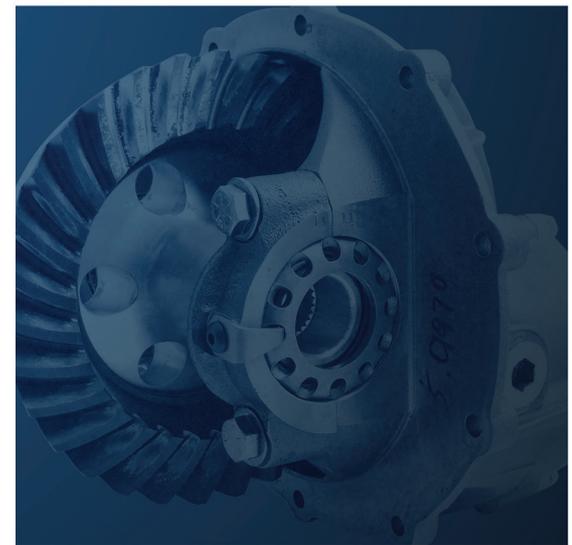




***MAVERICK PERFORMANCE, INC.***  
*A Division of Winters Performance Products, Inc.*  
*Nine Inch Parts & Accessories Catalog #MP1, Volume 3*

***SINCH***





**HOURS** 8:30 - 5:30 EST Monday - Friday  
**ADDRESS** 1580 Trolley Road York, PA 17408 USA  
**PHONE** 717-764-8269  
**FAX** 717-764-8017  
**WEB** [www.maverickperformance.com](http://www.maverickperformance.com)

The products shown in this catalog are manufactured by or for Maverick Performance, not Ford® Motor Company. These products are intended to be compatible with Ford® or other manufacturer's products. Maverick offers a wide array of options that enable you to customize your rear end to best suit your needs. Throughout this catalog you will see option numbers listed at photographs. These are intended to be used as reference only. Option numbers apply to assemblies only. Individual parts must be ordered by part number, not option number. At Maverick Performance, our mission is to offer unsurpassed quality control and customer service. We also realize it is all for naught if the product is not on the shelf. We want to be the company you like doing business with.

### ORDER POLICY

- Know your customer number.
- Order by part number. Maverick will not be responsible for incorrect orders placed by description only.
  - Specify shipping instructions - otherwise use our discretion.
- Refused orders will have a \$25.00 handling charge and applicable freight charges billed to the customers account.
  - Special orders can not be cancelled after the order is in process.

### RETURN POLICY

**IMPORTANT:** All returns must include a Return Authorization Number (RA#). The issuance of an RA# does not constitute a guarantee of credit or replacement. Credit, refund or replacement will only be issued after an inspection and determination at our discretion. No returns are accepted on special order, obsolete, damaged, used or altered merchandise.

#### ALL RETURNED MERCHANDISE MUST INCLUDE:

- RA# clearly written on outside of box as well as:
  - Customer number, name and phone number
  - Copy of invoice
  - Written explanation for cause of return
  - Whether return is for replacement, credit or refund
- Returned merchandise is subject to the following restocking fees (except sellers error):
  - 1-90 days = 15%
  - 91 days - 6 months = 25%
- Returns must be freight pre-paid (except sellers error).
- Returned parts must be packaged properly to avoid damage.
- Shipping damages must be reported immediately to your carrier.
  - Shortage claims must be reported immediately.
    - Save your cartons.

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# 5 ON 5 2 1/2" Spindles



## AFFORDABILITY

Remember..... racing is supposed to be fun and affordable! We are doing our part by assembling this complete package and laying out all the options so its easy on you and your wallet! Our basic 5 on 5 assembly starts with our steel 9" housing, with 2 1/2" grand national spindles installed to your specs\*. We provide you with two of our popular 5 on 5 hub kits with rotors (see page 58). A pair of axles completes the package. Options (see page 3) include several different styles of side tubes.

*\*Standard widths are 60" or 62" hub flange to hub flange, with the pinion centered or 2" positive offset. All else considered custom.*

# ASSEMBLY P/N 95345-5X5

Specify Track Width & Offset

3

## ASSEMBLY INCLUDES

- (1) **Housing with Tubes Installed**  
**P/N 95345S**

---

- (2) **Hub Kits, 5 on 5**  
**P/N 92255C**

---

- (2) **Rotors (Specify)**  
**P/N 92394GM<sup>†</sup>**

---

- (2) **Axles (Specify Length)**  
**P/N 95067**

---

- (2) **Spindle Seals**  
**P/N 97271**



**5 on 4 3/4" Bolt Pattern**  
**ASSEMBLY P/N 95345-54750**



Use **Winters Semi-Synthetic Hypoid Lube with Moly 80-90-140 P/N 91730**  
or Mobil 1<sup>®</sup> 70-90

<sup>†</sup>See page 45 for available rotors

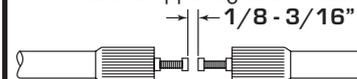
### TUBE OPTIONS See pg. 18

Suspension Brackets Installed	98289	Thin Flanged 8 Bolt Tube, Steel	98190*
Turned Down Side Tubes	98131	Gundrilled Axles	98228
.156 Wall Thickness	98265-156	Custom Width or Offset	98109
Camber (See pages 18, 60-61)	98181R	Tube Seal	98201
Camber (See pages 18, 60-61)	98181L		

\*Spindles not included. See page 18.

### Spreader Bolt Kit P/N 94607

**Installation Instructions:** Axles are to be positioned by means of spreader bolts as shown below. Use grade 8 (minimum) bolt with jam nut. Install into opposing ends of axles and adjust for 1/8 - 3/16" total clearance with both axle retaining plates installed. Torque jam nuts to 30 ft lbs.



**5 ON 5 2 1/2" Spindles**

# 5 ON 5 2 7/8" Spindles



## REVOLUTIONARY

We're taking 5 on 5 technology to the next level by incorporating into our investment cast steel hubs 2 7/8" I.D. inner and outer hub bearings for greater stability, strength and less rolling resistance. This evolution allows us to invert the drive flange, so you can use axles that are 2 1/2" shorter in total length. Further improvements include one piece side tubes = Lighter and Stronger! Also, check out the included "hub to spindle" lock kit.

*\*Standard widths are 60" or 62" hub flange to hub flange, with the pinion centered or 2" positive offset. All else considered custom.*

# ASSEMBLY P/N 95345-2875

Specify Track Width & Offset

5

## ASSEMBLY INCLUDES

- (1) Housing with Tubes Installed  
**P/N 95345S**

---

- (2) Hub Kits, 5 on 5  
**P/N 93935C**

---

- (2) Rotors (Specify)  
**P/N 92394GM+**

---

- (2) Axles (Specify Length)  
**P/N 95067**

---

- (2) Tube Seals  
**P/N 97266**



†See page 58 for available rotors



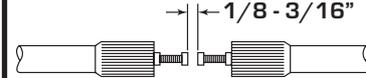
Use Winters Semi-Synthetic Hypoid Lube  
with Moly 80-90-140 **P/N 91730**  
or Mobil 1® 70-90

### TUBE OPTIONS See pg. 23

Gundrilled Axles	98228
Custom Width or Offset	98109

### Spreader Bolt Kit **P/N 94607**

**Installation Instructions:** Axles are to be positioned by means of spreader bolts as shown below. Use grade 8 (minimum) bolt with jam nut. Install into opposing ends of axles and adjust for 1/8 - 3/16"



total clearance with both axle retaining plates installed.  
Torque jam nuts to 30 ft lbs.

5 ON 5 2 7/8" Spindles



## LIGHTWEIGHT

For a lightweight assembly choose our 2" Grand National rear with aluminum 5 on 5 hubs. We provide our steel 9" housing with steel side tubes\* and 2" grand national spindles, and package it with solid double splined axles and aluminum hub kits. You can lose some more rotating weight with gundrilled axles and lightweight hub kits, both at an additional charge. See options listed at right.

*\*Standard widths are 60" or 62" hub flange to hub flange, with the pinion centered or 2" positive offset. All else considered custom.*

# ASSEMBLY P/N 95590-5X5

Specify Track Width & Offset

7

## ASSEMBLY INCLUDES

(1) Housing with Tubes Installed  
**P/N 95590S**

(2) Hub Kits, 2" GN Aluminum  
**P/N 93432**

(2) Axles (Specify Length)  
**P/N 95067**



†See page 58 for available rotors



Use Winters Semi-Synthetic Hypoid Lube with Moly 80-90-140 **P/N 91730** or Mobil 1® 70-90

### Spreader Bolt Kit **P/N 94607**

Installation Instructions: Axles are to be positioned by means of spreader bolts as shown below. Use grade 8 (minimum) bolt with jam nut. Install into opposing ends of axles and adjust for 1/8 - 3/16" total clearance with both axle retaining plates installed.

Torque jam nuts to 30 ft lbs.



### TUBE OPTIONS See pg. 19

Turned Down Side Tubes	98131	Thin Flanged 8 Bolt Tube, Aluminum	98190A*†
1 Piece Aluminum Tube	98140†	Gundrilled Axles	98228
Camber (See pages 11 & 49-51)	98181R	Custom Width or Offset	98109
Camber (See pages 11 & 49-51)	98181L	Tube Seal	98201
Thin Flanged 8 Bolt Tube, Steel	98190*		

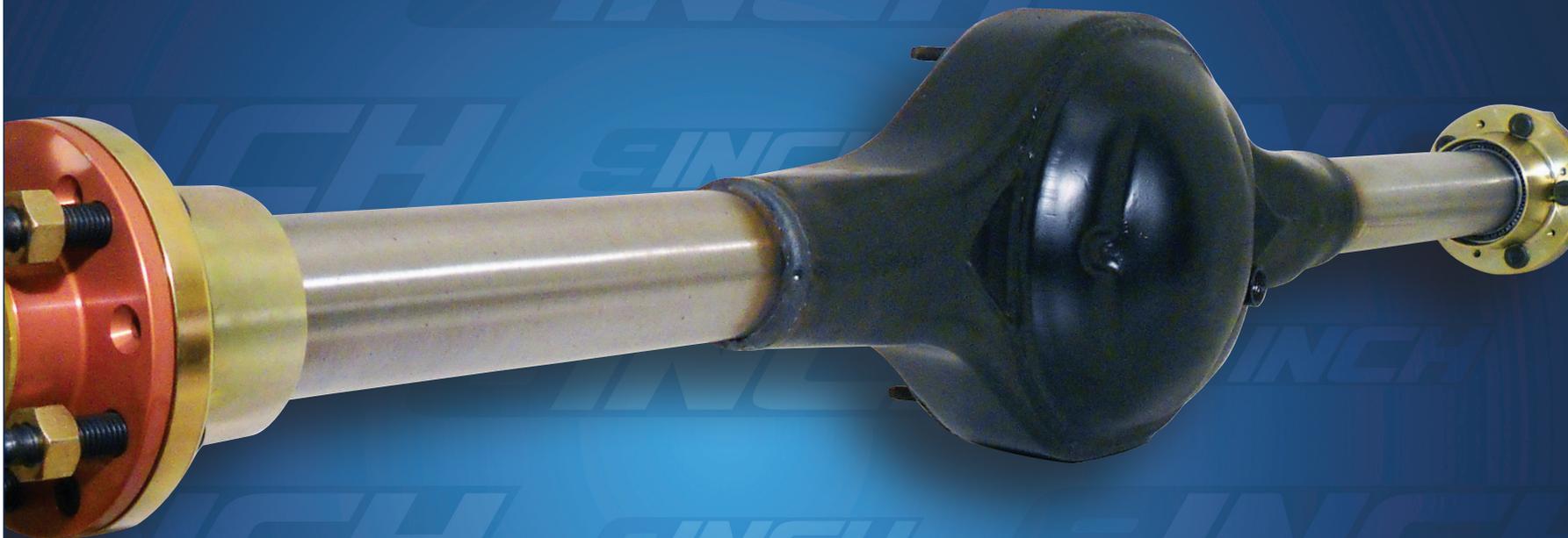
\*Spindles not included. See page 11. †Fits Alum. & Mag Housing Only

### HOUSING OPTIONS See pgs. 26-27

Aluminum Housing	Add Suffix A
Magnesium Housing	Add Suffix K

2" GN

# 2 1/2" GN



## DURABILITY

Our traditional 2 1/2" Grand National assembly is also our most durable. You get our steel 9" housing complete with steel side tubes\*, solid double splined axles and steel hub kits. This rear will help you complete even the most grueling run for the championship. A nice list of options let you customize this assembly to your needs.

*\*Standard widths are 60" or 62" hub flange to hub flange, with the pinion centered or 2" positive offset. All else considered custom.*

# ASSEMBLY P/N 95345-GN

Specify Track Width & Offset

9

## ASSEMBLY INCLUDES

- (1) **Housing with Tubes Installed**  
**P/N 95345S**

---

- (2) **Hub Kits, 2 1/2" GN Steel**  
**P/N 95048**

---

- (2) **Axles (Specify Length)**  
**P/N 95067**

---

- (2) **Spindle Seals**  
**P/N 97271**

†See page 58 for available rotors

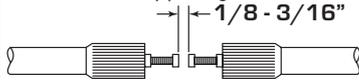


Use **Winters Semi-Synthetic Hypoid Lube with Moly 80-90-140 P/N 91730** or Mobil 1® 70-90



### Spreader Bolt Kit P/N 94607

Installation Instructions: Axles are to be positioned by means of spreader bolts as shown below. Use grade 8 (minimum) bolt with jam nut. Install into opposing ends of axles and adjust for 1/8 - 3/16"



total clearance with both axle retaining plates installed.

Torque jam nuts to 30 ft lbs.

### TUBE OPTIONS See pg. 18

Turned Down Side Tubes	98131	Thin Flanged 8 Bolt Tube, Aluminum	98190A*†
1 Piece Aluminum Tube	98140†	Gundrilled Axles	98228
Camber (See pages 11 & 49-51)	98181R	Custom Width or Offset	98109
Camber (See pages 11 & 49-51)	98181L	Tube Seal	98201
Thin Flanged 8 Bolt Tube, Steel	98190*		

\*Spindles not included. See page 18. †Fits Alum. & Mag Housing Only

### HOUSING OPTIONS See pgs. 26-27

Aluminum Housing	Add Suffix A
Magnesium Housing	Add Suffix K

2 1/2" GN



## CUSTOMIZED

This is the ever popular Wide 5 version of our 9" rear, but wait until you see our options list! Talk about have it your way! Our most popular, basic Wide 5 assembly has our steel 9" housing mated to a pair of steel Wide 5 tubes, set to your width and offset\*. To complete the assembly, we include our permanent mold aluminum Wide 5 hubs, .810 rotors, bearings, seals, spindle lock kits and a pair of axles. The list of options is too long for here. Look right and refer to the rest of the catalog for all that you need.

*\*Standard widths are 60" or 62" hub flange to hub flange, with the pinion centered or 2" positive offset. All else considered custom.*

# ASSEMBLY P/N 95530-W5

Specify Track Width & Offset

## ASSEMBLY INCLUDES

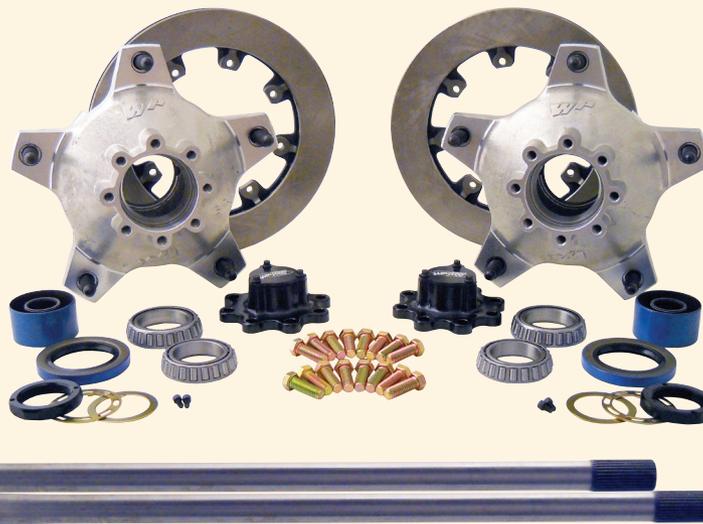
(1) Housing with Tubes Installed  
**P/N 95530S**

(2) Hub Kits, Wide 5  
**P/N 93754**

(2) Rotors (Specify)  
**P/N 92394†**

(2) Axles (Specify Length)  
**P/N 95067**

(2) Tube Seals  
**P/N 97266**



†See page 58 for available rotors



Use Winters Semi-Synthetic Hypoid Lube with Moly 80-90-140 **P/N 91730** or Mobil 1® 70-90

### Spreader Bolt Kit **P/N 94607**

Installation Instructions: Axles are to be positioned by means of spreader bolts as shown below. Use grade 8 (minimum) bolt with jam nut. Install into opposing ends of axles and adjust for 1/8 - 3/16"



### TUBE OPTIONS See pg. 20

Turned Down Side Tubes	98131	Camber (See pages 20, 60-61)	98181L
Aluminum Tube w/ Steel Spindle	98138†	Thin Flanged 8 Bolt Tube, Steel	98190*†
1 Piece Aluminum Tube	98140†	Thin Flanged 8 Bolt Tube, Aluminum	98190A*†
Swaged Tube, Steel	98151	Gundrilled Axles	98228
Camber (See pages 20, 60-61)	98181R	Custom Width or Offset	98109

\*Spindles not included. See page 20. †Fits Alum. & Mag Housing Only

### HOUSING OPTIONS See pgs. 26-27

Aluminum Housing	Add Suffix A
Magnesium Housing	Add Suffix K

WIDE 5

# FLANGED AXLE



## BUDGET FRIENDLY

You need stock appearing? You're on a budget, but don't want to sacrifice quality? This rear does it all! Starting with our superior in-house designed 9" steel housing, we install tubes to the width and offset you request\*. We supply you with a correct length, high quality flanged axle set with appropriate bearings installed. Choose from the two popular axle tube ends shown at right. **Important: Flanged axles should not be used for circle track or road racing.**

*\*Standard widths are 60" or 62" hub flange to hub flange, with the pinion centered or 2" positive offset. All else considered custom.*

# ASSEMBLY P/N 92540-FLNG

Specify Track Width & Offset

13

## ASSEMBLY INCLUDES

(1) Housing with Tubes Installed

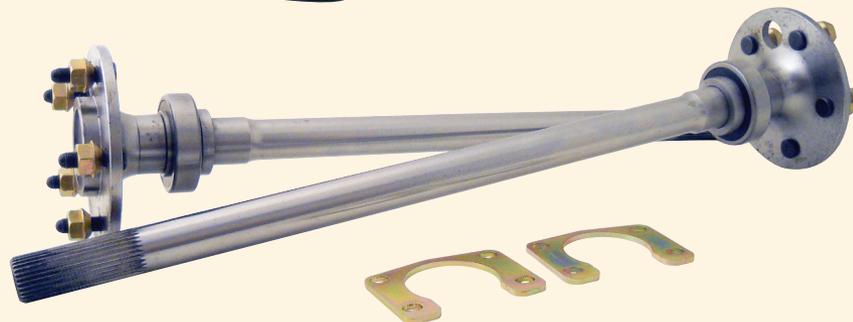
**P/N 92540S**

(1) Axle Kit (Specify Length)

**P/N 92980**



**Late Torino**  
ASSEMBLY P/N 92545-FLNG

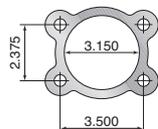


Use Winters Semi-Synthetic Hypoid Lube  
with Moly 80-90-140 **P/N 91730**  
or Mobil 1® 70-90

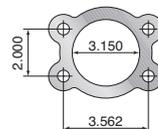
### TUBE OPTIONS *See pg. 25*

Tube, Small Bearing	92530-FLNG
Tube, Big Bearing (Torino)	92545-FLNG
Custom Width or Offset	98109
Tube Seal	98201

### TUBE END OPTIONS



**Big Ford**



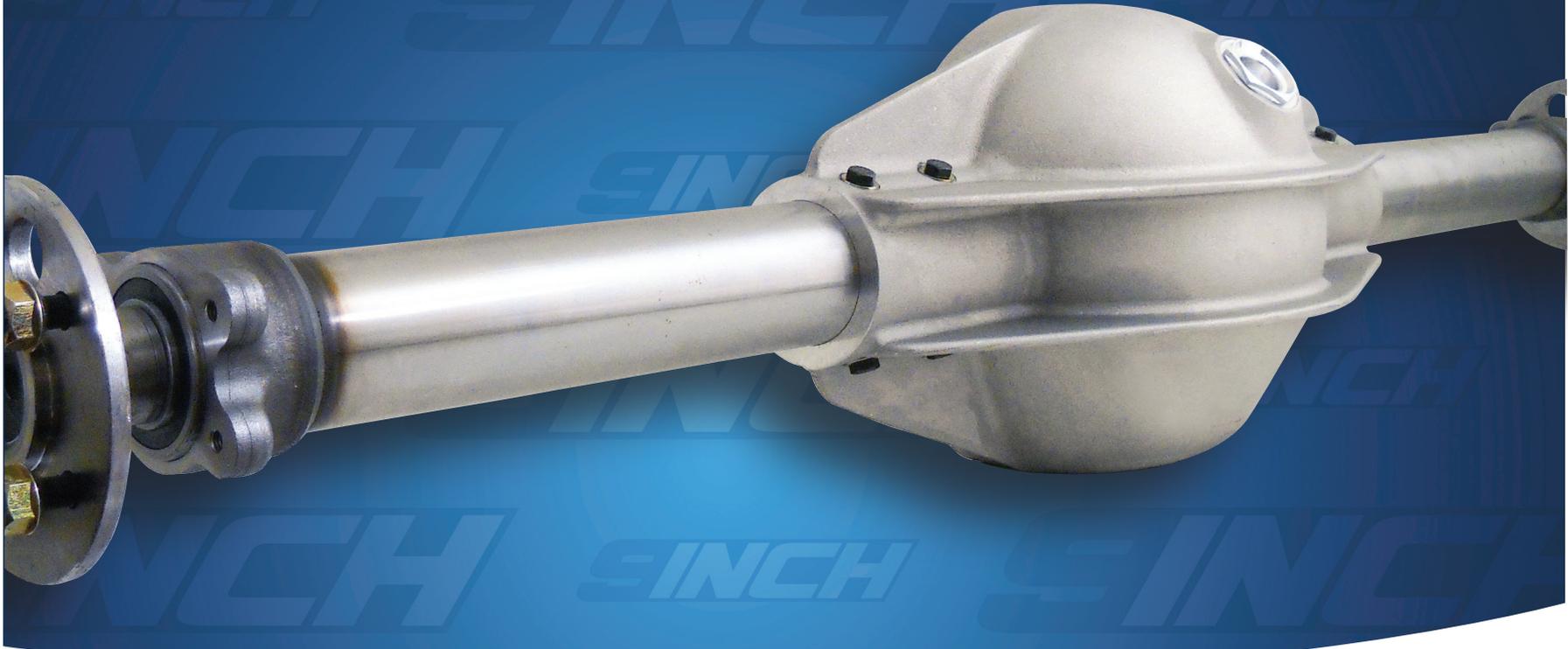
**Big Ford  
(Torino)**

### HOUSING OPTIONS *See pgs. 26-27*

Aluminum Housing	Add Suffix A
Magnesium Housing	Add Suffix K

FLANGED AXLE

# ALUMINUM 9"



## THE ORIGINAL

This housing weighs a fraction of the stock Ford® and, with a greater oil capacity, runs cooler. An inspection plug has been incorporated so you can check ring and pinion condition without having to remove the third member. We install tubes to the width and offset you need\* and supply you with a set of high quality flanged axles with appropriate bearings installed. Choose from the two popular tube ends shown at right. **Important: Flanged axles should not be used for circle track or road racing.**

*\*Standard widths are 60" or 62" hub flange to hub flange, with the pinion centered or 2" positive offset. All else considered custom.*

# ASSEMBLY P/N 92540A-FLNG

Specify Track Width & Offset

15

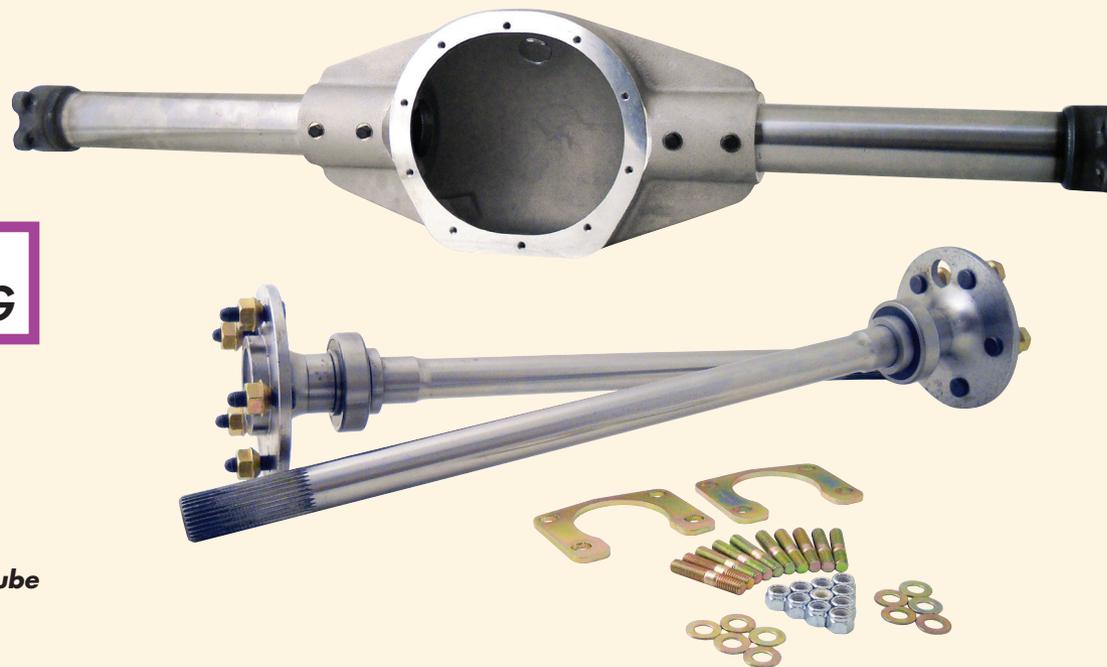
## ASSEMBLY INCLUDES

(1) Housing with Tubes Installed

**P/N 92540A**

(1) Axle Kit (Specify Length)

**P/N 92980**



**Late Torino**  
ASSEMBLY P/N 92545A-FLNG

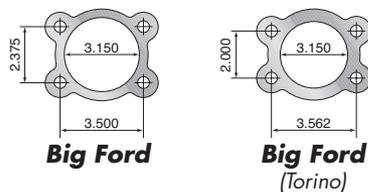


Use Winters Semi-Synthetic Hypoid Lube  
with Moly 80-90-140 **P/N 91730**  
or Mobil 1® 70-90

### TUBE OPTIONS *See pg. 25*

Tube, Small Bearing	92530-FLNG
Tube, Big Bearing (Torino)	92545-FLNG
Custom Width or Offset	98109
Tube Seal	98201

### TUBE END OPTIONS

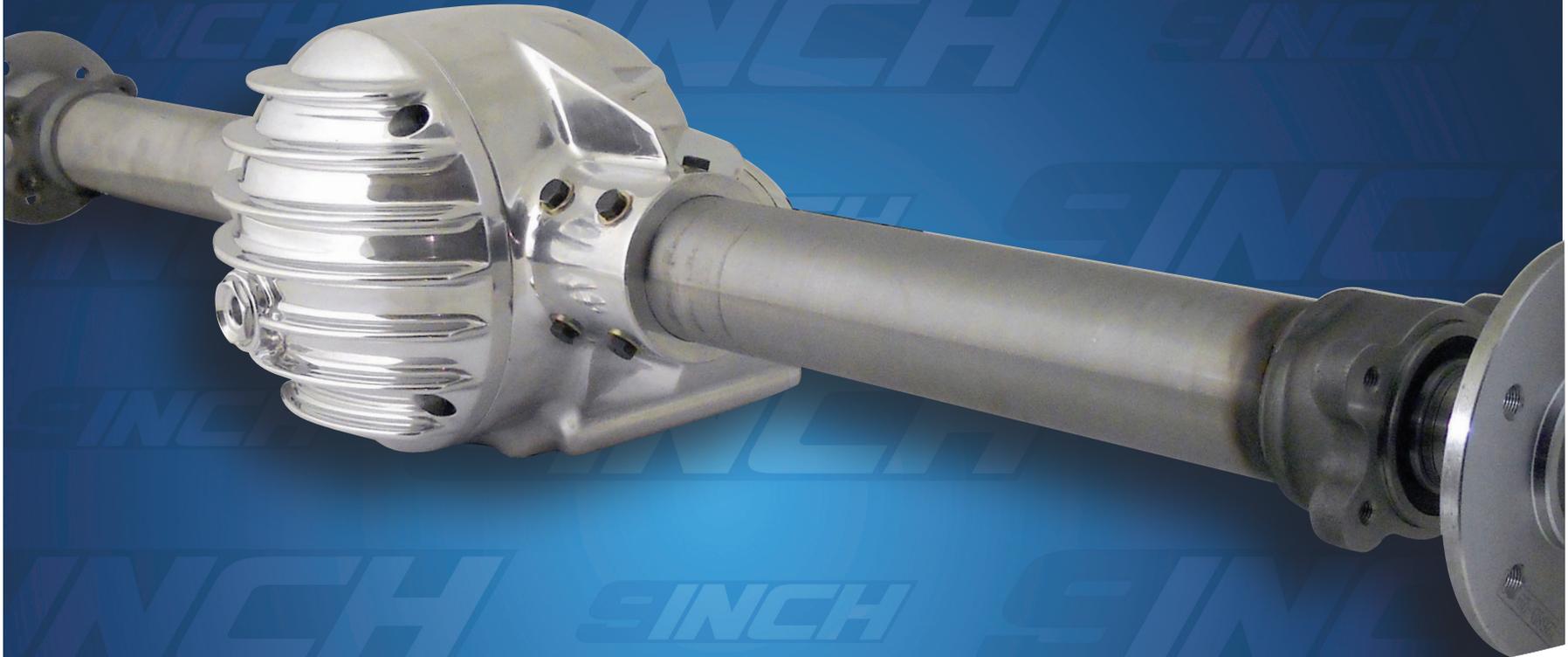


### POLISHING OPTIONS

Polish Center	98207-9
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ALUMINUM 9"

# CHAMPIONSHIP 9"



## HOT RODDING

Suddenly, traditional rears know no boundaries. Breaking new ground, this Championship 9" rear shouts "Hot Rodding"! Made from super strong 206 alloy, this 9" offers a new level of refinement that other rears will be measured against for years. Accepts most stock or aftermarket equivalent components.

*\*Standard widths are 60" or 62" hub flange to hub flange, with the pinion centered or 2" positive offset. All else considered custom.*

# ASSEMBLY P/N 92540CR-FLNG

Specify Track Width & Offset

17

## ASSEMBLY INCLUDES

(1) Housing with Tubes Installed

**P/N 92540CR**

(1) Axle Kit (Specify Length)

**P/N 92980**

**Late Torino**

**ASSEMBLY P/N 92545CR-FLNG**



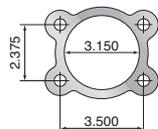
Use Winters Semi-Synthetic Hypoid Lube  
with Moly 80-90-140 **P/N 91730**  
or Mobil 1® 70-90



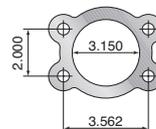
### TUBE OPTIONS See pg. 25

Tube, Small Bearing	92530-FLNG
Tube, Big Bearing (Torino)	92545-FLNG
Custom Width or Offset	98109
Tube Seal	98201

### TUBE END OPTIONS



**Big Ford**



**Big Ford  
(Torino)**

### POLISHING OPTIONS

Polish Rear Cover Only	98207-3611
Polish Center & Cover	98207-9CR

CHAMPIONSHIP 9"



Option 98265-156  
.156 Wall Thickness



Option 98140  
One Piece Aluminum Tube

SPINDLE NUT & LOCK WASHER



STEEL SPINDLE NUT  
**P/N 97103-01 (Right)**  
**P/N 97103-02 (Left)**  
SPINDLE LOCK WASHER  
**P/N 97118**

SPINDLE SEAL



2 1/2" GN Double Lip Spindle Seal  
The most effective "trick" seal available!  
**P/N 97271**

#	DESCRIPTION	CAMBER	ASSEMBLY P/N	SPINDLE P/N	TUBE P/N
1	2 1/2" GN Tube & Spindle Assembly (Right)	Straight	<b>95052R</b>	95006-01	95110
1	2 1/2" GN Tube & Spindle Assembly (Left)	Straight	<b>95052L</b>	95006-02	95110
1	2 1/2" GN Tube & Spindle Assembly (Right)	0.5°	<b>91605R</b>	91383-05R	95110
1	2 1/2" GN Tube & Spindle Assembly (Left)	0.5°	<b>91605L</b>	91383-05L	95110
1	2 1/2" GN Tube & Spindle Assembly (Right)	1.0°	<b>91610R</b>	91383-10R	95110
1	2 1/2" GN Tube & Spindle Assembly (Left)	1.0°	<b>91610L</b>	91383-10L	95110
1	2 1/2" GN Tube & Spindle Assembly (Right)	1.5°	<b>91615R</b>	91383-15R	95110
1	2 1/2" GN Tube & Spindle Assembly (Left)	1.5°	<b>91615L</b>	91383-15L	95110
1	2 1/2" GN Tube & Spindle Assembly (Right)	1.8°	<b>91618R</b>	91383-18R	95110
1	2 1/2" GN Tube & Spindle Assembly (Left)	1.8°	<b>91618L</b>	91383-18L	95110
1	2 1/2" GN Tube & Spindle Assembly (Right)	2.0°	<b>91620R</b>	91383-20R	95110
1	2 1/2" GN Tube & Spindle Assembly (Left)	2.0°	<b>91620L</b>	91383-20L	95110
2	2 1/2" GN Aluminum Tube & Spindle (Right)†	Straight	<b>96754R</b>	One Piece	One Piece
2	2 1/2" GN Aluminum Tube & Spindle (Left)†	Straight	<b>96754L</b>	One Piece	One Piece

†Fits Aluminum & Magnesium Housing Only

See Page 60 for Cambered Technical Page

BOLT-ON

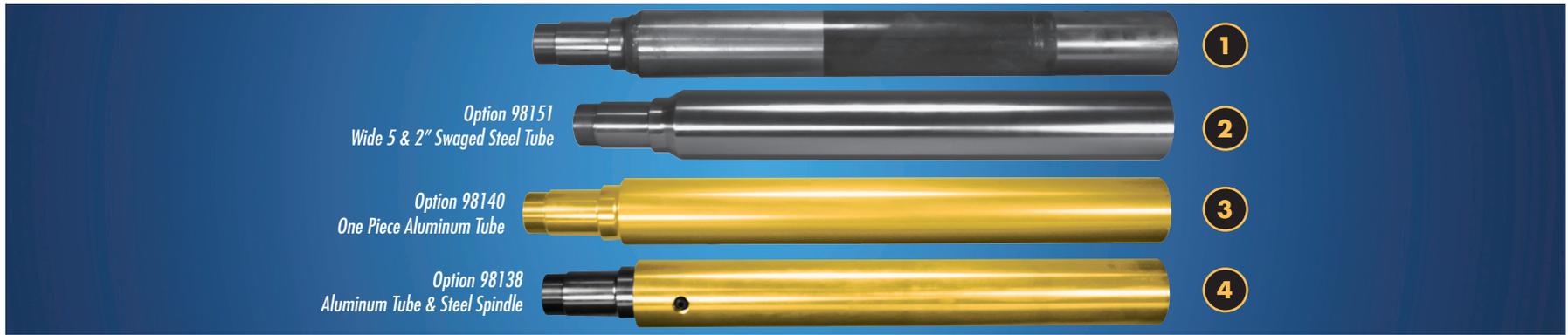


Option 98190 Thin Flanged 8 Bolt Tube (Spindle Not Included)

#	DESCRIPTION	CAMBER	P/N	TUBE P/N
3	2 1/2" GN Steel Bolt-On Spindle (Right)	Straight	<b>95155-01</b>	95051
3	2 1/2" GN Steel Bolt-On Spindle (Left)	Straight	<b>95155-02</b>	95051
4*	2 1/2" GN Steel Bolt-On Spindle (Right)	1.5°	<b>91385-15R</b>	91439
4*	2 1/2" GN Steel Bolt-On Spindle (Left)	1.5°	<b>91385-15L</b>	91439

\*Includes Bearing Sleeve P/N 91441 & O'Ring P/N 97446

#	DESCRIPTION	ASSEMBLY P/N	TUBE P/N	TUBE END P/N
5	8 Bolt Thin Flange Steel Tube Assembly, 2 1/2" GN	<b>91439</b>	95110	91397



#	DESCRIPTION	CAMBER	ASSEMBLY P/N	SPINDLE P/N	TUBE P/N
1	2" GN Steel Tube & Spindle Assembly	Straight	<b>96785</b>	96758	95110
1	2" GN Steel Tube & Spindle Assembly	0.5°	<b>91505</b>	91382-05	95110
1	2" GN Steel Tube & Spindle Assembly	1.0°	<b>91510</b>	91382-10	95110
1	2" GN Steel Tube & Spindle Assembly	1.5°	<b>91515</b>	91382-15	95110
2	2" GN Swaged Steel Tube & Spindle Assembly	Straight	<b>96786S</b>	One Piece	One Piece
3	2" GN Aluminum Tube & Spindle Assembly†	Straight	<b>96786</b>	One Piece	One Piece
4	2" GN Aluminum Tube w/ Steel Spindle†	Straight	<b>91670</b>	91381	96597
4	2" GN Aluminum Tube w/ Steel Spindle†	0.5°	<b>91505A</b>	91381-05	96597
4	2" GN Aluminum Tube w/ Steel Spindle†	1.0°	<b>91510A</b>	91381-10	96597
4	2" GN Aluminum Tube w/ Steel Spindle†	1.5°	<b>91515A</b>	91381-15	96597

†Fits Aluminum & Magnesium Housing Only

See Page 60 for Cambered Technical Page

**BOLT-ON**

#	DESCRIPTION	CAMBER	P/N	TUBE P/N
5*	2" Steel GN Bolt-On Spindle	Straight	<b>91384</b>	91400/91400A
6*	2" Steel GN Bolt-On Spindle	0.5°	<b>91384-05</b>	91400/91400A
6*	2" Steel GN Bolt-On Spindle	1.0°	<b>91384-10</b>	91400/91400A
6*	2" Steel GN Bolt-On Spindle	1.5°	<b>91384-15</b>	91400/91400A

\*Includes Bearing Sleeve P/N 91440 & O'Ring P/N 97464

#	DESCRIPTION	ASSEMBLY P/N	TUBE P/N	TUBE END P/N
7	8 Bolt Thin Flange Steel Tube Assembly, 2" GN	<b>91400</b>	95110	91299
8	8 Bolt Thin Flange Aluminum Tube Assembly, 2" GN	<b>91400A</b>	One Piece	One Piece



**TUBES 2" GN 5 ON 5**



SPINDLE NUT & LOCK WASHER



SPINDLE NUT  
2 per Spindle Required  
**P/N 95101**  
SPINDLE LOCK WASHER  
**P/N 95095**

#	DESCRIPTION	CAMBER	ASSEMBLY P/N	SPINDLE P/N	TUBE P/N
1	Wide 5 Steel Tube & Spindle Assembly	Straight	<b>95145</b>	95151	95110
1	Wide 5 Steel Tube & Spindle Assembly	0.5°	<b>91405</b>	91380-05	95110
1	Wide 5 Steel Tube & Spindle Assembly	1.0°	<b>91410</b>	91380-10	95110
1	Wide 5 Steel Tube & Spindle Assembly	1.5°	<b>91415</b>	91380-15	95110
2	Wide 5 Swaged Steel Tube & Spindle Assembly	Straight	<b>96846</b>	One Piece	One Piece
3	Wide 5 One Piece Aluminum Tube & Spindle†	Straight	<b>96672</b>	One Piece	One Piece
4	Wide 5 Aluminum Tube w/ Steel Spindle†	Straight	<b>96631</b>	96598	96597
4	Wide 5 Aluminum Tube w/ Steel Spindle†	0.5°	<b>91405A</b>	91379-05	96597
4	Wide 5 Aluminum Tube w/ Steel Spindle†	1.0°	<b>91410A</b>	91379-10	96597
4	Wide 5 Aluminum Tube w/ Steel Spindle†	1.5°	<b>91415A</b>	91379-15	96597

†Fits Aluminum & Magnesium Housing Only

See Page 63 for Dimensional Data

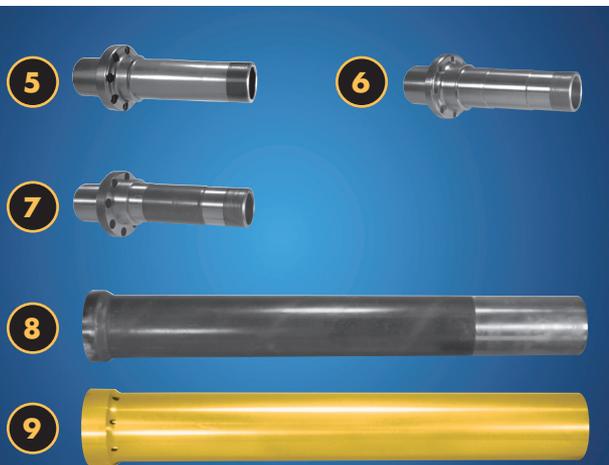
See Page 60 for Cambered Technical Page

SPINDLE LOCK KIT



**P/N 91865**

BOLT-ON



#	DESCRIPTION	CAMBER	P/N	TUBE P/N
5	Wide 5 Aluminum Bolt-On Spindle	Straight	<b>96600</b>	91400/91400A
6	Wide 5 Steel Bolt-On Spindle	Straight	<b>96620</b>	91400/91400A
6	Wide 5 Steel Bolt-On Spindle	Straight	<b>96620HT</b>	91400/91400A
7*	Wide 5 Steel Bolt-On Spindle	0.5°	<b>96620C-05HT</b>	91400
7*	Wide 5 Steel Bolt-On Spindle	1.0°	<b>96620C-10HT</b>	91400
7*	Wide 5 Steel Bolt-On Spindle	1.5°	<b>96620C-15HT</b>	91400

\*Includes Bearing Sleeve P/N 91440 & O'Ring P/N 97464

#	DESCRIPTION	ASSEMBLY P/N	TUBE P/N	TUBE END P/N
7	8 Bolt Thin Flange Steel Tube Assembly, 2" GN	<b>91400</b>	95110	91299
8	8 Bolt Thin Flange Aluminum Tube Assembly, 2" GN	<b>91400A</b>	One Piece	One Piece

# SHORT WIDE 5

Option 98236 Short Wide 5 Tube  
Option 98265-156 .156 Wall Thickness



#	DESCRIPTION	CAMBER	ASSEMBLY P/N	SPINDLE P/N	TUBE P/N
1	Short Wide 5 Steel Tube & Spindle Assembly	Straight	<b>96947</b>	96937	95110
1	Short Wide 5 Steel Tube & Spindle Assembly	0.5°	<b>91705</b>	96937-05	95110
1	Short Wide 5 Steel Tube & Spindle Assembly	1.0°	<b>91710</b>	96937-10	95110
1	Short Wide 5 Steel Tube & Spindle Assembly	1.5°	<b>91715</b>	96937-15	95110

See Page 60 for Cambered Technical Page

# BABY GRAND

Option 98138 Aluminum Tube & Steel Spindle



#	DESCRIPTION	CAMBER	ASSEMBLY P/N	SPINDLE P/N	TUBE P/N
2	Baby Grand Steel Tube & Spindle Assembly	Straight	<b>92261</b>	96547	95110
2	Baby Grand Steel Tube & Spindle Assembly	1.0°	<b>91810</b>	91386-10	95110
3	Baby Grand Steel Tube & Spindle Assembly†	Straight	<b>92264</b>	91284	96597

†Fits Aluminum & Magnesium Housing Only

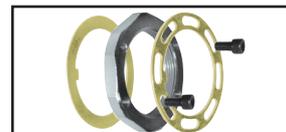
## SPINDLE NUT & LOCK WASHER



SPINDLE NUT  
2 per Spindle Required  
**P/N 95101**

SPINDLE LOCK WASHER  
**P/N 95095**

## SPINDLE LOCK KIT



**P/N 91865**

# 2 7/8" WIDE 5

1



Option 99119  
.280 Wall Thickness

Please Note: Shown with REQUIRED Tube Spacer P/N 93262. MUST USE Seal P/N 97289V with Tube Spacer.

2



Option 98239 Aluminum  
Option 98263 Steel

## SPINDLE LOCK KIT



P/N 94301

Fully machined 3", one piece tube with 2 7/8" spindle. For use with 2 7/8" Wide 5 Hubs.

#	DESCRIPTION	CAMBER	ASSEMBLY P/N	SPINDLE P/N	TUBE P/N
1	2 7/8" Tetrad Tube	Straight	93246B	One Piece	One Piece
2	2 7/8" Aluminum Wide 5 Tube & Spindle Assembly	Straight	93246	One Piece	One Piece
2	2 7/8" Steel Wide 5 Tube & Spindle Assembly	Straight	93791	One Piece	One Piece

# 2 7/8" WIDE 5 HUB KIT

## REAR KIT KIT P/N 93750

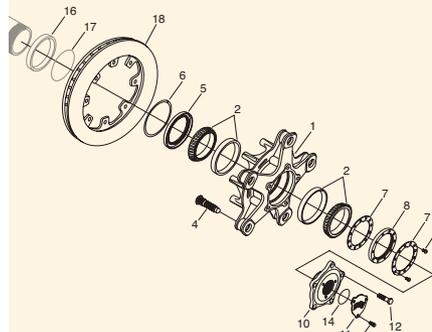


## AXLE/TUBE SEAL P/N 97268



IMPORTANT: This seal must be used in conjunction with our 2 7/8" Wide 5 Oil Filled Hubs. Install seal in tube to a depth of 3/4" - 13/16".

## KIT INCLUDES



#	DESCRIPTION	P/N	QTY
1	Rear Hub	93266	1
2	Bearing Cup & Cone Set	98658	2
4	Wheel Stud, Solid	95688	5
5	Seal	97284V	1
5*	Seal	97289V	1
6	Retaining Washer	98349	1
7	Washer	93273	2
8	Spindle Nut, Steel	93271S	1
9	10-24 x 3/8" BHCS	98740	2
10	Drive Flange	93267	1
11	Drive Flange Cap	96581	1
12	7/16-14 x 1 1/4" HHCS	97117	5
13	1/4-20 x 1/2" 12pt	97892	3
14	O'Ring	97417	1
16*	Spacer	93262	1
17*†	O'Ring	97490	1
18	Rotor Option	See Page 44	

\*For Use with Splined Tubes  
†Sold Separately

## INVERTED DRIVE FLANGE P/N 93698 w/ O'RING P/N 93698-0 Option 99123 O'Ring P/N 97494



## ANGULAR CONTACT BEARINGS with Steel Balls Option 98254S-287

SPINDLE LOCK KIT

P/N 94301



Option 98279



1

Fully machined 3", one piece tube with 2 7/8" spindle. For use with Pro Eliminator 5 on 5 Hubs (Page 41).

#	DESCRIPTION	CAMBER	ASSEMBLY P/N	SPINDLE P/N	TUBE P/N
1	2 7/8" Steel 5 on 5 Tube & Spindle Assembly	Straight	93916	One Piece	One Piece

AXLE / TUBE SEALS



Maverick offers two designs of axle/tube seals to prevent oil in the rear from entering the side tubes. Aluminum case seal incorporates o' rings to seal in the side tube I.D. The lighter, stamped steel case seal press fits into the side tube much like a conventional oil seal to ensure positive stability. Both styles use a flexible lip with garter spring to grip the axle shaft. A must for use with differentials. **Replacement Seal P/N 97267**

#	DESCRIPTION	P/N	WALL THICKNESS	I.D.	O'RING P/N	CASE P/N	INTERNAL SEAL	OPTION
1	Aluminum Case, Aluminum Tube	92842	0.250"	2.500"	97460	92733	97267	98201
2	Aluminum Case, Steel Tube	92841	0.200"	2.600"	97468	92732	97267	98201
3	Aluminum Case, Steel Tube	93485	0.156"	2.700"	98418	93484	97267	98201
4	Aluminum Case, Steel Tube	93483	0.125"	2.750"	98419	93483	97267	98201
5	Steel Case, Steel Tube	97266	0.200"	2.600"	—	—	—	98201S
5	Steel Case, Aluminum Tube	97268	0.250"	2.500"	—	—	—	98201S



**PREMIUM STEEL AXLES**

Made from the finest material and CNC machined using an automatic double roller steady rest assuring that all axles run true and concentric. Finished with state of the art heat treat and available solid or gundrilled.

**BALL DRIVE AXLES**

The ultimate for cambered applications! The constant velocity u-joint in the wheel equals minimal friction, heat and wear. Available solid or gundrilled. Refer to pages 48 and 54 for drive flanges.

**CROWN SPLINE AXLES**

When used with the appropriate drive flange, these axles allow the use of cambered spindles without damaging splines. Refer to pages 48 and 54 for drive flanges.

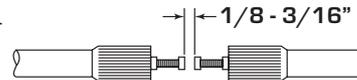
**TITANIUM AXLES**

Lighter than gundrilled steel axles, Titanium Axles have four times the elasticity of steel. Their ability to wind up gives you a performance edge. Excellent for dirt and asphalt.

**Spreader Bolt Kit P/N 94607**

**Kit Includes: (2) P/N 98832M & (2) P/N 98032**

*Installation Instructions:* Axles are to be positioned by means of spreader bolts as shown below. Use grade 8 (minimum) bolt with jam nut. Install into opposing ends of axles and adjust for 1/8 - 3/16" total clearance with both axle retaining plates installed. Torque jam nuts to 30 ft lbs.



**LOCK UP PLUG KIT**

Add to inner end of axle to lock up a differential for "spool like" action.



When Ordering, Add Length, From Chart Below, To P/N. Example: P/N 95067GP-36

AXLE TYPE	SPLINE	STYLE	P/N
Double Splined	31/24	Gundrilled	<b>95067GP</b>
Double Splined	31/24	Solid	<b>95067P</b>
Double Splined	31/24	Solid, Titanium	<b>95067T</b>
Ball Drive	31	Solid	<b>91139</b>
Ball Drive	31	Gundrilled	<b>91139G</b>
Crowned Spline	31/24	Solid	<b>92208</b>
Crowned Spline	31/24	Gundrilled	<b>92208G</b>

**WIDE 5 & GN LENGTHS**

*14"	*29 1/4"	35 1/4"
*15"	29 1/2"	35 1/2"
*16"	29 3/4"	*35 3/4"
*17"	30"	36"
*18"	30 1/4"	36 1/4"
*19"	30 1/2"	36 1/2"
23"	*30 3/4"	*36 3/4"
24"	31"	37"
25"	*31 1/4"	*37 1/4"
*25 1/4"	31 1/2"	37 1/2"
*25 1/2"	*31 3/4"	*37 3/4"
26"	32"	38"
*26 1/4"	*32 1/4"	38 1/2"
26 1/2"	32 1/2"	39"
*26 3/4"	*32 3/4"	*39 1/2"
27"	33"	40"
27 1/4"	33 1/4"	40 1/2"
27 1/2"	33 1/2"	41"
27 3/4"	*33 3/4"	41 1/2"
28"	34"	42"
28 1/4"	*34 1/4"	42 1/2"
28 1/2"	34 1/2"	43"
*28 3/4"	34 3/4"	†44"
29"	35"	†45"

**CROWN SPLINED LENGTHS**

26 1/4"	31 1/2"
26 1/2"	31 3/4"
26 7/8"	32"
27"	32 1/8"
27 1/4"	32 1/4"
27 3/4"	32 1/2"
31 1/4"	

**BALL DRIVE LENGTHS**

28 1/8"	33"
29"	34 1/8"
29 1/2"	35 1/8"
29 3/4"	36"
31"	37"
31 1/2"	38"
32"	

\*Gundrilled Only

†Gundrilled Not Available



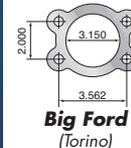
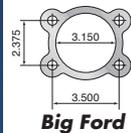
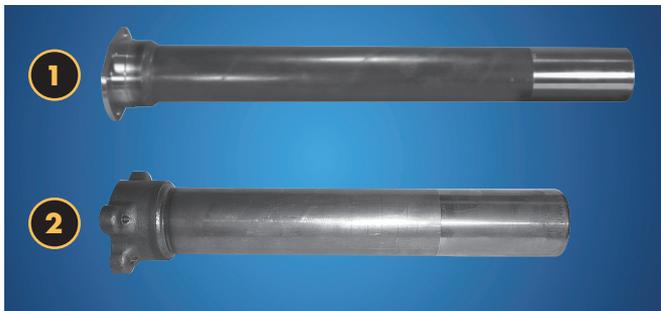
**SET P/N 92980**

As shown above.

Made from one piece forgings, these flanged axles are of a superior material, heat treat depth and design, which exceeds the strength and durability of stock axles. The induction hardened non-tapered shaft, combined with a ductile flange, allows for shortening or bolt pattern changes in the future.

Each axle is made to order with your choice of a 5 on 4 1/2", 5 on 4 3/4" or 5 on 5" bolt pattern with 1/2" fine thread studs. 5/8" coarse thread studs are available as an option. Spline available in 31 spline only. Axle sets come complete with bearings, collars, spacers, and heavy duty bearing retainer plates where applicable. See page 62 for ordering chart. **Not to be used for circle track or road racing.**

**STOCK FORD BEARING ENDS**



#	DESCRIPTION	ASSEMBLY P/N	TUBE END P/N	TUBE P/N	RETAINER P/N
1	Ford Big Bearing Side Tube Assembly (3.150)	96478	96378	95110	93374-01
2	Ford Big Bearing Side Tube Assembly Torino® (3.150)	92970	92505	95110	93374-02

# STEEL HOUSING



24 lbs 10 oz Housing Only

## HOUSING OPTIONS

Without Vent Bung	98287X2
Without Bungs	98287X3
With Brackets Installed	98289

Using our in-house designed and improved steel stampings and tubes, we assemble these housings with the greatest accuracy in the industry. Mixing 7 gauge and 10 gauge high strength, low alloy, cold rolled sheet steel (ASTM 50,000 lb. minimum yield strength), these housings offer the perfect blend of superior strength and light weight. During assembly, we extend the right side tube further into the center to help trap oil from entering the side tube, and install vent, fill and drain plug bungs. This housing will accept any of our 3" O.D. side tubes.

Winters® 9" Steel Housing is available in the following assemblies:

Ford Small Axle Bearing O.D. (2.835)*	<b>925305</b>	Super Speedway	<b>959105</b>
Ford Big Axle Bearing O.D. (3.150)*	<b>925405</b>	Short Wide 5	<b>955605</b>
Ford Big Axle Bearing O.D. Torino (3.150)*	<b>925455</b>	2 7/8" Wide 5	<b>955305-8263</b>
2 1/2" GN 5 on 5	<b>953455</b>	2 7/8" 5 on 5	<b>953455-8279</b>
Wide 5	<b>955305</b>	Baby Grand	<b>952305</b>
Thin Flanged 8 Bolt	<b>955815</b>	2 1/2" Wide 5	<b>955305-8213</b>
2" GN	<b>955905</b>		

\*Refers to stock Ford® Axle Bearing Diameter



Option 98289 Brackets Installed

# ALUMINUM & MAGNESIUM HOUSINGS



15 lbs 8 oz Housing Only

Our 9" rear housing is available with aluminum or magnesium castings. These housings with aluminum tubes and spindles weigh a fraction of the stock Ford®. and with a greater oil capacity runs much cooler. An inspection plug has been incorporated so you may visually check ring and pinion condition without having to remove the third member. Accepts any of our 3" O.D. tubes.

Winters® 9" Aluminum or Magnesium Housing is available in the following assemblies (Add prefix 'K' to P/N when ordering Magnesium Assemblies):

Ford Small Axle Bearing O.D. (2.835)*	<b>925305</b>	Super Speedway	<b>959105</b>
Ford Big Axle Bearing O.D. (3.150)*	<b>925405</b>	Short Wide 5	<b>955605</b>
Ford Big Axle Bearing O.D. Torino (3.150)*	<b>925455</b>	2 7/8" Wide 5	<b>955305-8263</b>
2 1/2" GN 5 on 5	<b>953455</b>	2 7/8" 5 on 5	<b>953455-8279</b>
Wide 5	<b>955305</b>	Baby Grand	<b>952305</b>
Thin Flanged 8 Bolt	<b>955815</b>	2 1/2" Wide 5	<b>955305-8213</b>
2" GN	<b>955905</b>		

\*Refers to stock Ford® Axle Bearing Diameter

## MAGNESIUM HOUSING

11 lbs 2 oz. (Housing Only)



## CHAMPIONSHIP 9"

Add suffix CR to P/N when ordering.

## STEEL 9"



Steel 9" Housing	<b>92465</b>
No Vent Bung	<b>92465X2</b>
No Vent, Level or Drain Bungs	<b>92465X3</b>
.002" Overbore	<b>92465X4</b>

## CHAMPIONSHIP 9"



Aluminum Championship 9" Housing	<b>94305</b>
Aluminum Championship 9" Housing, Heavy Duty	<b>94305HD</b>

## ALUMINUM 9"



Aluminum 9" Housing	<b>95243</b>
Magnesium 9" Housing	<b>K95243</b>

*See Page 52 for more information*



### HOUSING OPTIONS SHOWN

Polishing	98207-9
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### HOUSING OPTIONS SHOWN

Machined Housing	98294
Detailed Polished Fins	98207-D



### HOUSING OPTIONS SHOWN

Machined Housing	98294
Polishing	98207-9



### HOUSING OPTIONS SHOWN

Machined Housing	98294
Detailed Polished Fins	98207-D
Black Powder Coat	98208-9

## SUSPENSION BRACKETS



### KIT P/N 94302

Fits 1978-1982 Intermediate Size Metric GM.

### KIT INCLUDES

- (1) **Left Lower Bracket**  
**P/N 94047**
- (1) **Right Lower Bracket**  
**P/N 94046**
- (1) **Left Upper Bracket Assembly**  
**P/N 94051L**
- (1) **Right Upper Bracket Assembly**  
**P/N 94051R**



**Replacement Bushing**  
**P/N 93873**

# ASSEMBLY P/N 94303

Our fully assembled 3rd Member begins with a new "in-house" manufactured carrier housing, lightweight spool and your choice from a long list of ring and pinion ratios. These 3rd members are meticulously assembled by our own trained technicians to exacting standards. Many options tailor the assembly to your preference.



## NODULAR IRON ASSEMBLY

Shown with optional lightweight aluminum spool. Features 3 1/4" carrier bearing bores.



## ALUMINUM ASSEMBLY

Shown with standard spool installed. Features 3 1/4" carrier bearing bores.

## ASSEMBLY INCLUDES

**Nodular Iron Carrier Housing**  
**P/N 98142-03**

**Yoke**  
**P/N 92417**

**Pinion Support, Steel**  
**P/N 92507**

**Install Kit**  
**P/N 92849C1-03**

**Spool, 2" Journal**  
**P/N 95034-35S**

**Ring & Pinion**  
**P/N 945XXX**

## 3RD MEMBER INSTALL KIT

### KIT P/N 92849-01



Kit Includes:

DESCRIPTION	P/N	QTY
3rd Member Gasket	<b>991273</b>	1
Pinion Shim Kit	<b>91275</b>	1
Pinion Kock Nut	<b>92222</b>	1
Crush Sleeve	<b>92392</b>	1
Pinion Seal	<b>97247</b>	1
Ring Gear Bolts	<b>97934</b>	10
O'Ring, Pinion Retainer	<b>98407</b>	1
Gear Marking Compound Kit	<b>92981</b>	1

## AVAILABLE OPTIONS

Aluminum 3rd Member Case	Suffix "A"
Magnesium 3rd Member Case	Suffix "K"
Ring & Pinion Ratio, Specify	981XXX
Billet Aluminum Pinion Support	98103B
Forged Aluminum Pinion Support	98103F
Lightened Ring Gear	98107
Install Pump	98110
Steel Spool, 28 Spline	98114-28
Steel Spool, 31 Spline	98114-31
Steel Spool, 33 Spline	98114-33
Steel Spool, 35 Spline	98114-35
Aluminum Spool, 28 Spline	98115-28
Aluminum Spool, 31 Spline	98115-31
Lock Ring, Pinion Retainer	98119
4 Gear Steel Differential	98121-4
6 Gear Steel Differential	98121-6
Gear Trac, 28 Spline	98121GT-28
Gear Trac, 31 Spline	98121GT-31
Ultralight Aluminum Spool, 28 Spline	98130-28
Ultralight Aluminum Spool, 31 Spline	98130-31
Aluminum Locker	98171
Steel Locker	98171S
Wedgelock, 28 Spline	98194-28
Wedgelock, 31 Spline	98194-31
Viton Seal, Pinion	98199
Polishing, 3rd Member	98207-3
Thermal Dispersant, 3rd Member	98208-3
Locker Spring, 58lb	98214-58
Locker Spring, 68lb	98214-68
Locker Spring, 90lb	98214-90
REM® Differential, Internal Gears	98218-DG
REM® Locker Internal Assembly	98218-LIA
REM® Ring & Pinion	98218-RP
Angular Contact Brgs on Diff.	98244S
Yoke, 1310 Series, Aluminum	98275-1
Yoke, 1330 Series	98275-2
Yoke, 1350 Series	98275-3
Machine Work To Install Pump	98295

# NODULAR IRON HOUSING

## ASSEMBLY P/N 91842-03\*

with 3 1/4" (3.250") Bearing Bores

\*Assembly consists of carrier bearing retaining caps, adjusting nuts, pinion nose roller bearing, locking tabs, level plug & hardware.

Winters® "lightweight" nodular iron 9" carrier housing is 6 lbs less weight than any iron counterpart (stock or after market). Designed specifically for applications where aluminum carrier housings would work but rules disallow them. P/N 91842-03 carrier housing features 3 1/4" bearing bore and adapter races which are compatible with many types of stock and after market differentials and aluminum or steel spools. Bearing preloads and ring and pinion back lash are the same as stock. A convenient oil level/fill plug is incorporated, which can also be used for coolant pump return by modifying the plug. The appearance has been altered to enhance strength to overcome the effect of a much lighter and thinner casting. This is the result of computer aided stress analysis. For circle track, drag racing, Baja, 4 wheeling, etc.



# ALUMINUM & MAGNESIUM HOUSING

## ASSEMBLY P/N 96791-03\*

with 3 1/4" (3.250") Bearing Bores

Magnesium housing available by special order only. Add prefix "K" to part number when ordering.

\*Assembly consists of carrier bearing retaining caps, adjusting nuts, pinion nose roller bearing, locking tabs, level plug & hardware.

Winters® aluminum 13 lb, 2 oz 9" carrier housing is designed for racing applications. Winters® "ultra lightweight" aluminum carrier housing is 1/2 the weight of a stock iron housing. Featuring 7075 extruded aluminum carrier bearing retaining caps at double the strength of stock caps (80,000/90,000 psi tensile strength). Machine to accept oversize carrier bearings (3 1/4" diameter bearing bores). Adapter races accommodate any size differential. Fits all 9" housings without alteration. Included is a convenient oil level/fill plug, which can also be used for a coolant pump return by modifying the plug.



13 lbs 2 oz as shown

### ADAPTER RACE



P/N	RACE O.D.	RACE I.D.
<b>98663-1</b>	3.250"	3.062"
<b>98664-1</b>	3.250"	2.891"

### THERMAL DISPERSANT

#### OPTION 98208-9

A black, baked on, durable, impregnated coating. Reduces oil temperature 20° F and more!

### CARRIER HOUSING OPTIONS

Polishing	98207-3
Thermal Dispersant Coating	98208-9
Low Drag Angular Contact Bearings with Steel Balls	98244S-CT
Machining for Pump	98295

CARRIER HOUSINGS

## STEEL HOUSING

### ASSEMBLY P/N 91842S-03\*

with 3 1/4" (3.250") Bearing Bores

\*Assembly consists of carrier bearing retaining caps, adjusting nuts, pinion nose roller bearing, locking tabs, level plug & hardware.

Winters® "lightweight" steel 9" carrier housing is 8 lbs less weight than any iron counterpart (stock or after market). Designed specifically for applications where strength and rigidity is required to maximize ring and pinion life. P/N 91842S-03 carrier housing is designed for circle track, road racing and / or drag racing using oversized 2" carrier bearings which are compatible with many types of aftermarket differentials or steel spools. A convenient oil level/fill plug is incorporated, which can also be used for coolant pump return as required. The appearance has been altered to enhance strength to overcome the effect of a much greater horsepower. This is the result of computer aided stress analysis. May also be used for Baja, 4 wheeling, rock climbing etc.



## CHAMP 9" HOUSING

### ASSEMBLY P/N 94305\*

with 3 1/4" (3.250") Bearing Bores

\*Assembly consists of carrier bearing retaining caps, adjusting nuts, pinion nose roller bearing, locking tabs, level plug & hardware.

Winters® Champ 9" was an exercise by our engineering department to make the aluminum 9" carrier housing as compact as possible. We accomplished this by molding the previously removable carrier housing together with the outer housing. The best part is you can still use stock or aftermarket equivalent components, including the traditional pinion support and assembly procedures. Poured from super strong 206 alloy, this 9" offers a new level of refinement that other rears will be measured against for years. Machined to accept oversize carrier bearings (3 1/4" diameter bearing bores). Adapter races accommodate any size differential.



### ADAPTER RACE



P/N	RACE O.D.	RACE I.D.
98663-1	3.250"	3.062"
98664-1	3.250"	2.891"

### THERMAL DISPERSANT

#### OPTION 98208-9

A black, baked on, durable, impregnated coating. Reduces oil temperature 20° F and more!

### CARRIER HOUSING OPTIONS

Polishing	98207-3
Thermal Dispersant Coating	98208-9
Low Drag Angular Contact Bearings with Steel Balls	98244S-CT
Machining for Pump	98295

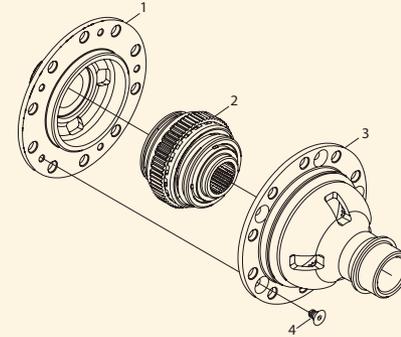


**ASSEMBLY P/N 94175-31A**  
2.000" Bearing Journal

**ASSEMBLY P/N 94175-31B**  
1.782" Bearing Journal

This locker is a fully automatic locking differential. It delivers spool like traction on the straightaways yet automatically unlocks in the corners. Factory calibrated springs, tested to ensure accuracy within 2 lbs, are installed (78 lb standard). Lock spring rates are laser etched on housing.

### ASSEMBLY INCLUDES



#	DESCRIPTION	P/N	QTY
1*	Locker Cover	94114	1
2	Internal Assembly	91787	1
3*	Locker Housing	94113	1
4	5/16-18 x 1/2" FHCS	97988	5

\*Must be purchased as a set.

### SPRING OPTIONS

Orange, 58 lb	98214-58 (P/N 91280O)	Yellow, 78 lb	Standard (P/N 91280Y)
Blue, 68 lb	98214-68 (P/N 91280B)	Red, 90 lb	98214-90 (P/N 91280R)

# GEAR TRAC



**ASSEMBLY P/N 94620-31A**  
2.000" Bearing Journal

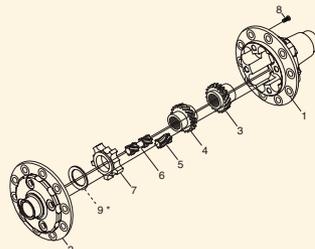
**ASSEMBLY P/N 94620-31B**  
1.782" Bearing Journal

**ASSEMBLY P/N 94620P-31A**  
2.000" Bearing Journal, Preloaded

**ASSEMBLY P/N 94620P-31B**  
1.782" Bearing Journal, Preloaded

This unit uses a unique gear design that automatically senses wheel spin and delivers positive traction.

### ASSEMBLY INCLUDES



#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1†	Main Housing	94309	1	6	Left Hand Helical Gear	91722-01	4
2†	Cover	94308	1	7	Scalloped Spacer	91917-02	1
3	Right Hand Side Gear	91721	1	8	1/4-20 x 1/2" FHCS	97996	5
4	Left Hand Side Gear	91723	1	9*	Belleville Washer	92488	1
5	Right Hand Helical Gear	91722-02	4				

†Must be purchased as a set. \*Used in preload application only.

**STEEL DIFFERENTIAL**

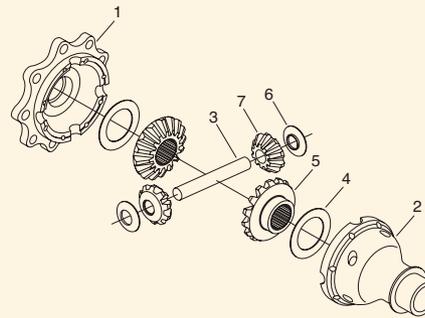
**DIFFERENTIALS**



**4 GEAR OPEN DIFFERENTIAL  
ASSEMBLY P/N 94066**  
1.782" Bearing Journal

Winters® 9" steel differential housing with 4 forged steel gears. For 31 spline axles.  
**TUFF AS NAILS!**

**ASSEMBLY INCLUDES**

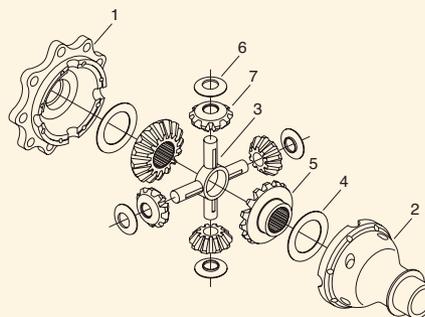


#	DESCRIPTION	P/N	QTY
1	Right Side Housing	93195B	1
2	Left Side Housing	93196B	1
3	Pin	93199	1
4	Spacer	93202	2
5	Large Gear	92758-16-31	2
6	Spacer	93203	2
7	Small Gear	92758-10	2

**6 GEAR OPEN DIFFERENTIAL  
ASSEMBLY P/N 94065**  
2.000" Bearing Journal

Winters® 9" steel differential housing with 6 forged steel gears. For 31 spline axles.  
**BULLET PROOF!**

**ASSEMBLY INCLUDES**



#	DESCRIPTION	P/N	QTY
1	Right Side Housing	93195A	1
2	Left Side Housing	93196A	1
3	Cross Pin	93198	1
4	Spacer	93202	2
5	Large Gear	92758-16-31	2
6	Spacer	93203	4
7	Small Gear	92758-10	4

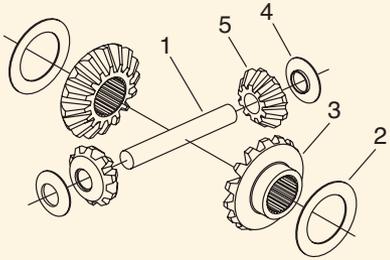
## 4 GEAR SET

33

### SET P/N 93650

Fits OEM Ford® housings.

#### SET INCLUDES



#	DESCRIPTION	P/N	QTY
1	Pin	93199	1
2	Flat Thrust Washer	93202	2
3	Large Gear	92758-16-31	2
4	Spherical Thrust Washer	93203	2
5	Small Gear	92758-10	2

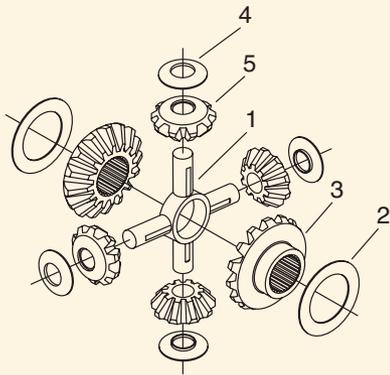


## 6 GEAR SET

### SET P/N 93649

Fits Winters® & OEM Ford® housings.

#### SET INCLUDES



#	DESCRIPTION	P/N	QTY
1	Cross Pin	93198	1
2	Flat Thrust Washer	93202	2
3	Large Gear	92758-16-31	2
4	Spherical Thrust Washer	93203	4
5	Small Gear	92758-10	4



SPIDER GEAR SETS

**SPOOLS**



**WINTERS® MINI SPOOLS**  
 These spools replace the side and spider gears in stock carriers, locking the rear axles together. Aluminum spool is machined from 7075-T6. Steel spool is machined from 4340.

#	DESCRIPTION	ASSEMBLY P/N
1	31 Spline Billet Steel Mini Spool	96725
1	28 Spline Billet Steel Mini Spool	96894
2	31 Spline Aluminum Mini Spool	96725A
2	28 Spline Aluminum Mini Spool	96894A
3	28 Spline Steel Mini Spool	96894-01
3	31 Spline Steel Mini Spool	96725-01
4	28 Spline Aluminum Spool, 1.782" Bearing Journals	95034-06A
4	31 Spline Aluminum Spool, 1.782" Bearing Journals	95034-05A
4	31 Spline Aluminum Spool, 2.000" Bearing Journals	95034-14A
5	28 Spline Steel Spool, 1.782" Bearing Journals	95034-06
5	31 Spline Steel Spool, 1.782" Bearing Journals	95034-05
5	33 Spline Steel Spool, 1.782" Bearing Journals	95034-16
5	31 Spline Steel Spool, 2.000" Bearing Journals	95034-14
5	33 Spline Steel Spool, 2.000" Bearing Journals	95034-17
5	35 Spline Steel Spool, 2.000" Bearing Journals	95034-13
6	31 Spline Forged Steel Full Spool, 1.782" Bearing Journals	95034-15S
6	31 Spline Forged Steel Full Spool, 2.000" Bearing Journals	95034-35S
7	28 Spline Wedgelock, 2.000" Brg Journals (w & w/o Preload)	91793P-28A, 91793-28A
7	28 Spline Wedgelock, 1.782" Brg Journals (w & w/o Preload)	91793P-28B, 91793-28B
7	31 Spline Wedgelock, 2.000" Brg Journals (w & w/o Preload)	91793P-31A, 91793-31A
7	31 Spline Wedgelock, 1.782" Brg Journals (w & w/o Preload)	91793P-31B, 91793-31B
8	28 Spline Aluminum Locker, 1.782" Bearing Journals	91790-28B
8	28 Spline Aluminum Locker, 2.000" Bearing Journals	91790-28A
8	31 Spline Aluminum Locker, 1.782" Bearing Journals	91790-31B
8	31 Spline Aluminum Locker, 2.000" Bearing Journals	91790-31A



**WINTERS® ALUMINUM SPOOL**  
 Get traction to both wheels with this aluminum spool. Replace your heavy cast iron differential with a superior 7075-T6 aluminum spool.



**WINTERS® STEEL SPOOL**  
 Get traction to both wheels with this steel spool. Replace your heavy cast iron differential with a superior 4340 forged steel spool.



**WINTERS® STEEL SPOOL**  
 This forged steel full spool is scalloped and drilled to keep weight at a minimum. Made from stress analyzed heat treated alloy steel for maximum performance.

**DIFFERENTIALS**



**WEDGELOCK**  
 An all gear design which allows the outside wheel to rotate faster than the inner wheel without a lot of resistance under light loads. As more power is applied, the differential becomes tighter. This no maintenance differential is smooth and predictable.



**BILLET ALUMINUM LOCKER**  
 A fully automatic locking differential. It delivers spool type traction on the straightaways yet automatically unlocks in the corners.



## COOLANT PUMP OPTION

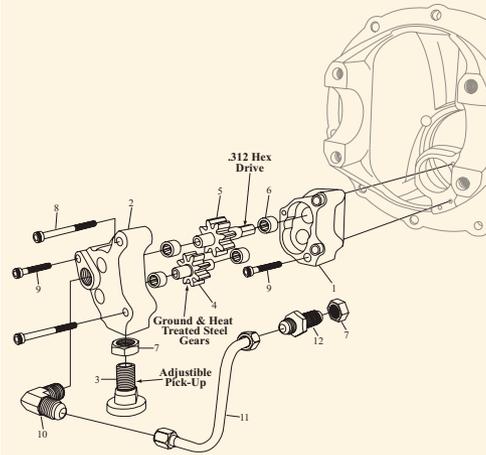
Machining for Pump on Carrier Housing 98295

## ASSEMBLY P/N 94255

- Needle Bearings Throughout
- Adjustable Pick-up Depth
- Ground & Heat Treated Steel Gears
- .312 Hex Drive

### ASSEMBLY INCLUDES

#	DESCRIPTION	P/N	QTY
1	Oil Pump Body	93757	1
2	Oil Pump Cover	93758	1
3	Oil Pick-up Assembly	93761	1
4	Driven Gear	93765DN	1
5	Drive Gear	93765DR	1
6	Mini Roller Bearing	98689	4
7	9/16"-18 Nut	98767	2
8	#10-32 x 2 1/4" SHCS	98775	2
9	#10-32 x 1 1/4" SHCS	98776	1
10	37° Angle Fitting	93972	1
11	Internal Pump Line	93998	1
12	37° Bulkhead Fitting	93971	1



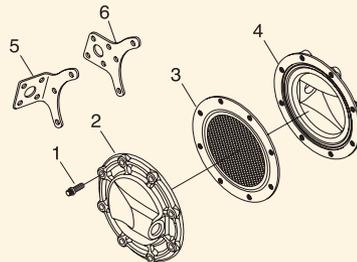
## ALUMINUM FILTER HOUSING

## ASSEMBLY P/N 93720

- Use with Gear Lubes & Oils
- 40 Mesh Filter Screen
- Mounting Bracket can be attached in 8 different positions

### ASSEMBLY INCLUDES

#	DESCRIPTION	P/N	QTY
1	1/4-20 x 1" 12pt	97159	8
2	Screen Half (Drilled)	93393-01	1
3	40 Mesh Filter Screen w/ O'Ring	93838	1
4	Screen Half (Tapped)	93393-02	1
5	90° Mounting Bracket	93398	1
6	Straight Mounting Bracket	93397	1



## DRIVE YOKE



#	DESCRIPTION	P/N
1	Steel Drive Yoke, 1310 Series	<b>92417</b>
2	Aluminum Drive Yoke, 1310 Series	<b>92417A</b>

## HEAVY DUTY YOKE



**P/N 93390**  
 1350 Series Heavy Duty Steel Drive Yoke.  
 (1.1875" x 3.625")

## ADJUSTER NUT



DESCRIPTION	P/N
1.782" / 2.891"	<b>91274</b>
1.782" / 3.062"	<b>92679</b>
2.000" / 3.250"	<b>92680</b>

## ADJUSTER LOCK



#	APPLICATION	P/N
1	91842-01	<b>92413</b>
2	Aluminum / Magnesium 3rd Member	<b>96793</b>
3	91842-03	<b>93207</b>
4	BHCS, Fits All Adjuster Locks	<b>97933</b>

## SHIM KIT



**P/N 91275**  
 These shims are to set pinion depth.  
 .010"-.020", in .001 increments

## DAYTONA PINION RETAINER



#	DESCRIPTION	P/N
1	Billet Aluminum	<b>96897</b>
2	Forged Aluminum	<b>96897-1</b>
3	Steel	<b>92507</b>

## PINION SEAL



DESCRIPTION	P/N
Buna N Seal	<b>97247</b>
Viton Seal	<b>97247V</b>

## PINION PRELOAD SLEEVE



#	DESCRIPTION	P/N
1	Crush Sleeve	<b>92392</b>
2	Solid Sleeve	<b>92969</b>

## PINION LOCK NUT



DESCRIPTION	P/N
Pinion Lock Nut	<b>92222</b>

## HOUSING INSPECTION PLUG



DESCRIPTION	P/N
Inspection Plug	<b>93261</b>

## OIL LEVEL PLUG



#	DESCRIPTION	P/N
1	Level Plug	<b>98082</b>
2	Replacement O'Ring	<b>97454</b>

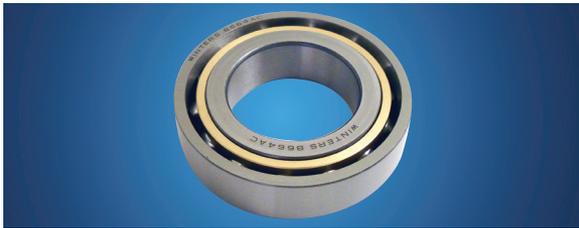
## HOUSING STUDS



Sold Individually

#	DESCRIPTION	P/N
1	Stud	<b>97191</b>
2	Stud	<b>92565</b>

## AC CARRIER BEARING



Angular Contact Bearings with steel balls = More Responsive!

P/N	O.D.	I.D.	OPTION
<b>98664ACS</b>	3.250"	1.781"	98244S-CT

## CARRIER BEARING



DASH #	RACE	BRG	BRG O.D.	BRG I.D.
-01	<b>98603</b>	<b>98602</b>	2.891"	1.781"
-02	<b>98605</b>	<b>98604</b>	3.062"	1.781"
-03	<b>97541</b>	<b>97542</b>	3.250"	2.000"

## PINION BEARING



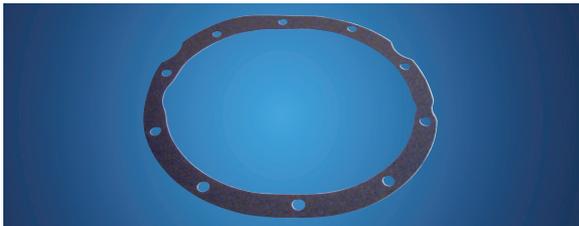
For Daytona Retainer

RACE	#	FRONT	BACK
	1	<b>98622</b>	<b>98623</b>

BEARING	#	FRONT	BACK
	2	<b>97527</b>	<b>97553</b>

#	DESCRIPTION	P/N
3	Pinion Pilot Bearing	<b>97576</b>
4	Pilot Bearing Retainer	<b>92588</b>

## GASKET



DESCRIPTION	P/N
Gasket	<b>91273</b>

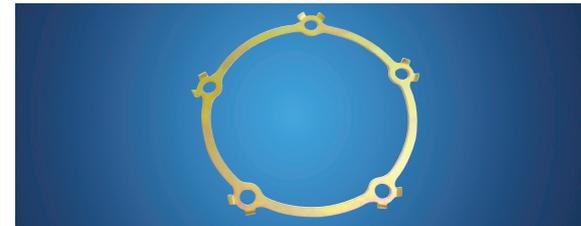
## CARRIER ADAPTER RACE



Adapts 3.250" carrier housing to smaller differential bearings.

P/N	O.D.	I.D.
<b>98663-1</b>	3.250"	3.062"
<b>98664-1</b>	3.250"	2.891"

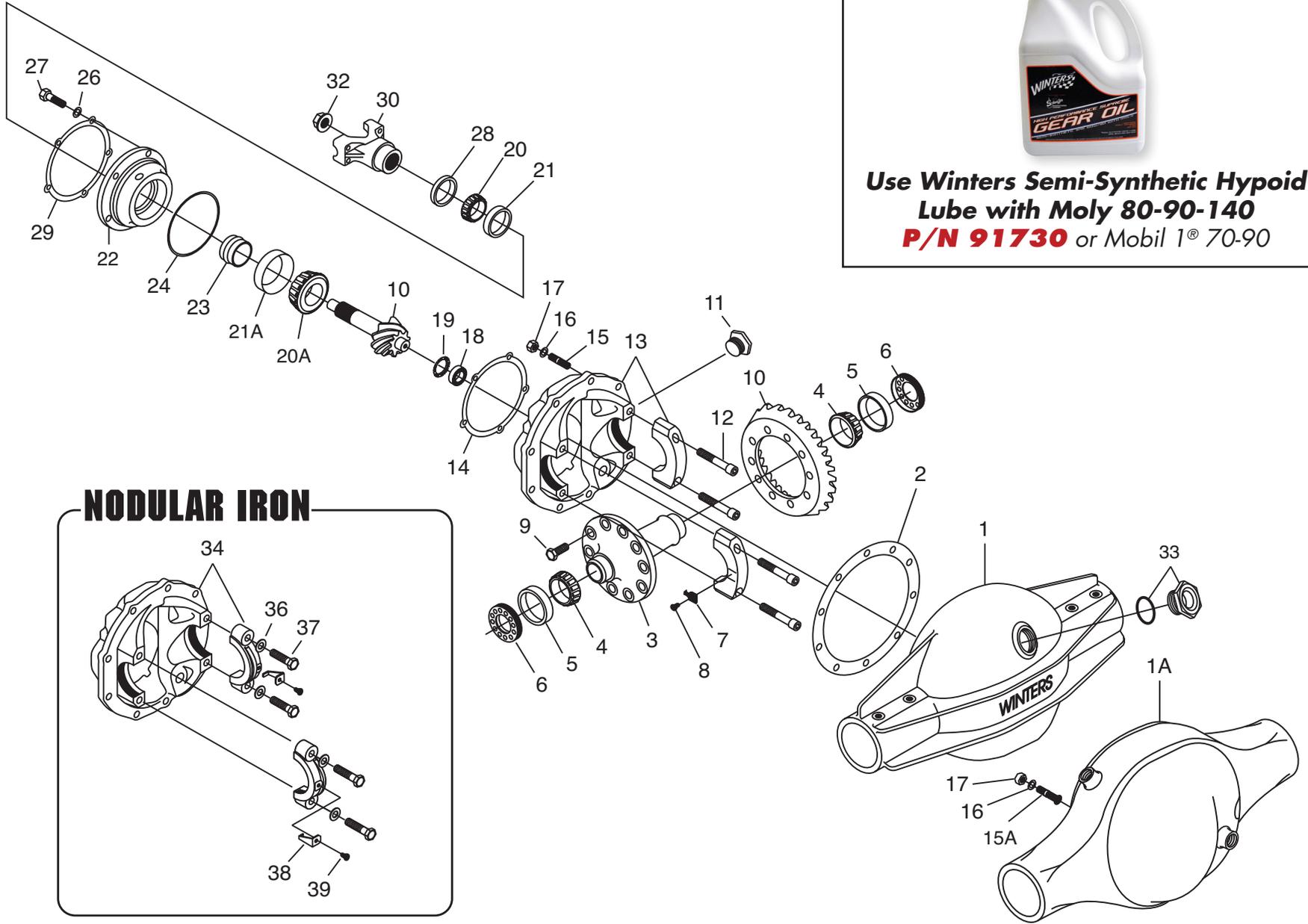
## LOCK RING



P/N **93617**  
Option **98119**

Lock ring prevents pinion retainer bolts from becoming loose.

9" EXPLODED VIEW



Use Winters Semi-Synthetic Hypoid Lube with Moly 80-90-140 P/N 91730 or Mobil 1® 70-90

#	DESCRIPTION	P/N	QTY REQ'D	#	DESCRIPTION	P/N	QTY REQ'D
1*	Aluminum Rear Housing	95243	1	16	3/8" Flat Washer, Rear Housing	97114	10
1*	Magnesium Rear Housing	K95243	1	17	3/8-24 Nylon Locknut, Rear Housing	97882	10
1A	Steel Rear Housing	92465	1	18	Roller Bearing, Pinion Pilot	97576	1
2	Gasket, Rear Housing	91273	1	19	Retainer, Pilot Bearing	92588	1
3*	Spool or Differential (See pages 32-34)	XXXXX	1	20*	Bearing Cone, Pinion Retainer	97527	2
4*	Bearing Cone (See Chart Below)	98602	2	20A*	Large Bearing Cone, Pinion Retainer	97553	2
4*	Bearing Cone (See Chart Below)	98604	2	21*	Bearing Cup, Pinion Retainer	98622	2
4*	Bearing Cone (See Chart Below)	97542	2	21A*	Large Bearing Cup, Pinion Retainer	98623	2
5*	Bearing Cup (See Chart Below)	98603	2	22*	Pinion Retainer, Aluminum, Daytona	96897	1
5*	Bearing Cup (See Chart Below)	98605	2	22*	Pinion Retainer, Steel, Daytona	92507	1
5*	Bearing Cup (See Chart Below)	97541	2	23*	Crush Sleeve	92392	1
6*	Adjuster Nut, Carrier Bearings, 2.891" O.D.	91274	2	23*	Solid Sleeve (Machine to Length)	92969	1
6*	Adjuster Nut, Carrier Bearings, 3.062" O.D.	92679	2	24	O'Ring	98407	1
6*	Adjuster Nut, Carrier Bearings, 3.250" O.D.	92680	2	26	3/8" Flat Washer	97151	5
7	Locking Tab, Adjusting Nut, Mag/Aluminum	96793	2	27	3/8-16 x 1 1/4" HHCS	97107	5
8	5/16-18 x 3/8" BHCS, Locking Tab (for 96793)	97933	2	28	Seal, Pinion Retainer	97247	1
9	7/16-20 Ring Gear Bolt (Special)	97934	10	29*	Lock Ring	93617	1
10*	Ring & Pinion	945XXX	1	30	28 Spline Drive Yoke, Stock Pinion	96900	1
11	Level Plug	98082	1	32	Pinion Lock Nut	92222	1
12*	1/2" Diameter Bearing Cap Bolt	97932	4	33	Large Inspection Plug with O'Ring	96858	1
13*	Aluminum 3rd Member (See Chart Below for Size)	96791-03	1	34*	Nodular Iron 3rd Member (See Chart Below for Size)	91842-03	1
13*	Magnesium 3rd Member	K96791-03	1	36	1/2" Washer	98023	4
14	Shim Kit, Pinion Retainer	91275	1	37	1/2-13 x 2 3/4" HHCS, Bearing Cap	98738	4
15	3/8" Stud, Threaded, Rear Housing	97191	10	38	Locking Tab, Adjusting Nut	92413	2
15A	3/8" Stud, Flanged, Rear Housing	92565	10	39	5/16-18 x 3/8" BHCS, Locking Tab (for 92413)	97933	2

\*Part numbers in this list may vary depending on options ordered at time of purchase.

## CARRIER BEARINGS

DASH #	RACE	BRG	BRG O.D.	BRG I.D.
-01	98603	98602	2.891"	1.781"
-02	98605	98604	3.062"	1.781"
-03	97541	97542	3.250"	2.000"

5 ON 5" & 5 ON 4 3/4"



**CROWN SPLINE DRIVE FLANGE**  
P/N 92356



A true crown that works! Has many of the ball drive virtues. Requires using Winters® crown splined axles (Page 24). Works with cambered and straight axles. Fits 5 on 5" & 5 on 4 3/4" hubs.  
O'Ring P/N 97472, Bullet Cap P/N 92353, Bolts for Cap P/N 97986



**PRESS-IN STUDS**  
KIT P/N 98940  
(Not Sold Individually)

Option 99113 Installed In Hub

Need longer studs? This kit includes five replacement studs, 1" longer with quick start lug nut pilot. Size: 5/8-11 x 4"



**SCREW-IN STUDS**  
KIT P/N 98941  
(Not Sold Individually)  
Option 99114 Installed In Hub

Size:  
5/8-11 x  
2 7/8"

5 ON 5" ASSEMBLY

P/N 92255C Coarse Thread Studs  
P/N 92255F Fine Thread Studs

5 ON 4 3/4" ASSEMBLY

P/N 92566C Coarse Thread Studs  
P/N 92566F Fine Thread Studs

Investment cast 4140 heat treated steel. Complete assembly, including 24 spline drive flange, weighs 17 lbs 14 oz (hub and drive flange only, 9 lbs 10 oz). Fits 2 1/2" Grand National spindle (See Page 18).

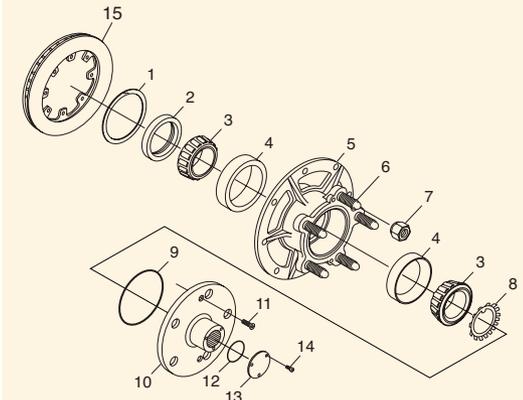


Option 99120 Platinum Series 91750 Hub

The superior quality of this 5 on 5 hub is unmatched! This investment cast, 4140 heat treated steel hub, featuring 2 3/4" long studs, is available as a premium upgrade to our standard 5 on 5 hubs.

**ANGULAR CONTACT BEARINGS**  
with Steel Balls Option 98254S-25  
**LOW FRICTION SEAL**  
Option 99122

ASSEMBLY INCLUDES



#	DESCRIPTION	P/N	QTY
1	Retaining Ring	97644	1
2	Seal	*97201	1
2	Seal, Low Friction	*97201LF	1
3	Bearing Cone	97301	2
4	Bearing Cup	97302	2
5	Hub, 5 on 5"	91750	1
5	Hub, 5 on 4 3/4"	91750-475	1
6	5/8-18 x 3" Stud, Fine	91684	5
6	5/8-11 x 3" Stud, Coarse	91755	5
6	5 on 4 3/4" Stud, Fine	92884F	5
6	5 on 4 3/4" Stud, Coarse	92884C	5
7	5/8-11 Lug Nut	95712	5
8	Bearing Lock Washer	97118	1
9	O'Ring, Hub, 5 on 5"	97478	1
9	O'Ring, Hub, 5 on 4 3/4"	97494	1
10	Flange, 5 on 5"	91680	1
10	Flange, 5 on 4 3/4"	91680-475	1
11	5/16-18 x 5/8" FHCS	97913	2
12	O'Ring, Dust Cap	97479	1
13	Red Dust Cap	91726	1
14	10-24 x 3/8" SHCS	97938	3
15	Rotor Option	See Chart	

\* P/N may vary depending on options ordered.

ROTOR OPTIONS (Additional Charge)

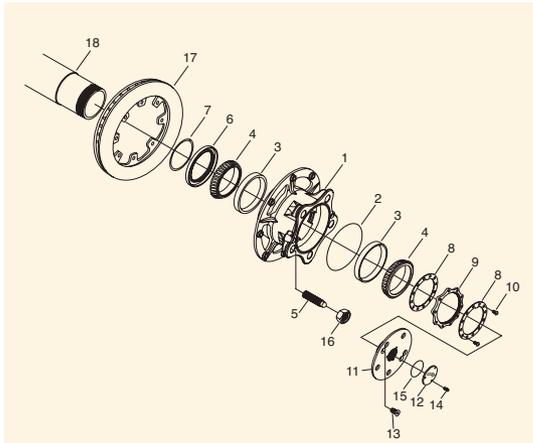
ROTOR P/N	DIMENSION	OPTION
92394	.810" x 12 1/8"	98240
92394GM	.810" x 11 3/4"	98241
96608GM	1 1/4" x 11 3/4"	98243

ROTOR P/N	DIMENSION	OPTION
96608GML	1 1/4" x 11 3/4"	*98243L
92394GML	.810" x 11 3/4"	*98241L

\* Drilled Rotor

Rotor options applicable with hub assembly purchase only.

## ASSEMBLY INCLUDES



#	DESCRIPTION	P/N	QTY
1	Rear Hub	<b>93601</b>	1
2	O'Ring	<b>98423</b>	1
3	Bearing Cup	<b>98682-2</b>	2
4	Bearing Cone	<b>98682-1</b>	2
5	5/8-11 Stud, Coarse	<b>93596C</b>	5
5	5/8-11 Stud, Fine	<b>92884F</b>	5
6	Oil Seal	<b>97284V</b>	1
7	Retaining Ring	<b>98349</b>	1
8	Washer	<b>93273</b>	2
9	Spindle Nut	<b>93271</b>	1
10	10-24 x 3/8" BHCS	<b>98740</b>	2
11	Drive Flange	<b>93602</b>	1
12	Drive Flange Cap	<b>91726</b>	1
13	5/16-18 x 5/8" FHCS	<b>97913</b>	2
14	10-24 x 3/8" SHCS	<b>97938</b>	3
15	O'Ring	<b>97479</b>	1
16	5/8-11 x 1" Lug Nut	<b>95712</b>	5
17	Rotor Option	<b>See Chart</b>	
18	2 7/8" 5 x 5 Steel Tube	<b>*93916</b>	1

\* For Reference Only. Not Included In Assembly

**P/N 93935C** Coarse Thread Studs  
**P/N 93935F** Fine Thread Studs

Stronger, Lighter, Better Balance & Less Drag! You get all this from the Pro Eliminator 2 7/8" hub assembly with inverted drive flange. This assembly utilizes XXL tapered bearings and races, or optional angular contact bearings, which results in a lighter, faster hub with less drag. The inverted drive flange allows you to use shorter axles and it fits 2 7/8" hubs. Hub assembly uses a standard eight bolt rotor.

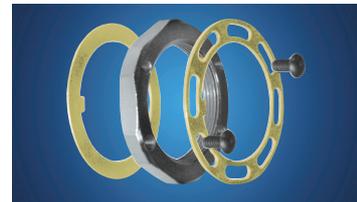


### INVERTED DRIVE FLANGE P/N 93602

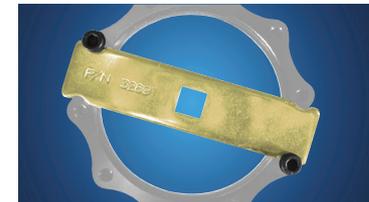


Stronger, Lighter, Better Balance!  
 The Pro Eliminator inverted drive flange uses shorter axles and fits 2 7/8" hubs.

### SPINDLE LOCK KIT P/N 94301 Aluminum P/N 94301S Steel



### SPINDLE NUT WRENCH PLATE P/N 93269



### DUST CAP REPLACEMENT KIT KIT P/N 94310



Use Winters Semi-Synthetic Hypoid Lube with Moly 80-90-140 **P/N 91730** or Mobil 1® 70-90

### ROTOR OPTIONS (Additional Charge)

ROTOR P/N	DIMENSION	OPTION
92394	.810" x 12 1/8"	98240
92394GM	.810" x 11 3/4"	98241
96608GM	1 1/4" x 11 3/4"	98243

ROTOR P/N	DIMENSION	OPTION
96608GML	1 1/4" x 11 3/4"	*98243L
92394GML	.810" x 11 3/4"	*98241L

\* Drilled Rotor

Rotor options applicable with hub assembly purchase only.

# 007 WIDE 5 - REAR

## 8 BOLT REAR KIT

KIT P/N **K94045X8** Magnesium

KIT P/N **94045X8** Aluminum



## 5 BOLT REAR KIT

KIT P/N **K94045** Magnesium

KIT P/N **94045** Aluminum



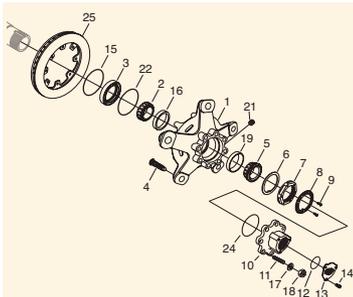
## ROTOR OPTIONS (Additional Charge)

ROTOR P/N	DIMENSION	OPTION
92394	.810" x 12 1/8"	98240
92394GM	.810" x 11 3/4"	98241
96608GM	1 1/4" x 11 3/4"	98243
96608GML	1 1/4" x 11 3/4"	*98243L
92394GML	.810" x 11 3/4"	*98241L

\*Drilled Rotor

Rotor options applicable with hub assembly purchase only.

## KIT INCLUDES



### HUB WITH RACES & STUDS

P/N **K9007X8** Magnesium, Gundrilled Studs

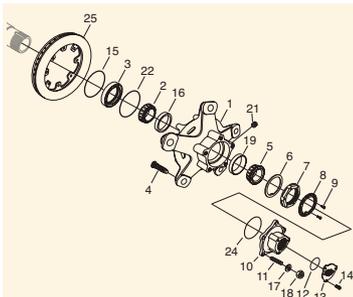
P/N **K9007SX8** Magnesium, Solid Studs

P/N **9007X8** Aluminum, Gundrilled Studs

P/N **9007SX8** Aluminum, Solid Studs

#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub, Magnesium	<b>K9007X8</b>	1	13	Flat Cap	<b>93117</b>	1
1	Hub, Aluminum	<b>9007X8</b>	1	14	1/4-20 x 1/2" 12pt	<b>97158</b>	3
2	Inner Cone	<b>97324</b>	1	15	Retaining Ring	<b>98328</b>	1
3	Seal	<b>97210V</b>	1	16	Inner Bearing Cup	<b>97322</b>	1
4	Stud, Gundrilled	<b>95688H</b>	5	17	Washer	<b>97811</b>	8
5	Outer Cone	<b>97325</b>	1	18	Nut	<b>97177N</b>	8
6	Washer	<b>91664</b>	1	19	Outer Bearing Cup	<b>97323</b>	1
7	Nut, Aluminum	<b>95101AT</b>	1	21	Plug	<b>97874</b>	1
8	Lockwasher	<b>91665</b>	1	22	O'Ring	<b>98430</b>	1
9	10-24 x 3/8" SHCS	<b>97938</b>	2	23	Gasket	<b>95144</b>	1
10	Drive Flange	<b>95102-02</b>	1	24	Flange Locator O'Ring	<b>97490</b>	1
11	Stud	<b>92266</b>	8	25	Rotor Option	<b>See Below</b>	
12	O'Ring	<b>97417</b>	1				

## KIT INCLUDES



### HUB WITH RACES & STUDS

P/N **K9007** Magnesium, Gundrilled Studs

P/N **K9007S** Magnesium, Solid Studs

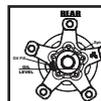
P/N **9007** Aluminum, Gundrilled Studs

P/N **9007S** Aluminum, Solid Studs

#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub, Magnesium	<b>K9007</b>	1	13	Flat Cap	<b>93117</b>	1
1	Hub, Aluminum	<b>9007</b>	1	14	1/4-20 x 1/2" 12pt	<b>97158</b>	3
2	Inner Cone	<b>97324</b>	1	15	Retaining Ring	<b>98328</b>	1
3	Seal	<b>97210V</b>	1	16	Inner Bearing Cup	<b>97322</b>	1
4	Stud, Gundrilled	<b>95688H</b>	5	17	Washer	<b>97811</b>	8
5	Outer Cone	<b>97325</b>	1	18	Nut	<b>97177N</b>	8
6	Washer	<b>91664</b>	1	19	Outer Bearing Cup	<b>97323</b>	1
7	Nut, Aluminum	<b>95101AT</b>	1	21	Plug	<b>97874</b>	1
8	Lockwasher	<b>91665</b>	1	22	O'Ring	<b>98430</b>	1
9	10-24 x 3/8" SHCS	<b>97938</b>	2	23	Gasket	<b>95144</b>	1
10	Drive Flange	<b>95102-5</b>	1	24	Flange Locator O'Ring	<b>97490</b>	1
11	Stud	<b>92266</b>	8	25	Rotor Option	<b>See Below</b>	
12	O'Ring	<b>97417</b>	1				

## AVAILABLE OPTIONS

Titanium Wheel Studs	98204
Titanium Wheel Studs, Gundrilled	98204H
REM® Polished Tapered Bearings	98218S-W5
Angular Contact Bearings with Steel Balls	98254S-W5
Aluminum Crown Spline Drive Flange, 5 Bolt	98283X5
Aluminum Crown Spline Drive Flange, 8 Bolt	98283X8
Titanium Drive Flange Studs, 5 Bolt	98284X5
Titanium Drive Flange Studs, 8 Bolt	98284X8



### IMPORTANT!

#### PROPER OIL LEVEL IS CRITICAL

See page 63 for filling & oil level instructions. Use Winters® P/N 91730 SAE 80W/90 or Mobil 1® 75-90 Oil.

## 5 BOLT DRIVE FLANGE



Standard on 94045 hub kits.  
**P/N 93230-55**

## 8 BOLT DRIVE FLANGE

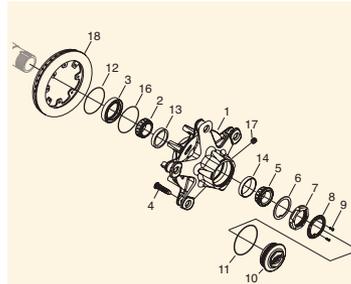


Standard on 94045X8 hub kits.  
**P/N 93230-55X8**

**SCREW-ON CAP FRONT KIT**  
 KIT P/N **K94045F** Magnesium  
 KIT P/N **94045F** Aluminum

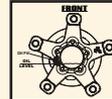


**KIT INCLUDES**



#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub, Magnesium	<b>K9007F</b>	1	9	10-24 x 3/8" SHCS	<b>97938</b>	2
1	Hub, Aluminum	<b>9007F</b>	1	10	Screw-On Cap	<b>93929</b>	1
2	Inner Cone	<b>97324</b>	1	11	O'Ring	<b>97439</b>	1
3	Seal	<b>97210V</b>	1	12	Retaining Ring	<b>98328</b>	1
4	Stud, Gundrilled	<b>95688H</b>	5	13	Inner Bearing Cup	<b>97322</b>	1
5	Outer Cone	<b>97325</b>	1	14	Outer Bearing Cup	<b>97323</b>	1
6	Washer	<b>91664</b>	1	16	O'Ring	<b>98430</b>	1
7	Nut, Aluminum	<b>95101AT</b>	1	17	Plug	<b>97874</b>	1
8	Lockwasher	<b>91665</b>	1	18	Rotor Option	<b>See Below</b>	

**HUB WITH RACES & STUDS**  
 P/N **K9007X8** Magnesium, Gundrilled Studs  
 P/N **K9007SX8** Magnesium, Solid Studs  
 P/N **9007X8** Aluminum, Gundrilled Studs  
 P/N **9007SX8** Aluminum, Solid Studs

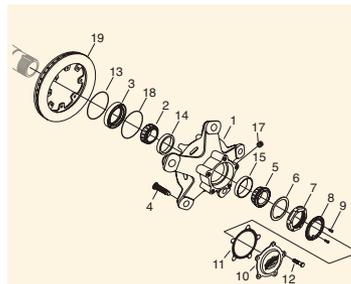


**IMPORTANT!**  
**PROPER OIL LEVEL IS CRITICAL**  
 See page 63 for filling & oil level instructions. Use Winters®  
 P/N 91730 SAE 80W/90 or Mobil 1® 75-90 Oil.

**5 BOLT FRONT KIT**  
 KIT P/N **K94045FBO** Magnesium  
 KIT P/N **94045FBO** Aluminum

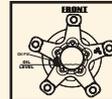


**KIT INCLUDES**



#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub, Magnesium	<b>K9007</b>	1	10	Bolt-On Cap	<b>95094-5</b>	1
1	Hub, Aluminum	<b>9007</b>	1	11	Gasket	<b>93177</b>	1
2	Inner Cone	<b>97324</b>	1	12	7/16-14 x 1 1/4" HHCS	<b>97117</b>	5
3	Seal	<b>97210V</b>	1	13	Retaining Ring	<b>98328</b>	1
4	Stud, Gundrilled	<b>95688H</b>	5	14	Inner Bearing Cup	<b>97322</b>	1
5	Outer Cone	<b>97325</b>	1	15	Outer Bearing Cup	<b>97323</b>	1
6	Washer	<b>91664</b>	1	17	Plug	<b>97874</b>	1
7	Nut, Aluminum	<b>95101AT</b>	1	18	O'Ring	<b>98430</b>	1
8	Lockwasher	<b>91665</b>	1	19	Rotor Option	<b>See Below</b>	
9	10-24 x 3/8" SHCS	<b>97938</b>	2				

**HUB WITH RACES & STUDS**  
 P/N **K9007** Magnesium, Gundrilled Studs  
 P/N **K9007S** Magnesium, Solid Studs  
 P/N **9007** Aluminum, Gundrilled Studs  
 P/N **9007S** Aluminum, Solid Studs



**IMPORTANT!**  
**PROPER OIL LEVEL IS CRITICAL**  
 See page 63 for filling & oil level instructions. Use Winters®  
 P/N 91730 SAE 80W/90 or Mobil 1® 75-90 Oil.

**ROTOR OPTIONS** (Additional Charge)

ROTOR P/N	DIMENSION	OPTION
92394	.810" x 12 1/8"	98240
92394GM	.810" x 11 3/4"	98241
96608GM	1 1/4" x 11 3/4"	98243
96608GML	1 1/4" x 11 3/4"	*98243L
92394GML	.810" x 11 3/4"	*98241L

\*Drilled Rotor

Rotor options applicable with hub assembly purchase only.

**AVAILABLE OPTIONS**

Titanium Wheel Studs	98204
Titanium Wheel Studs, Gundrilled	98204H
REM® Polished Tapered Bearings	98218S-W5
Angular Contact Bearings with Steel Balls	98254S-W5
Aluminum Crown Spline Drive Flange, 5 Bolt	98283X5
Aluminum Crown Spline Drive Flange, 8 Bolt	98283X8
Titanium Drive Flange Studs, 5 Bolt	98284X5
Titanium Drive Flange Studs, 8 Bolt	98284X8

**5 BOLT CROWN SPLINE**



Option 98283X5  
**P/N 91279AX5**

**8 BOLT CROWN SPLINE**



Option 98283X8  
**P/N 91279A**

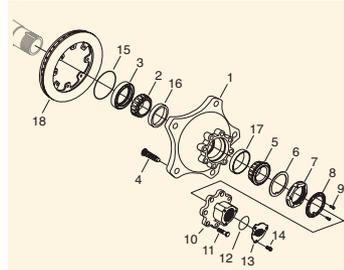
# MAGNESIUM WIDE 5

# HUB ASSEMBLIES

## 8 BOLT REAR KIT KIT P/N K93752



### KIT INCLUDES

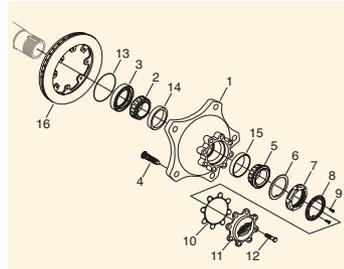


#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub	<b>K96955HD</b>	1	10	Drive Flange	<b>95102-02F</b>	1
2	Inner Cone	<b>97324</b>	1	11	7/16-14 x 1 1/4" HHCS	<b>97117</b>	8
3	Seal	<b>97210</b>	1	12	O'Ring	<b>97417</b>	1
4	Stud, Gundrilled	<b>95688H</b>	5	13	Flat Cap	<b>93117</b>	1
5	Outer Cone	<b>97325</b>	1	14	1/4-20 x 1/2" 12pt	<b>97158</b>	3
6	Washer	<b>91664</b>	1	15	Retaining Ring	<b>98328</b>	1
7	Nut, Aluminum	<b>95101AT</b>	1	16	Inner Bearing Cup	<b>97322</b>	1
8	Lockwasher	<b>91665</b>	1	17	Outer Bearing Cup	<b>97323</b>	1
9	10-24 x 3/8" SHCS	<b>97938</b>	2	18	Rotor Option	<b>See Below</b>	

## 8 BOLT FRONT KIT KIT P/N K93752F-8



### KIT INCLUDES



#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub	<b>K96955HD</b>	1	9	10-24 x 3/8" SHCS	<b>97938</b>	2
2	Inner Cone	<b>97324</b>	1	10	Gasket	<b>95144</b>	1
3	Seal	<b>97210</b>	1	11	Cap	<b>95094</b>	1
4	Stud, Gundrilled	<b>95688H</b>	5	12	7/16-14 x 1 1/4" HHCS	<b>97117</b>	8
5	Outer Cone	<b>97325</b>	1	13	Retaining Ring	<b>98328</b>	1
6	Washer	<b>91664</b>	1	14	Inner Bearing Cup	<b>97322</b>	1
7	Nut, Aluminum	<b>95101AT</b>	1	15	Outer Bearing Cup	<b>97323</b>	1
8	Lockwasher	<b>91665</b>	1	16	Rotor Option	<b>See Below</b>	

## 8 BOLT FRONT & REAR

You decide which is best for your application.



**P/N K96084**

This heavy duty, full rim magnesium hub is as tough as it looks! Ideal for tabbed wheels and steel wheels. 10 lbs 8 oz



**P/N 96755**

This five sided, aluminum permanent mold hub works well with tabbed wheels and steel wheels. Complete with races, studs and lug nuts. 8 lbs 12 oz

### ROTOR OPTIONS (Additional Charge)

ROTOR P/N	DIMENSION	OPTION
92394	.810" x 12 1/8"	98240
92394GM	.810" x 11 3/4"	98241
96608GM	1 1/4" x 11 3/4"	98243
96608GML	1 1/4" x 11 3/4"	*98243L
92394GML	.810" x 11 3/4"	*98241L

*\*Drilled Rotor*

Rotor options applicable with hub assembly purchase only.

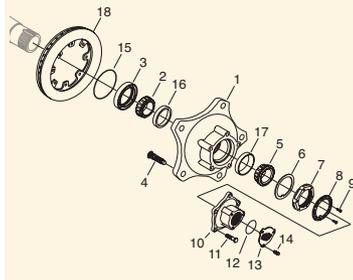
### AVAILABLE OPTIONS

Titanium Wheel Studs	98204
Titanium Wheel Studs, Gundrilled	98204H
Thermal Dispersant Coating	98208-H
Aluminum Crown Spline Drive Flange, 5 Bolt	98283X5
Aluminum Crown Spline Drive Flange, 8 Bolt	98283X8
Titanium Drive Flange Studs, 5 Bolt	98284X5
Titanium Drive Flange Studs, 8 Bolt	98284X8
Aluminum Drive Flange, 5 Bolt	98297X5
Aluminum Drive Flange, 8 Bolt	98297X8

## 5 BOLT REAR KIT KIT P/N K93751



### KIT INCLUDES

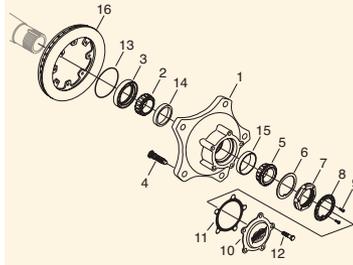


#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub	<b>K93226</b>	1	10	Drive Flange	<b>95102-5</b>	1
2	Inner Cone	<b>97324</b>	1	11	7/16-14 x 1 1/4" HHCS	<b>97117</b>	5
3	Seal	<b>97210</b>	1	12	O'Ring	<b>97417</b>	1
4	Stud, Gundrilled	<b>95688H</b>	5	13	Flat Cap	<b>93117</b>	1
5	Outer Cone	<b>97325</b>	1	14	1/4-20 x 1/2" 12pt	<b>97158</b>	3
6	Washer	<b>91664</b>	1	15	Retaining Ring	<b>98328</b>	1
7	Nut, Aluminum	<b>95101AT</b>	1	16	Inner Bearing Cup	<b>97322</b>	1
8	Lockwasher	<b>91665</b>	1	17	Outer Bearing Cup	<b>97323</b>	1
9	10-24 x 3/8" SHCS	<b>97938</b>	2	18	Rotor Option	<b>See Page 44</b>	

## 5 BOLT FRONT KIT KIT P/N K93751F



### KIT INCLUDES

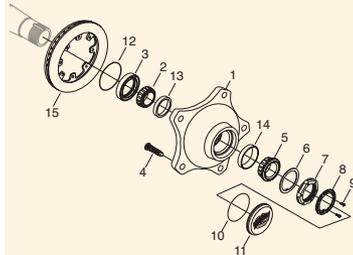


#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub	<b>K93226</b>	1	9	10-24 x 3/8" SHCS	<b>97938</b>	2
2	Inner Cone	<b>97324</b>	1	10	Cap	<b>95094-5</b>	1
3	Seal	<b>97210</b>	1	11	Gasket	<b>93177</b>	1
4	Stud, Gundrilled	<b>95688H</b>	5	12	7/16-14 x 1 1/4" HHCS	<b>97117</b>	8
5	Outer Cone	<b>97325</b>	1	13	Retaining Ring	<b>98328</b>	1
6	Washer	<b>91664</b>	1	14	Inner Bearing Cup	<b>97322</b>	1
7	Nut, Aluminum	<b>95101AT</b>	1	15	Outer Bearing Cup	<b>97323</b>	1
8	Lockwasher	<b>91665</b>	1	16	Rotor Option	<b>See Page 44</b>	

## PUSH-IN CAP FRONT KIT KIT P/N K93752F



### KIT INCLUDES



#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub	<b>K96955FHD</b>	1	9	10-24 x 3/8" SHCS	<b>97938</b>	2
2	Inner Cone	<b>97324</b>	1	10	O'Ring	<b>97417</b>	1
3	Seal	<b>97210</b>	1	11	Cap	<b>91614</b>	1
4	Stud, Gundrilled	<b>95688H</b>	5	12	Retaining Ring	<b>98328</b>	1
5	Outer Cone	<b>97325</b>	1	13	Inner Bearing Cup	<b>97322</b>	1
6	Washer	<b>91664</b>	1	14	Outer Bearing Cup	<b>97323</b>	1
7	Nut, Aluminum	<b>95101AT</b>	1	15	Rotor Option	<b>See Page 44</b>	
8	Lockwasher	<b>91665</b>	1				

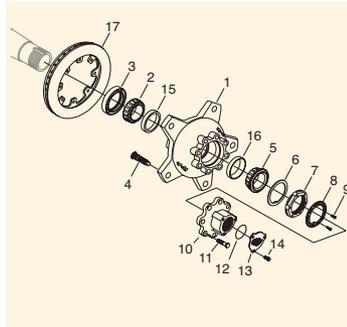
# ALUMINUM WIDE 5

# HUB ASSEMBLIES

## 8 BOLT REAR KIT KIT P/N 93754

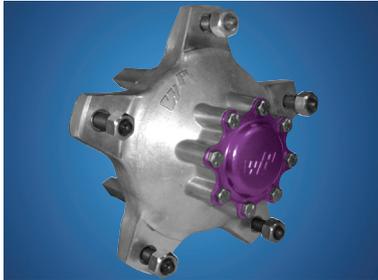


### KIT INCLUDES

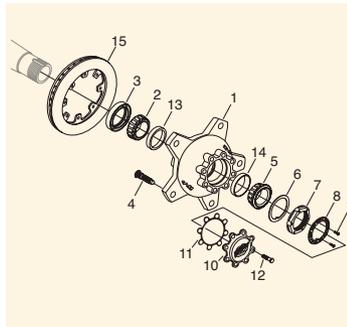


#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub	96690	1	10	Drive Flange	95102-02F	1
2	Inner Cone	97324	1	11	7/16-14 x 1 1/4" HHCS	97117	8
3	Seal	97210	1	12	O'Ring	97417	1
4	Stud, Solid	95688	5	13	Flat Cap	93117	1
5	Outer Cone	97325	1	14	1/4-20 x 1/2" 12pt	97158	3
6	Washer	91664	1	15	Inner Bearing Cup	97322	1
7	Nut, Aluminum	95101AT	1	16	Outer Bearing Cup	97323	1
8	Lockwasher	91665	1	17	Rotor Option	See Below	
9	10-24 x 3/8" SHCS	97938	2				

## 8 BOLT FRONT KIT KIT P/N 93754F



### KIT INCLUDES



#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub	96690	1	9	10-24 x 3/8" SHCS	97938	2
2	Inner Cone	97324	1	10*	Cap	95094-Color	1
3	Seal	97210	1	11	Gasket	95144	1
4	Stud, Solid	95688	5	12	7/16-14 x 1 1/4" HHCS	97117	8
5	Outer Cone	97325	1	13	Inner Bearing Cup	97322	1
6	Washer	91664	1	14	Outer Bearing Cup	97323	1
7	Nut, Aluminum	95101AT	1	15	Rotor Option	See Below	
8	Lockwasher	91665	1				

\*Specify Color (See Page 50)

### AVAILABLE OPTIONS

Titanium Wheel Studs	98204	Titanium Drive Flange Studs, 5 Bolt	98284X5
Titanium Wheel Studs, Gundrilled	98204H	Titanium Drive Flange Studs, 8 Bolt	98284X8
Thermal Dispersant Coating	98208-H	Aluminum Drive Flange, 5 Bolt	98297X5
Aluminum Crown Spline Drive Flange, 5 Bolt	98283X5	Aluminum Drive Flange, 8 Bolt	98297X8
Aluminum Crown Spline Drive Flange, 8 Bolt	98283X8		

### THERMAL DISPERSANT

#### OPTION 98208-9

A black, baked on, durable, impregnated coating. Reduces oil temperature 20° F and more!

### ROTOR OPTIONS (Additional Charge)

ROTOR P/N	DIMENSION	OPTION	ROTOR P/N	DIMENSION	OPTION
92394	.810" x 12 1/8"	98240	96608GML	1 1/4" x 11 3/4"	*98243L
92394GM	.810" x 11 3/4"	98241	92394GML	.810" x 11 3/4"	*98241L
96608GM	1 1/4" x 11 3/4"	98243			

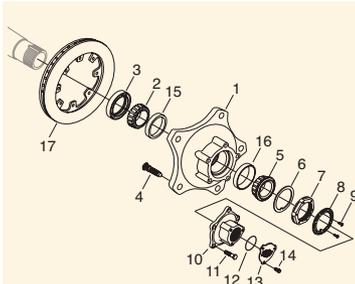
\* Drilled Rotor

Rotor options applicable with hub assembly purchase only.

**5 BOLT REAR KIT  
KIT P/N 93755**



**KIT INCLUDES**

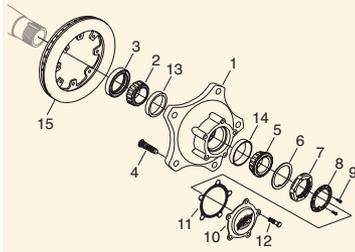


#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub	96606-X5	1	10	Drive Flange	95102-5	1
2	Inner Cone	97324	1	11	7/16-14 x 1 1/4" HHCS	97117	5
3	Seal	97210	1	12	O'Ring	97417	1
4	Stud, Solid	95688	5	13	Flat Cap	93117	1
5	Outer Cone	97325	1	14	1/4-20 x 1/2" 12pt	97158	3
6	Washer	91664	1	15	Inner Bearing Cup	97322	1
7	Nut, Aluminum	95101AT	1	16	Outer Bearing Cup	97323	1
8	Lockwasher	91665	1	17	Rotor Option	See Page 46	
9	10-24 x 3/8" SHCS	97938	2				

**5 BOLT FRONT KIT  
KIT P/N 93756**



**KIT INCLUDES**

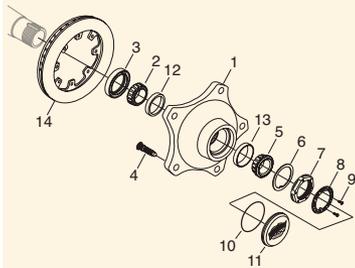


#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub	96605-X5	1	9	10-24 x 3/8" SHCS	97938	2
2	Inner Cone	97324	1	10	Cap	95094-5	1
3	Seal	97210	1	11	Gasket	93177	1
4	Stud, Solid	95688	5	12	7/16-14 x 1 1/4" HHCS	97117	5
5	Outer Cone	97325	1	13	Inner Bearing Cup	97322	1
6	Washer	91664	1	14	Outer Bearing Cup	97323	1
7	Nut, Aluminum	95101AT	1	15	Rotor Option	See Page 46	
8	Lockwasher	91665	1				

**PUSH-IN CAP FRONT KIT  
KIT P/N 93755F**



**KIT INCLUDES**



#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub	96606-FX5	1	9	10-24 x 3/8" SHCS	97938	2
2	Inner Cone	97324	1	10	O'Ring	97471	1
3	Seal	97210	1	11	Cap	91614-01	1
4	Stud, Solid	95688	5	12	Inner Bearing Cup	97322	1
5	Outer Cone	97325	1	13	Outer Bearing Cup	97323	1
6	Washer	91664	1	14	Rotor Option	See Page 46	
7	Nut, Aluminum	95101AT	1				
8	Lockwasher	91665	1				

**HUB ASSEMBLIES**

## ALUMINUM DRIVE FLANGE



P/N 93117 Flat Cap  
 \*P/N 95102-02F Flange  
 P/N 97117 HHCS (Flange) (8 Needed)  
 P/N 97158 12pt (Flat Cap)  
 P/N 97417 O'Ring  
 \*Available In Black, Red & Gold

### ASSEMBLY P/N 93215

Forged 7075-T6 aluminum 8 bolt drive flange with removable cap. Not for cambered spindles. The lightest drive flange available. Uses 31/24 spline axles.

## ALUMINUM DRIVE FLANGE



P/N 93117 Flat Cap  
 P/N 95102-5 Flange  
 P/N 97117 HHCS (Flange) (5 Needed)  
 P/N 97158 12pt (Flat Cap)  
 P/N 97417 O'Ring

### ASSEMBLY P/N 93230

Forged 7075-T6 aluminum 5 bolt drive flange with removable cap. Not for cambered spindles. Uses 31/24 spline axles.

## ALUMINUM DRIVE FLANGE



P/N 93117 Flat Cap  
 P/N 95102-55 Flange  
 P/N 97117 HHCS (Flange) (5 Needed)  
 P/N 97158 12pt (Flat Cap)  
 P/N 97417 O'Ring  
 P/N 97490 Flange Locator O'Ring

### ASSEMBLY P/N 93230-55 (5 Bolt)

Specifically designed for oil filled hubs, this forged 7075-T6 aluminum drive flange works on all wide 5 hubs. Extended locator lip with o'ring helps keep drive flange from loosening up and eliminates the need for gaskets or seals.

## ALUMINUM DRIVE FLANGE



P/N 93117 Flat Cap  
 P/N 95102-02 Flange  
 P/N 97117 HHCS (Flange) (5 Needed)  
 P/N 97158 12pt (Flat Cap)  
 P/N 97417 O'Ring  
 P/N 97490 Flange Locator O'Ring

### ASSEMBLY P/N 93230-55X8 (8 Bolt)

Specifically designed for oil filled hubs, this forged 7075-T6 aluminum drive flange works on all wide 5 hubs. Extended locator lip with o'ring helps keep drive flange from loosening up and eliminates the need for gaskets or seals.

## CROWN SPLINE



P/N 91197 Screw-On Cap  
 P/N 92231 Flange  
 P/N 97117 HHCS (Flange) (8 Needed)  
 P/N 97419 O'Ring  
 P/N 97745 Grease Fitting

### ASSEMBLY P/N 92383

Steel drive flange with aluminum screw-on cap. Pre-drilled to be safety wired. Never strip your splines again. Uses Winters® crown spline axles, solid or gundrilled.

## BALL DRIVE



P/N 91408 Flat Cap  
 P/N 91404 Flange  
 P/N 97116 HHCS (Flange) (8 Needed)  
 P/N 97472 O'Ring  
 P/N 97545 Grease Fitting  
 P/N 97963 Flat Cap SHCS (3 Needed)

### ASSEMBLY P/N 91414

Made from heat treated steel for the ultimate in strength, durability and smooth operation. Will work at any angle up to 6°. Winters® precision made ball drive axles required.

## ALUMINUM CROWN SPLINE



P/N 91197 Screw-On Cap  
 P/N 91198 Crowned Coupler  
 P/N 91196AX5 Flange  
 P/N 97833 HHCS (Flange) (5 Needed)  
 P/N 97471 O'Ring  
 P/N 97674 Retaining Ring  
 P/N 97745 Grease Fitting

### ASSEMBLY P/N 91279AX5 (5 Bolt)

A true crown spline coupler with a billet aluminum flange. Uses 31/24 spline axles, solid or gundrilled.

## ALUMINUM CROWN SPLINE



P/N 91197 Screw-On Cap  
 P/N 91198 Crowned Coupler  
 P/N 91196A Flange  
 P/N 97833 HHCS (Flange) (8 Needed)  
 P/N 97471 O'Ring  
 P/N 97674 Retaining Ring  
 P/N 97745 Grease Fitting

### ASSEMBLY P/N 91279A (8 Bolt)

A true crown spline coupler with a billet aluminum flange. Uses 31/24 spline axles, solid or gundrilled.

## ALUMINUM DRIVE FLANGE



P/N 95874 Screw-On Cap  
 \*P/N 95102A Flange  
 P/N 97117 HHCS (Flange) (8 Needed)  
 P/N 97424 O'Ring

\* Available In Black, Red & Gold

### ASSEMBLY P/N 95153A

Winters® premium 7075-T6 aluminum 8 bolt drive flange with screw-on cap. Not for cambered spindles. Uses 31/24 spline axles.

## DRIVE FLANGE STUD KITS



P/N 92266 Studs  
 P/N 92266T Titanium Studs  
 P/N 97177N Locknuts  
 P/N 97811 Washers

KIT P/N 912177-5 (5 Bolt)

KIT P/N 912177-8 (8 Bolt)

KIT P/N 912177T-5 (5 Bolt, Titanium)

KIT P/N 912177T-8 (8 Bolt, Titanium)

## WHEEL LOCATOR



P/N 96635CX5 5 Bolt  
 P/N 96635C 8 Bolt

Chrome locator guides wheel into place during pit stop.

## 5 ON 5 WHEEL SPACERS



P/N 95735 6.25" O.D., 1/16" Thick  
 P/N 95734 6.25" O.D., 1/4" Thick  
 P/N 95613-02 7" O.D., 1/16" Thick

### 8 BOLT HUB CAP



P/N 95094G Gold  
 P/N 95094B Blue  
 P/N 95094R Red  
 P/N 95094P Purple  
 P/N 95094PO Polished  
 P/N 95094BK Black

Stamped from aluminum and impressed with the famous WP logo. Available in various colors (see above). Gasket P/N 95144

### 5 BOLT HUB CAP



P/N 95094-5 Cap  
 P/N 93177 Gasket  
 P/N 97787 HHCS  
 Available In Black Only

### ROUND HUB CAP



P/N 91614-01  
 Press-in cap with o'ring.  
 Fits P/N K96955FHD  
 hub. Available in black  
 only. O'Ring P/N  
 97471

### TITANIUM BOLTS



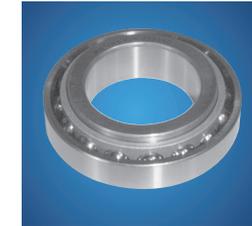
P/N 97117T  
 For Wide 5 drive flange.  
 PLEASE NOTE: Above  
 part number is for one  
 bolt only.

### SPINDLE NUT/WASHER



P/N 95101 Nut (2/Spindle)  
 P/N 95095 Lock Washer

### ANGULAR CONTACT



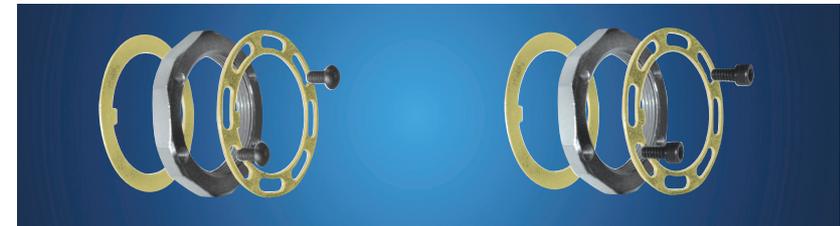
P/N 97324ACS  
 7/16" Inner Bearing  
 with 16 Steel Balls  
 P/N 97325ACS  
 7/16" Outer Bearing  
 with 16 Steel Balls  
 Option 98254S-W5

### BEARING & LOCK KIT



KIT P/N 96105 Steel Nut  
 KIT P/N 96105AT Aluminum Nut  
 PLEASE NOTE: Retaining Ring P/N 98328 for Seal P/N 97210 is not included.

### LOCK NUT KITS



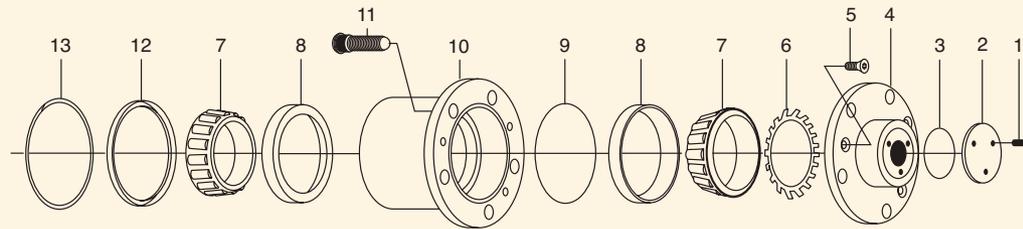
KIT P/N 91865A-2 Aluminum Nut with Button Head Screws  
 KIT P/N 91865-2 Steel Nut with Button Head Screws  
 KIT P/N 91865A Aluminum Nut with Socket Head Screws  
 KIT P/N 91865 Steel Nut with Socket Head Screws

#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Nut, Steel	95101T	1	4	Tab Washer	91664	1
1	Nut, Aluminum	95101AT	1	5	Outer Bearing	97325	1
2	Slot Washer	91665	1	6	Inner Bearing	97324	1
3	10-24 x 3/8" SHCS	97938	2	7	Seal	97210	1

**STEEL REAR**  
**ASSEMBLY 95048**  
5 Lug on 5" Bolt Circle



**ASSEMBLY INCLUDES**

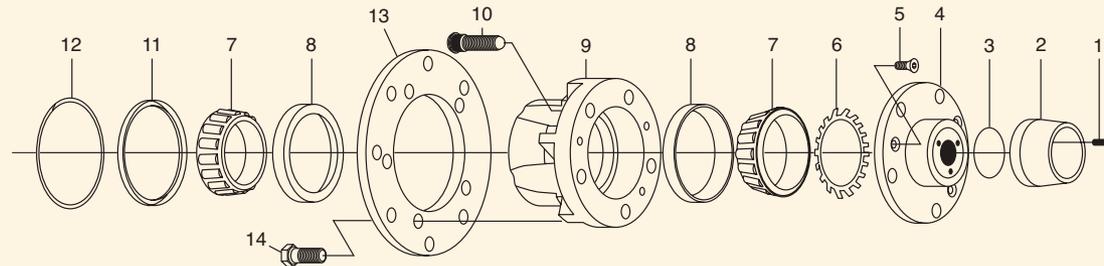


#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	5/16-18 x 7/8" 12pt	97795	3	8	Bearing Cup, Hub	97302	2
2	Hub Cap	96864	1	9	O'Ring, Hub	97423	1
3	O'Ring, Hub Cap	97446	1	10	Steel Hub	95007	1
4	Aluminum Drive Flange	95008A	1	11	5/8-11 Wheel Stud	96522	5
5	5/16-18 x 3/4" FHCS	97120	2	12	Seal, Hub	97201	1
6	Bearing Lockwasher	97118	1	13	Retaining Ring, Hub	97644	1
7	Bearing Cone, Spindle	97301	2				

**BILLET ALUMINUM REAR**  
**ASSEMBLY 96292**  
5 Lug on 5" Bolt Circle



**ASSEMBLY INCLUDES**



#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	5/16-18 x 7/8" 12pt	97795	3	8	Bearing Cup, Hub	97302	2
2	Hub Cap	96869	1	9	Aluminum Hub	95007A	1
3	O'Ring, Hub Cap	97446	1	10	5/8-11 Wheel Stud	96522	5
4	Aluminum Drive Flange	95008A	1	11	Seal, Hub	97201	1
5	5/16-18 x 3/4" FHCS	97120	2	12	Retaining Ring, Hub	97644	1
6	Bearing Lockwasher	97118	1	13	Rotor Mounting Flange	96698	1
7	Bearing Cone, Spindle	97301	2	14	3/8-16 x 1" 12pt	97735	5



**ANGULAR CONTACT BEARINGS** with Steel Balls  
**Option 98254S-25**

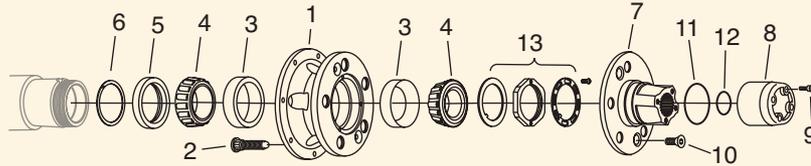
**NOTE:** When using angular contact bearings in hub assembly, pack bearings with wheel bearing grease as normal. Snug bearing locknut by removing all bearing play. Do not over torque nut assembly. Hub should spin freely with no end play (zero preload). Secure locknut.

2" GN

**STANDARD REAR 5 X 5  
KIT P/N 93432**



**KIT INCLUDES**

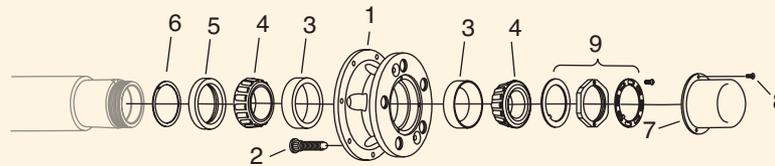


#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub, Aluminum	93082	1	8	Hub Cap	93089-04	1
2	Wheel Stud	95688	5	9	1/4-20 x 1/2" SHCS	97892	4
3	Bearing Cup	97310	2	10	3/8-16 x 1" FHCS	98041	2
4	Bearing Cone	97309	2	11	O'Ring	97484	1
5	Seal	97275	1	12	O'Ring	97477	1
6	Retaining Ring	98328	1	13	Spindle Lock Nut	91865	1
7	Drive Flange	92834-01	1				

**STANDARD FRONT 5 X 5  
KIT P/N 93431**

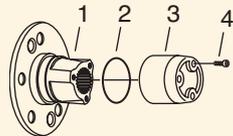


**KIT INCLUDES**



#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub, Aluminum	93082	1	6	Retaining Ring	98328	1
2	Wheel Stud	95688	5	7	Hub Cap	93084	4
3	Bearing Cup	97310	2	8	10-32 x 1/2" FHCS	98044	3
4	Bearing Cone	97309	2	9	Spindle Lock Nut Kit	91865	1
5	Seal	97275	1				

**DRIVE FLANGE & CAP - 3 BOLT**



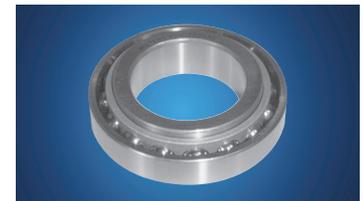
#	DESCRIPTION	P/N	QTY
1	Drive Flange	92834	1
2	O'Ring	97484	1
3	Hub Cap	93089	1
4	1/4-28 x 5/8" SHCS	97964	3

**BULLET NOSE  
HUB CAP  
Option 980121**



Bullet Cap P/N 94394  
1/4-20 x 7/8" SHCS P/N 97842

**ANGULAR CONTACT  
BEARINGS  
with Steel Balls  
Option 98254S-2**

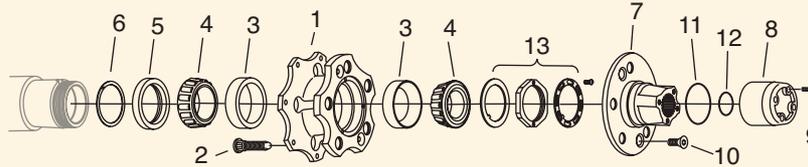


**NOTE:** When using angular contact bearings in hub assembly, pack bearings with wheel bearing grease as normal. Snug bearing locknut by removing all bearing play. Do not over torque nut assembly. Hub should spin freely with no end play (zero preload). Secure locknut.

**LIGHTWEIGHT REAR 5 X 5  
KIT P/N 93434**



**KIT INCLUDES**

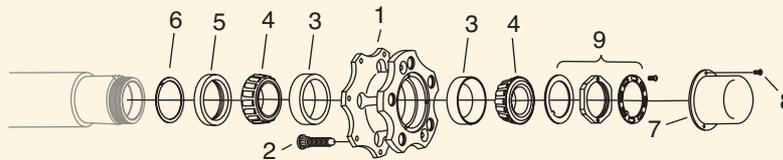


#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub, Aluminum	93082L	1	8	Hub Cap	93089-04	1
2	Wheel Stud	95688	5	9	1/4-20 x 1/2" SHCS	97892	4
3	Bearing Cup	97310	2	10	3/8-16 x 1" FHCS	98041	2
4	Bearing Cone	97309	2	11	O'Ring	97484	1
5	Seal	97275	1	12	O'Ring	97477	1
6	Retaining Ring	98328	1	13	Spindle Lock Nut	91865	1
7	Drive Flange	92834-04	1				

**LIGHTWEIGHT FRONT 5 X 5  
KIT P/N 93433**



**KIT INCLUDES**



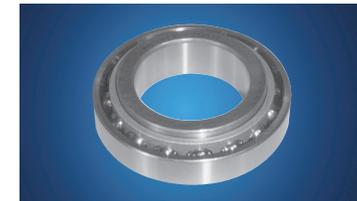
#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Hub, Aluminum	93082L	1	6	Retaining Ring	98328	1
2	Wheel Stud	95688	5	7	Hub Cap	93084	4
3	Bearing Cup	97310	2	8	10-32 x 1/2" FHCS	98044	3
4	Bearing Cone	97309	2	9	Spindle Lock Nut Kit	91865	1
5	Seal	97275	1				

**BULLET NOSE  
HUB CAP  
Option 980121**



Bullet Cap P/N 94394  
1/4-20 x 7/8" SHCS P/N 97842

**ANGULAR CONTACT  
BEARINGS  
with Steel Balls  
Option 982545-2**



**NOTE:** When using angular contact bearings in hub assembly, pack bearings with wheel bearing grease as normal. Snug bearing locknut by removing all bearing play. Do not over torque nut assembly. Hub should spin freely with no end play (zero preload). Secure locknut.

## DOUBLE SPLINE



**P/N 95008A** Aluminum Drive Flange  
**P/N 95008** Steel Drive Flange

Not for Cambered Spindles!  
 Uses standard 31/24 spline axles, either solid or gundrilled. Available in 6", 6 1/2", 6 3/4" and 7" O.D. Check with wheel manufacturer for diameter recommendation.

Flat Cap	96864
Bullet Cap	96869
O'Ring	97446
HHCS for Aluminum Flange, Flat Cap	97145
HHCS for Aluminum Flange, Bullet Cap	97104
SHCS for Steel Flange, Flat Cap	97962
SHCS for Steel Flange, Bullet Cap	97970

## BALL DRIVE



**P/N 91140** Drive Flange

The Ultimate for Cambered & Straight Spindles!  
 Unsurpassed for smooth rotation and durability regardless of the amount of camber. This is a constant velocity 'U' joint in each wheel. Power is transmitted through 6, 11/16" free rolling balls. Very little frictional heat is generated, making axle life unmatched. Uses Winters special ball drive axle (see page 24).

Flat Cap	91408
Bullet Cap	91409
O'Ring	97472
Grease Fitting (Inside Cap)	97745
SHCS for Flat Cap	97963
SHCS for Bullet Cap	97964

## CROWN SPLINE



**P/N 92352** Drive Flange

For Cambered & Straight Spindles!  
 A true crown that works, has many of the ball drive virtues. Requires using Winters crown splined axles (see page 24).

Bullet Cap	92353
O'Ring	97472
Grease Fitting (Inside Cap)	97745
SHCS for Bullet Cap	97986

# ALUMINUM REAR BABY GRAND

55

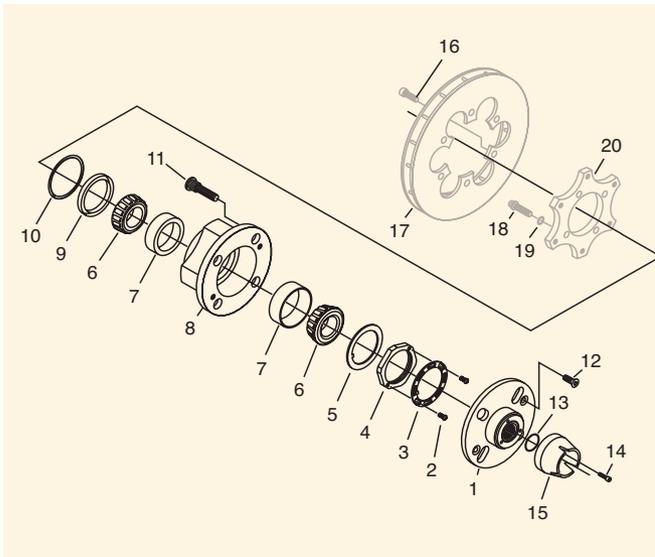


**KIT P/N 92775-425** 4 Lug on 4 1/4" Bolt Circle (#'s 1-15)  
**KIT P/N 92775-450** 4 Lug on 4 1/2" Bolt Circle (#'s 1-15)

## ALUMINUM HUB WITH RACES & STUDS

**P/N 92770-425** 4 Lug on 4 1/4" Bolt Circle  
**P/N 92770-450** 4 Lug on 4 1/2" Bolt Circle

### ASSEMBLY INCLUDES



#	DESCRIPTION	P/N	QTY	#	DESCRIPTION	P/N	QTY
1	Drive Flange		1	10	Retaining Ring	97689	1
	4 Hole Pattern for 1/2" Studs	96548-500		11	Wheel Stud		
	4 Hole Pattern for 5/8" Studs	96548-625			1/2" Press-In	98062-01	4
	5 Hole Pattern for 5/8" Studs	92489			5/8" Threaded	95098A	5
2	10-24 x 3/8" SHCS	97938	2	12	5/16-18 x 3/4" FHCS	97120	2
3	Slotted Washer	91665	1	13	O'Ring	97458	1
4	Spindle Nut	95101T	1	14	10-24 x 1 3/8" SHCS	98084	3
5	Keyed Washer	91664	1	15	Hub Cap	96579	1
6	Outer Bearing Cone	97325	2	16*	5/16-18 x 3/4" 12pt	97145	5
7	Outer Bearing Cup	97323	2	17*	10 1/4" x 3/4" Rotor	96773	1
8	Aluminum Wheel Hub		1	18*	3/8-16 x 1 1/4" 12pt	97735	4
	4 on 4 1/4", 1/2" Studs	92258-425		19*	3/8" Thin Washer	98085	4
	4 on 4 1/2", 1/2" Studs	92258-450		20*	Rotor Adapter	91253-01	1
9	Hub Seal	97203	1				

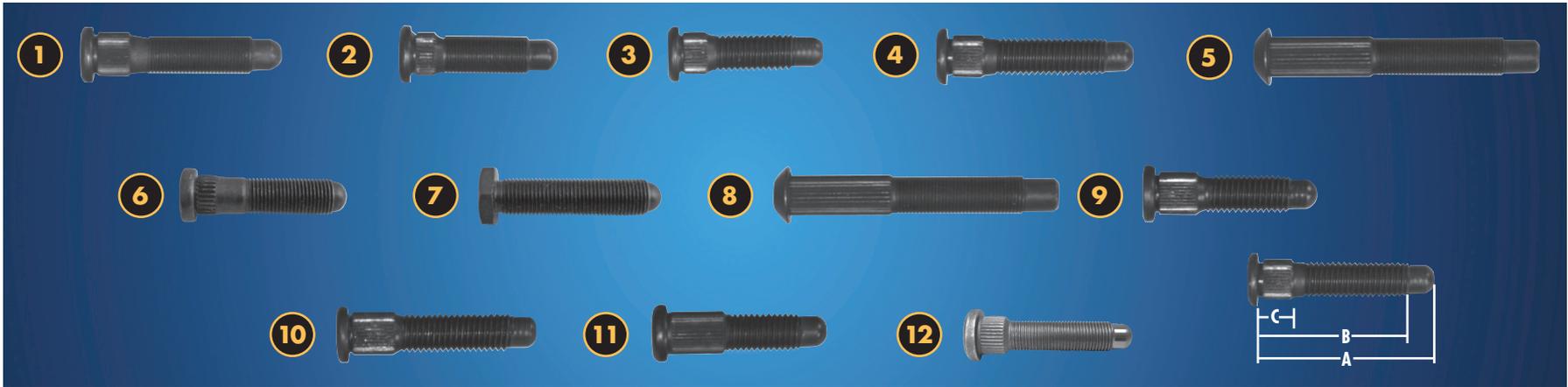
\* For Reference Only. Not Included In Assembly

**ANGULAR CONTACT BEARINGS**  
 with Steel Balls  
**Option 98254S-2**

**NOTE:** When using angular contact bearings in hub assembly, pack bearings with wheel bearing grease as normal. Snug bearing locknut by removing all bearing play. Do not over torque nut assembly. Hub should spin freely with no end play (zero preload). Secure locknut.

HUB ASSEMBLIES

FLANGED STUDS



#	P/N	A	B	C	KNURL OD	THREAD
1	91684	3.00	2.53	0.54	0.691	5/8-18
2	91685	2.34	1.88	0.44	0.691	5/8-18
3	91701	2.34	1.88	0.44	0.691	5/8-18
3	91701-01	3.25	2.20	0.40	0.691	5/8-18
3	91701M	2.34	1.88	0.40	0.691	5/8-18
4	91755	3.00	2.53	0.54	0.691	5/8-11
5	91863	3.38	2.44	0.48	0.691	5/8-18
6	93834	2.06	1.88	0.27	0.55	5/8-18
6	93834-01	1.70	1.52	0.27	0.55	1/2-20
6	93834-02	2.56	2.38	0.32	0.55	1/2-20
7	94266	2.19	2.00	—	—	1/2-20
8	95652	4.25	3.68	1.63	0.651	5/8-18

#	P/N	A	B	C	KNURL OD	THREAD
9	95688	2.64	2.17	0.67	0.691	5/8-11
9	95688D	2.63	2.16	0.88	0.691	5/8-11
9	95688H	2.64	2.17	0.67	0.691	5/8-11
9	95688T	2.64	2.17	0.67	0.691	5/8-11
9	95688TH	2.64	2.17	0.67	0.691	5/8-11
10	96522	3.13	2.66	0.75	0.691	5/8-11
10	96522-01	3.75	3.28	0.63	0.691	5/8-11
10	96522-02	3.75	2.79	0.40	0.691	5/8-11
11	96605	2.63	2.16	0.88	0.689	5/8-11
11	96605H	2.63	2.16	0.88	0.689	5/8-11
12	98062	2.50	2.13	0.44	0.625	1/2-20
12	98062-01	2.51	2.14	0.40	0.625	1/2-20

D= Drilled H= Hollow T= Titanium

THREADED STUDS



#	P/N	D	E	F	THREAD
1	95098C	3.750	—	—	5/8-18
2	95098B	3.000	—	—	5/8-18
3	95098A	3.312	—	—	5/8-18

#	P/N	D	E	F	THREAD
4	92844C & 93596C	2.450	1.763	0.687	5/8-18, 5/8-11
4	92884F	2.450	1.763	0.687	5/8-18, 5/8-11

**PRESS-IN STUDS**  
**KIT P/N 98940** (Not Sold Individually)  
 Option 99113 Installed In Hub

Need longer studs? Kit includes five replacement studs 1" longer with quick start lug nut pilot.  
 Size: 5/8-11 x 4"  
 For use with 5 on 5" & 5 on 4 3/4" hub assemblies (see page 40).



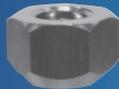
**SCREW-IN STUDS**  
**KIT P/N 98941** (Not Sold Individually)  
 Option 99114 Installed In Hub

Kit includes five replacement studs.  
 Size: 5/8-11 x 2 7/8"  
 For use with 5 on 5" & 5 on 4 3/4" hub assemblies (see page 40).

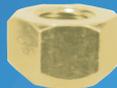


**LUG NUTS**

1



2



3



4



**INDIVIDUAL LUG NUTS**

#	P/N	MATERIAL	THREAD	SIZE	QTY
1	95789	Aluminum	5/8-11	1"	1
1	95789-0	Aluminum	5/8-11	1 1/16"	1
2	95712	Steel	5/8-11	1"	1
3	93591	Steel	5/8-11	1"	1
4	93669	Steel	5/8-11	7/8"	1

**LUG NUT KITS**

#	P/N	MATERIAL	THREAD	SIZE	QTY
1	95945	Aluminum	5/8-11	1"	5
1	95945-0	Aluminum	5/8-11	1 1/16"	5
2	92254	Steel	5/8-11	1"	5
3	93591-5	Steel	5/8-11	1"	5
4	93669-5	Steel	5/8-11	7/8"	5

# VENTED ROTORS

# ROTORS



## ROTOR BOLT & WASHER KITS



**P/N 92821**  
Standard Rotor



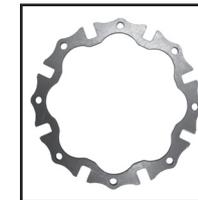
**P/N 92821HD**  
Heavy Duty Rotor

P/N	MATERIAL	THICKNESS	(A) O.D.	(B) BOLT CIRCLE	(C) I.D.	MOUNTING BOLT DIAMETER	VANE	OPTION
<b>95439</b>	Iron	1 1/4"	12 1/8"	5 on 6 3/4"	6 3/16"	3/8"	S	_____
<b>95811</b>	Iron	0.810"	12 1/8"	5 on 6 3/4"	6 3/16"	3/8"	S	_____
<b>96607A</b>	Aluminum	0.810"	12 1/8"	8 on 7"	6 3/8"	5/16"	S	_____
<b>96607AGM</b>	Aluminum	0.810"	11 3/4"	8 on 7"	6 3/8"	5/16"	S	_____
<b>96608A</b>	Aluminum	1 1/4"	12 1/8"	8 on 7"	6 3/8"	5/16"	S	_____
<b>96608AGM</b>	Aluminum	1 1/4"	11 3/4"	8 on 7"	6 3/8"	5/16"	S	_____
<b>96608GM</b>	Iron	1 1/4"	11 3/4"	8 on 7"	6 3/8"	5/16"	S	98243
<b>96608GML</b>	Iron, Drilled	1 1/4"	11 3/4"	8 on 7"	6 3/8"	5/16"	S	98243L
<b>96773</b>	Steel	3/4"	10 1/4"	6 on 5 1/2"	4 7/8"	5/16"	S	_____
<b>92394</b>	Iron	0.810"	12 3/16"	8 on 7"	6 3/8"	5/16"	HD	98240
<b>92394-01</b>	Iron	0.810"	12 3/16"	8 on 7"	6 3/8"	5/16"	LW	98240S
<b>92394GM</b>	Iron	0.810"	11 3/4"	8 on 7"	6 3/8"	5/16"	HD	98241
<b>92394GML</b>	Iron	0.810"	11 3/4"	8 on 7"	6 3/8"	5/16"	HD	98241L

## T-NUT KIT & MOUNTING PLATE



**P/N 95820** T-Nut Kit  
Includes 8 of each:  
**P/N 93663** Bolt  
**P/N 93662** T-Nut



**P/N 93708** Mounting Plate  
Fits hubs with 8 hole, 7" bolt pattern rotor mounts. Rotor stands must be shortened 0.250" to place rotor in original position.

The Winters® 9" Rear offers better alignment and is stronger than any modified housing on the market. Considering its low weight and the fact that tubes can be replaced as needed makes this rear a logical choice for all types of racing. Available in aluminum or magnesium, this housing will accept any Winters® 3" O.D. side tubes with a variety of spindle options.

With a greater oil capacity, this rear runs much cooler than a stock Ford® rear. In many instances, external coolers may be eliminated. Casting protrusions are cast internally in the case to allow drilling and tapping to accommodate an external cooler. A large inspection plug has been incorporated so you may visually check the ring and pinion condition without having to remove the third member.

Use Red Loctite® when installing 3/8-16 studs. the two bottom studs may be substituted with 3/8-16 grade 8 or 9 cap screw for the purpose of draining the rear lube. It is advisable to drill and safety wire the cap screws since they are much more prone to vibrating out than the supplied studs.

Studs and cap screws should be torqued to 25 Ft Lbs max. This is more than sufficient for third member retention.

To check oil level, see figure 1. By replacing stud with a 3/8-16 grade 8 or 9 cap screw, this hole can be used to check oil level. **NOTE:** All plugs below oil level have been purposely eliminated to avoid accidental oil loss.

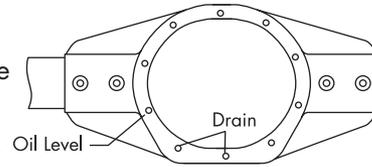


Figure 1

## TUBE INSTALLATION

### For Aluminum & Magnesium Housings Only

A simple tube installation tool (figure 2) can be made from a 48" length of 3/4" or 1" All-Thread rod, two nuts and two machined washers. Machine the washers, one for inside the housing and one for the end of the tube. These washers should be approximately 1" thick with an under cut to locate and center in the housing and tube.

Place the tube in a 5 gallon bucket of ice. Make sure the housing is clean and free of chemicals or flammable materials. Heat the housing in an oven to 270°-300°F. **Magnesium can be ignited- Exercise Caution!** Lubricate the housing bore and drop the tube into the housing. **DO NOT TORCH OR USE OPEN FLAME!** Annealing and/or cracking will occur.

Insert the All-Thread through the tube and housing with washers and nuts. Turn nut on All-Thread until tube is bottomed in housing. Do not attempt to drive tubes into housing with a hammer or try drawing both tubes into the housing at the same time.

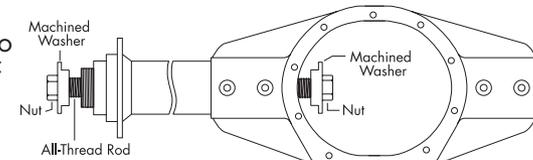


Figure 2

## MOUNTING BRACKETS

### Suggested Suspension Mounting (figure 3)

Attach suspension components to formed steel plates, then bolt plates to housing as illustrated. Seal with silicone gasket sealant.

Caution: DO NOT weld suspension brackets to aluminum or magnesium housings. Weld only to plates and/or steel tubes if used.

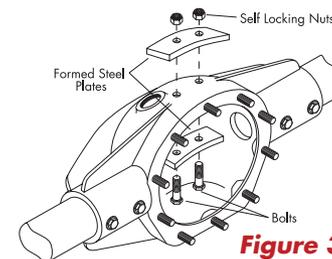


Figure 3

## CAMBERED REAR ENDS

It is universally accepted that the larger the tire contact patch, the faster your racer will go. Bolting on bigger tires will not solve traction problems and usually cause more, especially at inspection time.

Your tires also need to be equally loaded when being used to their limits, not just tire to tire, but across the width of each tire tread, also. Some of the factors to be considered when attempting to maximize your tires' contact patch are:

1. Amount of stagger (figure 1)
2. Amount of camber (figure 2)
3. Your sanctioning body's maximum width requirements.

Tire stagger tends to tip your tires up on one side causing uneven loading and uneven temperatures across the tire tread, along with a smaller contact patch (figure 1). With an increase in stagger difference, you can expect a greater imbalance.

Camber can be used to correct the uneven loading caused by stagger and also to compensate for uneven loading caused by centrifugal forces. With the correct amount of camber, you can achieve even loading across the tire resulting in even tire tread temperatures and also creating a larger tire contact patch. Even tire tread temperatures and larger tire contact patches are standard equipment on winners everywhere.

Cambering a rear was originally done by bending the spindle on the end of the axle tube (figure 3), but that leads to premature failures of bearings, axles, drive flanges and seals that can not tolerate misalignment.

Winters® has engineered offset spindles which maintain both ends of the axle on the same plane while allowing up to 2° camber (figure 4). Used in conjunction with our crown spline or ball drive axles and drive flanges, you maximize tire contact patch and tire loading while maintaining durability.

What amount of camber should you use? Ultimately a little experimenting and a close watch on the tire tread temperatures will dial you right in. The following are some simple formulas that will help you decide and also help keep you from exceeding your sanctioning body's rules.

**To calculate tire stagger camber:  $S \div 6.283 \times D \times 0.0175$  ( $S$  = Tire Stagger,  $D$  = Center)**

**Example: 3" stagger, 60" center to center distance ( $3 \div 6.283 \times 60 \times 0.0175 = 0.50$  degrees)**

This formula calculates the amount of camber caused naturally from tire stagger. The amount of camber that you will need to build into your rear housings will be influenced by tire stagger, track configuration, driving style, etc. But by studying tire temperatures and adjusting camber to make tire tread temperatures equal across each tire, you will have the ticket to your fastest lap times.

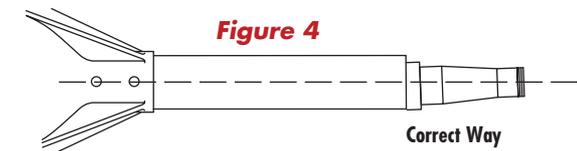
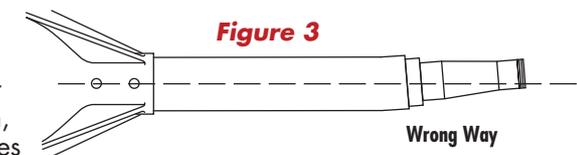
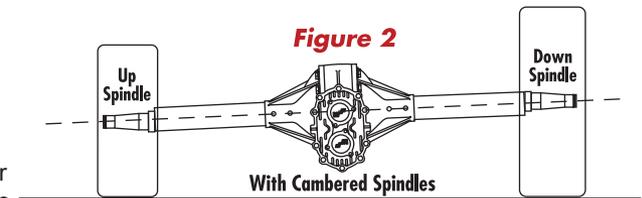
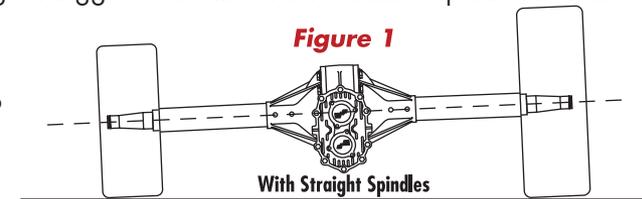
After you decide how much camber to add to your rear, the following formula will help you make sure this change will not make your combination exceed overall width rules of your sanctioning body.

**Track width increase per tire =  $R \times C \times 0.0175$  ( $R$  = Radius,  $C$  = Camber angle in degrees)**

**Example: 30" tire diameter equals 15", 1 1/2° cambered snout ( $15" \times 1.50^\circ \times 0.0175 = 0.39"$  wider on one side)**

This could potentially make your car about 3/4" wider if done on both sides. Simply adjust tube lengths to compensate if you are close to your maximum width.

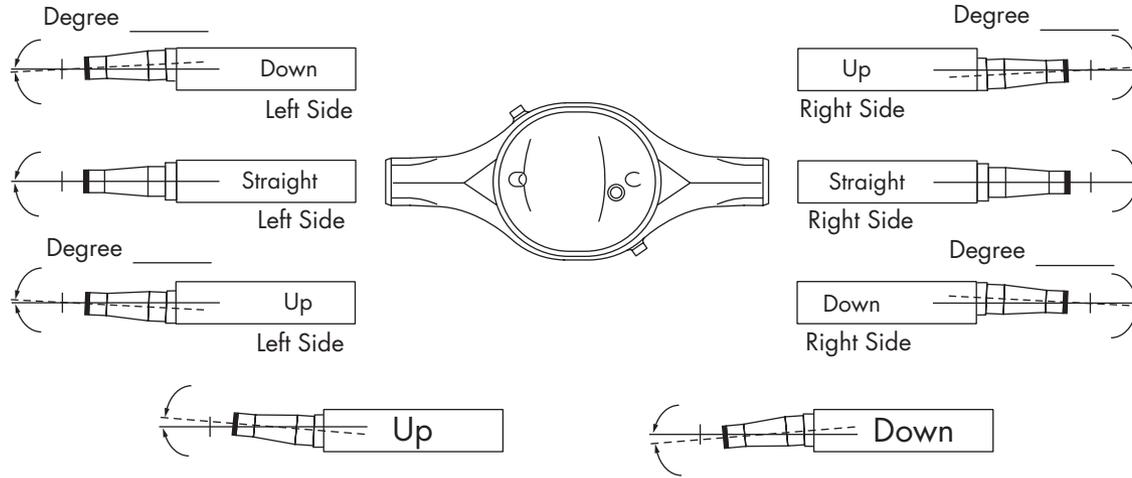
At Maverick we do camber right and have all the correct Winters® 9" Ford® rear end pieces to help maximize your application! A variety of cambered tubes and snouts, with a complete selection of different styles of drive flanges and axles will complete your choice.



# CAMBERED SPINDLE ORDER SHEET

## AVAILABLE OPTIONS

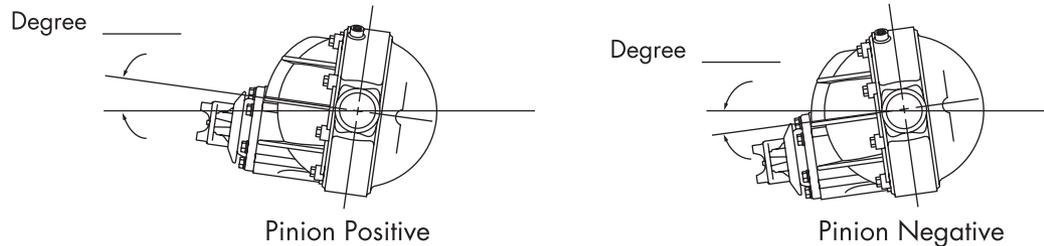
0.5° Camber, Left, Down	98181L05D
0.5° Camber, Left, Up	98181L05U
1° Camber, Left, Down	98181L10D
1° Camber, Left, Up	98181L10U
1.5° Camber, Left, Down	98181L15D
1.5° Camber, Left, Up	98181L15U
1.8° Camber, Left, Down	98181L18D
1.8° Camber, Left, Up	98181L18U
2° Camber, Left, Down	98181L20D
2° Camber, Left, Up	98181L20U
0.5° Camber, Right, Down	98181R05D
0.5° Camber, Right, Up	98181R05U
1° Camber, Right, Down	98181R10D
1° Camber, Right, Up	98181R10U
1.5° Camber, Right, Down	98181R15D
1.5° Camber, Right, Up	98181R15U
1.8° Camber, Right, Down	98181R18D
1.8° Camber, Right, Up	98181R18U
2° Camber, Right, Down	98181R20D
2° Camber, Right, Up	98181R20U



As shown, there are various choices for direction of camber. It is essential that we are given the correct information in order to assemble your rear properly.

Please circle the type of camber and note the degree of camber desired for both right and left sides. Please note if no camber is desired on one side.

Also shown is degree of pinion tilt. If no pinion tilt is required and the pinion is parallel to the ground, enter 0° for pinion tilt.



**Sign, date and return this form by FAX or mail.**

Customer Name \_\_\_\_\_ Customer No. \_\_\_\_\_

Address \_\_\_\_\_

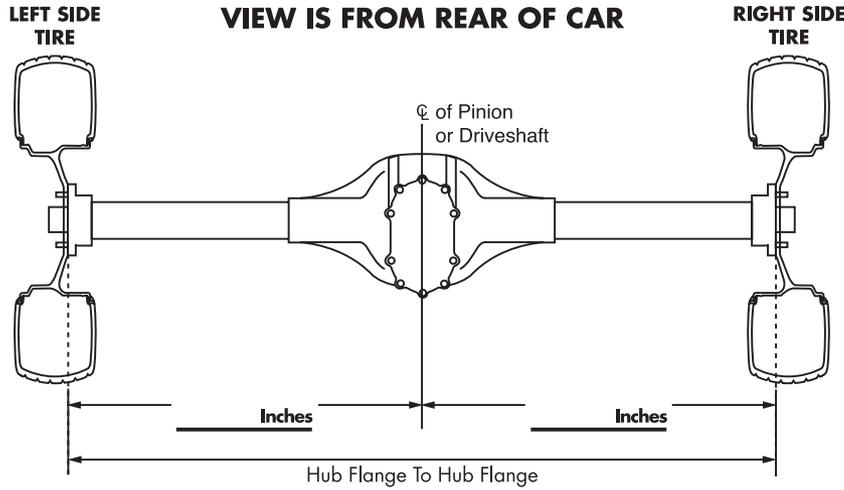
Phone \_\_\_\_\_ FAX \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Notes \_\_\_\_\_

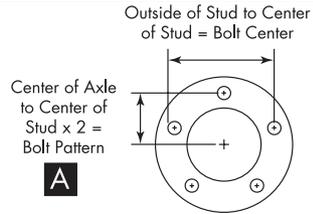
# REAR END DIMENSIONAL DATA FORM

**IMPORTANT INFO**

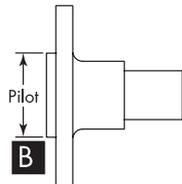


All dimensions figured in the U.S. Standard System of Measurement (Inches) unless specified otherwise.

### BOLT PATTERN MEASURING



### AXLE INFORMATION



ORDER #: \_\_\_\_\_

PART #: \_\_\_\_\_

QTY: \_\_\_\_\_

BOLT PATTERN: \_\_\_\_\_ (Example: 5 x 4 3/4", See Figure A)

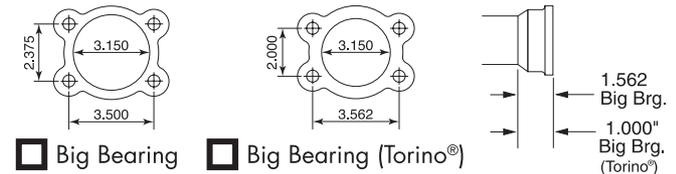
**If ordering Winters Axles, it is extremely important to specify the following:**

**STUDS:**  1/2" Fine Thread  
 Press In  12mm Press In  2" Long Screw In

**BRAKE KIT:**  Disc  Drum  
 Winters Kit P/N SR4917SS  Winters Kit P/N SR2838  
 Winters Kit P/N SR4918  Other \_\_\_\_\_  
 Pilot Diameter (Center Hole in Drum or Disc) \_\_\_\_\_ Inches (See Figure B)  
 Brake Offset:  2.375"  2.500"  Other \_\_\_\_\_ Inches

**SPLINES:**  
 31

### HOUSING END:



**Sign, date and return this form by FAX or mail or email (office@wintersperformance.com).**

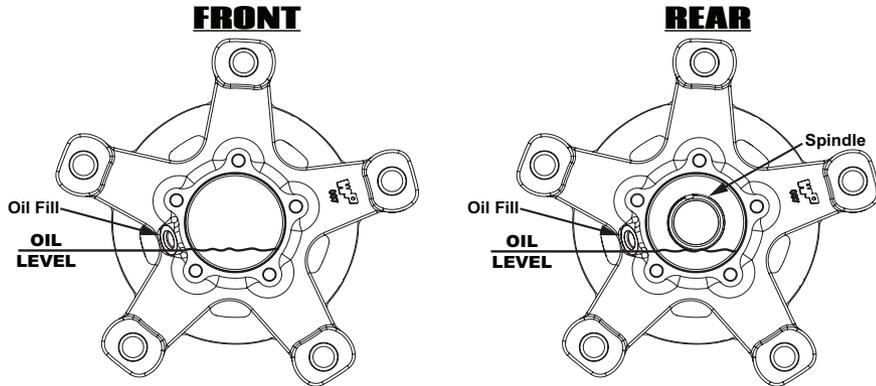
Customer Name \_\_\_\_\_ Customer No. \_\_\_\_\_

Email \_\_\_\_\_ PO # \_\_\_\_\_

Phone \_\_\_\_\_ FAX \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Notes \_\_\_\_\_



**Use Winters Semi-Synthetic Hypoid Lube with Moly 80-90-140**  
**P/N 91730**  
 or Mobil 1® 70-90

### IMPORTANT

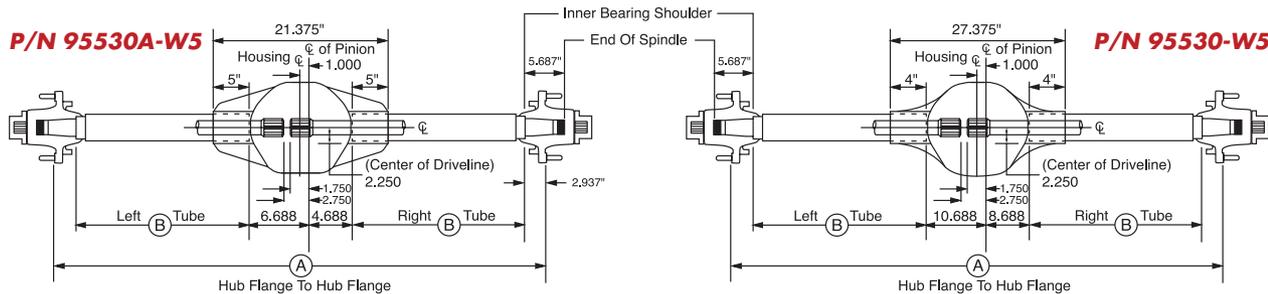
Proper oil level is critical to the performance of these hubs. To fill, rotate the hub so the Oil Fill/Level Plug is positioned at 8 o'clock.

**FRONT:** Fill until oil level reaches the bottom of the Oil Fill/Level Plug.  
**Approx. 3 1/2 - 4oz.**

**REAR:** Fill until oil level reaches the bottom of the spindle. **Approx. 3 1/2 - 4oz.** Over-filling will result in oil entering your side tubes.

## DIMENSIONAL DATA

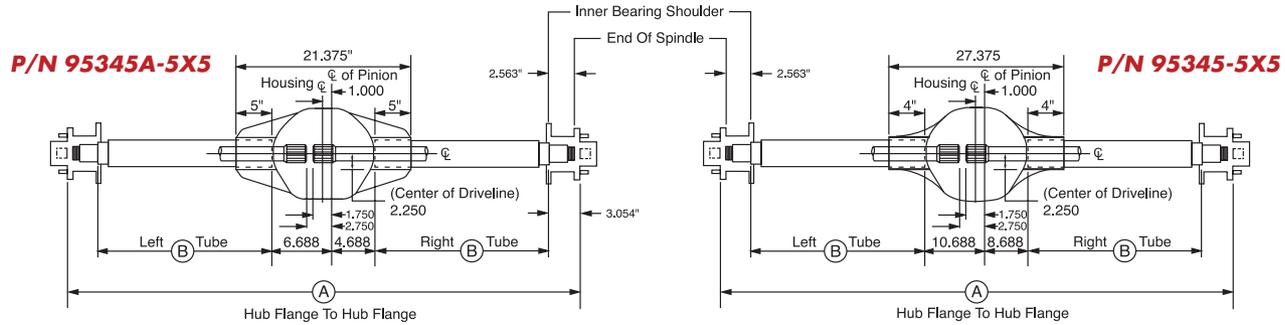
WIDE 5



A	ALUMINUM HOUSING		AXLE LENGTH		STEEL HOUSING	
	B LEFT	B RIGHT	LEFT	RIGHT	B LEFT	B RIGHT
60 Centered	20.375"	22.375"	31.500"	36.125"	16.375"	18.375"
60 2" Off	18.375"	24.375"	29.500"	38"	14.375"	20.375"
62 Centered	21.375"	23.375"	32.500"	37"	17.375"	19.375"
62 2" Off	19.375"	25.375"	30.500"	39"	15.375"	21.375"

# DIMENSIONAL DATA

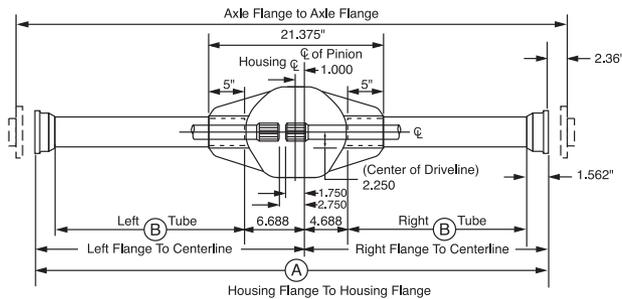
## 5 ON 5 " OR 5 ON 4 3/4"



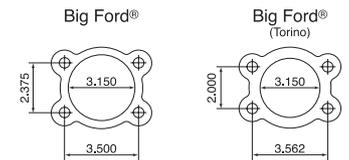
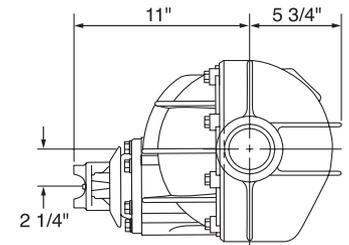
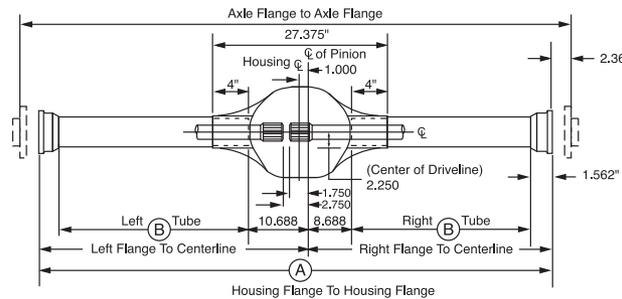
A	ALUMINUM HOUSING		AXLE LENGTH		STEEL HOUSING	
	B LEFT	B RIGHT	LEFT	RIGHT	B LEFT	B RIGHT
60 Centered	20.258"	22.258"	28.500"	32.500"	16.258"	18.258"
60 2" Off	18.258"	24.258"	26.500"	34.500"	14.258"	20.258"
62 Centered	21.258"	23.258"	29.500"	33.500"	17.258"	19.258"
62 2" Off	19.258"	25.258"	27.500"	35.500"	15.258"	21.258"

## FLANGED AXLE

P/N 92540A-FLNG

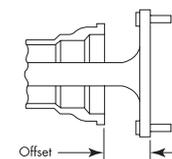


P/N 92540-FLNG



A	ALUMINUM HOUSING		AXLE LENGTH		STEEL HOUSING	
	B LEFT	B RIGHT	LEFT	RIGHT	B LEFT	B RIGHT
55 Centered	20.812"	22.812"	27.250"	31.750"	16.812"	18.812"
55 2" Off	18.812"	24.812"	25.250"	33.750"	14.812"	20.812"
57 Centered	21.812"	23.812"	28.250"	32.750"	17.812"	19.812"
57 2" Off	19.812"	25.812"	26.250"	37.750"	15.812"	21.812"

### Axle Flange Cross-Section



DESCRIPTION	OFFSET
Big Bearing Ford®	2.13"
Big Bearing Ford®	2.36"
Big Bearing Ford®	2.50"
Big Bearing Ford® (Torino®)	2.36"
Big Bearing Ford® (Torino®)	2.50"

IMPORTANT INFO

# LIMITED WARRANTY

## BACKGROUND

Maverick Performance, Inc., referred to herein as Maverick, manufactures parts and equipment which are purchased by persons in various industries, who may install and use Maverick parts and equipment in applications which may not be suitable for that Purchaser's intended purpose. Purchaser understands, recognizes and acknowledges that all parts and equipment manufactured or sold by Maverick are exposed to many, varied and unforeseeable uses and conditions. As a consequence, Maverick can make no promise, warranty, affirmation or representation as to the performance of its parts or equipment, nor does Maverick make any description of the parts or equipment sold to Purchaser, nor does Maverick make any description or affirmation of fact concerning any sample or model of parts or equipment except as specifically set forth in this Limited Warranty. As further consideration for Purchaser using Maverick's parts or equipment, Purchaser acknowledges that, due to differing conditions and circumstances under which all parts and equipment are installed and used, Purchaser is not relying on Maverick's skill and judgement to select or furnish the proper part or equipment. Purchaser expressly affirms that it is relying on its own expertise, skill, and judgement to select, purchase and install parts or equipment which are suitably safe and durable for their intended purpose. Purchaser assumes all risks associated with the performance of Maverick parts.

## LIMITED WARRANTY

Maverick warrants to Purchaser that any part or equipment manufactured by Maverick ("a Part") will conform to the description of such Part contained in the catalog most recently published by Maverick prior to the time of sale of such part or equipment to Purchaser ("the Description"). MAVERICK MAKES NO OTHER WARRANTY, EITHER EXPRESS OR IMPLIED WITH RESPECT TO ANY PART. MAVERICK EXPRESSLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR PURPOSE AND EXPRESSLY DISCLAIMS ANY WARRANTY AS TO THE PERFORMANCE OF ANY PART. The liability of Maverick for breach of the foregoing warranty is limited to repair or replacement of any Part determined to fail to conform to its Description prior to installation and use. The burden of establishing that any Part fails to conform to its Description shall be upon Purchaser. In order to be entitled to repair or replacement of any Part, Purchaser must (i) inspect the part upon receipt; and (ii) notify Maverick in writing of the defect PRIOR TO INSTALLATION OF THE PART. In no event shall Maverick be liable hereunder for any Part which has been installed. Purchaser assumes all risks relating to a Part once such Part is installed. MAVERICK SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES (INCLUDING BUT NOT LIMITED TO LOST PROFITS) OR FOR LOSS OR DAMAGE DIRECTLY OR INDIRECTLY ARISING FROM THE USE OF A PART. Every claim under this Limited Warranty shall be deemed waived unless made in writing within ninety (90) days of delivery of the Part by Maverick to Purchaser. Purchaser acknowledges that, due to the multiple uses of Parts, it is impossible for Maverick to predict the performance of any Parts once installed or the suitability of any Parts for any particular use. Purchaser expressly acknowledges its obligation to inform all users (customers) of the above disclaimer.

## INDEMNITY AGAINST THIRD PARTY CLAIMS

PURCHASER HEREBY AGREES TO INDEMNIFY AND HOLD HARMLESS MAVERICK FROM AND AGAINST ANY AND ALL CLAIMS, LIABILITY, LOSS AND DAMAGES, INCLUDING ATTORNEYS FEES, MADE BY ANY THIRD PARTY AGAINST MAVERICK RELATING TO A PART OR THE USE OF ANY PART. Purchaser understands and agrees that no officer, director, employee or agent of Maverick (including but not limited to any vendor, dealer or distributor) has any authority to make any statements contrary to the terms of this Limited Warranty. Maverick specifically disavows any statements contrary to what is written above.

## CHOICE OF LAW/VENUE

This Limited Warranty shall be governed by and construed in accordance with the laws of the Commonwealth of Pennsylvania. Any legal action which may arise as a result of disputes, controversies, or claims arising out of or related to this Limited Warranty or the purchase or use of any Part shall be litigated exclusively in the Court of Common Pleas of York County, Pennsylvania or the United States District Court for the Middle District of Pennsylvania.

## MISCELLANEOUS

This writing constitutes the full, complete and final statement of Maverick's Limited Warranty for Parts. All prior oral and written correspondence, test data, negotiations, representations, understandings and the like regarding Parts are merged in this writing and extinguished by it. This Limited Warranty may not be altered, amended, extended or modified except by a writing signed by the President or Vice President of Maverick. Maverick's failure at any time to enforce any of the terms and conditions stated herein shall not constitute a waiver of any of the provisions herein. This Limited Warranty shall not be assigned by Purchaser. Maverick's responsibility for merchandise shipped via common carrier ceases upon delivering the order to the carrier. Maverick is not responsible for merchandise lost or damaged in transit. Purchaser must file a claim with the delivery carrier for merchandise lost or damaged during transit. Maverick will assist Purchaser by supplying any information necessary for submission of a claim. It is the responsibility of the Purchaser to comply with all laws and regulations, Federal, State and Local, governing resale of products sold by Maverick. NSF Charge: \$38.00 per returned check/payment. Repayments must be made by cashier check or money order.

On request, all parts in Maverick Performance, Inc. inventory and/or catalog are available in super strength heat treated steel (300,000/350,000 P.S.I. tensile strength) at extra cost and special order. Refer to machinery handbook for strengths of other materials.

RACING IS A DANGEROUS SPORT THAT CAN RESULT IN SERIOUS INJURY OR DEATH. THE ULTIMATE RESPONSIBILITY FOR PARTICIPANT AND VEHICLE SAFETY LIES WITH THE PARTICIPANT.

[www.maverickperformance.com](http://www.maverickperformance.com)

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