

Strange

Kit Summary:

Kit #	A1093
Description	C-clip eliminator kits with tapered bearing
Applications	1986-93 8.8" Ford housing end with stock axle and drum brakes (except for disc or truck brakes)
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Date Modified	Aug 21, 2014

Kit Contents			
ITEM#	PART#	QTY	DESCRIPTION
1	A1093A	2	Bearing sleeve
2	A1090F	2	Axle Seal
3	A1090B	2	Safety hub outer half (<i>threaded half</i>)
4	A1092C	8	$\frac{3}{8}$ "-24 x 1" & $\frac{3}{8}$ "-16 x $\frac{3}{4}$ " total length 2- $\frac{1}{2}$
5	A1090A	2	Safety Hub Inner Half
6	A1011	2	Timken tapered bearing
7	A1032D	2	Wedding Ring
8	A1092E	4	Hub Gasket
9	S3402N	8	$\frac{3}{8}$ " Washer
10	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 2 and 3)

6. Apply an even RTV bead around the outer diameter of the pre-installed axle bearing (6) in the inner half (5).
7. Slide the outer half (3) over the inner half (5) and then press the halves together the remaining amount. Ensure correct orientation as shown in figure 3.
8. Slightly oil the bearing sleeve (1). Then press the bearing sleeve into the bearing (6). Ensure correct orientation as shown in figure 3. The sleeve is first guided through the axle bearing seal (3) then pressed into the bearing until it stops.
Note: Ensure to slightly oil the bearing sleeve (1) on the outside diameters. (see figure 2)
Press only on the inner race of the axle bearing.
9. Press the eliminator kit assembly and sleeve on the axle. The sleeve is designed to press on the axle until it stops. The distance from the axle flange to the inboard side of the inner half (5) should be 2.3" as shown in figure 2.
Note: Press only on the inner race of the axle bearing.
10. Press the wedding ring (7) 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 3)

11. Apply a thin coating of RTV sealer to both sides of the hub gaskets (8).
12. Re-install the brake backing plate with gaskets.
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. The button on the end of stock axles must be completely cut off if it contacts the diff.
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 (10) to 35 ft-lbs.

FIGURE # 1: Housing modification

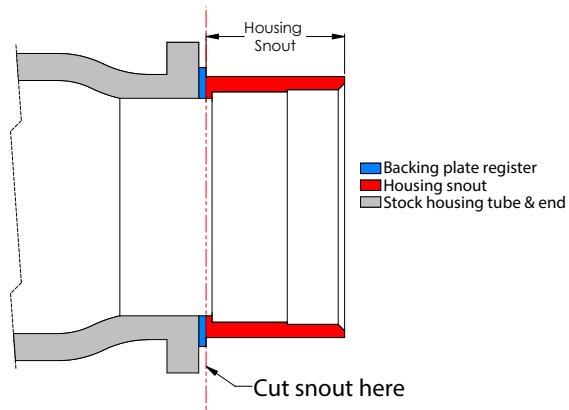


FIGURE # 2: Axle bearing sleeve & assembly install

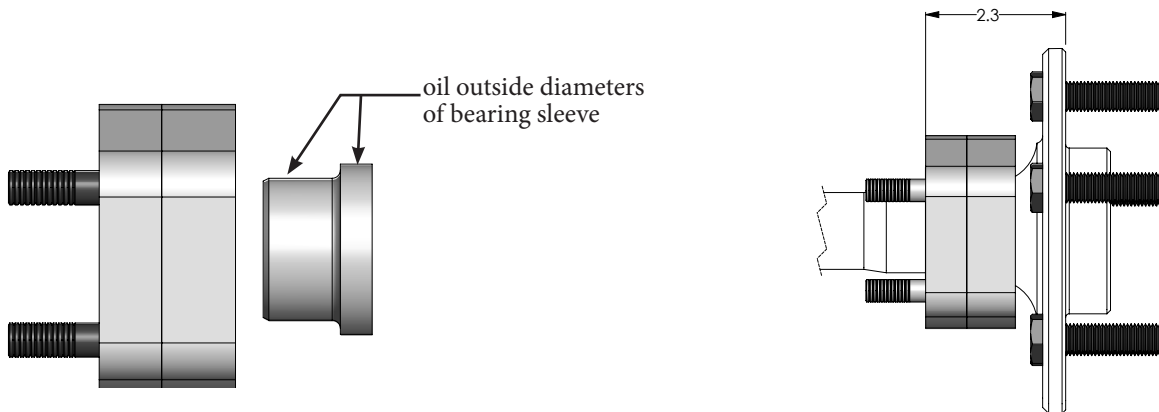


FIGURE # 3: Exploded view

