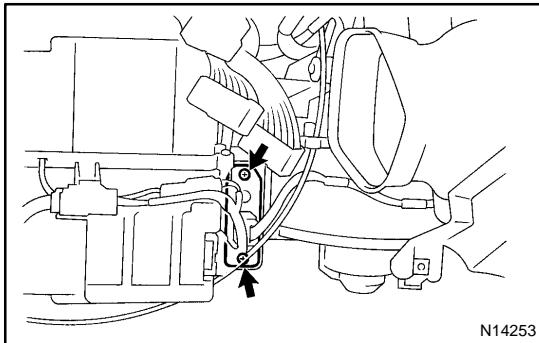


## COOLING UNIT

### ON-VEHICLE INSPECTION

#### 1. INSPECT FOR LEAKAGE OF REFRIGERANT

- (a) Remove the glove compartment door  
(See page [BO-69](#) ).



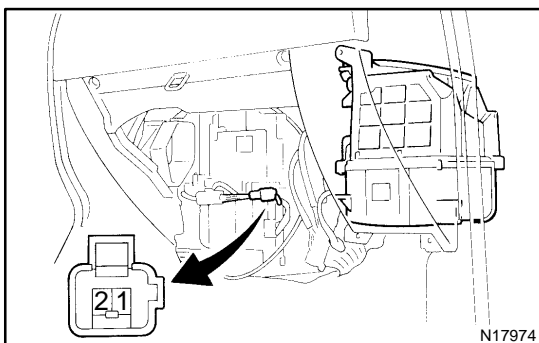
- (b) Manual A/C:  
Remove the blower resistor.
  - (1) Disconnect the connector.
  - (2) Remove the 2 screws and blower resistor.
- (c) Using a gas leak detector, check for leakage.  
If there is leakage, check the tightening torque at the joints or check the evaporator.
- (d) Manual A/C:  
Install the blower resistor with the 2 screws.
- (e) Install the glove compartment door (See page [BO-76](#) ).

#### 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/cm<sup>2</sup>, 199 - 288 psi).
- (d) Check expansion valve.  
If the expansion valve is faulty, the low pressure reading will drop to 0 kPa (0 kgf/cm<sup>2</sup>, 0 psi).

#### HINT:

When the lower pressure drop to 0 kPa (0 kgf/cm<sup>2</sup>, 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  $\Omega$  at 25°C (77°F)**  
If resistance is not as specified, replace the thermistor.