

THERMOSENSOR INSPECTION

▲ WARNING

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

Drain the coolant (page 6-5).

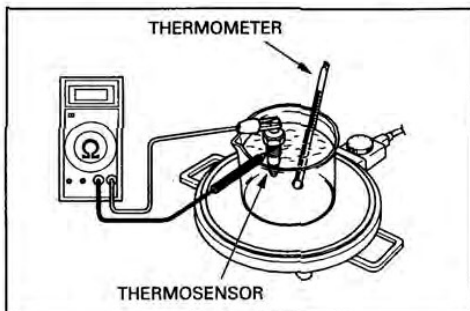
Disconnect the thermosensor connector and remove the thermosensor.



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 sensor.
- Keep 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	50 °C (122 °F)	120 °C (248 °F)
Resistance	133.9 – 178.9 Ω	14.9 – 17.3 Ω

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

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

Connect the thermosensor connector.

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

CLUTCH SWITCH

Disconnect the clutch switch connectors and check for continuity.

There should be continuity with the clutch lever applied and no continuity with it released.

