

1996 to 2004 MY ECT Sensor Monitor (P0115, P0117, P0118)

To return to monitor description, see page [Ce-18](#).

MONITOR STRATEGY

Required sensors/Components	Main	ECT 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
ECT sensor circuit is shorted:	
ECT sensor resistance (temperature of engine coolant)	Less than 79 Ω (more than 140°C [284°F])
ECT sensor circuit is open:	
ECT sensor resistance (temperature of engine coolant)	More than 156 k Ω (less than -40°C [-40°F])

COMPONENT OPERATING RANGE

Parameter	Standard Value
ECT sensor resistance	Between 2.0 k Ω and 3.0 k Ω at 20°C (68°F)
	Between 0.2 k Ω and 0.4 k Ω at 80°C (176°F)