

If the needle moves, check the ECT sensor unit (see below).

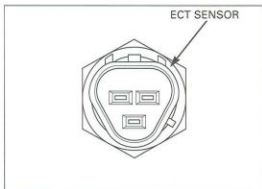
If the needle does not move, check for voltage between the sensor wire connector and ground.

If the voltage is measured, the coolant temperature gauge unit is faulty.

If there is no voltage, check for voltage between the Black/Brown and Green/Blue wire terminal.

If there is no voltage between the terminal, coolant temperature gauge unit is faulty.

If a voltage is measured, check for the wire harness.



ECT SENSOR UNIT INSPECTION

Remove the ECT sensor (page 6-3).

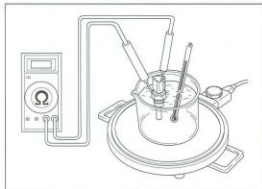
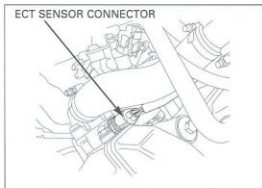
Disconnect the wire connector from the ECT sensor and remove the sensor.

Suspend the ECT sensor in a pan of coolant (50 – 50 mixture) an electric heating element and measure the resistance through the sensor as the coolant heats up.

- Soak the ECT sensor in coolant up to its threads with at least 40 mm (1.6 in) from the bottom of the pan to the bottom of the sensor.
- Keep the temperature constant for 3 minutes before testing. A sudden change of temperature will result in incorrect readings. Do not let the thermometer or ECT sensor touch the pan.

Temperature	80°C (68°F)	120°C (248°F)
Resistance	2.1 – 2.6 k Ω	0.62 – 0.76 k Ω

Replace the sensor if it is out of specification by more than 10% at any temperature listed.



Always replace the sealing washer with a new one.

Install and tighten the ECT sensor to the specified torque.

TORQUE: 23 N·m (2.3 kgf·m, 17 lbf·ft)

