



# Technical Service Information

## **THM 440-T4 SINGLE CAGED O.D. SHAFT BEARING**

**CHANGE:** There is now a new Output Shaft/Bearing Assembly, and a new style 3rd Roller Clutch Assembly (See Figures 1 and 2). Beginning on December 11, 1989 (Julian Date 345) all 1990 model 440-T4 transaxles were built with the new 3rd Roller Clutch Assembly, and the new Output Shaft/Bearing Assembly went into production on January 25, 1990 (Julian Date 025).

**REASON:** Improved lube oil flow to 3rd roller clutch and input sprag.

**PARTS AFFECTED:**

(1) OUTPUT SHAFT/BEARING - The new bearing has a single row of needle bearings instead of a double row, and the output shaft is machined different to accommodate the new bearing (See Figure 1). This change will improve lube oil flow to the 3rd roller clutch and input sprag.

(2) 3RD ROLLER CLUTCH ASSEMBLY - The new 3rd roller clutch outer race has four (4) less lube holes than previous models. The four lube holes are in line with the very end of the rollers (See Figure 2). Elimination of these holes helps keep the rollers from "Skewing" (Running at an Angle), thus generating less heat.

**INTERCHANGEABILITY:**

The new Output Shaft/Bearing Assembly will retro-fit back to 1988 models only, because the longer output shaft was required for the up-dated final drive assembly that had the larger side gears. IT WILL NOT FIT INTO 84-87 MODEL TRANSAXLES. The new 3rd Roller Clutch Assembly will service all 1989 models that are equipped with the input housing thrust bearing assembly. IT WILL NOT FIT TRANSAXLES WITH THE "TOP HAT" THRUST WASHER.

**SERVICE INFORMATION:**

Output Shaft and Bearing Assembly (New Style) .....	8668990
Needle Bearing Only (New Style) .....	8675032
3rd Roller Clutch Assembly (New Style) .....	8677016

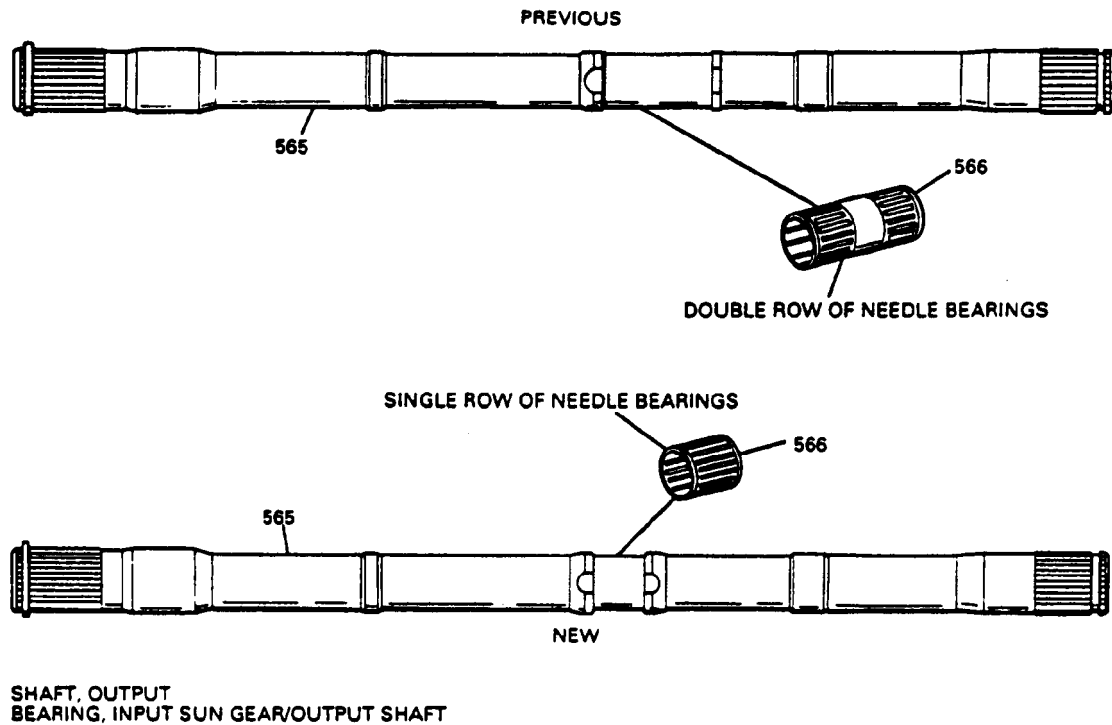


Figure 1

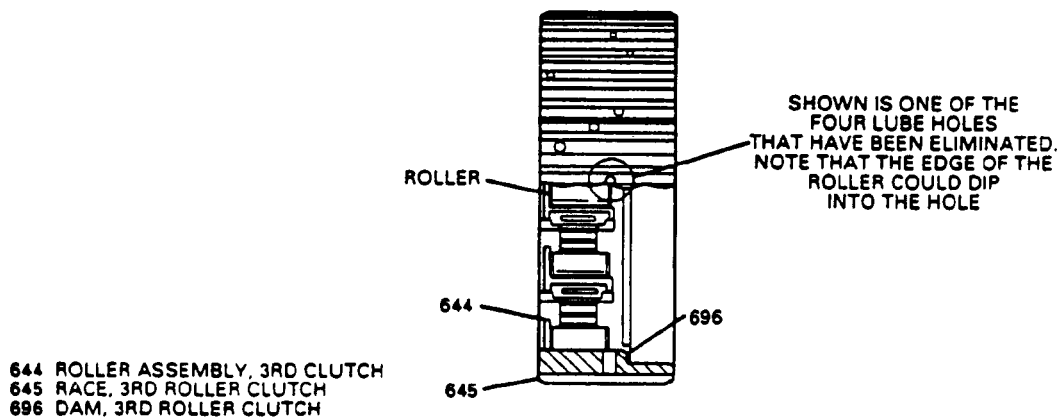


Figure 2