



Technical Service Information

THM 440-T4 HARSH 1-2 SHIFT

Some 1985-1987 DeVilles and Fleetwoods and 1986-1987 Eldorados and Seviles may experience a consistently harsh 1-2 shift condition at any throttle angle and any altitude.

This harsh shift condition may be caused by a blocked or partially drilled 2nd clutch feed passage in the case.

To repair this condition inspect the 2nd feed passage for blockage or in-complete drilling operation. To perform this inspection, remove the transaxle oil pan, filter, accumulator cover (with feed pipes and retainer), accumulator cover spacer plate and gaskets (Figure 1). Inspect the 2nd clutch passage by measuring the depth of the hole, which should be a minimum of 72mm (2-13/16") as shown in Figures 2 and 3.

If the passage is not properly drilled:

1. Remove the transaxle from the vehicle and disassemble components up to and including the channel plate.
2. Mark an 8.5mm (21/64") drill bit at 72mm (2-13/16") from the end using a drill stop or some other acceptable method. From the oil pan side of the case, finish drilling the 2nd clutch passage to the proper depth as marked on the drill bit.

NOTE: DRILLING TO DEEP INTO THE 2ND CLUTCH PASSAGE WILL RESULT IN DAMAGE TO THE CASE,

3. Remove metal chips caused by drilling and thoroughly flush the repaired case passages with clean solvent.
4. Reassemble the transaxle.

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- | ILL.
NO. | DESCRIPTION |
|-------------|---|
| 58 | FILTER ASSEMBLY, OIL |
| 59 | PAN, TRANSMISSION OIL |
| 60 | SCREW, SPECIAL (M8 X 1.25 X 16.0) |
| 63 | GASKET, TRANSMISSION OIL PAN |
| 66 | MAGNET, CHIP COLLECTOR |
| 101 | CASE ASSEMBLY, TRANSMISSION |
| 119 | GASKET, ACCUMULATOR COVER (2) |
| 120 | PLATE, ACCUMULATOR SPACER |
| 121 | COVER, ACCUMULATOR |
| 122 | BOLT, ACCUMULATOR COVER/CASE (7) |
| 123 | PIPE, LUBE OIL (ACCUMULATOR COVER/
F.D. INTERNAL GEAR) |
| 124 | PIPE, GOVERNOR RETURN |
| 125 | PIPE, GOVERNOR FEED |
| 126 | SCREEN ASSEMBLY, GOVERNOR |
| 127 | PLUG, ORIFICED CUP (GOVERNOR OIL
PIPES RETAINER) |
| 128 | GASKET, GOV. OIL PIPE RETAINER |
| 129 | RETAINER, GOVERNOR OIL PIPE |
| 130 | BOLT, GOVERNOR PIPE RET. (HEX) (2) |
| 140 | CLAMP, HOSE |
| 141 | HOSE, LUBE OIL (GM 6197 TRANS. OIL
COOLER) |
| 142 | PIPE, LUBE OIL (F.D./HOSE) |
| 143 | RETAINER, F.D. PIPE LUBE OIL |
| 144 | WASHER, F.D. PIPE LUBE OIL RETAINER |

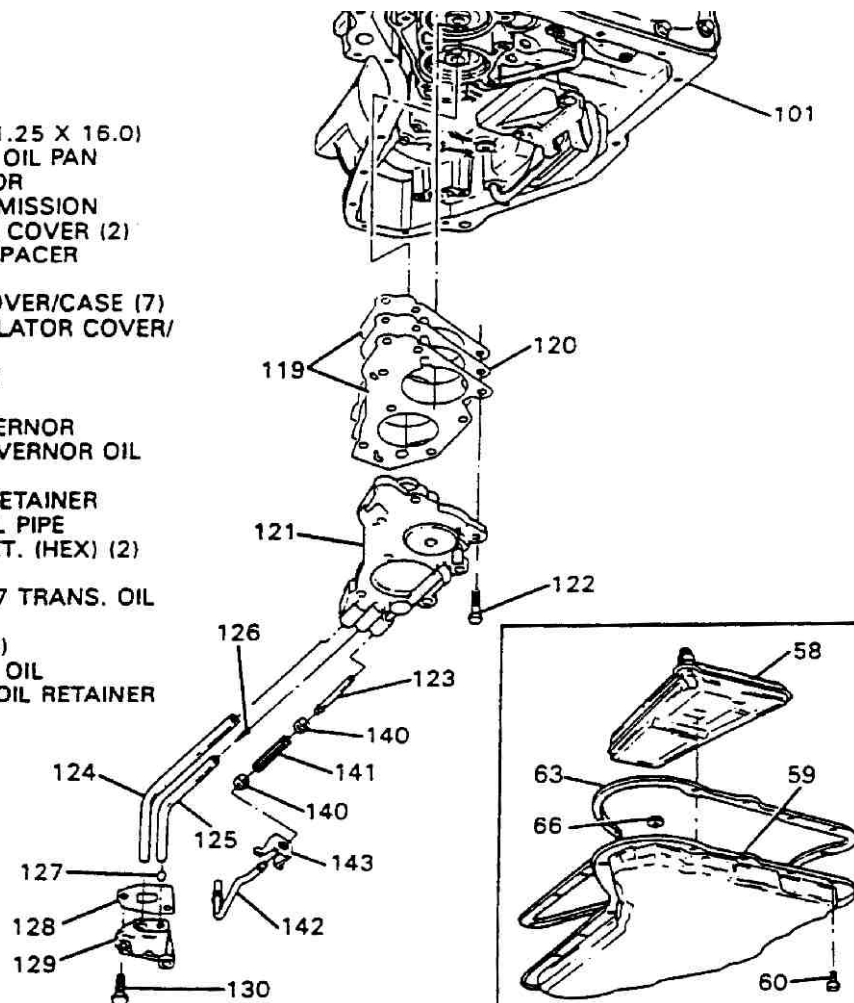
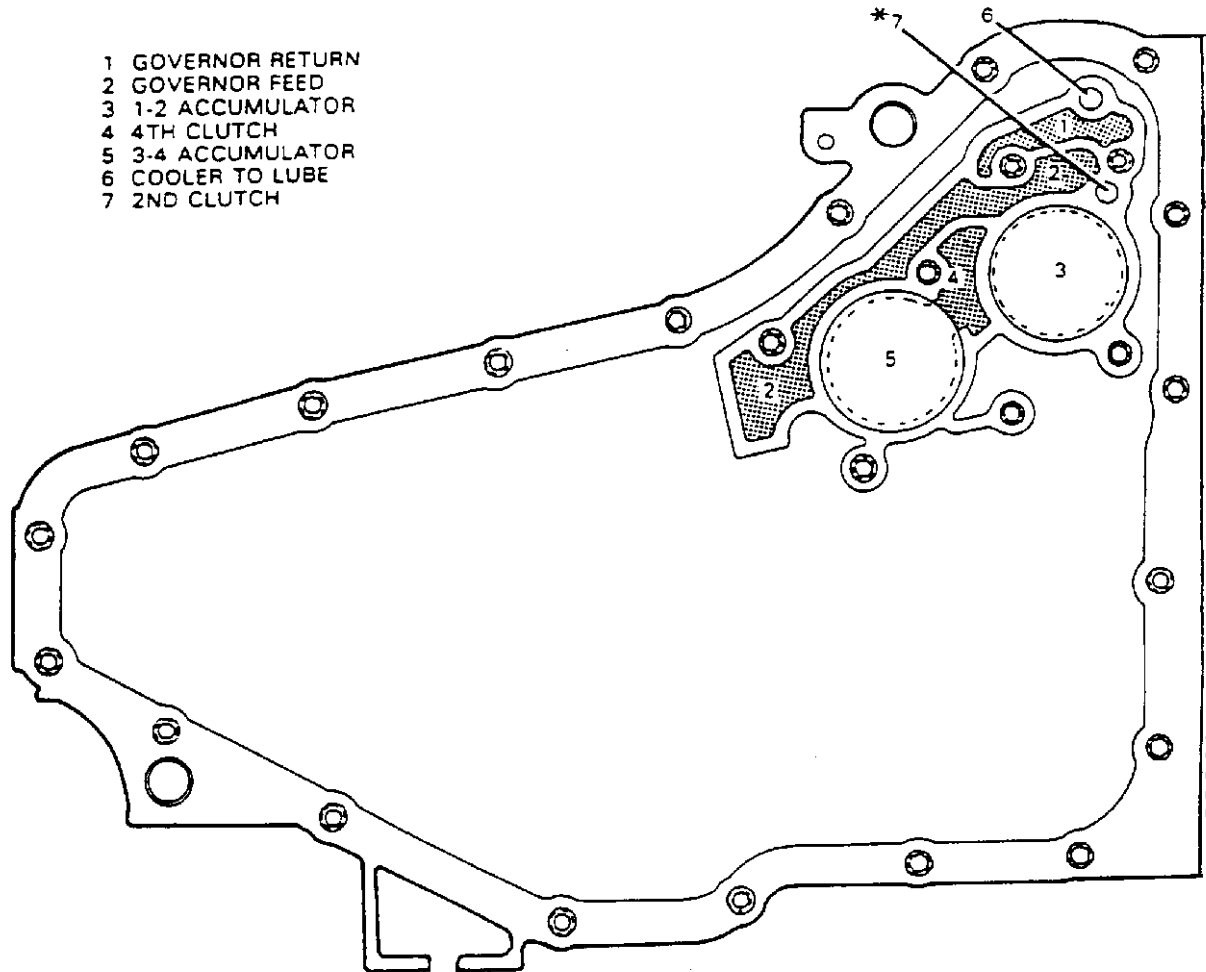
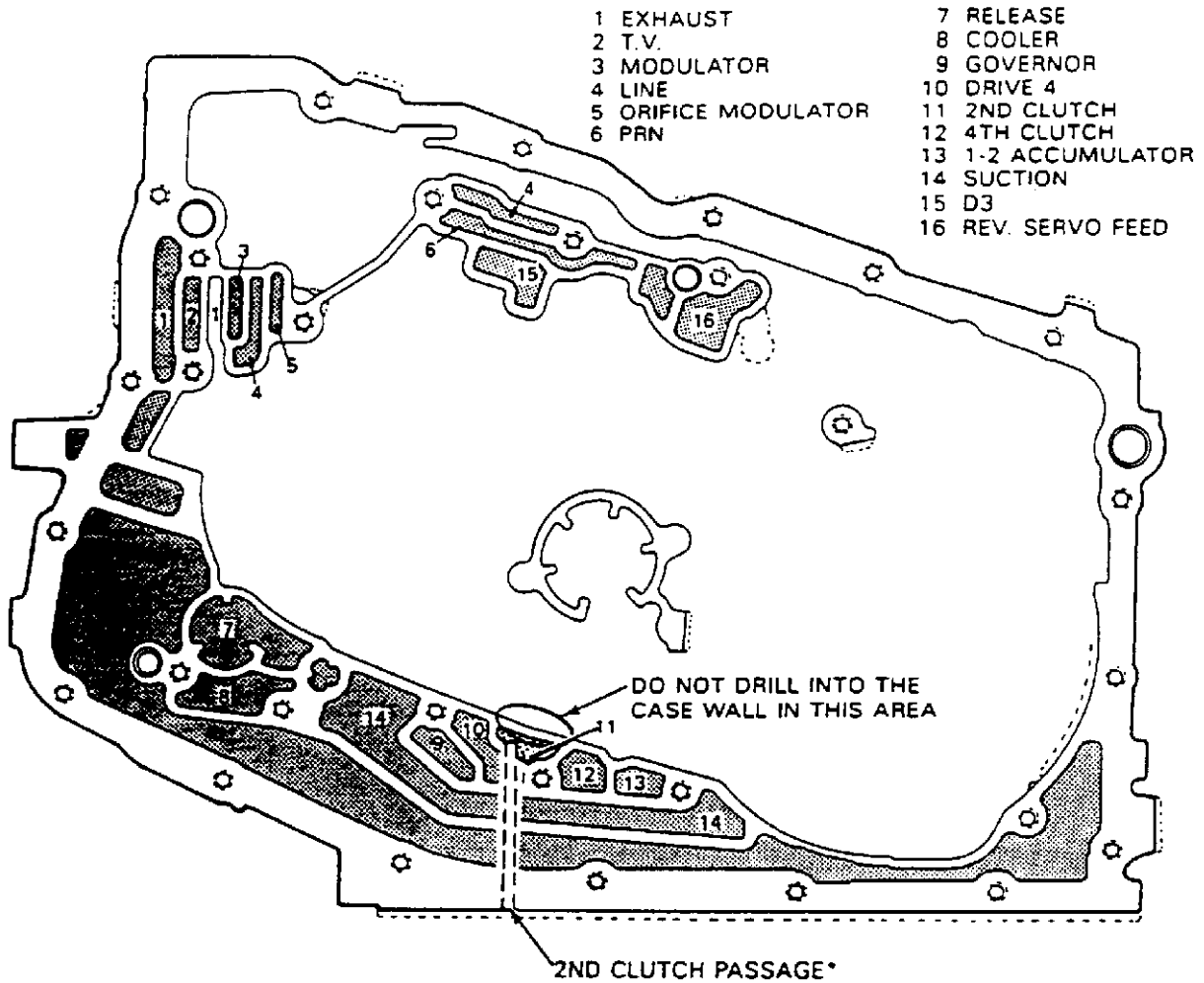


Figure 1



*INSPECT 2ND CLUTCH PASSAGE (#7) FOR DRILLED HOLE DEPTH (SEE FIGURE 3 ALSO). IF REQUIRED USE AN 8.5mm (21/64") DRILL BIT AND FINISH DRILLING THE HOLE TO A DEPTH OF 72mm (2-13/16").

Figure 2



*DRILL BIT SHOULD BE VISIBLE IN 2ND CLUTCH PASSAGE AS SHOWN.