



Performance

Camber

Toe

Caster

Off-Road

Domestic

Heavy Duty

Import

Muscle

Racing



**Specialty
Products
Company®**

**Total Wheel
Alignment
Sourcebook™
2017-2018**

12030 - SPC Non-Adjustable Replacement Part



67487 - SPC Adjustable Part



OE Replacement Parts

Specialty Products is expanding our line to include select OE replacement parts (pages 142-145). As we design adjustable parts for vehicles, SPC's engineers refer to the OE parts for fitment and OE ride quality. As these parameters are met, SPC is seeing opportunities in co-designing a non-adjustable replacement part, often at substantial savings over the cost of an OE part. With the introduction of our xAxis™ Sealed Flex Joints SPC has the ability to retain factory ride quality standards on many adjustable and replacement parts.

Along with select replacement parts Specialty Products offers replacement bolts for problem applications. Installers often encounter trapped or damaged bolts when replacing suspension components. SPC's technicians identify these problem fasteners and recommend replacement bolts to ease in the installation of our adjustable or replacement parts.

New Alignment Parts and Tools

Look for our "New" logo throughout this Sourcebook for the latest in alignment technology. Over 60 new parts and tools have been added including:



Adjusting Sleeve Wrenches	163	Mazda3 Rear EZ Arm XR	82
Audi and VW Front Multi Link Set	107	Mercedes E & C Class Rear Camber Kit	73
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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

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OE REPLACEMENT 142-145

Specialty carries OE replacement suspension components.

To get your alignment in the green you may just need to replace an OE part that is worn. Check to see if SPC has it and get the quality you expect.

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SPC is the builder's choice for the best in suspension components. From adjustable, rugged upper control arms to our Builders Series featuring xAxis™ Sealed Flex Joints and rebuildable ball joints.

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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 169-170

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 171-174

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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SPC GEAR & INDEXES 175-184

Check out our new AlignGuide™ 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™

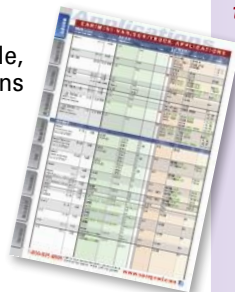
This Sourcebook has been designed with you in mind. Each section has tabs that allow you to quickly flip to the section you need without having to look through the entire Sourcebook. But it is a good idea to review the entire Sourcebook to check out new products and solutions for all your alignment needs.

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 179. 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.



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

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.

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 7-60) 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!



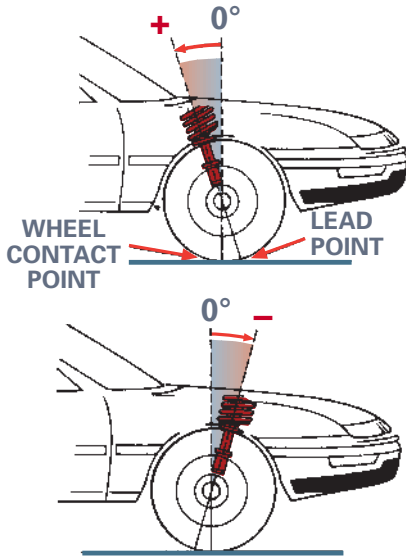
FIELD TRAINING

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.

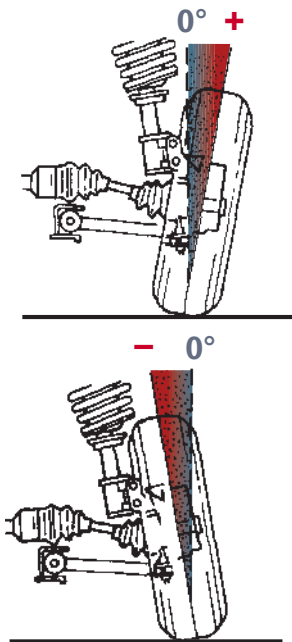
SYMPTOMS OF NEG. CASTER:

- (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
(4) Strut Rotation	(8) Cam Bolts	Joins

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

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

TOO MUCH POS. CAMBER CAUSES:

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

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

TOO MUCH NEG. CAMBER CAUSES:

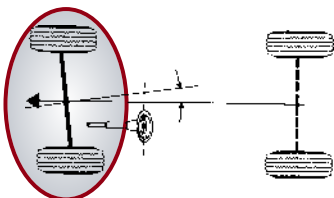
- (1) Wear on the inside portion of the tire.
- (2) Extra wear on the suspension parts with negative camber
- (3) The vehicle will pull to the side with the **most positive** camber.

UNEQUAL CAMBER From side to side causes:

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

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

Setback



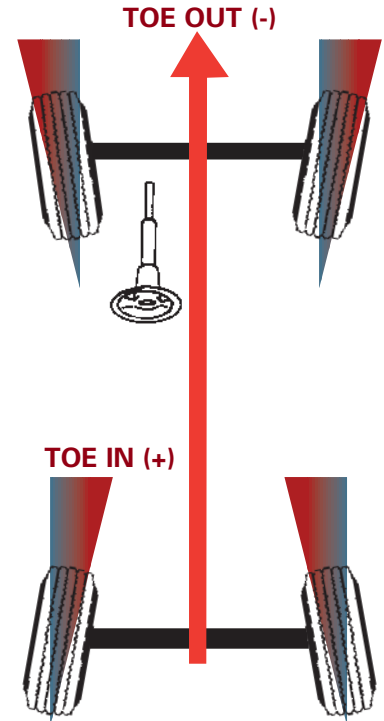
DEFINITION: One wheel set back further than the other.

SETBACK IS CAUSED BY:

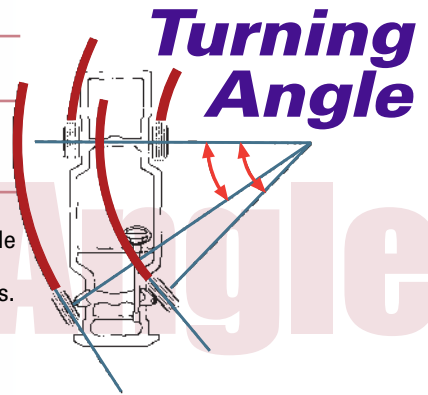
- (1) Manufacturer (sometimes they build them this way).
- (2) Collision.

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

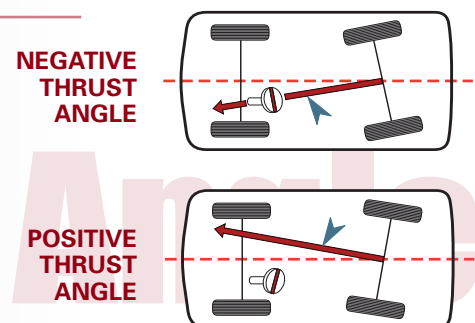


DEFINITION:	The relative position of the front wheels during a turn.
REFERRED TO AS:	(1) Toe out on turns (2) Turning radius
PURPOSE:	To prevent tire side slip. To prevent excessive tire wear. To prevent tire squeal on turns.
DIAGNOSE FOR BENT PARTS:	If readings differ more than 1-1/2° from specifications 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 75).

Thrust Angle



S.A.I.

I.A.

Scrub Radius

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

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

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

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

DEFINITION OF I.A. (Included Angle):

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

DEFINITION OF SCRUB RADIUS:

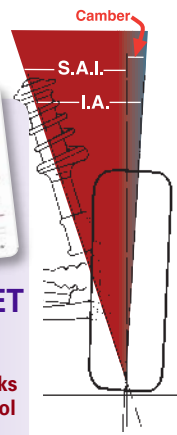
When compared at ground level, the distance between the S.A.I. line (drawn through the steering pivots) and the centerline of the tire tread is called the Scrub Radius. When this line is toward the inside of the tread, the vehicle is said to have Positive Scrub Radius. When the line is toward the outside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

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

PURPOSE:

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

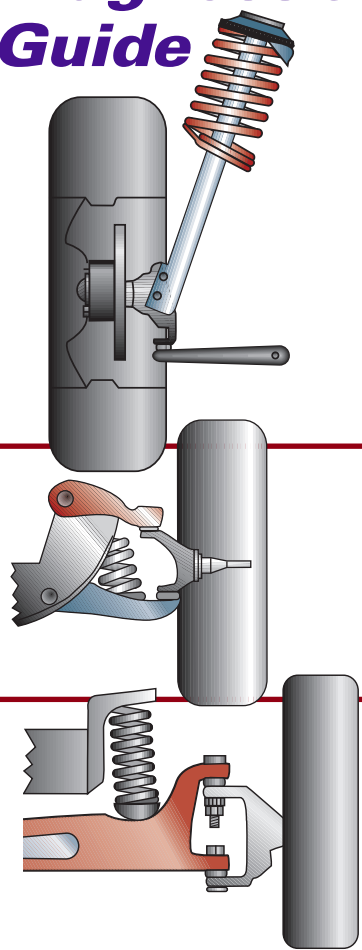
S.A.I., I.A. and Camber can be used to locate areas of the strut system on unibodies which may have damaged or misaligned parts. I.A. (Included Angle) is used to determine if there is a damaged spindle or strut tube. The S.A.I. (Steering Axis Inclination) is used to determine if the unibody is misaligned.



S.A.I. MAGNET

This informative magnet trouble shooting guide sticks on the installer's tool box. Find out more on page 177.

S.A.I. Diagnostic Guide



MACPHERSON STRUT SUSPENSIONS

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

SHORT/LONG ARM SUSPENSIONS

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

FORD TWIN "I-BEAM" SUSPENSIONS

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

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

ACURA			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
CL	01-04	FWD	67090	OEMA	78	N/A	67125/40920 67320(8)/40920	79/157 82/157	
CL w/33.5mm Front BJ Dia.	97-99	FWD	67065 67265(8)	OEMA	78 80	84690, 84695	67145/40920 67340(8)/40920	113,79/157 82/157	
CL w/35.3mm Front BJ Dia.	97-99	FWD	67065 67265(8)	OEMA	78 80	84690, 84695	67125/40920 67320(8)/40920	113,79/157 82/157	
CSX	06-11	FWD	67465/75980, 72509 67466 67475	OEMA/ 87560	83/163,161 84/166 84	N/A	81260	105	
EL	03-05	FWD	67230 69300(22)/69330(14)	OEMA	80 90/160	N/A	81280	105	
EL	01-02	FWD	67230 69300(22)/69330(14)	OEMA	80 90/160	N/A	81260	105	
EL	97-00	FWD	67030 69100(22)	OEMA 69250 69450	77 90,91 91	62010	62010 67135/40920 67330(8)/40920	75,75 79/157 82/157	
Integra 65100, rear trailing arm bushing extractor available pg 159	94-01	FWD	67030 69200(23)	OEMA 69250 69450	77 90,91 91	N/A	67135/40920 67330(8)/40920	79/157 82/157	
Integra	90-93	FWD	67030 69200(22)	OEMA 69250 69450	77 90,91 91	N/A	67135/40920 67330(8)/40920	79/157 82/157	
Integra	86-89	FWD	N/A	N/A		N/A	N/A		
ILX	13-17	FWD	67465/75980,72509 67466 67475	OEMA/ 87560	83/163,161 84/166 84	N/A	81280	105	
Legend	91-96	FWD	N/A	OEMA		N/A	67135/40920 67330(8)/40920	79/157 82/157	
Legend	86-90	FWD	N/A	OEMA		OEMA	N/A		
MDX	14-17	FWD/AWD	23450	OEMA	67	N/A	N/A		
MDX	07-13	AWD	67570	OEMA	87	N/A	81295	105	
MDX	01-06	AWD	67290	OEMA	81	N/A	81280	105	
NSX	91-06	RWD	OEMA	OEMA		OEMA	OEMA		
RDX	07-17	FWD/AWD	N/A	OEMA		N/A	81280	105	
RL	05-13	AWD	N/A	OEMA		N/A	OEMA		
RL	96-04	FWD	67090	OEMA	78	N/A	67135/40920 67330(8)/40920	79/157 82/157	
RLX	14-16	FWD/AWD	N/A	OEMA		N/A	N/A		
RSX VIN 2C003183 or earlier	02-02	FWD	67230 69400(22)/69330(14)	OEMA	80 90/160	N/A	81260	105	
RSX VIN 2C00318184 and later	02-06	FWD	67230 69400(22)/69330(14)	OEMA	80 90/160	N/A	81280	105	
SLX	96-00	RWD/4WD	N/A	N/A		47700(*)	47700(*)	75,75	
TL (Inc. SH-AWD) 67550 or 67555 must be used with 67540	09-14	FWD/AWD	67540 67545(12)	OEMA 67540 67550 67555	86 86,86 86 86	N/A	67135/40920 67330(8)/40920	79/157 82/157	
TL (Inc. Type S)	04-08	FWD	67095	OEMA 67295	78 81	N/A	67125/40920 67320(8)/40920	79/157 82/157	
TL (Inc. Type S)	99-03	FWD	67090	OEMA 67295	78 81	84690, 84695	67125/40920 67320(8)/40920	113,79/157 82/157	
TL 2.5 (Inc. Type S)	96-98	FWD	67065 67265(8)	OEMA	78 80	84690, 84695	67125/40920 67320(8)/40920	113,79/157 82/157	
TL 3.2 (Inc. Type S)	96-98	FWD	67065 67265(8)	OEMA	78 80	84690, 84695	67135/40920 67330(8)/40920	113,79/157 82/157	
TLX	15-17	FWD/AWD	N/A	OEMA		N/A	N/A		

BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD ©2017 Niwot Corp. dba Specialty Products Co.®
Alignment Footnotes on page 60 • N/A = No Available Adjuster • OEMA = Original Equipment Manufacturer Adjustment • (*) = Series P/N, see
page for size **All products from Specialty Products Company are intended for use by professional installers only.**

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

ACURA-cont.

ACURA-cont.		REAR				Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
TSX <i>67550 or 67555 must be used with 67540</i>	09-14	FWD	67540 67545(12)	OEMA 67540 67550 67555	86 86,86 86 86		N/A	67135/40920 67330(8)/40920	79/157 82/157
TSX	04-08	FWD	67290	OEMA 67295	81 81		N/A	67125/40920 67320(8)/40920	79/157 82/157
Vigor	92-94	FWD	67065 67265(8)	OEMA	78 80		84690, 84695	67165/40920 67360(8)/40920	113,79/157 82/157
ZDX	10-13	AWD	67570	OEMA	87		N/A	81295	105

ALFA ROMEO

C-SUV	14-15	AWD	N/A	N/A			N/A	N/A	
4C	14-17	RWD	N/A	N/A			N/A	N/A	

AMERICAN MOTORS

Concord	80-83	RWD	N/A	N/A			OEMA	OEMA	
Eagle	80-87	AWD	N/A	N/A			OEMA	OEMA	
Spirit	80-83	RWD	N/A	N/A			OEMA	OEMA	

AUDI

100 Quattro	87-96	AWD	OEMA	OEMA			N/A	OEMA	
100	87-96	FWD	N/A	N/A			N/A	OEMA	
100	70-77	FWD	75400(1)	75400(1)	104,104		N/A	OEMA	
200 Quattro	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	80-87	FWD	75200(1)+10408	75200(1)+10408	104,63		N/A	OEMA	
5000 Quattro	86-88	AWD	OEMA	OEMA			N/A	OEMA	
5000	80-86	FWD	75400(1)+10408	75400(1)+10408	104,63		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	
A3	15-17	FWD/AWD	OEMA	OEMA			N/A	N/A	
A3	06-13	FWD/AWD	81335		106		N/A	N/A	
A4 S4 RS4	09-16	FWD/AWD	OEMA/87570	OEMA	166		81363 81368	81363 81368	107,107 107,107
A4 S4 RS4	98-08	FWD/AWD	OEMA	OEMA			81353 81358	81353 81358	107,107 107,107
A4 S4 RS4	96-97	FWD/AWD	N/A	OEMA			N/A	N/A	
A5	09-16	FWD/AWD	OEMA/87570	OEMA	166		81363 81368	81363 81368	107,107 107,107
A5	07-08	FWD/AWD	OEMA	OEMA			81353 81358	81353 81358	107,107 107,107
A6 Allroad RS6 S6	12-17	FWD/AWD	OEMA/87570	OEMA	166		81363 81368	81363 81368	107,107 107,107
A6 Allroad RS6 S6	05-11	FWD/AWD	OEMA	OEMA			81373 81378	81373 81378	107,107 107,107
A6 Allroad RS6 S6	98-04	FWD/AWD	N/A	N/A			81373 81378	81373 81378	107,107 107,107
A6 Allroad RS6 S6 Quattro	95-97	AWD	OEMA	OEMA			N/A	N/A	
A6 Allroad RS6 S6	95-97	FWD	N/A	N/A			N/A	N/A	
A7	12-17	FWD/AWD	OEMA/87570	OEMA	166		81363 81368	81363 81368	107,107 107,107
A8	11-17	FWD/AWD	OEMA/87570	OEMA	166		N/A	N/A	
A8	04-10	FWD/AWD	OEMA	OEMA			81373 81378	81373 81378	107,107 107,107
A8	96-03	FWD/AWD	OEMA	OEMA			N/A	N/A	
Cabriolet	94-98	FWD	N/A	N/A			N/A	OEMA 81260	105

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AUDI-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
Fox	75-79	FWD	N/A	N/A		N/A	OEMA		
Quattro	82-86	AWD	OEMA	OEMA		N/A	OEMA		
Q3	15-17	FWD/AWD	OEMA 81335	OEMA	106	N/A	N/A		
Q5	09-17	FWD/AWD	OEMA	OEMA		81363 81368	81363 81368	107,107 107,107	
Q7	07-17	AWD	OEMA	OEMA		OEMA	OEMA		
SQ5	13-17	AWD	OEMA	OEMA		81363 81368	81363 81368	107,107 107,107	
S5	09-16	AWD	OEMA	OEMA		81363 81368	81363 81368	107,107 107,107	
S5	07-08	AWD	OEMA	OEMA		81353 81358	81353 81358	107,107 107,107	
S7	12-17	FWD/AWD	OEMA	OEMA		81363 81368	81363 81368	107,107 107,107	
S8	11-17	AWD	OEMA/ 87570	OEMA	166	N/A	N/A		
S8	04-10	FWD/AWD	OEMA	OEMA		81373 81378	81373 81378	107,107 107,107	
S8	96-03	AWD	OEMA	OEMA		N/A	N/A		
TT	14-17	FWD/AWD	OEMA	OEMA		N/A	N/A		
TT	08-13	FWD/AWD	OEMA 81335	OEMA	106	N/A	N/A		
TT Quattro	00-06	AWD	N/A	OEMA		81340	81340	107,107	
TT	00-06	FWD	71500(*1)/ 87530	71500(*1)/ 87530	92/ 166	81340	81340	107,107	
BMW									
1 Series (Incl 1M) (E81, E82, E87, E88)	08-13	AWD	OEMA 67105	OEMA	78	72070/ 72095	OEMA 72070/ 72095	96/ 161 96/ 161	
1 Series (E81, E82, E87, E88)	08-13	RWD	OEMA 67105	OEMA	78	72190/ 72095	OEMA 72190/ 72095	98/ 161 98/ 161	
2 Series (F22)	14-17	RWD/AWD	OEMA	OEMA		N/A	OEMA		
3 Series (F30)	12-17	RWD/AWD	OEMA	OEMA		N/A	OEMA		
3 Series (E92 E93) Cpe. and Conv.	07-13	AWD	OEMA 67105	OEMA	78	72070/ 72095	OEMA 72070/ 72095	96/ 161 96/ 161	
3 Series (E92 E93) Cpe. and Conv.	07-13	RWD	OEMA 67105	OEMA	78	72190/ 72095	OEMA 72190/ 72095	98/ 161 98/ 161	
3 Series (M3)	07-13	RWD	OEMA 67105	OEMA	78	N/A	OEMA		
3 Series (E90 E91) Sedan and Wagon	06-12	AWD	OEMA 67105	OEMA	78	72070/ 72095	OEMA 72070/ 72095	96/ 161 96/ 161	
3 Series (E90 E91) Sedan and Wagon	06-12	RWD	OEMA 67105	OEMA	78	72190/ 72095	OEMA 72190/ 72095	98/ 161 98/ 161	
3 Series (E46) Cpe. and Conv.	05-06	RWD/AWD	OEMA 67110 72110	OEMA	79 96	72090/ 72095	OEMA 72090/ 72095	96/ 161 96/ 161	
3 Series (E46) Sedan and Wagon	04-05	RWD/AWD	OEMA 67110 72110	OEMA	79 96	72090/ 72095	OEMA 72090/ 72095	96/ 161 96/ 161	
3 Series (E46) Cpe. and Conv.	00-04	RWD/AWD	OEMA 67110 72110	OEMA	79 96	72080/ 72095	OEMA 72080/ 72095	96/ 161 96/ 161	
3 Series M3 (E46)	00-06	RWD	OEMA	OEMA		N/A	OEMA		
3 Series (E46) Sedan and Wagon	99-03	RWD/AWD	OEMA 67110 72110	OEMA	79 96	72080/ 72095	OEMA 72080/ 72095	96/ 161 96/ 161	
3 Series (E36) M Cpe./Rdstr.	96-02	RWD	N/A	N/A		72070(10) / 72095	72070(10) / 72095	96.96 161,161	

BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD ©2017 Niwot Corp. dba Specialty Products Co.®
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BMW-cont.

Model/Body Style		Year	Drive Type	REAR		Page	Thrust Plate	FRONT		Page
				CAMBER/TOOL	TOE/TOOL			CASTER/TOOL	CAMBER/TOOL	
3 Series (E36) 318, 323, 325, 328, M3		92-99	RWD	OEMA 67110 72110	OEMA	79 96		72070(10) /72095	72070(10) /72095	96.96 161,161
3 Series 318Ti (E30)		92-99	RWD	N/A	N/A			72090/72095	72090/72095	96/161
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	98/161
4 Series (F32)		14-17	RWD/AWD	OEMA	OEMA			N/A	OEMA	
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 (E39) 525, 528i w/o EDC, 528iT, 530i		96-03	RWD	OEMA 72185/72509	OEMA 72185/72509	98/161		72509/72080	72095/72080	96/161
5 Series (E39) 528i w/EDC, 540i, 540iT, M5		96-04	RWD	OEMA 72185/72509	OEMA 72185/72185	98/161		72180/72095	72180/72095	161,161
5 Series (E23, E34)		87-95	RWD	N/A	N/A			N/A	N/A	
6 Series (F12, F13)		11-17	RWD/AWD	OEMA	OEMA			N/A	N/A	
6 Series (E63)		04-10	RWD	72185/72509	72185/72509	98/161		N/A	N/A	
6 Series (E24)		80-89	RWD	N/A	N/A			N/A	N/A	
7 Series (G11, G12)		16-17	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		14-17	FWD	OEMA	OEMA			N/A	N/A	
i8		14-17	AWD	OEMA	OEMA			N/A	N/A	
X1		16-17	FWD/AWD	OEMA	N/A			OEMA	OEMA	
X1 (E84)		12-15	RWD/AWD	OEMA	OEMA			N/A	N/A	
X3 (F25)		11-17	AWD	OEMA	OEMA			N/A	OEMA	
X3 (E83)		05-10	AWD	OEMA	OEMA			N/A	OEMA	
X4 (F26)		14-17	AWD	OEMA	OEMA			N/A	OEMA	
X5 (F15)		14-17	AWD	OEMA 72115(*)	OEMA	97		N/A	OEMA	
X5 (E70)		07-13	AWD	OEMA 72115(*)	OEMA	97		N/A	N/A	
X5 (E53)		00-06	AWD	OEMA	OEMA			N/A	81280 82120/85130	105 108/165
X6 (F16)		15-17	AWD	OEMA 72115(*)	OEMA	97		N/A	N/A	
X6 (E7)		08-14	AWD	OEMA 72115(*)	OEMA	97		N/A	N/A	
Z3 (E36)		96-02	RWD	N/A	N/A			72070(10) /72095	72070(10) /72095	96.96 161,161
Z4 (E89)		09-16	RWD	OEMA	OEMA			N/A	N/A	
Z4/Z4 M (E85)		06-08	RWD	OEMA 67110 72110	OEMA	79 96		N/A	OEMA	
Z4 (E85) Except M		03-08	RWD	OEMA 67110 72110	OEMA	79 96		72090/72095	OEMA 72090/72095	96/161 96/161

BUICK

Allure		10-10	AWD	OEMA 82090	OEMA/45938 82090	159 108,108		N/A	OEMA 82130	109
Allure w/ HiPer Strut		10-10	FWD	OEMA 82090	OEMA/45938 82090	159 108,108		N/A	OEMA 82130	109
Allure w/o HiPer Strut		10-10	FWD	OEMA 82080	OEMA 82085	108,108		N/A	81250	105

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BUICK-cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Allure	05-09	FWD	81260	OEMA	105	N/A	81260	105	
Apollo 'X' Body <i>94001 upper ball joint pg 121</i> <i>94393 Pro Springs Available pg 126</i>	73-74	RWD	N/A	N/A		47700(*) 94305 94374	47700(*) 94305	75,75 124,124 126	
Cascade	16-17	FWD	N/A	N/A		N/A	OEMA		
Century	97-05	FWD	81260	OEMA	105	N/A	81260	105	
Century	82-96	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104	N/A	82110/85130	109/165	
Century 2 nd Gen 'F' Body <i>94006 replacement upper ball joint pg 121</i> <i>94017 extended upper ball joint pg 121</i>	73-77	RWD	N/A	N/A		47700(*) 94340 94378	47700(*) 94340	75,75 124,124 126	
Electra	85-90	FWD	81280 82120/85130	OEMA	105 109/165	OEMA	81280 82120/85130	105 109/165	
Enclave	08-17	FWD/AWD	OEMA	OEMA		N/A	81280	105	
Encore	13-17	AWD	N/A	N/A		N/A	81260	105	
Encore	13-17	FWD	71050(*)	71050(*)	91,91	N/A	81260	105	
Envision	16-17	AWD/FWD	OEMA	OEMA		N/A	OEMA 82130	109	
Estate Wagon	80-90	RWD	N/A	N/A		47700(*)	47700(*)	75,75	
Grand National 'G' Body <i>94006 replacement upper ball joint pg 121</i> <i>94017 extended upper ball joint pg 121</i>	82-87	RWD	N/A	N/A		47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127	
GS - 'A' Body <i>Pro Springs Available pg 126</i> <i>94391 (64-67) - 94392 (66-72)</i> <i>94001 upper ball joint pg 121</i>	64-72	RWD	N/A	N/A		47700(*) 94320(8) 94344(22)	47700(*) 94320(8)	75,75 124,124 125	
LaCrosse	10-16	AWD	OEMA 82090	OEMA /45938 82090	159 108,108	N/A	OEMA 82130	109	
LaCrosse w/ HiPer Strut	10-16	FWD	OEMA 82090	OEMA /45938 82090	159 108,108	N/A	OEMA 82130	109	
LaCrosse w/o HiPer Strut	10-16	FWD	OEMA 82080	OEMA 82085	108,108	N/A	81250	105	
LaCrosse	05-09	FWD	81260	OEMA	105	N/A	81260	105	
LeSabre	00-06	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	104 104,104 104	OEMA	81280 82120/85130	105 109/165	
LeSabre	86-99	FWD	81280 82120/85130	OEMA	105 109/165	OEMA	81280 82120/85130	105 109/165	
LeSabre 2 nd Gen 'F' Body <i>94006 replacement upper ball joint pg 121</i> <i>94017 extended upper ball joint pg 121</i>	71-85	RWD	N/A	N/A		47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126	
Lucerne	06-11	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	104 104,104 104	OEMA	81280 82120/85130	105 109/165	
Park Avenue	97-05	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	104 104,104 104	OEMA	81280 82120/85130	105 109/165	
Park Avenue	90-96	FWD	81280 82120/85130	OEMA	105 109/165	OEMA	81280 82120/85130	105 109/165	
Rainier	04-07	RWD/4WD	N/A	N/A		OEMA/83785	OEMA/83785	165,165	
Reatta	89-91	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	104 104,104 104	OEMA	81280 82120/85130	105 109/165	
Regal	11-17	AWD	OEMA, 82090	OEMA /45938 82090	159 108,108	N/A	OEMA 82130	109	
Regal w/ HiPer Strut	11-17	FWD	OEMA 82090	OEMA /45938 82090	159 108,108	N/A	OEMA 82130	109	

BOLD PART NUMBER INDICATES PREFERRED CORRECTION METHOD ©2017 Niwot Corp. dba Specialty Products Co.®
Alignment Footnotes on page 60 • N/A = No Available Adjuster • OEMA = Original Equipment Manufacturer Adjustment • (*) = Series P/N, see page for size **All products from Specialty Products Company are intended for use by professional installers only.**

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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
Regal w/o HiPer Strut	11-17	FWD	OEMA 82080	OEMA 82085	108,108		N/A	81250	105
Regal	97-04	FWD	81260	OEMA/83850	105/165		N/A	81260	105
Regal	88-96	FWD	81280 82120/85130	OEMA/83850	105/165 109/165		N/A	N/A/85130	165
Regal 'G' Body 94390 Pro Springs Available pg 126 94006 replacement upper ball joint pg 121	78-87	RWD	N/A	N/A			47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127
Regal 94006 replacement upper ball joint pg 121 94017 extended upper ball joint pg 121	73-77	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
Rendezvous	02-07	AWD	OEMA	OEMA			N/A	81260	105
Rendezvous	02-07	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104		N/A	81260	105
Riviera	95-99	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	104 104,104 104		OEMA	81280 82120/85130	105 109/165
Riviera	86-93	FWD	75600(1) 75800(1)	OEMA/83775 75600(1) 75800(1)	104/164 104,104 104		OEMA	OEMA 81280 82120/85130	105 109/165
Riviera	79-85	FWD	75600(1) 75800(1)	OEMA/83775 75600(1) 75800(1)	104/164 104,104 104		OEMA	OEMA	
Roadmaster Incl. Estate	91-96	RWD	N/A	N/A			47700(*)	47700(*)	75,75
Skyhawk	82-89	FWD	75400(1)	75400(1)	104,104		N/A	81280 82120/85130	105 109/165
Skylark	96-98	FWD	75400(1)	75400(1)	104,104		N/A	81260	105
Skylark	86-95	FWD	75400(1)	75400(1)	104,104		N/A	81280 82120/85130	105 109/165
Skylark	80-85	FWD	75400(1)	75400(1)	104,104		N/A	82110/85130	109/165
Skylark 'X' Body 94006 replacement upper ball joint pg 121 94017 extended upper ball joint pg 121	75-79	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
Skylark Pro Springs Available pg 126 94391 (64-67) - 94392 (66-72) 94001 upper ball joint pg 121	64-72	RWD	N/A	N/A			47700(*) 94320 94344(22)	47700(*) 94320	75,75 124,124 125
Somerset	85-89	FWD	75400(1)	75400(1)	104,104		N/A	81280 82120/85130	105 109/165
Special Pro Springs Available pg 126 94391 (64-67) - 94392 (66-72) 94001 upper ball joint pg 121	64-72	RWD	N/A	N/A			47700(*) 94320 94344(22)	47700(*) 94320	75,75 124,124 125
Terraza	05-07	AWD	OEMA	OEMA			N/A	81260	105
Terraza	05-07	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104		N/A	81260	105
Verano	12-17	FWD	71030(*)	71030(*)	91,91		N/A	81250	105

CADILLAC

Allante	93-93	FWD	OEMA	OEMA			OEMA/85130	81280 82120/85130	165/105 109/165
Allante	87-92	FWD	N/A	OEMA			OEMA/85130	81280 82120/85130	165/105 109/165
ATS	13-17	RWD/AWD	OEMA	OEMA			N/A	81280	105
Brougham	85-92	RWD	N/A	N/A			47700(*)	47700(*)	75,75
Catera	97-01	RWD	N/A	OEMA			N/A	81250	105
Cimarron	82-88	FWD	75400(1)	75400(1)	104,104		N/A	81280 82120/85130	105 109/165
CTS	16-17	RWD/AWD	OEMA	OEMA			N/A	81280	105
CTS Coupe/Wagon/CTS-V Sedan	14-15	RWD/AWD	OEMA	OEMA			OEMA/83785	OEMA/83785	165,165

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CADILLAC-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
CTS Sedan (except CTS-V)	14-15	RWD/AWD	OEMA	OEMA		N/A	81280	105	
CTS Inc. CTS-V	08-13	RWD/AWD	OEMA	OEMA		OEMA/ 83785	OEMA/ 83785	165,165	
CTS Inc. CTS-V	03-07	RWD/AWD	OEMA	OEMA		OEMA/ 83775, 83785, 83850	OEMA/ 83850	164,165 165,165	
CT6	16-17	RWD/AWD	N/A	OEMA		N/A	N/A		
DeVille	00-05	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	104 104,104 104	OEMA	81280 82120/ 85130	105 109/ 165	
DeVille Incl. Concours	94-99	FWD	OEMA	OEMA		OEMA	81280 82120/ 85130	105 109/ 165	
DeVille	85-93	FWD	OEMA 82120/ 85130	OEMA	109/ 165	OEMA/ 85130	OEMA 82120/ 85130	165 109/ 165	
DTS	06-11	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	104 104,104 104	OEMA	81280 82120/ 85130	105 109/ 165	
Eldorado	93-03	FWD	OEMA	OEMA		OEMA/ 85130	81280 82120/ 85130	165/105 109/ 165	
Eldorado	86-92	FWD	75600(1) 75800(1)	OEMA/ 83775 75600(1) 75800(1)	104/ 164 104,104 104	OEMA	OEMA 81280 82120/ 85130	105 109/ 165	
Eldorado	80-85	FWD	75600(1) 75800(1)	OEMA/ 83775 75600(1) 75800(1)	104/ 164 104,104 104	OEMA	OEMA		
Escalade ESV/EXT <i>45940 for use on OEM style cams only</i>	02-17	RWD/4WD	N/A	N/A		OEMA/ 45940 86320, 86325 86375 86470 (thru '06)	OEMA/ 45940 86320, 86325 86375 86350/ 72509	159,159 114,115 116,116 116,115/ 161	
Escalade	99-00	RWD/4WD	N/A	N/A		OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910	112/ 163 118/ 163	
ELR	14-16	FWD	71030(*)	71030(*)	91,91	N/A	OEMA 82130	109	
Fleetwood	85-93	FWD	OEMA	OEMA		OEMA/ 85130	OEMA 82120/ 85130	165 109/ 165	
Seville STS/SLS	98-04	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	104 104,104 104	OEMA	81280 82120/ 85130	105 109/ 165	
Seville STS/SLS	93-97	FWD	OEMA	OEMA		N/A	81280 82120/ 85130	105 109/ 165	
Seville	86-92	FWD	75600(1) 75800(1)	OEMA/ 83775 75600(1) 75800(1)	104/ 164 104,104 104	OEMA	OEMA 81280 82120/ 85130	105 109/ 165	
Seville	80-85	FWD	75600(1) 75800(1)	OEMA/ 83775 75600(1) 75800(1)	104/ 164 104,104 104	OEMA	OEMA		
SRX	10-16	FWD/AWD	OEMA	OEMA		N/A	81280	105	
SRX	04-09	RWD/AWD	OEMA	OEMA/ 83850	165	OEMA/ 83785, 83775	OEMA/ 83775	164 165,164	
STS	05-11	RWD/AWD	OEMA	OEMA		OEMA/ 83785	OEMA/ 83785	165,165	
XLR/XLR-V	04-09	RWD	OEMA	OEMA		OEMA	OEMA		
XTS w/ HiPer strut	13-17	FWD/AWD	OEMA 82090	OEMA/ 45938 82090	159 108,108	N/A	OEMA 82130	109	
XTS w/o HiPer strut	13-17	FWD/AWD	OEMA 82090	OEMA/ 45938 82090	159 108,108	N/A	81250	105	
XT5	17-17	FWD/AWD	OEMA	OEMA		N/A	81250	105	

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

CHEVROLET

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
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(2,33)/ 72509	112/ 163 118/ 163 115/ 161
Astro	90-05	AWD	N/A	N/A		■	OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910	112/ 163 118/ 163
Astro	85-05	RWD	N/A	N/A		■	47700(*)	47700(*)	75,75
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/ 72590	159,159 69/ 161 114,115 116,116 115/ 161
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 86350/ 79509	159,159 114,115 116,116 116,115/ 161
Aveo	04-11	FWD	75200(15)	75200(15)	104,104		N/A	81250	105
Bel Air 'B' Body	71-81	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124
Bel Air	65-70	RWD	N/A	N/A			47700(*) 94356	47700(*) 94356	75,75 125,125
Bel Air	58-64	RWD	N/A	N/A			47700(*) 94355	47700(*) 94355	75,75 125,125
Bel Air <i>94003 replacement upper ball joint</i>	55-57	RWD	N/A	N/A			47700(*) 94350	47700(*) 94350	75,75 125,125
Beretta	96-97	FWD	75400(1)	75400(1)	104,104		N/A	81260	105
Beretta	87-95	FWD	75400(1)	75400(1)	104,104		N/A	81280 82120/ 85130	105 109/ 165
Biscayne 'B' Body	71-75	RWD	N/A	N/A			47700(*) 94340 94378	47700(*) 94340	75,75 124,124 126
Biscayne	65-70	RWD	N/A	N/A			47700(*) 94356	47700(*) 94356	75,75 125,125
Biscayne	58-64	RWD	N/A	N/A			47700(*) 94355	47700(*) 94355	75,75 125,125
Blazer Full Size	92-94	RWD/4WD	N/A	N/A		■	OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910 86350(2)/ 72509	112/ 163 118/ 163 115/ 161
Blazer C5	69-91	RWD	N/A	N/A		■	47700(*)	47700(*)	75,75
Blazer K5	69-91	4WD	N/A	N/A		■	23000(*)/ 4169	23000(*)/ 4169	65/ 155
Camaro	16-17	RWD	OEMA	OEMA			N/A	81280	105
Camaro	10-15	RWD	OEMA 87430	OEMA 87430	118,118		N/A	81280	105
Camaro	93-02	RWD	N/A	N/A			OEMA/ 83775	OEMA/ 83775	164,164
Camaro 'F' Body	82-92	RWD	N/A	N/A			OEMA	OEMA/ 8292 81280	155 105
Camaro 'F' Body <i>94394 Pro Springs Available pg 126 94006 replacement upper ball joint</i>	70-81	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
Camaro 'F' Body <i>94393 Pro Springs Available pg 126 94001 replacement upper ball joint</i>	67-69	RWD	N/A	N/A			47700(*) 94305 94374(22)	47700(*) 94305	75,75 124,124 126
Caprice PPV	11-16	RWD	OEMA 87430	OEMA 87430	118,118		OEMA	81260	105
Caprice 'B' Body <i>94006 replacement upper ball joint 94017 extended upper ball joint</i>	71-96	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
Caprice	65-70	RWD	N/A	N/A			47700(*) 94356	47700(*) 94356	75,75 125,125

Applications

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Heavy Duty

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

CHEVROLET-cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Caprice	58-64	RWD	N/A	N/A		47700(*) 94355	47700(*) 94355	75,75 125,125	
Captiva Sport	12-15	FWD/AWD	OEMA 87420	OEMA 87420	118,118	N/A	81260	105	
Cavalier	95-05	FWD	75400(1)	75400(1)	104,104	N/A	81260	105	
Cavalier	82-94	FWD	75400(1)	75400(1)	104,104	N/A	81280	105	
Celebrity	82-90	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104	N/A	82110/85130	109/165	
Chevelle <i>94006 replacement upper ball joint 94017 extended upper ball joint pg</i>	73-77 <i>pg 121 121</i>	RWD	N/A	N/A		47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126	
Chevelle <i>Pro Springs Available pg 126 94391 (64-67) - 94392 (66-72) 94001 upper ball joint pg 121</i>	64-72	RWD	N/A	N/A		47700(*) 94320 94344(22)	47700(*) 94320	75,75 124,124 125	
Chevette	76-87	RWD	N/A	N/A		OEMA	OEMA		
Citation	80-85	FWD	75400(1)	75400(1)	104,104	N/A	82110/85130	109/165	
City Express	15-17	FWD	N/A	N/A		N/A	81260	105	
Classic	04-05	FWD	81250	OEMA	105	N/A	81260	105	
Cobalt	05-10	FWD	75400(1)	75400(1)	104,104	N/A	81250	105	
Colorado	15-17	RWD/4WD	N/A	N/A		OEMA 86321, 86326 86376	OEMA 86321, 86326 86376	114,115 116,116	
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	159,159 159,159 114,115 115,115 116,116	
Corsica	96-96	FWD	75400(1)	75400(1)	104,104	N/A	81260	105	
Corsica	87-95	FWD	75400(1)	75400(1)	104,104	N/A	81280	105	
Corvette C5/C6/C7	97-17	RWD	OEMA	OEMA		OEMA	OEMA		
Corvette C4 Late <i>94007 replacement upper ball joint</i>	88-96 <i>pg 121</i>	RWD	OEMA	OEMA		47700(*) 92750, 92751 94370, 94371	47700(*) 92750, 92751 94370, 94371	75,75 125,125 125,125	
Corvette C4 Early <i>94007 replacement upper ball joint</i>	84-87 <i>pg 121</i>	RWD	OEMA	OEMA		47700(*) 92748, 92749 94368, 94369	47700(*) 92748, 92749 94368, 94369	75,75 125,125 125,125	
Corvette C2/C3 <i>94003 replacement upper ball joint</i>	63-82 <i>pg 121</i>	RWD	OEMA 83160	OEMA 47170(*)	111,74	47700(*) 92740 94360	47700(*) 92740 94360	75,75 125,125 125,125	
Cruze	11-17	FWD	71030(*)	71030(*)	91,91	N/A	81250	105	
C10 C20 C30 C1500 C2500 C3500 Pickup/Suburban	65-87	RWD	N/A	N/A		■ 47700(*)	47700(*)	75,75	
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	66 66,70/163 70/163	
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	66 66,70/163 70/163	
El Camino <i>94006 replacement upper ball joint</i>	78-88 <i>pg 121</i>	RWD	N/A	N/A		47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127	

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

CHEVROLET-cont.

Model/Body Style		Year	Drive Type	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
El Camino	73-77	RWD	N/A	N/A				47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
94006 replacement upper ball joint		pg 121								
94017 extended upper ball joint		pg 121								
El Camino	64-72	RWD	N/A	N/A				47700(*) 94320 94344(22)	47700(*) 94320	75,75 124,124 125
94001 upper ball joint		pg 121								
El Camino	58-63	RWD	N/A	N/A				47700(*) 94355	47700(*) 94355	75,75 125,125
Equinox	05-17	FWD/AWD	OEMA 87420	OEMA 87420	118,118			N/A	81260	105
Express	03-17	RWD/4WD	N/A	N/A			■	OEMA/45940 86320, 86325 86370, 86375	OEMA/45940 86320, 86325 86370, 86375 86350/72509	159,159 114,115 115,116 115/161
45940 for use on OEM style cams only										
Express	96-02	RWD	N/A	N/A			■	OEMA 83790/74910 87400/74910	OEMA 83790/74910 87400/74910	112/163 118/163
G10 G20 G30 Van	71-96	RWD	N/A	N/A			■	47700(*)	47700(*)	75,75
HHR	06-11	FWD	75400(1)	75400(1)	104,104			N/A	81250	105
Impala Limited	14-16	FWD	81260	OEMA	105			N/A	81260	105
Impala	14-17	FWD	OEMA	OEMA				N/A	81250	105
Impala	99-13	FWD	81260	OEMA	105			N/A	81260	105
Impala 'B' Body	71-96	RWD	N/A	N/A				47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
94006 replacement upper ball joint		pg 121								
94017 extended upper ball joint		pg 121								
Impala	65-70	RWD	N/A	N/A				47700(*) 94356	47700(*) 94356	75,75 125,125
Impala	58-64	RWD	N/A	N/A				47700(*) 94355	47700(*) 94355	75,75 125,125
K10 K15 K20 K25 Pickup/Suburban	70-87	4WD	N/A	N/A			■	23000(*)/4169	23000(*)/4169	64/155
K30 K35	58-87	4WD	N/A	N/A			■	Axle Wedges	23000(*)/4169	64/155
K30 V30 Dana 60	88-93	4WD	N/A	N/A			■	Axle Wedges 88940	88940	120 120
Lumina Sedan	95-01	FWD	81260	OEMA/83850	105/165			N/A	N/A/85130	165
Lumina Sedan	90-94	FWD	81280 82120/85130	OEMA/83850	105/165 109/165			N/A	N/A/85130	165
Lumina APV Van	90-96	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104			N/A	82110/85130	109/165
Luv Pickup	80-82	RWD/4WD	N/A	N/A			■	47700(*)	47700(*)	75,75
Malibu incl. Limited	13-16	FWD	OEMA	OEMA				N/A	81250	105
Malibu Classic	08-08	FWD	OEMA 75400(17)	OEMA 75400(17)	104,104			N/A	81250	105
Malibu Classic	04-05	FWD	81250	OEMA	105			N/A	81260	105
Malibu	04-12	FWD	OEMA 75400(17) 82100	OEMA 75400(17) 82100	104,104 108,108			N/A	81250	105
Malibu	97-03	FWD	81250	OEMA	105			N/A	81260	105
Malibu	78-83	RWD	N/A	N/A				47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127
94390 Pro Springs Available		pg 126								
94006 replacement upper ball joint		pg 121								
Malibu	73-77	RWD	N/A	N/A				47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
94006 replacement upper ball joint		pg 121								
94017 extended upper ball joint		pg 121								
Malibu	64-72	RWD	N/A	N/A				47700(*) 94320 94344(22)	47700(*) 94320	75,75 124,124 125
94001 upper ball joint		pg 121								
Metro	98-01	FWD	N/A	OEMA				N/A	81250	105
Monte Carlo	00-07	FWD	81260	OEMA	105			N/A	81260	105

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CHEVROLET-cont.			R E A R			Thrust Plate	F R O N T		Page
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	
Monte Carlo	95-99	FWD	81280 82120/ 85130	OEMA/ 83850	105/ 165 109/ 165		N/A	N/A/ 85130	165
Monte Carlo <i>94390 Pro Springs Available pg 126</i> <i>94006 replacement upper ball joint</i>	78-88 pg 121	RWD	N/A	N/A			47700(*) 94330,94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127
Monte Carlo <i>94006 replacement upper ball joint</i> <i>94017 extended upper ball joint pg</i>	73-77 pg 121	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
Monte Carlo <i>94001 upper ball joint pg 121</i>	70-72	RWD	N/A	N/A			47700(*) 94320 94344(22)	47700(*) 94320	75,75 124,124 125
Nova	85-88	FWD	81250	OEMA	105		N/A	OEMA 81250	105
Nova 'X' Body <i>94006 replacement upper ball joint</i> <i>94017 extended upper ball joint pg</i>	75-79 pg 121	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
Nova 'X' Body <i>94393 Pro Springs Available pg 126</i> <i>94001 replacement upper ball joint</i>	68-74 pg x121	RWD	N/A	N/A			47700(*) 94305 94374(22)	47700(*) 94305	75,75 124,124 126
Optra	03-07	FWD	81250	OEMA	105		N/A	81250	105
Prizm	98-02	FWD	75600(1) 75800(1) 81250	OEMA 75600(1) 75800(1)	104 104,104 105,104		N/A	OEMA 81260	105
R10, R20, R30, R1500 R2500, R3500 Pickup/Suburban	88-91	RWD	N/A	N/A		■	47700(*)	47700(*)	75,75
Silverado 1500 <i>45940 for use on</i> <i>OEM style cams only</i>	99-16	RWD/4WD	N/A	N/A		■	OEMA/ 45940 86320, 86325 86375 86470 (thru '06)	OEMA/ 45940 86320, 86325 86375 86350/ 72509	159,159 114,115 116,116 116,115/ 161
Silverado 1500 HD Crew Cab <i>45940 for use on</i> <i>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	159,159 69/ 161 114,115 116,116 115/ 161
Silverado 2500	11-16	RWD/4WD	N/A	N/A		■	OEMA 86321, 86326 86376	OEMA 86321, 86326 86376	114,115 116,116
Silverado 2500 <i>45940 for use on</i> <i>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	159,159 69/ 161 114,115 116,116 115/ 161
Silverado 2500 HD RWD Cab/Chassis	91-02	RWD	N/A	N/A		■	Axle Wedges	N/A	
Silverado 3500	11-16	RWD/4WD	N/A	N/A			OEMA 86321, 86326 86376	OEMA 86321, 86326 86376	114,115 116,116
Silverado 3500 <i>45940 for use on</i> <i>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	159,159 69/ 161 114,115 116,116 115/ 161
Silverado 3500 HD RWD Cab/Chassis	91-02	RWD	N/A	N/A			Axle Wedges	N/A	
Sonic	12-17	FWD	71050(*)	71050(*)	91,91		N/A	81260	105
Spark	13-17	FWD	N/A	N/A			N/A	81250	105
Spectrum	85-88	FWD	75200(1)	75200(1)	104,104		N/A	81250	105

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

CHEVROLET-cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Sprint Metro	87-88	FWD	N/A	N/A			N/A	OEMA 81250	105
Sprint	85-86	FWD	N/A	N/A			N/A	81250	105
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 86470 (thru '06)	OEMA/ 45940 23960/ 72509 86320, 86325 86375 86350/ 72509	159,159 69/ 161 114,115 116,116 116,115/ 161
Suburban 1500 <i>45940 for use on OEM style cams only</i>	00-17	RWD/4WD	N/A	N/A			OEMA/ 45940 86320, 86325 86375 86470 (thru '06)	OEMA/ 45940 86320, 86325 86375 86350/ 72509	159,159 114,115 116,116 116,115/ 161
Suburban	92-99	RWD/4WD	N/A	N/A		■	OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910 86350(2)/ 72509	112/ 163 118/ 163 116/ 161
Suburban	69-91	4WD	N/A	N/A		■	23000(*)/ 4169	23000(*)/ 4169	64/ 155
Suburban	65-91	RWD	N/A	N/A		■	47700(*)	47700(*)	75,75
SS	14-17	RWD	OEMA 87430	OEMA 87430	118,118		N/A	81280	105
SSR	04-06	RWD	N/A	N/A		■	OEMA/ 83785	OEMA/ 83785	165,165
S10 <i>94006 replacement upper ball joint</i>	82-04	RWD	N/A	N/A		■	47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127
S10	82-04	4WD	N/A	N/A		■	OEMA 83710	OEMA 83710	112,112
S10 Blazer S Series <i>94006 replacement upper ball joint</i>	82-04	RWD	N/A	N/A		■	47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127
S10 Blazer S Series	82-04	4WD	N/A	N/A		■	OEMA 83710	OEMA 83710	112,112
Tahoe <i>45940 for use on OEM style cams only</i>	00-17	RWD/4WD	N/A	N/A			OEMA/ 45940 86320, 86325 86375 86470 (thru '06)	OEMA/ 45940 86320, 86325 86375 86350/ 72509	159,159 114,115 116,116 116,115/ 161
Tahoe	95-99	RWD/4WD	N/A	N/A		■	OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910 86350(2)/ 72509	112/ 163 118/ 163 116/ 161
Tracker	98-04	4WD	N/A	N/A		■	N/A	81250	105
Trailblazer	02-09	RWD/4WD	N/A	N/A			OEMA/ 83785	OEMA/ 83785	165,165
Traverse	09-17	FWD/AWD	OEMA	OEMA			N/A	81280	105
Trax	15-16	AWD	N/A	N/A			N/A	81260	105
Trax	15-16	FWD	71050(*)	71050(*)	91,91		N/A	81260	105
Tri-5 Body <i>94003 replacement upper ball joint</i>	55-57	RWD	N/A	N/A			47700(*) 94350	47700(*) 94350	75,75 125,125
Uplander	05-06	AWD	OEMA	OEMA			N/A	81260	105
Uplander	05-08	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104		N/A	81260	105
Venture	02-05	AWD	OEMA	OEMA			N/A	81260	105
Venture	97-05	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104		N/A	81260	105
Volt	11-17	FWD	71030(*)	71030(*)	91,91		N/A	81250	105
V30 Dana 60	87-88	4WD	N/A	N/A		■	Axle Wedges 88940	88940	120 120
V3500 Dana 60	89-91	4WD	N/A	N/A			Axle Wedges 88940	88940	120 120

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CHRYSLER			R E A R			Thrust Plate	F R O N T		Page
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	
All Passenger Car Models	60-73	RWD	N/A	N/A		OEMA 83160	OEMA 83160	111,111	
200	15-17	FWD/AWD	OEMA	OEMA		N/A	N/A		
200	11-14	FWD	67018 75600(1)	75600(1)	77,104 104	N/A	81260	105	
300	09-17	RWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	76 157,160/76 157,160	66037 66045	66037 66045	76,76 76,76	
300	05-08	RWD	66050/ 40920, 66025	OEMA 66055/ 66025, 40920	76 157,160/76 157,160	66037 66040	66037 66040	76,76 76,76	
300	05-17	AWD	66050/ 40920, 66025	OEMA 66055/ 66025, 40920	76 157,160/76 157,160	66037 66047	66037 66047	76,76 76,76	
300M <i>55700 Toe Tool pg 159</i> <i>23600 LH Repl. Sleeve pg 67</i>	99-04	FWD	67080	OEMA	78	N/A	81280 82120/85130	105 105/165	
Aspen	07-09	RWD/AWD	N/A	N/A		OEMA	OEMA		
Cirrus	95-00	FWD	OEMA	OEMA		N/A	67180/40920	79/157	
Concorde <i>55700 Toe Tool pg 159</i> <i>23600 LH Repl. Sleeve pg 67</i>	98-04	FWD	67080	OEMA	78	N/A	81280 82120/85130	105 109/165	
Concorde <i>55700 Toe Tool pg 159</i>	93-97	FWD	67020	OEMA	77	N/A	81280 82120/85130	105 109/165	
Crossfire Inc. SRT6	04-08	RWD	28840/75990, 72509	OEMA	73/163,161	28815	28815	75,75	
E Class	83-86	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Executive Sedan	83-86	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Fifth Avenue	90-93	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Imperial	90-93	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Imperial	81-83	RWD	N/A	N/A		OEMA/8286	OEMA/8286	155,155	
Laser	84-86	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
LeBaron	82-95	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
LHS <i>55700 Toe Tool pg 159</i> <i>23600 LH Repl. Sleeve pg 67</i>	98-01	FWD	67080	OEMA	78	N/A	81280 82120/85130	105 109/165	
LHS <i>55600 Toe Tool pg 159</i>	94-97	FWD	67020	OEMA	77	N/A	81280 82120/85130	105 109/165	
New Yorker <i>55600 Toe Tool pg 159</i>	94-97	FWD	67020	OEMA	77	N/A	81280 82120/85130	105 109/165	
New Yorker 5th Ave.	83-89	RWD	N/A	N/A		OEMA	OEMA		
New Yorker	83-93	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Pacifica	04-08	AWD/FWD	66050/ 40920, 66025	OEMA 66055/ 40920, 66025	76 157,160/76 157,160	N/A	81260	105	
PT Cruiser	01-10	FWD	71740(*)	71740(*)	93,93	N/A	81260	105	
Sebring	07-10	FWD	67015	OEMA	77	N/A	81260	105	
Sebring Sedan & Conv.	04-06	FWD	67025	OEMA	77	N/A	67180/40920	79/157	
Sebring Sedan & Conv.	01-03	FWD	OEMA	OEMA		N/A	67180/40920	79/157	

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CHRYSLER-cont.

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Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Sebring 2Dr. Coupe	01-06	FWD	73400+73415(7) 73600, 73620(8)	OEMA	102,102 102,102		N/A	81280 82120/85130	105 109/165
Sebring Conv	96-00	FWD	OEMA	OEMA			N/A	67180/40920	79/157
Sebring 2Dr. Coupe	95-00	FWD	73400+73415(7) 73600, 73620(8)	OEMA	102,102 102,102		N/A	67170/40920 67370(8)/40920	79/157 82/157
Town & Country	01-16	AWD	N/A	N/A			N/A	81260 83170/85130	105 111/165
Town & Country	01-16	FWD	71700(*1)	71700(*1)	92,92		N/A	OEMA 81260 83170/85130	105 111/165
Town & Country	96-00	AWD	N/A	N/A			N/A	OEMA 83170/85130	111/165
Town & Country	96-00	FWD	71700(*)	71700(*)	92,92		N/A	OEMA 83170/85130	111/165
Town & Country	90-95	AWD	N/A	N/A				OEMA 83170/85130	111/165
Town & Country	90-95	FWD	75400(1)	75400(1)	104,104		N/A	OEMA 83170/85130	111/165
Town & Country	82-88	FWD	75200(1)	75200(1)	104,104		N/A	OEMA 83170/85130	111/165
Voyager	00-03	AWD	N/A	N/A			N/A	81260 83170/85130	105 111/165
Voyager	00-03	FWD	71700(*)	71700(*)	92,92		N/A	OEMA 81260 83170/85130	105 111/165

DAEWOO

Lanos	98-02	FWD	N/A	N/A			N/A	N/A	
Leganza	98-02	FWD	81250	OEMA	105		N/A	81250	105
Nubira	98-02	FWD	81250	OEMA	105		N/A	81250	105

DAIHATSU

Charade	88-92	FWD	81250	OEMA	105		N/A	81250	105
Rocky	90-92	4WD	N/A	N/A			47700(*)	47700(*)	75,75

DODGE/RAM

All Passenger B&E (Except 880) <i>94009 replacement upper ball joint pg 121</i>	62-65	RWD	N/A	N/A			OEMA 94450, 94451	OEMA 94450, 94451	127,127
All Passenger Car (Except B&E)	60-73	RWD	N/A	N/A			OEMA 83160	OEMA 83160	111,111
400	82-83	FWD	75200(1)	75200(1)	104,104		N/A	OEMA 83170/85130	111/165
600	83-88	FWD	75200(1)	75200(1)	104,104		N/A	OEMA 83170/85130	111/165
Aries	81-89	FWD	75200(1)	75200(1)	104,104		N/A	OEMA 83170/85130	111/165
Avenger	11-14	FWD/AWD	67018	OEMA	77		N/A	81260	105
Avenger	08-10	FWD/AWD	67015	OEMA	77		N/A	81260	105
Avenger	95-00	FWD	73400+73415(7) 73600, 73620(8)	OEMA	102,102 102,102		N/A	67170/40920 67370(8)/40920	79/157 82/157
B100 B200 B300 Ram Van	70-80	RWD	N/A	N/A		■	OEMA 83160	OEMA 83160	111,111
B150 B250 B350 Ram Van	81-01	RWD	N/A	N/A		■	OEMA/8286	OEMA/8286	155,155
Caliber	07-12	FWD/AWD	67455	OEMA	83		N/A	81260	105
Caravan	01-07	AWD	N/A	N/A			N/A	OEMA 81260 83170/85130	105 111/165
Caravan	01-07	FWD	71700(*1)	71700(*1)	92,92		N/A	OEMA 81260 83170/85130	105 111/165
Caravan	96-00	AWD	N/A	N/A			N/A	OEMA 83170/85130	111/165

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Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Caravan	96-00	FWD	71700(*)	71700(*)	92,92	N/A	OEMA 83170/85130	111/165	
Caravan	90-95	AWD	N/A	N/A		N/A	OEMA 83170/85130	111/165	
Caravan	84-95	FWD	75400(1)	75400(1)	104,104	N/A	OEMA 83170/85130	111/165	
Challenger	09-17	RWD	66050/ 40920, 66025	OEMA 66055/ 66025, 40920	76 157,160/76 157,160	66037 66045	66037 66045	76,76 76,76	
Challenger	08-08	RWD	66050 40920, 66025	OEMA 66055/ 66025, 40920	76 76/157,160 157,160	66037 66040	66037 66040	76,76 76,76	
Challenger	80-83	RWD	N/A	N/A		OEMA	N/A		
Challenger 94009 replacement upper ball joint	70-74 pg 121	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	127,127	
Charger	09-17	RWD	66050/ 40920, 66025	OEMA/ 66055 66025, 40920	76 157,160/76 157,160	66037 66045	66037 66045	76,76 76,76	
Charger	06-08	RWD	66050/ 40920, 66025	OEMA 66055/ 66025, 40920	76 157,160/76 157,160	66037 66040	66037 66040	76,76 76,76	
Charger	06-17	AWD	66050/ 40920, 66025	OEMA 66055/ 66025, 40920	76 157,160/76 157,160	66037 66047	66037 66047	76,76 76,76	
Charger	82-87	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Charger 94009 replacement upper ball joint	66-72 pg 121	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	127,127	
Colt	93-94	FWD	OEMA	OEMA		N/A	81250	105	
Colt Vista	92-94	FWD/AWD	N/A	OEMA		N/A	OEMA		
Colt Vista	84-91	FWD/AWD	N/A	OEMA		OEMA	81250	105	
Colt Vista	84-94	4WD	N/A	OEMA		N/A	81250	105	
Colt	80-87	RWD	N/A	N/A		OEMA	81250	105	
Colt	80-93	FWD	N/A	N/A		N/A	81250	105	
Conquest	84-86	RWD	N/A	OEMA		OEMA	N/A		
Coronet Incl. Super Bee 94009 replacement upper ball joint	65-72 pg 121	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	127,127	
Dakota	05-11	RWD/4WD	N/A	N/A		OEMA 82400	OEMA 82400	111,111	
Dakota	87-04	RWD/4WD	N/A	N/A		■ OEMA/6140, 8286	OEMA/6140, 8286	155,155 155,155	
Dart	13-16	FWD	N/A	OEMA		N/A	N/A		
Dart 94009 replacement upper ball joint	73-76 pg 121	RWD	N/A	N/A		OEMA 94460, 94461	OEMA 94460, 94461	127,127	
Daytona	84-94	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Durango	11-17	RWD/AWD	OEMA	OEMA		OEMA 82360	OEMA 82360	109,109	
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	155,155 155,155	
Dynasty	88-93	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	

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DODGE/RAM-cont.

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D100 D150 D200 D250 Truck	72-87	RWD	N/A	N/A		■	OEMA 83160	OEMA 83160	111,111
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	111,111
Grand Caravan	01-17	AWD	N/A	N/A			N/A	81260 83170/ 85130	105 111/ 165
Grand Caravan	01-17	FWD	71700(*1)	71700(*1)	92,92		N/A	OEMA 81260 83170/ 85130	105 111/ 165
Grand Caravan	96-00	AWD	N/A	N/A			N/A	OEMA 83170/ 85130	111/ 165
Grand Caravan	96-00	FWD	71700(*)	71700(*)	92,92		N/A	OEMA 83170/ 85130	111/ 165
Grand Caravan	90-95	AWD	N/A	N/A			N/A	OEMA 83170/ 85130	111/ 165
Grand Caravan	84-95	FWD	75400(1)	75400(1)	104,104		N/A	OEMA 83170/ 85130	111/ 165
Intrepid <i>55700 Toe Tool pg 159</i> <i>23600 LH Repl. Sleeve pg 67</i>	98-04	FWD	67080	OEMA	78		N/A	81280 82120/ 85130	105 109/ 165
Intrepid <i>55600 Toe Tool pg 159</i>	93-97	FWD	67020	OEMA	77		N/A	81280 82120/ 85130	105 109/ 165
Journey	11-17	AWD	67018	OEMA	77		N/A	81260	105
Journey	11-17	FWD	67018	OEMA	77		N/A	81260	105
Journey	09-10	FWD/AWD	67015	OEMA	77		N/A	81260	105
Lancer	85-89	FWD	75200(1)	75200(1)	104,104		N/A	OEMA 83170/ 85130	111/ 165
Magnum	05-08	AWD	66050/ 40920, 66025	OEMA 66055/ 66025, 40920	76 157,160/76 157,160		66037 66047	66037 66047	76,76 76,76
Magnum	05-08	RWD	66050/ 40920, 66025	OEMA 66055/ 66025, 40920	76 157,160/76 157,160		66037 66040	66037 66040	76,76 76,76
Monaco	90-92	FWD	75200(1)	75200(1)	104,104		N/A	81280 82120/ 85130	105 109/ 165
Neon Incl. SRT4	94-06	FWD	67210 81250	OEMA 67210	80 105,80		N/A	81260	105
Nitro	07-12	RWD/AWD	N/A	N/A			OEMA	OEMA	
Omni Incl. O24	78-90	FWD	75200(1)	75200(1)	104,104		N/A	OEMA 83170/ 85130	111/ 165
Promaster	14-16	FWD	N/A	N/A			N/A	N/A	
Promaster City	15-16	FWD	N/A	N/A			N/A	N/A	
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	105 111/ 165
Ram C/V - Tradesman	12-15	FWD	71730(*1)	71720(*1)	92,92		N/A	OEMA 81260 83170/ 85130	105 111/ 165
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	68,68 161,155 110
Ram 1500 Exc. Mega Cab	06-16	RWD/4WD	N/A	N/A			OEMA 82420 23940	OEMA 82420 23940	111,111 69,69
Ram 1500	02-05	RWD	N/A	N/A		■	OEMA 23765	OEMA 23765	68,68
Ram 1500	02-05	4WD	N/A	N/A		■	OEMA 23755	OEMA 23755	68,68

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Ram 1500	00-01	4WD	N/A	N/A		■ 23510(*)/ 72509, 23580 82385(16)	23510(*)/ 72509, 23580	67,67 161,155 110	
Ram 1500 <i>82380 with 36mm OE cams</i> <i>82395 with 46mm OE cams</i>	94-99	4WD	N/A	N/A		■ 23510(*)/ 72509, 23580 82380(16) 82395(16)	23510(*)/ 72509, 23580	67,67 161,155 110 110	
Ram 1500	94-01	RWD	N/A	N/A		■ OEMA/8286	OEMA/8286	155,155	
Ram 2500 <i>23610, 23615, Tie Rod Adj. Sleeves</i>	14-16	RWD	N/A	N/A	pg 67	OEMA	OEMA		
Ram 2500 <i>23610, 23615, Tie Rod Adj. Sleeves</i>	14-16	4WD	N/A	N/A	pg 67	■ 23800(*)/ 72509, 23780 82387(16)	23800(*)/ 72509, 23780	68,68 161,155 110	
Ram 2500	03-13	4WD	N/A	N/A		■ 23800(*)/ 72509, 23780 82385(16)	23800(*)/ 72509, 23780	68,68 161,155 110	
Ram 2500	00-02	4WD	N/A	N/A		■ 23710(*)/ 72509, 23780 82385(16)	23710(*)/ 72509, 23780	67,67 161,155 110	
Ram 2500	00-13	RWD	N/A	N/A		■ OEMA	OEMA		
Ram 2500	94-99	RWD	N/A	N/A		■ OEMA/8286	OEMA/8286	155,155	
Ram 2500 w/HD Dana 60 Fr Axle	94-99	4WD	N/A	N/A		■ 23130(*)/ 88830, 77880 24130/74500 82395(16)	23130(*)/ 88830, 77880 24130/74500	65,65 167,164 70/163 110	
Ram 2500 w/LD Dana 44 Fr Axle	94-99	4WD	N/A	N/A		■ 23510(*)/ 72509, 23580	23510(*)/ 72509, 23580	67,67 161,155	
Ram 3500 w/mono beam <i>23610, 23615, Tie Rod Adj. Sleeves</i>	13-16	RWD	N/A	N/A	pg 67	■ 23800(*)/ 72509, 23780 82387(16)	23800(*)/ 72509, 23780	68,68 161,155 110	
Ram 3500 w/o mono beam <i>23610, 23615, Tie Rod Adj. Sleeves</i>	13-16	RWD	N/A	N/A	pg 67	■ OEMA	OEMA		
Ram 3500 <i>23610, 23615, Tie Rod Adj. Sleeves</i>	13-16	4WD	N/A	N/A	pg 67	■ 23800(*)/ 72509, 23780 82387(16)	23800(*)/ 23780, 72509	68,68 161,155 110	
Ram 3500 w/mono beam	03-12	RWD	N/A	N/A		■ 23800(*)/ 72509, 23780 82385(16)	23800(*)/ 72509, 23780	68,68 161,155 110	
Ram 3500 w/o mono beam	03-12	RWD	N/A	N/A		■ OEMA	OEMA		
Ram 3500	03-12	4WD	N/A	N/A		■ 23800(*)/ 72509, 23780 82385(16)	23800(*)/ 72509, 23780	68,68 161,155 110	
Ram 3500 w/mono beam	00-02	RWD	N/A	N/A		■ 23710(*)/ 72509, 23780 82385(16)	23710(*)/ 72509, 23780	68,68 161,155 110	
Ram 3500	00-02	4WD	N/A	N/A		■ 23710(*)/ 72509, 23780 82385(16)	23710(*)/ 72509, 23780	68,68 161,155 110	
Ram 3500 w/mono beam	94-99	RWD	N/A	N/A		■ 23130(*)/ 88830, 77880 24130/74500 82395(16)	23130(*)/ 88830, 77880, 24130/74500	65,65 167,164 70/163 110	
Ram 3500	94-99	4WD	N/A	N/A		■ 23130(*)/ 88830, 77880 24130/74500 82395(16)	23130(*)/ 88830, 77880 24130/74500	65,65 167,164 70/163 110	
Ram 3500 w/o mono beam	94-02	RWD	N/A	N/A		■ OEMA/8286	OEMA/8286	155,155	

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

DODGE/RAM-cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Ram 4500 / 5500	08-16	RWD/4WD	N/A	N/A		■	N/A	23850(*)/88360	68/167
Ramcharger AD150	90-96	RWD	N/A	N/A		■	OEMA/8286	OEMA/8286	155,155
Ramcharger	74-87	RWD	N/A	N/A			OEMA 83160	OEMA 83160	111,111
Ramcharger	74-87	4WD	N/A	N/A			23000(*)/4169	23000(*)/4169	64/155
Ramcharger AD150	72-89	RWD	N/A	N/A		■	OEMA 83160	OEMA 83160	111,111
Rampage	82-84	FWD	75200(1)	75200(1)	104,104		N/A	OEMA 83170/85130	111/165
Shadow	87-94	FWD	75200(1)	75200(1)	104,104		N/A	OEMA 83170/85130	111/165
Spirit	89-96	FWD	75200(1)	75200(1)	104,104		N/A	OEMA 83170/85130	111/165
Sprinter 2500	07-09	RWD	N/A	N/A		■	N/A	35077	74
Sprinter 2500	03-06	RWD	N/A	N/A		■	N/A	35075, 35076	73,73
Sprinter 3500	07-09	RWD	N/A	N/A			N/A	35077	74
Sprinter 3500	03-06	RWD	N/A	N/A			N/A	35075, 35076	73,73
Stealth	91-96	FWD/AWD	OEMA	OEMA			N/A	OEMA	
Stratus 4Dr.	04-06	FWD	67025	OEMA	77		N/A	67180/40920	79/157
Stratus 2Dr.	01-05	FWD	73400+73415(7) 73600, 73620(8)	OEMA	102,102 102,102		N/A	81280 82120/85130	105 109/165
Stratus 4Dr.	95-03	FWD	OEMA	OEMA			N/A	67180/40920	79/157
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	64/155
W200 W250 Truck w/ Dana 44	72-93	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	64/155
W200 W250 Truck w/ Dana 60	72-93	4WD	N/A	N/A		■	88940	88940	120,120
W300 W350 Truck w/ Dana 60	75-93	4WD	N/A	N/A		■	Axle Wedges 88940	88940	120 120
W300 W350 Truck	60-93	4WD	N/A	N/A		■	Axle Wedges	N/A	

EAGLE

Medallion	88-89	FWD	75200(1)	75200(1)	104,104		N/A	81280 82120/85130	105 109/165
Premier	88-92	FWD	75200(1)	75200(1)	104,104		N/A	81280 82120/85130	105 109/165
Summit SW	92-96	FWD/AWD	N/A	OEMA			N/A	81250	105
Summit	89-96	FWD	N/A	N/A			N/A	81250	105
Talon	95-98	FWD/AWD	73400+73415(7) 73600, 73620(8)	OEMA	102,102 102,102		N/A	67170/40920 67370(8)/40920	79/157 82/157
Talon	90-94	AWD	OEMA	OEMA			N/A	81250	105
Talon	90-94	FWD	N/A	N/A			N/A	81250	105
Vision	93-97	FWD	67020	OEMA	77		N/A	81280 82120/85130	105 109/165

FIAT

124 Spider	17-17	RWD	OEMA	OEMA			OEMA	OEMA	
500	12-17	FWD	71770(*)	71770(*)	93,93		N/A	81240	105
500x	16-17	FWD/AWD	81250	N/A	105		N/A	81250	105
500L	14-17	FWD	N/A	N/A			N/A	81250	105

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FORD		R E A R				Thrust Plate	F R O N T		Page
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	
Aerostar	86-97	RWD/4WD	N/A	N/A			47700(*)	47700(*)	72,75
Aspire	95-97	FWD	75200(1)	75200(1)	104,104		N/A	OEMA 81250	105
Bronco	80-96	4WD	N/A	N/A		■	23100(*)/ 77880, 88830 24130/ 74500	23100(*)/ 77880, 88830 24130/ 74500	64,64 164,167 70,70 163,163
Bronco	66-79	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	64/155
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	65/166 164,167 70,70 163,163
Bronco II	89-90	RWD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500	23180(*)/87175 77880, 88830 24180/ 74400, 74500	65/166 164,167 70,70 163,163
Bronco II	84-88	RWD	N/A	N/A		■	N/A	24160/74400	70/163
Bronco II Dana 28 (Early 1990)	83-90	4WD	N/A	N/A		■	24120/74500	24120/74500	70/163
C-Max	13-17	FWD	67420	OEMA	83		N/A	N/A	
Contour	95-00	FWD	N/A	OEMA			89675	89675	120,120
Crown Victoria	03-12	RWD	N/A	N/A			OEMA	OEMA 87365/85130, 02099	118/165,174
Crown Victoria	92-02	RWD	N/A	N/A			OEMA	OEMA/88325	167
Crown Victoria	80-91	RWD	N/A	N/A			OEMA	OEMA	
E-150	92-17	RWD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280	23180(*)/87175 77880, 88830 24180/ 74400, 74500	65/166 164,167 70,70 163,163 117
E-150 w/king pins	65-90	RWD	N/A	N/A		■	N/A	N/A	
E-250 E-350 E-450	92-17	RWD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280	23180(*)/87175 77880, 88830 24180/ 74400, 74500	65/166 164,167 70,70 163,163 117
E-250 E-350 E-450 w/king pins	65-90	RWD	N/A	N/A		■	N/A	N/A	
Edge	07-16	FWD/AWD	OEMA	OEMA			N/A	81280	105
Escape Inc. Hybrid	13-17	FWD/AWD	67420	OEMA	83		N/A	OEMA	
Escape Inc. Hybrid	01-12	FWD/AWD	67285	OEMA	81		OEMA	OEMA 81250	105
Escort	97-04	FWD	81250	OEMA	105		OEMA	OEMA 81250	105
Escort	91-96	FWD	81250	OEMA 67070	105 78		OEMA	OEMA 81250	105
Escort	81-90	FWD	81250	OEMA	105		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	65/166 164,167 70,70 163,163
Excursion	00-05	4WD	N/A	N/A		■	23130(*)/87175 77880 24130/74500	23130(*)/87175 77880 24130/74500	65/166 164,164 70/163
Expedition	07-17	RWD/4WD	OEMA	OEMA			OEMA 86250 86252	OEMA 86250 86252	114,114 114,114

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

FORD-cont.

FORD-cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Expedition	03-06	RWD/4WD	86680	OEMA	117		86640/ 83820	86640/ 83820	116/ 165
Expedition	97-02	RWD/4WD	N/A	N/A		■	87385	87385	118,118
Explorer	11-17	RWD/4WD	OEMA 84130	OEMA	112		N/A	81280	105
Explorer Sport Trac	07-10	RWD/4WD	OEMA	OEMA			OEMA	OEMA	
Explorer	06-10	RWD/4WD	OEMA	OEMA			OEMA	OEMA	
Explorer 2 door 'Sport'	02-03	RWD/4WD	N/A	N/A		■	87310 87500	87310 87500	117,117 119,119
Explorer	02-05	RWD/4WD	86180	OEMA	113		86140 26012 (02-03 4WD only)	86140 26012 (02-03 4WD only)	113,113 72,72
Explorer Sport Trac	01-05	RWD/4WD	N/A	N/A		■	87310 87500 26012, 26014	87310 87500 26012, 26014	117,117 119,119 72,72
Explorer	95-01	RWD/4WD	N/A	N/A		■	87310 87500 26012 (2001 4WD only)	87310 87500 26012 (2001 4WD only)	117,117 119,119 72,72
Explorer	91-94	RWD/4WD	N/A	N/A		■	23180(*)/ 87175 77880, 88830 24180/ 74400, 74500	23180(*)/ 87175 77880, 88830 24180/ 74400, 74500	65/ 166 164,167 70,70 163,163
EXP	82-88	FWD	81250	OEMA	105		N/A	N/A	
F-100 w/ ball joint suspension	80-83	RWD/4WD	N/A	N/A		■	N/A	24160/ 74400	70/ 163
F-100	66-79	4WD	N/A	N/A		■	23000(*)/ 4169	23000(*)/ 4169	64/ 155
F-100 w/ king pin suspension	65-83	RWD	N/A	N/A		■	N/A	N/A	
F-150	15-16	RWD/4WD	N/A	N/A			OEMA 86250 86252 25680	OEMA 86250 86252 25680	114,114 114,114 72,72
F-150 Heritage	04-05	RWD/4WD	N/A	N/A		■	87385	87385	118,118
F-150 Incl. SVT Raptor	04-14	RWD/4WD	86255(19)	N/A	114		OEMA 86250 86252 25680	OEMA 86250 86252 25680	114,114 114,114 72,72
F-150	97-03	RWD/4WD	N/A	N/A		■	87385	87385	118,118
F-150	87-96	RWD	N/A	N/A		■	23180(*)/ 87175 77880, 88830 24180/ 74400, 74500 87280	23180(*)/ 87175 77880, 88830 24180/ 74400, 74500	65/ 166 164,167 70,70 163,163 117
F-150	87-96	4WD	N/A	N/A		■	23100(*) 77880, 88830 24130/ 74500	23100(*) 77880, 88830 24130/ 74500	64,64 164,167 70/ 163
F-150	82-86	RWD	N/A	N/A		■	N/A	24160/ 74400	70/ 163
F-150	80-86	4WD	N/A	N/A		■	23100(*)/ 77880, 88830 24130/ 74500	23100(*)/ 77880, 88830 24130/ 74500	64,64 164,167 70/ 163
F-150	66-79	4WD	N/A	N/A		■	23000(*)/ 4169	23000(*)/ 4169	64/ 155
F-150 King Pin	65-90	RWD	N/A	N/A		■	N/A	N/A	
F-250 Solid Axle - Coil Spring	05-17	RWD/4WD	N/A	N/A		■	23220(*) 23268, 23269 24220/ 74600	23220(*) 23268, 23269, 24220/ 74600	66,66 66,66 70/ 163
F-250 Solid Axle - Leaf Spring	99-04	RWD/4WD	N/A	N/A		■	23130(*)/ 77880, 88830 24130/ 74500	23130(*)/ 77880, 88830 24130/ 74500	65,65 164,167 70/ 163
F-250 Twin I-Beam	98-17	RWD	N/A	N/A		■	23180(*)/ 87175 77880, 88830 24180/ 74400, 74500	23180(*)/ 87175 77880, 88830 24180/ 74500, 74400	65/ 166 164,167 70,70 163,163

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

FORD-cont.			R E A R			F R O N T			
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
F-250 L/D	97-99	RWD/4WD	N/A	N/A		■	87385	87385	118,118
F-250	87-98	RWD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280	23180(*)/87175 77880, 88830 24180/ 74400, 74500	65/166 164,167 70,70 163,163 117
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	64,64 164,167 70/163
F-250 Dana 60	74-79	4WD	N/A	N/A		■	88940	88940	120,120
F-250	73-79	4WD	N/A	N/A		■	Axle Wedges 23000(*)/4169	23000(*)/4169	64/155 64/155
F-250 King Pin	65-90	RWD	N/A	N/A		■	N/A	N/A	
F-350 Solid Axle - Coil Spring	05-17	RWD/4WD	N/A	N/A		■	23220(*) 23268, 23269 24220/74600	23220(*) 23268, 23269 24220/74600	66,66 66,66 70/163
F-350 Solid Axle - Leaf Spring	99-04	RWD/4WD	N/A	N/A		■	23130(*) 77880, 88830 24130/74500	23130(*) 77880, 88830 24130/74500	65,65 164,167 70/163
F-350 Twin I-Beam	98-17	RWD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500	23180(*)/87175 77880, 88830 24180/ 74400, 74500	65/166 164,167 70,70 163,163
F-350 Crew Cab	92-98	4WD	N/A	N/A		■	23130(*)/ 77880, 88830 24130/74500	23130(*)/ 77880, 88830 24130/74500	65,65 164,167 70/163
F-350	87-98	RWD	N/A	N/A		■	23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280(25)	23180(*)/87175 77880, 88830 24180/ 74400, 74500	65/166 164,167 70,70 163,163 117
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	64,64 164,167 70/163
F-350 Dana 60	74-91	4WD	N/A	N/A		■	88940	88940	120,120
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	05-17	RWD/4WD	N/A	N/A		■	23230(*) 24230/74600	23230(*) 24230/74600	66,66 70/163
F-450 w/ 8 lug axles	05-17	RWD/4WD	N/A	N/A		■	23220(*) 23268, 23269 24220/74600	23220(*) 23268, 23269 24220/74600	66,66 66,66 70/163
F-450	99-04	RWD/4WD	N/A	N/A		■	23130(*) 77880, 88830 24130/74500	23130(*) 77880, 88830 24130/74500	65,65 164,167 70/163
F-550	05-17	RWD/4WD	N/A	N/A		■	23230(*) 24230/74600	23230(*) 24230/74600	66,66 70/163
F-550	99-04	RWD/4WD	N/A	N/A		■	23130(*) 77880, 88830 24130/74500	23130(*) 77880, 88830 24130/74500	65,65 164,167 70/163
Fairlane 94009 replacement upper ball joint	66-69	RWD pg 121	N/A	N/A			OEMA 94210	OEMA 94210 83160	122,122 111
Fairmont	78-83	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	105 109/165

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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
Falcon <i>94009 replacement upper ball joint</i>	66-69	RWD <i>pg x121</i>	N/A	N/A			OEMA 94210	OEMA 94210 83160	122,122 111
Falcon <i>94009 replacement upper ball joint</i>	64-65	RWD <i>pg 121</i>	N/A	N/A			47700(*) 94215, 94220	47700(*) 94215	75,75 122,122
Falcon	60-63	RWD	N/A	N/A			47700(*)	47700(*)	75,75
Festiva	88-94	FWD	75200(1)	75200(1)	104,104		N/A	OEMA 81250	105
Fiesta	11-17	FWD	N/A	N/A			N/A	81250	105
Fiesta	78-80	FWD	N/A	N/A			N/A	N/A	
Five Hundred	05-07	AWD	N/A	OEMA			N/A	OEMA	
Five Hundred	05-07	FWD	71760(*)	OEMA	93		N/A	OEMA	
Flex	09-17	FWD/AWD	OEMA 84130	OEMA	112		N/A	OEMA	
Focus Incl ST	12-16	FWD	67420	OEMA	83		N/A	N/A	
Focus Incl SVT	00-11	FWD	67420 81310	OEMA	83 106		81320	81320	106,106
Freestar	04-07	FWD	N/A	N/A			OEMA	OEMA 89685	120
Freestyle	05-07	AWD	N/A	OEMA			N/A	OEMA	
Freestyle	05-07	FWD	71760(*)	OEMA	93		N/A	OEMA	
Fusion Inc. Hybrid	13-17	AWD	N/A	OEMA			N/A	81280	105
Fusion Inc. Hybrid	13-17	FWD	67680	OEMA	89		N/A	81280	105
Fusion Inc. Hybrid	06-12	FWD/AWD	OEMA 67425	OEMA	83		N/A	67115/40920	79/157
Granada	81-82	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	105 109/165
Granada	75-80	RWD	N/A	N/A			OEMA	OEMA 83160	111
LTD	83-86	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	105 109/165
Maverick <i>94009 replacement upper ball joint</i>	70-77	RWD <i>pg 121</i>	N/A	N/A			OEMA 94210	OEMA 94210 83160	122,122 111
Mustang	15-17	RWD	OEMA	OEMA			N/A	81280	105
Mustang	11-14	RWD	N/A	72045 72345	94 101		72350 72355	72350 81260	101,101 101,105
Mustang	05-10	RWD	N/A	72045 72345	94 101		72040 72350 72355	72040 72350 81260	94,94 101,101 101,105
Mustang Cobra	99-04	RWD	OEMA	OEMA			OEMA/85130 72060	OEMA 72060 81280 82120/85130	165 95,95 105 109/165
Mustang	94-04	RWD	N/A	N/A			72060	OEMA 72060 81280 82120/85130	95 95 105 109/165
Mustang	79-93	RWD	N/A	N/A			N/A	OEMA 81280 82120/ 85130	105 109/165
Mustang II	74-78	RWD	N/A	N/A			OEMA 93040, 93050 94800	OEMA 94800	121,121 121
Mustang <i>94009 replacement upper ball joint</i>	67-73	RWD <i>pg 121</i>	N/A	N/A			OEMA 94210	OEMA 94210 83160	122,122 111
Mustang <i>94009 replacement upper ball joint</i>	64-66	RWD <i>pg 121</i>	N/A	N/A			47700(*) 94215 94220	47700(*) 94215	75,75 122,122 122
Probe	89-97	FWD	81250	OEMA	105		OEMA	OEMA 81250	105

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Ranchero <i>94009 replacement upper ball joint</i>	66-71 pg 121	RWD	N/A	N/A		OEMA 94210	OEMA 94210 83160	122,122 111	
Ranchero <i>94009 replacement upper ball joint</i>	64-65 pg 121	RWD	N/A	N/A		47700(*) 94215 94220	47700(*) 94215	122,122 122	
Ranger	01-11	RWD/4WD	N/A	N/A		■ 87500 26012 (03-11 4WD only)	87500 26012 (03-11 4WD only)	119,119 72,72	
Ranger	98-00	RWD/4WD	N/A	N/A		■ 87310 87500	87310 87500	117,117 119,119	
Ranger Dana 35	90-97	4WD	N/A	N/A		■ 23180(*)/87175 77880, 88830 24180/ 74400, 74500	23180(*)/87175 77880, 88830 24180/ 74400, 74500	65/166 164,167 70,70 163,163	
Ranger	89-97	RWD	N/A	N/A		■ 23180(*)/87175 77880, 88830 24180/ 74400, 74500 87280	23180(*)/87175 77880, 88830 24180/ 74400, 74500	65/166 164,167 70,70 163,163 117	
Ranger	83-88	RWD	N/A	N/A		■ N/A	24160/74400	70/163	
Ranger Dana 28	83-89	4WD	N/A	N/A		■ 24120/74500	24120/74500	70/163	
Taurus	13-17	FWD/AWD	OEMA 84130	OEMA	112	N/A	N/A		
Taurus	10-12	FWD/AWD	OEMA 84130	OEMA	112	N/A	OEMA		
Taurus X	08-09	AWD	N/A	OEMA		N/A	OEMA		
Taurus	08-09	AWD	N/A	OEMA		N/A	OEMA		
Taurus	08-09	FWD	71760(*)	OEMA	93	N/A	OEMA		
Taurus X	08-09	FWD	71760(*)	OEMA	93	N/A	OEMA		
Taurus Wagon	96-05	FWD	87350/85130	OEMA/ 97650	117/165 167	OEMA	OEMA 89635	120	
Taurus Sedan <i>87325 Intended for use on OE adjusters NOT intended for aftermarket parts</i>	96-07	FWD	87330/87320, 8370	OEMA 87330/8370 87325, 87320	117/166 117/155 166,166	OEMA	OEMA 89635	120	
Taurus Sedan <i>87325 Intended for use on OE adjusters NOT intended for aftermarket parts</i>	86-95	FWD	87330/87320, 8370	OEMA 87330/8370 87325, 87320	117/166 117/155 166,166	OEMA	OEMA		
Taurus Wagon	86-95	FWD	87350/85130	OEMA/ 97650	117/165 167	OEMA	OEMA		
Tempo	86-94	FWD/AWD	81250	OEMA/87325	105/166	N/A	N/A		
Tempo	84-85	FWD	81250	N/A	105	N/A	N/A		
Thunderbird	02-06	RWD	N/A	OEMA		OEMA 87540	OEMA 87540	119,119	
Thunderbird	89-97	RWD	OEMA	OEMA		OEMA	OEMA 87535	119	
Thunderbird	80-88	RWD	N/A	N/A		N/A	OEMA 81280 82120/85130	105 109/165	
Thunderbird	64-66	RWD	N/A	N/A		47700(*)	47700(*)	75,75	
Torino <i>94009 replacement upper ball joint</i>	66-71 pg 121	RWD	N/A	N/A		OEMA 94210	OEMA 94210 83160	122,122 111	
Transit	15-17	RWD	N/A	N/A		OEMA	OEMA		
Transit Connect	10-17	FWD	N/A	N/A		N/A	N/A		
Windstar	94-03	FWD	75400(1)	75400(1)	104,104	OEMA	OEMA 89685	120	

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FREIGHTLINER

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Model/Body Style Year Drive Type CAMBER/TOOL TOE/TOOL Page Thrust Plate CASTER/TOOL CAMBER/TOOL Page

See our Heavy Duty Section		pages 131-141								
Sprinter 2500	07-16	RWD	N/A	N/A			■	N/A	35077	74
Sprinter 2500	02-05	RWD	N/A	N/A			■	N/A	35075, 35076	73,73
Sprinter 3500	07-16	RWD	N/A	N/A				N/A	35077	74
Sprinter 3500	02-05	RWD	N/A	N/A				N/A	35075, 35076	73,73

GEO

Metro	89-97	FWD	N/A	OEMA				N/A	81250	105
Prizm	89-97	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104			N/A	OEMA 81260	105
Spectrum	89-90	FWD	75200(1)	75200(1)	104,104			N/A	81250	105
Storm	90-93	FWD	81250	OEMA	105			N/A	81250	105
Tracker	89-97	RWD/4WD	N/A	N/A				N/A	81250	105

GMC

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(2,33)/ 72509	112/ 163 118/ 163 115/ 161
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(*) 24230/ 74600	23230(*) 24230/ 74600	66 66,70/ 163 70/ 163
Acadia	17-17	FWD/AWD	OEMA	OEMA				N/A	81250	105
Acadia Limited	17-17	FWD/AWD	OEMA	OEMA				N/A	81280	105
Acadia	07-16	FWD/AWD	OEMA	OEMA				N/A	81280	105
Canyon	15-17	RWD/4WD	N/A	N/A				OEMA 86321, 86326 86376	OEMA 86321, 86326 86376	114,115 116,116
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	159,159 159,159 114,115 115,116
C10 C20 C30 C1500 C2500 C3500 Pickup/Suburban	65-87	RWD	N/A	N/A				47700(*)	47700(*)	75,75
Envoy	02-09	RWD/4WD	N/A	N/A				OEMA/ 83785	OEMA/ 83785	165,165
G10 G20 G30 Van	71-96	RWD	N/A	N/A				47700(*)	47700(*)	75,75
Jimmy Full Size	88-91	RWD/4WD	N/A	N/A				OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910 86350(2)/ 72509	112/ 163 118/ 163 115/ 161
Jimmy S Series 94006 replacement upper ball joint 94017 extended upper ball joint pg 121	82-04	RWD	N/A	N/A				47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127
Jimmy S Series	82-04	4WD	N/A	N/A				OEMA 83710	OEMA 83710	112,112
Jimmy C5	69-91	RWD	N/A	N/A				47700(*)	47700(*)	75,75
Jimmy K5	69-91	4WD	N/A	N/A				23000(*)/ 4169	23000(*)/ 4169	64/ 155
K10 K15 K20 K25 Pickup/Suburban	70-87	4WD	N/A	N/A				23000(*)/ 4169	23000(*)/ 4169	64/ 155
K30 K35	58-87	4WD	N/A	N/A				Axle Wedges	23000(*)/ 4169	64/ 155
K30 V30 Dana 60	88-93	4WD	N/A	N/A				Axle Wedges 88940	88940	120 120
Safari	90-05	AWD	N/A	N/A				OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910	112/ 163 118/ 163
Safari	85-05	RWD	N/A	N/A				47700(*)	47700(*)	75,75
Savana Van 45940 for use on OEM style cams only	03-17	RWD/4WD	N/A	N/A				OEMA/ 45940 86320, 86325 86370, 86375	OEMA/ 45940 86320, 86325 86370, 86375 86350/ 72509	159,159 114,115 115,116 115/ 161

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GMC-cont.		R E A R				F R O N T			
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Savana Van	96-02	RWD	N/A	N/A			OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910	112/ 163 118/ 163
Sierra 1500 <i>45940 for use on OEM style cams only</i>	99-16	RWD/4WD	N/A	N/A			OEMA/ 45940 86320, 86325 86375 86470 (thru '06)	OEMA/ 45940 86320, 86325 86375 86350/ 72509	159,159 114,115 116,116 116,115/ 161
Sierra 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	159,159 69/ 161 114,115 116,116 115/ 161
Sierra 2500	11-16	RWD/4WD	N/A	N/A			OEMA 86321, 86326 86376	OEMA 86321, 86326 86376	114,115 116,116
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	159,159 69/ 161 114,115 116,116 115/ 161
Sierra 2500 HD RWD Cab/Chassis	91-02	RWD	N/A	N/A			Axle Wedges	N/A	
Sierra 3500	11-16	RWD/4WD	N/A	N/A			OEMA 86321, 86326 86376	OEMA 86321, 86326 86376	114,115 116,116
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	159,159 69/ 161 114,115 116,116 115/ 161
Sierra 3500 HD RWD Cab/Chassis	91-02	RWD	N/A	N/A			Axle Wedges	N/A	
Sonoma <i>94006 replacement upper ball joint 94017 extended upper ball joint pg</i>	82-04	RWD	N/A	N/A			47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127
Sonoma	82-04	4WD	N/A	N/A			OEMA 83710	OEMA 83710	112,112
Suburban 1500 <i>45940 for use on OEM style cams only</i>	00-13	RWD/4WD	N/A	N/A			OEMA/ 45940 86320, 86325 86375	OEMA/ 45940 86320, 86325 86375 86350/ 72509	159,159 114,115 116,116 115/ 161
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	159,159 69/ 161 114,115 116,116 115/ 161
Suburban	92-99	RWD/4WD	N/A	N/A			OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910 86350(2)/ 72509	112/ 163 118/ 163 115/ 161
Suburban	69-91	4WD	N/A	N/A			23000(*)/ 4169	23000(*)/ 4169	64/ 155
Suburban	65-91	RWD	N/A	N/A			47700(*)	47700(*)	75,75
Terrain	05-17	FWD/AWD	OEMA 87420	OEMA 87420	118,118		N/A	81260	105
Tracker	98-04	4WD	N/A	N/A			N/A	81250	105
V30 V35 Dana 60	88-93	4WD	N/A	N/A			Axle Wedges 88940	88940	120 120

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GMC-cont.

Model/Body Style	Year	Drive Type	REAR CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	FRONT CASTER/TOOL	CAMBER/TOOL	Page
Yukon 1500 inc. XL <i>45940 for use on OEM style cams only</i>	00-17	RWD/4WD	N/A	N/A			OEMA/ 45940 86320, 86325 86375 86470 (thru '06)	OEMA/ 45940 86320, 86325 86375 86350/ 72509	159,159 114,115 116,116 116,115/ 161
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	159,159 69/ 161 114,115 116,116 115/ 161
Yukon	92-99	RWD/4WD	N/A	N/A			OEMA 83790/ 74910 87400/ 74910	OEMA 83790/ 74910 87400/ 74910 86350(2)/ 72509	112/ 163 118/ 163 115/ 161

HONDA

Accord <i>67550 or 67555 must be used with 67540</i>	13-17	FWD	67540 67545(12)	OEMA 67540 67550 67555	86 86,86 86 86		N/A	OEMA	
Accord Crosstour <i>67550 or 67555 must be used with 67540</i>	10-15	FWD/AWD	67540 67545(12)	OEMA 67540 67550 67555	86 86,86 86 86		N/A	67135/40920 67330(8)/ 40920	79/ 157 82/ 157
Accord <i>67550 or 67555 must be used with 67540</i>	08-12	FWD	67540 67545(12)	OEMA 67540 67550 67555	86 86,86 86 86		N/A	67135/40920 67330(8)/ 40920	79/ 157 82/ 157
Accord	03-07	FWD	67290	OEMA 67295	81 81		N/A	67135/40920 67330(8)/ 40920	79/ 157 82/ 157
Accord	98-02	FWD	67090	OEMA 67295	78 81		84690, 84695	67125/40920 67320(8)/ 40920	113,79/ 157 82/ 157
Accord	90-97	FWD	67065 67265(8)	OEMA	78 80		84690, 84695	67145/40920 67340(8)/ 40920	113,79/ 157 82/ 157
Accord	86-89	FWD	67395	OEMA	82		OEMA	N/A	
Accord	80-85	FWD	N/A	OEMA			N/A	N/A	
Civic	16-17	FWD	67467	OEMA	84		N/A	N/A	
Civic Except Si	12-15	FWD	67465/ 75980, 72509 67466 67475	OEMA/ 87560	83/ 163,161 84/ 166 84		N/A	81260	105
Civic Si	12-15	FWD	67465/ 75980, 72509 67466 67475	OEMA/ 87560	83/ 163,161 84/ 166 84		N/A	81280	105
Civic	06-11	FWD	67465/ 75980, 72509 67466 67475	OEMA/ 87560	83/ 163,161 84/ 166 84		N/A	81260	105
Civic	03-05	FWD	67230 69300(22)/ 69330(14)	OEMA	80 90/ 160		N/A	81280	105
Civic	01-02	FWD	67230 69300(22)/ 69330(14)	OEMA	80 90/ 160		N/A	81260	105
Civic <i>65100, rear trailing arm bushing extractor available pg 159</i>	96-00	FWD	67030 69100(22)	OEMA 69250 69450	77 90,91 91		62010	62010 67135/40920 67330(8)/ 40920	75 79/ 157 82/ 157
Civic <i>65100, rear trailing arm bushing extractor available pg 159</i>	92-95	FWD	67030 69200(22)	OEMA 69250 69450	77 90,91 91		N/A	67135/40920 67330(8)/ 40920	79/ 157 82/ 157
Civic <i>65100, rear trailing arm bushing extractor available pg 159</i>	88-91	FWD	67030 69200(22)	OEMA 69250 69460	77 90,91 91		N/A	67125/40920 67320(8)/ 40920(9)	79/ 157 82/ 157
Civic SW & 4WD <i>65100, rear trailing arm bushing extractor available pg 159</i>	88-91	FWD/4WD	67030 69200(22)	OEMA	77 90		N/A	67125/40920 67320(8)/ 40920(9)	79/ 157 82/ 157
Civic	80-87	FWD	N/A	N/A			N/A	N/A	
Civic del Sol	92-97	FWD	67030 69200(22)	OEMA 69250 69450	77 90,91 91		N/A	67135/40920 67330(8)/ 40920	79/ 157 82/ 157

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HONDA-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
Crosstour 67550 or 67555 must be used with 67540	10-15	FWD/AWD	67540 67545(12)	OEMA 67540 67550 67555	86 86,86 86 86	N/A	67135/40920 67330(8)/40920	79/157 82/157	
CR-V	07-17	FWD/AWD	67580	OEMA/87560	87/166	N/A	81280	105	
CR-V	02-06	FWD/AWD	67430 69400(22)/69330(14)	OEMA	83 90/160	N/A	81280	105	
CR-V	97-01	FWD/AWD	67030	OEMA	77	N/A	67135/40920 67330(8)/40920	79/157 82/157	
CR-Z	11-16	FWD	N/A	N/A		N/A	81260	105	
CRX 65100, rear trailing arm bushing extractor available pg 159	88-92	FWD	67030 69200(22)	OEMA 69250 69460	77 90,91 91	N/A	67125/40920 67320(8)/40920(9)	79/157 82/157	
CRX	84-87	FWD	N/A	N/A		N/A	N/A		
Element	03-11	FWD/AWD	67430 69400(22)/69330(14)	OEMA/87560	83/166 90/160	N/A	81280	105	
Fit	15-17	FWD	71790(*)	71790(*)	94,94	N/A	81260	105	
Fit	09-14	FWD	N/A	N/A		N/A	81260	105	
Fit	06-08	FWD	75600 75800	75600 75800	104,104 104,104	N/A	81260	105	
HR-V	16-17	FWD/AWD	71790(*)	71790(*)	94,94	N/A	81280	105	
Insight	10-14	FWD	N/A	N/A		N/A	81260	105	
Insight	01-06	FWD	N/A	N/A		N/A	81260	105	
Odyssey	05-16	FWD	67590	OEMA	87	N/A	81280	105	
Odyssey	99-04	FWD	67290	OEMA	81	N/A	81280	105	
Odyssey	95-98	FWD	67155/40920	OEMA	79/157	OEMA 84690, 84695	67125/40920 67320(8)/40920	79/157 113,82/157	
Passport	94-02	FWD/AWD	N/A	N/A		47700(*)	47700(*)	75,75	
Pilot	16-17	FWD/AWD	23450	OEMA	67	N/A	N/A		
Pilot	09-15	FWD/AWD	67570	OEMA	87	N/A	81295	105	
Pilot	03-08	FWD/AWD	67290	OEMA	81	N/A	81280	105	
Prelude	97-02	FWD	67165/40920 67360(8)/40920	OEMA	79/157 82/157	N/A	67135/40920 67330(8)/40920	79/157 82/157	
Prelude SH	97-02	FWD	67165/40920 67360(8)/40920	OEMA	79/157 82/157	N/A	67155/40920 67350(8)/40920	79/157 82/157	
Prelude 4WS	92-94	FWD	OEMA	OEMA		OEMA	67165/40920 67360(8)/40920	79/157 82/157	
Prelude	92-96	FWD	67165/40920 67360(8)/40920	OEMA	79/157 82/157	N/A	67165/40920 67360(8)/40920	79/157 82/157	
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	17-17	FWD/AWD	23450	OEMA	67	N/A	N/A		
Ridgeline	06-14	AWD	67490	OEMA	85	N/A	81295	105	
S2000	00-09	RWD	OEMA 67220(3)/40920	OEMA	80/157	OEMA	OEMA 67220/40920	80/157	
HUMMER									
H1	92-06	4WD	OEMA	OEMA		OEMA	OEMA		
H2	02-09	4WD	N/A	N/A		OEMA 23960/72509 86320, 86325 86375	OEMA 23960/72509 86320, 86325 86375 86330/72509	69/161 114,115 116,116 115/161	
H3/H3T 45940 for use on OEM style cams only	06-10	4WD	N/A	N/A		OEMA/45940 45938 86320, 86325 86360 86375	OEMA/45940 45938 86320, 86325 86360 86375	159,159 159,159 114,115 115,115 116,116	

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			CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Accent	12-17	FWD	N/A	N/A			N/A	81250	105
Accent	06-11	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104		N/A	81250	105
Accent	95-05	FWD	81250	OEMA	105		N/A	81250	105
Azera	12-17	FWD	OEMA	OEMA			N/A	81280	105
Azera from 10/31/2006	07-11	FWD	OEMA	OEMA			N/A	67195/40920	79/157
Azera to 10/31/2006	06-06	FWD	OEMA	OEMA			N/A	67190/40920	79/157
Elantra Touring	11-12	FWD	67410	OEMA 67410/85130	82 82/157		N/A	81260	105
Elantra	11-16	FWD	N/A	N/A			N/A	81260	105
Elantra	07-10	FWD	67410	OEMA 67410/85130	82 82/157		N/A	81260	105
Elantra	97-06	FWD	81250	OEMA	105		N/A	81250	105
Elantra	92-96	FWD	N/A	N/A			N/A	81250	105
Entourage	07-09	FWD	84120	OEMA	112		N/A	81250	105
Equus	14-16	RWD	OEMA	OEMA			N/A	N/A	
Equus	11-13	RWD	OEMA	OEMA			N/A	71930(*)	91
Excel	90-94	FWD	N/A	N/A			N/A	81250	105
Excel	86-89	FWD	N/A	N/A			OEMA	81250	105
Genesis Coupe	10-16	RWD	OEMA	OEMA			N/A	81260	105
Genesis Sedan	15-16	RWD/AWD	OEMA	OEMA			N/A	N/A	
Genesis Sedan	09-14	RWD/AWD	OEMA	OEMA			N/A	71930(*)	94
Pony	83-87	RWD	N/A	N/A			OEMA	N/A	
Santa Fe	13-16	FWD/AWD	N/A	OEMA			N/A	81260	105
Santa Fe	07-12	FWD/AWD	OEMA	OEMA			N/A	81260	105
Santa Fe	03-06	FWD/AWD	OEMA 67493/85130 67495/85130	OEMA 67493/85130 67495/85130	85/157 85/157		N/A	81250	105
Santa Fe	01-02	FWD/AWD	OEMA 67493/85130	OEMA 67493/85130	85/157		N/A	81250	105
Scoupe	90-95	FWD	N/A	N/A			N/A	81250	105
Sonata before 5-2011	11-11	FWD	N/A	OEMA			N/A	81260	105
Sonata after 5-2011	11-17	FWD	OEMA	OEMA			N/A	81280	105
Sonata after 9-21-2006	07-10	FWD	OEMA	OEMA			N/A	67195/40920	79/157
Sonata before 9-21-2006	99-06	FWD	N/A	OEMA			N/A	67190/40920	79/157
Sonata	95-98	FWD	OEMA	OEMA			N/A	81260	105
Sonata	89-94	FWD	N/A	N/A			N/A	81260	105
Stellar	84-88	FWD	N/A	N/A			OEMA	N/A	
Tiburon	03-09	FWD	81250	OEMA	105		N/A	81260	105
Tiburon	97-02	FWD	81250	OEMA	105		OEMA	81250	105
Tucson	10-17	FWD/AWD	OEMA	OEMA			N/A	81260	105
Tucson	05-09	FWD/AWD	81260	OEMA	105		N/A	81260	105
Veloster	12-17	FWD	75600(1)	75600(1)	104,104		N/A	81260	105
Veracruz	07-12	AWD	OEMA	OEMA			N/A	81260	105
XG300	01-01	FWD	N/A	OEMA			N/A	67190/40920	79/157
XG350	02-05	FWD	N/A	OEMA			N/A	67190/40920	79/157

INFINITI

EX35	08-12	RWD/AWD	OEMA	OEMA			72130 73005	72130 73005	97 103
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	99/165 100/165 100/165		72130 73005	72130 73005	97 103

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INFINITI-cont			R E A R			Thrust Plate	F R O N T		Page
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	
FX35	03-08	RWD/AWD	OEMA 72265/85130	OEMA 72265/85130	100/165		N/A	81260	105
FX37	13-13	FWD/AWD	OEMA	OEMA			N/A	N/A	
FX45	03-08	RWD/AWD	OEMA 72265/85130	OEMA 72265/85130	100/165		N/A	81260	105
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	105		N/A	N/A	
G25	11-12	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	99/165 100/165 100/165		72130 73005	72130 73005	97 103
G35 Sedan	07-08	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	99/165 100/165 100/165		72130 73005	72130 73005	97 103
G35 Coupe w/ rear active steer	06-07	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	99/165 100/165 100/165		72123/8370 73000/8370	72123/8370 73000/8370	97/155 103/155
G35 Sedan	03-06	RWD/AWD	OEMA 72050/85130 72052/85130 72055/85130	OEMA 72050/85130 72052/85130 72055/85130	95/165 95/165 95/165		72123/8370 73000/8370	72123/8370 73000/8370	97/155 103/155
G35 Coupe w/o rear active steer	03-07	RWD/AWD	OEMA 72050/85130 72052/85130 72055/85130	OEMA 72050/85130 72052/85130 72055/85130	95/165 95/165 95/165		72123/8370 73000/8370	72123/8370 73000/8370	97/155 103/155
G37 Sedan Convertible	09-13	RWD/AWD	OEMA	OEMA			72130 73005	72130 73005	97 103
G37	09-13	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	99/165 100/165 100/165		72130 73005	72130 73005	97 103
G37 Coupe	08-13	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	99/165 100/165 100/165		72130 73005	72130 73005	97 103
I30	95-01	FWD	N/A	N/A			N/A	81260	105
I35	02-05	FWD	N/A	N/A			N/A	81260	105
JX35	13-13	FWD/AWD	OEMA	OEMA			N/A	81260	105
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	99/165 100/165 100/165		72130 73005	72130 73005	97 103
M35h	12-13	RWD/AWD	OEMA 72240 72245	OEMA 72240 72250 72255	99,99 99,99 99		N/A	N/A	
M37	11-13	RWD/AWD	OEMA 72240 72245	OEMA 72240 72250 72255	99,99 99,99 99		N/A	N/A	
M45	06-10	RWD/AWD	OEMA 72260/85130 72262/85130 72265/85130	OEMA 72260/85130 72262/85130 72265/85130	99/165 100/165 100/165		72130 73005	72130 73005	97 103

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REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
M45	03-05	RWD/AWD	OEMA	OEMA			N/A	N/A	
M56	11-13	RWD/AWD	OEMA 72240 72245	OEMA 72240 72250 72255	99 99,99 99		N/A	N/A	
QX30	17-17	FWD/AWD	N/A	OEMA			N/A	81260	105
QX4	97-03	RWD/4WD	N/A	N/A			N/A	81260	105
QX50	14-17	RWD/AWD	OEMA 72260/85130 72262/ 85130 72265/ 85130	OEMA 72260/85130 72262/ 85130 72265/ 85130	99/ 165 100/ 165 100/ 165		72130 73005	72130 73005	97 103
QX56	04-13	RWD/4WD	OEMA	OEMA			87520	87520	119
QX60	14-17	FWD/AWD	OEMA	OEMA			N/A	81260	105
QX70	14-17	RWD/AWD	OEMA 72260/85130 72262/ 85130 72265/ 85130	OEMA 72260/85130 72262/ 85130 72265/ 85130	99/ 165 100/ 165 100/ 165		72130 73005	72130 73005	97 103
QX80	14-17	RWD/4WD	OEMA	OEMA			87520	87520	119
Q40	15-15	RWD/AWD	OEMA 72260/85130 72262/ 85130 72265/ 85130	OEMA 72260/85130 72262/ 85130 72265/ 85130	99/ 165 100/ 165 100/ 165		72130 73005	72130 73005	97 103
Q45	90-07	RWD	OEMA	OEMA			N/A	N/A	
Q50 Sedan	14-17	RWD/AWD	OEMA 72240 72245(12)	OEMA 72240 72250 72255	99 99,99 99		72130 73005	72130 73005	97 103
Q60	17-17	RWD/AWD	OEMA	OEMA			72130 73005	72130 73005	97 103
Q60 Convertible	14-15	RWD/AWD	OEMA	OEMA			72130 73005	72130 73005	97 103
Q60 Coupe	14-15	RWD/AWD	OEMA 72265/ 85130	OEMA 72265/ 85130	100/ 165		72130 73005	72130 73005	97 103
Q70	14-17	RWD/AWD	OEMA 72240 72245	OEMA 72240 72250 72255	99 99,99 99		N/A	N/A	

INTERNATIONAL

Pickup	72-75	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	64/155
Pickup (1300)	60-71	4WD	N/A	N/A		■	88940	88940	120,120
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	64/155

ISUZU

Amigo	90-00	RWD/4WD	N/A	N/A			47700(*)	47700(*)	75,75
Ascender	03-07	AWD	N/A	N/A			N/A/83785	OEMA/83785	165,165
Axiom	02-04	AWD	N/A	N/A			47700(*)	47700(*)	75,75
Hombre	96-00	RWD	N/A	N/A			47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127
Hombre	96-00	4WD	N/A	N/A			OEMA 83710	OEMA 83710	112,112
i-280	06-06	RWD	N/A	N/A			OEMA	OEMA	
i-290	07-08	RWD	N/A	N/A			OEMA	OEMA	
i-350 <i>45940 for use on OEM style cams only</i>	06-06	4WD	N/A	N/A		■	OEMA/45940 45938 86320, 86325 86360 86375	OEMA/45940 45938 86320, 86325 86360 86375	159,159 159,159 114,115 115,115 116,116
i-370 <i>45940 for use on OEM style cams only</i>	07-08	4WD	N/A	N/A		■	OEMA/45940 45938 86320, 86325 86360 86375	OEMA/45940 45938 86320, 86325 86360 86375	159,159 159,159 114,115 115,115 116,116

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ISUZU-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
I-Mark	85-89	FWD	75200(1)	75200(1)	104,104	N/A	81250	105	
Impulse	90-93	FWD/AWD	81250	OEMA	105	N/A	81250	105	
Impulse	83-89	RWD	N/A	N/A		OEMA	OEMA		
Oasis	96-99	FWD	67155/40920	OEMA	79/157	OEMA	67125/40920 67320(8)/40920	79/157 82/157	
Pickup	81-99	RWD/4WD	N/A	N/A		47700(*)	47700(*)	75,75	
Rodeo Sport	01-03	RWD/4WD	N/A	N/A		47700(*)	47700(*)	75,75	
Rodeo	91-03	RWD/4WD	N/A	N/A		47700(*)	47700(*)	75,75	
Stylus	91-94	FWD	81250	OEMA	105	OEMA	81250	105	
Trooper	81-02	RWD/4WD	N/A	N/A		47700(*)	47700(*)	75,75	
VehiCROSS	00-01	4WD	N/A	N/A		47700(*)	47700(*)	75,75	
JAGUAR									
F-Type	14-17	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	119,119	
X-Type	02-11	FWD/AWD	N/A	OEMA		N/A	N/A		
XF	09-17	RWD/AWD	N/A	OEMA		OEMA	OEMA		
XJ	10-17	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		
JEEP									
Cherokee (KL)	14-17	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	67,67 155,161 75,72,72	
Cherokee (XJ)	84-93	RWD	N/A	N/A		■ 23510(*)/ 23580, 72509 47240(*)	23510(*)/ 72509, 23580	67,67 155,161 75	
Cherokee (XJ)	84-01	4WD	N/A	N/A		■ 23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	67,67 155,161 75,72,72	
Cherokee (SJ)	74-83	4WD	N/A	N/A		■ 23000(*)/4169	23000(*)/4169	64/155	
Comanche (MJ)	86-92	RWD/4WD	N/A	N/A		■ 23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	67,67 155,161 75,72,72	
Commander (XK)	06-10	RWD/4WD	N/A	N/A		OEMA	OEMA 23420/72509 26012, 26014	66/161 72,72	
Commando	66-73	4WD	N/A	N/A		23000(*)/4169	23000(*)/4169	64/155	
Compass (MK)	07-17	FWD/AWD	67455	OEMA	83	N/A	81260	105	
CJ	72-86	4WD	N/A	N/A		■ 23000(*)/4169 80199(*)	23000(*)/4169	64/155 106	
CJ	45-71	4WD	N/A	N/A		■ 23000(*)/4169	23000(*)/4169	64/155	
Grand Cherokee (WK2)	11-17	RWD/AWD	OEMA	OEMA		OEMA 82360	OEMA 82360	109,109	
Grand Cherokee (WK)	05-10	RWD/4WD	N/A	N/A		OEMA	OEMA 23420/72509 26012, 26014	66/161 72,72	
Grand Cherokee (WJ)	99-04	RWD/4WD	N/A	N/A		23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	67,67 155,161 75,72,72	

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JEEP-cont.		REAR				Thrust Plate	FRONT		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Grand Cherokee (ZJ)	93-98	RWD/4WD	82370(19)/74910	N/A	110/163		23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	67,67 155,161 75,72,72
Grand Wagoneer (SJ)	74-91	4WD	N/A	N/A			23000(*)/4169	23000(*)/4169	64/155
Jeepster	66-73	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	64/155
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 82365 26012, 26014	109,109 72,72
Patriot (MK)	07-17	FWD/AWD	67455	OEMA	83		N/A	81260	105
Pickup J10/J20 (SJ)	74-84	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	64/155
Renegade (BU)	15-17	FWD/4WD	81250	N/A	105		N/A	81250	105
Scrambler	82-86	4WD	N/A	N/A		■	23000(*)/4169	23000(*)/4169	64/155
Wagoneer (XJ)	84-90	RWD	N/A	N/A		■	23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509	67,67 155,161 75
Wagoneer (XJ)	84-90	4WD	N/A	N/A		■	23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	67,67 155,161 75,72,72
Wrangler (JK) <i>23605 front toe adjuster pg 67 13410, 13415, 13420, 13425, control arms available pg 63</i>	07-17	RWD/4W	82390(19)/74910	N/A	110/163		23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	67,67 155,161 75,72,72
Wrangler (TJ)	97-06	4WD	82370(19)/74910	N/A	110/163		23510(*)/ 23580, 72509 47240(*)	23510(*)/ 23580, 72509 26012, 26014	67,67 155,161 75,72,72
Wrangler (YJ)	87-95	4WD	N/A	N/A		■	Axle Wedges 23510(*)/ 23580, 72509	23510(*)/ 23580, 72509 26012, 26014	67 67,155,161 155,161,72

KENWORTH

<i>See our Heavy Duty</i>	<i>Section</i>	<i>pages 131-141</i>							
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KIA

Amanti	07-11	FWD	OEMA	OEMA			N/A	67195/40920	79/157
Amanti	04-06	FWD	N/A	OEMA			N/A	67190/40920	79/157
Borrego	09-11	FWD/AWD	OEMA	OEMA			OEMA	OEMA	
Cadenza	14-16	FWD	N/A	OEMA			N/A	N/A	
Forte	09-16	FWD	75600(1)	75600(1)	104,104		N/A	81260	105
K900	16-17	RWD	OEMA	OEMA			N/A	N/A	
K900	15-15	RWD	OEMA	OEMA			N/A	71930(*)	94
Optima Built after 7-1-2011	12-17	FWD	OEMA	OEMA			N/A	81280	105
Optima Built before 7-1-2011	11-12	FWD	OEMA	OEMA			N/A	81260	105
Optima	09-10	FWD	N/A	OEMA			N/A	81260	105
Optima	07-08	FWD	67410	OEMA 67410/85130	82 82/165		N/A	81260	105
Optima	01-06	FWD	N/A	OEMA			N/A	67190/40920	79/157
Rio	12-17	FWD	N/A	N/A			N/A	81260	105
Rio	01-11	FWD	75800(1)	75800(1)	104,104		N/A	81250	105
Rio5	06-11	FWD	75800(1)	75800(1)	104,104		N/A	81250	105
Rondo	07-12	FWD	67410	OEMA 67410/85130	82 82/165		N/A	81260	105
Sedona	15-17	FWD	OEMA 84120	OEMA	112		N/A	81280	105
Sedona	06-14	FWD	84120	OEMA	112		N/A	81250	105
Sedona	02-05	FWD	N/A	N/A			N/A	81260	105
Sephia	94-02	FWD	81250	OEMA	105		N/A	OEMA 81250	105
Sorento	16-17	FWD/AWD	N/A	OEMA			N/A	81280	105
Sorento	11-15	FWD/AWD	OEMA	OEMA			N/A	81260	105

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Sorento	03-10	FWD/AWD	N/A	N/A		N/A	OEMA		
Soul	09-15	FWD	75600(1)	75600(1)	104,104	N/A	81260	105	
Spectra	01-09	FWD	81250	OEMA	105	N/A	81250	105	
Sportage	11-15	FWD/AWD	OEMA	OEMA		N/A	81260	105	
Sportage	05-10	FWD/AWD	81260	OEMA	105	N/A	81260	105	
Sportage	95-02	FWD/AWD	N/A	N/A		OEMA	OEMA		
LAND ROVER									
Discovery	99-04	4WD	N/A	N/A		N/A	N/A		
Discovery Sport	15-17	4WD	N/A	OEMA		N/A	N/A		
Freelander	02-06	4WD	81260	OEMA	105	N/A	81260	105	
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	13-17	4WD	N/A	OEMA		N/A	N/A		
Range Rover	03-12	4WD	N/A	OEMA		N/A	81280	105	
Range Rover	95-02	4WD	N/A	N/A		N/A	N/A		
Range Rover Evoque	13-17	4WD	N/A	OEMA		N/A	N/A		
Range Rover Sport	14-17	4WD	OEMA	N/A		N/A	N/A		
Range Rover Sport	06-13	4WD	OEMA	OEMA		OEMA	OEMA		
LEXUS									
CT	11-17	FWD	67487	OEMA 67800	85 89	N/A	81290	105	
ES	13-17	FWD	81290	N/A	105	N/A	81290	105	
ES	92-12	FWD	81270	OEMA	105	N/A	81290 82120/ 85130	105 109/ 165	
ES	90-91	FWD	81270	OEMA	105	85690, 85695	81290 82120/ 85130	113,105 109/ 165	
GS	13-17	RWD/AWD	72450	OEMA	101	N/A	N/A		
GS	06-11	RWD/AWD	67520	OEMA	86	N/A	67530/ 40920	86/ 157	
GS	98-05	RWD	OEMA 67510/ 85130	OEMA	85/ 165	72270	OEMA 72270	100 100	
GS	93-97	RWD	OEMA	OEMA		OEMA 72270	OEMA 72270	100,100	
GX	10-17	4WD	N/A	N/A		OEMA 25440/ 40915 25480	OEMA 25440/ 40915 25480	71/ 157 71,71	
GX	03-09	4WD	N/A	N/A		OEMA 25435/ 40915 25480	OEMA 25435/ 40915 25480	71/ 157 71,71	
HS	10-12	FWD	67487	OEMA 67800	85 89	N/A	81290	105	
IS (IS-F only)	14-14	RWD	67520	OEMA	86	N/A	67530/ 40920	86/ 157	
IS Convertible	14-15	RWD/AWD	67520	OEMA	86	N/A	67530/ 40920	86/ 157	
IS (Except Convertible)	14-16	RWD/AWD	72450	OEMA	101	N/A	N/A		
IS (inc F)	06-13	RWD/AWD	67520	OEMA	86	N/A	67530/ 40920	86/ 157	
IS	01-05	RWD	OEMA 67515/ 85130	OEMA	85/ 165	N/A	OEMA 67525/ 40920	86/ 157	
LS	07-17	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	08-17	4WD	N/A	N/A		OEMA 25450/ 40915 25465	OEMA 25450/ 40915 25465	71/ 157 71,71	
LX 470	98-07	4WD	N/A	N/A		OEMA 25455	OEMA 25455	71,71	

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

LEXUS-cont.

Model/Body Style	Year	Drive Type	REAR			Thrust Plate	FRONT		
			CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
LX 450	96-98	4WD	N/A	N/A			88915, 88920	88915, 88920	120,120
NX	15-17	FWD/AWD	67810, 67811	OEMA	90,90		N/A	81290	105
RC	15-17	RWD	72450	OEMA	101		N/A	N/A	
RX	10-17	FWD/AWD	N/A	OEMA			N/A	81290	105
RX	99-09	FWD/AWD	81270	OEMA	105		N/A	81290 82120/ 85130	105 109/ 165
SC	02-10	RWD	OEMA 67510/ 85130	OEMA	85/ 165		72270	OEMA 72270	100 100
SC	92-01	RWD	OEMA	OEMA			OEMA	OEMA	

LINCOLN

Aviator	03-05	RWD/4WD	86180	OEMA	113		86140	86140	113,113
Blackwood EXT	02-03	RWD/4WD	N/A	N/A		■	87385	87385	118,118
Continental	17-17	FWD/AWD	N/A	OEMA			N/A	81280	105
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	105 109/ 165
LS	00-06	RWD	N/A	OEMA			OEMA 87545	OEMA 87545	119,119
Mark LT	06-09	RWD/4WD	N/A	N/A			OEMA 86250 86252 25680	86250 86252 25680	114,114 114,114 72,72
Mark VII	84-92	RWD	N/A	N/A			N/A	OEMA 81280 82120/ 85130	105 109/ 165
Mark VIII	93-97	RWD	OEMA	OEMA			OEMA	OEMA 87535	118
MKC	15-17	FWD/AWD	N/A	OEMA			N/A	N/A	
MKS	13-16	FWD/AWD	OEMA 84130	OEMA	112		N/A	81280	105
MKS	09-12	FWD/AWD	OEMA 84130	OEMA	112		N/A	OEMA	
MKT	13-17	FWD/AWD	OEMA 84130	OEMA	112		N/A	81280	105
MKT	10-12	FWD/AWD	OEMA 84130	OEMA	112		N/A	OEMA	
MKX	07-17	FWD/AWD	OEMA	OEMA			N/A	81280	105
MKZ	13-17	AWD	N/A	OEMA			N/A	81280	105
MKZ	13-17	FWD	67680	OEMA	89		N/A	81280	105
MKZ	07-12	FWD/AWD	OEMA 67425	OEMA	83		N/A	67115/ 40920	79/ 157
Navigator	07-17	RWD/4WD	OEMA	OEMA			OEMA 86250 86252	OEMA 86250 86252	114,114 114,114
Navigator	03-06	RWD/4WD	86680	OEMA	117		86640/ 83820	86640/ 83820	116/ 165
Navigator	98-02	RWD/4WD	N/A	N/A			87385	87385	118,118
Town Car	03-11	RWD	N/A	N/A			OEMA	OEMA 87365/ 02099, 85130	118/ 165,174
Town Car	91-02	RWD	N/A	N/A			OEMA	OEMA/ 88325	167
Town Car	80-90	RWD	N/A	N/A			OEMA	OEMA	
Zephyr	06-06	FWD/AWD	OEMA 67425	OEMA	83		N/A	67115/ 40920	79/ 157

MAZDA

2	11-14	FWD	N/A	N/A			N/A	81250	105
3	14-16	FWD	67415	OEMA	82		N/A	81260	105
3 Inc. Mazdaspeed 3	04-13	FWD	67420	OEMA	83		N/A	N/A	
323	90-94	FWD/AWD	81250	OEMA 67070	105 78		N/A	OEMA 81250	105
323	86-89	FWD/AWD	81250	OEMA	105		N/A	OEMA 81250	105

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MAZDA-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
5	06-15	FWD	67420	OEMA	83	N/A	N/A		
6	14-16	FWD	N/A	OEMA		N/A	81280	105	
6	09-13	FWD	67425	OEMA	83	N/A	N/A		
6 Inc. Mazdaspeed 6	03-08	FWD/AWD	OEMA 67425	OEMA	83	N/A	67115/40920	79/157	
626	83-02	FWD	81250	OEMA	105	OEMA	OEMA 81250	105	
626	79-82	RWD	N/A	N/A		N/A	N/A		
929	92-95	RWD	OEMA	OEMA		N/A	OEMA		
929	88-91	RWD	N/A	OEMA		OEMA	OEMA 81250	105	
B-Series Pickup	98-12	RWD/4WD	N/A	N/A		■ 87500	87500	119,119	
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	65/166 164,167 70,70 163,163 117	
CX-3	16-17	FWD/AWD	N/A	N/A		N/A	81260	105	
CX-5	13-17	FWD/AWD	N/A	OEMA		N/A	81280	105	
CX-7	07-12	FWD/AWD	N/A	OEMA		OEMA	OEMA 81260	105	
CX-9	07-16	FWD/AWD	OEMA	OEMA		N/A	81260		
GLC	82-85	FWD	81250	OEMA	105	N/A	OEMA 81250	105	
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	105	
MX-3	92-95	FWD	81250	OEMA	105	N/A	OEMA 81250	105	
MX-5 Miata (ND)	16-17	RWD	OEMA	OEMA		OEMA	OEMA		
MX-5 Miata (NC)	06-15	RWD	OEMA	OEMA		OEMA 83185	OEMA 83185	112,112	
MX-5 Miata (NA/NB)	90-05	RWD	OEMA 83180	OEMA 83180	112,112	OEMA 83180	OEMA 83180	112,112	
MX-6	88-97	FWD	81250	OEMA	105	OEMA	OEMA 81250	105	
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	65/166 164,167 70,70 163,163 117	
Pickup	86-93	RWD/4WD	N/A	N/A		■ 47700(*)	47700(*)	75,75	
Protege	99-03	FWD/AWD	81250	OEMA	105	OEMA	OEMA 81250	105	
Protege	95-98	FWD/AWD	81250	OEMA 67070	105 72	OEMA	OEMA 81250	105	
Protege	90-94	FWD/AWD	81250	OEMA	105	OEMA	OEMA 81250	105	
Protege5	02-03	FWD/AWD	81250	OEMA	105	OEMA	OEMA 81250	105	
RX-7	93-96	RWD	OEMA	OEMA		OEMA	OEMA		
RX-7	86-92	RWD	N/A	OEMA		OEMA	OEMA 81250	105	
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	OEMA	81	OEMA	OEMA 81250	105	

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MERCEDES BENZ

R E A R

F R O N T

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
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NOTE: ON ALL MERCEDES - Manufacturer recommends tool #99918 for setting toe (pg 169).

B-Class W246	12-17	FWD	N/A	OEMA			N/A	81260	105
B-Class W245	05-11	FWD	N/A	OEMA			N/A	81260	105
C-Class W204 4MATIC Coupe	15-15	AWD	28850(32)/ 72509, 76000	OEMA	73 161,163		28815	28815 81260	72,72 105
C-Class Coupe W204	15-15	RWD	28850(32)/ 72509, 76000	OEMA	73 161,163		28815	28815	72,72
C-Class Sedan W205	15-16	RWD/AWD	28855(32)/ 72509, 76000	OEMA	73 161,163		N/A	N/A	
C-Class W204 4MATIC	08-14	AWD	28850(32)/ 72509, 76000	OEMA	73 161,163		28815	28815 81260	72,72 105
C-Class W204	08-14	RWD	28850(32)/ 72509, 76000	OEMA	73 161,163		28815	28815	72,72
C-Class W203 4MATIC	01-07	AWD	28840/ 72509, 75990	OEMA	73 161,163		28810	28810 81260	72,72 105
C-Class W203	01-07	RWD	28840/ 72509, 75990	OEMA	73 161,163		28810	28810	72,72
C-Class W202	94-00	RWD/AWD	28840/ 72509, 75990	OEMA	73 161,163		28815	28815	72,72
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	72,72
CLA-Class C117	14-17	FWD/AWD	N/A	OEMA			N/A	81260	105
CLK-Class W209	04-09	RWD	28840/ 72509, 75990	OEMA	73 161,163		28810	28810	72,72
CLK-Class W208 Cabriolet	03-03	RWD	28840/ 72509, 75990	OEMA	73 161,163		28815	28815	72,72
CLK-Class W209 Coupe	03-03	RWD	28840/ 72509, 75990	OEMA	73 161,163		28810	28810	72,72
CLK-Class W208	98-02	RWD	28840/ 72509, 75990	OEMA	73 161,163		28815	28815	72,72
CLS-Class W218 4MATIC	12-17	AWD	N/A	OEMA			28815	28815 81260	72,72 105
CLS-Class W218	12-17	RWD	N/A	OEMA			28815	28815	72,72
CLS-Class	05-11	RWD	N/A	OEMA			28810	28810	72,72
E-Class Sedan W213	17-17	RWD/AWD	N/A	OEMA			N/A	N/A	
E-Class W212/S212 4MATIC Sedan/Wagon	10-16	AWD	28855(32)/ 76000, 72509	OEMA	73 161,163		28815	28815 81260	72,72 105
E-Class W212/S212 Sedan/Wagon	10-16	RWD	28855(32)/ 76000, 72509	OEMA	73 161,163		28815	28815	72,72
E-Class A207/C207 4MATIC Coupe/Convertible	10-17	AWD	28850(32)/ 72509, 76000	OEMA	73 161,163		N/A	81260	105
E-Class A207/C207 Coupe/Convertible	10-17	RWD	28850(32)/ 72509, 76000	OEMA	73 161,163		N/A	N/A	
E-Class W211 4MATIC	03-09	AWD	28860(32)/ 72509, 76000	OEMA	73 161,163		28815	28815	72,72
E-Class W211	03-09	RWD	28860(32)/ 72509, 76000	OEMA	73 161,163		28810	28810	72,72
E-Class W210	96-02	RWD/AWD	28840/ 72509, 75990	OEMA	73 161,163		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	73 161,163		OEMA	OEMA	
G-Class 463	02-17	4WD	N/A	OEMA			OEMA	OEMA	
GL-Class X166	13-16	AWD	OEMA	OEMA			N/A	N/A	
GL-Class	07-12	AWD	OEMA	OEMA			N/A	N/A	
GLA-Class X156	15-17	FWD/AWD	N/A	OEMA			N/A	81260	105
GLC-Class	16-17	RWD/AWD	N/A	OEMA			N/A	N/A	
GLE-Class	16-16	RWD/AWD	OEMA	OEMA			N/A	N/A	

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MERCEDES BENZ-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
NOTE: ON ALL MERCEDES - Manufacturer recommends tool #99918 for setting toe (pg 169).									
GLK-Class X204	09-15	RWD/4WD	28850(32)/ 72509, 76000	OEMA	73 161,163		28815	28815 81260	72,72 105
GLS-Class X166	17-17	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	16-17	RWD	N/A	OEMA			N/A	OEMA 81260	105
R-Class W251	06-12	RWD/AWD	OEMA	OEMA			N/A	OEMA	
S-Class W222	14-17	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	72,72
S-Class W220	99-05	RWD	N/A	OEMA			28810	28810	72,72
Sprinter Van	07-17	RWD	N/A	N/A		■	N/A	35077	74
Sprinter Van	01-06	RWD	N/A	N/A		■	N/A	35075, 35076	73,73
SL-Class R231	13-17	RWD	N/A	OEMA			28810	N/A	72
SL-Class R230	03-12	RWD	N/A	OEMA			28810	28810	72,72
SL-Class W129	99-02	RWD	28840/ 72509, 75990	OEMA	73 161,163		OEMA	OEMA	
SL-Class W129	89-98	RWD	N/A	OEMA			OEMA	OEMA	
SLC-Class R172	17-17	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	73 161,163		28810	28810	72,72
SLK R170	96-04	RWD	28840/ 72509, 75990	OEMA	73 161,163		28815	28815	72,72
MERCURY									
Capri <i>94009 replacement upper ball joint</i>	91-94 <i>pg 121</i>	RWD	81250	OEMA	105		OEMA 94210	OEMA 94210 83160	122,122 111
Capri	79-86	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	105 109/165
Comet <i>94009 replacement upper ball joint</i>	66-77 <i>pg 121</i>	RWD	N/A	N/A			OEMA 94210	OEMA 94210 83160	122,122 111
Comet <i>94009 replacement upper ball joint</i>	64-65 <i>pg 121</i>	RWD	N/A	N/A			47700(*) 94215 94220	47700(*) 94215	75,75 122,122 122
Comet	60-63	RWD	N/A	N/A			47700(*)	47700(*)	75,75
Cougar	99-02	FWD	N/A	OEMA			89675	89675	120,120
Cougar	89-97	RWD	OEMA	OEMA			OEMA	OEMA 87535	119
Cougar	80-88	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	105 109/165
Cougar	74-79	RWD	N/A	N/A			OEMA	OEMA 83160	111
Cougar <i>94009 replacement upper ball joint</i>	67-73 <i>pg 121</i>	RWD	N/A	N/A			OEMA 94210	OEMA 94210 83160	122,122 111

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REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Cyclone 94009 replacement upper ball joint	66-71 pg 121	RWD	N/A	N/A			OEMA 94210	OEMA 94210 83160	122,122 111
Cyclone 94009 replacement upper ball joint	64-65 pg 121	RWD	N/A	N/A			47700(*) 94215 94220	47700(*) 94215	75,75 122,122 122
Grand Marquis	03-11	RWD	N/A	N/A			OEMA	OEMA 87365/85130, 02099	118/165,174
Grand Marquis	91-02	RWD	N/A	N/A			OEMA	OEMA/88325	167
Grand Marquis	83-90	RWD	N/A	N/A			OEMA	OEMA	
Lynx	81-87	FWD	81250	OEMA	105		N/A	N/A	
LN7	82-85	FWD	81250	OEMA	105		N/A	N/A	
Marauder	03-04	RWD	N/A	N/A			OEMA	OEMA 87365/85130, 02099	118/165,174
Mariner	05-11	FWD/AWD	67285	OEMA	81		OEMA	OEMA 81250	105
Marquis	83-86	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	105 109/165
Milan	06-11	FWD/AWD	OEMA 67425	OEMA	83		N/A	67115/40920	79/157
Monarch	75-80	RWD	N/A	N/A			OEMA	OEMA 83160	111
Montego	05-07	AWD	N/A	OEMA			N/A	OEMA	
Montego	05-07	FWD	71760(*)	OEMA	93		N/A	OEMA	
Montego	66-71	RWD	N/A	N/A			OEMA	OEMA 83160	111
Monterey	04-07	FWD	N/A	N/A			OEMA	OEMA 89685	120
Mountaineer	06-10	RWD/4WD	OEMA	OEMA			OEMA	OEMA	
Mountaineer	02-05	RWD/4WD	86180	OEMA	113		86140	86140	113,113
Mountaineer	96-01	RWD/4WD	N/A	N/A			87310 87500	87310 87500	117,117 119,119
Mystique	95-00	FWD	N/A	OEMA			89675	89675	120,120
Sable	08-09	AWD	N/A	OEMA			N/A	OEMA	
Sable	08-09	FWD	71760(*)	OEMA	93		N/A	OEMA	
Sable Wagon	96-05	FWD	87350/85130	OEMA/ 97650	117/166 167		OEMA	OEMA 89635	120
Sable Sedan 87325 Intended for use on OE adjusters NOT intended for aftermarket parts	96-06	FWD	87330/87320, 8370	OEMA 87330/8370 87325, 87320	117/166 117/155 166,166		OEMA	OEMA 89635	120
Sable Sedan 87325 Intended for use on OE adjusters NOT intended for aftermarket parts	86-95	FWD	87330/87320, 8370	OEMA 87330/8370 87325, 87320	117/166 117/155 166,166		OEMA	OEMA	
SableWagon	86-95	FWD	87350/85130	OEMA/ 97650	117/165 167		OEMA	OEMA	
Topaz	86-94	FWD/AWD	81250	OEMA/87325	105/166		N/A	N/A	
Topaz	84-85	FWD/AWD	81250	N/A	105		N/A	N/A	
Tracer	97-99	FWD	81250	N/A	105		N/A	OEMA 81250	105
Tracer	95-96	FWD	81250	OEMA	105		OEMA	OEMA 81250	105
Tracer	91-94	FWD	81250	OEMA 67070	105 78		OEMA	OEMA 81250	105
Tracer	87-90	FWD	81250	OEMA	105		N/A	OEMA 81250	105
Villager	93-02	FWD	75400(1)	75400(1)	104,104		N/A	81250	105
Zephyr	78-83	RWD	N/A	N/A			N/A	OEMA 81280 82120/85130	105 109/165

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

MINI			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
Cooper Conv. F57	16-17	FWD	OEMA	OEMA		N/A	N/A		
Cooper Hard. F55/F56	14-17	FWD	OEMA	OEMA		N/A	N/A		
Cooper Conv. R57	09-15	FWD	67610	OEMA/87560	87/166	67630/72095	67630/72095	87/161	
CooperHard. R55/R56	07-13	FWD	67610	OEMA/87560	87/166	67630/72095	67630/72095	87/161	
Cooper JCW GP	07-13	FWD	67610	OEMA/87560	87/166	N/A	N/A		
Cooper Conv. R52	04-08	FWD	67610	OEMA/87560	87/166	67620/72095	67620/72095	87/161	
Cooper Hardtop R50/R53 before 3/02	02-02	FWD	67610	OEMA/87560	87/166	N/A	N/A		
Cooper Hardtop R50/R53 after 3/02	02-06	FWD	67610	OEMA/87560	87/166	67620/72095	67620/72095	87/161	
Cooper Clubman F54	16-17	FWD	OEMA	OEMA		N/A	N/A		
Cooper Clubman R55	08-14	FWD	67610	OEMA/87560	87/166	67630/72095	67630/72095	87/161	
Cooper Countryman F60	17-17	FWD/AWD	OEMA	OEMA		N/A	N/A		
Cooper Countryman R60	11-16	FWD/AWD	67610	OEMA	87	67630/72095	67630/72095	87/161	
Cooper Paceman R61	13-16	FWD/AWD	67610	OEMA	87	67630/72095	67630/72095	87/161	
Coupe Incl. Roadster R58/R59	12-15	FWD	67610	OEM/87560	87/166	67630/72095	67630/72095	87/161	
MITSUBISHI									
i-MiEV	12-17	RWD	N/A	N/A		N/A	N/A		
Diamante	97-04	FWD	73400+73415(7) 73600, 73620(8)	OEMA	102,102 102,102	N/A	81250	105	
Diamante	92-96	FWD/AWD	OEMA	OEMA		N/A	81250	105	
Eclipse	06-12	FWD	OEMA	OEMA		N/A	81280	105	
Eclipse	00-05	FWD	73400+73415(7) 73600, 73620(8)	OEMA	102,102 102,102	N/A	81280 82120/85130	105 109/165	
Eclipse	95-99	FWD/AWD	73400+73415(7) 73600, 73620(8)	OEMA	102,102 102,102	N/A	67170/40920 67370(8)/40920	79/157 82/157	
Eclipse	90-94	AWD	OEMA	OEMA		N/A	81250	105	
Eclipse	90-94	FWD	N/A	N/A		N/A	81250	105	
Endeavor	04-11	FWD/AWD	OEMA	OEMA		N/A	81280	105	
Expo	92-95	FWD/AWD	N/A	OEMA		N/A	81250	105	
Expo LRV	92-94	FWD/AWD	N/A	OEMA		N/A	81250	105	
Galant	04-12	FWD	OEMA	OEMA		N/A	81280	105	
Galant	99-03	FWD/AWD	73400+73415(7) 73600, 73620(8)	OEMA	102,102 102,102	N/A	81280 82120/85130	105 109/165	
Galant	94-98	FWD/AWD	73400+73415(7) 73600, 73620(8)	OEMA	102,102 102,102	N/A	67170/40920 67370(8)/40920	79/157 82/157	
Galant	85-93	FWD	N/A	N/A		N/A	81250	105	
Lancer	08-17	FWD/AWD	67455	OEMA	83	N/A	81260	105	
Lancer	02-07	FWD/AWD	N/A	OEMA		N/A	81260	105	
Lancer Evolution	02-15	AWD	OEMA	OEMA		N/A	81260	105	
Mighty Max Pickup	86-98	RWD/4WD	N/A	N/A		47700(*)	47700(*)	75,75	
Mirage	14-15	FWD	N/A	N/A		N/A	81250	105	
Mirage	94-03	FWD	OEMA	OEMA		N/A	81250	105	
Mirage	85-93	FWD/AWD	N/A	N/A		N/A	81250	105	
Montero	01-06	FWD/AWD	OEMA	OEMA		47700(*)	47700(*)	75,75	
Montero Sport	97-04	RWD/4W	N/A	N/A		OEMA	OEMA		
Outlander	07-17	FWD/AWD	67455	OEMA	83	N/A	81260	105	
Outlander	03-06	FWD/AWD	N/A	OEMA		N/A	81260	105	
Outlander Sport	11-17	FWD/AWD	67455	OEMA	83	N/A	81260	105	
Precis	87-93	FWD	N/A	N/A		OEMA	81250	105	
Raider	06-09	RWD/4WD	N/A	N/A		OEMA 82400	OEMA 82400	111,111	

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

MITSUBISHI-cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
RVR	10-15	FWD/AWD	67455	OEMA	83		N/A	81260	105
Starion	83-89	RWD	N/A	OEMA			OEMA	N/A	
Tredia	83-88	FWD/AWD	N/A	N/A			OEMA	81250	105
Van	87-91	FWD	N/A	N/A			N/A	OEMA	
3000GT	90-99	FWD/AWD	OEMA	OEMA			N/A	OEMA 81250	105

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<i>See our Heavy Duty Section</i>	<i>pages 131-141</i>								
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NISSAN

200SX (B14)	94-98	FWD	N/A	N/A			N/A	81250	105
200SX (S12)	84-88	RWD	N/A	OEMA			N/A	83115/ 73010(4)	111/ 161
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	89,89,89		67720	OEMA 81250	89 105
240SX (S13)	89-94	RWD	OEMA 67765	OEMA 67740	89,89		67720	OEMA 81250	89 105
240Z	71-73	RWD	N/A	N/A			N/A	83115/ 73010(4)	111/ 161
260Z	74-74	RWD	N/A	N/A			N/A	83115/ 73010(4)	111/ 161
280Z	75-78	RWD	N/A	N/A			N/A	83115/ 73010(4)	111/ 161
280ZX	79-83	RWD	N/A	N/A			N/A	83115/ 73010(4)	111/ 161
300ZX	90-96	RWD	OEMA 67765	OEMA 67765	89,89		N/A	83115/ 73010(4)	111/ 161
300ZX	84-89	RWD	N/A	OEMA			N/A	83115/ 73010(4)	111/ 161
310	79-82	RWD	N/A	N/A			N/A	N/A	
350Z	03-08	RWD	OEMA 72050/85130 72052/ 85130 72055/ 85130	OEMA 72050/85130 72052/ 85130 72055/ 85130	95/ 165 95/ 165 95/ 165		72123/ 8370 73000/ 8370	72123/ 8370 73000/ 8370	97/ 155 103/ 155
370Z	09-17	RWD	OEMA 72260/85130 72262/ 85130 72265/ 85130	OEMA 72260/85130 72262/ 85130 72265/ 85130	99/ 165 100/ 165 100/ 165		72130 73005	72130 73005	97,97 103,103
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)	111/ 161
Altima Sedan	13-17	FWD	OEMA 72295	OEMA	101		N/A	81260	105
Altima Sedan	07-12	FWD	OEMA 72055/ 85130 72290/85130	OEMA 72055/ 85130 72290/85130	95/ 165 100/ 165		N/A	81260	105
Altima Coupe	07-13	FWD	OEMA 72055/ 85130 72290/85130	OEMA 72055/ 85130 72290/85130	95/ 165 100/ 165		N/A	81260	105
Altima	02-06	FWD	OEMA 72050/85130 72052/ 85130 72055/ 85130	OEMA 72050/85130 72052/ 85130 72055/ 85130	95/ 165 95/ 165 95/ 165		N/A	81260	105
Altima	93-01	FWD	81250	OEMA	105		N/A	81250	105
Armada	17-17	RWD/4WD	OEMA	OEMA			OEMA	OEMA	
Armada	04-15	RWD/4WD	OEMA	OEMA			25560 87520	25560 87520	72,72 119,119
Axxess	90-95	FWD/AWD	N/A	OEMA			N/A	81250	105
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	09-14	FWD	75610(1)	75610(1)	104,104		N/A	81260	105
<i>Vehicles with rear disc brakes may also need part no. 75970 pg 104</i>									
Frontier	05-17	RWD/4WD	N/A	N/A		■	25540 87520	25540 87520	72,72 119,119
Frontier	98-04	RWD/4WD	N/A	N/A		■	OEMA 87515	OEMA 87515	119,119

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

NISSAN-cont.			R E A R			Thrust Plate	F R O N T		Page
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	
GT-R	09-17	AWD	OEMA	OEMA			OEMA	OEMA	
Juke	11-17	AWD	OEMA	OEMA			N/A	81260	105
Juke	11-17	FWD	71000(*)	71000(*)	91,91		N/A	81260	105
Leaf	11-16	FWD	71000(*)	71000(*)	91,91		N/A	81260	105
Maxima	16-17	FWD	OEMA 72295	OEMA	101		N/A	81260	105
Maxima	04-14	FWD	OEMA 72050/ 85130 72052/ 85130 72055/ 85130	OEMA 72050/ 85130 72052/ 85130 72055/ 85130	95/ 165 95/ 165 95/ 165		N/A	81260	105
Maxima	95-03	FWD	N/A	N/A			N/A	81260	105
Maxima	85-94	FWD	67010	OEMA	77		N/A	81250	105
Maxima	82-84	RWD	N/A	N/A			N/A	83115/ 73010(4)	111/ 161
Murano Inc. CrossCabriolet	03-17	FWD/AWD	OEMA	OEMA			N/A	81260	105
NV 1500/2500/3500 /Passenger Van	12-17	RWD	N/A	N/A			OEMA	OEMA	
NV200	13-17	FWD	N/A	N/A			N/A	81260	105
NX	91-94	FWD	81250	OEMA	105		N/A	81250	105
Pathfinder	13-17	FWD/AWD	OEMA	OEMA			N/A	81260	105
Pathfinder	05-12	RWD/4WD	OEMA	OEMA			25540 87520	25540 87520	72,72 119,119
Pathfinder	96-04	RWD/4WD	N/A	N/A			N/A	81260	105
Pathfinder	87-95	RWD/4WD	N/A	N/A			35080(*)	35080(*)	74,74
Pickup	86-97	RWD/4WD	N/A	N/A		■	35080(*)	35080(*)	74,74
Pulsar	87-90	FWD	81250	OEMA	105		N/A	OEMA 81250	105
Pulsar	83-86	FWD	N/A	N/A			N/A	81250	105
Quest	04-17	FWD	OEMA	OEMA			N/A	81260	105
Quest	93-02	FWD	75400(1)	75400(1)	104,104		N/A	81250	105
Rogue	14-16	FWD/AWD	OEMA	OEMA			N/A	N/A	
Rogue	08-13	FWD/AWD	N/A	OEMA			N/A	81260	105
Rogue Select	14-15	FWD/AWD	N/A	OEMA			N/A	81260	105
Sentra <i>Vehicles with rear disc brakes may also need part no. 75970 pg 104</i>	13-17	FWD	75610(1)	75610(1)	104,104		N/A	81260	105
Sentra	07-12	FWD	71700	71700	91,91		N/A	81260	105
Sentra	95-06	FWD	N/A	N/A			N/A	81250	105
Sentra Wagon	87-90	4WD	81250	OEMA	105		N/A	OEMA 81250	105
Sentra	87-94	FWD	81250	OEMA	105		N/A	OEMA 81250	105
Sentra	83-86	FWD	N/A	N/A			N/A	81250	105
Stanza	87-92	FWD	67010	OEMA	77		N/A	81250	105
Stanza Wagon	85-88	FWD	N/A	N/A			N/A	81250	105
Stanza Wagon	85-88	4WD	81260	OEMA	105		N/A	81250	105
Stanza	82-86	FWD	N/A	OEMA			N/A	81250	105
Titan	16-17	RWD/4WD	N/A	N/A		■	OEMA	OEMA	
Titan	04-15	RWD/4WD	N/A	N/A		■	25560 87520	25560 87520	72,72 119,119
Versa Incl. Note	12-17	FWD	75200(1)	75200(1)	104,104		N/A	81260	105
Versa	07-11	FWD	75610(1)	75610(1)	104,104		N/A	81260	105
Xterra	05-15	RWD/4WD	N/A	N/A		■	25540 87520	25540 87520	72,72 119,119
Xterra	00-04	RWD/4WD	N/A	N/A			OEMA	OEMA	

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

OLDSMOBILE

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
442 <i>Pro Springs Available pg 126</i> 94391 (64-67) - 94392 (66-72) 94001 upper ball joint pg 121	64-72	RWD	N/A	N/A			47700(*) 94320 94344(22)	47700(*) 94320	75,75 124,124 125
88	86-99	FWD	81280 82120/ 85130	OEMA	105 109/ 165		OEMA/ 85130	81280 82120/ 85130	105/ 165 109/ 165
88 'B' Body <i>94006 replacement upper ball joint pg 121</i> <i>94017 extended upper ball joint pg 121</i>	78-85	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
88 <i>94006 replacement upper ball joint pg 121</i> <i>94017 extended upper ball joint pg 121</i>	71-77	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
98	85-99	FWD	81280 82120/ 85130	OEMA	105 109/ 165		OEMA	81280 82120/ 85130	105 109/ 165
98	77-84	RWD	N/A	N/A			47700(*)	47700(*)	75,75
Achieva	96-98	FWD	75400(1)	75400(1)	104,104		N/A	81260	105
Achieva	92-95	FWD	75400(1)	75400(1)	104,104		N/A	81280 82120/ 85130	105 109/ 165
Alero	99-04	FWD	81250	OEMA	105		N/A	81260	105
Aurora	95-03	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	104 104,104 104		OEMA/ 85130	81280 82120/ 85130	105/ 165 109/ 165
Bravada	02-04	RWD/4WD	N/A	N/A			OEMA/ 83785	OEMA/ 83785	165,165
Bravada	91-01	4WD	N/A	N/A		■	OEMA 83710	OEMA 83710	112,112
Custom Cruiser	80-92	RWD	N/A	N/A			47700(*)	47700(*)	75,75
Cutlass	97-99	FWD	81250	OEMA	105		N/A	81260	105
Cutlass Inc. Supreme <i>94390 Pro Springs Available pg 126</i> <i>94006 replacement upper ball joint pg 121</i>	78-88	RWD	N/A	N/A			47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127
Cutlass Inc. Supreme <i>94006 replacement upper ball joint pg 121</i> <i>94017 extended upper ball joint pg 121</i>	73-77	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
Cutlass Inc. Supreme <i>Pro Springs Available pg 126</i> 94391 (64-67) - 94392 (66-72) 94001 upper ball joint pg 121	64-72	RWD	N/A	N/A			47700(*) 94320 94344(22)	47700(*) 94320	75,75 124,124 125
Cutlass Calais	85-91	FWD	75400(1)	75400(1)	104,104		N/A	81280 82120/ 85130	105 109/ 165
Cutlass Ciera	82-96	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104		N/A	82110/ 85130	109/ 165
Cutlass Supreme	88-97	FWD	81280 82120/ 85130	OEMA/ 83850	105/ 165 109/ 165		N/A	N/A	
Firenza	82-89	FWD	75400(1)	75400(1)	104,104		N/A	81280 82120/ 85130	105 109/ 165
Intrigue	97-02	FWD	81260	OEMA/ 83850	105/ 165		N/A	81260	105
LSS	98-99	FWD	81280 82120/ 85130	OEMA	105 109/ 165		OEMA	81280 82120/ 85130	105 109/ 165
Omega	80-84	FWD	75400(1)	75400(1)	104,104		N/A	82110/ 85130	109/ 165
Omega <i>94006 replacement upper ball joint pg 121</i> <i>94017 extended upper ball joint pg 121</i>	75-79	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
Regency	97-99	FWD	81280 82120/ 85130	OEMA	105 109/ 165		OEMA	81280 82120/ 85130	105 109/ 165
Silhouette	02-04	AWD	OEMA	OEMA			N/A	81260	105
Silhouette	97-04	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104		N/A	81260	105
Silhouette	90-96	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104		N/A	82110/ 85130	109/ 165

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OLDSMOBILE-cont.			R E A R			Thrust Plate	F R O N T		
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	Page
Toronado	86-92	FWD	75600(1) 75800(1)	OEMA/83775 75600(1) 75800(1)	104/164 104,104 104	OEMA	OEMA 81280 82120/85130	105 109/165	
Toronado	78-85	FWD	75600(1) 75800(1)	OEMA/83775 75600(1) 75800(1)	104/164 104,104 104	OEMA	OEMA		
PETERBILT									
See our Heavy Duty			Section	pages 131-141					
PLYMOUTH									
All Passenger B & E Bodies <i>94009 replacement upper ball joint</i>	62-64 <i>pg 121</i>	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	127,127	
All Passenger Car Models Except B & E	60-73	RWD	N/A	N/A		OEMA 83160	OEMA 83160	111,111	
Acclaim	89-94	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Barracuda <i>94009 replacement upper ball joint</i>	70-74 <i>pg 121</i>	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	127,127	
Belvedere <i>94009 replacement upper ball joint</i>	65-70 <i>pg 121</i>	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	127,127	
Breeze	96-00	FWD	OEMA	OEMA		N/A	67180/40920	79/157	
Caravelle	84-88	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Colt Vista	92-94	FWD	N/A	OEMA		N/A	81250	105	
Colt Vista	85-94	4WD	N/A	OEMA		OEMA	81250	105	
Colt Vista	84-91	FWD	N/A	N/A		N/A	81250	105	
Conquest	84-86	RWD	N/A	N/A		N/A	N/A		
Duster <i>94009 replacement upper ball joint</i>	73-76 <i>pg 121</i>	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	127,127	
Gran Fury	65-89	RWD	N/A	N/A		OEMA	OEMA		
GTX <i>94009 replacement upper ball joint</i>	67-71 <i>pg 121</i>	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	127,127	
Horizon	78-90	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Laser	92-94	AWD	OEMA	OEMA		N/A	81250	105	
Laser	89-94	FWD	N/A	N/A		N/A	81250	105	
Neon	94-01	FWD	67210 81250	OEMA 67210	80 105,80	N/A	81260	105	
Prowler	97-02	RWD	N/A	N/A		OEMA	OEMA		
Reliant	81-89	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Roadrunner <i>94009 replacement upper ball joint</i>	68-72 <i>pg 121</i>	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	127,127	
Sapporo	80-83	RWD	N/A	N/A		N/A	N/A		
Satellite <i>94009 replacement upper ball joint</i>	65-72 <i>pg 121</i>	RWD	N/A	N/A		OEMA 94450, 94451	OEMA 94450, 94451	127,127	
Scamp	82-85	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Sundance	87-94	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	
Trailduster	74-81	RWD	N/A	N/A		OEMA 83160	OEMA 83160	111,111	
Trailduster	74-81	4WD	N/A	N/A		23000(*)/4169	23000(*)/4169	64/155	
Turismo	79-87	FWD	75200(1)	75200(1)	104,104	N/A	OEMA 83170/85130	111/165	

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PLYMOUTH-cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Valiant <i>94009 replacement upper ball joint</i>	73-76	RWD <i>pg 121</i>	N/A	N/A			OEMA 94450, 94451	OEMA 94450, 94451	127,127
Voyager	96-01	AWD	N/A	N/A			N/A	OEMA 83170/ 85130	111/ 165
Voyager	96-01	FWD	71700(*)	71700(*)	92,92		N/A	OEMA 81260 83170/ 85130	105 111/ 165
Voyager	90-95	AWD	N/A	N/A			N/A	OEMA 83170/ 85130	111/ 165
Voyager	84-95	FWD	75400(1)	75400(1)	104,104		N/A	OEMA 83170/ 85130	111/ 165

PONTIAC

6000	82-91	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104		N/A	82110/ 85130	109/ 165
Aztek	01-06	AWD	OEMA	OEMA			N/A	81260	105
Aztek	01-06	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104		N/A	81260	105
Bonneville	00-05	FWD	75600(1) 75800(1)	OEMA 75600(1) 75800(1)	104 104,104 104		N/A	81280 82120/ 85130	105 109/ 165
Bonneville	87-99	FWD	81280 82120/ 85130	OEMA	105 109/ 165		OEMA/ 85130	81280 82120/ 85130	165 /105 109/ 165
Bonneville <i>94390 Pro Springs Available pg 126</i> <i>94006 replacement upper ball joint</i>	82-86 <i>pg 121</i>	RWD	N/A	N/A			47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 124
Bonneville	77-81	RWD	N/A	N/A			47700(*) 94378(22)	47700(*)	75,75 126
Bonneville <i>94006 replacement upper ball joint</i> <i>94017 extended upper ball joint</i>	71-76 <i>pg 121</i> <i>121</i>	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
Catalina	65-81	RWD	N/A	N/A			47700(*)	47700(*)	75,75
Fiero	84-88	RWD	82110/ 85130	OEMA	109/ 165		OEMA	OEMA	
Firebird	93-02	RWD	N/A	N/A			OEMA/ 83775	OEMA/ 83775	164,164
Firebird 'F'-Body	82-92	RWD	N/A	N/A			OEMA	OEMA/ 8292 81280 82120/ 85130	155 105 109/ 165
Firebird 'F'-Body <i>94394 Pro Springs Available pg 126</i> <i>94006 replacement upper ball joint</i>	70-81 <i>pg 121</i>	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
Firebird 'F'-Body <i>94393 Pro Springs Available pg 126</i> <i>94001 replacement upper ball joint</i>	67-69 <i>pg 121</i>	RWD	N/A	N/A			47700(*) 94305 94374(22)	47700(*) 94305	75,75 124,124 126
Firefly	85-91	FWD	N/A	N/A			N/A	81250	105
Grand Am	99-05	FWD	81250	OEMA	105		N/A	81260	105
Grand Am	96-98	FWD	75400(1)	75400(1)	104,104		N/A	81260	105
Grand Am	88-95	FWD	75400(1)	75400(1)	104,104		N/A	81280 82120/ 85130	105 109/ 165
Grand Am <i>94390 Pro Springs Available pg 126</i> <i>94006 replacement upper ball joint</i>	78-80 <i>pg 121</i>	RWD	N/A	N/A			47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127
Grand Am <i>94006 replacement upper ball joint</i> <i>94017 extended upper ball joint</i>	73-75 <i>pg 121</i> <i>121</i>	RWD	N/A	N/A			47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126
Grand Prix	97-08	FWD	81260	OEMA	105		N/A	81260	105
Grand Prix	95-96	FWD	81280 82120/ 85130	OEMA/ 83850	105/ 165 109/ 165		N/A	N/A/ 85130	165
Grand Prix	88-94	FWD	81280	OEMA	105		N/A	N/A/ 85130	165
Grand Prix <i>94390 Pro Springs Available pg 126</i> <i>94006 replacement upper ball joint</i>	78-87 <i>pg 121</i>	RWD	N/A	N/A			47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

PONTIAC-cont.			R E A R			Thrust Plate	F R O N T		Page
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	
Grand Prix <i>94006 replacement upper ball joint pg 121</i> <i>94017 extended upper ball joint pg 121</i>	73-77	RWD	N/A	N/A		47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126	
Grand Prix GTO	65-72 04-06	RWD	N/A	N/A OEMA		47700(*) OEMA	47700(*) OEMA 81260	75,75 105	
GTO <i>Pro Springs Available pg 126</i> <i>94391 (64-67) - 94392 (66-72)</i> <i>94001 upper ball joint pg 121</i>	64-72	RWD	N/A	N/A		47700(*) 94320 94344(22)	47700(*) 94320	75,75 124,124 125	
G3 Wave	05-10	FWD	75200(15)	75200(15)	104,104	N/A	81250	105	
G5	07-09	FWD	75400(1)	75400(1)	104,104	N/A	81250	105	
G6	05-10	FWD	OEMA 75400(17) 82100	OEMA 75400(17) 82100	104,104 108,108	N/A	81250	105	
G8	08-09	RWD	OEMA 87430	OEMA 87430	118,118	OEMA	81260	105	
LeMans	88-94	FWD	N/A	N/A		N/A	N/A		
LeMans <i>94390 Pro Springs Available pg 126</i> <i>94006 replacement upper ball joint pg 121</i>	78-81	RWD	N/A	N/A		47700(*) 94330, 94331 94332(8) 95336(22)	47700(*) 94330, 94331 94332(8)	75,75 124,124 124,124 127	
LeMans <i>94006 replacement upper ball joint pg 121</i> <i>94017 extended upper ball joint pg 121</i>	73-77	RWD	N/A	N/A		47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126	
LeMans <i>Pro Springs Available pg 126</i> <i>94391 (64-67) - 94392 (66-72)</i> <i>94001 upper ball joint pg 121</i>	64-72	RWD	N/A	N/A		47700(*) 94320 94344(22)	47700(*) 94320	75,75 124,124 125	
Montana SV6	02-07	AWD	OEMA	OEMA		N/A	81260	105	
Montana	97-07	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104	N/A	81260	105	
Phoenix	80-84	FWD	75400(1)	75400(1)	104,104	N/A	82110/85130	109/165	
Safari SW	80-89	RWD	N/A	N/A		47700(*)	47700(*)	75,75	
Solstice	06-10	RWD	OEMA 82070	OEMA 82070	108,108	OEMA 82070	OEMA 82070	108,108	
Sunbird	82-94	FWD	75400(1)	75400(1)	104,104	N/A	81280 82120/85130	105 109/165	
Sunfire	95-06	FWD	75400(1)	75400(1)	104,104	N/A	81260	105	
Tempest	95-06	FWD	75400(1)	75400(1)	104,104	N/A	81260	105	
Tempest <i>Pro Springs Available pg 126</i> <i>94931 (64-67) - 94692 (66-72)</i> <i>94001 upper ball joint pg 121</i>	64-70	RWD	N/A	N/A		47700(*) 94320 94344(22)	47700(*) 94320	75,75 124,124 125	
Torrent	06-09	FWD/AWD	OEMA 87420	OEMA 87420	118,118	N/A	81260	105	
Trans Am 'F'-Body	93-02	RWD	N/A	N/A		OEMA/83775	OEMA/83775	164,164	
Trans Am 'F'-Body	82-92	RWD	N/A	N/A		OEMA	OEMA/8292 81280 82120/85130	155 105 109/165	
Trans Am 'F'-Body <i>94006 replacement upper ball joint pg 121</i> <i>94017 extended upper ball joint pg 121</i>	70-81	RWD	N/A	N/A		47700(*) 94340 94378(22)	47700(*) 94340	75,75 124,124 126	
Trans Am 'F'-Body	69-69	RWD	N/A	N/A		47700(*) 94305 94374(22)	47700(*) 94305	75,75 124,124 126	

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

PONTIAC-cont.

REAR

FRONT

Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page	Thrust Plate	CASTER/TOOL	CAMBER/TOOL	Page
Trans Sport	97-99	FWD	75600(1)	75600(1)	104,104		N/A	81260	105
Trans Sport	90-96	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104		N/A	82110/85130	109/165
T1000	81-87	RWD	N/A	N/A			OEMA	OEMA	
Vibe	03-10	AWD	OEMA	OEMA			N/A	81290	105
Vibe	03-10	FWD	75610(1)	75610(1)	104,104		N/A	81290	105
<i>Vehicles with rear disc brakes may also need part no. 75970 pg 104</i>									

PORSCHE

Boxster (718)	17-17	RWD	OEMA	OEMA			N/A	OEMA	
Boxster (987/981)	05-16	RWD	OEMA 72610	OEMA	102		N/A	OEMA	
Boxster (986)	97-04	RWD	OEMA 72610	OEMA	102		N/A	OEMA 72610	102
Cayenne	04-17	AWD	OEMA	OEMA			OEMA	OEMA	
Cayman (718)	17-17	RWD	OEMA	OEMA			N/A	OEMA	
Cayman (987/981)	06-16	RWD	OEMA 72610	OEMA	102		N/A	OEMA	
Macan	15-17	AWD	OEMA	OEMA			N/A	OEMA	
Panamera	10-17	RWD/AWD	OEMA	OEMA			N/A	OEMA	
911 (991)	12-17	RWD/AWD	OEMA	OEMA			N/A	OEMA	
911 Except GT2/GT3 (997)	06-11	RWD/AWD	OEMA 72610	OEMA	102		N/A	OEMA	
911 GT2/GT3 (997)	06-11	RWD/AWD	OEMA	OEMA			N/A	OEMA	
911 (996)	99-05	RWD/AWD	OEMA 72610	OEMA	102		N/A	OEMA 72610	102
911	80-98	RWD/AWD	OEMA	OEMA			N/A	OEMA	
924	77-88	RWD	OEMA	OEMA			OEMA	81250	105
928	80-96	RWD	OEMA	OEMA			OEMA	OEMA	
944	82-91	RWD	OEMA	OEMA			OEMA	OEMA 81250	105
968	92-95	RWD	OEMA	OEMA			OEMA	OEMA	

RAM

1500	11-17	RWD/4WD	N/A	N/A			OEMA 82420 23940	OEMA 82420 23940	111,111 69,69
2500 <i>23610, 23615, Tie Rod Adj. Sleeves pg 67</i>	14-16	RWD	N/A	N/A			OEMA	OEMA	
2500 <i>23610, 23615, Tie Rod Adj. Sleeves pg 67</i>	14-16	4WD	N/A	N/A			23800(*) /72509, 23780 82387(16)	23800(*) /72509, 23780	68,68 161,155 110
2500	11-13	RWD	N/A	N/A		■	OEMA	OEMA	
2500	11-13	4WD	N/A	N/A		■	23800(*) /72509, 23780 82387(16)	23800(*) /72509, 23780	68,68 161,155 110
3500 w/ mono beam axle <i>23610, 23615, Tie Rod Adj. Sleeves pg 67</i>	13-16	RWD	N/A	N/A		■	23800(*) /72509, 23780 82387(16)	23800(*) /72509, 23780	68,68 161,155 110
3500 w/o mono beam axle <i>23610, 23615, Tie Rod Adj. Sleeves pg 67</i>	13-16	RWD	N/A	N/A		■	OEMA	OEMA	
3500 <i>23610, 23615, Tie Rod Adj. Sleeves pg 67</i>	13-16	4WD	N/A	N/A		■	23800(*) /72509, 23780 82387(16)	23800(*) /72509, 23780	68,68 161,155 110
3500 w/ mono beam axle	11-12	RWD	N/A	N/A		■	23800(*) /72509, 23780 82387(16)	23800(*) /72509, 23780	68,68 161,155 110
3500 w/o mono beam axle	11-12	RWD	N/A	N/A		■	OEMA	OEMA	

Applications

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

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
3500 w/ mono beam axle	11-12	4WD	N/A	N/A		■ 23800(*) /72509, 23780 82387(16)	23800(*) /72509, 23780	68,68 161,155 110	
4500 / 5500	11-16	RWD/4WD	N/A	N/A		■ N/A	23850(*)/88360	68/167	
C/V Tradesman	12-15	AWD	N/A	N/A		N/A	OEMA 81260 83170/85130	105 111/165	
C/V Tradesman	12-15	FWD	71700(*1)	71700(*1)	92,92	N/A	OEMA 81260 83170/85130	105 111/165	
Promaster	14-17	FWD	N/A	N/A		N/A	N/A		
Promaster City	15-17	FWD	N/A	N/A		N/A	N/A		
SAAB									
9-2X	05-07	AWD	67640 81260	OEMA 67640	87 105,87	N/A	81260	105	
9-3	08-12	FWD/AWD	OEMA 82100	OEMA 82100	108,108	N/A	81250	105	
9-3	03-09	FWD	OEMA 82100	OEMA 82100	108,108	N/A	81250	105	
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		
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	105	
9-5 w/o Auto Leveling Headlights	00-09	FWD	67270	OEMA	80	N/A	81250	105	
9-7X	05-09	AWD	N/A	N/A		N/A/83785	OEMA/83785	165,165	
900	94-99	FWD	N/A	N/A		N/A	N/A		
900	80-93	FWD	N/A	N/A		47700(*)	47700(*)	75,75	
9000	86-98	FWD	N/A	N/A		N/A	81250	105	
99	80-80	FWD	N/A	N/A		47700(*)	47700(*)	75,75	
SATURN									
Astra	08-09	FWD	N/A	N/A		N/A	81250	105	
Aura	07-09	FWD	OEMA 75400(17) 82100	OEMA 75400(17) 82100	104,104 108,108	N/A	81250	105	
Ion	03-07	FWD	75400(1)	75400(1)	104,104	N/A	81250	105	
L-Series	00-05	FWD	67270	OEMA	80	N/A	81250	105	
Outlook	07-10	FWD/AWD	OEMA	OEMA		N/A	81280	105	
Relay	05-08	AWD	OEMA	OEMA		N/A	81260	105	
Relay	05-08	FWD	75600(1) 75800(1)	75600(1) 75800(1)	104,104 104,104	N/A	81260	105	
S-Series	91-02	FWD	81260	OEMA 85600	105 113	OEMA	81260	105	
Sky	07-10	RWD	OEMA 82070	OEMA 82070	108,108	OEMA 82070	OEMA 82070	108,108	
Vue	06-09	FWD/AWD	OEMA 87420	OEMA 87420	118,118	N/A	81260	105	
Vue	02-05	FWD/AWD	OEMA	OEMA		N/A	81260	105	

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

SCION			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
iA	16-16	FWD	N/A	N/A		N/A	81250	105	
iM	16-16	FWD	67487	OEMA 67800	85 89	N/A	81290	105	
iQ	11-15	FWD	75600(1)	75600(1)	104,104	N/A	81270	105	
tC	11-16	FWD	67487 75600(1)	OEMA 67800 75600(1)	85 104,89 104	N/A	81290	105	
tC	05-10	FWD	OEMA 67485	OEMA	84	N/A	81290	105	
xA	04-07	FWD	75600(1)	75600(1)	104,104	N/A	81260	105	
xB	08-15	FWD	75600(1)	75600(1)	104,104	N/A	81290	105	
xB	04-07	FWD	75600(1)	75600(1)	104,104	N/A	81260	105	
xD	08-14	FWD	75600(1)	75600(1)	104,104	N/A	81270	105	
FR-S	13-16	RWD	67660/ 67647, 72509	OEMA 67655	88 160,161/88	N/A	81305	106	
SMART									
Fortwo Electric Drive	16-16	RWD	N/A	N/A		N/A	N/A		
Fortwo Gas Engine	16-17	RWD	N/A	N/A		N/A	81260	105	
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	68/167	
Bullet 55	08-10	RWD/4WD	N/A	N/A		N/A	23850(*)/88360	68/167	
SUBARU									
Baja	03-06	AWD	67665	OEMA 67667	88 88	N/A	OEMA 81305	106	
BRZ	13-17	RWD	67660/ 67647, 72509	OEMA 67655	88 160,161/88	N/A	OEMA 81305	106	
Crosstrek	16-17	AWD	67660	OEMA 67655	88 160,161/88	N/A	OEMA 81305	106	
Forester	09-17	AWD	67660/ 67647, 72509	OEMA 67655	88 160,161/88	N/A	OEMA 81305	106	
Forester	98-08	AWD	81260	OEMA	105	N/A	OEMA 81305	106	
Impreza	08-16	AWD	67660/ 67647, 72509	OEMA 67655	88 160,161/88	N/A	OEMA 81305	106	
Impreza	93-07	AWD	67640 81260	OEMA 67640	87 105,87	N/A	OEMA 81305	106	
Justy	87-94	FWD/AWD	N/A	OEMA		N/A	N/A		
Legacy	10-17	AWD	67660	OEMA 67655	88 88	N/A	OEMA 81305	106	
Legacy	00-09	AWD	67665	OEMA 67667	88 88	N/A	OEMA 81305	106	
Legacy	90-99	AWD	67640 81260	OEMA 67640	87 105,87	N/A	OEMA 81305	106	
Outback	10-17	AWD	67660	OEMA 67655	88 88	N/A	OEMA 81305	106	
Outback	00-09	AWD	67665	OEMA 67667	88 88	N/A	OEMA 81305	106	
Outback	90-99	AWD	67640 81260	OEMA 67640	87 105,87	N/A	OEMA 81305	106	
SVX	92-97	FWD/AWD	67640 81260	OEMA	87 105	N/A	OEMA 81305	106	
Tribeca	11-15	AWD	N/A	OEMA		N/A	OEMA 81305	106	
Tribeca	06-10	AWD	N/A	OEMA 67667	88	N/A	OEMA 81305	106	

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SUBARU-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
WRX Incl. STi	08-17	AWD	67660/ 67647, 72509	OEMA 67655	88 160,161/88		N/A	OEMA 81305	106
WRX Incl. STi	02-07	AWD	67640 81260	OEMA 67640	87 105		N/A	OEMA 81305	106
XV Crosstrek	12-15	AWD	67660	OEMA 67655	88 88		N/A	OEMA 81305	106
SUZUKI									
Aerio Incl. SX	03-07	FWD/AWD	81250	OEMA	105		N/A	81250	105
Equator	09-12	RWD/4WD	N/A	N/A		■	25540 87520	25540 87520	72,72 119,119
Esteem	95-02	FWD/AWD	81250	OEMA	105		OEMA	81250	105
Forenza Incl. Wgn	04-08	FWD	81250	OEMA	105		N/A	81250	105
Forsa	85-88	FWD	N/A	N/A			N/A	81250	105
Grand Vitara	99-12	FWD/AWD	N/A	N/A			N/A	81250	105
Kizashi	10-12	FWD/AWD	OEMA	OEMA			N/A	81260	105
Reno	05-09	FWD	81250	OEMA	105		N/A	81250	105
Samurai	86-96	RWD	N/A	N/A			N/A	N/A	
Samurai	86-96	4WD	N/A	N/A			88905	88905	119,119
Sidekick	89-98	RWD/4WD	N/A	N/A			N/A	81250	105
Swift	89-01	FWD	N/A	OEMA			OEMA	81250	105
SX4	07-12	FWD/AWD	N/A	N/A			N/A	81250	105
Verona	04-08	FWD	N/A	OEMA			OEMA	81250	105
Vitara	99-04	FWD/AWD	N/A	N/A			N/A	81250	105
X-90	97-01	RWD/4WD	N/A	N/A			N/A	81250	105
XL-7	07-11	FWD/AWD	OEMA 87420	OEMA 87420	118,118		N/A	81260	105
XL-7	01-06	RWD/4WD	N/A	N/A			N/A	81250	105
TESLA									
Model S	12-17	RWD	N/A	OEMA			OEMA	OEMA	
Model X	16-17	AWD	N/A	OEMA			OEMA	OEMA	
TOYOTA									
4Runner	10-17	RWD/4WD	N/A	N/A			OEMA 25440/ 40915 25480	OEMA 25440/ 40915 25480	71/ 157 71,71
4Runner	03-09	RWD/4WD	N/A	N/A			OEMA 25435/ 40915 25480	OEMA 25435/ 40915 25480	71/ 157 71,71
4Runner	96-02	RWD/4WD	N/A	N/A			OEMA 25430/ 40915 25460	OEMA 25430/ 40915 25460	71/ 157 71,71
4Runner	90-95	RWD	N/A	N/A			47700(*)	47700(*)	75,75
4Runner	90-95	4WD	N/A	N/A			OEMA 25425	OEMA 25425	71,71
4Runner	86-89	4WD	N/A	N/A		■	OEMA 25425	OEMA 25425	71,71
4Runner	84-85	4WD	N/A	N/A		■	OEMA 88901(*)	OEMA 88901(*)	119,119
4Runner	84-89	RWD	N/A	N/A		■	47700(*)	47700(*)	75,75
86	17-17	RWD	67660/ 72509, 67647	OEMA 67655	88 160,161/88		N/A	81305	106
Avalon	13-17	FWD	81290	N/A	105		N/A	81290	105
Avalon	95-12	FWD	81270	OEMA	105		N/A	81290 82120/ 85130	105 109/ 165

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 page for size **All products from Specialty Products Company are intended for use by professional installers only.**

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

TOYOTA-cont.

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
Camry Inc. Hybrid	12-17	FWD	81290	OEMA	105		N/A	81290	105
Camry Inc. Hybrid	92-11	FWD	81270	OEMA	105		N/A	81290 82120/ 85130	105 109/ 165
Camry	88-91	FWD/AWD	81270	OEMA	105		85690, 85695	81290 82120/ 85130	113,105 109/ 165
Camry Wagon	88-96	FWD/AWD	81270	OEMA	105		85690, 85695	81290 82120/ 85130	113,105 109/ 165
Camry	83-87	FWD/AWD	81270	OEMA	105		OEMA 85690, 85695	OEMA 81290 82120/ 85130	113,105 109/ 165
Carina	72-73	RWD	N/A	N/A			N/A	N/A	
Celica	00-05	FWD	OEMA 67440	OEMA	83		N/A	81270	105
Celica All-Trac	89-92	AWD	N/A	N/A			N/A	81270	105
Celica	86-99	FWD	81270	OEMA	105		N/A	81270	105
Celica Inc Supra	71-85	RWD	N/A	N/A			N/A	N/A	
Corolla iM	17-17	FWD	67487	67800	85		N/A	81290	105
Corolla	09-17	FWD	75600(1)	75600(1)	104,104		N/A	81290	105
Corolla <i>Vehicles with rear disc brakes may also need part no. 75970 pg 104</i>	03-08	FWD	75610(1)	75610(1)	104,104		N/A	81270	105
Corolla All-Trac	89-92	AWD	N/A	N/A			N/A	81270	105
Corolla	88-02	FWD	81250	OEMA	105		N/A	81270	105
Corolla	84-87	FWD	81250	OEMA	105		N/A	81250	105
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	113,113
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)	104,104		N/A	81260	105
FJ Cruiser	10-14	RWD/4WD	N/A	N/A			OEMA 25440/ 40915 25480	OEMA 25440/ 40915 25480	71/ 157 71,71
FJ Cruiser	07-09	RWD/4WD	N/A	N/A			OEMA 25435/ 40915 25480	OEMA 25435/ 40915 25480	71/ 157 71,71
Highlander	14-17	FWD/AWD	N/A	OEMA			N/A	81290	105
Highlander	08-13	FWD/AWD	81290	OEMA	105		N/A	81290	105
Highlander	01-07	FWD/AWD	81270	OEMA	105		N/A	81290	105
Land Cruiser 200 Series	08-17	4WD	N/A	N/A			OEMA 25450/ 40915 25465	OEMA 25450/ 40915 25465	71/ 157 71,71
Land Cruiser 100 Series	98-07	4WD	N/A	N/A			OEMA 25455	OEMA 25455	71,71
Land Cruiser 80 Series	91-97	4WD	N/A	N/A		■	88915 88920	88915 88920	120,120 120,120
Land Cruiser 40, 60, 70 Series	65-90	4WD	N/A	N/A		■	88901(*)	88901(*)	119,119
Matrix	03-13	AWD	OEMA	OEMA			N/A	81290	105
Matrix <i>Vehicles with rear disc brakes may also need part no. 75970 pg 104</i>	03-13	FWD	75610(1)	75610(1)	104,104		N/A	81290	105
MR2	91-97	RWD	81270	OEMA	105		OEMA	81270	105
MR2	85-90	RWD	OEMA 81250	OEMA	105		OEMA	OEMA 81250	105
MR2 Spyder	00-05	RWD	81270	OEMA	105		OEMA	81260	105
Paseo	92-97	FWD	N/A	N/A			N/A	81270	105
Pickup	86-94	4WD	N/A	N/A		■	OEMA 25425/ 40915	OEMA 25425/ 40915	71/ 157

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

TOYOTA-cont.			R E A R			Thrust Plate	F R O N T		Page
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	
Pickup	79-85	4WD	N/A	N/A		■ OEMA 88901(*)	OEMA 88901(*)	119,119	
Pickup	74-94	RWD	N/A	N/A		■ 47700(*)	47700(*)	75,75	
Previa	90-97	RWD/AWD	N/A	N/A		N/A	81290 82120/ 85130	105 109/ 165	
Prius Incl. Prime	16-17	FWD	N/A	OEMA		N/A	81290	105	
Prius C	12-17	FWD	N/A	N/A		N/A	81270	105	
Prius V	12-17	FWD	N/A	N/A		N/A	81290	105	
Prius	10-15	FWD	75600(1)	75600(1)	104,104	N/A	81290	105	
Prius	01-09	FWD	75600(1)	75600(1)	104,104	N/A	81270	105	
RAV4	11-17	FWD/AWD	67810 67811	OEMA	90 90	N/A	81290	105	
RAV4	06-10	FWD/AWD	67810 67811	67805	90 90	N/A	81290	105	
RAV4	01-05	FWD/AWD	OEMA 25380	OEMA 25380	69,69	N/A	81270	105	
RAV4	96-00	FWD/AWD	OEMA	OEMA		N/A	81270	105	
Sequoia	08-17	RWD/4WD	OEMA	OEMA		OEMA 25450/ 40915 25490	OEMA 25450/ 40915 25490	71/ 157 71,71	
Sequoia	01-07	RWD/4WD	N/A	N/A		OEMA 25445/ 40915 25485	OEMA 25445/ 40915 25485	71/ 157 71,71	
Sienna	11-16	FWD/AWD	71600(*)	71600(*)	92,92	N/A	81290	105	
Sienna	04-10	AWD	N/A	N/A		N/A	81290 82120/ 85130	105 109/ 165	
Sienna	98-10	FWD	71000(*)	71000(*)	91,91	N/A	81290 82120/ 85130	105 109/ 165	
Solara	92-09	FWD	81270	OEMA	105	N/A	81290 82120/ 85130	105 109/ 165	
Starlet	81-84	RWD	N/A	N/A		85690, 85695	N/A	113,113	
Supra Mark 4	92-02	RWD	OEMA	OEMA		OEMA	OEMA		
Supra Mark 3	86-91	RWD	OEMA	OEMA		OEMA	OEMA		
Supra Celica Mark 2	82-85	RWD	N/A	OEMA		OEMA	N/A		
Supra Celica Mark 1	78-81	RWD	N/A	N/A		OEMA	N/A		
Tacoma Prerunner	16-17	RWD	N/A	N/A		■ OEMA 25440/ 40915 25470	OEMA 25440/ 40915 25470	71/ 157 71,71	
Tacoma	16-17	4WD	N/A	N/A		■ OEMA 25440/ 40915 25470	OEMA 25440/ 40915 25470	71/ 157 71,71	
Tacoma Prerunner	05-15	RWD	N/A	N/A		■ OEMA 25435/ 40915 25470	OEMA 25435/ 40915 25470	71/ 157 71,71	
Tacoma	05-15	4WD	N/A	N/A		■ OEMA 25435/ 40915 25470	OEMA 25435/ 40915 25470	71/ 157 71,71	
Tacoma Prerunner	98-04	RWD	N/A	N/A		■ OEMA 25430/ 40915 25460	OEMA 25430/ 40915 25460	71/ 157 71,71	
Tacoma	96-04	4WD	N/A	N/A		■ OEMA 25430/ 40915 25460	OEMA 25430/ 40915 25460	71/ 157 71,71	
Tacoma	95-95	4WD	N/A	N/A		■ OEMA 25425/ 40915 25460	OEMA 25425/ 40915 25460	71/ 157 71,71	
Tacoma	95-17	RWD	N/A	N/A		■ OEMA	OEMA		

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 page for size **All products from Specialty Products Company are intended for use by professional installers only.**

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

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

TOYOTA-cont.

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
Tercel	87-99	FWD	N/A	N/A			N/A	OEMA 81270	105
Tercel	83-86	FWD	N/A	N/A			85690, 85695	OEMA 81270	113,113 105
Tercel	83-86	4WD	81250	OEMA	105		85690, 85695	OEMA 81270	113,113 105
Tercel Wagon	83-88	FWD	N/A	OEMA			OEMA	OEMA 81270	105
Tercel Wagon	83-88	4WD	81250	OEMA	105		85690, 85695	OEMA 81270	113,113 105
Tundra	07-17	RWD/4WD	N/A	N/A		■	OEMA 25450/ 40915 25490	OEMA 25450/ 40915 25490	71/ 157 71,71
Tundra	99-06	RWD/4WD	N/A	N/A		■	OEMA 25445/ 40915 25485	OEMA 25445/ 40915 25485	71/ 157 71,71
T100	93-98	RWD	N/A	N/A		■	47700(*)	47700(*)	75,75
T100	93-98	4WD	N/A	N/A		■	OEMA 25425/ 40915	OEMA 25425/ 40915	71/ 157
Van	86-89	RWD/AWD	N/A	N/A			OEMA	OEMA	
Venza	09-15	FWD/AWD	81290	OEMA	105		N/A	81290	105
Yaris iA	17-17	FWD	N/A	N/A			N/A	81250	105
Yaris	12-17	FWD	N/A	N/A			N/A	81270	105
Yaris	07-11	FWD	75600(1)	75600(1)	104,104		N/A	81270	105

VOLKSWAGEN

Beetle w/ Beam Type Rear Susp.	11-17	FWD	N/A	N/A			N/A	N/A	
Beetle w/ Multi-Link Rear Susp.	11-17	FWD	OEMA 81335	OEMA	106		N/A	N/A	
Beetle	98-10	FWD	71500(*)/ 87530	71500(*)/ 87530	92/ 166		81340	81340	107,107
Cabrio	95-02	FWD	75200(1)+10408	75200(1)+10408	104,63		N/A	81250	105
Cabrioleto	85-94	FWD	75200(1)+10408	75200(1)+10408	104,63		N/A	81250	105
Corrado	90-94	FWD	75200(1)+10408	75200(1)+10408	104,63		N/A	81250	105
CC	09-16	FWD/AWD	OEMA 81335	OEMA	106		N/A	N/A	
Dasher	73-81	FWD	75200(1)+10408	75200(1)+10408	104,63		N/A	OEMA	
Eos	14-16	FWD	OEMA	OEMA			N/A	N/A	
Eos	07-13	FWD	OEMA 81335	OEMA	106		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	104,63		N/A	OEMA	
Golf (MK7)w/Beam Type Rear Susp.	15-17	FWD/AWD	N/A	N/A			N/A	N/A	
Golf (MK7)w/IRS-Multi-Link Rear Susp.	15-17	FWD/AWD	OEMA 81335	OEMA	106		N/A	N/A	
Golf	10-14	FWD	OEMA 81335	OEMA	106		N/A	N/A	
Golf R32 (A5)	08-08	AWD	OEMA 81335	OEMA	106		N/A	N/A	
Golf R32	04-04	AWD	N/A	N/A			81340	81340	107,107
Golf	99-06	FWD	71500(*)/ 87530	71500(*)/ 87530	92/ 166		81340	81340	107,107
Golf	84-98	FWD	75200(1)+10408	75200(1)+10408	104,63		N/A	81250	105
GLI (A6)	11-17	FWD	OEMA 81335	OEMA	106		N/A	N/A	
GLI (A5)	05-10	FWD	OEMA 81335	OEMA	106		N/A	N/A	
GTI	15-17	FWD	OEMA 81335	OEMA	106		N/A	N/A	
GTI	06-14	FWD	OEMA 81335	OEMA	106		N/A	N/A	
GTI	99-06	FWD	71500(*)/ 87530	71500(*)/ 87530	92/ 166		81340	81340	107,107

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CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

VOLKSWAGEN-cont.			R E A R			Thrust Plate	F R O N T		Page
Model/Body Style	Year	Drive Type	CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	
GTI	82-98	FWD	75200(1)+10408	75200(1)+10408	104,63	N/A	81250	105	
Jetta (A6) w/Beam Type Rear Axle	11-13	FWD	N/A	N/A		N/A	N/A		
Jetta (A6) w/Multi-Link Rear Susp.	11-17	FWD	OEMA 81335	OEMA	106	N/A	N/A		
Jetta (A5) w/Multi-Link Rear Susp.	05-10	FWD	OEMA 81335	OEMA	106	N/A	N/A		
Jetta (A4) w/Beam Type Rear Axle	99-05	FWD	71500(*1)/87530	71500(*1)/87530	92/166	81340	81340	107,107	
Jetta	80-98	FWD	75200(1)+10408	75200(1)+10408	104,63	N/A	81250	105	
Passat (B7/B8)	11-17	FWD	OEMA 81335	OEMA	106	N/A	N/A		
Passat (B6)	06-10	FWD/AWD	OEMA 81335	OEMA	106	N/A	N/A		
Passat w/Multi-Link Rear Susp.	98-05	AWD	OEMA	OEMA		81353 81358	81353 81358	107,107 107,107	
Passat w/Beam Type Rear Axle	98-05	FWD	75600(1)+10408 75800(1)+10408	75600(1)+10408 75800(1)+10408	104,63 104,63	81353 81358	81353 81358	107,107 107,107	
Passat	90-97	FWD	75200(1)+10408	75200(1)+10408	104,63	N/A	81250	105	
Phaeton	04-06	AWD	OEMA	OEMA		81373 81378	81373 81378	107,107 107,107	
Quantum	82-89	FWD	75200(1)	75200(1)	104,104	N/A	OEMA		
Rabbit	06-09	FWD	OEMA 81335	OEMA	106	N/A	N/A		
Rabbit	74-84	FWD	75200(1)	75200(1)	104,104	N/A	81250	105	
Routan	09-14	FWD	71700(*1)	71700(*1)	92,92	N/A	OEMA 81260 83170/85130	105 111/165	
Scirocco	74-91	FWD	75200(1)	75200(1)	104,104	N/A	OEMA		
Tiguan (A5)	09-17	AWD	OEMA 81335	OEMA	106	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	83 106	N/A	N/A		
C70	06-13	FWD	67420	OEMA	83	N/A	N/A		
C70	98-05	FWD	N/A	N/A		N/A	81250	105	
S40	04-12	FWD/AWD	67420 81310	OEMA	83 106	N/A	N/A		
S40	00-03	FWD	OEMA	OEMA		N/A	81250	105	
S60	11-17	FWD/AWD	N/A	OEMA		N/A	N/A		
S60	01-10	FWD/AWD	N/A	OEMA		N/A	81260	105	
S70	98-00	FWD/AWD	N/A	OEMA		N/A	81250	105	
S80	07-15	FWD/AWD	N/A	N/A		N/A	N/A		
S80	99-06	FWD/AWD	N/A	OEMA		N/A	81260	105	
S90	17-17	FWD/AWD	N/A	OEMA		N/A	N/A		
S90	97-98	RWD	N/A	OEMA		OEMA	81250	105	
V40	00-03	FWD	OEMA	OEMA		N/A	81250	105	
V50	04-11	FWD/AWD	67420 81310	OEMA	83 106	N/A	N/A		
V60	11-17	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	105	
V70	98-00	FWD/AWD	N/A	OEMA		N/A	81250	105	

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 page for size **All products from Specialty Products Company are intended for use by professional installers only.**

CAR/MINI-VAN/SUV/TRUCK APPLICATIONS

VOLVO-cont.

Model/Body Style	Year	Drive Type	REAR			Thrust Plate	FRONT		Page
			CAMBER/TOOL	TOE/TOOL	Page		CASTER/TOOL	CAMBER/TOOL	
V90	17-17	AWD/FW	N/A	OEMA			N/A	N/A	
V90	97-98	RWD	N/A	OEMA			OEMA	81250	105
XC60	09-17	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	105
XC90	16-17	FWD/AWD	N/A	OEMA			N/A	N/A	
XC90	03-15	FWD/AWD	N/A	OEMA			N/A	81260	105
240	80-91	RWD	N/A	N/A			N/A	OEMA	
740	85-93	RWD	N/A	N/A			OEMA	N/A	
760	83-94	RWD	OEMA	OEMA			OEMA	N/A	
850 GLT	93-97	FWD	N/A	OEMA			N/A	81250	105
940	85-95	RWD	N/A	N/A			OEMA	N/A	
960	95-97	RWD	OEMA	OEMA			N/A	81250	105

VOLVO & WHITE TRACTORS (OTR)

See our Heavy Duty	Section	pages 131-141							
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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
1981B	1993P	20066
1982C	1994R	20077
1983D	1995S	20088
1984E	1996T	20099
1985F	1997V	2010A
1986G	1998W	2011B
1987H	1999X	2012C
1988J	2000Y	2013D
1989K	20011	2014E
1990L	20022	2015F
1991M	20033	2016G
1992N	20044	2017H
	20055	2018J

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° 26.25'
.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.**

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)

86350 GM 1500 Front Arm Bushings - Offset control arm bushings get ±1.0° camber (1)

86375 GM Front Alignment Kit - For 2002 - Up C & K 1500, 2500 & 3500s, Express Vans. (1)

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 & Up 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 154 - 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 inc.**

75200, 75400, 75600 EZ Shims™ - Adjust Camber and Toe up to ±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.**



DATE _____ PHONE _____ YOUR P.O. NUMBER _____

Bill To: _____

Ship To: _____

CUSTOM INVENTORY CONTROL BOARD NO. 88120 - LAYOUT FORM.

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

Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Additional Part No. <i>(Truck Sleeves Only)</i> _____ Qty. _____ <i>(Up to three)</i>
Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Additional Part No. <i>(Truck Sleeves Only)</i> _____ Qty. _____ <i>(Up to three)</i>
Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Additional Part No. <i>(Truck Sleeves Only)</i> _____ Qty. _____ <i>(Up to three)</i>
Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Additional Part No. <i>(Truck Sleeves Only)</i> _____ Qty. _____ <i>(Up to three)</i>
Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Part No. _____ Qty. _____ <i>(Up to three)</i>	Additional Part No. <i>(Truck Sleeves Only)</i> _____ Qty. _____ <i>(Up to three)</i>
Additional Part No. <i>(Truck Sleeves Only)</i> _____ Qty. _____ <i>(Up to three)</i>	Additional Part No. <i>(Truck Sleeves Only)</i> _____ Qty. _____ <i>(Up to three)</i>	Additional Part No. <i>(Truck Sleeves Only)</i> _____ Qty. _____ <i>(Up to three)</i>	Additional Part No. <i>(Truck Sleeves Only)</i> _____ Qty. _____ <i>(Up to three)</i>	Additional Part No. <i>(Truck Sleeves Only)</i> _____ Qty. _____ <i>(Up to three)</i>

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

HOW TO USE THIS ORDER FORM:

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

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

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

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

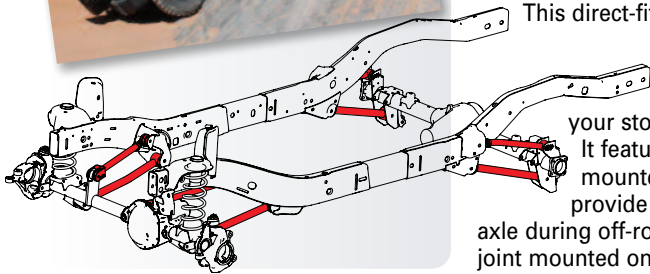
Rear Replacement Part

Installation time: .5 hr/side

Required: 2 per axle

APPLICATIONS

Jeep: 2007 - 2017 Wrangler (JK)



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

23510 Pin Joints - page 67

23605 Tie Rod Adjuster Sleeves
page 67

26012 & 26014 Camber Shims - page 72

82390 Rear Caster/Pinion Adj.
Bolts - page 110

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

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

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

Sleeve Installation Chart – Slot in sleeve shows direction top of wheel will move

LEFT/RIGHT WHEEL		LEFT/RIGHT WHEEL		LEFT/RIGHT WHEEL		LEFT/RIGHT WHEEL		FRONT OF VEHICLE	
1	2	3	4	5	6	7	8		

23000 SERIES



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.

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 $\pm 25^\circ$ to $\pm 1.50^\circ$

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
1966 - 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 $\pm 25^\circ$ to $\pm 2.75^\circ$

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 70**

77880 - Puller, pg 164
88830 - Puller, pg 167



SPC is the leader in alignment parts for off-road vehicles. We have it - from heavy duty adjustable front upper control arms (pages 71, 72, 116) to specialized cams and brackets for Ford Raptors (#86252 page 114).

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

**Adjustable Sleeve available,
Part No. 24130 - page 70**

4WD & RWD SLEEVES

Change camber, caster, or both at the same time with these sleeves. Simply remove the tire, cotter pin and upper ball joint stud nut and break the taper free between the stud and sleeve. Using a sleeve puller, remove the existing sleeve. *Install zero degree sleeve 23139 to determine the change needed, then install the correct sleeve.* To split camber and caster adjustment, rotate sleeve 45° .

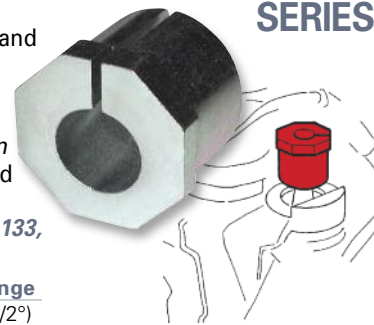
Set 23130 contains 1 each: 23131, 23132, 23133, 23134, 23135, 23136, 23137, 23138, 23139

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°)		



- 77880 - Sleeve Puller, pg 164
- 87175 - Sleeve Socket, pg 166
- 88830 - Sleeve Puller, pg 167

23130 SERIES



**Sleeve Installation Chart -
See page 64**

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 164
87175 - Socket, pg 166
88830 - Puller, pg 167**

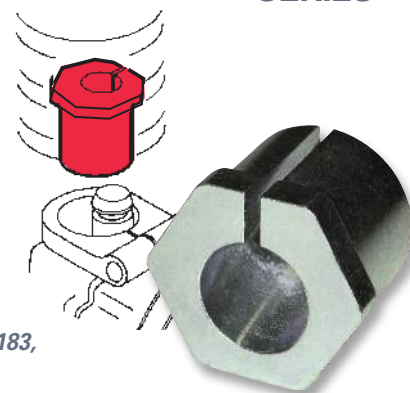
CAMBER/CASTER SLEEVES

These popular sleeves are widely used to adjust caster and/ or camber on many Ford and Mazda RWD & 4WD trucks. To install, simply loosen and remove upper ball joint pinch bolt. Remove top snap ring if one is present. Use 77880 or 88830 sleeve puller to remove the existing sleeve. To 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

23180 SERIES



Series Part No.	RWD Adjustments Total change	4WD Adjustments Total change	Series Part No.	RWD Adjustments Total change	4WD 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 70**

**Sleeve Installation Chart -
See page 64**



We have adjustable sleeves for most sleeve applications. Don't see the fixed change sleeve you need? Check out our adjustable sleeves on page 70. 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. The adjustable sleeves can adjust camber and caster in a large variety of combinations.

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

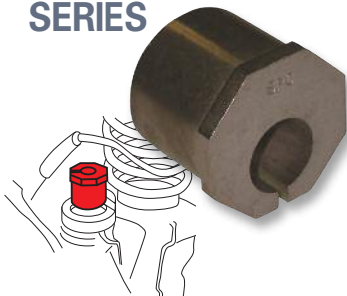
Tools

Accessories

Brake and CV

Gear/Index

23220 SERIES



Adjustable Sleeve available, Part No. 24220 - page 70

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 64

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 70

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 64

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



FAQ

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 161

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

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

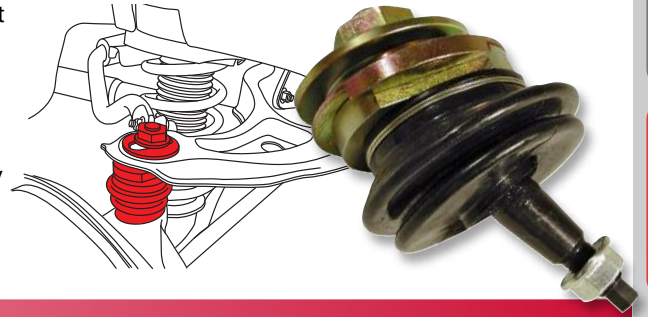
- Acura:** 2014 & Up MDX
Honda: 2016 & Up Pilot
2017 & Up Ridgeline



72509 - Ball joint press,
pg 161

ACURA AND HONDA REAR ADJ. BALL JOINT

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 $\pm 3^\circ$.



Applications

Alignment Parts

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 Grand Cherokee
- 1984 - 90 Wagoneer
- 1987 & Up Wrangler

DODGE/JEEP PIN JOINTS

Change caster and camber with this upper off-set 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.

Check out our JK
Suspension Arms on page 63



23580 - Ball joint press sleeves, pg 155
72509 - Ball joint press, pg 161

23510 - 23540



Heavy Duty

OE Replacement

Racing/Builders

Front Replacement Part

Installation time: .5 hr/side

Required: 1 per axle

APPLICATIONS

- Chrysler:** 1998 - 04 300M
1998 - 04 Concorde
1998 - 01 LHS
- Dodge:** 1998 - 04 Intrepid

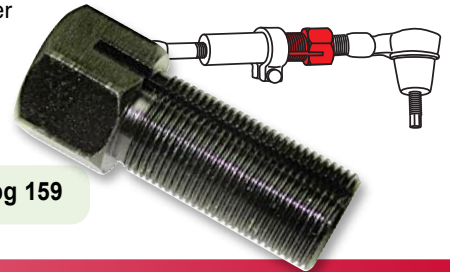
LH REPLACEMENT SLEEVE

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



55600, 55700 - LH Toe Tools, pg 159

23600



Tools

Accessories

Front Replacement Part

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

APPLICATIONS

23605

Jeep: 2007 & Up Wrangler (JK)

23610

Manufactured before 11/4/13

Ram:

- 2014 2500
- 2013 - 14 3500

23615

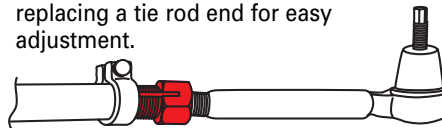
Manufactured after 11/4/13

Ram:

- 2014 & Up 2500
- 2013 & Up 3500

TIE ROD ADJUSTER SLEEVES

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.



Check out our JK Suspension
Arms on page 63

23605 23610 23615



Brake and CV

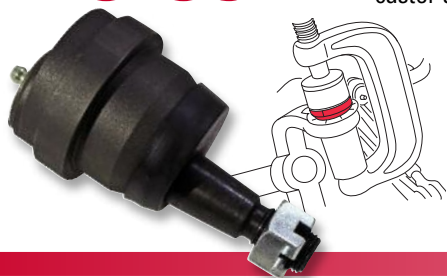
Gear/Index



Parts

23710 - 23730

DODGE PIN JOINTS

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



-  **23780** - Bushing Sleeves, pg 155
-  **72509** - Ball Joint Press, pg 161

Front Adjustment range:

- 23710** Camber/Caster $\pm 0.50^\circ$
- 23720** Camber/Caster $\pm 1.00^\circ$
- 23730** Camber/Caster $\pm 1.50^\circ$

Installation time: 1.0 hr/side

Required: 1 per wheel



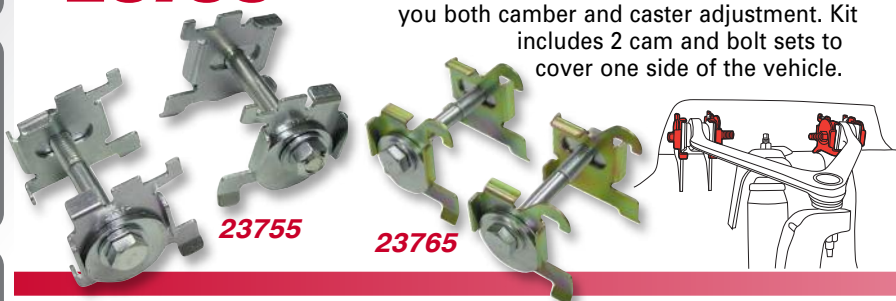
APPLICATIONS

- Dodge 4WD:** 2000 - 02 2500 Ram, 3500 Ram
- Dodge RWD:** 2000 - 02 3500 Ram w/monobeam

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 $\pm 1.50^\circ$

Installation time: .3 hr/side

Required: 1 kit per wheel

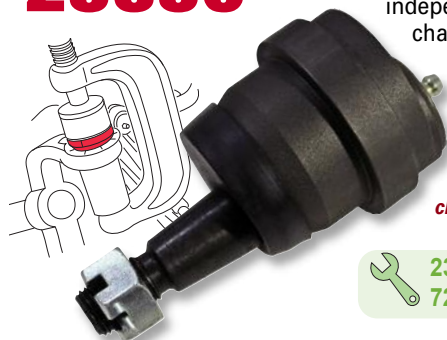
APPLICATIONS

- 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° increments and provide for independent wheel caster and/or camber changes up to 1-1/2°. Use installation sleeve set **23780** in conjunction with ball joint press **72509** for quick removal and installation of the pin joints.



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



-  **23780** - Ball joint press sleeves, pg 155
-  **72509** - Ball joint press, pg 161

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

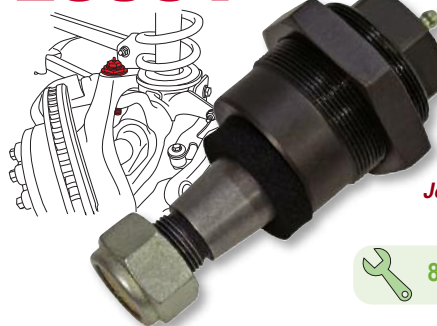
APPLICATIONS

- Dodge/Ram RWD:** 2003 & Up 3500 Ram w/mono beam
- Dodge/Ram 4WD:** 2006 - 08 1500 Ram 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 167

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

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)



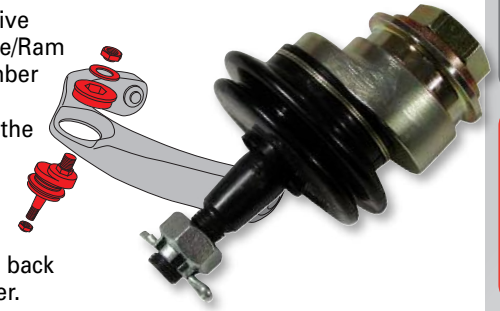
72509 - Ball Joint
Press, pg 161

DODGE/RAM 1500 ADJUSTABLE BALL JOINT

23940

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 $\pm 3.00^\circ$ /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 - 14 Suburban 2500

Hummer 4WD:

2002 - 09 H2



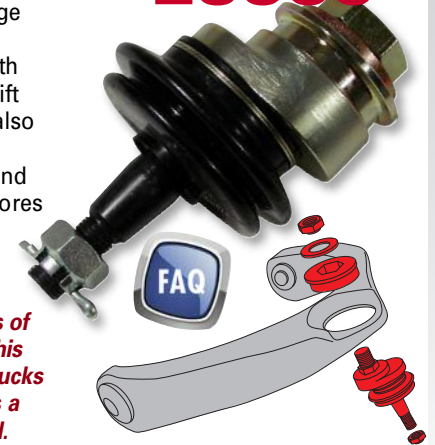
72509 - Ball Joint
Press, pg 161

GM ADJ. BALL JOINT

23960

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.



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

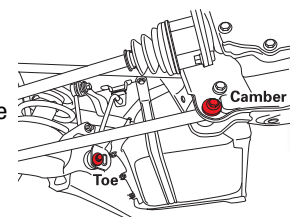
APPLICATIONS

Toyota: 2001 - 05 RAV4

RAV4 CAMBER/TOE CAM BOLT

25380

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.



SPC Performance's Builder Series

SPC Performance has an extensive line of high quality suspension/chassis components for builders. See pages 150-152 for more.



- **xAxis™ Sealed Flex Joints** replace many OE style bushings. SPC's xAxis™ Sealed Flex Joint is recommended for use as a bushing replacement when higher performance or increased joint angularity is desired - perfect for race and off-road builders. Our complete line of xAxis components includes forged rod end receivers, weld in receivers and bungs along with Bushing Press Tools for easier installation.
- **Builder Ball Joints** are the optimal choice for anyone designing and building their own control arms. SPC has application specific, hardened alloy steel ball joint studs available with a weldable housing for fabricating your own arm. The OE quality ball joint is greaseable, re-buildable, and includes a built-in wear compensation feature.
- **Tubular Chassis Components** include high quality rod end receivers, spherical bearing receivers, high mis-alignment inserts and weld-in bungs.



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Accessories

Brake and CV

Gear/Index

Parts

Adjustable Sleeves

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

A great solution for saving money and keeping sales.



24120



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

Installation time: .5 hr/side

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

Required: 1 per wheel

74500 - Adjustable Sleeve Wrench, pg 163

APPLICATIONS

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

24130



We have Fixed Sleeves for these Apps, Part Nos. 23100 - page 64 and 23130 - page 65

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

Installation time: .5 hr/side

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

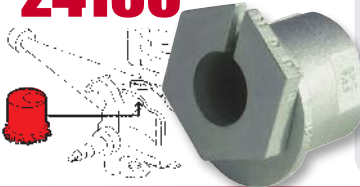
Required: 1 per wheel

74500 - Adjustable Sleeve Wrench, pg 163

APPLICATIONS

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

24160



Replaces up to 8 stock sleeves.

Installation time: .5 hr/side

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

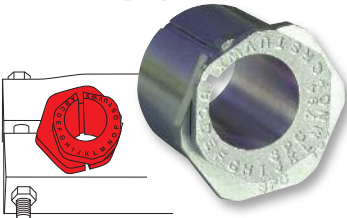
Required: 1 per wheel

74400 - Adjustable Sleeve Wrench, pg 163

APPLICATIONS

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

24180



We have Fixed Sleeves for these Apps, Part No. 23180 - page 65

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

Installation time: .5 hr/side

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

Required: 1 per wheel

74400 - Adj. Sleeve Wrench, pg 163
 74500 - Adj. Sleeve Wrench, pg 163

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)
1991 - 94 Explorer; 1990 - 97 Ranger
Mazda RWD/4WD: 1994 - 97 B-Series Pickup
1991 - 94 Navajo

24220



We have Fixed Sleeves for these Apps, Part No. 23220 - page 66

Replaces up to 11 stock sleeves.

Installation time: .5 hr/side

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

Required: 1 per wheel

74600 - Adjustable Sleeve Wrench, pg 163

APPLICATIONS

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

24230



We have Fixed Sleeves for these Apps, Part No. 23230 - page 66

Replaces up to 10 stock sleeves.

Installation time: .5 hr/side

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

Required: 1 per wheel

74600 - Adjustable Sleeve Wrench, pg 163

APPLICATIONS

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

Front Adjustment range: Cam./Cas. $\pm 1.50^\circ$
 Installation time: .3 hr/side Req.: 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 PreRunner
Toyota 4WD: 1996 - 04 Tacoma
Toyota RWD/4WD: 1996 - 02 4-Runner

25435 APPLICATIONS

Lexus 4WD: 2003 - 09 GX
Toyota RWD: 2005 - 15 Tacoma PreRunner
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
 2010 & Up 4Runner

25445 APPLICATIONS

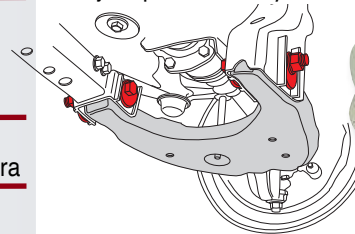
Toyota RWD/4WD: 2001 - 07 Sequoia; 1999 - 06 Tundra

25450 APPLICATIONS

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

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.



 **40915 - Cam Extractor, pg 157**

25425
25430
25435
25440
25445
25450



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 Crusier 100 Series



25460 APPLICATIONS

Toyota RWD: 1998 - 04 Tacoma PreRunner
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 Crusier 200 Series

25470 APPLICATIONS

Toyota RWD: 2005 & Up Tacoma PreRunner
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

TOYOTA FRONT UPPER ARMS (PR)

Many Toyota trucks and SUVs run out of factory adjustment when you install lift kits. With our patented design this upper control arm provides an additional $\pm 2^\circ$ of camber and 0° to $+4^\circ$ of caster change. Built with a greaseable OE style ball joint and **SpecRide** bushings, this arm is designed to correct alignment angles while maintaining factory ride quality. SPC's forged steel and DOM tube designs are tough enough to race on or off-road. These remove and replace arms are available in pairs for lifted and off-road applications.

Note: Arms are packaged with all parts needed for installation - your arm may be different than pictured.

25455
25460
25465
25470
25480
25485
25490



25470
 Patent No.
 US 7,513,514 B

Premium Ball Joints Feature:

Internal Wear Springs	Two Piece Hybrid Race	36mm Ball	Greaseable
• Wear compensation	• Spreads load	• 80% of articulation	• For harsh environments
• Consistent turning torque for life	• Polished hard surfaces extend life	• 25% larger stud cross section vs OE	• Sealed Boot

Parts

Applications

Alignment Parts

Heavy Duty

Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

25540

NISSAN FRONT UPPER ADJ. ARMS (PR)

Lifted Nissans often run out of factory adjustment when lift kits are installed. Additionally, the OE upper control arm can contact the frame, limiting droop travel and causing unwanted noise vibration harshness. These heavy duty replacement arms feature drawn over mandrel (DOM) tubing construction and use our premium patented adjustable greaseable ball joint (see page 71) and **SpecRide™** bushings, allowing for greatly increased droop travel and easy alignment.

Patent No. US 7,513,514 B

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

Need new bolts? Order #21035 for two replacement bolts page 144.



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 Xteras 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 - 15 Titan

Patent No.
US 7,513,514 B



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.

- **Get more droop travel:** With 80° of articulation in the upgraded ball joint and free pivoting cross axis bushings.
- **Get your drivability and tracking back:** When you lift your truck you affect caster and camber. SPC's arms have the most adjustment on the market so you can put your alignment angles back to specification.
- **Get your tire where you want it in the wheel well:** Move oversized tires forward in the wheel well to minimize or avoid fender trimming.

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
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 114.

Patent No. US 7,513,514 B



26012 26014

CAMBER SHIMS

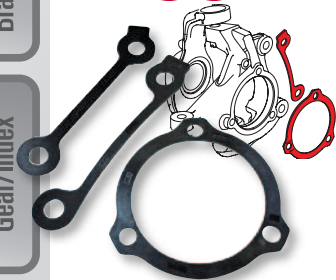
Change camber $+0.5^\circ$ or $+1.0^\circ$ on many popular Jeep and Ford models by installing this shim between the hub and steering knuckle. A caliper shim is also included. These durable high-strength nylon shims provide a faster option for correcting negative camber issues.

Front Adjustment range:
26012 $+0.50^\circ$ Camber **26014** $+1.0^\circ$ Camber

Installation time: .5 hr/side Req.: 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 & Up Wrangler JK; 2006 - 10 Commander XK



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

Required: 1 per wheel **per adjustment**



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)

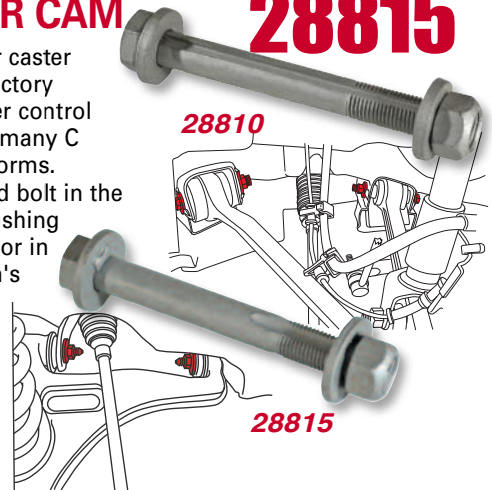
28815 APPLICATIONS

Chrysler: 2004 - 08 Crossfire (Incl. SRT6)
Mercedes: 1994 - 00 C Class (W202)
2008 - 14 C Class (W204); 2012 & Up CL Class (C215)
1998 - 02 CLK Class (C208)
2003 CLK Class (W208 Cabriolet)
2010 - 16 E Class (W212); 2010 - 17 E Class (A207)
2003 - 09 E Class 4MATIC (W211)
2009 - 15 GLK Class (X204)
1999 - 04 S Class 4MATIC (W22)

MERCEDES CAMBER/ CASTER CAM

28810 28815

Adjust camber or caster $\pm 0.3^\circ$ 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.



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

Installation time: .6 hr/side

Required: 1 per wheel



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)
2010 & Up E Class Coupe/Convertible (A207/C207)
2009 - 15 GLK Class (X204)

28855 APPLICATIONS

Mercedes: 2015 & Up C Class Sedan (W205)
2010 - 16 E-Class Sedan and Wagon (W212 & S212)

28860 APPLICATIONS

Mercedes: 2003 - 09 E Class (W211)

NOTE: The 28850, 28855 and 28860 Camber Kits DO NOT fit AMG Models

MERCEDES REAR CAMBER KITS (PR)

28840 28850 28855 28860



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

28840 uses:
75990 - Ball joint press sleeves, pg 163
72509 - Ball joint press, pg 161

28850, 28855, 28860 uses:
76000 - Ball joint press sleeves, pg 163
72509 - Ball joint press, pg 161



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

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.

35075 35076



Applications

Alignment Parts

Heavy Duty

Wear Replacement

Racing/Build

Tools

Accessories

Brake and CV

Gear/Index

Parts

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. 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 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

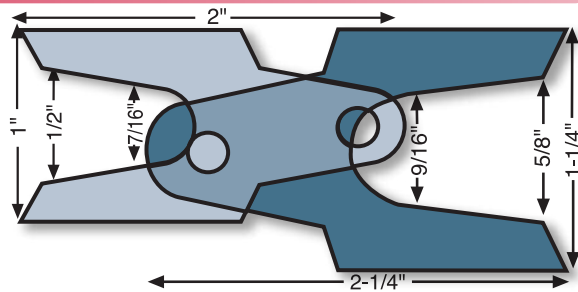
Camber/Caster Duo-Fit

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

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

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

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



Camber/Caster 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. Control arm shaft mount bolts up to 5/8" dia.	Part #	Thick.	Qty
	47150	1/64"	50
	47151	1/32"	50
	47152	1/16"	50
	47153	1/8"	50

47762 - 47764 'X'

7/16" open. APPS. Control arm shaft mount bolts up to 7/16" dia.	Part #	Thick.	Qty
	47762	1/16"	50
	47763	1/8"	50
	47764	3/16"	50

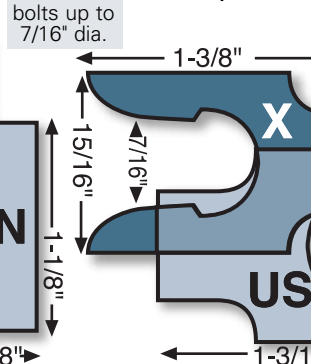
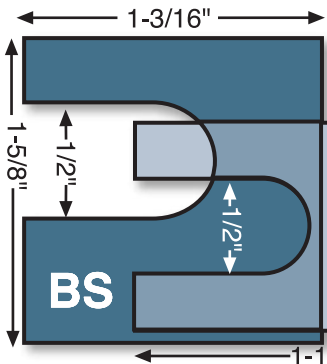
47765 - 47769 'CT'

1/2" open. for imports APPS. Control arm shaft mount bolts up to 1/2" dia.	Part #	Thick.	Qty
	47765	1/64"	50
	47766	1/32"	50
	47767	1/16"	50
	47768	1/8"	50
	47769	3/16"	50

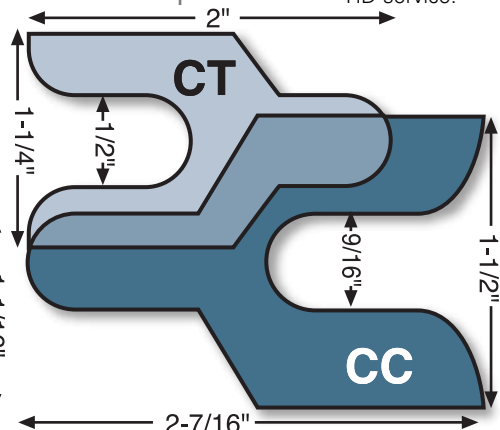
47775 - 47778 'CC'

9/16" open. H/D Trucks APPS. Control arm shaft mount bolts up to 9/16" dia.	Part #	Thick.	Qty
	47775	1/32"	50
	47776	1/16"	50
	47777	1/8"	50
	47778	3/16"	25

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



SHIMS SHOWN ACTUAL SIZE



47170 SERIES



CORVETTE TOE SHIMS

Bring rear toe back into factory specification for C2 and C3 Chevy Corvettes with these stackable shims from SPC. This 3 piece kit includes 1 each of our 1/32", 1/16", and 1/8" shims. Shims are also available in 6 packs of single size.

Set 47170 contains 1 each: 47171, 47172, 47173

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

REAR APPLICATIONS

Chevrolet: 1963 - 82 Corvette C2/C3

Look for our front adjustable arms for C2/C3 Corvettes on page 125

Camber/Caster Shim Sets



37150 Duo-Fit

DUO-FIT SET **37150**

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



47700 SLA

SLA SET **47700**

These camber/caster shims (previous 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**

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

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

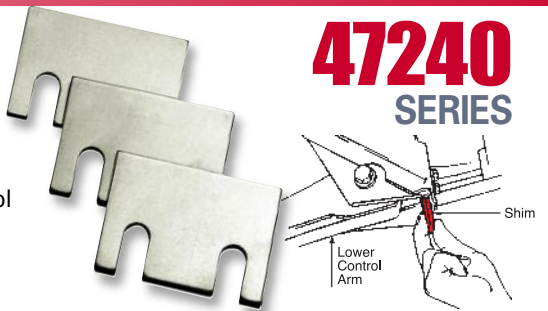
APPLICATIONS

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

JEEP CASTER SHIMS

These shims provide positive caster changes on early model downsize Jeeps by installing them between the lower control arm and the frame bracket. Stackable for larger changes.

6 Shims per package



47240 SERIES

Front Adjustment range:
Camber -1.50° to $+3.50^{\circ}$
Caster -1.00° to $+2.00^{\circ}$

Installation time: .7 hr/side

Required: 1 per wheel

APPLICATIONS

- Acura:** 1997 - 00 EL
Honda: 1996 - 00 Civic

HONDA FRONT CAMBER/CASTER CONTROL ARM

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

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

Replacement ball joint - #67245 available, pg 145



62010

Installation time: .5 hr/axle

Required: 1 per axle

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

APPLICATIONS

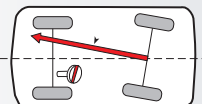
63020 - 2-3/8" Width

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

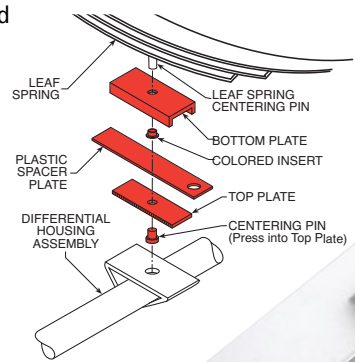
Vehicles with 3", 3-1/2" and 3-5/8" wide leaf springs including 80mm, 90mm, and 100mm wide leaf springs.

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.



63020 **63030**



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

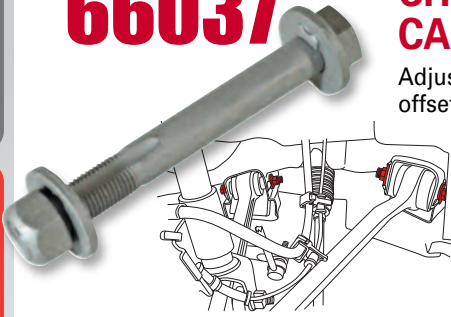
Gear/Index

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

Chrysler: 2005 & Up 300 & 300C

Dodge: 2008 & Up Challenger
2006 & Up 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 tubular design incorporates our low-profile adjustable ball joint. These arms fit both the left and right side.

Front Adjustment range:

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

Installation time: .6 hr/side

Required: 1 per wheel

66040 APPLICATIONS

Chrysler: 2005 - 08 300 RWD

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

66045 APPLICATIONS

Chrysler: 2009 & Up 300 RWD

Dodge: 2009 & Up Challenger
2009 & Up Charger RWD

66047 APPLICATIONS

Chrysler: 2005 & Up 300 AWD

Dodge: 2006 & Up Charger AWD
2005 - 08 Magnum AWD

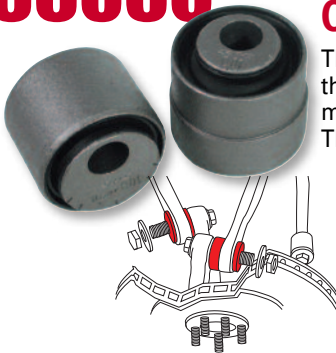
Patent No.
US 7,513,514 B



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 bushing press, these bushings can be installed without removing the control arms.



Rear Adjustment range:

Camber $\pm 1.50^\circ$

Installation time: .6 hr/side

Required: 1 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 157

66025 - Bushing Press Sleeves, pg 160

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. The OE toe link is difficult to remove because the inner bolt 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

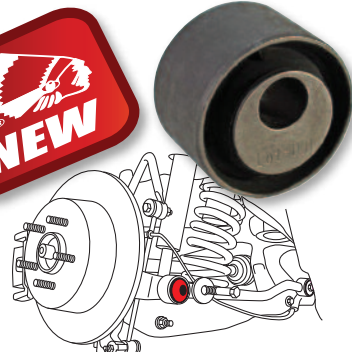
APPLICATIONS

Chrysler: 2005 & Up 300
2004 - 08 Pacifica

Dodge: 2008 & Up Challenger
2006 & Up Charger
2005 - 08 Magnum

40920 - Performance Ball Joint Press, pg 157

66025 - Bushing Press Sleeves, pg 160



Applications

Alignment Parts

Heavy Duty

OE Replacements

Racing/Builders

Tools

Accessories

and CV

Gear/Index

Rear Adjustment range:
Camber -2.00° to +2.75°*

Installation time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

Nissan: 1985 - 94 Maxima
1987 - 92 Stanza

NISSAN EZ ARM XR™

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

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



67010

Rear Adjustment range: Camber ±2.50°

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™

This fully adjustable EZ Arm provides rear camber changes of ±2.5°. From street to track our adjustable control arm offers simple installation and adjustment for optimal performance.



67015

Rear Adjustment range: Camber ±4.00°

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™

This fully adjustable trailing link provides ±4° 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.



67018

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

Installation time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

Chrysler: 1993 - 97 Concorde
FWD 1994 - 97 LHS,
New Yorker

Dodge: 1993 - 97 Intrepid
Eagle: 1993 - 97 Vision

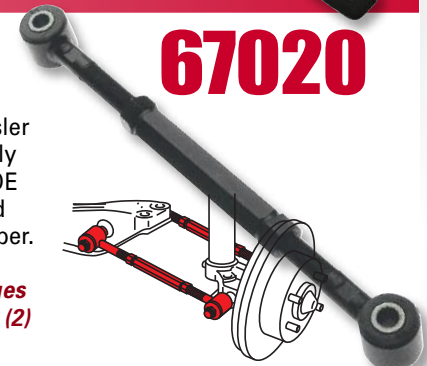
55600 - Check out our Rear Toe Tool for these LH Bodies - pg 159



CHRYSLER LH EZ ARM XR™

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

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



67020

Rear Adjustment range: Camber ±3.50°

Installation time: .8 hr/side

Required: 1 per wheel

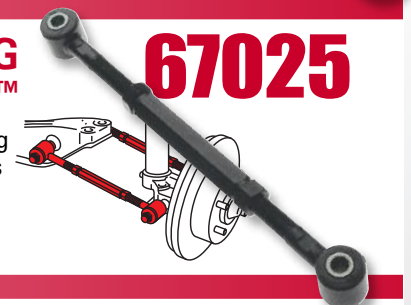
APPLICATIONS

Chrysler: 2004 - 06 Sebring Sedan & Conv.

Dodge: 2004 - 06 Stratus Sedan

STRATUS AND SEBRING EZ ARM XR™

Adjust rear camber on 2004 - 06 Sebring and Stratus sedans up to ±3.5° with this control arm. Simply replace the non-adjustable OE arm with the EZ Arm XR, and you can adjust the rear camber.



67025

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

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™

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

NOTE: Some vehicles may need longer bolts when installing this arm. Use set #73415 found on page 102.



67030

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

67065

HONDA/ACURA REAR EZ ARM XR™



Replacement ball joint - #67075 available, page 145.

These arms correct rear camber on stock ride height vehicles and vehicles that have been lowered up to 1.5" with an adjustment range of -2.0° to +3.5°. 67065 comes with a non-directional ball joint pre-installed. (Extreme drops - use #67265 page 80).

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

67070

ESCORT TOE ARM



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

Replacement Spindle bolts - #21030 available, page 144.

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

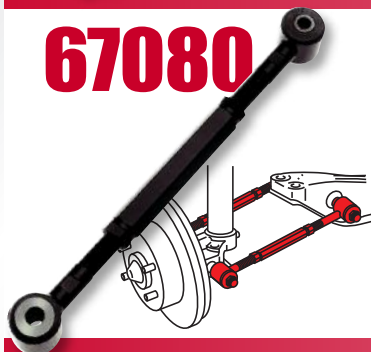
Installation time: .5 hr/side Req.: 1 per wheel

APPLICATIONS

- Ford:** 1991 - 96 Escort
- Mazda:** 1990 - 94 323; 1995 - 98 Protege
- Mercury:** 1991 - 94 Tracer

67080

CHRYSLER LH EZ ARM XR™



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

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



55700 - Check out our Front Toe Tool for these LH Bodies - pg 157

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

Installation Time: .8 hr/side

Required: 1 per wheel

APPLICATIONS

- Chrysler:** 1999 - 04 300M
1998 - 04 Concorde
1998 - 01 LHS
- Dodge:** 1998 - 04 Intrepid

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

Rear Adj. range: Camber -1.00° to +3.00°

Installation time: 1.3 hr/side Req.: 1 per wheel

APPLICATIONS

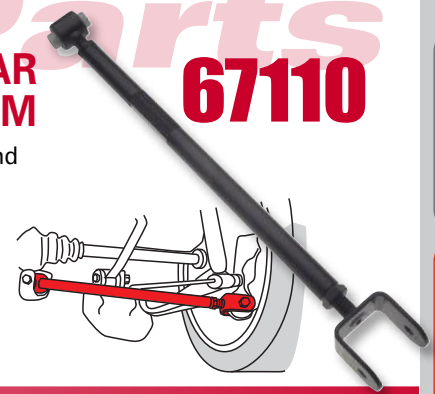
BMW: 2000 - 06 3 Series Coupe and Convertible (E46)
 1999 - 05 3 Series Sedan and Wagon (E46)
 1992 - 99 3 Series 318, 323 and M3 (E36)
 2003 - 08 3 Series Z4 (E85)

For high performance applications check out our billet aluminum arm (#72110) on page 96.

BMW REAR CAMBER ARM

67110

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.



Adjustment range: Camber ±1.50°

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; 1989 - 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

67155 Honda: 1997 - 02 Prelude SH

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

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

67180 Chrysler: 1995 - 00 Cirrus; 2001 - 06 Sebring 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
Isuzu: 1996 - 99 Oasis

67165 Honda: 1992 - 02 Prelude

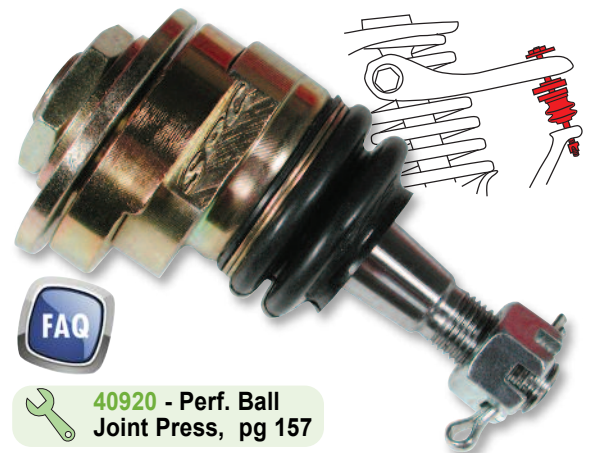
See our Adjustable Ball Joint for Honda S2000 pg 80
See our Adjustable Ball Joint for Lexus on pg 86

ADJUSTABLE BALL JOINT

67115 67125 67135 67145 67155 67165 67170 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° check out our Extended Range Ball Joints on page 82.

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



40920 - Perf. Ball Joint Press, pg 157

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

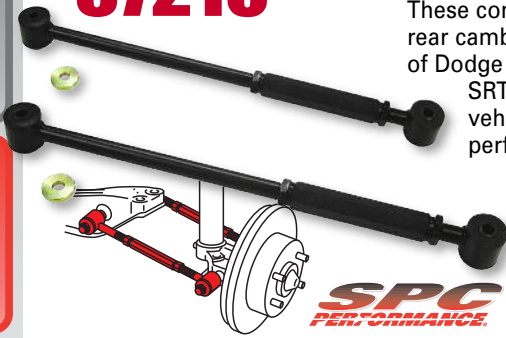
Accessories

Brake and CV

Gear/Index

67210**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.

**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****67220****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 $\pm 1.5^\circ$.

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 157**

***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 $+6.00^\circ$

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 $+3.5^\circ$. The "bent" design of the arm gives extra clearance. 67265 comes with a non-directional ball joint preinstalled. (Stock vehicles - use **67065** page 78). Replacement Ball Joint **67075** (page 145).

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**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 $\pm 4.00^\circ$

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

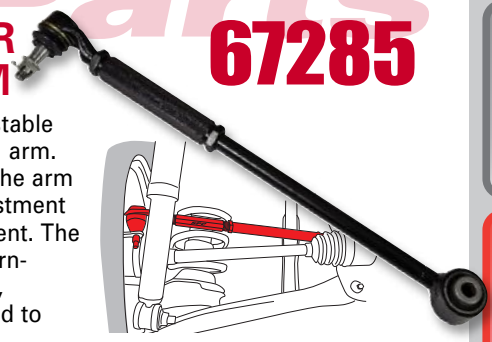
Rear Adjustment range:
Camber. $\pm 2.00^\circ$
Installation time: .8 hr/side
Required: 1 per wheel

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

ESCAPE/TRIBUTE REAR CAMBER ARM

67285

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 turn-buckle design that adjusts camber $\pm 2.0^\circ$, factory toe adjustments can then be used to complete the alignment.



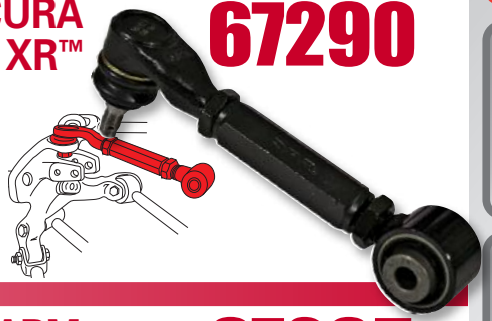
Rear Adjustment range: Camber -2.00° to $+4.00^\circ$
Installation Time: .5 hr/side Req.: 1 per wheel

APPLICATIONS
Acura: 2001 - 06 MDX
2004 - 08 TSX
Honda: 2003 - 07 Accord
1999 - 04 Odyssey
2003 - 08 Pilot

HONDA/ACURA EZ ARM XR™

67290

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



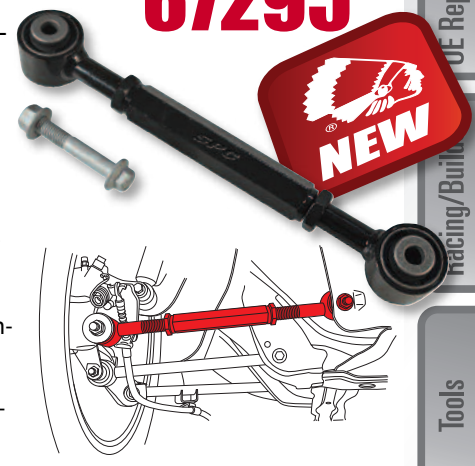
Rear Adjustment range:
Toe $\pm 3.00^\circ$
Installation time: .5 hr/side
Required: 1 per wheel

APPLICATIONS
Acura: 1999 - 08 TL
2004 - 08 TSX
Honda: 1998 - 07 Accord

ACCORD REAR TOE ARM

67295

Adjust rear toe on Honda Accord and Acura TL models with this fully adjustable control arm from SPC. This remove and replace arm provides $\pm 3.0^\circ$ of adjustment and allows the installer to easily dial in alignment changes to reduce tire wear, enhance handling or directly replace worn chassis component with an easy to adjust arm. SPC includes a replacement inboard bolt with this control arm. The factory cam bolt is often frozen in place and gets destroyed upon removal. SPC's replacement bolt has a hex chromate free finish that is highly rust resistant and meets industry leading 700-hour Salt Spray Test requirements (SST). Need camber adjustment as well? Check applications for an adjustable upper camber arm.



JOUNCE SPACERS (4)

67300

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.



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

Featured Owner: Sergio Zapien

My car is a 1994 Honda Accord LX, AKA Goldfish, which I have owned since 2009, saving it from the salvage yard – but enough about the car, let's talk about why I chose SPC for all my alignment needs.

After a short time doing research, it was evident, SPC Part Numbers 67265, 84695, and 67340 (rear camber arms, caster washers and adjustable ball joints) were the best on the market not only due to its reliability and performance but it's world class customer service and tech support.



Applications

Alignment Parts

Heavy Duty

OE Replacement

Tracing/Building

Tools

Accessories

Brake and CV

Gear/Index

67320
67330
67340
67350
67360
67370

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 79.

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.



 **40920 - Perf. Ball Joint Press, pg 157**

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; 1989 - 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

67350 Honda: 1997 - 02 Prelude SH

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

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

APPLICATIONS REAR

67360 Honda: 1992 - 02 Prelude

SPC
PERFORMANCE

67395



ACCORD REAR EZ ARM XR™

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

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

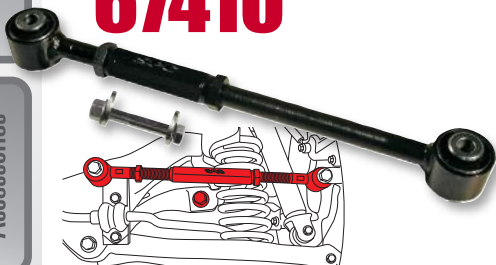
Installation Time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Honda: 1986 - 89 Accord

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.

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

Installation Time: .5 hr/side

Required: 1 per wheel

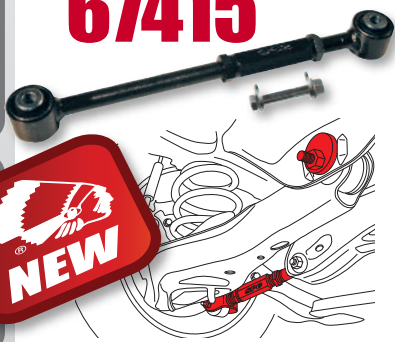
APPLICATIONS

Hyundai: 2007 - 10 Elantra
2011 - 12 Elantra Touring

Kia: 2007 - 08 Optima
2007 - 12 Rondo

 **85130 - Rotary File, pg 165**

67415



MAZDA REAR EZ ARM XR™

Make rear camber on the Mazda3 adjustable for life with this adjustable lower control arm and extended range toe cam kit. The remove and replace camber arm provides ±3.0° of change and the included extended range toe cam will get toe back to specification through the entire camber range. Whether you need to adjust to correct for handling and tire wear issues, the track, or stance this is the kit for you. Use rotary file #85130 to extend the factory toe slot and take advantage of the full throw provided by SPC's extended toe cam bolt.


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

Installation Time: .7 hr/side

Required: 1 per wheel

APPLICATIONS

Mazda: 2014 & Up Mazda3

 **85130 - Rotary File, pg 165**

Rear Camber Adjustment

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

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

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 $\pm 3.0^{\circ}$

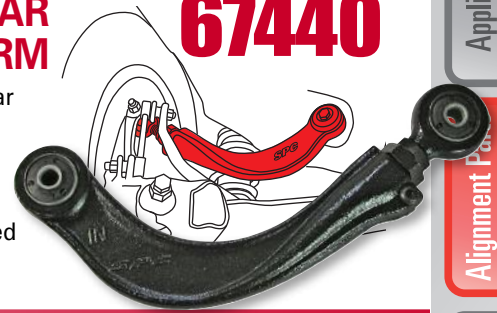
APPLICATIONS

- 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.



Rear Adjustment range:
Camber $\pm 2.0^{\circ}$

Installation Time: .5 hr/side

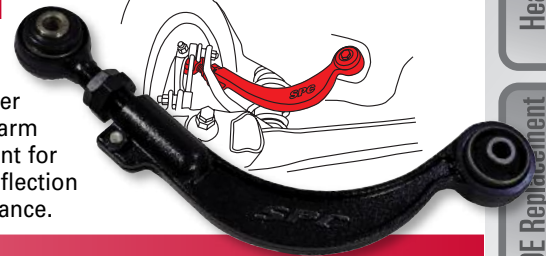
Req.: 1 per wheel

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 $\pm 2.0^{\circ}$). The arm includes SPC's xAxis™ Sealed Flex joint for improved durability and minimized deflection providing improved handling performance.



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

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

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

HONDA CR-V REAR EZ ARM XR™

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



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

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

APPLICATIONS

- Dodge AWD/FWD:** 2007 - 12 Caliber
- Jeep AWD/FWD:**
2007 & Up Compass
2007 & Up Patriot
- Mitsubishi AWD/FWD:**
2008 & Up Lancer
2007 & Up Outlander
2011 - 17 Outlander Sport

DODGE/JEEP REAR CAMBER ARM

Replace the non-adjustable rear upper control arm with this adjustable arm to dial in $\pm 2^{\circ}$ 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.



U.S. Patent
#8,746,714

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

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 161
72509 - Ball Joint Press, pg 163

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 $\pm 1.25^{\circ}$ 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 #67475 rear arm kits (page 84).



67465

Applications

Alignment Pa

Heavy Duty

OE Replacement

Racing/Builders

Tools

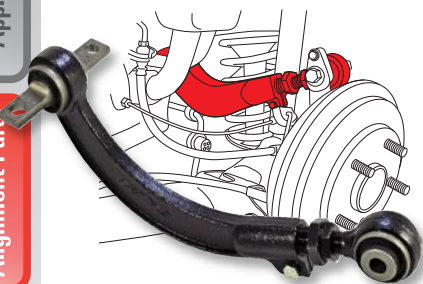
Accessories

Brake and CV

Gear/Index

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

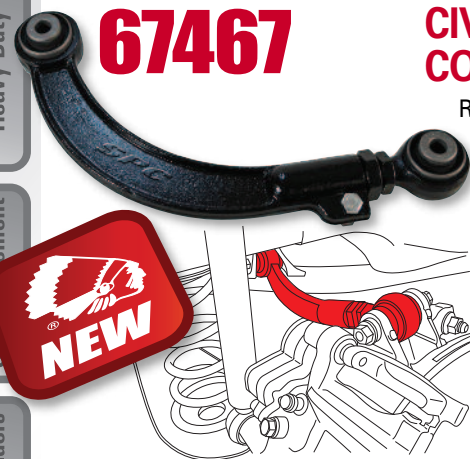
APPLICATIONS

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

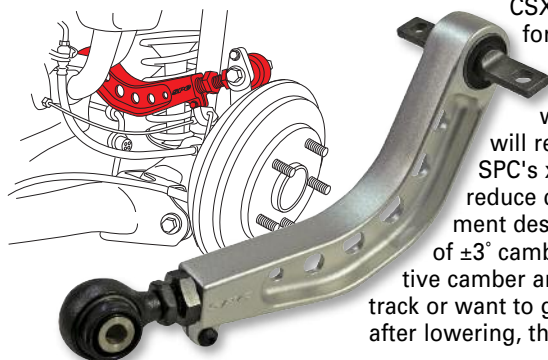
Required: 1 per wheel

APPLICATIONS

Honda: 2016 & Up Civic
(Incl. Si/Hybrid)

67475**HONDA CIVIC CAMBER ARM**

Get your 8th and 9th generation Civic or Acura CSX & ILX track ready with SPC's forged aluminum adjustable rear camber arm. SPC forged aircraft grade 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

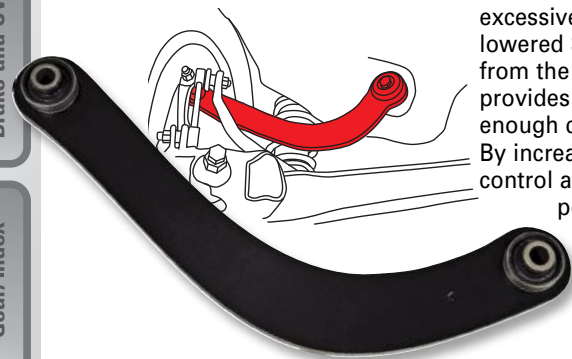
Acura: 2006 - 11 CSX
2013 & Up ILX

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

SPC
PERFORMANCE
PERFORMANCE

67485**SCION tC REAR ARM**

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



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

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Scion: 2005 - 10 tC

SPC
PERFORMANCE
PERFORMANCE

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

Installation time: .5 hr/side

Required: 1 per wheel

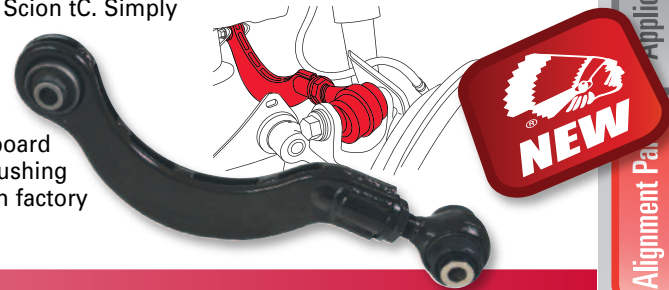
APPLICATIONS

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

SCION 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 $\pm 2.00^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

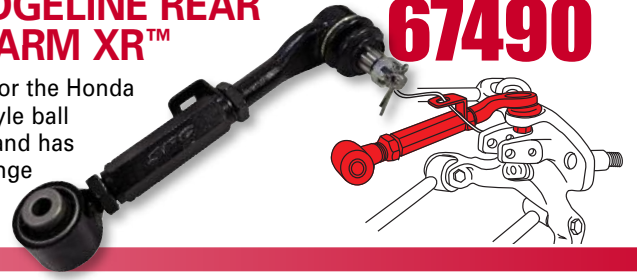
APPLICATIONS

- 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 $\pm 3.00^\circ$ Toe $\pm 1.50^\circ$

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

- Hyundai:** 2001 - 06 Santa Fe



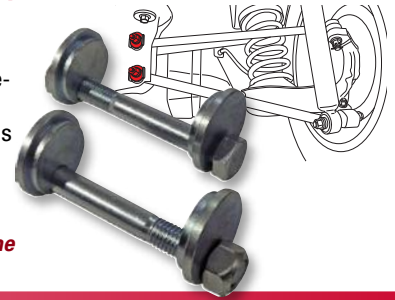
85130 - Rotary File, pg 165

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 (below) for the 2003 - 06 Santa Fe.



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

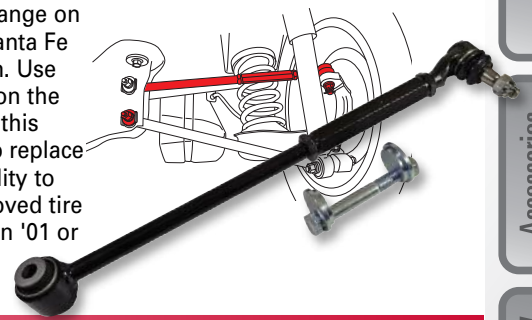


85130 - Rotary File, pg 165

SANTA FE ADJUSTABLE REAR ARM AND TOE CAM

67495

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 to double the change provided by the OE cams.



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

LEXUS REAR CAMBER KIT

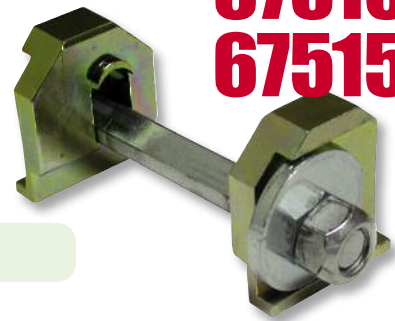
67510

67515

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 (page 86).



85130 - Rotary File, pg 165



Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

Parts

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 157**

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 - 13 IS; 2014 ISF
2014 - 15 IS Conv.

67540

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.

Rear Adjustment Range:

67540 (3 ARM SET)

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

Setback: $\pm 1.0^\circ$

67545 Camber: $\pm 1.0^\circ$

67550* Setback: $\pm 1.0"$

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

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

Installation time:

67540 - .8 hr/side

67545 - .3 hr/side

67550 - .3 hr/side

67555 - .3 hr/side

Required: 1 per wheel

APPLICATIONS

Acura: 2009 - 14 TL, TSX

Honda:

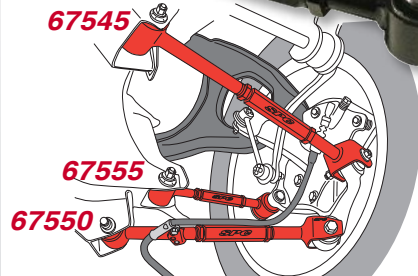
2008 & Up

Accord

2010 - 15

Crosstour

67545 Camber
67550 Lateral
67555 Toe



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

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°

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

67570

Acura: 2007 - 13 MDX
2010 - 13 ZDX

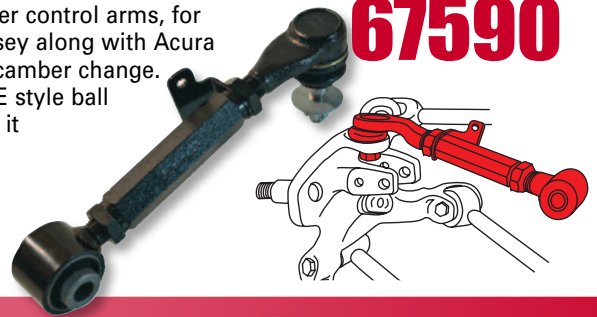
Honda: 2009 - 15 Pilot

67590

Honda: 2005 & Up 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

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

Installation time: .5 hr/side

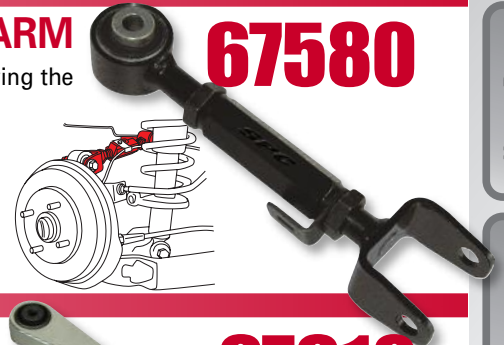
Required: 1 per wheel

APPLICATIONS

Honda: 2007 & Up CR-V

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

Rear Adjustment range:
Camber ±4.00°

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

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 ±4.0° of rear camber change.



67610

Front Adjustment range:
Camber ±2.00° Caster ±0.75°

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
2011 - 16 Countryman
2012 - 15 Coupe (Incl. Roadster)
2008 - 14 Clubman; 2013 - 16 Paceman

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 161 - Use this tool for struts with adjustable damping**



67620 67630

Rear Adjustment range:
Camber ±1.5° Toe ±1.5°

Installation Time: .8 hr/side

Required: 1 per wheel

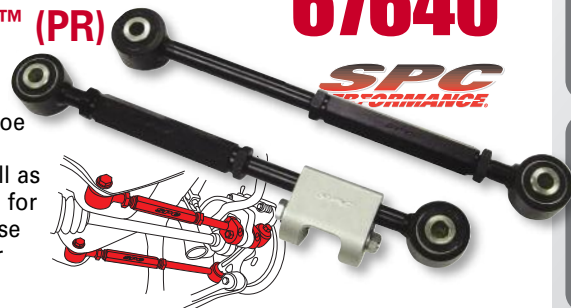
APPLICATIONS

Subaru: 1993 - 07 Impreza
WRX, STI
1990 - 99 Legacy, Outback
1992 - 97 SVX

Saab: 2005 - 07 9-2X

SUBARU/SAAB EZ ARM XR™ (PR)

This set of 2 adjustable lower control arms will provide up to ±1.5° 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.



67640

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

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
2006 & Up Tribeca
2008 - 16 Impreza
2008 & Up WRX (Inc. STI)
2012 & Up XV CrossTrek
- Toyota:** 2017 & Up 86

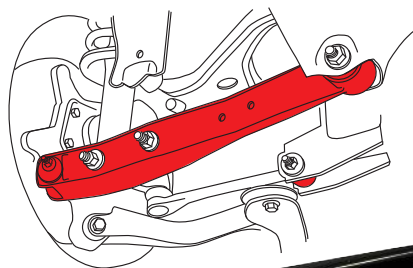
67660

SUBARU/SCION ADJ. REAR CAMBER ARM AND TOE KIT

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 (above).





Rear Adjustment range: Camber $\pm 2.0^\circ$ Toe 1.5° Fixed

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

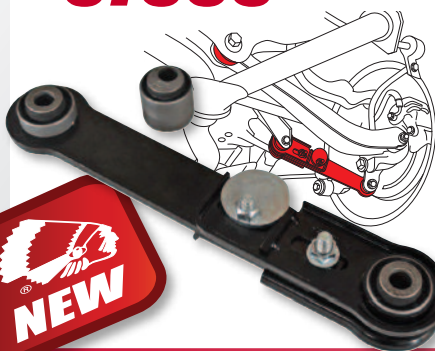
- Scion:** 2013 - 16 FR-S
- Subaru:** 2013 & Up BRZ
2009 & Up Forester
2010 & Up Legacy, Outback
2006 & Up Tribeca
2008 - 16 Impreza
2008 & Up WRX (Inc. STi)
2012 & Up XV CrossTrek
- Toyota:** 2017 & Up 86

-  **67647 - Bushing Sleeves, pg 160**
-  **72509 - Ball Joint Press, pg 161**

67665

SUBARU CAMBER AND TOE KIT W/CAMBER ARM & TOE BUSHING

Replace the factory non-adjustable rear lower control arm with this adjustable arm to dial in $\pm 3.0^\circ$ of rear camber change on many popular Subaru models. This remove and replace arm includes rubber bushings to match chassis design parameters and OE levels of noise, vibration, and harshness. SPC's control arm kit also includes an offset toe bushing to increase the range of your factory toe cam.



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

Installation time: .7 hr/side

Required: 1 per wheel

APPLICATIONS

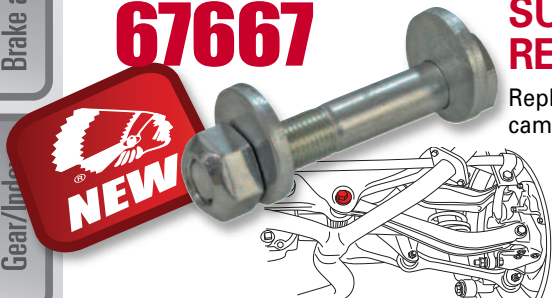
- Subaru:** 2003 - 06 Baja
2000 - 09 Legacy
2000 - 09 Outback

U.S. Patent
#8,746,714

67667

SUBARU ADJUSTABLE REAR TOE BOLT

Replace corroded or damaged OE toe cam bolts on the rear of the 2000 to 2009 Subaru Legacy, Outback and many more. Get up to $\pm 1.5^\circ$ of toe change and then lock it in place with this simple R&R piece. One kit is required per side or two for the entire vehicle.



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

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

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

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

Installation time: .7 hr/side

Required: 1 per wheel

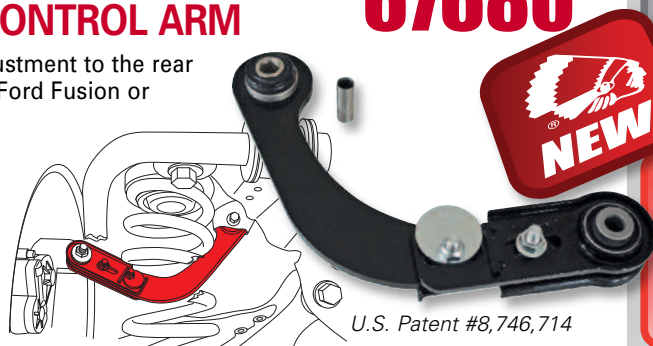
APPLICATIONS

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

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.



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

Installation Time: .3 hr/side

Required: 1 per axle

APPLICATIONS

Nissan: 1989 - 98 240SX

NISSAN 240SX FRONT CASTER ROD (PR)

67720

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.



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

Ins. Time: .3 hr/side

Req.: 1 kit per wheel

APPLICATIONS

Nissan: 1989 - 98 240SX

NISSAN 240SX TOE LINK

67740

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:
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

NISSAN 240SX REAR CAMBER KITS

67765 67775 67776

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

67765
L or R



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

Installation time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Lexus: 2011 & Up CT
2010 - 2012 HS

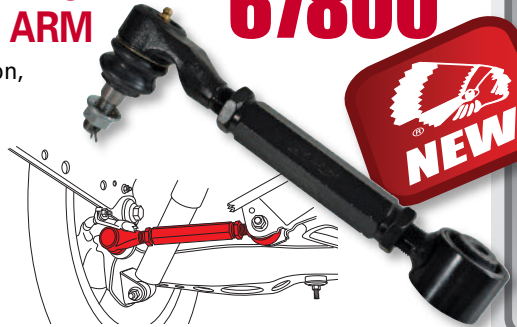
Scion: 2016 - 2016 iM
2011 - 2016 tC

Toyota 2017 & Up Corolla iM

SCION/LEXUS REAR TOE ARM

67800

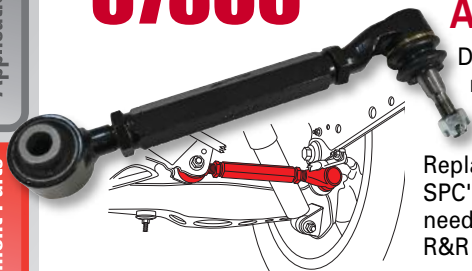
Extend total toe change on select Scion, Lexus, and Toyota models with SPC's replacement rear toe adjustment arm. Many of these models come with factory adjustment but need more due to factory recalls, lowering, or collision repair. SPC's remove and replace rear link provides $\pm 3.0^\circ$ of toe change.



67805**TOYOTA RAV4 REAR
ADJUSTABLE TOE ARM**

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:
Toe $\pm 3.00^\circ$

Installation time: .3 hr/side

Required: 1 per wheel

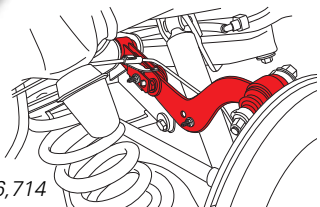
APPLICATIONS

Toyota: 2006 - 10 RAV4

67810
RIGHT SIDE**67811**
LEFT SIDE**RAV4 ADJUSTABLE CAMBER
ARM**

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:
Camber $\pm 3.00^\circ$

Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

Toyota: 2006 & Up RAV4

Lexus: 2006 & Up NX 200t
2006 & Up NX 300h

U.S. Patent #8,746,714

NEW

**69100 -
69400****HONDA/ACURA
REAR CLEARANCE
ARMS (PR)**

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

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

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

Rear Adjustment range: See Applications

Installation time: .3 hr/side

Required: 1 per axle

APPLICATIONS

69100* Acura: 1997 - 00 EL
Honda: 1996 - 00 Civic

69200* Acura: 1990 - 01 Integra (Not Type R)
Honda: 1988 - 95 Civic; 1988 - 92 CRX
1992 - 97 Del Sol

**Note: These arms are shorter than the OE arm. Camber will be affected and these arms must be used with 67030 adjustable rear upper arm (page 61)*

69300** Acura: 2001 - 05 EL
Honda: 2001 - 05 Civic

69400** Acura: 2002 - 06 RSX
Honda: 2002 - 06 CR-V
2003 - 11 Element

***Note: These arms are for appearance and weight saving only. They include a special Socket, Part 69330 (page 160) which is required for installation.*

SPC
PERFORMANCE

From the beginning

SPC was one of the first companies to recognize the special suspension requirements tuners needed when they started to alter the height of sport compact vehicles. Whether it was for racing, show or street, SPC adjustable suspension components met the needs of this growing market. Starting with Civics and Integras SPC Performance soon expanded the line to include Nissans, BMWs, Minis, Mustangs, 300s and more. Today SPC is the world leader in Performance Suspension Tuning, and is the brand professionals depend on to correct alignment angles for these special vehicles.



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

Installation time: .6 hr/side

Required: 1 per axle

APPLICATIONS

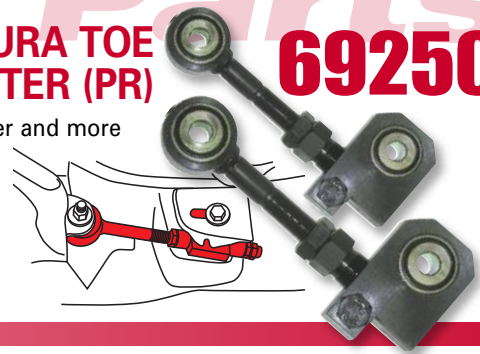
Acura: 1997 - 00 EL; 1990 - 01 Integra

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

HONDA/ACURA TOE ADJUSTER (PR)

69250

This kit allows for easier and more accurate toe adjustments. May be used alone, however a toe adjuster should be used with Clearance Arms #69100-#69400.



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

Installation time: .5 hr/side

Required: 1 per axle

APPLICATIONS

69450 Acura: 1997 - 00 EL
1990 - 01 Integra

Honda: 1992 - 00 Civic
1992 - 97 Del Sol

69460 Honda: 1988 - 91 Civic
1988 - 92 CRX



HONDA/ACURA TOE ADJUSTER (PR)

69450

69460

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 #69100-#69400.



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 & Up Juke
2011 - 16 Leaf

FULL CONTACT REAR SHIMS

CAMBER/TOE

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

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

71000 SHIM SET - Includes 12 shims/2 each no.

71000

SERIES

NOTE:
Do NOT adjust
Camber or
Toe over
1.0°



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 & Up 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

GM REAR TOE AND CAMBER SHIMS

71030

SERIES

71050

SERIES

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.

71030 SHIM SET

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

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	$\pm .50^\circ$		

71050 SHIM SET

Includes 18 shims/2 each of 71051-71055 and 71061-66

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	$\pm .50^\circ$		



Missing our Full Contact Nylon Shims? You can use our EZ Shims for all of our discontinued Shim applications, see page 104.



Parts

71500 SERIES

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 $\pm 0.50^\circ$ to $\pm 1.0^\circ$ camber change and up to $\pm 0.50^\circ$ 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	$\pm 0.13^\circ$
71521	$\pm 0.25^\circ$
71522	$\pm 0.38^\circ$
71523	$\pm 0.50^\circ$

CAMBER	
Part No.	Change
71530	$+0.50^\circ$
71531	$+1.00^\circ$
71532	-0.50°
71533	-1.00°



87530 - Wrench

Rear Adjustment range:
Camber $\pm 0.50^\circ$ to $\pm 1.00^\circ$ /
Toe $\pm 0.13^\circ$ to $\pm 0.50^\circ$

Installation time: .5 hr/side

Required: 1 shim per wheel/
per angle changed

APPLICATIONS

Audi FWD: 2000 - 06 TT

Volkswagen: 1998 - 10 Beetle

1998 - 06 Golf (Except R32)

1999 - 06 GTI

1999 - 05 Jetta (Beam Rear Axle)

CAUTION: Check brake & rotor clearance for binding. 75970 spacers (page 104) maybe required.

 **87530 - VW Shim Wrench, pg 166**



NOTE: When installing these shims we recommended that you use our VW Shim Wrench (#87530 pg. 166) to assist in removing the rear hub.

71600 SERIES

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 degree may be made by stacking a 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	$\pm 0.50^\circ$

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 - 16 Sienna

71600

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



71700 SERIES

CHRYSLER MINI-VAN SHIMS

For camber and toe change, use our mini-van shims that allow for quick and easy changes in increments of: toe .10° and camber .25°.

71700 SHIM SET - Includes 20 shims/2 of each size.

CAMBER		Degree of Change
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	$\pm 1.00^\circ$	(1°)

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

FWD: 2000 - 03 Voyager

Dodge 1996 - 07 Caravan

FWD: 2001 & Up Grand Caravan

Ram 2012 - 15 Tradesman

FWD: Conversion Van

Nissan: 2007 -12 Sentra

Plymouth 1996 - 01 Voyager

FWD:

Volkswagen 2009 - 14 Routan

FWD:



TOE		Degree of Change
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")]
71723	$\pm 0.40^\circ$	[.20" (3/16")]
71724	$\pm 0.50^\circ$	[.25" (1/4")]
71725	$\pm 0.80^\circ$	[.40" (3/8")]

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.



Rear Adjustment range:
Camber $\pm 25^\circ$, $\pm 50^\circ$, $\pm 1.00^\circ$
Toe ± 10 to $\pm 50^\circ$

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 $\pm 10^\circ$ to $\pm 50^\circ$ of toe change and $\pm 25^\circ$ to $\pm 1.00^\circ$ camber change and can be stacked up to two shims.

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

71740 SERIES



TOE Part No.	Degree of Change	Part No.	Degree of Change
71741	$\pm 10^\circ$	71744	$\pm 40^\circ$
71742	$\pm 20^\circ$	71745	$\pm 50^\circ$
71743	$\pm 30^\circ$		

CAMBER Part No.	Degree of Change	Part No.	Degree of Change
71751	$+ 25^\circ$	71754	$- 25^\circ$
71752	$+ 50^\circ$	71755	$- 50^\circ$
71753	$+ 1.00^\circ$	71756	$- 1.00^\circ$

Rear Adjustment range:
Camber $+ 50^\circ$, $+ 75^\circ$, $+ 1.00^\circ$

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 FWD: 2005 - 07 Montego
2008 - 09 Sable FWD

FORD REAR CAMBER SHIM TAURUS/FREESTYLE

This full contact rear shim adds positive 0.5° , $.75^\circ$, 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	$+ .50^\circ$
71763	$+ .75^\circ$
71764	$+ 1.00^\circ$

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

71760 SERIES



Rear Adjustment range:
Camber $\pm 25^\circ$, $\pm 50^\circ$, $\pm 75^\circ$, $\pm 1.00^\circ$
Toe ± 13 to $\pm 50^\circ$ ($1/8^\circ$ 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 .

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 $- .5^\circ$ to $+ .5^\circ$ in $1/8^\circ$ increments and camber shims that will adjust from $\pm 25^\circ$ 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.

71770 SERIES

71780 SERIES



TOE Part No.	Degree of Change	Part No.	Degree of Change
71771	$+ .13^\circ$	71776	$- .13^\circ$
71772	$+ .25^\circ$	71777	$- .25^\circ$
71773	$+ .38^\circ$	71778	$- .38^\circ$
71774	$+ .50^\circ$	71779	$- .50^\circ$

CAMBER Part No.	Degree of Change
71781	$\pm .25^\circ$
71782	$\pm .50^\circ$
71783	$\pm .75^\circ$
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.



Toe Shim

Camber Shim

TOE

Part No.	Change
71791	$\pm .10^\circ$
71792	$\pm .20^\circ$
71793	$\pm .30^\circ$
71794	$\pm .40^\circ$
71795	$\pm .50^\circ$

CAMBER

Part No.	Change
71796	$\pm .25^\circ$
71797	$\pm .50^\circ$
71798	$\pm .75^\circ$
71799	$\pm 1.00^\circ$

Rear Adjustment range:
Camber $\pm .25^\circ$, $\pm .50^\circ$, $\pm .75^\circ$, $\pm 1.00^\circ$
Toe $\pm .10$ to $\pm .50^\circ$ ($.10^\circ$ increments)

Installation time: .5 hr/side

Required: 1 shim per wheel/
per angle changed

APPLICATIONS

Honda: 2015 & Up Fit
2016 & Up HR-V

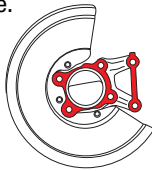
71790

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

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.



CAMBER

Part No.	Change
71932	$\pm .50^\circ$
71933	$\pm .75^\circ$
71934	$\pm 1.00^\circ$
71935	$\pm 1.25^\circ$

Front Adjustment range:
Camber $\pm .50^\circ$, $\pm .75^\circ$, $\pm 1.0^\circ$, $\pm 1.25^\circ$
Installation time: .5 hr/side
Required: 1 or 2 shims per wheel

APPLICATIONS

Hyundai: 2009 - 14 Genesis Sedan
2011 - 13 Equus
Kia: 2015 K900

71930

SHIM SET Includes 8 shims/2 of each size.

72040

MUSTANG FRONT CAMBER/CASTER STRUT MOUNT (PR)

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 additional change? SPC makes kits to change camber on the knuckle and caster on the lower control arm, check out p/n 72350 (pg 101).



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.

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



72045

MUSTANG ADJUSTABLE PANHARD BAR

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 vulcanized rubber bushings promote precise handling while maintaining factory noise levels and damping qualities. SPC's bushings are the same size as factory bushings and lend themselves to other aftermarket bushings if stiffer bushings or different materials are required. Adjust your Mustang SPC panhard bar on the car to optimize lateral stability and tracking.

Complete your suspension tuning project plus get additional pinion and thrust angle adjustments by using SPC's adjustable trailing arms #72345 (page 101)

Rear Adjustment range:
Tracking $\pm 1.5"$
Installation time: 0.5 hr/side
Required: 1 per axle

APPLICATIONS

Ford: 2005 - 14 Mustang



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

APPLICATIONS

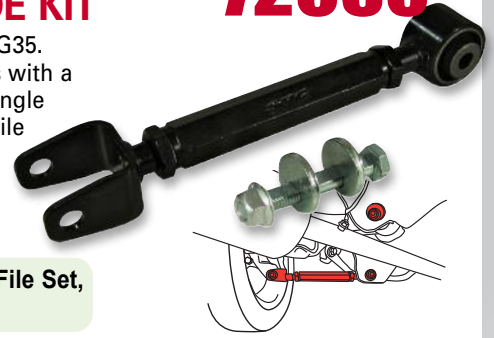
- Infiniti:** 2003 - 07 G35 Coupe
 w/o rear active steer
 2003 - 06 G35 Sedan
- Nissan:** 2003 - 08 350Z
 2002 - 06 Altima
 2004 - 14 Maxima



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 165

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 165

See page 99 and 100 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.



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

APPLICATIONS

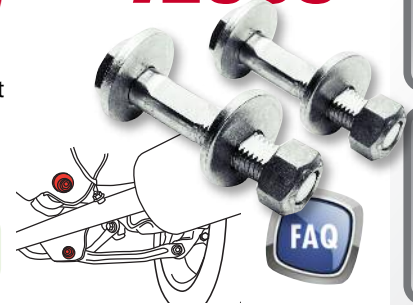
- Infiniti:** 2003 - 07 G35 Coupe
 w/o rear active steer
 2003 - 06 G35 Sedan
- Nissan:** 2003 - 08 350Z
 2007 - 13 Altima Coupe
 2002 - 12 Altima Sedan
 2004 - 14 Maxima

NISSAN/INFINITI REAR CAMBER/TOE KIT (PR)

72055

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 165



Front Adjustment range:
 Camber $-.50^\circ$ to $+1.50^\circ$
 Caster 0.0° to $+1.50^\circ$
 Installation time: 1.0 hr/side
 Required: 1 per axle

APPLICATIONS

- Ford:** 1994 - 04 Mustang

See page 145 for SPC's replacement Cobra IRS xAxis™ rear knuckle kits



MUSTANG FRONT CAMBER/CASTER STRUT MOUNT (PR)

72060

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. These plates also come complete with special strut boots and bump stops.

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



Parts

72065
72070
72080
72090

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 and racing applications.

See page 98 for additional adjustable front strut mounts for RWD 1 & 3 Series and more

SPC
PERFORMANCE



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

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. 'M' (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 2005 - 06 3 Series Sedan/Wagon (E46)

RWD/AWD: 2004 - 05 3 Series Coupe/Conv. (E46)

BMW 2003 - 08 3 Series Z4 - Except 'M' (E85)

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



72095 - pg 161 - Use this tool for struts with adjustable damping

Not recommended for aftermarket coil-over equipped vehicles.

72110

BMW REAR LOWER CONTROL ARM (PR)

These billet aluminum arms fit the 3-Series (E36/E46/E85) along with the Z4, giving you -1.0° to $+3.0^{\circ}$ of rear camber change. Great for these popular tuner vehicles, these machined parts are in a stand-out silver anodized finish with SPC "Red" nuts. Our standard EZ Arm (#67110) for BMWs is shown on page 79.

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)

The proof is on the track

Specialty Products knows the value of 'testing it on the track'. Many of SPC's parts are used in a large variety of SCCA classes and other amateur races as well as in professional chassis set-ups.



Our customers know the value of these proven parts...

Featured Owner: Bob Seelig

"I reached out to SPC 18 months ago because I kept breaking adjustable ball joints in my 1989 CRX. I called up SPC and spoke to an actual SPC engineer and explained what environment I needed the suspension components to operate in and how the past vendor parts had failed. I am happy to report SPC parts are as good as advertised as I have not broken a ball joint since using their parts."

In 2016 Bob won his SCCA class in the RallyCross Nationals in Prepared - Front Wheel Drive.

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

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

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

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 72117

RIGHT SIDE LEFT SIDE




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

Installation Time: 1.8 hr/side

Required: 1 per axle

APPLICATIONS

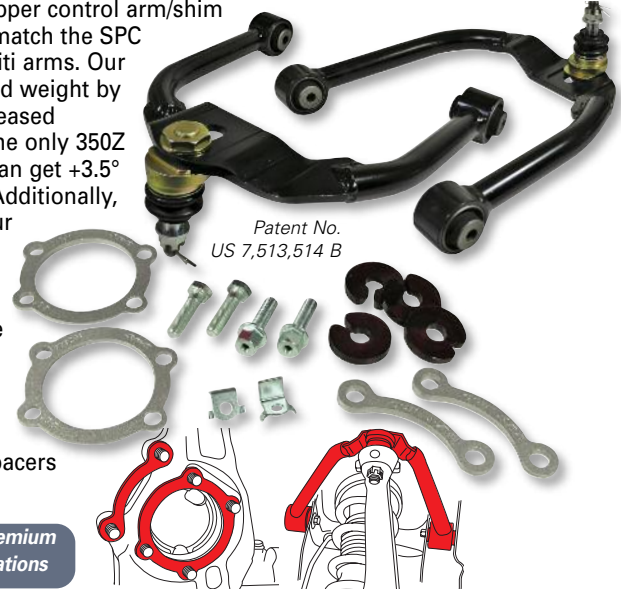
- Infiniti:** 2003 - 07 G35 Coupe
(with and w/o active steer)
2003 - 06 G35 Sedan
Nissan: 2003 - 08 350Z

 **8370 - Puller,**
pg 155

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

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° to -1.5° camber change. Additionally, you will be able to set your caster at ±1°. 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.



Patent No. US 7,513,514 B



See page 103 for our premium design for these applications

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

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 & Up QX50
Nissan: 2009 & Up 370Z

370Z & G37 FRONT UPPER CONTROL ARMS (PR)

This pair of front upper control arms will give you ±1° caster and ±2.5° camber change. Simply replace the OE front upper control arms and dial in your suspension angles with our patented sliding ball joint and caster plate. Whether you want to tune your suspension for the ultimate in handling performance, minimize tire wear or easily move back and forth between two settings, these are the arms to get the job done.



72130

Patent No. US 7,513,514 B

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

Applications

Alignment Parts

Heavy

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

Parts

72180 72190



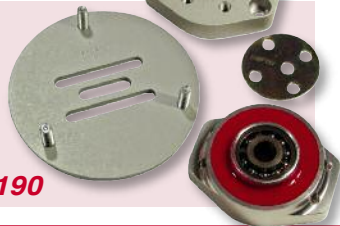
BMW FRONT ADJ. UPPER STRUT MOUNTS (PR)


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.

72180



72190



 **72095** - pg 161 - Use this tool for struts with adjustable damping

SPC
PERFORMANCE

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 96 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 161

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)

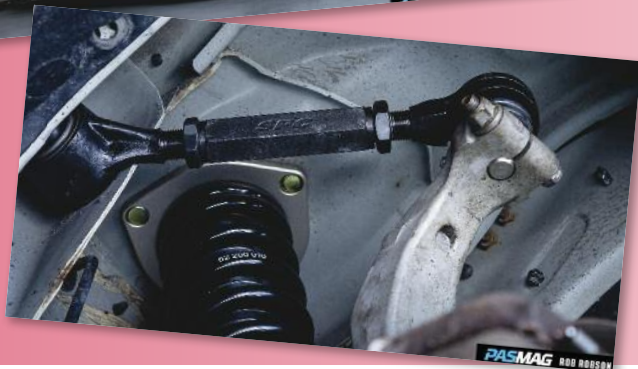


Featured Owner: Richard Robles

When Rich said he was getting back in the game with his G37, we were pretty excited, so we went all out.

Up front, we used SPC's Adjustable front upper control arms, which can also be used on the G35, 350Z and 370Z. These arms allowed us positive and negative three-degrees of camber and caster adjustment, all while matching the OE design, which eliminates fender interference – bonus!

In the rear, it's a team effort. SPC's adjustable rear lower control arms, camber lockout plates and extended range toe cams give a combined effort that allows positive and negative three degrees of camber and two degrees of toe adjustment. The arms employ SPC's xAxis sealed flex joints, which act like monoballs, but utilize non-metal bushings to last longer over OE. Upgrades all around!



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: $\pm 1.0"$

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

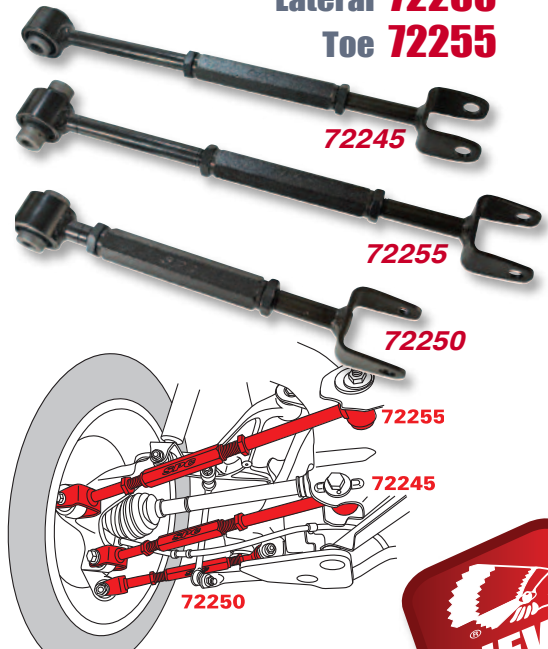
Infiniti: 2014 - Up Q50, Q70
 2011 - 2013 M35h,
 M37, M56

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.



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 & Up QX50/QX70

Nissan: 2009 & Up 370 Z



85130 - Rotary File Set, pg 165

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 95 and 100 for additional rear arms for Nissans and Infinitis

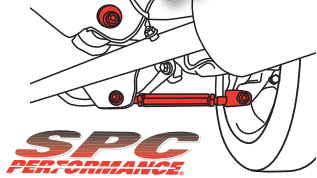
Parts

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.



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 & Up QX50/QX70
Nissan: 2009 & Up 370 Z

 **85130 - Rotary File Set,**
pg 165

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Build

Tools

Accessories

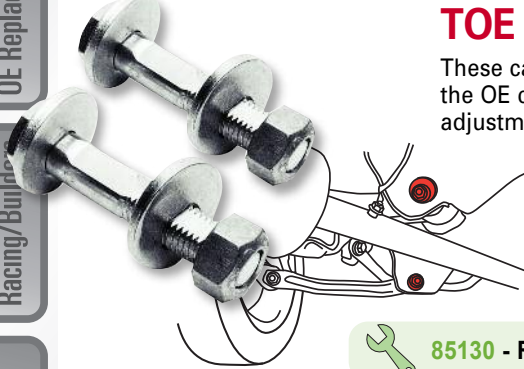
Brake and CV


Gear/Index

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 165

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 & Up QX50/70
Nissan: 2009 & Up 370 Z

72270

LEXUS GS ADJUSTABLE FRONT ARMS (PR)

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



Patent No. US 7,513,514 B

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



APPLICATIONS

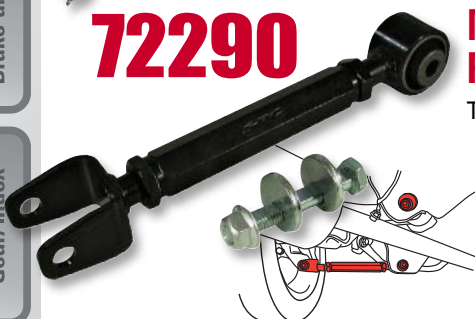
Lexus: 1993 - 05 GS
2002 - 10 SC



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 CONTROL ARM

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'l Thrust

Installation Time: .6 hr/axle

Required: 1 per axle

APPLICATIONS

Ford: 2005 - 14
Mustang



MUSTANG REAR ADJUSTABLE TRAILING ARMS (PR)

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 94

Front Adjustment range:
72350 Camber $\pm 1.50^\circ$
Caster $\pm .50^\circ$

Installation Time: 1.0 hr/axle

Required: 1 per axle

72355 Caster $\pm .50^\circ$

Installation Time: .4 hr/wheel

Required: 1 per wheel

APPLICATIONS

Ford: 2005 - 14 Mustang



85130 - Rotary File Set,
pg 165

MUSTANG FRONT ALIGNMENT KITS

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

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

US Patent Nos.
8,544,861 B2 •
8,469,375



72350 72355

#72355 Includes only
One Caster Cam

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

Installation time: .5 hr/side

Required: 1 per wheel

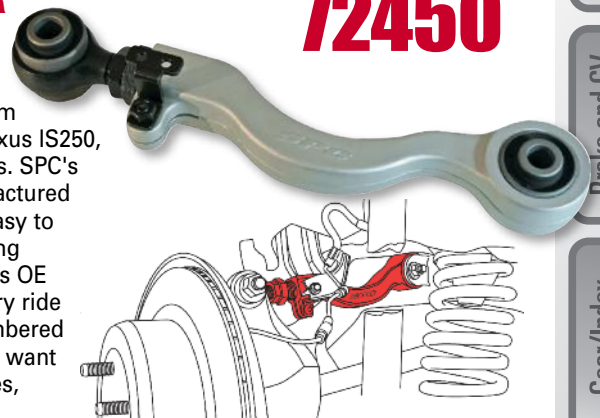
APPLICATIONS

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



LEXUS REAR CAMBER LINK

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.



72450

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. These arms come with preset turning torque, if you want a looser or a tighter ball joint simply change preload by turning the retainer. This set can be used for front or rear, so if you want adjustability on all four corners get two sets.

Features

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

Benefits

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

#72613 Ball Joint Rebuild kit includes:
ball joint race, ball joint stud,
ball joint lock nut, ball joint boot,
ball joint boot press adapter

Rear Adjustment range:

Camber $\pm 2.00^\circ$

Installation time:

Front: .6 hr/side

Rear: 1.0 hr/side

Required: 1 per axle

APPLICATIONS

(See website for details)

Porsche: 1999 - 11 911 (996/997)

1997 - 16 Boxster (987/981)

1997 - 04 Boxster (986)

2006 - 16 Cayman (987/981)

NOTE: ARMS WILL NOT WORK WITH MODELS EQUIPPED WITH HYDRAULIC BUSHINGS UNLESS THE BUSHINGS ARE REUSED FROM THE ORIGINAL CONTROL ARMS



72120 - Spanner Wrench,
pg 161



73400 SHIM PACK

CHRYSLER/MITSUBISHI REAR SHIM PACK

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

73415 BOLT SET - Set of 4 bolts.

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

Rear Adjustment range:

Camber $+ .25^\circ$ to $+ .75^\circ$

Installation time: .3 hr/side

Required: 1 per axle

APPLICATIONS

Chrysler: 1995 - 00 Sebring

2001 - 06 Sebring 2Dr Coupe

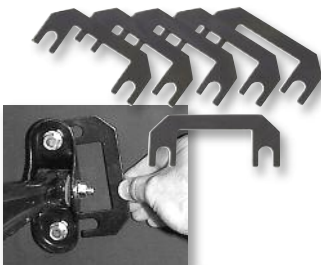
Dodge: 1995 - 00 Avenger

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

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

Installation Time: .5 hr/side

Required: 1 per wheel

APPLICATIONS

Chrysler: 1995 - 00 Sebring

2001 - 06 Sebring 2Dr Coupe

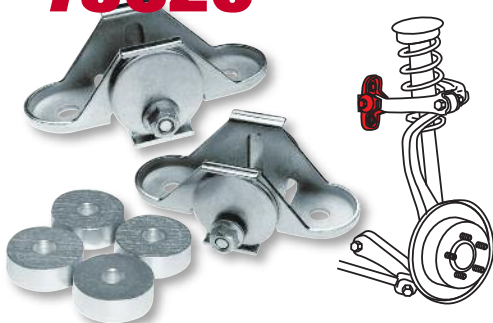
Dodge: 1995 - 00 Avenger

2001 - 05 Stratus

Eagle: 1995 - 98 Talon

Mitsubishi: 1997 - 04 Diamante

1995 - 05 Eclipse, 1994 - 03 Galant



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.

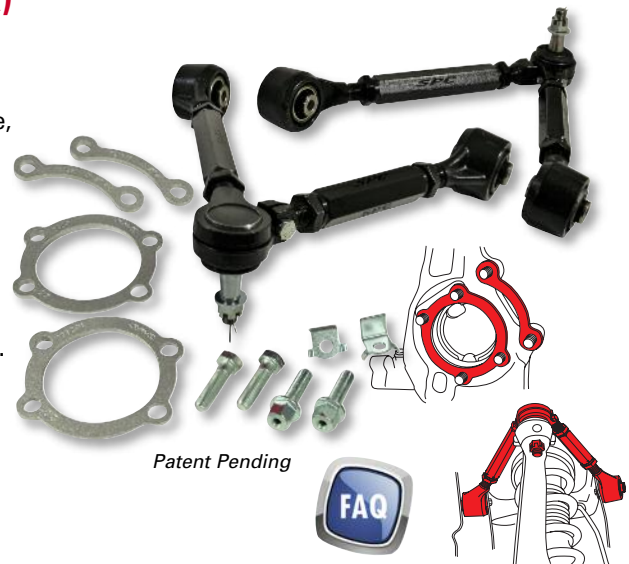
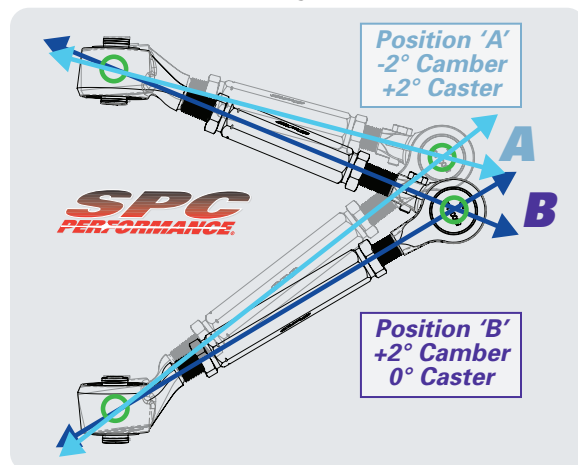
The 73000 SPC arms match the OE design for clearance so you can get up to $+2^\circ$ camber change without fender well interference. If more positive change is needed use the included $+2^\circ$ camber shims for fixed change and dial in the rest with your arms. The 73005 arms provide $\pm 3.0^\circ$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

Features

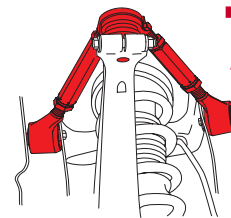
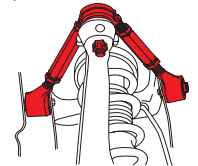
- Most camber and caster adjustability on the market
- Best clearance of any adjustable control arm
- Turnbuckle adjusters for easy on car alignment
- High strength forged steel components
- Optimized geometry reduces stresses to pure tension and compression for maximized strength and minimized weight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

Benefits

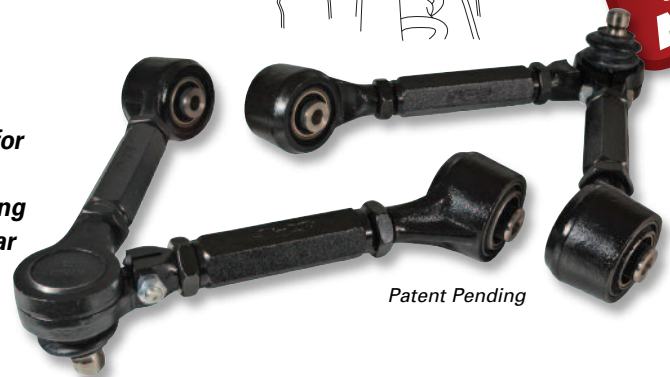
- Set your camber and caster where you want it for
 - **Look** "Cambered" appearance
 - **Driving style** Improved handling and cornering
 - **Tire wear** Adjust angles to minimize tire wear
- Up to $+4^\circ$ of camber change without inner fender well contact
- Easy to adjust
- Sealed joints means no 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



Patent Pending



73005



Patent Pending

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

Nissan: 2003 - 08 350Z

8370 - Puller, pg 155

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 & Up QX 50
2014 & Up Q60; 2014 & Up QX70

Nissan: 2009 & Up 370Z

75200 BLUE
75400 GREY
75600 YELLOW
75800 RED

EZ Shim™

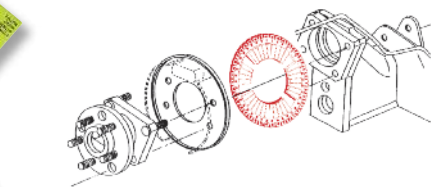
FULL CONTACT DUAL ANGLE

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° toe and .10° 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 63) 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.

75915 CUTTER

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

75920 MARKER

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

75970 SPACER SET (8)

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



75910
EZ Shim™ dial Chart lists changes in decimal degrees only.



75915



75920



75970

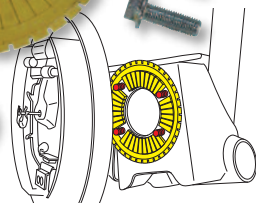
75610

REAR SHIM AND BOLT KIT

Adjust rear camber and toe up to ±1.5° 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 above.



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

Installation time: .5 hr/side

Required: 1 shim per wheel

APPLICATIONS

See application charts, pages 7-60 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 61

Rear Adjustment range:

Camber ±1.50° Toe ±1.50°

Installation Time: .4 hr/side

Required: 1 per wheel

APPLICATIONS FWD ONLY

Nissan: 2009 - 14 Cube
2013 & Up Sentra
2007 - 2011 Versa/Note
Pontiac: 2003 - 10 Vibe
Toyota: 2003 - 08 Corolla
2003 - 13 Matrix

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

EZ Cam™ XR

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

Installation time: .4 hr/side

Required: 1 per axle

APPLICATIONS

See application charts,
pages 7-60 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

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

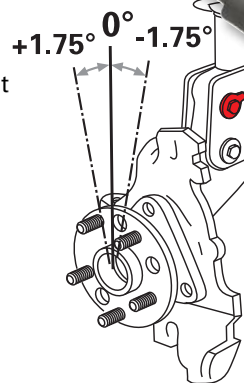
This kit may also be used on GM vehicles equipped with aftermarket slotted struts with the addition of our adapter plate, 81286 included with cams.

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

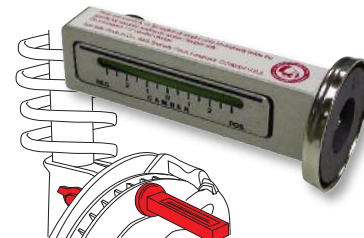
Part No. 81295 (pr)
For replacement of 18mm bolts



US Patent Nos.
8,544,861 B2 •
8,469,375



NO Special
Tools
NO Grinding
Necessary



Check camber change before,
during and after installation
with our 81139 Magnetic
Camber Gauge (page 164)

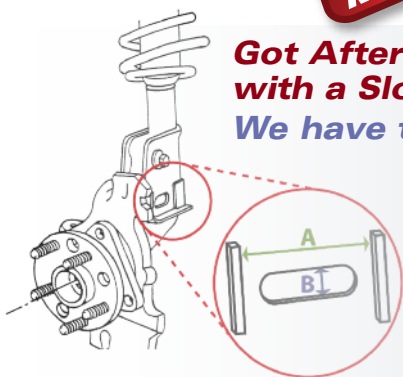
**Got Aftermarket Struts
with a Slotted Hole?
We have the answer!**

Our 83170 (page 111)
fits many aftermarket
slotted struts.

It is easy to find out if
the 83170 camber kit
will fit your aftermar-
ket 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**



**EZ Cam EZ Sizer Magnet
#20503 (pg 177)**

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!

80199- 81099

Truck Axle Shims

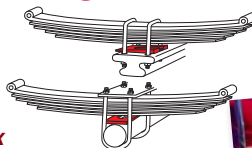
ZINC CASTER/PINION SHIMS

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**



Breakaway

For additional shim widths
see page 120



Do you specialize
in heavy duty
trucks or maintain

a truck
fleet?
Check
out our
complete
Heavy

Duty Truck Section
on pages 131-141.

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

81305

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 B2 • 8,469,375

Front Adjustment range:

Camber $\pm 1.75^\circ$

Installation time: .4 hr/side

Required: 1 per axle

APPLICATIONS

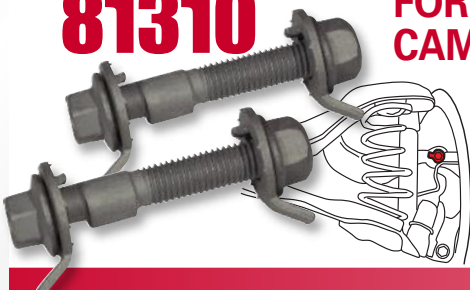
Scion: 2013 - 16 FR-S

Subaru: All Except Justy

Toyota: 2017 & Up 86

81310

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 B2 • 8,469,375

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



81320

FORD FOCUS FRONT CAMBER/CASTER KIT



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

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



81335

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.



Rear Adjustment range:

Camber $\pm 3.00^\circ$

Installation time: 1.0 hr/side

Required: 1 per wheel

APPLICATIONS

Audi: 2006 - 17 A3; 2015 - 17 Q3
2008 - 13 TT

Volkswagen: 2011 - 17 Beetle
w/multi link susp.

2009 - 16 CC; 2007 - 13 EOS

2010 - 14 Golf; 2008 Golf R32

2006 - 17 GTI; 2005 - 17 GLI

2005 - 17 Jetta w/multi link susp.

2006 - 10 Passat

2006 - 09 Rabbit

2009 - 17 Tiguan

NEW

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)

Parts

VW/AUDI FRONT CAMBER/CASTER KIT 81340

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.



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 - 17 A4/RS4/S4
2012 - 17 A6/RS6/S6/
Allroad
2009 - 16 A5/S5
2012 - 17 A7/S7
2009 - 17 Q5
2013 - 17 SQ5

81371, 81372, 81373 & 81378*

APPLICATIONS

Audi: 2005 - 11 A6/S6
2004 - 10 A8/S8

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



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.

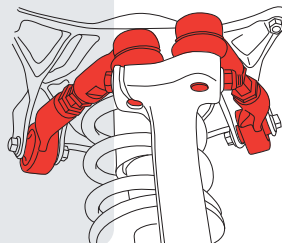


SPC Arms Feature:

- 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



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.

81353

AXLE

81351 81352

LEFT SIDE RIGHT SIDE

81363

AXLE

81361 81362

LEFT SIDE RIGHT SIDE

81373

AXLE

81371 81372

LEFT SIDE RIGHT SIDE

81358

AXLE

81368

AXLE

81378

AXLE



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing

Tools

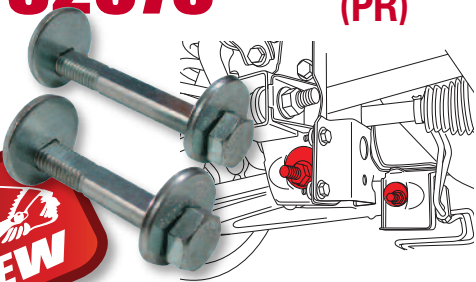
Accessories

Brake and CV

Gear/Index

82070

SOLSTICE/SKY CAM BOLTS (PR)



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.

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

82080 82085

GM REAR CAMBER & TOE BOLTS

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.

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

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

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

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

82080 & 82085 APPLICATIONS

WITHOUT HIPER STRUT SUSPENSION

Buick: 2010 Allure; 2010 - 16 LaCrosse
2011 & Up Regal

82090

AWD OR FWD WITH HIPER STRUT

Rear Adjustment range:

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

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

APPLICATIONS

Buick: 2010 Allure
2010 - 16 LaCrosse
2011 & Up Regal

Cadillac: 2013 & Up XTS



45938 - D-Bolt Socket for OE Bolt, pg 159

82100

GM REAR CAMBER/TOE BOLTS (PR)

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).

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



85130 - Rotary File Set, pg 165

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

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

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

APPLICATIONS

See application charts, pages 7-60 for years.

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

GM CAMBER KIT (PR) 82110

This cam bolt kit changes camber up to 2.5° positive or negative.



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

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

APPLICATIONS

See application charts, pages 7-60 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

CAMBER KIT (PR) 82120

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.

85130 - Rotary File Set, pg 165



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

Installation time: .3 hr/side

Required: 1 per wheel

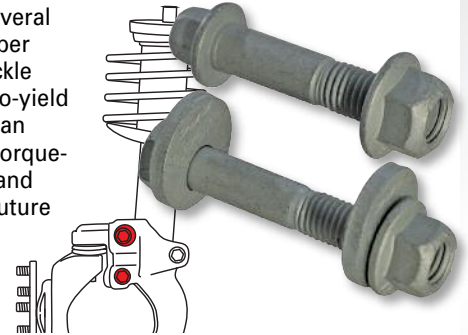
APPLICATIONS with HiPer Strut

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

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

GM HIPER STRUT FRONT CAM BOLT SET (PR) 82130

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.



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

Installation time: .5 hr/side

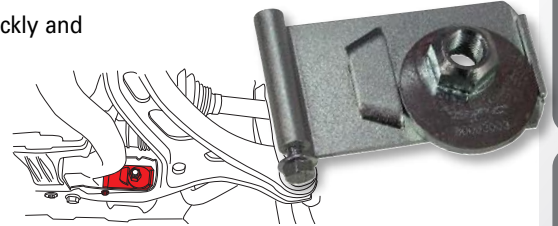
Required: 1 per wheel

APPLICATIONS

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

DODGE/JEEP FRONT CAM./CAS. ADJUSTING KIT 82360

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

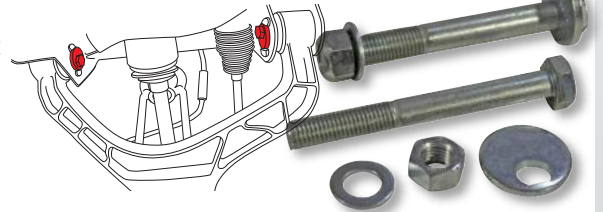
Required: 1 per wheel

APPLICATIONS

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

JEEP FRONT CAMBER/CASTER ADJ. KIT (PR) 82365

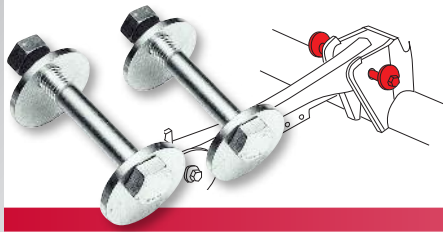
Replace OE cams on the lower control arm of the 2002 to 2007 Jeep Liberty with this kit. Get the $\pm 1.5^\circ$ camber/caster change that you need and lock it in with this simple R & R piece.



Parts

82370

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 (p/n 82370).



64225 - Angle Gauge, pg 159

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)

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

82380 82390

JEEP CASTER/PINION ANGLE ADJUSTERS



Check out our JK Suspension Arms on page 63

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 67) for additional caster adjustment and to adjust camber.

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 & Up Wrangler (JK)



74910 - Punch, pg 163

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 (pr). 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 - 13 2500 Ram
2000 - 12 3500 Ram
2006 - 08 1500 Ram Mega Cab
Dodge RWD: 2000 - 12 3500 Ram with mono beam

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

APPLICATIONS

Ram 4WD:
2014 - 16 2500; 2013 - 16 3500
Ram RWD:
2013 - 16 3500 with mono beam

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

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

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.



82400

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

Installation time: .4 hr/axle

Required: 1 per wheel

APPLICATIONS

Dodge/Ram RWD/4WD:
2006 - 16 Ram 1500
Except Mega Cab
Ram RWD/4WD: 2011 - 16 1500

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 69).



82420

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

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

APPLICATIONS

See application charts, pages 7-60 for years.

BMW: 1963 - 88 Vehicles w/14mm bolt

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

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



73010 - Punch,
pg 161

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

CAM KIT (PR)

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.



83115

Installation time: .4 hr/side Req.: 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)

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



83160

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

Installation time: .4 hr/side Req.: 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 105.

FRONT CAMBER KIT (PR)

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 165



83170

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

83180 83185

MAZDA MIATA MX-5 CAMBER/CASTER ADJUSTING KIT (PR)

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.



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)

83710

CHEVY/GMC CASTER/ CAMBER ADJ. KIT (PR)

The 83710 is an OE replacement cam/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.



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

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 118).



74910 - Punch, pg 163

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

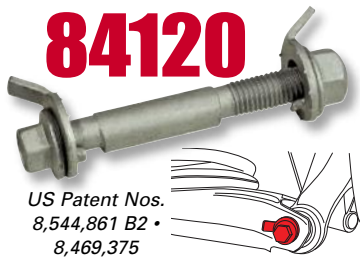
1992 - 99 Suburban; 1995 - 99 Tahoe

RWD: 1996 - 02 Express/Savana Van

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 B2 •
8,469,375

Rear Adjustment range:
Camber $\pm .75^\circ$

Installation time: .4 hr/axle

Required: 1 per wheel

APPLICATIONS

Hyundai: 2007 - 09 Entourage

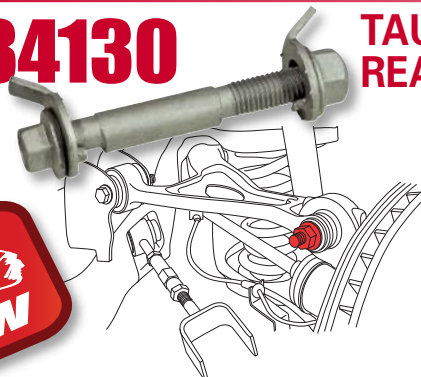
Kia: 2006 & Up Sedona

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 B2 •
8,469,375



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

Front Adjustment range:
Caster $-.125^{\circ}$ to $-.25^{\circ}$

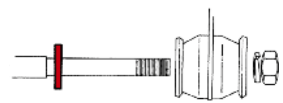
Installation time: .5 hr/side

Required: 1 spacer per wheel

APPLICATIONS
Acura: 1997 -99 CL; 1996 - 03 TL
 1992 - 94 Vigor
Honda: 1990 - 02 Accord
 1995 - 98 Odyssey

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
84695



Rear Adjustment range:
Toe $\pm 1.00^{\circ}$

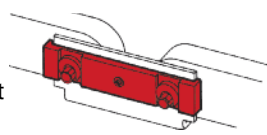
Installation time: .5 hr/axle

Required: 1 per axle

APPLICATIONS
Saturn: 1991 - 02 S-Series

SATURN REAR TOE KIT

The **85600** kit of two cam bolts replaces the inner mounting bolts on the rear parallel arms. This allows adjustments on rear toe up to $\pm 1^{\circ}$. No grinding on the trailing arm bracket is required.



85600



Front Adjustment range:
Caster $-.125^{\circ}$ to $-.250^{\circ}$

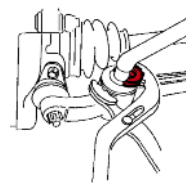
Installation time: .2 hr/side

Required: 1 spacer per wheel

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

TOYOTA CASTER SPACERS

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



85690
85695



Front Adjustment range:
Camber $\pm .75^{\circ}$ /Caster $\pm 1.25^{\circ}$

Installation time: .4 hr/side

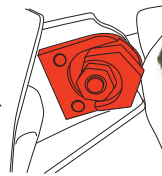
Required: 1 per axle

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



EXPLORER/MOUNTAINEER FRONT CAM./CAS. / KIT

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.



86140



Rear Adjustment range:
Camber $\pm .50^{\circ}$

Installation time: .2 hr/side

Required: 1 per axle

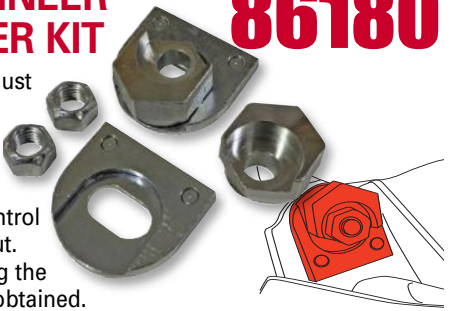
APPLICATIONS
Ford: 2002 - 05 Explorer
Lincoln: 2003 - 05 Aviator
Mercury: 2002 - 05 Mountaineer

EXPLORER/MOUNTAINEER REAR CAMBER KIT

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.



86180



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.

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

Parts

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

86250

FORD ADJUSTABLE CAM NUT/ BRACKET (PR)



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: .3 hr/side

Required: 1 per wheel



APPLICATIONS

Ford RWD/4WD:
2007 & Up Expedition
2004 & Up F150
2010 - 14 Raptor
Lincoln:
2006 - 09 Mark LT
2007 & Up Navigator

86252

RAPTOR & F150 HD CAM FRONT CAM/CAS KIT (PR)



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.

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 & Up Expedition
2004 & Up F150
2010 - 14 Raptor
Lincoln:
2006 - 09 Mark LT
2007 & Up Navigator

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 Req.: 1 per axle

APPLICATIONS

Ford: 2004 - 14 F150



64225 - Angle Gauge, pg 159

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.

Replacement Pins #86325, 86326 - next page

Upper Arm Installation Lower Arm Installation

Locks in OE adjustment

Installation time: .3 hr/side Req.: 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

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 & 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

86326 APPLICATIONS

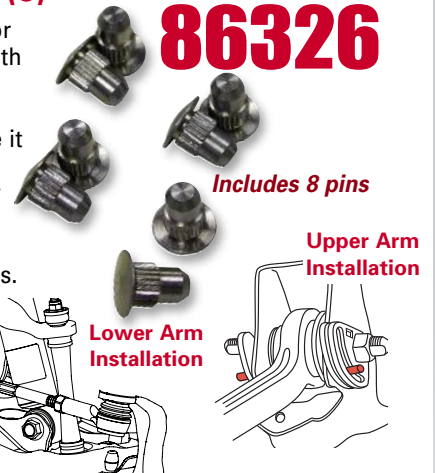
Upper Arm: **Chevrolet/GMC RWD/4WD:** 2011 & Up 2500HD, 3500HD

Lower Arm: **Chevrolet RWD/4WD:** 2015 & Up Colorado
GMC RWD/4WD: 2015 & Up Canyon

GM ALIGNMENT PINS (8)

86325 86326

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

Installation time: .8 hr/side Req.: 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 161**

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)

86360

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 - Above



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)

86370

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.



Replacement Pins #86325 - Above

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

86375 86376

GM REPLACEMENT FRONT ALIGNMENT PLATE AND CAM (PR)

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. Fast, simple installation. For additional change for the 1/2, 3/4 and 1 ton vehicles see our bushings **86330 & 86350** (page 115) or our adjustable ball joint **23960** (page 69).

Replacement Pins #86325 & #86326 - page 115



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

GMC RWD/4WD: 2015 & Up Canyon

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 your arm in to get your 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:

1999 - 06 Escalade
2002 - 06 Escalade EXT

Chevrolet/GMC RWD/4WD:

2002 - 06 Avalanche 1500
1999 - 06 Silverado1500
2002 - 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 (above), #86325 replacement alignment pins (pg. 115) and #86320 alignment locking plates (pg. 114).

86640

FRONT CAMBER/CASTER EXPEDITION KIT

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

 **83820 - Adjusting Wrench, pg 165**

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

Applications

Alignment Parts

Heavy Duty

Replacement

Racing/Build

Tools

Accessories

Brake and CV

Gear/Index

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.



Installation time: .4 hr/side

Required: 1 per axle

APPLICATIONS

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

RESILIENT RADIUS ARM TENSIONERS (PR)

87270

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



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

Installation time: .7 hr/side Req.: 1 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

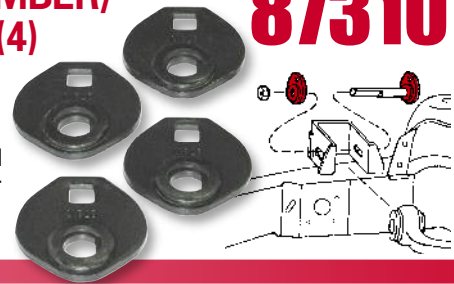
APPLICATIONS

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 155
 87320 - Bushing Adj. Tool, pg 166

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.



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

TAURUS/SABLE WAGON REAR CAMBER KIT (PR)

87350

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 165



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

Parts

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)

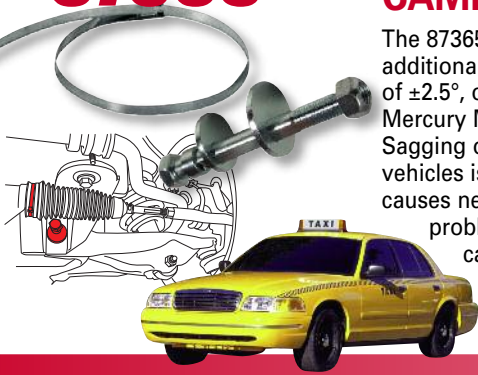
Installation time: .8 hr/side

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 165**
02099 - Boot Clamp, pg 174



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° .

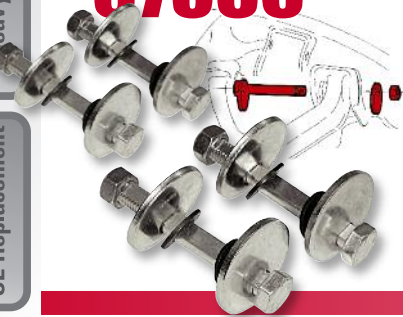
Front Adjustment range:
Camber $\pm 2.00^\circ$ /Caster $\pm 2.00^\circ$

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 112).

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

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

APPLICATIONS

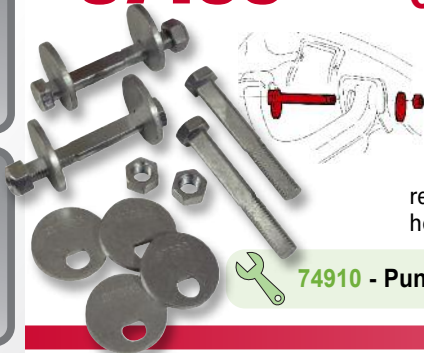
Cadillac/Chevrolet/GMC


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



 **74910 - Punch, pg 163**

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 & Up Equinox; 2005 & Up Terrain

Pontiac: 2006 - 09 Torrent

Saturn: 2006 - 09 Vue

Suzuki: 2007 - 11 XL-7



87430

CHEVY CAMARO/PONTIAC G8 ADJ. REAR CAM (PR)

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!

Rear Adjustment range:
Camber $\pm 1.00^\circ$ Toe $\pm 2.00^\circ$

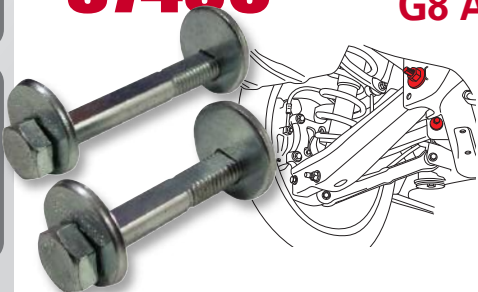
Installation time: .6 hr/side

Required: 1 per wheel

APPLICATIONS

Chevrolet: 2010 - 15 Camaro
2011 & Up Caprice PPV
2014 & Up SS

Pontiac: 2008 - 09 G8



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

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



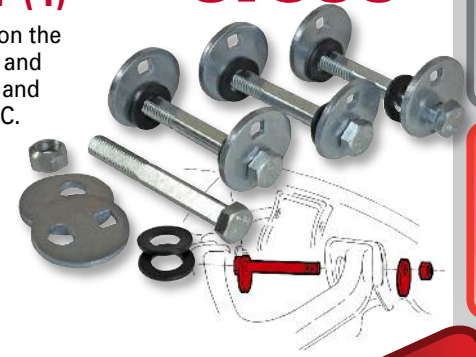
APPLICATIONS

Ford RWD/4WD: 1995 - 01 Explorer
2001 - 05 Explorer Sport Trac
1998 - 12 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 72) 1° camber shim to get change beyond what the 87500 gives you.



Applications

Alignment Parts

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

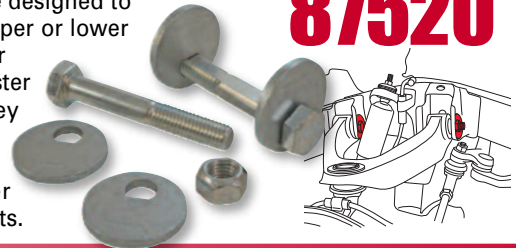
Infiniti RWD/4WD: 2004 - 14 QX56; 2014 & Up QX80
Nissan RWD/4WD: 2004 - 15 Armada, Titan
2005 & Up Frontier; 2005 - 15 Xterra; 2005 - 12 Pathfinder
Suzuki RWD/4WD: 2009 -12 Equator

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 bolts.



Heavy Duty

OE Replacement

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.



Racing/Builders

Tools

Front Adj. range: Camber $\pm 1.00^\circ$ /Caster $\pm 2.00^\circ$
Installation time: .4 hr/side Req.: 1 per axle

APPLICATIONS

87540 Ford: 2002 - 06 Thunderbird
87545 Jaguar: 2000 - 02 S-Type
Lincoln: 2000 - 06 LS

Replacement rear lower control arm joint kits are available for these vehicles - see page 145

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.



Accessories

Front Adj. range: **88901** Cam./Cas. $\pm 1.20^\circ$
88902 Cam./Cas. $\pm 1.50^\circ$
88903 Cam./Cas. $\pm 1.80^\circ$
88904 Cam./Cas. $\pm 2.20^\circ$
88905 Cam./Cas. $\pm 1.00^\circ$

Installation time: 1.4 hr/side Req.: 1 per wheel

88901 - 88904 APPLICATIONS

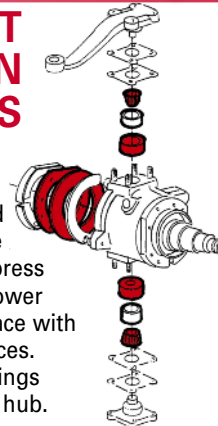
Toyota 4WD: 1965 - 90 Landcruiser 40, 60, 70 Series
1984 - 85 4Runner; 1979 - 85 Pickup

88905 APPLICATIONS *No spacer plates.*

Suzuki 4WD: 1986 - 96 Samurai

OFFSET TRUNNION BEARINGS

These bearing sets correct camber and caster on older solid axles. Dismantle the hub assembly and press out the upper and lower bearing races. Replace with the correct offset races. Install the new bearings and reassemble the hub.



88901 88902 88903 88904 88905

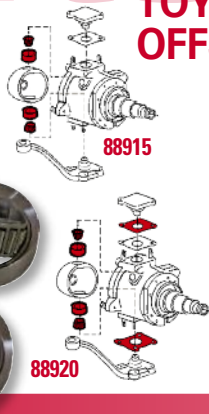
Brake and CV

Gear/Index

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

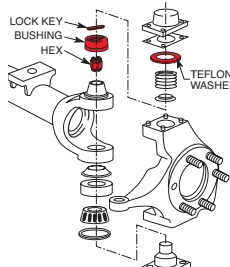
Required: 1 per wheel

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: 1975 - 93 W300/350

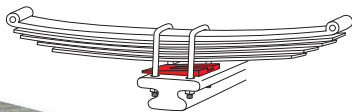
Ford: 1974 - 79 F250; 1974 - 91 F350

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 131-141.

For additional shim widths see page 106

Double Breakaway

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



89675

CONTOUR/COUGAR FRONT CAMBER/CASTER KIT

Now you can bring the front camber and caster back into specs with this adjustable strut mount. Simply replace the original upper strut mount with the 89675 and rotate the adjustable plate to bring your alignment back to OE specs. Future adjustments can be made without removing the strut.

Front Adjustment range:

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

Installation time: 1.2 hr/side

Required: 1 per wheel

APPLICATIONS

Ford: 1995 - 00 Contour

Mercury: 1999 - 02 Cougar

1995 - 00 Mystique





Parts

SPC Knows Muscle

Bring modern handling and adjustability to your classic muscle car. By replacing your front upper and lower control arms and adding high performance springs you can once again enjoy driving your muscle car.



Mustang II Suspensions

With both Adjustable Upper Control Arms and Tubular Lower Control Arms SPC Performance will meet your Mustang II Street Rod needs. You can easily adjust the upper arms for maximum handling and minimized tire wear. Arms include everything needed for your custom chassis including ball joints. The upper arms are adjustable and can dial in camber and caster $\pm 3.0^\circ$. *Additional welding required on lower control arms.*



Part #	Description
93000	Mustang II LCA for Coilover Suspension - LEFT
93010	Mustang II LCA for Coilover Suspension - RIGHT
93040	Mustang II LCA for Stock Style Suspension - LEFT
93050	Mustang II LCA for Stock Style Suspension - RIGHT
94000	Mustang II Adj. UCA for Coilover Suspension - L or R
94800	Mustang II Adj. UCA for Stock OR Air Ride Susp. - L or R

Coilover

93000 Left Lower
93010 Right Lower



94000 Upper - Left or Right

Stock/Air Ride

93040 Left Lower
93050 Right Lower



94800 Upper - Left or Right

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.

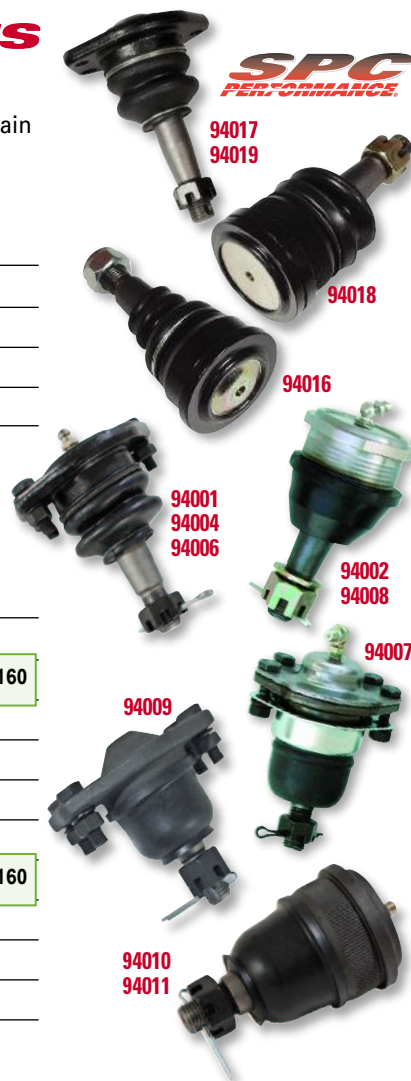
Ideal for the ultimate in handling performance.

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  68880 - Socket pg 160
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
94008	Lower Chrysler Screw-In Ball Joint  68880 - Socket pg 160
94009	Upper Ford Mustang Ball Joint
94010	Lower A & F Body Ball Joint
94011	Lower G & 2nd Gen F Body Ball Joint



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

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.

Replacement Ball Joint
Available #94009 pg. 121

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



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Coar/Index

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. 121

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: Pablo Sanchez

This Phoenix car received a complete refresh from Phil Mullaly and was our featured car at SEMA in 2015. In 1997 Pablo purchased this 1965 fastback when he was in the Air Force.

"I really like the way the front end feels with the new arms. The fact that they are adjustable made final alignment much easier and the performance is solid. The car tracks great down the highway and handles much better than stock."



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.

'A' BODY

Buick: GS, Skylark Special

Chevrolet:

Chevelle
El Camino,
Malibu
Monte Carlo

Oldsmobile:
442, Cutlass

Pontiac: GTO,
LeMans, Tempest

ADJUSTABLE UPPER CONTROL ARMS

SPC Performance offers fully adjustable, upper control arms to adjust your front end and meet your exact needs. These arms provide quick and easy adjustment for standard or lowered heights with a camber and caster range of $\pm 3.0^\circ$. Fine tune your handling and alignment while minimizing tire wear. Perfect for Pro Touring as well as track or street use. **Sold as individual arms see page 124.**

94320 Right or Left
Stock Height/Lowered vehicles
Tall/Aftermarket Spindles



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 125-127.**

94344



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 126.**

Set of 4 Springs Front and Rear



1ST GEN. 'F' BODY

Buick: Apollo

Chevrolet: Camaro Nova

Pontiac: Firebird



94305 Right or Left
Stock Height/Lowered vehicles
Tall/Aftermarket Spindles



94374



Set of 2 Springs Front only



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

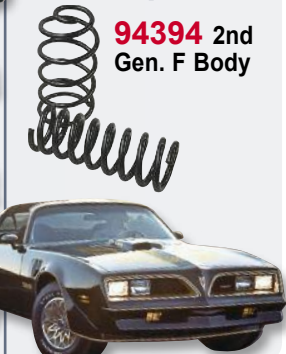
94340 Right or Left
Stock Height/Lowered vehicles
Tall/Aftermarket Spindles



94378
2.5° positive caster



Set of 2 Springs Front only



'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

Lowered vehicles and Tall/Aftermarket Spindles

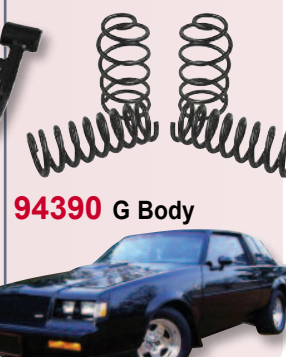
94332 Right or Left
Includes a flat midsize plate, adjustable sleeves, OE style (minimal deflection) pivots.



95336



Set of 4 Springs Front and Rear



Parts

SPC
PERFORMANCE

GM Muscle Car Adjustable Upper Control Arms

Better Components

SPC Performance offers fully adjustable, rugged upper control arms to adjust your front end and meet your exact needs. These arms provide quick and easy adjustment for standard or lowered heights. Fine tune your handling and alignment while minimizing tire wear. Perfect for Pro Touring as well as track or street use. **Sold as individual arms.**



New, upgraded threaded chromoly cross shafts accept both our standard OE style pivots or our Premium Pivots



Optional Premium Low-Friction Offset Pivots with Greaseable Delrin Sleeves are available for all our GM Muscle Car Arms - Optimizing your suspension with race-type quality. Part No. 92025



Optional Premium Extended Length Ball Joint #94017 & #94019 (page 121) • Standard Ball Joint #94001 & #94006 (page 121)

'A' BODY



Ext. Range Ball Joint #94019
Stock Ball Joint #94001
Page 121

94320 Right or Left Stock Height Lowered vehicles Tall/Aftermarket Spindles

Includes a flat midsize plate, adjustable sleeves, OE style (minimal deflection) pivots and #94304 spacer Plates.



Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Req.: 1 per wheel

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

Lower Arms page 125, Pro Springs page 126

1ST GENERATION 'F' BODY



Ext. Range Ball Joint #94019
Stock Ball Joint #94001
Page 121

94305 Right or Left Stock Height Lowered vehicles Tall/Aftermarket Spindles

Includes a flat midsize plate, adjustable sleeves, OE style (minimal deflection) pivots.



Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Req.: 1 per wheel

APPLICATIONS

Buick: 1973 - 74 Apollo
Chevrolet: 1967 - 69 Camaro; 1968 - 74 Nova
Pontiac: 1967 - 69 Firebird

Lower Arms page 126, Pro Springs page 126

2ND GENERATION 'F' BODY, 'B' BODY



Ext. Range Ball Joint #94017
Stock Ball Joint #94006
Page 121

94340 Right or Left Stock Height Lowered vehicles Tall/Aftermarket Spindles

Includes a flat midsize plate, adjustable sleeves, OE style (minimal deflection) pivots.



Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Req.: 1 per wheel

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



Ext. Range Ball Joint #94017
Stock Ball Joint #94006
Page 121

94332 Right or Left Lowered vehicles and Tall/Aftermarket Spindles

Includes a flat midsize plate, adjustable sleeves, OE style (minimal deflection) pivots.

94330 Right Stock Height
94331 Left

Includes a 20° midsize plate, adjustable sleeves, #94304 spacer kit (page 111), OE style (minimal deflection) pivots.

Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Req.: 1 per wheel

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

Lower Arms page 127, Pro Springs page 126

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

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 Req.: 1 per axle

Pro Springs #94391/94392 (pg. 125)

Coilover Mount/Spacer Kit #94346/94348 (pg. 126)

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 121

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 127).



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
Tri-5 (1955-57) <i>Inc. Ball Joint - for vehicles lowered 2" or more</i>	94350	Street R & L
Belair, Biscayne, Caprice Impala (1958-64) El Camino (1958-63)	94355	Street R & L
Belair, Biscayne, Caprice Impala (1965-70) <i>Inc. Ball Joint</i>	94356	Street R & L
C2/C3 (1963-82)	94360	Street R & L
C2/C3 (1963-82)	92740	Race R & L
C4 (1984-87)	94368	Street - Right
C4 (1984-87)	94369	Street - Left
C4 (1984-87)	92748	Race - Right
C4 (1984-87)	92749	Race - Left
C4 (1988-96)	94370	Street - Right
C4 (1988-96)	94371	Street - Left
C4 (1988-96)	92750	Race - Right
C4 (1988-96)	92751	Race - Left



Corvette & GM 'Tri-5' Adjustable Upper Control Arms

Adjust camber and caster for maximum handling and performance with our adjustable arms for Corvettes, Impalas and 'Tri-5' Bodies. 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

'Tri-5'/ Impala Arm

Tri-5 arms are designed for vehicles which have been lowered 2" or more

#94350 and #94356 Arms include a 94019 Ball Joint

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 121)
#94350 & #94360 uses #94003
#94368/69 and #94370/71 uses #94007



Optional #94304, #94306 Spacer Kits (above)

Featured Owner: Bob Harrell

Bob's truck is a '49 Ford F-1 and has been in his family since 1957. A 10-year-old restoration at this point, about 7 years ago Bob went to air ride with SPC Mustang II arms. However, always a work in progress, a couple of years ago Bob switched from air suspension to coilovers. "The nice thing was that I didn't have to change the arms when changing over from air suspension. It rides great and tracks very nicely down the road."



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessory

Brake and CV

Gear/Index

Parts

94374

1ST GEN. GM 'F' LOWER ARMS (PR)

SPC
PERFORMANCE



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 127).

Installation time: 1.2 hr/side

Required: 1 per axle



APPLICATIONS

Pro Springs #94393 (below)
Coilover Mount/Spacer Kit #94346/94348 (pg. 127)
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)

SPC
PERFORMANCE



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 127).**

Installation time: 1.2 hr/side

Required: 1 per axle



APPLICATIONS

Pro Springs #94394 (below)
Coilover Mount/Spacer Kit #95332/95338 (pg. 127)
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; 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 - 81 Bonneville; 1970 - 81 Firebird
1973 - 75 Grand Am; 1973 - 77 Grand Prix, LeMans

94390

94391

94392

94393

94394

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 127).

Make	Model (Springs rated for small block only)	Spring Rate	Pro Springs	Ride Height Spacers
'A' Body - Set of 4 Springs - Front and Rear				
Buick	GS, Skylark, Special (64-67)	550/166	94391	94332/95338
Buick	GS, Skylark, Special (68-72)	550/112-188	94392	94332/95338
Chevrolet	Chevelle, El Camino, Malibu (64-67)	550/166	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)	550/166	94391	94332/95338
Oldsmobile	442, Cutlass, Cutlass Supreme (68-72)	550/112-188	94392	94332/95338
Pontiac	GTO, LeMans, Tempest (64-67)	550/166	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



94391
pictured

SPC
PERFORMANCE

*Drop amount may vary depending on vehicle weight, options, etc.)

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

Front Adj. range: Camber $\pm 3.00^\circ$ Caster $\pm 3.00^\circ$

Installation time: .7 hr/side Req.: 1 per wheel

APPLICATIONS

'B' & 'E' 94450 RIGHT 94451 LEFT

Dodge: 1962 - 64 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

'A' 94460 RIGHT
94461 LEFT

Dodge: 1973 - 76 Dart
Plymouth: 1973 - 75 Valiant

MOPAR 'A', 'B' & 'E' BODY ADJ. CONTROL ARM

These fully adjustable Upper Control Arms transform your classic Mopar from sluggish, non-responsive handling to high performance FUN! Dial in additional positive caster, adjust your camber, and enjoy the feel of up to 6 degrees adjustment! Arms include stock ball joints. Sold as individual arms. Ball joint is included.

Right

94450

Left

94451

Right

94460

Left

94461



Front Fixed Change:
Caster +1.00°

Installation time: 1.2 hr/side

Required: 1 per axle

Pro Springs #94390 (pg. 126)
Coilover Mount/Spacer Kit #95332/95338 (below)
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 121

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 'G' Body LCAs with a urethane spring seat (see below)

APPLICATIONS

'A' Bodies & 1st Gen. 'F' Bodies

94348 2 Spacers

94346 4 Spacers

2nd Gen. 'F' Bodies & 'G' Bodies

95338 2 Spacers

95332 4 Spacers

Have a special build? Check out our 'build your own' adjustable front upper control arms on page 146. SPC can custom craft an upper control arm to meet your specifications.



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



GM REPLACEMENT BUMP STOP

OE cone style to replace worn bump stops.



SPC PERFORMANCE

95339

Spring Spacers

21020



FORD F-SERIES TRUCK FRONT COIL SPRING BOLT

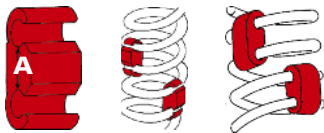
When installing coil spring spacers on many older Ford RWD and some 4WD trucks with Twin I-Beam suspensions, often times the existing spring retainer bolts are not long enough. This 3/4" diameter replacement bolt is 10 inches long, long enough to provide plenty of bolt length to allow installation of the spring retaining nut. This kit provides both the bolt and nut.

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.



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.

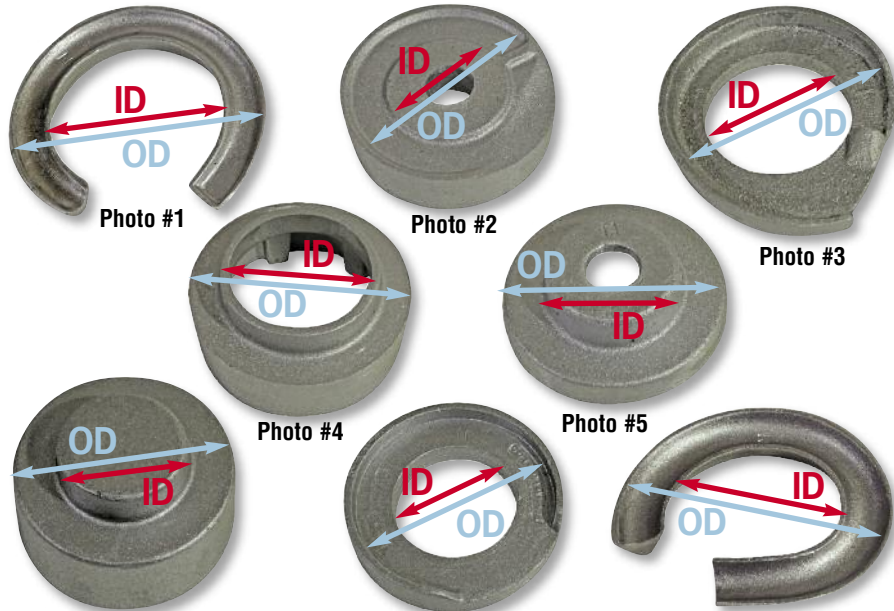
STABILIZER NO.	HEIGHT ("A")
24650	5/8"
24700	7/8"
24701	7/8" - Short Nose
24960	1"
24970	1-1/4"
24800	1-1/2"
24850	1-3/4"
24900	2"
24950	2-1/2"

Coil Spring Spacers

PROPER ALIGNMENT REQUIRES CORRECT SPRING HEIGHT

Ride height can greatly affect alignment angles. Coil spring spacers can restore vehicle trim height and correct ride height issues associated with sagging springs and/or suspension modifications. Coil spring spacers allow shock absorbers and struts to operate through their normal range for longer life. Correct ride height will also improve vehicle ride, stability and appearance. Spacers are aluminum and include one per package.

NOTE: When installed on front Short/Long Arm suspensions the vehicle height will usually be raised 2-1/2 to 3 times spacer thickness. On rear coil spring systems the vehicle height will usually be raised 1-1/4 to 1-1/2 times spacer thickness.



Part #	Thickness	OD	ID	Photo #	Part #	Thickness	OD	ID	Photo #
1102	3/8"	5"	3-1/2"	1	1622	1"	3-1/2"	2"	6
1103	1/2"	5"	3-1/2"	1	1627	1"	3-1/2"	2-1/4"	6
1104	5/8"	5"	3-1/2"	1	1628	1-1/2"	3-1/2"	2-1/4"	6
1105	3/4"	5"	3-1/2"	1	1702	3/8"	5-3/8"	3-3/4"	1
1106	1"	5"	3-1/2"	1	1703	1/2"	5-3/8"	3-3/4"	1
1303	1/2"	4-1/2"	2-7/8"	1	1704	5/8"	5-3/8"	3-3/4"	1
1502	3/8"	5"	3-1/2"	1	1705	3/4"	5-3/8"	3-3/4"	1
1503	1/2"	5"	3-1/2"	1	1706	1"	5-3/8"	3-3/4"	1
1504	5/8"	5"	3-1/2"	1	1714	1/2"	5-1/4"	3-1/2"	8
1505	3/4"	5"	3-1/2"	1	1716	3/4"	5-1/4"	3-1/2"	8
1506	1"	5"	3-1/2"	1	1718	1"	5-1/4"	3-1/2"	8
1512	3/8"	5-1/4"	3-5/8"	1	1724	1/2"	5-1/2"	3-1/2"	8
1513	1/2"	5-1/4"	3-5/8"	1	1726	3/4"	5-1/2"	3-1/2"	8
1514	5/8"	5-1/4"	3-5/8"	1	1728	1"	5-1/2"	3-1/2"	8
1515	3/4"	5-1/4"	3-5/8"	1	1818	3/4"	3"	1-3/8"	5
1516	1"	5-1/4"	3-5/8"	1	1819	1"	3"	1-3/8"	5
1602	1"	3-3/4"	2-1/2"	2	1903	1/2"	5-7/8"	4-1/8"	1
1603	1-1/2"	3-3/4"	2-1/2"	2	1905	3/4"	5-7/8"	4-1/8"	1
1614	1/2"	5-1/8"	3-3/4"	3	1906	1"	5-7/8"	4-1/8"	1
1615	1"	4-1/2"	3-1/4"	4	2006	3/8"	5-1/8"	4"	4
1616	1-1/2"	4-1/2"	3-1/4"	4	2007	1/2"	5-1/8"	4"	4
1617	1/2"	3-1/2"	2"	5	2008	5/8"	5-1/8"	4"	4
1618	3/4"	3-1/2"	2"	5	2009	3/4"	5-1/8"	4"	4
1619	1"	3-1/2"	2"	5	2012	3/4"	4-3/4"	3-5/8"	4
1620	1-1/2"	3-1/2"	2"	6	2013	1"	4-3/4"	3-5/8"	4
1621	1/2"	4"	2-1/2"	7					

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

Spring Spacers

Coil Spring Spacers

Model	Top or Year	Bottom	Front					Rear		
			3/8"	1/2"	5/8"	3/4"	1"	1/2"	1"	1-1/2"
AMC										
Ambassador	67-74	B						1621	1622	1620
	71-74	T	1502	1503	1504	1505	1506			
American	64-69	T				2012	2013			
Eagle	80-87	T	1502	1503	1504	1505	1506			
Gremlin/Spirit	71-83	T	1502	1503	1504	1505	1506			
Hornet/Concord	72-83	T	1502	1503	1504	1505	1506			
Javelin	68-70	T				2012	2013			
	71-74	T	1502	1503	1504	1505	1506			
Matador	67-78	B	1502	1503	1504	1505	1506			
	72-78	B						1621	1622	1620
Pacer	75-80	B	1702	1703	1704	1705	1706			

BUICK										
Model	Top or Year	Bottom	Front					Rear		
			3/8"	1/2"	5/8"	3/4"	1"	1/2"	1"	1-1/2"
BUICK										
Apollo	73-74	B	1102	1103	1104	1105	1106			
	75	B	1702	1703	1704	1705	1706			
Centurion	71-73	B	1702	1703	1704	1705	1706			
	71-73	Tor B						1621	1622	1620
Century RWD	73-76	Tor B						1621	1622	1620
	73-81	B	1702	1703	1704	1705	1706			
	77-81	Tor B						1621	1622	1628
Century FWD	82-96	B	1102	1103	1104	1105	1106			
	82-96	T						1621	1622	1628
Electra/LeSabre	39-64	B						1602	1603	
	39-84	B	1702	1703	1704	1705	1706			
	54-64	T	2006	2007						
	65-76	Tor B						1621	1622	1620
	77-84	Tor B						1621	1622	1628
Station Wagon Only	79-89	Tor B						1621	1622	1628
	84-94	B	2008					2009-3/4		
Special	64-66	B						1602	1603	
Skylark/Somerset	64-72	Tor B	1102	1103	1104	1105	1106			
	67-72	Tor B						1621	1622	1620
	75-79	B	1702	1703	1704	1705	1706			
	80-85	B	1102	1103	1104	1105	1106			
	80-85	T						1621	1622	1628
	86-90	B		1303				1621	1622	1628
	91-92	B		1303				1621		
Regal RWD	73-76	Tor B						1621	1622	1620
	73-87	B	1702	1703	1704	1705	1706			
	77-87	Tor B						1621	1622	1628
Riviera	79-85	T	2008					2009-3/4		
Roadmaster	91-96	B	1702	1703	1704	1705	1706			
	91-96	T						1621	1622	1628
Skyhawk RWD	75-80	B	1102	1103	1104	1105	1106			
	75-80	B						1621	1622	1628
Skyhawk FWD	82-89	T						1621	1622	1628
	83-88	B		1303				1621	1622	1628
Skylark RWD	64-66	B						1601	1602	1603
	64-72	T	1102	1103	1104	1105	1106			
	67-72	Tor B						1621	1622	1620
	75-79	B	1702	1703	1704	1705	1706			
Skylark FWD	80-85	T	1102	1103	1104	1105	1106			
	80-94	T						1621	1622	1628
	86-96	B		1303				1621	1622	1628
	95-96	T	2008					2009-3/4		
Special RWD	64-66	B						1602	1603	
	64-69	B	1102	1103	1104	1105	1106			

CADILLAC										
Model	Top or Year	Bottom	Front					Rear		
			3/8"	1/2"	5/8"	3/4"	1"	1/2"	1"	1-1/2"
CADILLAC										
Allante	87-88	B	1702	1703	1704	1705	1706			
Brougham	79-92	B	1702	1703	1704	1705	1706			
	79-92	Tor B						1621	1622	1628
Calais	65-76	B	1702	1703	1704	1705	1706			
	65-76	T						1621	1622	1620
Cimarron	82-86	B						1621	1622	1628
	83-86	B		1303				1621	1622	1628
Deville RWD	54-71	T	2006	2007						
	64-76	Tor B						1621	1622	1620
	65-84	B	1702	1703	1704	1705	1706			
	77-84	Tor B						1621	1622	1628

Model	Top or Year	Bottom	Front					Rear		
			3/8"	1/2"	5/8"	3/4"	1"	1/2"	1"	1-1/2"
CADILLAC (cont.)										
Deville FWD	85-93	B	2008					2009-3/4		
Eldorado	74-78	Tor B						1621	1622	1628
	79-85	B	2008					2009-3/4		
Fleetwood RWD	54-71	T	2006	2007						
	65-76	Tor B						1621	1622	1620
	65-96	B	1702	1703	1704	1705	1706			
	77-96	Tor B						1621	1622	1628
Fleetwood FWD	86-92	B	2008					2009-3/4		
Seville	76-79	B	1702	1703	1704	1705	1706			

CHEVROLET										
Model	Top or Year	Bottom	Front					Rear		
			3/8"	1/2"	5/8"	3/4"	1"	1/2"	1"	1-1/2"
CHEVROLET										
Beretta	82-94	B		1303				1621	1622	1628
Camaro	67-69	B	1102	1103	1104	1105	1106			
	70-92	B	1702	1703	1704	1705	1706			
	82-97	B						1621	1622	1628
Cavalier	82-94	B						1621	1622	1628
	83-94	B		1303						
Celebrity	82-90	B	1102	1103	1104	1105	1106			
	82-90	T						1621	1622	1628
Chevelle/Malibu	64-66	B						1602	1603	
	64-72	B	1102	1103	1104	1105	1106			
	67-76	Tor B						1621	1622	1620
	73-83	B	1702	1703	1704	1705	1706			
	77-83	Tor B						1621	1622	1628
Chevette	76-87	B		1303				1103	1106	
	76-87	T						2013		
Belair/Caprice/Chevrolet/Impala	55-57	B	1102	1103	1104	1105	1106			
	58-64	Tor B	1502	1503	1504	1505	1506	1503	1506	
	65-70	B	1512	1513	1514	1515	1516			
	65-70	T						1703	1706	
	71-76	Tor B						1621	1622	1620
	71-96	B	1702	1703	1704	1705	1706			
	77-96	Tor B						1621	1622	1628
Chevy II/Nova RWD	62-67	T	1502	1503	1504	1505	1506			
	68-74	B	1102	1103	1104	1105	1106			
	75-79	B	1702	1703	1704	1705	1706			
Citation	80-85	B	1102	1103	1104	1105	1106			
	80-85	T						1621	1622	1620
Corsica	87-94	B						1621	1622	1628
	87-96	B		1303						
	95-96	T	2008					2009-3/4		
Corvette	63-82	B	1702	1703	1704	1705	1706			
Laguna	74-76	B	1702	1703	1704	1705	1706			
	74-76	Tor B						1621	1622	1620
Monte Carlo	70-72	B	1102	1103	1104	1105	1106			
	70-76	Tor B						1621	1622	1620
	73-88	B	1702	1703	1704	1705	1706			
	77-88	Tor B						1621	1622	1628
Monza	75-81	T	1102	1103	1104	1105	1106			
	75-81	B						1621	1622	1628
Nova FWD	85-88	B	1702	1703	1704	1705	1706			
Spectrum	86-89	B	1702	1703	1704	1705	1706			
	86-89	T						1621	1622	1628
Vega	71-74	B	1102	1103	1104	1105	1106			
	71-77	T						1621	1622	1628
	75-77	T	1102	1103	1104	1105	1106			

CHRYSLER										
Model	Top or Year	Bottom	Front					Rear		
			3/8"	1/2"	5/8"	3/4"	1"	1/2"	1"	1-1/2"
CHRYSLER										
Laser	85-87	B						2012-3/4	2013	
LeBaron/GTS	82-94	B								

Spring Spacers

Coil Spring Spacers

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

Model Year	Top or Bottom	3/8"	1/2"	5/8"	3/4"	1"	1 1/2"	1"	1-1/2"
MERCURY (cont.)									
Monarch			2011	2012	2013				
Montego				2012	2013				
68-71	T			1704	1705	1706	1614	1615	1616
72-76	B	1702	1703	1704	1705	1706			
Sable									
86-95	B	1702	1703	1704	1705	1706			
Topaz									
84-90	B	1502	1503	1504	1505	1506	1703	1706	
Zephyr									
78-83	B	1502	1503	1504	1505	1506			
78-83	T						2007		

Model Year	Top or Bottom	3/8"	1/2"	5/8"	3/4"	1"	1 1/2"	1"	1-1/2"
OLDSMOBILE									
88									
55-85	B	1702	1703	1704	1705	1706			
61-63	T						1601	1602	1603
64-76	TorB						1621	1622	1620
65-85	T	2008		2009					
77-85	TorB						1621	1627	1628
86-96	B	2008					2009-3/4		
98									
55-84	B	1702	1703	1704	1705	1706			
64-76	TorB						1621	1622	1620
65-84	T	2008		2009					
77-84	TorB						1621	1627	1628
85-97	B	2008					2009-3/4		
Achieva									
92-94	B						1621		
Calais									
85-91	B	1303					1621	1627	1628
Custom									
74-92	B	1702	1703	1704	1705	1706			
Cruiser									
74-92	TorB						1621	1627	1628
Cutlass/F-85 RWD									
61-66	B						1601	1602	1603
64-72	B	1102	1103	1104	1105	1106			
67-88	TorB						1621	1627	1628
73-88	B	1702	1703	1704	1705	1706			
Cutlass Cierra									
82-96	B	1102	1103	1104	1105	1106			
82-96	T						1621	1627	1628
Firenza									
82-88	B						1621	1627	1628
83-88	B	1303							
Omega									
72-74	B	1102	1103	1104	1105	1106			
75-79	B	1702	1703	1704	1705	1706			
80-84	B	1102	1103	1104	1105	1106			
80-84	T						1621	1627	1628
Starfire									
75-81	T	1102	1103	1104	1105	1106			
75-81	B						1621	1627	1628
Toronado									
71-78	TorB						1621	1622	1620
78-85	T	2008					2009-3/4		

Model Year	Top or Bottom	3/8"	1/2"	5/8"	3/4"	1"	1 1/2"	1"	1-1/2"
PLYMOUTH									
Acclaim									
89-95	B								2012-3/4 2013
Champ									
79-82	T						1103	1106	
Reliant									
81-90	B								2012-3/4 2013
Sundance									
87-94	B								2012-3/4 2013
PONTIAC									
6000									
82-91	B	1102	1103	1104	1105	1106			
82-91	T						1621	1627	1628
Astre									
75-81	B	1102	1103	1104	1105	1106	1621	1627	1628
Bonneville RWD									
58-64	TorB						1601	1602	1603
58-81	T	2006	2007						
58-86	B	1702	1703	1704	1705	1706			
67-76	TorB						1621	1622	1620
77-86	TorB						1621	1627	1628
87-97	B	2008					2009-3/4		
Fiero									
84-88	B	1303					1103	1106	
Firebird									
67-69	B	1102	1103	1104	1105	1106			
70-92	B	1702	1703	1704	1705	1706			
82-96	B						1621	1627	1628
Grand Am									
85-97	B	1303					1621	1627	1628
Grand Prix									
62-87	B	1702	1703	1704	1705	1706			
67-87	TorB						1621	1627	1628
Grand Safari Station Wagon									
77-89	B	1702	1703	1704	1705	1706			
77-89	TorB						1621	1627	1628

Model Year	Top or Bottom	3/8"	1/2"	5/8"	3/4"	1"	1 1/2"	1"	1-1/2"
PONTIAC (cont.)									
J 2000									
82-85	B						1621	1627	1628
83-85	B	1303							
Lemans RWD									
64-66	B	1102	1103	1104	1105	1106	1601	1602	1603
64-72	B								
67-76	TorB						1621	1622	1620
73-81	B	1702	1703	1704	1705	1706			
77-81	TorB						1621	1627	1628
Lemans FWD									
88-93	B	1303							
Phoenix									
80-84	B	1702	1703	1704	1705	1706			
80-84	T						1621	1627	1628
Sunbird RWD									
75-81	B	1102	1103	1104	1105	1106	1621	1627	1628
Sunbird FWD									
82-94	B	1303					1621	1627	1628
T 1000									
81-87	B	1303							
81-87	T						1103	1106	
81-87	T						2012-3/4		
81-87	T								2013-1
Ventura									
71-74	B	1102	1103	1104	1105	1106			
75-79	B	1702	1703	1704	1705	1706			

Model Year	Top or Bottom	3/8"	1/2"	5/8"	3/4"	1"	1 1/2"	1"	1-1/2"
PONTIAC (cont.)									
Vans									
Astro Except AWD									
85-89	B	1702	1703	1704	1705	1706			
90-03	B	1903		1905	1906				
G10, 20, 30									
68-03	B	1702	1703	1704	1705	1706			
P30									
68-99	B	1702	1703	1704	1705	1706			
Venture									
97-03	T	1502	1503	1504	1505	1506			
97-03	B						1621	1627	1628

Model Year	Top or Bottom	3/8"	1/2"	5/8"	3/4"	1"	1 1/2"	1"	1-1/2"
VANS									
CHEVROLET									
Astro Except AWD									
85-89	B	1702	1703	1704	1705	1706			
90-03	B	1903		1905	1906				
G10, 20, 30									
68-03	B	1702	1703	1704	1705	1706			
P30									
68-99	B	1702	1703	1704	1705	1706			
Venture									
97-03	T	1502	1503	1504	1505	1506			
97-03	B						1621	1627	1628

Model Year	Top or Bottom	3/8"	1/2"	5/8"	3/4"	1"	1 1/2"	1"	1-1/2"
DODGE									
B100, 150, 200, 250, 300, 350									
71-01	B	1903		1905	1906				
FORD									
Aerostar									
88-97	B	1702	1703	1704	1705	1706		1619	
Aerostar AWD									
91-96	B	1502	1503	1504	1505	1506		1619	
E-100									



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 next page) and an organization chart inside the lid to make reordering and organization of shims quick and easy.



Part No.	Application	Qty	Part No.	Application	Qty
35001	Kenworth Airglide space 1/32"	6	35031	Volvo/White 4-Spring Susp 1/16"	4
35002	Kenworth Airglide space 1/16"	6	35032	Volvo/White 4-Spring Susp 1/8"	6
35003	Kenworth Airglide space 1/8"	6	35040	Navistar IHC Torque Arm 1/32"	2
35004	Kenworth Airglide space 1/4"	6	35041	Navistar IHC Torque Arm 1/16"	4
35005	Kenworth Airglide space 1/2"	6	35042	Navistar IHC Torque Arm 1/8"	6
35006	Kenworth Airglide space 3/4"	6	35060	Freightliner Airliner Susp 1/32"	2
35007	Kenworth Airglide space 1"	6	35061	Freightliner Airliner Susp 1/16"	4
35010	Peterbilt Air Leaf Shim 1/32"	2	35062	Freightliner Airliner Susp 1/8"	6
35011	Peterbilt Air Leaf Shim 1/16"	4	35070	Freightliner Air Glide Susp 1/32"	2
35012	Peterbilt Air Leaf Shim 1/8"	6	35071	Freightliner Air Glide Susp 1/16"	4
35020	Freightliner FAS I Air Ride 1/32"	2	35072	Freightliner Air Glide Susp 1/8"	6
35021	Freightliner FAS I Air Ride 1/16"	4	36010	Peter/KW Flex-Air Torque Arm 1/32"	2
35022	Freightliner FAS I Air Ride 1/8"	6	36011	Peter/KW Flex-Air Torque Arm 1/16"	4
35030	Volvo/White 4-Spring Susp 1/32"	2	36012	Peter/KW Flex-Air Torque Arm 1/8"	2

Tandem Truck Shims

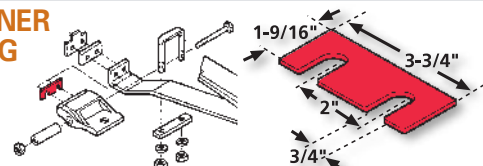
These over-the-road heavy duty adjusters are a fast and accurate means to align front or rear axles of most popular tandem trailers and trucks. You, the alignment technician, now have reliable means to complete total heavy duty truck alignments.

KENWORTH AIR GLIDE SPACERS FOR "EIGHT BAGGERS"



Part No.	Thickness	Qty	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			

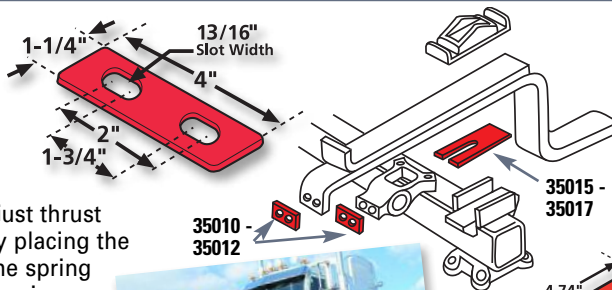
FREIGHTLINER ADJUSTING SHIM



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



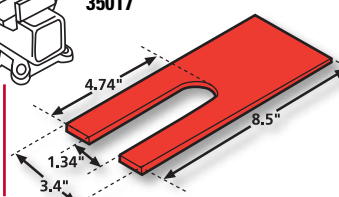
These shims adjust thrust angle and toe by placing the shim between the spring hanger and the spring.

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 - 60).

Heavy Duty Tandem Truck Shims

Applications

Alignment Parts

Heavy Duty

OE Replacement

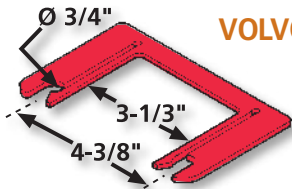
Racing/Builders

Tools

Accessories

Brake and CV

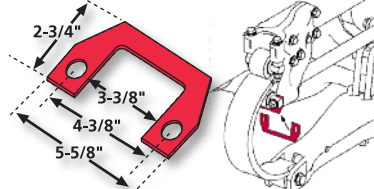
Gear/Index



VOLVO/WHITE TANDEM SHIM

Part No.	Thickness	Qty
35030	1/32"	6
35031	1/16"	6
35032	1/8"	6

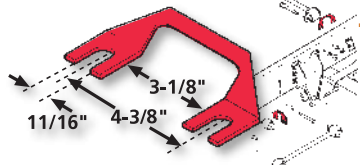
These shims adjust thrust angle and toe by placing it between the spring hanger and the spring.



PETERBILT/ KENWORTH FLEX AIR SUSPENSION SHIMS

Part No.	Thickness	Qty
36010	1/32"	6
36011	1/16"	6
36012	1/8"	6

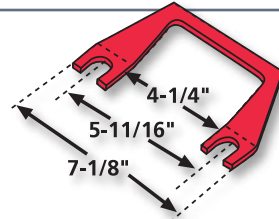
By shimming the torque arms these shims adjust toe and thrust angle.



I.H.C./NAVISTAR TORQUE ARM SHIM

Part No.	Thickness	Qty
35040	1/32"	6
35041	1/16"	6
35042	1/8"	6

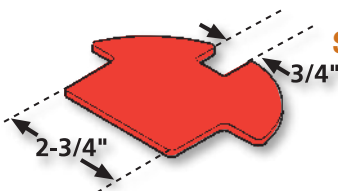
Will change thrust and toe when installed between the torque arm and the spring hanger. On Navistar they will also center the axle with the frame rails when used on the lateral link.



NAVISTAR SHIM FOR "CORPORATE" 6x4 AIR SUSPENSION

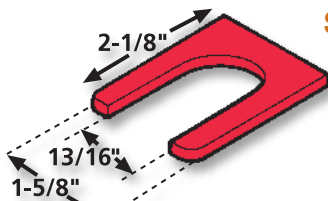
Part No.	Thickness	Qty
36020	1/32"	6
36021	1/16"	6
36022	1/8"	6

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.



WILSON TANDEM SHIM FOR HUTCHENS SUSPENSION

Part No.	Thickness	Qty
35050	1/32"	6
35051	1/16"	6
35052	1/8"	6



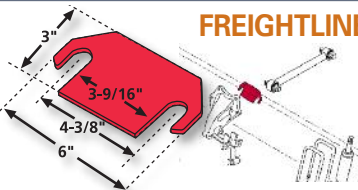
SINGLE SLOT TANDEM TRUCK SHIMS

USE ON TENZA BUS UPPER CONTROL ARM FOR CAMBER/CASTER

Part No.	Thickness	Qty
35060	1/32"	6
35061	1/16"	6
35062	1/8"	6

USE FOR FREIGHTLINER "AIRLINER" K77936 SUSPENSION

These universal shims are installed at the ends of torque rods to change toe and/or thrust angles on **Freightliner**, **Hendrickson** and **Navistar** heavy duty tandem trucks and trailers. Also adjusts camber and/or caster on **Tenza Bus** front upper control arms.



FREIGHTLINER SHIMS FOR FAS II SUSPENSIONS

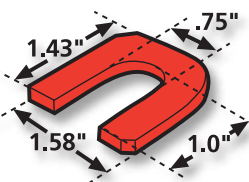
Part No.	Thickness	Qty
36031	1/16"	6
36032	1/8"	6

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.



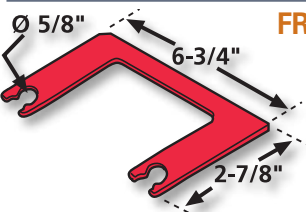
VANHOOL LOWER CONTROL ARM & BOGEY AXLE SHIM

Part No.	Thickness	Qty
36040	1/32"	6
36041	1/16"	6
36042	1/8"	6



VANHOOL UPPER CONTROL ARM & DRIVE AXLE SHIM

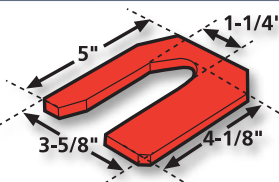
Part No.	Thickness	Qty
36050	1/32"	6
36051	1/16"	6
36052	1/8"	6



FREIGHTLINER SHIMS FOR AIR GLIDE SUSPENSION

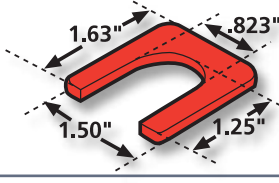
Part No.	Thickness	Qty
35070	1/32"	6
35071	1/16"	6
35072	1/8"	6

These shims adjust thrust angle and toe by placing the shim between the spring hanger and the spring.



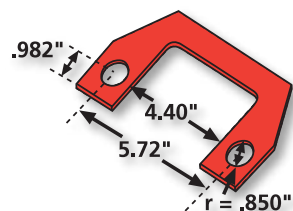
PREVOST CASTER SHIM

Part No.	Thickness	Qty
36060	1/32"	6
36061	1/16"	6
36062	1/8"	6



PREVOST CASTER SHIM

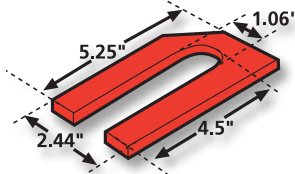
Part No.	Thickness	Qty
36070	1/32"	6
36071	1/16"	6
36072	1/8"	6



PETERBILT & KENWORTH THRUST ANGLE SHIMS

Part No.	Thickness	Qty
36001	1/32"	6
36002	1/16"	6
36003	1/8"	6

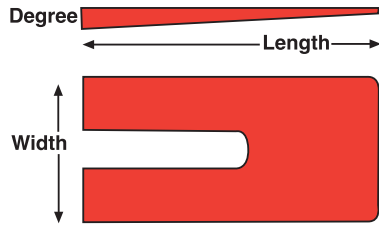
These shims are for the new Peterbilt and Kenworth "Low Air Suspensions".



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



	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

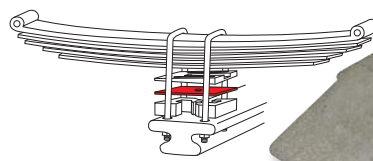
These shims are the standard. Top of the line compression strength and hardness means that when you set your alignment - it doesn't change.



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.

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
10698
10798



#10598 - 3" Wide • #10698 - 3.5" Wide • #10798 - 4" Wide

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

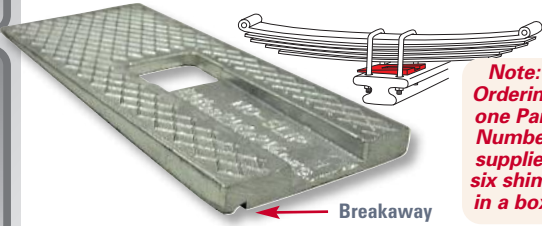
Heavy Duty Truck Axle Shims

80199-81099

ZINC TRUCK AXLE SHIMS

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.



Note: Ordering one Part Number supplies six shims in a box.

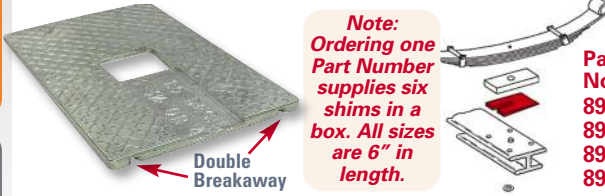
Part No.	Width	Degree Taper	Qty/Box	Part No.	Width	Degree Taper	Qty/Box
80199	1-3/4" - 2"	1/2°	6	80699	1-3/4" - 2"	3°	6
80299	1-3/4" - 2"	1°	6	80799	1-3/4" - 2"	3-1/2°	6
80399	1-3/4" - 2"	1-1/2°	6	80899	1-3/4" - 2"	4°	6
80499	1-3/4" - 2"	2°	6	80999	1-3/4" - 2"	5°	6
80599	1-3/4" - 2"	2-1/2°	6	81099	1-3/4"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

89199-89899

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.



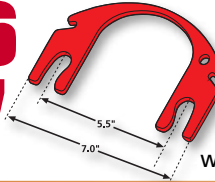
Note: Ordering one Part Number supplies six shims in a box. All sizes are 6" in length.

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

35035 35036 35037

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).



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

35038

HENDRICKSON (HTB) TORQUE BOX ADJUSTMENT SET (10)

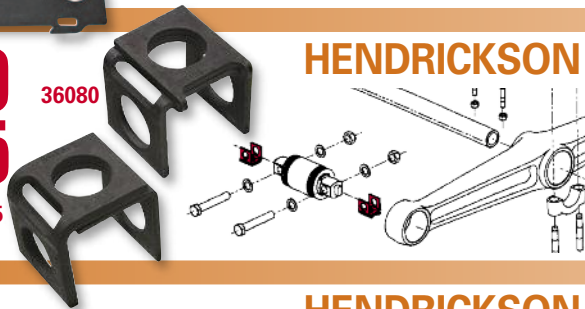
Adjust the Hendrickson HTB torque box with this full set of 10 replacement shims. The shim set includes 4 of the 1/32" shims, 4 of the 1/16" shims, and also 2 of the 1/8" shims to give you a full range of adjustment. Need to adjust the torque arm as well? Try our 35035, 35036, or 35037 shims (above).



36080 36085

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.



36087

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-

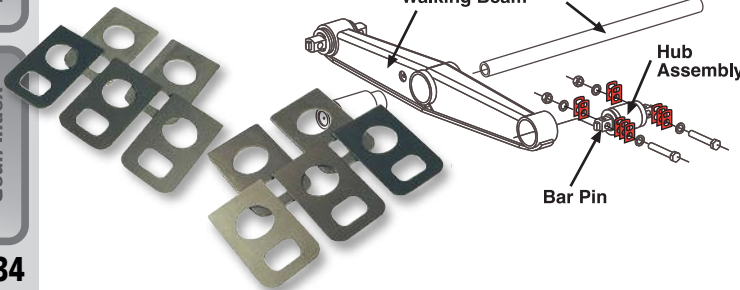
Euclid Nos: E-9327, E-9328, E-9329

Hendrickson Nos: 50130-000, 50131-000, 50132-000

Adj. Range: 3/8"

Required: 1 set per wheel

Includes: 2 (two)-five piece kits



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Bus

Tools

Accessories

Brake and CV

Gear/Index

Heavy Duty WHEEL CENTERING PRODUCTS

- Wheel Vibrations?**
- Wheel Hop?**
- Brake Pedal Pulsations?**
- Erratic Tire Wear?**
- Excessive Fuel Consumption?**

If you are experiencing these problems, it may be because your wheels aren't centered on the hub. And if your wheels aren't centered, you will continue to experience these problems. With **Specialty Products' Wheel Centering Products**, you can re-center your wheel, and eliminate all of these problems.

Benefits...

- Increases fuel mileage**
- Increases tire life**
- Decreases tire vibration**
- Cuts rebalancing costs**
- Reduces "wheel-off" condition**
- Reduces tire cupping**

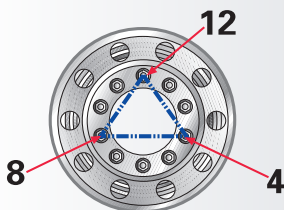
Perfect for...

- Semi Trucks and Trailers*
- Heavy & Medium Duty Trucks*
- Parcel Package Trucks*
- Emergency Vehicles*
- Commercial Buses*
- School Buses*
- Motor Coaches*

Install our wheel centering products on your truck or fleet and start saving money NOW! Simply the BEST solution for tire vibration and erratic wear.

SPC 'EZ ON' Wheel Centering Tool Set

- 32111** OTR Vehicles
22mm
- 32115** Ford F450/F550
Super Duty
14mm
- 32116** Alcoa Wheels
made in
Hungary
22mm



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 mfg. specifications.

Features

- Threadless Design
- Tapered Nose
- Single Set

Benefits

- Saves Installation Time
- Eases Wheel Mounting
- For Steer, Drive & Trailer Axles

32111
32115
32116



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.

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

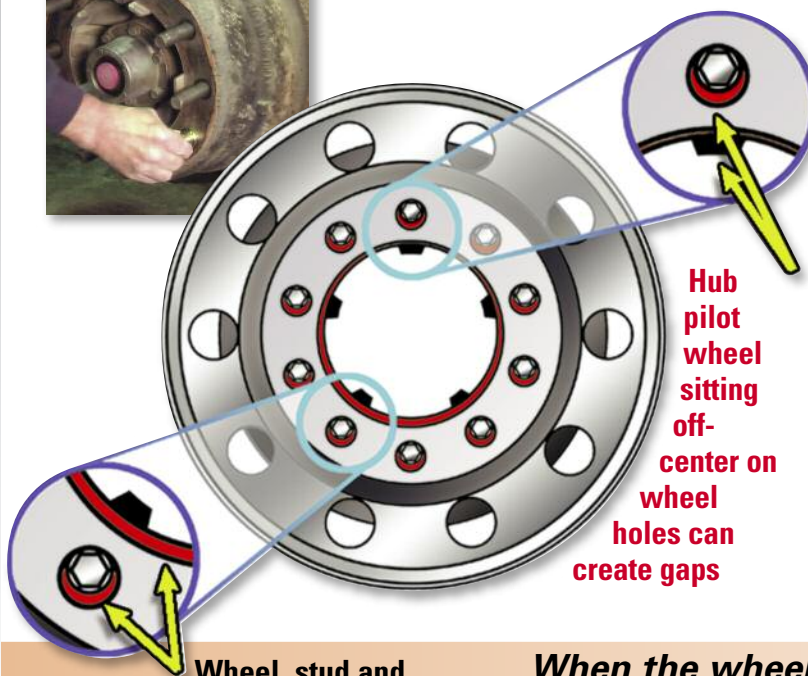
WHEEL CENTERING PRODUCTS



How it works

If your hub piloted wheel is sitting on the hub stud off-center (as shown in the illustration to the left) you need these parts and tools to avoid wheel hop and excess tire wear, and to increase your fuel mileage.

The theory behind the hub pilot is it centers the wheel. The fact is gravity causes the weight of the wheel to rest only on the upper pilots creating a gap in the bottom pilots. Even the smallest gap results in an egg-shaped motion upon rotation. This uneven motion creates rolling resistance which causes tire vibration, increased fuel consumption and erratic tire wear. The bottom line is, you can't balance an egg.



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!

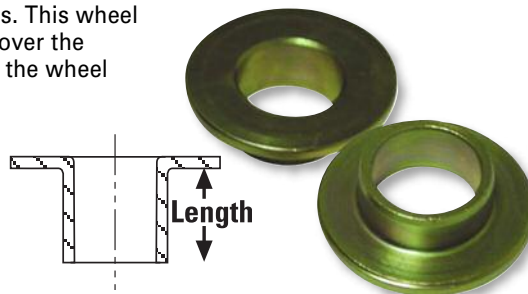
22mm Steer Wheel - Brake Drum Type	Dimensions	Aluminum Part No.	Steel Part No.	Qty.
Gunite 3573X, 3596X, 3597X, 3598X, 3686X, 3687X, 3710X, 3721AX, 3726X, 3758X, 3774X, 3800X Webb 61528B, 65548B Arvin Meritor 53-123448-002, 53-123567-002, 53-123568-002	1.25" hole/.5" depth	32120	32124	6
Gunite 9000X, 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

#33171 ELECTRIC DRILL WIRE BRUSH

Use to clean holes before mounting.



#33172 DEBURR KNIFE

Use to remove damaged edges.



WHEEL CENTERING ACCESSORIES

These accessories will make installing our centering sleeves fast and easy.

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"



20106

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.

64250

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.

Machined roller & heavy duty tripod for smooth, accurate readings



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

Includes ball joint/tie rod extenders

33174 - Replacement Gauge - Page 173

Also measures ball joint play (set-up pictured) and tie rod play



75580 75585

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.

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 162.

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. Powder coated for added durability.

83125

TRUCK WHEEL WEIGHT TOOL

Special grip hammer and pliers for removal and installation of truck wheel weights.



CHROME LUG NUT COVER TOOL

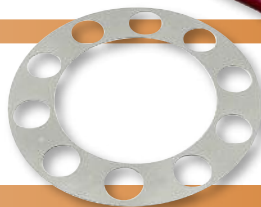
No-Mar coated jaws allow harmless removal and installation of chrome nut covers on light truck, motor home, and over-the-road truck lug nuts.



83788

NO MAR RIM GUARD

Protects from scratching chrome, aluminum, and painted truck wheels when removing lug nuts.



84238

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.

91040

- Includes gauge and wheel mount (fits most wheels from 21" to 26"). Includes extra length toe arms, heavy duty tape measure, and no lip adapters
- Displays Camber $\pm 4^\circ$ / Caster -4° to $+12^\circ$.
- Saves time and tires.
- Accurate, rugged and easy-to-use.



- *The most expensive 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!***

Perfect to add to your PMs - Check your alignment in just 5 minutes!!!!

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



91800

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.



91841

Heavy Duty

TOOLS 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"

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.

91877



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.



91887

91887 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



91889

91889 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).

Maximum Height 48" 6 Adjustments in 2" Increments 3" Spring Motion

91888



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".

91890



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.

WORKING ON FLEET VEHICLES?

We have all the alignment parts and tools you need for your fleet of light duty vans and trucks. For alignment parts look up your application in our comprehensive application charts starting on page 7. For tools and accessories our tool section starts on page 154.



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

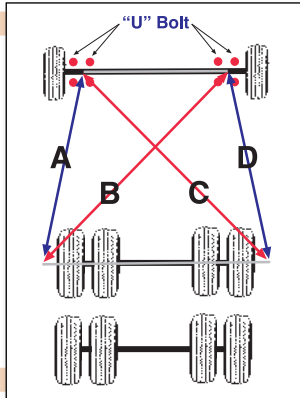
Gear/Index

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.**



91891



"U" BOLT EXTENSIONS (4)

This extension set is used to measure the tandem axles on tractors in relationship to the front spring "U" bolts. The extenders establish a measuring point on the front axles so you can make accurate measurements to the rear axle. Measurements "A" and "D" should be equal as well as measurements "B" and "C" if the vehicle is tracking correctly on the front axle. Includes four extenders - two with 3/4" threads and two with 7/8" threads. Use with **91877 or 91889 and 91888 or 91890.**

91896



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 91988 Tandem Trailer Trackers. With this system the technician can easily check the A and D distances along with the B and C distances (diagram above) to see if the tandems are tracking correctly.



91990

ALUMINUM WHEELS

The 91990 is a simple method for tracking the rear dual tandems on trucks and tractors. It includes the 91896 "U" Bolt Extensions, a pair of Lo Profile Extension Bars (91877) and 91890 Tandem Tracker Set for Aluminum Wheels. With this system the technician can check the A and D distances along with the B and C distances (diagram above) to see if the tandems are tracking correctly.

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.



99515
99517

5" stands included in the 99517 Set



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



99801

Replacement

REPLACEMENT PART APPLICATIONS

MODEL	YR	DRIVE	REAR	FRONT PG	MODEL	YR	DRIVE	REAR	FRONT PG		
ACURA					HONDA - cont.						
CL	01-04	FWD	67075	67075 145	CR-V	97-01	FWD		67245 145		
EL	97-99	FWD	67245		67245 145	CR-V	02-06	FWD	69400		145
Intergra	90-01	FWD		67245 145	Del Sol	92-97	FWD		67245 145		
Legend	91-96	FWD		67245 145	CRX	89-92	FWD		67075 145		
RL	96-01	FWD		67245 145	Element	03-11	FWD	69400		145	
RSX	02-07	FWD	69400		Odyssey	95-98	FWD		67075 145		
TL (3.2)	96-98	FWD		67245 145	Prelude	97-02	FWD		67245 145		
TL	96-08	FWD	67075								
TL	99-08	FWD		67075 145	INFINITI						
TSX	04-08	FWD		67075 145	M35h, M37, M56	11-13	FWD	12020		143	
Vigor	92-94	FWD	67075					12021		143	
				145				12022		143	
AUDI					Q50, Q70	14-17	FWD	12020		143	
A4	98-17	FWD		21040 144				12021		143	
A5/S5	07-17	FWD		21040 144				12022		143	
A6/Allroad/S6/RS6	98-11	FWD/AWD		21040 144	JAGUAR						
A7/S7	12-17	FWD		21040 144	S-Type	98-08	RWD	87555		145	
A8/S8	04-10	FWD		21040 144	JEEP						
RS4	07-08	FWD		21040 144	Wrangler (JK)	07-17	RWD/4WD		13415	63	
Q5	09-17	FWD/AWD		21040 144				13425	63		
S4	00-17	FWD		21040 144	LEXUS						
SQ5	13-17	FWD/AWD		21040 144	CT	11-17	FWD	12030		143	
BMW					GX	10-16	4WD	25950		144	
x5	07-13	FWD/AWD	12116 - right 12117 - left	143 143	HS	10-12	FWD	12030		143	
x6	09-14	FWD/AWD	12116 - right 12117 - left	143 143	LX 570	08-15	4WD	25965		144	
CADILLAC					LINCOLN						
Escalade	02-17	RWD/4WD		86325 115	LS	99-06	RWD	87550		145	
CHEVROLET/GMC					MAZDA						
1500/HD/Crew Cab	99-17	RWD/4WD		86325 115	323	90-94	FWD	21030		144	
2500, 3500	99-10	RWD/4WD		86325 115	Protege	95-98	FWD	21030		144	
2500HD, 3500HD	11-17	RWD/4WD		86326 115	MERCURY						
Avalanche 1500, 2500	02-13	RWD/4WD		86325 115	Tracer	91-94	FWD	21030		144	
Canyon/Colorado	15-17	RWD/4WD		86326 115	NISSAN						
Canyon/Colorado	04-12	RWD/4WD		86325 115	Armada	04-13	RWD/4WD		21035	144	
Express/Savana Van	03-17	RWD/4WD		86325 115	Frontier	05-17	RWD/4WD		21035	144	
Suburban, Tahoe, Yukon, Yukon XL					Pathfinder	05-12	RWD/4WD		21035	144	
1500, 2500	03-17	RWD/4WD		86325 115	Titan	04-13	RWD/4WD		21035	144	
DODGE/RAM					Xterra	05-17	RWD/4WD		21035	144	
1500 Mega Cab	06-08	4WD		23800 68	SCION						
2500, 3500	03-17			23800 68	iM	12-16	FWD	12030		143	
3500 w/monobeam	03-17	RWD		23800 68	tC	05-10	FWD	12025		143	
4500, 5500	08-17	RWD/4WD		23850 68	tC	11-16	FWD	12030		143	
FORD					STERLING						
Escort	91-96	FWD	21030		Bullet	08-10	RWD/4WD		23850	68	
Mustang Cobra	99-04	RWD	15645, 72062								
Thunderbird	02-05	RWD	87550		SUZUKI						
HONDA					Equator	09-12	RWD/4WD		21035	144	
Accord	90-92	FWD	67075								
Accord	98-02	FWD		67075 145	TOYOTA						
Civic	01-05	FWD	69300		4Runner	03-14	4WD	25950		144	
Civic	96-00	FWD		67075 145	Corolla iM	2017	FWD	12030		143	
Civic	92-95	FWD		67245 145	FJ Cruiser	07-14	4WD	25950		144	
Civic	88-91	FWD		67075 145	Landcruiser (200 Ser.)	08-15	4WD	25965		144	
					Landcruiser (100 Ser.)	98-07	4WD	25955		144	
					Landcruiser (80 Ser.)	91-97	4WD	25960		144	
					VOLKSWAGEN						
					Passat	96-05	FWD		21040	144	
					Phaeton	04-06	FWD		21040	144	

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

12020 Rear Repl. Part
Installation time: .3 hr/side

Required: 1 per wheel

12021 Rear Repl. Part
Installation time: .5 hr/side

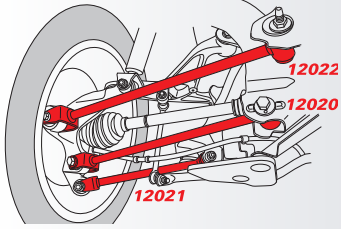
Required: 1 per wheel

12022 Rear Repl. Part
Installation time: .3 hr/side

Required: 1 per wheel

APPLICATIONS

Infiniti: 2014 - Up Q50, Q70
2011 - 13 M35h,
M37, M56



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 99).

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 99).

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 99).

12020
Rear Lower Control Arm

12021
Rear Radius Rod

12022
Rear Lateral Arm



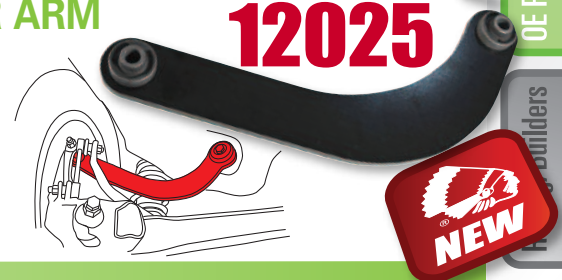
Rear Replacement Part
Installation time: .5 hr/side
Required: 1 per wheel

APPLICATIONS

Scion: 2005 - 10 tC

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 84).



Rear Replacement Part
Installation time: .5 hr/side
Required: 1 per wheel

APPLICATIONS

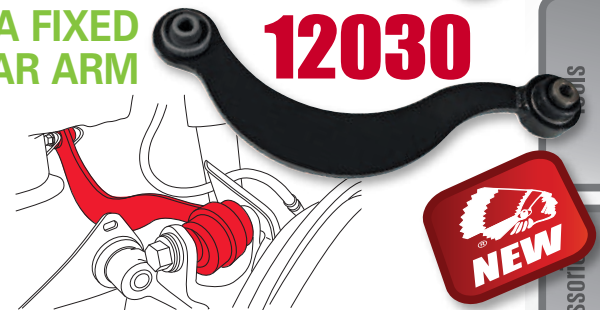
Lexus: 2011 & Up CT
2010 - 12 HS

Scion: 2011 - 16 tC
2016 iM

Toyota: 2017 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 85).



Rear Replacement Part

12116 RIGHT
12017 LEFT

Installation time: 1.0 hr/side
Required: 1 per wheel

APPLICATIONS

BMW: 2008 & Up X5
2008 & 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 if you need it. Need more camber adjustment? Use SPC p/n 72115 for a complete rear end adjustment kit, p/n 72116 for a right side adjustable arm, or p/n 72117 for a left side adjustable arm (page 97).



21030

REPLACEMENT SPINDLE BOLTS

For replacing rusted OE spindle to trailing arm bolts. Can be used with SPC Adjustable Toe Arm, part number 67070 (page 78).

Rear Replacement Part

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

APPLICATIONS

Ford: 1991 - 96 Escort
Mazda: 1990 - 94 323; 1995 - 98 Protege
Mercury: 1991 - 94 Tracer

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 72).

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 107.

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:
1996 - 05 Passat
2004 - 06 Phaeton

25950 25955

25960 25965

TOYOTA REAR LOWER CONTROL ARMS (PR)

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 71).

Rear Replacement Part

Installation time: .3 hr/side

Required: 1 per axle

25950 APPLICATIONS

Lexus: 2003 - 17 GX
Toyota: 2003 - 17 4Runner
2007 - 14 FJ Cruiser

25955 APPLICATIONS

Toyota: 1998 - 07 Landcruiser (100 Series)

25960 APPLICATIONS

Toyota: 1991 - 97 Landcruiser (80 Series)

25965 APPLICATIONS

Lexus: 2008 - 17 LX 570
Toyota: 2008 - 17 Landcruiser (200 Series)

Working on Classic American Muscle Cars?
SPC has a large selection of replacement ball joints for Ford, GM and Mopar. Check out page 121 for more.



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

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 78) and 67265 (page 80) Adjustable arms and the 67245 are used in the 62010 (page 75) front adjustable control arm.

We have adjustable ball joints for these vehicles and more - check them out on pages 79 and 82.

 40920 - Perf. Ball Joint Press, pg 157

67075
67245



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 160) 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 95

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 157

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

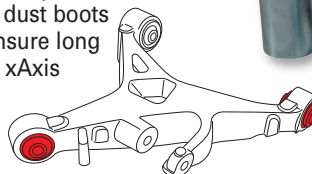
87555 APPLICATIONS

- Jaguar:** 1999 - 08 S-Type

Front Cam Kits available for these applications, page 119

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



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

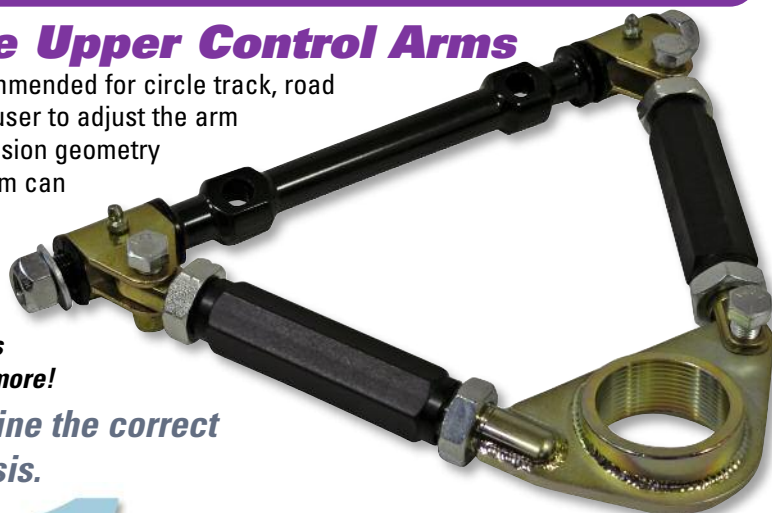
Accessories

Brake and CV

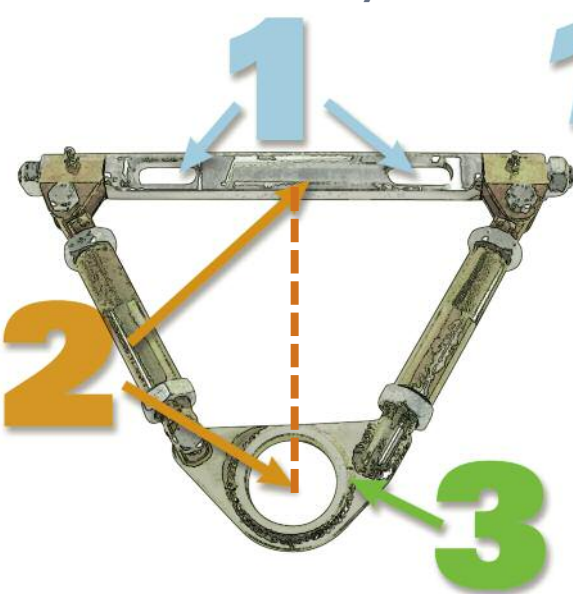
Gear/Int

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 148-149. **SPC also offers arms for Muscle Cars, Street Rods, Corvettes and show applications - see our Application Guide (pages 7-60) 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*)

My Cross Shaft Spacing Is: _____

Step Number 2: Measure Length of Control Arm

Measure from the middle of the cross shaft to the center of the ball joint.

- Steel Adjusting Sleeve lengths are available in 3-3/4", 5", 6", 8", and 9". Also available in black anodized aluminum in 4", 5" and 6" lengths.

My Control Arm Length Measures: _____

Step Number 3: Determine Type of Ball Joint Plate

- **Full Sized GM Truck Bolt In Ball Joint Plate** Measure center-to-center between the ball joint bolt holes that are farthest apart. This measurement should be 2-3/4" SPC Ball Joint part number is **92004**.
- **GM Metric (Midsized) Bolt In Ball Joint Plate** Measure center-to-center between the ball joint bolt holes that are farthest apart. This measurement should be 2-1/2" - SPC Ball Joint part #**92006**. Also in 20° - SPC Ball Joint part #**92008 & 92009**.
- **Chrysler Screw In Ball Joint Plate** - SPC Performance offers ball joint plates that are welded flat (0° - SPC part #**92003**) or at an angle (10° - SPC part #**92002**) for these screw in type ball joints.

My Type of Ball Joint is: _____



SPC Performance offers preassembled arms in the most popular configurations. These arms are fully adjustable and can give you all the camber and caster change you need to fine tune your alignment for any track. You will save time by being able to quickly and accurately dial in your alignment angles and at the same time you will improve your handling and tracking.

SPC Performance Arms Feature:

- Quality Steel or Aluminum (6" only) Cross Shaft with Pro Racing pivot assemblies or optional high strength rod ends with 3/4-16 thread and 5/8" bore
- Threaded steel adjusting sleeves
- Ball joint plates for Full Size, Screw-In or Metric Types

To order - find the **Cross Shaft** (or Rod End), **Adjusting Sleeve** and **Ball Joint Plate** that your chassis requires... it is that easy!

Don't see the combination that your vehicle requires? Check out our components - available individually - **and build your own!** (See more on our high quality components on pages 148 & 149.)

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 125!



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)	Street Pivots (Order 2)
			Delrin Bushing	Clevite Bushing
			Offset Style	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
93450	6-1/2"	Steel	92025	94014
93430	6-5/16"	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		
92019	Lock Nut for 92014		
92021	Race Kit (threaded studs, lock nuts, bolts, jam nuts, offset pivots w/Delrin Insert - 2 ea.)	97100	Hi Strength 2 Piece Rod End - 3/4" - 16 LH



Applications

Alignment Parts

Heavy Duty

OE Replacement

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 #	Moog Equiv	Description
94001		Upper Early GM Metric Bolt-in Ball Joint
94002	68880 - Socket pg 160	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
94008	68880 - Socket pg 160	Lower Chrysler Screw-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

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 121-127 for our complete line!



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

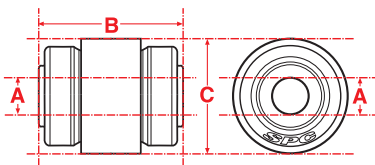
Brake and CV

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

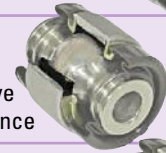
- Reduced compliance and deflection vs rubber and poly joints
- Improved durability vs spherical bearings and poly bushings
- Increased angularity vs rubber and poly bushings
- Engineered to be a direct fit for many popular street/race or HD off-road applications

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



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
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
15643	12		44.5		40		29606

* Bolt hole and width are designed for JK track bar bracket.

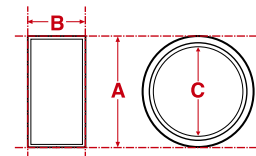
Bushing Press Adapters

These adapters are designed for quick, easy removal of the old bushings and installation of SPC's **xAxis** joints.



Weld-In Receivers with 2 Snap Rings

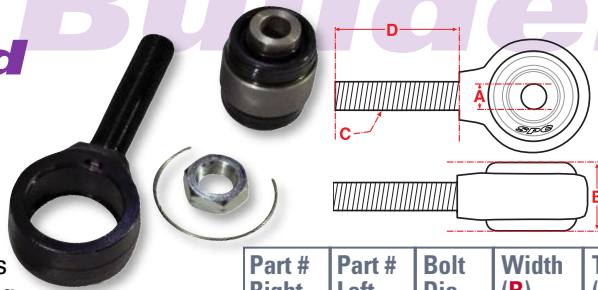
Use this weld in receiver to create your own control arm or chassis mount with an SPC **xAxis™** sealed flex joint. Designed with optimal press fit for the **xAxis** these receivers include two snap rings for retention and an access window for easy snap ring removal.



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

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"



Builder Ball Joints

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.

- Aluminum Cap and Rubber O-Rings** provide redundant sealing keeping ball joint free of contaminants
- 2-Piece Hybrid Race** compensates for wear while providing high load capacity
- Alloy Steel Stud** Application-specific hardened alloy steel studs for maximum strength
- Rebuildable and Greaseable** for years of service, even under the harshest conditions
- Large Diameter Ball** provides maximum bearing surface and massive articulation
- High-angle Boot (not shown)** keeps out dirt and water, even at extreme articulation



15201 Rebuild Kit

Includes: Races, spring, O-rings, boot, boot retainer and cotter pins.

72120 - Spanner Wrench, pg 161

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



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.



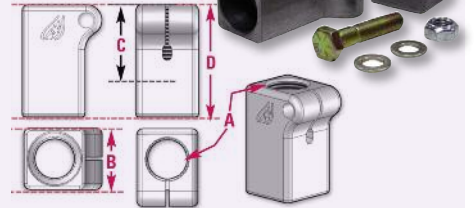
ROUND ROD END RECEIVERS

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

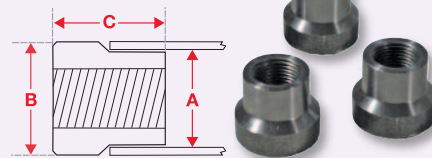
SQUARE ROD END RECEIVERS

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

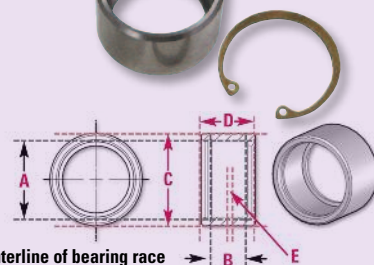
RH Thread Part #	15300	15302	15304	15306	15308
LH Thread Part #	15301	15303	15305	15307	15309
Thread Size	1/2" - 20	3/4" - 16	1" - 14	1 1/4" - 12	M18 x 1.5
Tube ID (A)	0.75"	1.00"	1.50"	1.75"	1.00"
Width (B)	1.00"	1.25"	1.75"	2.00"	1.25"
Overall Length (C)	.75"	1.125"	1.50"	1.875"	1.060"



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"

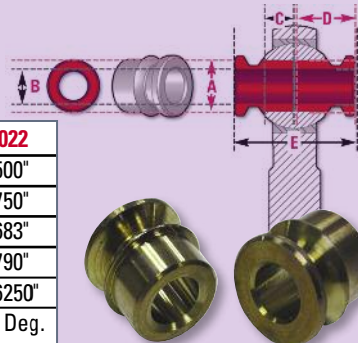


E - Centerline of receiver to centerline of bearing race

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

Builders

Tools

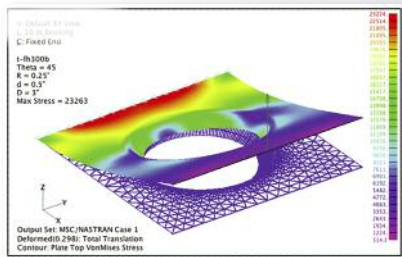
Accessories

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.
- Saves time and tires.
- Displays Camber $\pm 4^\circ$ / Caster -4° to $+12^\circ$.
- Accurate, rugged and easy-to-use.

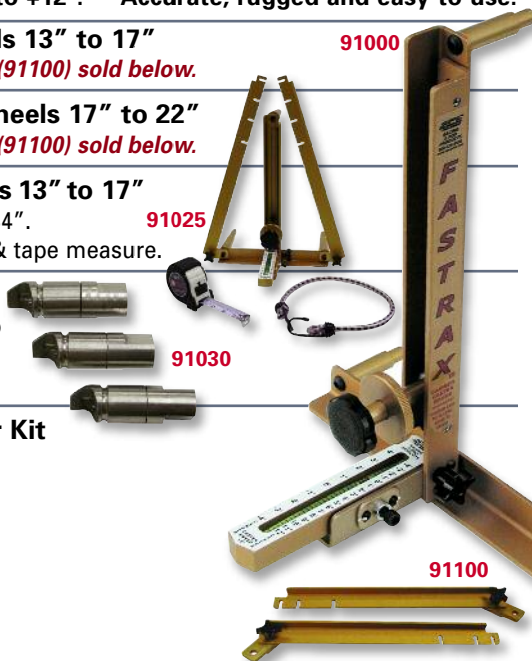
91000 Standard - Fits wheels 13" to 17"
Optional Toe Adapter Kit (91100) sold below.

91010 Performance - Fits wheels 17" to 22"
Optional Toe Adapter Kit (91100) sold below.

91025 Off-Road - Fits Wheels 13" to 17"
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 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 168 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



FLANGE TYPE AXLE PULLER

Flange Type Axle Puller can be used as a regular wheel puller or hub puller, as well as a flange type puller. The bolt circle range is from 4-1/2" to 5-1/2", which covers all cars and small trucks with flange type axles. The four slots allow this tool to be used on 4, 5, or 6 stud designs.

499

APPLICATIONS

All cars and small trucks with flange type axles

SET INCLUDES

- 499-1** Yoke
- 499-2** Center rod assembly
- 499-3** Jam nut
- 499-4** Hammer

Check out our CV Joint Fork #38620 for use with the 499 (page 156)

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

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 64) 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.



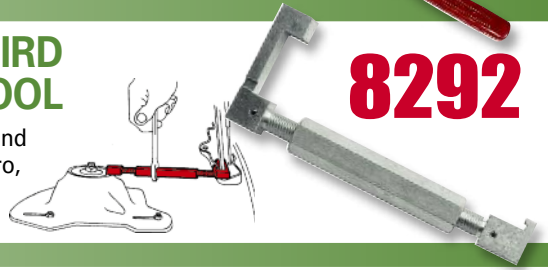
8286

APPLICATIONS

Chevrolet: 1982 - 92 Camaro
Pontiac: 1982 - 92 Firebird
1982 - 92 Trans Am
w/adjustable upper strut towers

CAMARO-FIREBIRD FRONT CAMBER TOOL

The 8292 tool makes for easy, fast and accurate camber changes on Camaro, Firebird and Trans Am vehicles with adjustable upper strut towers.



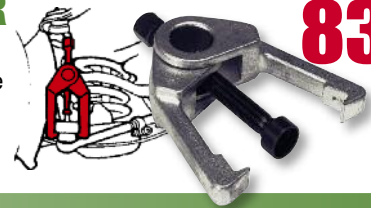
8292

83707 Center Screw with Tip

CAUTION: Not for use with impact wrenches (air tools)

5" TIE ROD PULLER

Removes tie rod ends with a straight, fast, firm push. Makes installation of the 87330 camber/toe kit easier (pg. 117). 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 161).

23580 - To be used with our Dodge, Jeep and Ram Pin Joints (part nos. 23510, 23520, 23530, 23540 page 67).

23780 - For our Dodge/Ram Truck Pin Joints (part nos. 23710 - 23730 page 68 and 23800 - 23830 page 68).



23580
23780

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

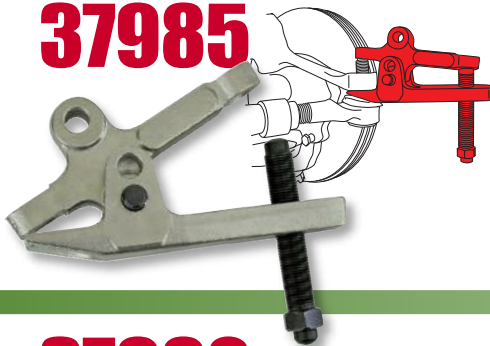
Gear/Index

37000**WHEEL WEIGHT TOOL**

The best tool for removing or installing passenger car and light truck wheel weights. Incorporates hooks for removal of wheel weights on many different types of wheels. Not for use on aluminum or decorative wheels.

37980**STEERING KNUCKLE TOOL**

Stop damaging steering knuckles by removing 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.

37990**BALL JOINT SEPARATOR**

This heavy duty, drop forged alloy steel, lever-type ball joint and tie rod end remover provides good leverage action to remove stubborn tie rod ends or break ball joint tapers easily. Use when space prevents use of a direct action separator. The **37990** fits 3/4" openings.

38620

For threaded rod - 5/8" x 18

**CV JOINT FORK**

When used with **499** (page 154), this tool will pull most CV joints that use a hidden snap ring to hold them in the transaxle. Made to remove the axle assembly without damaging the transmission case or inside roller bearing.

40250**INTERNAL COIL SPRING COMPRESSOR**

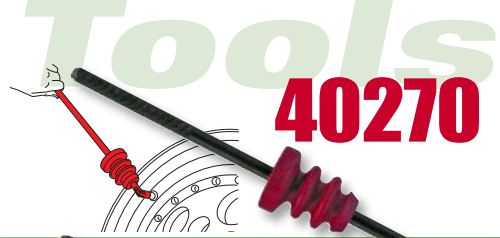
A handy chromoly steel compressor designed to fit inside most coil springs with an internally mounted shock. Will accommodate spring lengths from 8-1/4" to 14". It can be used on any coil spring with a minimum inside diameter of 3-3/8" to a maximum inside diameter of 5-5/8" and wire diameters up to 3/4". **Note: NOT for use on MacPherson struts or Fiat vehicles.**

40260**UNIVERSAL SPRING COMPRESSOR**

This two-piece internally threaded spring compressor is a great option for MacPherson strut, coilover, and other accessible springs. With 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 25430, 25435, 25440 and 25445 replacement Toyota cams (page 71).

INCLUDES (See below right): 4434, 44339

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 79 & 82). 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



40910
40915
40920

40915

4432 U-Adapter
4428 1/16" Thick Tube
4429 1/8" Thick Tube
4430 3/16" Thick Tube
4431 Forcing Head
4432 Receiving Socket
4433 Forcing Screw
4434 C-Frame
4435 Forcing Screw Cap
40925 Adapter
40927 Adapter
40929 C-Frame and Forcing Screw
44339 Sleeve Extracting Screw

4428
4429
4430
4427

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

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
4415 2.50 OD x 2.25 ID
4416 2.0 OD x 1.75 ID
4417 2.5 OD x 2.25 ID
4418 2.13 OD x 1.80 ID
4419 2.5 OD x 2.25 ID x .75 AL
4420 2.5 OD x 2.25 ID x 2.75 AL
4421 3.0 OD x 2.75 ID
4422 2.75 OD x 2.43 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.



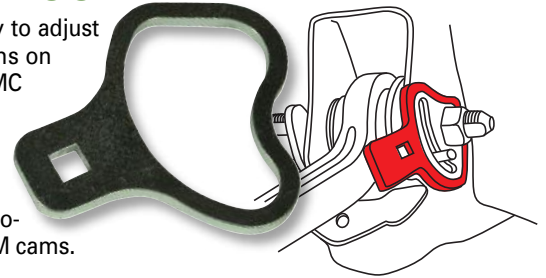
APPLICATIONS

Cadillac RWD/4WD: 2002 & Up Escalade
Chevrolet/GMC RWD/4WD:
 1999 & Up 1500 & HD Crew Cab
 1999 - 10 2500, 3500
 2002 & Up 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

LH TOE TOOL

55600

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.



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 67).

LH TOE TOOL

55700

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.



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.



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

66025**CHRYSLER BUSHING PRESS SLEEVES**

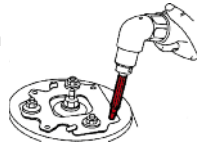
These adapter sleeves are designed to be used with the **40920** Performance Ball Joint Press (page 157). It is designed specifically to remove the stock rear control arm bushings and to install our Offset Rear Camber Bushings, Part No. 66050 (page 76) used on the newer Chrysler LX platform cars.

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 88) can then be installed using the adapter and a **72509** Ball Joint Press (pg 161), **40920** Performance Ball Joint Press (pg 157), 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 165), 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 121.

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 90).

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

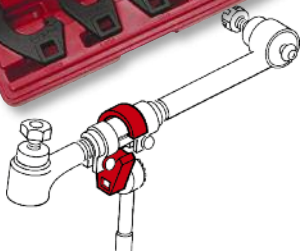
71989

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).



APPLICATIONS

BMW: SPC Part #72065, #72070, #72080, #72090, #72180, #72190
Mini Cooper: #67620, #67630

FRONT STRUT TOOL

72095

This tool was designed for turning the valves on adjustable damping struts when our SPC Adjustable Strut Mounts are used on BMWs (pg. 96 & 98) and Mini Coopers (pg. 87).



APPLICATIONS

Porsche: SPC Adjustable Arms Part No. 72610 pg. 102
Builder Ball Joints: pg. 151

SPANNER WRENCH 3/8" DRIVE

72120

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 and Builder Series of 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 other project that needs this size spanner.



RWD/4WD BALL JOINT PRESS

72509

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



NOTE: Lubricate before use.
CAUTION: Not for use with impact wrenches (air tools).

1-1/8" PUNCH

73010

This tool is used to cut holes necessary to install our **83115** (page 111) camber kits. A must to ensure a good, round hole.



PITMAN ARM PULLER

73119

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).



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 159) 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
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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 70) 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:

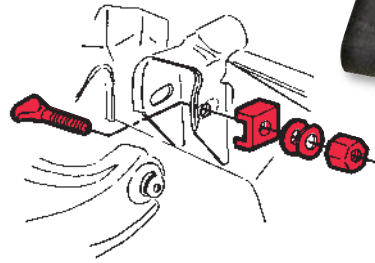
1990 - 01 Astro & Safari Van

Jeep RWD/4WD:

2007 & Up 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.



74910



74914 - Replacement Offset Punch.

74915 - Replacement Center Punch.

EZ SHIM™ CUTTER

This cutter, a must for properly cutting our EZ Shims™ (page 104), 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 161) and are used with the **67465** Honda Civic Camber Kit on page 83. 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 73) includes adjusting wrench

76000 - For **28850**, **28855** and **28860** (page 73)



75990 76000

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 convenient blow-molded plastic case.



76750



Applications

Align/Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Inn

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

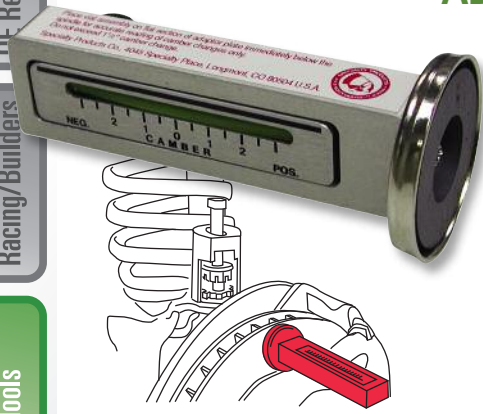
CAUTION: Not for use with impact wrenches (air tools).

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**

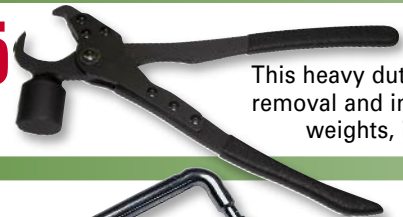
The **81139** is inexpensive, portable, and very accurate. It has a simple leveling adjustment of $\pm 3^\circ$. Housed in a durable, non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.

81134
Replacement
Bubble Vial
81133
Replacement
Magnet

- Time/money saving device.
- Return a strut to its original camber after repair or replacement.
- Measure amount of camber change movement before reinstalling alignment heads during camber kit installation.
- Check the amount of camber change before reinstalling tire and wheel assemblies on trucks receiving offset alignment bushings.
- Check camber change before, during and after EZ Cam™ (page 105) 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!

83775**GM ALIGNMENT TOOL**

This tool allows for fine, accurate, easy adjustments of camber or caster on GM vehicles. No extra parts or cutting/ grinding needed.

APPLICATIONS

Adjust front camber/caster
Cadillac: 2003-08 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

APPLICATIONS

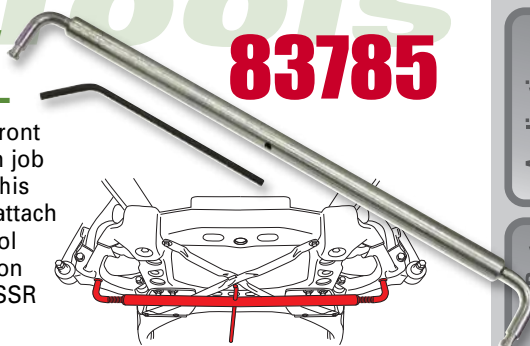
- Buick:** 2004 - 07 Rainer
Cadillac: 2003 - 13 CTS, CTS-V
 2005 - 11 STS
 2004 - 09 SRX
Chevrolet: 2004 - 06 SSR
 2002 - 09 Trailblazer
GMC: 2002 - 09 Envoy
Isuzu: 2003 - 07 Ascender
Oldsmobile: 2002 - 04 Bravada
Saab: 2005 - 09 9-7X



GM CAMBER/CASTER TOOL

83785

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.



APPLICATIONS

- Ford RWD/4WD:** 2003 - 06 Expedition
Lincoln RWD/4WD: 2003 - 06 Navigator

FORD SUV CAM ADJUSTING WRENCH

83820

This wrench is specifically designed to adjust the **86640** Camber/Caster Kit (page 116). This steel wrench is plated for durability.



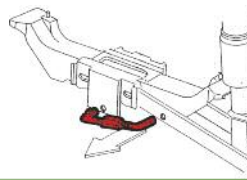
APPLICATIONS

- 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

83850

Tool allows quick, precise, and profitable adjustments of rear toe on both left and right sides of GM vehicles.



Rotary Files

STEEL FILE SET 85125

High quality carbide rotary files, ideal for elongating strut holes on many vehicles. Use when installing **82110**, **82120**, and **87350** adjusters. May be used with 1/4" or 3/8" drills at high speeds. Available individually. Use with **85774** Cool Tool cutting fluid (below).

- INCLUDES:** **85126** - 1/4" Rotary File (Max. Operating Speed 9,000 RPM)
85127 - 3/8" Rotary File (Max. Operating Speed 9,000 RPM)
85128 - 5/8" Rotary File (Max. Operating Speed 7,000 RPM)



3/8" ROTARY FILE SET 85130

This rotary file set is ideal for every technician. Be ready to elongate slots in aluminum and steel frames and brackets to accept larger offset cams. 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 95, 99 and 100). Also is perfect when installing our Mustang Caster Bolts (page 101) and our Ford Crown Vic Front Cam Kit (page 118). 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.

85774

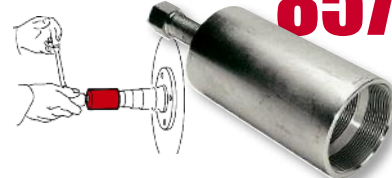


CAUTION: Not for use with impact wrenches (air tools).

3-IN-1 SPINDLE PULLER

85796

85796 is a 3-in-1 puller that makes removing the spindle from four wheel drive vehicles much easier. This puller fits spindle sizes 1-1/2", 1-5/8" and 2" spindles that are OE on 4x4 trucks.



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

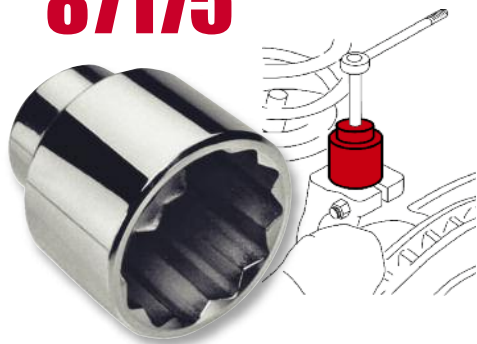
Accessories

Brake and CV

Gear/Index

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 65) 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



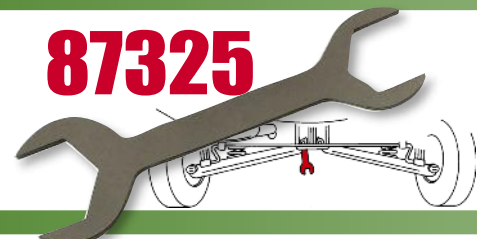
Many popular Taurus/Sable sedans utilize our 87330 Rear Camber/Toe Kit (page 117). The 87320 Bushing Adjustment Tool allows easy access to the head of the eccentric bushing to ease adjustment.

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 92). This wrench is a must in assisting the installer when using these camber and toe shims.

87560

HONDA 24MM TOE ADJUSTING TOOL



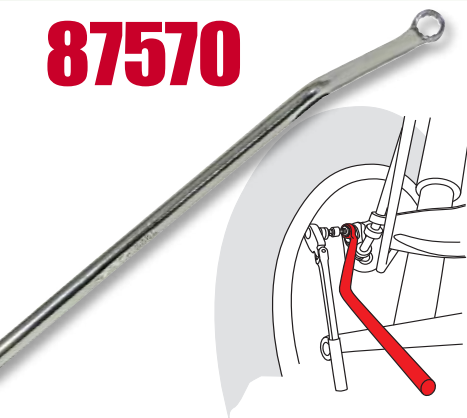
This tool makes rear toe adjustment easy on many late model Hondas. The 24mm wrench can also be used on the new Acura ILX and Mini Coopers.

APPLICATIONS

- Acura:** 2013 & Up ILX
- Honda:** 2006 - 15 Civic 2007 & Up CR-V 2003 - 11 Element
- Mini Cooper:** 2002 - 13 Cooper/Cooper S, Conv., Clubman

87570

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.

APPLICATIONS

- Audi:** 2009 - 16 A4/S4, A5/S5 2012 & Up A6 2012 & Up A7 2011 & Up A8

1/2" Drive

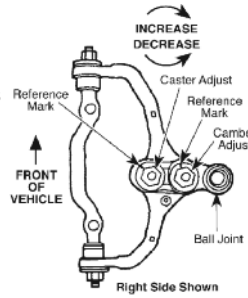
APPLICATIONS

- Ford:** 1992 - 02
Crown Victoria
- Lincoln:** 1991 - 02 Town Car
- Mercury:** 1992 - 02
Grand Marquis

CAMBER/CASTER WRENCH

88325

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.



APPLICATIONS

- Dodge/Ram RWD/4WD:**
2008 & Up 4500, 5500
- Sterling Bullet RWD/4WD:**
2008 - 11 4500, 5500

DODGE/RAM PIN JOINT ADJUSTING WRENCH

88360

The 2-3/8" flat hex wrench is designed to make the installation of the **23850**, **23852** and **23854** (page 68) 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.



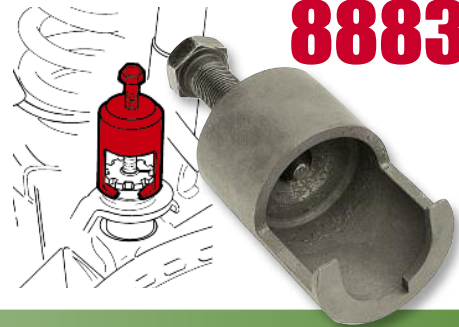
CAUTION: Not for use with impact wrenches (air tools).

88830 is not recommended for use on Ford Motor Co. original equipment sleeves. Use 77880 (page 147) for OE Sleeves.

FORD/DODGE SLEEVE PULLER (AFTERMARKET)

88830

This puller is designed to work specifically with the **23100** (page 64) sleeves. It will allow the technician to pull the sleeves without normally breaking the ears off the sleeve.



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.

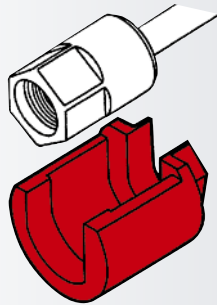
1-3/16" hex tool - for inner tie rod ends on Ford Escort, Tempo, Topaz, Lynx.

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.



INNER TIE ROD END WRENCH SET

89000

Set includes a Dual Socket Inner Tie Rod Removal Tool along with 1-3/16", 1-5/16" and 1-7/16" hex tools.

CAUTION: Not for use with impact wrenches (air tools).



1-3/16" Hex



1-5/16" Hex



1-7/16" Hex



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

97650

Ford Taurus and Mercury Sable Station wagons have a sprocket type cam to adjust rear toe. This tool engages the sprockets and allows the technician to turn the cam for required adjustment.



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 $\pm 4^\circ$ / 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" - 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, bungie cord & tape measure.

91030 No lip adapter
A quick adapter to attach the FaxTrax to wheels without an outer "lip". Fits on the 91000, 91010 and 91025.

91040 Heavy Duty - Fits Wheels 21" to 26"
Perfect to add to your PMs - Check your alignment in just 5 minutes.
Includes extra length toe arms, heavy duty tape measure and no lip adapters.

91040 - See Page 139 for more

If you do these jobs at your garage - you need the FasTrax Camber/Caster Gauge!

- Install adjustable control arms
- Replace idler arms / tie rod ends
- Replacing struts
- Install adjustable bushings
- Collision repair estimates
- Frame straightening



91025

91030



We have a FasTrax for your use:

- Garage
- Racing
- Performance
- Off-Road
- Muscle
- Semi's



91000



91000
w/91100



91025



91010



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.

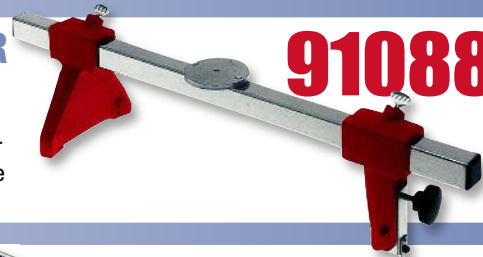
OPTIONAL ADAPTER: 99961
Adapter for mid & full-size cars.



99684

MAGNETIC ALIGNMENT GAUGE ADAPTER

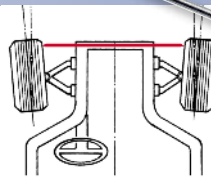
Fits all cars and light trucks with wheel diameters up to 20 in. This rim adapter is used when the hub is inaccessible. The adapter easily attaches to the rim, using built-in thumb screws, to provide a machined surface for accurate measurement of caster, camber and steering axis inclination (use with 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

This product is not a locking device. Use with caution.

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.



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

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

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"

99511



WA5119
11"
Pointer

99512



99511 &
99548

99548



WA515-9L
17" Pointer

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.

99511

APPLICATIONS
Cars and light trucks

99512

APPLICATIONS
Trucks, buses, vans and RV's

99548

APPLICATIONS
Honda ATVs, Yamaha ATVs

POINTERS

WA5119 11" Pointer

WA515-9L 17" Pointer

TOE BAR WITH SCRIBE

Complete with 8 ft. bar, 17 in. pointers, 5 in. stands, and 99516 (below) scribe.

TOE BAR WITH SCRIBE

Same as 99511 except with a 4 ft. bar with a 50mm gauge, and 99516 scribe.

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 139-141.



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.	 <p>SPC Part # 06005 06010 40702 40706 40710</p>	
		06010	10	433796	3			
All Tool	747	06506 06510	6 10		3 3	Positive rake carbide bit.		
Ammco	1000, 1001, 3000, 4000, 4100, 7000, 7700 On-vehicle lathe 700, 705, 710 Drum side on 3850	06202	2	6914-2	12			Negative rake carbide bit.
		06206	6	6914-6	12			
		06210	10	6914-10	12			
Ammco	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.		
		3850, 4000, 7000, 7500 6900, 6950 Twin cutter/9381 Grinding Set	10306	6	7681-6			3
FMC-John Bean/Barrett	67BSD, 67DLX, 67GSA, 69DLX, 701ECF, 601PF FMC or Barrett 400, 500, 600, 700		40702	2	90487	3		Positive rake carbide bit with .020 radius. Left and right hand tool holders.
		40706	6		3			
		40710	10	90488	3			
		10306	6	91212	3	Positive rake carbide bit.		
FMC-John Bean/Barrett	500 Series On-The-Car Lathe	06202	2	90817	3	Negative rake carbide bit.		
		06206	6		3			
		06210	10		3			
Hofmann/RJ West	True-Cut 400/401	40702	2	722-83-4	3	Positive rake carbide bit.		
		40706	6		3			
		40710	10		3			
Hofmann/RJ West	660	06202	2	6914-2	12	Negative rake carbide bit.		
		06206	6	6914-6	12			
		06210	10	6914-10	12			
Hunter	BL500, BL501, BL505	06506 06510	6 10	221-583-3	3	Positive rake carbide bit. For Rotors.	 <p>SPC Part # 70210 90310</p>	
		70210	10	V302-07-167	12			Negative rake carbide bit.
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 06510	6 10	8711 8711	3 3	Positive rake carbide bits for rotor and drum.		
		40702 40706 40710	2 6 10	W139	3 3 3			Positive rake carbide bit.
Pro-Cut	Warthog, PFM 9.2 DR0, PFM 9.1 DR0 610 On-The-Car Lathe	06906 06910	6 10	50-742	3 3	Positive rake carbide bit for Ford.		 <p>SPC Part # 06906 06910 80206 80210 70606</p>
		70606	6	50-701	3			
Rels	SW504 Swing Arm	80206	6	SW4236-15	3	Positive rake 15 degree carbide bit.		
		80210	10		3			
		90310	10	29687V	3		Positive rake carbide bit.	
Rels	204C, 204D, 204S, 205DC, 415 2000	06202	2		12	Negative rake carbide bit.		
		06206	6	45001	12			
		06210	10		12			
RTI	BRC500, BRC550 BRC35 On-The-Car Lathe	10306	6		3	Positive rake carbide bit.	 <p>SPC Part # 06610</p>	
Snap-On	YA180, YA281	80206 80210	6 10	BTK10A	3	Positive rake carbide bit.		
Van Norman	204S Old Style, 205DR, 301, 303, 304, 305, 310, 404, 404,4 05 243XV, 204C, 204D, 204S, 205DC, 415	90203	3	302167	2	Positive rake parallelogram drum bit.		
		90310	10	129687 866561	3		Positive rake bit.	
VGB	610 On-The-Car Lathe	70606	6		3	Positive rake carbide bit.	 <p>SPC Part # 90203</p>	



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.

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

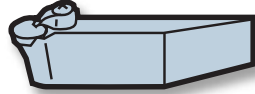
Fits all **FMC/JOHN BEAN** Brake Lathes and **ACCU-TURN**. Complete with 1 Carbide Insert No. 407. **FMC/JOHN BEAN, ACCU-TURN**



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

00095, 00195

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



00098

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



00099

00098

ADJUSTABLE VENTILATED ROTOR SILENCER

This adjustable silencer is made of latex tubing with lead weight implants.

DIMENSIONS: 32" long



09800

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

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 #82017) 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 131-141.



Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

Tools

Accessories

Brake and CV

Gear/Index

Brake & CV

Applications

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 118).

Alignment Parts

33001

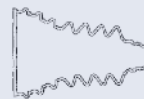


UNI-FIT CV SOLID REPLACEMENT BOOT

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.

Heavy Duty

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

OE Replacement

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!

Racing/Builders

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.

Tools

Accessories

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.

Brake and CV

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

Gear/Index



BUILDER'S SERIES/xAXIS™ COUNTER MAT

Create off-road component sales with our Builder Series counter mat. This high quality counter mat features our xAxis™ Sealed Flex Joint, Rod End Ball Joints and Weld-In Receiver options on the front and the other side features our Builder Ball Joint Series, racing components and more! 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"

Handy EZCam™ chart on reverse

20107S Our "Benefits" Counter mat as also available in Spanish!

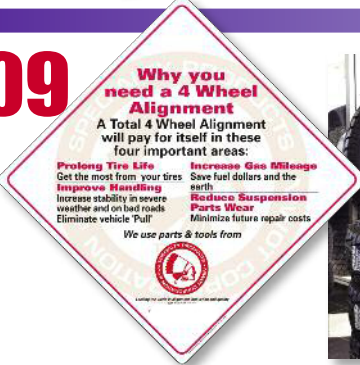
20108



"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



Why you need a 4 Wheel Alignment
A Total 4 Wheel Alignment will pay for itself in these four important areas:

- Prolong Tire Life**
Get the most from your tires
- Increase Gas Mileage**
Save fuel dollars and the earth
- Improve Handling**
Increase stability in severe weather and on bad roads
- Eliminate vehicle Pull**
- Reduce Suspension Parts Wear**
Minimize future repair costs

We use parts & tools from



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.

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!



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.



63000

TRADITIONAL GOLF SHIRT

High quality black golf shirt with our traditional 'Indian Head' logo embroidered on the front.



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

66015



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+.

Applications

Alignment Parts

Heavy Duty

OE Replacement

Racing/Builders

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Brake and CV

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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



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.



88036

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.

NUMERICAL INDEX

NUMERICAL INDEX & RETAIL PRICING (U.S. DOLLARS)

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498-2	154	T	14.77	1728	128	SP	21.20	00083	172	T	21.45	10453	133	SP	65.86	10643	133	C	84.55
498-3	154	T	1.70	1818	128	SP	24.86	00085	172	T	54.27	10454	133	SP	179.31	10644	133	SP	196.02
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499-1	154	T	45.81	1903	128	W	24.86	00095	172	T	47.31	10463	133	SP	68.73	10653	133	C	91.77
499-2	154	T	38.95	1905	128	W	27.50	00096	172	T	7.55	10464	133	SP	173.44	10654	133	SP	223.75
499-3	154	T	1.70	1906	128	D	29.36	00098	172	T	33.77	10472	133	SP	41.36	10662	133	SP	63.19
499-4	154	T	26.64	2006	128	SP	19.08	00099	172	T	14.94	10473	133	SP	70.67	10663	133	C	97.95
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1503	128	SP	16.42	4415	158	T	30.89	06010	171	T	39.20	10522	133	W	39.75	10705	133	B	54.95
1504	128	SP	17.39	4416	158	T	34.89	06202	171	T	6.70	10523	133	W	61.27	10712	133	B	60.81
1505	128	SP	18.52	4417	158	T	29.33	06206	171	T	18.05	10524	133	SP	211.02	10713	133	B	81.45
1506	128	SP	20.06	4418	158	T	23.73	06210	171	T	26.02	10532	133	W	41.50	10714	133	W	184.83
1512	128	SP	15.98	4419	158	T	13.02	06506	171	T	29.19	10533	133	W	65.64	10722	133	B	61.31
1513	128	SP	16.42	4420	158	T	30.89	06510	171	T	45.11	10534	133	W	199.20	10723	133	B	85.75
1514	128	SP	15.98	4421	158	T	30.31	06610	171	T	56.64	10542	133	W	42.92	10724	133	C	171.52
1515	128	SP	18.52	4422	158	T	30.31	06700	172	T	134.19	10543	133	W	68.50	10732	133	B	62.39
1516	128	SP	20.06	4423	158	T	51.23	06854	173	T	3.30	10544	133	SP	214.27	10733	133	B	93.64
1602	128	SP	22.36	4424	158	T	17.58	06906	171	T	32.33	10552	133	W	44.75	10734	133	D	184.55
1603	128	SP	29.36	4425	158	T	31.06	06910	171	T	49.67	10553	133	W	72.86	10742	133	C	65.67
1614	128	SP	25.95	4426	158	T	22.61	09800	172	T	66.00	10554	133	SP	253.95	10743	133	B	100.52
1615	128	SP	24.86	4427	157	T	15.11	10010	155	T	41.69	10562	133	SP	46.44	10744	133	D	224.89
1616	128	SP	29.36	4428	157	T	11.33	10011	155	T	15.45	10563	133	W	77.45	10752	133	C	69.33
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1619	128	W	20.06	4431	157	T	27.55	10404	133	SP	127.95	10573	133	W	79.23	10762	133	W	72.61
1620	128	W	22.36	4432	157	T	44.31	10405	133	W	35.00	10574	133	SP	273.20	10763	133	B	111.05
1621	128	W	22.36	4433	157	T	38.05	10408	63	C	9.55	10598	133	SP	71.00	10764	133	W	306.44
1622	128	W	20.06	4434	157	T	97.69	10412	133	B	36.14	10603	133	C	68.30	10772	133	W	74.80
1627	128	D	21.33	4435	157	SP	9.73	10413	133	SP	57.81	10604	133	SP	239.69	10773	133	B	120.25
1628	128	C	22.36	4437	161	T	118.17	10414	133	SP	137.30	10605	133	SP	51.23	10774	133	W	358.19
1702	128	SP	19.44	4438	161	T	77.48	10422	133	W	37.05	10612	133	W	52.80	10782	133	W	83.64
1703	128	SP	21.20	6140	155	T	135.06	10423	133	SP	58.48	10613	133	C	71.94	10783	133	B	134.33
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15055	152	SP	25.05	15611	150	SP	61.69	15769	151	SP	66.99	23111	64	C	21.17	23238	66	C	28.30
15060	152	SP	24.02	15613	150	SP	38.92	15770	151	SP	66.39	23112	64	A	21.17	23239	66	C	25.67
15065	152	SP	23.19	15615	150	SP	38.92	15771	151	SP	66.39	23113	64	B	21.17	23268	66	C	35.19
15080	152	SP	90.98	15616	150	SP	41.08	15772	151	SP	65.45	23130	65	SP	186.67	23269	66	C	35.19
15082	152	SP	90.98	15617	150	SP	28.89	15773	151	SP	66.55	23131	65	C	20.75	23420	66	C	140.20
15085	152	SP	90.98	15619	150	SP	49.80	15774	151	SP	66.25	23132	65	A	20.75	23450	67	B	162.44
15087	152	SP	90.98	15620	150	SP	55.02	15775	151	SP	66.25	23133	65	A	20.75	23510	67	B	94.20
15090	152	SP	81.81	15623	150	SP	39.77	15780	151	SP	66.32	23134	65	A	20.75	23520	67	B	94.20
15092	152	SP	81.75	15625	150	SP	37.60	15781	151	SP	67.42	23135	65	A	20.75	23530	67	B	94.20
15095	152	SP	81.81	15627	150	SP	33.25	15782	151	SP	66.82	23136	65	A	20.75	23540	67	C	94.20
15097	152	SP	81.81	15629	150	SP	35.43	15783	151	SP	66.82	23137	65	A	20.75	23580	155	T	77.83
15100	152	SP	70.77	15631	150	SP	35.86	15784	151	SP	65.45	23138	65	B	20.75	23600	67	C	30.39
15105	152	SP	70.83	15633	150	SP	35.43	15785	151	SP	66.55	23139	65	C	20.75	23605	67	SP	47.05
15110	152	SP	71.31	15635	150	SP	37.82	15786	151	SP	65.95	23180	65	SP	109.80	23610	67	B	87.44
15115	152	SP	71.27	15637	150	SP	36.30	15787	151	SP	65.95	23181	65	A	12.20	23615	67	B	87.44
15120	152	SP	57.50	15639	150	SP	35.43	15792	151	SP	65.45	23182	65	A	12.20	23710	68	W	147.39
15125	152	SP	57.52	15643	150	SP	35.43	15793	151	SP	66.55	23183	65	A	12.20	23720	68	W	147.39
15130	152	SP	82.31	15645	145	SP	47.40	15794	151	SP	65.95	23184	65	A	12.20	23730	68	W	147.39
15140	152	SP	77.20	15730	151	SP	63.98	15795	151	SP	65.95	23185	65	A	12.20	23755	68	B	40.77
15150	152	SP	77.06	15731	151	SP	65.06	15810	153	T	459.73	23186	65	A	12.20	23765	68	B	40.77
15160	152	SP	77.61	15732	151	SP	63.98	15815	153	T	880.48	23187	65	A	12.20	23780	155	T	91.98
15170	152	SP	62.06	15733	151	SP	65.06	15835	153	T	43.75	23188	65	A	12.20	23800	68	C	140.42
15201	151	SP	54.27	15734	151	SP	66.15	15840	153	T	58.33	23189	65	A	12.20	23810	68	C	140.42
15211	151	SP	149.39	15735	151	SP	67.25	15850	153	T	102.17	23190	65	A	12.20	23820	68	C	140.42
15212	151	SP	149.39	15736	151	SP	86.73	15860	153	T	145.98	23191	65	A	20.75	23830	68	C	140.42
15213	151	SP	149.39	15737	151	SP	92.26	15865	153	T	160.58	23192	65	A	20.75	23850	68	W	140.42
15214	151	SP	149.39	15738	151	SP	94.76	15870	153	T	262.81	23193	65	B	20.75	23852	68	W	140.42
15215	151	SP	149.39	15739	151	SP	100.02	15875	153	T	321.23	23194	65	A	20.75	23854	68	W	140.42
15216	151	SP	149.39	15740	151	SP	81.50	15880	153	T	394.25	23199	65	C	12.20	23940	69	W	147.61

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23960	69	SP	147.61	28855	73	C	74.98	35007	131	W	58.48	36042	132	W	32.33	40850	157	T	94.36
24120	70	C	35.06	28860	73	SP	74.98	35010	131	C	11.64	36050	132	W	22.58	40860	157	T	94.36
24130	70	A	35.06	29503	161	T	26.25	35011	131	C	12.44	36051	132	W	26.39	40870	157	T	94.36
24160	70	C	45.36	29504	161	T	23.02	35012	131	C	13.86	36052	132	W	30.30	40880	157	T	94.36
24180	70	A	35.06	29505	161	T	19.89	35015	131	SP	59.00	36060	132	W	37.75	40900	157	T	25.73
24220	70	B	43.98	29605	150	T	29.52	35016	131	SP	60.19	36061	132	W	39.77	40910	157	T	191.77
24230	70	C	49.83	29606	150	T	29.52	35017	131	SP	61.55	36062	132	W	44.05	40915	157	T	136.25
24640	128	SP	15.73	29607	150	T	28.39	35020	131	W	11.94	36070	132	W	32.94	40920	157	T	181.23
24650	128	W	15.73	29608	150	T	28.39	35021	131	W	13.92	36071	132	W	33.48	40923	157	T	29.70
24690	128	W	15.73	29609	150	T	29.52	35022	131	W	13.55	36072	132	W	39.55	40925	157	T	29.70
24700	128	W	15.73	29610	150	T	33.95	35030	132	W	32.80	36080	134	W	48.86	40927	157	T	29.70
24701	128	W	15.73	29611	150	T	33.95	35031	132	W	33.69	36085	134	D	65.94	40929	157	T	117.33
24740	128	W	15.73	29612	150	T	43.05	35032	132	W	36.81	36087	134	C	35.20	40940	158	T	1,107.94
24750	128	W	15.73	32012	174	W	212.44	35035	134	SP	44.25	36090	132	W	35.94	41000	158	T	148.64
24751	128	W	15.73	32111	135	T	118.11	35036	134	SP	47.20	36091	132	W	47.73	41030	158	T	61.23
24790	128	W	15.73	32115	135	T	68.06	35037	134	SP	50.17	36092	132	W	56.00	41110	158	T	319.58
24800	128	C	15.73	32116	135	T	118.11	35038	134	SP	31.36	37000	156	T	22.44	44339	157	T	45.33
24850	128	C	15.73	32120	136	SP	61.30	35040	132	A	31.80	37100	74	W	11.86	45938	159	T	44.77
24900	128	C	15.73	32121	136	SP	61.30	35041	132	A	33.69	37101	74	W	13.39	45940	159	T	44.23
24950	128	C	15.73	32122	136	SP	61.30	35042	132	A	36.75	37102	74	D	16.73	47142	74	W	10.64
24960	128	SP	15.73	32123	136	SP	61.30	35050	132	W	30.36	37103	74	D	16.73	47143	74	W	12.61
24970	128	SP	15.73	32124	136	SP	61.30	35051	132	W	32.20	37104	74	W	12.02	47150	74	D	10.69
25380	69	C	21.73	32125	136	SP	61.30	35052	132	W	33.95	37105	74	D	13.39	47151	74	C	11.44
25425	71	C	43.81	32126	136	SP	61.30	35060	132	A	10.69	37106	74	C	15.06	47152	74	A	13.02
25430	71	SP	43.81	32127	136	SP	61.30	35061	132	A	11.95	37107	74	B	18.20	47153	74	A	17.36
25435	71	SP	43.81	32128	136	SP	61.30	35062	132	A	13.00	37150	75	W	121.98	47170	74	W	75.83
25440	71	SP	74.67	32131	136	SP	61.30	35070	132	W	36.06	37980	156	SP	86.25	47171	74	W	24.55
25445	71	SP	43.81	33001	174	D	19.67	35071	132	W	38.19	37985	156	T	73.83	47172	74	W	24.55
25450	71	C	74.67	33020	174	C	24.14	35072	132	W	40.36	37990	156	T	31.95	47173	74	W	26.75
25455	71	SP	783.98	33053	174	SP	12.30	35075	73	W	24.75	38354	161	T	119.27	47180	74	W	10.06
25460	71	SP	689.05	33140	137	SP	99.30	35076	73	C	24.75	38355	161	T	103.39	47181	74	D	11.30
25465	71	SP	783.98	33141	137	SP	101.73	35077	74	C	37.39	38620	156	T	37.23	47182	74	C	13.86
25470	71	W	660.20	33142	137	SP	106.48	35080	74	W	14.36	40008	158	T	6.17	47183	74	C	19.73
25480	71	W	660.20	33143	137	SP	104.14	35081	74	W	14.36	40010	158	T	27.86	47184	74	W	20.67
25485	71	SP	689.05	33144	137	SP	106.48	35082	74	W	14.36	40020	158	T	27.86	47240	75	W	22.48
25490	71	SP	738.52	33145	137	SP	101.73	36000	131	W	598.27	40030	158	T	27.86	47241	75	W	23.92
25540	72	SP	689.05	33146	137	SP	106.48	36001	132	W	55.61	40045	158	T	36.33	47242	75	W	25.64
25560	72	C	787.98	33147	137	SP	101.73	36002	132	W	58.50	40065	158	T	42.77	47700	74	SP	281.33
25680	72	SP	747.23	33148	137	SP	113.70	36003	132	W	61.64	40090	158	T	27.14	47762	74	W	14.44
25950	144	C	312.48	33149	137	SP	113.70	36010	132	W	39.11	40093	158	T	13.70	47763	74	D	14.45
25955	144	C	312.48	33171	137	T	10.36	36011	132	W	40.31	40095	158	T	58.39	47764	74	W	16.14
25960	144	C	312.48	33172	137	T	10.30	36012	132	W	42.52	40250	156	T	60.52	47765	74	W	10.50
25965	144	C	312.48	33174	173	T	73.83	36020	132	D	38.83	40260	156	T	221.52	47766	74	D	12.00
26012	72	C	12.02	35001	131	B	23.27	36021	132	D	41.06	40270	157	T	24.89	47767	74	D	13.86
26014	72	C	12.02	35002	131	B	24.11	36022	132	D	54.61	40310	157	T	48.45	47768	74	C	19.31
28810	73	B	31.23	35003	131	B	28.27	36031	132	W	34.08	40702	171	T	9.42	47769	74	W	27.06
28815	73	B	31.23	35004	131	C	37.83	36032	132	W	40.86	40706	171	T	23.98	47775	74	D	12.30
28840	73	D	103.92	35005	131	D	43.69	36040	132	W	27.23	40710	171	T	38.30	47776	74	D	18.31
28850	73	SP	74.98	35006	131	W	57.73	36041	132	W	29.52	40840	157	T	377.45	47777	74	C	23.36

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47778	74	W	32.77	67245	145	W	28.30	67665	88	B	156.20	71054	91	SP	10.30	71764	93	B	10.30
55600	159	T	135.44	67265	80	W	162.61	67667	88	B	14.20	71055	91	SP	10.30	71770	93	SP	247.08
55605	159	T	46.61	67270	80	W	127.58	67680	89	B	135.83	71061	91	SP	10.30	71771	93	C	10.30
55607	159	T	46.61	67285	81	W	137.45	67720	89	C	179.11	71062	91	SP	10.30	71772	93	C	10.30
55609	159	T	46.61	67290	81	A	128.30	67740	89	C	91.69	71065	91	SP	10.30	71773	93	C	10.30
55700	159	T	248.94	67295	81	C	122.57	67765	89	C	208.39	71066	91	SP	10.30	71774	93	C	10.30
55705	159	T	68.17	67300	81	SP	16.23	67775	89	C	208.39	71500	92	W	191.77	71776	93	C	10.30
55710	159	T	151.00	67320	82	W	127.17	67776	89	C	208.39	71520	92	A	10.30	71777	93	C	10.30
55720	159	T	33.77	67330	82	W	127.17	67800	89	A	135.81	71521	92	A	10.30	71778	93	C	10.30
62010	75	SP	192.23	67340	82	W	127.17	67805	90	B	121.48	71522	92	C	10.30	71779	93	C	10.30
63020	75	D	133.17	67350	82	W	127.17	67810	90	B	156.70	71523	92	C	10.30	71781	93	C	10.30
63030	75	D	133.17	67360	82	W	127.17	67811	90	B	156.70	71530	92	A	10.30	71782	93	C	10.30
64225	159	T	174.36	67370	82	W	127.17	68670	160	T	44.11	71531	92	A	10.30	71783	93	C	10.30
64250	173	T	443.06	67395	82	C	122.17	68750	160	T	31.94	71532	92	C	10.30	71784	93	C	10.30
65100	159	T	385.77	67410	82	A	127.39	68780	160	T	31.94	71533	92	C	10.30	71790	94	SP	185.31
66025	160	T	62.11	67415	82	B	135.80	68880	160	T	70.27	71600	92	SP	144.14	71791	94	C	10.30
66037	76	B	31.23	67420	83	A	108.64	68890	160	T	77.39	71621	92	C	10.30	71792	94	C	10.30
66040	76	C	233.86	67425	83	B	156.70	69100	90	W	299.64	71622	92	C	10.30	71793	94	C	10.30
66045	76	C	233.86	67430	83	A	97.39	69200	90	W	299.64	71623	92	C	10.30	71794	94	C	10.30
66047	76	C	233.86	67440	83	W	136.33	69250	91	W	199.23	71624	92	C	10.30	71795	94	C	10.30
66050	76	SP	48.89	67455	83	SP	177.81	69300	90	W	299.64	71625	92	C	10.30	71796	94	C	10.30
66055	76	SP	33.31	67465	83	C	115.36	69330	160	T	23.55	71631	92	C	10.30	71797	94	C	10.30
67010	77	W	84.75	67466	84	B	149.94	69400	90	W	299.64	71632	92	C	10.30	71798	94	C	10.30
67015	77	SP	88.39	67467	84	A	135.80	69450	91	W	240.39	71700	92	SP	205.92	71799	94	C	10.30
67018	77	C	115.25	67475	84	SP	237.44	69460	91	W	242.23	71720	92	A	10.30	71930	94	C	TBA
67020	77	C	86.69	67485	84	SP	115.31	70050	162	SP	7.20	71721	92	A	10.30	71932	94	C	TBA
67025	77	C	86.69	67487	85	D	156.70	70210	171	T	53.69	71722	92	C	10.30	71933	94	C	TBA
67030	77	A	84.19	67490	85	D	126.67	70606	171	T	26.95	71723	92	C	10.30	71934	94	C	TBA
67065	78	C	138.92	67493	85	C	57.67	71000	91	C	115.33	71724	92	C	10.30	71935	94	C	TBA
67070	78	W	90.50	67495	85	C	136.25	71020	91	C	9.61	71725	92	C	10.30	71909	160	T	173.98
67075	145	W	53.50	67510	85	SP	79.55	71021	91	C	9.61	71730	92	A	10.30	71959	160	T	33.48
67080	78	C	85.48	67515	85	SP	79.55	71022	91	C	9.61	71731	92	A	10.30	71969	160	T	33.48
67090	78	A	122.17	67520	86	SP	128.30	71023	91	C	9.61	71732	92	C	10.30	71979	160	T	33.48
67095	78	C	122.17	67525	86	D	118.30	71024	91	C	9.61	71733	92	C	10.30	71989	160	T	36.80
67105	79	C	135.81	67530	86	D	118.30	71025	91	C	9.61	71740	93	SP	226.50	71999	160	T	36.80
67110	79	C	109.69	67540	86	SP	331.23	71030	91	SP	185.31	71741	93	C	10.30	72040	94	C	327.61
67115	79	C	127.17	67545	86	SP	120.33	71031	91	SP	10.30	71742	93	C	10.30	72045	94	SP	230.92
67125	79	A	118.30	67550	86	SP	120.33	71032	91	SP	10.30	71743	93	C	10.30	72050	95	B	125.70
67135	79	A	118.30	67555	86	SP	96.25	71033	91	SP	10.30	71744	93	C	10.30	72052	95	SP	312.48
67145	79	A	118.30	67570	87	SP	128.30	71034	91	SP	10.30	71745	93	C	10.30	72055	95	C	38.45
67155	79	W	118.30	67580	87	A	115.20	71035	91	SP	10.30	71751	93	C	10.30	72060	95	SP	513.17
67165	79	D	118.30	67590	87	C	122.08	71041	91	SP	10.30	71752	93	C	10.30	72062	145	SP	271.69
67170	79	D	118.30	67610	87	W	510.50	71042	91	SP	10.30	71754	93	C	10.30	72065	96	SP	575.75
67180	79	D	118.30	67620	87	W	575.75	71045	91	SP	10.30	71755	93	C	10.30	72070	96	SP	575.75
67190	79	C	118.30	67630	87	SP	523.42	71046	91	SP	10.30	71756	93	C	10.30	72080	96	SP	575.75
67195	79	D	118.30	67640	87	C	216.48	71050	91	SP	185.31	71758	93	C	10.30	72090	96	SP	575.75
67210	80	W	248.61	67647	160	T	19.19	71051	91	SP	10.30	71760	93	W	61.77	72095	161	T	46.95
67220	80	W	118.30	67655	88	SP	128.30	71052	91	SP	10.30	71762	93	B	10.30	72110	96	SP	518.05
67230	80	A	115.25	67660	88	B	156.20	71053	91	SP	10.30	71763	93	B	10.30	72115	97	SP	407.50

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72116	97	C	203.75	75585	138	T	98.30	81139	164	T	95.05	83180	112	SP	35.20	87330	117	B	85.98
72117	97	C	203.75	75600	104	A	11.86	81240	105	W	31.20	83185	112	C	35.20	87350	117	D	34.25
72120	161	T	27.11	75610	104	B	17.61	81250	105	A	25.75	83710	112	D	30.61	87365	118	SP	33.98
72123	97	SP	684.95	75800	104	A	11.86	81260	105	A	25.75	83775	164	T	67.94	87385	118	A	49.73
72130	97	SP	590.56	75910	104	T	11.64	81270	105	A	28.45	83785	165	T	166.36	87400	118	A	44.42
72180	98	SP	454.44	75915	104	T	31.30	81280	105	A	30.56	83788	139	T	18.81	87420	118	A	18.08
72185	98	SP	127.17	75920	104	T	2.67	81290	105	A	30.56	83790	112	C	30.61	87430	118	SP	38.52
72190	98	SP	575.75	75970	104	C	28.33	81295	105	B	34.77	83820	165	T	51.58	87500	119	A	48.77
72240	99	SP	325.98	75980	163	T	80.69	81305	105	C	25.75	83850	165	T	61.64	87515	119	A	34.94
72245	99	C	108.67	75990	163	T	80.69	81309	138	T	107.58	84120	112	B	24.94	87520	119	A	39.44
72250	99	SP	108.67	76000	163	T	80.69	81310	106	A	30.89	84130	112	B	24.94	87530	166	T	27.94
72255	99	C	108.67	76610	162	T	39.86	81320	106	B	89.02	84238	139	W	11.20	87535	119	D	22.48
72260	99	B	128.70	76615	162	T	39.86	81335	106	C	149.39	84690	113	D	18.19	87540	119	W	75.39
72262	100	SP	312.48	76620	162	T	39.86	81340	107	C	143.67	84695	113	D	18.19	87545	119	W	75.39
72265	100	B	36.61	76625	162	T	39.86	81351	107	B	337.48	85125	165	T	154.27	87550	145	SP	258.08
72270	100	SP	549.89	76630	162	T	39.86	81352	107	B	337.48	85126	165	T	30.67	87555	145	SP	258.08
72290	100	W	125.70	76635	162	T	39.86	81353	107	W	674.96	85127	165	T	43.27	87560	166	T	44.25
72295	101	B	147.39	76640	162	T	39.86	81358	107	SP	749.77	85128	165	T	82.27	87570	166	T	44.25
72345	101	SP	298.86	76645	162	T	39.86	81361	107	B	337.48	85130	165	T	78.23	87910	154	T	1,124.92
72350	101	C	59.80	76650	162	T	39.86	81362	107	B	337.48	85137	165	T	43.27	88120	62	SP	31.22
72355	101	SP	20.33	76655	162	T	39.86	81363	107	W	674.96	85600	113	SP	54.58	88210	61	SP	603.98
72450	101	D	180.52	76660	162	T	39.86	81368	107	SP	749.77	85690	113	W	13.89	88260	61	SP	516.45
72509	161	T	267.02	76665	162	T	39.86	81371	107	B	337.48	85695	113	W	14.42	88270	61	SP	661.05
72610	102	SP	945.58	76670	162	T	39.86	81372	107	B	337.48	85774	165	T	11.25	88325	167	T	42.86
72613	102	SP	81.45	76700	162	T	157.83	81373	107	W	674.96	85796	165	T	96.70	88360	167	T	45.33
73000	103	SP	809.73	76760	162	T	39.86	81378	107	SP	749.77	86140	113	B	134.31	88700	61	SP	261.36
73005	103	SP	720.05	76800	162	T	337.08	82017		SP	24.95	86180	113	B	66.95	88830	167	T	124.55
73010	161	T	157.31	76900	162	T	396.02	82070	108	C	47.45	86250	114	A	48.08	88901	119	X	116.31
73119	161	T	122.17	76750	163	T	108.64	82080	108	B	21.58	86252	114	B	97.20	88902	119	X	116.31
73400	102	D	33.45	77350	164	T	92.48	82085	108	B	24.98	86255	114	SP	21.06	88903	119	X	78.92
73415	102	W	14.44	77880	164	T	158.50	82090	108	B	14.94	86320	114	C	11.25	88904	119	X	78.92
73600	102	B	51.44	77928	169	T	46.83	82100	108	W	74.92	86321	114	C	12.44	88905	119	X	68.31
73620	102	B	64.95	77938	169	T	68.77	82110	109	C	25.42	86325	115	A	31.50	88915	120	SP	137.44
74400	163	T	38.05	79230	164	T	12.67	82120	109	C	31.42	86326	115	C	31.50	88920	120	SP	149.94
74500	163	T	38.05	79240	164	T	12.67	82130	109	B	27.14	86330	115	W	67.50	88940	120	W	111.77
74600	163	T	38.05	80199	106	SP	63.25	82360	109	SP	27.20	86350	115	C	67.50	89000	167	T	111.08
74910	163	T	86.06	80206	171	T	27.19	82365	109	D	38.30	86360	115	C	14.14	89199	120	W	107.64
74914	163	T	30.70	80210	171	T	40.52	82370	110	W	35.98	86370	115	C	6.80	89299	120	C	113.56
74915	163	T	30.70	80299	106	SP	66.70	82380	110	B	38.30	86375	116	A	35.80	89399	120	C	118.08
75200	104	A	11.86	80399	106	SP	72.30	82385	110	SP	38.30	86376	116	C	42.05	89499	120	C	124.69
75400	104	A	11.86	80499	106	SP	78.19	82387	110	SP	71.61	86470	116	W	679.27	89599	120	D	129.64
75500	162	T	158.70	80599	106	SP	78.19	82390	110	C	38.30	86640	116	B	67.94	89635	120	D	144.36
75520	162	T	39.86	80699	106	SP	88.42	82395	110	D	45.11	86680	117	B	50.33	89675	120	W	86.67
75525	162	T	39.86	80799	106	SP	88.14	82400	111	D	38.30	87175	166	T	43.55	89685	120	W	203.17
75530	162	T	39.86	80899	106	SP	89.31	82420	111	D	67.89	87270	117	W	43.67	89699	120	D	131.25
75550	162	T	39.86	80999	106	SP	95.55	83115	111	D	98.05	87280	117	W	40.31	89799	120	W	137.83
75555	162	T	39.86	81099	106	SP	101.19	83125	138	T	81.06	87310	117	A	34.14	89899	120	W	138.17
75560	162	T	39.86	81133	164	T	5.06	83160	111	D	31.56	87320	166	T	45.33	90203	171	T	30.11
75580	138	T	98.30	81134	164	T	7.80	83170	111	B	35.20	87325	166	T	41.98	90310	171	T	54.20

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NUMERICAL INDEX & RETAIL PRICING (U.S. DOLLARS)

Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	Pop†	MSRP	Item	Page	MSRP
91000	168	T	250.30	92045	148	SP	26.89	93470	148	SP	102.17	94371	125	SP	359.06	20108	176	2.95
91010	168	T	278.14	92046	147	SP	219.77	93480	148	SP	102.17	94374	126	SP	855.00	20109	176	2.95
91025	166	T	446.30	92050	148	SP	21.17	93490	148	SP	102.17	94378	126	SP1,018.95	20503	177	2.95	
91030	166	T	71.27	92052	147	SP	219.77	94000	121	SP	341.94	94390	126	SP	540.94	20504	177	2.95
91040	139	T	708.17	92053	147	SP	219.77	94001	121	SP	36.52	94391	126	SP	540.94	63000L	177	29.95
91045	168	T	13.56	92054	147	SP	219.77	94002	121	SP	38.98	94392	126	SP	540.94	63000M	177	29.95
91088	169	T	295.77	92055	148	SP	29.19	94003	121	SP	48.75	94393	126	SP	293.06	63000XL	177	29.95
91100	168	T	68.19	92056	147	SP	219.77	94004	121	SP	43.45	94394	126	SP	293.06	63000XXL	177	29.95
91800	139	T	3,186.81	92060	148	SP	25.52	94006	121	SP	36.52	94450	127	SP	340.80	63007	177	13.95
91841	139	T	864.05	92065	148	SP	32.08	94007	121	SP	40.80	94451	127	SP	340.80	63010L	177	24.95
91844	140	T	111.83	92080	148	SP	25.52	94008	121	SP	38.98	94460	127	SP	340.80	63010M	177	24.95
91851	170	T	565.11	92090	148	SP	25.52	94009	121	SP	51.11	94461	127	SP	340.80	63010XL	177	24.95
91860	140	T	111.31	92142	147	SP	219.77	94010	121	SP	42.58	94800	121	SP	359.02	63010XXL	177	24.95
91877	140	T	227.89	92242	147	SP	219.77	94011	121	SP	42.58	95332	127	SP	113.52	66010L	177	14.95
91887	140	T	253.75	92244	147	SP	219.77	94013	148	SP	20.75	95336	127	SP	855.00	66010M	177	65.95
91888	140	T	253.08	92252	147	SP	219.77	94014	148	SP	36.52	95338	127	SP	51.19	66010XL	177	65.95
91889	140	T	382.77	92254	147	SP	219.77	94016	121	SP	102.17	95339	129	SP	24.31	63012	177	149.95
91890	140	T	591.98	92342	147	SP	219.77	94017	121	SP	102.17	97100	148	SP	35.80	66015	178	17.26
91891	141	T	304.42	92344	147	SP	219.77	94018	121	SP	102.17	97650	167	T	68.00	66020L	178	24.95
91896	141	T	144.94	92352	147	SP	219.77	94019	121	SP	102.17	99361	169	T	118.31	66020M	178	24.95
91988	141	T	623.77	92354	147	SP	219.77	94041	148	SP	147.61	99374	169	T	108.94	66020S	178	24.95
91990	141	T	964.73	92542	147	SP	219.77	94100	148	SP	144.02	99511	170	T	501.50	66020XL	178	24.95
92002	149	SP	71.95	92546	147	SP	219.77	94210	122	SP	383.98	99512	170	T	504.30	66065L	178	14.95
92003	149	SP	73.92	92552	147	SP	219.77	94215	122	SP	426.11	99515	141	T	573.86	66065M	178	14.95
92004	149	SP	53.81	92556	147	SP	219.77	94220	122	SP	102.19	99516	170	T	121.94	66065XL	178	14.95
92005	148	SP	21.02	92646	147	SP	219.77	94304	125	SP	58.56	99517	141	T	755.64	66065XXL	178	14.95
92006	149	SP	56.64	92656	147	SP	219.77	94305	124	SP	381.06	99548	170	T	423.42	66070L	177	14.95
92007	149	SP	73.20	92740	125	SP	263.80	94306	125	SP	58.56	99684	169	T	1,163.58	66070M	177	65.95
92008	149	SP	73.20	92748	125	SP	293.11	94320	124	SP	341.94	99750	169	T	1,723.33	66070XL	177	65.95
92009	149	SP	73.20	92749	125	SP	293.11	94330	124	SP	381.06	99801	141	T	504.11	66070XXL	177	65.95
92010	148	SP	1.36	92750	125	SP	293.11	94331	124	SP	381.06	99884	170	T	541.17	66074L	178	14.95
92011	148	SP	2.02	92751	125	SP	293.11	94332	124	SP	381.06	99886	170	T	794.86	66074M	178	14.95
92013	148	SP	21.02	93000	121	SP	322.39	94340	124	SP	359.02	99918	169	T	116.89	66074XL	178	14.95
92014	148	SP	0.83	93010	121	SP	322.39	94344	125	SP1,018.95	99961	169	T	36.67	66074XXL	178	14.95	
92019	148	SP	0.64	93040	121	SP	392.58	94346	127	SP	113.52	204508	161	T	63.52	66074XXXL	178	14.95
92021	148	SP	98.58	93050	121	SP	392.58	94348	127	SP	51.19	305227	161	T	45.83	67001	178	2.99
92025	148	SP	25.52	93400	148	SP	102.17	94350	125	SP	359.02	305228	161	T	59.77	67002	178	0.99
92033	149	SP	79.44	93410	148	SP	102.17	94355	125	W	359.06				67008	178	0.99	
92035	149	SP	79.44	93420	148	SP	102.17	94356	125	SP	359.02				SPC Gear	88034	178	16.76
92040	148	SP	16.69	93430	148	SP	102.17	94360	125	SP	359.06	20105	176	14.95		88036	178	16.76
92042	147	SP	219.77	93440	148	SP	102.17	94368	125	SP	359.06	20106	137	14.95				
92043	147	SP	219.77	93450	148	SP	102.17	94369	125	SP	359.06	20107	176	14.95				
92044	147	SP	219.77	93460	148	SP	102.17	94370	125	SP	359.06	20107S	176	14.95				

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