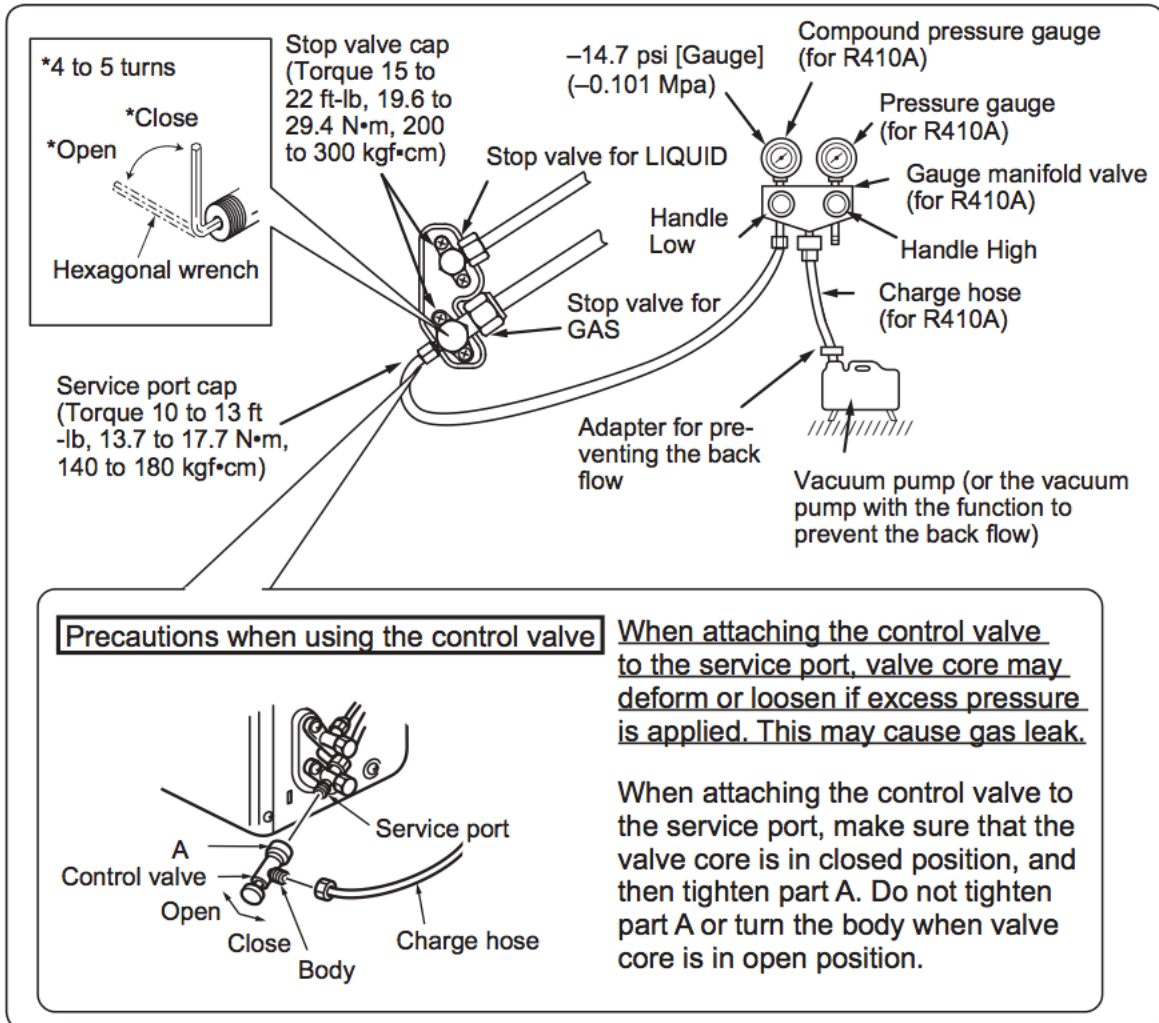


## 4-1. PURGING PROCEDURES AND LEAK TEST

- 1) Remove service port caps from stop valves on both sides of refrigerant lines. (The stop valves are fully closed when shipped.) Leave closed.
- 2) Connect gauge manifold to ports of stop valves.



- 3) Evacuate the system to 4000 microns from both service valves. System manifold gauges must not be used to measure vacuum. A micron gauge must be used at all times. Break the vacuum with Nitrogen(N<sub>2</sub>) into the discharge service valve to 0 PSIG.
- 4) Evacuate the system to 1500 microns. Break the vacuum with Nitrogen(N<sub>2</sub>) into the discharge service valve to 0 PSIG.
- 5) Evacuate the system to 500 microns.
- 6) Close gauge manifold valves, stop the pump, and conduct a 30 minute rise test.
- 7) System should hold 500 microns for a minimum of 1 hour.
- 8) Fully open all stop valves on both sides of gas pipe and liquid pipe. Operating without fully opening lowers the performance and this causes trouble.
- 9) Refer to 1-3 and charge the prescribed amount of additional refrigerant if needed. Be sure to charge slowly with liquid refrigerant. Otherwise composition of the refrigerant in the system may be changed and affect performance of the air conditioner.
- 10) Remove gauge manifolds and replace service port caps and tighten.
- 11) Leak test