

1996 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	5E-FE (PASEO), 7A-FE	2 driving cycles (Range check (Low resistance))
	5S-FE, 1MZ-FE, 2JZ-GE, 3S-FE, 2TZ-FZE, 3RZ-FE, 5VZ-FE, 1FZ-FE	2 driving cycles (Range check (High resistance))
	2JZ-GTE, 1UZ-FE, 2JZ-GE, 5S-FE, 3RZ-FE	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
5E-FE (PASEO), 7A-FE, 5S-FE, 1MZ-FE, 2JZ-GE, 3S-FE, 2TZ-FZE, 3RZ-FE, 5VZ-FE, 1FZ-FE	Range check (Low resistance)	
	Solenoid	ON
	Range check (High resistance)	
	Solenoid	OFF
2JZ-GTE, 1UZ-FE, 2JZ-GE, 5S-FE, 3RZ-FE	Range check (B)	
	Output duty	90 % or more –

TYPICAL MALFUNCTION THRESHOLDS

Engine family	Detection criteria	Threshold
5E-FE (PASEO), 7A-FE, 5S-FE, 1MZ-FE, 2JZ-GE, 3S-FE, 2TZ-FZE, 3RZ-FE, 5VZ-FE, 1FZ-FE	Range check (Low resistance)	
	Solenoid resistance	8 Ω or less
	Range check (High resistance)	
	Solenoid resistance	100 k Ω or more
5S-FE, 3RZ-FE	Range check (A)	
	Output signal duty	100 % or 0 %
	Range check (B)	
	Solenoid current	330 mA or less
1UZ-FE	Range check (B)	
	Solenoid current	330 mA or less
2JZ-GTE	Range check (B)	
	Solenoid current	350 mA or less
2JZ-GE	Range check (B)	
	Solenoid current	450 mA or less