

2002 MY Accelerator Pedal Position Sensor Range/Performance Monitor (P1121)

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MONITOR STRATEGY

Required sensors/Components	Main	Throttle 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-GE, 5VZ-FE and 1ZZ-FE MR2 (SMT)	Difference between VPA1 and VPA2	Less than 0.4 V	None
		More than 1.2 V	
		Less than 0.34 V	VPA2 is less than 4.84 V
	Difference VPA1 angle and VPA2 angle when accelerator pedal released	0.97° or more	• Accelerator pedal released • VPA2 is less than 4.84 V
2AZ-FE, 1MZ-FE, 2UZ-FE and 3UZ-FE	Difference between VPA1 and VPA2	Less than 0.4 V	None
		More than 1.2 V	
		Less than 0.385 V	VPA2 is less than 4.84 V
	Difference VPA1 angle and VPA2 angle when accelerator pedal released	0.97° or more	• Accelerator pedal released • VPA2 is less than 4.84 V