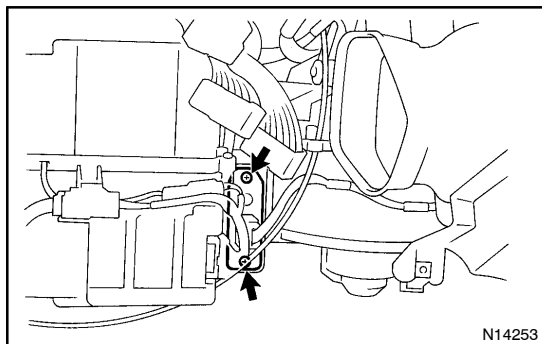


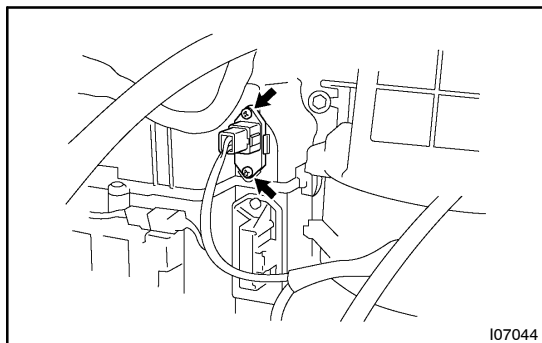
COOLING UNIT ON-VEHICLE INSPECTION

1. INSPECT FOR LEAKAGE OF REFRIGERANT

- (a) Remove the glove compartment door
(See page [BO-66](#)).



- (b) Manual A/C:
Remove the blower resistor.
(1) Disconnect the connector.
(2) Remove the 2 screws and blower resistor.



- (c) Auto A/C:
Remove the lo resistor.
(1) Disconnect the connector.
(2) Remove the 2 screws and lo resistor.

- (d) Using a gas leak detector, check for leakage.
If there is leakage, check the tightening torque at the joints or check the evaporator.

- (e) Manual A/C:
Install the blower resistor with the 2 screws.
(f) Auto A/C:
Install the lo resistor with the 2 screws.
(g) Install the glove compartment door (See page [BO-73](#)).

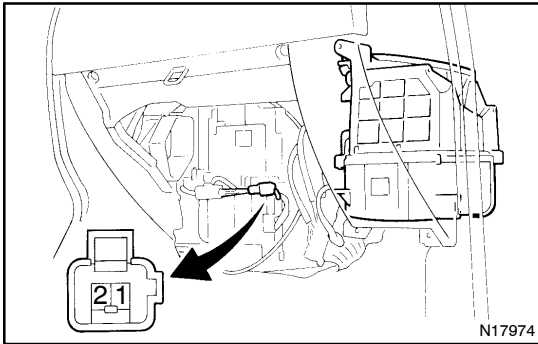
2. INSPECT EXPANSION VALVE

- (a) Check quantity of gas during refrigeration cycle.
- (b) Set on manifold gauge set.
- (c) Run engine.
 - (1) Run the engine at 1,500 rpm for at least 5 minutes.
 - (2) Then check that the high pressure reading is 1.37 – 1.57 Mpa (14 – 16 kgf/cm², 199 – 288 psi).
- (d) Check expansion valve.

If the expansion valve is faulty, the low pressure reading will drop to 0 kPa (0 kgf/cm², 0 psi).

HINT:

When the lower pressure drop to 0 kPa (0 kgf/cm², 0 psi), feel the receiver's IN and OUT sides for no temperature difference.

**3. INSPECT THERMISTOR RESISTANCE**

- (a) Disconnect the connector.
- (b) Measure resistance between terminals.

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

If resistance is not as specified, replace the thermistor.