

Strange

Engineering

Kit Summary:

Kit #	A1094- 1994 to 2004 Mustang with GT disc brakes A1095- 1994 to 2004 Mustang with Cobra disc brakes
Description	c-clip eliminator kit with tapered bearing
Applications	factory 8.8 Ford housing ends with Strange Axles
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Date Modified	Apr 11, 2014

Kit Contents

ITEM#	PART#	QTY	DESCRIPTION
1	A1094E	2	Reluctor ring (<i>optional</i>)
2	A1023D	2	3/8" wide bearing spacer
3	A1094A	2	Safety hub outer half
4	A1011	2	Timken tapered axle bearing
5	A1090F	2	Outboard axle seal
6	A1094D	2	O-ring
7	A1090C	2	Wedding ring
8	A1092C	8	Housing end studs
9	A1094B	1	Driver side caliper mount for GT disc brakes (<i>A1094 only</i>)
9b	A1094BC	1	Driver side caliper mount for Cobra disc brakes (<i>A1095 only</i>)
10	A1100F	2	Inboard axle seal
11	A1092E	2	Housing end gasket
12	S3402N	8	3/8" washer
13	F1282	8	3/8"-24 jet nut
14	A1094C	1	Passenger side caliper mount for GT disc brakes (<i>A1094 only</i>)
14b	A1094CC	1	Passenger side caliper mount for Cobra disc brakes (<i>A1095 only</i>)

Housing Preparation

1. Remove wheel and tire, brake caliper and rotor. The caliper does not have to be completely disconnected. Securely hang it on the side. Do not allow it to hang by the brake hose.
2. Remove axle from the housing (*axle c-clip must be removed first*).
3. Unbolt the stock caliper bracket from the housing.
4. Remove the stock bearing and seal from the housing snouts. This is best accomplished using a slide hammer.
5. Refer to figure 1 and shorten the housing snout leaving the register for the backing plate only.
Note: Remove any rust, dirt, burrs or grease from the face of the modified housing.

Axle Preparation (*Wheel studs must be installed prior to installing the optional reluctor ring*)

6. If using ABS press the optional reluctor ring (1) onto the axle against the small step.
Note: The raised nose of the reluctor ring must face the axle flange
7. Slide the 3/8" wide bearing spacer (2) on the axle against the large step with the chamfer facing the flange.
8. Press the safety hub assembly (3,4,5) onto the axle with the o-ring groove facing inboard.
Note: Press only on the inner race of the bearing and ensure bearing seats fully against the spacer (2).
9. Press the wedding ring (7) on the axle until it seats flush against the bearing.
10. Position the o-ring (6) in the safety hub (3) groove.

Axle Installation

11. Slide the caliper mount with the inboard seal (9,10) thru the housing end studs (8) and against the safety hub assembly.
12. Prior to applying RTV sealer and installing housing end gasket (11) ensure axle spline engagement following steps below.
13. Coat the spline portion of the axle and the end with white lead compound or grease. This will help determine axle spline engagement and to check for differential contact.
14. Carefully position and re-install the axle with the safety hub assembly into the housing.
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.
15. Remove the axle from the housing and ensure spline engagement is at minimum 1".
16. Apply a thin coating of RTV sealer to both sides of the housing end gasket (11) and slide over the studs against the caliper mount.
17. Reinstall the axle assembly and all factory components and ABS sensor if applicable.

FIGURE # 1: Housing Modification

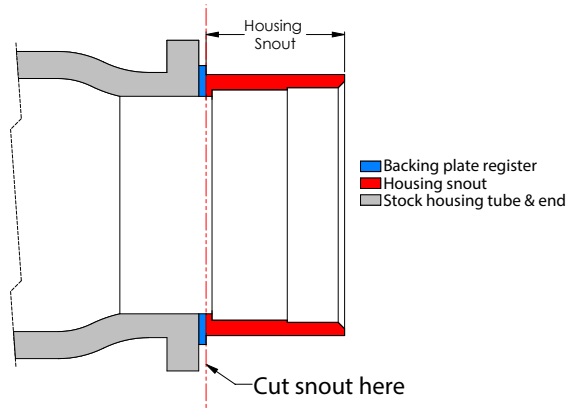


FIGURE # 2: Exploded assembly

