

Kit Summary:

Kit #	A1090
Description	C-clip eliminator kits with tapered bearing
Applications	8.8" Ford Housing End with Strange Axle 1.563" H bearing journal diameter
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Date Modified	Jul 14, 2014

Kit Contents

ITEM#	PART#	QTY	DESCRIPTION
1	A1090B	2	Safety Hub Outer Half (<i>threaded half</i>)
2	A1090F	2	Outboard Seal
3	A1092C	8	$\frac{3}{4}$ "-24 x 1" & $\frac{3}{4}$ "-16 x $\frac{3}{4}$ " total length 2- $\frac{1}{2}$
4	A1090A	2	Safety Hub Inner Half
5	A1011	2	Tapered Roller Bearing
6	A1090C	2	Wedding Ring
7	A1092E	4	Hub Gasket
8	S3402N	8	$\frac{3}{8}$ " Washer
9	F1282	8	$\frac{3}{8}$ "-24 Nut

Housing Preparation (*refer to figure 1*)

1. Remove wheel and tire, drum and axle from the housing (axle c-clip must be removed first).
2. Disassemble the rear drum kit and remove the studs and backing plate from the housing end flanges.
3. Remove the stock bearing and seal from the housing snouts.
4. Refer to figure 1 and shorten the housing snout leaving the register for the backing plate only.
5. Remove any rust, dirt, burrs or grease from the modified housing and both seating surfaces of the backing plate.

Axle Preparation (*refer to figure 5*)

6. Apply an even RTV bead around the outside diameter of axle bearing (5) in the inner half (4). The inner and outer safety hub will have a slight gap between them in order to pre-load the bearing; therefore, RTV must be used.
7. Then orient and slide the outer half (1) with the pre-installed studs (3) and seal (2) with the inner half.
8. Press the assembly onto the axle. Press only on the inner race. Bearing will stop on the shoulder of the axle when properly pressed on.
9. Press the wedding rings (6) on. The wedding ring is a press fit and should seat firmly against the bearing. There should be no movement of the bearing inner race.

Axle Installation (*refer to figure 5*)

10. Apply a thin coating of RTV sealer to both sides of a hub gasket (7).
11. Re-install the brake backing plate with a gasket on the inboard side.
12. Position the second gasket (7) on the inner half (4).
13. Coat the spline portion of the axle with white lead compound or grease. This will help determine axle spline engagement.
14. Carefully position and re-install the axle with the safety hub assembly into the housing, engaging the studs thru the backing plate, gaskets and housing end.

Note: Due to a variety of differentials and gear ratios ensure the axle shafts do not contact the differential cross pin. The axle must be cut if it makes any contact. Contact can be checked by coating the ends of the axle with white lead compound or grease.
15. Remove the axle from the housing and ensure spline engagement is at minimum 1".
16. Re-assemble the axle into the housing and torque the housing end jet nuts (9) to 35 ft-lbs.

FIGURE # 1: Housing Modification

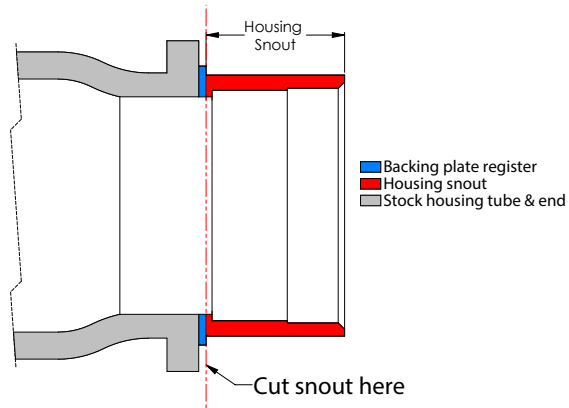


FIGURE # 2: Exploded view

