

Torque Converter Clutch Solenoid Performance (Shift Solenoid Valve SL) Monitor Description

Torque Converter Clutch Solenoid Performance (Shift Solenoid Valve DSL) Monitor Description

MONITOR SUMMARY

Based on the signals from the throttle position sensor, the airflow meter and the crankshaft position sensor, the ECM sends a signal to the shift solenoid valve SL (DSL) to regulate the hydraulic pressure and provide smoother gearshifts. The shift-solenoid valve SL (DSL) responds to commands from the ECM. The valve controls the lock-up relay valve to perform torque-converter lock-up and flexible lock-up functions.

The ECM compares the engine rpm (NE) signal and the input turbine speed signal to detect torque converter lock-up. The ECM then compares the lock-up status against the lock-up schedule in the ECM memory. If the ECM does not detect lock-up at the appropriate time, it will conclude that there is a malfunction of shift solenoid SL (DSL). The ECM will illuminate the MIL and a DTC is set.

RELATED DTC

Previous code:

Related DTCs	P0770	Shift solenoid valve SL(DSL)/Rationality check
		Shift solenoid valve SL(DSL)/OFF malfunction
		Shift solenoid valve SL(DSL)/ON malfunction

Extended code:

Related DTCs	P0741	Shift solenoid valve SL(DSL)/Rationality check
		Shift solenoid valve SL(DSL)/OFF malfunction
		Shift solenoid valve SL(DSL)/ON malfunction

MODEL YEAR CHART

Model Year	DTC	See Page
1996	P0770	Cm-406
1997	P0770	Cm-406
1998	P0770	Cm-407
1999	P0770	Cm-410
2000	P0770	Cm-418
2001	P0770	Cm-427
2002	P0770	Cm-435
2003	P0741 P0770	Cm-450
2004	P0741	Cm-468