



Si061262EE




REMOVAL PROCEDURE



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

2.5/3.5/4.5/5.0 kW Class

9000/12000/15000/18000 Btu/h Class

-  Indoor Unit
-  Inverter
-  Floor Standing Type



Service Manual Removal Procedure

Indoor Unit

●Heat Pump

**FVXS25FV1B
FVXS35FV1B
FVXS50FV1B**

**FVXS25KV1A
FVXS35KV1A
FVXS45LV1A
FVXS50KV1A**

**FVXS25RV1A
FVXS35RV1A
FVXS45RV1A**

**FVXS09NVJU
FVXS12NVJU
FVXS15NVJU
FVXS18NVJU**

Table of Contents

1. Air Filters / Front Panel / Front Grille.....	2
2. Horizontal Blade.....	5
3. Electrical Box	6
4. PCBs.....	9
5. Vertical Blade ASSYs.....	13
6. Indoor Heat Exchanger	16
7. Fan Rotor / Fan Motor.....	17



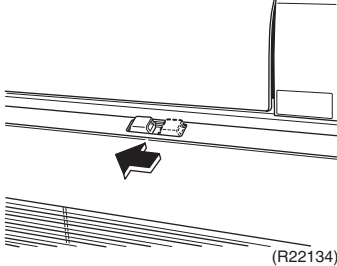
Note: ♦ The illustrations may be slightly different depending on the model.

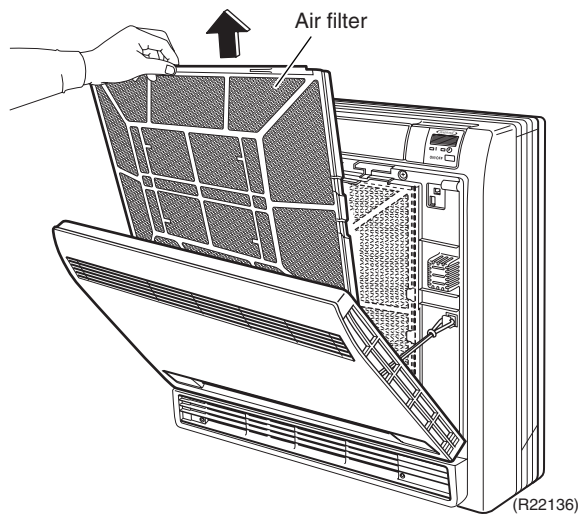
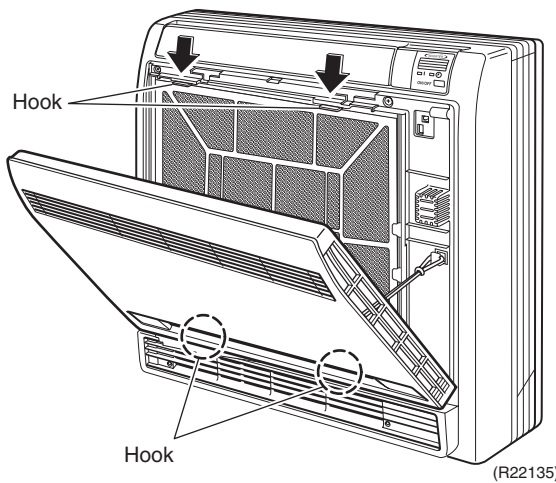
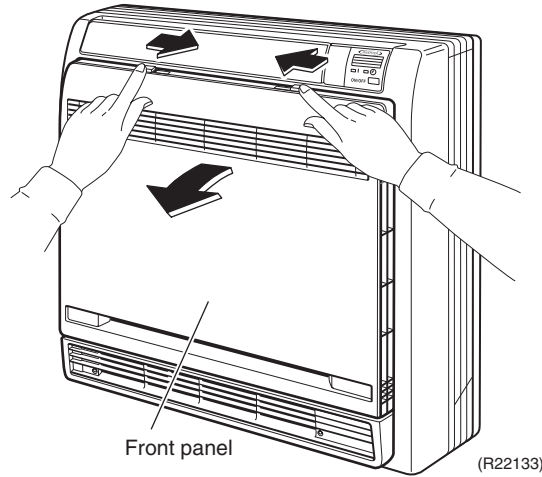
1. Air Filters / Front Panel / Front Grille

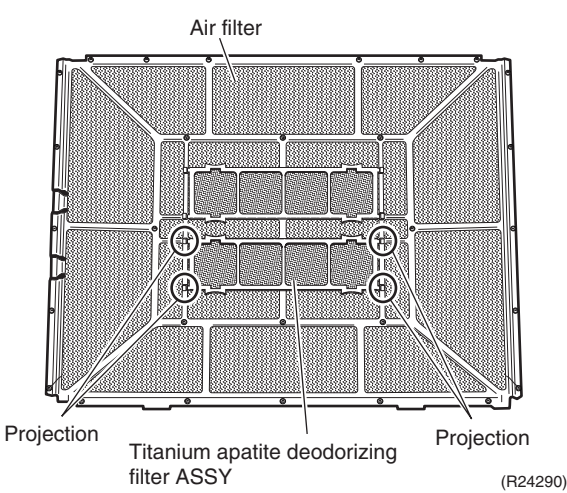
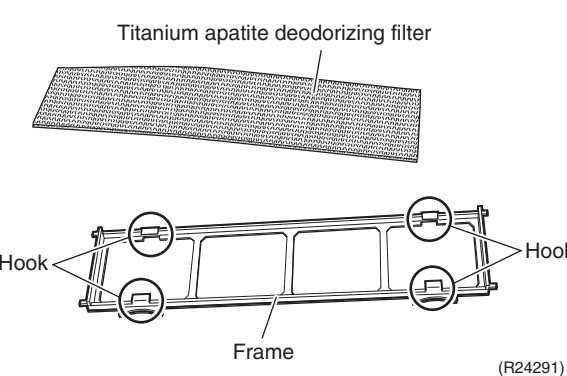
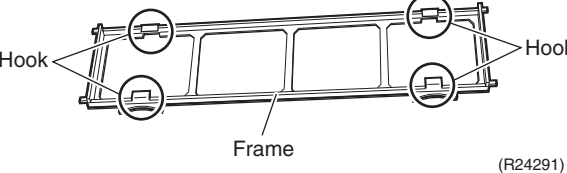
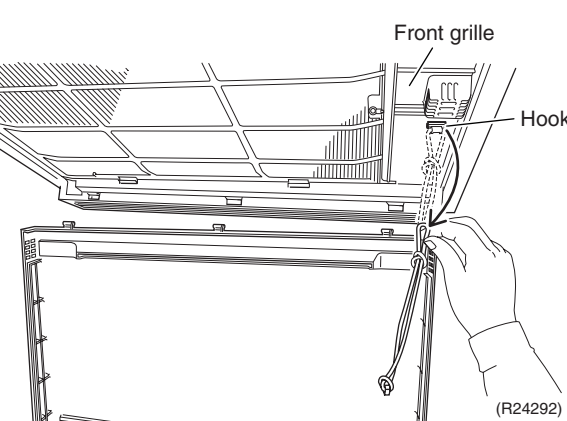
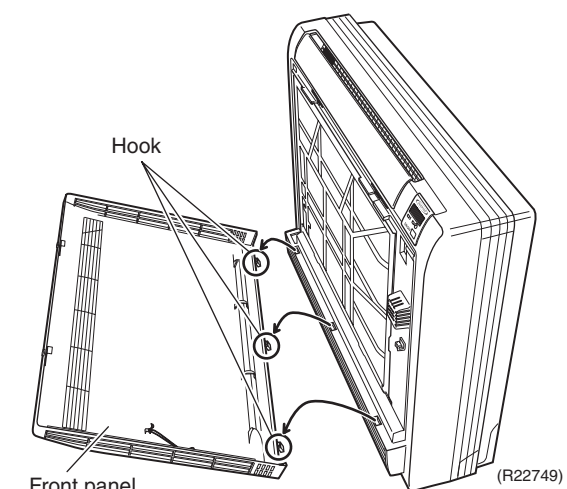


Warning

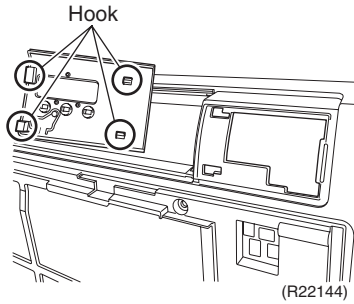
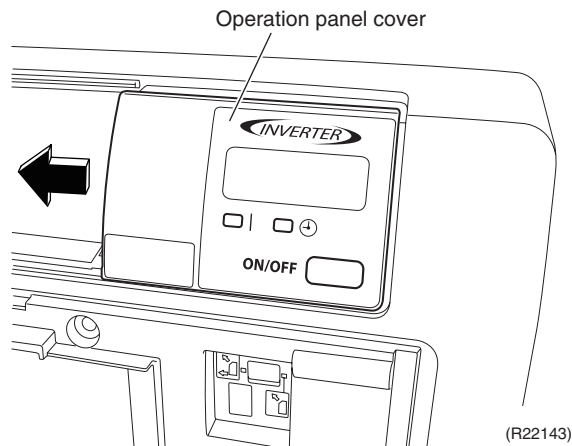
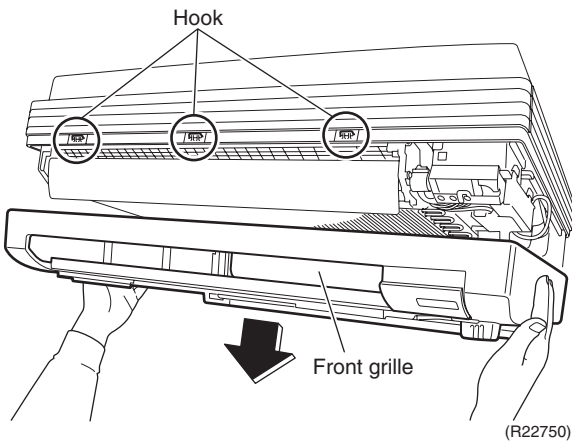
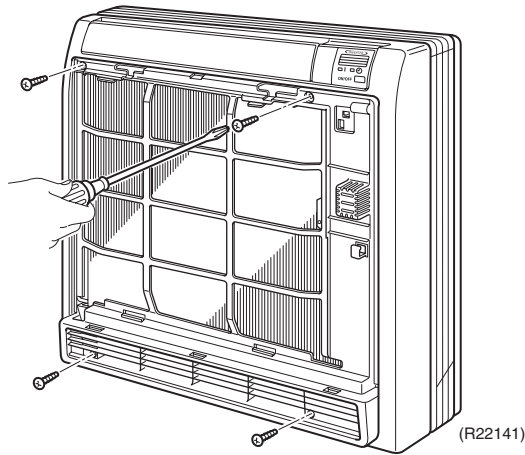
◆ Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
1	Unfasten the 2 hooks on the top and open the front panel.	 <p>(R22134)</p>
2	Unfasten the 2 upper hooks of the air filter.	<ul style="list-style-type: none"> ■ Slide the right and the left hooks toward the center to unfasten them. ■ When installing the air filter, make sure the 4 hooks are securely fastened.
3	Pull the air filter up and remove it.	



Step	Procedure	Points	
4	Release the 4 projections and remove the Titanium apatite deodorizing filter ASSY from the air filter.		
5	Release the 4 hooks and remove the Titanium apatite deodorizing filter from the frame.		
6	Remove the other Titanium apatite deodorizing filter ASSY in the same way.		
7	Release the string from the hook.		
8	Release the 3 hooks of the bottom of the front panel and remove the front panel.		<p>■ When installing the front panel, catch the 3 hooks of the front grille and hitch the string to prevent the front panel from dropping.</p>

Step	Procedure	Points
9	Remove the 4 screws from the front grille.	
10	Pull the front grille to remove.	<ul style="list-style-type: none"> ■ There are 3 hooks on the top of the main unit.
11	Slide the operation panel cover to the left and remove it.	<ul style="list-style-type: none"> ■ When reassembling, make sure that all the 4 hooks at the back are fastened.



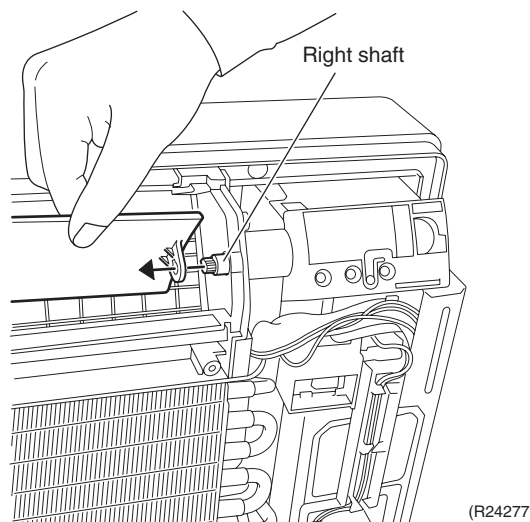
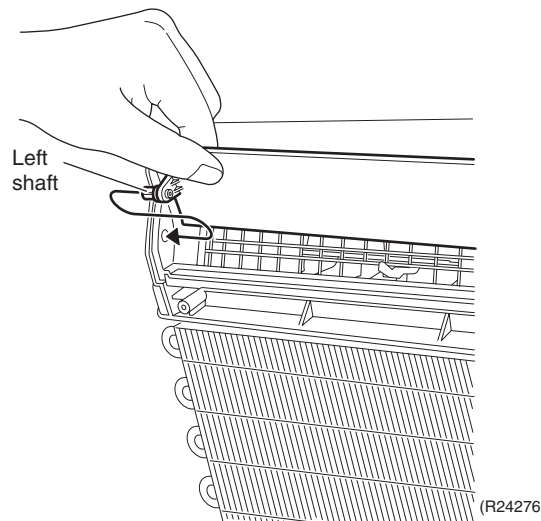
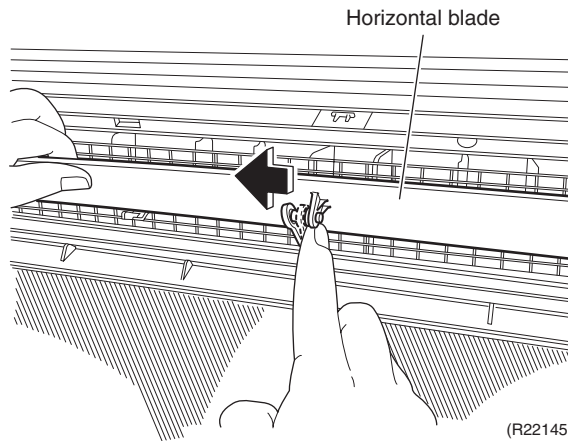
2. Horizontal Blade



Warning

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



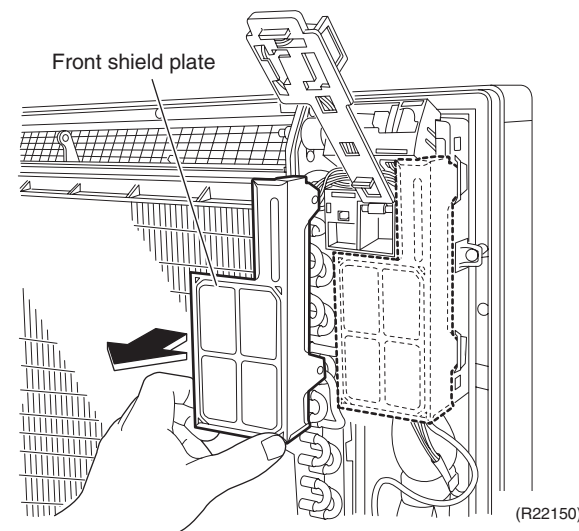
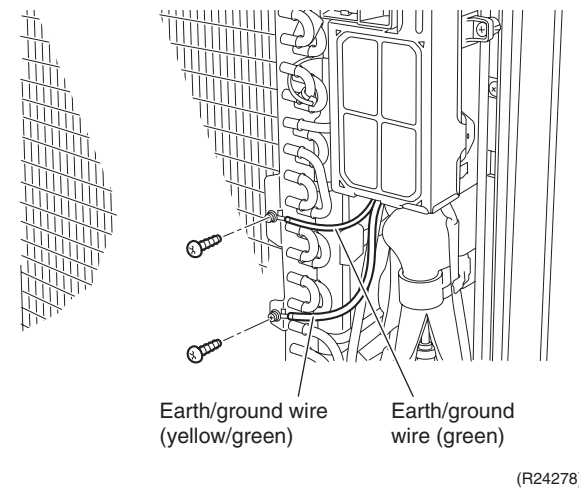
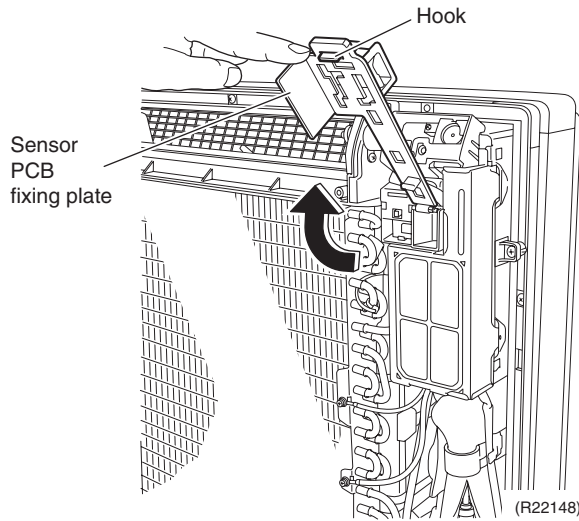
3. Electrical Box

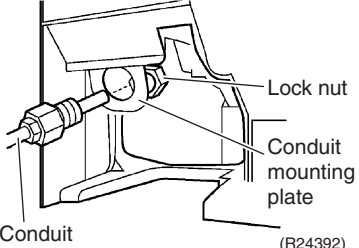
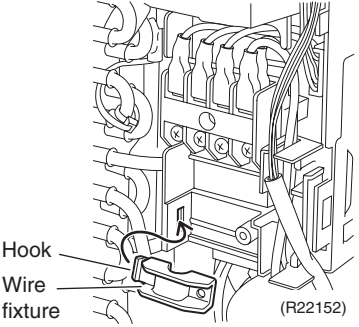
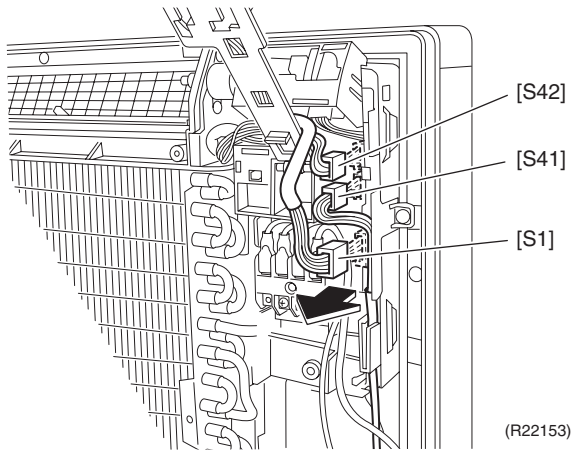


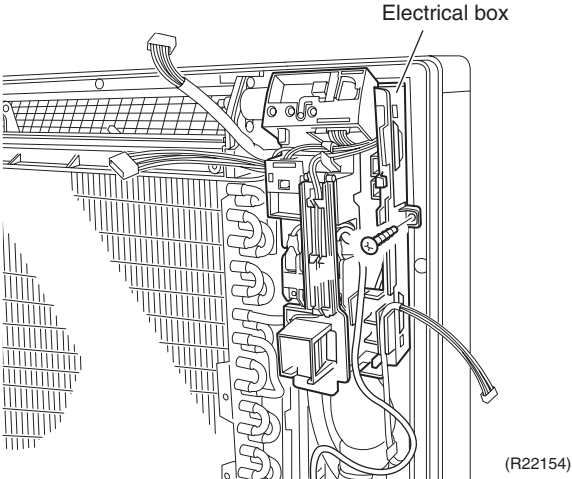
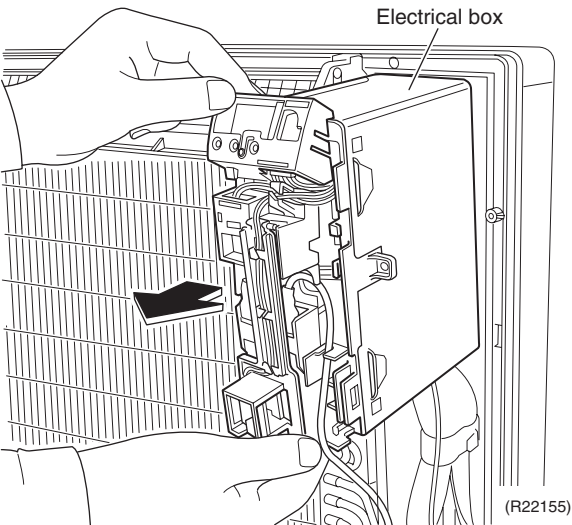
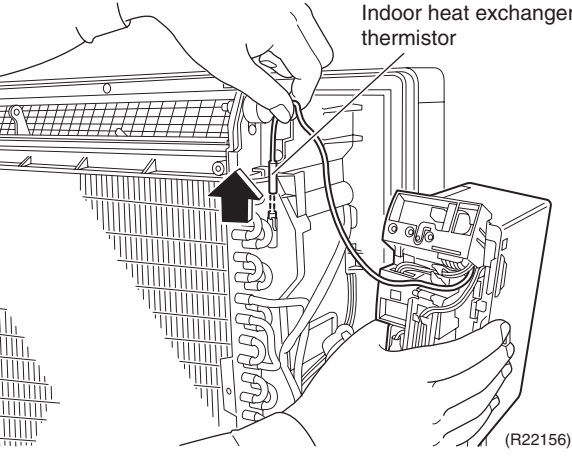
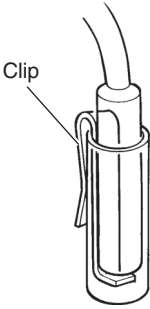
Warning

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

Step	Procedure	Points
1	Unfasten the hook and lift the sensor PCB fixing plate.	
2	Remove the 2 screws and detach the earth/ground wires.	
3	Remove the front shield plate.	



Step	Procedure	Points
4	Remove the screw, unfasten the hook and remove the wire fixture.	<p>For U.S. models</p> <ul style="list-style-type: none"> When reassembling, make sure that the connecting wire is passed through the conduit hole at the bottom of the unit.
5	Remove the 4 screws from the terminal board and remove the connecting wire.	<p>Back view</p>  <ul style="list-style-type: none"> When reassembling, make sure to fasten the hook before tightening the screw of the wire fixture. 
6	Disconnect the connectors [S1], [S41] and [S42].	 <p>[S1]: fan motor [S41]: lower air outlet motor [S42]: swing motor</p>

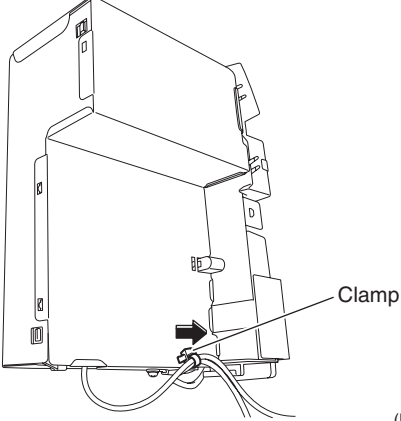
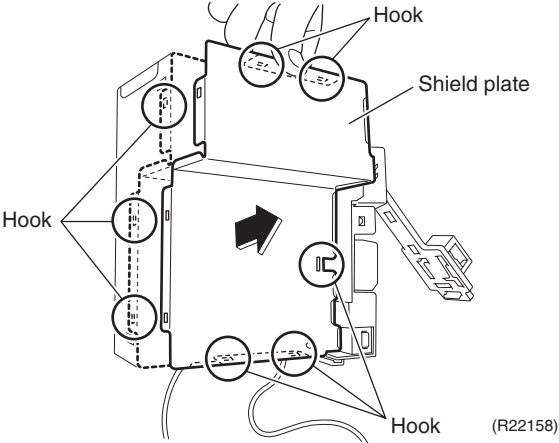
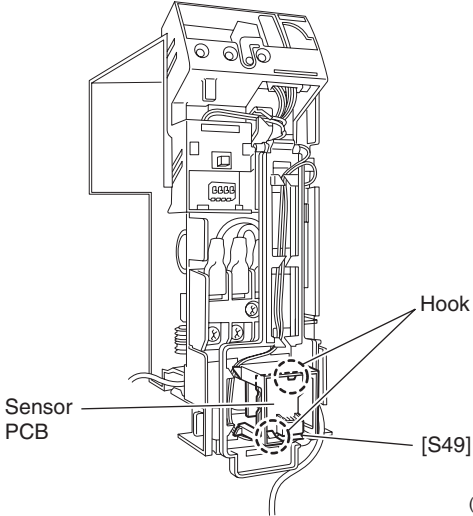
Step	Procedure	Points
7	Remove the screw of the electrical box.	
		
8	Pull out the electrical box.	
		
9	Pull out the indoor heat exchanger thermistor.	
		<p>■ Be careful not to lose the clip of the thermistor.</p> 

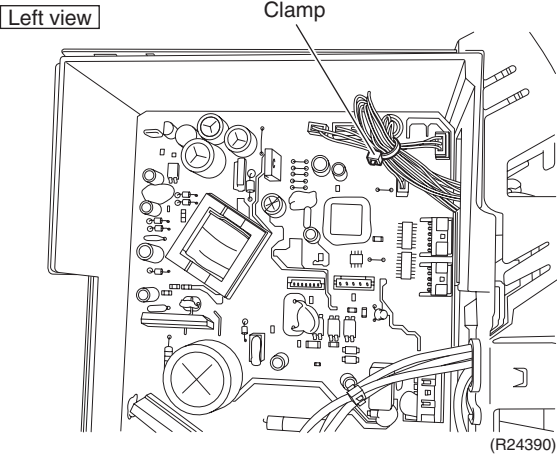
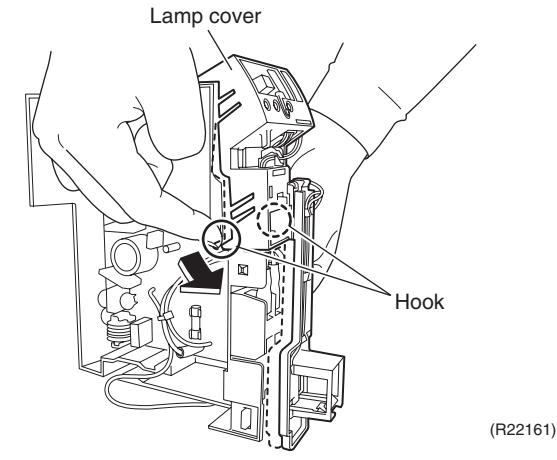
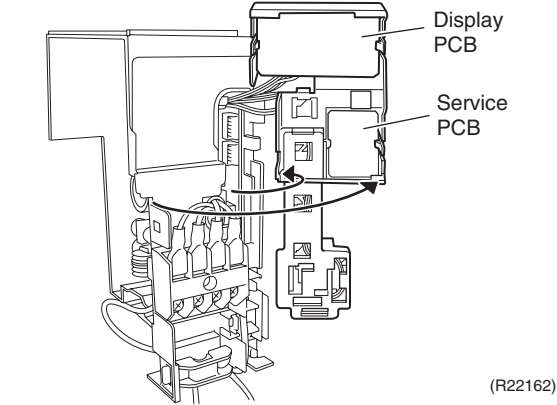
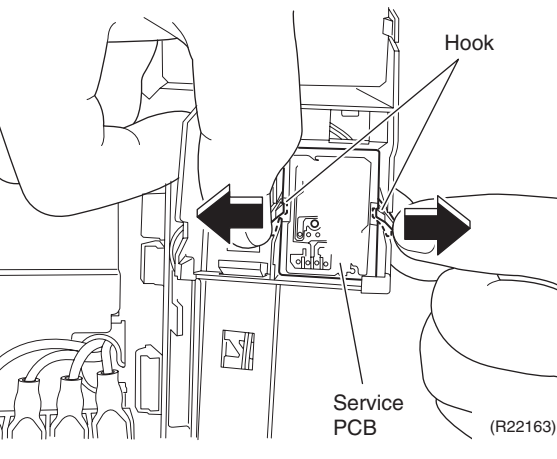
4. PCBs

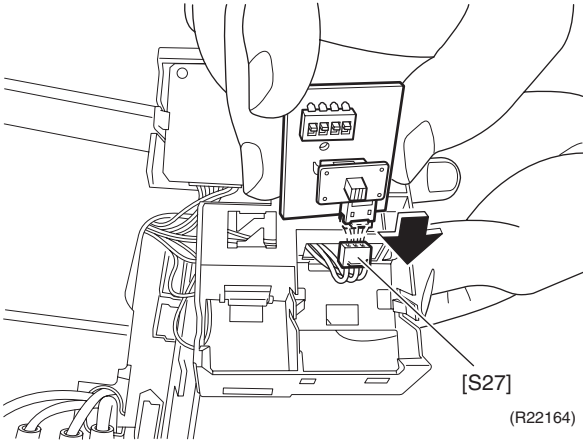
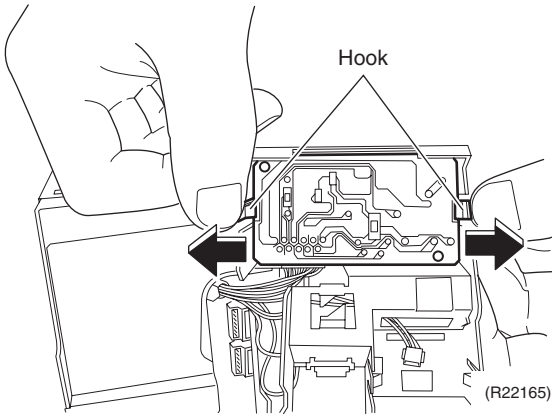
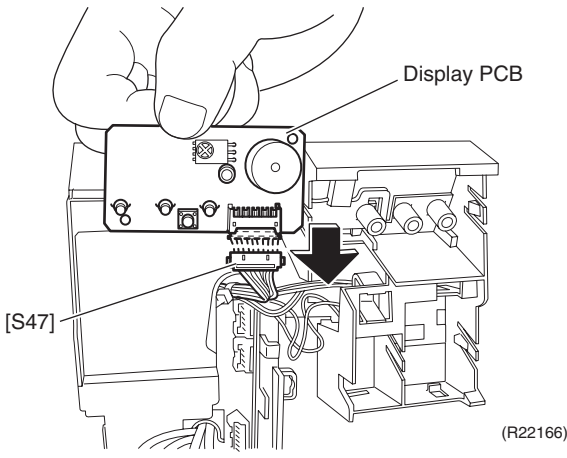
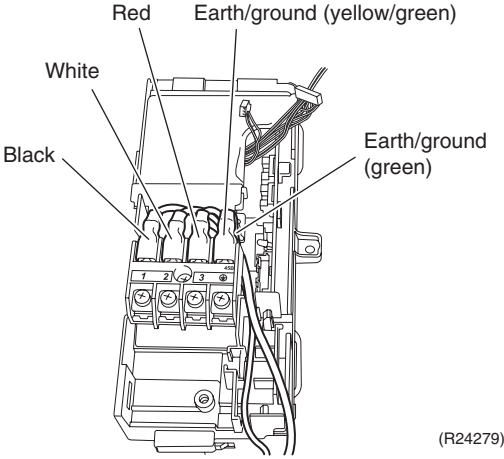


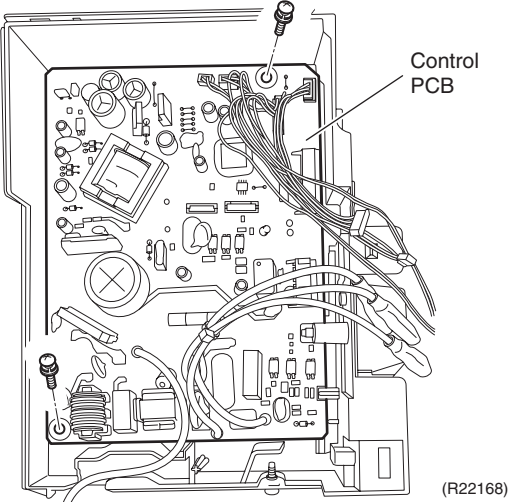
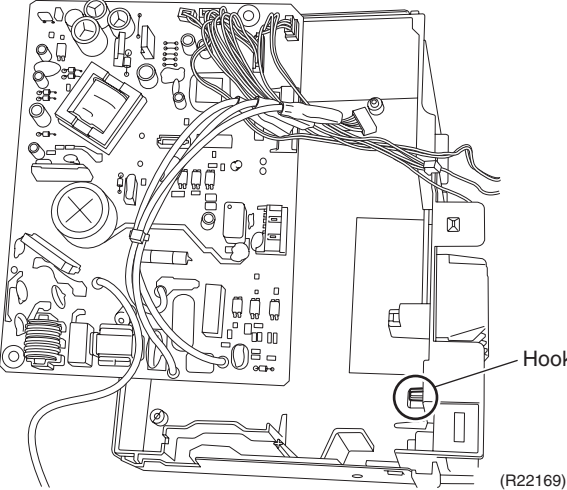
Warning

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Step	Procedure	Points
<p>1. Remove the shield plate.</p> <p>1 Pull out the clamp for the earth/ground wires.</p> <p>2 Unfasten the 8 hooks and remove the shield plate.</p>	<p>Left view</p>  <p>Clamp</p> <p>(R24389)</p>  <p>Hook</p> <p>Shield plate</p> <p>Hook</p> <p>Hook</p> <p>Hook</p> <p>Hook</p> <p>Hook</p> <p>Hook</p> <p>Hook</p> <p>(R22158)</p>	
<p>2. Remove the sensor PCB.</p> <p>1 Unfasten the 2 hooks of the sensor PCB.</p> <p>2 Disconnect the connector [S49] and remove the sensor PCB.</p>	 <p>Hook</p> <p>Sensor PCB</p> <p>[S49]</p> <p>(R22159)</p>	<p>[S49]: control PCB</p>

Step	Procedure	Points
3. Remove the service PCB.	<p>1 Cut the clamp.</p>  <p>Left view</p> <p>Clamp</p> <p>(R24390)</p>	<p>■ Unfasten the left hook first.</p>
2 Unfasten the 2 hooks and open the lamp cover.	 <p>Lamp cover</p> <p>Hook</p> <p>(R22161)</p>	
3 Unfasten the 2 hooks of the service PCB.	 <p>Display PCB</p> <p>Service PCB</p> <p>(R22162)</p>	
3 Unfasten the 2 hooks of the service PCB.	 <p>Hook</p> <p>Service PCB</p> <p>(R22163)</p>	

Step	Procedure	Points
4	Disconnect the connector [S27] and remove the service PCB.	[S27]: control PCB
<p>4. Remove the display PCB.</p> <p>1</p> <p>2</p>	<p>Unfasten the 2 hooks of the display PCB.</p> <p>Disconnect the connector [S47] and remove the display PCB.</p>   	[S47]: control PCB
<p>5. Remove the control PCB.</p> <p>1</p>	<p>Disconnect all the 5 terminals.</p> 	

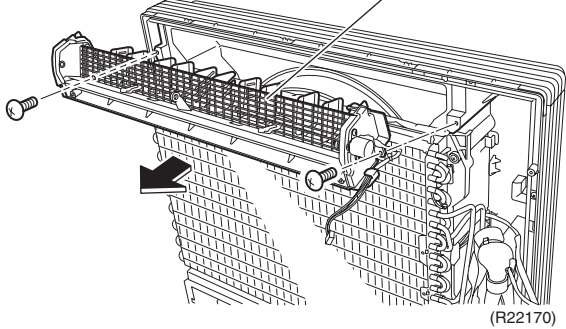
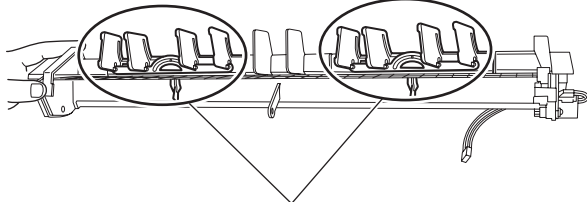
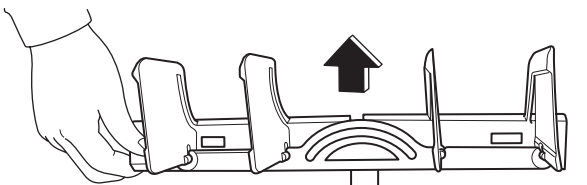
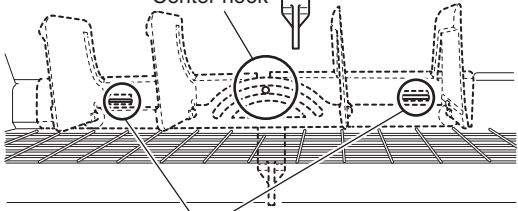
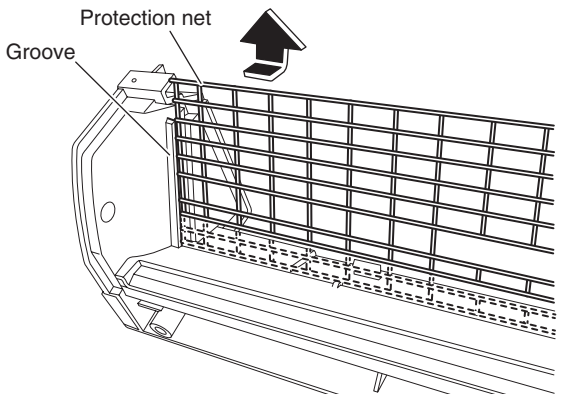
Step	Procedure	Points
2	Remove the 2 screws.	
	 <p>Control PCB</p> <p>(R22168)</p>	
3	Unfasten the hook and remove the control PCB.	
	 <p>Hook</p> <p>(R22169)</p>	

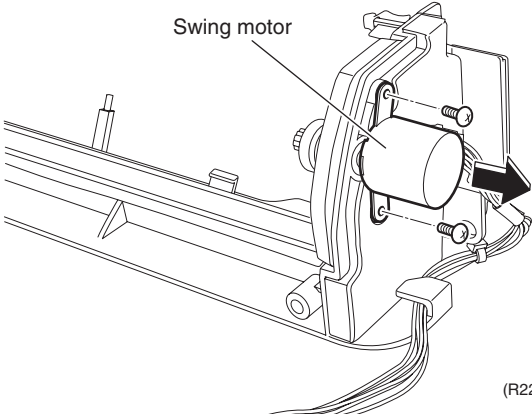
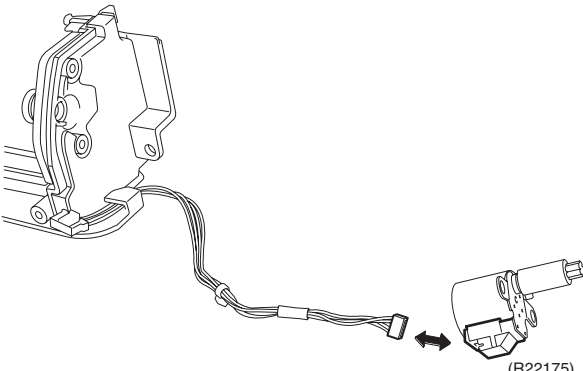
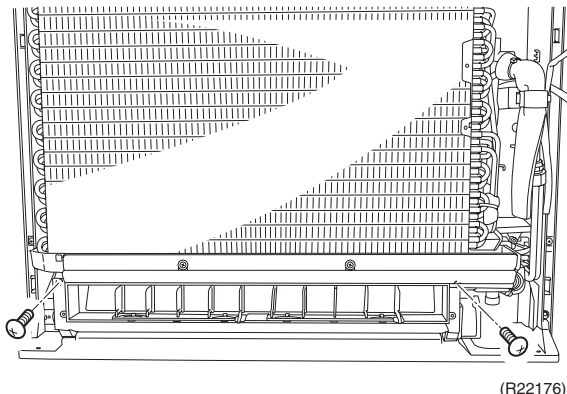
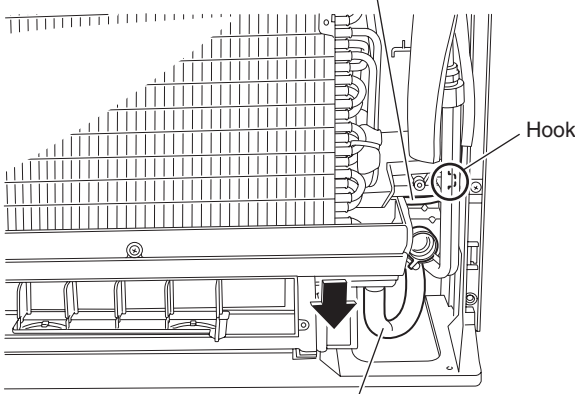
5. Vertical Blade ASSYs

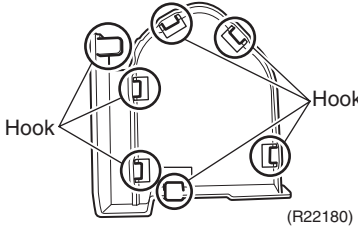


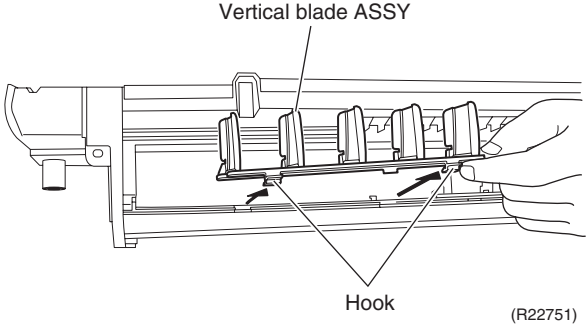
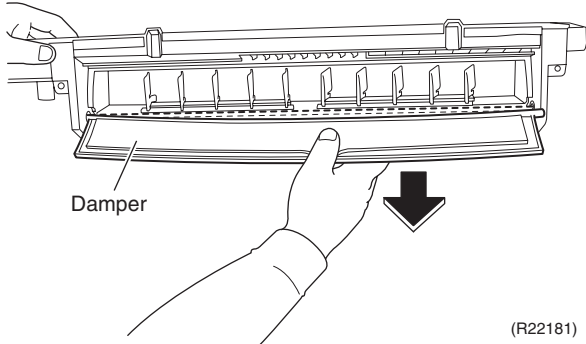
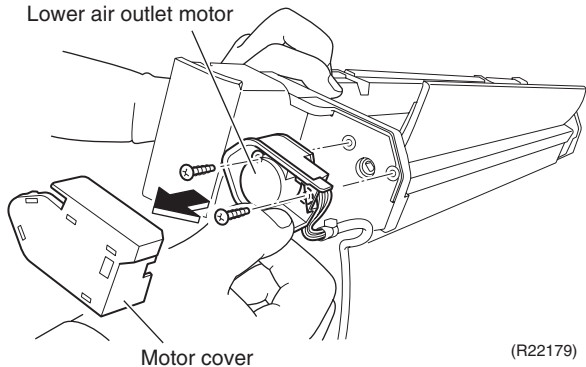
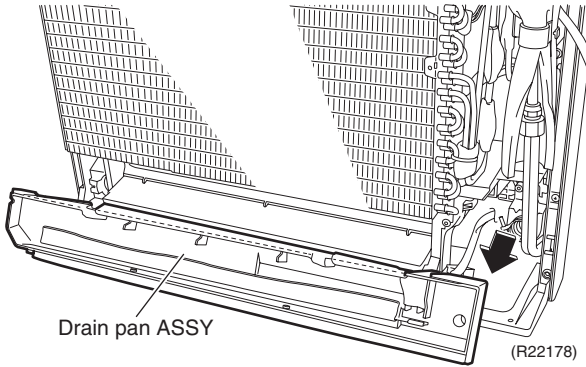
Warning

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Step	Procedure	Points
1. Remove the vertical blade ASSYs (upper).	 <p style="text-align: center;">Air outlet ASSY</p> <p style="text-align: right;">(R22170)</p>  <p style="text-align: center;">Vertical blade ASSY</p> <p style="text-align: right;">(R22171)</p>	<ul style="list-style-type: none"> ■ The air outlet ASSY has 2 vertical blade ASSYs.
2 Unfasten the 2 hooks and the center hook to remove the vertical blade ASSY.	 <p style="text-align: center;">Center hook</p>  <p style="text-align: center;">Hook</p> <p style="text-align: right;">(R22172)</p>	
3 Remove the other vertical blade ASSY in the same way.		
4 Slide the protection net along the groove and remove it.	 <p style="text-align: center;">Protection net</p> <p style="text-align: left;">Groove</p> <p style="text-align: right;">(R22173)</p>	

Step	Procedure	Points	
5	Remove the 2 screws and pull out the swing motor.		
6	Disconnect the connector and remove the swing motor.		
2. Remove the vertical blade ASSYs (lower).	 <p style="text-align: right;">(R22174)</p>  <p style="text-align: right;">(R22175)</p>		
1	Remove the 2 screws.	<ul style="list-style-type: none"> ■ Place a plastic sheet around the drain pan to prevent wetting the floor with remaining drain. ■ If embedded in the wall, the drain hose can be disconnected from the back of the indoor unit. 	
2	Remove the drain hose.		 <p style="text-align: right;">(R22176)</p>  <p style="text-align: right;">(R22177)</p>
3	Release the lower air outlet motor harness from the hook.		

Step	Procedure	Points
4	Pull out the drain pan ASSY.	
5	Remove the motor cover.	<p>■ When reassembling, make sure that the 7 hooks on the motor cover are securely fastened.</p>
6	Remove the 2 screws, and then the lower air outlet motor.	 <p>Hook (R22180)</p>
7	Remove the damper.	
8	Unfasten the 2 hooks from the drain pan and remove the vertical blade ASSY.	



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.

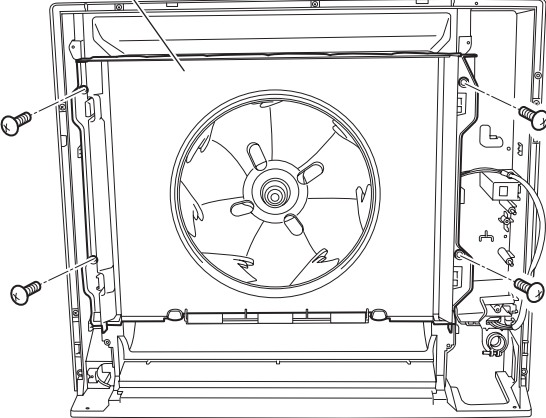
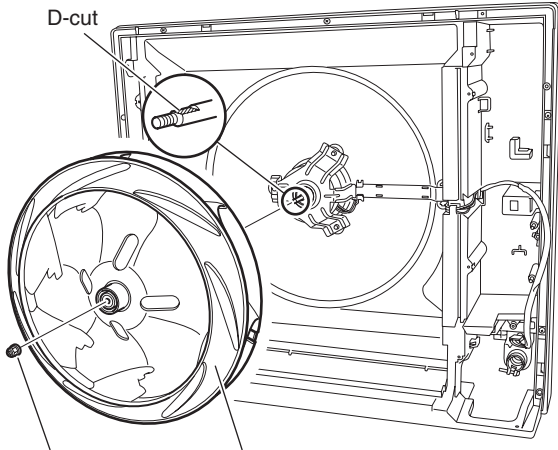
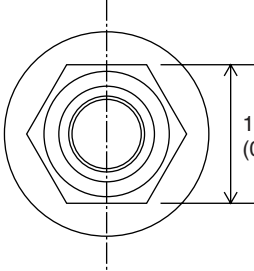
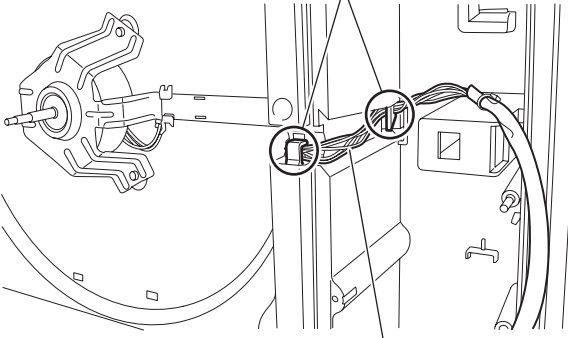
Step	Procedure	Procedure	Points
1	Release the 2 hooks and remove the piping fixture.	<p>Piping fixture</p> <p>Hook</p> <p>(R22183)</p>	<p>■ When reassembling, make sure that the 2 hooks are securely fastened.</p> <p>Hook</p> <p>(R22184)</p>
2	Release the flared joint of the liquid pipe and the gas pipe.	<p>(R22185)</p>	
3	Unfasten the 2 hooks on the left side of the indoor heat exchanger.	<p>Left</p> <p>Hook</p> <p>Indoor heat exchanger</p>	<p>Right</p> <p>Hook</p> <p>Hook</p> <p>(R24391)</p>
4	Unfasten the 2 hooks on the right side and remove the indoor heat exchanger.		

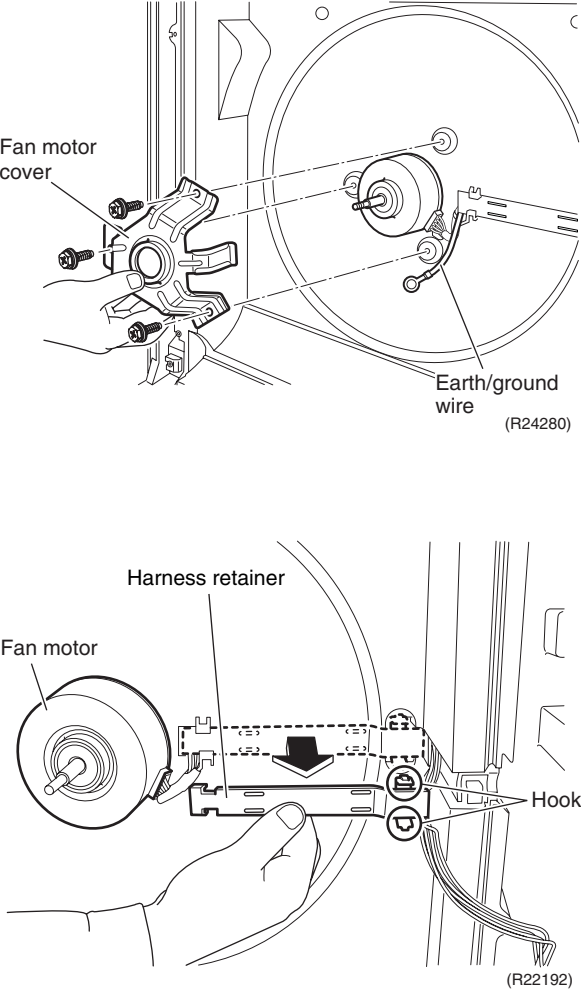
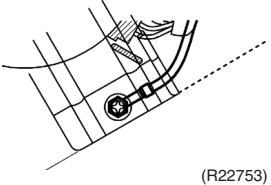
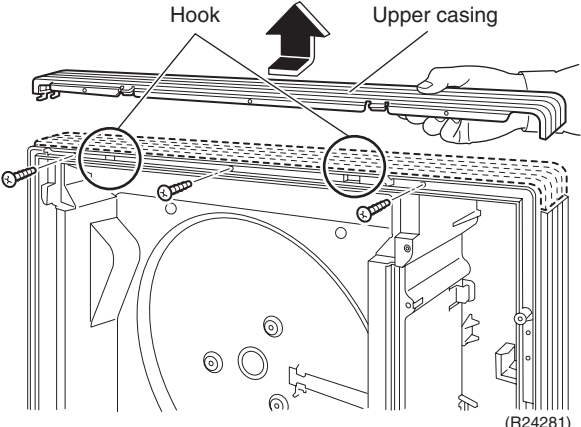
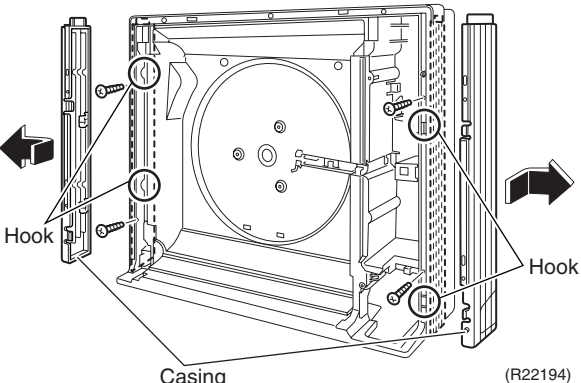
7. Fan Rotor / Fan Motor



Warning

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

Step	Procedure	Points
<p>1. Remove the fan rotor.</p> <p>1 Remove the 4 screws and remove the bellmouth.</p> <p>2 Remove the nut, and then the fan rotor.</p>	<p>Bellmouth</p>  <p>(R22188)</p> <p>D-cut</p>  <p>Nut</p> <p>Fan rotor</p> <p>(R22189)</p>	<p>■ Nut size: M6</p>  <p>10 mm (0.39 inch)</p> <p>(R18954)</p> <p>■ When reassembling, align the ▼ mark of the fan rotor with the D-cut section of the motor shaft.</p>
<p>2. Remove the fan motor.</p> <p>1 Release the fan motor harness from the 2 hooks.</p>	<p>Hook</p>  <p>Fan motor harness</p> <p>(R22190)</p>	

Step	Procedure	Points
2	Remove the 3 screws, and then the fan motor cover.	<ul style="list-style-type: none"> ■ Some models have the earth/ground wire attached with the fan motor cover screw. ■ When reassembling, make sure the earth/ground wire is within the fan motor cover line.
3	Unfasten the 2 hooks to remove the harness retainer.	<ul style="list-style-type: none"> ■ There is no hook around the fan motor. Be careful not to drop it when the harness retainer is removed.
4	Remove the fan motor.	
3. Remove the casing.	 <p>(R24280)</p> <p>(R22192)</p>	 <p>(R22753)</p>
1	Remove the 3 screws and unfasten the 2 hooks to remove the upper casing.	<ul style="list-style-type: none"> ■ Press the 2 hooks toward the back side and remove the casing.
2	Remove the 4 screws and unfasten the 4 hooks to remove the 2 casings.	<ul style="list-style-type: none"> ■ Press the 4 hooks toward the back side and remove the 2 casings.
	 <p>(R24281)</p>  <p>(R22194)</p>	

Revision History

Month / Year	Version	Revised contents
09 / 2012	Si061262	First edition
11 / 2012	Si061262_A	Model addition: FVXS25/35/50FV1B
02 / 2013	Si061262_B	Model addition: FVXS45LV1A
07 / 2015	Si061262EC	Model addition: FVXS09/12/18NVJU
01 / 2016	Si061262ED	Model addition: FVXS15NVJU
12 / 2016	Si061262EE	Model addition: FVXS25/35/45RV1A

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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