



Technical Service Information

THM 440-T4 SLIPPING OR NO 1-2 SHIFT (VESPEL RINGS)

A soft, slipping or no 1-2 shift condition may result if the two cast iron seals between the driven sprocket support and 2nd clutch housing bind to the driven sprocket support and wear into the 2nd clutch housing.

DATE OF PRODUCTION CHANGE: (Figure 1)

Start of Production for all 1987 440-T4 transaxle models.

SERVICE ACTION: (Figure 2)

Inspect the cast iron oil seal rings (607) for wear (indicated by a shiny surface on the O.D.) and the 2nd clutch housing (611) for wear (grooves caused by the seal rings). The driven sprocket support may not appear affected, but must be replaced if these wear conditions are present.

For all 1984 through 1986 model year THM 440-T4 transaxles, it is recommended that the new Vespel (TM) oil seal rings, 4-lobe ring seals and driven sprocket support be installed with other parts that indicate wear (such as the 2nd clutch housing).

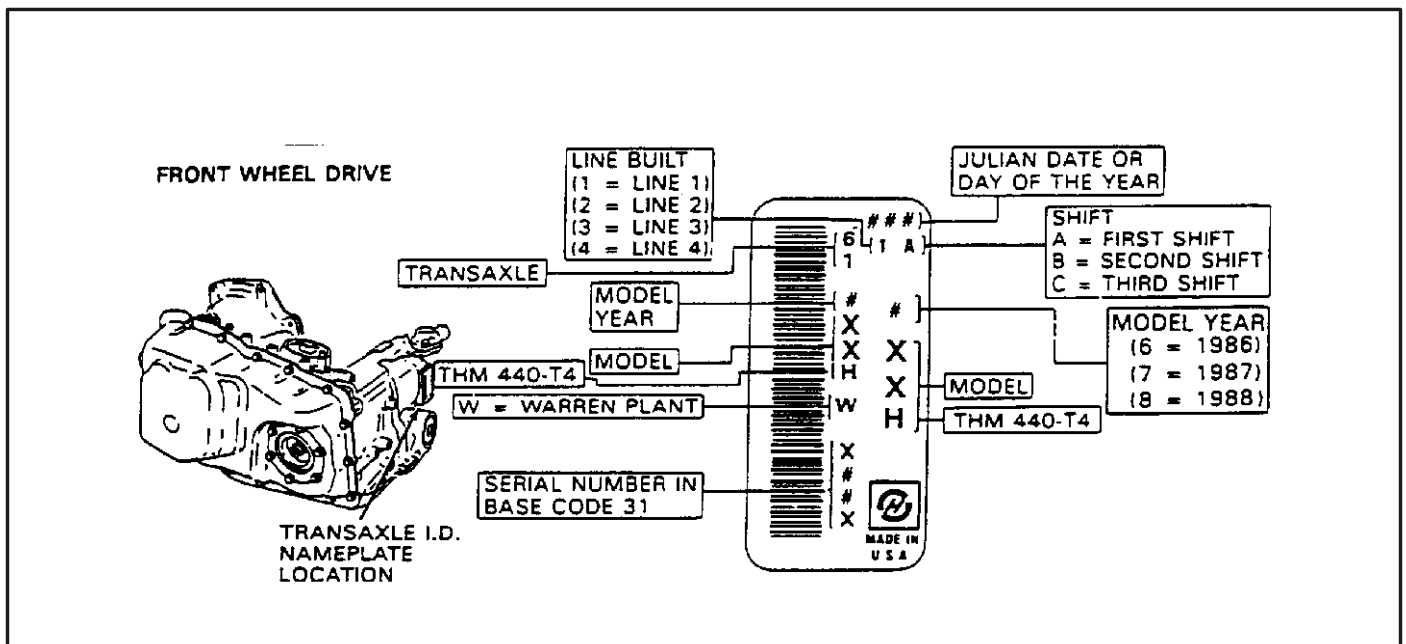


Figure 1



Technical Service Information

SERVICE PARTS INFORMATION:

Due to the changes in the driven sprocket support for 1987, the new Vespel (TM) oil seal rings and 4-lobe ring seals are not interchangeable with the cast iron oil seal rings on models built prior to 1987 Start of Production (SOP). Changes made to the driven sprocket support include deeper seal ring grooves and "cutouts" to accommodate the ring tangs which prevent the Vespel (TM) oil seal rings from rotating (refer to Figure 3). The new Vespel (TM) oil seal rings, 4-lobe ring seals and driven sprocket support are included in the following service package assembly and services all model years:

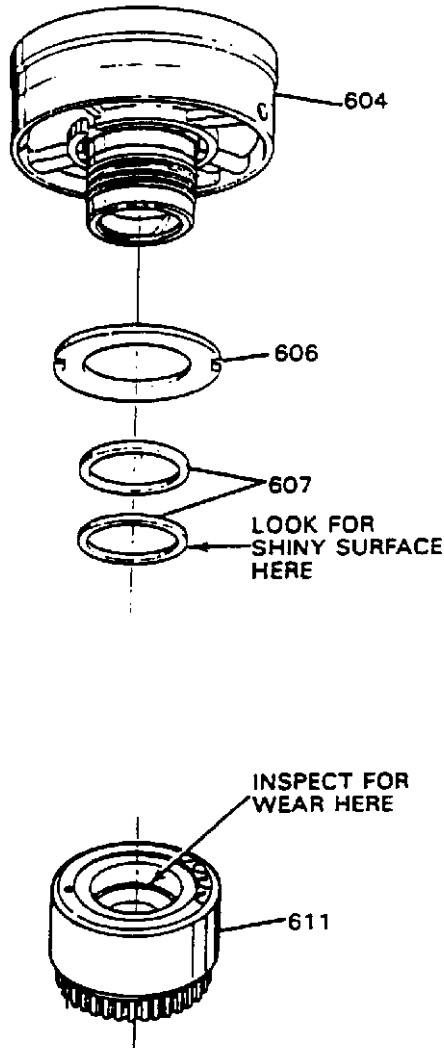
1984-1987 8662523 DRIVEN SPROCKET SUPPORT ASSEMBLY

Refer to the appropriate parts catalog for other part numbers (such as 2nd clutch housing) for the appropriate year and model transaxle being serviced.

SERVICE NOTES: (Figure 3, Item 697)

IMPORTANT: When installing a 4-lobe ring seal, make sure that it is not rolled or twisted. Lubricate the vespel rings with petroleum jelly for easier installation into the 2nd clutch housing.

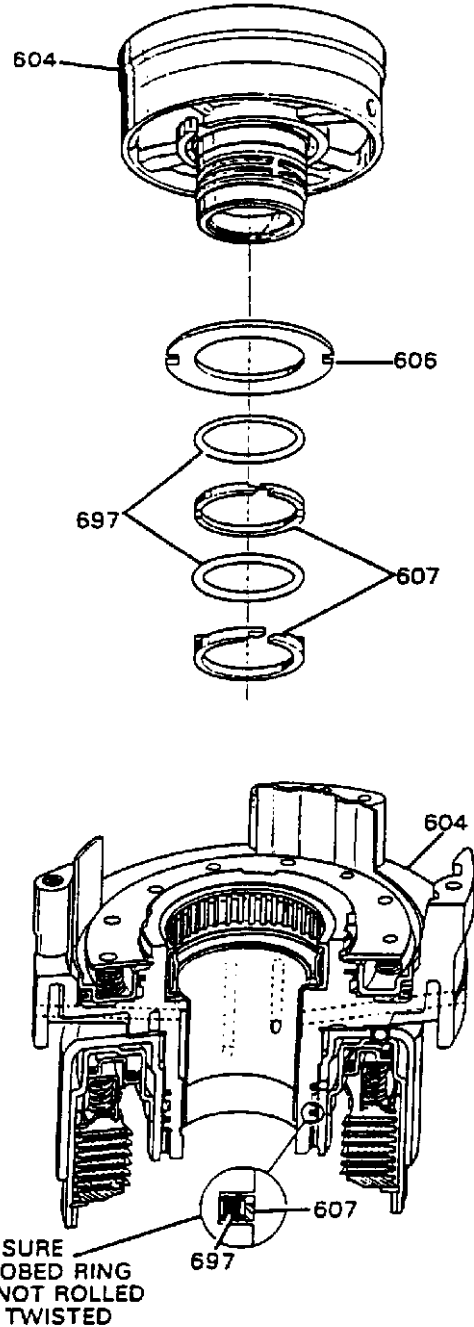
PAST DESIGN



- 604 SUPPORT, DRIVEN SPROCKET
- 606 WASHER, THRUST (SUPPORT/2ND CLUTCH)
- 607 SEAL, CAST IRON RING (SUPPORT/2ND CLUTCH)
- 611 HOUSING, 2ND CLUTCH

Figure 1

NEW DESIGN



- 604 SUPPORT, DRIVEN SPROCKET
- 606 WASHER, THRUST (SUPPORT/2ND CLUTCH)
- 607 RING, VESPEL (SUPPORT/2ND CLUTCH)
- 697 SEAL, 4-LOBED (SUPPORT/2ND CLUTCH)

Figure 2