

EXPANSION VALVE

ON-VEHICLE INSPECTION

1. **INSPECT REFRIGERANT VOLUME**
See page [AC-13](#).
2. **INSTALL MANIFOLD GAUGE SET**
See page [AC-14](#).
3. **TURN FRONT A/C SWITCH ON AND BLOWER SWITCH TO HI POSITION**
4. **RUN ENGINE AT APPROX. 2,000 RPM FOR AT LEAST FIVE MINUTES**
5. **INSPECT EXPANSION VALVE**

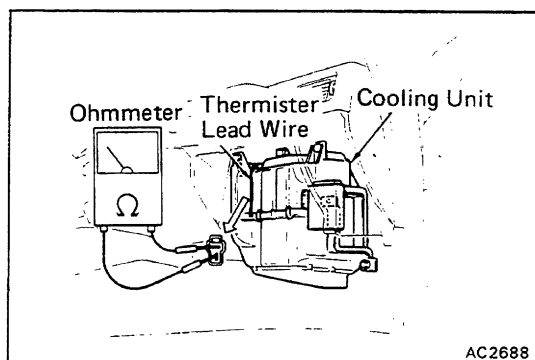
If the expansion valve is clogged, the low pressure reading will drop to 0 kg-cm² (0 psi, 0 kPa), otherwise it is OK.

REMOVAL OF EXPANSION VALVE

See Disassembly of Front Cooling Unit on page [AC-27](#).

INSTALLATION OF EXPANSION VALVE

See Assembly of Front Cooling Unit on page [AC-28](#).



THERMISTOR

ON-VEHICLE INSPECTION

1. **DISCONNECT NEGATIVE BATTERY CABLE**
2. **REMOVE GLOVE BOX**
3. **CHECK RESISTANCE OF THERMISTOR**

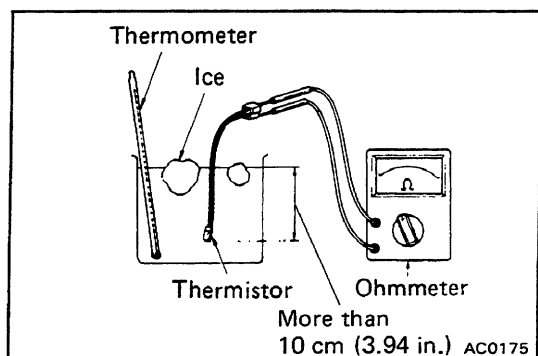
Measure the resistance between terminals.

Standard resistance: 1,500 Ω at 25°C (77°F)

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

REMOVAL OF THERMISTOR

See Disassembly of Cooling Unit on page [AC-27](#).



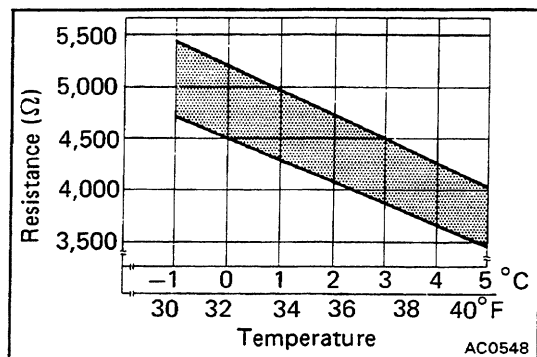
INSPECTION OF THERMISTOR

INSPECT 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

See Assembly of Cooling Unit on page [AC-28](#).