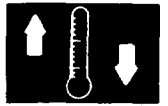


# A/C System Service

## Evacuation



### NOTE:

- Only use a gauge set for refrigerant HFC-134a (R-134a).
- Use a vacuum pump adapter which is equipped with a check valve to prevent the backflow of the vacuum pump oil.

1. When an A/C System has been opened to the atmosphere, such as during installation or repair, it must be evacuated using a R-134a refrigerant vacuum pump. (If the system has been open for several days, the receiver/dryer should be replaced.)
2. Connect a R-134a refrigerant gauge, pump and refrigerant containers (cans of R-134a) as shown.

NOTE: Do not open the cans.

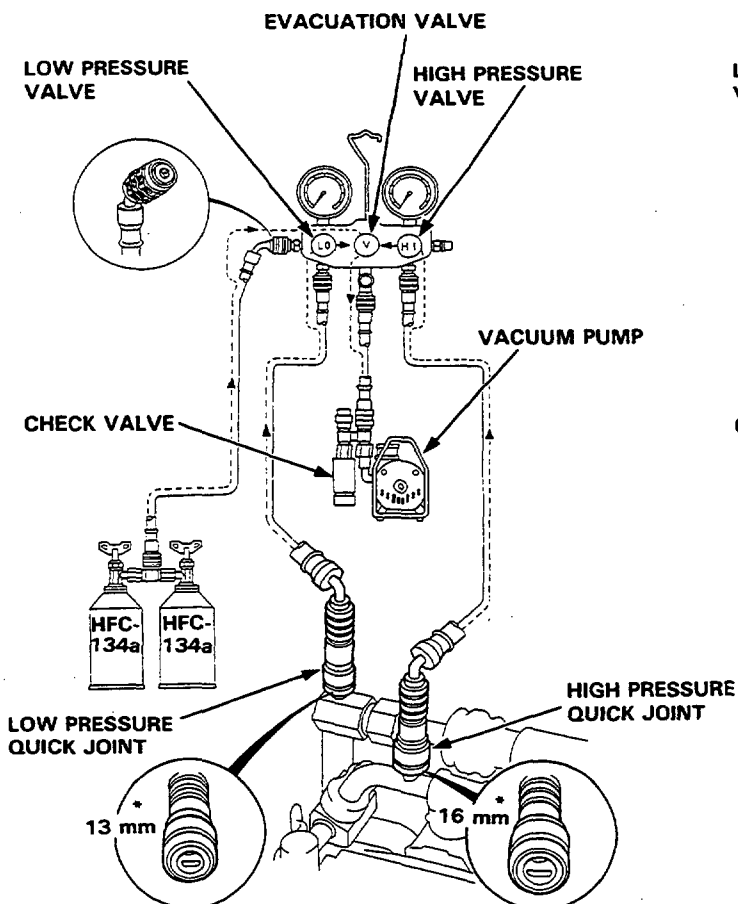
3. Start the pump, then open both pressure valves, and the evacuation valve (in case of two valve gauge:

open the evacuation stop valve). Run the pump for about 15 minutes. Close both pressure valves and the evacuation valve (in case of two valve gauge: close the evacuation stop valve) and stop the pump. The low pressure gauge should indicate above 93.3 kPa (700 mmHg, 27.6 in-Hg) and remain steady with the valves closed.

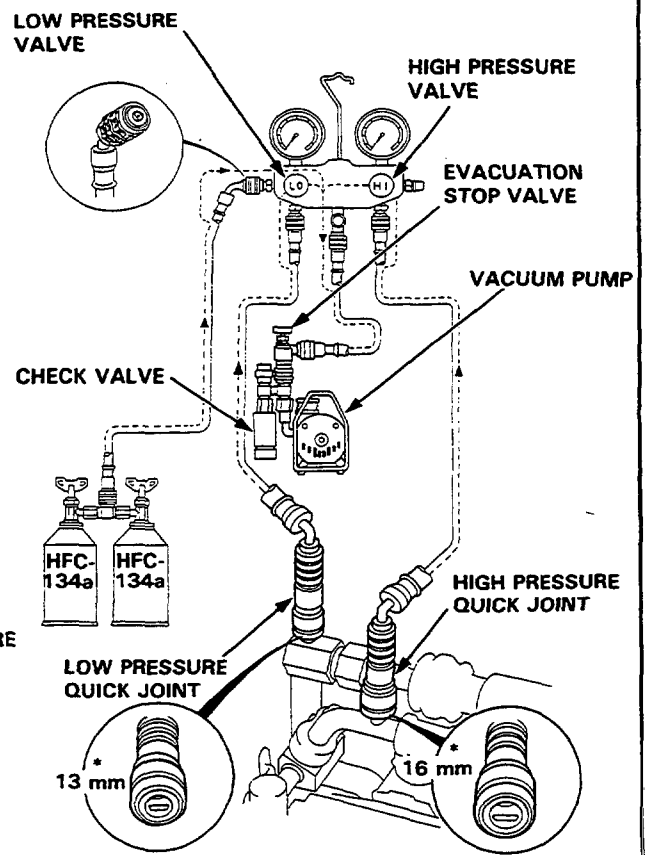
NOTE: If low pressure does not reach more than 93.3 kPa (700 mmHg, 27.6 in-Hg) in 15 minutes, there is probably a leak in the system. Check for leaks, and repair (see Leak Test).

4. If there are no leaks, open the valves and continue pumping for at least another 15 minutes. Then close both valves and stop the pump.

THREE VALVE GAUGE



TWO VALVE GAUGE



\* INNER DIAMETER (mm)