

Alignment

Camber/Caster Tools | Light Truck/SUV Alignment Tools
Heavy Duty Truck Alignment Tools | Alignment Systems



➔ EZ-Shims™, EZ-CAM™ XR Camber Kits, Camber Arm, EZ Arm



FULL CONTACT DUAL ANGLE EZ SHIMS™

- Full contact/dual angle
- Corrects toe and camber with one shim
- Total of three shims cover most shimable FWD vehicles
- ESTIMATED INSTALLATION TIME: .5/hr. side



ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
221-75200	75200	Blue	Audi, Chevrolet/Geo, Chrysler, Dodge, Eagle, Isuzu, Plymouth, Volkswagen
221-75400	75400	Grey	Acura, Audi, Buick, Chevrolet, Chrysler, Dodge, Ford, Honda, Mercury, Nissan, Oldsmobile, Plymouth, Pontiac
221-75600	75600	Yellow	Buick, Cadillac, Chevrolet, Chrysler, Geo, Olds, Pontiac, Scion, Toyota, VW
221-75800	75800	Red	Buick, Cadillac, Chevrolet, Geo, Lexus SP, Oldsmobile, Pontiac, Toyota

FOCUS, MAZDA 3, CELICA 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



225-67420

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
225-67420	67420	Focus, Mazda 3 Camber Arm	FORD: 2000 & Up Focus; MAZDA: 2004 & Up Mazda 3, 2006 & Up Mazda 5; VOLVO: 2004 & Up S40, 2004 & Up V50 67440; TOYOTA: 2000 - 05 Celica
225-67440	67440	Toyota Celica Camber Arm	CELICA: - 2000 to 2005

HONDA, ACURA EZ ARM

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

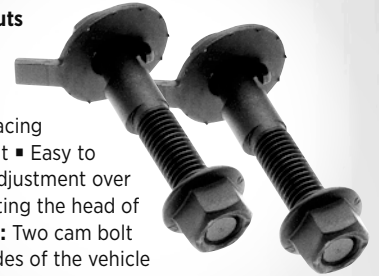


225-67290

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
225-67290	67290	Honda, Acura EZ Arm	ACURA: 2001 & Up MDX, 2003 & Up TSX; HONDA: 2003 & Up Accord, 1999 - 04 Odyssey, 2003 & Up Pilot

EZ-CAM™ XR - CAMBER KITS FOR DOMESTIC/ IMPORT TWO BOLT STRUTS (PAIR)

- Designed for non-slotted struts
- Allows both positive and negative camber changes up to approximately 1.75° (depending on vehicle) by replacing the upper O.E. strut/spindle bolt
- Easy to use adjuster provides built-in adjustment over the life of a vehicle just by rotating the head of the bolt
- **EACH KIT CONTAINS:** Two cam bolt assemblies, enough for both sides of the vehicle
- **ESTIMATED INSTALLATION TIME:** .4 hr/side



ASCOT NO. FOR SPECIALTY	SPECIALTY NO.	ASCOT NO. FOR INGALLIS	INGALLS NO.	DESCRIPTION	APPLICATIONS
223-81240	81240	223-03540	I-81250	Replacement 10mm Bolts	Alfa Romeo, Fiat, Lancia
223-81250	81250	223-03541	I-81280	Replacement 12mm Bolts	Chevrolet, Cadillac, Daihatsu, Daewoo, Dodge, Eagle, Ford, Geo, Hyundai, Infiniti, Isuzu, Mazda, Mercury, Mitsubishi, Nissan, Plymouth, Pontiac, Porsche, Renault, Saab, Saturn, Suzuki, Toyota, Volkswagen, Volvo, Yugo
223-81260	81260	223-03542	I-81260	Replacement 14mm Bolts	Chevrolet, Chrysler, Daewoo, Dodge, Hyundai, Infiniti, Mitsubishi, Nissan, Plymouth, Saturn, Subaru, Toyota, Volvo
223-81270	81270	223-03543	I-81270	Replacement 15mm Bolts	Geo, Lexus, Toyota
223-81280	81280	223-03544	I-81280	Replacement 16mm Bolts	Acura, Buick, Cadillac, Chevrolet, Chrysler, Dodge, Eagle, Ford, Honda, Hyundai, Kia, Lincoln, Mercury, Oldsmobile, Pontiac: This kit may also be used on GM vehicles equipped with aftermarket slotted struts with the addition of our new adapter plate, #81286
223-81290	81290	223-03545	I-81290	Replacement 17mm Bolts	Lexus, Toyota



AIR SYSTEMS // CAMBER TOOLS & KITS

➔ Passenger Car Alignment Accessories



LIGHT TRUCK/SUV SLEEVE ASSORTMENT BOARD SET

▪ This great new board set includes the most popular parts for aligning today's trucks and SUVs. Don't be caught without the part that you need

▪ Shipped with the polymer display board



251-88270

PASSENGER CAR ALIGNMENT ASSORTMENT BOARD SET

▪ Board set includes the most popular shims, cam kits and adjustable strut plates ▪ A "must have" for any shop performing 4 wheel alignments on passenger cars

▪ Shipped with high-strength polymer display board



251-88260

ASCOT NO.	MFG. NO.	DESCRIPTION
251-88270	88270	Light Truck/SUV Sleeve Assortment Board

BOARD INCLUDES ONE EACH OF THE FOLLOWING:

26012	JEEP CAMBER SHIMS: 2 each of +.5° and +1.0° to correct camber on WJ, KJ & JK
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 and Ram Trucks. (1)
82385	DODGE 4X4 CASTER CAMS: Camber/Pinion cams for 3/4 and 1-ton sold 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 3500's. (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, 3500 & Express Vans. (1)
87385	FORD F150 FRONT CAMBER: Cam bolt assemblies for 1997-2003 F150s and F250 (LDs). (1)
87420	GM REAR CAM NUT: Cams for 2005 & Up Theta platforms, including Suzuki XL-7's. (2)
87500	FORD EXPLORER FRONT CAMBER/CASTER KIT: For 1995-2001 Explorers, 1998 & Up Rangers. (1)
87520	NISSAN CAMBER/CASTER KIT: For 2004 & Up Titan and 2005 & Up Pathfinder, Xterra. (2)

ASCOT NO.	MFG. NO.	DESCRIPTION
251-88260	88260	Passenger Car Assortment Board Set

BOARD INCLUDES ONE EACH OF THE FOLLOWING:

66050, 66025	CHRYSLER/DODGE BUSHING & BUSHING PRESS ADAPTERS: Everything you need to adjust rear camber on the popular Chrysler X 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	EZ CAMS XR™: Camber kits for domestic and imported vehicles with two bolt non-slotted struts. 12mm. 1 kit included. Each kit contains two cam bolt assemblies, enough for both sides of the vehicle.
81260	EZ CAMS XR™: Camber kits for domestic and imported vehicles with two bolt non-slotted struts. 14mm. 2 kits included. Each kit contains two cam bolt assemblies, enough for both sides of the vehicle.
81270	EZ CAMS XR™: Camber kits for domestic and imported vehicles with two bolt non-slotted struts. 15mm. 1 kit included. Each kit contains two cam bolt assemblies, enough for both sides of the vehicle.
81280	EZ CAMS XR™: Camber kits for domestic and imported vehicles with two bolt non-slotted struts. 16mm. 1 kit included. Each kit contains two cam bolt assemblies, enough for both sides of the vehicle.
81290	EZ CAMS XR™: Camber kits for domestic and imported vehicles with two bolt non-slotted struts. 17mm. 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

ALIGNMENT // PASSENGER CAR ALIGNMENT

➔ Light Truck/SUV Camber/Caster Sets

FORD 4WD CAMBER/CASTER SLEEVE SET

▪ **Change camber, caster or both at the same time.** Remove the tire, cotter pin and upper ball joint stud nut and break the taper free between the stud and sleeve ▪ To adjust camber/caster, the sleeve may be lifted and rotated 1/8 turn ▪ Sized in 1/4° increments through 2° ▪ One sleeve covers one side of the vehicle
 ▪ **ESTIMATED INSTALLATION TIME:** .5 hr/side



231-23100

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
231-23100	23100	Complete Set	FORD 4WD: 1980 & Up F250, F350, E250, E350, Full Size Bronco w/Ball Joints, 1980-96 F150, F250 (L/D)

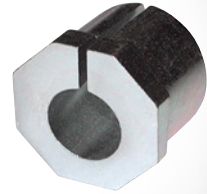
SET CONTENTS:

ASCOT NO. FOR SPECIALTY	SPECIALTY NO.	ASCOT NO. FOR INGALLIS	INGALLIS NO.	TOTAL	CHANGE
231-23101	23101	231-66501	I-23101	.25°	(1/4°)
231-23102	23102	231-66502	I-23102	.50°	(1/2°)
231-23103	23103	231-66503	I-23103	.75°	(3/4°)
231-23104	23104	231-66504	I-23104	1.00°	(1°)
231-23105	23105	231-66505	I-23105	1.25°	(1-1/4°)
231-23106	23106	231-66506	I-23106	1.50°	(1-1/2°)
231-23107	23107	231-66507	I-23107	1.75°	(1-3/4°)
231-23108	23108	231-66508	I-23108	2.00°	(2°)
231-23109	23109	231-66509	I-23109	0.00°	(0°)
231-23111	23111*	231-66511	I-23111	2.25°	(2-1/4°)
231-23112	23112*	231-66512	I-23112	2.50°	(2-1/2°)
231-23113	23113*	231-66513	I-23113	2.75°	(2-3/4°)

* Extended range sold separately.

FORD & DODGE CAMBER/CASTER SLEEVE SET

▪ **Sleeves change camber, caster or both at the same time** ▪ Remove the upper ball joint stud nut and break taper free between the stud and sleeve ▪ Calculate the change and install correct sleeve ▪ Sized in 1/4° increments ▪ One sleeve covers one side of the vehicle
 ▪ **ESTIMATED INSTALLATION TIME:** .5 hr/side



231-23130

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
231-23130	23130	Complete Set	DODGE: 1994-99 BR2500 4WD, BR3500 2WD/4WD Ford 4WD: 1992 & Up F350 Crew Cab Pickup, Some F250 4WD w/Straight Axle, 1999 & Up Super Duty 250, 350, 450, 550

SET CONTENTS:

ASCOT NO.	MFG. NO.	TOTAL	CHANGE
231-23131	23131	.25°	(1/4°)
231-23132	23132	.50°	(1/2°)
231-23133	23133	.75°	(3/4°)
231-23134	23134	1.00°	(1°)
231-23135	23135	1.25°	(1-1/4°)
231-23136	23136	1.50°	(1-1/2°)
231-23139	23139	1.75°	(1-3/4°)
231-23128	23128	2.00°	(2°)
231-23129	23129	0.00°	(0°)

CAMBER/CASTER TERMS & DEFINITIONS

ALIGNMENT TERMS for CAMBER

- DEFINITION** Inward or outward tilt of the top of the wheel
- PURPOSE** Adjustment centers the vehicle's load on tire, eliminating pull. Proper adjustments reduce camber tire wear and pulling
- METHODS OF ADJUSTMENT** (1) Shims; (2) Cams; (3) Slotted Frame; (4) Strut Rod; (5) Wedges; (6) Ball Joint Rotation; (7) Offset Bearing Plates; (8) Cam Bolts; (9) Eccentrics; (10) Offset Ball Joints
- 0 CAMBER** When wheel and tire assembly are in exact vertical position
- POS. CAMBER** When the top of the wheel and tire assembly is tilted out, or away from the engine
- NEG. CAMBER** The top of the wheel and tire assembly is tilted in toward the engine

ALIGNMENT TERMS for 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 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
- POS. 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
- NEG. 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

➔ Light Truck/SUV Camber/Caster Sets



23220 & 23230 SLEEVE SETS

▪ Ford changed the axle design in 2005 on their Heavy Duty trucks. **These sleeves correct camber and caster on the new 4x4 F250 and F350 Super Duty trucks**



231-23220



231-23230

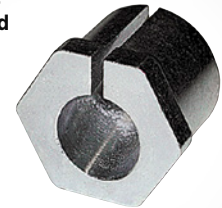
ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
231-23220	23220	Complete Set	FORD 4WD: 2005 & Up F250, F350 Super Duty; FORD RWD: 2005 & Up F250, F350 Solid Axle/Coil Spring
231-23230	23230	Complete Set	FORD RWD/4WD: 2005 & Up F450, F550 Coil Springs; CHEVY/GMC 4WD: 2005 & Up Kodiak K4500, Topkick K5500

SET CONTENTS:

ASCOT NO.	MFG. NO.	CAMBER	CHANGE
231-23220			
231-23221	23221	.25°	(1/4")
231-23222	23222	.50°	(1/2")
231-23223	23223	.75°	(3/4")
231-23224	23224	1.00°	(1")
231-23225	23225	1.25°	(1-1/4")
231-23226	23226	1.50°	(1-1/2")
231-23227	23227	1.75°	(1-3/4")
231-23228	23228	2.00°	(2")
231-23229	23229	0.00°	(0")
231-23211	23211	2.25°	(2-1/4")
231-23212	23212	2.50°	(2-1/2")
231-23230			
231-23231	23231	.25°	(1/4")
231-23232	23232	.50°	(1/2")
231-23233	23233	.75°	(3/4")
231-23234	23234	1.00°	(1")
231-23235	23235	1.25°	(1-1/4")
231-23236	23236	1.50°	(1-1/2")
231-23237	23237	1.75°	(1-3/4")
231-23238	23238	2.00°	(2")
231-23239	23239	0.00°	(0")

FORD 2 & 4WD CAMBER/CASTER TRUCK SLEEVES

▪ **Sleeves are widely used to adjust caster and/or camber on many Ford 2WD/4WD trucks** ▪ To install, simply loosen and remove upper ball joint pinch bolt. Remove top snap ring if one is present
 ▪ Sleeves allow for larger caster and camber changes which may be required on lowered and raised trucks ▪ **SET INCLUDES:** Nine of the XRTM Camber/Caster truck sleeves



231-23180

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
231-23180	23180	Complete Set	FORD 2WD: 1987 & Up F350, 1987-96 F150, F250 (L/D), 1989-90 Bronco II, 1992 & Up E150, E250, E350, 1991-94 Explorer, 1989 -97 Ranger, 1999 & Up F250, F350 Super Duty; MAZDA 2WD: 1991-97 Navajo, Pickup; Ford 4WD: 1991-94 Explorer, 1990 - 97 Ranger; MAZDA 4WD: 1991-97 Navajo, Pickup

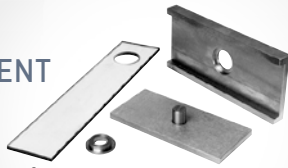
SET CONTENTS:

ASCOT NO. FOR SPECIALTY	SPECIALTY NO.	ASCOT NO. FOR INGALLIS	INGALLIS NO.	2WD ADJ. TOTAL CHANGE	4WD ADJ. TOTAL CHANGE
231-23181	23181	231-56501	I-23181	.25° (1/4")	.20°
231-23182	23182	231-56502	I-23182	.50° (1/2")	.40°
231-23183	23183	231-56503	I-23183	.75° (3/4")	.60°
231-23184	23184	231-56504	I-23184	1.00° (1")	.75°
231-23185	23185	231-56505	I-23185	1.25° (1-1/4")	.90°
231-23186	23186	231-56506	I-23186	1.50° (1-1/2")	1.10°
231-23187	23187	231-56507	I-23187	1.75° (1-3/4")	1.25°
231-23188	23188	231-56508	I-23188	2.00° (2")	1.40°
231-23189*	23189	231-56509	I-23189	2.25° (2-1/4")	1.60°
231-23190*	23190	231-56510	I-23190	2.50° (2-1/2")	1.80°
231-23191*	23191	231-56511	I-23191	2.75° (2-3/4")	2.00°
231-23192*	23192	231-56512	I-23192	3.00° (3")	2.25°
231-23193*	23193	231-56513	I-23193	3.25° (3-1/4")	2.50°
231-23194*	23194	231-56514	I-23194	3.50° (3-1/2")	2.75°
231-23199	23199	231-56500	I-23199	0°	0°

* Extended range sold separately.

➔ Light Truck/SUV Camber/Caster Sets

THRUST ALIGNMENT PLATES



▪ **Allows for corrections of setback and thrust angle on most vehicles with rear leaf springs**

▪ Install 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 ▪ Kit includes multiple parts to provide coverage of most vehicles with rear leaf springs, including all early model passenger cars ▪ One kit covers one side of the vehicle ▪ **ESTIMATED INSTALLATION TIME: .3 hr/side** ▪ **NOTE:** Allow extra time for rusted bolts - new, longer U-Bolts may be required

231-63020



F150/250 (L/D) 2/4WD CAMBER/CASTER KIT

▪ **Used to change caster and/or camber on the new F150, F250 (L/D), Expedition and Navigator**
 ▪ Replace the existing upper control arm mounting bolts with these cam bolts for caster/camber changes up to 2.0° ▪ One kit covers both sides of the vehicle
 ▪ **ESTIMATED INSTALLATION TIME: .5 hr/side**



231-87385

ASCOT NO. FOR SPECIALTY	SPECIALTY NO.	ASCOT NO. FOR INGALLS	INGALLS NO.	DESCRIPTION	APPLICATIONS
231-87385	87385	231-00290	I-87385	F/150/250, 2/4WD Camber Caster Kit	FORD: 1997-03 F150, F250 (L/D), 1997-02 2WD & 4WD Expedition; LINCOLN: 1997-02 2WD & 4WD Navigator

ASCOT NO.	MFG. NO.	DESC.	APPLICATIONS
231-63020	63020	2-3/8" Width	Vehicles with 2-3/8" wide to 2-3/4" wide leaf springs including 60mm, 65mm and 70mm leaf springs of import trucks; all passenger vehicles with rear leaf springs
231-63030	63030	3" Width	Vehicles with 3", 3-1/2" and 3-5/8" wide leaf springs including 80mm, 90mm and 100mm wide leaf springs

GM 2WD & 4WD CAMBER/CASTER KIT

▪ **Replaces the upper control arm mounting bolts** ▪ Remove the O.E. bolts and replace with these cams, rotating them to provide up to 2° camber and/or caster adjustment
 ▪ One kit covers both sides of the vehicle
 ▪ **ESTIMATED INSTALLATION TIME: .5 hr/side**



231-87400

ASCOT NO. FOR SPECIALTY	SPECIALTY NO.	ASCOT NO. FOR INGALLS	INGALLS NO.	DESCRIPTION	APPLICATIONS
231-87400	87400	231-00288	I-87400	GM 2/4WD Camber Caster Kit	GM: 1988-99 1500, 2500, 3500 C & K series 2WD/4WD trucks, 1990 & up Safari AWD Van; CHEVROLET: 1990 & up Astro AWD Van

EXPLORER CAMBER/CASTER KIT

▪ **Set of 4 cams for quick installation without having to remove the upper control arm bolt**



231-87310

▪ Change camber and caster up to ±1.75° ▪ One kit covers both sides of the vehicle ▪ **ESTIMATED INSTALLATION TIME: .3 hr/side**

ASCOT NO.	MFG. NO.	DESC.	APPLICATIONS
231-87310	87310	Explorer Camber/Caster Kit	FORD: 1995-01 2WD & 4WD Explorer, 1998-02 2WD & 4WD Ranger; MERCURY: 1995-01 & up 2WD & 4WD Mountaineer; MAZDA: 1998 2WD & 4WD B-Series Pickup

GM 2WD & 4WD CAMBER/CASTER KIT

▪ **Kit will provide up to 2° positive or negative camber/caster adjustment** ▪ Replace the O.E. upper control arm mounting bolts with the #87500 cam bolts for fast and efficient adjustment ▪ One kit covers both sides of the vehicle ▪ **ESTIMATED INSTALLATION TIME: .5 hr/ side passenger side; .7 hr/side driver side**



231-87500

ASCOT NO. FOR SPECIALTY	SPECIALTY NO.	ASCOT NO. FOR INGALLS	INGALLS NO.	DESCRIPTION	APPLICATIONS
231-87500	87500	231-00286	I-87500	Ford Explorer Camber/Caster Set	FORD: 1995-01 2WD & 4WD Explorer, 1998 & up 2WD & 4WD Ranger; MERCURY: 1995-01 2WD & 4WD Mountaineer; MAZDA: 1998 2WD & 4WD B-Series Pickup

➔ Light Truck/SUV Camber/Caster Sets



**JEEP AND DODGE
OFFSET BALL JOINT**

▪ Offset ball joint replaces the O.E. upper ball joint to provide up to 2° camber/ caster change on several previously non-adjustable Jeep and Dodge vehicles ▪ Comes with an installation template for accurate change



237-23520

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
237-23510	23510	1/2° Positive Or Negative Change	JEEP: 1984 & up 2WD/4WD Cherokee, Comanche, 1987 & up Wrangler; 1990 & up Renegade, 1984 & up 2WD/4WD downsize Wagoneer; 1993 & up Grand Cherokee, DODGE: 1994 -2001 BR1500 4WD & BR2500 (L/D) Pickups
237-23520	23520	1° Positive Or Negative Change	
237-23530	23530	1-1/2° Positive Or Negative Change	
237-23540	23540	2° Positive Or Negative Change	

BALL JOINT PRESS SLEEVES

▪ These specially designed sleeves make installation of the #23510-40 ball joints easy and profitable for the installer ▪ Sleeves are designed to match the angle of the yoke on the axle housing to insure proper ball joint



231-23580

ASCOT NO.	MFG. NO.	DESCRIPTION
231-23580	23580	Bushing Sleeves For Ball Joints 23510, 23520, 23530, 23540

**DODGE TRUCK CAMBER/
CASTER KITS**

▪ Heavy duty bolts and brackets replace the upper control arm mounting bolts giving you both camber and caster adjustments for this popular series of Dodge trucks ▪ Caster adjustments from -1.5° to +1.5° and camber adjustments from -1.0° to +1.0° ▪ **KIT INCLUDES:** 4 cam and bolt sets to cover both sides of the vehicle



231-23755

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
231-23755	23755	Dodge Camber/Caster Kit, 4 Wheel Drive	DODGE: 2002 & Up 1500 Series - 4 Wheel Drive
231-23765	23765	Dodge Camber/Caster Kit, 2 Wheel Drive	DODGE: 2002 & Up 1500 Series - 2 Wheel Drive

**FORD PINCH BOLT AXLE
ADJUSTABLE BUSHING**

- Camber adjustment up to +/- 2-1/2° on full size and 1-3/4° on downsize
- **ESTIMATED INSTALLATION TIME:** .5 hours per side
- 1 bushing per wheel



231-00594



ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
231-00594	59400	Ford Pinch Bolt Axle Adjustable Bushing	FORD: 1989-1990 2WD and 4WD Bronco II; 1989-1997 2WD and 4WD Ranger; 1991-1994 2WD and 4WD Explorer; 1992-1999 2WD E150, E250, E350; 1987-1996 2WD F150; 1987-2000 F250 and F350; MAZDA: 1994-1999 Pickup; 1991-1994 Navajo

FORD F150 KIT

- This innovative cam nut and sturdy bracket saves time and money! ▪ Easily adjust camber and caster on F150s from '04 and up (including late model) and '07 & up Expeditions ▪ Save time since you don't have to remove the O.E. bolt or stabilizer bar, the sturdy guide bracket allows for live adjustment
- This product is a must have every time these vehicles enter your shop!



231-86250

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
231-86250	86250	Ford F150 Kit	FORD: 2004 & Up F150, 2007 & Up Expedition; LINCOLN: 2006 & Up Mark LT, 2007 & Up Navigator

**HONDA/ACURA ADJUSTABLE
FRONT CAMBER KIT**

- 223-03570 and 223-03572 equipped with polyurethane for performance vehicles ▪ 223-03571 and 223-03573 with O.E. style rubber bushing for factory-like ride
- **ESTIMATED INSTALLATION TIME:** .5 hours per side ▪ 1 kit per wheel



223-03570

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
223-03570	35700	Polyurethane Bushings, -5/8" To +1"	ACURA: 1990-2000 Integra; 1991-1995 Legend; 1992-1994 Vigor; 1996-2000 Acura 3.5 RL; 1997-1999 Acura 3.0 CL; 1996-2000 Acura 3.2 TL; 1995-1998 Acura 2.5 TL; HONDA: 1988-1991 CRX; 1988-1995 Civic; 1993-1997 Del Sol; 1990-1997 Accord; 1992-1996 Prelude; 1995-1998 Odyssey; 1992-2000 Prelude (Rear); IZUZU: 1996-1998 Oasis
223-03571	35710	Rubber Bushings, -5/8" To +1"	
223-03572	35720	Polyurethane Bushings, +1-1/4" To 3"	
223-03573	35730	Rubber Bushings, +1-1/4" To 3"	

→ Light Truck/SUV Camber/Caster Sets



CHRYSLER, DODGE, MITSUBISHI AND EAGLE ADJUSTABLE FRONT CAMBER KIT

■ 223-03575 and 223-03577 equipped with polyurethane for performance vehicles ■ 223-03576 and 223-03578 with O.E. style rubber bushing for factory-like ride ■ **ESTIMATED INSTALLATION TIME:** .5 hours per side ■ 1 kit per wheel



223-03575

ASCOT NO.	MFG. NO.	CAMBER RANGE	APPLICATIONS
223-03575	35750	Polyurethane Bushings, -3/4° To 1°	CHRYSLER: 1995-2000 Sebring (exc. Convertible); DODGE: 1995-2000 Avenger; EAGLE: 1995-1998 Talon; MITSUBISHI: 1995-1999 Eclipse; 1999-2000 Galant
223-03576	35760	Rubber Bushings, -3/4° To 1°	
223-03577	35770	Polyurethane Bushings, +1-1/4° To 3°	
223-03578	35780	Rubber Bushings, +1-1/4° To 3°	

HONDA/ACURA EZ ARM XR™

■ **ESTIMATED INSTALLATION TIME:** .5 hours

ASCOT NO.	MFG. NO.	ADJUSTMENT RANGE	APPLICATIONS
226-67030	67030	-2.00° To +3.40°	ACURA: Integra; HONDA: Civic, Del Sol, CRV, CRX
226-67230	67230	-4.00° To +6.00°	2001 and up Civic



226-67030

HYUNDAI/KIA REAR EZ ARM XR™

■ These adjustable rear upper control arm and toe cam kits, for many Hyundai and Kia models, will provide up to ±2° camber and toe change ■ **REAR ADJUSTMENT RANGE:** Camber and Toe ±2.00° ■ **ESTIMATED INSTALLATION TIME:** .3 hours per side ■ 1 per wheel required



226-67410

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
226-67410	67410	Hyundai/Kia Rear EZ Arm XR™	HYUNDAI: 2007 & Up Elantra; KIA: 2007 & Up Optima, 2007 & Up Rondo

HONDA EZ ARM XR™

■ Adjustment range: -2.00° to +4.00°
 ■ **ESTIMATED INSTALLATION TIME:** .8 hours
 ■ **NOTE:** An O.E. style ball joint is integrated in this arm



226-67090

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
226-67090	67090	Honda/Acura EZ Arm XR™	HONDA: 1998-2002 Accord; ACURA: 2001 3.2CL, 1999-2002 3.2TL 1996 & Up 3.5RL
226-67290	67290	Honda EZ Arm XR™	ACURA: 2001-06 MDX, 2004-08 TSX; HONDA: 2003-07 Accord, 1999-04 Odyssey, 2003-08 Pilot

HONDA FRONT CAMBER/CASTER CONTROL ARM

■ **O.E. style control arm now makes it possible to adjust camber and caster on newer Honda Civics**
 ■ Arm may be used on vehicles that have retained their stock ride height and vehicles that have been lowered for performance and appearance



222-62010

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
222-62010	62010	Honda Front Camber/Caster Control Arm	HONDA: 1996-2000 Civic

ADJUSTABLE UPPER CONTROL ARM

■ Camber adjustment from -1° to + 4° ■ **ESTIMATED INSTALLATION TIME:** .8 hours per side ■ 1 control arm per wheel



236-00100

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
236-00100	CA100	Adjustable Upper Control Arm	HONDA: 1996-2000 Civic, 1997-2000 CRV



➔ Light Truck/SUV Camber/Caster Sets

CHRYSLER/DODGE FRONT CONTROL ARM

▪ Adjustable arm fits popular Dodge and Chrysler vehicles

▪ Provide both caster and camber changes ▪ Easy to install and adjust ▪ Tubular design incorporates low-profile adjustable ball joint ▪ Arms fit both the right and left side ▪ Camber adjustment ± 2.0 degrees ▪ Caster adjustment ± 1.5 degrees ▪ **ESTIMATED INSTALLATION TIME:** .6 hours per side ▪ 1 per wheel required



222-66040

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
222-66040	66040	Chrysler/Dodge Front Control Arm	CHRYSLER: 2005-2008 300 RWD; DODGE: 2006 - 2008 Challenger, 2006 - 2008 Charger RWD, 2005 - 2008 Magnum RWD
222-66045	66045		CHRYSLER: 2009 & Up 300; DODGE: 2009 & Up Challenger, 2009 & Up Charger RWD
222-66047	66047		CHRYSLER: 2005 & Up 300 RWD; DODGE: 2006 & Up Charger AWD, 2005 - 2008 Magnum AWD

HONDA 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 for the track, want to get back to OE specifications after lowering, or need adjustment on a stock vehicle this is the arm for you ▪ **REAR ADJUSTMENT RANGE:** Camber ± 3.0 degrees ▪ **ESTIMATED INSTALLATION TIME:** .5 hours per side ▪ 1 per wheel required



222-67467

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
222-67467	67467	Honda Civic Rear Adjustable Control Arm	2016 & Up Honda Civic (Incl. Si/Hybrid)

LOWER CONTROL ARM CAMBER KIT

▪ Install this cam and guide kit to quickly and accurately dial in the alignment angles on 2011 and newer Grand Cherokees and Dodge Durangos ▪ Even with the suspension loaded, this kits makes changes of up to ± 1.5 degree camber/caster fast and easy



223-82360

ASCOT NO.	MFG. NO.	DESCRIPTION
223-82360	82360	Lower Control Arm Camber Kit



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:** $\pm 3.00^\circ$ Camber, $\pm 2.50^\circ$ Toe ▪ **ESTIMATED INSTALLATION TIME:** .7 hours per side ▪ 1 kit per wheel required



222-67665

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
222-67665	67665	Subaru Camber and Toe Kit w/ Camber Arm & Toe Bushing	SUBARU: 2003 - 2006 Baja, 2000 - 2009 Legacy, 2000 - 2009 Outback

DODGE CASTER / PINION ANGLE CAM

▪ Replace the non adjustable or corroded OE bolts on Dodge 3/4 and 1-ton trucks to get ± 1.5 degree 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



222-82395

ASCOT NO.	MFG. NO.	DESCRIPTION
222-82395	82395	Dodge Caster / Pinion Angle Cam

NISSAN CAM BOLT KIT

▪ These cams are designed to install in the lower control arms for camber and caster adjustment ▪ Replace the original non-adjustable lower control arm bolts ▪ **FRONT ADJUSTMENT RANGE:** Camber/Caster ± 2.00 degree ▪ **ESTIMATED INSTALLATION TIME:** .3 hours per side ▪ 1 kit per wheel required



222-87520

ASCOT NO.	MFG. NO.	DESCRIPTION
222-87520	87520	Nissan Cam Bolt Kit

ALIGNMENT // CAMBER/CASTER TOOLS

→ Light Truck/SUV Camber/Caster Sets



TOYOTA BOLT KIT

▪ **This Cam Bolt Kit is a replacement kit for the OE adjusters** ▪ The OE bolts on Toyota trucks and SUV's are frequently "frozen" and do not allow for adjustment
 ▪ Remove the frozen bolt assembly and replace it with an SPC cam kit to get up to ± 1-1/2 degree camber and caster change ▪ OE adjuster assemblies that are severely corroded may require SPC's press tool 40915 for removal, making the job quick and easy ▪ **FRONT ADJUSTMENT RANGE:** Camber/Caster ± 1.50 degree ▪ **ESTIMATED INSTALLATION TIME:** .3 hours per side ▪ 1 kit per wheel required



Toyota Bolt Kit

ASCOT NO.	MFG. NO.	FRONT ADJUSTMENT RANGE	APPLICATIONS
222-25430	25430	+/- 1.50°	TOYOTA 4WD: 1995-04 Tacoma; TOYOTA RWD: 1998-04 Tacoma PreRunner; TOYOTA 4WD&RWD: 1996-02 4-Runner
222-25435	25435		LEXUS AWD: 2003-09 GX; TOYOTA RWD: 2005 & up Tacoma PreRunner; TOYOTA 4WD: 2005 & Up Tacoma; TOYOTA 4WD&RWD: 2007-09 FJ Cruiser, 2003-09 4Runner
222-25440	25440		LEXUS AWD: 2010 & Up GX; TOYOTA 4WD&RWD: 2010 & Up FJ Cruiser, 2010 & Up 4Runner
222-25445	25445		TOYOTA: 01-07 Sequoia, 99-06 Tundra

Please contact us for more information regarding **CAMBER/CASTER TOOLS**



CAMBER ADJUSTING "MAGNA CAM" BOLT KITS

▪ **Fast and easy alternative to adjust camber on vehicles utilizing standard 2 bolt (upper and lower) strut-to-knuckle mounting bolt design** ▪ Unique design incorporates an offset internal sleeve working in conjunction with a full-size/high strength O.E. diameter bolt (with matching internal offset) which allows camber to be increased or decreased by a simple turn of a bolt ▪ Allows technician to accurately adjust camber with the weight of the vehicle on its front wheels ▪ Available in 12mm, 14mm, 15mm, 16mm and 17mm sizes



ASCOT NO.	MFG. NO.	DESCRIPTION
223-41147	41-147	12mm 12.9 High-Strength Bolts
223-41158	41-158	14mm 12.9 High-Strength Bolts
223-41149	41-149	15mm 10.9 High-Strength Bolts
223-41160	41-160	16mm 10.9 High-Strength Bolts
223-41151	41-151	17mm 10.9 High-Strength Bolts

FRONT REPLACEMENT CAMBER/CASTER CAM BOLT KIT

▪ **GM replacement bolt kit with Quick Cams is a direct replacement and will restore the factory adjustment** ▪ On many models this kits unique design will greatly improve accessibility for easy adjustment ▪ **ADJUSTMENT RANGE:** ±1.5° ▪ **QUANTITY:** Kit ▪ **SIDES ADJUSTED:** 2



223-44832

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
223-44832	44-832	Front Replacement Camber/Caster Cam Bolt Kit	CHEVROLET SILVERADO: 2500HD/3500 2011-2016; GMC SIERRA: 2500HD 2011-2016; CHEVROLET COLORADO: 2015-2016; GMC CANYON: 2015-2016 of 1/8", 1 of 1/16" & 2 of 1/32"

➔ Light Truck/SUV Camber/Caster Sets, Tools, Accessories



**UPPER CONTROL ARM W/
ADJUSTABLE BALL JOINT**

- Quick and easy replacement of OE control arm
- GREASEABLE ball joint design for extended durability
- Adjustable ball joint allows for continuous future adjustments
- OE style control arm
- Fits both Left and Right sides of vehicle
- **ADJUSTMENT RANGE:** ±3° Camber, ±1.5° Caster
- **QUANTITY:** Each ▪ **SIDES ADJUSTED:** 1



236-42727

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
236-42727	44-2727	Upper Control Arm w/ Adjustable Ball Joint	CHEVROLET SILVERADO: 2500HD/3500 2011-2016; GMC SIERRA: 2500HD/3500 2011-2016

**ADJUSTABLE UPPER
CAMBER BALL JOINT**

- Change camber with a simple turn of the ball stud!
- GREASEABLE ▪ **ADJUSTMENT RANGE:** ±1° ▪ **QUANTITY:** Each ▪ **SIDES ADJUSTED:** 1



237-42496

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
237-42496	44-2496	Adjustable Upper Camber Ball Joint	DODGE RAM: 2500/3500 4WD 2000-2002 DODGE RAM: 2500-3500 4WD 2003-2005 (old body style)

**ADJUSTABLE REAR
GREASEABLE CAMBER ARM**

- Allows for rear camber adjustments where no OE adjustments are available
- GREASEABLE design for longer life
- **ADJUSTMENT RANGE:** ±2° ▪ **QUANTITY:** Each ▪ **SIDES ADJUSTED:** 1



226-62196

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
226-62196	46-2196	Adjustable Rear Greaseable Camber Arm	ACURA MDX: 2007-2013; HONDA PILOT: 2009-2015

**AXIS CAM CAMBER
ADJUSTING BOLT SYSTEM**

- Makes non-adjustable vehicles fully adjustable for camber
- Unique design allows fast and easy "on-vehicle" adjustments
- Works with OE bolt system
- No cutting, drilling or modifications of any kind
- Makes vehicle permanently adjustable for camber
- Bolt head marked + and - for easy orientation
- All sizes made from grade 12.9 high-strength steel
- **Just 6 part numbers fit all vehicles with strut-to-knuckle mounting bolts**
- **ADJUSTMENT RANGE:** ± 1.75 ▪ **QUANTITY:** Pair ▪ **SIDES ADJUSTED:** 2



223-41214

ASCOT NO.	MFG. NO.	DESCRIPTION
223-41210	41-210	FIAT 500: 10mm
223-41212	41-212	CHEVROLET, FORD, SAAB, TOYOTA, NISSAN VOLVO, CADILLAC, HYUNDAI, ISUZU: 12mm
223-41214	41-214	ACURA, DODGE, HONDA, SATURN, TOYOTA INFINITY, PLYMOUTH, MITSUBISHI, CHRYSLER 200: 14mm
223-41215	41-215	GEO, LEXUS, TOYOTA: 15mm
223-41216	41-216	ACURA, BUICK, CHEVROLET, HONDA, LINCOLN, MERCURY, FORD, DODGE, PONTIAC: 16mm
223-41217	41-217	LEXUS, TOYOTA: 17mm
223-41218	41-218	ACURA, HONDA: 18mm

→ Light Truck/SUV Camber/Caster Tools, Accessories



HEAVY DUTY TRUCK ALIGNMENT SHIMS

- 1990 & newer Freightliner single slot adjustment shim
- **INCLUDES:** 12 pieces per package

ASCOT NO.	MFG. NO.	DESCRIPTION
246-43415	43-415	1/32"
246-43416	43-416	1/16"
246-43417	43-417	1/8"



246-43415

HEAVY DUTY MANGANESE BRONZE TRUCK CASTER WEDGES

- **INCLUDES:** 6 per package
- Will not break or compress
- **Extremely accurate**
- Clearly stamped for easy identification
- End-to-end fully 1/16" thicker than competitive products

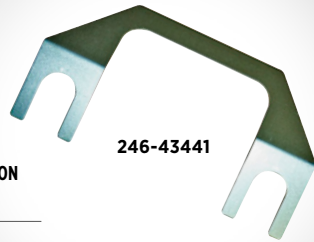


241-43040

IHC TORQUE ARM ADJUSTMENT SHIMS

- **INCLUDES:** 12 pieces per package

ASCOT NO.	MFG. NO.	DESCRIPTION
246-43441	43-441	1/32"
246-43442	43-442	1/16"
246-43443	43-443	1/8"

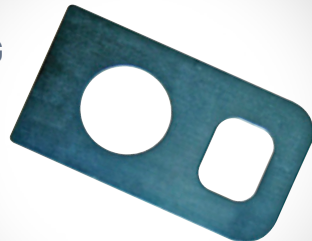


246-43441

HENDRICKSON ADJUSTABLE WALKING BEAM SHIM KIT

- **INCLUDES:** 2x 5-Piece Kits
- Each kit contains 2 of 1/8", 1 of 1/16" & 2 of 1/32"

ASCOT NO.	MFG. NO.	DESCRIPTION
246-43447	43-447	Hendrickson Adjustable Walking Beam Shim Kit

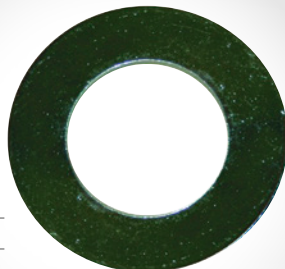


246-43447

HEAVY DUTY TRUCK ALIGNMENT SHIMS

- Kenworth air glide 8-bagger adjustment spacers
- **INCLUDES:** 6 shims per package

ASCOT NO.	MFG. NO.	DESCRIPTION
246-43548	43-548	1/32"
246-43549	43-549	1/16"
246-43550	43-550	1/8"
246-43551	43-551	1/4"
246-43552	43-552	1/2"
246-43553	43-553	3/4"
246-43554	43-554	1"



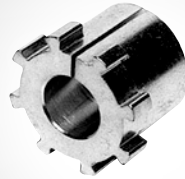
246-43548

ASCOT NO.	MFG. NO.	DESCRIPTION
241-43040	43-1040	WIDTH: 2-1/2"; LENGTH: 5"; 5 Degrees
241-43041	43-1041	WIDTH: 2-1/2"; LENGTH: 5"; 1 Degree
241-43042	43-1042	WIDTH: 2-1/2"; LENGTH: 5"; 1.5 Degrees
241-43043	43-1043	WIDTH: 2-1/2"; LENGTH: 5"; 2 Degrees
241-43044	43-1044	WIDTH: 2-1/2"; LENGTH: 5"; 2.5 Degrees
241-43045	43-1045	WIDTH: 2-1/2"; LENGTH: 5"; 3 Degrees
241-43046	43-1046	WIDTH: 2-1/2"; LENGTH: 5"; 3.5 Degrees
241-43047	43-1047	WIDTH: 2-1/2"; LENGTH: 5"; 4 Degrees
241-43050	43-1050	WIDTH: 3"; LENGTH: 6"; 5 Degrees
241-43051	43-1051	WIDTH: 3"; LENGTH: 6"; 1 Degree
241-43052	43-1052	WIDTH: 3"; LENGTH: 6"; 1.5 Degrees
241-43053	43-1053	WIDTH: 3"; LENGTH: 6"; 2 Degrees
241-43054	43-1054	WIDTH: 3"; LENGTH: 6"; 2.5 Degrees
241-43055	43-1055	WIDTH: 3"; LENGTH: 6"; 3 Degrees
241-43056	43-1056	WIDTH: 3"; LENGTH: 6"; 3.5 Degrees
241-43057	43-1057	WIDTH: 3"; LENGTH: 6"; 4 Degrees
241-43060	43-1060	WIDTH: 3-1/2"; LENGTH: 6-1/4"; 5 Degrees
241-43061	43-1061	WIDTH: 3-1/2"; LENGTH: 6-1/4"; 1 Degree
241-43062	43-1062	WIDTH: 3-1/2"; LENGTH: 6-1/4"; 1.5 Degrees
241-43063	43-1063	WIDTH: 3-1/2"; LENGTH: 6-1/4"; 2 Degrees
241-43064	43-1064	WIDTH: 3-1/2"; LENGTH: 6-1/4"; 2.5 Degrees
241-43065	43-1065	WIDTH: 3-1/2"; LENGTH: 6-1/4"; 3 Degrees
241-43066	43-1066	WIDTH: 3-1/2"; LENGTH: 6-1/4"; 3.5 Degrees
241-43067	43-1067	WIDTH: 3-1/2"; LENGTH: 6-1/4"; 4 Degrees
241-43070	43-1070	WIDTH: 4"; LENGTH: 6-1/2"; 5 Degrees
241-43071	43-1071	WIDTH: 4"; LENGTH: 6-1/2"; 1 Degree
241-43072	43-1072	WIDTH: 4"; LENGTH: 6-1/2"; 1.5 Degrees
241-43073	43-1073	WIDTH: 4"; LENGTH: 6-1/2"; 2 Degrees
241-43074	43-1074	WIDTH: 4"; LENGTH: 6-1/2"; 2.5 Degrees
241-43075	43-1075	WIDTH: 4"; LENGTH: 6-1/2"; 3 Degrees
241-43076	43-1076	WIDTH: 4"; LENGTH: 6-1/2"; 3.5 Degrees
241-43077	43-1077	WIDTH: 4"; LENGTH: 6-1/2"; 4 Degrees



FORD TRUCK FIXED CAMBER/CASTER BUSHINGS

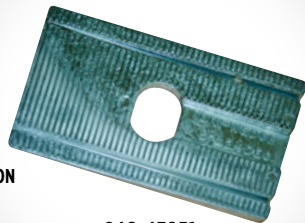
▪ Fits the same applications as 5032 on the right ▪ Adjust caster/camber or a combination of both from 0° to 2.75° either positive or negative, with easy to adjust "Multi-Slot" bushings



ASCOT NO.	MFG. NO.	DESCRIPTION
231-44499	44-4099	0°
231-44501	44-5001	.25°
231-44502	44-5002	.5°
231-44503	44-5003	.75°
231-44504	44-5004	1°
231-44505	44-5005	1.25°
231-44506	44-5006	1.5°
231-44507	44-5007	1.75°
231-44508	44-5008	2°
231-44509	44-5009	2.25°
231-44510	44-5010	2.5°
231-44511	44-5011	2.75°

"UNI-WEDGE" 3-IN-1 HEAVY DUTY ZINC ALLOY CASTER WEDGE

▪ Unique "break-off" feature allows shim to cover spring width of 4", 3-1/2" & 3" ▪ LENGTH: 5-3/4" ▪ INCLUDES: 6 per package



246-43951

ASCOT NO.	MFG. NO.	DESCRIPTION
246-43951	43-951	.5 Degrees
246-43952	43-952	1 Degrees
246-43953	43-953	1.5 Degrees
246-43954	43-954	2 Degrees
246-43955	43-955	2.5 Degrees
246-43956	43-956	3 Degrees
246-43957	43-957	3.5 Degrees
246-43958	43-958	4 Degrees

ADJUSTABLE LIGHT TRUCK BUSHINGS

▪ This New "DUAL AXIS" design allows for up to 25% greater range of adjustment and a "Tech Friendly" adjustment feature makes on-site vehicle adjustments a snap (standard socket fits easily & securely over inner hex adjuster for fast & accurate settings) ▪ The universal adjustable design allows technician to make any camber/caster or combination adjustment needed with just one part number, even True Zero

ASCOT NO.	MFG. NO.	DESCRIPTION
231-44532	44-5032	0° to ± 3.25°, FORD: F-150 4x4 1980-96 F-250 4x4 1980-97, F-350, F-450, F-550 4X4 1992-96, F-250, F-350, F-450 4X4 1998-04, F-550 Super Duty 4x4 DODGE: 1994-02 - Ram 2500, 3500 4x4 1994-99 - Ram 2500, 3500 4x2 1994-02
231-44535	44-5035	0° to ± 3.25°, FORD: 1983-89 Ranger & Bronco II 4X4
231-44536	44-5036	0° to ± 2.5°, FORD: 2005-06 F-250 & F-350 4X4
231-44537	44-5037	0° to ± 2.5°, FORD: 2005-06 F-450 & F-550 4X4 & 4X2, CHEVY: Kodiak (2005-06), GMC: Top Kick (2005-06)
231-44594	44-5094	0° to ± 4°, FORD: Explorer 4x4 & 4x2 1991-94 Ranger 4x4 & 4x2 1990-97 F-150, F250, F350 4X2 1987-96 Econoline Van 1992-05 Excursion 4x2 2000-05, F250, F350 Super Duty 4x2 1998-05, MAZDA: Navajo 4x4 & 4x2 1991-94, Pickup 4x4 & 4x2 1994-99

FORD TRUCK FIXED CAMBER/CASTER BUSHINGS

▪ Adjust caster/camber or a combination of both from .25° to 3.5° either positive or negative with easy to adjust "Hex-Head" bushings (Fits same applications as 44-5094 above)



ASCOT NO.	MFG. NO.	2WD	4WD
231-42949	42-949	0°	0°
231-42951	42-951	.25°	.25°
231-42952	42-952	.5°	3/8°
231-42953	42-953	.7°	.5°
231-42954	42-954	1°	.75°
231-42955	42-955	1.25°	7/8°
231-42956	42-956	1.5°	1°
231-42957	42-957	1.75°	1.25°
231-42958	42-958	2°	1.5°
231-42959	42-959	2.25°	1.75°
231-42960	42-960	2.5°	2°
231-42961	42-961	2.75°	2.25°
231-42962	42-962	3°	2.5°
231-42963	42-963	3.25°	2.75°
231-42964	42-964	3.5°	3°

ALIGNMENT // CAMBER/CASTER TOOLS

Please contact us for more information regarding **ALIGNMENT PRODUCTS**

➔ **Camber/Caster Tools, Accessories**

ADJUSTABLE BALL JOINT

▪ **Adjustable upper ball joints make front camber/caster adjustments easy on late model Honda and Acura** ▪ Sliding ball joint allows for greater camber changes than previously available ▪ Sliding plate assembly is perfect for vehicles that have been lowered for performance or retain the factory ride ▪ **ADJUSTMENT:** -1.50° to +1.50° ▪ **INSTALLATION TIME:** .6 hours



226-67125

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
226-67125	67125	Honda/Acura Adjustable Ball Joint	ACURA: 1996 - 97 2.2CL, 1998 - 99 2.3CL, 1996 - 99 3.0CL, 2001-04 3.2CL, 1999 -2004 TSX; 1996-98 2.5 TL; 3.2 TL; HONDA: 1998 - 02 Accord, 1989 - 91 Civic & CRX, 1995 - 98 Odyssey
226-67165	67165	Honda/Acura Adjustable Ball Joint	ACURA: 1995 - 98 2.5TL, 1992 - 94 Vigor (front); HONDA: 1992 - 02 Prelude (Rear) 1992 - 1996 Prelude (Front)

HONDA/ACURA UPRIGHTS

▪ **New uprights incorporate a sliding mechanism for easy camber changes** ▪ O.E. bushing eliminates squeaking and no special tools are required



222-84945

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
222-84945	84945	Up To +1.5°	ACURA: 1990 - 99 Integra, 1991 - 96 Legend, 1992 - 94 Vigor, 1996 - 97 2.2CL, 1998 & up 2.3CL, 1996 - 98 2.5 TL, 1996 - 99 3.0CL, 3.5RL; HONDA: 1990 - 97 Accord, 1988 - 91 Civic SW & 4WD, 1988 - 95 Civic, 1988 - 92 CRX, 1992 - 96 Prelude, 1995 - 98 Odyssey, 1992 - 94 Del Sol, Prelude 4WS; Isuzu: 1995 - 98 Oasis
222-84955	84955	+1.75° To +3.25°	

PERFORMANCE BALL JOINT PRESS SET

▪ **Specifically designed to remove the original equipment ball joints on smaller cars such as Hondas and Acuras when installing SPC Performance's sliding ball joints** ▪ Can remove the ball joint from the front upper control arm without removing the arm from the vehicle, saving time and cost ▪ Packaged in a convenient blow-molded plastic case this set comes complete with adapters for both removing and installing stock or Specialty Product's sliding ball joints



227-40920

ASCOT NO.	MFG. NO.	DESCRIPTION
227-40920	40920	Performance Ball Joint Set

FASTRAX™ COMPLETE ADJUSTABLE CAMBER/CASTER GAUGE

▪ **Portable, hands-free alignment can be done quickly and easily** with the FasTrax™ Adjustable Camber/Caster Gauge stock or Specialty Product's sliding ball joints



223-91000

ASCOT NO.	MFG. NO.	WHEEL SIZE
223-91000	91000	13" - 18"

FASTRAX™ CAMBER/CASTER GAUGE

▪ **Add quick alignment checks to your fleet PMs** ▪ Save tire wear & fuel costs



223-91040

ASCOT NO.	MFG. NO.	WHEEL SIZE
223-91040	91040	21" - 26"

FORD/DODGE TRUCK ADJUSTABLE CAMBER/CASTER BUSHING

▪ **Camber and caster adjustment up to +/- 2-3/4°** ▪ **INSTALLATION TIME:** .5 hours per side ▪ 1 bushing per wheel



231-00532

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
231-00532	532	Ford/Dodge Truck Adjustable Camber/Caster Bushing	FORD: 1980-1985 4WD F150 and Bronco, 1980-2000 4WD F250 and F350; DODGE: 1994-1999 2WD/4WD 2500 Trucks, 1994-1999 4WD 3500 Trucks
231-00535	535	Ford Downsize Truck Adjustable Camber/Caster Bushing	FORD: 1983-1990 4WD Downsize Trucks
233-23120	23120	SET (9) 4WD CAM/CAS SLEEVES. Set 23120 contains 23121 thru 23129	FORD 4WD: 1983 - 89 Bronco II; 1990 (Early) Bronco II; 1983 - 89 Ranger
233-23130	23130	SET (9) 4WD & RWD SLEEVES. Set contains one each of 23131 thru 23139	FORD 4WD: 1997 - 98 F250 (H/D), 1999 - 04 F250, F350, F450, F550, Super Duty 2000 - 05 Excursion, 1992 - 98 F350 Crew Cab; FORD RWD: 1999 - 04 F450, F550 Super Duty; DODGE 4WD: 1994 - 99 BR2500, BR3500; DODGE RWD: 1994 - 02 BR3500 w/Mono Beam

FORD COMBINATION SLEEVE PULLER

▪ **Pulls both O.E. and most aftermarket camber/caster sleeves quickly and efficiently without damaging the ears of the sleeve** ▪ Heat treated high strength steel ▪ Single-unit design with no loose parts



247-77880

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
247-77880	77880	Ford Combination Sleeve Puller	FORD: Twin I-Beam w/ Upper And Lower Ball Joints

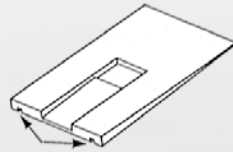
ALIGNMENT // CAMBER/CASTER TOOLS

➔ Heavy Duty Truck Alignment



TRUCK AXLE SHIMS (HEAVY DUTY ZINC ALLOY)

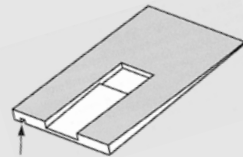
▪ **Twice the coverage with half the inventory, these truck axle shims fit a variety of 2WD and 4WD vehicles with solid axles from full size Blazers to school buses** ▪ Measure the spring pad, break the shim off at the correct width and insert between the spring and axle ▪ Available in 1/2° changes up to a 4° caster change, either positive or negative ▪ **Packaged six per box** ▪ Any solid axle 2 or 4 wheel drive vehicle



ASCOT NO.	MFG. NO.	WIDTH	DEGREE TAPER
243-00891	89199	3"-3-1/2"-4"	1/2°
243-00892	89299	3"-3-1/2"-4"	1°
243-00893	89399	3"-3-1/2"-4"	1-1/2°
243-00894	89499	3"-3-1/2"-4"	2°
243-00895	89599	3"-3-1/2"-4"	2-1/2°
243-00896	89699	3"-3-1/2"-4"	3°
243-00897	89799	3"-3-1/2"-4"	3-1/2°
243-00898	89899	3"-3-1/2"-4"	4°

TRUCK AXLE SHIMS (HEAVY DUTY ZINC ALLOY)

▪ **One part number gives you six shims in a box**



ASCOT NO.	MFG. NO.	WIDTH	DEGREE TAPER	BOX WT.
243-00841	84199	2-1/4"- 2-1/2"	1/2°	1-1/2 Lbs.
243-00842	84299	2-1/4"- 2-1/2"	1°	1-1/2 Lbs.
243-00843	84399	2-1/4"- 2-1/2"	1-1/2°	2 Lbs.
243-00844	84499	2-1/4"- 2-1/2"	2°	2-1/4 Lbs.
243-00845	84599	2-1/4"- 2-1/2"	2-1/2°	2-3/4 Lbs.
243-00846	84699	2-1/4"- 2-1/2"	3°	2-3/4 Lbs.
243-00847	84799	2-1/4"- 2-1/2"	3-1/2°	3-1/4 Lbs.
243-00848	84899	2-1/4"- 2-1/2"	4°	3-1/4 Lbs.

KENWORTH AIR GLIDE SPACER FOR EIGHT BAGGERS

ASCOT NO.	MFG. NO.	THICKNESS	QTY.
241-35001	35001	1/32"	6
241-35002	35002	1/16"	6
241-35003	35003	1/8"	6
241-35004	35004	1/4"	6
241-35005	35005	1/2"	6
241-35006	35006	3/4"	6
241-35007	35007	1"	6



TANDEM ALIGNMENT SET

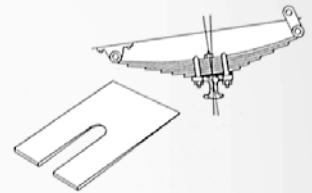
▪ **GREAT STARTER KIT!** ▪ These alignment angle shims are now available in a heavy duty metal box to help you organize all of your shims ▪ Packaged with a large variety of shims and an organization chart inside the lid to make reordering and organization of shims quick and easy



ASCOT NO.	MFG. NO.	DESCRIPTION	
246-36000	36000	Tandem Alignment Set	246-36000

TRUCK AXLE SHIMS

▪ **Packaged six per box** ▪ Spring pad length and width is needed when placing orders ▪ **Installation time: .5 hr./side**



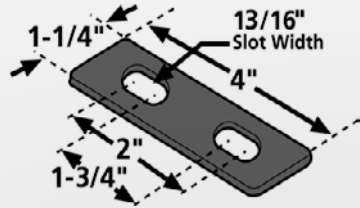
ASCOT NO. BRONZE	MFG. NO. BRONZE	ASCOT NO. ALUMINUM	MFG. NO. ALUMINUM	WIDTH	DEGREE	LENGTH
241-04050	10404	241-04051	10405	2-1/2"	1/2°	5"
241-10410	10414	241-10411	10412	2-1/2"	1°	5"
241-10420	10424	241-10421	10422	2-1/2"	1-1/2°	5"
241-10430	10434	241-10431	10432	2-1/2"	2°	5"
241-10440	10444	241-10441	10442	2-1/2"	2-1/2°	5"
241-10450	10454	241-10451	10452	2-1/2"	3°	5"
241-10460	10464	241-10461	10462	2-1/2"	3-1/2°	5"
241-10470	10474	241-10471	10472	2-1/2"	4°	5"
241-05050	10504	241-05051	10505	3"	1/2°	6"
241-10510	10514	241-10511	10512	3"	1°	6"
241-10520	10524	241-10521	10522	3"	1-1/2°	6"
241-10530	10534	241-10531	10232	3"	2°	6"
241-10540	10544	241-10541	10542	3"	2-1/2°	6"
241-10550	10554	241-10551	10552	3"	3°	6"
241-10560	10564	241-10561	10562	3"	3-1/2°	6"
241-10570	10574	241-10571	10572	3"	4°	6"
241-06050	10604	241-06051	10605	3-1/2"	1/2°	6-1/4"
241-10610	10614	241-10611	10612	3-1/2"	1°	6-1/4"
241-10620	10624	241-10621	10622	3-1/2"	1-1/2°	6-1/4"
241-10630	10634	241-10631	10632	3-1/2"	2°	6-1/4"
241-10640	10644	241-10641	10642	3-1/2"	2-1/2°	6-1/4"
241-10650	10654	241-10651	10652	3-1/2"	3°	6-1/4"
241-10660	10664	241-10661	10662	3-1/2"	3-1/2°	6-1/4"
241-10670	10674	241-10671	10672	3-1/2"	4°	6-1/4"
241-07050	10704	241-07051	10705	4"	1/2°	6-1/2"
241-10710	10714	241-10711	10712	4"	1°	6-1/2"
241-10720	10724	241-10721	10722	4"	1-1/2°	6-1/2"
241-10730	10734	241-10731	10732	4"	2°	6-1/2"
241-10740	10744	241-10741	10742	4"	2-1/2°	6-1/2"
241-10750	10754	241-10751	10752	4"	3°	6-1/2"
241-10760	10764	241-10761	10762	4"	3-1/2°	6-1/2"
241-10770	10774	241-10771	10772	4"	4°	6-1/2"
-	-	241-10781	10782	4"	5°	6-1/2"

ALIGNMENT // ALIGNMENT TOOLS & SYSTEMS

➔ Heavy Duty Truck Alignment

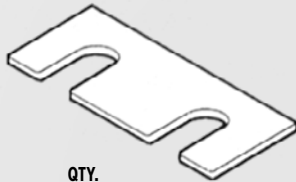


PETERBILT AIR LEAF ADJUSTING SHIM



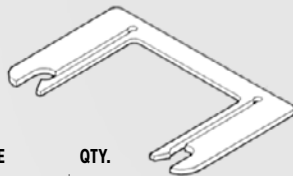
ASCOT NO.	MFG. NO.	SIZE	QTY.
246-35010	35010	1/32"	6
246-35011	35011	1/16"	6
246-35012	35012	1/8"	6

FREIGHTLINER ADJUSTING SHIMS



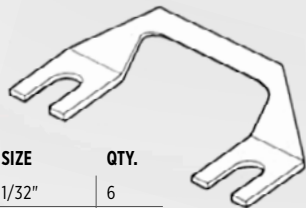
ASCOT NO.	MFG. NO.	SIZE	QTY.
246-35020	35020	1/32"	6
246-35021	35021	1/16"	6
246-35022	35022	1/8"	6

VOLVO/WHITE TANDEM SHIMS



ASCOT NO.	MFG. NO.	SIZE	QTY.
246-35030	35030	1/32"	6
246-35031	35031	1/16"	6
246-35032	35032	1/8"	6

I.H.C. TORQUE ARM SHIMS



ASCOT NO.	MFG. NO.	SIZE	QTY.
246-35040	35040	1/32"	6
246-35041	35041	1/16"	6
246-35042	35042	1/8"	6

SINGLE SLOT TANDEM TRUCK SHIMS

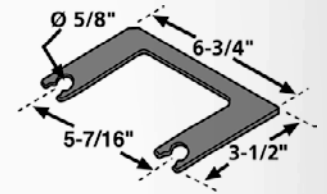
▪ Universal shims are installed at the ends of torque rod to change toe and/or thrust angles on Freightliner, Hendrickson and Navistar heavy duty tandem trucks and trailers



ASCOT NO.	MFG. NO.	SIZE	QTY.
246-35060	35060	1/32"	6
246-35061	35061	1/16"	6
246-35062	35062	1/8"	6

FREIGHTLINER SHIMS FOR AIR GLIDE SUSPENSION

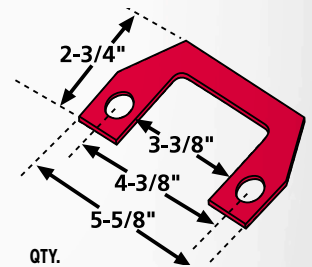
▪ Over-the-road heavy duty adjusters for fast and accurate means to align front or rear axles of popular tandem trailers and trucks ▪ Reliable



ASCOT NO.	MFG. NO.	SIZE	QTY.
246-35070	35070	1/32"	6
246-35071	35071	1/16"	6
246-35072	35072	1/8"	6

PETERBILT/KENWORTH FLEX AIR SUSPENSION SHIMS

▪ Adjust thrust angle and toe by shimming the torque arms



ASCOT NO.	MFG. NO.	SIZE	QTY.
246-36010	36010	1/32"	6
246-36011	36011	1/16"	6
246-36012	36012	1/8"	6

Please contact us for more information regarding **HEAVY DUTY TRUCK ALIGNMENT**



➔ Heavy Duty Truck Alignment



HENDRICKSON WALKING BEAM SHIMS

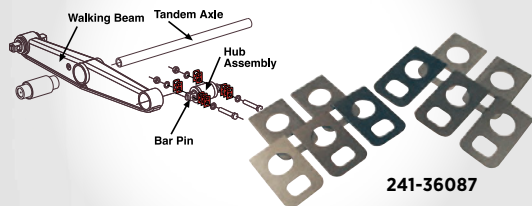
- O.E. style shims recommended by Hendrickson
- Offers three adjustments of 0, 3/16" and 3/8"



ASCOT NO.	MFG. NO.	QTY.
241-36080	36080	2
241-36085	36085	2

HENDRICKSON HD SHIMS

- Shim kit will adjust the thrust angle on Hendrickson's "walking beam" rear tandem axle suspension
- Improves tire wear and handling by adjusting thrust angle from 0" to 3/8" in precise 1/32" increments
- INCLUDES: 2 (two)-five piece kits
- Requires one set per wheel



ASCOT NO.	MFG. NO.	DESCRIPTION
241-36087	36087	Hendrickson HD Shims

TIRE MATING SQUARE

- Checks for variance in dual tire mating
- Compare tire size by placing long arm against the side wall and short arm against tread



ASCOT NO.	MFG. NO.	DESCRIPTION
247-18440	91844	LENGTH: Long Arm 48", Short Arm 26"

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
- INCLUDES: 8 ft. bar, 17 in. pointers, 5 in. stands and #WA516 scribe
- Reliable means to complete total heavy duty truck alignments



ASCOT NO.	MFG. NO.	DESCRIPTION
246-51100	99511	For Cars and Light Trucks
247-51200	99512	For Trucks, Buses, RVs, Vans

TRUCK FRONT SLIP PLATE SET (PAIR)

- Used in conjunction with the WA515 toe gauge
- Steel slip plates allow the tire to move freely while the technician sets the toe



ASCOT NO.	MFG. NO.	DESCRIPTION
247-18410	91841	16" x 24" x 3/8"

TRAILER TANDEM TRACKER

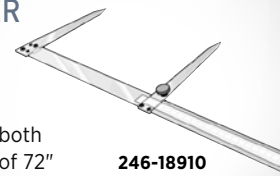
- Used to aid in measuring the tracking of tandem axles in relationship to the kingpin suspensions and the front and rear axles on the tandem
- Establishes a measuring point from the center of the wheel



ASCOT NO.	MFG. NO.	DESCRIPTION
246-18880	91888	Trailer Tandem Tracker Set (Pair)

TANDEM AXLE CALIPER

- Used to check the spacing between the axles of tractors or trailers for alignment and tracking
- Easy to read scale in both metric and inches, with a range of 72"



ASCOT NO.	MFG. NO.	DESCRIPTION
246-18910	91891	Tandem Axle Caliper

➔ Heavy Duty Truck Alignment

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 be easily done ▪ Can be used with either the 91888 or the 91890 ▪ Sold in pairs



247-91877

ASCOT NO.	MFG. NO.	DESCRIPTION
247-91877	91877	Lo Profile Extender Bars

S-CAM BUSHING EXTRACTOR

▪ Great tool for any Heavy Duty shop that works on low boys, refers, log trucks and more ▪ Now you can remove and replace the S-Cam bushing on air brake equipped trailers without removing the wheel hub or replacing the wheel seal ▪ Save time and money yourself and for your customer with this innovative durable tool ▪ Offer S-Cam replacement with every brake job!

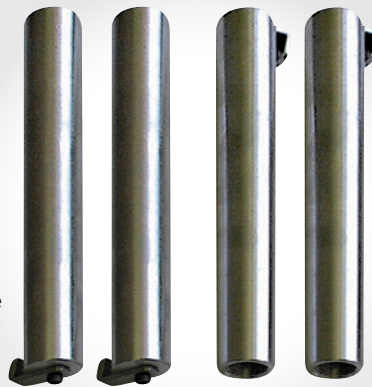


247-91860

ASCOT NO.	MFG. NO.	DESCRIPTION
247-91860	91860	S-Cam Bushing Extractor

“U” BOLT EXTENSIONS

▪ 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



247-91896

ASCOT NO.	MFG. NO.	DESCRIPTION
247-91896	91896	“U” bolt Extensions (4)

TANDEM ALIGNMENT SYSTEMS - STEEL WHEELS

▪ This is a simple method for tracking the rear dual tandems on trucks and tractors ▪ INCLUDES: The 91896 “U” Bolt Extensions, a pair of Lo Profile Extension Bars (91877) and a pair of 91888 Tandem Trailer Trackers ▪ With this system the technician can easily check the A and D distances along with the B and C distances to see if the tandems are tracking correctly



247-91988

ASCOT NO.	MFG. NO.	DESCRIPTION
247-91988	91988	Tandem Alignment Systems - Steel Wheels

TANDEM ALIGNMENT SYSTEMS - ALUMINUM WHEELS

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



247-91990

ASCOT NO.	MFG. NO.	DESCRIPTION
247-91990	91990	Tandem Alignment Systems - Aluminum Wheels

HEAVY DUTY & OTR TOE BAR SET

▪ INCLUDES: 10” extra-high stands, two standard 11” pointers, two long 17” pointers, an 8 ft. bar and 99516 scribe



247-99515

ASCOT NO.	MFG. NO.	DESCRIPTION
247-99515	99515	Heavy Duty & OTR Toe Bar Set

TOE BAR SET FOR LIGHT TRUCKS

▪ INCLUDES: everything in the 99515 Toe Bar Set plus an additional pair of 5” stands



247-99517

ASCOT NO.	MFG. NO.	DESCRIPTION
247-99517	99517	Toe Bar Set for Light Trucks

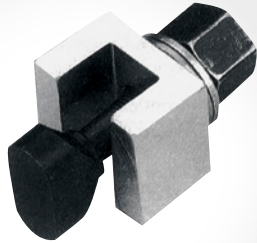
ALIGNMENT // ALIGNMENT TOOLS & SYSTEMS

➔ Heavy Duty Alignment Tools & Systems



GM UPPER CONTROL ARM PUNCH

▪ For removing the alignment inserts on the upper control arm alignment brackets without damaging the alignment bracket ▪ Lubricate before use ▪ Not for use with impact wrenches (air tools)



247-74910

ASCOT NO.	MFG. NO.	DESCRIPTION	APPLICATIONS
247-74910	74910	GM Upper Control Arm Punch	CHEVROLET/GM: 1989 - 1998 2WD/4WD C & K Series 1/2, 3/4 & 1 Ton Trucks, 1991 & Up AWD Astro Vans & AWD Safari Vans

CANYON/COLORADO SOCKET

Aligning these trucks can be difficult because it is impossible to access the head of the cam bolt to adjust alignment angles.

▪ This special grooved socket fits over the end of the bolt allowing the technician to turn the alignment cams to change alignment angles after loosening the lock nut
▪ This socket makes aligning these 4WD trucks much quicker and easier



236-45938

ASCOT NO.	MFG. NO.	DESCRIPTION
236-45938	45938	Canyon/Colorado Socket

FORD SUPER DUTY TIE ROD SLEEVE ADJUSTER

▪ Designed for use on the new Ford Super Duty chassis as well as most other light trucks and vans ▪ Extra long bar gives you maximum leverage to loosen rusted sleeves without injuring your knuckles ▪ 8-position tool allows 360° rotation without removing the adjuster block from the sleeve



236-77350

ASCOT NO.	MFG. NO.	DESCRIPTION
236-77350	77350	Ford Super Duty Tie Rod Sleeve Adjuster

AIR BLADDER CAMBER ADJUSTING TOOL

▪ Air-assisted, multiple camber adjustment tool makes camber adjustment on many GM and Chrysler vehicles easier

▪ Simply loosen the strut mount bolts, place the adjuster between the tire and strut, and inflate ▪ To adjust camber slowly release the air until the wheel retracts to the specified alignment setting, tighten bolts and the alignment is done ▪ **INCLUDES:** A specially designed, puncture resistant air bladder, 2' air hose, a low pressure pop-off valve to prevent overinflating and an air control valve for inflating and controlled deflating



228-61400

ASCOT NO.	MFG. NO.	DESCRIPTION
228-61400	DOWTC614	Air Bladder Camber Adjusting Tool

H/D 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
▪ Powder coated for added durability



247-08130

ASCOT NO.	MFG. NO.	DESCRIPTION
247-08130	81309	H/D Steel Wheel Rim Straightening Tool

INNER TIE ROD END WRENCH SET

▪ **SET INCLUDES:** #89105: Dual socket inner tie rod removal tool, fits 1-3/16" or 1-5/16" hex inner tie rod ends; #89106: A 1-3/16" hex tool for inner tie rod ends on Ford Escort, Tempo, Topaz, Lynx; #89107: A 1-5/16" hex tool designed for inner tie rod ends on 1986 & up Taurus/Sable; #89108: A 1-7/16" hex tool designed for GM Saginaw rack and pinions ▪ **CAUTION:** Not for use with impact wrenches (air tools)



227-89000

ASCOT NO.	MFG. NO.	DESCRIPTION
227-89000	89000	Inner Tie Rod End Wrench Set

TURNTABLES (PAIR)

▪ Full floating with enclosed ball bearings ▪ Large, easy to read dial is quickly adjusted to zero
▪ Ideal for racks, pits, floor units or stands ▪ For cars and light trucks
▪ **DIMENSIONS:** 11" x 15-1/2" x 2"; **WEIGHT LIMIT:** 5,000 Lbs./wheel ▪ **RANGE:** 100°



217-00750

ASCOT NO.	MFG. NO.	DESCRIPTION
217-00750	99750	Turntables (Pair)

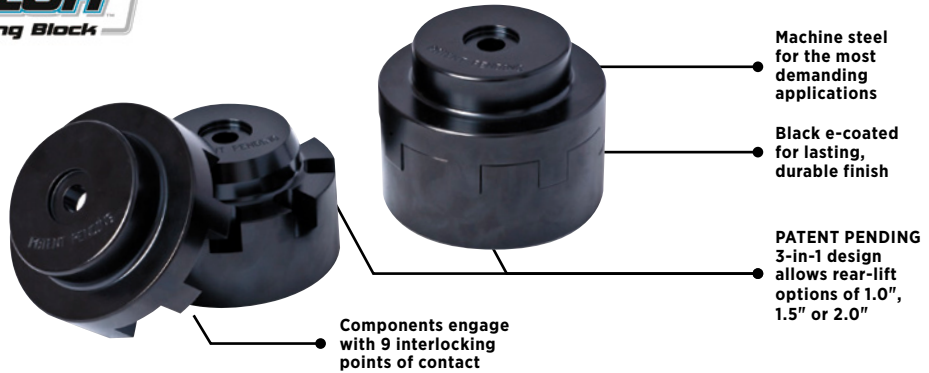
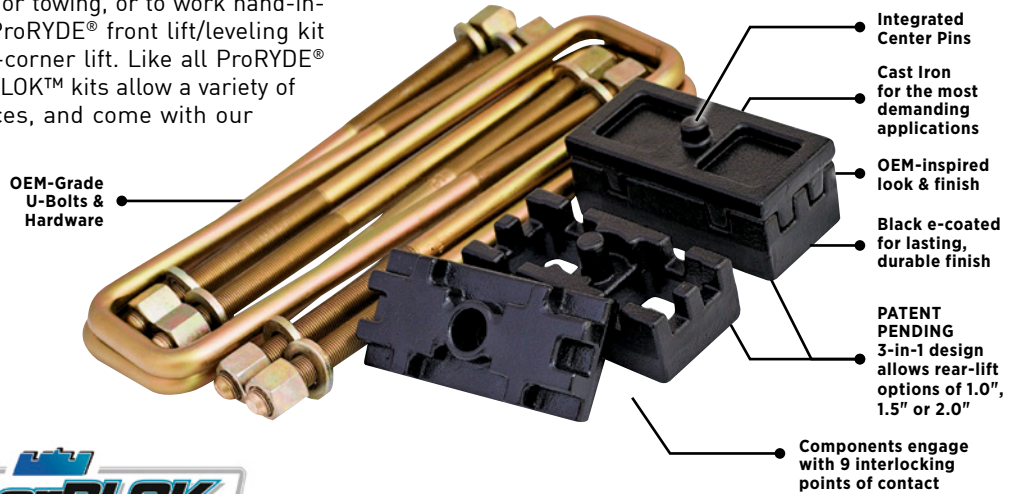
ALIGNMENT // ALIGNMENT TOOLS & SYSTEMS

➔ Heavy Duty Alignment Tools & Systems

LEAF SPRING & COIL SPRING SUSPENSIONS

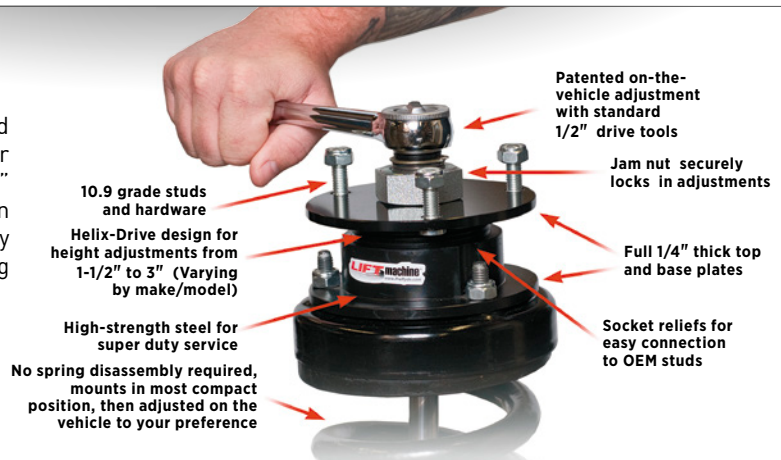
ProRYDE® SuperBLOK™ 3-in-1 rear leaf spring blocks will safely lift the rear of your truck 1" 1-1/2" or 2", your choice! SuperBLOK™ is designed to put a slight rake back in your leveled truck for hauling or towing, or to work hand-in-hand with your ProRYDE® front lift/leveling kit for a complete 4-corner lift. Like all ProRYDE® products, SuperBLOK™ kits allow a variety of ride height choices, and come with our lifetime warranty.

PRORYDE[®] SUSPENSION SYSTEMS
LIFT IT. LEVEL IT. TUNE IT.



LIFTMACHINE™

LIFTmachine™ is the product that launched the adjustable lift kit revolution! While our competitors provide a "non-adjustable" solution, LIFTmachine™ is easily installed in the most compact position possible, then simply adjusted to your liking all the way to 3" (varying by make and model).



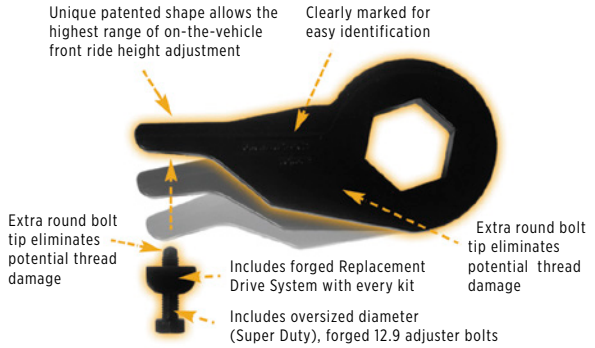
➔ Heavy Duty Alignment Tools & Systems

TORSION BAR KEYS

Forged Duck Head™ Torsion Bar Keys are like no other aftermarket torsion key front lift and leveling kit. Competitive products have simply mirrored the shape of the original key, and “indexed” or changed the position of the hex to put more initial preload on the torsion bar. We went through the painstaking process of redesigning the entire adjustment system, as well as the shape of the key itself. We’re the only aftermarket torsion key manufacturer that includes a complete forged replacement drive system and bolts with every kit we sell.



PRO RYDE SUSPENSION SYSTEMS
LIFT IT. LEVEL IT. TUNE IT.



YEAR	MAKE/MODEL	2WD/4WD	MAX TIRE DIA.	FRONT LIFT/LEVELING KIT				REAR LIFT KIT		
				SUSP. TYPE	LIFT MACHINE #	DUCK HEAD #	FRONT LIFT	SUSP. TYPE	SUPERBLOK X	REAR LIFT
CHEVROLET/GMC										
02-06	Avalanche 1500 (6-Lug)	2WD/4WD	33"	Torsion		64-1000G	Up to 3.0"	Coil	56-1100G*	1.0", 1.5", 2.0"
07-13	Avalanche 1500 (6-Lug)	2WD/4WD	32"	Strut	74-1000G		2.0" to 3.0"	Coil	56-1100G*	1.0", 1.5", 2.0"
02-10	Avalanche 2500 (8-Lug)	2WD/4WD	33"	Torsion		64-1200G	Up to 2.5"	Leaf	52-1200G*	1.0", 1.5", 2.0"
99-06	Sierra/Silverado L.D.1500 (6-Lug)	2WD	OE					Leaf	52-1000G*	1.0", 1.5", 2.0"
99-06	Sierra/Silverado L.D.1500 (6-Lug)	4WD	33"	Torsion		64-1000G	Up to 3.0"	Leaf	52-1000G*	1.0", 1.5", 2.0"
07-13	Sierra/Silverado L.D.1500 (6-Lug)	2WD/4WD	32"	Strut	74-1000G		2.0" to 3.0"	Leaf	52-1000G*	1.75", 2.25", 2.75"
99-10	Sierra/Silv. H.D. 1500/2500 (8-Lug)	2WD/4WD	33"	Torsion		64-1200G	Up to 2.5"	Leaf	52-1200G* (1)	1.0", 1.5", 2.0"
02-10	Sierra/Silverado 3500 (8-Lug)	2WD/4WD	33"	Torsion		64-1200G	Up to 2.5"	Leaf	52-1200G* (1)	1.0", 1.5", 2.0"
11-13	Sierra/Silverado 2500/3500 (8-Lug)	2WD/4WD	33"	Torsion		64-1400G	Up to 2.25"	Leaf	52-1400G* (1)	1.0", 1.5", 2.0"
00-06	Suburban/Yukon XL 1500 (6-Lug)	2WD/4WD	33"	Torsion		64-1000G	Up to 3.0"	Coil	56-1100G*	1.0", 1.5", 2.0"
07-13	Suburban/Yukon XL 1500 (6-Lug)	2WD/4WD	32"	Strut	74-1000G		2.0" to 3.0"	Coil	56-1100G*	1.0", 1.5", 2.0"
00-10	Suburban/Yukon XL 2500 (8-Lug)	2WD/4WD	33"	Torsion		64-1200G	Up to 2.5"	Leaf	52-1200G*	1.0", 1.5", 2.0"
96-06	Tahoe/Yukon (6-Lug)	2WD/4WD	33"	Torsion		64-1000G	Up to 3.0"	Coil	56-1100G*	1.0", 1.5", 2.0"
07-13	Tahoe/Yukon (6-Lug)	2WD/4WD	32"	Strut	74-1000G		2.0" to 3.0"	Coil	56-1100G*	1.0", 1.5", 2.0"
02-09	Trailblazer/Envoy/Bravada	2WD/4WD	OE					Coil	56-1100G*	1.0", 1.5", 2.0"
DODGE										
02-05	Ram 1500 2WD	2WD	OE					Leaf	52-2000D*	1.0", 1.5", 2.0"
06-08	Ram 1500 2WD	2WD	34"	Coil	71-2200D*		1.5", 2.0", 2.5"	Leaf	52-2000D*	1.0", 1.5", 2.0"
09-12	Ram 1500 2WD	2WD	33"	Coil	71-2200D*		1.5", 2.0", 2.5"	Coil	56-2100D*	1.0", 1.5", 2.0"
94-01	Ram 1500 4WD	4WD	35"	Coil	71-2500D*		1.5", 1.75", 2.0"			
02-05	Ram 1500 4WD	4WD	35"	Torsion		64-2000D	Up to 2.25"	Leaf	52-2000D*	1.0", 1.5", 2.0"
06-08	Ram 1500 4WD	4WD	35"	Strut	74-2000D		2.0" to 3.0"	Leaf	52-2000D*	1.0", 1.5", 2.0"
09-12	Ram 1500 4WD	4WD	35"	Strut	74-2000D		2.0" to 3.0"	Coil	56-2100D*	1.0", 1.5", 2.0"
03-12	Ram H.D. 2500/3500 (8-Lug) 2WD	2WD	OE					Leaf	52-2500D* (1)	1.0", 1.5", 2.0"
94-02	Ram H.D. 2500/3500 (8-Lug)	4WD	35"	Coil	71-2500D*		1.5", 1.75", 2.0"			
03-13	Ram H.D. 2500/3500 (8-Lug)	4WD	35"	Coil	71-2500D*		1.5", 1.75", 2.0"	Leaf	52-2500D* (1)	1.0", 1.5", 2.0"
10-13	Ram H.D. 4500/5500	4WD	OE	Coil	71-2500D*		1.5", 1.75", 2.0"			
06-13	Ram Mega Cab (8-Lug)	4WD	35"	Coil	71-2500D*		1.5", 1.75", 2.0"			
FORD										
97-02	Expedition	4WD	33"	Torsion		64-3000F	Up to 2.5"			
03-11	Expedition	2WD/4WD	35"	Strut	74-3000F		2.0" to 3.0"			
97-04	F150/F250 L.D. Incl. Heritage	4WD	33"	Torsion		64-3000F	Up to 2.5"			
04-12	F150 2WD	2WD	33"	Strut	74-3200F		1.5" to 2.25"	Leaf	52-3100F*	1.0", 1.5", 2.0"
04-13	F150	4WD	35"	Strut	74-3000F		2.0" to 3.0"	Leaf	52-3000F*	1.0", 1.5", 2.0"
09-13	F150	4WD	35"	Strut	74-3200F		1.5" to 2.25"	Leaf	52-3000F*	1.75", 2.25", 2.75"
05-10	F250 Super Duty	4WD	37"	Coil	71-3500F*		2.0", 2.5"	Leaf	52-3501F* (1)	1.0", 1.5", 2.0"
11-13	F250 Super Duty	4WD	37"	Coil	71-3500F*		2.0", 2.5"	Leaf	52-3503F* (1)	1.0", 1.5", 2.0"
05-10	F350 Super Duty	4WD	37"	Coil	71-3500F*		2.0", 2.5"	Leaf	52-3502F* (1)	1.0", 1.5", 2.0"
11-13	F350 Super Duty	4WD	37"	Coil	71-3500F*		2.0", 2.5"	Leaf	52-3504F* (1)	1.0", 1.5", 2.0"
08-13	F450/F550 Super Duty	4WD	35"	Coil	71-3500F*		2.0", 2.5"			
TOYOTA										
03-09	4Runner	2WD/4WD	32"	Strut	71-5500T*		1.5", 2.0", 2.5"			
10-13	4Runner	2WD/4WD	32.5"	Strut	71-5500T*		2.0", 2.5", 3.0"			
07-12	FJ Cruiser	2WD/4WD	32"	Strut	71-5500T*		1.5", 2.0", 2.5"			
08-12	Sequoia	2WD/4WD	33"	Strut	74-5000T		2.0" to 3.5"			
05-12	Tacoma/PreRunner	2WD/4WD	32.5"	Strut	71-5500T*		1.5", 2.2", 2.75"	Leaf	52-5000T*	1.0", 1.5", 2.0"
07-13	Tundra	2WD/4WD	33"	Strut	74-5000T		2.0" to 3.5"	Leaf	52-5000T*	1.0", 1.5", 2.0"

*Multi-Adjustable Kit: Adjusted PRIOR to installation (1) For use ONLY on SRW, non-dually & non-camper applications

ALIGNMENT // ALIGNMENT TOOLS & SYSTEMS

➔ Heavy Duty Alignment Tools & Systems



DWA34000 WHEEL ALIGNMENT SYSTEM

- Measurement of all required alignment specifications
- Targets with no electronics and batteries
- Movable camera boom
- PC computer and storage cabinet
- Windows based software with multiple languages
- Brake pedal depressor and steering lock
- 24" TFT monitor, printer, keyboard, mouse
- Four 4-point clamps 12"-24"* with universal L=45mm grips and targets
- *Optional VIN barcode scanner*
- Complete car database with possible customization
- Alignment specification history of 40+ years
- Simple and user-friendly software

203-34000

**it does not mean rim diameter*

ASCOT NO.	MFG. NO.	DESCRIPTION
203-34000	DWA34000	DWA34000 Wheel Alignment System



For ALIGNMENT RACKS, please go to page 333 in Service Equipment

DWA1000XL WHEEL ALIGNMENT SYSTEM

- 8 sensor CCD technology
- DSP processing
- Four shock resistant BT2 wireless rechargeable alignment heads with charging station standard
- Featherweight alignment heads (Only 5.75 lbs each)
- Lithium ion batteries for long life
- MEMS static accelerometers provide the latest in measuring technology (newest measuring technology)
- 24" wheel clamping range* (30" optional)
- *Optional VIN barcode scanner*
- Laptop computer and storage cabinet standard
- Windows based software with multiple languages
- Spoiler mode
- Complete vehicle and customer database with alignment specification 40+ years
- User friendly software to guide technician
- Color printer
- 24" LCD monitor

203-10003

**it does not mean rim diameter*

ASCOT NO.	MFG. NO.	DESCRIPTION
203-10003	DWA1000XL	DWA1000XL Wheel Alignment System

OTC STRUT TAMER EXTREME

- For use with MacPherson strut springs
- Safe compressor for handling virtually any straight, conical or offset spring
- Adjustable arm and four point locking jaws
- Adjustable center screw that floats from side to side to keep strut straight during compression



ASCOT NO.	MFG. NO.	DESCRIPTION	WEIGHT
228-06580	6580	Master StrutTamer	81 Lbs.
228-06581	6581	Master StrutTamer with Stand	142 Lbs.
228-06582	6582	StrutTamer Stand	61 Lbs.
243-00894	89499	WIDTH: 3"-3-1/2"-4", DEGREE TAPER: 2"	



BRANICK STRUT SPRING COMPRESSOR

- You know the problems... small springs with tight coils, new models with short springs and steeper helix angles
- **The answer for yesterday, today and tomorrow's struts**
- Wall mount brackets standard



Stand not included.

ASCOT NO.	MFG. NO.	DESCRIPTION
228-07400	7400	Strut Spring Compressor
228-00741	741	Bench Mount
228-00744	744	Strut Tool Cart

RADIAL RUNOUT GAUGE

Radial runout is an out of round condition in which the radius of the wheel or tire is not consistent from the wheel center to any point on the rim or the tread. Tire and wheel radial runout are often factors in troubleshooting ride and handling and in maintaining correct wheel balancing to reduce vibration.

- Measures vehicle vibration sensitivity
- Measures out of round condition
- **Easy to use: only 2 adjustments**
- Pinpoints high or low spots in the tire
- Determines accurate centering of tire and wheel mounting



247-33173

ASCOT NO.	MFG. NO.	DESCRIPTION
247-33173	64250	Radial Runout Gauge

The Radial Runout Gauge in use.



ALIGNMENT // ALIGNMENT TOOLS & SYSTEMS