

2001 MY for Torque Converter Clutch Circuit Electrical (Shift Solenoid Valve SL (DSL)) Monitor (P0773)

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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 (HIGH LANDER)	Immediate
	3RZ-FE, 5VZ-FE, 2UZ-FE, 2ZZ-GE, 1ZZ-FE, 1NZ-FE, 1AZ-FE	2 driving cycles
	1MZ-FE (RX300, SIENNA, AVALON, CAMRY, CAMRY SOLARA, ES300), 5S-FE, 2AZ-FE	2 driving cycles (Low resistance (A) & High resistance (B)) Immediate (Low resistance (C) & High resistance (D))
Sequence of operation	None	

TYPICAL ENABLING CONDITIONS

Item	Specification	
	Minimum	Maximum
The monitor will run whenever the following DTCs are not present.		
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Engine family	Item	Specification
		Minimum Maximum
1MZ-FE (HIGH LANDER), 3RZ-FE, 5VZ-FE, 2ZZ-GE, 1ZZ-FE, 1NZ-FE, 1AZ-FE	Low resistance	
	Solenoid	ON (2 times)
	High resistance	
	Solenoid	OFF (2 times)
1MZ-FE (RX300, SIENNA, AVALON, CAMRY SOLARA, ES300, CAMRY), 2AZ-FE, 5S-FE	Low resistance (A)	
	Solenoid	ON (2 times)
	High resistance (B)	
	Solenoid	OFF (2 times)
	Low resistance (C)	
	Solenoid	ON (2 times)
	High resistance (D)	
	Solenoid	OFF (2 times)
2UZ-FE	Low resistance	
	Solenoid	ON
	High resistance	
	Solenoid	OFF

TYPICAL MALFUNCTION THRESHOLDS

Engine family	Detection criteria	Threshold
1MZ-FE (HIGH LANDER), 3RZ-FE, 5VZ-FE, 2UZ-FE, 2ZZ-GE, 1ZZ-FE, 1NZ-FE, 1AZ-FE	Low resistance	
	Solenoid resistance	8 Ω or less
	High resistance	
	Solenoid resistance	100 k Ω or more
1MZ-FE (RX300, SIENNA, AVALON, CAMRY SOLARA, ES300, CAMRY), 2AZ-FE, 5S-FE	Low resistance (A)	
	Solenoid resistance	8 Ω or less
	High resistance (B)	
	Solenoid resistance	100 k Ω or more
	Low resistance (C)	
	Solenoid resistance	8 Ω or less
	High resistance (D)	
	Solenoid resistance	100 k Ω or more