



FORD A4LD FORD 4R44E/4R55E PREMATURE LUBRICATION FAILURE AND FRONT OIL PUMP DIFFERENCES

COMPLAINT: Premature transmission failure due to lack of lubrication and/or no cooler flow until the converter clutch is applied.

CAUSE: The cause may be, a mis-match of A4LD and 4R44E/4R55E bellhousing/oil pump components. The 4R44E/4R55E transmission no longer lubricates the converter hub bushing through the inner pump gear. The 4R44E/4R55E bellhousing, oil pump, oil pump plate, inner pump gear, and pump to case gasket were redesigned to improve converter hub bushing and rear case lubrication. Listed below are the parts that changed on the 4R44E/4R55E components, and how to identify them.

- (1) PUMP GASKET - An elongated hole was added to the 4R44E/4R55E pump gasket to accommodate changes in the related parts, for increased rear case lubrication. Refer to Figure 1.
- (2) PUMP BODY - Added channel in the 4R44E/4R55E pump body for improved converter hub bushing lubrication, and a new bolt hole to accommodate an added bolt for increased clamping. Refer to Figure 2.
- (3) PUMP PLATE - The 4R44E/4R55E pump plate has two additional holes to accommodate the added channel in the pump body, an added bolt hole for the added bolt, an elongated lube hole, and the TCC feed passage was relocated. Refer to Figure 3.
- (4) BELLHOUSING - The 4R44E/4R55E bellhousing has an added passage to accommodate the pump body changes for increased lubrication to the converter hub bushing, as shown in Figure 4.
- (5) INNER PUMP GEAR - The 4R44E/4R55E inner pump gear has an easily missed change to the inside diameter and an "O" ring added in a new groove on the inside diameter to accommodate the re-routing of converter hub bushing lubrication, as shown in Figure 5.

CORRECTION: During rebuild, if any oil pump/bellhousing components are damaged and require replacement, you must verify that the proper components are being used.

Special Note: The 4R44E/4R55E pump and bell housing components can be used on the A4LD transmission, *when all parts listed above are used as a package*. It is not recommended to install A4LD parts onto a 4R44E/4R55E transmission. Refer to Figures 1 through 5.

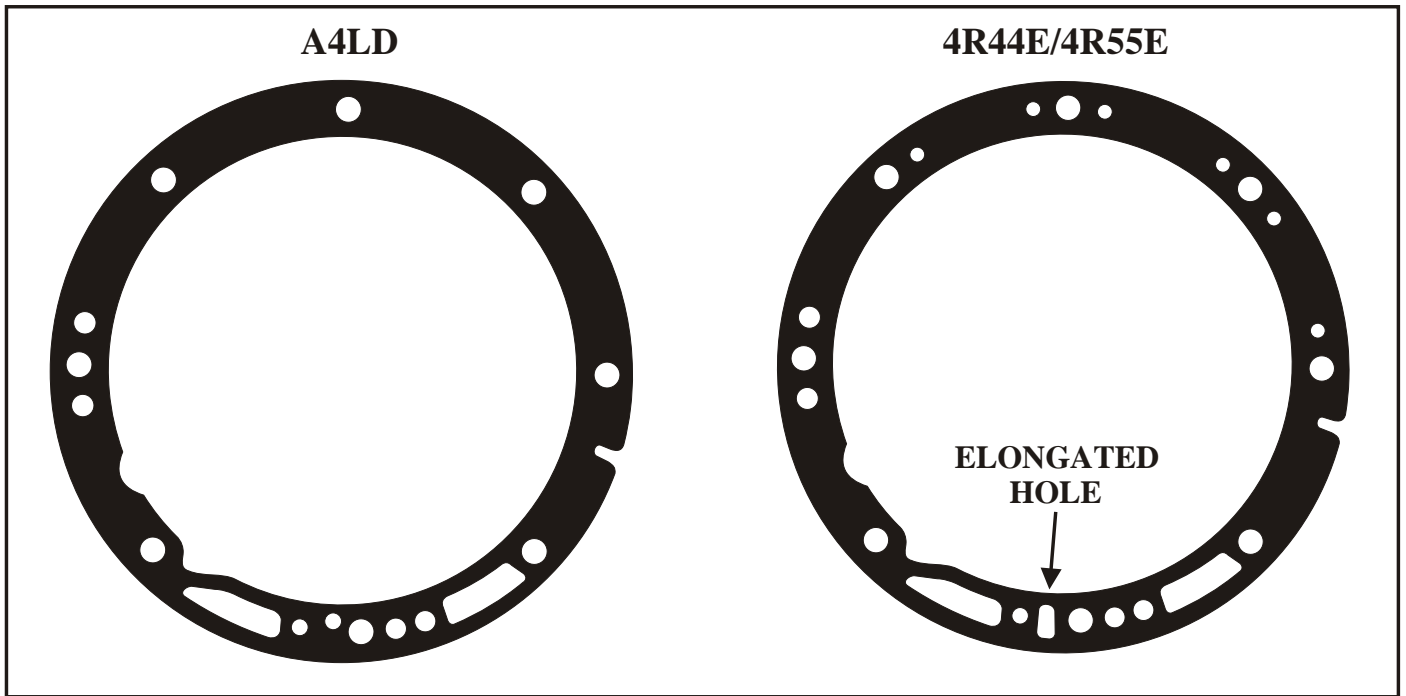


Figure 1

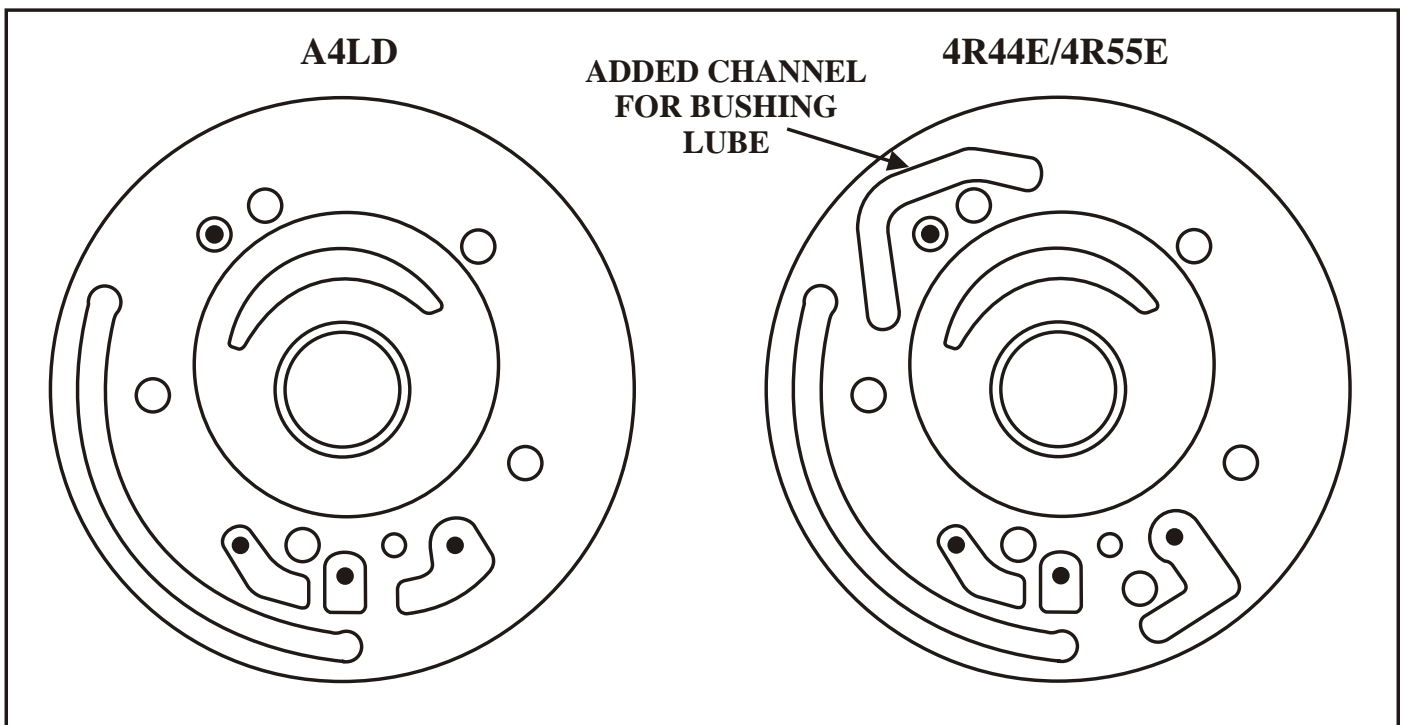


Figure 2

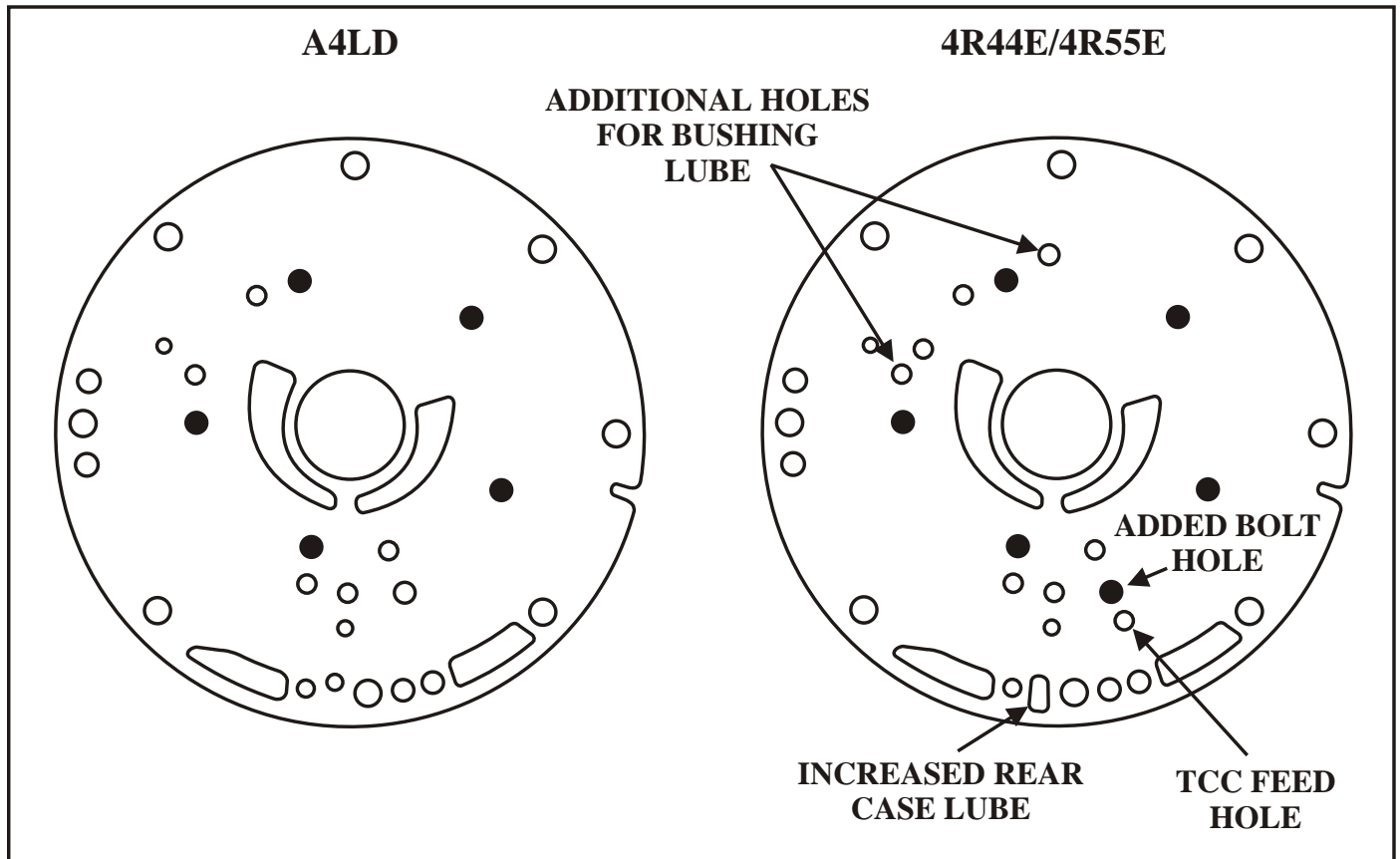


Figure 3

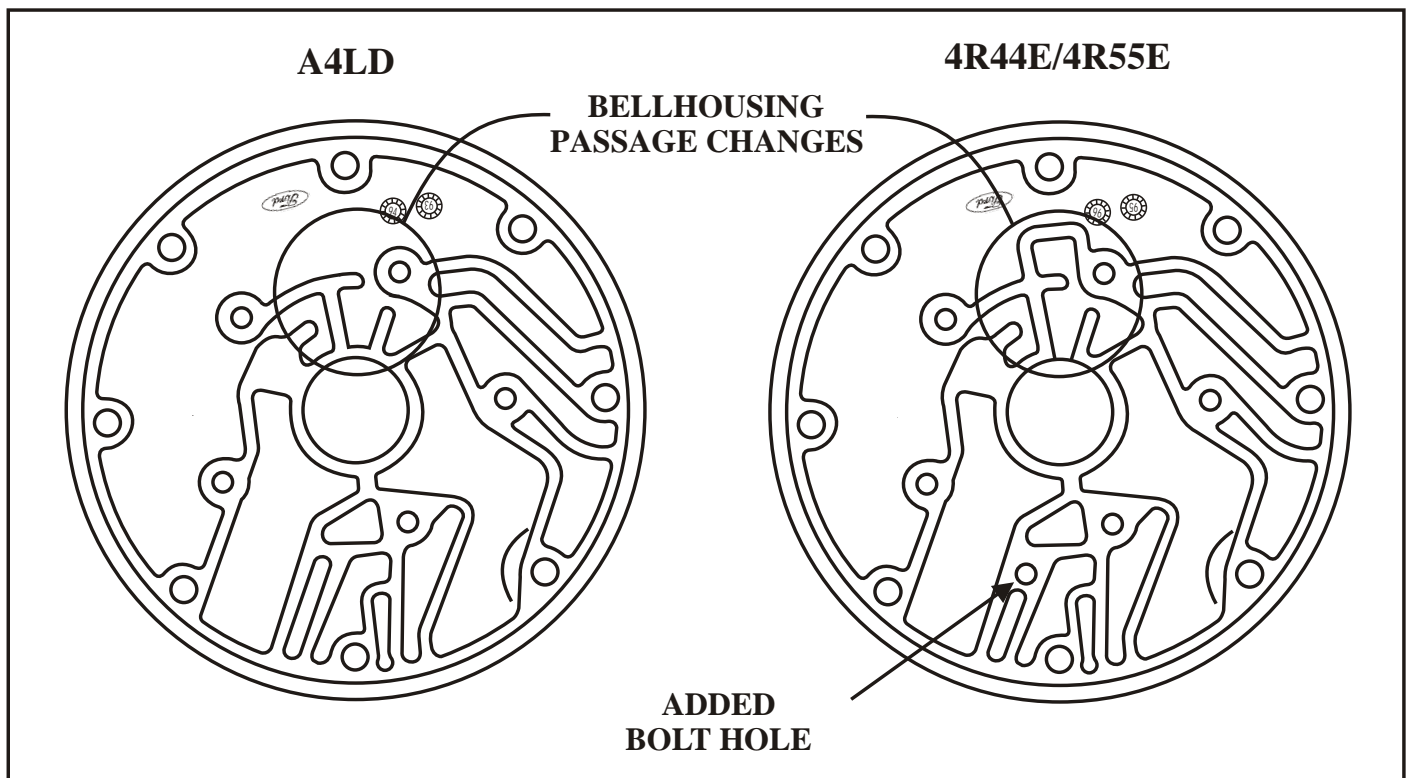


Figure 4

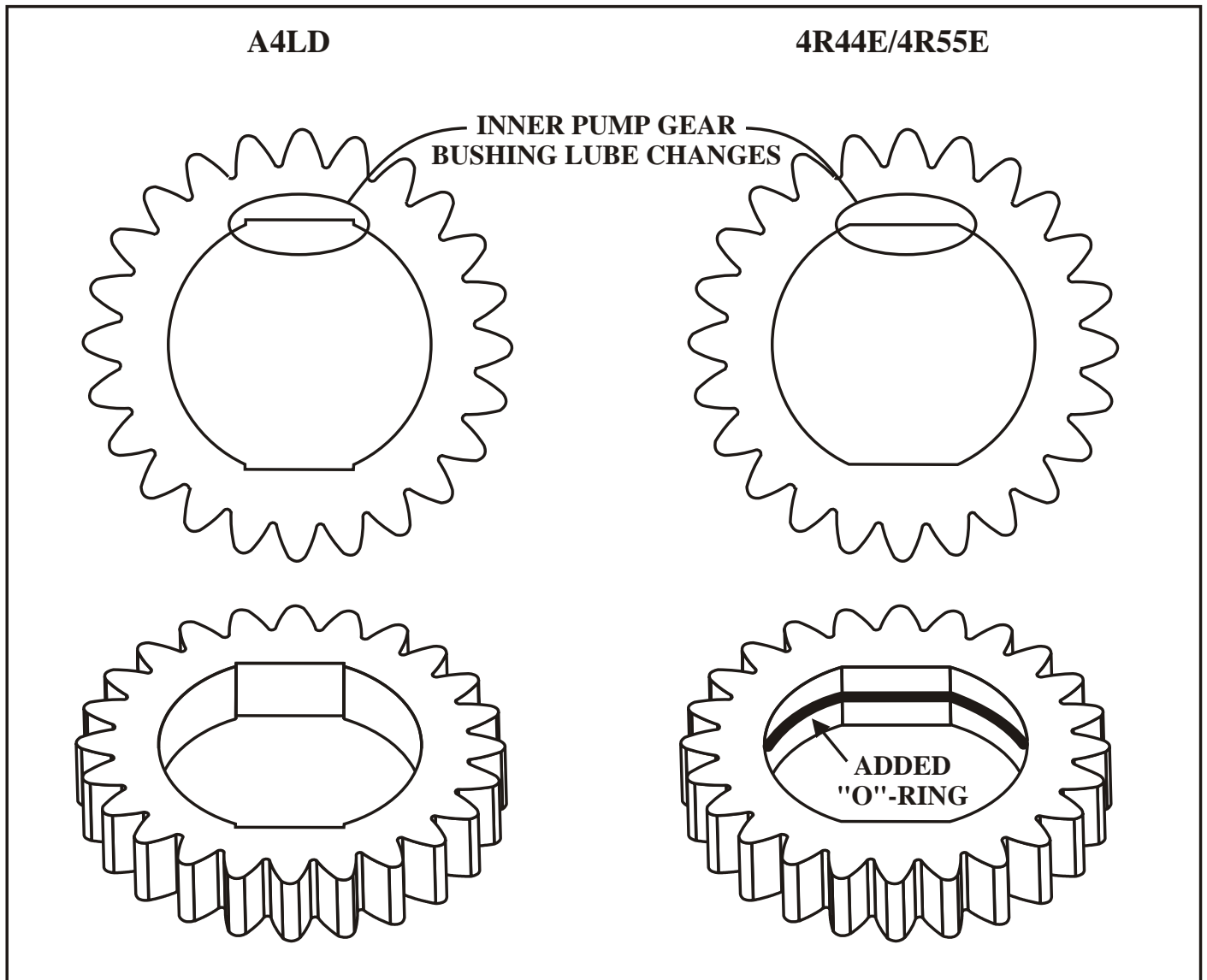


Figure 5