

THERMO SENSOR UNIT INSPECTION

▲WARNING

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

Drain the coolant (page 6-3).

Disconnect the wire connector from the coolant temperature sensor and remove the 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 temperature will result in incorrect readings. Do not let the thermometer or ECT/thermo sensor touch the pan.

Temperature	80 °C (68 °F)	120 °C (248 °F)
Resistance	47.5–56.8 k Ω	14.9–17.3 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 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).

