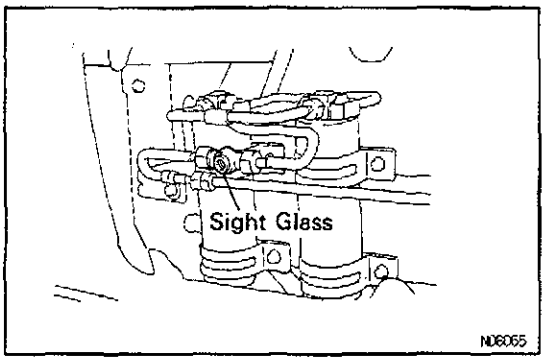


REFRIGERANT VOLUME

AC00G-08

REFRIGERANT VOLUME INSPECTION

1. **SET TEMPERATURE CONTROL AT MAX. COOL**
2. **SET BLOWER SWITCH AT "HI"**
3. **SET AIR INLET CONTROL AT "RECIRC"**
4. **A/C SWITCH ON**
5. **FULLY OPEN DOORS**
6. **RUN ENGINE AT APPROX. 1,500 RPM**
7. **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	Correct 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 conditioning is turned off, refrigerant foams and then stay clear	Correct	–

AC

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

AC00H-08

REFRIGERANT CHARGE VOLUME

Specified amount:
2,000 ± 50 g (70.54 ± 1.76 oz.)