

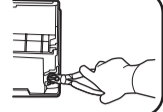
2 PIPING FROM THE LEFT SIDE (BACKWARD, DOWNWARD, HORIZONTAL)

Preparation

Changed of Drain Hose and Installation Procedures.

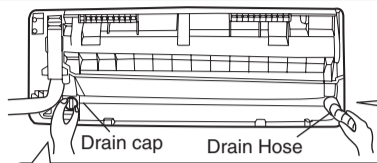
- Exchange the location of drain hose and drain cap while installing the pipe from the left side as shown in below. Be sure to plug in the drain hose until the insulating material folds upon itself.

- Please use pliers to pull out the drain cap. (This is an easier way to remove the drain cap).

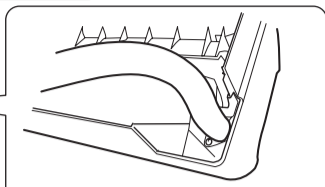


CAUTION

Insufficient insert may result in water leakage.



- Remove low cover
- Insert drain cap up to the location securely till the cap stops.



- Push the pipe deeply until the insulating section of the drain hose end gets over the rib at the indoor unit side.

CAUTION

- The rubber strap used for fixing the insulator should not be tied with great force. Otherwise, this will damage heat insulation and causes water condensation.

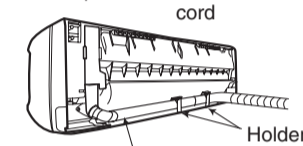
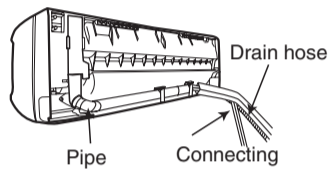
- Please pull the lower part of the Indoor unit outwards to check if the unit is hooked onto the hanger. Improper installation may cause vibration and noise.

- Transform the piping while holding down the lower portion of pipe-support by hand.



INSTALLATION AFTER CONNECTION OF REFRIGERATING PIPES

- The refrigerating pipe should be adjusted to fit into the hole on the wall and then ready for further connection.
- The terminals of 2 connected pipes must be covered with insulator used for terminal connection. Then the pipes are wrapped with insulation pipe.
- Connect the connecting cord after removing low cover. (Refer to "CONNECTION OF POWER CORD")
- After adjustment, fit the connecting cord and pipes into the space available under the unit. Use holder to hold them tight.
- Holder can be attached at the either of 2 places. Please select the easier position.



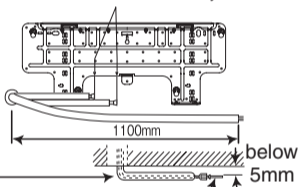
Insulation pipe (must be wrapped with vinyl tape at every 120 mm)

THE CONNECTION OF REFRIGERATING PIPE DURING THE INSTALLATION OF INDOOR UNIT

Preparation To Install Refrigerating Pipes

- The refrigerating pipes and connecting cord transform and are attached.

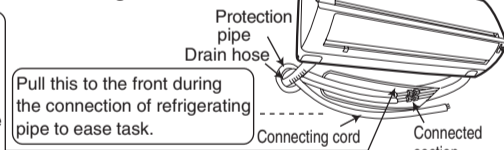
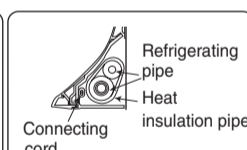
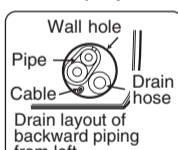
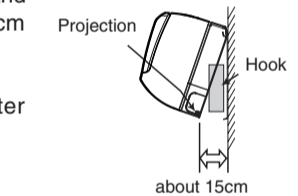
The end of the refrigerating pipes are at locations marked with "V" symbol.



Installation

- Hang the indoor unit onto the hanger. Use the temporary stand at the back of the Indoor unit to push its lower part 15cm forwards.
- Place the drain hose through the hole on the wall.
- Wrap the refrigerating pipes with insulation pipe after connecting refrigerating pipe.
- Connect the connecting cord after removing low cover. (Refer to "Connection of Power Cord")
- After adjustment, the connecting cord and refrigerating pipes are placed into the space available under the Indoor unit.
- The projection of Indoor unit must hook to the hanger.

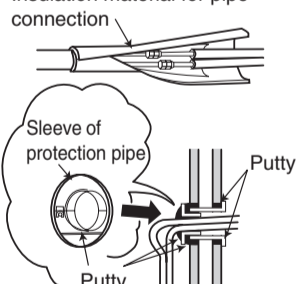
Please bend at a small radius to form an arc



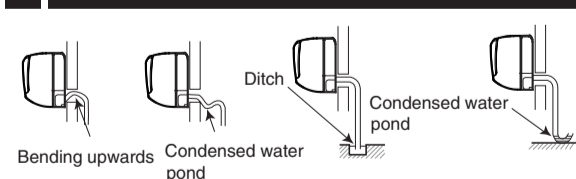
3 Heat Insulation and Finish of the Piping

- The connected terminals should be completed sealed with heat insulator and then tied up with rubber strap.
- Do not tie the terminals with the tape too tight. If any clearance or over-tightening may cause condensation.
- Please tie the pipe and power line together with vinyl tape as shown in the figure showing the installation of Indoor and Outdoor units.
- To enhance the heat insulation and to prevent water condensation, please cover the outdoor part of the drain hose and pipe with insulation pipe.
- Completely seal any gap with putty.

Insulation material for pipe connection



4 Installation of Drain Hose



CAUTION

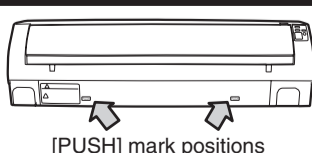
Be sure that the drain hose is not loosely connected bend or proper condition like left figure.

CAUTION

You are free to choose the side (left or right) for the installation of drain hose. Please ensure the smooth flow of condensed water of the Indoor unit during installation. (Careless may result in water leakage.)

HOW TO REMOVE INDOOR UNIT

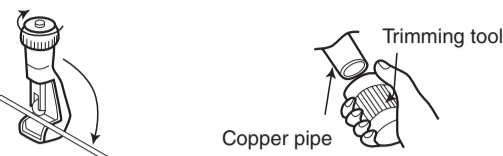
- Push up the [PUSH] sections at the bottom of the indoor unit and pull the bottom plate towards you. Then the claws are released from the stationary plate. (The [PUSH] sections are indicated by 2 arrows in the right figure)



INSTALLATION OF REFRIGERATING PIPES AND AIR REMOVAL

1 Preparation of Pipe

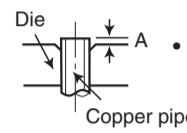
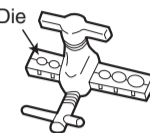
- Use a pipe cutter to cut the copper pipe and remove burr.



CAUTION

- Remove burr and jagged edge will cause leakage.
- Point the side to be trimmed downwards during trimming to prevent copper chips from entering the pipe.

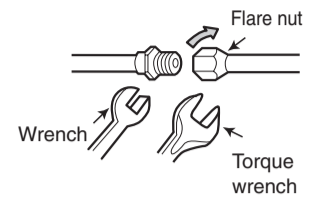
- Before flaring, please put on the flare nut.



- Please use exclusive tool for refrigerant R410A.

Outer Diameter (Ø)	A (mm) Rigid Flaring Tool	
	For R410A tool	For R22 tool
6.35 (1/4")	0 - 0.5	1.0
9.52 (3/8")	0 - 0.5	1.0

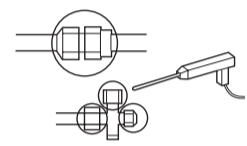
- Please be careful when bending the copper pipe.
- Screw in manually while adjusting the center. After that, use a torque wrench to tighten the connection.



	Outer diameter of pipe (Ø)	Torque N·m (kgf·cm)
Small diameter side	6.35 (1/4")	13.7-18.6 (140 - 190)
Large diameter side	9.52 (3/8")	34.3-44.1 (350 - 450)
Valve Small diameter side	6.35 (1/4")	19.6-24.5 (200 - 250)
head cap Large diameter side	9.52 (3/8")	19.6-24.5 (200 - 250)
Valve core cap		12.3-15.7 (125 - 160)

Gas leakage inspection

- Please use gas leakage detector to check if leakage occurs at connection of Flare nut as shown in below. If gas leakage occurs, further tighten the connection to stop leakage.



2 Pipe Connection

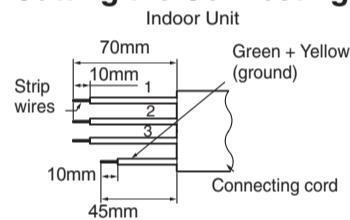
CAUTION

- In case of removing flare nut of a indoor unit, first remove a nut of small diameter side, or a seal cap of big diameter side will fly out. Free from water into the piping when working.
- Be sure to tighten the flare nut to the specified torque with a torque wrench. If the flare nut is overtightened, the nut may be split after a long period has passed, and may cause a refrigerant leak.

CONNECTION OF POWER CORD

WARNING THIS APPLIANCE MUST BE EARTHED.

Detail of Cutting the Connecting Cord



Method to remove the low cover

- Pull at the ① and ② in the directions as shown by arrows to remove the cover.

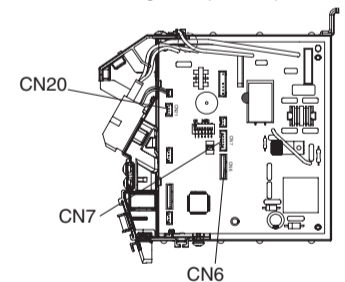


How to connect the optional parts (H-LINK RAC Adapter, Dry contact, Wired Remote Controller)

- For cable connection to control P.W.B., you need to remove front cover and electrical box cover. Each connecting location is as below.

- Dry contact: CN6
- H-LINK RAC Adapter: CN7
- Wired Remote Controller: CN20

- Please check and confirm manuals attached to each optional parts for more connection details.
- You can refer to this installation manual how to remove and re-attach the front cover.
- Please be careful not to damage lead wires by edge of plate when connecting the optional parts.

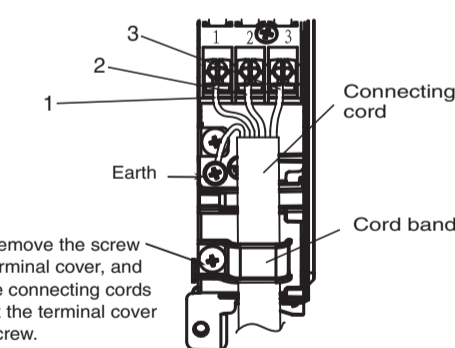


WARNING

- Leave some space in the connecting cord for maintenance purpose and be sure to secure it with the cord band.
- Secure the connecting cord along the coated part of the wire using the cord band. Do not exert pressure on the wire as this may cause overheating or fire.

Wiring of The Indoor Unit

- For wire connection of the Indoor unit, you need to remove the front cover, the low cover under the body of the unit and terminal cover.
- Remove the cover from the terminal base and screw the cable.

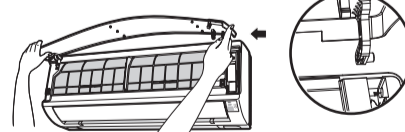


After remove the screw and terminal cover, and put the connecting cords and fix the terminal cover with screw.

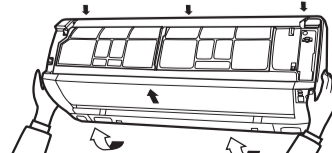
FINAL STAGE OF INSTALLATION

How to remove the front cover

- Remove the front panel
 - Please remove and attach the front panel by both hands.

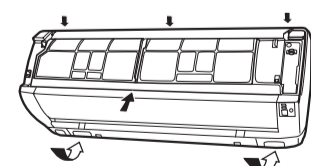


- After opening the front panel by both hands.
 - Undo the right arm while pushing it inside.
 - Slide the front panel to right as shown in figure. Then remove while pulling it to front.
 - Remove the filters.
 - After removing two screws, pull the center of the front cover towards you and release the claws.
 - Pull the side faces (lower sections) of the front cover towards you as shown in the figure and remove the cover.



How to Attach the Front Cover

- Check that the drain pan is securely attached.
- After installing the front cover onto the unit, hook three claws at upper side of the cover securely. Then, push the center of the front cover to lock the claws.
- Tighten the two screws.



- Install the filter.
- Slide the shafts of the right and left arms on the front panel along the steps to insert the shafts into the holes till they stop. After checking that the shafts are securely inserted, close the panel.

