

# INSTALLATION - SERVICE INSTRUCTIONS



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**June**  
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## Part Numbers:

58300 ..... "C" clip eliminator kit for full size GM rears using stock axles.  
58350 ..... "C" clip eliminator kit for full size GM rears using MW axles.

## Parts Included:

2- 58301 ..... Bearing housing.  
2- 58302 ..... Bearing retainer.  
1- 58503 ..... Axle bearings w/lock rings, 1.532 I.D. for stock axles (pr).  
1- 58504 ..... Axle bearings w/lock rings, 1.625 I.D. for MW axles (pr).  
8- 06434342M ..... Modified 3/8-24 x 2 1/2" Grade 9 bolt.  
8- 21FC-624 ..... 3/8-24 Self locking nuts.  
2- 150 ..... Bearing housing "O" ring.

## Primary Applications:

Drag Racing applications using full size passenger car or 1/2 ton truck rear end.

## Installation Overview:

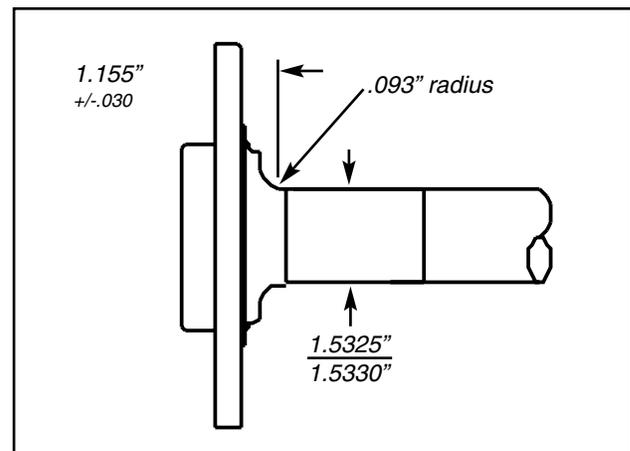
- 1) Remove stock axles, bearings and seals from housing. Using a hacksaw or abrasive cut-off wheel, trim housing outboard of backing plate flange to 5/16" to 3/8" (see Diagram B).
- 2) If stock axles are being used they must be modified to accept a press on axle bearing (see Diagram A). Due to the hardness of the stock axles it is recommended that this modification be done on a O.D. grinder rather than on a lathe. If you must turn them on a lathe a tungsten carbide tool is recommended. MW axles need no modifications.
- 3) Slide bearing retainer plates with four modified bolts in each over the axle shaft. Bolts must be in retainers when installing bearings on stock axles since there is no access hole in the flange to go through after retainers and bearings are in place. Modified bolt head must face the axle flange to clear wheel studs.
- 4) Install bearings and lock rings.
- 5) Before installing axles backing plates must be in place and -150 "O" ring up against the backing plate. Install 58301 bearing housing on the the portion of the housing left after trimming (see Diagram B). It may be necessary to clean rust and dirt from the part of the stub that will locate the bearing housing. It may also be necessary to tap the bearing housing on with a plastic mallet. Make sure the holes in the bearing housing, backing plate and the housing flange are all lined up and that the "O" ring is not pinched between bearing housing and backing plate..
- 6) Slide axles into housing, line up bolts in retainer with bearing housing, engage spline and push into position. Install 3/8" nuts and torque to 30-35 ft/lbs.

## Torque Specs:

Retainer bolts (3/8-24) 30-35 ft/lbs.

## Maintenance Requirements:

Periodic inspection of bearing and check torque on retaining bolts.



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## Mark Williams Enterprises

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Mark Williams Part No 58350

Parts List

ITEM QTY	NAME	DESCRIPTION
1	0 50100	Mark Williams Axle (not included)
2	0 Housing End	Existing Axle Tube (Must be modified)
3	0 Brake Backing Plate	Existing Brake Backing Plate
4	2 58504-1	Bearing, 1.625" ID, 3.15" OD
5	2 58504RC	Lock Ring For 1.625" Bearing
6	2 58301	Housing C-Clip Eliminator Kit
7	8 06434342	HEX CAP SCREW
8	8 21FC-624	HEX NUT
9	2 58302	Retainer For C-Clip Eliminator
10	2 -150	O-Ring

