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AIR CONDITIONER OPTIONAL PARTS
Communication kit

PART NO. 9317807043-01

INSTALLATION MANUAL

For authorized service personnel only.

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1. SAFETY PRECAUTIONS

⚠ WARNING	This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.

- 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 the static electricity before the operation.
- Let the customer keep this installation manual because it is needed when the air conditioner or relay control board is serviced or moved.

⚠ CAUTION	This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user, or damage to property.

- Do not wire the communication kit 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. Accessories

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

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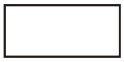
Name and shape	Q'ty	Description
Installation manual	1	This manual
Relay control board	1	For connecting the wired remote control unit and external connect wire.

Name and shape	Q'ty	Description
Binder	1	For fixing the wires from control box.
Protect seal	1	For protecting the wires.
Relay wire	1	For connecting the relay control board and control unit board.
Wiring label 	1	For display the additional wiring diagram.

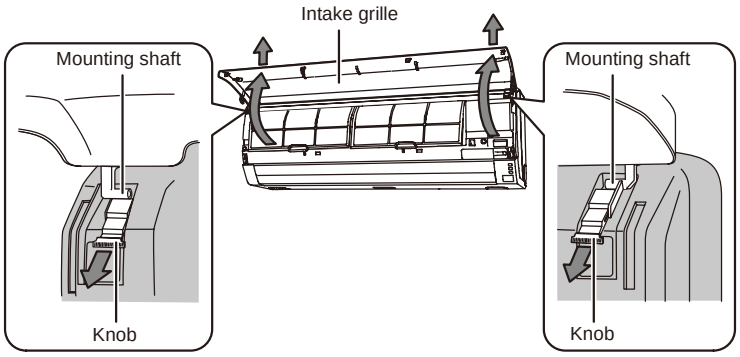
3. INSTALLATION WORK

3.1. Installing relay control board

3.1.1. Removing intake grille

(1) Open the intake grille until it is horizontal to the ground.

(2) Support the intake grille with one hand and pull the knob on both sides of the unit towards you to unlock.

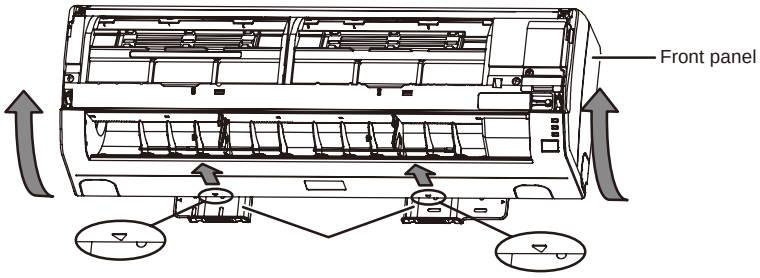


(3) Lift and remove the intake grille.

3.1.2. Removing front panel

(1) Lift the bottom of the front panel towards you and remove the wall hook bracket from the main unit.

- While pressing the "▽ mark" at the bottom of the front panel, lift the front panel towards you.



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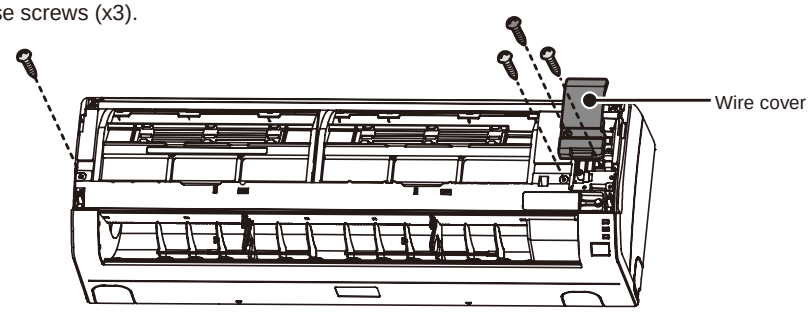
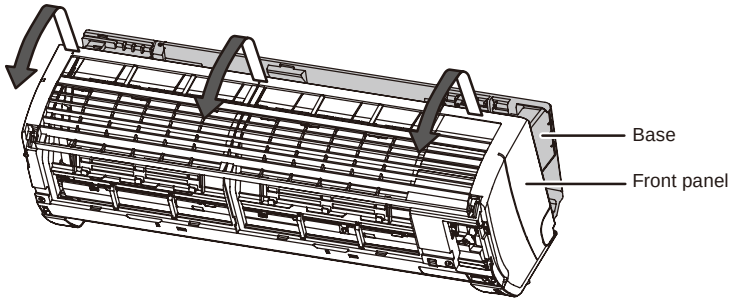
(2) Remove the wire cover. (1 screw)
(3) Remove the base screws (x3).



(4) While lifting the top of the front panel, pull it towards you and remove the front panel from the base.

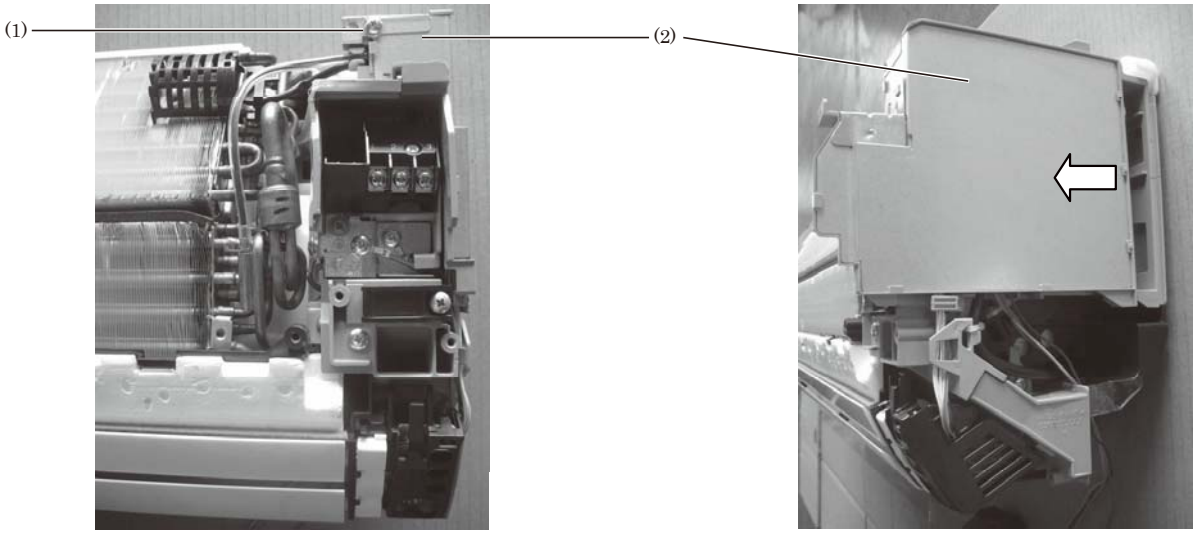
⚠ CAUTION

- Be careful when removing the front panel.
  You may hurt yourself if the front panel drops.



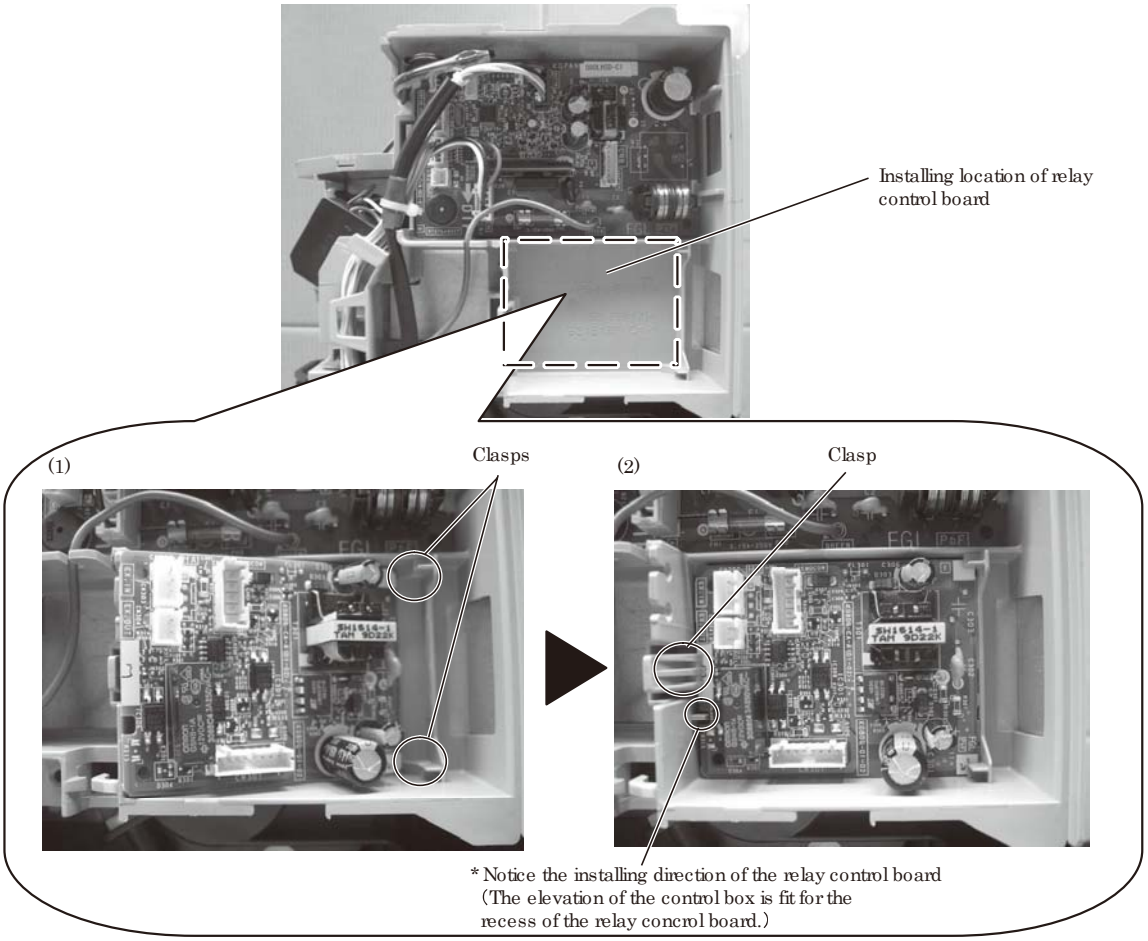
3.1.3. Removing control cover

(1) Remove the screw. (Use the same screw when installing.)
(2) Pull the control cover towards you and remove.



3.1.4. Installing relay control board

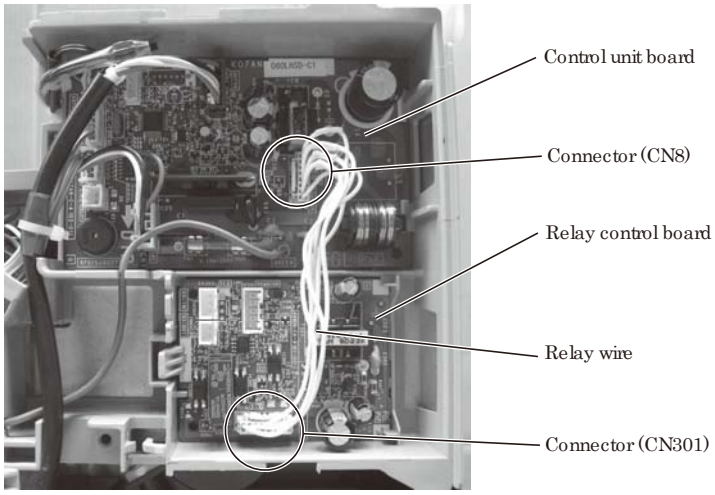
(1) Insert the relay control board toward two clasps as shown in the left figure below.
(2) Then set the board with the clasp as shown in the right figure below.



⚠ CAUTION

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

(3) Connect the relay wire terminal to the connector (CN301) on the relay control board.
(4) Connect the relay wire terminal to the connector (CN8) on the control unit board.



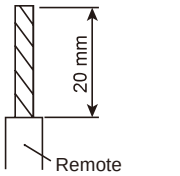
3.2. Installation option kit

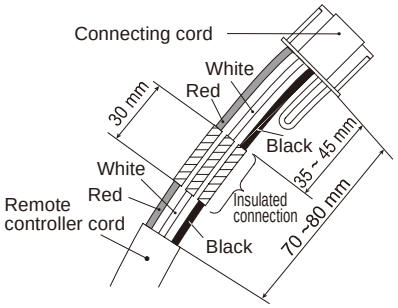
3.2.1. Remote controller cord modification

(1) Use a tool to cut off the terminal on the end of the remote controller cord,and then remove the insulation from the cut end of the cord.

(2) Connect the remote controller cord and connecting cord. (supplied with wired remote controller)

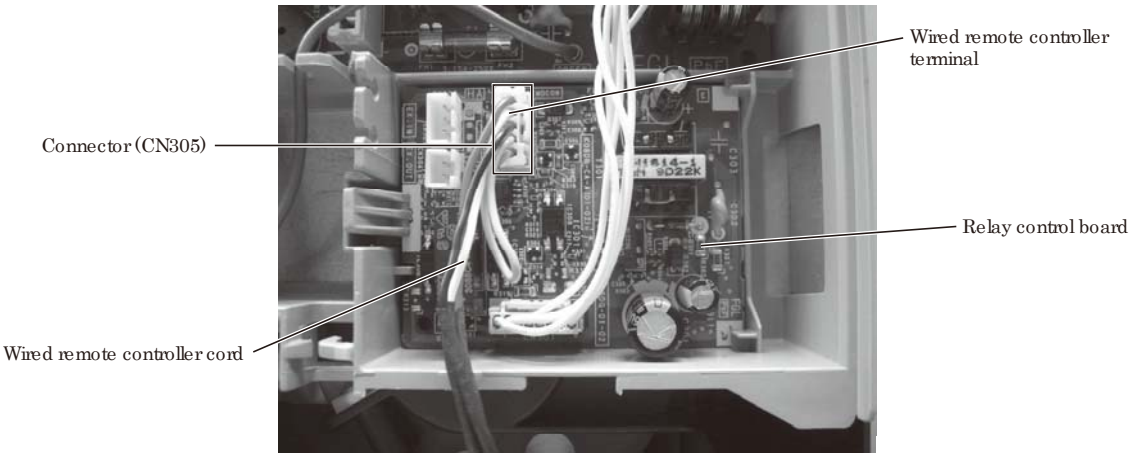
Important: Be sure to insulate the connection between the cords.





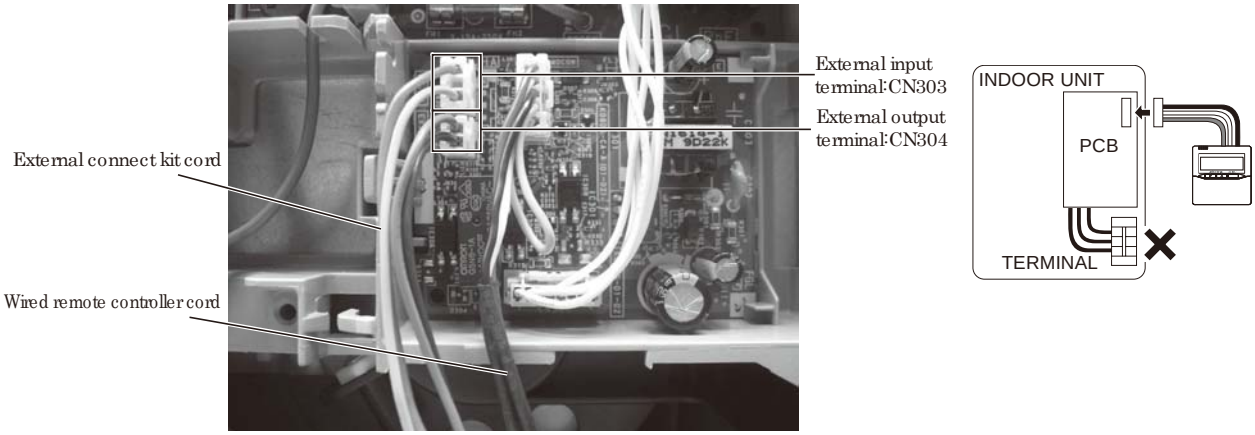
3.2.2. Installing the wired remote controller terminal (sold separately)

Connect the wired remote controller terminal to the connector (CN305) on the relay control board.



3.2.3. Installing the external connect kit terminal (sold separately)

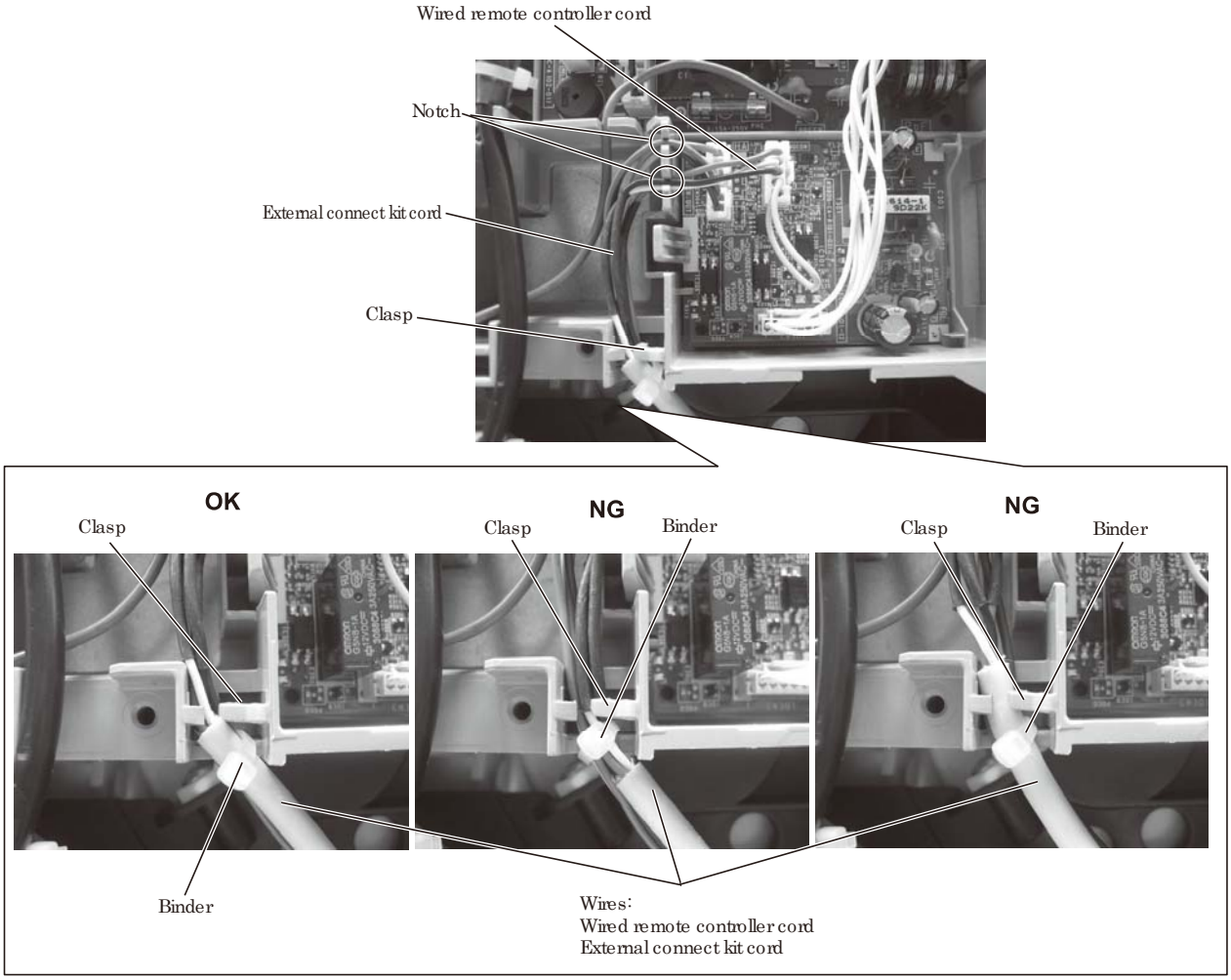
Connect the two external output terminals to the connectors (CN303 and CN304) on the relay control board.



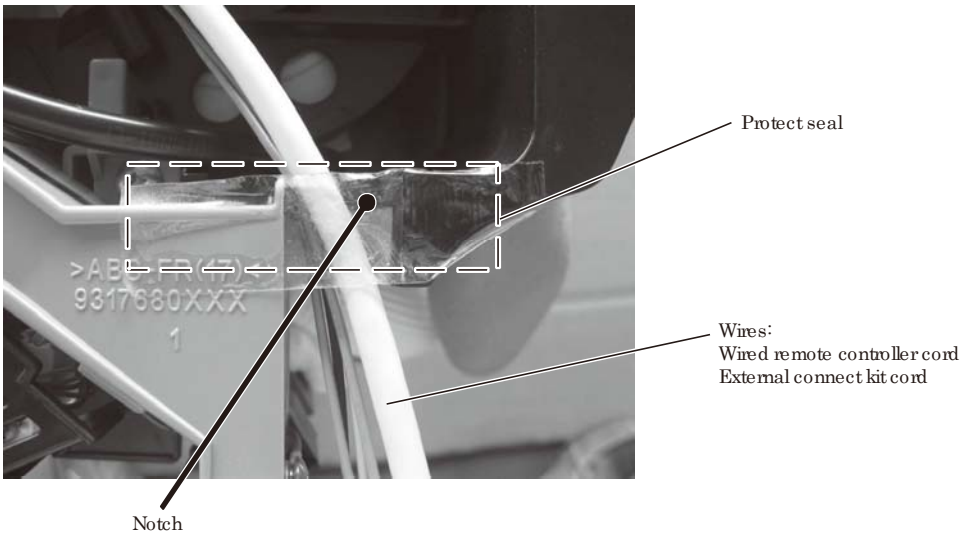
⚠ CAUTION
• Ensure that the connector is properly inserted. Otherwise, it may result in erroneous operation.
• Be careful not to damage the parts on the board. Otherwise, it will cause malfunction.
• Do not connect the wired remote control to the terminal for power supply.
• When connecting the wired remote controller with the indoor unit, please use the connecting cord packaged up with the wired remote controller.
• Recommended cord length of wired remote controller is 10m. Make sure to do insulate of connecting part when extended the cord.

3.2.4. Fixing the wires

(1) After connecting the terminals,thread the wires through the notchs and clasp of the control box as circled on the figure below.
Then fix the wires onto the control box with the provided binder.
(Make sure that the binder is tied onto the white tube of the cable for wired remote controller.)



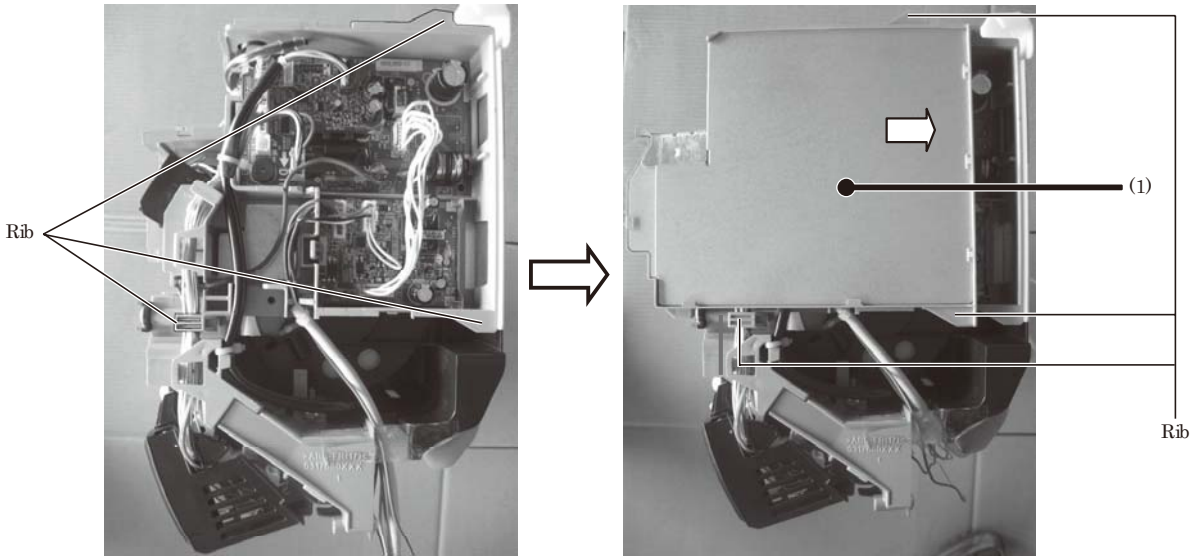
(2) Thread the wires through the notch as circled on the figure below,
Then paste the protect seal to prevent the wires from sticking out.



3.3. Installation front panel and intake grille

3.3.1. Installing control cover

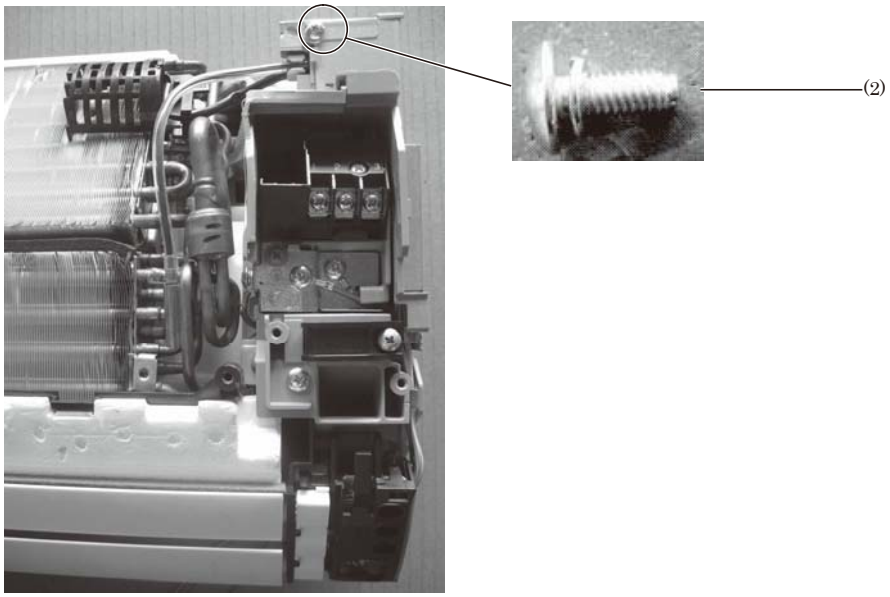
(1) Install the control cover onto the inner side of the rib as shown below.



⚠ CAUTION

- Do not cut or tuck the wires with the electrical component box cover.
  An electric shock may occur if the wires are damaged.

(2) Tighten with the screw to prevent the control cover from falling off.
(When installing,reuse the short screw that was removed in 3.1.3.Removing control cover.)



3.3.2. Labelling

(1) Paste the wiring label beside the label for schematic diagram inside the front panel.

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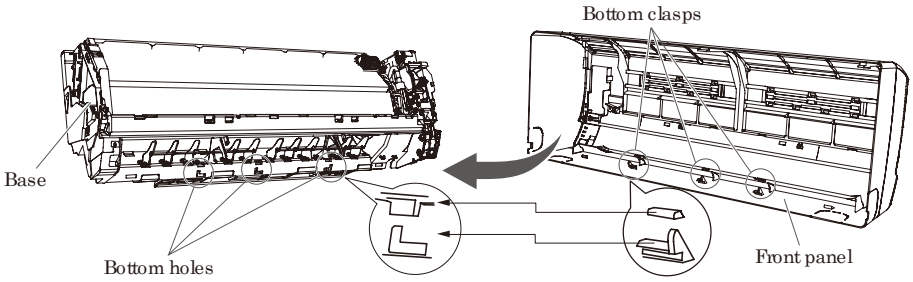
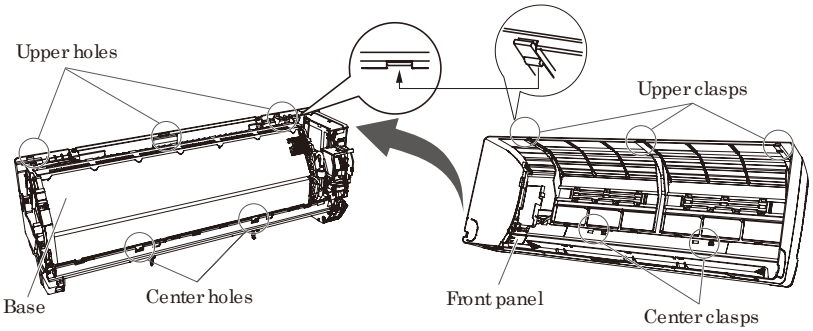
3.3.3. Installing front panel

(1) Insert the front panel so that it covers the base from the bottom.
(Insert the 6 bottom inner clasps of the front panel into the 6 holes at the bottom front of the base.)



(2) Next,insert the top part of the front panel into the base with both hands.
(Insert the 3 upper inner clasps of the front panel into the 3 holes at the upper front of the base.)

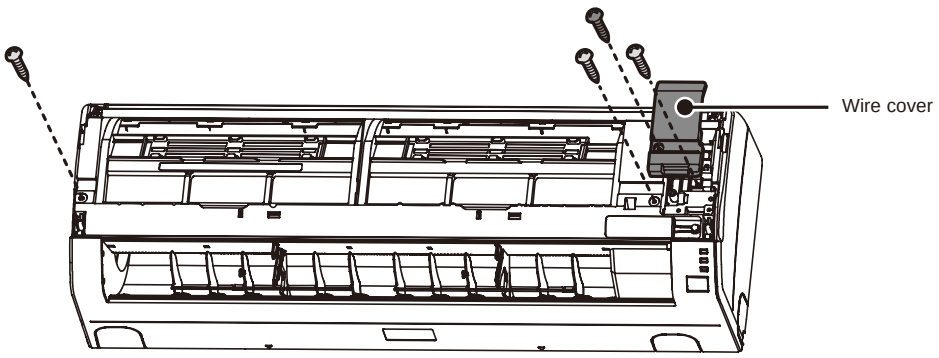
(3) There are 2 clasps in the center of the front panel. Push these clasps into the 2 holes in the center of the base with both hands.



⚠ CAUTION
• Do not cut or tuck the wires with the front panel. An electric shock may occur if the wires are damaged.
• Be careful when installing the front panel. You may hurt yourself if the front panel drops.

(4) Tighten and secure the front panel to the base with screws. (3 locations)

(5) Install the wire cover and tighten with screws. (1 location)



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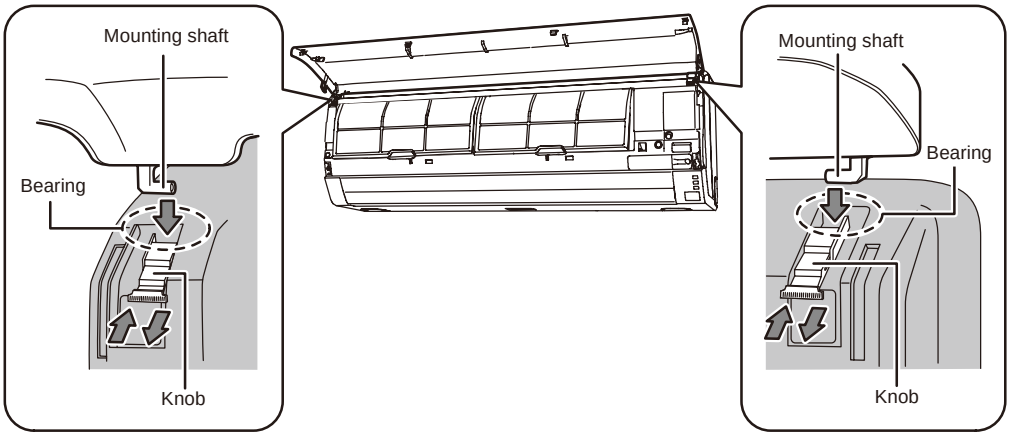
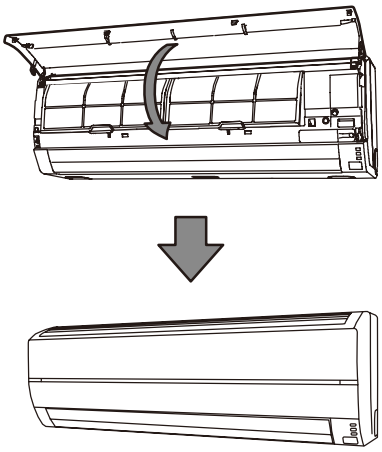
3.3.4. Installing intake grille

(1) Hold the intake grille horizontally and insert the mounting shafts into the left and right bearings at the upper portion of the front panel.

(2) Press the left and right upper knobs until they stop to lock.



(3) Close the intake grille.



3.3.5. Checking main unit operation

(1) Check the operation of the main unit.

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