

## REAR COOLING UNIT ON-VEHICLE INSPECTION

AC1KA-01

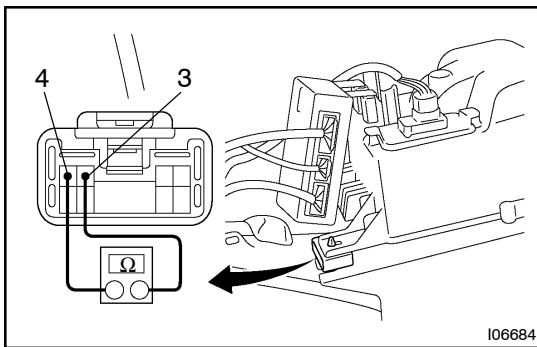
### 1. INSPECT EXPANSION VALVE

- (a) Check quantity of gas during refrigeration cycle.
- (b) Set on manifold gauge set.
- (c) Start engine.
- (d) Operate the A/C system.
- (e) Inspect the expansion valve.
  - (1) Run engine at 1,500 rpm for a least 5 minutes.
  - (2) Check the high pressure reading is 1.37 – 1.57 MPa (14 – 16 kgf/cm<sup>2</sup>, 199 – 288 psi).
  - (3) Check the low pressure reading.

If the low pressure reading is 0 kPa (0 kgf/cm<sup>2</sup>, 0psi), replace the expansion valve.

### 2. REMOVE THESE PARTS:

- (a) Rear door scuff plate RH
- (b) Rear floor mat support plate
- (c) Quarter trim panel RH

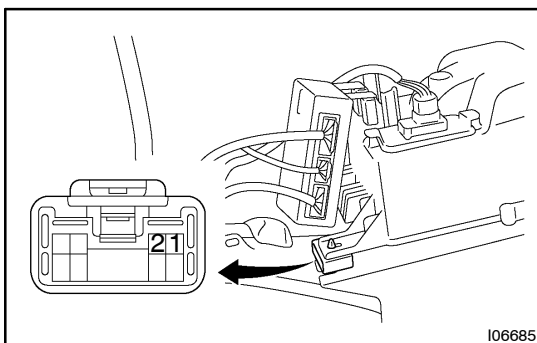


### 3. INSPECT THERMISTOR RESISTANCE

- (a) Disconnect the connector.
- (b) Measure resistance between terminals 3 and 4.

**Standard resistance: Approx. 1.5 kΩ at 25 °C (77 °F)**

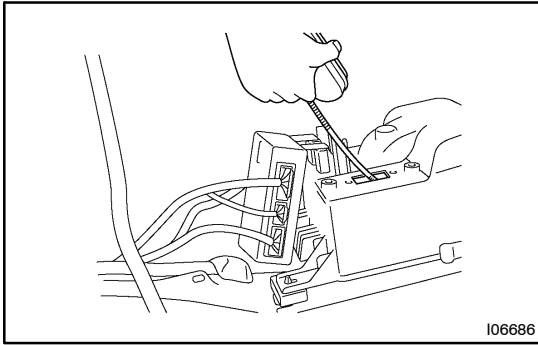
If resistance is not as specified, proceed "INSPECTION" on page [AC-37](#).



### 4. INSPECT MAGNETIC VALVE CONTINUITY

- (a) Disconnect the connector.
- (b) Check the continuity exists between terminals 1 and 2.

If resistance is not as specified, proceed "INSPECTION" on page [AC-37](#).

**5. CHECK FOR LEAKAGE OF REFRIGERANT**

- (a) Remove the power transistor.
- (b) Using a gas leak detector, check for leakage of refrigerant.

If there is leakage, check the evaporator or tightening torque at the joints.