

1999 MY for Torque Converter Clutch Circuit Electrical (Shift Solenoid Valve SL (DSL)) Monitor (P0773)

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	Less than 10 sec.	
MIL operation	1MZ-FE (Except RX300), 1ZZ-FE, 2UZ-FE, 3RZ-FE, 3S-FE, 5E-FE, 5S-FE, 5VZ-FE	2 driving cycles
	1MZ-FE (CAMRY, CAMRY SOLARA, AVALON, RX300)	Immediate
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
1ZZ-FE, 2UZ-FE, 3RZ-FE, 5E-FE, 5S-FE, 5VZ-FE	Range check (Low resistance)		
	Solenoid	ON	
	Range check (High resistance)		
	Solenoid	OFF	
1MZ-FE (RX300), 3S-FE	Range check (Low resistance)		
	Solenoid	ON (2 times)	
	Range check (High resistance)		
	Solenoid	OFF (2 times)	
1MZ-FE (Except RX300)	Range check (Low resistance) (A)		
	Solenoid	ON	
	Range check (High resistance) (B)		
	Solenoid	OFF	
	Range check (Low resistance) (C)		
	Solenoid	ON (2 times)	
	Range check (High resistance) (D)		
Solenoid	OFF (2 times)		

TYPICAL MALFUNCTION THRESHOLDS

Engine family	Detection criteria	Threshold
1MZ (RX300), 1ZZ-FE, 2UZ-FE, 3RZ-FE, 3S-FE, 5E-FE, 5S-FE, 5VZ-FE	Range check (Low resistance)	
	Solenoid resistance	8 Ω or less
	Range check (High resistance)	
	Solenoid resistance	100 k Ω or more
1MZ-FE (Except RX300)	Range check (Low resistance) (A) (C)	
	Solenoid resistance	8 Ω or less
	Range check (High resistance) (B) (D)	
	Solenoid resistance	100 k Ω or more