

2002 MY for Pressure Control Solenoid "C" Electrical (Shift Solenoid Valve S3) Monitor (P0763)

2002 MY for Shift Solenoid "C" Control Circuit (Shift Solenoid Valve S3) Monitor (P0763)

To return to monitor description, see page [Cm-359](#).

MONITOR STRATEGY

Required sensors/Components	Main	Shift solenoid valve No.3
	Sub	None
Frequency of operation	Continuous	
Duration	3RZ-FE, 3UZ-FE (LS430, GS430), 2JZ-GE	0.032 sec.
	3UZ-FE (SC430)	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.	See page In-39	

Engine family	Item	Specification	
		Minimum	Maximum
3RZ-FE	Condition (A)		
	Solenoid	ON	
	Time after solenoid OFF to ON	More than 0.008 sec.	—
	Condition (B)		
	Solenoid	OFF	
	Time after solenoid ON to OFF	More than 0.008 sec.	—
3UZ-FE (SC430)	Low resistance		
	Solenoid	ON (2 times)	
	High resistance		
	Solenoid	OFF (2 times)	
3UZ-FE (LS430, GS430), 2JZ-GE	Solenoid	ON	
	Time after solenoid OFF to ON	More than 0.008 sec.	—

TYPICAL MALFUNCTION THRESHOLDS

Engine family	Detection criteria	Threshold
3RZ-FE	Either (A) or (B) is met	
	Condition (A)	
	Number of solenoid ON/OFF change with intelligent power MOS diagnosis signal failure (Fail at solenoid resistance 8 Ω or less)	2 times Fail, 2 times (0.016 sec.)
	Condition (B)	
	Number of solenoid ON/OFF change with intelligent power MOS diagnosis signal failure (Fail at solenoid resistance 100 k Ω or more)	2 times Fail, 2 times (0.016 sec.)
3UZ-FE (SC430)	Low resistance	
	Solenoid resistance	8 Ω or less
	High resistance	
	Solenoid resistance	100 k Ω or more
3UZ-FE (LS430, GS430), 2JZ-GE	Number of solenoid ON/OFF change with intelligent power MOS diagnosis signal failure (Fail at solenoid resistance 8 Ω or less)	2 times Fail, 2 times (0.016 sec.)