



Technical Service Information

THM 3T40 (125C) RE-DESIGNED FORWARD CLUTCH PACK

CHANGE: Beginning June 24, 1993 (Julian Date 154) ALL 3T40 (125C) transaxles were built with a re-designed Forward Clutch Pack, as shown in Figure 2.

REASON: Improved garage shift from "Reverse to Drive" after removal of the thermo element from the manual valve. The thermo element was eliminated from the manual valve in production models effective April 1, 1993, on all models except "A" Car and "T" Car applications (See Figure 1).

PARTS AFFECTED:

(1) WAVE PLATES - The two previous "Wave" plates have been eliminated, as shown in Figure 2.

(2) BELLVILLE PLATE - Added to the forward clutch pack to replace the two wave plates, and provides more resistance to improve the forward clutch apply feel (See Figure 2).

(3) STEEL PLATE - There is one "Flat" Steel plate added next to bellville plate, as shown in Figure 2.

(4) BACKING PLATE - The backing plate used in the re-designed forward clutch pack happens to be the thinnest of the current design selective backing plates, and was used to make the forward clutch clearance correct. Because of the elimination of the "Wave" plates there is no longer any need for selective backing plates and this backing plate will be used in all models. The backing plate being used is .125"-.131" thick and is stamped "D" for identification.

(5) BACKING PLATE SNAP RING - The backing plate snap ring used in the new design forward clutch pack is also a previous design level snap ring that is slightly larger in diameter (Stronger) than the current snap ring, to accommodate the added bellville plate. The stronger snap ring is identified with "Square" cut ends instead of "Stepped" cut ends as shown in Figure 3. The "Stepped" cut snap ring is now used ONLY in the direct clutch pack.

The new design parts listed above will service ALL 3T40 (125C) transaxles back to 1987 when used as a package, AND THE THERM-O ELEMENT IS REMOVED FROM THE MANUAL VALVE.

NOTE: We recommend that the thermo element be removed from the manual valve on ALL models so equipped, listed below. and install the conversion package part number Removing the thermo element will eliminate premature Lo/Reverse clutch failure (ATSG Bulletin 92-40), and installing the conversion package will restore the proper shift feel from "Reverse to Drive" with the thermo element removed.

SERVICE INFORMATION:

Forward Clutch Bellville Plate (New Design)	8685867
Forward Clutch Backing Plate (Stamped "D")	8664163
Forward Clutch Backing Plate Snap Ring (Stronger)	8631028
Conversion Kit Service Package (Includes 3 Parts Listed Above)	24200477
Forward Clutch Steel Plate (Current Design)	8683084

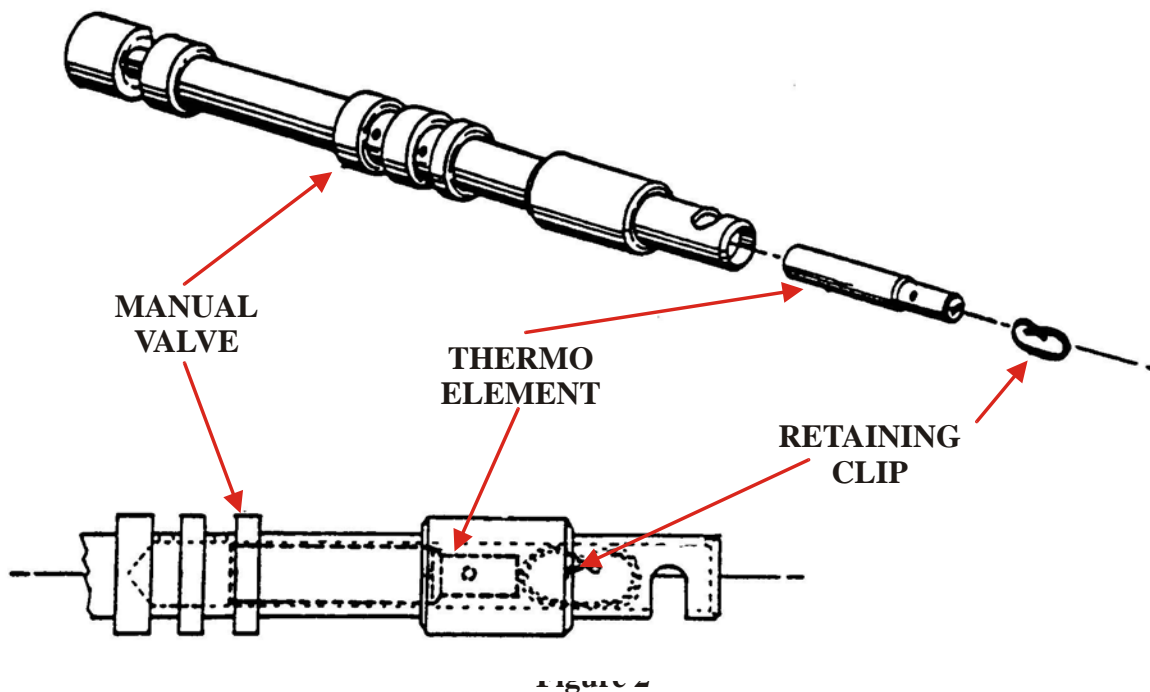
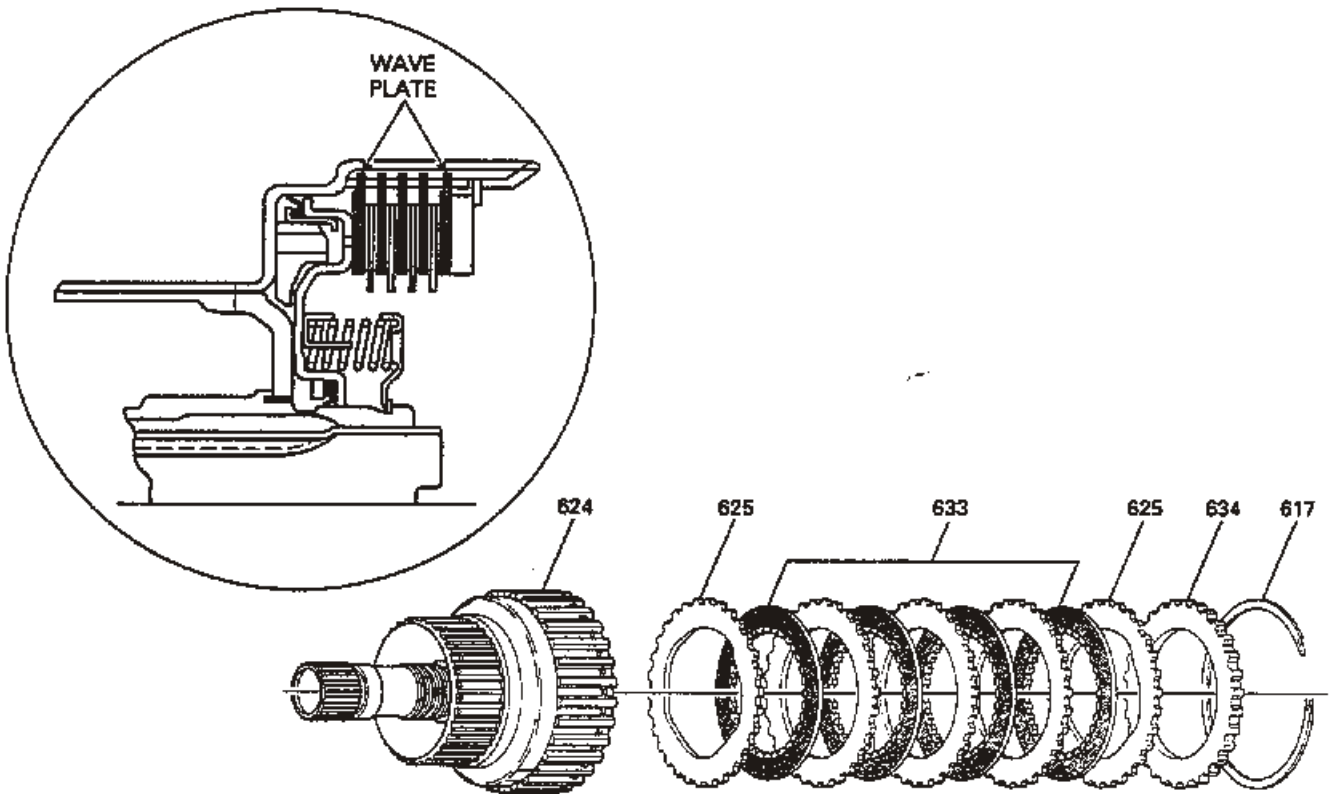


Figure 1

PREVIOUS DESIGN FORWARD CLUTCH



RE-DESIGNED FORWARD CLUTCH

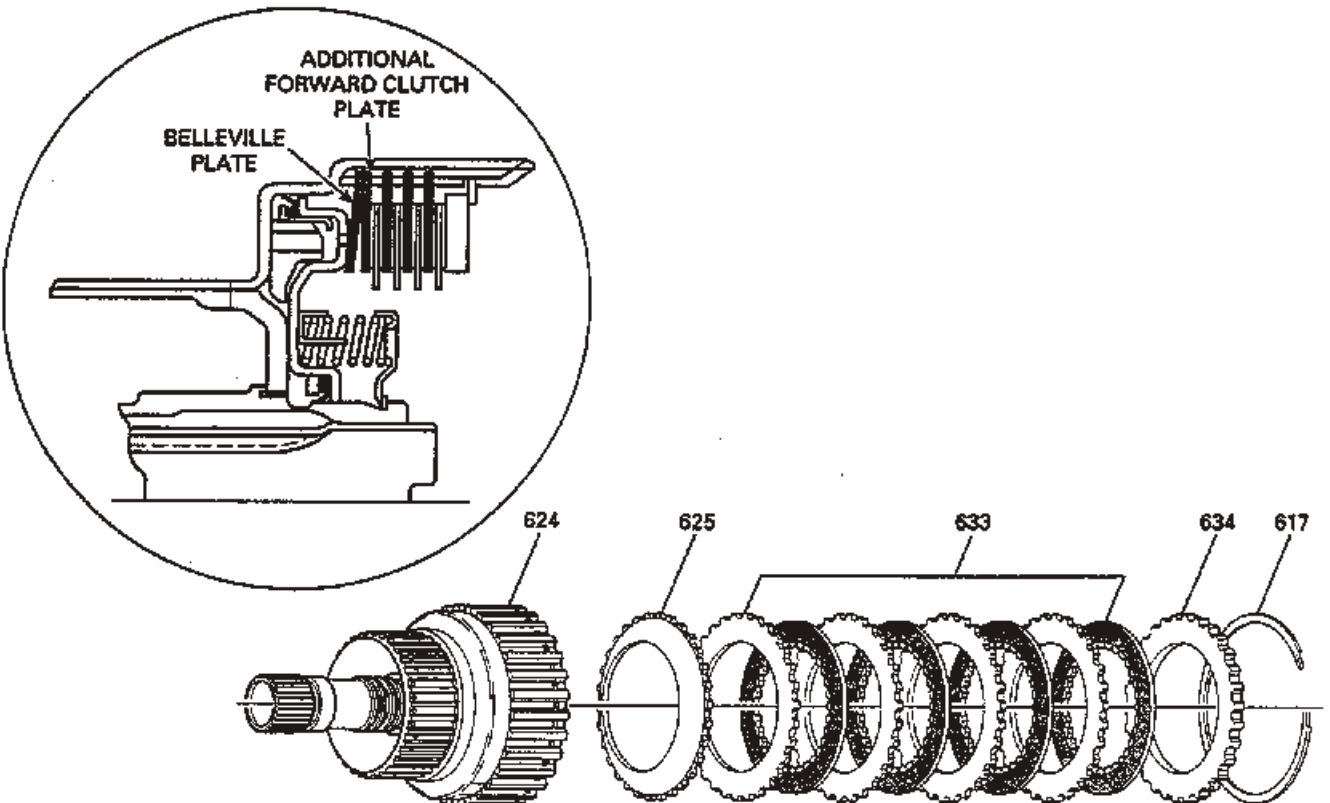


Figure 3

FORWARD CLUTCH BACKING PLATE SNAP RING

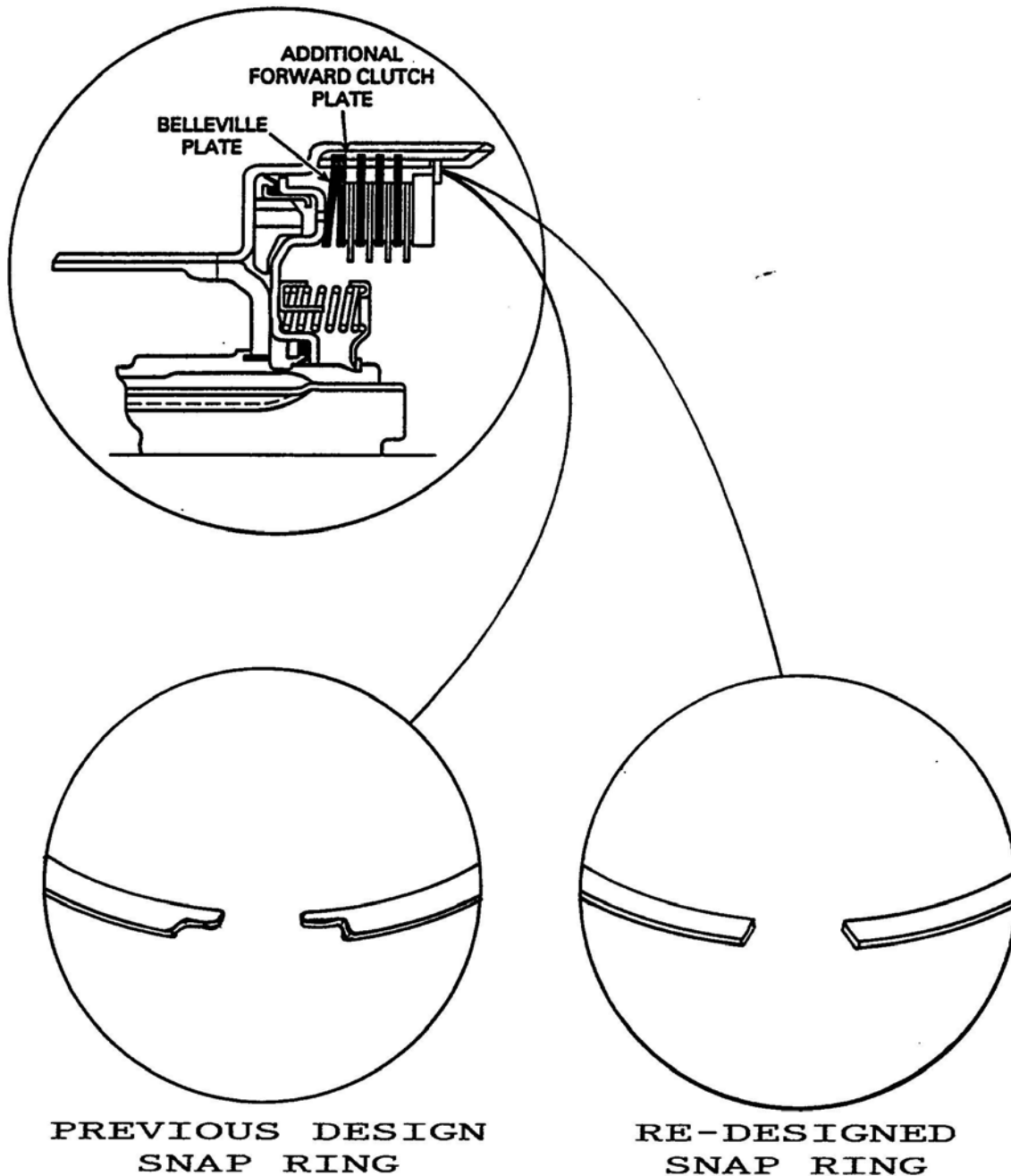


Figure 4