



# body and chassis

## Quick Turn Fasteners and Accessories

Cadmium plated fasteners speed removal of body panels and are available in two body lengths to accommodate various material thickness. To select the proper fastener/spring, determine the total thickness of the panels being joined including the space in between, if any. Select the appropriate body length and spring height combination to provide the desired thickness range.

### Oval Head Buttons

	10-Pack Part No.	50-Pack Part No.
<b>1/4"</b>		
.400" Long, Steel	ALL19211	ALL19213
<b>5/16"</b>		
.500" Long, Steel	ALL19214	ALL19215
.500" Long, Aluminum	ALL19276	ALL19278*
<b>7/16"</b>		
.400" Long, Steel	ALL19216	ALL19218
.500" Long, Steel	ALL19220	ALL19222
.550" Long, Steel	ALL19230	ALL19232
.400" Long, Aluminum	ALL19280	ALL19282
.500" Long, Aluminum	ALL19286	ALL19288
.550" Long, Aluminum	ALL19290	ALL19292



### Flush Head Self-Ejecting Buttons

	10-Pack Part No.	50-Pack Part No.
<b>5/16"</b>		
.400" Long, Steel	ALL18990	ALL18992
.450" Long, Steel	ALL18996	ALL18998
.500" Long, Steel	ALL19000	ALL19002
.550" Long, Steel	ALL19006	ALL19008
.650" Long, Steel	ALL19010	ALL19012
<b>7/16"</b>		
.500" Long, Steel	ALL19100	ALL19102
.550" Long, Steel	ALL19110	ALL19112



### Oversized Oval Head Buttons

	10-Pack Part No.	50-Pack Part No.
<b>7/16"</b>		
.500" Long, Steel	ALL19221	ALL19223
.500" Long, Aluminum	ALL19287	ALL19289



### Flush Head Buttons

	10-Pack Part No.	50-Pack Part No.
<b>5/16"</b>		
.500" Long, Steel	ALL19186	ALL19188
.500" Long, Aluminum	ALL19256	ALL19258
<b>7/16"</b>		
.400" Long, Steel	ALL19190	ALL19192
.500" Long, Steel	ALL19200	ALL19202
.550" Long, Steel	ALL19210	ALL19212
.400" Long, Aluminum	ALL19260	ALL19262
.500" Long, Aluminum	ALL19266	ALL19268
.550" Long, Aluminum	ALL19270	ALL19272



### Winged Head Buttons

	10-Pack Part No.	50-Pack Part No.
<b>7/16"</b>		
.400" Long, Steel	ALL19236	ALL19238
.500" Long, Steel	ALL19240	ALL19242
.550" Long, Steel	ALL19250	ALL19252



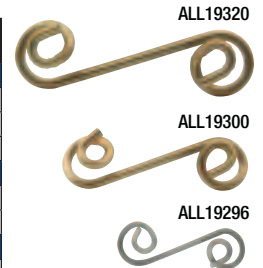
### Winged Head Self-Ejecting Buttons

	10-Pack Part No.	50-Pack Part No.
<b>5/16"</b>		
.400" Long, Steel	ALL19040	ALL19042
.450" Long, Steel	ALL19046	ALL19048
.500" Long, Steel	ALL19050	ALL19052
.550" Long, Steel	ALL19056	ALL19058
.650" Long, Steel	ALL19060	ALL19062
<b>7/16"</b>		
.500" Long, Steel	ALL19064	ALL19066
.650" Long, Steel	ALL19068	ALL19070



### Springs

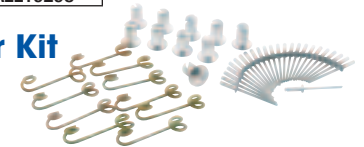
	10-Pack Part No.	50-Pack Part No.
<b>1-3/8" (.090" Wire Diameter)</b>		
.325" Reach	ALL19320	ALL19322
.375" Reach	ALL19330	ALL19332
.425" Reach	ALL19336	ALL19338
<b>1" (.080" Wire Diameter)</b>		
.250" Reach	ALL19300	ALL19302
.325" Reach	ALL19310	ALL19312
<b>3/4" (.062" Wire Diameter)</b>		
.200" Reach	ALL19296*	ALL19298



**A** Transfer Punches, which aid quick fastener installation, and Quick Turn Fastener Wrenches are also available. Please refer to page 5 for a complete listing.

### Quick Turn Starter Kit ALL19410

Not sure where to start when using quick turn fasteners? Use this kit as a starting point to determine correct fasteners for application. Kit includes two different lengths of Allstar's most popular oval head 7/16" fasteners (five ALL19280 and five ALL19286), ten ALL19330 springs and twenty-five multi-grip rivets.



## TECH TIP

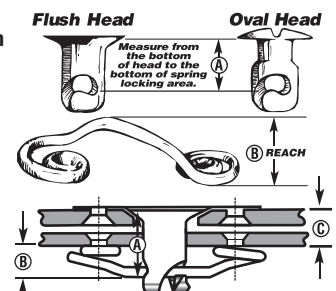
### Quick Turn Fastener Measurement Guidelines

To find (A) Fastener Length, add together (B) Spring Reach and (C) Material Thickness (including bracket if applicable). A=B+C

### Quick Turn Fastener Selection

- Determine the total thickness of the panels being joined including mounting brackets and the space between the panels, if any.
- Select the proper body length and spring height combination which provides the proper thickness range.

Part No. And (B)	(A) .400"	.450"	.500"	.550"	.600"
<b>1" Springs (C) Total Material Thickness Range</b>					
ALL19300 .250"	.165"-.200"	.215"-.250"	.265"-.300"	.315"-.350"	.365"-.400"
ALL19310 .325"	.098"-.133"	.148"-.183"	.198"-.233"	.248"-.283"	.348"-.383"
<b>1-3/8" Springs (C) Total Material Thickness Range</b>					
ALL19320 .325"	.105"-.148"	.155"-.198"	.205"-.248"	.255"-.298"	.355"-.398"
ALL19330 .375"	.055"-.098"	.105"-.148"	.155"-.198"	.205"-.248"	.305"-.348"
ALL19336 .425"	.005"-.048"	.055"-.098"	.105"-.148"	.155"-.198"	.255"-.298"





## body and chassis

### 3/16" Small Head Colored Rivets

Box of 250 has a 1/4" to 3/8" grip range.



Color	Steel Mandrel Part No.	Aluminum Mandrel Part No.
White	ALL18114	ALL18116
Red	ALL18120	ALL18122
Black	ALL18126	ALL18128
Pepsi Blue	ALL18132	ALL18133
Chevron Blue	ALL18134	ALL18135
Orange	ALL18136	ALL18137
Yellow	ALL18138	ALL18139

### 3/16" Large Head Colored Rivets

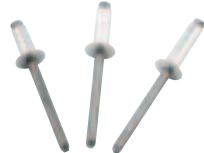
Box of 250 has a 1/4" to 3/8" grip range.



Color	Steel Mandrel Part No.	Aluminum Mandrel Part No.
White	ALL18156	ALL18158
Red	ALL18162	ALL18164
Black	ALL18168	ALL18170
Pepsi Blue	ALL18174	ALL18175
Chevron Blue	ALL18176	ALL18177
Orange	ALL18178	ALL18179
Yellow	ALL18180	ALL18181

### 3/16" Small Head Silver Rivets

Box of 250. Various grip ranges available.



Steel Mandrel Part No.	Aluminum Mandrel Part No.	Grip Range
ALL18101	ALL18107	1/8" To 1/4"
ALL18103	ALL18109	1/4" To 3/8"
ALL18105	-	3/8" To 1/2"

### 3/16" Large Head Silver Rivets

Box of 250 (unless noted†). Various grip ranges available.



Steel Mandrel Part No.	Aluminum Mandrel Part No.	Grip Range
ALL18141	ALL18149	1/8" To 1/4"
ALL18143	ALL18151	1/4" To 3/8"
ALL18145†	-	1/4" To 3/8"
ALL18147	ALL18153	3/8" To 1/2"

† Box of 3,000 rivets

### 3/16" Multi-Grip Rivets

Box of 250 with steel mandrel. Various grip ranges available.



Color	Part No.	Head Size	Grip Range
Silver	ALL18110	Small	3/16" to 3/8"
Silver	ALL18090	Medium	1/16" to 3/8"
Black	ALL18091	Medium	1/16" to 3/8"
White	ALL18092	Medium	1/16" to 3/8"
Silver	ALL18094	Large	1/16" to 3/8"
Black	ALL18095	Large	1/16" to 3/8"
White	ALL18096	Large	1/16" to 3/8"

### 3/16" Tri-Fold Rivets

Tri-Fold Rivets are designed to hold panels without the use of back-up washers. 3/8" grip range, box of 250.



Color	Head Size	Steel Mandrel Part No.	Aluminum Mandrel Part No.
White	Small (3/8" Dia. Head)	-	ALL18080
Red	Small (3/8" Dia. Head)	-	ALL18081
Black	Small (3/8" Dia. Head)	-	ALL18082
Chevron Blue	Small (3/8" Dia. Head)	-	ALL18083
Orange	Small (3/8" Dia. Head)	-	ALL18084
Yellow	Small (3/8" Dia. Head)	-	ALL18085
Silver	Small (3/8" Dia. Head)	-	ALL18184
Silver	Medium (1/2" Dia. Head)	ALL18182	ALL18183
Black	Medium (1/2" Dia. Head)	-	ALL18187
White	Medium (1/2" Dia. Head)	-	ALL18188
Red	Medium (1/2" Dia. Head)	-	ALL18189

### 1/8" Small Head Silver Rivets

Stainless Steel Mandrel Part No.	Aluminum Mandrel Part No.	Quantity	Grip Range
ALL18196	ALL18190	500	1/8" To 1/4"
ALL18197	ALL18191	25	1/8" To 1/4"
-	ALL18192	500	5/16" To 3/8"
-	ALL18194	25	5/16" To 3/8"

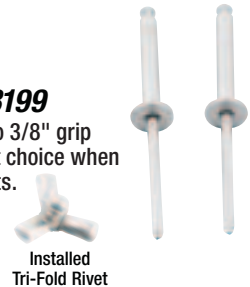
### 1/8" Multi-Grip Silver Rivets ALL18198

Box of 250 with small head and 1/8" to 3/8" grip range. Steel mandrel and an excellent choice when assembling quick turn fastener components.



### 1/8" Tri-Fold Rivets ALL18199

Box of 100 with medium head and 1/8" to 3/8" grip range. Aluminum mandrel and an excellent choice when assembling quick turn fastener components.



### Back-up Washers

Back-up washers provide added strength when fastening panels together or when re-securing damaged panels.

Part No.	I.D.	O.D.	Pkg. Qty.
<b>Aluminum</b>			
ALL18200	1/8"	3/8"	500
ALL18202	3/16"	1/2"	500
<b>Steel</b>			
ALL18215	3/16"	1"	100



**A** full selection of body installation tools including Rivet Guns, 3/16" Drill Bits, Clecos, Cleco Pliers and Body Radius Tool are also offered. Please see pages 3 and 4 for a complete listing.

### Ludwig Clamps ALL18232

Use clamps to secure dash access panels, deck lids and other items. Sold in packs of four.





# body and chassis

## Hex Head Bolts - Coarse Thread Grade 5

Sold each.



Length	1/4"-20 Part No.	5/16"-18 Part No.	3/8"-16 Part No.	7/16"-14 Part No.	1/2"-13 Part No.	5/8"-11 Part No.	3/4"-10 Part No.
3/4"	ALL16201-1	ALL16221-1	ALL16241-1	-	ALL16281-1	-	-
1"	ALL16202-1	ALL16222-1	ALL16242-1	ALL16262-1	ALL16282-1	-	-
1-1/4"	ALL16203-1	ALL16223-1	ALL16243-1	ALL16263-1	ALL16283-1	-	-
1-1/2"	ALL16204-1	ALL16224-1	ALL16244-1	ALL16264-1	ALL16284-1	-	-
1-3/4"	ALL16205-1	ALL16225-1	ALL16245-1	ALL16265-1	ALL16285-1	-	-
2"	ALL16206-1	ALL16226-1	ALL16246-1	ALL16266-1	ALL16286-1	ALL16316-1	ALL16336-1
2-1/4"	-	-	-	-	ALL16287-1	-	-
2-1/2"	ALL16208-1	ALL16228-1	ALL16248-1	-	ALL16288-1	ALL16318-1	ALL16338-1
2-3/4"	-	-	-	-	ALL16289-1	-	-
3"	ALL16210-1	-	ALL16250-1	-	ALL16290-1	ALL16320-1	ALL16340-1
3-1/2"	ALL16211-1	-	-	-	ALL16291-1	ALL16321-1	-
4"	ALL16212-1	-	ALL16252-1	-	ALL16292-1	ALL16322-1	ALL16342-1
4-1/2"	-	-	-	-	ALL16293-1	-	-
5"	-	-	ALL16254-1	-	ALL16294-1	ALL16324-1	ALL16344-1
6"	-	-	ALL16256-1	-	ALL16296-1	ALL16326-1	ALL16346-1
6-1/2"	-	-	-	-	-	-	ALL16347-1
7"	-	-	-	-	ALL16298-1	-	ALL16348-1
7-1/2"	-	-	ALL16258-1	-	-	-	ALL16349-1
8"	-	-	-	-	-	-	ALL16350-1

## Hex Head Bolts - Fine Thread Grade 5

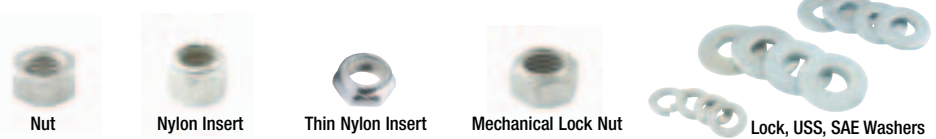
Sold each.



Length	1/4"-28 Part No.	5/16"-24 Part No.	3/8"-24 Part No.	7/16"-20 Part No.	1/2"-20 Part No.	5/8"-18 Part No.	3/4"-16 Part No.
1"	ALL16402-1	ALL16422-1	ALL16442-1	ALL16462-1	ALL16482-1	-	-
1-1/2"	ALL16404-1	ALL16424-1	ALL16444-1	ALL16464-1	ALL16484-1	-	-
2"	ALL16406-1	ALL16426-1	ALL16446-1	ALL16466-1	ALL16486-1	ALL16516-1	ALL16536-1
2-1/2"	-	-	-	ALL16468-1	ALL16488-1	ALL16518-1	ALL16538-1
3"	-	-	-	ALL16470-1	ALL16490-1	ALL16520-1	ALL16540-1
3-1/2"	-	-	-	-	-	-	ALL16541-1
4"	-	-	-	ALL16472-1	ALL16492-1	ALL16522-1	ALL16542-1
5"	-	-	-	ALL16474-1	ALL16494-1	-	ALL16544-1
6"	-	-	-	ALL16476-1	-	-	ALL16546-1

## Hex Nuts And Washers

Sold in packs of 10, 25 or 50.



Coarse Thread	1/4"-20 Part No.	5/16"-18 Part No.	3/8"-16 Part No.	7/16"-14 Part No.	1/2"-13 Part No.	5/8"-11 Part No.	3/4"-10 Part No.
Nut (10-Pack)	ALL16000-10	ALL16001-10	ALL16002-10	ALL16003-10	ALL16004-10	ALL16005-10	ALL16006-10
Nut (50-Pack)	ALL16000-50	ALL16001-50	ALL16002-50	ALL16003-50	ALL16004-50	-	-
Nylon Insert (10-Pack)	ALL16010-10	ALL16011-10	ALL16012-10	ALL16013-10	ALL16014-10	ALL16015-10	ALL16016-10
Nylon Insert (50-Pack)	ALL16010-50	ALL16011-50	ALL16012-50	ALL16013-50	ALL16014-50	-	-
Thin Nylon Insert (10-Pack)	ALL16020-10	ALL16021-10	ALL16022-10	ALL16023-10	ALL16024-10	ALL16025-10	ALL16026-10
Mech. Lock Nut (10-Pack)	ALL16030-10	ALL16031-10	ALL16032-10	ALL16033-10	ALL16034-10	ALL16035-10	ALL16036-10

Fine Thread	1/4"-28 Part No.	5/16"-24 Part No.	3/8"-24 Part No.	7/16"-20 Part No.	1/2"-20 Part No.	5/8"-18 Part No.	3/4"-16 Part No.
Nut (10-Pack)	ALL16050-10	ALL16051-10	ALL16052-10	ALL16053-10	ALL16054-10	ALL16055-10	ALL16056-10
Nylon Insert (10-Pack)	ALL16060-10	ALL16061-10	ALL16062-10	ALL16063-10	ALL16064-10	ALL16065-10	ALL16066-10
Thin Nylon Insert (10-Pack)	ALL16070-10	ALL16071-10	ALL16072-10	ALL16073-10	ALL16074-10	ALL16075-10	ALL16076-10
Mech. Lock Nut (10-Pack)	ALL16080-10	ALL16081-10	ALL16082-10	ALL16083-10	ALL16084-10	ALL16085-10	ALL16086-10

Washers	1/4" Part No.	5/16" Part No.	3/8" Part No.	7/16" Part No.	1/2" Part No.	5/8" Part No.	3/4" Part No.
USS Flat (25-Pack)	ALL16100-25	ALL16101-25	ALL16102-25	ALL16103-25	ALL16104-25	ALL16105-25	ALL16106-25
SAE Flat (25-Pack)	ALL16110-25	ALL16111-25	ALL16112-25	ALL16113-25	ALL16114-25	ALL16115-25	ALL16116-25
Lock (25-Pack)	ALL16120-25	ALL16121-25	ALL16122-25	ALL16123-25	ALL16124-25	ALL16125-25	ALL16126-25



# body and chassis

## Jam Nuts

Allstar Jam Nuts have many uses. Great for locking rod ends tightly on suspension tubes or rack and pinion steering units.

Size	Steel Part No.	Aluminum Part No.
1/4"-28 RH	ALL18250	-
1/4"-28 LH	ALL18251	-
5/16"-24 RH	ALL18252	-
5/16"-24 LH	ALL18253	-
3/8"-24RH	ALL18254	ALL18274
3/8"-24 LH	ALL18255	ALL18275
7/16"-20 RH	ALL18256	ALL18276
7/16"-20 LH	ALL18257	ALL18277
1/2"-20 RH	ALL18258	ALL18278
1/2"-20 LH	ALL18259	ALL18279
5/8"-18 RH	ALL18260	ALL18280
5/8"-18 LH	ALL18261	ALL18281
3/4"-16 RH	ALL18262	ALL18282
3/4"-16 LH	ALL18263	ALL18283
3/4"-16 RH	ALL18264†	-
7/8"-10 RH	ALL18266 (Sway Bar Adj. Nut)	-
1"-8 RH	ALL56110 (Jack Bolt Nut)	-



† Commonly used with UBM35-1107, 3/4"-10 jack bolt.

## Steel Jam Nut Assortments

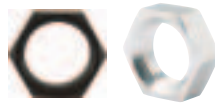
Assortments contain five each of 1/4"-20, 5/16"-24, 3/8"-24, 7/16"-20, 1/2"-20, 5/8"-18 and 3/4"-16.

**Part No. Description**  
 ALL18290.....35 Asst. RH Jam Nuts  
 ALL18291.....35 Asst. LH Jam Nuts



## Thin OD Jam Nuts

Specialty jam nuts have smaller outside diameters allowing smaller wrenches to be used when changing radius rod lengths. Example: with 1/2" bolts the same 3/4" wrench can be used to adjust radius rod or mounting hole locations.



Thread Size	Wrench Size	Steel Part No.	Aluminum Part No.	Black Aluminum Part No.
5/8"-18 RH	3/4"	ALL18292	ALL18296	ALL18286
5/8"-18 LH	3/4"	ALL18293	ALL18297	ALL18287
3/4"-16 RH	15/16"	ALL18294	ALL18298	ALL18288
3/4"-16 LH	15/16"	ALL18295	ALL18299	ALL18289

## Spin Lock Nuts **NEW!**

Nuts have a built-in washer with a serrated face to lock nut tight against panels. 1/4"-20 nuts are perfect to use as a backer nut with Allstar body bolts, nose bolts, and body stud kits.



Color	10-Pack Part No.	50-Pack Part No.
Black	ALL18555	ALL18555-50
Gold	ALL18556	ALL18556-50
Silver	ALL18557	ALL18557-50

## Body Bolt Kit With Clips

### ALL18558

Kit allows the clip to stay fastened to body panel or angle bracing when removing body panels for maintenance or cleaning. 1/4"-20 bolts have a captured washer. Package of 10 bolts and clips.



## Body Bolt Kits

Bolts are designed for easy installation and removal, have 1/4"-20 thread and a built-in captured washer. Nuts have built-in serrations which prevent loosening. Body bolts are commonly used to fasten body panels and side skirts for easy removal but may be used anywhere a bolt with a captured washer is needed. Available in black phosphate or gold anodized finish.

Part No.	Color	Quantity
ALL18560	Black	10
ALL18560-50	Black	50
ALL18561	Gold	10
ALL18561-50	Gold	50



## Nose Bolt Kit

Kit provides a nice, smooth finished look on the top edge of nose panels when installing lower nose supports. Kit includes 10 bolts, flat washers and flanged nuts.

**Part No. Description**  
 ALL18562.....2" Long Kit  
 ALL18563.....2-1/2" Long Kit



## Reducer Bushings

Steel bushings reduce the rod end pivot ball I.D. to accept a smaller bolt size.



Description O.D. To I.D.	2-Pack Part No.	10-Pack Part No.
1/2" To 3/8"	ALL18565	ALL18565-10
5/8" To 1/2"	ALL18566	ALL18566-10
3/4" To 1/2"	ALL18567	ALL18567-10
3/4" To 5/8"	ALL18568	ALL18568-10

## Tapered Spacers

Steel and aluminum tapered spacers make shock or radius rod mounting neat and strong, and help prevent binding. Package of two.



Part No.	Length	Part No.	Length	Part No.	Length
<b>Steel 1/2" I.D.</b>		<b>Steel 5/8" I.D.</b>		<b>Aluminum 1/2" I.D.</b>	
ALL18570	1/4"	ALL18580	1/4"	ALL18590	1/4"
ALL18571	3/8"	ALL18582	1/2"	ALL18592	1/2"
ALL18572	1/2"	ALL18584	3/4"	ALL18594	3/4"
ALL18574	3/4"	ALL18586	1"	ALL18596	1"
ALL18576	1"				



Austin Dillon

Photo By: Bob Appleget



## body and chassis

### Gas Pedals



Gas pedals can be pulled back if throttle binds or return spring fails. Side mount pedals are available as standard or roller design for smoother throttle control. Firewall mount pedal is used on race cars with flat or stock type firewalls.

Part No.	Description
ALL54100	Standard
ALL54101	Roller
ALL54107	Firewall Mount

### Adjustable Gas Pedals

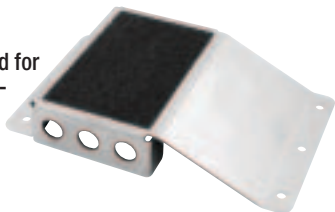
Fully adjustable gas pedals are available for straight or angled foot box panels. Bronze bushings and nylon rollers provide smooth operation. Linkage arm has .250" diameter holes spaced every 1/2" for adjustment of throttle linkage. Aluminum construction.

Part No.	Description
ALL54098	Straight
ALL54099	Angled



### Heel Riser ALL54090

Aluminum heel riser is pre-drilled for easy mounting and includes a non-skid pad. 1" tall x 4-1/2" wide.



### Shifter Boot ALL54130

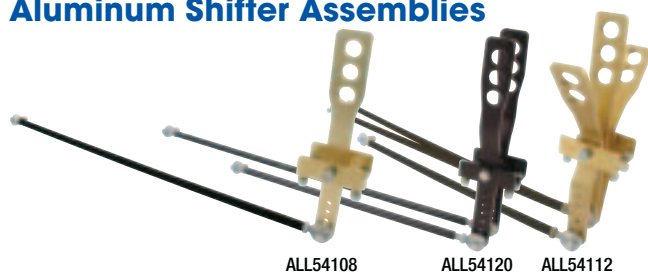
Fire resistant, black, thermal boot helps prevent fire from entering driver compartment. Boot is 7" tall with Velcro strap closure at top. Base is 5" x 7". Used by many Cup, Busch, Truck, CRA and late model teams.



Ty Dillon

Photo By: Bob Appleget

### Aluminum Shifter Assemblies



Anodized lightweight shifters include 3/8" rod ends, locknuts and rods. Rods are tapped for right and left hand 3/8" rod ends.

#### Shifters Include:

- One Lever Shifter – One 24" Shifter Rod
- Two Lever Shifter – One 16" And One 24" Shifter Rod
- Three Lever Shifter – One 16" And Two 24" Shifter Rods

Part No.	Description
ALL54108	One Lever Shifter, Gold
ALL54110	Two Lever Shifter, Gold
ALL54120	Two Lever Shifter, Black
ALL54121	Two Lever Shifter, Red
ALL54122	Two Lever Shifter, Purple
ALL54112	Three Lever Shifter, Gold

#### Replacement Components

ALL54113	14" Aluminum Shifter Rod
ALL54114	16" Aluminum Shifter Rod
ALL54115	20" Aluminum Shifter Rod
ALL54116	24" Aluminum Shifter Rod
ALL54117	30" Aluminum Shifter Rod
ALL54119	40" Aluminum Shifter Rod
AURCM-6	3/8" RH Male Rod End
AURCB-6	3/8" LH Male Rod End
ALL99015	Rod End Reducer Bushing, 3/8" To 1/4"
ALL99016	Nylon Washer Between Shift Levers

### Two Lever Shifter With Lock ALL54125

Black anodized shifter has a built in lock to hold the transmission in gear when track is rough. Shifter includes one 16" long and one 24" long 3/8" shifter rod, 3/8" rod ends and hardware.



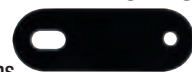
### Two Lever Shifter With Lock ALL54126

Black anodized shifter has a built-in lock which holds the transmission in gear when track conditions are rough. Shifter includes two 22" heavy duty 3/8" shifter rods and mounting hardware. Taller high range locking handle and shorter reverse handle provide easy identification and operation.



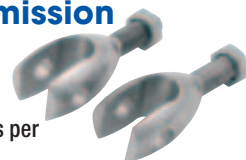
### Universal Aluminum Shifter Arm ALL54118

Made from 1/4" thick aluminum, arms have a 3/8" wide mounting slot and a 1/4" shifter rod mounting hole. Arms work with most transmissions.



### Clevis Kit For Bert Transmission ALL54128

Aluminum clevises have 3/8"-24 thread to connect other Allstar and most other shifters to Bert and Falcon transmissions. Two clevises per kit with jam nuts.





# body and chassis

## Inside Air Blower Motor ALL13000

Inside air unit is commonly mounted inside the cockpit or decking to provide forced, filtered air to the driver for cooling and to help prevent shield fogging. Spun aluminum cover prevents damage to filter assembly. Motor has two speeds and is recommended for 12 volt systems.



### Replacement Components

Part No.	Description
ALL13014.....	Filter
ALL99023.....	Top

## Electric Helmet Breather ALL13012

Self-contained, 12 volt fan has a reusable filter and an RF connector for easy unrestricted helmet removal. A 14" fan wire accepts the 24" pigtail (included). Pigtail has simple red (+) and black (-) wire hook-ups.



### Replacement Component

Part No.	Description
ALL13013.....	Replacement Filter

## Outside Air Blower Motor ALL13001

Outside air unit is commonly mounted inside the driver compartment on vehicles with windows or closed compartment to provide forced, filtered air to the driver for cooling and to help prevent shield fogging. Intake top can be used with 1-1/4" helmet hose or trimmed to accept larger 3" hose such as ALL42150 routed to the motor from outside of the car or fastened to a plastic duct such as ALL42143 for fresh air. Motor has two speeds and is recommended for 12 volt systems.



### Replacement Components

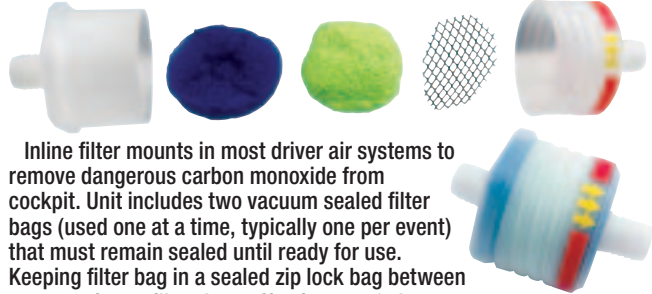
Part No.	Description
ALL13014.....	Filter
ALL99023.....	Top

## Carbon Monoxide Filter ALL13022

Inline filter mounts in most driver air systems to remove dangerous carbon monoxide from cockpit. Unit includes two vacuum sealed filter bags (used one at a time, typically one per event) that must remain sealed until ready for use. Keeping filter bag in a sealed zip lock bag between race sessions will prolong effectiveness (6 hours max. once removed from vacuum sealed sleeve.) After 6 hours of exposure, discard filter bag and replace with a new one - even if a zip lock bag was used. A freshly opened filter bag will be slightly saturated with a gel-like substance that can also be felt inside the bag. After six hours of exposure, the gel-like substance will have completely evaporated leaving only the dried foam agitators.

### Replacement Component

Part No.	Description
ALL13023.....	Filter Bag For ALL13022



## Helmet Hose ALL13021

Black, 4' long hose connects to most helmet fresh air intakes with standard 1-1/4" connector.



## Locking Tear Off Post Kit ALL13100

Unique aluminum tear off posts have a second set-screw locking the posts to the shield so they don't continually come loose. No need to remove shield just to tighten the tear off post! Package of two.



## Hose Adapter ALL13007

2-1/2" to 1-1/4" clear hose adapter.



## Helmet Blower System ALL13020

Remote mount breather system directs filtered, forced air to the driver's helmet for added comfort and safety. Motor assembly has a mounting bracket for easy mounting to chassis or seat back. 4 ft. helmet hose connects to most helmet fresh air intakes with standard 1-1/4" connector. The 9 ft. extension lead can be easily connected to a switched 12-16 volt source. This system weighs 2-1/4 lbs, draws 3.5 amps at 13.6 volts, and produces about 90 CFM of air to the driver providing more than enough air to keep the driver cool and shield clear.



### Replacement Component

Part No.	Description
ALL99021.....	Replacement 7' Long Wiring Harness For ALL13020 <b>NEW!</b>

## Helmet Hooks

Lightweight aluminum hook clamps on roll cage tubing and provides an anchor for attaching helmet strap.



### Part No. Description

ALL10228.....	1-1/2"
ALL10229.....	1-3/4"
ALL10445.....	Reducer Bushing, 1-3/4" To 1-5/8"

## Drink Bottle Kit

Bottle clamps to roll bar for a convenient spot to keep a drink. Lightweight aluminum holder comes with replaceable, insulated bottle.

Part No.	Description
ALL10475.....	1-1/2"
ALL10480.....	1-3/4"
ALL10482.....	Replacement Bottle





## Radio Boxes

Aluminum radio box has a padded insert to absorb vibration. Clamps to roll bar tubing and fits most racing radios. Measures 4"W x 2.5"D. ALL10440/ALL10442 are 7" tall. ALL10441 is 4" tall.

Part No.	Description
ALL10440	Tall Box For 1-3/4" Tubing
ALL10441	Short Box For 1-3/4" Tubing
ALL10442	Tall Box For 1-1/2" Tubing



## Reducer Bushing 1-3/4" To 1-5/8" ALL10445

Allows Allstar Radio Box (ALL10440) to be clamped to 1-5/8" tubing.



## Tachometer Brackets

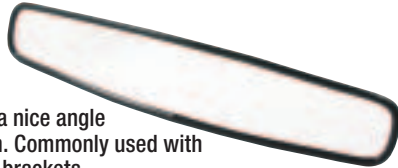
Lightweight, anodized aluminum bracket clamps to roll bar tubing.

Part No.	Description
ALL10450	1-1/2"
ALL10451	1-3/4"



## Convex Mirror ALL76406

14" convex mirror offers a nice angle for viewing the competition. Commonly used with ALL10452-10454 universal brackets.



A complete listing of Universal Brackets can be seen on page 32.

## Race Mirror ALL76404

Full view, four panel tinted mirror is 27-3/4" x 2-3/8" to eliminate blind spots. Includes mounting bracket.



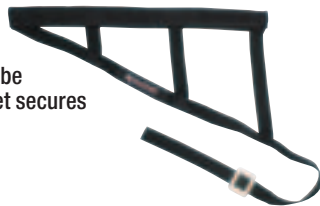
## Triangle Window Net ALL10246

Triangle net originally designed for sprints and midgets also works well on dirt late models and modifieds when wrap-around ends are needed. Net includes quick release buckle and meets SFI 37.1 specs.



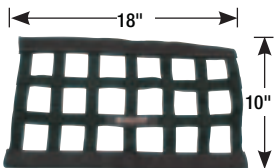
## Dirt Late Model Window Net ALL10247

Triangle window net has a border style top for use with most round tube installation kits. Lower portion of net secures around a lower bar.



## Border Style Window Net 10" x 18" ALL10248

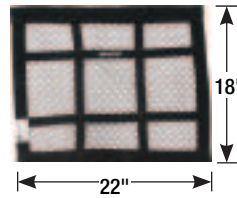
Short style net provides full window coverage and is suitable for cars with low roof lines like late models and modifieds.



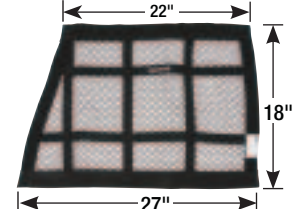
# body and chassis

## Mesh Window Nets

Durable, lightweight, black polyester mesh nets increase driver vision and stop smaller debris than conventional ribbon or string nets. Mount with ALL10218 or ALL10219 installation kits.



Part No.	Description
<b>Rectangular</b>	
ALL10211	22" x 18", Black

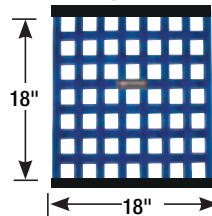


Part No.	Description
<b>Angled</b>	
ALL10214	22" x 27", Black

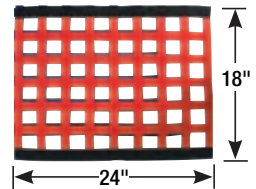
## Ribbon Window Nets

Durable polypropylene nets are ideal for a variety of full-bodied race cars. Webbing is double stitched with heavy nylon thread. All nets meet SFI 27.1 specifications and are appropriately tagged. Choose from square or rectangular nets in black, blue or red.

### Border Style

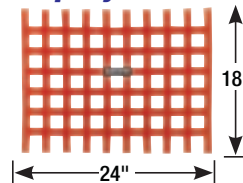


Part No.	Description
<b>Square</b>	
ALL10280	18" x 18", Black
ALL10281	18" x 18", Blue
ALL10282	18" x 18", Red

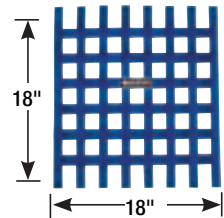


Part No.	Description
<b>Rectangular</b>	
ALL10285	18" x 24", Black
ALL10286	18" x 24", Blue
ALL10287	18" x 24", Red

### Loop Style



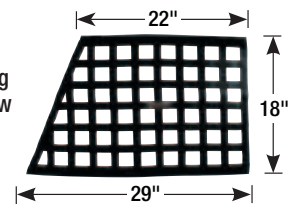
Part No.	Description
<b>Square</b>	
ALL10290	18" x 18", Black
ALL10291	18" x 18", Blue
ALL10292	18" x 18", Red



Part No.	Description
<b>Rectangular</b>	
ALL10295	18" x 24", Black
ALL10296	18" x 24", Blue
ALL10297	18" x 24", Red

## Oblong Net ALL10288

Oblong net with border style mounting encloses more of the driver side window opening for additional protection.





## body and chassis

### Window Net Installation Kits



#### Latch Type Round Tube ALL10217

Lever latch release has a 3/8" round upper support rod for use with border and loop style nets. Mounting brackets are included.



#### Latch Type Flat Bar ALL10218

Lever latch release has a 1" x 1/8" x 29" flat steel bar to securely anchor the window net, and mounting brackets. Use with loop style nets. Will not work with most border type nets.

Part No.	Description
ALL99070.....	Replacement Mounting Tabs



#### Spring Loaded Round Tube ALL10219

Spring-loaded tube eliminates the latch release and provides easy entry and exit. Pushing against the handle releases or fastens window net. Includes a 9/16" spring loaded top tube, 3/4" flat aluminum strap for bottom of net, mounting hardware, handle and instructions. Designed for most border and loop style nets.

Part No.	Description
ALL99071.....	Replacement Mounting Tabs

### Clamp-On Window Net Installation Kits

Clamp-on kit eliminates welding tabs to chassis. Clamps have .600" holes designed to install ALL10219 window net installation kit to chassis tubing.

Part No.	Description
ALL10221.....	1-1/2" Kit
ALL10222.....	1-3/4" Kit

#### Replacement Components

ALL99160.....	1-1/2" Clamp-On Bracket, Fixed
ALL99161.....	1-1/2" Clamp-On Bracket, Swivel
ALL99162.....	1-3/4" Clamp-On Bracket, Fixed
ALL99163.....	1-3/4" Clamp-On Bracket, Swivel



### Roll Bar Padding

Closed-cell foam does not absorb moisture, but progressively absorbs shock (gets more dense as it is compressed). Offset inside diameter allows easy installation, with thicker padding toward driver. Available in 3 foot lengths.

Part No.	Description
ALL14100.....	Black
ALL14101.....	Red
ALL14102.....	Blue
ALL14103.....	Orange
ALL14104.....	Yellow
ALL14105.....	Gray
ALL14106.....	Purple



### SFI Roll Bar Padding

Provides 180 degree coverage where space concerns are not a problem. Peel and stick backing for easy installation. Meets SFI 45.1 specifications. Choose from two sizes, each 3 feet long, black only.

Part No.	Description
ALL14110.....	1-1/8" To 1-1/2" O.D. Tubing
ALL14111.....	1-5/8" To 2" O.D. Tubing



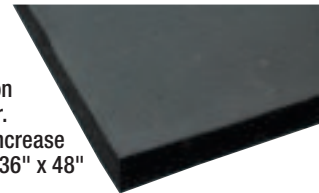
### SFI Mini Roll Bar Padding ALL14112

Mini roll bar padding is ideal for tight areas in a race car when standard padding is too large. Unique, compact design provides driver protection to a specific area. Peel and stick backing for easy installation on 1-1/4" to 1-3/4" tubing. Meets SFI 45.1 specifications. Sold in 3 foot lengths, black only.

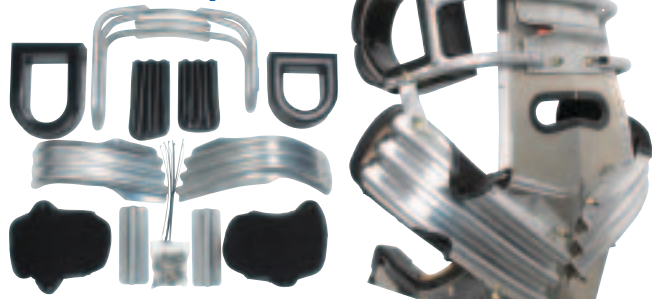


### Door Bar Padding ALL14115

Closed cell padding adds protection from hard surfaces inside a race car. Cover door bars, seat supports, or increase padding in seat for comfort. Sold in 36" x 48" sheets, 3/4" thick.



### Safer Seat System



Bolt-on kit provides added support, comfort and enhanced safety around the head and shoulder area. System bolts to existing seat and is available with short or long right side head supports. Short version commonly used in dirt applications for easier tearoff removal and better vision. Sold unassembled as shown.

Part No.	Description
ALL98150.....	Short RH
ALL98152.....	Long RH

### Car Covers

Designed for precise fit, covers are a must at the track. Asphalt version has zippers to access the interior and at the wheel well openings. Dirt version has zippers to access the engine area and the drivers compartment. Silver in color.

Part No.	Description
ALL23300.....	Asphalt Late Model (Template Body)
ALL23302.....	Dirt Late Model







## SB Chevy Power Steering Kits

Kits include all the major components of a power steering system: power steering pump fitted with a lightweight aluminum pulley, power steering tank, tank mounting bracket, and choice of head or block mounted pump bracket.

Part No.	Description
ALL48240	Head Mount Kit
ALL48242	Block Mount Kit

**Note:** For use with short water pumps.



**A** variety of V-belt pulleys are available for use with the Allstar Performance Power Steering Kits. Please see page 72 for a full listing.

## Power Steering Pump With Pulley ALL48250

Steel pump provides smooth, consistent steering. Includes pulley.

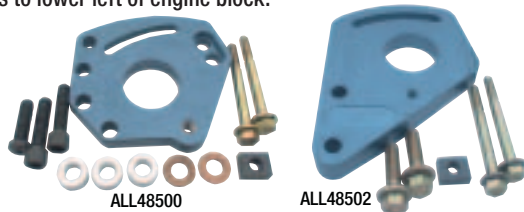
**Replacement Component**

Part No.	Description
ALL48251	Replacement Pulley



## SB Chevy Power Steering Pump Bracket Kits

Aluminum brackets will mount power steering pumps on circle track cars. ALL48500 mounts pump to left cylinder head, and ALL48502 mounts to lower left of engine block.



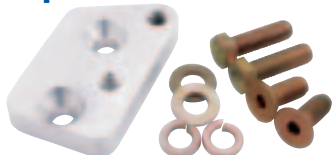
Part No.	Description
ALL48500	Head Mount Kit
ALL48502	Block Mount Kit

**Note:** For use with short water pumps.

**Replacement Components**

ALL48505	Bracket To Head Bolt Kit
ALL48506	Bracket To Block Bolt Kit
ALL48507	Pump To Bracket Bolt Kit
ALL48508	Adjuster T-Nut

## Pump Bracket Kit ALL48520



Kit adapts KSE belt driven fuel pumps and tandem fuel/PS pumps to Bert bellhousing. Mounting hardware included.

## Economy Power Steering Tank With Bracket ALL36130

Aluminum tank has no internal baffles, and is 8" tall by 3" in diameter with a -6 return fitting on the side and a -10 fitting on the bottom. A mounting bracket for 1-3/4" round tubing is included.

Part No.	Description
ALL36124	Replacement Cap
ALL36126	Tank And Cap Only



# steering and suspension

## Power Steering Tank With Bracket ALL36120

Aluminum tank is 8-1/2" tall overall by 3-1/2" in diameter with a -6 return fitting on the side and a -10 fitting on the bottom. A baffle in the return fitting prevents foaming and cavitation. A mounting bracket for 1-3/4" round tubing is included.

Part No.	Description
ALL36121	Tank And Cap Only
ALL36124	Replacement Cap



## Power Steering Tank Brackets

Brackets secure 3" or 3-1/2" diameter power steering tanks to round tubing, or flat surface such as firewalls. Tanks fasten to brackets with hose clamps or band clamps (not included).



Part No.	Description
ALL36122	Horizontal Mount (1.75" Tubing)
ALL36123*	Horizontal Mount (Aluminum Angle)
ALL36125	Flat Mount

\* Bracket may be clamped to round tubing or bolted to the firewall.

## Power Steering Fittings



Part No.	Description
ALL48210	-6 Male To 16mm Fitting With O-Ring
ALL48211	-6 Male To 14mm Fitting With O-Ring
ALL48212	-6 Male To 18mm Fitting With O-Ring
ALL48214	-6 Male To 9/16"-18 Fitting With O-Ring
ALL48215	-6 Male To 5/8"-18 Fitting
ALL48217	-6 Male To 11/16"-18 Fitting

Fittings convert most power steering boxes and racks to -6 fitting.

**Part No. Description**

**O-Ring Style Fittings**

ALL48210*	-6 Male To 16mm Fitting With O-Ring
ALL48211	-6 Male To 14mm Fitting With O-Ring
ALL48212*	-6 Male To 18mm Fitting With O-Ring
ALL48214	-6 Male To 9/16"-18 Fitting With O-Ring

**Non O-Ring Style Fittings**

ALL48215	-6 Male To 5/8"-18 Fitting
ALL48217	-6 Male To 11/16"-18 Fitting

\* These are the two most common fittings when O-rings are needed.

## Power Steering Hose Kits

Kits are designed to aid installation of a remote type power steering pump to most cars. Steering box fittings are sold separately.

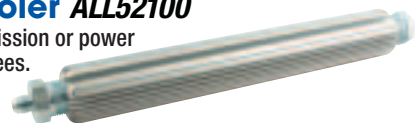


Part No.	Description
ALL48200	Front Kit For Cars W/A Rack And Power Steering Pump Mounted On Engine. 16' Of -6 P/S Hose, (8) -6 P/S Fittings (1-45°, 7-Straight), 3' Of -10 Steel Braided Hose, (2) -10 Fittings (1-90°, 1-Straight).
ALL48204	Kit For Early Stock Gear Box (Modified, Camaro, Street Stock). 6' Of -6 P/S Hose, (4) -6 P/S Fittings (1-45°, 1-Straight, 2-90°), 3' Of -10 Steel Braided Hose, and (2) -10 Fittings (1-90°, 1-120°).

## In-Line Oil Cooler ALL52100

Cooler can cool transmission or power steering fluid by 30 degrees. Easily mounts with two 1/4" bolts or tie wraps.

Suitable for most classes of circle track cars and even the tow vehicle. Includes -6 fittings. Cooler is 14-1/2" long and 1-3/4" in diameter.





# steering and suspension

## Steering Wheel Extensions

Aluminum steering wheel extensions fit between steering wheel and quick disconnect so the distance between driver and steering wheel can be adjusted. Includes fasteners.



Part No.	Description
ALL52310	1/2"
ALL52312	1"
ALL52314	1-1/2"
ALL52316	2"

## Steering Wheel Disconnects

Aluminum hub mates with the steel coupler which must be welded to a 3/4" steel steering shaft (ALL22190). Steering wheel can then be quickly removed and replaced. Choose button style or 360° flange style release.

Part No.	Description
ALL52302	Button Style, Hex
ALL52304	360° Flange Style, Splined

**Replacement Components**  
 ALL52303.....Hex Coupler For ALL52302  
 ALL52305.....Spline Coupler For ALL52304



## Molded Steering Wheel Pad ALL52322

Molded pad fits flat or dished 3-spoke steering wheels. Velcro straps are permanently secured to pad for quick installation.



## Steering Wheel Pad ALL52320

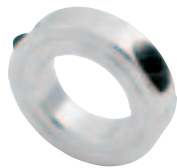
Black vinyl covered pad fastens to most racing steering wheels with three Velcro straps.



## Shaft Collars

Aluminum, 2-piece shaft collars are used on sway bars and steering column assemblies.

Part No.	Description
ALL52140	3/4" I.D.
ALL52142	7/8" I.D.
ALL52144	1" I.D.
ALL52145	1-1/16" I.D.
ALL52146	1-1/8" I.D.
ALL52148	1-1/4" I.D.



## Flange Bearing ALL52130

Self-aligning flange bearing has a .757" I.D. and installs in the firewall to accept the steering shaft. Includes locking collar. Bearing allows shaft to angle up to 40 degrees.



## Oversize Rod End Kit ALL52132

Mounts to steering column bracket to hold steering shaft in place. Kit includes one rod end and two steel 3/4" RH jam nuts. Rod end is .757" I.D. (.007" oversized) to slide over a 3/4" O.D. shaft.



## Steering Shaft Tubing

Seamless D.O.M. tubing with 3/4" O.D. and a .120" wall thickness is ideal for building assemblies to connect steering wheel to steering box or rack and pinion.

Part No.	Description
ALL22190	5 Ft.
ALL22191	6 Ft.

**Related Components**  
 ALL52140.....3/4" Shaft Collar  
 ALL52132.....Oversized Rod End Kit



**Steering Shaft may be mounted with Allstar Performance Steering Column Bracket. Please see page 24.**

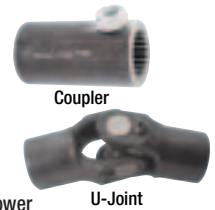
## Collapsible Steering Shaft Assemblies



Steer a race car with complete confidence. When mounted between steering box and firewall, the collapsible shaft will compress in a frontal crash, safely absorbing much of the impact. The heavy wall, 1.140" diameter tubular steel shaft has 3/4"-20 splines on both ends. The durable rubber boot keeps the sliding mechanism free of dirt and debris. Available in two lengths.

Part No.	Description
ALL52170	Long Assembly, 25", Collapses 9"
ALL52171	Short Assembly, 13-1/2", Collapses 5"

**Related Components**  
**Coupler**  
 SWE301-30160.....3/4"-20 x 3/4" Smooth  
**U-Joints**  
 SWE401-50621.....3/4"-20 x 3/4" Smooth  
 SWE401-51021.....3/4"-20 x 3/4"-48 Sweet Spline  
 SWE401-51121.....3/4"-20 x 13/16"-36 Chevy Power  
 SWE401-51221.....3/4"-20 x 3/4"-36 Chevy Manual  
 SWE401-51521.....3/4"-20 x 13/16"-30 New-Chevy Power



## Power Steering Box ALL56352

Popular fully remanufactured GM 800 series style box is used on most 1964-88 GM passenger cars. An excellent replacement for leaking or worn power steering boxes and used in many classes of racing including sportsman, modifieds and street stocks. Box has a 16:1 ratio, a .185 valve for smooth easy operation, -6 AN adapter fittings which are removable when using stock style lines with 16mm and 18mm O-ring fittings, and a 3/4"-20 splined input shaft. Commonly used with ALL56354 pitman arm.



## Pitman Arms

Hard to find Pitman arms for 1968-72 Chevelle.

Part No.	Description
ALL56354	Use with 800 Series Power Box
ALL56355	Use with Manual And 605 Small Power Box



## Inner Tie Rod End ALL56200

Common taper fits most center links as well as Sweet and other steering racks with tapered eyes. Tie rod end has 5/8" RH threads that measure 3-1/2" long. Measures 7" from joint centerline to end of thread.



## Bump Steer Kit ALL18600

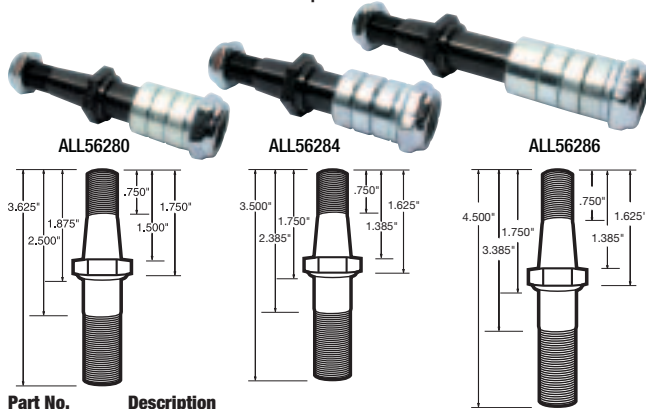
Kit includes a 5/8"-18 x 3" bolt and 4 spacers (.100", .200", .300" and .500").





## Bump Steer Studs

Studs have 1-1/2" per foot taper and simplify bump steer setting. Attach outer tie rod end to spindle so end can be raised or lowered as needed. Self locking nuts, one .100" and three .300" spacers included. ALL56286 also includes a .500" spacer.



Part No.	Description
ALL56280	Bump Steer Kit (Inner), Rack Eye Taper
ALL56284	Bump Steer Kit (Outer), Pinto Taper
ALL56286	Bump Steer Kit, 1" Longer Shank Than ALL56284

## Bump Steer Spacers

Aluminum spacers have 5/8" I.D. hole. Package of two.

Part No.	Description	Part No.	Description
ALL18602	.030"	ALL18606	.300"
ALL18603	.060"	ALL18607	.400"
ALL18604	.100"	ALL18608	.500"
ALL18605	.200"		



## Tie Rod Spacer ALL56288

Spacer corrects bump steer on vehicles that use a rod end as an outer tie rod end. Spacer is used between the spindle arm and the rod end. Steel spacer is 2" tall and has a 5/8" hole.

**A** Allstar Performance Set Up Tool and Set Up Plates may be used to check bump steer, roll center, chassis and axle straightness. Please see page 16 for a full listing.

## Rack And Pinion Spacers

Place aluminum spacers between chassis and rack assembly to help achieve proper front end geometry. Three thicknesses available.

Part No.	Description
ALL52350	3/8" Thick
ALL52351	1/2" Thick
ALL52352	3/4" Thick



## Center Links



Center links are brand new and fit GM applications. Mounting hardware included.

Part No.	Description	Year	Moog No.
ALL56310	Buick Special, Skylark, Grand Sport	1968-72	DS749
	Chevrolet Chevelle, El Camino, Monte Carlo		
	Oldsmobile Cutlass, Hurst, 442		
ALL56311	Buick Century, Regal	1973-77	DS808
	Chevrolet Chevelle, El Camino, Monte Carlo		
	Oldsmobile Cutlass, Hurst, 442		
ALL56312	Buick Century, Regal, GN, GNX	1978-81	DS909
	Chevrolet Malibu, El Camino, Monte Carlo	1978-88	
	Pontiac Bonneville	1982-86	
	Pontiac Grand Prix	1978-87	
ALL56313	Cadillac Fleetwood, Brougham, Deville	1977-84	DS899
	Chevrolet Caprice, Impala, Impala SS	1977-96	
	Oldsmobile Delta 88	1977-85	
	Pontiac Bonneville, Catalina	1977-81	
	Pontiac Parisienne	1983-86	

# steering and suspension

## Adjustable Center Links



Centerlinks add strength and adjustability. Correct bump steer with specially designed inserts (available separately or in kits). Insert kits include one each of four different offsets. Lower center design adds engine oil pan clearance. OEM frame cross member must be modified.

Part No.	Description
ALL56330	Center Link, Metric GM 1978-88
ALL56331	Center Link, Camaro 1970-81

### Replacement Components

ALL99084	Stud For ALL56330 Pitman End (Long)
ALL99085	Stud For ALL56330 Idler End (Short)
ALL99086	Stud For ALL56331 Pitman End (Long)
ALL99087	Stud For ALL56331 Idler End (Short)

## Center Link Shims ALL99088

Bump steer shims are a direct replacement part for ALL56330/56331 adjustable centerlinks. 12-Pack (6 each) .030"/.060".



## Adjustable Center Link Inserts ALL56334

Insert Kit 0", 1/8", 1/4", 3/8".



## Individual Inserts

Part No.	Description
ALL56335	Insert 0" Offset (Centered)
ALL56336	Insert 1/8" Offset
ALL56337	Insert 1/4" Offset
ALL56338	Insert 3/8" Offset



## UMP Tubular Lower Control Arms

Heavy duty, UMP-certified control arms are made with 1-1/4" D.O.M. tubing for maximum strength. Black powder coated with high quality rod ends, arms accept stock replacement ball joints. Conventional springs must be mounted with the closed end seated in the control arm and the open end in the upper spring cup. Rod end spacer kit sold separately.

Part No.	Description
ALL56320	RH, 1968-72 Chevelle
ALL56321	LH, 1968-72 Chevelle
ALL56323	RH, 1968-74 Nova
ALL56324	LH, 1968-74 Nova

### Spacer Kits

ALL56322	1968-72 Chevelle, 4 Pcs.
ALL56325	1968-74 Nova, 5 Pcs.

**Note:** Ball joints should be tack welded into lower control arm after assembly.



## Lower Control Arms

Lower control arms fit most asphalt racing chassis. Includes ball joint and rod end.

Part No.	Description
ALL56180	LH Adjustable, 15-1/2" To 16"
ALL56181	RH Adjustable, 17-3/4" To 18-1/2"
ALL56182	RH Adjustable, 17-3/4" To 18-1/2" (With Rod End Sway Bar Mount)





# steering and suspension

## Lower Control Arm Kits

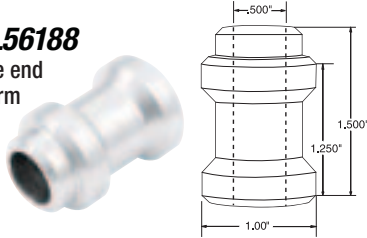
Universal kits are 2" longer than standard arms and must be cut to length before welding slug into place. Ball joint sold separately.

Part No.	Description
ALL56185.....	RH Kit, Use With Press-In Ball Joint (ALL56206)
ALL56186.....	LH Kit, Use With Screw-In Ball Joint (ALL56216)
ALL56187.....	RH Kit, Use With Screw-In Ball Joint (ALL56216)

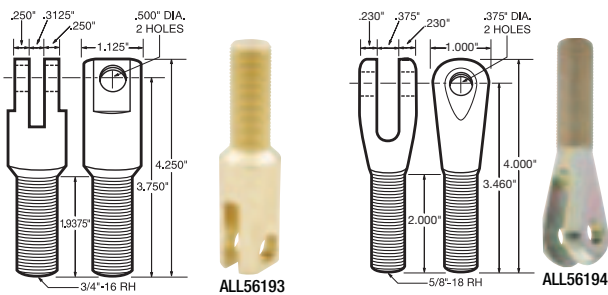


## Inner Bushing ALL56188

Bushings mount on the inside end of a strut-style lower control arm to act as a spacer between each side of the 3/4" inner rod end and the crossmember. Two required per control arm, sold as a two pack.



## Steel and Aluminum Clevises



3/4" clevises attach strut rod to A-frame (3/4"-16 thread with a 1/2" hole). 5/8" clevises, commonly used with Lefthander style upper A-arms, connect to ball joint holder (5/8"-18 thread with a 3/8" hole).

Part No.	Description
ALL56192.....	3/4" RH Steel
ALL56193.....	3/4" RH Aluminum
ALL56194.....	5/8" RH Steel

## Short GN Strut Bar ALL56190

Fits lower strut arm on strut bar chassis. Bar has 3/4"-16 LH threads (3" long). Hole spacing is 2-1/2".



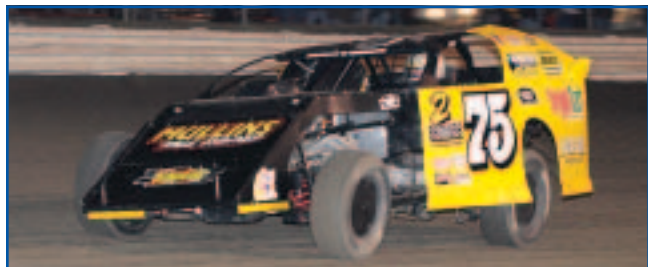
## Double Adjusters

Steel double adjusters increase adjustment capability of control arms, trailing arms, Panhard bars and other items using threaded tube. Adjuster includes (1) LH and (1) RH jam nut.

Part No.	Description
ALL56196.....	5/8"
ALL56197.....	3/4"



Sample of double adjuster usage



Bar Hartman

Photo By: Bob Appleget

## Steel Control Arm Bushings

Allstar Steel Control Arm Bushings replace stock rubber bushings and eliminate deflection, a common problem with original equipment bushings.



## Lower Control Arm Bushing Applications

Part No.	Description	Underhead Length	Hole Size
<b>Chevelle, Monte Carlo, GM Intermediates</b>			
ALL56230	1.345" Dia., 1964-66 (Front) 2nd Design	2.100"	.500"
	1.345" Dia., 1967-74 (Front)	2.100"	.500"
ALL56232	1.645" Dia., 1964-66 (Front) 1st Design	2.100"	.500"
	1.645" Dia., 1975-77 (Front)	2.100"	.500"
	1.645" Dia., 1964-72 (Rear)	2.100"	.500"
	1.645" Dia., 1978-88 (Rear)	2.100"	.500"
ALL56233	1.645" Dia.	2.100"	.562"
ALL56234	1.900" Dia., 1973-77 (Rear)	2.100"	.500"
ALL56235	1.900" Dia.	2.100"	.562"
ALL56236	1.440" Dia., 1978-88 (Front)	2.750"	.500"
<b>Camaro, Firebird</b>			
ALL56230	1.345" Dia., 1967-74 (Front)	2.100"	.500"
ALL56232	1.645" Dia., 1975-Up (Front)	2.100"	.500"
	1.645" Dia., 1967-72 (Rear)	2.100"	.500"
ALL56234	1.900" Dia., 1973-88 (Rear)	2.100"	.500"
ALL56236	1.440" Dia., 1982-92 (Front)	2.750"	.500"

## Upper Control Arm Bushing Applications

Part No.	Description	Underhead Length	Hole Size
<b>Chevelle, Monte Carlo, GM Intermediates</b>			
ALL56238	1.275" Dia., 1967-72 (All)	1.250"	.675"
ALL56240	1.530" Dia., 1978-88 (All)	1.500"	.695"
ALL56242	1.394" Dia., 1973-77 (Front)	1.500"	.690"
ALL56244	1.311" Dia., 1973-77 (Rear)	1.425"	.690"
<b>Camaro, Firebird</b>			
ALL56238	1.275" Dia., 1967-69 (All)	1.250"	.675"
ALL56242	1.394" Dia., 1974-79 (Front)	1.500"	.690"
ALL56244	1.311" Dia., 1974-79 (Rear)	1.425"	.690"

## Upper Control Arm Brackets ALL60025

Stamped 3/16" mild steel brackets weld to chassis as a mounting point for upper control arm. Brackets have two 5/8" holes, spaced 7/8" apart for adjustment. May be trimmed to desired height.



## Upper Control Arm Mount ALL60190

Mount is flame cut from 1/2" thick steel, with a 6" bolt spacing. Welds to frame and accepts upper A-arm.



## Upper Control Arm Shims

Use shims to easily adjust caster and camber. Dual mount shims are for use with 6" on center control arms. Shims are slotted for 1/2" bolts.

Part No.	Description
ALL60210.....	A-Arm Shim Kit, Includes ALL60203-60209 One Of Each Size
ALL60200.....	0.062" Individual, 10-Pack
ALL60201.....	0.125" Individual, 10-Pack
ALL60203.....	0.125" Dual Mount, 1-Piece
ALL60204.....	0.185" Dual Mount, 1-Piece
ALL60205.....	0.250" Dual Mount, 1-Piece
ALL60206.....	0.375" Dual Mount, 1-Piece
ALL60207.....	0.500" Dual Mount, 1-Piece
ALL60208.....	0.750" Dual Mount, 1-Piece
ALL60209.....	1.00" Dual Mount, 1-Piece



ALL60205



ALL60200

**A** Toe Plates are offered to simplify setting toe-in and toe-out. Please see page 16 for listing.



## Screw-In Upper Ball Joint ALL56214

Most popular upper joint used. Originally used in Dodge, Chrysler and Plymouth cars. Fits Allstar ball joint holders and Lefthander chassis style upper control arm or where a screw-in type ball joint is required. (Replaces Moog K772 or AFCO 20034)



## Bolt-In Upper Ball Joints ALL56204

Fits UB Machine style upper control arm where a bolt-in style ball joint is required. (replaces Moog K6024, TRW 10185, or AFCO 20031)



## ALL56208

Bolt-in type joint fits Impala spindle. Can be used to raise roll center on street stock and modified cars. Fits Impala, Camaro and Chevelle spindles. (replaces Moog K6136, TRW 10269, or AFCO 20032-1)



## ALL56220

Fits full-size 1971-94 Impala spindles. Also fits 1971-81 Camaro and 1973-88 Chevelle/Monte Carlo. (replaces Moog K5208, TRW 10268, or AFCO 20032)



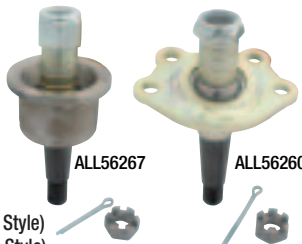
## Adjustable Upper Ball Joints

With mono-ball joints, upper control arm angles can be adjusted. Joints include plate, ball, tapered shaft, adjuster bushings and nut.

- | Part No. | Description   |
|----------|---|
| ALL56260 | LH Large GM Joint (ALL56204 Style)                    |
| ALL56261 | RH Large GM Joint (ALL56204 Style)                    |
| ALL56264 | LH Mid-Size GM Joint (ALL56220 Style)                 |
| ALL56265 | RH Mid-Size GM Joint (ALL56220 Style)                 |
| ALL56267 | Adjustable Screw-In Upper Ball Joint (ALL56214 Style) |

### Replacement Components

- ALL56262.....Stud For ALL56260, ALL56261 And ALL56267  
ALL56266.....Stud For ALL56264 And ALL56265



## Low Friction Upper Ball Joints

Low friction economical OEM ball joints are high performance units designed for smooth suspension travel. Some ball joints are available with longer than stock pin length for correcting roll centers. Ball joints have hardened pins with stock type housings and are not rebuildable. Legal for classes that require non-take apart ball joints. For off-road use only.



Part No.	Length	Style
<b>Screw-In</b>		
ALL56010	Standard	Allstar 56214 And Moog K772
ALL56011	1/2" Longer	Allstar 56214 And Moog K772
ALL56012	1" Longer	Allstar 56214 And Moog K772
<b>Bolt-In</b>		
ALL56014	Standard	Allstar 56204 And Moog K6024
ALL56015	3/8" Longer	Allstar 56208 And Moog K6136
ALL56018	Standard	Allstar 56220 And Moog K5208
ALL56019	1/2" Longer	Allstar 56220 And Moog K5208

# steering and suspension

## Ball Joint Holders



ALL56290 ALL56292 ALL56294 ALL56295 ALL56296

Holders are ideal for those who fabricate their own control arms. The holders have a 5/8" male RH thread and a 3/8" hole, commonly used with a clevis. Holders accept screw-in ball joints, sold separately.

- | Part No. | Description  |
|----------|--|
| ALL56290 | LH Angled Stud, Angled Tab, Standard Spread        |
| ALL56292 | RH Angled Stud, Straight Tab, Standard Spread      |
| ALL56294 | LH Angled Stud, Angled Tab, Wide Spread            |
| ALL56295 | RH Angled Stud, Straight Tab, Wide Spread          |
| ALL56296 | Universal Straight Stud, Straight Tab, Wide Spread |
| ALL56194 | 5/8" RH Steel Clevis (Commonly Needed)             |
| ALL56214 | Screw-In Ball Joint (Most Common)                  |

## Unwelded Ball Joint Holder Kit ALL56298

Kit allows components to be welded at any angle. Stud is 5/8"-18 RH thread, bracket has a 3/8" hole. Holder accepts ALL56214 style screw-in upper ball joint.



## Ball Joint Sleeves

- Steel sleeves allow custom fabrication of control arms.
- | Part No. | Description                                   |
|----------|---|
| ALL56250 | Small Screw-In Upper Fits Ball Joint ALL56214 |
| ALL56251 | Large Screw-In Lower Fits Ball Joint ALL56216 |
| ALL56252 | Large Press-In Lower Fits Ball Joint ALL56206 |



## Adjustable Lower Ball Joints

Replace standard ball joint with an adjustable mono-ball style lower ball joint. Includes adapter sleeve, ball, adjuster bushings, stud and nut.

- | Part No. | Description   |
|----------|---|
| ALL56270 | Screw-In Chrysler Stud (Common Dirt, Allstar 56216 Style)                 |
| ALL56276 | Screw-In GM Impala Stud (Common Asphalt) ALL56216 Style With ALL56206 Pin |
| ALL56272 | Press-In Large GM Impala Stud (Common Asphalt, Allstar ALL56206 Style)    |
| ALL56274 | Press-In Mid-Size GM Stud (Allstar ALL56218 Style)                        |

### Replacement Components

- ALL56271.....Stud For ALL56270  
ALL56273.....Stud For ALL56272 And ALL56276  
ALL56275.....Stud For ALL56274  
ALL58002.....Replacement Mono-Ball  
ALL99092.....Housing For ALL56270 And ALL56276  
ALL99093.....Housing For ALL56272  
ALL99094.....Housing For ALL56274  
ALL99096.....Replacement Snap Ring  
ALL99097.....Replacement Spacer Kit



**A** Ball Joint Spreader Tool, which aids ball joint removal, and Taper Reamer, a tool used in the modification of tie rods, spindles and ball joints, are shown on page 11.



Curt Spalding

Photo By: John Berglund



# steering and suspension

## Screw-In Lower Ball Joints

### ALL56216

Fits Lefthander chassis style lower control arm or where a large screw-in type ball joint is required. (replaces Moog K727 or AFCO 20036)

### ALL56217

Compatible with stock lower control arms modified with UB Machine UBM40-3303 weld-in threaded sleeve. (replaces Moog K719)

## Weld-In Lower Ball Joints

### ALL56206

Weld-in joint fits most tubular control arms including 1971-76 Impala. Taper fits most tubular and Impala spindles. Base O.D. is 2.190". (replaces Moog K6141, TRW 10267, or AFCO 20038)

### ALL56210

Weld-in lower joint fits 1964-72 Chevelle and 1967-69 Camaro, control arms and spindles. (replaces Moog K5103, TRW 10197, or AFCO 20033)

### ALL56212

Weld-in joint fits Impala spindle. Can be used to raise the roll center on street stock or modified cars. Base O.D. is 1.975". (replaces Moog K6117, TRW 10264, or AFCO 20038-1)

### ALL56218

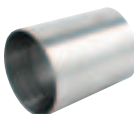
Fits popular full-size 1977-89 Impala spindles. Also fits 1971-81 Camaro and 1973-88 Chevelle/Malibu. (replaces Moog K6145, TRW 10277, or AFCO 20039)

## Low Friction Lower Ball Joints

Part No.	Length	Style
<b>Screw-In</b>		
ALL56030	Standard	Allstar 56216 And Moog K727
ALL56031	1/2" Longer	Allstar 56216 And Moog K727
ALL56034	Standard	Allstar 56216 Housing With 56206 Pin
ALL56035	1/2" Longer	Allstar 56216 Housing With 56206 Pin
<b>Weld-In</b>		
ALL56038	Standard	Allstar 56206 And Moog K6141
ALL56042	Standard	Allstar 56210 And Moog K5103
ALL56046	Standard	Allstar 56218 And Moog K6145
ALL56047	1/2" Longer	Allstar 56218 And Moog K6145

## Adapter Bushing ALL56225

Convert a 2" taper per foot hole to accept a ball joint with a 1-1/2" taper per foot. For lower ball joints only.



## Metric Spindles

New replacement spindles for 1979-88 GM cars. Sold each.

Part No.	Description
ALL56318.....	LH
ALL56319.....	RH



## Metric Monte Carlo Brake Rotor

5-lug hub/rotor fits 1982-88 Monte Carlo spindle. Available with 4-3/4" or 5" bolt circle. Bearings and seal not included. 10.5" dia. x 1.03" thick.

Part No.	Description
ALL42087.....	Hub/Rotor 4.75" BC With 12mm-1.50 Studs
ALL42088.....	Hub/Rotor 5.00" BC With 5/8"-11 Studs



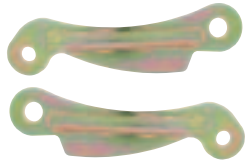
ALL42088

### Accessories

ALL72128.....	Hub Seal
ALL72274.....	Outer Bearing (Bearing Has .865" I.D.)
ALL72275.....	Inner Bearing
ALL72278.....	Outer Bearing (Bearing Has .843" I.D.)

## Metric Spindle Savers ALL42130

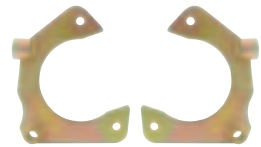
Stamped steel spindle savers strengthen GM Metric spindles, reinforcing the steering arm portion of the spindle and making them suitable for wheel-to-wheel racing. IMCA legal and easily installed, spindle savers are retained by the lower ball joint and tie rod end retaining nuts. Sold in pairs.



**Spindle Checker Tools and Metric Spindle Gauge are offered for the purpose of checking for bent spindles. Please see page 10 for full listing.**

## Mustang II Caliper Brackets

Install 11" Granada rotors and intermediate GM metric style calipers on stock height or lowered spindles with these bolt-on caliper brackets. Lightweight steel brackets weigh just 1.25 lbs each, are sold individually and do not include mounting hardware.



ALL42110

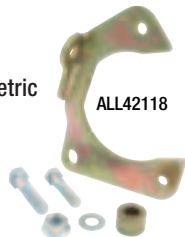
ALL42111

Part No.	Description
ALL42110.....	LH Lightweight Steel Caliper Bracket, Sold Individually
ALL42111.....	RH Lightweight Steel Caliper Bracket, Sold Individually

## Hybrid Caliper Brackets

Brackets adapt smaller hybrid rotor and metric calipers to Pinto /Mustang II spindles.

Part No.	Description
ALL42118.....	LH
ALL42119.....	RH



ALL42118

## Brake Calipers

Stock style calipers are perfect replacements on most GM vehicles and will fit up to 1" wide rotor. Metric inlet thread is 10mm x 1.50 pitch. Big GM inlet thread is 7/16"-20.

Part No.	Description
ALL42081.....	RH 1973-77 Big GM
ALL42082.....	LH 1973-77 Big GM
ALL42083.....	RH 1978-87 Metric GM
ALL42084.....	LH 1978-87 Metric GM



**Note: We reference RH (right-hand) or LH (left-hand) based on the caliper being mounted behind the rotor, however, all calipers may be mounted on the front or backside of the rotor.**



## Caliper Bolts *ALL42080*

Unique caliper bolts for most GM calipers have a 5/8" hex head for easy installation and removal. Features a 1-1/8" sleeve for extra caliper travel. Package of two.



## Mustang II Spindles

Stock height spindles for Mustang II are a direct replacement for stock O.E. spindles. Spindles accept stock rotors and caliper brackets but are commonly used with 11" Granada rotors, Allstar calipers, and brackets.

Part No.	Description
ALL56307	.....Pair (RH And LH)
ALL56308	.....LH Only
ALL56309	.....RH Only



## IMCA Legal Mustang II Spindles

Same stock height spindle as ALL56307 but these spindles have the official IMCA stamp of approval. Sold each.

Part No.	Description
ALL56303	.....LH Spindle
ALL56304	.....RH Spindle



## Granada Brake Rotor

Fits the Ford Pinto/Mustang II spindle. Five-lug rotor is available with 4-1/2", 4-3/4" or 5" bolt circles. Assembly has races installed. Bearings and seal not included. 11" diameter x .875".

Part No.	Description
ALL42090	.....Hub/Rotor 4.50" BC With 1/2"-20 Studs
ALL42091	.....Hub/Rotor 4.75" BC With 1/2"-20 Studs
ALL42089	.....Hub/Rotor 5.00" BC With 5/8"-11 Studs

### Accessories

ALL72126	.....Hub Seal
ALL72270	.....Inner Bearing
ALL72274	.....Outer Bearing



ALL42090

## Spindle Nut Kits

Kit includes nut, lock ring, retainer ring and locking screws. Fits Wide 5, Allstar, Howe and Port City 5x5 spindles.

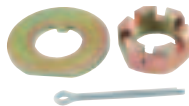
Part No.	Description
ALL44130	.....Steel Spindle Nut Kit
ALL44131	.....Aluminum Spindle Nut Kit
ALL44132	.....Replacement Locking Screws, 4-Pack.



## Spindle Lock Nut Kits

Kit includes nut, washer and cotter pin for stock spindles.

Part No.	Description
ALL72160	.....GM Metric
ALL72161	.....Pinto/Mustang II



## Front Hub Dust Caps

Stock replacement style dust caps.

Part No.	Description
ALL72164	.....GM Metric Hub, 2-3/32" O.D.
ALL72165	.....Ford Hub, 1-10/32" O.D.



# steering and suspension

## Wide 5 Bearing Spacer

### *ALL72320*

CNC-machined to fit all Wide 5 hubs, adjustable spacer fits between inner and outer bearings. Prevent overtightening and consistently set bearing pre-load while reducing bearing drag.



## Bearing Spacer For Hybrid Rotor

### *ALL72322*

CNC-machined spacer fits Pinto or Mustang II spindles when used with Hybrid brake rotors (USB9850-6505), commonly used on IMCA/UMP modifieds. Once properly adjusted, spacer pre-loads the bearings by tightening against the inner races, reducing drag on the hub. All load is directed to the inside of the bearing and spacer.



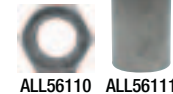
## Coarse Thread Weight Jack Bolts

Weight jack bolts have 1"-8 threads for quick adjustment. Use with ALL56114 and ALL56115 style spring plates.

Part No.	Description
ALL56106	.....8" Long Steel
ALL56107	.....11" Long Steel
ALL56108	.....8" Long Aluminum
ALL56110	.....1"-8 Coarse Thread Nut Only
ALL56111	.....1"-8 Coarse Thread Nut With Sleeve



ALL56107



ALL56110 ALL56111

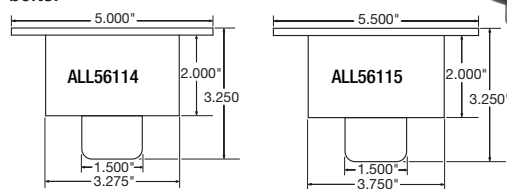
## Weight Jack Plate *ALL56112*

Heavy-duty steel plate has a threaded boss welded to the center to accept jack bolts with 1"-8 coarse threads. O.D. is 5". Use with Allstar weight jack bolts (ALL56106, ALL56107 and ALL56108).



## Upper Spring Plates

Steel upper spring plates work with conventional coil springs and most common weight jack bolts.



Part No.	Description
ALL56114	.....Standard Plate For 5" Spring
ALL56115	.....Oversize Plate For 5-1/2" Spring



Jason Feger

Photo By: Jin DenHamer



# steering and suspension

## Weight Jack Bolts With Internal Thread

Bolts have an internal thread, 7/16"-20, on one end for use with bolt-on and swiveler spring cups. Fine thread bolts have 1-1/8"-12 outer threads, while coarse thread bolts are 1"-8. Available in steel or aluminum.

Part No.	Description
ALL56090	6" Aluminum, Fine Thread
ALL56091	8" Aluminum, Fine Thread
ALL56092	6" Steel, Fine Thread
ALL56093	8" Steel, Fine Thread
ALL56094	4" Steel, Coarse Thread
ALL56095	6" Steel, Coarse Thread



## Fine Thread Jack Bolt Collar ALL56098

Steel collar is 1-3/8" tall x 1-5/8" dia., has 1-1/8"-12 thread and welds to frame. Includes grease fitting.



## Bolt-On Upper Spring Plates

Bolts to internal thread jack bolts. Keeps spring centered to the jack bolt.

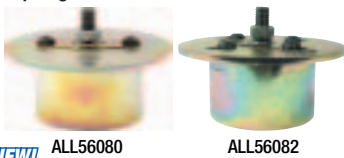
Part No.	Description
ALL56096	Aluminum
ALL56097	Steel



## "Swiveler" Spring Cups

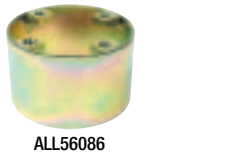
Used with conventional coil springs, this mono-ball and stud helps eliminate binding between the spring cup and jack bolt. The stud threads into jack bolts with an internal thread (Allstar ALL56090). Two styles available: Welded Style, where spring sleeve is welded to the plate, and Pro-Series with bolt-on spring sleeves to accommodate various spring diameters and rates.

Part No.	Description
ALL56080	Welded Style, 3.25" O.D.
ALL56082	Pro-Series, 3.25" O.D.
ALL56083	Pro-Series, 3.50" O.D.
ALL56084	Pro-Series, 3.75" O.D.
ALL56077	Pro-Series, 4.00" O.D.
ALL56078	Pro-Series, 4.25" O.D.



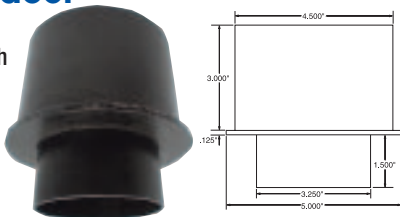
### Replacement Spring Sleeves

ALL56086	3.25"
ALL56087	3.50"
ALL56088	3.75"
ALL56089	4.00" <b>NEW!</b>
ALL56085	4.25" <b>NEW!</b>



## Coil Spring Spacer ALL56116

Steel spacer is used with conventional coil springs. May be shortened to required length.



## Coil Spring Shims

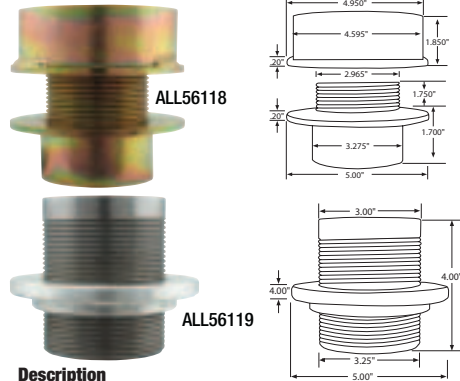
Used with ALL56116, or whenever weight jack bolts are not allowed, to raise car height for set-up purposes. 5" diameter, 3-3/8" I.D.

Part No.	Description
ALL56120	3/16" Shim
ALL56121	1/8" Shim



## Adjustable Spring Spacers

Spacer adapts racing front springs for use on street stock cars where weight jack bolts are not allowed.



Part No.	Description
ALL56118	All Steel Assembly
ALL56119	Steel Sleeve With Aluminum Adjustable Nut

## Lower Spring Plate ALL56124

Welds to 3" diameter rear end tube and works with conventional 5" coil springs. Length is 7". Sold each.



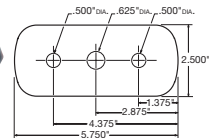
## Clamp-On Lower Spring Pad ALL56127

Steel clamp-on leaf spring pad fits 3" diameter axle tubes. Pad measurements are the same as ALL56126. Sold each.



## Leaf Spring Pad ALL56126

Welds to 3" diameter rear end housing and works with most leaf springs. Sold each.



## U-Bolt Pads

U-bolt pads fit 3" dia. axle tubes and have 1/2" bungs welded on for shock mounting.



Part No.	Description
ALL60036	RH Pad
ALL60037	LH Pad
ALL60038	Dual Mount Pad



Jared Landers

Photo By: John Berglund