



Technical Service Information

THM 4L80-E NEW DESIGN MANUAL 2ND BAND

CHANGE: Beginning at the start of production for 1999 models, all THM 4L80-E transmissions were built with a revised manual 2nd band that is wider than the previous design (See Figure 1).

REASON: Improved durability and reliability.

PARTS AFFECTED:

- (1) MANUAL 2ND BAND - Now 1-1/4 inches wide instead of the previous 1 inch wide, and manufactured with a revised band apply pin anchor, as illustrated in Figure 2.
- (2) MANUAL 2ND BAND APPLY PIN - The band apply pin has a revised overall length, 2.730" instead of the previous 2.530", to accommodate the revised apply pin anchor, as illustrated in Figure 2.

INTERCHANGEABILITY:

The new design "Wide Band" will retro-fit back, but you must purchase the new design band apply pin that is .200" longer than the previous design. Currently, it is only available in a service package that includes the piston and the return spring, under part number 24223081, as shown in Figure 2.

SERVICE INFORMATION:

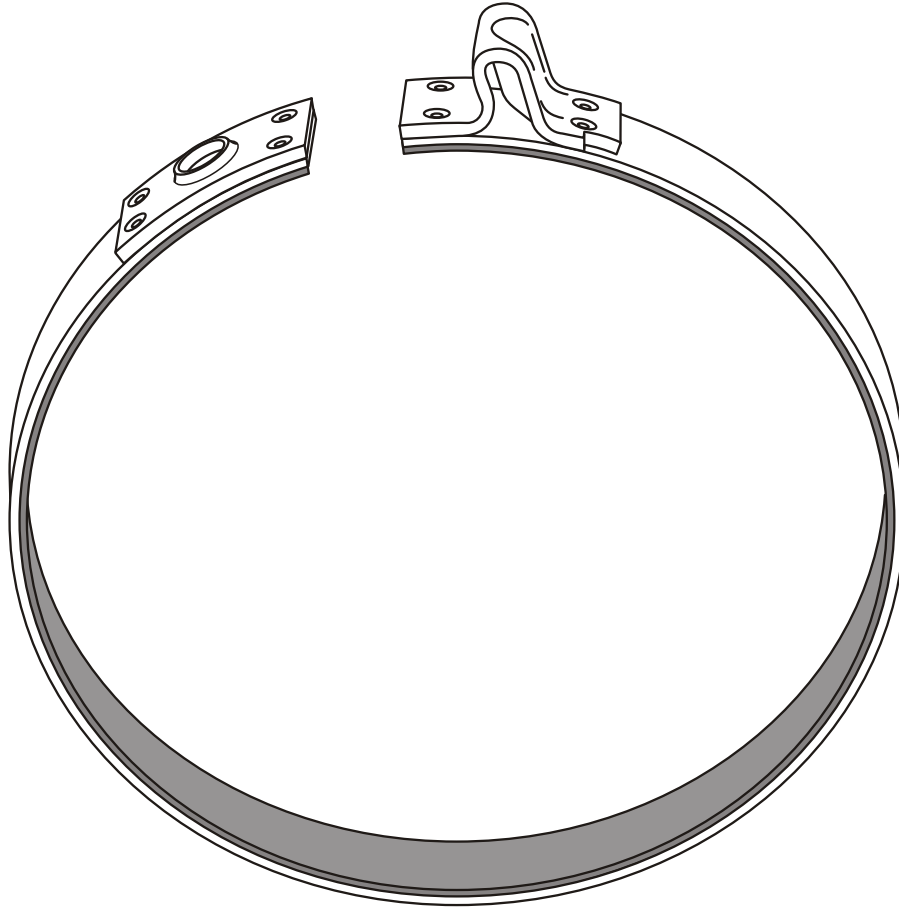
"Narrow" Manual 2nd Band	24202631
"Wide" Manual 2nd Band	24210080
Apply Pin Service Package (Narrow Band)	24200418
Apply Pin Service Package (Wide Band)	24223081

Special Service Note:

If the "Wide Band" is used with the Narrow Band Apply Pin, the result will be No Engine Braking when selector lever is moved to the Manual 2nd position, because the apply pin is not long enough to apply the band.

If the "Narrow Band" is used with the Wide Band Apply Pin, the result will be 2nd Gear Starts and tie-up on the 2-3 shift and tie-up in reverse, because you have mechanically applied the band because of the length of the pin.

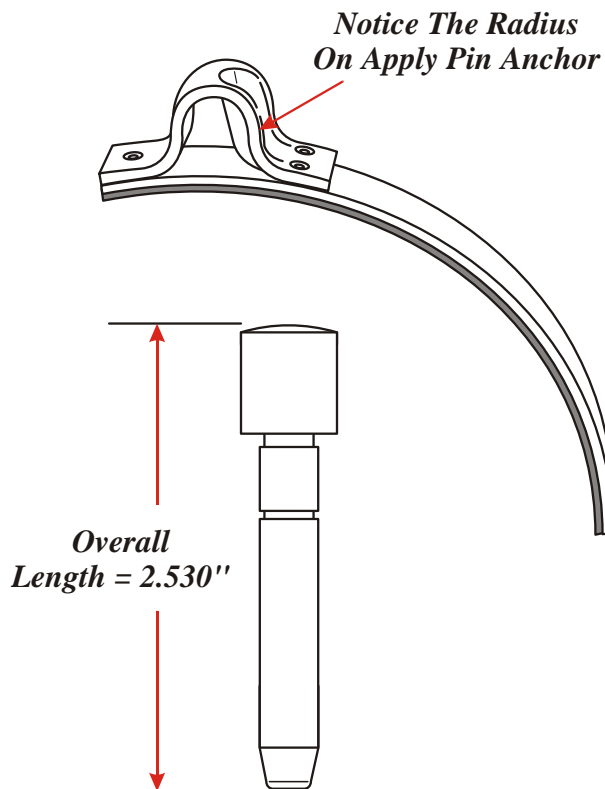
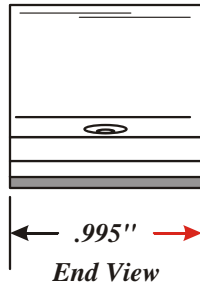
MANUAL 2ND BAND



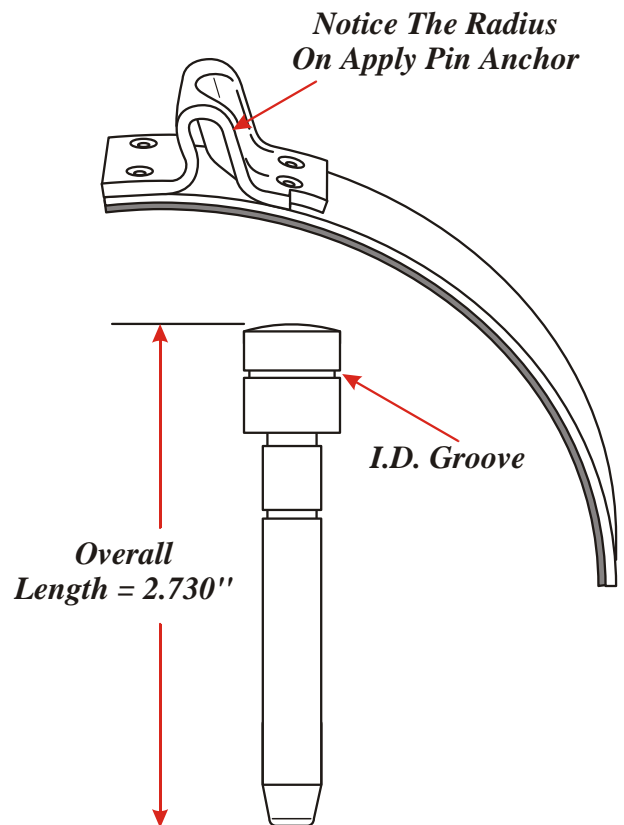
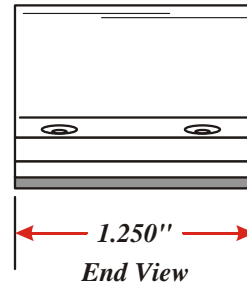
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Figure 1

"NARROW" MANUAL 2ND BAND

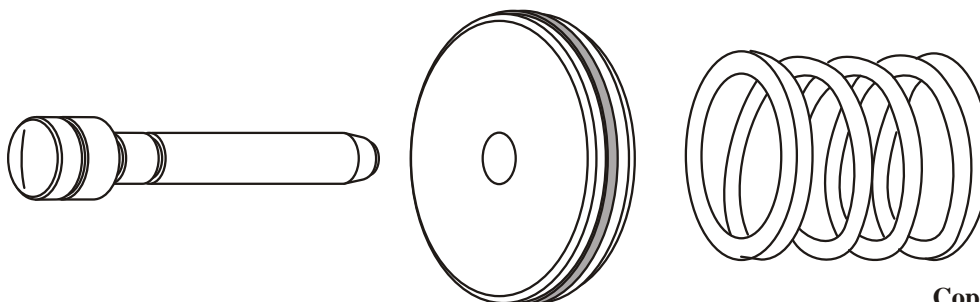


"WIDE" MANUAL 2ND BAND



CONTENTS OF SERVICE PACKAGES

"Wide Band" Service Package Part Number 24223081
"Narrow Band" Service Package Part Number 24200418



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Figure 2