

COOLANT TEMPERATURE SENSOR (AFTER '99:)

INSPECTION

NOTE:

Follow the troubleshooting chart on page 19-4 for digital coolant temperature gauge/sensor system inspection.

Support the front end of the fuel tank (page 3-6).

Disconnect the ECT/thermo sensor wire connector from the electric heating element and

▲WARNING

- Wear insulated gloves and adequate eye protection.
- Keep flammable materials away from the electric heating element.

Drain the coolant (page 6-3).

Remove the ECT/thermo sensor.

Suspend the ECT/thermo sensor in a pan of coolant (1:1 mixture) an electric heating element and measure the resistance through the sensor as the coolant heats up.

NOTE:

- Soak the thermo 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 the temperature will result in incorrect readings. Do not let the thermometer or ECT/thermo sensor touch the pan.

Unit: k Ω

Temperature	80 °C (176 °F)	120 °C (248 °F)
Resistance	2.1 - 2.6	0.62 - 0.76

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

Always replace the scaling washer with a new one.

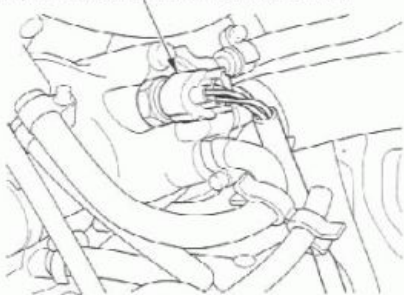
Install and tighten the ECT/thermo sensor.

TORQUE: 23 N·m (2.3 kgf·m, 17 lbf·ft)

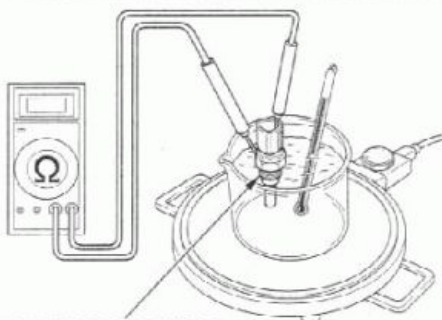
Connect the ECT/thermo sensor connector.

Fill the system and bleed the air (page 6-4).

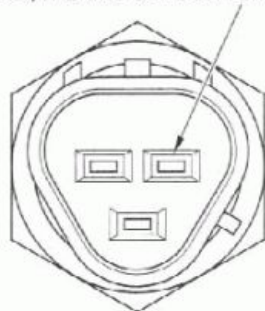
ECT/THERMO SENSOR CONNECTOR



ECT/THERMO SENSOR



ECT/THERMO SENSOR TERMINAL



ECT/THERMO SENSOR



CONNECTOR