




REMOVAL PROCEDURE



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

6.0/7.1 kW Class

-  Indoor Unit
-  Inverter
-  Floor Standing Type



Service Manual Removal Procedure

Indoor Unit

●Heat Pump
FVXS60HVMA
FVXS71HVMA

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

1. Removal of Air Filter / Front Panel / Front Grille

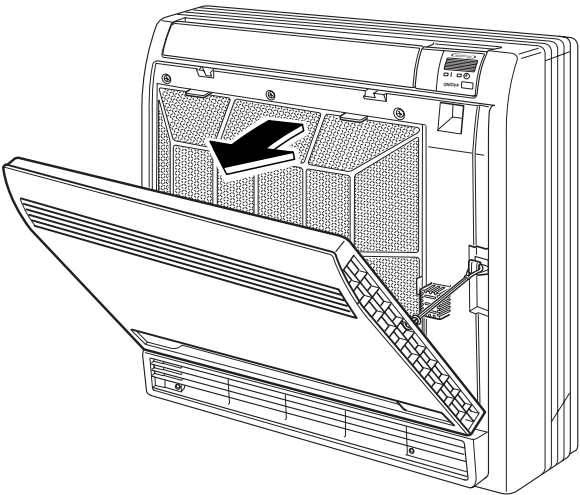
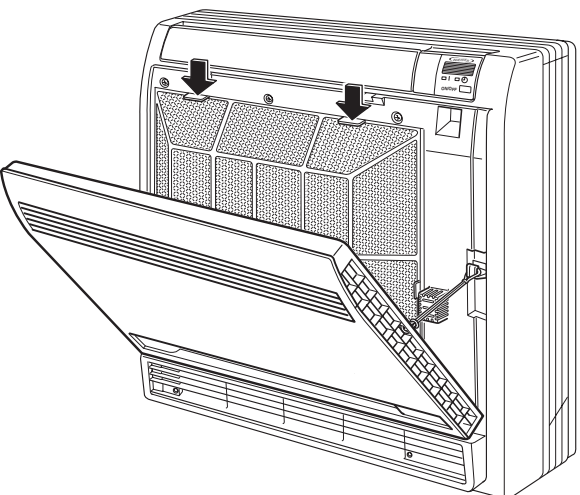
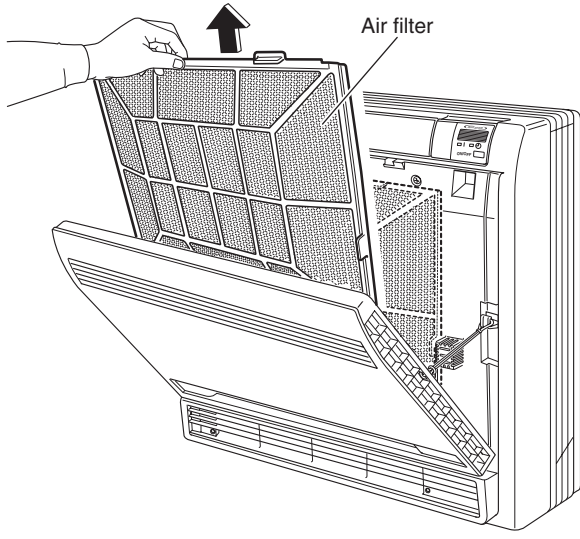
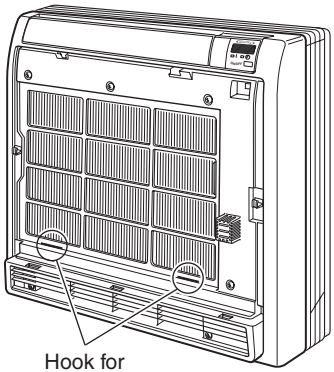
Procedure

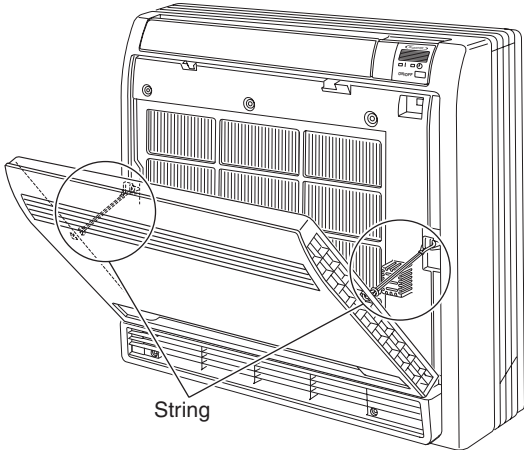
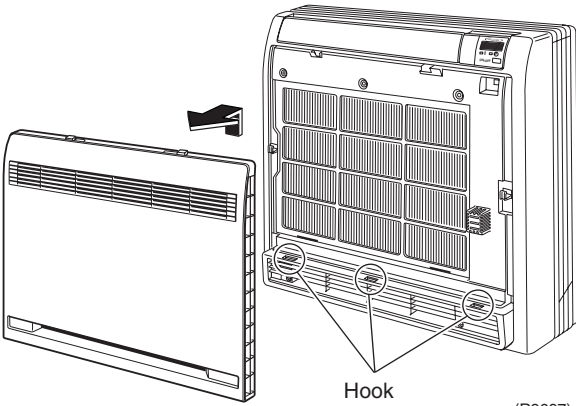
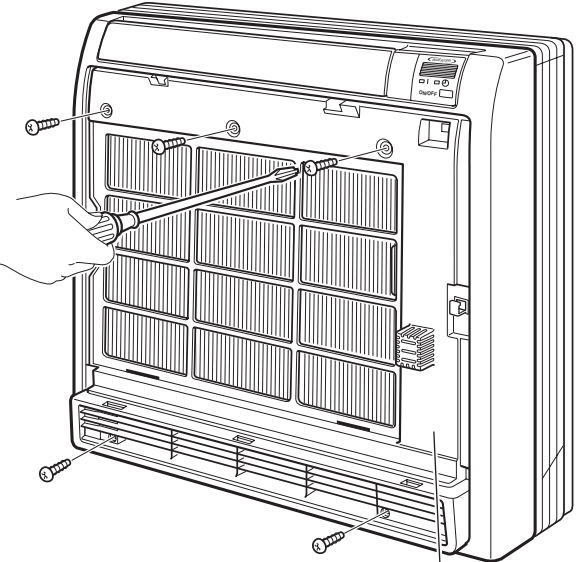


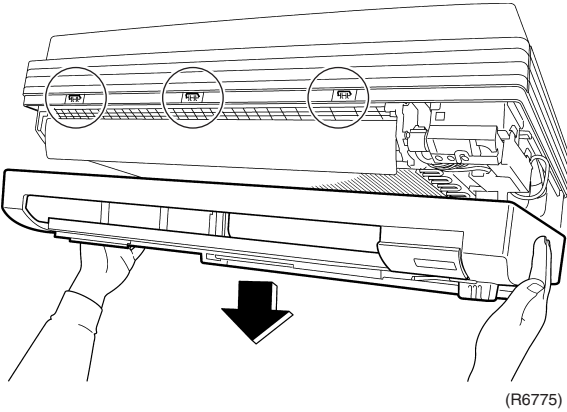
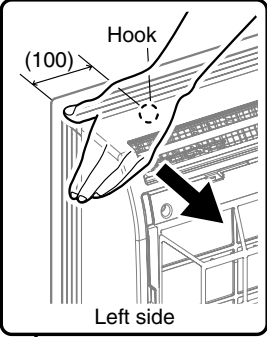
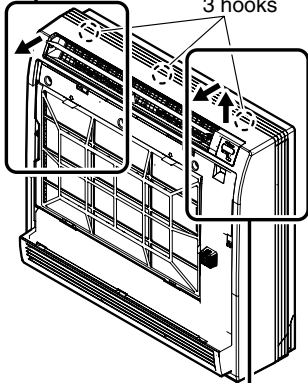
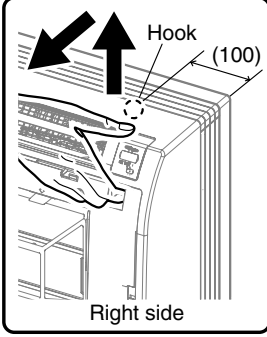
Warning

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

Step	Procedure	Points
<p>1. Features</p>	<p>(R9692)</p> <p>(R6766)</p>	
<p>2. Remove the front panel.</p>	<p>1 Unfasten the 2 hooks on the top of the front panel.</p> <p>Front panel</p> <p>(R9693)</p> <p>(R6768)</p>	<p>■ Slide the right and the left hooks to the center.</p>

Step		Procedure	Points
2	Open the front panel.	 <p>(R9694)</p>	
3	Press the 2 hooks of the top of the air filter downward and unfasten them.	 <p>(R9695)</p>	
4	Pull the air filter up and remove it.	 <p>(R9696)</p>	<p>■ When installing the air filter, catch the 2 hooks of the front grille.</p>  <p>(R17117)</p>

Step	Procedure	Points
5	<p>Release the strings from the hooks.</p>  <p style="text-align: center;">String</p> <p style="text-align: right;">(R14977)</p>	
6	<p>Release the 3 hooks of the bottom of the front panel and remove the front panel.</p>  <p style="text-align: center;">Hook</p> <p style="text-align: right;">(R9697)</p>	<ul style="list-style-type: none"> ■ When installing the front panel, catch the 3 hooks of the front grille and hitch the string to prevent the front panel from dropping.
7	<p>Remove the 5 screws from the front grille.</p>  <p style="text-align: center;">Front grille</p> <p style="text-align: right;">(R9699)</p>	

Step		Procedure	Points
8	Pull the front grille and remove it.	 <p>(R6775)</p>	<p>■ The main unit has 3 hooks on the upper part. When unfastening the hooks on the front grille, hold the front panel as shown below.</p>  <p>Left side</p>   <p>Right side</p> <p>(R15003)</p>

2. Removal of Horizontal Blade

Procedure



Warning

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Step	Procedure	Points
<p>1 Open the horizontal blade. 2 Release the center shaft.</p>	<p>(R9702)</p>	<p>■ Release the left shaft first and then release the right shaft from the key alignment.</p>
<p>3 Bend the horizontal blade to release the right and left shafts and remove the horizontal blade.</p>	<p>(R9703)</p>	
	<p>(R9704)</p>	

3. Removal of Electrical Box

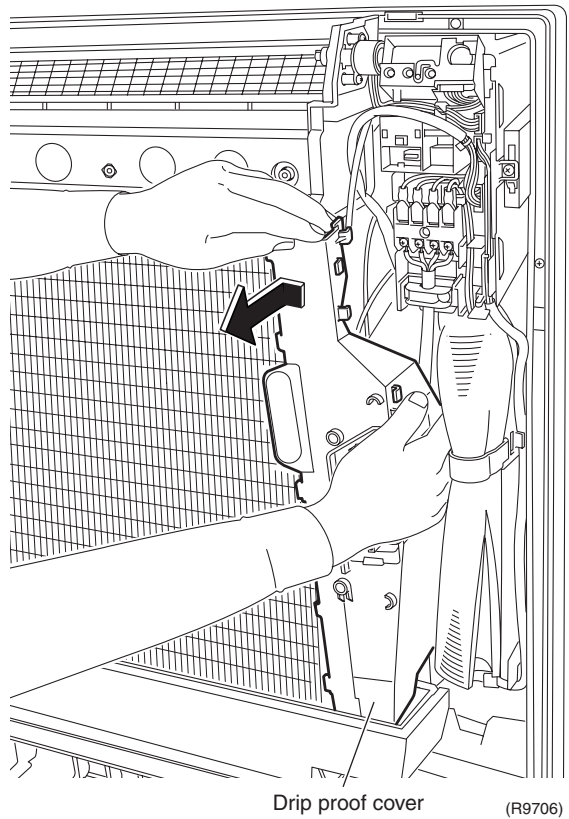
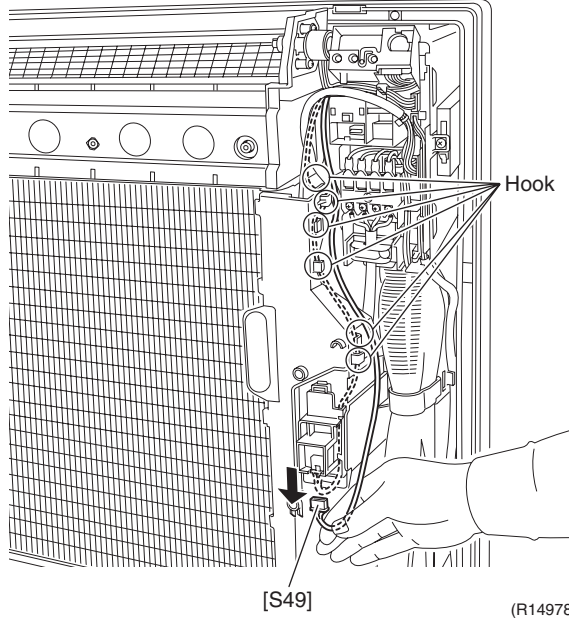
Procedure



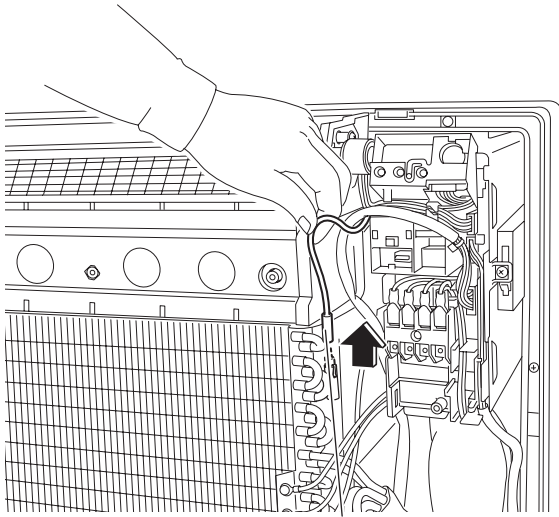
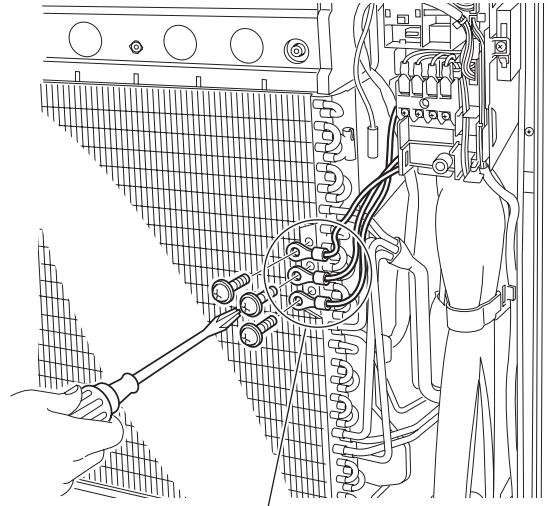
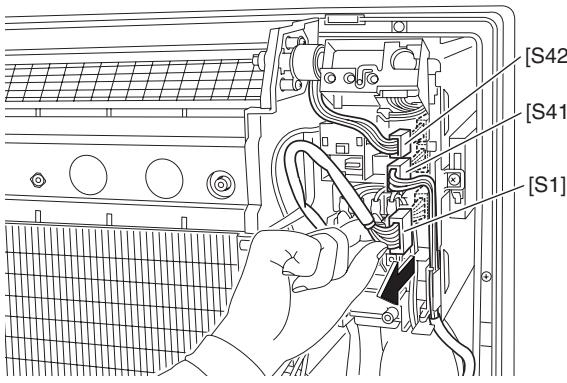
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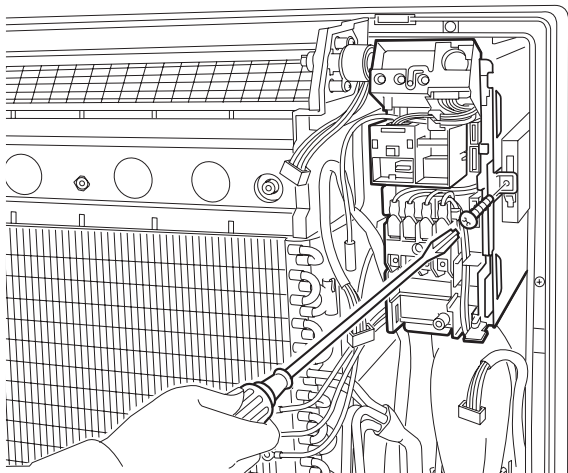
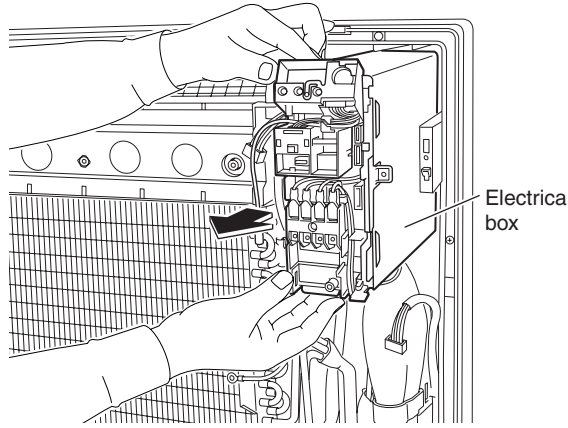
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
1	Disconnect the connector [S49] and release the harness from the 6 hooks.	Hook
2	Pull the drip proof cover and remove it.	Drip proof cover



Step	Procedure	Points
3	<p>To detach the connection wires, remove the screw from the wiring fixture and remove the 4 screws from the terminal board.</p>	<ul style="list-style-type: none"> ■ When reassembling, make sure to fit the hook.
	<p>(R9708)</p>	
	<p>(R9707)</p>	
	<p>Terminal board</p> <p>Wiring fixture</p> <p>(R9709)</p>	

Step	Procedure	Procedure	Points
4	Pull the indoor heat exchanger thermistor out.	 <p style="text-align: center;">Indoor heat exchanger thermistor (R14979)</p>	<ul style="list-style-type: none"> ■ Be careful not to lose the clip for the thermistor.
5	Remove the 3 screws and release the earth wires.	 <p style="text-align: center;">Earth wire (R14980)</p>	
6	Disconnect the 3 connectors [S1] [S41] [S42].	 <p style="text-align: right;">[S42] [S41] [S1]</p> <p style="text-align: right;">(R9712)</p>	<p>[S1] : fan motor [S41]: lower air outlet motor [S42]: swing motor</p>

Step	Procedure	Points
7	<p>Remove the screw.</p>  <p>(R9713)</p>	
8	<p>Pull the electrical box out.</p>  <p>Electrical box</p> <p>(R9714)</p>	

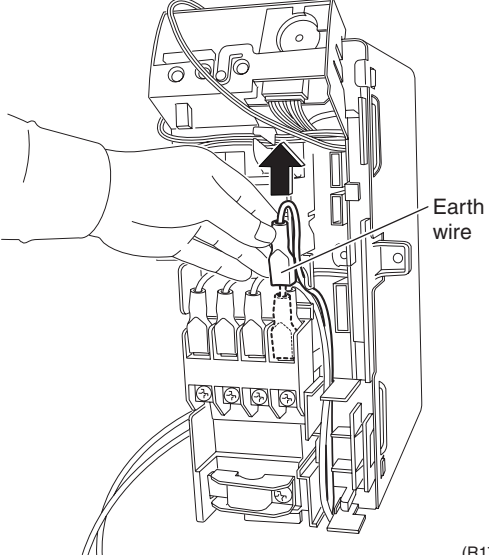
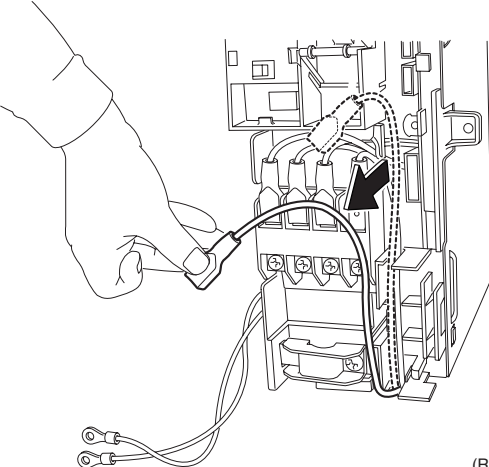
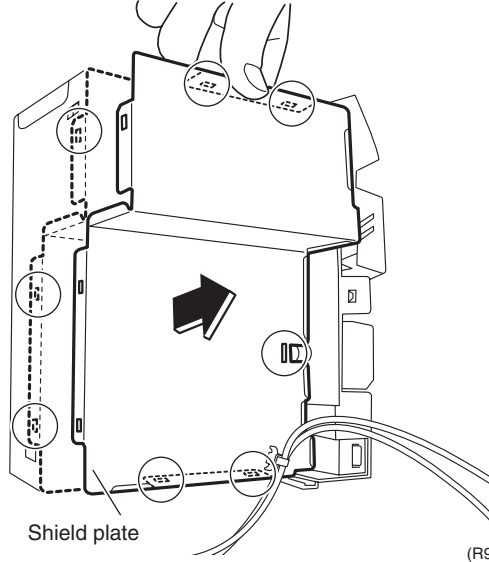
4. Removal of PCBs

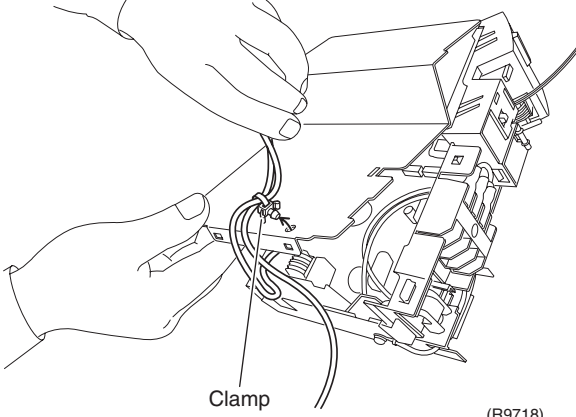
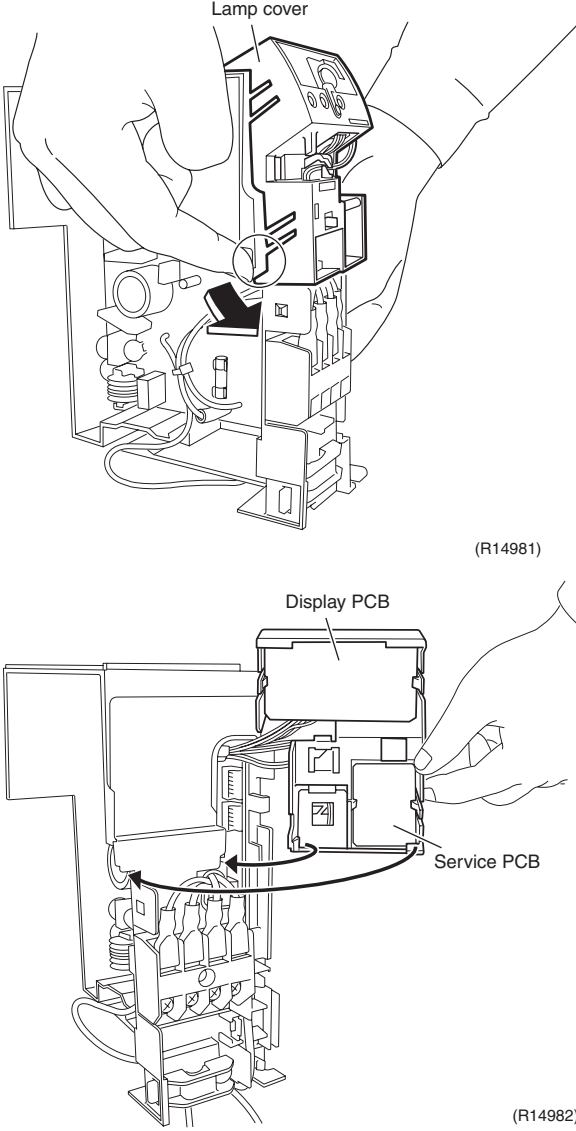
Procedure

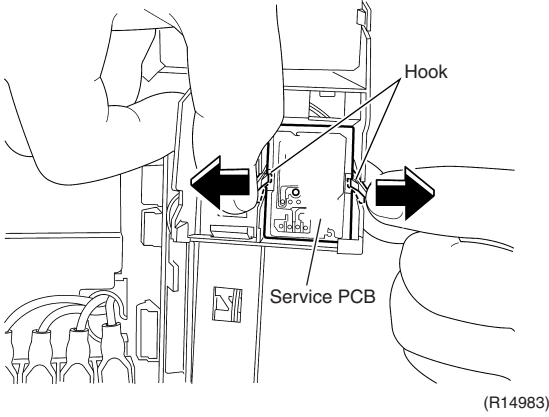
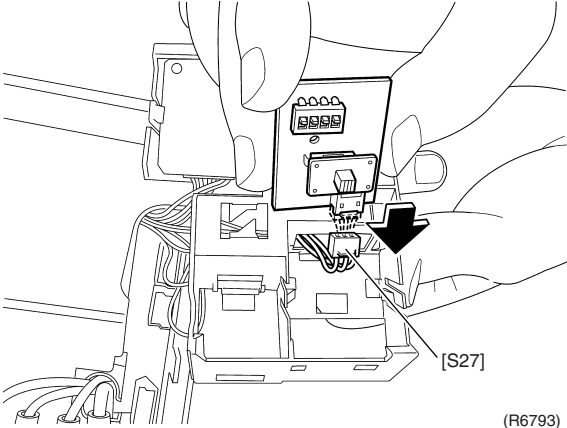
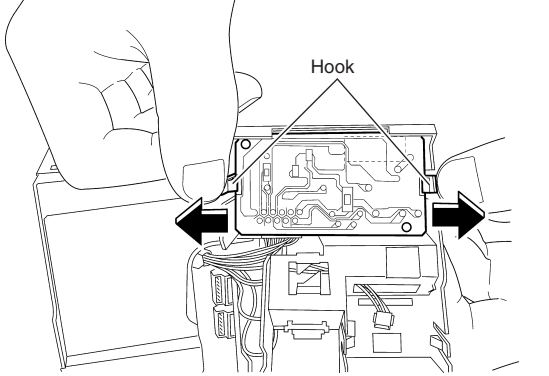
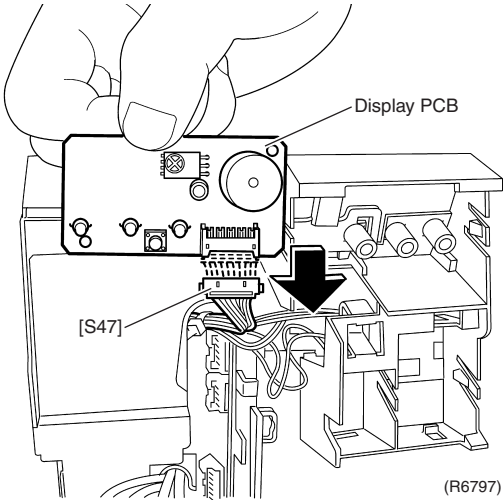


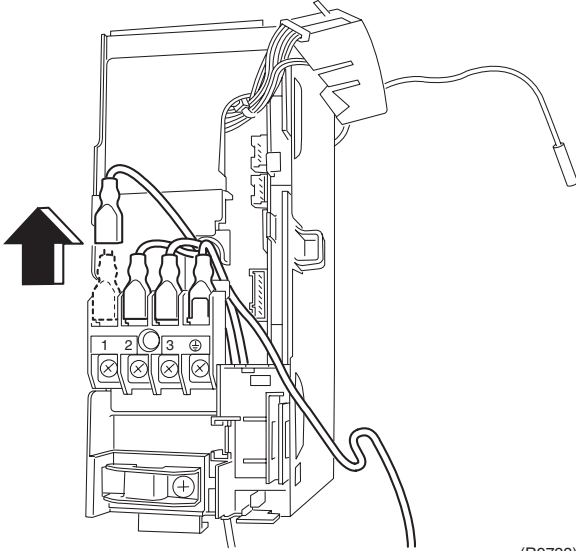
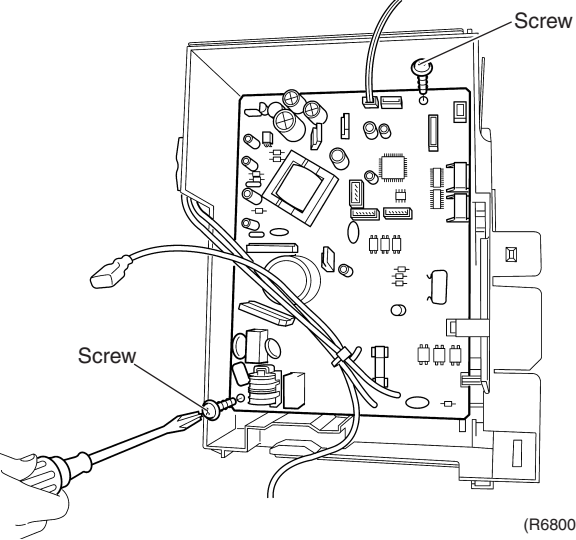
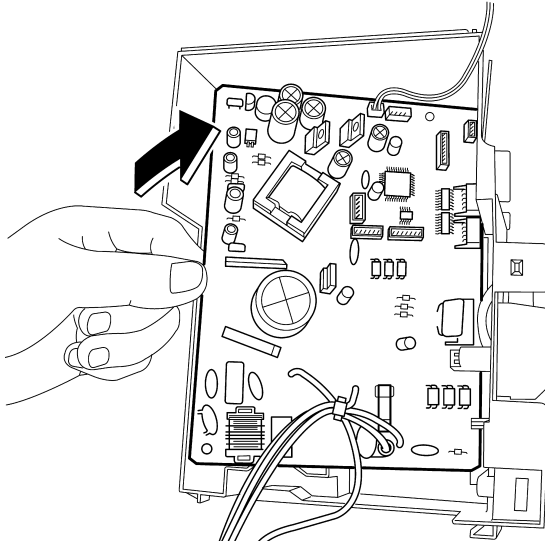
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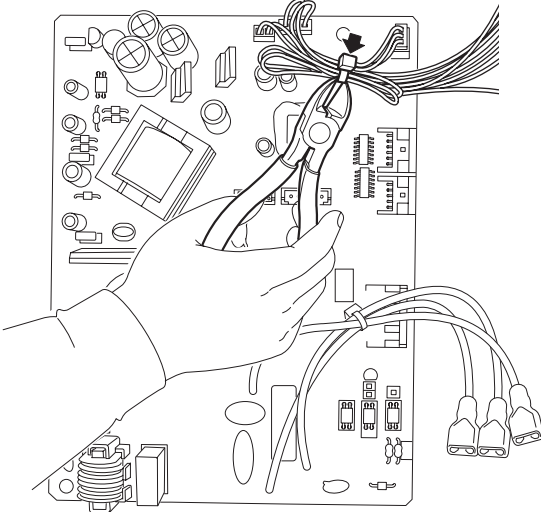
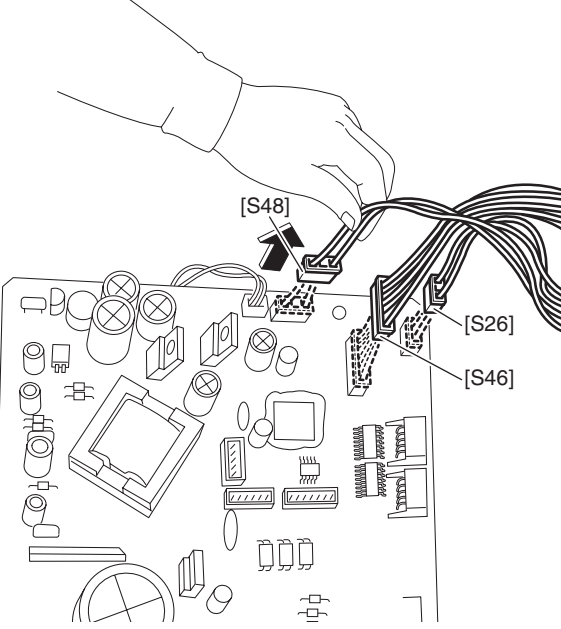
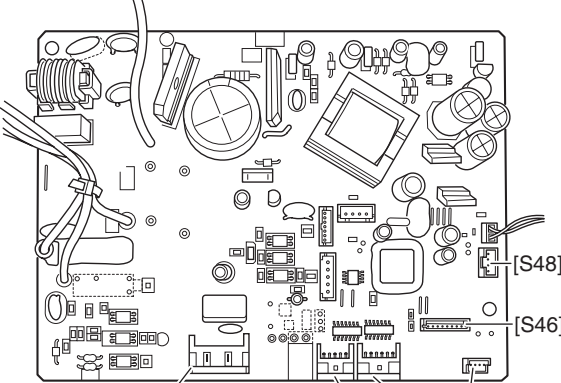
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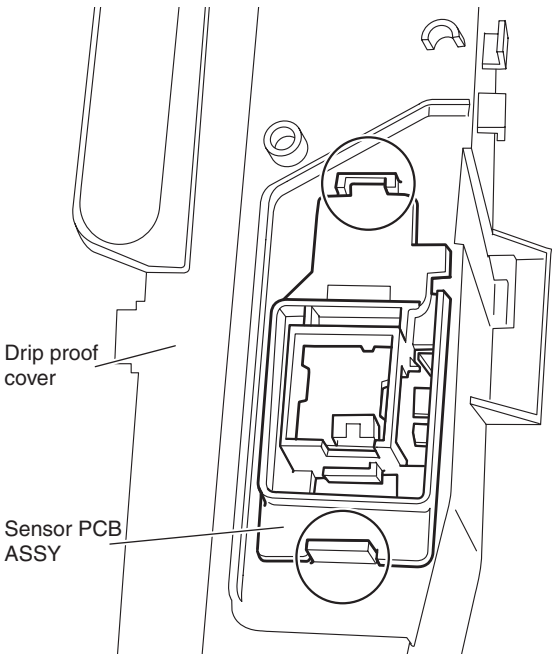
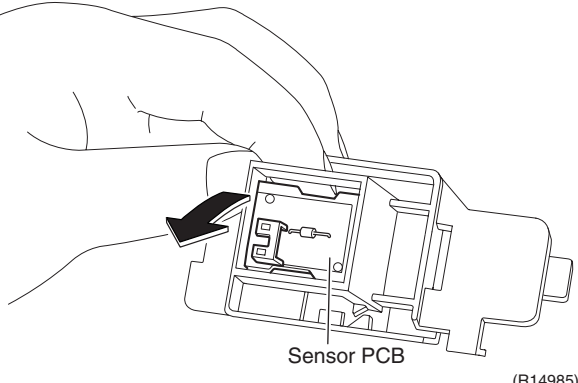
Step	Procedure	Points
1. Remove of the shield plate.	 <p style="text-align: right;">(R17109)</p>	
2. Release the earth wire.	 <p style="text-align: right;">(R9716)</p>	
3. Unfasten the 8 hooks of the shield plate and remove it.	 <p style="text-align: right;">(R9717)</p>	

Step	Procedure	Points
4	<p>Detach the clamp.</p> 	
<p>2. Remove the service PCB.</p> <p>1</p>	<p>Unfasten the 2 hooks of the lamp cover.</p> 	<p>■ Unfasten the left hook first.</p>

Step	Procedure	Points
2	Unfasten the 2 hooks of the service PCB.	 <p>(R14983)</p>
3	Disconnect the connector [S27] and remove the service PCB.	 <p>(R6793)</p>
3. Remove the display PCB.		
1	Unfasten the 2 hooks of the display PCB.	 <p>(R14753)</p>
2	Disconnect the connector [S47] and remove the display PCB.	 <p>(R6797)</p>

Step	Procedure	Points
<p>4. Remove the control PCB.</p>	<p>1 Pull all the terminals out from the terminal board.</p>  <p>(R9723)</p> <p>2 Remove the 2 screws.</p>  <p>(R6800)</p> <p>3 Remove the control PCB.</p>  <p>(R6801)</p>	

Step	Procedure	Points
4	<p>Cut the clamp.</p>  <p>(R9724)</p>	
5	<p>Disconnect the connectors [S26] [S46] [S48].</p>  <p>(R9725)</p>  <p>(R14984)</p>	<p>[S26]: service PCB [S46]: display PCB [S48]: sensor PCB</p>

Step	Procedure	Points
<p>5. Remove the sensor PCB.</p>	<p>1 Unfasten the 2 hooks and remove the sensor PCB ASSY from the drip proof cover.</p>  <p>(R9719)</p> <p>2 Lift up and remove the sensor PCB.</p>  <p>(R14985)</p>	

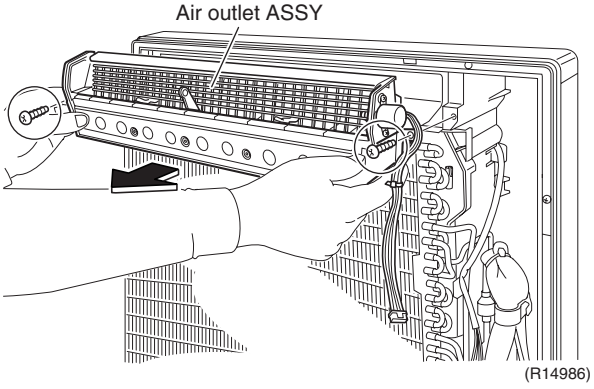
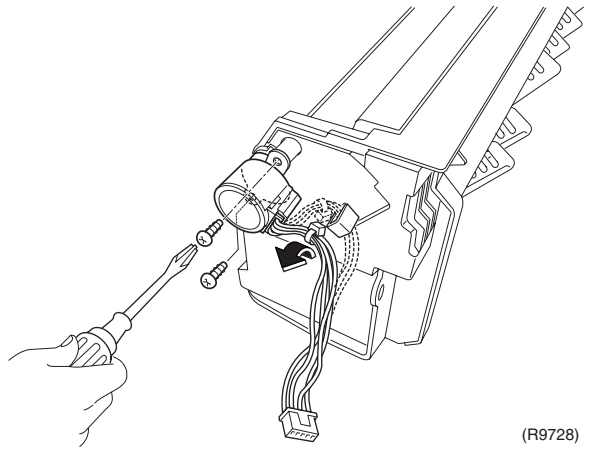
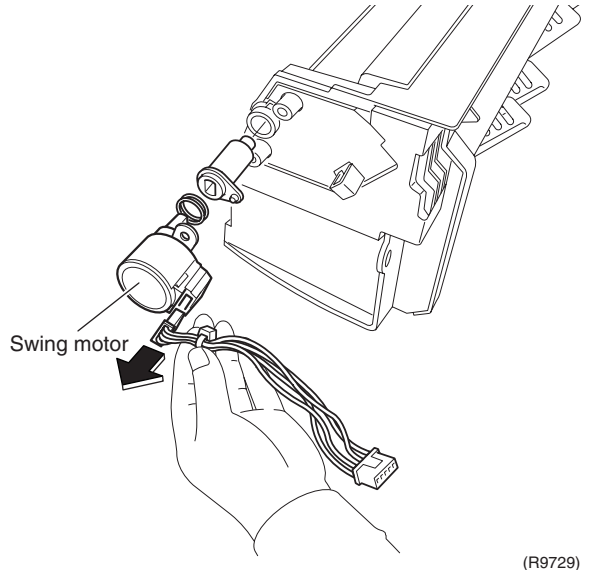
5. Removal of Vertical Blades

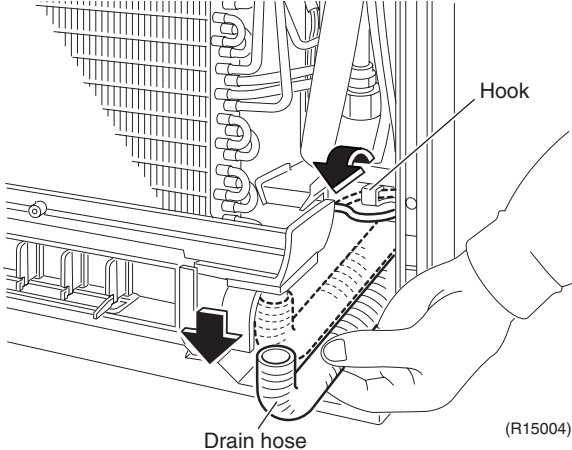
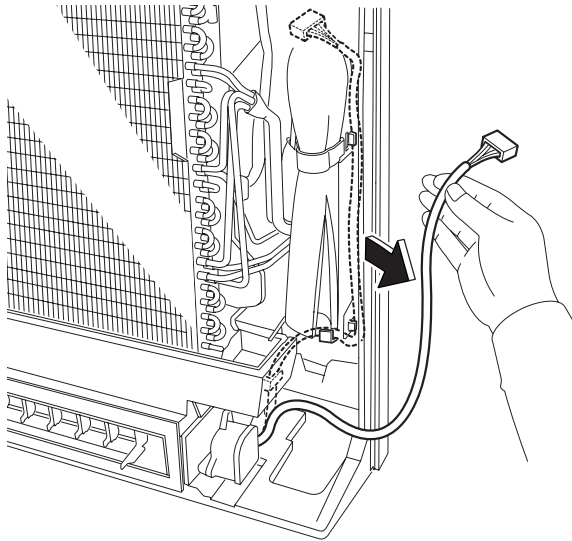
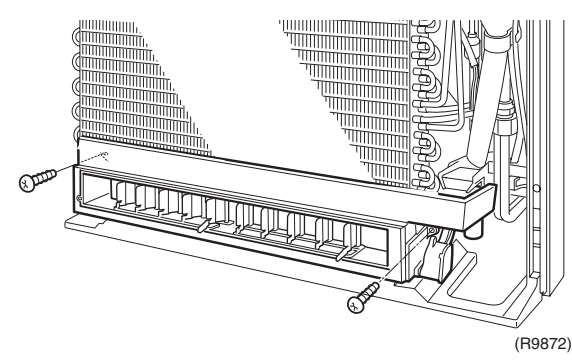
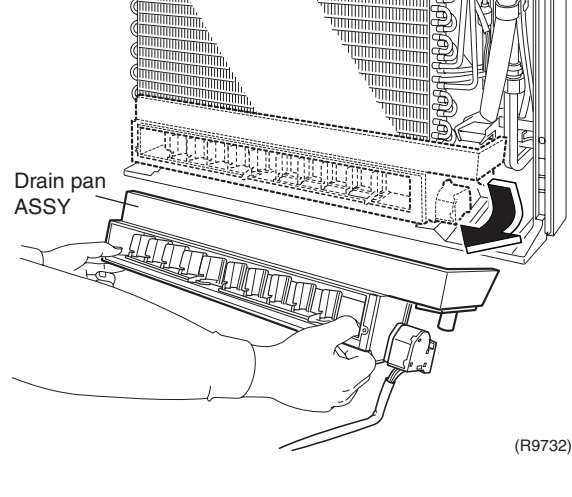
Procedure



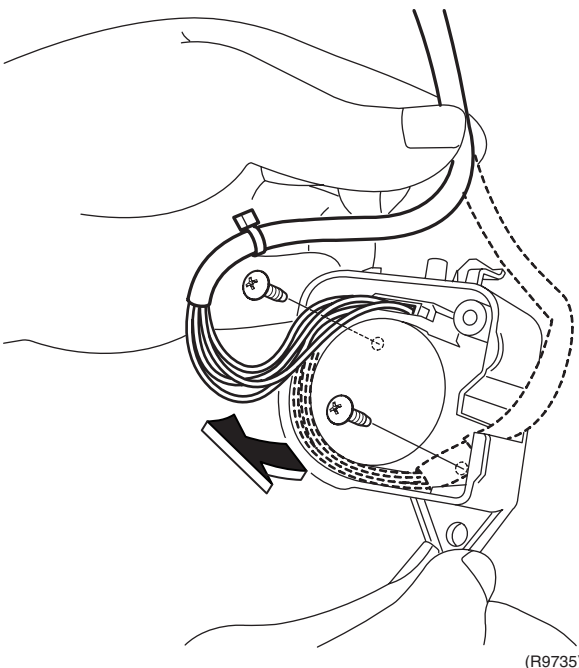
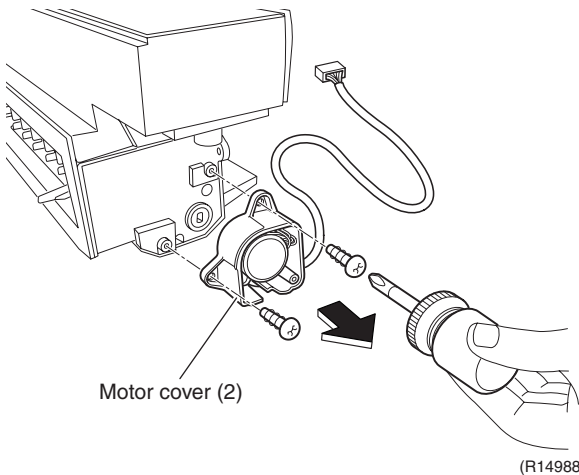
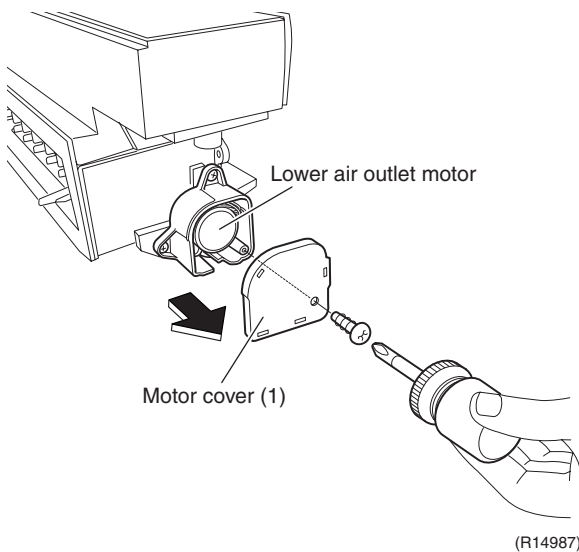
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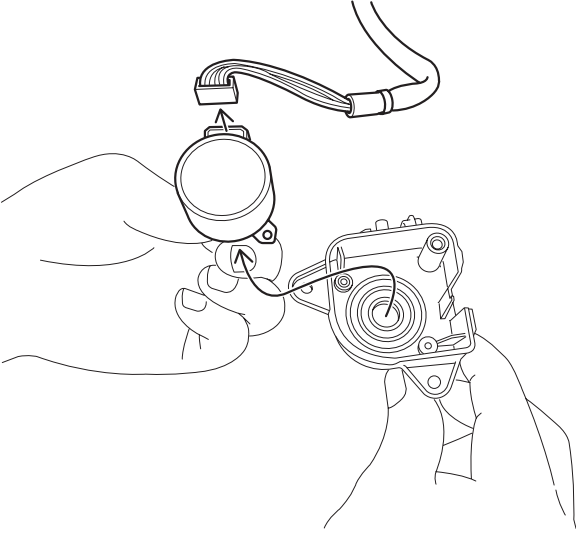
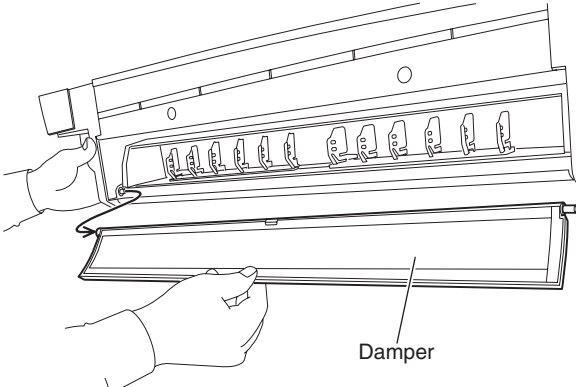
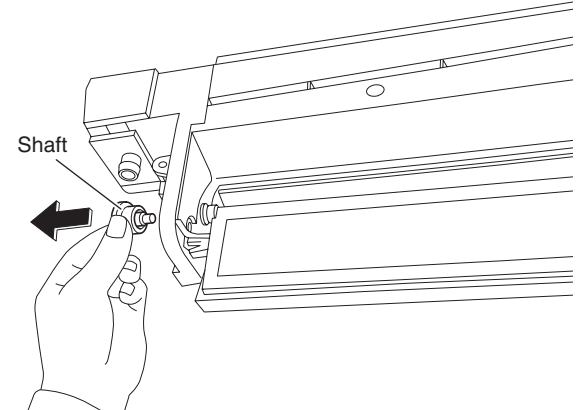
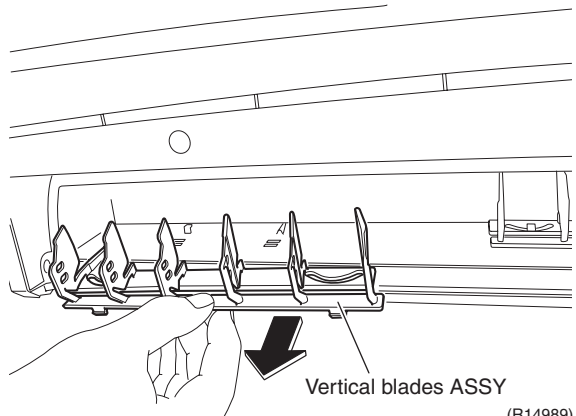
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Step	Procedure	Points
1. Remove the vertical blade (upper).	 <p style="text-align: right;">(R14986)</p>	
2. Release the wires from the hook and remove the 2 screws.	 <p style="text-align: right;">(R9728)</p>	
3. Remove the swing motor and disconnect the connector.	 <p style="text-align: right;">(R9729)</p>	

Step	Procedure	Points
2.	Remove the vertical blade (lower).	<ul style="list-style-type: none"> ■ Be careful not to wet the floor with drained water.
1	<p>Remove the drain hose and release the harness of the lower air outlet motor from the hook.</p>  <p style="text-align: right;">(R15004)</p>	
2	<p>Release the harness from the hooks.</p>  <p style="text-align: right;">(R9731)</p>	
3	<p>Remove the 2 screws of the drain pan ASSY.</p>  <p style="text-align: right;">(R9872)</p>	
4	<p>Pull out the drain pan ASSY.</p>  <p style="text-align: right;">(R9732)</p>	

Step	Procedure	Points
5	Remove the screw and remove the swing motor cover (1).	
6	Remove the 2 screws, and remove the lower air outlet motor with the motor cover (2).	
7	Release the harnesses, and remove the 2 screws.	



Step	Procedure	Points
8	<p>Remove the lower air outlet motor and disconnect the connector.</p>  <p>(R9736)</p>	
9	<p>Remove the damper.</p>  <p>Damper</p> <p>(R9737)</p>	
10	<p>Remove the shaft.</p>  <p>Shaft</p> <p>(R9738)</p>	
11	<p>Unfasten the hooks from the drain pan and remove the vertical blades ASSY.</p>  <p>Vertical blades ASSY</p> <p>(R14989)</p>	<p>■ 2 hooks at the front 3 hooks at the back</p>

6. Removal of Indoor Heat Exchanger

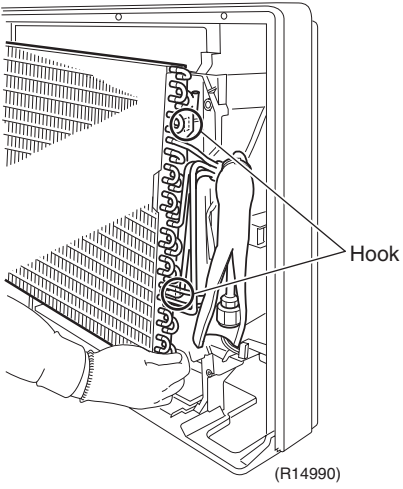
Procedure



Warning

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Step	Procedure	Points
<p>■ Make sure that the refrigerant gas is removed after the pump down work.</p>	<p>(R9740)</p>	<p>Caution When removing or reassembling the indoor heat exchanger, be sure to wear gloves or wrap the indoor heat exchanger with cloth before proceeding to the work. (You may be injured by the fins.)</p>
<p>1 Release the flared joint of the liquid pipe and the gas pipe using 2 wrenches.</p> <p>2 Remove the piping fixture.</p>	<p>(R9741)</p>	<p>(R9994)</p>
<p>3 Unfasten the 2 hooks on the left side of the indoor heat exchanger.</p>	<p>(R9876)</p>	

Step	Procedure	Points
<p>4</p>	<p>Unfasten the 2 hooks on the right side and remove the indoor heat exchanger.</p>  <p>(R14990)</p>	

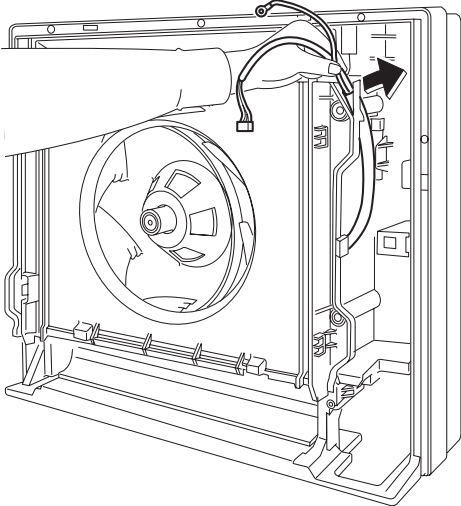
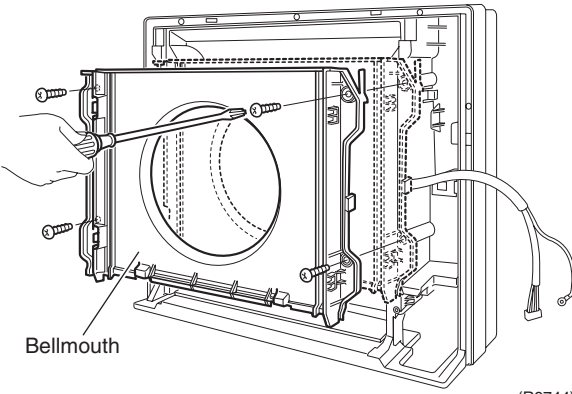
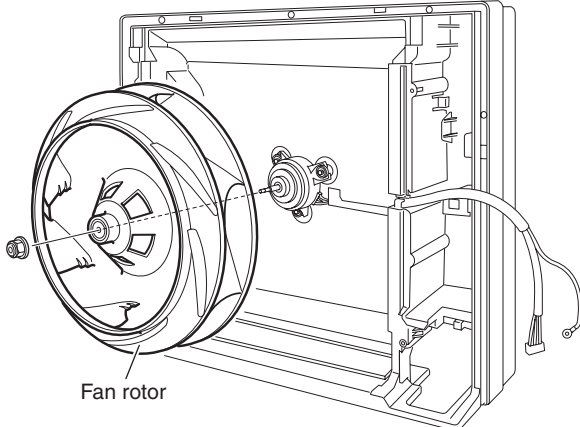
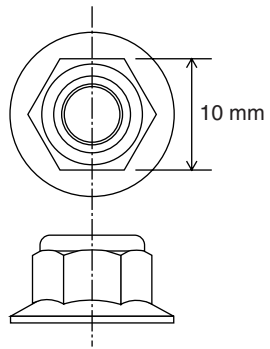
7. Removal of Fan Rotor / Fan Motor

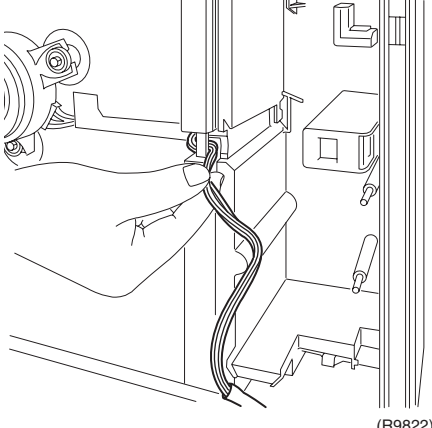
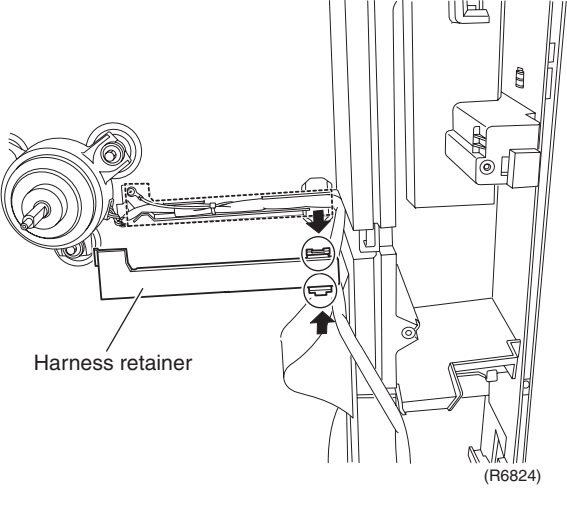
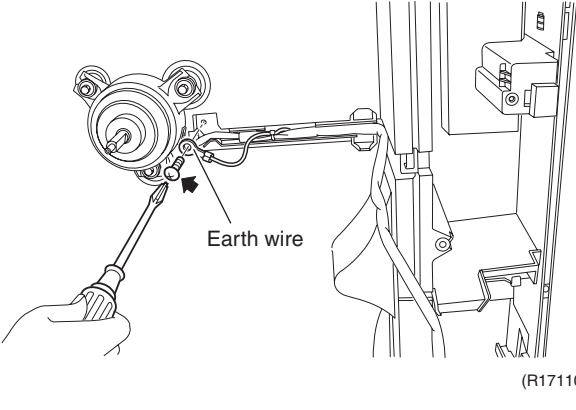
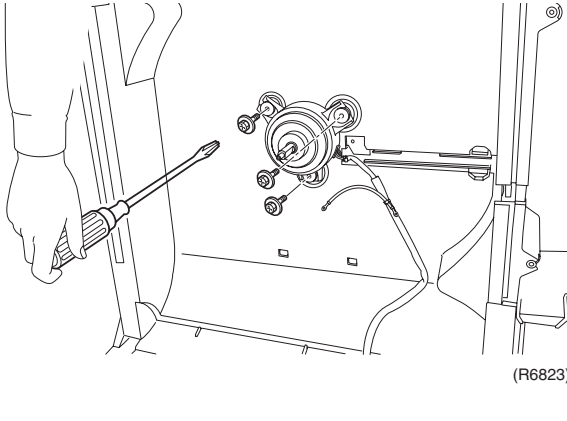
Procedure



Warning

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

Step	Procedure	Points
1. Remove the fan rotor.		
1	Release the wiring from the hook.	
	 <p>(R9743)</p>	
2	Remove the 4 screws and remove the bellmouth.	
	 <p>Bellmouth</p> <p>(R9744)</p>	
3	Remove the nut to remove the fan rotor.	
	 <p>Fan rotor</p> <p>(R9745)</p>	<p>■ Nut size: M6</p>  <p>10 mm</p> <p>(R12236)</p>

Step	Procedure	Points
2.	Remove the fan motor.	
1	<p>Release the harness of the fan motor from the hook.</p>  <p>(R9822)</p>	
2	<p>Unfasten the 2 hooks and remove the harness retainer.</p>  <p>Harness retainer</p> <p>(R6824)</p>	
3	<p>Remove the screw to release the earth wire.</p>  <p>Earth wire</p> <p>(R17110)</p>	
4	<p>Remove the 3 screws and remove the fan motor.</p>  <p>(R6823)</p>	

Revision History

Month / Year	Version	Revised contents
02 / 2013	Si06-962	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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