



REFRIGERANT VOLUME

AC00G-02

REFRIGERANT VOLUME INSPECTION

1. RUN ENGINE AT IDLE SPEED
2. OPERATE A/C AT MAXIMUM COOLING FOR A FEW MINUTES
3. INSPECT AMOUNT OF REFRIGERANT

Observe the sight glass on the liquid tube.

| Item | Symptom | Amount of refrigerant | Remedy |
|------|---|------------------------------|---|
| 1 | Bubbles present in sight glass | Insufficient* | (1) Check for gas leakage with gas leak tester and repair if necessary (2) Add refrigerant until bubbles disappear |
| 2 | No bubbles present in sight glass | None, sufficient or too much | Refer to items 3 and 4 |
| 3 | No temperature difference between compressor inlet and outlet | Empty or nearly empty | (1) Check for gas leakage with gas leak tester and repair if necessary (2) Add refrigerant until bubbles disappear |
| 4 | Temperature between compressor inlet and outlet is noticeably different | Proper or too much | Refer to items 5 and 6 |
| 5 | Immediately after air conditioner is turned off, refrigerant in sight glass stays clear | Too much | (1) Recover refrigerant (2) Evacuate air and charge proper amount of purified refrigerant |
| 6 | When air conditioner is turned off, refrigerant foams and then stay clear | Proper | - |

*: Bubbles in the sight glass with ambient temperatures higher can be considered normal if cooling is sufficient.

REFRIGERANT CHARGE VOLUME

AC00H-03

Specified amount:

850 ±50 g (29.98 ±1.76 oz.)