



Technical Service Information

NISSAN RL4R01A FALLS OUT OF FOURTH GEAR

COMPLAINT: Vehicles equipped with the RL4R01A transmission may exhibit a complaint of falling out of 4th gear at "Highway" speeds, and will hold 4th gear at lower speeds.

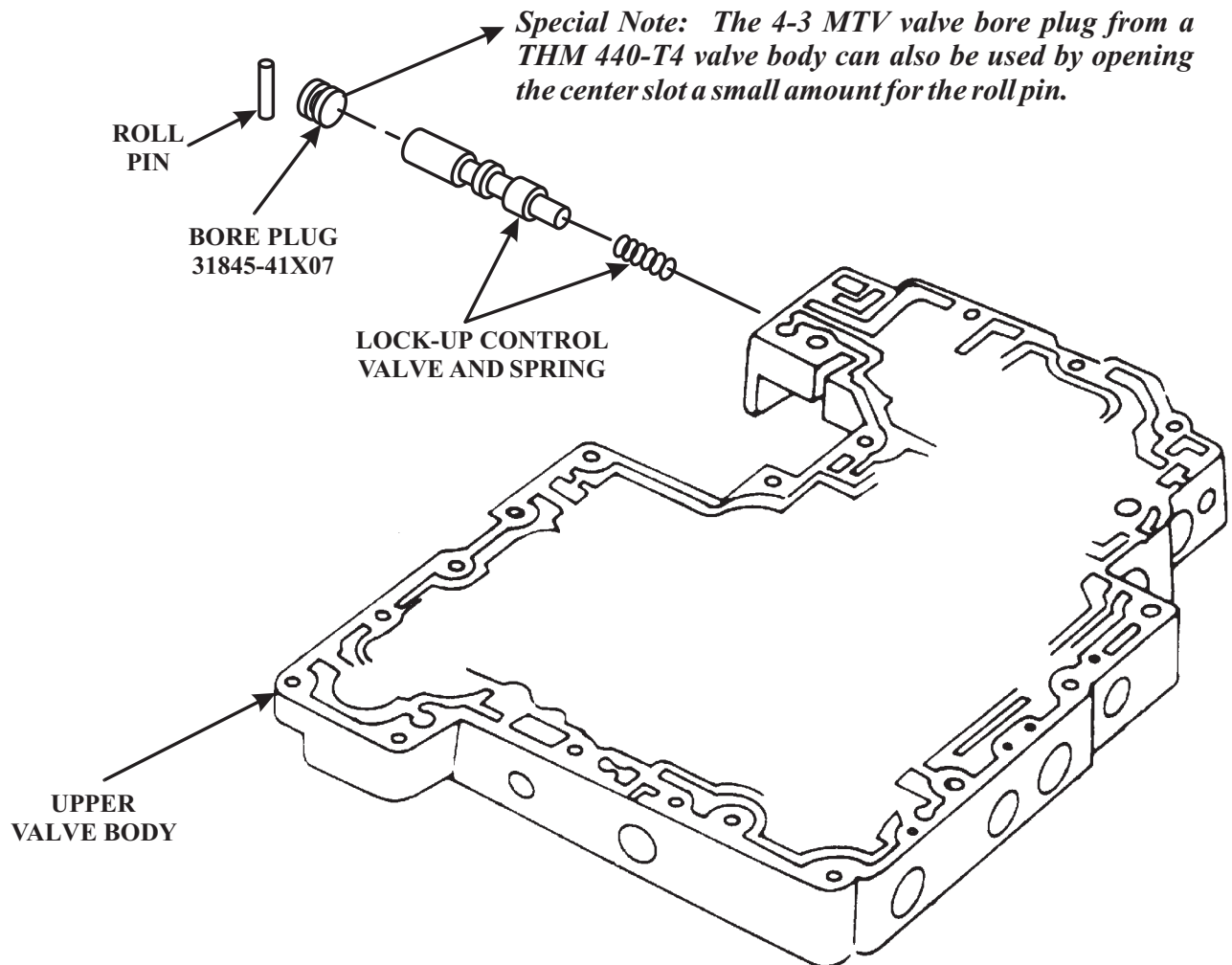
CAUSE: The cause may be, a "Broken" or "Cracked" valve body bore plug at the end of the "Lock-Up Control Valve Train", as shown in Figure 1. The reason is, when the vehicle speed and governor pressure is high enough (Approx. 44-49 MPH), governor pressure moves the 4th speed cut valve against spring pressure allowing 4th apply pressure to be fed to the lock-up control valve, at the bore plug end, which strokes the lock-up control valve and applies the converter clutch. When this action takes place, the broken bore plug can act as an exhaust for 4th apply oil, causing the loss of 4th gear.

CORRECTION: Replace the broken or cracked bore plug with OEM part number 31845-41X07, and ensure that it fits "snug" in the valve body bore. Refer to Figure 1.

SERVICE INFORMATION:

Valve Body Bore Plug 31845-41X07

LOCK-UP CONTROL VALVE LOCATION



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Figure 1