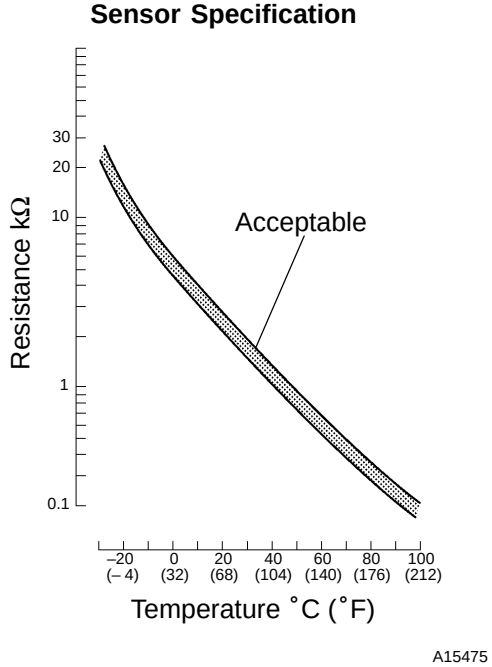
Ce00F–01

ECT Sensor Range/Performance Monitor Description

MONITOR SUMMARY

Fig. 1



The engine coolant temperature (ECT) sensor is used to monitor temperature of engine coolant. The ECT sensor has a thermistor that varies its resistance depending on the temperature of the engine coolant. When the temperature is low the resistance in the thermistor increases. When the temperature is high the resistance drops.

The variations in resistance are reflected in the voltage output from the sensor. The ECM monitors the sensor voltage and uses this value to calculate the engine coolant temperature.

- When the sensor output voltage is outside the normal operating range, the ECM interprets this as a malfunction of the ECT sensor and a DTC is set.
- If the ECT is too low to permit “Closed Loop” operation even through enough time has elapsed for the engine to partially warm up, the ECM interprets this as a malfunction of the ECT sensor or cooling system and a DTC is set.
- If the ECT output does not vary even though the vehicle is repeatedly accelerated and slowed, the ECM interprets this as a malfunction of the ECT sensor or cooling system and a DTC is set.

RELATED DTC

Previous code:

Related DTCs	P0116	• ECT sensor malfunction • Insufficient ECT for Closed Loop

Extended code:

Related DTCs	P0116	ECT sensor malfunction
	P0125	Insufficient ECT for Closed Loop

MODEL YEAR CHART

Model Year	See Page
1996 to 2004	Ce–21