




REMOVAL PROCEDURE



S E R V I C E M A N U A L

5.0/6.0/7.2 kW Class

-  Indoor Unit
-  Inverter
-  Floor Standing Type



Service Manual Removal Procedure

Indoor Unit

●Heat Pump
FVXG50KV2CW
FVXG50KV2CN

FVXG60JV2CW
FVXG72JV2CW
FVXG60JV2CN
FVXG72JV2CN

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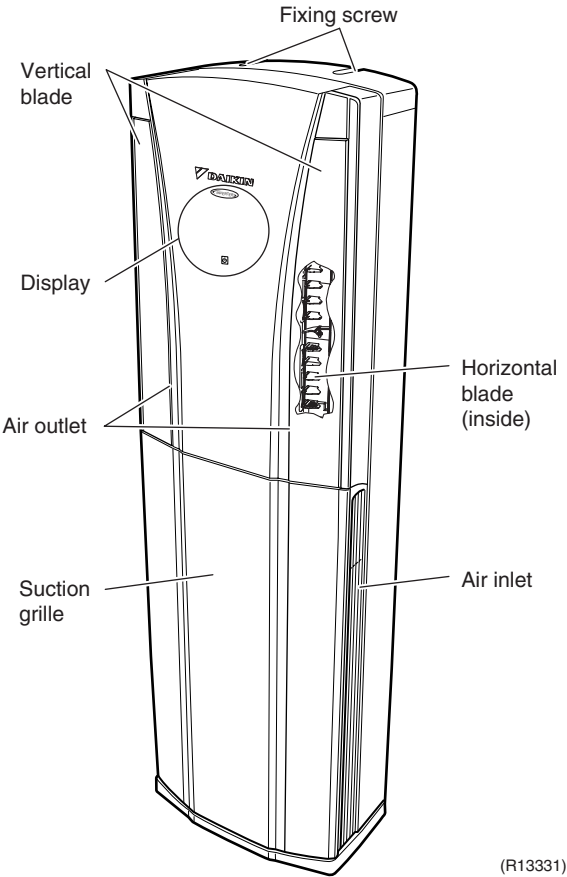
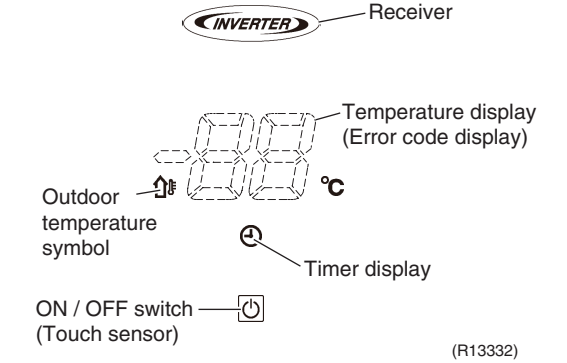
Note: ♦ The illustrations may be slightly different depending on the model.

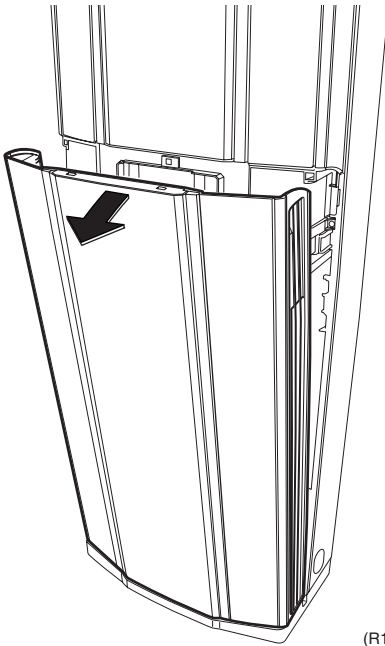
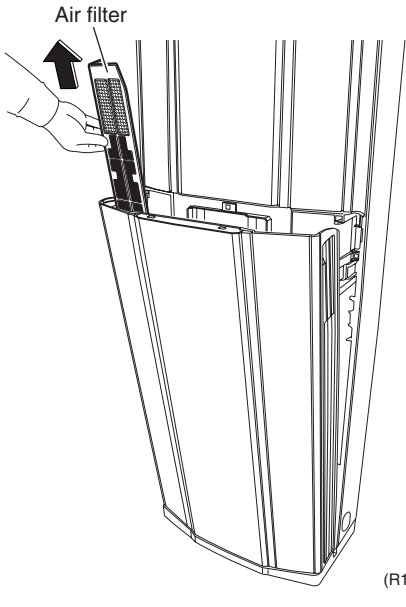
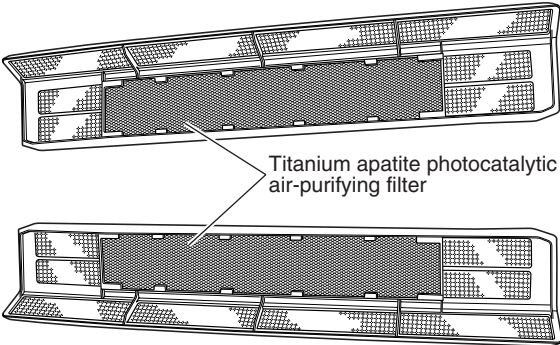
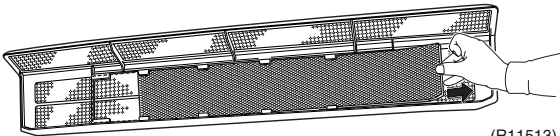
1. Removal of Air Filters

Procedure



Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
1. Features	 <p>■ Display</p> 	<p>■ If the system has any problems, an error code appears on the temperature display.</p>

Step	Procedure	Points
2. Remove the air filters.		
1 Open the suction grille.	 <p>(R11510)</p>	<p>! Caution Do not force the suction grille open, or the unit may fall down.</p>
2 Take out the air filters (right and left).	 <p>(R11511)</p>	
3. Remove the Titanium apatite photocatalytic air-purifying filters.		
1 The Titanium apatite photocatalytic air-purifying filter is attached to the back of the air filter.	 <p>(R13333)</p>	
2 Remove the Titanium apatite photocatalytic air-purifying filter.	 <p>(R11513)</p>	

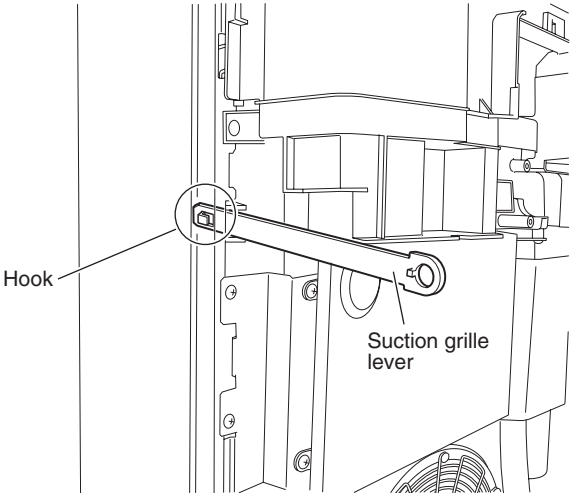
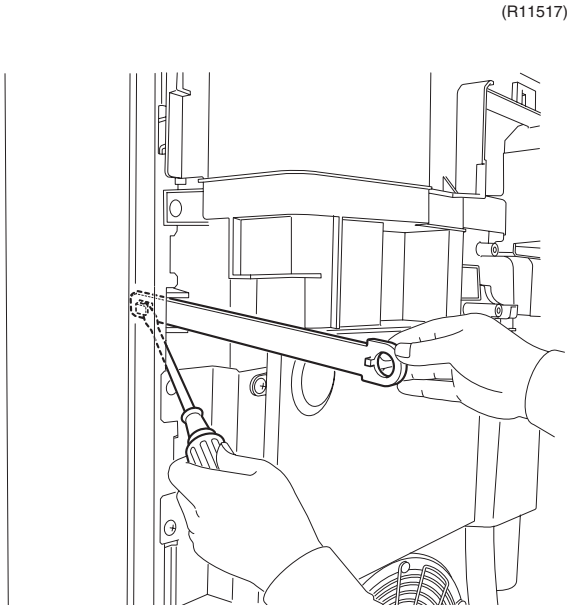
2. Removal of Suction Grille

Procedure



Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
1. Remove the suction grille.	<p>(R11514)</p>	
2. Lift the suction grille and unfasten the 2 hooks at the bottom of the suction grille. Remove the suction grille.	<p>(R11515)</p>	
	<p>(R13334)</p>	<ul style="list-style-type: none"> ■ When reassembling the suction grille, fit the hooks at the bottom first.

Step	Procedure	Points
2. Remove the suction grille levers.	 <p>A technical line drawing of a suction grille assembly. A long, thin lever is shown extending from the grille towards the left. At its left end, there is a small hook-like component. A circular callout highlights this hook, with a line pointing to the label 'Hook'. The lever itself is labeled 'Suction grille lever'. The background shows the internal structure of the grille, including a fan and various mounting points.</p>	
1 The suction grille lever on each side has a hook.	 <p>A technical line drawing showing a person's hands using a flat screwdriver to press the hook of the suction grille lever. The screwdriver is positioned against the hook, and the hand is shown applying pressure. The background is the same grille assembly as in the previous diagram.</p>	
2 Press the hook with a flat screwdriver. Remove the suction grille lever. Remove the other suction grille lever in the same way.		

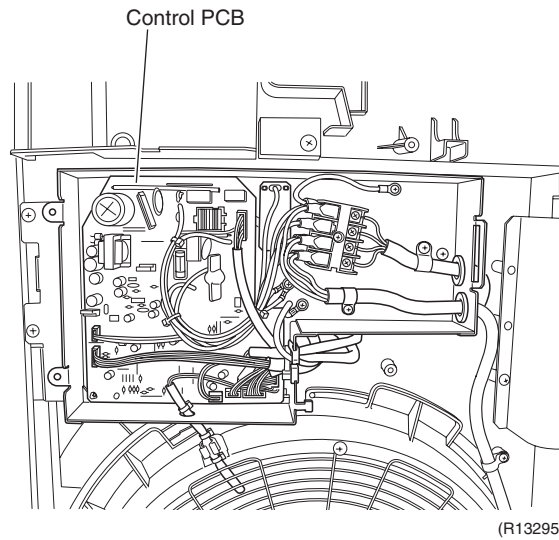
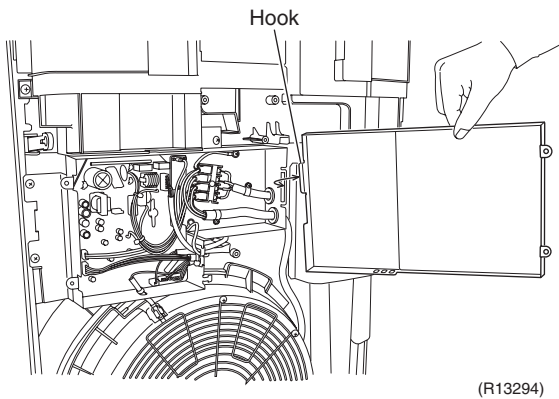
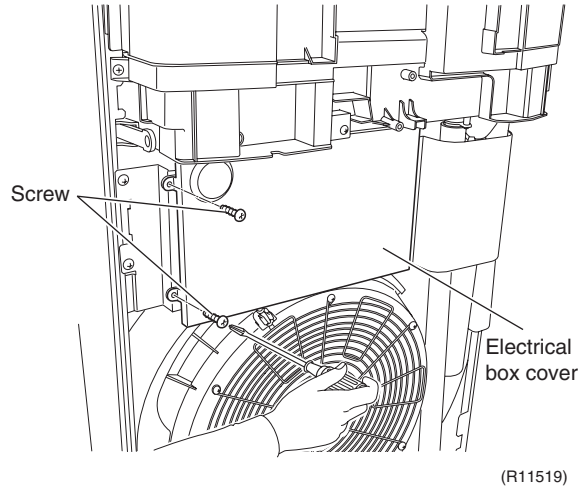
3. Removal of Control PCB

Procedure

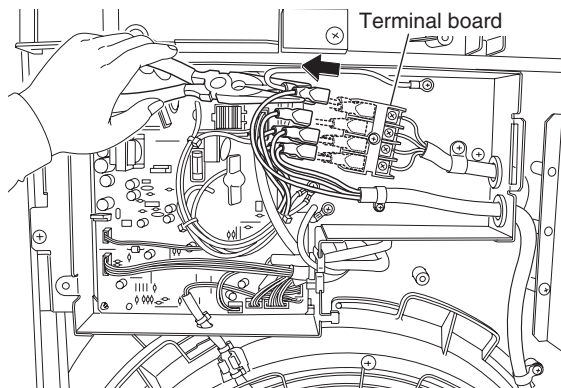


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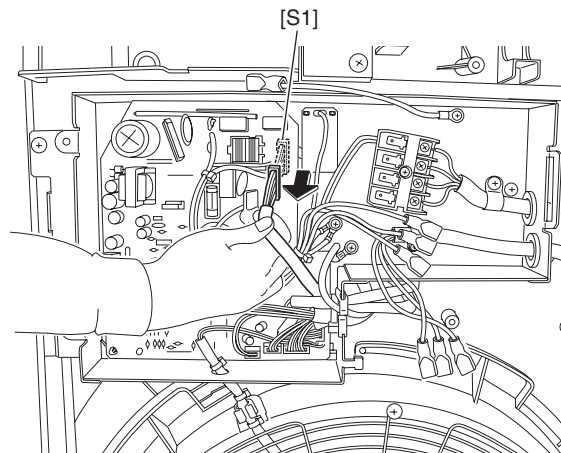
Step	Procedure	Points
1	Remove the 2 screws (top and bottom on the left) from the electrical box cover.	<ul style="list-style-type: none"> ■ Remove the suction grille according to "Removal of Suction Grille".
2	Open the electrical box cover, and unfasten the right hook.	
3	The figure shows the control PCB.	



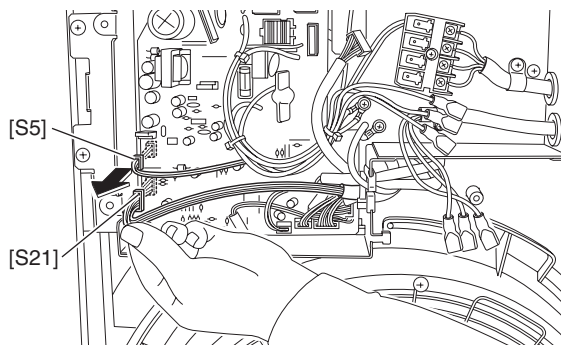
Step	Procedure	Points
4	Disconnect the harnesses from the terminal board.	<ul style="list-style-type: none"> ■ Upper terminal brown ----- L sky blue ----- N yellow / green (⊥) ----- earth ■ Lower terminal black (1) ----- power supply white (2) ----- power supply red (3) ----- transmission yellow / green (⊥) ----- earth ■ The thermal fuse is united with the terminal board.
5	Disconnect the connector [S1].	[S1] : fan motor
6	Disconnect the connector [S5] [S21].	[S5] : thermal fuse [S21] : display PCB
7	Disconnect the connectors [S26], [S28], [S32].	[S26] : display PCB [S28] : display PCB [S32] : indoor heat exchanger thermistor



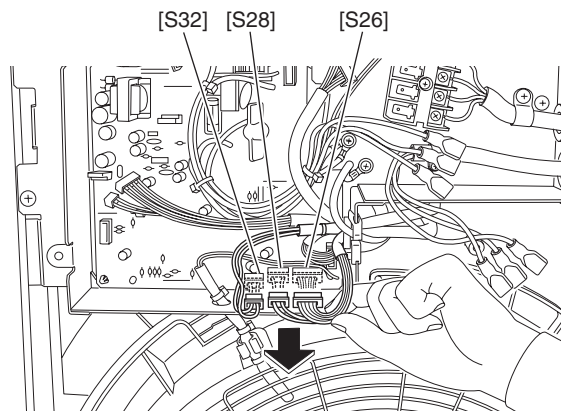
(R13293)



(R13296)

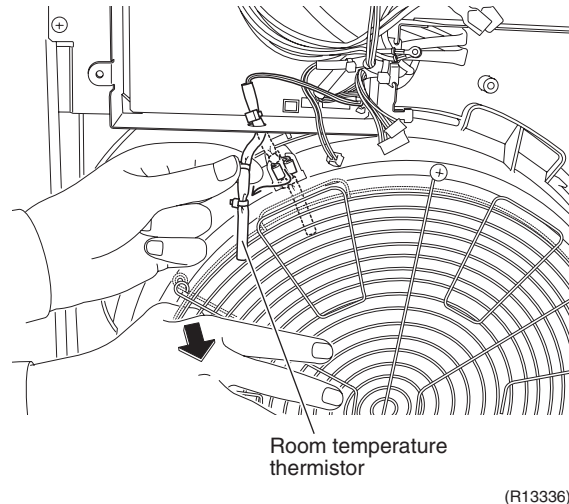
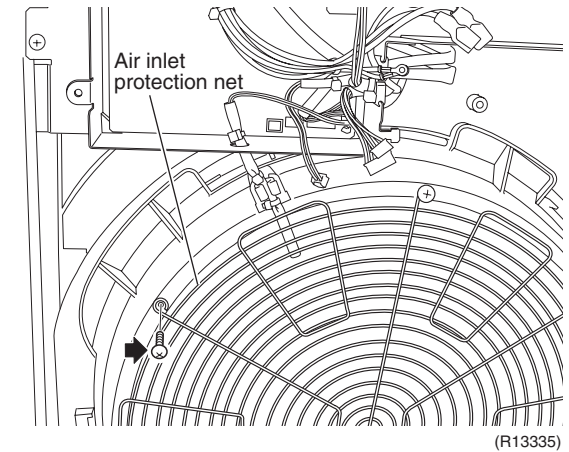
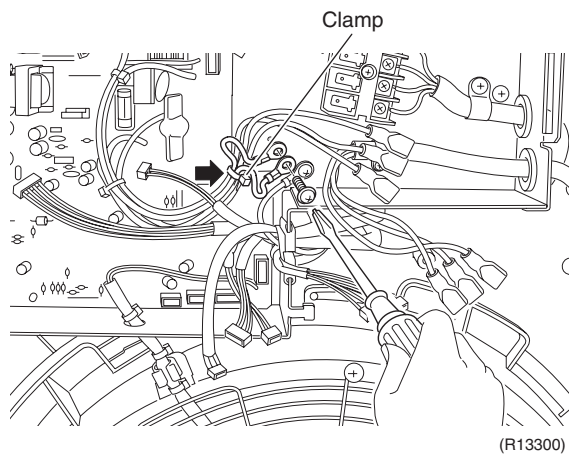
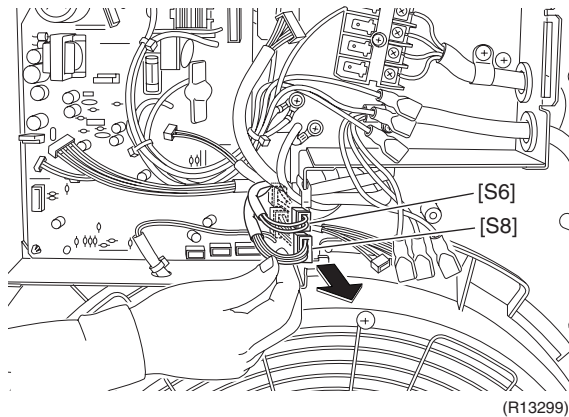


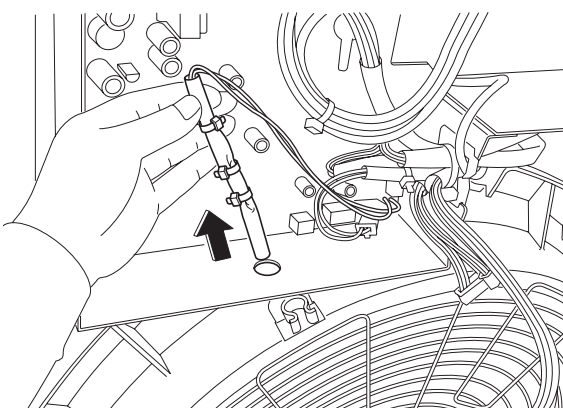
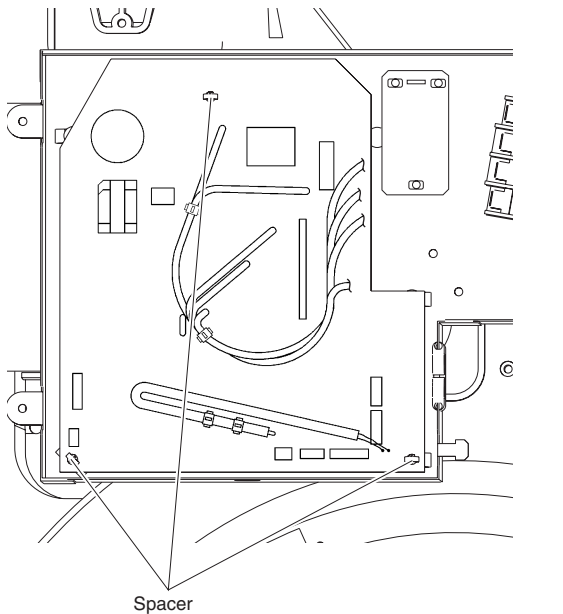
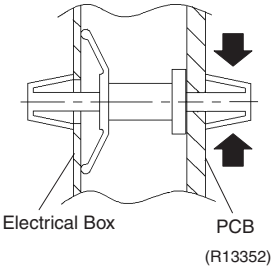
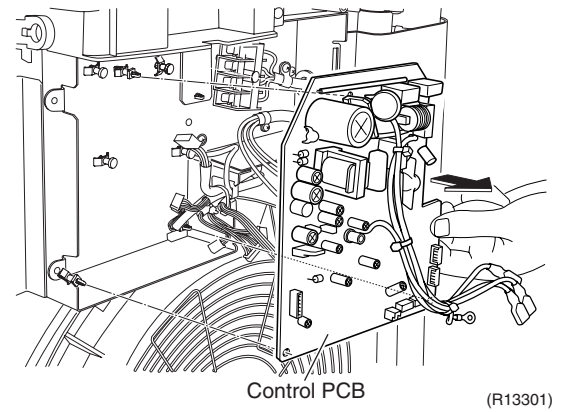
(R13297)



(R13298)

Step	Procedure	Points
8	Disconnect the connectors [S6], [S8] for the swing motors.	[S6] : white (right blade) [S8] : red (left blade)
9	Remove the screw of the earth wires.	■ Earth terminals: from [FG] and [GND]
10	Cut the clamp.	
11	Remove the screw of the air inlet protection net.	
12	Release the room temperature thermistor from the holder.	



Step	Procedure	Points
13	Pull out the room temperature thermistor from the hole of the electrical box.	
	 <p>(R13337)</p>	
14	Pinch the 3 spacers of the control PCB.	<p>■ Preferably use long-nose pliers to easily pinch the spacers.</p>
	 <p>Spacer</p> <p>(R13305)</p>	 <p>Electrical Box</p> <p>PCB</p> <p>(R13352)</p> <p>Section view</p>
15	Remove the control PCB.	
	 <p>Control PCB</p> <p>(R13301)</p>	

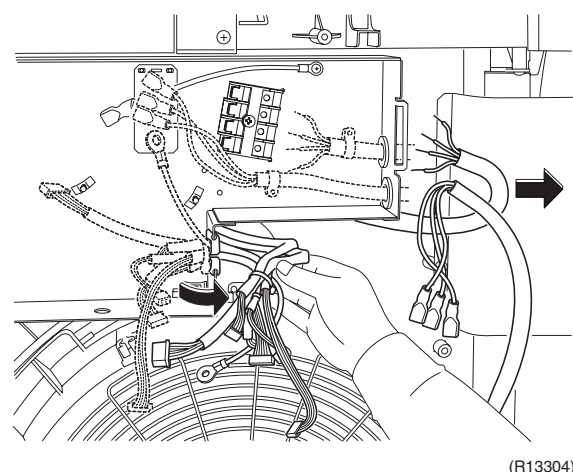
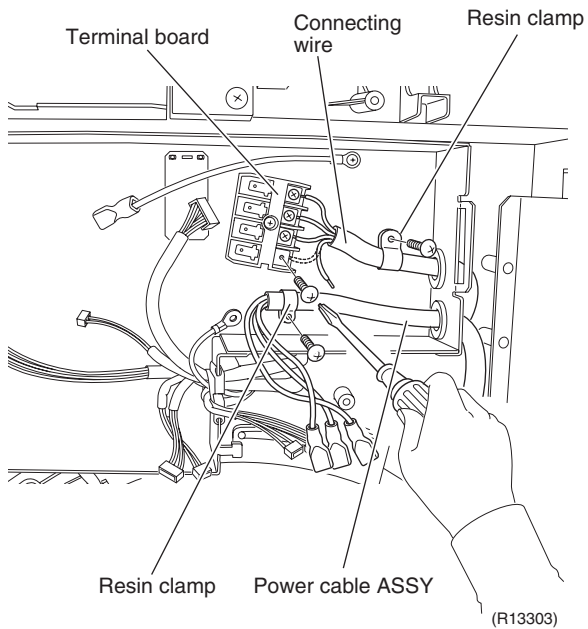
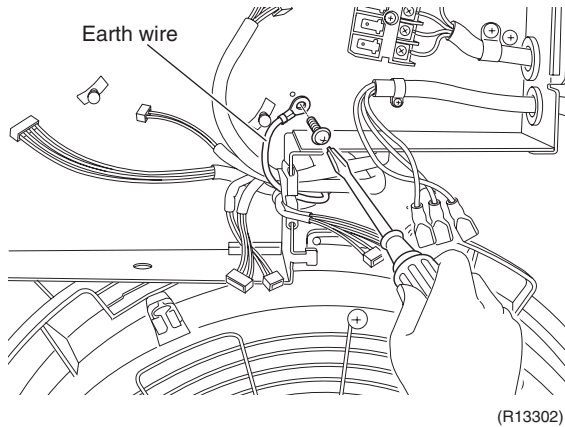
4. Removal of Electrical Box

Procedure

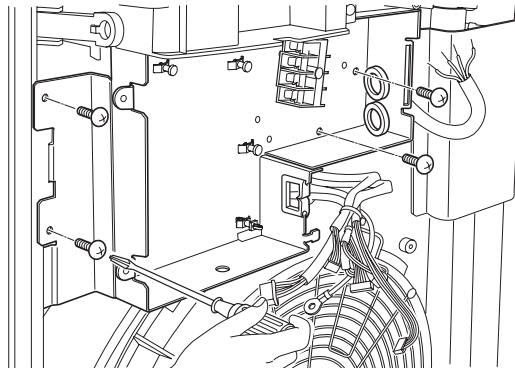


Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

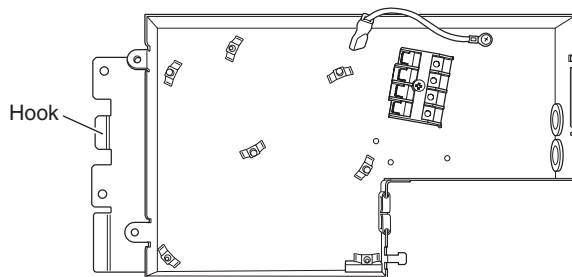
Step	Procedure	Points
1	Remove the screw of the earth wire.	<ul style="list-style-type: none"> ■ Remove the electrical box cover according to "Removal of Control PCB". ■ You can remove the electrical box without removing the control PCB. ■ Earth terminal: for indoor heat exchanger
2	Remove the screws of the terminal board and disconnect the connecting wires.	<ul style="list-style-type: none"> ■ The resin clamp of the power cable is fixed with a torx tapping screw.
3	Remove the 2 screws of the resin clamps.	<ul style="list-style-type: none"> ■ The harnesses are tied up with clamps.
4	Pull out the connecting wires and the power cable ASSY from the holes of the electrical box.	
5	Release the harnesses from the hook.	



Step	Procedure	Points
6	Remove the 4 screws and remove the electrical box.	<ul style="list-style-type: none">■ When reassembling, engage the hook into the inner side of the unit.



(R13313)



(R13314)

5. Removal of Piping Cover

Procedure



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Step	Procedure	Points
1	Remove the screw and remove the piping cover.	<ul style="list-style-type: none"> ■ Remove the suction grille according to "Removal of Suction Grille". ■ When reassembling, engage the hook into the inner side of the unit.
<p style="text-align: right;">(R11537)</p>		
<p style="text-align: right;">(R11538)</p>		
2	The figure shows the pipe connections.	
<p style="text-align: right;">(R13315)</p>		

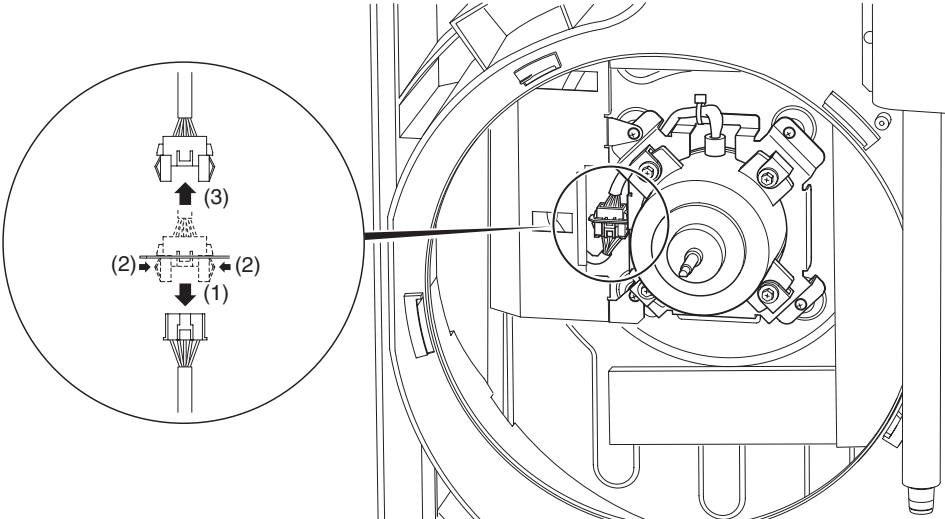
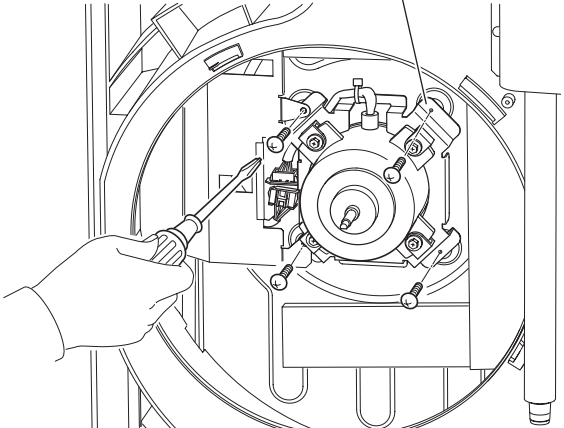
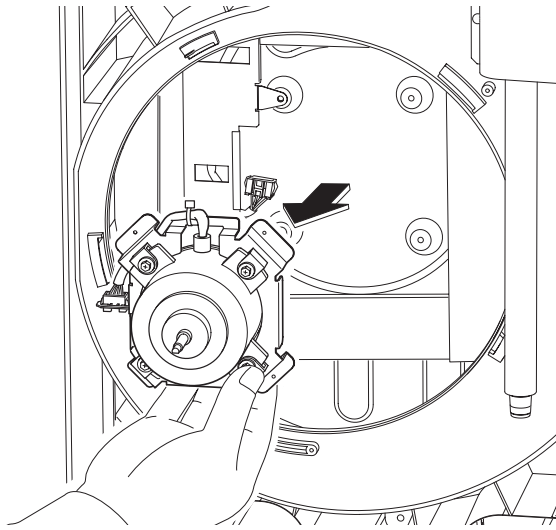
6. Removal of Fan Rotor / Fan Motor

Procedure

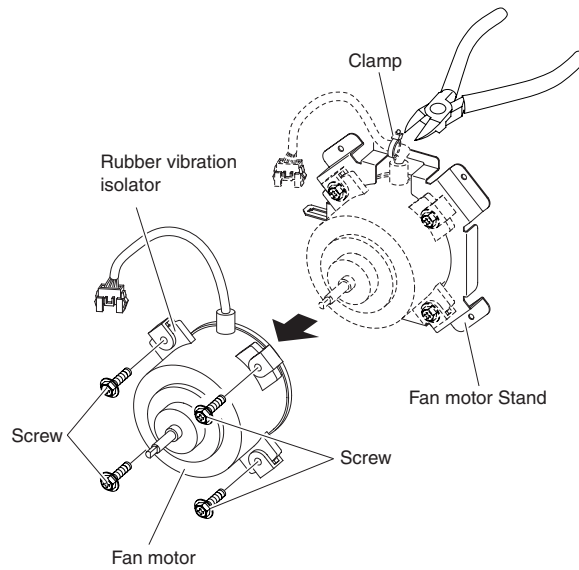


Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
1. Remove the fan rotor.		
1 Remove the screw of the bell mouth.	<p>Bell mouth</p> <p>(R11540)</p>	<ul style="list-style-type: none"> ■ Remove the suction grille and electrical box according to “Removal of Suction Grille” and “Removal of Electrical Box”. ■ You can remove the fan rotor and fan motor without removing the electrical box.
2 Turn the bell mouth counterclockwise and pull it out.	<p>(R11541)</p>	<ul style="list-style-type: none"> ■ Nut size: M6 <p>10 mm</p> <p>(R12236)</p>
3 Remove the nut and pull out the fan rotor.	<p>Fan rotor</p> <p>Nut</p> <p>D-cut</p> <p>Shaft</p> <p>(R11542)</p>	

Step	Procedure	Points
2. Remove the fan motor.		
1	<p>(1) Disconnect the relay harness. (2) Pinch the both sides of the spring. (3) Pull out the connector from the plate.</p> 	<p>(R11543)</p>
2	<p>Loosen the 4 screws of the fan motor stand.</p> 	<p>(R11544)</p>
3	<p>Remove the fan motor stand.</p> 	<p>(R11545)</p>

Step	Procedure	Points
4	Cut the clamp and release the harness from the fan motor stand.	<ul style="list-style-type: none"> ■ Before tightening screws, be sure that the rubber vibration isolators firmly fit into the fan motor stand when reassembling.
5	Remove the 4 screws and remove the fan motor from the stand.	



(R13338)

7. Removal of Front Panel

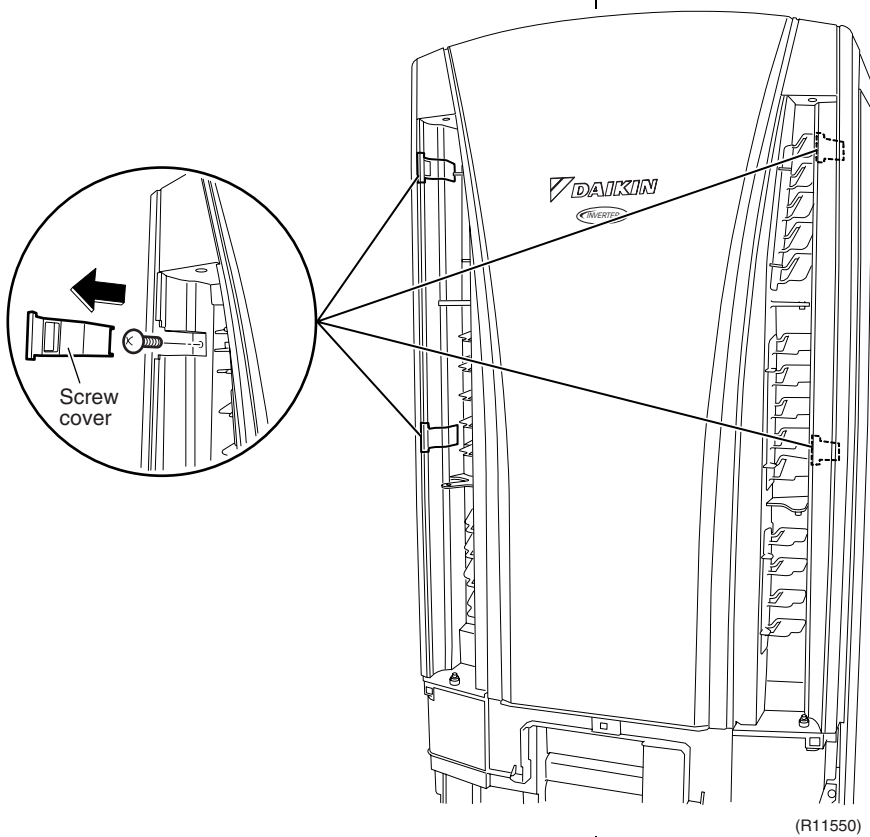
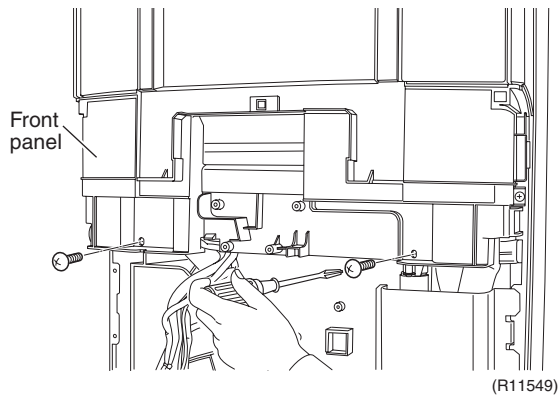
Procedure



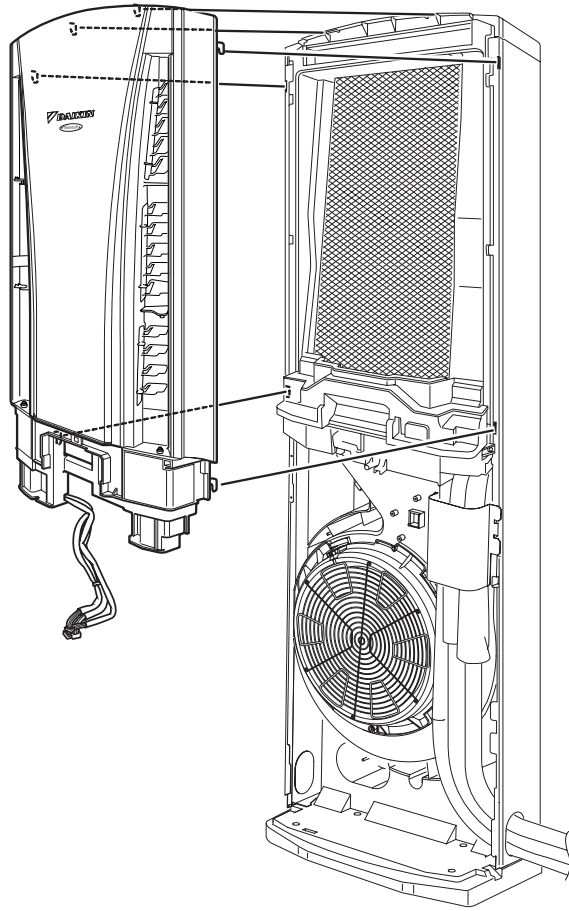
Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
<p>1. Remove the vertical blades.</p> <p>1 Release the 2 center hooks of the vertical blade.</p> <p>2 Release the upper shaft and remove the vertical blade.</p> <p>3 Remove the other vertical blade in the same way.</p>	<p style="text-align: right;">(R13339)</p>	<p>■ You can remove the front panel without removing the vertical blade.</p>
<p>2. Remove the front panel.</p> <p>1 Remove the screw and remove the wire harness cover.</p> <p>2 Cut the clamp of the wire harness.</p>	<p style="text-align: right;">(R11547)</p> <p style="text-align: right;">(R11548)</p>	

Step	Procedure	Points
3	Remove the 2 screws of the front panel.	
4	Remove the 4 screw covers.	
5	Remove the 4 screws.	



Step	Procedure	Points
6	Lift the front panel up to unfasten the 6 hooks and pull it out.	



(R11551)

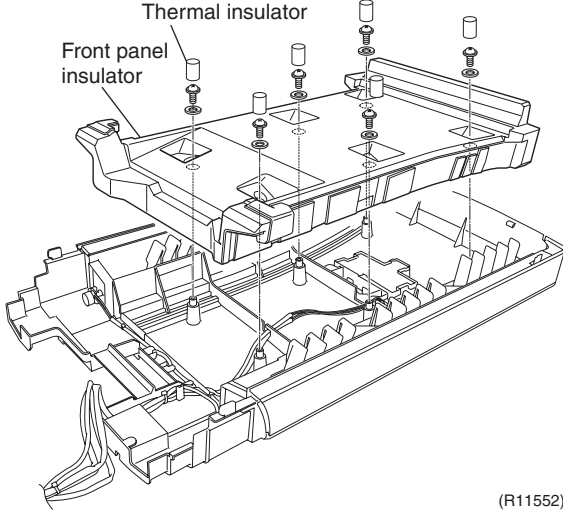
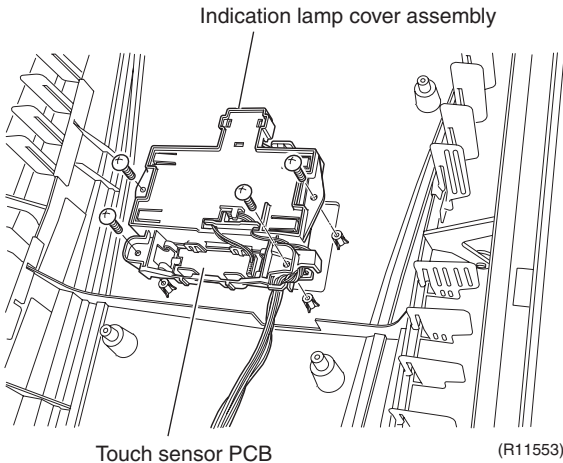
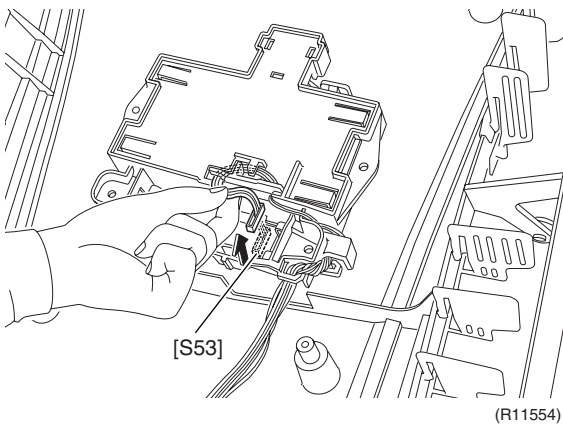
8. Removal of Touch Sensor PCB / Signal Receiver PCB / Display PCB

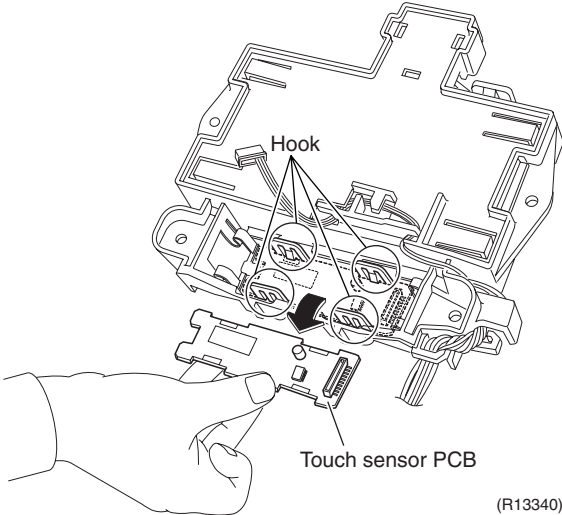
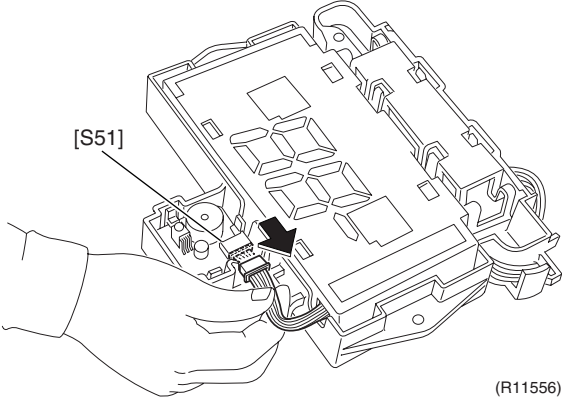
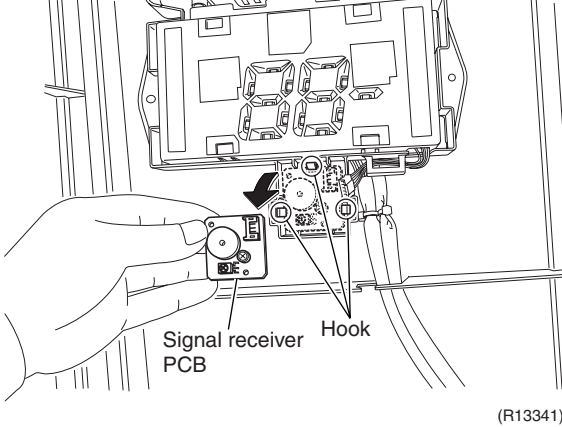
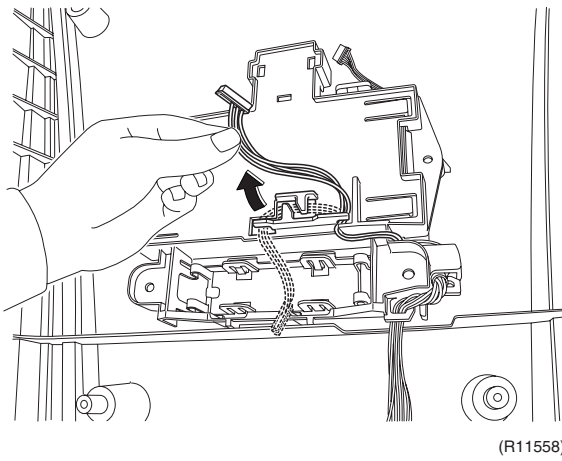
Procedure

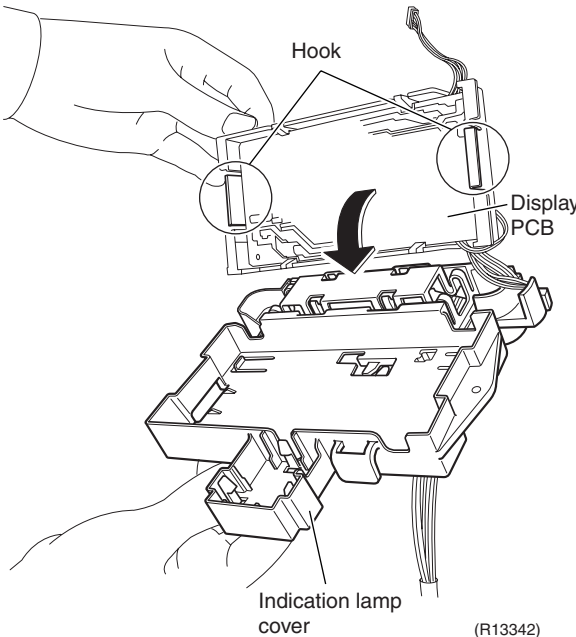
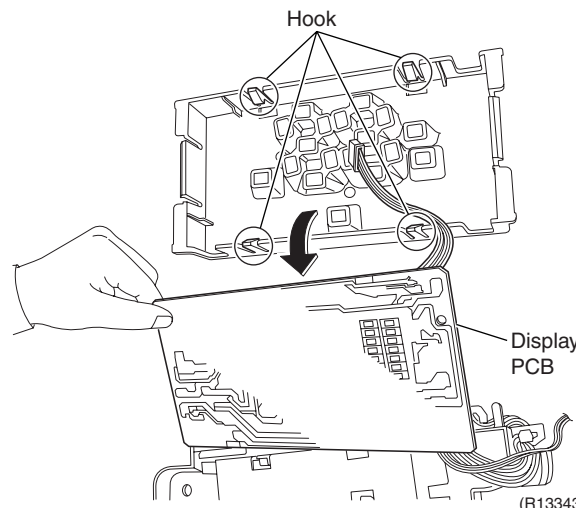
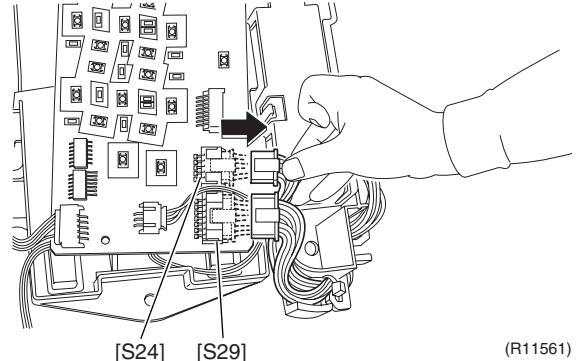
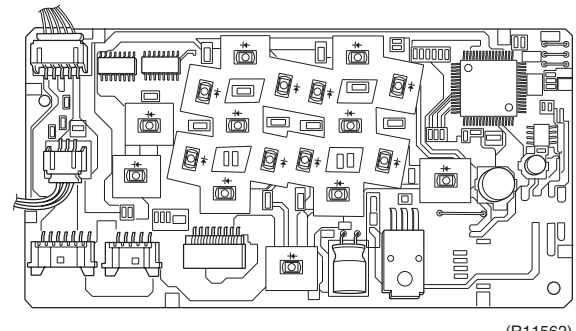


Warning

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Step	Procedure	Procedure	Points
1 Remove the 6 thermal insulators. 2 Remove the 6 screws. 3 Remove the front panel insulator.		 <p>(R11552)</p>	<ul style="list-style-type: none"> ■ Remove the front panel according to "Removal of Front Panel". ■ Each screw has a washer. When reassembling, make sure to attach the washers.
4	Release the 4 screws of the indication lamp cover assembly.	 <p>(R11553)</p>	
5	Disconnect the connector [S53] from the touch sensor PCB.	 <p>(R11554)</p>	[S53] : display PCB

Step	Procedure	Points
6	Release the 4 hooks and remove the touch sensor PCB.	
	 <p style="text-align: right;">(R13340)</p>	
7	Disconnect the connector [S51] from the signal receiver PCB at the front side.	[S51] : display PCB
	 <p style="text-align: right;">(R11556)</p>	
8	Release the 3 hooks and remove the signal receiver PCB.	
	 <p style="text-align: right;">(R13341)</p>	
9	Release the harness from the hook (at the back side).	
	 <p style="text-align: right;">(R11558)</p>	

Step	Procedure	Points	
10	Release the 2 hooks and remove the indication lamp cover.		
11	Release the 4 hooks and remove the display PCB.		
12	Disconnect the connectors [S24], [S29] from the display PCB.		[S24] [S29] : control PCB
13	Feature of the display PCB		

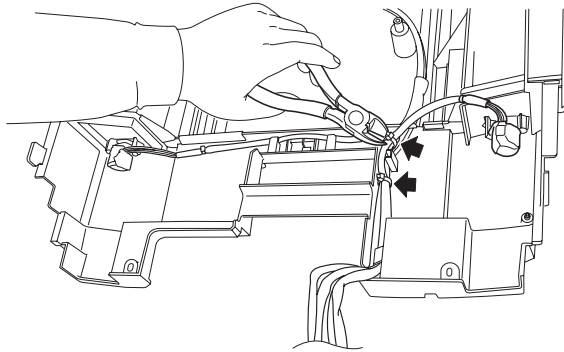
9. Removal of Swing Motors

Procedure



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Step	Procedure	Points
1	Cut the 2 clamps.	<ul style="list-style-type: none"> Remove the front panel according to "Removal of Front Panel".
2	Remove the 2 screws and remove the swing motor.	
3	Remove the aluminum tape, and disconnect the connector.	
4	Remove the other swing motor in the same way.	

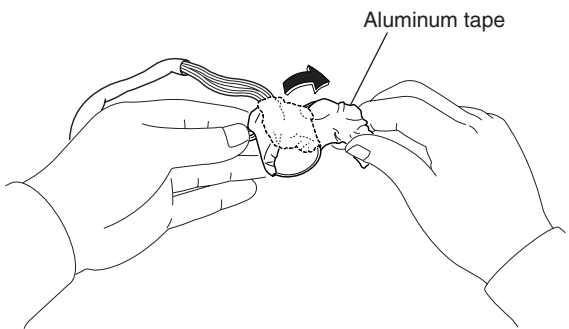


(R11563)



Swing motor

(R11564)



Aluminum tape

(R11565)

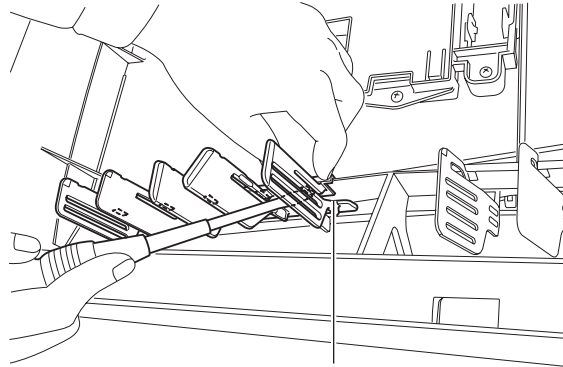
10. Removal of Horizontal Blade Assemblies

Procedure



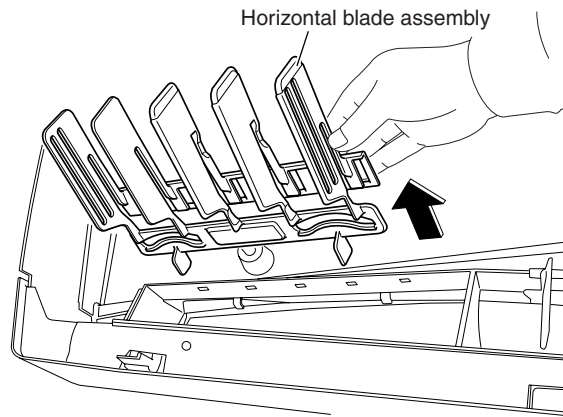
Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
1	Release the 5 hooks with a flat screwdriver.	<ul style="list-style-type: none"> ■ Remove the front panel according to "Removal of Front Panel". ■ The lowest horizontal blade has 4 hooks.
2	Lift and remove the horizontal blade assembly.	
3	Remove the other horizontal blade assemblies in the same way.	



Hook

(R11566)



Horizontal blade assembly

(R13345)

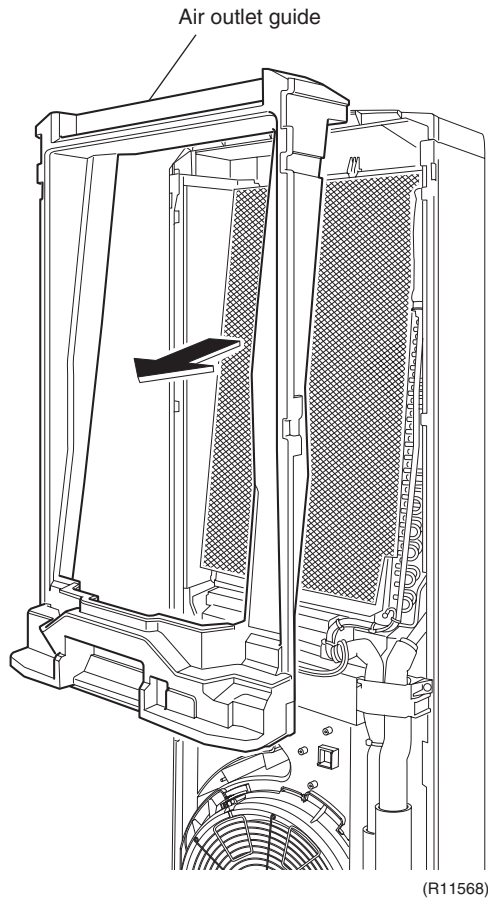
11. Removal of Indoor Heat Exchanger

Procedure

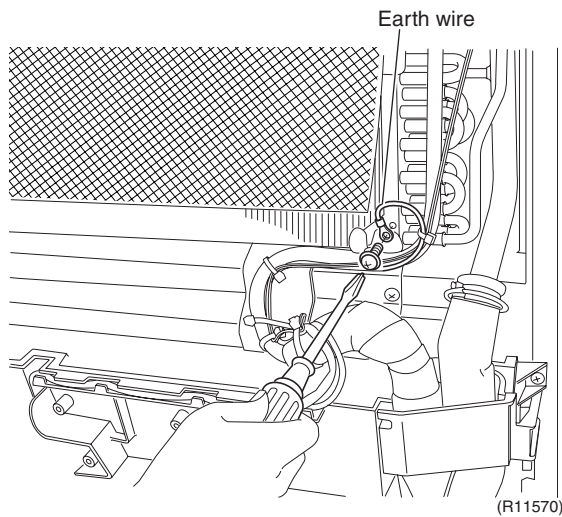


Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

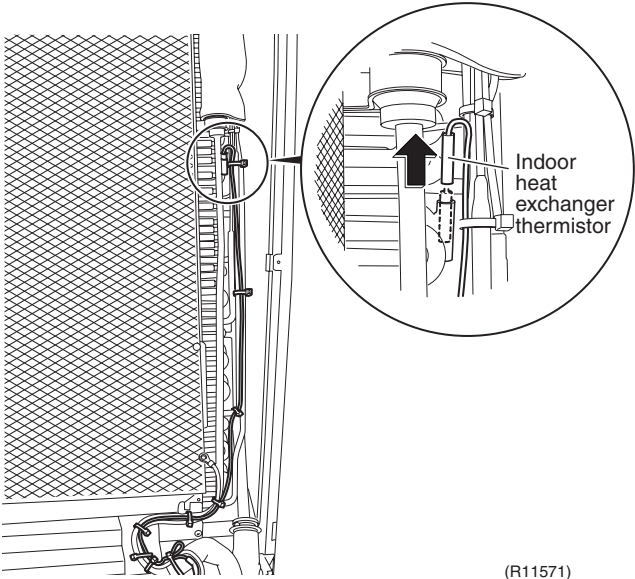
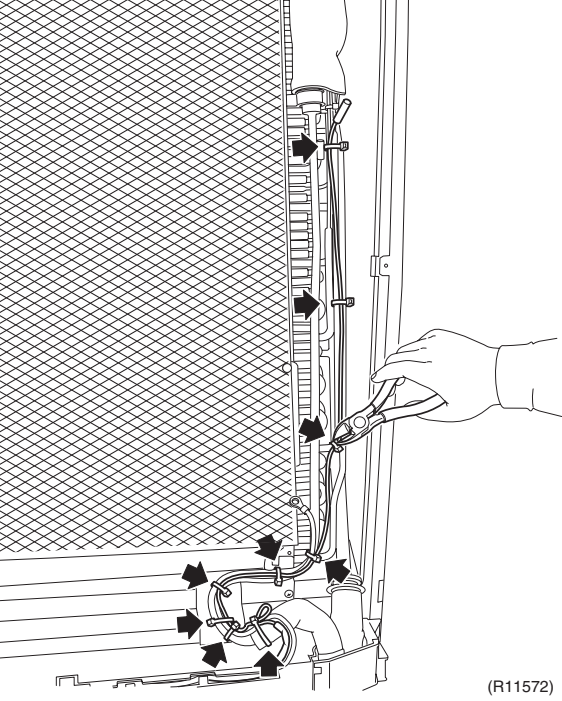
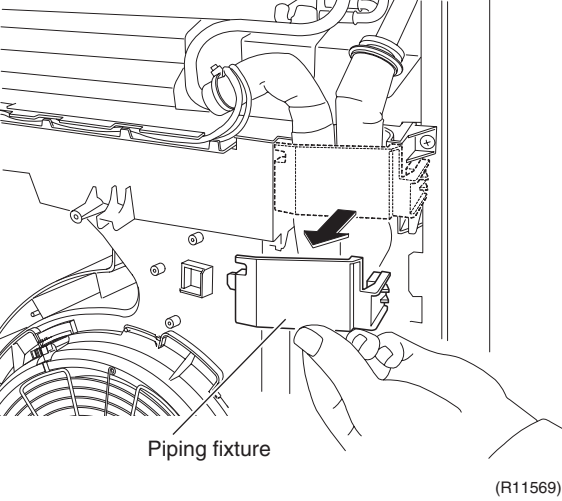
Step	Procedure	Points
1	Pull out the air outlet guide.	<ul style="list-style-type: none"> ■ Remove the front panel. ■ Remove the piping cover. ■ Remove the electrical box. ■ Release the harnesses from the hook behind the electrical box.
2	Remove the screw of the earth wire.	



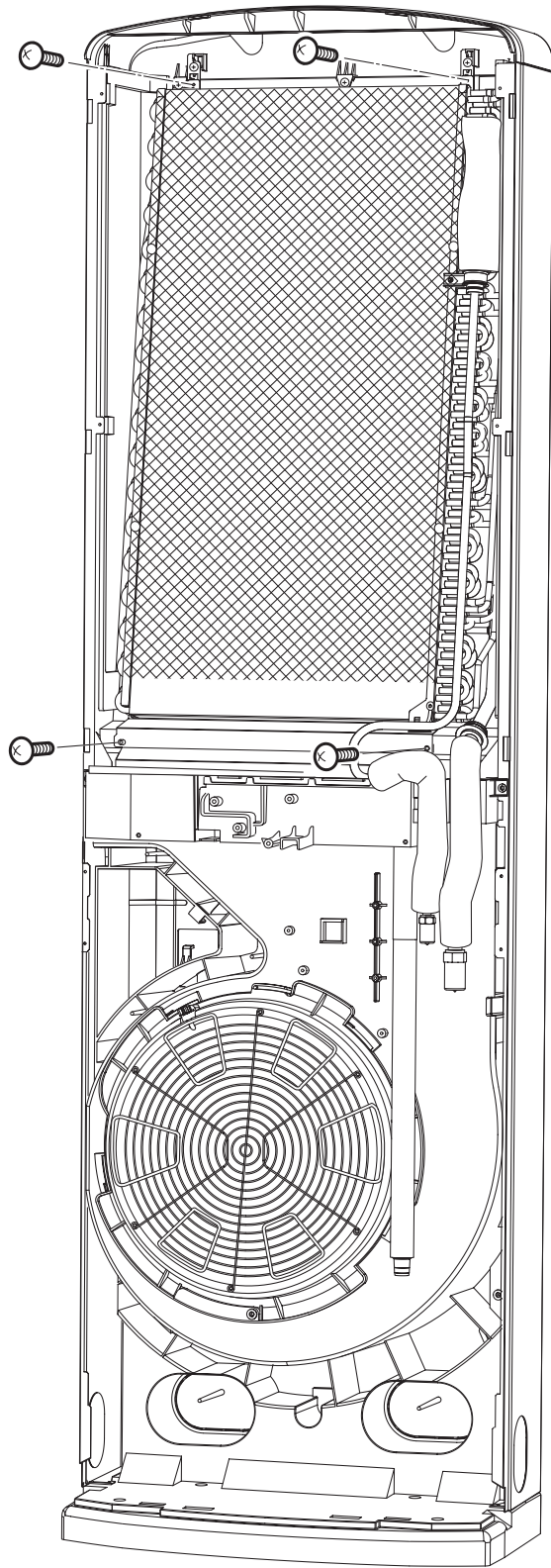
(R11568)



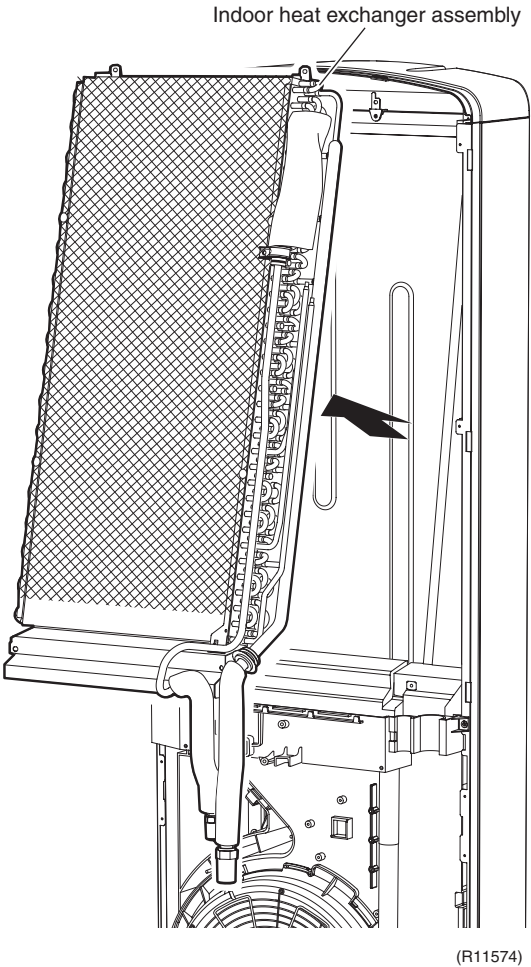
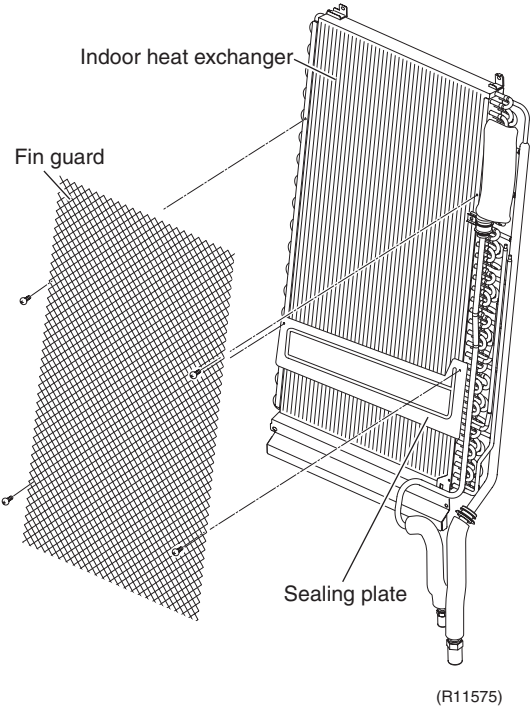
(R11570)

Step	Procedure	Points
3	Release the indoor heat exchanger thermistor from the holder.	
	 <p>(R11571)</p>	
4	Cut the 9 clamps and release the wire harnesses.	
	 <p>(R11572)</p>	
5	Remove the piping fixture.	
	 <p>(R11569)</p>	

Step	Procedure	Points
6	Remove the 4 screws of the indoor heat exchanger assembly.	



(R11573)

Step	Procedure	Points
7	Lift up and remove the indoor heat exchanger assembly.	
	 <p style="text-align: center;">Indoor heat exchanger assembly</p> <p style="text-align: right;">(R11574)</p>	
8	Remove the 4 screws, and remove the fin guard and the sealing plate.	
	 <p style="text-align: center;">Indoor heat exchanger</p> <p style="text-align: left;">Fin guard</p> <p style="text-align: center;">Sealing plate</p> <p style="text-align: right;">(R11575)</p>	

Revision History

Month / Year	Version	Revised contents
01 / 2013	Si061063	First edition

Warning



- Daikin products are manufactured for export to numerous countries throughout the world. Prior to purchase, please confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Dealer

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