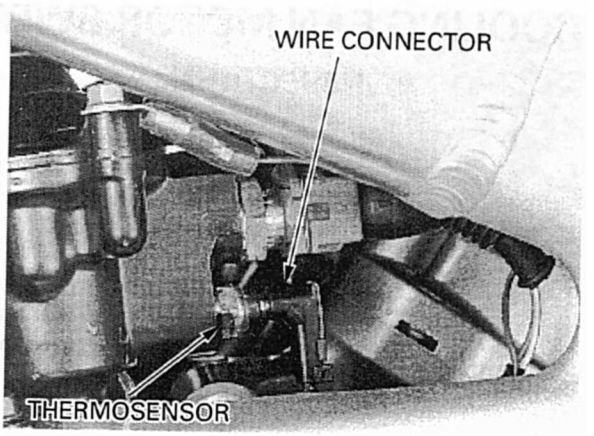
THERMOSENSOR INSPECTION

⚠WARNING

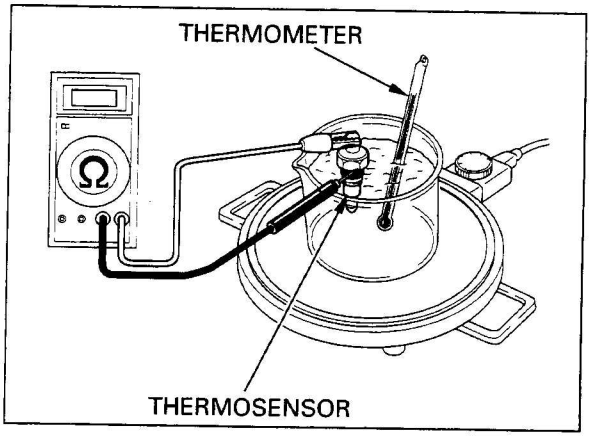
Keep all flammable materials away from the electric heating element. Wear protective clothing, insulated gloves and eye protection.

Drain the coolant (page 6-5).

Disconnect the thermosensor connector and remove the thermosensor.



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



NOTE:

- Soak the thermosensor in coolant up to its threads with at least 40 mm (1.57 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 thermosensor touch the pan.

Temperature	176 °F (80 °C)	248 °F (120 °C)
Resistance	47–57 Ω	14–18 Ω

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

Apply sealant to the thermosensor threads. Do not apply sealant to the sensor head.
Install and tighten the thermosensor.

TORQUE: 12 N·m (1.2 kgf·m , 9 lbf·ft)

Connect the thermosensor connector.

Fill and bleed the cooling system (page 6-5).