

Evacuation - Sanyo 26 series Installation Instructions Manual

Split system heat pump air conditioner

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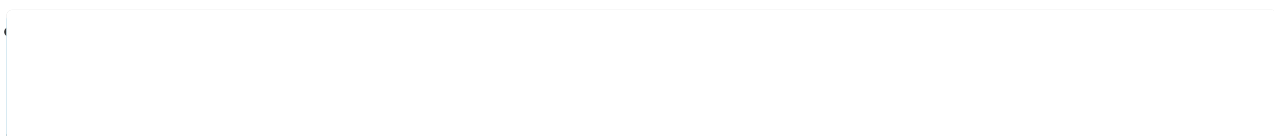
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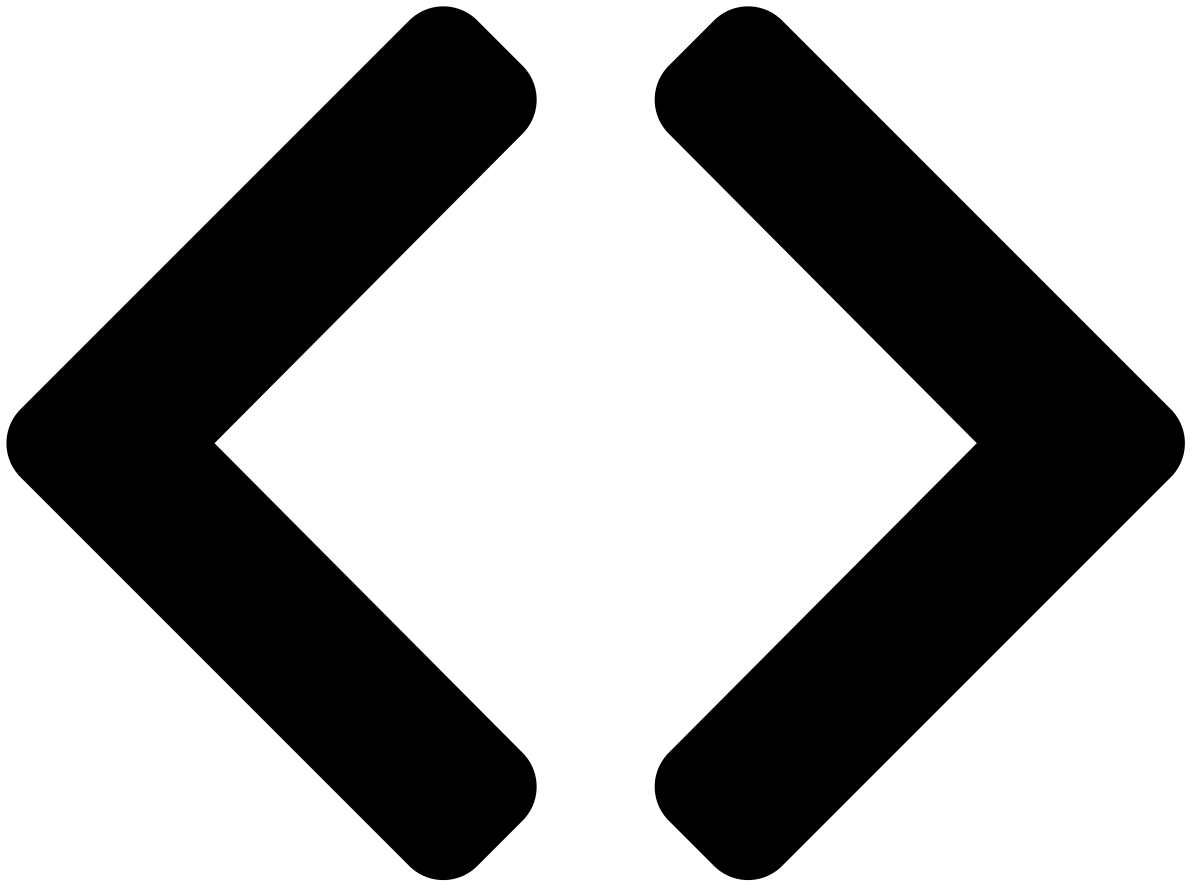


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Bookmarks



Enlarged version

(3) Pressurize the system up to 4.15 MPa

2

(42 kgf/cm

G) with dry nitrogen gas and close the cylinder valve when the gauge reading reaches

2

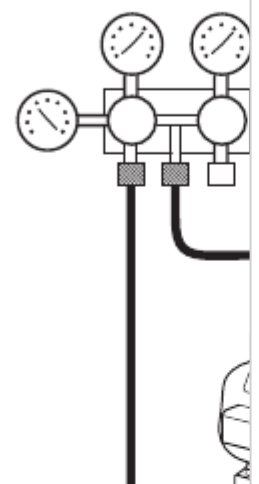
4.15 MPa (42 kgf/cm

G). Then, test for leaks with liquid soap.

To avoid nitrogen entering the

CAUTION

refrigerant system in a liquid state, the top of the cylinder must be higher than the bottom when you pressurize the system. Usually, the cylinder is used in a vertical standing



position.

(4) Do a leak test of all joints of the tubing (both indoor and outdoor) and both gas and liquid service valves. Bubbles indicate a leak. Wipe off the soap with a clean cloth after the leak test.
(5) After the system is found to be free of leaks, relieve the nitrogen pressure by loosening the charge hose connector at the nitrogen cylinder. When the system pressure is reduced to normal, disconnect the hose from the cylinder.



10-2. Evacuation

Be sure to use a vacuum pump that includes a function for prevention of back-flow, in order to prevent back-flow of pump oil into the unit tubing when the pump is stopped.

G
Perform vacuuming of the indoor unit and tubing. Connect the vacuum pump to the gas tube valve and apply vacuum at a pressure of -755 mmHg (5 Torr) or below.

Continue vacuum application for a minimum of 1 hour after the pressure reaches -755 mmHg.)

(1) Attach the charge hose end described in the preceding steps to the vacuum pump to evacuate the tubing and indoor unit. Confirm that the "Lo" knob of the manifold valve is open. Then, run the vacuum pump.

(2) When the desired vacuum is reached, close the "Lo" knob of the manifold valve and turn off the vacuum pump. Confirm that the gauge pressure is under 667 Pa (-755 mmHg, 5 Torr) after 4 to 5 minutes of vacuum pump operation.

Use a cylinder specifically

CAUTION

designed for use with R410A.

Manifold valve

Pressure

Lo

gauge

Gas

tube

Liquid

tube

101

Hi

Vacuum pump

Open

Close

Outdoor unit

Close

Fig. 10-4

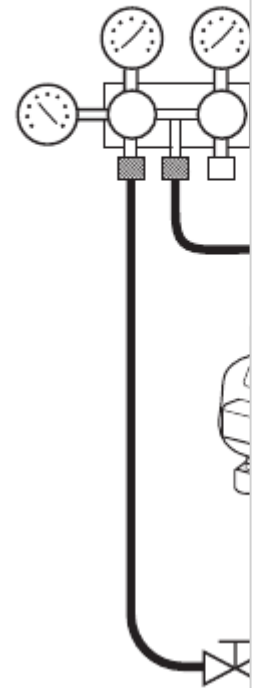


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