

2003 MY for Torque Converter Clutch Circuit Electrical (Shift Solenoid Valve SL (DSL)) Monitor (P2769 / P2770)

To return to monitor description, see page [Cm-471](#).

MONITOR STRATEGY

Required sensors/Components	Main	Shift solenoid valve SL (DSL)
	Sub	None
Frequency of operation	Continuous	
Duration	0.032 sec.	
MIL operation	2 driving cycles	
Sequence of operation	None	

TYPICAL ENABLING CONDITIONS

Item	Specification	
	Minimum	Maximum
The monitor will run whenever the following DTCs are not present.	See page In-39	

Engine family	Item	Specification	
		Minimum	Maximum
All models	Low resistance		
	Solenoid duty	–	100 %
	Time after solenoid duty becomes 100 %	More than 0.008 sec.	–
	High resistance		
	Solenoid duty	0 %	–
	Time after solenoid duty becomes 0 %	More than 0.008 sec.	–

TYPICAL MALFUNCTION THRESHOLDS

Engine family	Detection criteria	Threshold
All models	Low resistance	
	Number of solenoid 0 %/100 % change with intelligent power MOS diagnosis signal failure (Fail at solenoid resistance 8 Ω or less)	2 times Fail, 2 times (0.016 sec.)
	High resistance	
	Number of solenoid 0 %/100 % change with intelligent power MOS diagnosis signal failure (Fail at solenoid resistance 100 k Ω or more)	2 times Fail, 2 times (0.016 sec.)