

2002 MY for Pressure Control Solenoid "E" Electrical (Shift Solenoid Valve SLN) Monitor (P1765)

To return to monitor description, see page [Cm-392](#).

MONITOR STRATEGY

Required sensors/Components	Main	Shift solenoid valve SLN
	Sub	None
Frequency of operation	Continuous	
Duration	1 sec.	
MIL operation	3UZ-FE, 1MZ-FE (AVALON, CAMRY SOLARA), 2JZ-GE	Immediate
	1MZ-FE (SIENNA)	2 driving cycles
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
1MZ-FE	Condition (A)		
	One of following A – C met		
	A. Battery	12 V or more	–
	B. Battery	8 V or more	Less than 10 V
	Target current	–	Less than 0.6 A
	C. Battery	10 V or more	Less than 12 V
	Target current	–	Less than 0.8 A
	Condition (B)		
	None	None	
3UZ-FE (SC430), 2JZ-GE	Battery voltage	11 V or more	–
	CPU commanded duty ratio	19 % or more	–
	Starter	OFF	
3UZ-FE (GS430, LS430), 2JZ-GE	Solenoid current shut OFF	Not shut OFF	

TYPICAL MALFUNCTION THRESHOLDS

Engine family	Detection criteria	Threshold
1MZ-FE	One of following (A) – (B) met	
	Condition (A)	
	Output duty signal ON time	0.033 sec. or more
	Condition (B)	
	Output duty signal ON time	0.0001 sec. or less
3UZ-FE (SC430)	Solenoid current	330 mA or less
3UZ-FE (GS430, LS430), 2JZ-GE	Diagnostic signal from IC	Fail

1996–2003 ADDITION OF OBD (OTH021U)