SENSORS
## INSPECTION OF ENGINE COOLANT TEMPERATURE SENSOR
INSPECT ENGINE COOLANT TEMPERATURE SENSOR

Check the sensor resistance.

HINT: If there is an open circuit in the sensor, the sys–tem will operate at maximum heating.

Conversely, if there is a short in the system, it will operate at maximum cooling.
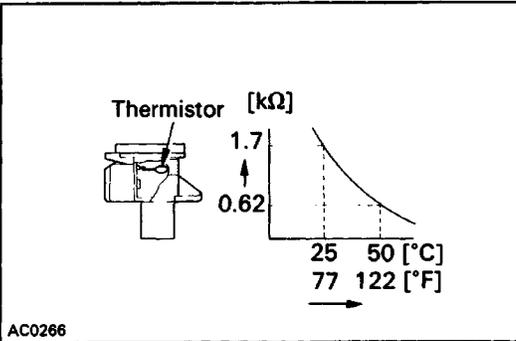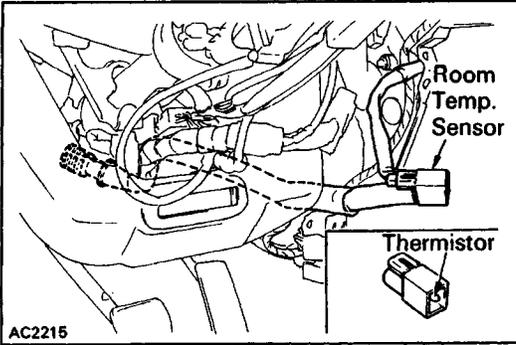
INSPECTION OF AMBIENT TEMPERATURE SENSOR
**INSPECT AMBIENT TEMPERATURE SENSOR**

Check the sensor resistance.
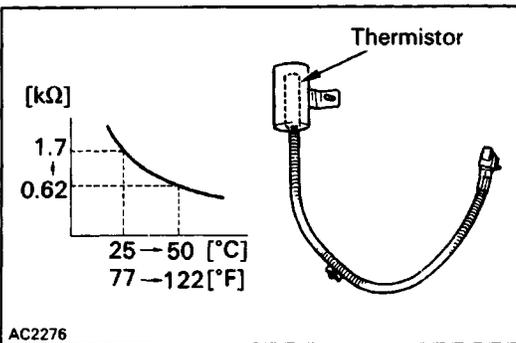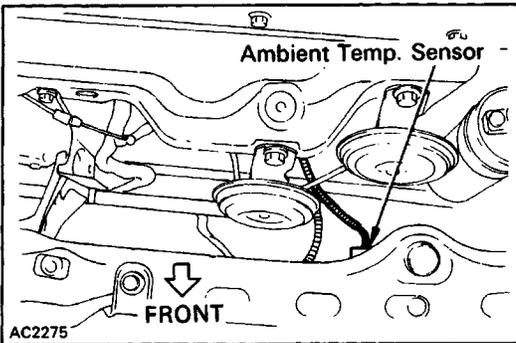
INSPECTION OF SOLAR SENSOR
INSPECT SOLAR SENSOR

Using an ohmmeter, check the continuity.

HINT: There is the solar sensor on the safety pad of the assistant side.
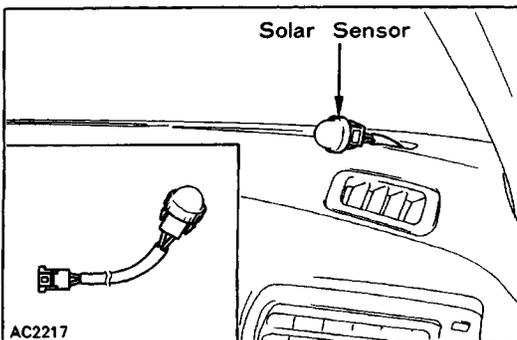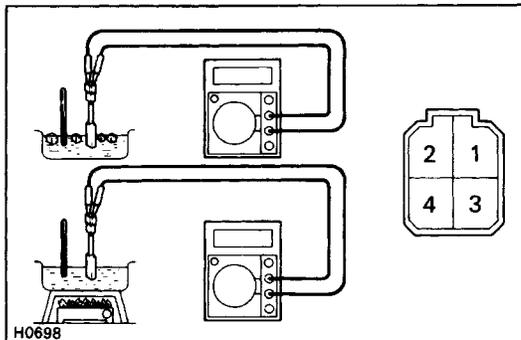
INSPECTION OF ENGINE COOLANT TEMPERATURE SENSOR

INSPECT ENGINE COOLANT TEMPERATURE SENSOR

Using an ohmmeter, check the resistance.

Temperature	Resistance
0°C (34°F)	15 – 19 kΩ
40°C (104°F)	2.5 – 2.7 kΩ
70°C (158°F)	0.8 – 1.0 kΩ

If resistance value is not as specified, replace the sensor.

THERMISTOR

REMOVAL AND INSPECTION OF THERMISTOR

1. **DISCONNECT NEGATIVE CABLE FROM BATTERY**
2. **REMOVE GLOVE BOX AND UNDER COVER**
3. **CHECK THERMISTOR INSTALLED OPERATION**
    Using an ohmmeter, measure the resistance at the con–nector.
    Resistance: 1,500Ω at 25°C (77°F)
    If resistance value is not as specified, replace the thermis–tor.
4. **REMOVE THERMISTOR**
    (a) Disconnect the connector.
    (b) Remove the screw and thermistor from the cooling unit.
5. **CHECK THERMISTOR OPERATION**
    (a) Place the thermistor in cold water. While varying the temperature of the water, measure the resistance at the connector and, at the same time, measure the temperature of the water with a thermometer.
    (b) Compare the two readings on the chart.
    If the intersection is not between the two lines, replace the thermistor.
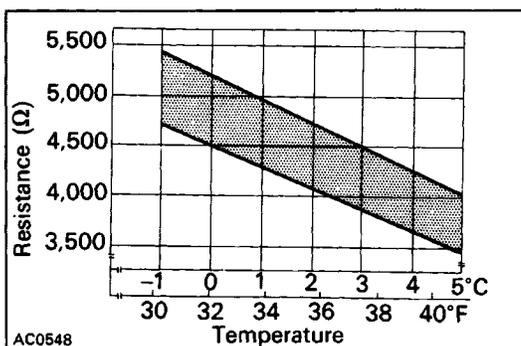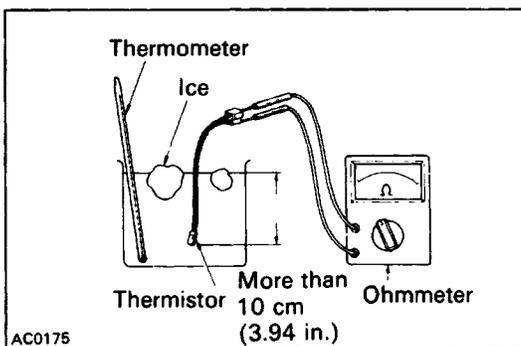
INSTALLATION OF THERMISTOR

1. **INSTALL THERMISTOR**
    (a) Install the thermistor with the screw.
    (b) Connect the connector.
2. **INSTALL GLOVE BOX AND UNDER COVER**
3. **CONNECT NEGATIVE CABLE TO BATTERY**