

DIAGNOSIS AND TESTING (Continued)

Sensor Diagnosis

Refer to the following charts for sensor diagnosis.

EATC—IN-VEHICLE TEMPERATURE SENSOR DIAGNOSIS

CONDITION	POSSIBLE SOURCE	ACTION
<ul style="list-style-type: none"> Diagnostic-Test Error Code 03 (Warm air discharge at 65°F or cool air discharge at 85°F). 	1. Sensor open or shorted.	<ul style="list-style-type: none"> Disconnect wire harness connector at sensor. Measure resistance across sensor terminals and compare with Sensor Resistance Table below. If resistance is out of specifications shown in the table, replace the sensor. If sensor is OK, GO to Step 2.
	2. Wire harness open or shorted.	<ul style="list-style-type: none"> Disconnect battery cables. Disconnect wire harness connector from sensor and disconnect both connectors from control assembly. Check for continuity and for possible shorting between the two wires (Pin 2 and Pin 17 of control assembly connector). Service if necessary. Reconnect wire harness and battery cables.

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SENSOR RESISTANCE TABLE

APPROXIMATE TEMPERATURE	SENSOR RESISTANCE ACCEPTABLE RANGE
10°C to 20°C (50°F to 68°F)	37K to 58K ohms
20°C to 30°C (68°F to 86°F)	24K to 37K ohms
30°C to 40°C (86°F to 104°F)	16K to 24K ohms

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EATC—AMBIENT TEMPERATURE SENSOR DIAGNOSIS

CONDITION	POSSIBLE SOURCE	ACTION
<ul style="list-style-type: none"> Self-Diagnostics Error Code 04 and Outside Temperature Display is Reading—40°F or 140°F (Warm Air Discharge when set at 65°F or Cool Air Discharge when set at 85°F) 	1. Sensor open or shorted.	<ul style="list-style-type: none"> Disconnect battery cables (this is necessary to reset outside temperature display memory). Disconnect the wire harness connector at sensor. Measure resistance across sensor terminal and compare with Sensor Resistance Table in In-Vehicle Temperature Sensor Diagnosis Chart. If resistance is out of specifications shown in Sensor Resistance Table, replace sensor. If sensor is OK, GO to Step 2. Reconnect battery cables. <p>NOTE: Install sensor and electrical connections before battery is reconnected.</p>