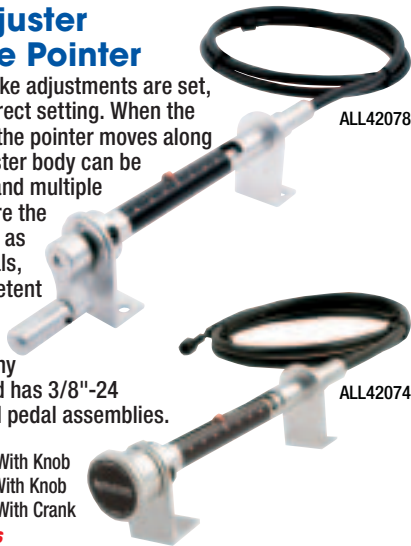




# brake system

## Brake Bias Adjuster With Reference Pointer

Know exactly where brake adjustments are set, no more guessing the correct setting. When the adjusting knob is turned, the pointer moves along the reference scale. Adjuster body can be pivoted for easy viewing and multiple applications. Record where the pointer is located and use as baseline. Housing, internals, brackets and knob with detent are all made of aluminum. Each includes a five foot cable that can be cut to any length for a custom fit and has 3/8"-24 threads for most standard pedal assemblies.



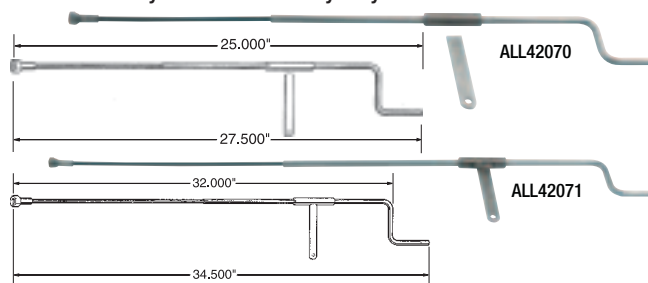
Part No.	Description
ALL42074	Short Adjuster With Knob
ALL42076	Long Adjuster With Knob
ALL42078	Short Adjuster With Crank

### Replacement Components

ALL99116	Cable Assembly
ALL99117	Ball, Spring And Set Screw

## Brake Bias Adjusters

Adjust brake bias from the driver seat to compensate for changing track conditions. Adjusters mount to balance bars with 3/8"-24 threads. Two styles available: heavy duty crank or cable with knob.



Part No.	Description
ALL42070	Short Heavy Duty Steel Crank-Style Adjuster
ALL42071	Long Heavy Duty Steel Crank-Style Adjuster
ALL42072	5 Ft. Long Cable-Style Adjuster
ALL99116	Replacement Cable Assembly



## Brake Bias Gauge

Gauges show actual front and rear line pressure for making brake bias changes before or during the race. Pre-assembled units have 0-1,000 PSI liquid filled gauges with 1/8" NPT male fittings and bleeder valves to evacuate air from the gauges. 2-3/4" x 4-1/2" pre-drilled panels are offered in horizontal or vertical versions.



Part No.	Description
ALL80170	Vertical
ALL80172	Horizontal

**A Swivel Head Brake Pressure Gauge, which installs in place of the bleeder screw, is offered to measure brake pressure. Please see page 13.**

## Deluxe Nylon Brake Line Kits

Deluxe kits feature push lock fittings to ease installation. Kits include 30 feet of line and fittings. Not for street use.

Part No.	Description
ALL48018	Kit For Use Without Brake Gauges
ALL48019	Kit For Use With Brake Gauges

### Replacement Fittings

ALL48020	1/8" NPT Male To Push Lock Hose
ALL48021	1/8" NPT Female To Push Lock Hose
ALL48022	Plastic T - All To Push Lock Hose
ALL48023	Plastic T - (2) Push Lock, (1) 1/8" NPT
ALL50184	1/8" NPT Male Union, 4-Pack



## Nylon Brake Line Kit ALL48030

Quickly plumb any race car using an Allstar nylon brake line kit. Kit extends from the master cylinder to the caliper and includes 35 feet of 3/16" line, compression ends, unions, tees and 1/8" NPT fittings. Race proven for years. Not for street use.

Part No.	Description
----------	-------------

### Replacement Line

ALL48026	10 Ft.
ALL48027	50 Ft.
ALL48028	100 Ft.

### Replacement Brass Fittings For Nylon Brake Line Kit

ALL48032	1/8" NPT Straight	ALL48032	ALL48034	ALL48036
ALL48033	1/8" NPT 90°			
ALL48034	3/16" Male Union			
ALL48035	3/16" Male Tee			
ALL48036	3/16" Captured End Caps, 10-Pack			
ALL50040	Caliper Fitting 10mm-1.5 Male To 1/8" NPT Female 2-Pk. (Not Included In Kit. Needed For Use With Metric GM Calipers To Nylon Brake Line)			



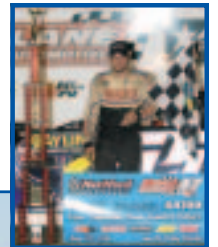
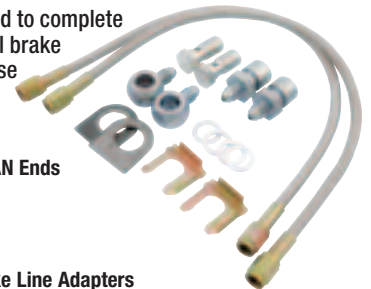
## Brake Hose Kits

Kits include everything needed to complete the connection from 3/16" steel brake line to your brake caliper. Choose the kit designed to fit either metric or big GM calipers.

### Kit Components

- Two 15" Long Hoses With -3AN Ends
- Two Banjo Bolts
- Four Crush Washers
- Two Brake Line Clips
- Two -3AN To 3/16" Steel Brake Line Adapters
- Two -3AN Banjo Fittings
- Two Brake Line Tabs

Part No.	Description
ALL42025	Metric Kit With 10mm-1.50 Bolts
ALL42027	Big GM Kit With 7/16"-20 Bolts



Jeep VanWormer



# brake system

## Steel Brake Line

3/16" steel brake line is available in lengths from 8" to 72" for plumbing brake systems. Standard galvanized zinc coating.

Part No.	Length
ALL48048.....	8"
ALL48050.....	12"
ALL48052.....	20"
ALL48054.....	30"
ALL48056.....	40"
ALL48058.....	51"
ALL48060.....	60"
ALL48062.....	72"



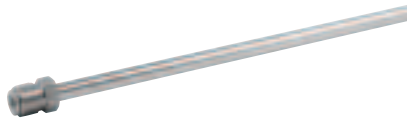
## Stainless Steel Brake Line

304 Grade stainless steel line exceeds SAE and DOT requirements. Pre-made lines include standard size stainless ends for years of service and show quality finish.

Part No.	Length
<b>3/16" Line With 3/8"-24 Ends</b>	
ALL48300.....	8"
ALL48301.....	12"
ALL48302.....	20"
ALL48303.....	30"
ALL48304.....	40"
ALL48305.....	51"
ALL48306.....	60"
ALL48307.....	72"



<b>1/4" Line With 7/16"-24 Ends</b>	
ALL48310.....	8"
ALL48311.....	12"
ALL48312.....	20"
ALL48313.....	30"
ALL48314.....	40"
ALL48315.....	51"
ALL48316.....	60"
ALL48317.....	72"



## Hard Brake Line Display Rack ALL052

Display, organize, and inventory many lengths of 3/16" steel brake line. Rack measures 17" wide, and has 21 slots which hold 6 pieces each. Pre-punched mounting holes provide easy mounting on wall or display fixture. Not for use with braided brake lines.



## Coiled Tubing

Coiled tubing works great for building custom length brake lines without unions. Tubing is easily cut and flared to desired length. Coiled line does not include flare nuts (sold separately).



Part No.	Description	Length
ALL48040	3/16" Standard Zinc	25 Ft.
ALL48308	3/16" Stainless	20 Ft.
ALL48326	1/4" Standard Zinc	25 Ft.
ALL48318	1/4" Stainless	20 Ft.

**4** Tubing Cutters and a Double Flare Tool are useful when fabricating custom length brake lines. Please see pages 12 and 13.

## Master Cylinder Adapter Fittings ALL41012

Fittings adapt master cylinders or combination valves with 1/2"-20 and 9/16"-18 ports to accept 3/16" inverted flare brake line with standard 3/8"-24 fittings. Kit includes one of each fitting.



## Inverted Flare Nuts

3/16" and 1/4" flare nuts are used for building custom brake lines. Nuts are available to fit most master cylinders and metering/proportioning valves. Select proper thread size for line used.

Part No.	Size	Finish	Qty.
<b>Flare Nuts For 3/16" Brake Line</b>			
ALL50110	3/8"-24	Zinc Plated	10-Pack
ALL50111	3/8"-24	Stainless	10-Pack
ALL50113	7/16"-24	Red	2-Pack
ALL50114	1/2"-20	Green	2-Pack
ALL50115	9/16"-18	Olive	2-Pack
<b>Flare Nuts For 1/4" Brake Line</b>			
ALL50116	7/16"-24	Zinc Plated	10-Pack
ALL50117	7/16"-24	Stainless	10-Pack
ALL50118	1/2"-20	Gold	2-Pack
ALL50119	9/16"-18	Blue	2-Pack



## 3/16" Line Clamps

Part No.	Description
ALL18300.....	Rubber Cushioned Aluminum, 10-Pack
ALL18310.....	Nylon, 10-Pack
ALL18320.....	Clamp-On Aluminum, 4-Pack



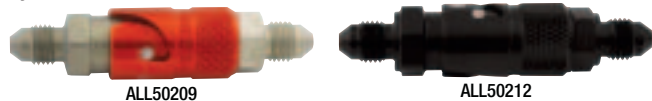
## 1/4" Line Clamps

Part No.	Description
ALL18301.....	Rubber Cushioned Aluminum, 10-Pack
ALL18311.....	Nylon, 10-Pack
ALL18321.....	Clamp-On Aluminum, 4-Pack



## Quick Disconnect Couplings

Two-piece couplings allow lines to be separated without loss of fluid or requirement of bleeding. Commonly used on brake systems when changing front or rear axle assembly, a hydraulic clutch system using a hydraulic throw out bearing or when servicing a transmission with an internal hydraulic clutch.



Part No.	Description
ALL50209.....	Premium Coupling Fitting With -3AN Male Threads
ALL50212.....	Aluminum Coupling With -3AN Male Threads
ALL50215.....	Steel Coupling With 1/8" NPT Female Threads



JR Hotovy

Photo By: John Berglund

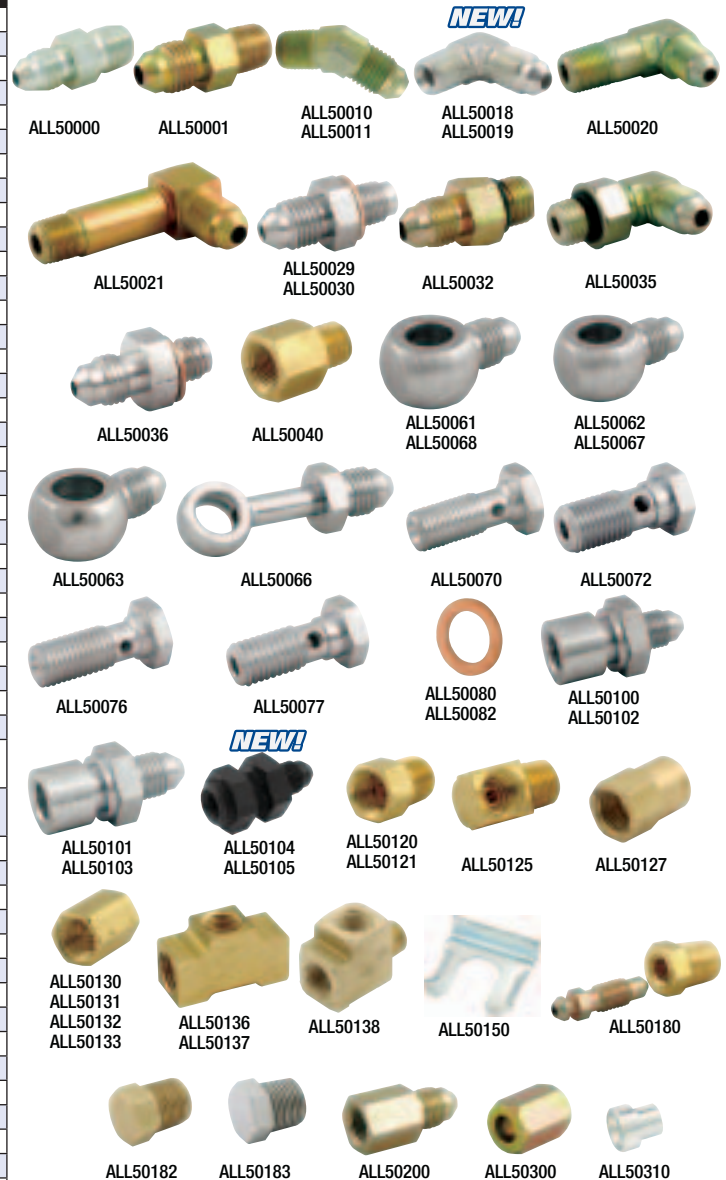


# brake system

## Fittings

We carry a large selection of quality brake fittings to meet all brake plumbing needs. Quantity per pack listed below, as each part number varies.

Part No.	Description	Qty.
ALL50000	Steel Adapter, -3 To 1/8" NPT Wilwood Caliper	2
ALL50001	Steel Adapter, -4 To 1/8" NPT Wilwood Caliper	2
ALL50010	45° Steel Fitting, 1/8" NPT To -3	1
ALL50011	45° Steel Fitting, 1/8" NPT To -4	1
ALL50018	Short 90°, Steel Adapter, 1/8" NPT to -3	1
ALL50019	Short 90°, Steel Adapter, 1/8" NPT to -4	1
ALL50020	Tall 90°, Steel Fitting, 1/8" NPT To -3	1
ALL50021	Tall 90° Steel Fitting, 1/8" NPT To -4	1
ALL50029	3/8"-24 x -3 Caliper Fitting And Crush Washer	2
ALL50030	3/8"-24 x -4 Caliper Fitting And Crush Washer	2
ALL50032	7/16"-20 x -4 Caliper Fitting And O-Ring	2
ALL50035	90° Steel Fitting, 7/16" SAE To -4	2
ALL50036	10mm - 1.50 x -4 Caliper Fitting And Crush Washer	2
ALL50040	10mm - 1.50 Male To 1/8" NPT Female Caliper Fitting	2
ALL50061	3/8" Banjo To -4	2
ALL50062	7/16" Banjo To -3	2
ALL50063	7/16" Banjo To -4	2
ALL50066	10mm Banjo To -4	2
ALL50067	10mm Banjo To -3	2
ALL50068	10mm Banjo To -4	2
ALL50070	3/8"-24 Banjo Bolt, 2-Pack	2
ALL50072	7/16"-20 Banjo Bolt, 2-Pack	2
ALL50076	10mm - 1.25 Banjo Bolt	2
ALL50077	10mm - 1.50 Banjo Bolt	2
ALL50080	7/16" Crush Washer	10
ALL50082	10mm Or 3/8" Crush Washer	10
ALL50100	Steel Adapter -3 To 3/16" Brake Line	2
ALL50101	Steel Adapter -4 To 3/16" Brake Line	2
ALL50102	Steel Adapter -3 To 1/8" NPT	2
ALL50103	Steel Adapter -4 To 1/8" NPT	2
ALL50104	Aluminum Bulkhead Fitting, -3AN To 3/16" Inverted Flare	1
ALL50105	Aluminum Bulkhead Fitting, -4AN To 3/16" Inverted Flare	1
ALL50120	1/8" NPT To 3/16" Inverted Flare	4
ALL50121	1/8" NPT To 1/4" Inverted Flare	4
ALL50125	1/8" NPT To 3/16" Inverted Flare 90°	4
ALL50127	1/8" NPT Female To 3/16" Inverted Flare	4
ALL50130	3/16" Inverted Flare Union	4
ALL50131	1/4" Inverted Flare Union	4
ALL50132	5/16" Inverted Flare Union	4
ALL50133	3/8" Inverted Flare Union	4
ALL50136	3/16" Inverted Female Tee	2
ALL50137	3/16" Inverted Flare Tee With 1/8" NPT	1
ALL50138	1/8" NPT Tee Gauge Fitting	2
ALL50150	Brake Line Clip	4
ALL50180	1/8" NPT Bleeder Screw	4
ALL50182	1/8" NPT Brass Plug	4
ALL50183	3/16" NPT Inverted Flare Plug	4
ALL50184	1/8" NPT Male Union	4
ALL50200	1/8" Female Pipe To -4 Gauge Fitting	1
ALL50300	-3 Tube Nut For 3/16" Steel Brake Line	4
ALL50310	-3 Tube Sleeve For 3/16" Steel Brake Line	4



## Brake Line Adapter Mounting Brackets

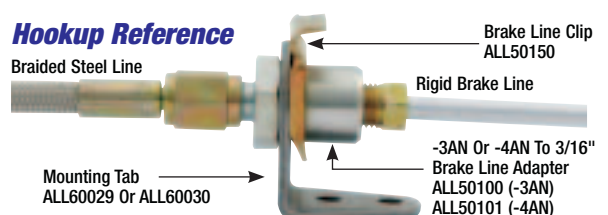
Secure brake line adapters with bolt-on or weld-on brackets. Bolt-on bracket has two 3/16" holes.

Part No.	Description
ALL60029	Bolt-On, 2-Pack
ALL60030	Weld-On, 4-Pack



## TECH TIP

### Hookup Reference





## TECH TIP

The -3 line with the more popular -4 hose ends provides the higher brake pressure of the -3 line. Lines are available straight-to-straight, or straight-to-90 degree.

# brake system

## Braided Steel Lines

A full selection of traditional stainless steel or black coated stainless steel lines are offered in lengths from 6" to 60" with a choice of three different ends. Braided stainless steel outer covering resists abrasion and corrosion. Ideal for use where bending and flexing occur. More durable than rubber hose. Choose from -2 line with -3 hose ends, -3 line with -3 or -4 hose ends, and -4 line with -4 hose ends in straight, 45 degree or 90 degree configurations. Not D.O.T. approved.

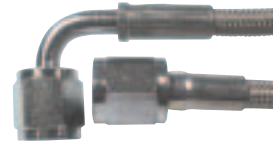
### -2 Black Coated Hose **NEW!** With Two -3 Straight Black Aluminum Ends

Part No.	Size	Part No.	Size
ALL48373	18"	ALL48376	30"
ALL48374	21"	ALL48378	36"
ALL48375	24"	ALL48380	60"



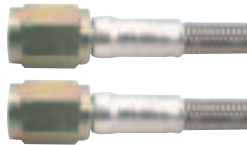
### -3 Hose With One -4 90° End And One -4 Straight End

Part No.	Size
ALL46312-18	18"



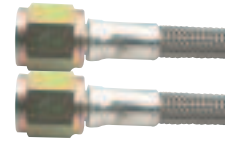
### -3 Hose With Two -3 Straight Ends

Part No.	Size	Part No.	Size
ALL46300-6	6"	ALL46300-21	21"
ALL46300-9	9"	ALL46300-24	24"
ALL46300-12	12"	ALL46300-30	30"
ALL46300-15	15"	ALL46300-36	36"
ALL46300-18	18"		



### -4 Hose With Two -4 Straight Ends

Part No.	Size	Part No.	Size
ALL46400-6	6"	ALL46400-30	30"
ALL46400-9	9"	ALL46400-32	32"
ALL46400-12	12"	ALL46400-36	36"
ALL46400-15	15"	ALL46400-42	42"
ALL46400-18	18"	ALL46400-48	48"
ALL46400-21	21"	ALL46400-60	60"
ALL46400-24	24"		



### -3 Black Coated Hose **NEW!** With Two -3 Straight Black Aluminum Ends

Part No.	Size	Part No.	Size
ALL48361	12"	ALL48365	24"
ALL48362	15"	ALL48366	30"
ALL48363	18"	ALL48368	36"
ALL48364	21"	ALL48370	60"



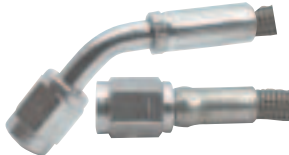
### -4 Black Coated Hose **NEW!** With Two -4 Straight Black Aluminum Ends

Part No.	Size	Part No.	Size
ALL48351	12"	ALL48355	24"
ALL48352	15"	ALL48356	30"
ALL48353	18"	ALL48358	36"
ALL48354	21"	ALL48360	60"



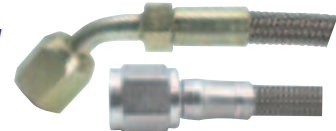
### -3 Hose With One -3 45° End And One -3 Straight End

Part No.	Size
ALL46301-15	15"
ALL46301-18	18"
ALL46301-24	24"



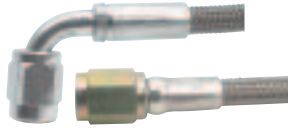
### -4 Hose With One -4 45° End And One -4 Straight End

Part No.	Size
ALL46401-15	15"
ALL46401-18	18"
ALL46401-24	24"



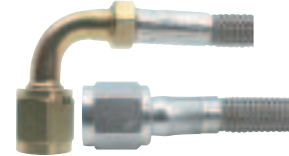
### -3 Hose With One -3 90° End And One -3 Straight End

Part No.	Size	Part No.	Size
ALL46302-6	6"	ALL46302-21	21"
ALL46302-9	9"	ALL46302-24	24"
ALL46302-12	12"	ALL46302-30	30"
ALL46302-15	15"	ALL46302-36	36"
ALL46302-18	18"	ALL46302-42	42"



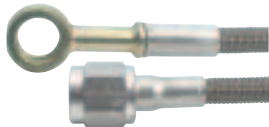
### -4 Hose With One -4 90° End And One -4 Straight End

Part No.	Size	Part No.	Size
ALL46402-6	6"	ALL46402-24	24"
ALL46402-9	9"	ALL46402-30	30"
ALL46402-12	12"	ALL46402-32	32"
ALL46402-15	15"	ALL46402-36	36"
ALL46402-18	18"	ALL46402-42	42"
ALL46402-21	21"	ALL46402-48	48"



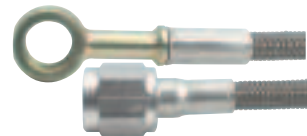
### -3 Hose With One -4 Straight End And One 10mm Banjo

Part No.	Size
ALL46341-24	24"



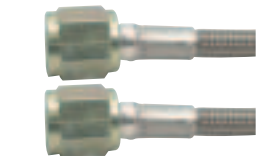
### -4 Hose With One -4 Straight End And One 10mm Banjo

Part No.	Size
ALL46440-24	24"



### -3 Hose With Two -4 Straight Ends

Part No.	Size
ALL46310-15	15"
ALL46310-18	18"
ALL46310-21	21"
ALL46310-24	24"



### -4 Hose With One -4 Straight End And One 1/8" NPT End

Part No.	Size
ALL46420-18	18"
ALL46420-24	24"





# brake system

## Mustang II Front Disc Brake Kits



Improve the stopping power and safety of cars equipped with Mustang II spindles. Kits include large 11" brake rotors in choice of bolt patterns, caliper mounting brackets, calipers, brake pads, and installation hardware. Brake hose kit ALL42025 will help complete the installation.

Part No.	Description
ALL42024	Disc Brake Kit Rotors With 1/2"-20 Wheel Studs 5 On 4.50" B.C.
ALL42029	Disc Brake Kit Rotors With 1/2"-20 Wheel Studs 5 On 4.75" B.C.
ALL42030	Disc Brake Kit Rotors With 5/8"-11 Studs 5 On 5" B.C. (Brake Pads Not Included)

## Rear Disc Brake Kits

Update and greatly improve braking power by converting standard drum brake rear ends to disc brakes. Universal rotor hat fits 5 on 4-1/2", 5 on 4-3/4" and 5 on 5" bolt patterns. Caliper mounting brackets weld onto 3" axle tubes. Rotor hats included in these kits will not work with some aftermarket axles. Axles with flanges larger than 5-3/4" must use cast iron or cast aluminum rotor hats, ALL42121-ALL42129.

**Kits Do Not Have Provisions For Parking Brake**

### ALL42019

Kit includes rotors (.810" x 11.75"), universal rotor hats, rotor bolt kits, caliper mounting bolts and caliper mounting brackets for GM intermediate metric style calipers (ALL42083 and ALL42084).



Wyatt Olson



Joey Fowler

Photo By: John Berglund

## Rear Disc Brake Kits - Cont.

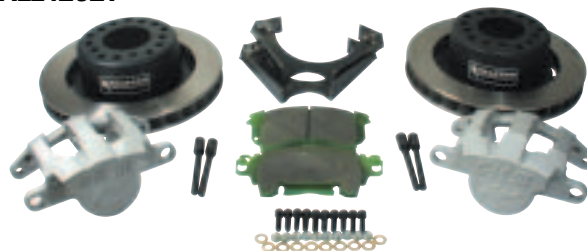
**Kits Do Not Have Provisions For Parking Brake**

### ALL42020



Kit includes rotors (1.250" x 11.75"), universal rotor hats, rotor bolt kits, caliper mounting bolts and caliper mounting brackets for big GM style aftermarket calipers.

### ALL42021



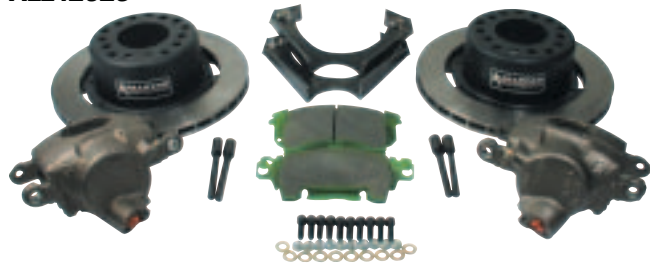
Kit includes rotors (1.250" x 11.75"), universal rotor hats, rotor bolt kits, caliper mounting bolts, caliper mounting brackets, Wilwood billet calipers and Wilwood Green Gator brake pads.

### ALL42022



Kit includes rotors (.810" x 11.75"), universal rotor hats, rotor bolt kits, caliper mounting bolts and caliper mounting brackets for big GM style calipers (ALL42081 and ALL42082).

### ALL42023



Kit includes rotors (.810" x 11.75"), universal rotor hats, rotor bolt kits, caliper mounting bolts, caliper mounting brackets, big GM calipers, and Wilwood Green Gator brake pads.



# tire and wheel

## Foam Mud Plugs

An economical way to prevent mud build-up inside racing wheels. Foam discs, in 5" and 3" thicknesses, install quickly and easily in 15" diameter wheels. Allstar logo is imprinted on one side. Sold each.

- Part No. Color**  
**5" Mud Plugs**  
 ALL44150.....Black  
 ALL44151.....Red  
 ALL44152.....Blue  
 ALL44153.....Orange  
 ALL44154.....Yellow  
 ALL44155.....Purple

- 3" Mud Plugs**  
 ALL44190.....Black  
 ALL44191.....Red  
 ALL44192.....Blue  
 ALL44193.....Orange  
 ALL44194.....Yellow  
 ALL44195.....Purple



## Plastic Wheel Cover ALL44168

High impact black plastic wheel cover fastens quickly with three quick turn fasteners. For use with 15" Weld bead lock wheels.



## Carbon Fiber **NEW!** Wheel Cover ALL44169

Real carbon fiber cover is lightweight and very durable. For use with 15" Weld bead lock wheels. Includes mounting hardware.



## Wheel Cover Kit ALL44170

Most often used on right front wheel to keep out dirt and debris. Clear cover fits most 15" non-beadlock rims. Tighten retaining ring on wheel inner lip, secure jam nut, and attach wheel cover to retaining ring with quick turn fasteners. Sold each.

- Replacement Components**  
**Part No. Description**  
 ALL44171.....Cover With Fasteners  
 ALL44172.....Retaining Ring  
 ALL44173.....Wheel Cover Retainer Kit, 3-Pack



## Aluminum Mud Covers

Prevent mud and dirt build up in outer wheel shell. Covers fasten quickly with three quick turn fasteners. Sold each.

- Part No. Description**  
 ALL44175.....Aero  
 ALL44176.....Bassett/Weld

- Related Components**  
 ALL44178.....Mud Cover Ring For Weld Wheels Without Mounting Flange  
 ALL99165.....Replacement Fasteners, 3-Pack



## Safety Bead Lock ALL44140

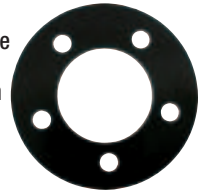
Safety lock (also called bead lock) has steel outer and inner rings and firmly fastens the tire bead to the rim. Run lower tire pressures safely. Grade 8 bolts and washers included. For use with 15" Wheels. Sold each.



## Steel Wheel Spacers

Spacers fit 5x5 hubs with 5/8" studs and provide maximum tread width for adjustment of chassis weight distribution. Spacers are made from tough 1018 steel and have a 3.5" I.D. and a 7" O.D.

- Part No. Description**  
 ALL44124.....1/16"  
 ALL44125.....1/8"  
 ALL44126.....1/4"



## Aluminum Wheel Spacers

Spacers are available in 1/2", 3/4" and 1" thicknesses and fit 4-1/2", 4-3/4" and 5" bolt circle patterns. Spacers increase track width, requiring less wheel offset. Sold each.

- Part No. Description**  
 ALL44121.....1/2"  
 ALL44122.....3/4"  
 ALL44123.....1"

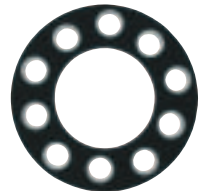
**Note:** 4-1/2" and 4-3/4" bolt patterns have 1/2" holes; 5" bolt pattern has 5/8" holes.



## Plastic Wheel Spacers

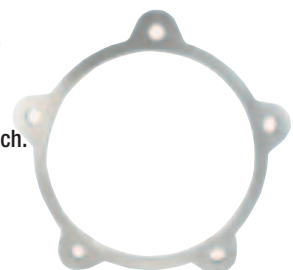
Reduce unsprung weight by up to 80%! Structural composite spacers have been tested and can withstand high heat and high side forces in asphalt use. Must be torqued for proper break-in. Sold each.

Part No.	Description	Thickness
ALL44202	5x5 And 5x4-3/4"	1/4"
ALL44204	5x5 And 5x4-3/4"	1/2"
ALL44206	Wide 5	1/4"
ALL44208	Wide 5	1/2"



## Aluminum Wide 5 Wheel Spacer ALL44127

One-piece aluminum spacer moves wide 5 wheel outboard by 1/4". Sold each.



Chad Simpson

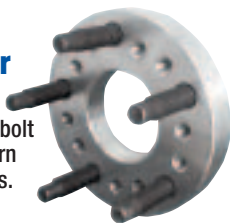
Photo By: Lloyd Collins



# tire and wheel

## Aluminum Wheel Adapter ALL44128

Adapter bolts to stock 5x4-1/2" or 5x4-3/4" bolt circle hub and adapts to 5x5" bolt circle pattern wheel. Fitted with 5/8"-11 coarse thread studs. 1" thick.



## Wheel Rim Screws ALL44045

Self-tapping 1/4" diameter screws can be used to anchor the tire to the rim to prevent spinning. Typically used by dirt late models on the inside bead of the left rear tire. Package of 35.



## Brass Valve Stems

Brass bolt-in valve stem resists cutting during contact. Sold each.

<b>Part No.</b>	<b>Description</b>	<b>ALL44134</b>
ALL44134.....	Brass Valve Stem. Fits .625" Hole	
ALL44135.....	Chrome Plated Brass Valve Stem. Fits .453" Or .625" Hole	

### Replacement Components

ALL99150.....	Valve Core, 10-Pack
ALL99151.....	Valve Stem Caps, 10-Pack



## Snap-In Rubber Valve Stems

Economical rubber valve stems pull through wheel for easy installation. Large stem for 5/8" hole is the most popular size valve stem used in racing wheels. Smaller stem for .453" hole is commonly found in stock steel and utility vehicle wheels.



<b>Part No.</b>	<b>Description</b>
ALL44136.....	Stem For 5/8" (.625") Hole, 4-Pack
ALL44136-50.....	Stem For 5/8" (.625) Hole, 50-Pack
ALL44139.....	Stem For .453" Hole, 4-Pack

## Flush Mount Valve Stem Kit ALL44137

Steel valve stem mounts in standard location and remains flush with the outside of the wheel. Retaining nut attaches from the inside of wheel. Includes extension filler tube and dust cap. Fits 1/2" valve stem hole. Package of four.



### Replacement Components

<b>Part No.</b>	<b>Description</b>
ALL44138.....	Replacement Filler Tube

**A wide assortment of tire related tools are available including Tire Sander and Discs, Tire Tapes, Tire Durometer, Tire Pressure Gauges, Tire Crayons and Markers, Valve Stem Puller, Valve Core Tool and Stagger Gauge. Please see pages 14-18 for a full listing.**

## 0-30 Lb Tire Relief Pre-Setter Gauge ALL44080

An accurate method for presetting tire reliefs. A constant flow of air to the relief duplicates the air pressure against the relief in the tire. Just attach air chuck to one end of the gauge and the relief valve hose to the other end. 0-30 PSI gauge can be recalibrated to zero if dropped.



## Schrader Valves ALL44065

Inflating tires through quick disconnects mounted in rim eliminates an extra valve stem. Valves work with Allstar Performance center reliefs and other popular plastic or aluminum quick disconnect fittings. Sold in pairs.



## Wheel Disconnects

Fit 5/8" dia. valve stem hole for use with center reliefs and Schrader (Fill) valve (ALL44065).

<b>Part No.</b>	<b>Description</b>
ALL44060.....	Plastic, 4-Pack
ALL44061.....	Plastic, Each
ALL44062.....	Aluminum, 4-Pack
ALL44063.....	Aluminum, Each



## Lug Nut Tape ALL44095

Eliminate messy glue; tape is foam padded with adhesive on both sides. Perfect for fast pit stops. 40 pieces per tube.



## Glueless Lug Nuts

Open end lug nuts attach to the wheel with springs for FASTER pit stops! Kits contain 5 glueless lug nuts with springs attached and self-tapping screws for mounting.

<b>Part No.</b>	<b>Description</b>
ALL44107.....	Complete Kit, 5/8"-18 Thread (Fine)
ALL44108.....	Complete Kit, 5/8"-11 Thread (Coarse)
ALL44109.....	Replacement Spring And Screw, 5-Pack



## Lug Nuts

Large diameter, open end lug nuts will not pull through the wheel. Choose steel or aluminum, SAE or metric threads. Nuts fit 1" socket and are sold in packs of 10 or in large boxed quantities of 100, 350 and 400.



Description	Pack Of 10 Part No.	Box Of 100 Part No.	Box Of 350 Part No.	Box Of 400 Part No.
<b>Aluminum Lug Nuts</b>				
5/8"-11 (Coarse) Double Chamfer	ALL44096	ALL44096-100	-	-
5/8"-11 (Coarse) Double Chamfer*	ALL44097	ALL44097-100	-	-
<b>Steel Lug Nuts</b>				
5/8"-11 (Coarse) Double Chamfer	ALL44098	ALL44098-100	-	-
5/8"-11 (Coarse)	ALL44106	ALL44106-100	-	ALL44106-400
5/8"-18 (Fine)	ALL44104	ALL44104-100	-	ALL44104-400
1/2"-20 (Fine)	ALL44102	ALL44102-100	ALL44102-350	-
7/16"-20 (Fine)	ALL44100	ALL44100-100	-	ALL44100-400
12mm - 1.5 (Metric)	ALL44101	ALL44101-100	ALL44101-350	-

\* Hard Coated



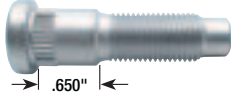
## tire and wheel

### Wheel Studs

Larger-than-stock studs require re-drilling of stock flanges. Check sanctioning body for wheel stud requirements. Package of five.

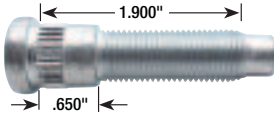
#### ALL44110

1/2"-20 x 2" Long, Fine Thread, .589" Dia. x .650" Tall Knurl.



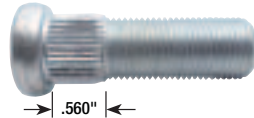
#### ALL44112

1/2"-20 x 2-1/4" Long, Fine Thread, .619" Dia. x .650" Tall Knurl.



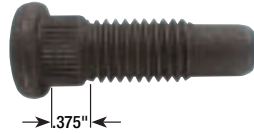
#### ALL44114

5/8"-18 x 2" Long, Fine Thread, .685" Dia. x .560" Tall Knurl.



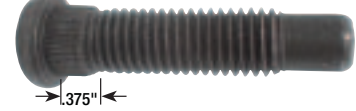
#### ALL44115

5/8"-11 x 2" Long, Coarse Thread, .690" Dia. x .375" Tall Knurl.



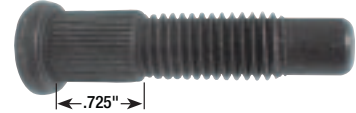
#### ALL44117

5/8"-11 x 2-3/4" Long, Coarse Thread, .690" Dia. x .375" Tall Knurl.



#### ALL44116

5/8"-11 x 2-3/4" Long, Coarse Thread, .690" Dia. x .725" Tall Knurl.



#### ALL44113

5/8"-11 x 3-3/4" Long, Coarse Thread, .690" Dia. x .375" Tall Knurl.



#### ALL44119

5/8"-11 x 3-3/4" Long, Coarse Thread, .690" Dia. x .725" Tall Knurl.



**A special 43/64" drill bit designed for drilling hubs or axles for larger, 5/8" dia. studs with a .690" dia. knurl is available. Please see page 3 for listing.**

## rear end

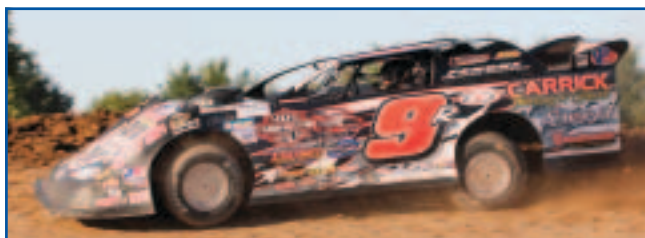
### 9" Non Floater Housing Kit For GM Intermediate Metric Chassis 2" Offset Pinion/Equal Length Axles



Housing kit fits the 1978-88 GM intermediate chassis. Replace a stock GM 7.5" rear-end with the much stronger Ford 9" style. Kit includes a select used center section, new axle tubes with large bearing late Ford/Torino style-ends, 31-spline axles with bearings and seals installed, drilled for 1/2"-20 studs with 5 on 4-1/2", 5 on 4-3/4" and 5 on 5" bolt circles. ALL68752 and ALL68754 include upper and lower trailing arm mounting brackets (ALL60052) welded in place. ALL68753 and ALL68755 do not include trailing arm mounting brackets. Choose from two widths, 58-3/4" and 60-3/4" axle flange to axle flange.

Part No.	Description
ALL68752.....	Ford 9" Housing Kit 58-3/4" With GM Mounts
ALL68753.....	Ford 9" Housing Kit 58-3/4" Without GM Mounts
ALL68754.....	Ford 9" Housing Kit 60-3/4" With GM Mounts
ALL68755.....	Ford 9" Housing Kit 60-3/4" Without GM Mounts

**Note:** these kits are designed to use two equal length axles, pinion will be offset to the right approximately two inches from original.



Curtis Roberts

### 9" Non Floater Housing Kit For GM Intermediate Metric Chassis Centered Pinion/Unequal Length Axles



Housing kit fits the 1978-88 GM intermediate chassis. Replace a stock GM 7.5" rear-end with the much stronger Ford 9" style. Kit includes a select used center section, new axle tubes with large bearing late Ford/Torino style-ends, 31-spline axles with bearings and seals installed, drilled for 1/2"-20 studs with 5 on 4-1/2" or 5 on 4-3/4" bolt circles. Choose from two widths, 58" and 60" axle flange to axle flange.

Part No.	Description
ALL68756.....	Ford 9" Housing Kit 58" Without Mounts
ALL68757.....	Ford 9" Housing Kit 60" Without Mounts

#### Related Components

ALL99170.....	Replacement Axle 32", Cut To Fit
ALL99171.....	Replacement Axle 29", Cut To Fit

**Note:** These kits are designed to use two unequal length axles, locating the pinion approximately in stock (centered) location.



Brian Brindley

Photos By: John Berglund





### Non Floater Replacement Axle

#### ALL99131

Replacement axle for ALL68752, ALL68753 (58"), ALL68754, ALL68755 (60") Ford 9" housing kits. Axle fits ALL68754 with no modification but requires one inch cut from splined end for use in ALL68752. Complete axle assembly includes one axle, seal, bearing, bearing retainer, axle retainer bracket and 1/2" wheel studs. 5.950" flange O.D., 31-spline, 30" long.  
**Note: Axle is non-compatible with ALL42120 Rotor hats.**



### Custom Width Ford 9" Housing ALL68710



Housings, for stock or floating axles, can be built to any width and pinion location. Floating axle housings are available with Allstar/Howe/Port City, SCP or AFCO 5x5, or Wide 5 Pins. Stock housings can be ordered with small Ford, big Ford, or new style big Ford ends. Select used center sections, as well as new Heavy Duty or "Hot Rod" style center sections, may be specified. "Hot Rod" center section provides clearance for brackets or exhaust systems in vehicles with limited space. All housings have select used centers, new axle tubes installed and are jig-welded for straightness. To order please call and request a special order form, fill in all of the required information and return to us with a signature attached. Housings are non-returnable and offered on a special order basis only.

### GM Metric Chassis Trailing Arm Bracket Kits

Includes rear upper and lower control arm mounts. Upper mount must be cut to desired height depending upon where housing is located in the chassis.

**Part No. Description**  
 ALL60052.....Kit With Single Hole Lower In Stock Location

ALL60053.....Kit With Single Hole Lower, Lowered To Increase Traction

ALL60054.....Kit With Multi-Hole Lower



ALL60052

### Stock Trailing Arm Brackets



ALL60050

ALL60051

ALL60058

Stock brackets have three 1/2" mounting holes spaced 1-1/4" apart and may be welded to 3" axle tubes to provide three trailing arm mount locations. ALL60058 is made of 3/16" steel and welds to the top of the rear end housing, providing a point of attachment for upper trailing arms.

**Part No. Description**  
 ALL60050.....Lower Bracket  
 ALL60051.....Shock Bracket For Lower  
 ALL60058.....Upper Bracket

### Pinion Centering Jig ALL68370

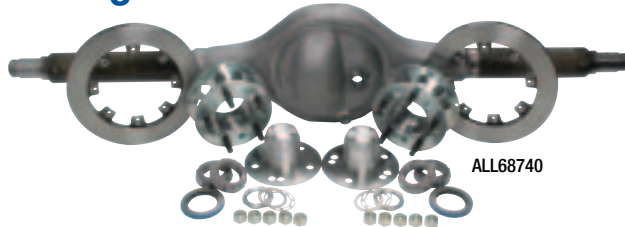
Pinion centering jig locates pinion centerline when building or narrowing a rear end housing. Fits Ford 9", 12-bolt Chevy, 8-3/4" Mopar, and Dana 60 rear ends.



Stanley Haddix Race Cars

Photo By: SRA

### Heavy Duty Ford 9" Floater Housing Assemblies



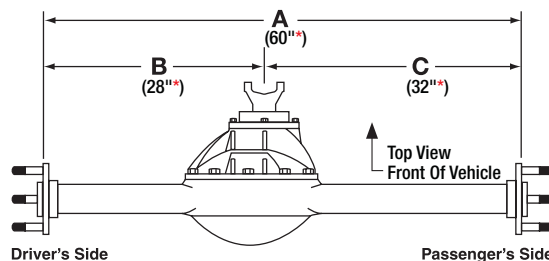
ALL68740

Heavy duty housings are jig welded for alignment and furnished with vent, fill and drain plugs. Assemblies include a select used center section, new axle tubes, steel or aluminum 8-bolt 5x5 hubs, Wilwood .810" or 1-1/4" rotors, bearing and seal kit, and rotor bolts. Custom housings are also available.

Housing Width/Offset	Bare Housing	Assembly With Steel Hub	Assembly With Aluminum Hub
60"/Centered	ALL68700	ALL68720	ALL68740
60"/2" Offset	ALL68702	ALL68722	ALL68742
61"/Centered	ALL68703	ALL68723	ALL68743
62"/Centered	ALL68704	ALL68724	ALL68744
62"/2" Offset	ALL68706	ALL68726	ALL68746
63"/Centered	ALL68707	ALL68727	ALL68747
63"/2" Offset	ALL68708	ALL68728	ALL68748
64"/Centered	ALL68709	ALL68729	ALL68749

**Note: Axles are now sold separately.**

## TECH TIP



### Housing Measuring Diagram

**Example:** Bare housing ALL68702 is 60" from hub face to hub face and the pinion is located 2" to the left of the housing centerline when viewed from rear of housing.\*

**Notes:** Please measure and inspect housing before welding brackets or painting. Housing is non-returnable if modified or custom. Welding suspension brackets on rear end housings can cause warping. Check for straightness after welding. These housings use Allstar ALL72100 inner grease seals.

\*Dimensions for example only.

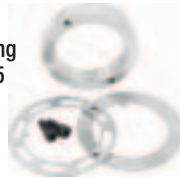


# rear end

## Spindle Nut Kits

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

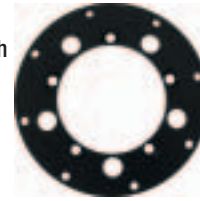
- | Part No.      | Description                        |
|---------------|------------------------------------|
| ALL44130..... | Steel Spindle Nut Kit              |
| ALL44131..... | Aluminum Spindle Nut Kit           |
| ALL44132..... | Replacement Locking Screws, 4-Pack |
| ALL10110..... | Spindle Nut Socket                 |



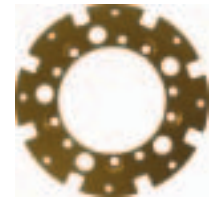
ALL44131

## Rotor Rings

Rotor rings work with Allstar hubs and allow rotor combinations to be changed without having to purchase a completely new hub assembly.



ALL68810



ALL68812



ALL68813

Detail

- | Part No.      | Description  |
|---------------|--|
| ALL68810..... | Aluminum 8-Bolt Ring (Most Common)                         |
| ALL68811..... | Steel 8-Bolt Ring (IMCA Legal)                             |
| ALL68812..... | Aluminum 8-Bolt Self Centering Ring (Must Use With T-Nuts) |
| ALL68813..... | T-Nut Kit 8-Bolt Ring (ALL68812)                           |

## 5x5 Hub Kits

Kits are available in aluminum or steel and are complete, less rotor ring. Rotor Ring is sold separately to allow changing of rotor combinations without having to purchase a complete new hub assembly.



ALL68764



ALL68766

- | Part No.      | Description    |
|---------------|----------------|
| ALL68764..... | Aluminum Front |
| ALL68765..... | Aluminum Rear  |
| ALL68766..... | Steel Front    |
| ALL68767..... | Steel Rear     |



ALL44130



ALL68776

### Replacement Components

- |               |  |
|---------------|--|
| ALL44116..... | Wheel Stud (5-Pack)  |
| ALL44130..... | Steel Spindle Nut  |
| ALL68768..... | Aluminum Hub Only, Front Or Rear, Includes Races <b>NEW!</b> |
| ALL68769..... | Steel Hub Only, Front Or Rear, Includes Races <b>NEW!</b>    |
| ALL72124..... | Seal   |
| ALL72200..... | Inner/Outer Bearing  |
| ALL72260..... | Inner/Outer Bearing Race                                     |

### Front Hub Replacement Components

- |               |                            |
|---------------|----------------------------|
| ALL68770..... | Dust Cover                 |
| ALL68771..... | Dust Cover Screws (3-Pack) |



ALL68771

### Rear Hub Replacement Components

- |               |                                   |
|---------------|-----------------------------------|
| ALL68775..... | Drive Flange                      |
| ALL68776..... | Drive Flange Bolts (2-Pack)       |
| ALL68777..... | Drive Flange Cover                |
| ALL68778..... | Drive Flange Cover Bolts (4-Pack) |
| ALL68779..... | Drive Flange Cover O-Ring         |

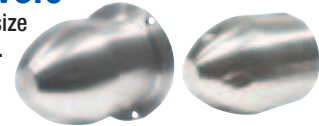


ALL68778

## Bullet Nose Hub Covers

Make quicker pit stops. Compact size eases air wrench access. Sold each.

- | Part No.      | Description    |
|---------------|----------------|
| ALL68790..... | Front          |
| ALL68791..... | Rear, Standard |



## Hub Bearing Kits

Kits contain inner bearing, outer bearing and seal.

- | Part No.      | Description                           |
|---------------|---------------------------------------|
| ALL72300..... | Wide 5 Kit, Wilwood, Sierra, Winters  |
| ALL72301..... | Wide 5 Kit, Howe (Contender Hub Only) |
| ALL72302..... | 5x5 Kit, Allstar, PCR, Howe           |
| ALL72303..... | 5x5 Kit, SCP Rear                     |



Bob VanSandt/Wayne Winans

## Standard And REM Finished Hub Bearings

Choose from our standard high quality, Timken brand or REM finished bearings to fit most popular applications. REM finished wide 5 bearings reduce friction and extend wear characteristics.

Description	Inner Bearing Part No.	Inner Race Part No.	Outer Bearing Part No.	Outer Race Part No.
<b>Standard</b>				
All Wide 5	ALL72215	ALL72230	ALL72245	ALL72255
Allstar, Howe, PCR 5x5	ALL72200	ALL72260	ALL72200	ALL72260
SCP 5x5 Rear, AFCO, Winters Rear 5x5	ALL72210	ALL72225	ALL72210	ALL72225
Ford Granada	ALL72270	-	ALL72274	-
GM Metric 1982-88, Monte Carlo, Etc.	ALL72275	-	ALL72274* or ALL72278**	-
<b>Timken</b>				
All Wide 5	ALL72217	-	ALL72247	-
Allstar, Howe, PCR 5x5	ALL72202	-	ALL72202	-
SCP 5x5 Rear, AFCO, Winters Rear 5x5	ALL72212	-	ALL72212	-
Ford Granada	ALL72280	-	ALL72281	-
GM Metric 1982-88, Monte Carlo, Etc.	ALL72282	-	ALL72281* or ALL72283**	-
<b>REM Finished</b>				
All Wide 5	ALL72216	ALL72231	ALL72246	ALL72256

\* Bearing has a .865" I.D.

\*\* Bearing has a .843" I.D.





# rear end

## Low Drag Hub Seal (O-Ring Style) ALL72122

Fits most wide 5 hubs, except Howe.



## Standard And Low Drag Hub Seals

Hub seals keep grease in the hub and on the wheel bearings. Available for 5x5 and Wide 5 hubs. Low drag seals, reduce drag for improved performance. ALL72121

Description	Standard Hub Seal Part No.	Low Drag Hub Seal Part No.
Stock Car Products 5x5 Hub (Front)	ALL72110	-
Stock Car Products 5x5 Hub (Rear)	ALL72114	-
Most Wide 5 Hubs (Except Howe)	ALL72120	ALL72121
Howe Wide 5 Hubs	ALL72124	ALL72125
Allstar And Howe 5x5 Hubs	ALL72124	ALL72125
Granada	ALL72126	-
GM Metric 1978-88 (Monte Carlo, Etc.)	ALL72128	-

## Wide 5 Timken Wheel Bearing And Seal Kit ALL72310

This wheel bearing and seal kit is designed to fit most Wide 5 hubs. The complete kit will update one hub and includes inner and outer wheel bearings, inner and outer racers and a low drag hub seal.



## Timken Wheel Bearing Grease

**Part No. Description**  
 ALL78240.....14 Oz. Cartridge Standard  
 ALL78241.....16 Oz. Tub Standard  
 ALL78242.....14 Oz. Cartridge High Temp. Synthetic



## 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 in 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.



## Birdcage Bearings

**Part No. Description**  
 ALL72330.....3.004"  
 ALL72332.....3.008"



## Weld-On Snouts

Weld-on snouts may be used for repairing existing axle tubes or custom building new tubes. Three hub styles are available.

**Part No. Description**  
 ALL68300.....Wide 5  
 ALL68302.....Howe, Allstar, PCR, 5x5, 2.0" Pin  
 ALL68304.....RH SCP, AFCO, Winters, 2.5" Pin  
 ALL68305.....LH SCP, AFCO, Winters, 2.5" Pin



## Ford 9" Truss Support ALL68330

Weld-on support adds strength to rear axle housing and reduces unwanted flex during extreme torque. Constructed of 12 gauge (.108") steel. 36" long x 2" wide.



## Ford 9" Axle Housing Seals

Internal seals prevent gear lube from leaking into axle tube to eliminate premature rear end failure. Seal housings are O-ring type with spring-loaded seals. For use with 3" O.D. axle tubes and most 31-spline axles. Measure I.D. of tube for proper fit.

**Part No. Description**  
 ALL72100\*.....2.625" O.D. Fits 3/16" Wall, 3" Tube, Red  
 ALL72102.....2.562" O.D. Fits 7/32" Wall, 3" Tube, Blue  
 ALL72104.....2.500" O.D. Fits 1/4" Wall, 3" Tube, Gold

**Replacement Components**  
 ALL72101.....O-Rings For ALL72100, 3-Pack  
 ALL72103.....O-Rings For ALL72102, 3-Pack  
 ALL72105.....O-Rings For ALL72104, 3-Pack  
 ALL72108.....Inner Seal

\* Use with Allstar steel and aluminum axle tubes.



## Universal Ford 9" Axle Housing Seal ALL72098

Internal seal keeps lube in the center section where it belongs to eliminate premature rear end failure. Bellows style seal fits most 3" O.D. axle tubes regardless of wall thickness. Internal seal diameter of .950" works with most 28- and 31-spline axles.



## Axle Tube Oil Seal ALL72140

Also called a spool seal, it fits Frankland, Winters, and other quick change rear ends. Seal is pressed into side bell or axle tube and seats against the bearing flange of the spool to prevent lube from leaking into axle tubes. Seal has a 1.85" I.D. and a 2.625" O.D.



Jimmy Mars



# rear end

## Steel Axle Tubes

Steel Axle Tubes have a 3" O.D., a 2.625" I.D. and may be shortened.



Part No.	Overall Tube Length	Tube Length To Inner Bearing	Axle Length
<b>Wide 5</b>			
ALL68216	25"	19.5"	31"
ALL68218	26"	20.5"	32"
ALL68220	27"	21.5"	33"
ALL68222	28"	22.5"	34"
ALL68224	29"	23.5"	35"
ALL68226	30"	24.5"	36"
ALL68228	31"	25.5"	37"
ALL68230	32"	26.5"	38"
ALL68231	32.5"	27"	38.5"
ALL68232	33"	27.5"	39"
ALL68234	34"	28.5"	40"
<b>5x5, 2.5" Pin, SCP, Winters, AFCO</b>			
ALL68240	22"	19.5"	28.5"
ALL68244	24"	21.5"	30.5"
ALL68246	25"	22.5"	31.5"
ALL68248	26"	23.5"	32.5"
ALL68252	28"	25.5"	34.5"
ALL68256	30"	27.5"	36.5"
ALL68258	31"	28.5"	37.5"
ALL68260	32"	29.5"	38.5"
<b>5x5, 2.0" Pin, Allstar, Howe, Port City</b>			
ALL68264	24"	20.5"	30"
ALL68266	25"	21.5"	31"
ALL68268	26"	22.5"	32"
ALL68270	27"	23.5"	33"
ALL68272	28"	24.5"	34"
ALL68274	29"	25.5"	35"
ALL68276	30"	26.5"	36.5"
ALL68278	31"	27.75"	37.5"
ALL68280	32"	28.75"	38.5"

## Aluminum Axle Tubes

Aluminum Axle Tubes have a 3" O.D., a 2.500" I.D., and are machined for spool seal ALL72140.



Part No.	Overall Tube Length	Tube Length To Inner Bearing	Axle Length
<b>Wide 5</b>			
ALL68200	25"	19.5"	31"
ALL68202	26"	20.5"	32"
ALL68203	26.625"	21.125"	32.5"
ALL68204	27"	21.5"	33"
ALL68206	28"	22.5"	34"
ALL68208	29"	23.5"	35"
ALL68210	30"	24.5"	36"
ALL68212	32"	26.5"	38"
ALL68213	35"	29.5"	41"

## Axles



Allstar Axles fit most quick change and Ford 9" rears. Available in solid 28- or 31-spline or lightweight, gun-drilled 31-spline styles. Use with 24-spline drive flanges.

Length	28-Spline Solid	31-Spline Gun-Drilled	31-Spline Solid
26.5"	ALL67266	ALL66265	ALL66266
27"	ALL67271	ALL66270	ALL66271
27.5"	ALL67276	ALL66275	ALL66276
28"	ALL67281	ALL66280	ALL66281
28.5"	ALL67286	ALL66285	ALL66286
29"	ALL67291	ALL66290	ALL66291
29.5"	ALL67296	ALL66295	ALL66296
30"	ALL67301	ALL66300	ALL66301
30.5"	ALL67306	ALL66305	ALL66306
31"	ALL67311	ALL66310	ALL66311
31.5"	ALL67316	ALL66315	ALL66316
32"	ALL67321	ALL66320	ALL66321
32.5"	ALL67326	ALL66325	ALL66326
33"	ALL67331	ALL66330	ALL66331
33.5"	ALL67336	ALL66335	ALL66336
34"	ALL67341	ALL66340	ALL66341
34.5"	ALL67346	ALL66345	ALL66346
35"	ALL67351	ALL66350	ALL66351
35.5"	ALL67356	ALL66355	ALL66356
36"	ALL67361	ALL66360	ALL66361
36.5"	ALL67366	ALL66365	ALL66366
37"	ALL67371	ALL66370	ALL66371
37.5"	ALL67376	ALL66375	ALL66376
38"	ALL67381	ALL66380	ALL66381
38.5"	ALL67386	ALL66385	ALL66386
39"	ALL67391	ALL66390	ALL66391
39.5"	ALL67396	ALL66395	ALL66396
40"	ALL67401	ALL66400	ALL66401

## Aluminum Axle Plug

### ALL66100

Axle plug threads into the end of a gun-drilled Allstar, Ford 9", or quick change axle to keep rear end lube out of the axles. 3/8"-24 internal thread for correct axle spacing.



## Axle Spline Tool

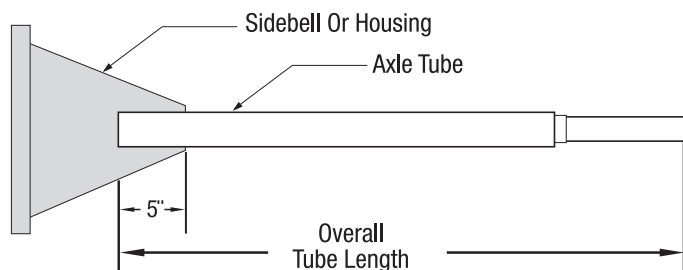
Tool clamps in a vise to hold 31-spline axles for maintenance or installation of axle plugs. Assures perfect spline alignment when installing lock-up plugs used with Gold-Trac differentials.



## TECH TIP

### How To Measure Axle Tube Length

Axle tube should extend 5" into side bell or aluminum housing.





## Rapid Install *NEW!* Quick Change Gear Covers

The ultimate quick change gear cover! Speed up gear changes and never again waste time due to cover nuts. Unique design holds nuts directly on the 6061-T6 billet aluminum cover. Sold complete with gear cover nuts,

Part No.	Description
ALL72064	Frankland And Winters, Standard Bearing
ALL72065	Frankland And Winters, Large Bearing
ALL72066	DMI Bulldog
ALL72068	Replacement Nuts, 2-Pack
ALL72069	Replacement Nut Retainers And Bolts, 2-Pack



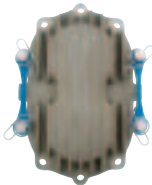
## Quick Change Cover Lock Kit ALL72062

Securely locks cover in place for quick removal and re-installation. Unique clip releases with a quick pull and eliminates safety wire. Aluminum nuts have 3/8"-16 threads. Kit includes two machined aluminum plates, four steel clips and four aluminum nuts with snap rings. Cover not included.



### Replacement Components

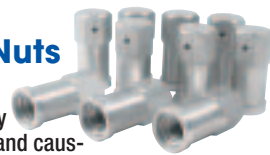
Part No.	Description
ALL99118	Cover Nuts With Snap Rings, 10-Pack
ALL99119	Snap Rings, 10-Pack
ALL99120	Clips, Two-Pack
ALL99138	Replacement Lock Plates For ALL72062, Pair



## rear end

## Quick Change Cover Nuts ALL72060

Aluminum nuts are pre-drilled for safety wire to prevent nuts from working loose and causing leaks. Nuts have 3/8"-16 threads. Package of ten.



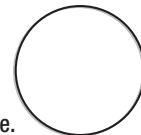
## Quick Change Cover Gaskets

Part No.	Description
ALL72050	Paper
ALL72051	Thin With Steel Core
ALL72052	Thick With Steel Core



## Quick Change Side Bell O-Ring ALL72054

Replacement O-ring for Winters quick change.



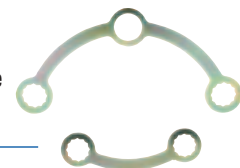
## Drive Flange Gaskets

Part No.	Description
ALL72074	For 8-Bolt Flange, 2-Pack
ALL72075	For 5-Bolt Flange, 2-Pack



## 5-Bolt Drive Flange Lock Plate Set ALL72070

Lock plates help prevent drive flange bolts from loosening. Set includes one 2-bolt plate and one 3-bolt plate.



## Ring And Pinion Gear Sets

Quality differential components are suitable for race or street use. Lapped in matched sets for quiet operation.

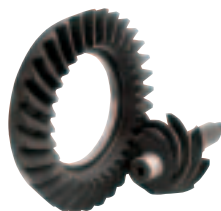
### GM 7.5"

Sets fit 10-bolt with 7.5" ring gear, 1.438" dia. pinion stem and 27-spline pinion.

Part No.	Ratio
ALL70110*	3.23
ALL70112*	3.42
ALL70113**	3.42
ALL70114*	3.73
ALL70115**	3.73
ALL70116*	4.10
ALL70117**	4.10
ALL70118*	4.56

\* Set fits 3.23 and numerically higher ratio carriers

\*\* Set fits 3.08 and numerically lower ratio carriers



### Ford 9"

Sets fit 10-bolt with 9" ring gear, 1.313" dia. pinion stem and 28-spline pinion.

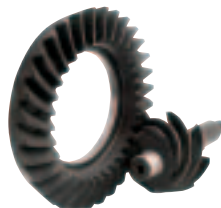
Part No.	Ratio
ALL70010	3.50
ALL70012	3.70
ALL70014	3.89
ALL70016	4.11
ALL70018	4.30
ALL70020	4.56
ALL70022	4.71
ALL70024	4.86
ALL70026	5.00
ALL70028	5.14
ALL70030	5.29
ALL70032	5.43
ALL70034	5.67
ALL70036	5.83
ALL70038	6.00
ALL70040	6.20
ALL70042	6.33
ALL70044	6.50



### GM 8.5"

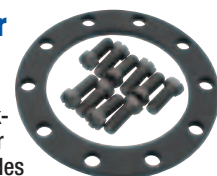
Sets fit 10-bolt with 8.5" ring gear, 1.625" dia. pinion stem and 30-spline pinion.

Part No.	Ratio
ALL70120	3.08
ALL70122	3.42
ALL70124	3.73
ALL70126	4.11
ALL70128	4.56



## GM 7.5" Ring Gear Spacer ALL70100

Spacer allows installation of 3.23 and numerically higher ratio gear sets with standard thickness ring gears into 3.08 and numerically lower carriers. Steel spacer is .3125" thick and includes ten 7/16"-20 x 1-1/4" UHL LH bolts.



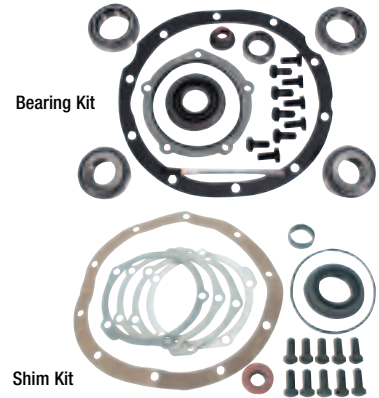


## rear end

### Ring And Pinion Installation Kits

Allstar Ring and Pinion Installation Kits are available with or without bearings. Kits contain all the hard-to-find individual parts for a quick, trouble-free installation.

Bearing Kits Include	Shim Kits Include
Pinion And Side (Carrier) Bearings	Pinion Seal
Pinion Seal	Pinion Depth Shims
Pinion Depth Shims	Adjustable Side (Carrier) Shims
Adjustable Side (Carrier) Shims	Crush Sleeve (Spacer)
Crush Sleeve (Spacer)	Pinion Nut
Pinion Nut	One Ounce Tube Of Silicone Or Gasket
One Ounce Tube Of Silicone Or Gasket	Gear Marking Compound
Gear Marking Compound	Ring Gear Bolts
Ring Gear Bolts	



Bearing Kit	Shim Kit	Application
<b>General Motors</b>		
ALL68515	ALL68615	GM Pass And Mini Trucks S-10 And Mini Blazer With 7-1/2" Ring, 1982-1998
-	ALL68616	GM Pass, 1977-81 With 7-1/2" Ring, Exc. Monza
ALL68518	ALL68618	Chevy And GMC 12-Bolt Truck And Blazer 8-7/8" Dia. Ring, 1964-72
ALL68519	ALL68619	Chevy 12-Bolt Hi-Perf. Passenger Axle, 8-7/8" Ring, 12-Bolt
ALL68521	ALL68621	GM Pass. And Light Truck, Rear Axle, 8.50" 10-Bolt Carrier With 10-Bolt Cover, 30-Spline Pinion 1971-84
-	ALL68622	Chevy Pass. And G-10 Van, 10-Bolt 8.20" Dia. Ring, 30-Spline Pinion 1964-72 Partial
<b>Chrysler</b>		
ALL68531	ALL68631	Chrysler Corp., 8-3/4" "Pig" type, 1-7/8" Dia. Tapered Pinion, 489 Casting (Lg. #9 On Left Side of Casting) 1969-73
ALL68537	ALL68637	Chrysler Corp., 8-3/4" "Pig" Type, 1-3/4" Dia. Pinion Straight Stem, 742 Casting (Lg. #2 on Left Side of Casting) '57-68
<b>Ford Motor Co.</b>		
ALL68509	-	Ford 9" 3.062" Bearing, Complete Kit With Solid Spacer
ALL68510	ALL68610	Ford 9" 2.893" Bearing, Complete Kit With Solid Spacer
ALL68511	ALL68611	Ford 9", 2.893, 28-Spline Axle. Bearing Kit Includes LM102910 And LM102949
ALL68512	ALL68611	Ford 9", 3.062, 31-Spline Axle. Bearing Kit Includes LM603011 And LM603049
ALL68513	ALL68613	8.8" Ford, Salisbury Type With 10-Bolt Cover, Mustang 1985-98, Lt. Truck And Bronco 1981-98
ALL68538	ALL68611	Ford 9" With 3.062" Carrier Bearing, Crush Sleeve, Daytona Pinion, Std. And Pro Gear With 28-Spline Pinion
ALL68539	-	Ford 9" With 3.062" Carrier Bearing, Solid Spacer, Daytona Pinion, Std. And Pro Gear With 28-Spline Pinion
ALL68540	-	Ford 9" With 3.250" Carrier Bearing, No Crush Sleeve Or Spacer, Mark Williams Or Strange Pinion Support, Standard And Pro Gear With 28-Spline Pin.
ALL68541	-	Ford 9" With 3.250" Carrier Bearing, No Crush Sleeve Or Spacer, Mark Williams Or Strange Pinion Support, Standard And Pro Gear With 35-Spline Pin.
ALL68542	ALL68611	Ford 9" With 3.250" Carrier Bearing, Crush Sleeve, Daytona Pinion Support, Std. And Pro Gear With 28-Spline Pinion
ALL68543	-	Ford 9" With 3.250" Carrier Bearing, Solid Spacer, Daytona Pinion Support, Std. And Pro Gear With 28-Spline Pinion
-	ALL68639	8" Ford Type, All

### Spools

Replace a troublesome positive traction unit with a high quality Allstar spool. Substantially lighter than conventional carriers, spools deliver equal power to both rear wheels. Ultra-lite steel spools have more lightening holes and a narrower ring gear flange than standard units.

#### Part No. Description

#### Ford 9" Steel Spools

- ALL68060.....28-Spline, 8.6 Lbs.
- ALL68062.....28-Spline, Ultra-Lite, 6.3 Lbs.
- ALL68063.....28-Spline, Ultra-Lite Scalloped, 6.0 Lbs.
- ALL68064.....31-Spline, 8.4 Lbs.
- ALL68066.....31-Spline, Ultra-Lite, 6.1 Lbs.

#### Aluminum Spools

- ALL68111.....Ford 9", 31-Spline Axles, 3.7 Lbs.
- ALL68114.....Q/C For Winters, 31-Spline, 2.030" Bearings
- ALL68115.....Q/C For Franklin, Tiger And Richmond, 31-Spline, 2" Bearings



ALL68063



ALL68115

### Mini Spools

Mini spools are precisely machined for proper fit, and then heat treated. Cross pins must be ordered separately. Available in the following styles:

- 1957-87 Ford 9" Rear Ends With 3/4" Cross Pin And Either with 28- Or 31-Spline Axles
- 1981-94 Ford 8.8" Rear Ends With 28-Spline Axles
- 1970-76 GM 10-Bolt With 8.5" Dia. Ring Gear, 28-Spline Axles And Non-Positive Traction Case
- 1964-72 GM 10-Bolt With 8.2" Dia. Ring Gear, 28-Spline Axles And Non-Positive Traction Case
- 1965-76 GM 12-Bolt With 8.875" Dia. Ring Gear, 30-Spline Axles And Non-Positive Traction Case
- 1976-88 GM 7.5" With 7.5" Or 7.625" Ring Gear, 26-Spline Axles And Non-Positive Traction Case

#### Part No. Description

- ALL68121.....Ford 9", (Lightweight) 28-Spline
- ALL68122.....Ford 9", (Lightweight) 31-Spline
- ALL68160.....GM 10-Bolt (8.5" Ring Gear), 28-Spline
- ALL68162.....GM 10-Bolt (8.2" Ring Gear), 28-Spline
- ALL68164.....GM 12-Bolt (8.875" Ring Gear), 30-Spline
- ALL68166.....GM 7.5" (Ring Gear), 26-Spline
- ALL68168.....Ford 8.8", 28-Spline



ALL68122



ALL68164



## rear end

### Cross Pins

Part No.	Description
ALL68120	Ford 8.8" And 9" Mini Spools (3/4")
ALL68161	GM 10-Bolt (8.5" Ring Gear) Mini Spools
ALL68163	GM 10-Bolt (8.2" Ring Gear) Mini Spools
ALL68165	GM 12-Bolt (8.875" Ring Gear) Mini Spools
ALL68167	GM 7.5" (Ring Gear) Mini Spool



### GM Axle C-Clips

Replacement C-clips for popular GM axles.

Part No.	Description
ALL66120	7.5", 2-Pack
ALL66121	8.5", 2-Pack
ALL66122	7.5" Genuine GM Part, Each
ALL66123	8.5" Genuine GM Part, Each



### Ford 9" Pinion Yokes

Forged steel or billet aluminum Allstar Pinion Yokes are available for Ford 9".

Part No.	Description
ALL68380	28-Spline Steel Pinion Yoke, Use With 1350 (3-5/8") U-Joint
ALL68382	35-Spline Steel Pinion Yoke, Use With 1350 (3-5/8") U-Joint
ALL68384	28-Spline Aluminum Pinion Yoke, Use With 1310 (3-1/4") U-Joint



### Ford 9" Pinion Supports

Allstar Ford 9" supports replace original equipment style cast iron supports. Pro support is for 35-spline pinion, Pro Gear-equipped differentials. Standard "Daytona" support is for 28-spline pinion gears. All are furnished with races installed. Each available in billet or forged aluminum.



Part No.	Description
ALL68390	Pro, 35-Spline, Billet
ALL68391	35-Spline Forged
ALL68395	Daytona, 28-Spline, Billet
ALL68396	Daytona, 28-Spline, Forged

### Pinion Seals

Replace leaking or damaged seals in most popular differentials.

Part No.	Description
ALL72145	Quick Change 5/16" Wide
ALL72144	Quick Change 1/2" Wide
ALL72143	Quick Change 3/4" Wide
ALL72146	Ford 9" Standard, 28-Spline, 3" O.D.
ALL72147	7.5", GM
ALL72148	8.5", GM



### Ford 9" Gaskets

Part No.	Description
ALL72044	Paper
ALL72045	Thin With Steel Core
ALL72046	Thick With Steel Core



### Pinion Nuts

Replace original worn or damaged nuts each time a gear set is changed. Nut secures driveshaft yoke to pinion gear.

Part No.	Description
ALL72155	Ford 8.8" And Standard 9"
ALL72156	GM 7.5 And 8.5



**A** Pinion Yoke Wrench is helpful when tightening the pinion nut or setting pinion bearing pre-load. Please see page 20 for listing.

### Ford 9" Housing Studs ALL72040

Studs secure the center section to the housing and are installed by pulling through with a nut for a press fit. 3/8"-24 threads. Package of ten.



### Ford 9" Backing Plate T-Bolts ALL72042

Unique 3/8"-24 x 1-1/4" T-head bolts are required to mount backing plates and brackets to late model Torino 9" housing ends. Pack of eight.



### Remote Fill Tanks ALL36110

Aluminum fill tank has a -10AN outlet and recessed mounting flange to flush-mount on rear deck.



### ALL36111

Designed for filling rear end, tank has a -10AN outlet and recessed mounting flange. Also has 3/8" NPT bung to accept a breather.

### Mini Breather Tanks

Small capacity, spun aluminum tank will vent dry sump tank, transmission or rear end. Tank includes 1/4" NPT on bottom and a clamp style bracket for mounting to chassis tubing.

Part No.	Description
ALL36140	Tank For 1-1/2" Tubing
ALL36141	Tank For 1-3/4" Tubing



### Clamp-On Breathers

Breathers are easily mounted to either 1-1/2" or 1-3/4" tubing. Breathers are 1" tall and 1-3/8" in diameter. Great for use on transmissions, differentials, etc. Bottom fitting is 1/4" NPT. Black anodized finish.

Part No.	Description
ALL36106	Breather For 1-1/2" Tubing
ALL36107	Breather For 1-3/4" Tubing
ALL36103	Replacement Filter Only



Billy Moyer

Photo By: Bob Applegat



## rear end

### Gear Tote Box

Durable plastic quick change gear tote box organizes extra gear sets and keeps them clean. Lid snaps shut to hold gears in place. 8" L. x 5" W. x 2" H.



Description	Each Part No.	10-Pack Part No.
Clear Gear Tote	ALL14164	-
Black Gear Tote	ALL14351	ALL14351-10
Yellow Gear Tote, 6-Spline (Midget)	ALL14352	ALL14352-10

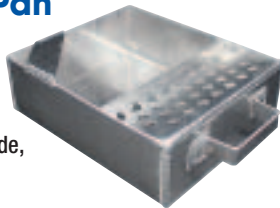
### Ford 9" Aluminum Gear Tote ALL14168

Keep Ford 9" third member neat and clean. Built-in handles ease carrying.



### Quick Change Drain Pan ALL14166

Aluminum drain pan is handy when changing quick-change gears. Built-in perforated shelf holds gears and allows lube to drain into pan. Pan is 10-1/4" wide, 12" long and 3-3/4" deep.



### Drain Pan ALL14171

Drain pan with built-in pump holds and refills fluids when changing rear end gears. Molded plastic basin and lid slide together to prevent spilling of fluid. A crank handle is included for hand operation along with a length of straight hex shaft for use with an electric drill. 16" square x 7" tall. 14 quart capacity.



### Drain Pan ALL40112

Round drain pan has molded in handles and pour spout. Made from chemical and solvent resistant plastic. 13-1/2" x 11" x 4", 7 quart capacity.



### Ford 9" Set Up Carrier ALL14169

Set up carrier takes the place of the gear set on Ford 9" rear end housings and will keep dirt and debris out of the housing. A pinion bracket can be attached to the cover so the J-bar or Panhard bar can be mounted for car transportation. The tip of the handle matches the centerline of the driveshaft U-joint so driveshaft length can be easily measured. Gloss red powder coated finish.



### Steel Driveshafts



Balanced 2-1/2" lightweight D.O.M. steel driveshafts feature heavy duty U-joints with grease fittings, and TH-350 or Powerglide slip yoke. Shafts are painted white and available in 30.5" and 31.5" lengths. Uses 1310 (3-1/4") U-joint. Yoke measures 5.50" from U-Joint centerline to end, with 3.50" of slip length.

Part No.	Description
ALL69020	30.5" Steel Driveshaft
ALL69022	31.5" Steel Driveshaft
ALL69015	U-Bolt Kit For ALL69020 And ALL69022 Yoke (Pair)
ALL69030	1310 U-Joint

### U-Bolt Kits

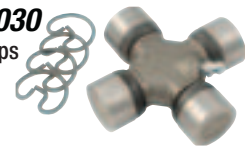
U-bolt kits for 1310 or 1350 series U-joints secure driveshaft to pinion yoke. Sold in pairs with nuts and lock washers.

Part No.	Description
ALL69015	3-1/4", 1310 Series, 1-1/16" Caps
ALL69016	3-5/8", 1350 Series, 1-3/16" Caps



### 1310 Series U-Joint ALL69030

U-joint with grease fitting and retaining clips fits Allstar steel driveshafts. Joint measures 3-1/4" across and has 1-1/16" caps.



### Tailshaft Seal And Bushing

The tailshaft bushing is a regular wear item, located inside the transmission tailshaft housing. It should be replaced when replacing the tailshaft seal or when a driveshaft failure has occurred. A worn bushing will cause excessive side-to-side movement of the slip yoke and create a vibration or leak. Replacement bushing and seal fits GM Powerglide, Turbo 350, Saginaw, Muncie, Bert and Brinn transmissions.

Part No.	Description
ALL72150	Seal
ALL72152	Seal With Bushing



### Driveshaft Loop ALL69000

Universal driveshaft loop contains the driveshaft if a yoke or U-joint fails. Loop is 1/4" thick x 2" wide mild steel and fully adjustable to fit most cars.



### Unwelded Driveshaft Loop ALL69004

Made from 3/16" flat steel, loop is 9-1/2" tall, 5-1/2" wide with a 16" wide mounting strap that can be cut and welded for each installation.



### 180° Driveshaft Loop ALL69002

Sturdy 1" dia., .120" wall loop is engineered for chassis type cars.

