




REMOVAL PROCEDURE



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

5.0/6.0/7.1 kW Class

-  Indoor Unit
-  Inverter
-  Floor Standing Type



Service Manual Removal Procedure

Indoor Unit

●Heat Pump

FVXS50LVMA

FVXS60LVMA

FVXS71LVMA

FVXS60KVMA

FVXS71KVMA

FVXS50RV1A

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

1. Air Filter / Front Panel / Front Grille

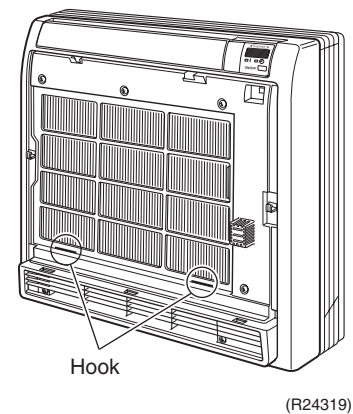
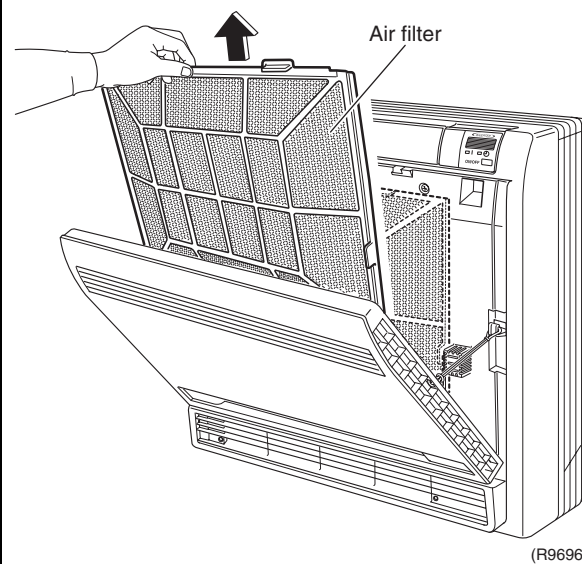
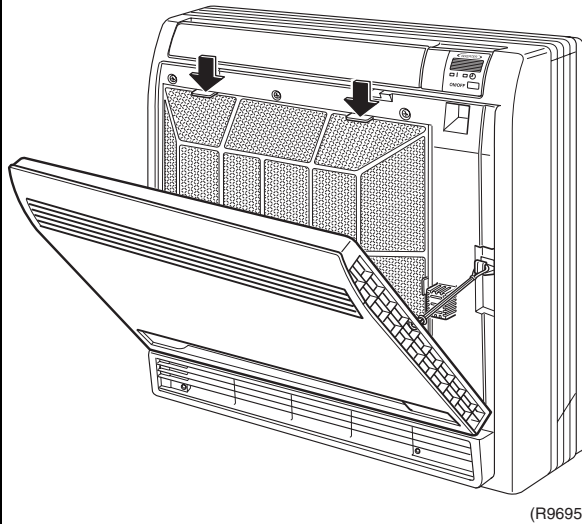
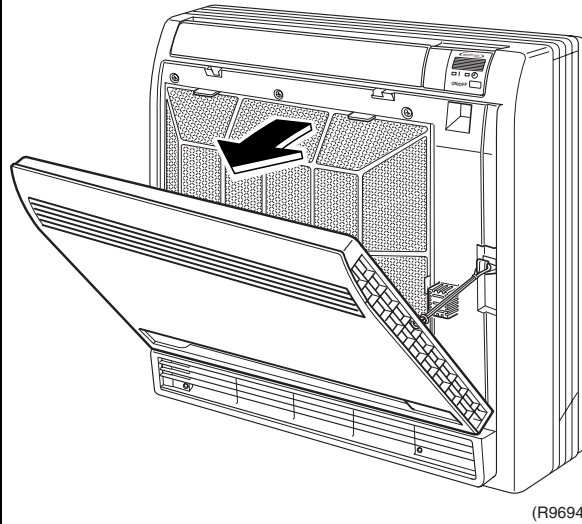


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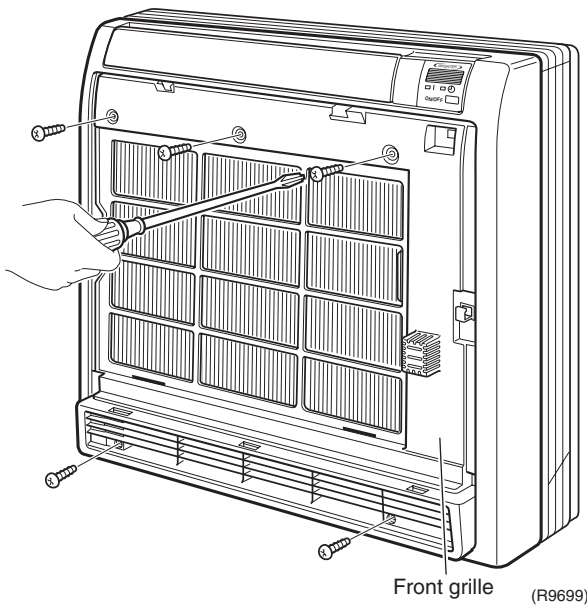
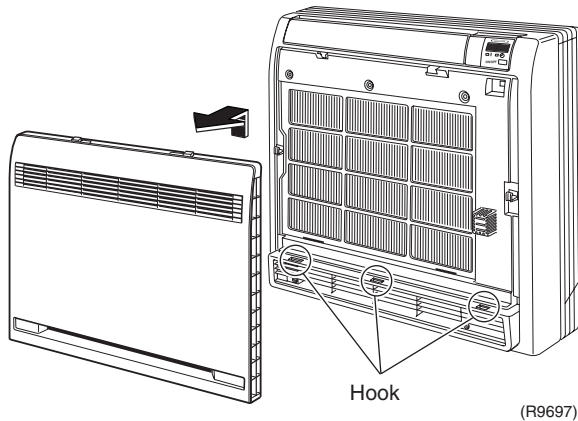
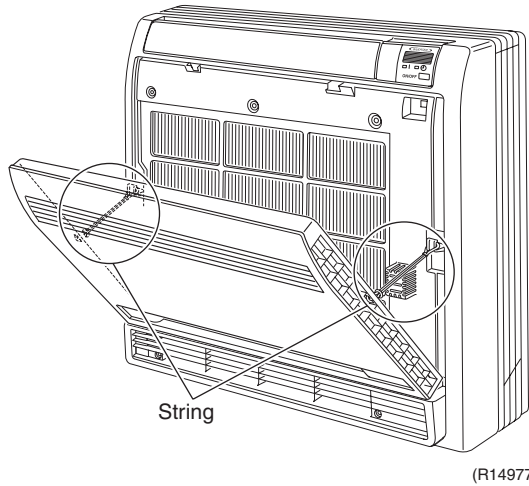
- ◆ Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

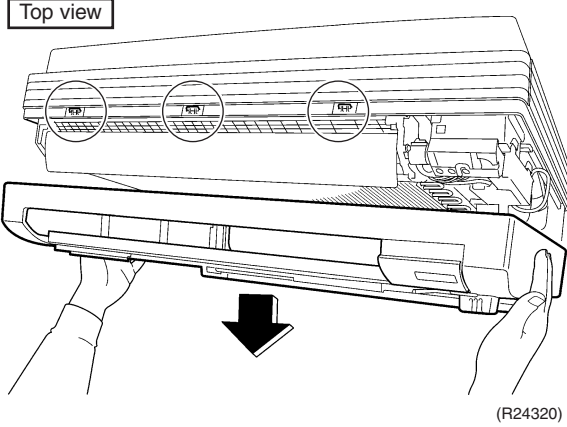
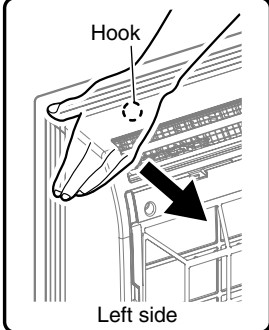
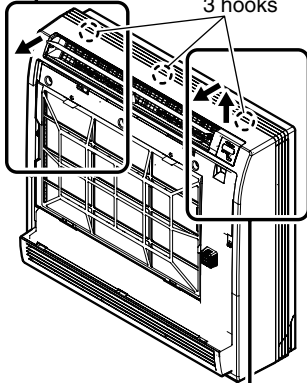
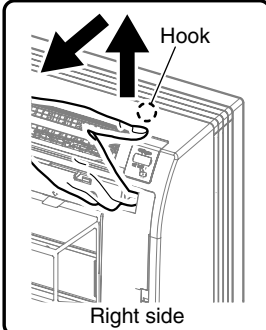
Step	Procedure	Points
1. Features	<p>(R9692)</p> <p>(R24318)</p> <p>Operation lamp Timer lamp Indoor unit ON/OFF button</p>	
2. Remove the front panel.	<p>(R9693)</p> <p>Front panel</p> <p>(R6768)</p>	<p>■ Slide the right and the left hooks toward the center.</p>

Step	Procedure	Points
2	Open the front panel.	
3	Press the 2 hooks on the top of the air filter downward and unfasten them.	
4	Pull the air filter up and remove it.	<ul style="list-style-type: none"> ■ When installing the air filter, make sure the 2 hooks are securely fastened.



Step	Procedure	Points
5	Release the strings from the hooks.	
6	Release the 3 hooks on the bottom of the front panel and remove the front panel.	<ul style="list-style-type: none"> ■ When installing the front panel, make sure the 3 hooks are securely fastened and hitch the string to prevent the front panel from dropping.
7	Remove the 5 screws on the front grille.	



Step	Procedure	Points
8	Pull the front grille and remove it.	<ul style="list-style-type: none"> ■ 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>Top view</p>  <p>(R24320)</p>	 <p>Hook</p> <p>Left side</p>
		 <p>3 hooks</p> <p>(R24399)</p>
		 <p>Hook</p> <p>Right side</p> <p>(R24399)</p>

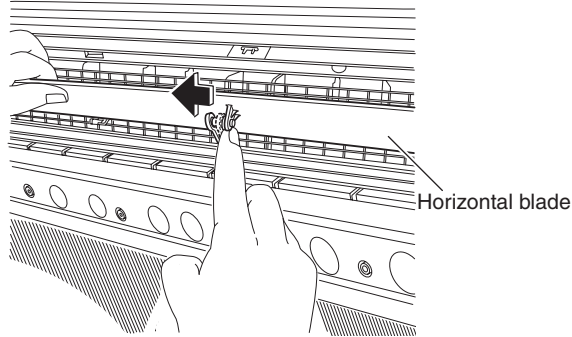
2. Horizontal Blade



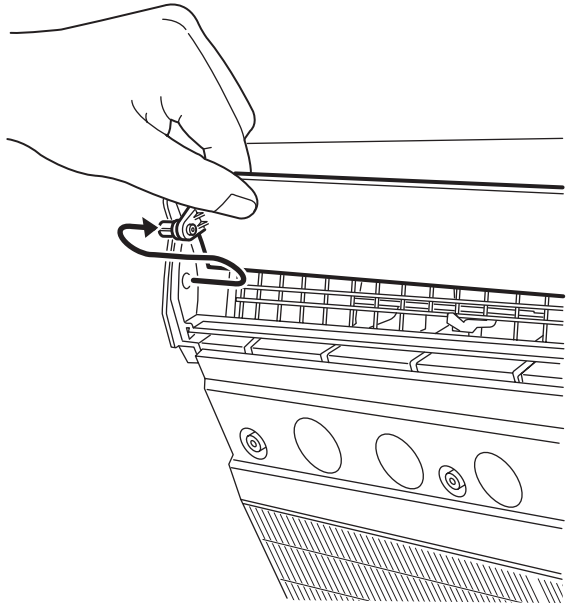
Warning

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

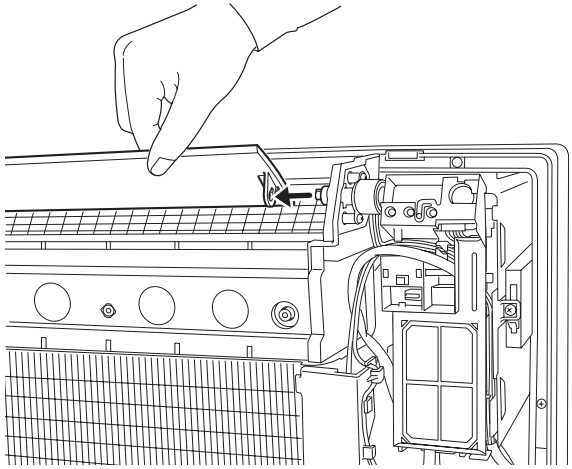
Step	Procedure	Points
1	Open the horizontal blade.	<p>■ Installation procedure</p> <ol style="list-style-type: none"> 1. Fit the right shaft of the horizontal blade first. Make sure to rotate the horizontal blade so the shaft fits in the correct position. 2. Fit the horizontal blade to the center and left shafts.
2	Release the center shaft.	
3	Bend the horizontal blade and release the left shaft, then release the right shaft and remove the horizontal blade.	



(R9702)



(R24321)



(R24322)

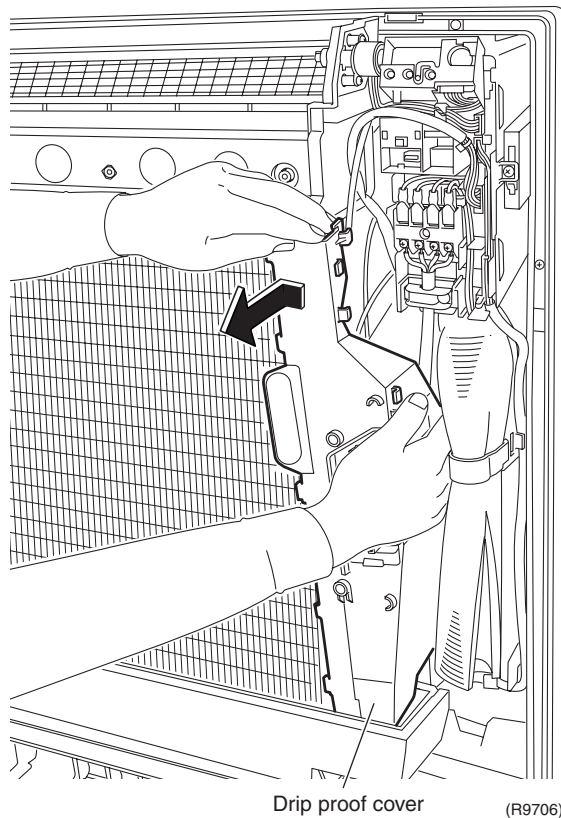
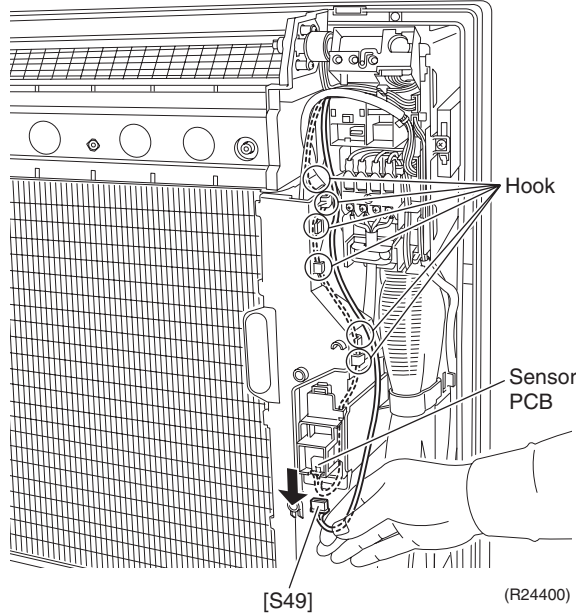
3. Electrical Box

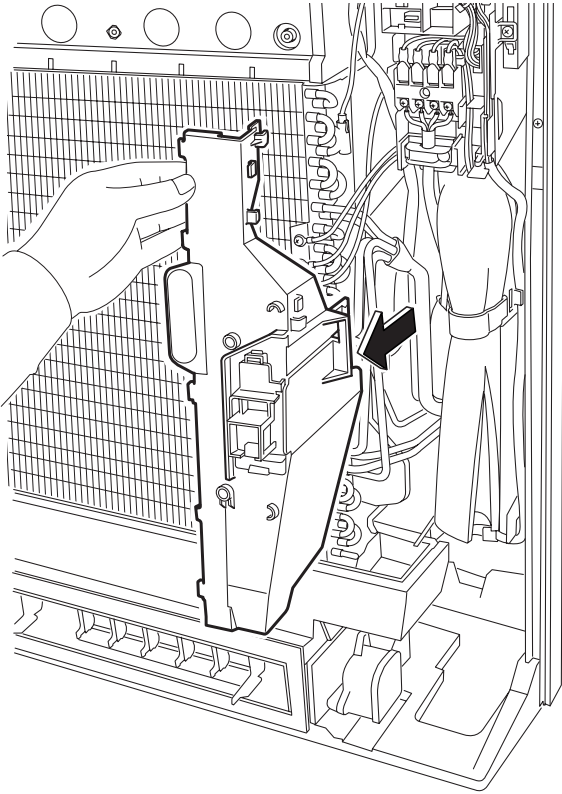
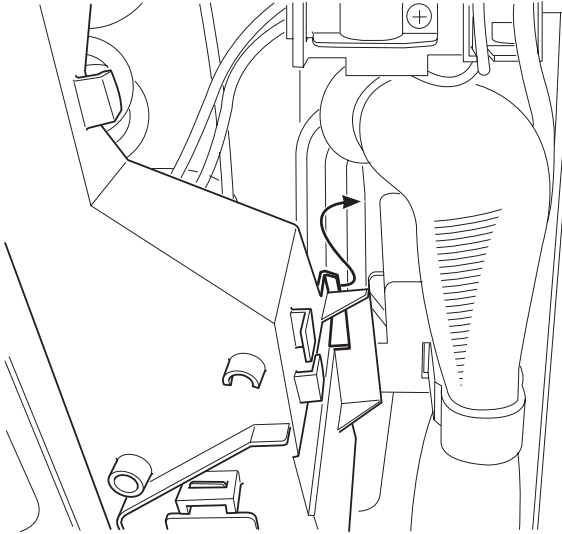
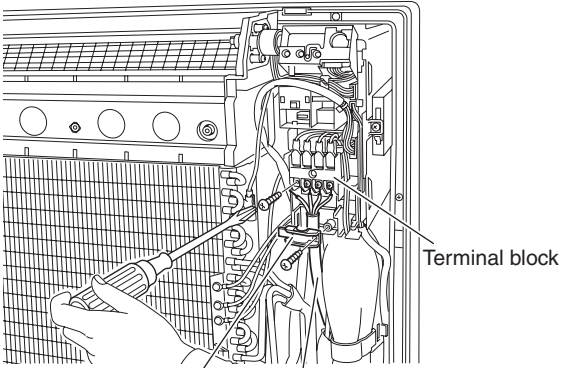


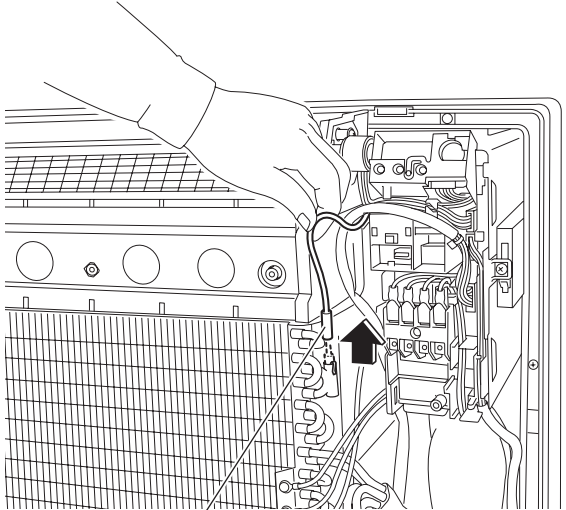
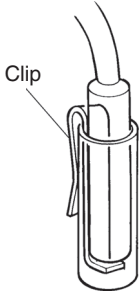
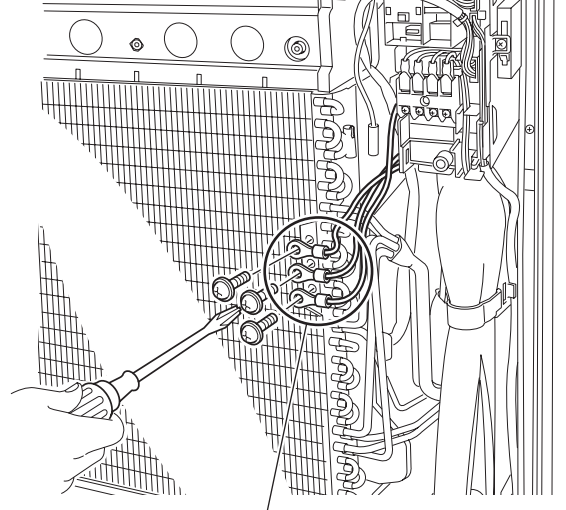
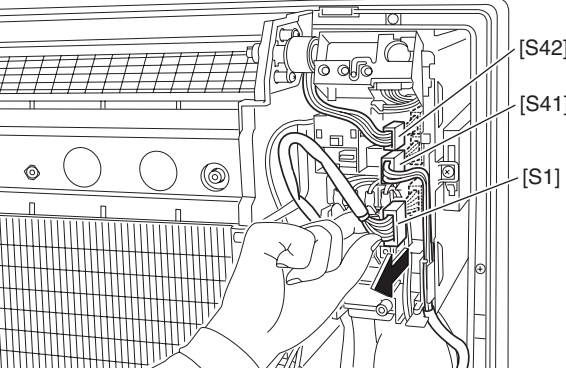
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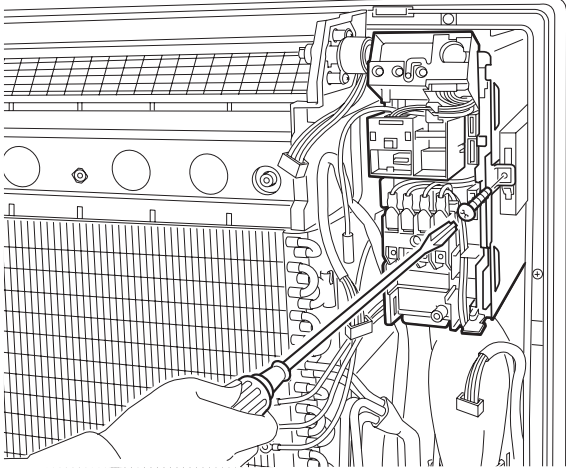
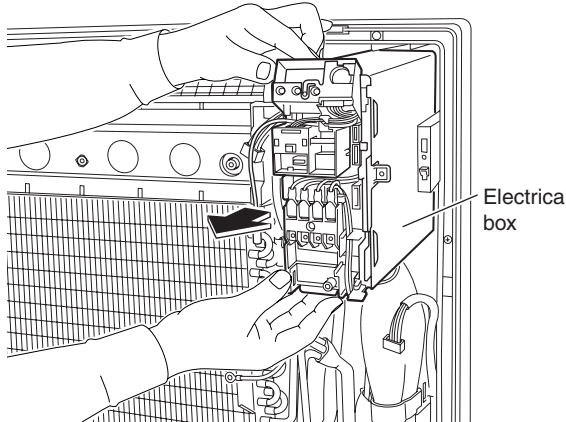
- ◆ Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
1	Disconnect the connector [S49] on the sensor PCB and release the harness from the 6 hooks.	<ul style="list-style-type: none"> ■ Remove the shield plate beforehand. <p>[S49]: control PCB</p>
2	Pull the drip proof cover and remove it.	



Step	Procedure	Points
<p>3 Remove the screw from the wiring fixture, and then the 4 screws from the terminal block.</p> <p>4 Detach the connecting wire.</p>	 <p>(R9708)</p> <p>Detailed view</p>  <p>(R24323)</p>  <p>(R24324)</p>	<p>■ When reassembling, make sure to fit the hook.</p>

Step	Procedure	Points
5	Pull the indoor heat exchanger thermistor out.	<ul style="list-style-type: none"> Be careful not to lose the clip for the thermistor.
	 <p style="text-align: center;">Indoor heat exchanger thermistor (R24401)</p>	 <p style="text-align: right;">(R11268)</p>
6	Remove the 3 screws and release the earth/ground wires.	
	 <p style="text-align: center;">Earth/ground wire (R24325)</p>	
7	Disconnect the connectors [S1] [S41] [S42].	<p>[S1] : fan motor [S41]: lower air outlet motor [S42]: swing motor</p>
	 <p style="text-align: right;">(R9712)</p>	

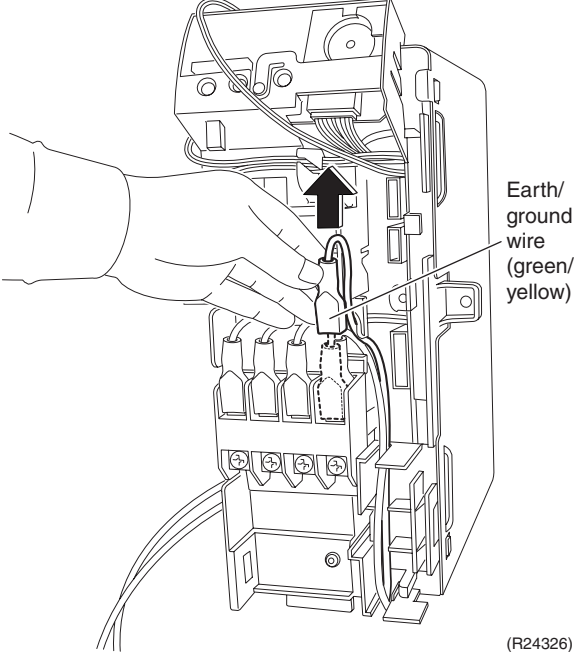
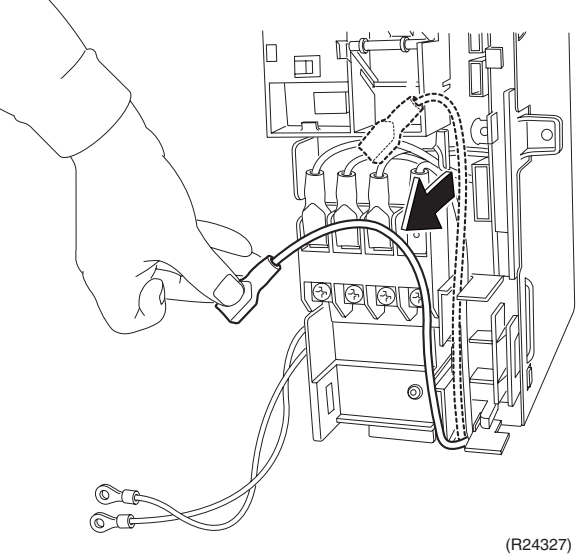
Step	Procedure	Points
8	Remove the screw.	
		
	(R9713)	
9	Pull the electrical box out.	
		
	(R9714)	

4. PCBs

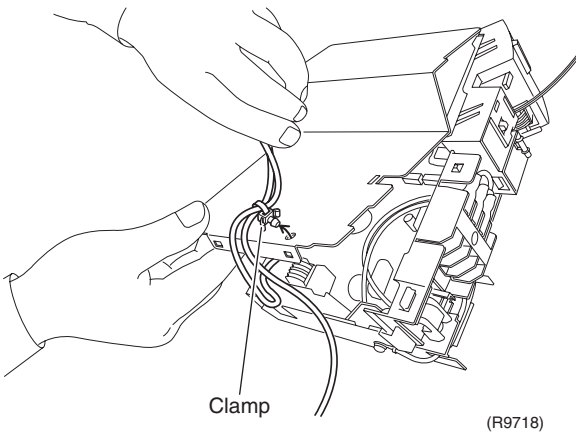
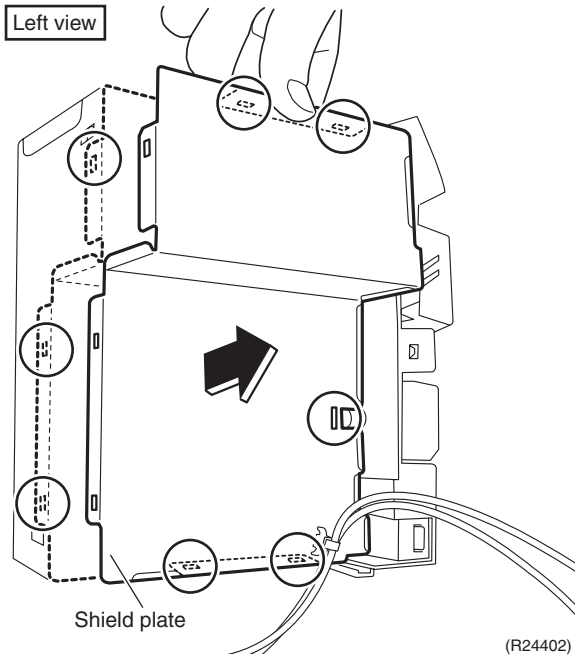


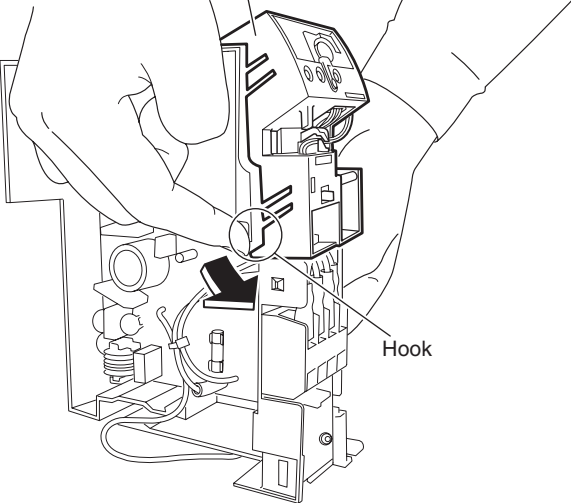
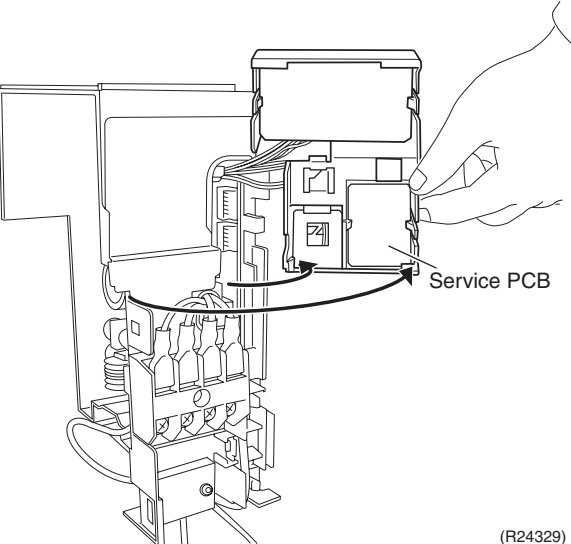
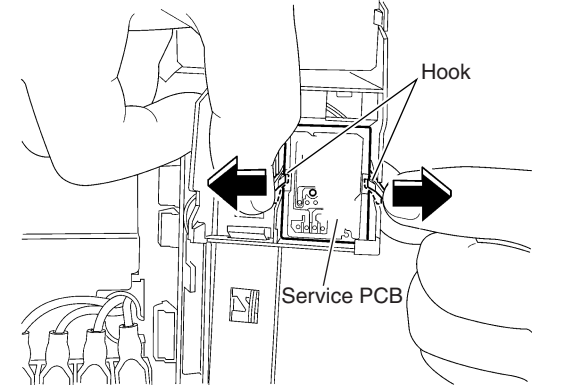
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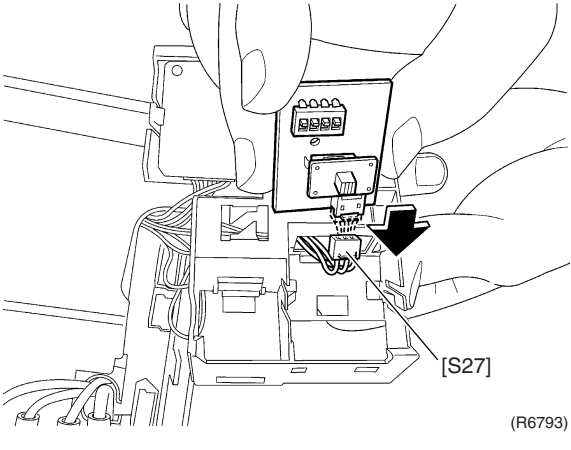
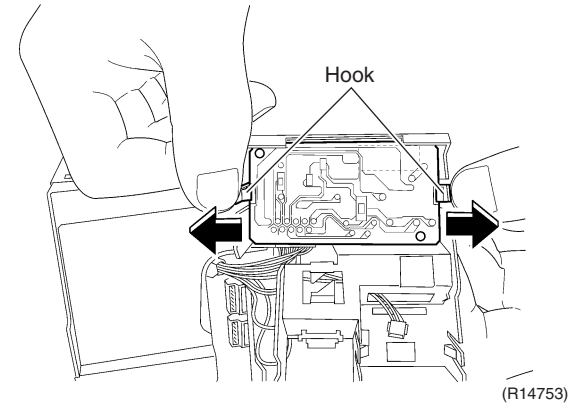
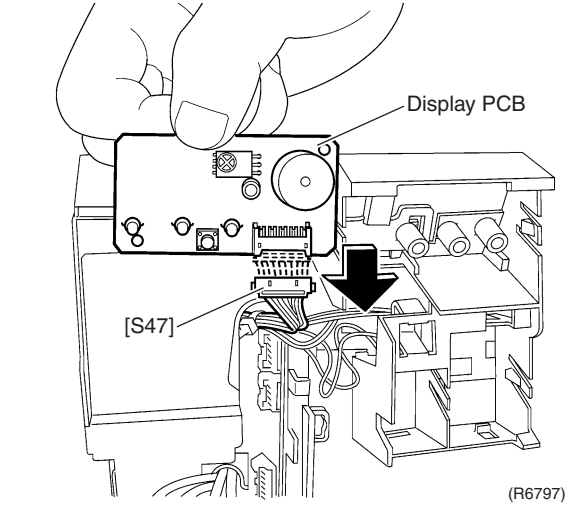
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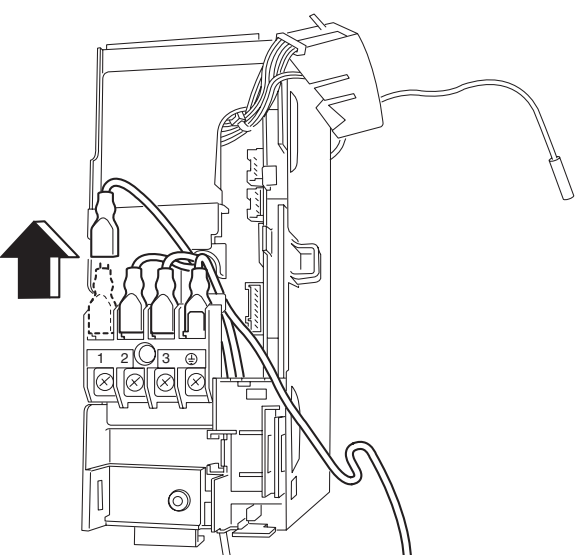
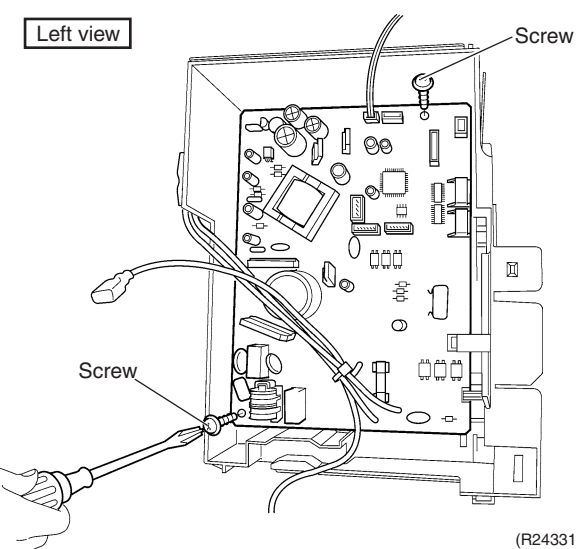
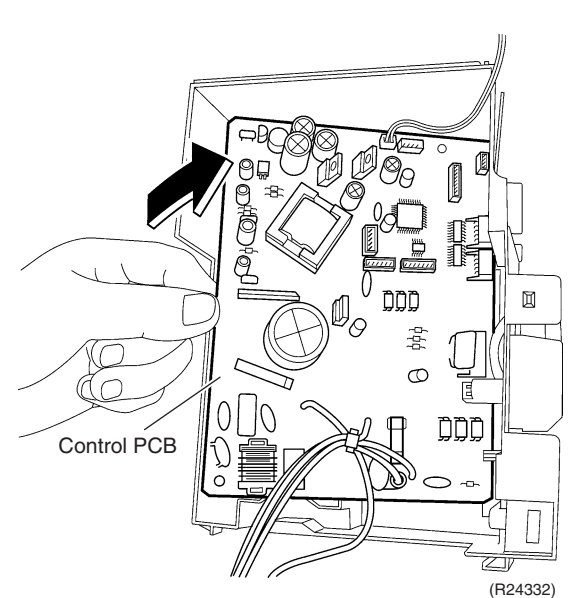
Step	Procedure	Points
1. Remove the shield plate.	 <p>(R24326)</p>	
2 Release the earth/ground wire.	 <p>(R24327)</p>	

Step	Procedure	Points
3	Unfasten the 8 hooks of the shield plate and remove it.	
4	Detach the clamp.	

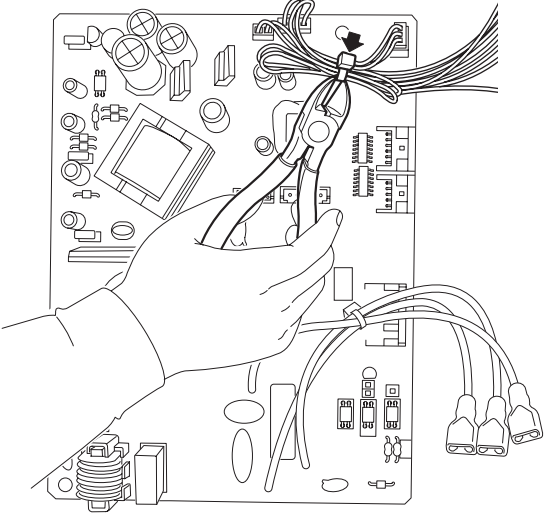


Step	Procedure	Points
2. Remove the service PCB.	<p data-bbox="699 232 815 262">Lamp cover</p>  <p data-bbox="874 595 932 624">Hook</p> <p data-bbox="995 779 1066 801">(R24328)</p>  <p data-bbox="922 1111 1050 1140">Service PCB</p> <p data-bbox="995 1368 1066 1391">(R24329)</p> <p data-bbox="150 1424 467 1485">2 Unfasten the 2 hooks of the service PCB.</p>  <p data-bbox="916 1525 970 1554">Hook</p> <p data-bbox="778 1742 906 1771">Service PCB</p> <p data-bbox="995 1861 1066 1883">(R14983)</p>	<p data-bbox="1091 210 1437 239">■ Unfasten the left hook first.</p>

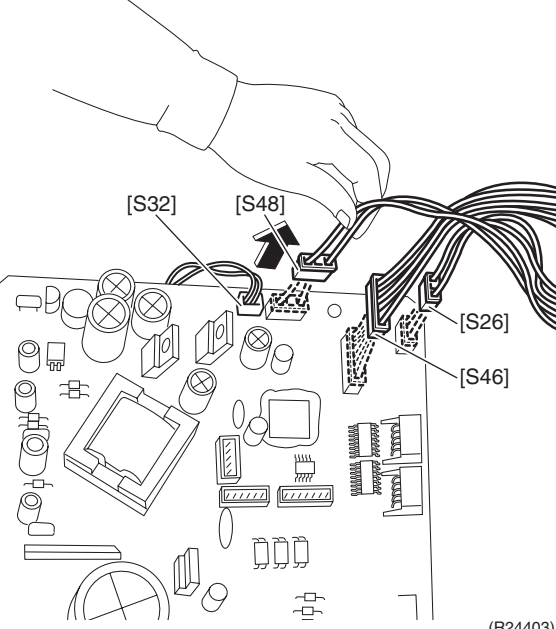
Step	Procedure	Points
3	Disconnect the connector [S27] and remove the service PCB.	[S27]: control PCB
		
3. Remove the display PCB.		
1	Unfasten the 2 hooks of the display PCB.	
		
2	Disconnect the connector [S47] and remove the display PCB.	[S47]: control PCB
		

Step	Procedure	Points
4. Remove the control PCB.	 <p>(R24330)</p>	
2. Remove the 2 screws.	<p>Left view</p>  <p>Screw</p> <p>Screw</p> <p>(R24331)</p>	
3. Remove the control PCB.	 <p>Control PCB</p> <p>(R24332)</p>	

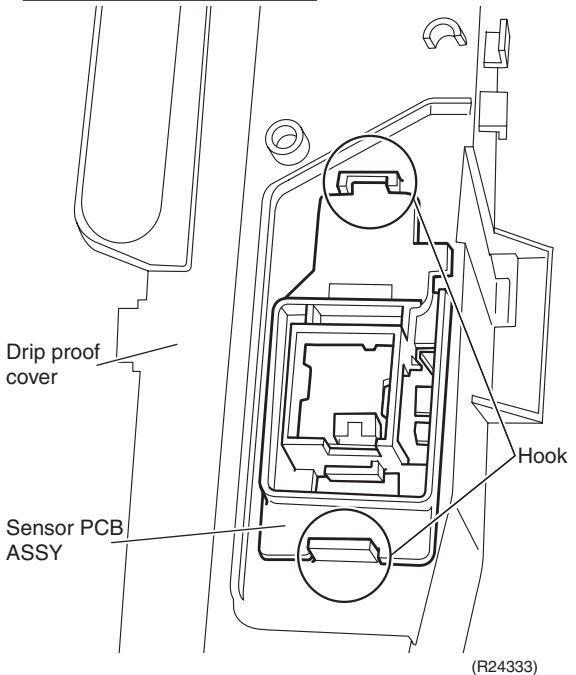
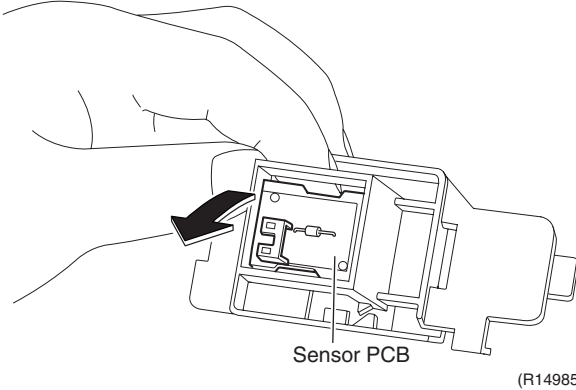
Step	Procedure	Points
4	Cut the clamp.	
5	Disconnect the connectors [S26] [S46] [S48].	[S26]: service PCB [S46]: display PCB [S48]: sensor PCB
6	Disconnect the connector [S32].	[S32]: thermistor



(R9724)



(R24403)

Step	Procedure	Points
5. Remove the sensor PCB.	<p data-bbox="517 226 807 255">Front view of drip proof cover</p>  <p data-bbox="491 595 592 647">Drip proof cover</p> <p data-bbox="491 770 616 822">Sensor PCB ASSY</p> <p data-bbox="1007 696 1062 725">Hook</p> <p data-bbox="963 909 1035 938">(R24333)</p> <p data-bbox="150 943 456 1003">2 Lift up and remove the sensor PCB.</p>  <p data-bbox="783 1308 903 1337">Sensor PCB</p> <p data-bbox="1007 1337 1078 1366">(R14985)</p>	

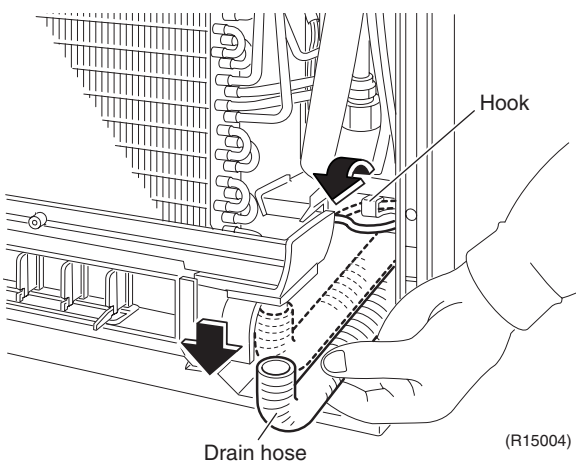
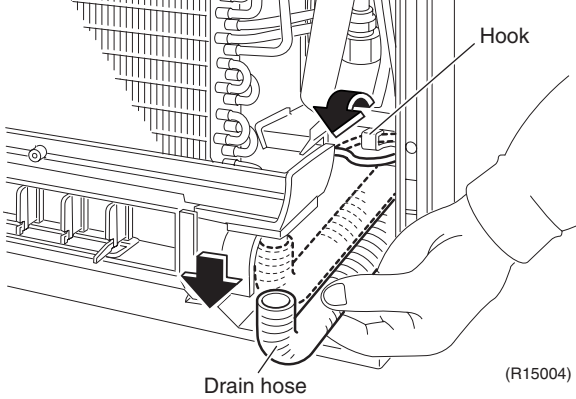
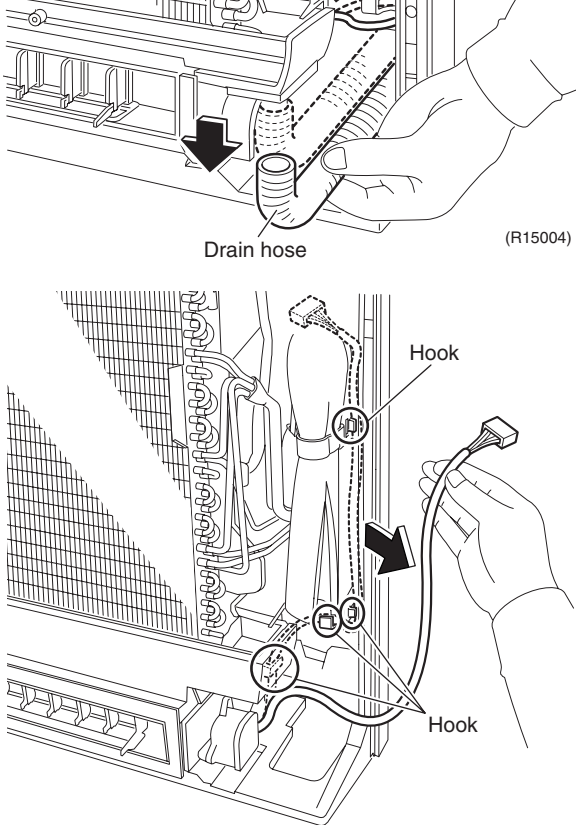
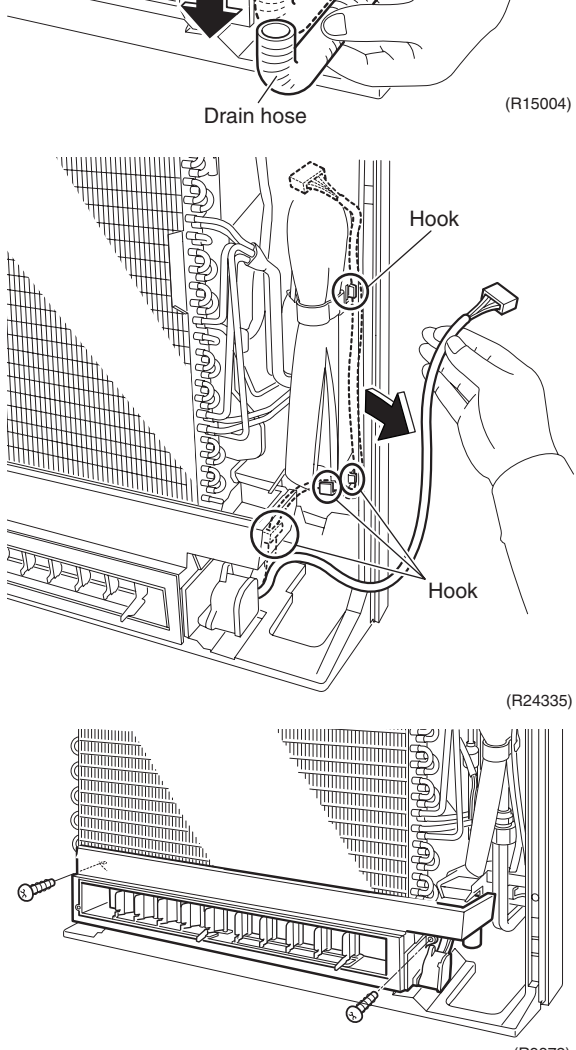
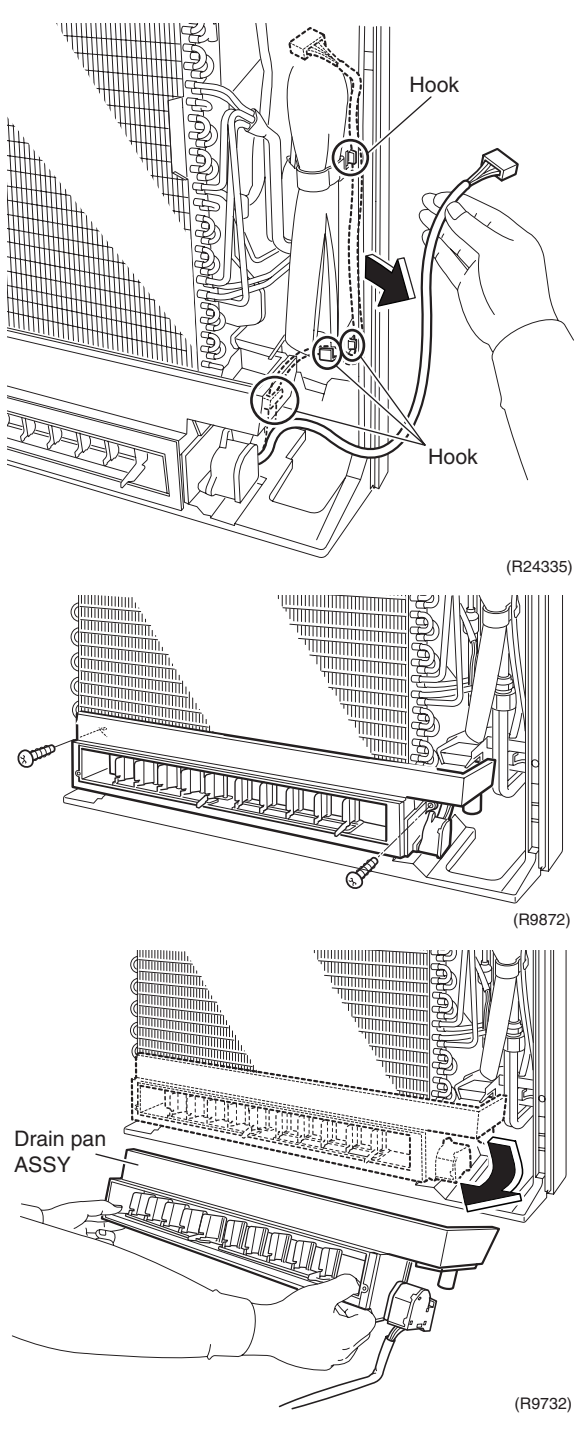
5. Vertical Blades



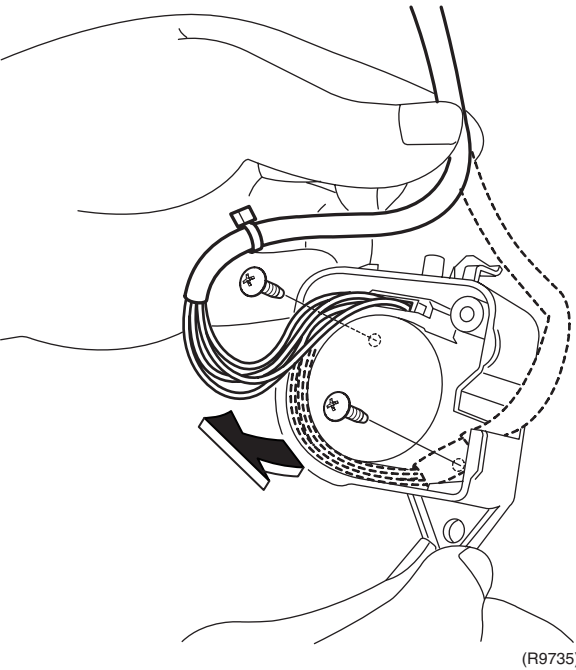
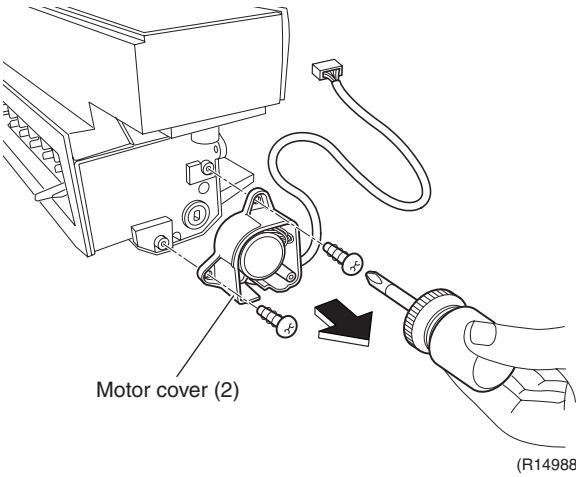
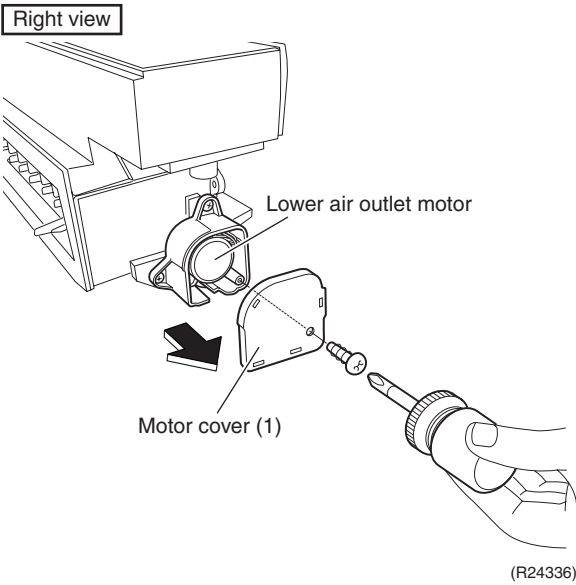
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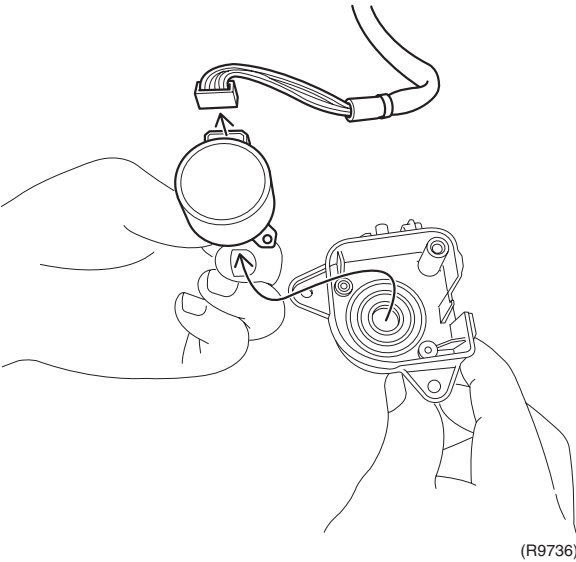
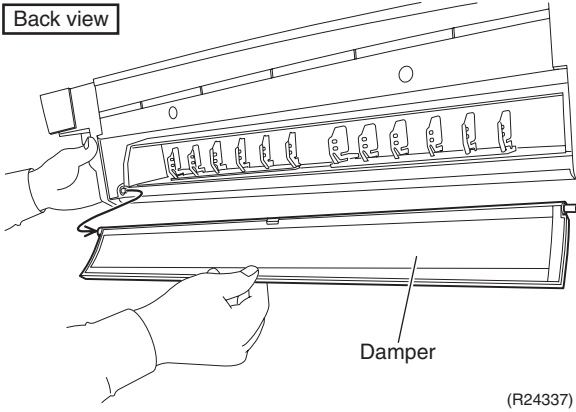
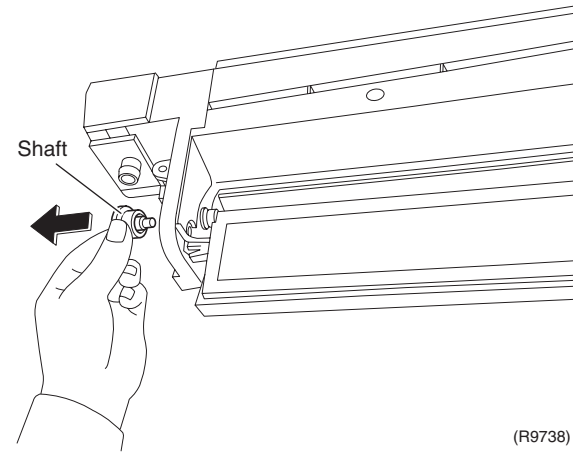
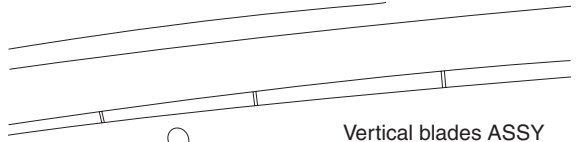
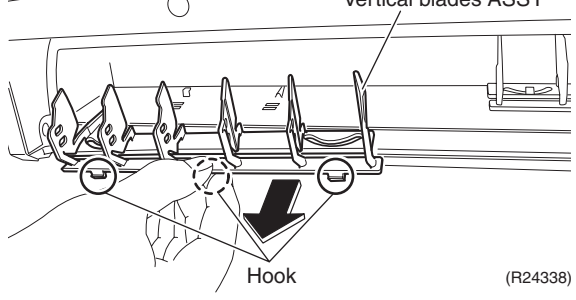
◆ Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
1. Remove the vertical blade (upper).		
1 Remove the 2 screws, and then the air outlet ASSY.	<p data-bbox="501 792 616 819">Right view</p>	
2 Release the wires from the hook and remove the 2 screws.		
3 Remove the swing motor and disconnect the connector.		

Step	Procedure	Points
2. Remove the vertical blade (lower).		<ul style="list-style-type: none"> Place a plastic sheet around the drain pan to prevent wetting the floor with remaining drain.
1. Remove the drain hose and release the harness of the lower air outlet motor from the hook.		
2. Release the harness from the 4 hooks.		
3. Remove the 2 screws.		
4. Pull out the drain pan ASSY.		

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



Step	Procedure	Points
8	Remove the lower air outlet motor and disconnect the connector.	
	 <p>(R9736)</p>	
9	Remove the damper.	
	<p>Back view</p>  <p>Damper</p> <p>(R24337)</p>	
10	Remove the shaft.	
	<p>Shaft</p>  <p>(R9738)</p>	
11	Unfasten the 3 hooks and remove the vertical blades ASSY.	
		
12	Remove the other vertical blades ASSY in the same way.	
	<p>Vertical blades ASSY</p>  <p>Hook</p> <p>(R24338)</p>	

6. Indoor Heat Exchanger



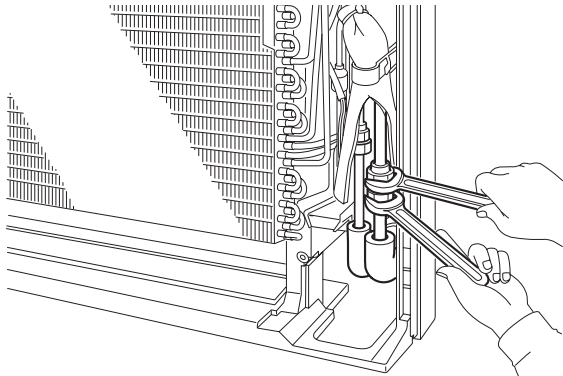
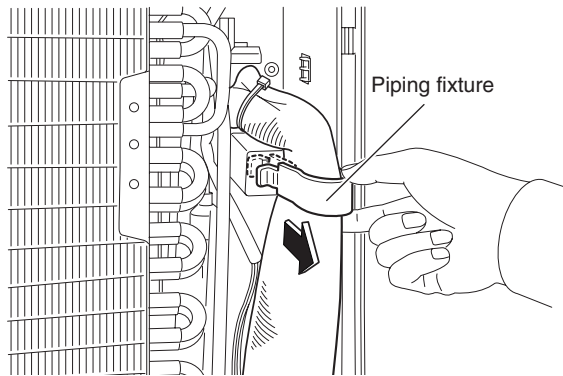
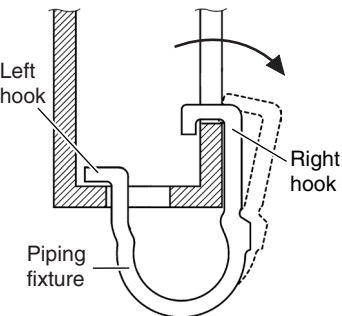
Warning

- ◆ Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- ◆ In pump-down work, be sure to stop the compressor before disconnecting the refrigerant pipe. If the refrigerant pipe is disconnected with the compressor operating and the stop valve open, air may be sucked in and may generate an over-pressure in refrigeration cycle, thus resulting in pipe rupture or accidental injury.
- ◆ When removing or reinstalling the indoor heat exchanger, be sure to wear gloves or wrap the indoor heat exchanger with cloths. (You may be injured by the fins.)

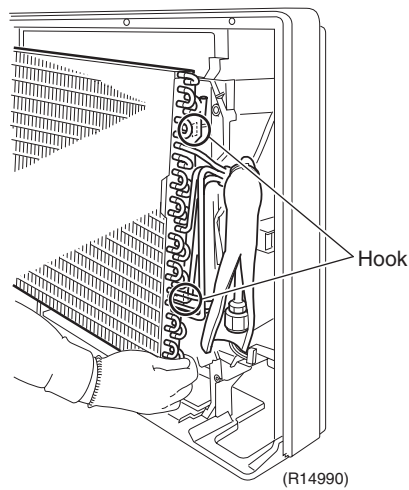
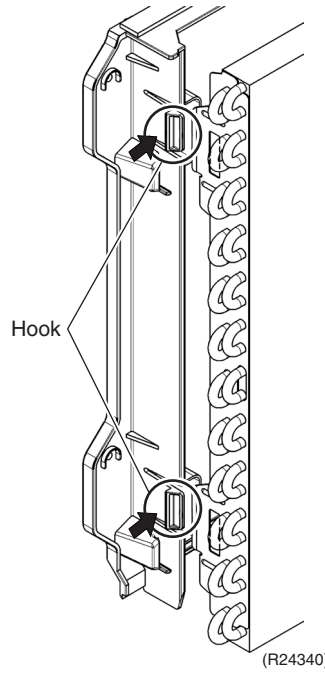


Caution

- ◆ Be sure to conduct pump down operation before disassembling the refrigerant pipe.
- ◆ If the refrigerant leaks, repair the spot of leaking, then collect all refrigerant from the unit. After conducting vacuum drying, recharge proper amount of refrigerant.
- ◆ From the viewpoint of global environmental protection, make sure to use a vacuum pump for air purging.

Step		Procedure	Points
1	Release the flared joint of the liquid pipe and the gas pipe using 2 wrenches.	 <p style="text-align: right;">(R9740)</p>	
2	Remove the piping fixture.	 <p style="text-align: right;">(R24339)</p>	<p>■ Unfasten the right hook first.</p>  <p style="text-align: right;">(R24341)</p>

Step	Procedure	Points
3	Unfasten the 2 hooks on the left side of the indoor heat exchanger.	
4	Unfasten the 2 hooks on the right side and remove the indoor heat exchanger.	



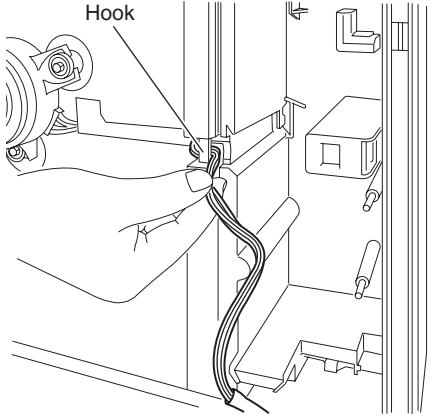
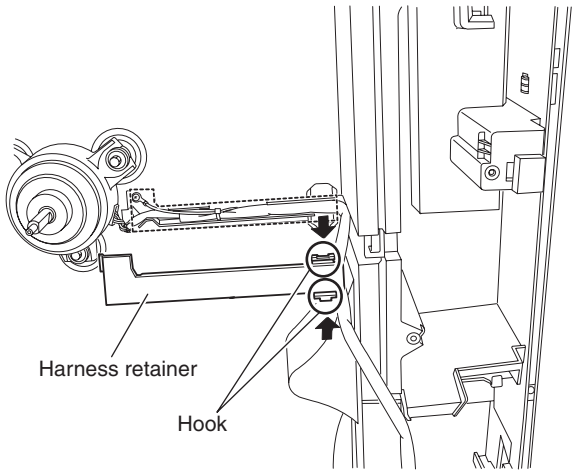
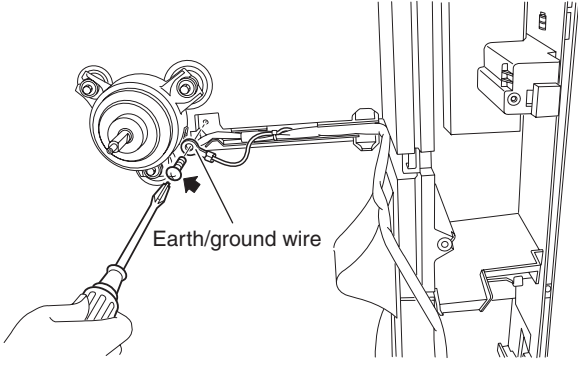
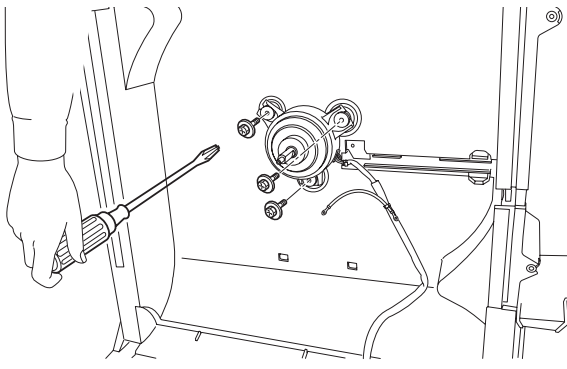
7. Fan Rotor / Fan Motor



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 slit.	<p>(R9743)</p>	
2 Remove the 4 screws, and then the bellmouth.	<p>Bellmouth</p> <p>(R9744)</p>	
3 Remove the nut, and then the fan rotor.	<p>Fan rotor</p> <p>(R9745)</p>	<p>■ Nut size: M6</p> <p>10 mm (0.39 inch)</p> <p>(R18954)</p>

Step	Procedure	Points
2. Remove the fan motor.		
1	Release the harness of the fan motor from the hook.	 <p>(R24342)</p>
2	Unfasten the 2 hooks and remove the harness retainer.	 <p>(R24343)</p>
3	Remove the screw, and then release the earth/ground wire.	 <p>(R24344)</p>
4	Remove the 3 screws, and then the fan motor.	 <p>(R6823)</p>

Revision History

Month / Year	Version	Revised contents
08 / 2012	Si061152	First edition
12 / 2016	Si061152EA	Model addition: FVXS50RV1A

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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