

Pressure Control Solenoid "D" Performance (Shift Solenoid Valve SLT) Monitor Description

MONITOR SUMMARY

The ECM sends (ED: delete "the") signals (Duty Ratio) to the shift solenoid valve SLT based on the information such as the signal from throttle position sensor and the vehicle speed sensor.

Based on the signal's duty-ratio, the shift solenoid valve SLT adjusts the hydraulic pressure to the primary regulator valve to an appropriate level. This function enables a smooth vehicle operation by adjusting the line hydraulic pressure to match the engine output and running condition.

The ECM calculates the "actual" transmission gear by comparing the signals from the input speed sensor and the output speed sensor. 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 actual gear position and the commanded gear position are different, it will illuminate the MIL and a DTC is set.

RELATED DTC

Related DTCs	P2714	Shift solenoid valve SLT/Rationality check
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MODEL YEAR CHART

Model Year	DTC	See Page
2003	P2714	Cm-381