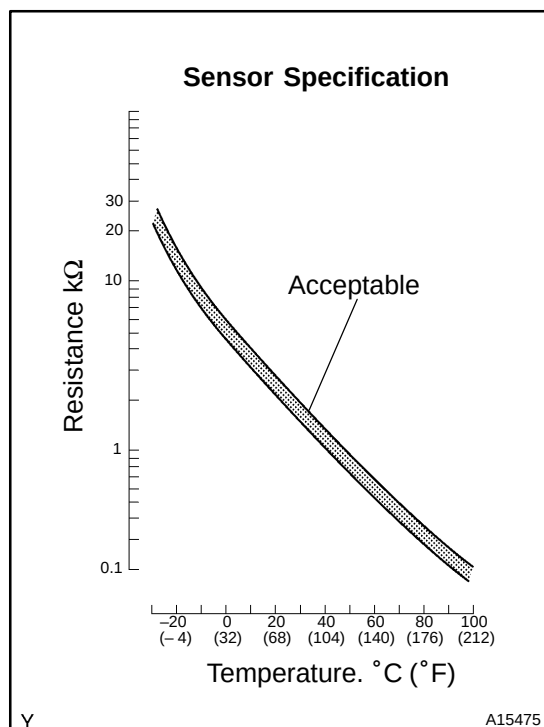


Fuel Temp. Sensor

Cn001-01

Fuel Temperature Sensor Monitor Description

MONITOR SUMMARY



The ECM compensates for variations in fuel temperature by adjusting the fuel injector ON time. The ECM detects this temperature using the fuel temperature sensor. The sensor contains a thermistor that varies its electrical resistance depending on the temperature of the fuel. When the fuel temperature is low, the sensor's resistance is high. When the fuel temperature is high, resistance is low.

This sensor varies its resistance with fuel temperature. The ECM applies a 5 V "pull-up" voltage to the sensor terminal and calculates the fuel temperature based on how much the sensor can "pull-down" this voltage. If the fuel temperature is cool and the sensor resistance is high, the voltage will stay high. When the sensor resistance is low (hotter fuel), the sensor will "pull-down" the voltage to a low level.

If the ECM detects that the resistance of the fuel temperature sensor is out of the normal range, the ECM interprets this as a malfunction in the sensor and sets a DTC.

RELATED DTC

Related DTCs	P0180	Fuel temperature sensor circuit open/shorted
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MODEL YEAR CHART

Model Year	See Page
1999 to 2001	Cn-2