

AIR CONDITIONER OPTIONAL PARTS

External input and output PCB box



INSTALLATION MANUAL

For authorized service personnel only.

Contents

1. SAFETY PRECAUTIONS	1
2. ABOUT THE UNIT	
2.1. Parts and accessories	1
3. INSTALLATION WORK	
3.1. Preparing the External input and output PCB box	2
3.2. Front panel, control box cover removal	2
3.3. Removing the control box	3
3.4. Installing the PCB box	4
3.5. Front panel, control box cover replacement	6

1. SAFETY PRECAUTIONS

- Hand this manual to the customer to keep for future use, such as for relocating or repairing the product.


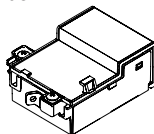
⚠ WARNING	Indicates a potentially or imminently hazardous situation which, if not avoided, could result in death or serious injury.
For the air conditioner to operate satisfactorily, install it as outlined in this installation manual.	
Installation work must be performed in accordance with national wiring standards by authorized personnel only.	
Do not turn on the power until all installation work is complete.	
Discharge static electricity before the installation.	


⚠ CAUTION	Indicates a potentially hazardous situation that may result in minor or moderate injury or damage to property.
Do not wire the External input and output PCB wire together with or parallel to the connection cables, transmission cables, remote controller cables, bus wire, and power supply cables of the indoor and outdoor units. It may cause erroneous operation.	
Do not touch the aluminum fin in the indoor unit.	

2. ABOUT THE UNIT

2.1. Parts and accessories

- The following installation parts are supplied. Use them as required.

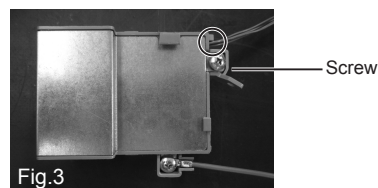
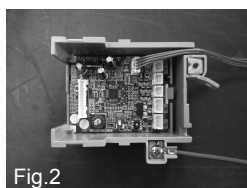
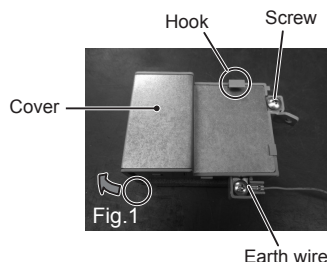
Name and shape	Q'ty	Description
Installation manual 	1	This manual
PCB box 	1	For installing the External input and output PCB to the indoor unit.

Name and shape	Q'ty	Description
Screw 	1	For fixing the PCB box to the indoor unit.

3. INSTALLATION WORK

3.1. Preparing the External input and output PCB box

- (1) Remove the screw on the right of the PCB box.
- (2) Release both bottom clasps at the sides in the direction of the arrow (Fig. 1). Pull and remove the cover.
- (3) Place the External input and output PCB (option) in the box, and connect the wire with connector (accessory of PCB) as shown (Fig. 2).
For details on connection to other devices, see the installation manual for the External input and output PCB.
- (4) After connecting each terminal, thread the cables through the wiring holes (Fig.3).
- (5) Replace the cover and fix tightly with the screw.



⚠ CAUTION

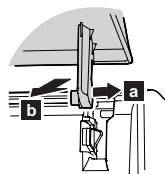
Be careful not to damage the parts on the board.
Otherwise, it will cause malfunction.

Ensure that the connector is properly inserted.
Otherwise, it may result in erroneous operation.

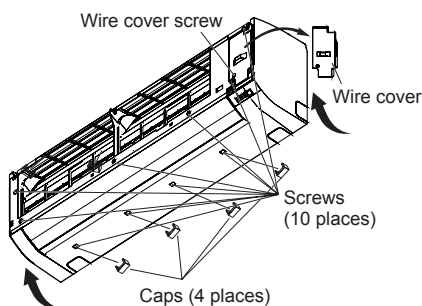
3.2. Front panel, control box cover removal

- (1) Open the intake grille. While gently pressing the left and right mounting shafts of the intake grille outward "a", remove the intake grille in the direction of the arrow "b".

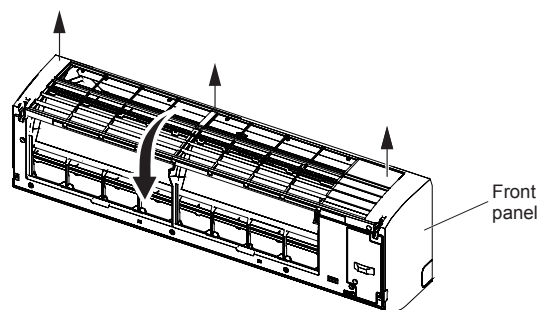
Intake grill removal



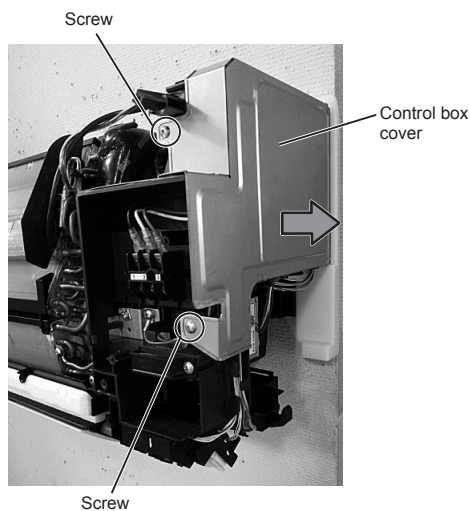
- (2) Remove 4 caps.
- (3) Remove wire cover screw, then remove the wire cover.
- (4) Remove 10 screws.



- (5) Pull the front panel forward raising the upper surface, to remove the front panel.



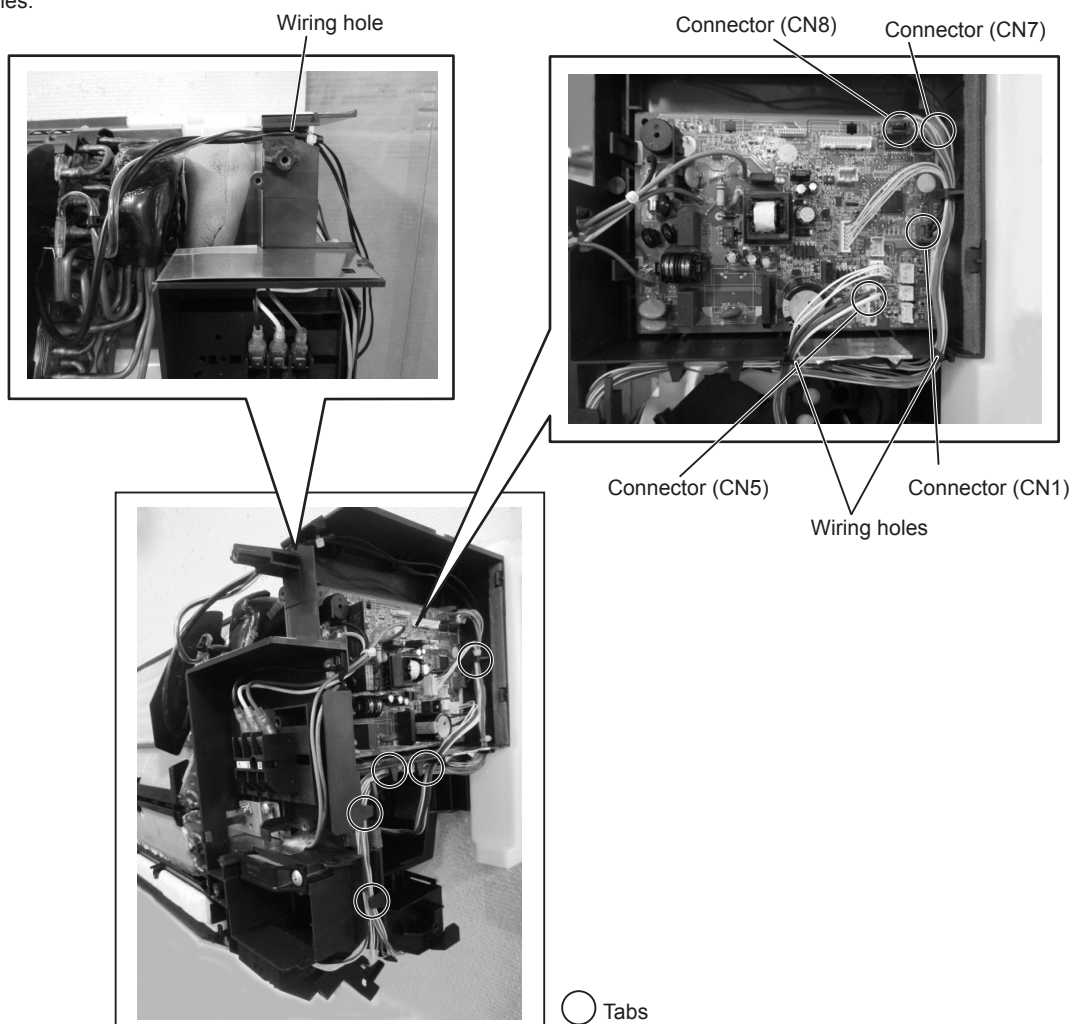
- (6) Remove 2 screws, then remove the control box cover.



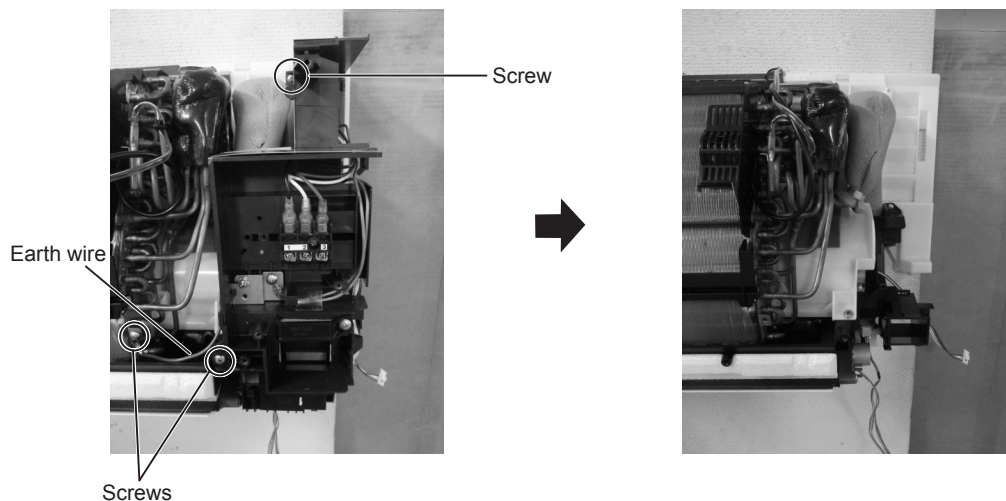


3.3. Removing the control box

- (1) Detach the connectors (x4) from the indoor unit main PCB. Undo the wiring by releasing the wires from the tabs and wiring holes.



- (2) Remove 3 screws from the front of the control box. Remove the control box.



⚠ CAUTION

Be careful not to damage the parts on the board. Otherwise, it will cause malfunction.

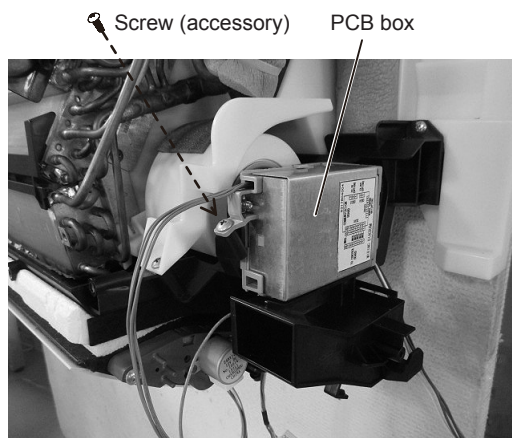
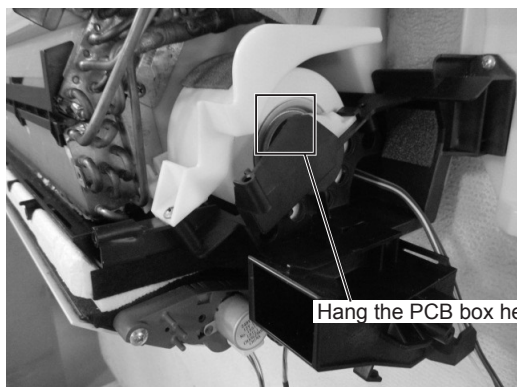
Do not pull the wires forcibly. You may damage them.



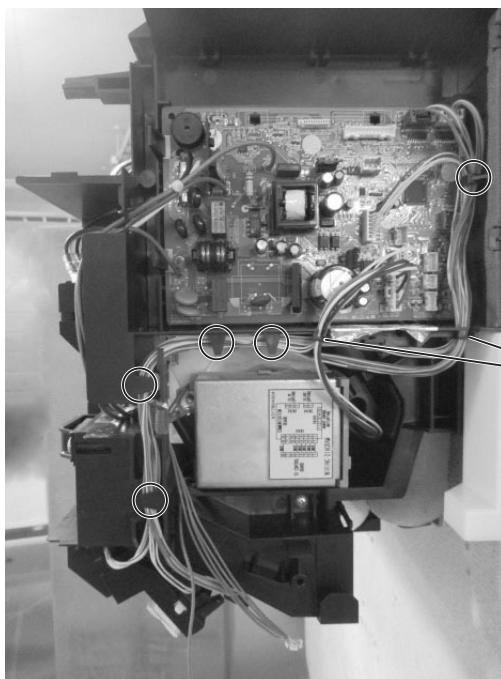


3.4. Installing the PCB box

- (1) Hang the PCB box by the hook as indicated. Securely fasten to the indoor unit with 1 screw (accessory).



- (2) Replace the control box by reversing the procedures in "3.3. Removing the control box". Be sure to place the wiring through the wiring hole, and under the tabs.



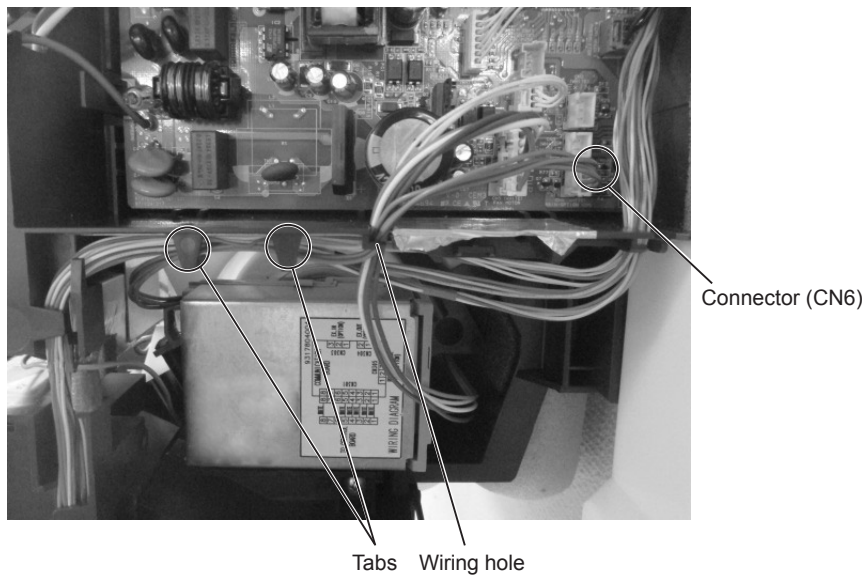
Wiring holes

○ Tabs

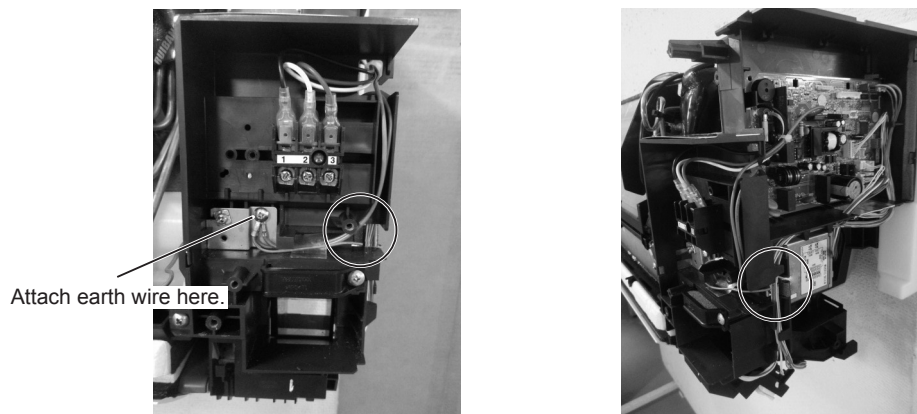




- (3) Attach the wire from the PCB box to the indoor unit main PCB.



- (4) Attach the earth wire from the PCB box to the indoor unit. Be sure to place the earth wires under the other wires.



⚠ CAUTION

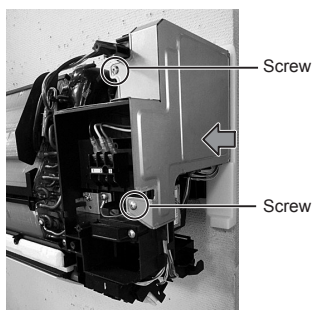
- | |
|--|
| Be careful not to cut or pinch the wires with the control box. |
| Reinstall the removed earth wire properly. |
| Be careful not to damage the parts on the board. Otherwise, it will cause malfunction. |
| Ensure that the connector is properly inserted. Otherwise, it may result in erroneous operation. |



3.5. Front panel, control box cover replacement

Reinstall by reversing the procedure in "3.2. Front panel, control box cover removal"

(1) Replace the control box cover (2 screws).



(2) Open a hole in the front panel for the remote controller cable to pass through.

* Choose from 4 knockout holes marked on the inside of the front panel.

(3) Replace the front cover.

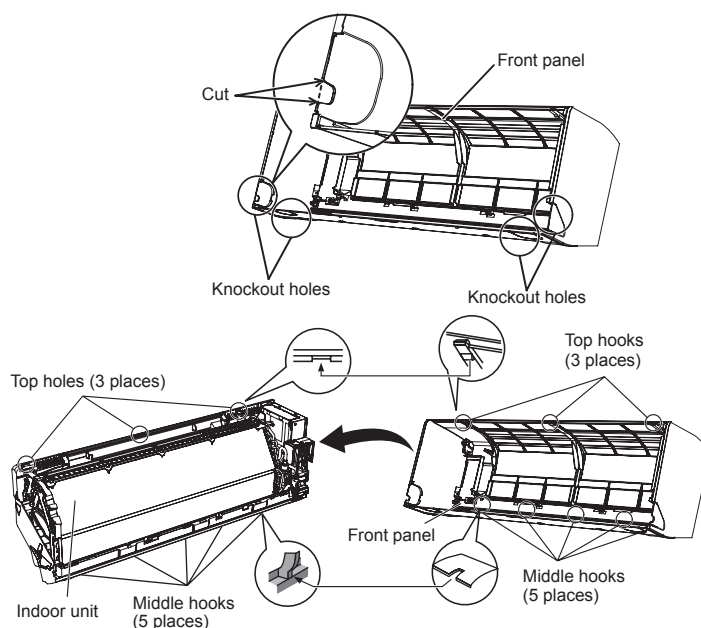
First, insert the hook on the lower part of the front panel (5 places), then fit the hooks on the top (3 places).

(4) Replace the 10 screws.

(5) Replace the wire cover (1 screw).

(6) Replace the 4 caps.

(7) Replace the intake grille.



Intake grill installation

