

Connecting Wide Tubing Side; Connecting Tubing Between Indoor And Outdoor Units - Sanyo SPW- X483GH56 Installation Instruction

Eco multi system air conditioner

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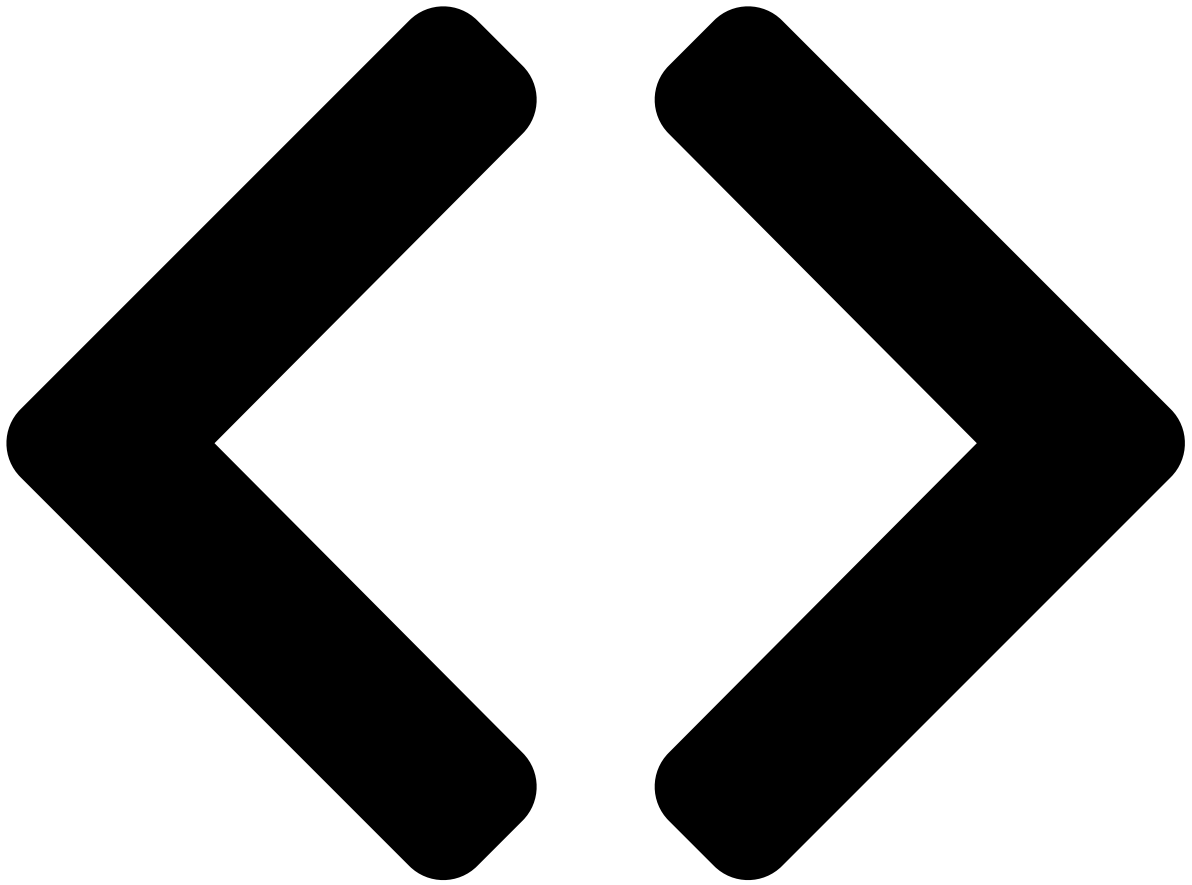
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Enlarged version

Caution before Connecting Tubes Tightly

(1)

Apply a sealing cap or water-proof tape to prevent dust or water from entering the tubes before they are used.

(2)

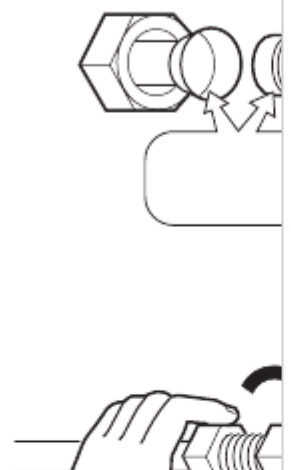
Apply refrigerant lubricant to the matching surfaces of the flare and union before connecting them together. This helps to reduce gas leaks.

(Fig. 8-4)

(3)

For proper connection, align the union tube and flare tube with each other, then screw in the flare nut lightly at first to obtain a smooth match. (Fig.

8-5)



Adjust the shape of the narrow tube (liquid tube) using a tube bender at the installation site and connect it to the narrow tubing side (liquid tubing side) valve using a flare.

8-2. Connecting Wide Tubing Side

Cautions During Brazing

Replace air inside the tube with nitrogen gas to prevent copper oxide film from forming during the brazing process.

Do not allow the tubing to get too hot during brazing.

The nitrogen gas inside the tubing may over-heat, causing refrigerant system valves to become damaged. Therefore allow the tubing to cool between brazing.

8-3. Connecting Tubing between Indoor and Outdoor Units

(1)

Tightly connect the indoor-side refrigerant tubing extended from the wall with the outdoor-side tubing.

(2)

To fasten the flare nuts, apply specified torque as follows:

Tightening Torque, Approximate

Tube Diameter

6.35 mm (1/4")

9.52 mm (3/8")

12.7 mm (1/2")

15.88 mm (5/8")

19.05 mm (3/4")

25.4 (1") 28.58 (1-1/8")

Bolt to fasten flange

140 — 180 kg-cm

(120 — 160 lbs-in.)

340 — 420 kg-cm

(300 — 360 lbs-in.)

490 — 610 kg-cm

(430 — 530 lbs-in.)

680 — 820 kg-cm

(590 — 710 lbs-in.)

1000 — 1200 kg-cm

(870 — 1040 lbs-in.)

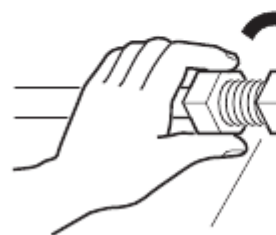
300 — 350 kg-cm

(260 — 310 lbs-in.)

Apply refrigerant

lubricant here and here

Union



ManualsLib.com



Torque wrench

Indoor unit

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S4179544

S4179544

0129_M_I

Fig. 8-4

Flare nut

0130_M_I

Fig. 8-5

Spanner

Outdoor unit

0131_C_I

Fig. 8-6



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