

## 6. Discharge the System

**CAUTION:**

The following points should be kept in mind when discharging the system.

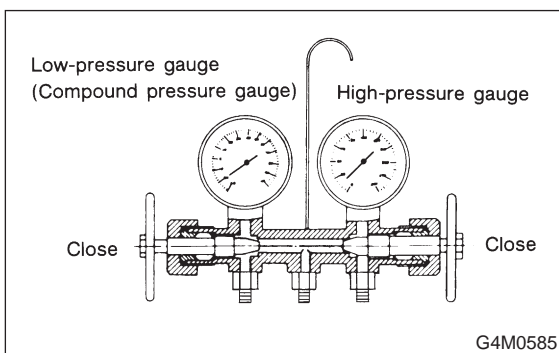
- Be certain that goggles and gloves are worn.
- Connect refrigerant recovery system to manifold gauge set and remove recycle refrigerant from A/C system.

**NOTE:**

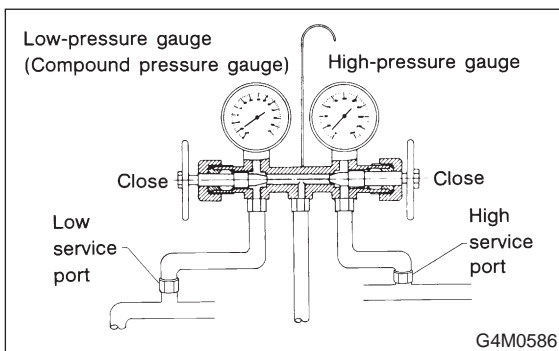
Refer to appropriate refrigerant recovery system instruction manual for operation.

### A: CONNECTING THE MANIFOLD GAUGE SET

- 1) Close the high and low side manifold valves.



- 2) Turn the A/C system ON and turn the IG switch OFF.
- 3) Attach the high- and low-pressure manifolds to the high and low services port on the vehicle.



### B: PREPARE FOR DISCHARGING

Connect the center manifold hose to the refrigerant recovery system to recycle refrigerant.

## 7. Evacuating and Charging

The following points should be kept in mind when evacuating and charging with a manifold gauge set.

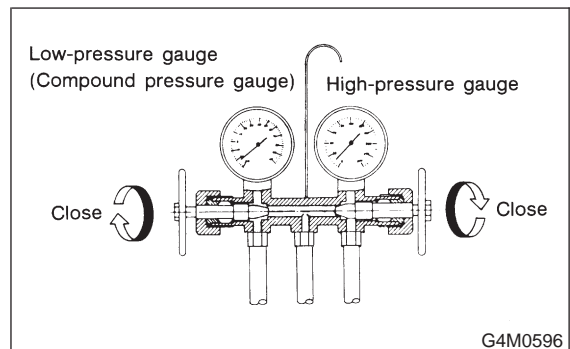
- 1) Be certain that goggles and gloves are worn.
- 2) If bulk refrigerant [13.6 kg (30 lb) canister] is used, be certain to weigh the charge amount carefully, using the correct equipment, to avoid overcharging the system.
- 3) The charging procedure described in this section begins by charging liquid refrigerant into the high- pressure side of the system with the engine off. The procedure is completed by charging refrigerant vapor into the low-pressure side of the system with the engine running.

**CAUTION:**

Never open the high-pressure manifold valve when the engine is running.

### A: CONNECT THE GAUGE SET

- 1) Close the high- and low-pressure manifold valves.



- 2) Attach the low-pressure manifold hose to the low- pressure service port on the vehicle. Check the low- pressure gauge. If more than 68.6 kPa (0.70 kg/cm<sup>2</sup>, 10 psi) is indicated, discharge the system prior to charging.
- 3) Attach the high-pressure manifold hose to the high- pressure service port on the vehicle.
- 4) Connect the center hose from the manifold to the vacuum pump.
- 5) Turn on the vacuum pump.