



# Technical Service Information

## KM 175

### WRONG GEAR STARTS

**COMPLAINT:** After an overhaul, the KM 175 may have wrong gear starts and possibly only one shift, similar to fail safe, but energizing Shift Solenoids A and B cannot make it start in first gear.

**CAUSE:** If the solenoids are not clogged or damaged, one or both of the stopper plates in the upper valve body may have gotten turned around or installed incorrectly when the valve body was opened for cleaning. The stopper plates can prevent the shift control valve from moving if they are installed incorrectly. See figure 1 for valve body position.

**CORRECTION:** When installing both stopper plates in the upper valve body, be certain that they go in with the horseshoe end down. See figure 2. Next, check to make sure that the shift control valve is free to travel past the stopper plates in both directions, and that the end plugs are not straddled by the stopper plates.

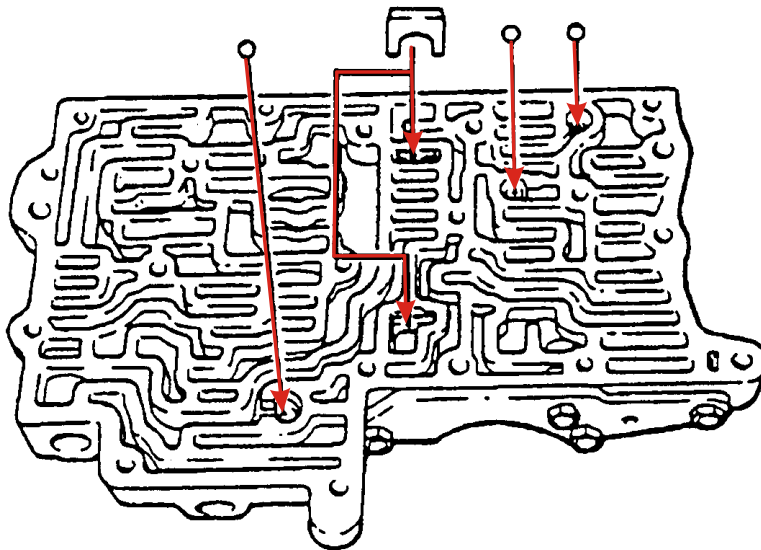
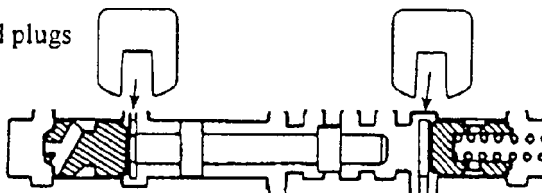


Figure 1

NOTE: Orifice in end plugs  
face out.



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Figure 2