

2001 MY for Pressure Control Solenoid "D" Electrical (Shift Solenoid Valve SLT) Monitor (P1760)

To return to monitor description, see page [Cm-383](#).

MONITOR STRATEGY

Required sensors/Components	Main	Shift solenoid valve SLT
	Sub	None
Frequency of operation	Continuous	
Duration	1 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.		See page In-39	
Engine family	Item	Specification	
		Minimum	Maximum
5VZ-FE, 1MZ-FE, 2UZ-FE, 2JZ-GE, 1NZ-FE, 1AZ-FE, 3UZ-FE	Battery voltage	11 V or more	—
	Starter	OFF	
1MZ-FE, 2UZ-FE, 2JZ-GE, 1NZ-FE, 1AZ-FE, 3UZ-FE	CPU commanded duty ratio	19 % or more	—
2ZZ-GE, 1ZZ-FE (CELICA)	Condition (A)		
	Battery voltage	11 V or more	—
	Starter	OFF	
	Condition (B)		
	Battery voltage	11 V or more	—
	Starter	OFF	
	CPU commanded duty ratio	19 % or more	—
1ZZ-FE (COROLLA)	Condition (A)		
	Battery voltage	10 V or more	Less than 12 V
	Target duty	—	Less than 75 %
	Starter	OFF	
	Condition (B)		
	Battery voltage	12 V or more	—
	Starter	OFF	
	Condition (C)		
	Starter	OFF	
	Condition (D)		
	CPU commanded duty ratio	100 % or more	—

2AZ-FE	Condition (A)		
	Battery voltage	10 V or more	Less than 12 V
	Target duty	—	Less than 75 %
	Starter	OFF	
	Condition (B)		
	Battery voltage	12 V or more	—
	Starter	OFF	
	Condition (C)		
	Starter	OFF	

TYPICAL MALFUNCTION THRESHOLDS

Engine family	Detection criteria	Threshold
1MZ-FE, 5VZ-FE, 2UZ-FE, 2JZ-GE, 1NZ-FE, 1AZ-FE, 3UZ-FE	Output signal duty ratio	Constant High or Low level
2ZZ-GE, 1ZZ-FE (CELICA)	Condition (A)	
	Output signal level	Constant High or Low level
	Condition (B)	
	Output signal level	Constant High or Low level
2AZ-FE	Condition (A)	
	Output signal duty ratio	100 % or more
	Condition (B)	
	Output signal duty ratio	100 % or more
	Condition (C)	
	Output signal duty ratio	3 % or less
1ZZ-FE (COROLLA)	Condition (A)	
	Output signal duty ratio	100 % or more
	Condition (B)	
	Output signal duty ratio	100 % or more
	Condition (C)	
	Output signal duty ratio	3 % or less
	Condition (D)	
	Output signal duty ratio	> 3 % and < 100 %