

2002 MY Accelerator Pedal Position Sensor Monitor (P1120)

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MONITOR STRATEGY

Required sensors/Components	Main	Accelerator pedal position sensor
	Sub	None
Frequency of operation	Continuous	
Duration	Within 10 sec.	
MIL operation	Immediate	
Sequence of operation	None	

TYPICAL ENABLING CONDITIONS

The monitor will run whenever the following DTCs are not present	See page In-39
Included in the Typical Malfunction Thresholds	–

TYPICAL MALFUNCTION THRESHOLDS

Engine Family	Detection Criteria	Threshold	Typical Enabling Condition
2JZ-FE, 5VZ-FE and 1ZZ-FE	VPA1 voltage	Less than 0.2 V	VPA2 is 0.97° or more
		4.7 V or more	None
	VPA2 voltage	Less than 0.5 V	VPA2 is 0.97° or more
		4.97 V or more	VPA1 is between 0.2 V and 1.8 V
	Difference between VPA1 and VPA2	0.02 V or less	None
2AZ-FE, 1MZ-FE, 2UZ-FE and 3UZ-FE	VPA1 voltage	Less than 0.2 V	VPA2 is 0.97° or more
		4.8 V or more	None
	VPA2 voltage	Less than 0.5 V	VPA2 is 0.97° or more
		4.8 V or more	VPA1 is between 0.2 V and 3.45 V
	Difference between VPA1 and VPA2	0.02 V or less	None