

Torque Converter Clutch Pressure Control Solenoid Performance (Shift Solenoid Valve SLU) Monitor Description

MONITOR SUMMARY

The ECM controls the oil pressure to the lock-up clutch based on engine-load information from the throttle position sensor, crankshaft position sensor, input speed sensor, and the oil pressure sensor for shift-solenoid SLU. The ECM commands the shift-solenoid SLU using a duty-cycle control signal. In turn, the shift solenoid operates the lock-up control valve and causes lock-up or flexible lock-up of the torque converter clutch.

To monitor the condition of the lock up clutch, the ECM monitors the signals from the input speed sensor, crank position sensor, the throttle position sensor, and air flow meter. The ECM uses this information to determine when the vehicle's torque converter clutch should be locked-up. The ECM can detect many mechanical problems in the shift solenoids, valve body, and the transmission clutches, brakes, and gears. If the ECM detects that the torque converter clutch locked below the minimum lock-up speed, it will illuminate the MIL and a DTC is set.

RELATED DTC

Related DTCs	P2757	Shift solenoid valve SLU/Rationality check
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MODEL YEAR CHART

Model Year	DTC	See Page
2003	P2757	Cm-490