




REMOVAL PROCEDURE



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

4.1/5.0/6.3/7.1 kW Class

-  Indoor Unit
-  Inverter
-  Duct Connected Type



Service Manual Removal Procedure

Indoor Unit

●Heat Pump

**FDXV41NVLT
FDXV50NVLT
FDXV63NVLT
FDXV71NVLT**

**CDXM50PVLT
CDXM63PVLT
CDXM71PVLT**

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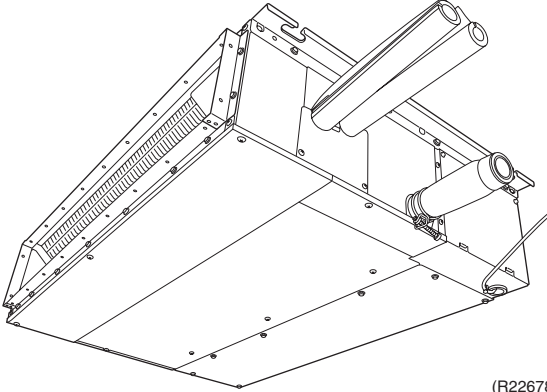
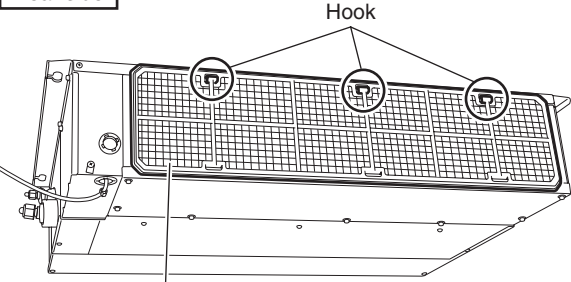
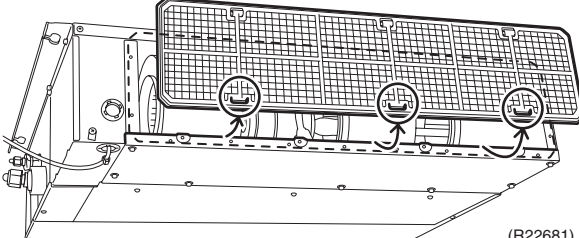
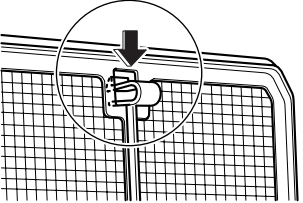
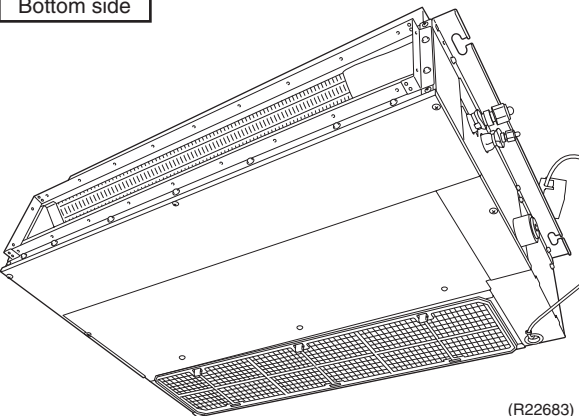
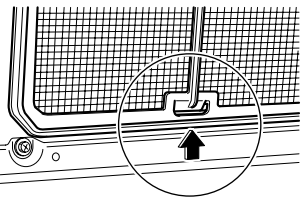
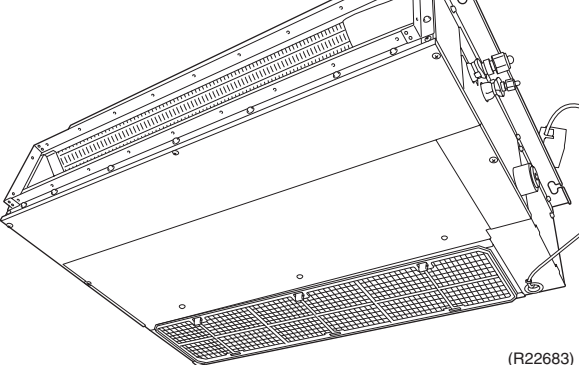
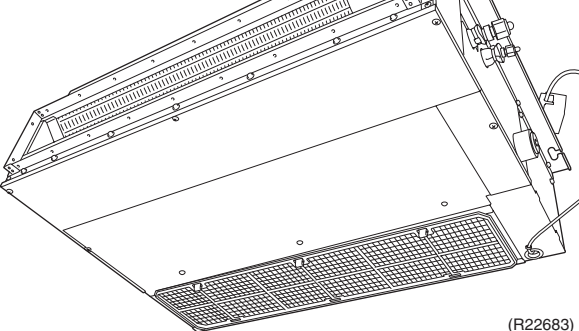
Note: ♦ The illustrations may be slightly different depending on the model.

1. Air Filter

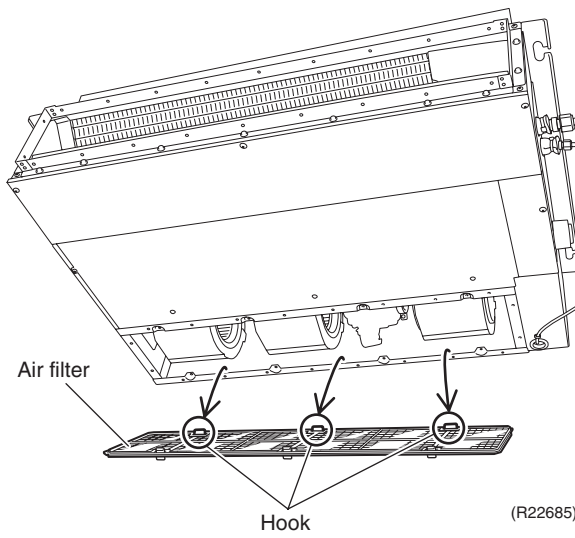
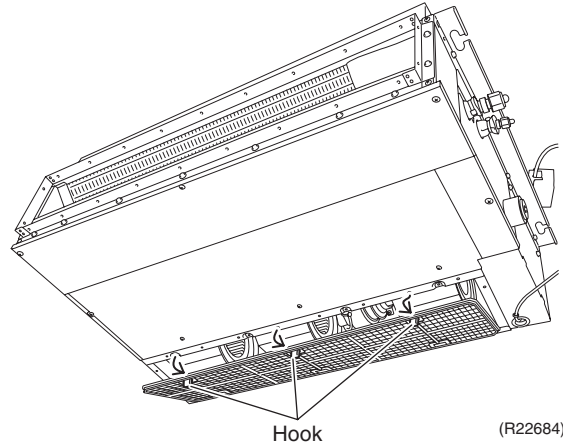


Warning

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

Step	Procedure	Points
1. Remove the rear suction type air filter.	 <p style="text-align: right;">(R22678)</p>	<ul style="list-style-type: none"> ■ There are cases of rear suction type and the bottom suction type filters.
1 Appearance	<p data-bbox="488 837 603 869">Rear side</p>  <p data-bbox="608 1167 687 1189">Air filter</p> <p style="text-align: right;">(R22679)</p>	<ul style="list-style-type: none"> ■ Detail of the upper hook.
2 Press the 3 upper hooks and pull the air filter forward.	 <p style="text-align: right;">(R22681)</p>	 <p style="text-align: right;">(R22680)</p>
3 Pull the air filter upward to unfasten the 3 bottom hooks and remove the air filter.	<p data-bbox="488 1570 635 1601">Bottom side</p>  <p style="text-align: right;">(R22683)</p>	<ul style="list-style-type: none"> ■ Detail of the bottom hook.  <p style="text-align: right;">(R22682)</p>
2. Remove the bottom suction type air filter.	 <p style="text-align: right;">(R22683)</p>	
1 Appearance	 <p style="text-align: right;">(R22683)</p>	

Step	Procedure	Points
2	Press the 3 front hooks to unfasten them.	
3	Pull the air filter forward to unfasten the 3 back hooks and remove the air filter.	

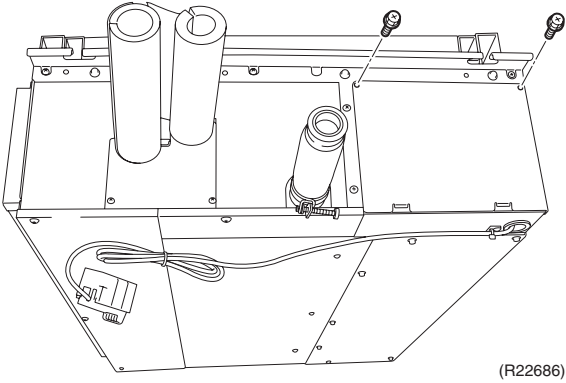
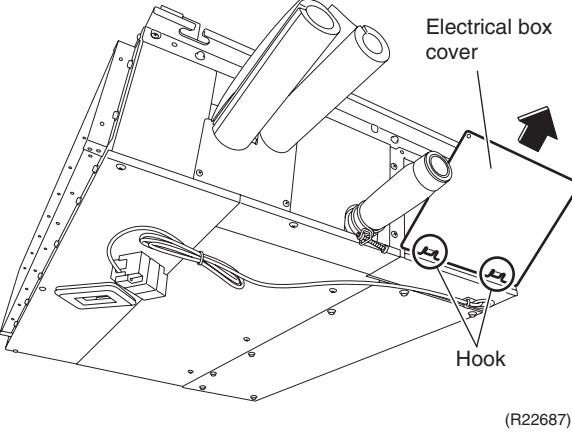
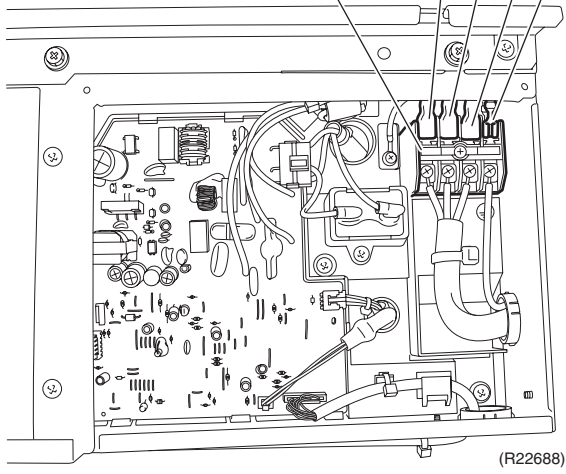


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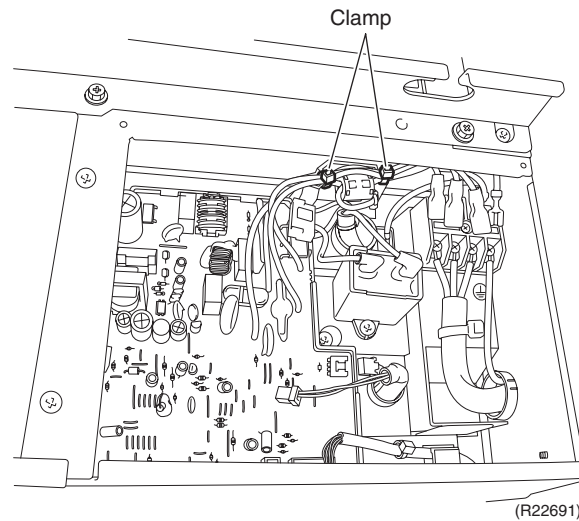
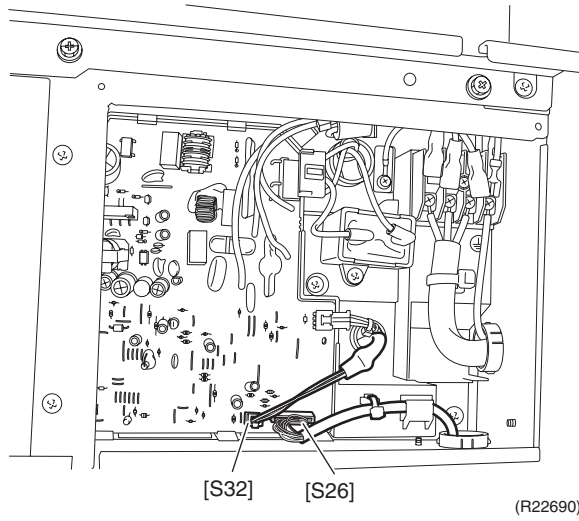
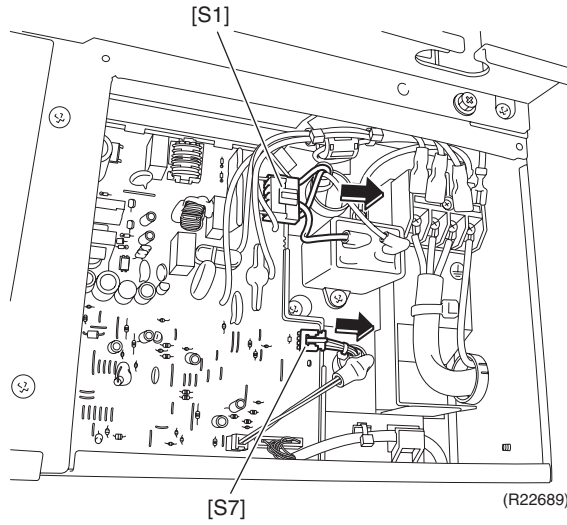


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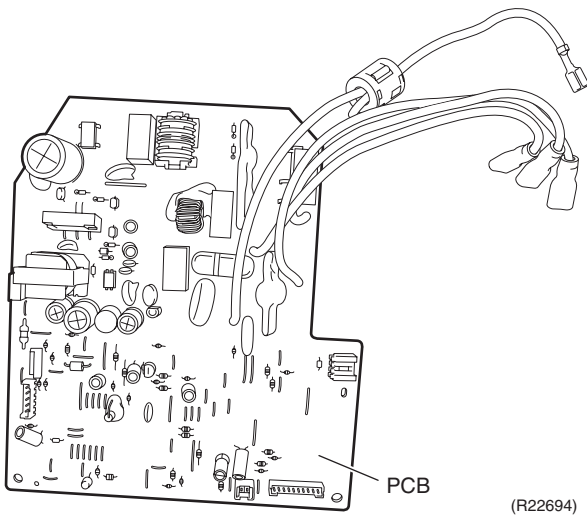
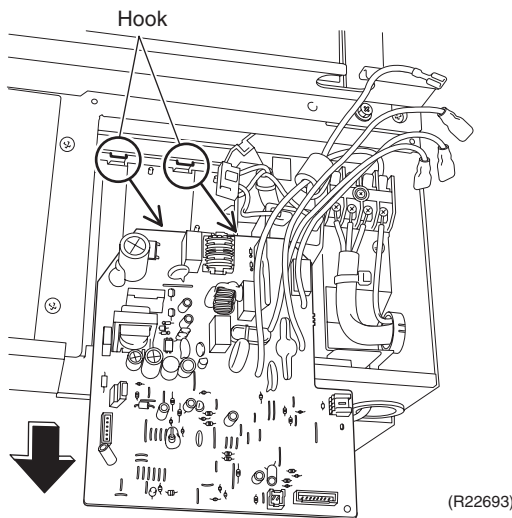
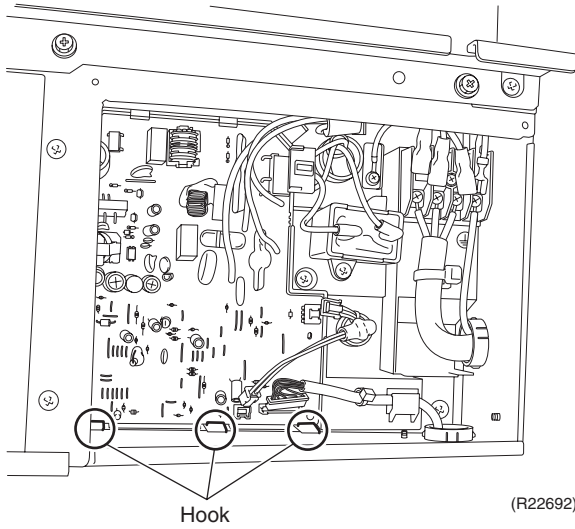
- ◆ Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
1. Remove the electrical box cover.	<p data-bbox="491 394 619 421">Right side</p>  <p data-bbox="995 801 1066 824">(R22686)</p>	<ul style="list-style-type: none"> ■ When reassembling, make sure that the 2 hooks are securely fastened.
<p data-bbox="153 441 453 470">1 Remove the 2 screws.</p> <p data-bbox="153 860 469 954">2 Lift up the electrical box cover to unfasten the 2 hooks and remove it.</p>	 <p data-bbox="995 1290 1066 1312">(R22687)</p>	
2. Remove the PCB.	<p data-bbox="708 1368 852 1395">Terminal board</p>  <p data-bbox="995 1854 1066 1877">(R22688)</p>	<p data-bbox="1090 1346 1251 1375">1: front, Black</p> <p data-bbox="1090 1382 1251 1411">2: front, White</p> <p data-bbox="1090 1417 1235 1447">3: front, Red</p> <p data-bbox="1090 1453 1410 1509">4: front, Earth / ground wire: green / yellow</p>

Step	Procedure	Points
2	Disconnect the connectors [S1] and [S7].	[S1], [S7]: fan motor
3	Disconnect the connectors [S26] and [S32].	[S26]: display PCB [S32]: indoor heat exchanger thermistor
4	Cut the 2 clamps.	



Step	Procedure	Points
5	Unfasten the 3 bottom hooks.	
6	Pull the lower part of the PCB forward to unfasten the 2 upper hooks.	
7	Remove the PCB.	

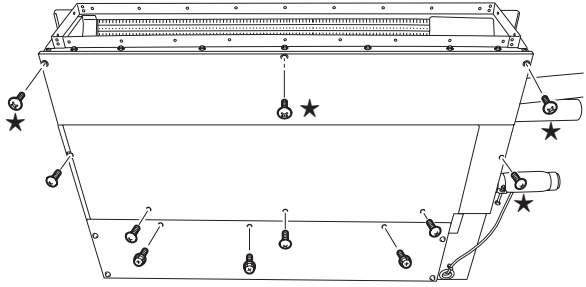
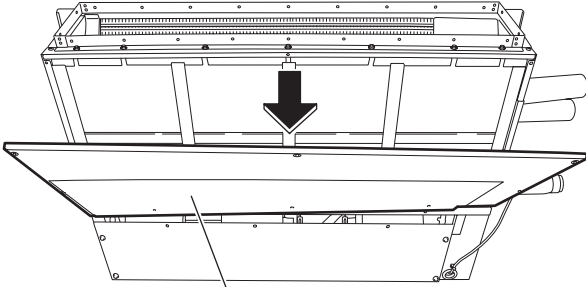
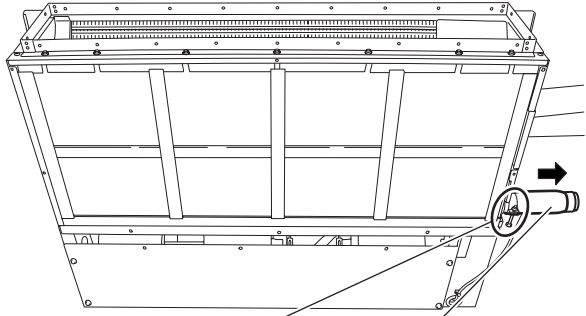
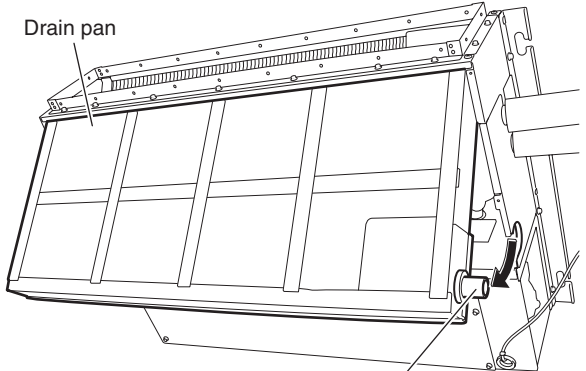


3. Drain Pan



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 bottom plate.</p> <p>1 Remove the 11 screws.</p> <p>2 Open the bottom plate and slide it forward to remove it.</p>	<p>Bottom side</p>  <p>(R22695)</p>  <p>Bottom plate</p> <p>(R22696)</p>	<ul style="list-style-type: none"> ■ The number of screws varies depending on the model. ■ Screws with ★ are flocking screws.
<p>2. Remove the drain pan.</p> <p>1 Loosen the drain hose screw and pull out the drain hose.</p> <p>2 Grip the drain socket area with your right hand.</p> <p>3 Support the drain pan with your both hands to lower the pan and remove it.</p>	 <p>Drain hose screw Drain hose (R22697)</p>  <p>Drain pan</p> <p>Drain pan socket (R22698)</p>	<ul style="list-style-type: none"> ■ If the drain hose is embedded in the wall, disconnect the drain hose beforehand. ■ Be careful not to wet the floor with remaining drain. ■ Place a plastic sheet under the drain pan to prevent from wetting the floor with remaining drain. ■ There is no hook around drain pan, be careful not to drop it.

4. Indoor Heat Exchanger



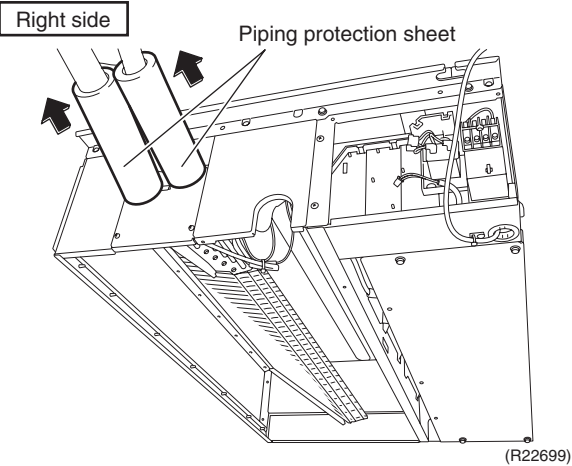
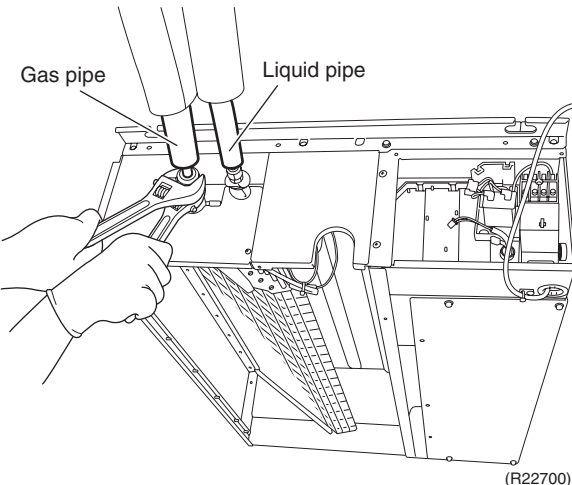
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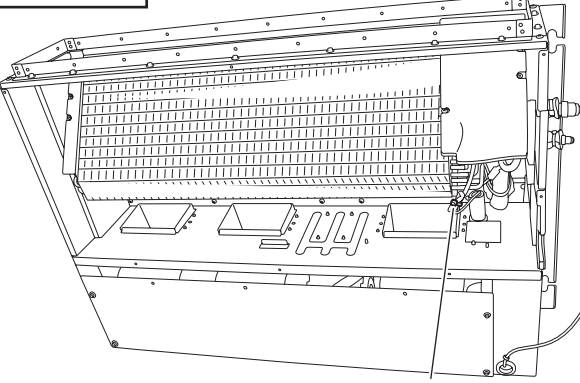
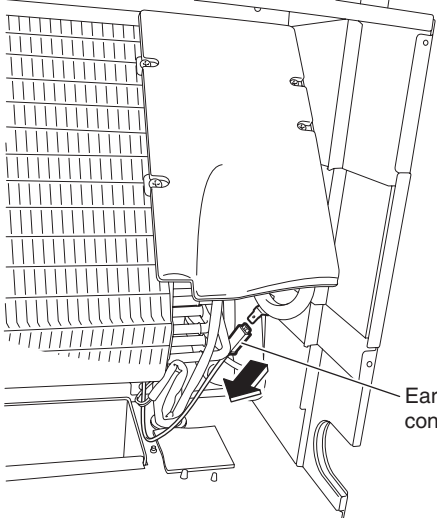
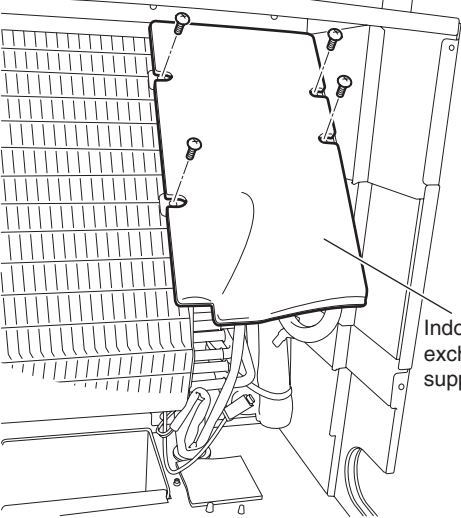
- ◆ Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- ◆ In pump-down work, be sure to stop the compressor before disconnecting the refrigerant pipe. If the refrigerant pipe is disconnected with the compressor operating and the stop valve open, air 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.)



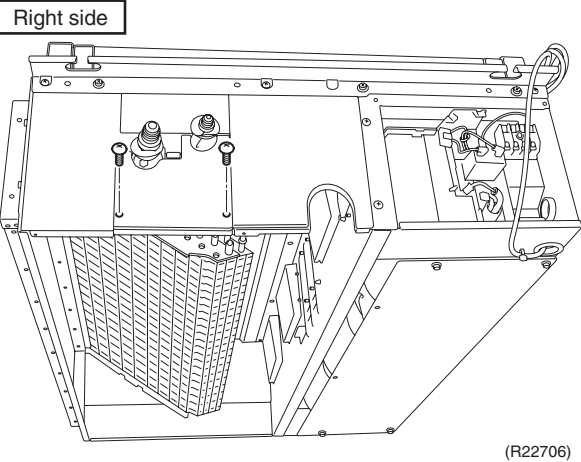
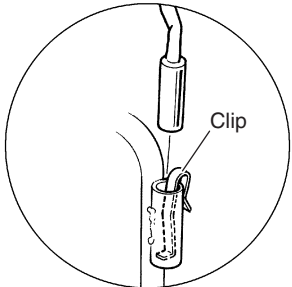
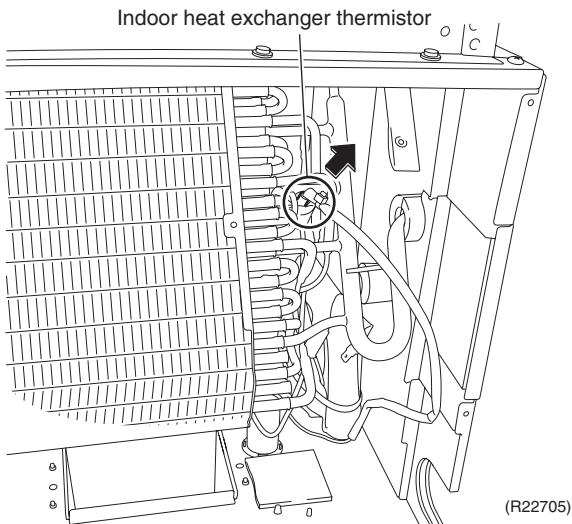
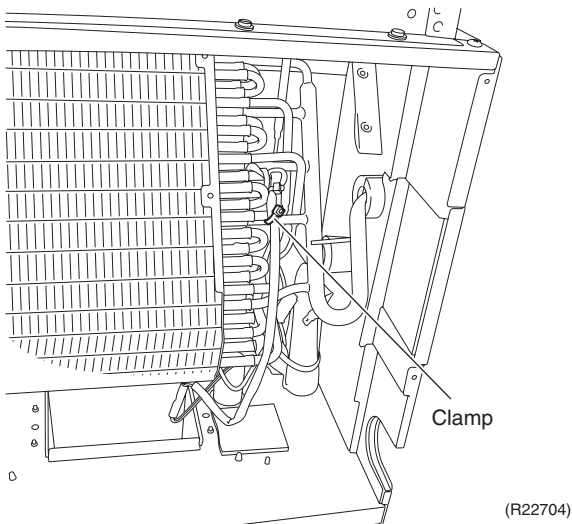
Caution

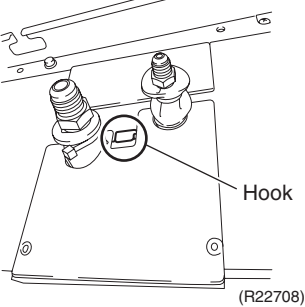
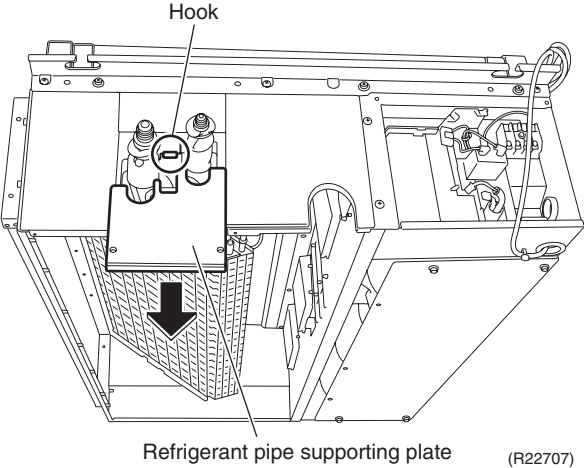
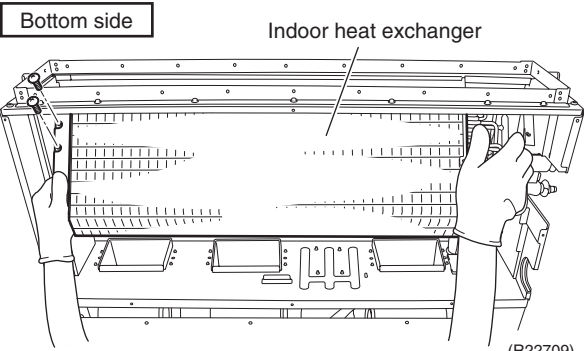
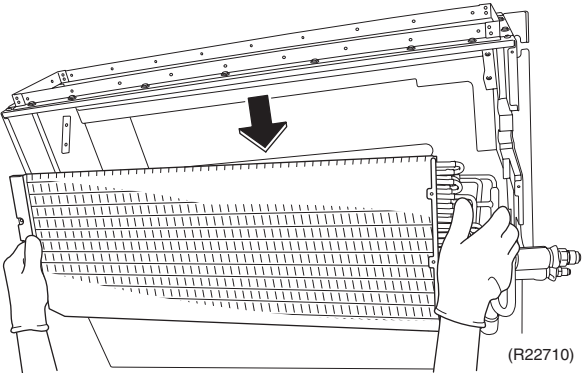
- ◆ Be sure to conduct pump down operation before disassembling the refrigerant pipe.
- ◆ If the refrigerant leaks, repair the spot of leaking, then collect all refrigerant from the unit. After conducting vacuum drying, recharge proper amount of refrigerant.
- ◆ From the viewpoint of global environmental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

Step	Procedure	Points
<p>1. Remove the pipings.</p> <p>1 Shift the 2 piping protection sheets for gas piping and liquid piping.</p> <p>2 Unscrew the flare nuts for gas piping and liquid piping.</p>	 	<ul style="list-style-type: none"> ■ Carry out the removal works with 2 wrenches. ■ When the pipings are disconnected, protect both the openings of pipe and unit from entering of moisture.

Step	Procedure	Points
2. Remove the indoor heat exchanger thermistor.	<p data-bbox="491 241 635 271">Bottom side</p>  <p data-bbox="890 645 959 674">Clamp</p> <p data-bbox="995 680 1064 710">(R22701)</p>	
1. Cut the clamp.	 <p data-bbox="900 1137 1038 1189">Earth / ground connector</p> <p data-bbox="995 1240 1064 1270">(R22702)</p>	
2. Pull out the earth / ground connector.	 <p data-bbox="916 1637 1054 1720">Indoor heat exchanger supporting plate</p> <p data-bbox="995 1800 1064 1830">(R22703)</p>	<ul style="list-style-type: none"> <li data-bbox="1098 1301 1463 1429">■ To prevent the indoor heat exchanger from dropping, be sure to support it while you remove the screws. <li data-bbox="1098 1464 1463 1592">■ There is no hook around the indoor heat exchanger supporting plate, be careful not to drop it.
3. Remove the 4 screws and remove the indoor heat exchanger supporting plate.		

Step	Procedure	Points
4	Cut the clamp.	
5	Pull out the indoor heat exchanger thermistor.	<ul style="list-style-type: none"> ■ The position of the indoor heat exchanger thermistor varies depending on the model. ■ Be careful not to lose the clip of the thermistor.
3. Remove the indoor heat exchanger.		
1	Remove the 2 screws.	



Step	Procedure	Points
2	Slide the refrigerant pipe supporting plate downward to unfasten the hook and remove it.	<ul style="list-style-type: none"> When reassembling, make sure that the hook is securely fastened.
3	Make sure to support the indoor heat exchanger to prevent it from dropping. Then remove the 2 screws on the left side.	
4	Remove the indoor heat exchanger.	  

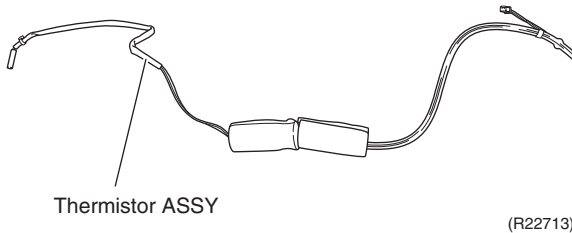
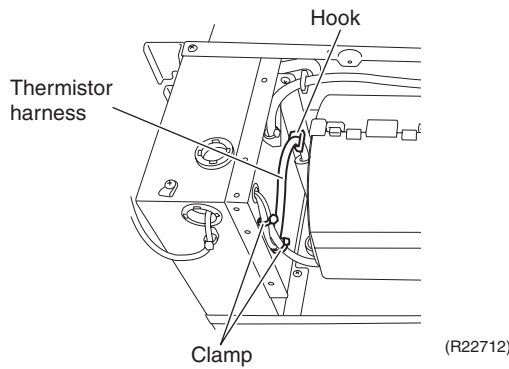
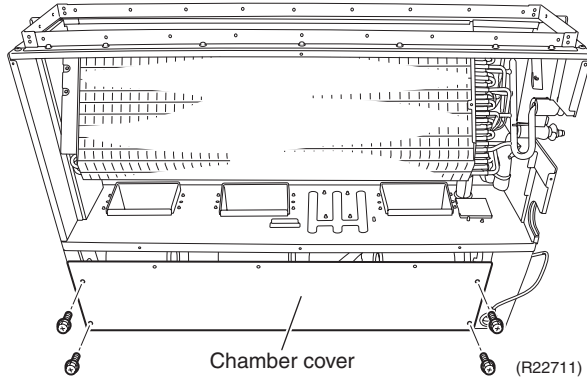
5. Thermistor ASSY



Warning

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Step	Procedure	Points
1	Remove the 4 screws and remove the chamber cover.	
2	Cut the 2 clamps and release the thermistor harness from the hook.	
3	Pull out the thermistor ASSY and remove it.	

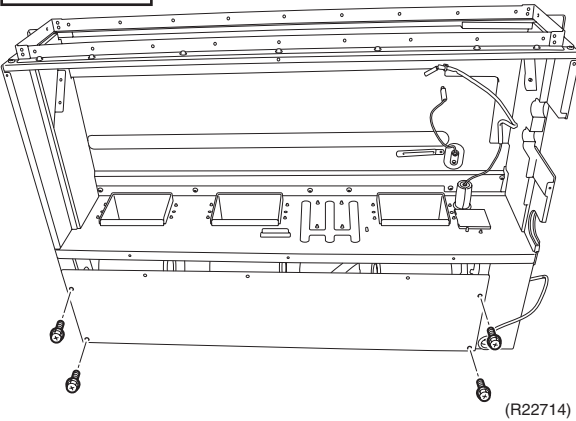
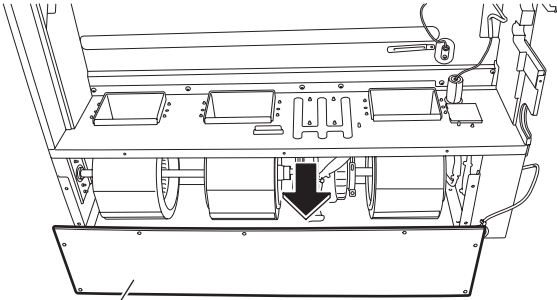
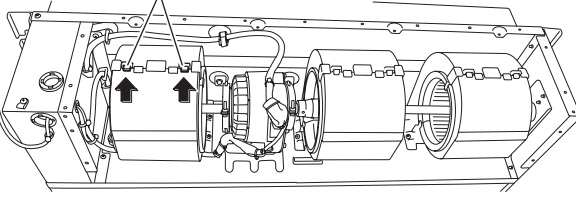
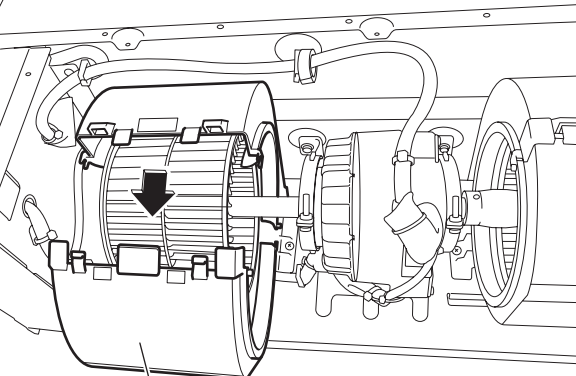
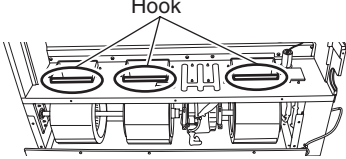


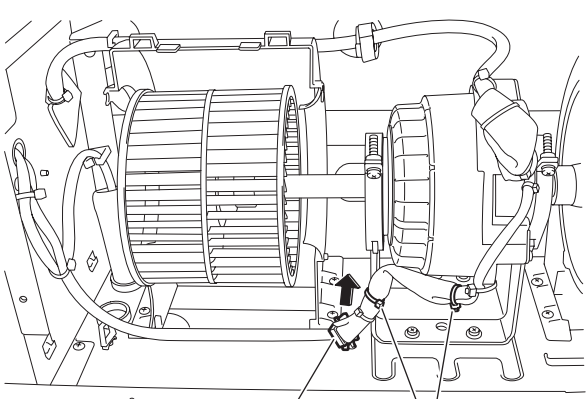
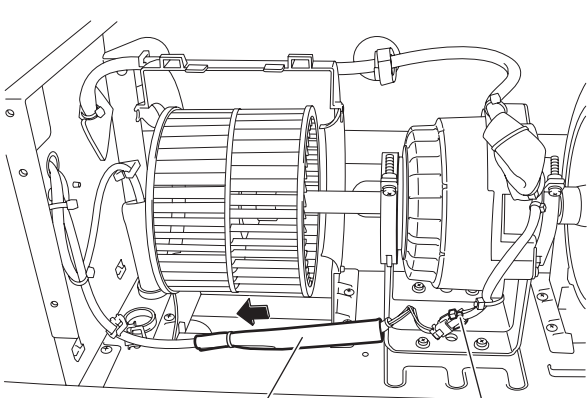
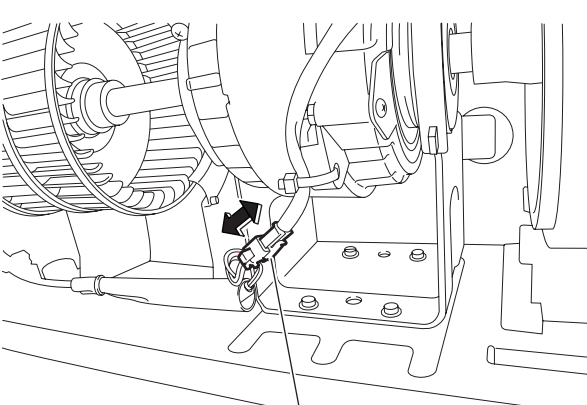
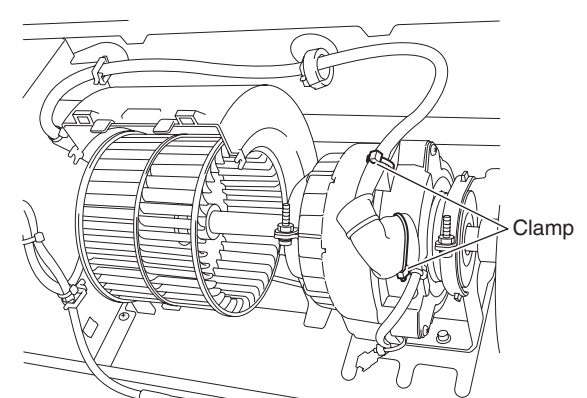
6. Fan Motor / Fan Rotor

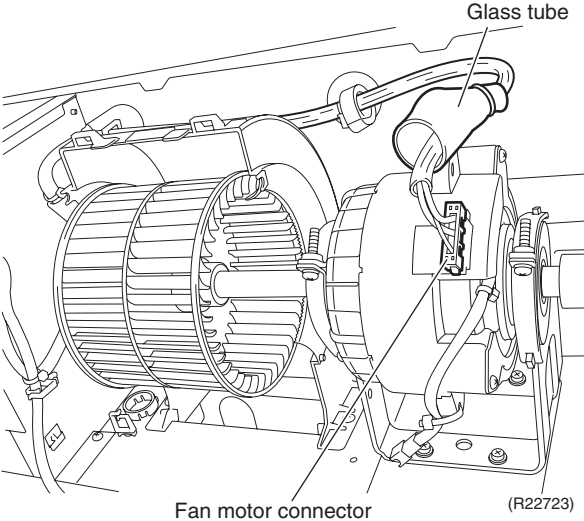
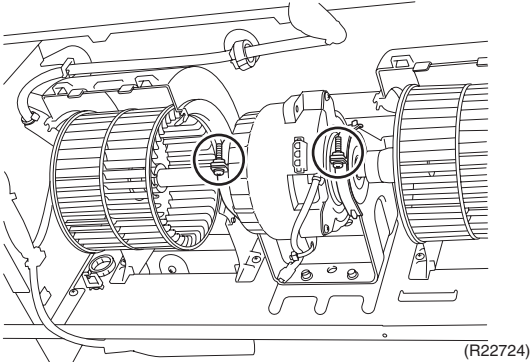
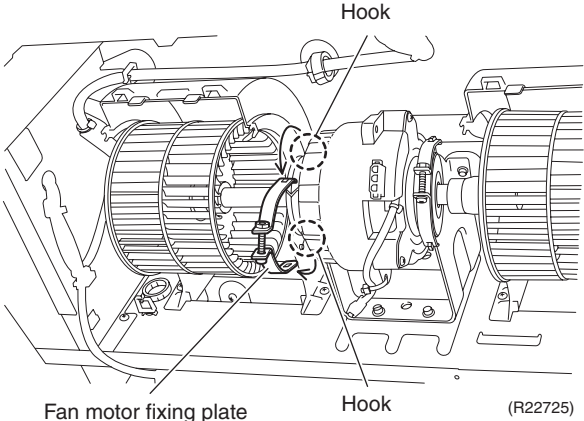
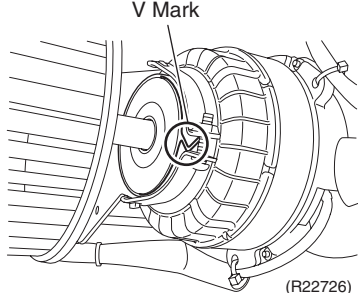
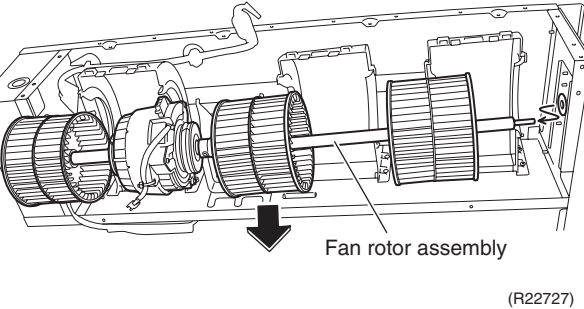


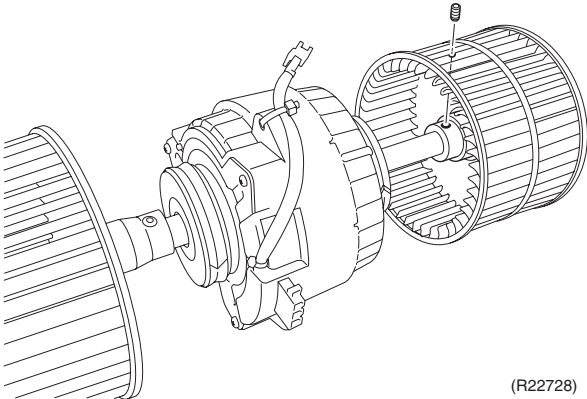
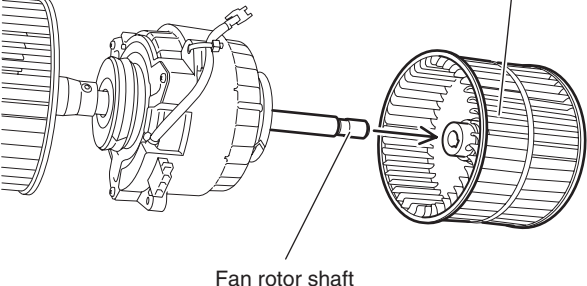
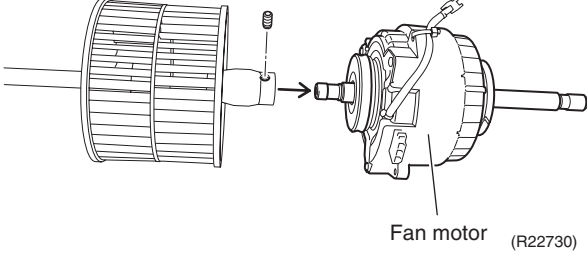
Warning

◆ 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 chamber cover.</p> <p>1 Remove the 4 screws.</p> <p>2 Remove the chamber cover.</p>	<p>Bottom side</p>  <p>(R22714)</p>  <p>Chamber cover</p> <p>(R22715)</p>	<ul style="list-style-type: none"> ■ You can remove the fan rotor and fan motor without removing the drain pan. ■ There is no hook around chamber cover, be careful not to drop it.
<p>2. Remove the fan housings.</p> <p>1 Press the 2 hooks at the fan housing lower part to unfasten them.</p> <p>2 Open the fan housing and pull the fan housing lower part forward to remove it.</p> <p>3 Remove the other fan housing lower parts in the same way.</p>	<p>Rear side</p> <p>Hook</p>  <p>(R22716)</p>  <p>Fan housing lower part</p> <p>(R22717)</p>	<ul style="list-style-type: none"> ■ The number of the fan rotor varies depending on the model. ■ When reassembling, make sure the hooks of fan housings are securely fastened.  <p>(R22718)</p>

Step	Procedure	Points
<p>3. Remove the fan rotor assembly.</p>	 <p>Clamp (1) Clamp (2) (R22719)</p>	
<p>1 Pull out the clamp (1) and cut the 2 clamps (2).</p> <p>2 Shift the glass tube to the left and cut the clamp.</p>	 <p>Glass tube Clamp (R22720)</p>	
<p>3 Disconnect the fan motor connector.</p>	 <p>Fan motor connector (R22721)</p>	
<p>4 Cut the 2 clamps.</p>	 <p>Clamp (R22722)</p>	

Step	Procedure	Points
5	Shift the glass tube and disconnect the fan motor connector.	
		
6	Loosen the 2 screws.	<ul style="list-style-type: none"> There is no hook around fan motor, always support the fan motor to prevent it from dropping off while loosening the screws.
		
7	Unfasten the 2 hooks and remove the fan motor fixing plate.	<ul style="list-style-type: none"> When reassembling, align the V mark on the fan motor with the fan motor fixing plate contacting part and tighten the screw so that there is no clearance left.
8	Remove the other fan motor fixing plate in the same way.	
		
9	Remove the fan rotor assembly.	
		

Step	Procedure	Points
4. Remove the fan motor.	<p data-bbox="153 248 451 376">1 Use a hexagonal wrench key to remove the fan rotor fixing screw.</p>  <p data-bbox="995 607 1066 629">(R22728)</p> <p data-bbox="153 663 464 723">2 Remove the fan rotor from the fan rotor shaft.</p>  <p data-bbox="995 1014 1066 1037">(R22729)</p> <p data-bbox="153 1070 451 1234">3 Use a hexagonal wrench key to remove the fan rotor fixing screw and remove the fan motor.</p>  <p data-bbox="995 1328 1066 1350">(R22730)</p>	

Revision History

Month / Year	Version	Revised contents
01 / 2016	Si071562E	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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