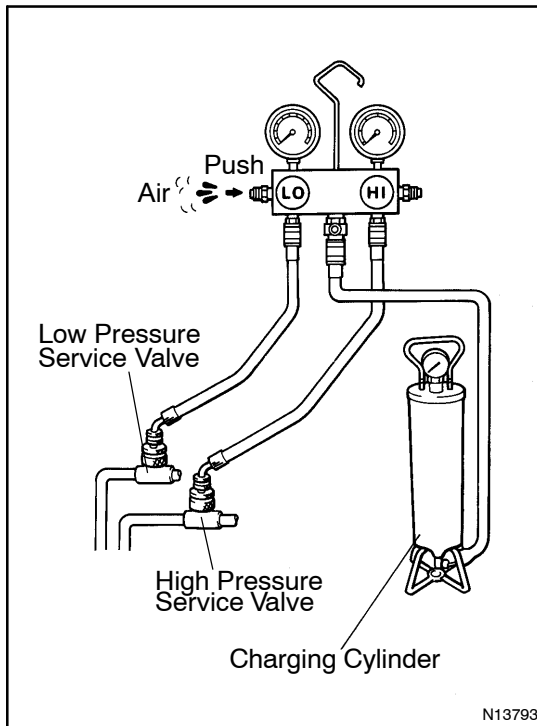




## CHARGING

### 1. INSTALL CHARGING CYLINDER

#### HINT:

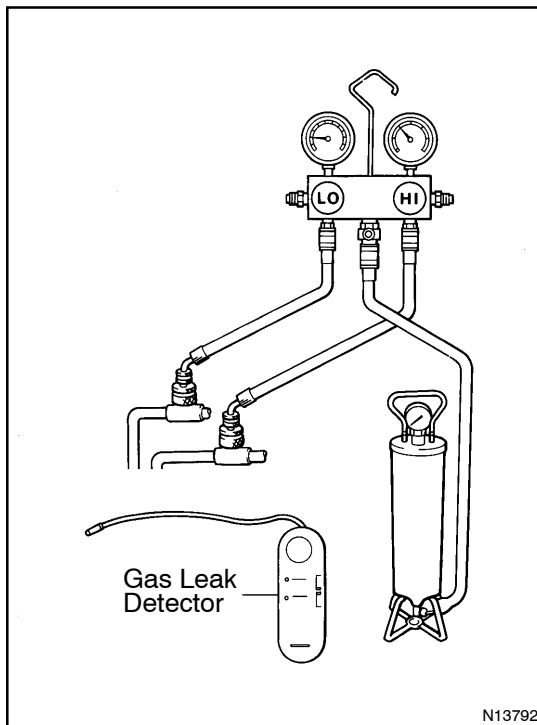
When handling the charging cylinder, always follow the directions given in the instruction manual.

- Charge the proper amount of refrigerant into the charging cylinder.
- Connect the center hose to the charging cylinder.

#### CAUTION:

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

- Open the valve of the charging cylinder.
- Press the valve core on the side of manifold gauge and expel the air inside the center hose.



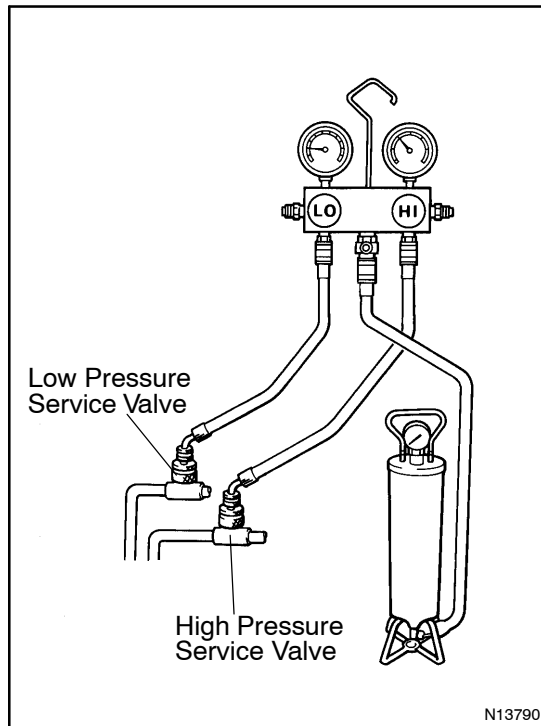
### 2. INSPECT REFRIGERATION SYSTEM FOR LEAKS

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

If leaks are found, repair the faulty component or connection.

#### CAUTION:

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



### 3. CHARGE REFRIGERANT INTO REFRIGERATION SYSTEM

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

#### CAUTION:

- Do not 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:

No bubbles in the sight glass indicates that the system is fully charged.

(c) Partially charge the refrigeration system with refrigerant.

(1) Start engine and race engine at 1,500 rpm.

(2) Set fan speed selector to "HI".

(3) Set temperature control to "MAX. COOL".

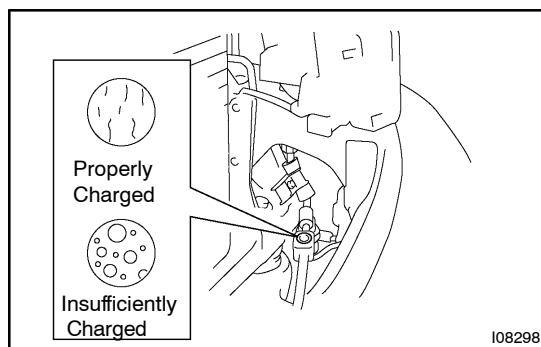
(4) Set air inlet control to "RECIRC".

(5) Fully open doors (Sliding roof: closed).

(6) 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.