 99 3500 Ram w/Mono
- Dodge 4WD:** 1994 - 99 2500HD, 3500 Ram
- Ford RWD:** 1990 - 90 Bronco II (Late 90) 1992 & Up E150, E250, E350, E450 2000 - 05 Excursion; 1987 - 96 F150 1998 - 13 F250, F350 Twin I-Beam; 1987 - 98 F250, F350
- Ford 4WD:** 2000 - 05 Excursion 1999 - 04 F250, F350 Solid Axles/Leaf Springs 1992 - 98 F350 Crew Cab
- Ford RWD/4WD:** 1999 - 04 F450, F550; 1991 - 94 Explorer

87320

FORD/MERCURY REAR BUSHING ADJUSTING TOOL



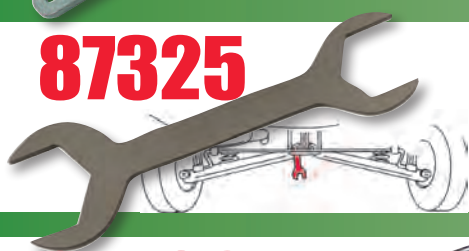
Many popular Taurus/Sable sedans utilize our 87330 Rear Camber/Toe Kit (page 123). The 87320 Bushing Adjustment Tool allows easy access to the head of the eccentric bushing to ease adjustment.

APPLICATIONS

- Ford:** 1986 - 07 Taurus Sedans
- Mercury:** 1986 - 07 Sable Sedans

87325

TAURUS & TEMPO REAR TOE WRENCH



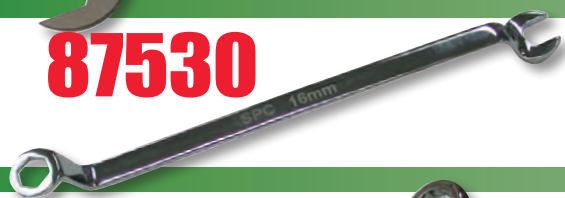
This tool allows quick, precise, and profitable adjustments of OE rear toe on both sides of Ford and Mercury Sedans.

APPLICATIONS

- Ford:** 1986 - 07 Taurus Sedan 1986 - 94 Tempo Sedan
- Mercury:** 1986 - 07 Sable Sedan 1986 - 94 Topaz Sedan

87530

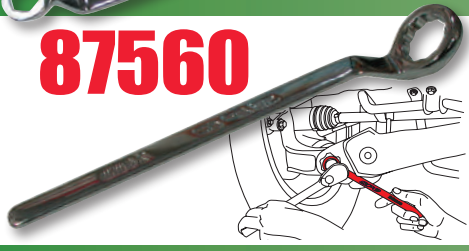
VW SHIM WRENCH



Designed to remove the rear hub when installing our 71520 and 71530 Series Volkswagen shims (page 96). This wrench is a must in assisting the installer when using these camber and toe shims.

87560

HONDA 24MM TOE ADJUSTING TOOL



This tool makes rear toe adjustment easy on many late model Hondas. The 24mm wrench can also be used on the new Acura ILX and Mini Coopers.

APPLICATIONS

- Acura:** 2013 & Up ILX
- Honda:** 2006 - 15 Civic 2007 - 16 CR-V 2003 - 11 Element
- Mini Cooper:** 2002 - 13 Cooper/Cooper S, Conv., Clubman

87565

REAR TOE ADJUSTING TOOLS

Quickly and easily adjust rear toe with this tool from SPC. Simply use your 1/2" drive socket wrench to drive change on the rear toe adjustment brackets and save time on every alignment.

APPLICATIONS

- 87565**
BMW: 3-Series (E46) and Z4 models
Equivalent to BMW tool #83300493306 and Bosch tool #323030.
- 87566**
MINI: All Mini Series
Equivalent to BMW tool #83300494002 and Bosch tool #324200.
- 87567**
BMW: 3-Series (E36)
Equivalent to BMW tool #88-9180.

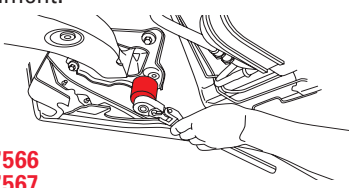
87566

87567

87565



87566
87567

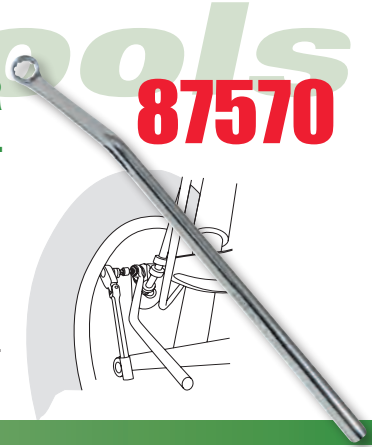


APPLICATIONS

Audi: 2009 - 16 A4/S4,
A5/S5
2012 & Up A6
2012 & Up A7
2011 & Up A8

AUDI REAR CAMBER ADJUSTING TOOL

This custom tool makes adjusting the OE camber cams on the rear of Audis a snap. Even with tires on and the suspension loaded you will be able to access and tighten the nut. Simply loosen the cam bolt, adjust the camber bolt with the bolt's hex pilot, then hold it in place with the hex while you tighten the nut with SPC's custom 12-point box end wrench. The 87570 tool is angled to allow maximum access and clearance for rear camber adjustment.



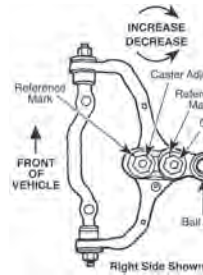
1/2" Drive

APPLICATIONS

Ford: 1992 - 02
Crown Victoria
Lincoln: 1991 - 02 Town Car
Mercury: 1992 - 02
Grand Marquis

CAMBER/CASTER WRENCH

This unique camber and caster adjustment tool fits full size RWD Ford vehicles. Starting in the early 90s Ford RWD vehicles required 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.



88325



APPLICATIONS

Dodge/Ram RWD/4WD:
2008 & Up 4500, 5500
Sterling Bullet RWD/4WD:
2008 - 11 4500, 5500

DODGE/RAM PIN JOINT ADJUSTING WRENCH

The 2-3/8" flat hex wrench is designed to make the installation of the 23850, 23852 and 23854 (page 72) Dodge/Ram pin joints quicker and easier. Use a 1-1/2" socket to hold your adjustment and then tighten the jam nut with this tool.



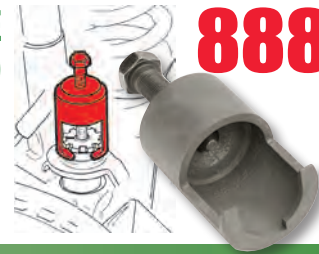
88360

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 168 for OE Sleeves).

FORD/DODGE SLEEVE PULLER (AFTERMARKET)

This puller is designed to work specifically with the 23100 (page 68) sleeves. It will allow the technician to pull the sleeves without normally breaking the ears off the sleeve.



88830

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.

1-3/16" hex tool - for inner tie rod ends on Ford Escort, Tempo, Topaz, Lynx.

1-5/16" hex tool - designed for inner tie rod ends on 1986 - 07 Taurus/Sable.

1-7/16" hex tool - designed for GM Saginaw rack and pinions.

CAUTION: Not for use with impact wrenches (air tools).

INNER TIE ROD END WRENCH SET

Set includes a Dual Socket Inner Tie Rod Removal Tool along with 1-3/16", 1-5/16" and 1-7/16" hex tools.

1-3/16" Hex 1-5/16" Hex 1-7/16" Hex



89000



Dual Inner Tie Rod Removal Tool

APPLICATIONS

Ford: 1986 - 05 Taurus
Station Wagon
Mercury: 1986 - 05 Sable
Station Wagon

FORD STATION WAGON REAR TOE TOOL

Taurus and 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.



97650

Tools

91000
91010
91025

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 ±4° / Caster -4° to +12°.
- Saves time and tires.
- Accurate, rugged and easy-to-use



91010



91025

91000 Standard - Fits wheels 13" to 17"
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 17"
Align off-road wheels - tire sizes up to 44".
Includes longer toe arms, bungee cord & tape measure.

91030 No lip adapter
A quick adapter to attach the FasTrax 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 Page 142 for more

If you do these jobs at your garage - you need the FasTrax Camber/Caster Gauge!

- Install adjustable control arms
- Replace idler arms and tie rod ends
- Replacing struts
- Install adjustable bushings
- Collision repair estimates
- Frame straightening

SPC'S Alignguide™ is the perfect companion for our FasTrax. For more on this alignment specification app see page 179.



We have a FasTrax for your use:

- Garage
- Racing
- Performance
- Off-Road
- Muscle
- Semi's



91000
w/91100



91025

91100



FASTRAX™ TOE ADAPTER SET

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 using two FasTrax with Toe Adapters (use one on each side of the vehicle).

ACCESSORIES

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.



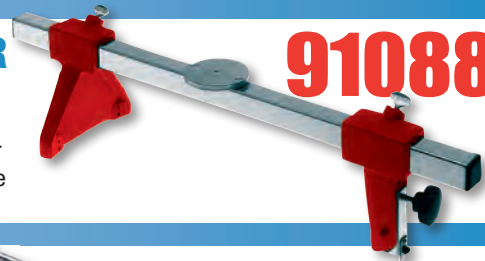
99684

SPC'S Alignguide™ is the perfect companion for our Wheel Alignment Gauge. For more on this alignment specification app see page 179.



MAGNETIC ALIGNMENT GAUGE ADAPTER

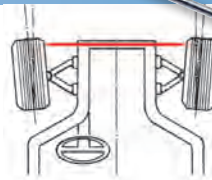
Fits all cars and light trucks with wheel diameters up to 20 in. This rim adapter is used when the hub is inaccessible. The adapter easily attaches to the rim, using built-in thumb screws, to provide a machined surface for accurate measurement of caster, camber and steering axis inclination (use with 99684 (above) caster/camber gauge).



91088

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.**



99918

APPLICATIONS

99361 extends 46-74 in. for light trucks & cars.
99374 extends 39-60 in. for standard and compact cars.

TOE MEASURING GAUGES

Spring-loaded gauges easily adapt to a variety of tread widths in order to give fast, accurate toe readings.



99361 99374

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.



77938

This product is not a locking device. Use with caution.

77928

77928 77938

This product is not a locking device. Use with caution.

APPLICATIONS

Cars and light trucks

DIMENSIONS

11" x 15-1/2" x 2"
Weight Limit: 5,000 lbs/wheel
Range: 100°

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.**

PT0750-14 - Replacement bearings - Order 56 for 2 Turntables



99750

Accessories

Applications
Alignment Parts
Heavy Duty
OE Replacement
Racing/Builders
Tools
Accessories
Brake and CV

99884



FRONT WHEEL STANDS (PR)

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

Base: 20-3/4" x 16-3/4"
Top: 15-1/2" x 11-3/4"
Height: 15-1/2" (with 99750 turntables)
Weight: 17 lbs. (Each)
Weight Limit: 2,500 lbs/wheel

99886



REAR WHEEL STANDS WITH SLIP PLATES (PR)

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

Top: 13-1/4" x 10-1/2"
Height: 15-1/2"
Weight: 28.5 lbs. (Each)
Weight Limit: 2,500 lbs/wheel

91851



REAR SLIP PLATES (PR)

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.**

DIMENSIONS

11-1/2" x 17-3/4" x 3/8"
Weight Limit: Unlimited if used on a flat solid surface such as cement or a steel rack
Motion Range: 2" front to back

99511 99512 99548



WA5119
11" Pointer

99511 &
99548

WA515-9L
17" Pointer

99516

99512

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** scribe.

99511

APPLICATIONS
Cars and light trucks

99512

APPLICATIONS
Trucks, buses, vans and RVs

99548

APPLICATIONS
Honda ATVs, Yamaha ATVs

POINTERS

WA5119 11" Pointer

WA515-9L 17" Pointer

99516



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.

We also carry Heavy Duty Turntables, Slip Plate Sets and Toe Bar Sets. Check out our complete Heavy Duty Truck Section on pages 134-144.



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	5	433795	3	Positive rake carbide bit.	 SPC Part # 06005 06010 40702 40706 40710	
		06010	10	433796	3			
All Tool	747	06506	6		3	Positive rake carbide bit.		
		06510	10		3			
Ammco	1000, 1001, 3000, 4000, 4100, 7000, 7700 On-vehicle lathe 700, 705, 710 Drum side on 3850	06202	2	6914-2	12	Negative rake carbide bit.		
		06206	6	6914-6	12			
		06210	10	6914-10	12			
	1000, 1001, 3000, 4000, 4100, 7000, 7700 On-vehicle lathe 700, 705, 710 Drum side on 3850	06610	10		12-18	Round bits for round tool holders.		
FMC-John Bean/Barrett	67BSD, 67DLX, 67GSA, 69DLX, 701ECF, 601PF FMC or Barrett 400, 500, 600, 700 500 Series On-The-Car Lathe 500 Series On-The-Car Lathe	40702	2	90487	3	Positive rake carbide bit with .020 radius. Left and right hand tool holders.		 SPC Part # 06506 06510 06202 06206 06210 10306
		40706	6		3			
		40710	10	90488	3			
		10306	6	91212	3			
Hofmann/RJ West	True-Cut 400/401	40702	2	722-83-4	3	Positive rake carbide bit.		
		40706	6		3			
		40710	10		3			
	660	06202	2	6914-2	12	Negative rake carbide bit.		
		06206	6	6914-6	12			
		06210	10	6914-10	12			
Hunter	BL500, BL501, BL505 201,205	06506	6	221-583-3	3	Positive rake carbide bit. For Rotors.	 SPC Part # 70210 90310	
		06510	10		3			
Kwik-Way	SDL, DL, 850 Disc Lathe, NDL, BDL, CBL Kwi-Lathe On-The-Car #108-0005-04 ROTUNDA, LINE-O-TRONICS	80206	6	109-1092-23	3	Positive rake carbide bits for rotor and drum.		
		80210	10		3			
Performance	66, 6600, 7100, 7200, 7600	06506	6	8711	3	Positive rake carbide bits for rotor and drum.		
		06510	10	8711	3			
Perfect Equipment	400 & 450 Twin Turn	40702	2	W139	3	Positive rake carbide bit.		
		40706	6		3			
Pro-Cut	Warthog, PFM 9.2 DRO, PFM 9.1 DRO 610 On-The-Car Lathe 610 On-The-Car Lathe	06906	6		3	Positive rake carbide bit for Ford.		 SPC Part # 06906 06910 80206 80210 70606
		06910	10	50-742	3			
Rels	SW504 Swing Arm	80206	6	SW4236-15	3	Positive rake 15 degree carbide bit.		
		80210	10		3			
	204C, 204D, 204S, 205DC, 415 2000	90310	10	29687V	3	Positive rake carbide bit.		
		06202	2		12			
RTI	BRC500, BRC550 BRC35 On-The-Car Lathe	06206	6		12	Negative rake carbide bit.		
		06210	10	45001	12			
		10306	6		3			
Snap-On	YA180, YA281	80206	6	BTK10A	3	Positive rake carbide bit.	 SPC Part # 06610	
		80210	10		3			
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.		
		90310	10	129687 866561	3			
VGB	610 On-The-Car Lathe	70606	6		3	Positive rake carbide bit.		



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.

SPC Part #
90203

00191

RIGHT HAND TOOL HOLDER

Fits **AMMCO** Model 7000 Disc Rotor Lathe; 3000, 4000, 4100 Drum Lathes and **HOFFMAN** Model 660. Complete with one Carbide Insert No. 062.



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

00192

LEFT HAND TOOL HOLDER

Fits **AMMCO** Model 7000 Disc Rotor Lathe; 3000, 4000, 4100 Drum Lathes and **HOFFMAN** Model 660. Complete with one Carbide Insert No. 062.



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

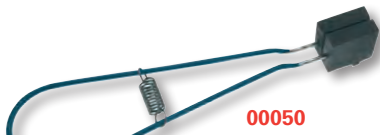
RIGHT HAND AND LEFT HAND TOOL HOLDERS



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



00050

00050 ON CAR BRAKE LATHE SILENCER

Designed for **Pro Cut** on car lathes, this silencer fits on top of the cutting tools, deflecting chips and damping chatter.



00069

00069 VENTILATED DISC SILENCER

Fits any ventilated rotor and is made of natural rubber with metal weight inserts. It easily wraps around rotor to deaden vibration and chatter.

DIMENSIONS: 32" long.



00070

00070 BENCH BRAKE LATHE SILENCER

This standard style silencer fits on top of the cutting tools, deflecting chips and damping chatter.



00080

00080 DRUM SILENCER

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

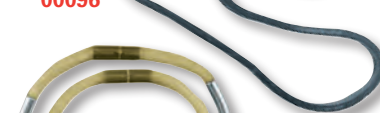


00085

00085 DRUM SILENCER

00085 is a heavy duty brake lathe silencer for use on truck drums.

DIMENSIONS: 2-3/4" wide, 72" long



00094, 00096

00094, 00096 SILENCER BANDS

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



00095, 00195

00095, 00195 VENTILATED ROTOR DISC SILENCERS

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:** - 9" diameter

00195: - 7" diameter



00098

00098 ADJUSTABLE VENTILATED ROTOR SILENCER

This adjustable silencer is made of latex tubing with lead weight implants.

DIMENSIONS: 32" long



00099

00099 ELASTIC ADJUSTABLE SILENCER

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



09800

09800 SPRING LOADED SILENCER

Replacement for **Ammco 9800** Spring Loaded Silencer

LATHE KNOB

Replacement knob for AMMCO Lathes (1 each).



06854

GAUGE FOR RUN-OUT SETS

This replacement gauge fits our stand-alone run out gauge (#64250 - below).



33174

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.

64250



Tire Radial Run-Out

- Measures out of round condition which can cause front end vibration
- Pinpoints high and low spots in the tire

Suspension/Ball Joint Play

- Measure kingpins, ball joints and tie rod end axial and radial play
- Use extender rods for hard to reach areas

Wheel Lateral Run-Out

- Check for bent or out of round wheels
- Out of round wheels may cause a shimmy condition

Brake Rotor and Hub Run-Out

- Measure brake rotor high spots and out of round
- Measure hub radial play



Machined roller & heavy duty tripod for smooth, accurate readings

Includes ball joint/ tie rod extenders

Also measures ball joint play (set-up pictured) and tie rod play Please refer to Specialty Products Wheel Alignment Specifications Book (part #82018) for ball joint specifications.

Specialty Products carries a complete line of alignment parts, tools and accessories for OTR Vehicles

From Tandem and Axle Shims to Wheel Centering Products SPC is your Heavy Duty Alignment Headquarters. See pages 134-144.



02099



CV BOOT CLAMP INSTALLATION TOOL

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 124).

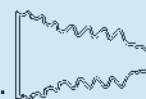
33001



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 Conicalution™ design features continuously rounded fluting that evenly distributes stress and reduces boot wear.



- Rapid Turnover
- Reduces Inventory
- Simple to Catalog
- Easy Ordering
- No Mix-ups
- Never Obsolete
- Saves Space
- Durable

33053 BOOT CLAMPS

Stainless steel replacement 19 inch bands in for securing the 33001 Uni-Fit boot.

33053 – (Set of 10) - 19 in.

Use our #02099 Boot Clamp (above) Installation Tool to make tightening these clamps easy!

32012



UNI-FIT REPLACEMENT BOOT ECONOMY PACK (SET OF 12)

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:

Use our #02099 Boot Clamp (above) Installation Tool to make tightening these clamps easy!

32012 - 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.

33020



UNI-FIT STEERING BOOT (PAIR)

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 four cable ties along with an installation cone to service both sides of the rack.

Specialty Products' parts, tools and accessories are available world wide!

Applications for many European, Asian and Latin American specific vehicles are available on our website. We also sell specific parts into these markets, such as our front upper adjustable control arms for the Isuzu D-Max (a popular SUV in Australia) and vehicle specific shims for the tuner/ modifier favorite, Renault Cleo, in Europe.



D-Max Front UCAs



Cleo Shims



AlignGuide™

Meet Specialty Products' Alignment App

AlignGuide™, by Specialty Products Company, provides manufacturers' alignment specifications for makes and models since 1985 as well as information on service parts that are available to correct any problems.

With a paid subscription to licensed OEM vehicle and parts databases, you will be able to **scan or enter a vehicle's VIN, enter the license plate ID, or pull down the year, make & model** to get the information you need to diagnose and correct an alignment problem and many suspension issues. Once your vehicle and preferred specifications have been identified you can quickly see illustrations of alignment adjustment methods and service parts to install.

AlignGuide's subscription specifications feature:

- Front Caster, Camber and Toe
- Rear Camber and Toe
- SAI and Turning Angle
- Suspension Height Specifications and Adjustment Illustrations
- Ball Joint Specifications
- Illustrated Methods of Alignment Adjustments

Take this mobile app and use it where you need it: your shop, the garage or at the track.



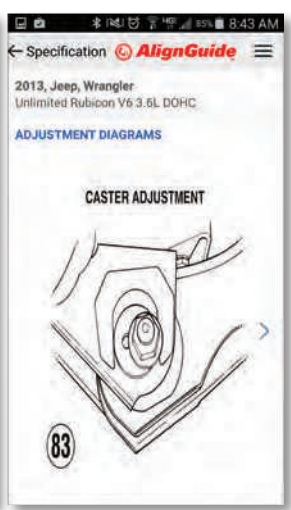
2013, Jeep, Wrangler
Unlimited Rubicon V6 3.6L DOHC

WHEEL ALIGNMENT SPECIFICATIONS

View SPC Parts: 74910 82390

Description:		FRONT		
		Min	PREFER	Max
Camber:	Left	-0.62°	-0.25°	0.12°
	Right	3.40°	4.40°	5.40°
Caster:	Left	3.20°	4.20°	5.20°
	Right			
Toe		0.16"	0.24"	0.32"

Front Camber Adjustment:
Rear Camber Adjustment:
Front Caster Adjustment:
Rear Toe Adjustment:





OFF-ROAD ADJUSTABLE ARM COUNTER MAT

Create off-road Adjustable Front Control Arm sales with our 'Demand the Best' counter mat. This high quality counter mat features our popular adjustable upper control arms for Toyota, Ford, Nissan and Chevy. These arms are the industry standard and more and more off-road customers are adding this important component to their builds. 11" x 17"

20106



HEAVY DUTY WHEEL CENTERING TOOLS COUNTER MAT

Create extra sales at the counter with this great teaching tool from SPC. This high quality mat explains the problems caused by off-centered wheel and the benefits of using our Wheel Centering Sleeves on one side and is a quick reference for our Tandem and Axle Shims on the other. 11" x 17"

20107



"BENEFITS OF A PROPER ALIGNMENT" TIRE WEAR 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 describes the benefits of proper alignment and alignment angles on one side and has a quick reference guide for our EZ Cams™ on the other. 11" x 17"

20107S Our "Benefits" Counter mat is also available in Spanish! • Nuestros "Beneficios" Counter mat como también disponible en español!

20108



"WHY DO YOU NEED A PROPER ALIGNMENT?" TIRE WEAR POSTER

All the alignment 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"

20109



TIRE DISPLAY INSERT

Great for marketing at all tire sales locations! Remind your customer to extend the life of their tire investment!

Heavy Card Stock Display for Showrooms. Can be used as a Tire Insert (16" to 18" Tires), Ceiling Hanger or Wall Poster.

20110



SPC MOUSE PAD

SPC's self-adhering Mouse Pad reminds counter people and installers to offer a Total Wheel Alignment to their customers, along with highlighting the benefits to the vehicle owner, such as prolonging tire wear, improve handling and safety and more. 7.5" x 8.5"

EZ CAM™ EZ SIZER MAGNET

This magnet sticks on the installer's tool box, out of the way, and is a quick reference tool for measuring the right EZ Cam™ for the job!



Gear 20503

S.A.I. DIAGNOSTIC GUIDE MAGNET

This informative magnet trouble shooting guide sticks on the installer's tool box, out of the way, and is a quick reference tool for understanding the effects of Steering Axis Inclination (S.A.I.) on alignment. This guide will help techs diagnose bent spindle assemblies and struts, determine if the top of the strut tower is correctly positioned, check if the control arms are bent and more.



20504

SIZES

PERFORMANCE - CREAM COLOR SHIRT

- 63000M** Medium
- 63000L** Large
- 63000XL** Extra Large
- 63000XXL** X-Extra Large

INDIAN HEAD LOGO - BLACK COLOR SHIRT

- 63010M** Medium
- 63010L** Large
- 63010XL** Extra Large
- 63010XXL** X-Extra Large

SPC PERFORMANCE GOLF SHIRT

High quality cream colored shirt with SPC Performance red logo embroidered on the front.

TRADITIONAL GOLF SHIRT

High quality black golf shirt with our traditional 'Indian Head' logo embroidered on the front.



63000

63010

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

SPC RETRO BAR STOOL

This custom backless bar stool is a perfect addition to any shop. 30" high with chrome legs and a Specialty Product Company logo imprinted on the vinyl seat. *Some assembly required.*



63012

SIZES

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
- 66070XXL** X-Extra Large

SPC 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. *Note: Jacket availability may be different than pictured.*



66010

66070

SPC SAFETY GLASSES

Popular safety glasses with wraparound lenses.

- Frameless, anti-scratch lenses for optimum vision.
- Guaranteed non-slip fit.
- 99.9% UV protection.
- Meets ANSI Z87.1+.



66020

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.



SIZES

- 66020S** Small
- 66020M** Medium
- 66020L** Large
- 66020XL** Extra Large

66065 66074

SPECIALTY PRODUCTS COMPANY T-SHIRTS

Take your choice from two heavy duty t-shirts. Choose from a classic black 'tee' with our Indian Head logo printed on the front, or our SPC Performance 'tee' in dark heather grey with a modern SPC Performance logo and vehicle graphic on the front.



SIZES

INDIAN HEAD LOGO -

- 66065M** Medium
- 66065L** Large
- 66065XL** Extra Large
- 66065XXL** X-Extra Large

SPC PERFORMANCE - GREY W/ GRAPHIC VEHICLE IMAGE ON FRONT

- 66074M** Medium
- 66074L** Large
- 66074XL** Extra Large
- 66074XXL** X-Extra Large

67001 67002 67008

SPECIALTY PRODUCTS/ SPC PERFORMANCE VINYL

Vinyl stickers that proclaim you have the best in suspension parts. These stickers look great whether you use them for your quarter panel, bumper, side window or just to put on your tool box.

DIMENSIONS

- 67001** White cut vinyl - SPC Performance - 2" x 6"
- 67002** Red printing on White Base - SPC Performance - 1.5" x 5"
- 67008** SPC Performance Bumper Sticker - Red/Black 2.25" x 8.5"



88034 88036

88034 TRADITIONAL BANNER

This 4' x 2.5' flag type installer banner is light weight and durable. Complete with grommets in all 4 corners, this banner is a great way to get out the word that your shop provides full alignment services, while informing the customer the benefits of having a full alignment service.



88034

88036 PERFORMANCE BANNER

No hiding with this 4' x 2.5' banner. In black and red, this lightweight SPC Performance banner lets everyone know that you have the best in performance alignment parts. Durable, with grommets in all 4 corners, this banner is a great way to get out the word that your shop knows performance alignment and suspension tuning.



88036

Training is your Future

We have various training options available to technicians including our popular in-house training classes (see page 3 for more info):

Basic Alignment

This three day Basic course which consists of presentations and demonstrations along with hands-on instruction is designed for Technicians with less than one year of hands-on alignment experience.

Advanced Alignment

This two day Advanced course which consists of presentations and demonstrations along with hands-on instruction is designed for Technicians working in the trade for a period of at least two years.

Local 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 trainers provide specific alignment and suspension information on newer as well as problematic vehicles.



Save Your Box Tops - Earn Great Stuff

For each box top you send in you can earn points toward great SPC Gear or VISA® Debit Cards. You can also earn entries into our quarterly contests where you can win VISA® Debit Card or our Grand Prize - *a trip for 2 to the SEMA show in Las Vegas.*



For Professionals - By Professionals

Pioneering the alignment parts business in 1971, Specialty Products has lead the industry for over 45 years. Preferred by professional installers for its innovation, quality, and service Specialty Products is the industry's first choice in alignment parts and tools.

SPC Performance parts and tools have been engineered to assist installers that need to correct suspension angles on racing, street rod, muscle car, off road, sport and sport compact vehicles. These parts give suspensions a true advantage with optimal tracking and handling in professional chassis set ups.



Ford D3
Platform Rear
Camber Ball
Joint Page 94

10th Gen
Civic Arm Page 88

All products from Specialty Products Company are intended for use by professional installers only.

Learn more about suspension and steering service tools we have.