

REAR COOLING UNIT ON-VEHICLE INSPECTION

AC1S2-01

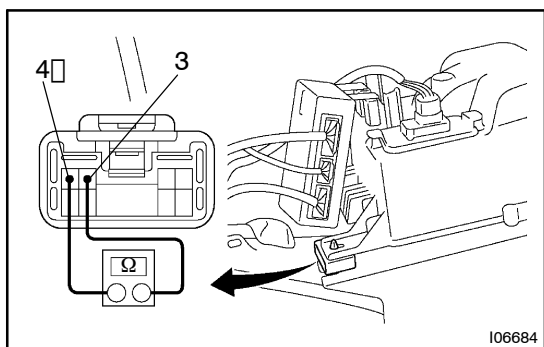
1. INSPECT EXPANSION VALVE

- Check quantity of gas during refrigeration cycle.
- Set on manifold gauge set.
- Start engine.
- Operate the A/C system.
- Inspect the expansion valve.
 - Run engine at 1,500 rpm for at least 5 minutes.
 - Check the high pressure reading is $1.37 - 1.57$ MPa ($14 - 16$ kgf/cm², $199 - 228$ psi).
 - Check the low pressure reading.

If the low pressure reading is 0 kPa (0 kgf/cm², 0 psi), replace the expansion valve.

2. REMOVE THESE PARTS:

- Rear door scuff plate RH
 - Rear floor mat support plate
 - Quarter trim panel RH
- (See page BO-137)

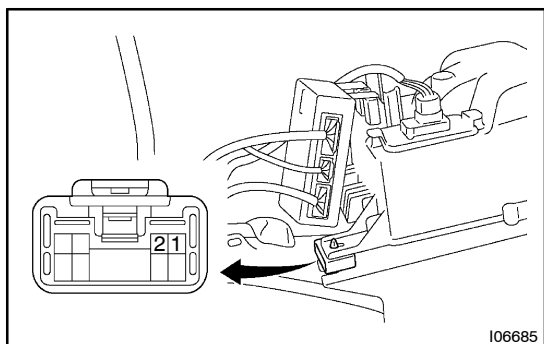


3. INSPECT THERMISTOR RESISTANCE

- Disconnect the connector.
- Measure resistance between terminals 3 and 4.

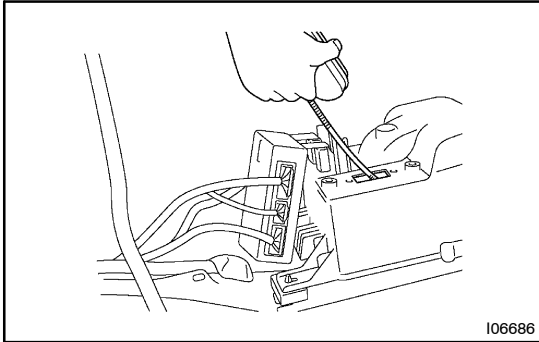
Standard resistance: Approx. 1.5 kΩ at 25 °C (77 °F)

If resistance is not as specified, proceed "INSPECTION" on page AC-52.



4. INSPECT MAGNETIC VALVE CONTINUITY

- Disconnect the connector.
 - Check the continuity exists between terminals 1 and 2.
- If resistance is not as specified, proceed "INSPECTION" on page AC-52.

**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.