

1996 to 2004 MY IAT Sensor Monitor (P0110, P0112, P0113)

To return to monitor description, see page [Ce-16](#).

MONITOR STRATEGY

Required sensors/Components	Main	IAT 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
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TYPICAL MALFUNCTION THRESHOLDS

Detection Criteria	Threshold
IAT sensor circuit is shorted:	
IAT sensor resistance (temperature of intake air)	Less than 98.5 Ω (more than 140°C [284°F])
IAT sensor circuit is open:	
IAT sensor resistance (temperature of intake air)	More than 156 k Ω (less than -40°C [-40°F])

COMPONENT OPERATING RANGE

Parameter	Standard Value
IAT sensor resistance	Between 2.0 k Ω and 3.0 k Ω at 20°C (68°F)
	Between 0.3 k Ω and 0.4 k Ω at 80°C (176°F)