



Technical Service Information

THM 440-T4 NO UPSHIFT

COMPLAINT: No upshift.

CAUSE: Governor - Cause may be an imprex particle under governor ball. Imprex is an impregnation plastic used to seal cases against porosity. When the engine is shut off, the particle may float back into the governor feed passage and then lodge again in the governor when engine is restarted. (See Figure 1)

Leakage at governor oil pipe retainer; loose or stripped retainer bolt. (See Figure 2, Item A)

Valve body - 1-2 shift valve train may be stuck in valve body.

CORRECTION: To correct this condition, remove the governor, reinstall the governor cover and operate the engine to flush the oil passages. Clean the governor. To verify that the cleaned governor is operable, seat the balls by holding the governor weights against them. Pour solvent into the governor shaft and inspect for leakage past the balls. If no leakage is noted, reinstall governor.

Tighten or replace bolt.

Remove any burrs or raised metal on valves with a flat hone stone. DO NOT remove any more metal from valve than necessary. 1-2 valve is an aluminum alloy. Inspect TV valve for freeness.