



**FORD 4R70W**

**CENTER GEAR CASE CHANGE**

**CHANGE:** A service kit is now available, containing the Forward Sun Gear, the #5 bearing and sun gear shell as illustrated in Figure 1.

**REASON:** To eliminate the mismatch of these parts which would result in gear noise as well as damage to these and other internal transmission components due to dimensional differences.

**PARTS AFFECTED:**

- (1)The new Forward Sun Gear has an ID groove and blue dye stripe below the splined area and is 4.0”(101.6mm) long.  
The previous Forward Sun Gear does not have an ID groove or a blue dye stripe and is also 4.0” (101.6mm) long.
- (2)The new #5 bearing is now a two piece design and is .205” (5.24mm) thick.  
The previous one piece bearing is .177” (4.5mm) thick.
- (3)The new Sun Gear Shell has an ID groove at the base of the bowl and has an overall height of 4.02” (102.11mm).  
The previous Sun Gear Shell does not have an ID groove and has an overall height of 4.13” (104.90mm).  
All of the above measurements can be seen in Figure 2.

**INTERCHANGEABILITY:**

This service kit will back service all 4R70W transmissions from 1994 to 2003. It cannot be used in 2004 models due to the addition of a turbine speed sensor which created a different sun gear shell.

**SERVICE INFORMATION:**

*1994 to 2003 Center Gear Case Service Package.....4L3Z-7D234-M*