

## 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 connector.

**Resistance: 1,500Ω at 25°C (77°F)**

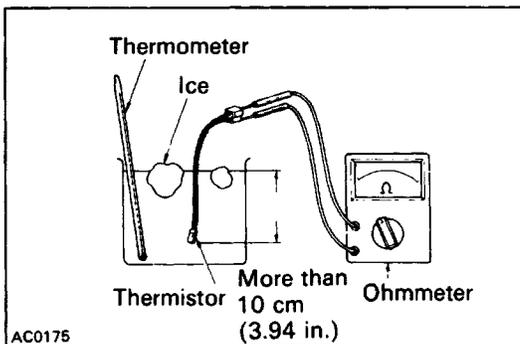
If resistance value is not as specified, replace the thermistor.

4. REMOVE THERMISTOR

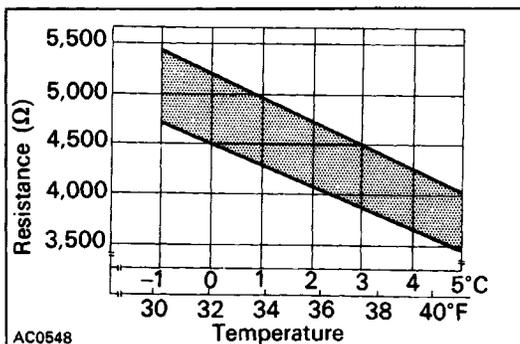
- (a) Disconnect the connector.
- (b) Remove the screw and thermistor from the cooling unit.

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.



AC0175



AC0548

### 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