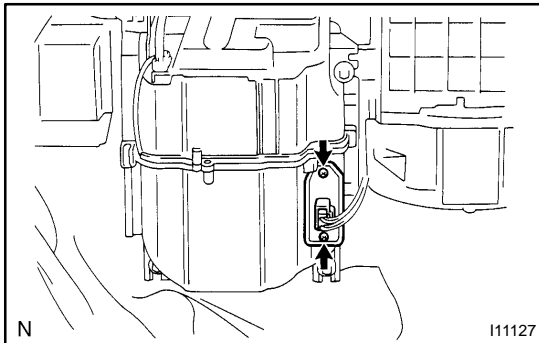


COOLING UNIT ON-VEHICLE INSPECTION

1. INSPECT FOR LEAKAGE OF REFRIGERANT

- (a) Remove the glove compartment door.
- (b) Remove the lower No. 2 finish panel.
- (c) Remove the lower center cover.
- (d) Remove the lower LH finish panel.
- (e) Remove the lower cover (See page [BO-111](#)).



- (f) Remove the blower resistor.
 - (1) Disconnect the connector.
 - (2) Remove the 2 screws and blower resistor.
- (g) Using a gas leak detector, check for leakage.
If there is leakage, check the tightening torque at the joints or check the evaporator.
- (h) Install the blower resistor with the 2 screws.
- (i) Install the lower cover.
- (j) Install the lower LH finish panel.
- (k) Install the lower center cover.
- (l) Install the lower No. 2 finish panel.
- (m) Install the glove compartment door (See page [BO-120](#)).

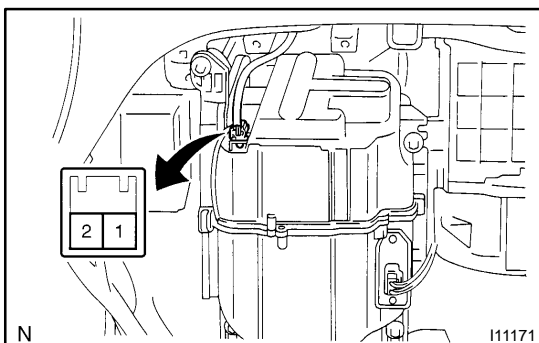
2. INSPECT EXPANSION VALVE

- (a) Check quantity of gas during refrigeration cycle.
- (b) Set the manifold gauge set.
- (c) Run the 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 to 1.57 Mpa (14 to 16 kgf/cm², 199 to 288 psi).
- (d) Check the 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 low pressure reading drops to 0 kPa (0 kgf/cm², 0 psi), there is no difference in temperature between the IN and OUT sides of the receiver.



3. INSPECT THERMISTOR RESISTANCE

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

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

If resistance is not as specified, replace the thermistor.