

9. Sight Glass Inspection

1. INSPECTION CONDITION

- 1) Operate the engine at approximately 1,500 rpm.
- 2) Open the door windows.
- 3) Set the fan switch to the 4th (High) position.
- 4) Set the mode selector switch to "A/C" position.
- 5) Set the temperature control switch to Full cold position.
- 6) Ensure that compressor discharge pressure is at least 588 kPa (6 kg/cm², 85 psi).

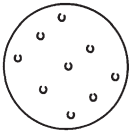
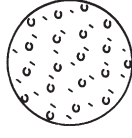
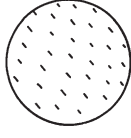
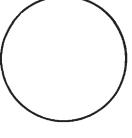
NOTE:

When discharge pressure does not reach 588 kPa (6 kg/cm², 85 psi) in areas where outside air temperature is low, proceed as follows:

- a. Set the TEMP. SWITCH to the Full hot position.
- b. Set the temperature control switch to "MAX. A/C" position.
- c. Close the door windows completely.
- d. Increase the compartment temperature so that discharge pressure reaches at least 588 kPa (6 kg/cm², 85 psi).

2. REFRIGERANT CHARGE AMOUNT CHECKING

Check the refrigerant charge amount using the following table as a guide.

Item to check	Adequate	Insufficient	Almost in refrigerant	Too much refrigerant
State in sight glass	<p>CLEAR Air bubbles sometimes appear when engine speed is increased or decreased.</p>  <p style="text-align: center;">G4M0669</p>	<p>FOAMY or BUBBLY Air bubbles always appear.</p>  <p style="text-align: center;">G4M0670</p>	<p>FROSTY Frost-like appears.</p>  <p style="text-align: center;">G4M0671</p>	<p>NO FOAM No air bubbles appear.</p>  <p style="text-align: center;">G4M0672</p>
Temperature of high and low pressure lines	High-pressure side is hot while low-pressure side is cold. (A big temperature difference between high and low pressure side)	High-pressure side is warm and low-pressure side is slightly cold. (Not so big temperature difference between high and low pressure side)	There is almost no temperature difference between high and low pressure side.	High-pressure side is hot and low-pressure side is slightly warm. (Slight temperature difference between high and low pressure side)
Pressure of system	Both pressures on high and low pressure sides are normal.	Both pressures on high and low pressure sides are slightly low.	High-pressure side is abnormally low.	Both pressures on high and low pressure sides are abnormally high.