

1998 to 2004 MY Throttle Position Sensor Monitor (P0120, P0122, P0123, P0220, P0222, P0223)

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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

Detection Criteria	Threshold
Case 1: Throttle position sensor circuit (VTA) is open/shorted	
VTA voltage	Less than 0.2 V
	4.8 V or more
Case 2: Throttle position sensor circuit (VTA2) is open/shorted	
VTA2 voltage	Less than 0.5 V
VTA2 voltage (when VTA is between 0.2 V and 1.8 V)	4.97 V or more
Case 3: VTA voltage is low output	
VTA voltage	Less than 0.2 V
Case 4: VTA voltage is high output	
VTA voltage	4.8 V or more
Case 5: VTA2 voltage is low output	
VTA2 voltage	Less than 0.5 V
Case 6: VTA2 voltage is high output	
VTA2 voltage (when VTA is between 0.2 V and 1.8 V)	4.97 V or more

COMPONENT OPERATING RANGE

Parameter	Standard Value
VTA voltage	Between 0.3 V and 4.7 V
VTA2 voltage	Between 0.6 V and 4.7 V