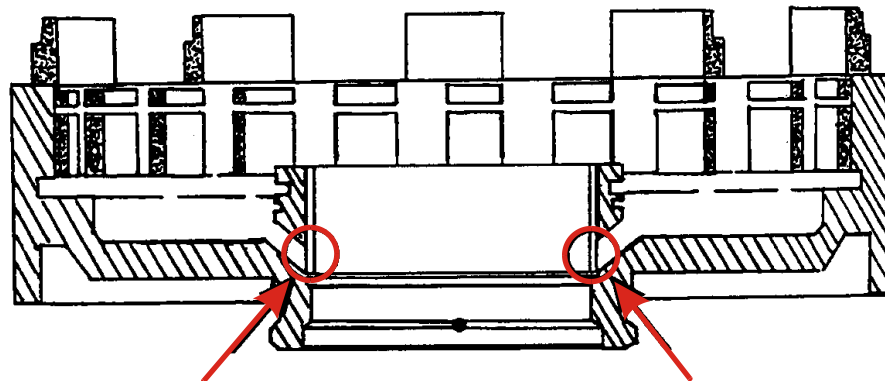


EAGLE 4HP-18 DELAYED OR NO REVERSE

COMPLAINT: ZF-4HP-18 transmissions may exhibit a long delay into reverse or no reverse range at all. The forward gears are fine.

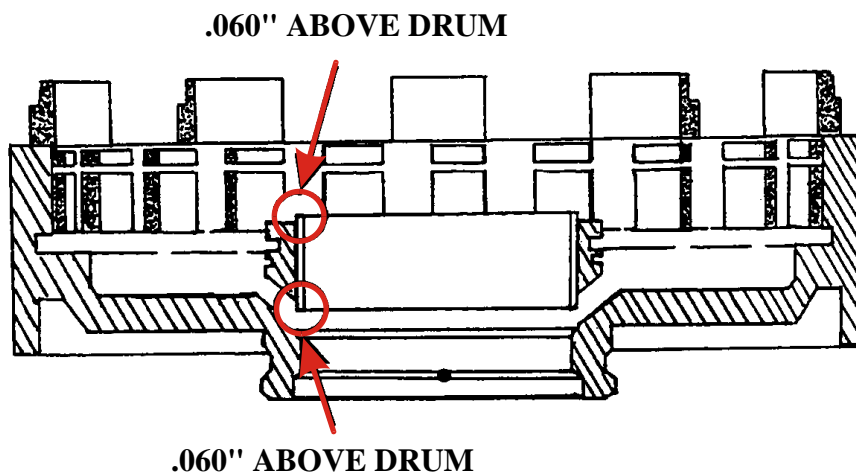
CAUSE: One cause may be that the bushing in the reverse input drum has moved forward blocking the two oil feed holes (See Figure 16). The normal position of the bushing is about .060" above the drum surface and covers 50% of the feed holes (See Figure 17).

CORRECTION: Currently, this bushing is not serviced separately so the entire drum will need to be replaced to correct this condition.



**OIL FEED HOLES BLOCKED BY BUSHING
INCORRECT BUSHING PLACEMENT**

Figure 1



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Figure 2