

2000 MY for Shift Solenoid "B" Electrical (Shift Solenoid Valve S2) Monitor (P0758)

2000 MY for Pressure Control Solenoid "B" Electrical (Shift Solenoid Valve SL2) Monitor (P0758)

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MONITOR STRATEGY

Required sensors/Components	Main	Shift solenoid valve No.2
	Sub	None
Frequency of operation	Continuous	
Duration	1MZ-FE (RX300)	Less than 1 sec.
	1MZ-FE (SIENNA, AVALON, ES300, CAMRY, CAMRY SOLARA), 3RZ-FE, 5VZ-FE, 2UZ-FE, 2JZ-GE, 1ZZ-FE, 3S-FE, 5S-FE, 2ZZ-GE	Less than 10 sec.
MIL operation	Immediate	
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
3RZ-FE, 5VZ-FE, 2UZ-FE, 1ZZ-FE, 3S-FE, 5S-FE	Range check (Low resistance)	
	Solenoid	ON (2 times)
	Range check (High resistance)	
	Solenoid	OFF (2 times)
1MZ-FE (RX300, AVALON, ES300)	Range check (A)	
	Output duty	100 % or more –
2ZZ-GE	Range check (A)	
	Output duty	90 % or more –
1MZ-FE (CAMRY, CAMRY SOLARA)	Range check (Low resistance)	
	Solenoid	ON (2 times)
	Range check (High resistance)	
	Solenoid	OFF (2 times)
	Range check (A)	
	Output duty	75 % or more –

1MZ-FE (SIENNA), 2JZ-GE (GS300, SC300)	Range check (Low resistance)		
	Solenoid	ON (2 times)	
	Range check (High resistance)		
	Solenoid	OFF (2 times)	
	Range check (A)		
	Output duty	90 % or more	—

TYPICAL MALFUNCTION THRESHOLDS

Engine family	Detection criteria	Threshold
3RZ-FE, 5VZ-FE, 2UZ-FE, 1ZZ-FE, 3S-FE, 5S-FE	Range check (Low resistance)	
	Solenoid resistance	8 Ω or less
	Range check (High resistance)	
	Solenoid resistance	100 k Ω or more
2UZ-FE, 2JZ-GE, 1MZ-FE (SIENNA, CAMRY, CAMRY SOLARA)	Range check (Low resistance)	
	Solenoid resistance	8 Ω or less
	Range check (High resistance)	
	Solenoid resistance	100 k Ω or more
	Range check (A)	
	Solenoid current	330 mA or less
	Range check (B)	
	Output signal duty	100 % or 0 %
2ZZ-GE	Range check (Low resistance)	
	Solenoid resistance	8 Ω or less
	Range check (High resistance)	
	Solenoid resistance	100 k Ω or more
	Range check (A)	
	Solenoid current	330 mA or less
	Range check (B)	
	Output signal duty	100 % or 0 %
1MZ-FE (RX300, AVALON, ES300)	Range check (A)	
	Solenoid current	330 mA or less
	Range check (B)	
	Output signal duty	100 % or 0 %