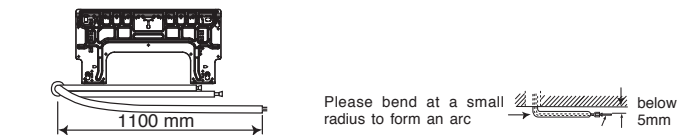


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THE CONNECTION OF REFRIGERATING PIPE DURING THE INSTALLATION OF INDOOR UNIT

Preparation To Install Refrigerating Pipes

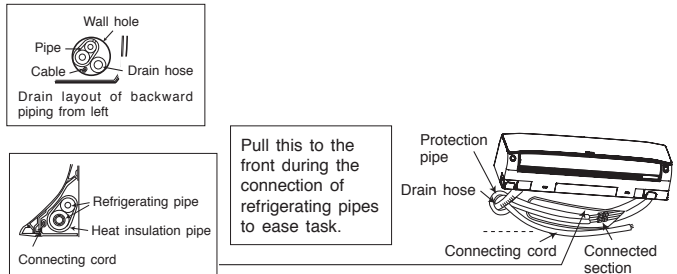
- The refrigerating pipes and connecting cord arrangement are attached.



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 mounting plate.

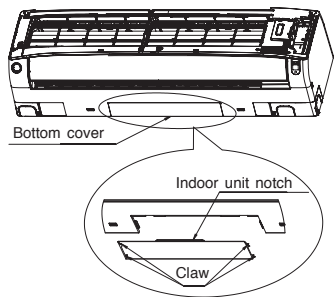


Bottom Cover Removal and Installation

When connecting the refrigerant pipe, the bottom cover can be removed for easy installation.

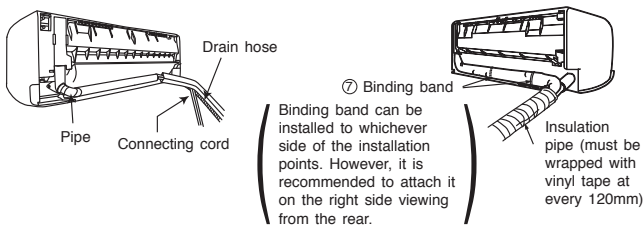
Bottom cover installation

- Put the 4 claws at front of the bottom cover into the indoor unit notch.
- Push the left and right claw of bottom cover into the unit.



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.
- Be sure to cut the extra binding band. (Otherwise, it may result in abnormal noise or dewfall.)



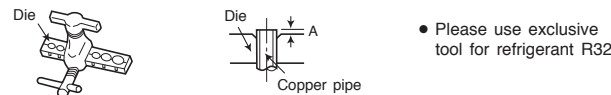
1 Preparation of Pipe

- Use a pipe cutter to cut the copper pipe.



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.



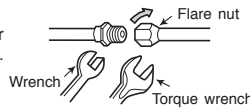
Outer Diameter mm (inch)	Thickness (mm)	Flare tool for R32 Clutch type	A (mm)	
			Conventional flare tool Clutch type	Wing nut type
6.35 (1/4")	0.8	0.0 ~ 0.5	1.0 ~ 1.5	1.5 ~ 2.0
9.52 (3/8")	0.8	0.0 ~ 0.5	1.0 ~ 1.5	1.5 ~ 2.0
12.70 (1/2")	0.8	0.0 ~ 0.5	1.0 ~ 1.5	1.5 ~ 2.5
15.88 (5/8")	1.0	0.0 ~ 0.5	1.0 ~ 1.5	1.5 ~ 2.5

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.

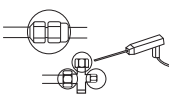
- Please be careful when bending the copper pipe.
- Screw in manually while adjusting the center. After that, use a torque wrench to tighten the connection.



		Outer dia. of pipe	Torque N·m (kgf cm)
Small dia. side		6.35 (1/4")	14.0 – 18.0 (140 ~ 180)
Large dia. side		9.52 (3/8") 12.70 (1/2") 15.88 (5/8")	33.0 – 42.0 (330 ~ 420) 50.0 – 62.0 (500 ~ 620) 63.0 – 77.0 (630 ~ 770)
Valve head cap	Small dia. side	6.35 (1/4")	19.6 – 24.5 (200 ~ 250)
	Large dia. side	9.52 (3/8")	19.6 – 24.5 (200 ~ 250)
		12.7 (1/2")	29.4 – 34.3 (300 ~ 350)
		15.88 (5/8")	29.0 – 31.0 (296 ~ 316)
Valve core cap			12.3 – 15.7 (125 ~ 160)

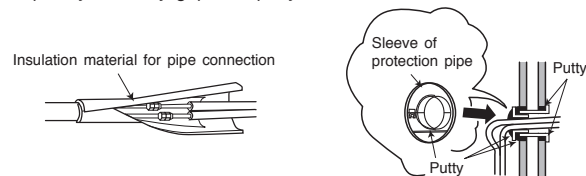
Gas Leakage Inspection

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

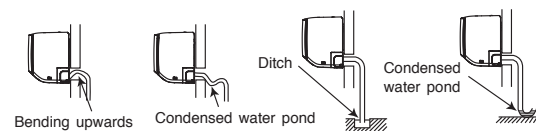


3 Heat Insulation and Finish of the Piping

- 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.



4 Installation of Drain Hose



CAUTION

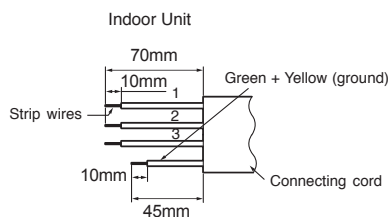
Be sure that the drain hose is not loosely connected or bend or proper condition like left figure.

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. (Carelessness may result in water leakage.)

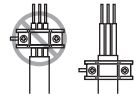
WARNING THIS APPLIANCE MUST BE EARTHED.

Detail of Cutting the Connecting Cord



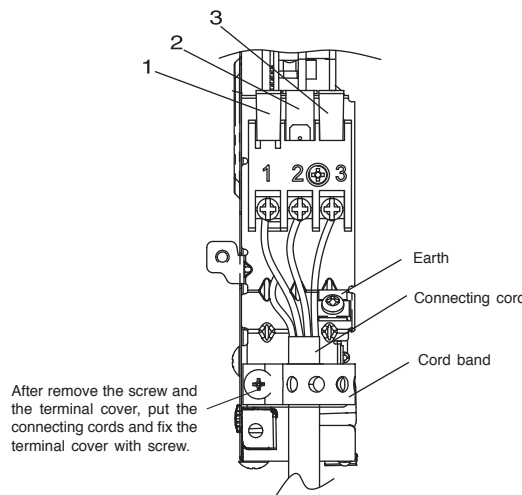
WARNING

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

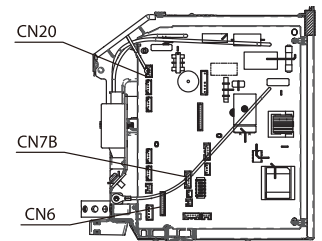
Method to remove the low cover

- 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)

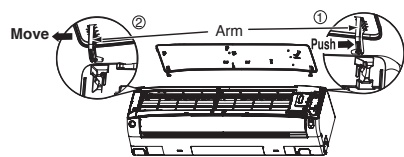
- For cable connection to control P.W.B., you need to remove front cover and electrical box cover. Each connecting location is as below.
 - ① Dry contact: CN6
 - ② H-LINK RAC Adapter: CN7B
 - ③ Wired Remote Controller: CN20
- Please check and confirm manuals attached to each optional parts for more connection details.
- Please check service manual about how to set from remote controller.
- 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.
- Please do the operation test after the connection.



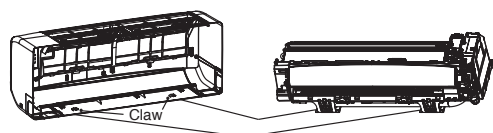
1 HOW TO REMOVE OR ATTACH THE FRONT COVER

How to Remove the Front Cover

- Remove the front panel

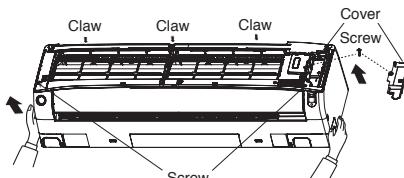


- Push the end of the right-side arm outward to release the tab.
- Move the left-side arm outward to release the left tab, and then pull the panel towards you.
- Remove the filters.
- After removing 3 screws, remove the cover of electric box, pull the center of the front cover towards you and release the claws.
- Pull the side faces (lower sections) of the front cover towards you as shown in the figure and remove the cover.



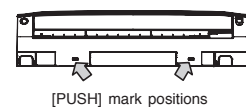
How to Attach the Front Cover

- 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.
- Assemble the cover of electric box.
- Tighten the 3 screws.
- Install the filter.
- Attaching the Front Panel
 - Insert the shaft of the left arm along the step on the unit into the hole.
 - Securely insert the shaft of the right arm along the step on the unit into the hole.
 - Make sure that the front panel is securely attached, and then close the front panel.



2 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 as below figure)



CAUTION

