

## CHARGING

1. REMOVE LUGGAGE COMPARTMENT TRIM BOX COVER
2. INSTALL CHARGING CYLINDER

### HINT:

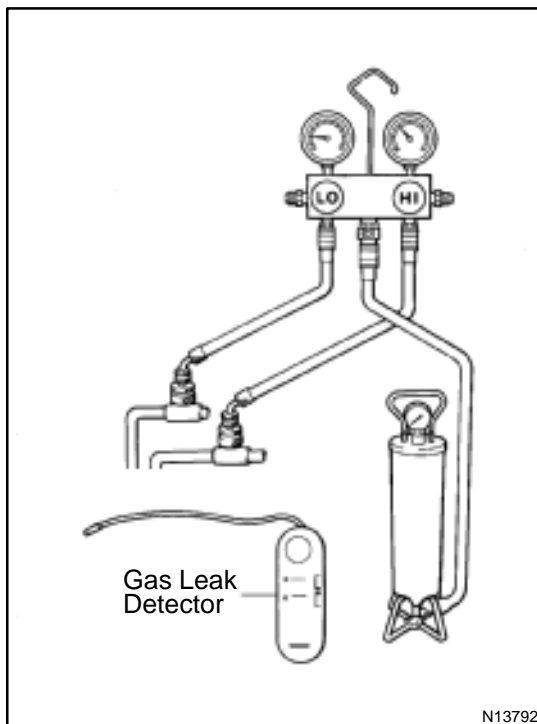
When handling the charging cylinder, always follow the directions given in the instruction manual.

- (a) Charge the proper amount of refrigerant into the charging cylinder.
- (b) Connect the center hose to the charging cylinder.

### CAUTION:

**Do not open both high and low hand valves of manifold gauge set.**

- (c) Open the valve of charging cylinder.
- (d) Press the valve core on the side of manifold gauge and purge the air inside of the center hose.

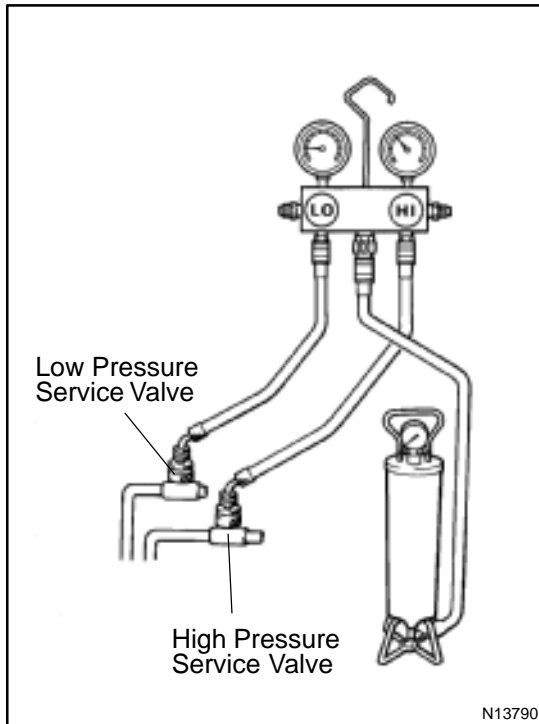


### 3. INSPECT REFRIGERATION SYSTEM FOR LEAKS

- (a) Open the high pressure hand valve and charge refrigerant.
- (b) When the low pressure gauge indicates 98 kPa (1 kgf/cm<sup>2</sup>, 14 psi) close the high pressure hand valve.
- (c) Using a gas leak detector, check the system for leakage.

### CAUTION:

**Use the refrigerant recovery/ recycling machine to recover the refrigerant whenever replacing parts.**



#### 4. CHARGE REFRIGERANT INTO REFRIGERANT SYSTEM

If there is no leak after refrigerant leak check, charge the proper amount of refrigerant into refrigeration system.

##### CAUTION:

- **Never run the engine when charging the system through the high pressure side.**
- **Do not open the low pressure hand valve when the system is being charged with liquid refrigerant.**

- (a) Open the high pressure hand valve fully.
- (b) Charge specified amount of refrigerant, then close the high pressure hand valve.

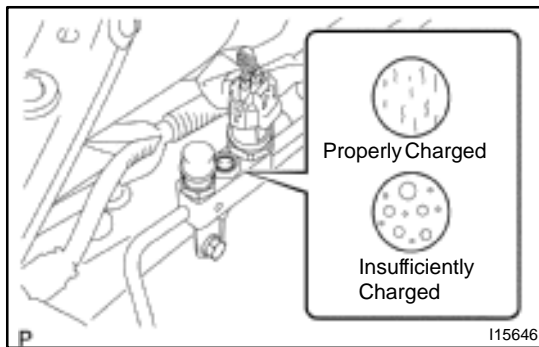
##### HINT:

A fully charged system is indicated by the sight glass being free of any bubbles.

- (c) Charge partially refrigeration system with refrigerant.
  - (1) Set vehicle in these conditions:
    - Running engine at 1,500 rpm
    - Blower speed control switch: "HI"
    - Temperature control selector: "MAX. COOL"
    - Air inlet control selector: "RECIRC"
    - Fully open doors (Soft top: closed)
  - (2) Open the low pressure hand valve.

##### CAUTION:

**Do not open the high pressure hand valve.**



- (d) Charge refrigerant until bubbles disappear and check the pressure on the gauge through the sight glass.
- (e) Replenishment to be  $100 \pm 50$  g after bubbles disappear.