




REMOVAL PROCEDURE



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

2.5/3.5/5.0 kW Class

-  Indoor Unit
-  Inverter
-  Wall Mounted Type



Service Manual Removal Procedure

Indoor Unit

●Heat Pump

CTXG25K2VMW

CTXG25K2VMS

CTXG35K2VMW

CTXG35K2VMS

CTXG50K2VMW

CTXG50K2VMS

FTXG25JV1BW

FTXG25JV1BA

FTXG35JV1BW

FTXG35JV1BA

FTXG50JV1BW

FTXG50JV1BA

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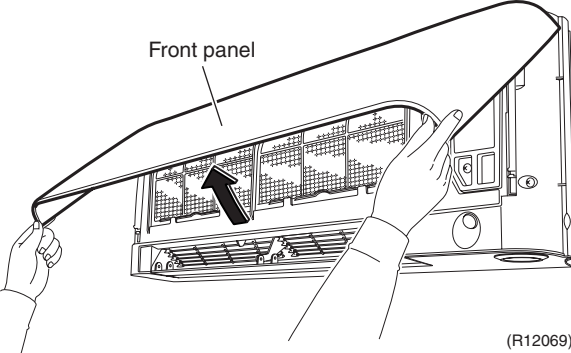
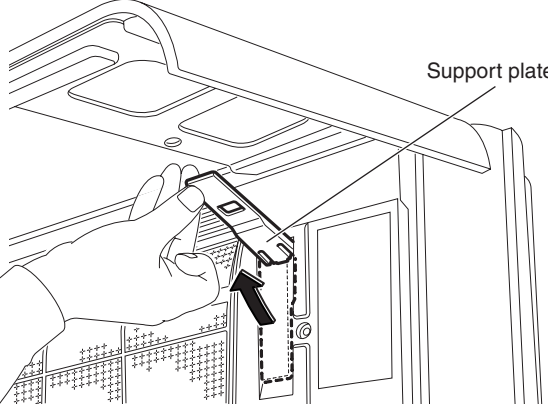
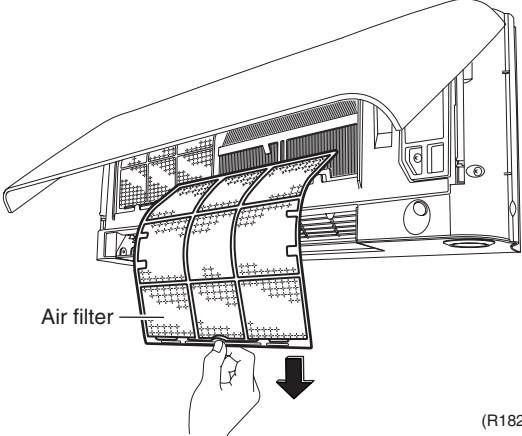
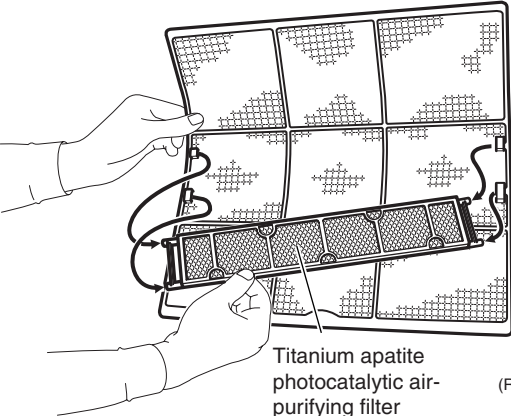
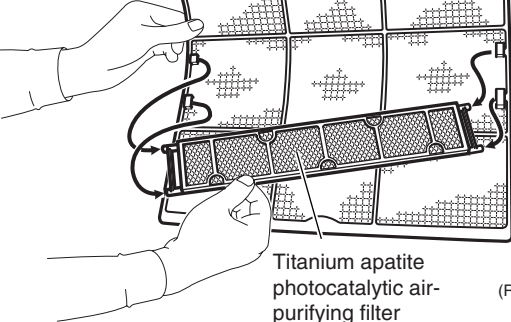
Note: ♦ The illustrations may be slightly different depending on the model.

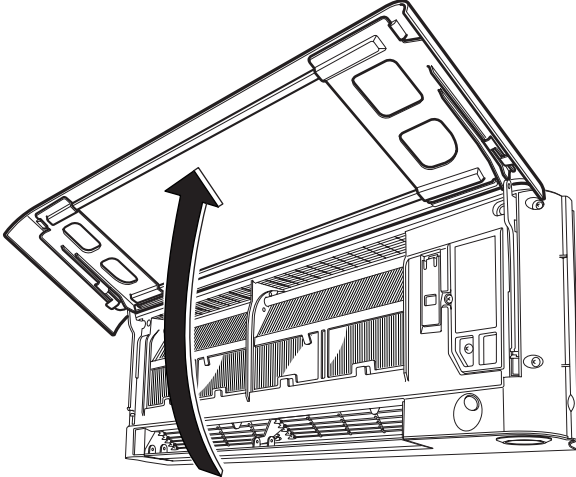
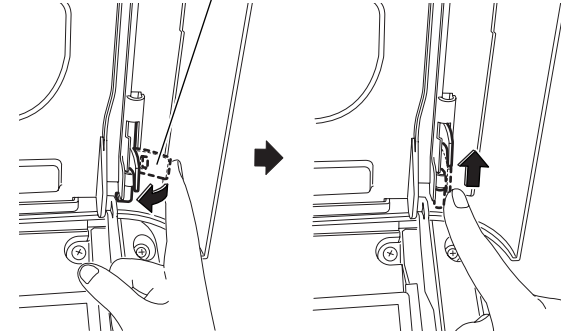
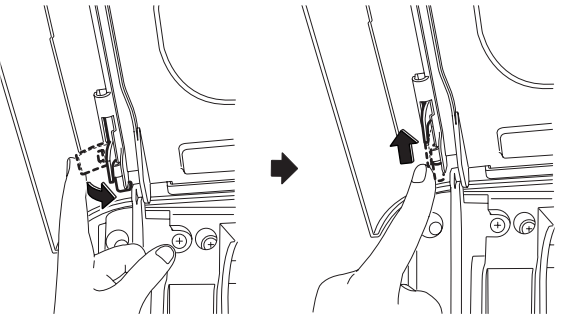
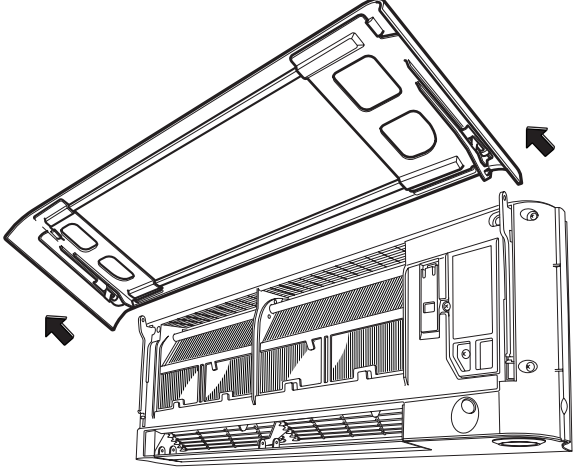
1. Air Filters / Front Panel



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 air filters.</p> <p>1 Open the front panel.</p> <p>2 Keep the front panel open with the support plate.</p> <p>3 Remove the air filter.</p>	 <p>Front panel</p> <p>(R12069)</p>  <p>Support plate</p> <p>(R12070)</p>  <p>Air filter</p> <p>(R18232)</p>	<ul style="list-style-type: none"> ■ The air filter is not marked for difference between the right and left sides. ■ The air filter can be set easily by inserting it along the guides. ■ Be sure to insert the hooks (at 2 lower positions) when installing the air filter.
<p>2. Remove the Titanium apatite photocatalytic air-purifying filter.</p>	 <p>Titanium apatite photocatalytic air-purifying filter</p> <p>(R18168)</p>	<ul style="list-style-type: none"> ■ The Titanium apatite photocatalytic air-purifying filter is not marked for difference between the right and left sides.
<p>1 Remove the Titanium apatite photocatalytic air-purifying filter.</p>	 <p>Titanium apatite photocatalytic air-purifying filter</p> <p>(R18168)</p>	<ul style="list-style-type: none"> ■ The Titanium apatite photocatalytic air-purifying filter is not marked for difference between the right and left sides.

Step	Procedure	Points
3. Remove the front panel.		
1	Open the front panel.	
	 <p>(R12075)</p>	
2	Release the front panel locks on each side.	
	<p>Right</p> <p>Front panel lock</p>  <p>(R12076)</p>	
	<p>Left</p>  <p>(R12077)</p>	
3	Remove the front panel.	
	 <p>(R12078)</p>	

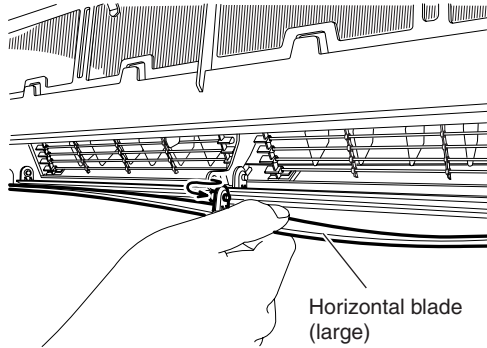
2. Horizontal Blades



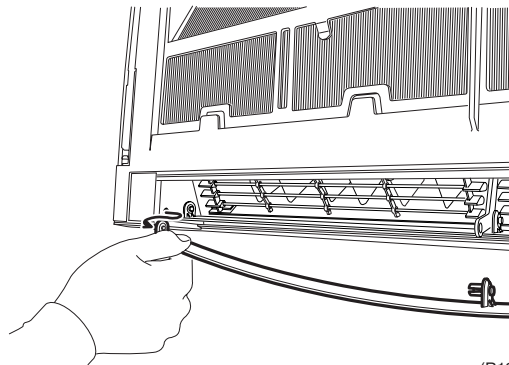
Warning

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

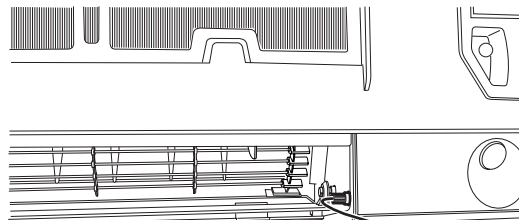
Step	Procedure	Points
1	Bend the horizontal blade (large) slightly and release the center shaft.	
2	Release the left shaft.	
3	Slide the horizontal blade (large) to the left and release the right shaft.	
4	Remove the horizontal blade (small) likewise.	



(R12079)



(R12080)



(R12081)

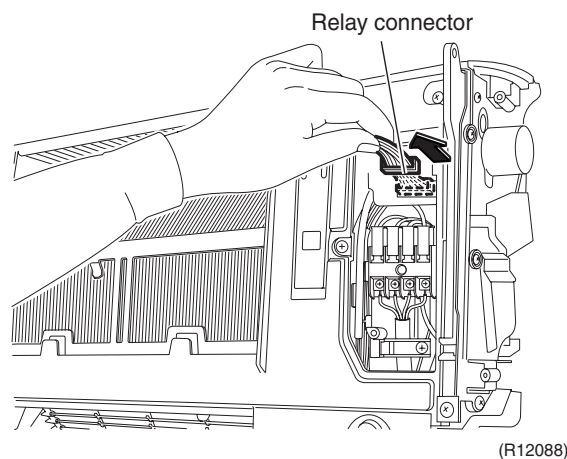
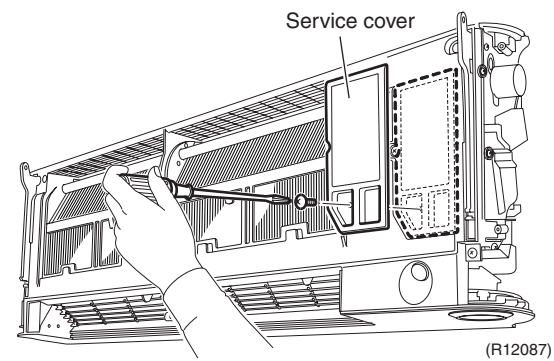
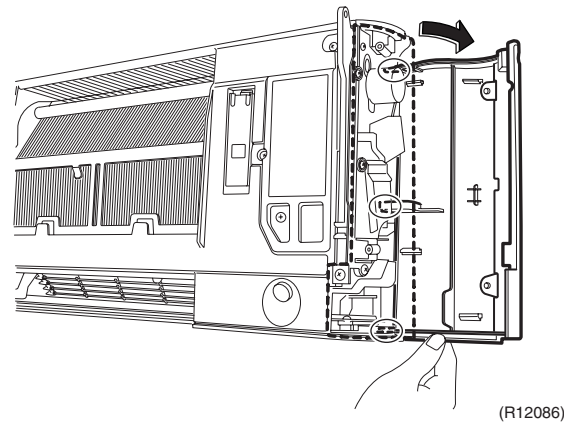
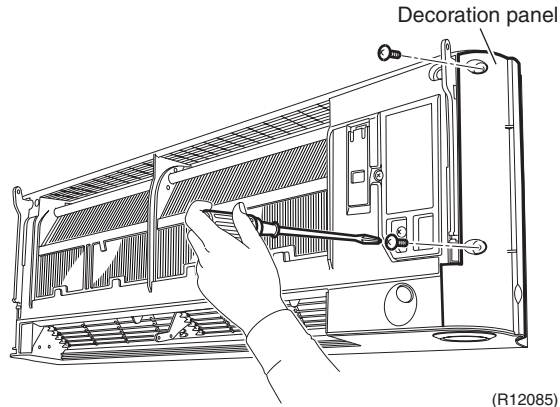
3. Front Grille

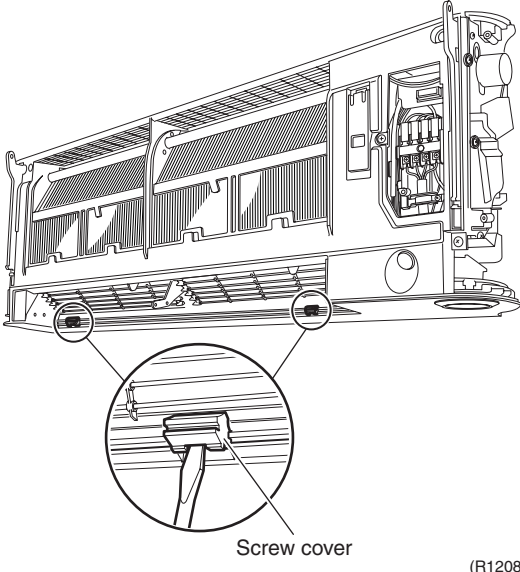
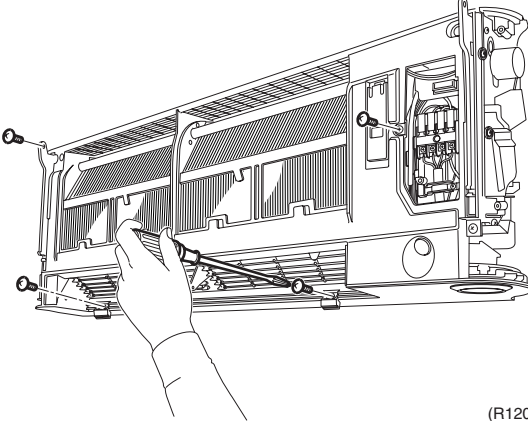
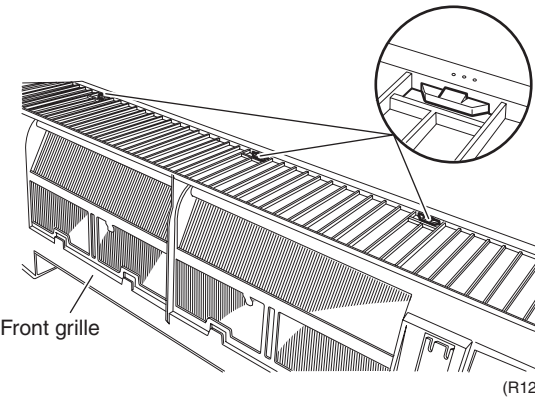
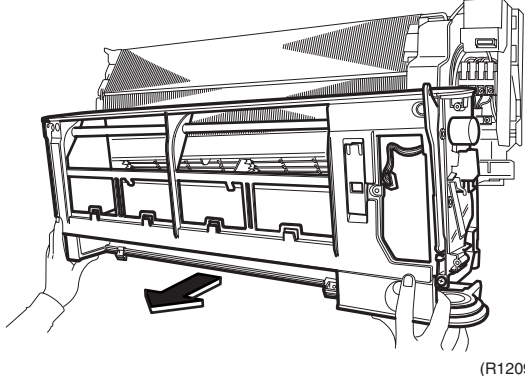


Warning

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

Step	Procedure	Points
1	Remove the 2 screws of the decoration panel (right).	
2	Open the decoration panel (right). Unfasten the 3 hooks and remove it.	
3	Remove the decoration panel (left) in the same way.	
4	Remove the screw and remove the service cover.	
5	Disconnect the relay connector for the reduction motor.	



Step	Procedure	Points
6	Open the 2 screw covers with a flat screwdriver.	
	 <p style="text-align: center;">Screw cover</p> <p style="text-align: right;">(R12089)</p>	
7	Remove the 4 screws.	
	 <p style="text-align: right;">(R12090)</p>	
8	Unfasten the 3 hooks on the top of the front grille.	
	 <p style="text-align: center;">Front grille</p> <p style="text-align: right;">(R12092)</p>	
9	Remove the front grille.	
	 <p style="text-align: right;">(R12093)</p>	

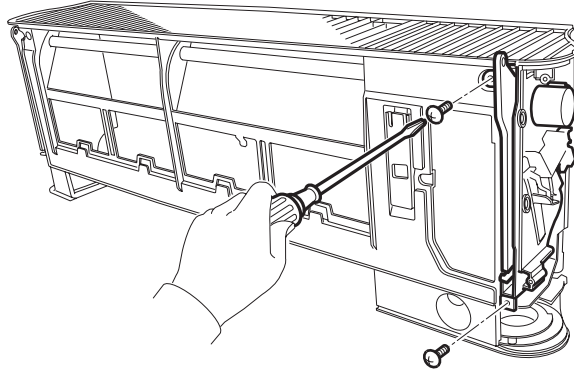
4. Front Panel Mechanism ASSY



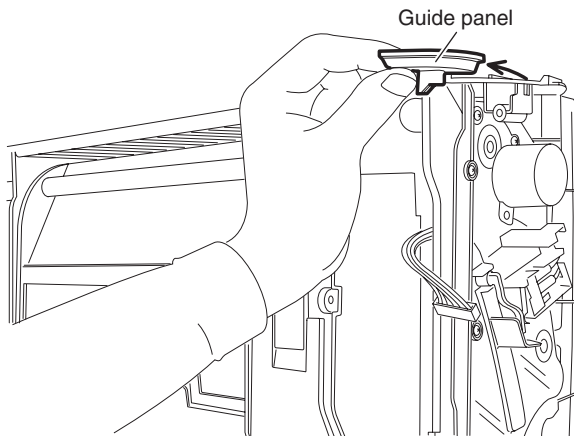
Warning

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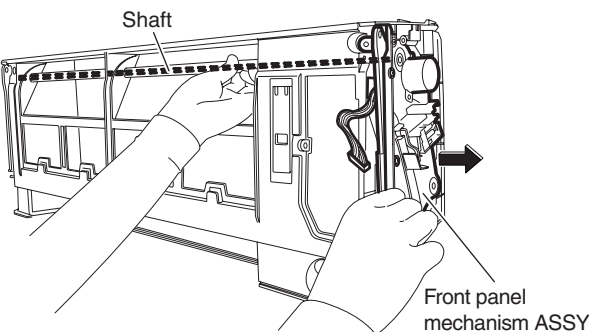
Step	Procedure	Points
1	Remove the 2 screws of the front grille (right).	
2	Remove the guide panel.	
3	Remove the front panel mechanism ASSY (right), holding the shaft.	<ul style="list-style-type: none"> ■ Remove the front panel mechanism ASSY (left) in the same way.



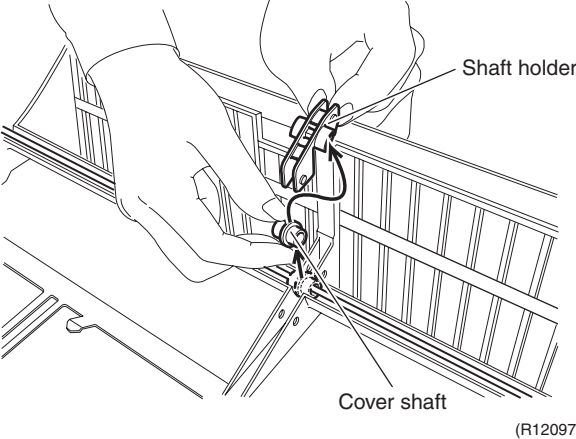
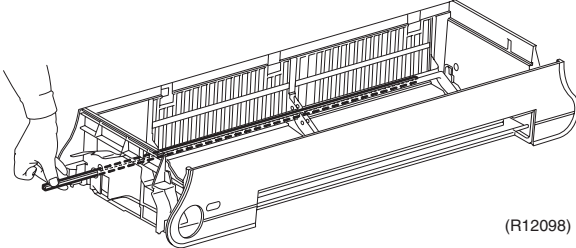
(R12094)



(R12095)



(R12096)

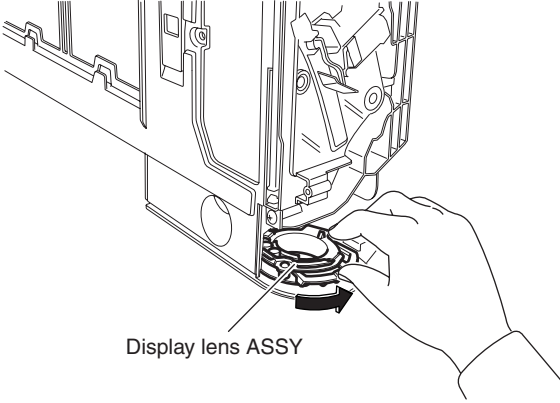
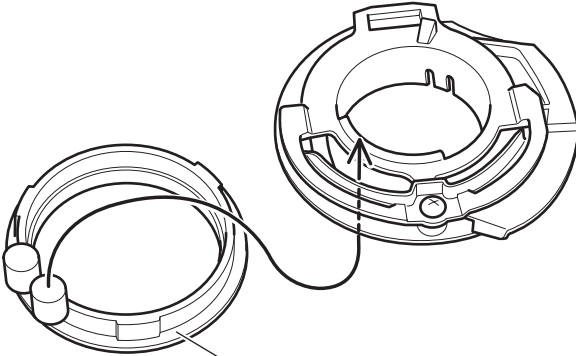
Step	Procedure	Points
4	Remove the shaft holder and the cover shaft.	
	 <p>(R12097)</p>	
5	Remove the shaft.	
	 <p>(R12098)</p>	

5. Display Lens ASSY



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 display lens ASSY by turning it counterclockwise.	
	 <p style="text-align: right;">(R12102)</p>	
2	Unfasten the hook and remove the cover.	
	 <p style="text-align: right;">(R12103)</p>	

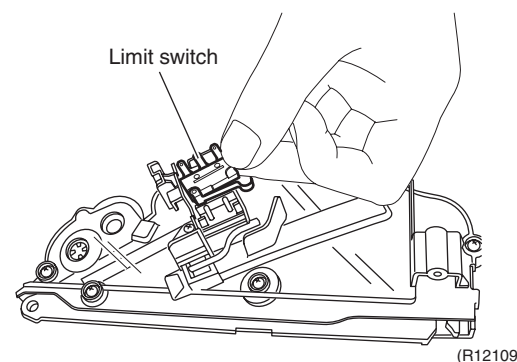
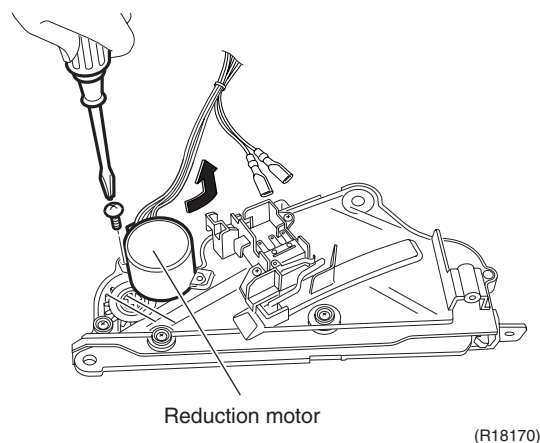
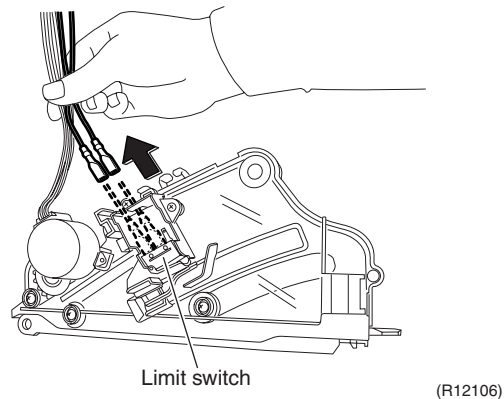
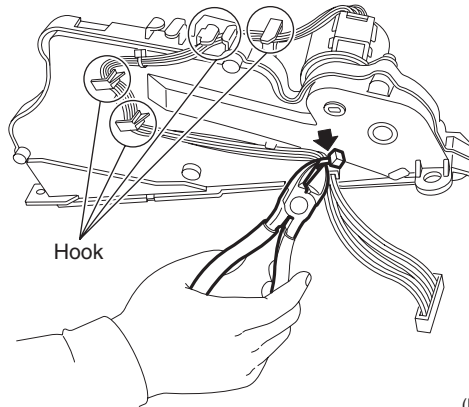
6. Reduction Motor / Limit Switch



Warning

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Step	Procedure	Points
1	Cut the clamp of the front panel mechanism ASSY (right).	
2	Release the harness from the 4 hooks.	
3	Pull out the terminals of the limit switch.	
4	Remove the screw of the reduction motor.	
5	Remove the reduction motor by turning it counterclockwise.	
6	Remove the limit switch.	

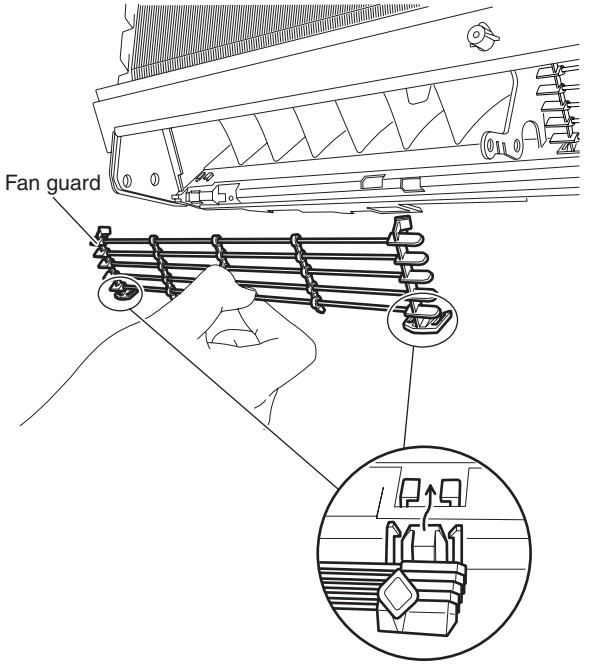
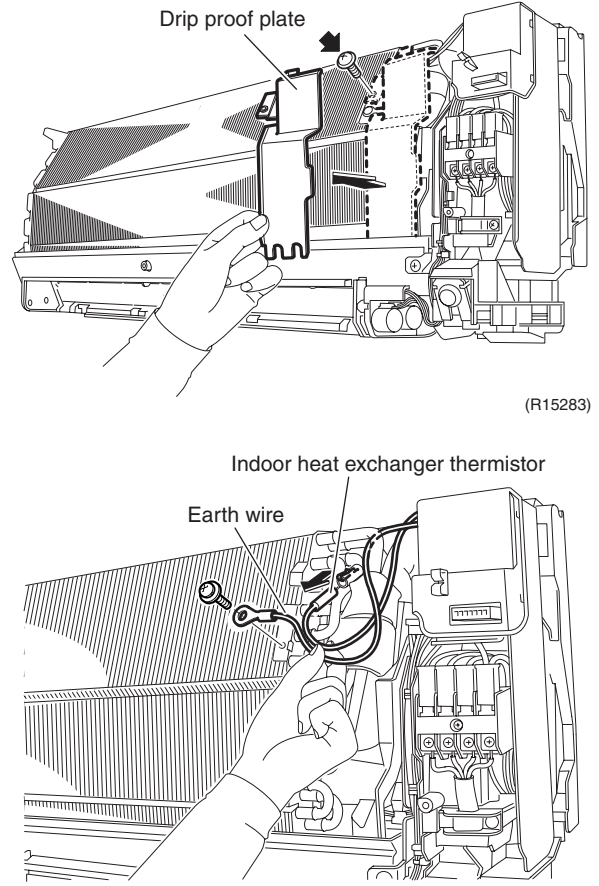


7. Fan Guards / Electrical Box

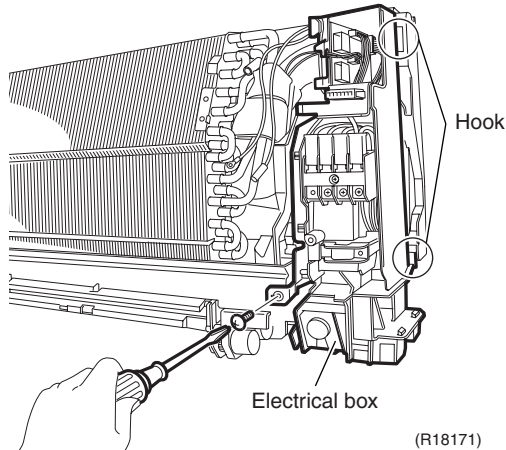
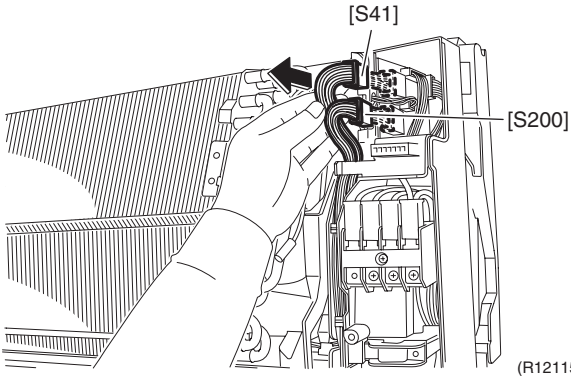
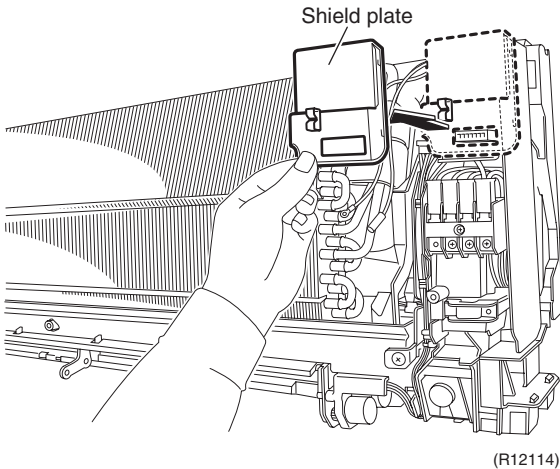
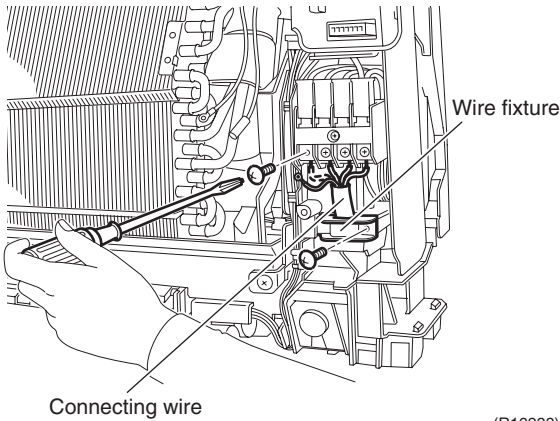


Warning

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Step	Procedure	Points
<p>1. Remove the fan guards.</p> <p>1 Unfasten the 2 hooks and remove the fan guard.</p>	 <p>Fan guard</p> <p>(R12110)</p>	<ul style="list-style-type: none"> ■ Use a sharp tool such as an awl to unfasten the lower hooks.
<p>2. Remove the electrical box.</p> <p>1 Remove the screw and remove the drip proof plate.</p> <p>2 Remove the screw and release the earth wire. Pull out the indoor heat exchanger thermistor.</p>	 <p>Drip proof plate</p> <p>Indoor heat exchanger thermistor</p> <p>Earth wire</p> <p>(R15283)</p> <p>(R12112)</p>	

Step	Procedure	Points
3	Remove the screws and release the connecting wires.	
4	Remove the screw and remove the wire fixture.	
5	Remove the shield plate.	
6	Disconnect the connectors for the swing motors [S41] and for the fan motor [S200].	
7	Release the harnesses.	
8	Remove the screw.	
9	Unfasten the 2 hooks and remove the electrical box.	



■ There are 2 hooks on the bottom frame. When reassembling, fit the rear side of the electrical box to the hooks.

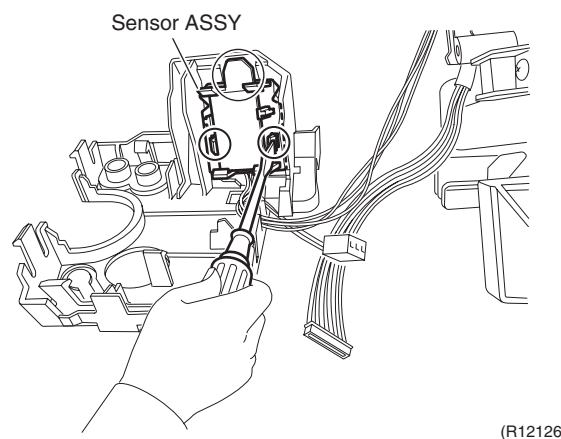
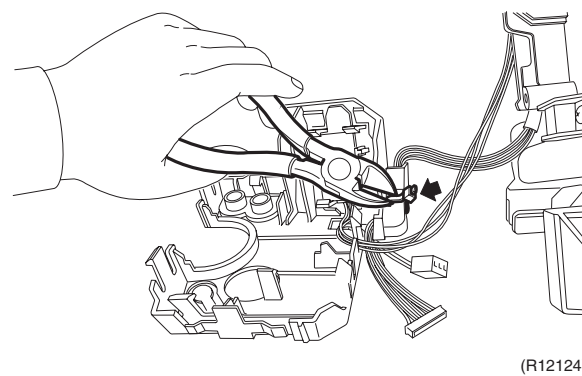
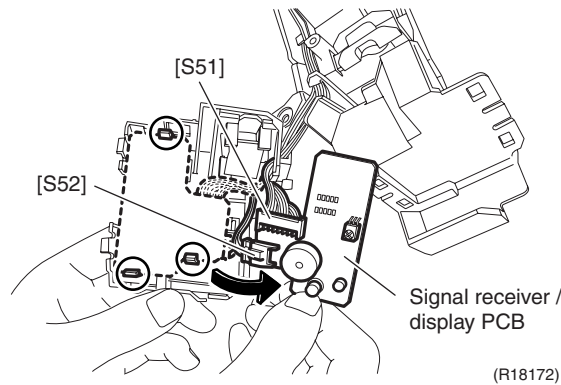
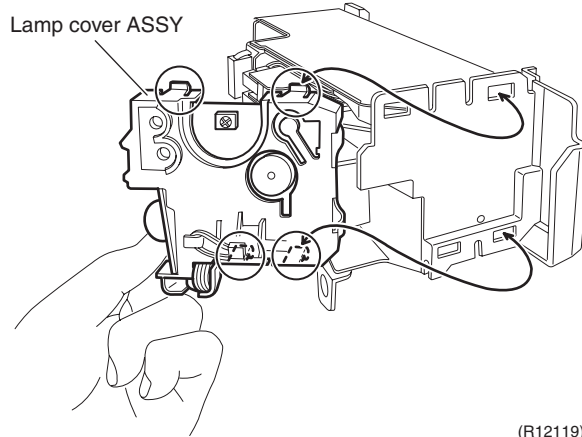
8. PCBs



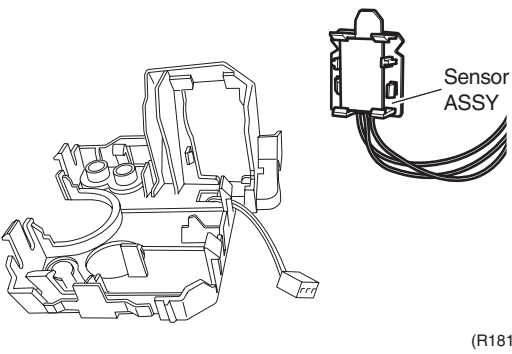
Warning

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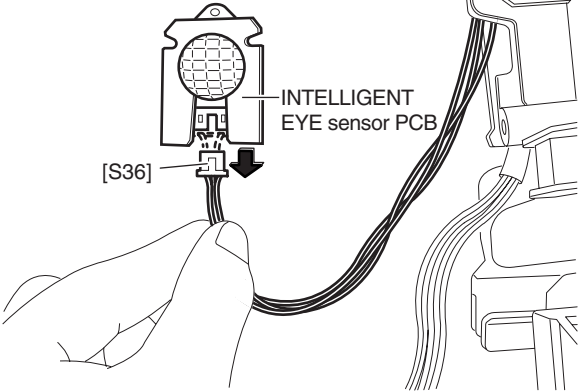
Step	Procedure	Points
1	Unfasten the 4 hooks and remove the lamp cover ASSY from the electrical box.	
2	Unfasten the 3 hooks and remove the signal receiver / display PCB.	
3	Disconnect the connectors for the control PCB [S51] and for the room temperature thermistor [S52].	[S51]: control PCB [S52]: room temperature thermistor
4	Cut the clamp and release the harness from the hook.	
5	Unfasten the 3 hooks of the sensor ASSY with a flat screwdriver.	



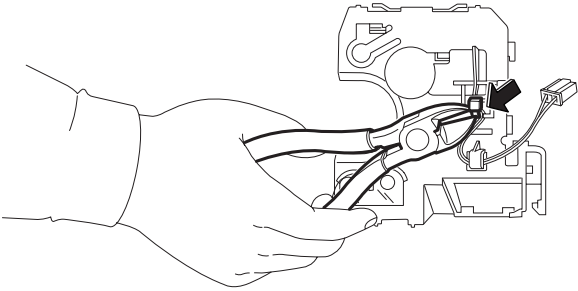
Step	Procedure	Points
6	Remove the sensor ASSY.	
7	Disconnect the connector [S36] from the INTELLIGENT EYE sensor PCB.	
8	Cut the clamp.	
9	Remove the shield plate.	



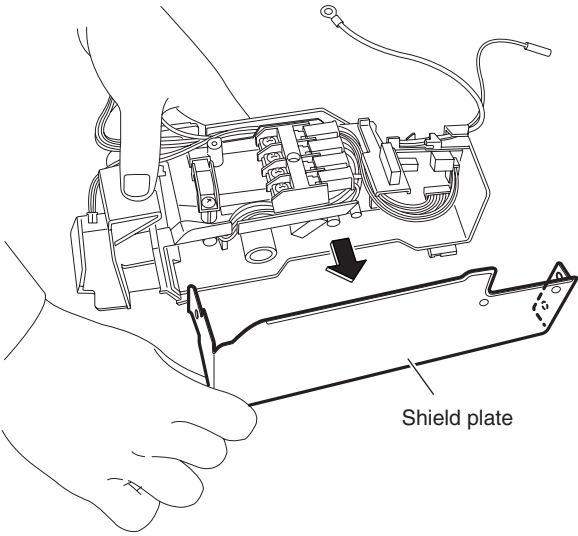
(R18173)



(R18234)

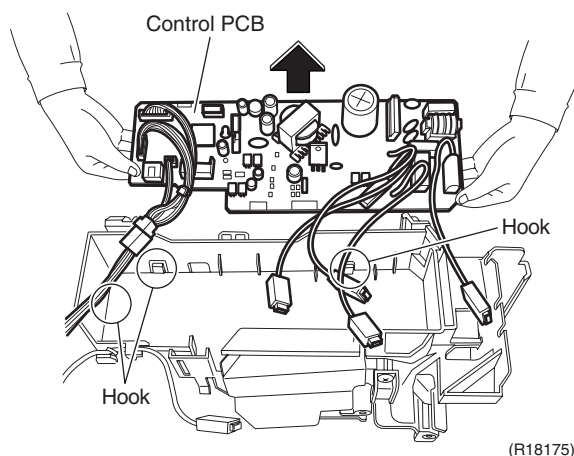
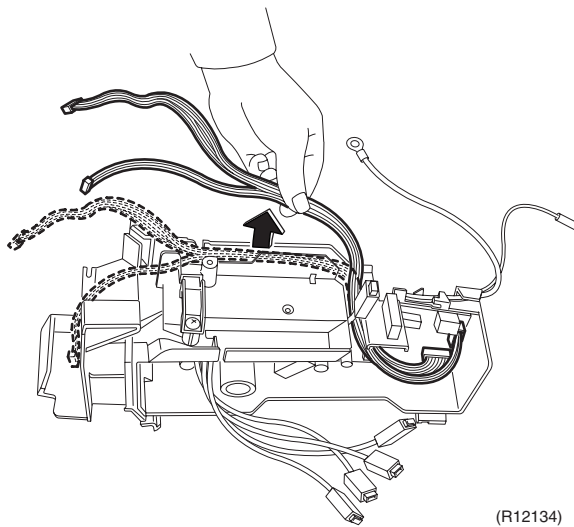
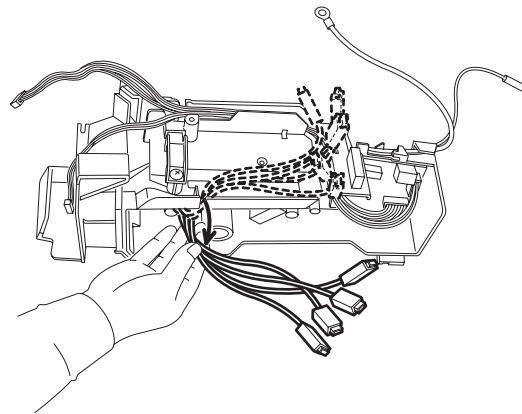
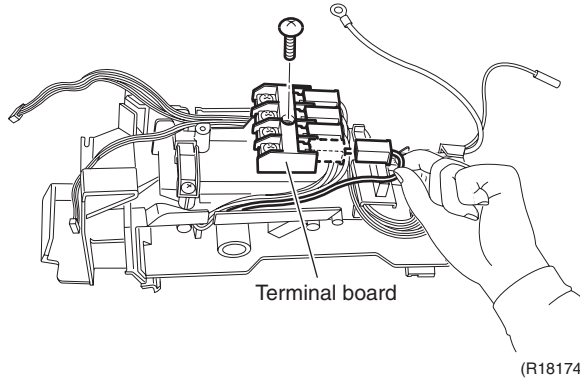


(R12129)



(R12130)

Step	Procedure	Points
10	Remove the screw of the terminal board.	
11	Pull out the terminals and remove the terminal board.	
12	Release the harnesses from the groove.	
13	Release the harnesses of the signal receiver / display PCB.	
14	Unfasten the 3 hooks and remove the control PCB.	



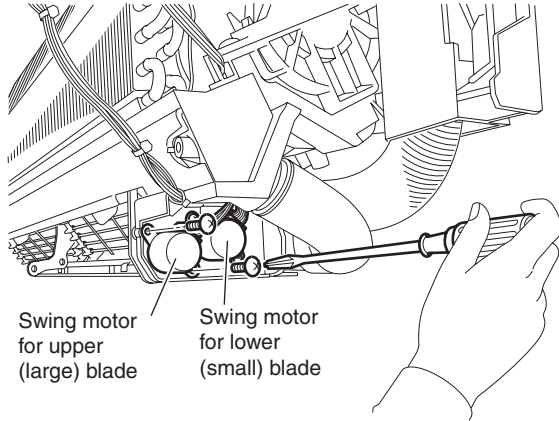
9. Swing Motors



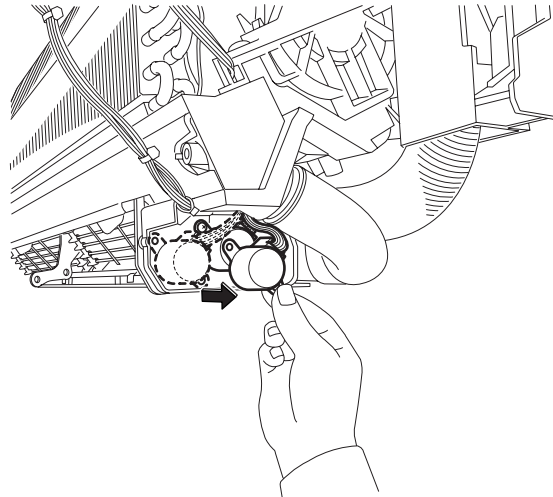
Warning

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Step	Procedure	Points
1	Remove the 2 screws of the swing motor.	<ul style="list-style-type: none"> ■ Connector color Upper blade: white Lower blade: red
2	Remove the swing motor.	<ul style="list-style-type: none"> ■ Remove the other swing motor in the same way.



(R12138)



(R12139)

10. Indoor Heat Exchanger



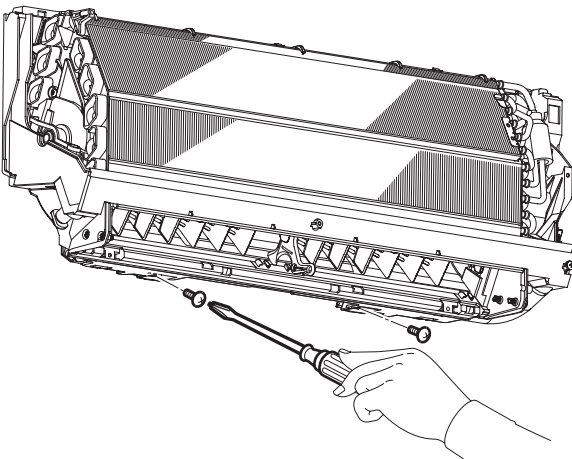
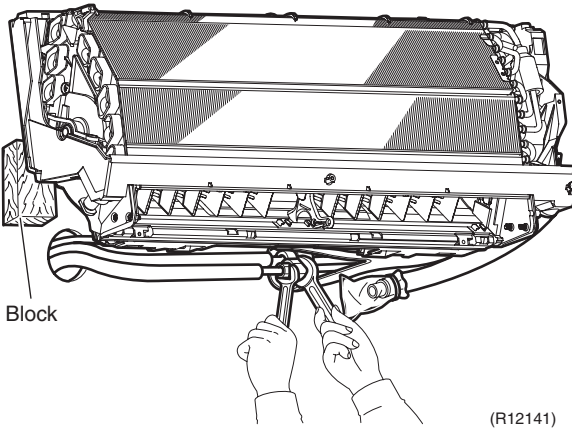
Warning

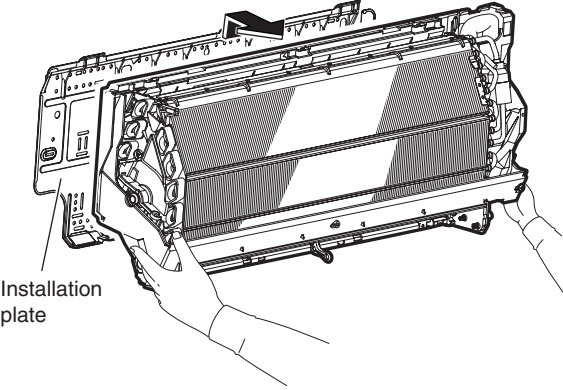
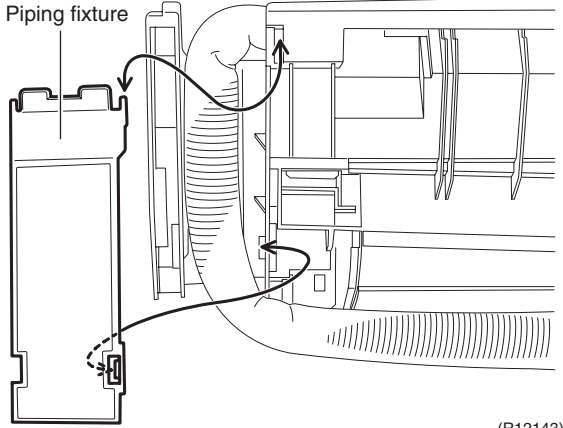
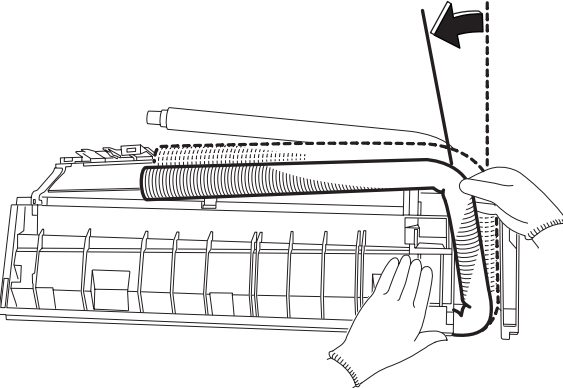
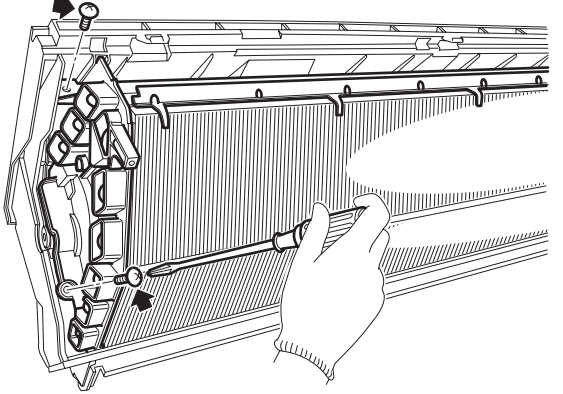
- ◆ Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- ◆ In pump-down work, be sure to stop the compressor before disconnecting the refrigerant pipe. If the refrigerant pipe is disconnected with the compressor operating and the stop valve open, air may be sucked in and may generate an over-pressure in refrigeration cycle, thus resulting in pipe rupture or accidental injury.

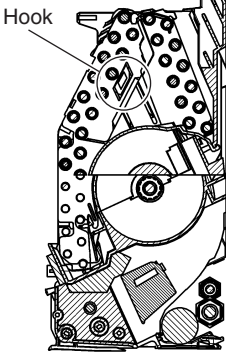
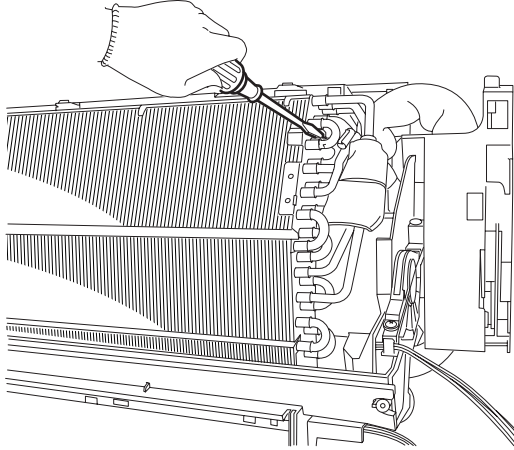
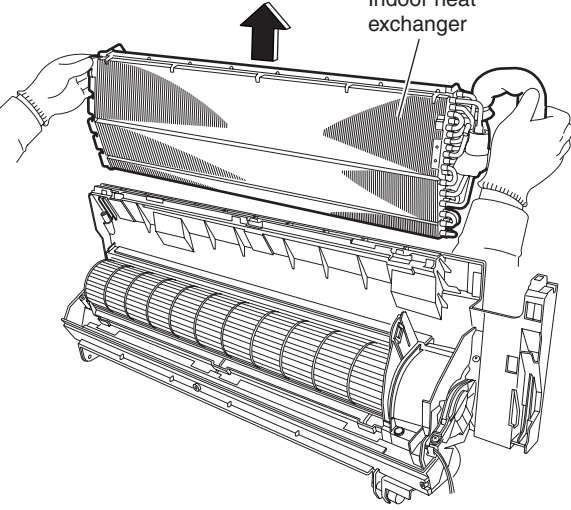


Caution

- ◆ 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.
- ◆ When removing or reinstalling the indoor heat exchanger, be sure to wear protective gloves or wrap the indoor heat exchanger with cloths. (You may be injured by the fins.)

Step	Procedure	Points
1. Disconnect the refrigerant piping. 1 Remove the 2 screws fixed to the installation plate. 2 Hold the indoor unit up with a block. 3 Disconnect the gas piping and the liquid piping.	 <p style="text-align: right;">(R12140)</p>  <p>Block</p> <p style="text-align: right;">(R12141)</p>	<ul style="list-style-type: none"> ■ Place a plastic sheet under the drain pan to prevent from wetting the floor with remaining drain. ■ If the drain hose is embedded in the wall, disconnect the drain hose beforehand. ■ When the pipings are disconnected, protect the both openings of pipe side and unit side from entering of moisture. ■ Carry out the removal work with 2 wrenches.

Step	Procedure	Points
2. Remove the indoor unit.	<p data-bbox="153 248 172 275">1</p> <p data-bbox="201 248 453 344">Detach the indoor unit from the installation plate.</p>  <p data-bbox="496 517 600 568">Installation plate</p> <p data-bbox="999 629 1062 651">(R12142)</p>	
3. Remove the indoor heat exchanger.	<p data-bbox="153 741 172 768">1</p> <p data-bbox="201 741 453 869">Unfasten the hook of the piping fixture at the back of the indoor unit and pull out the pipe.</p>  <p data-bbox="496 685 624 707">Piping fixture</p> <p data-bbox="999 1111 1062 1133">(R12143)</p> <p data-bbox="153 1137 172 1164">2</p> <p data-bbox="201 1137 400 1200">Slightly widen the auxiliary pipe.</p>  <p data-bbox="999 1547 1062 1570">(R12144)</p> <p data-bbox="153 1581 172 1608">3</p> <p data-bbox="201 1581 453 1671">Remove the 2 screws on the left side of the unit.</p>  <p data-bbox="999 2007 1062 2029">(R12145)</p>	

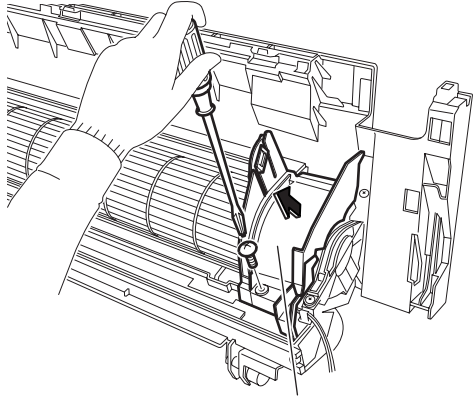
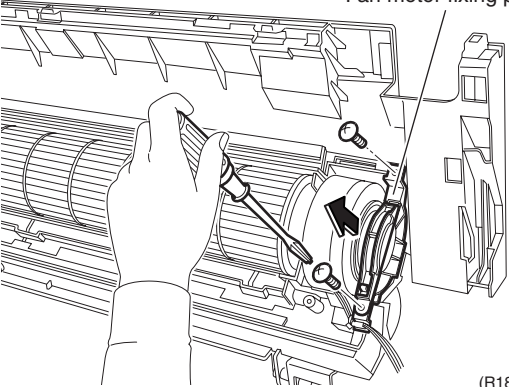
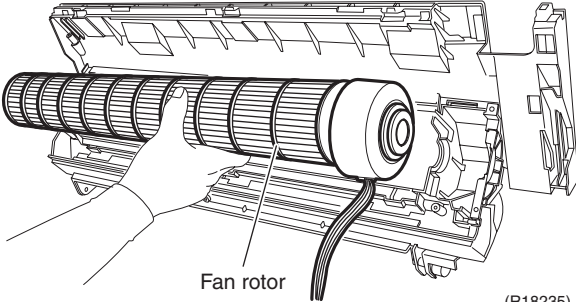
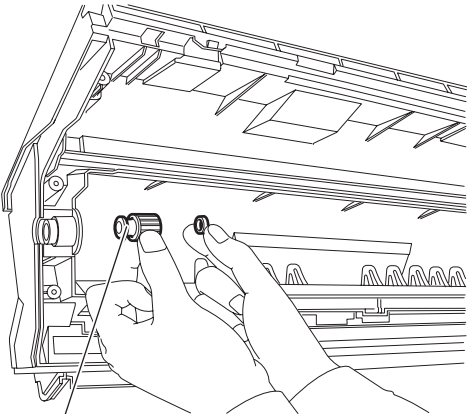
Step	Procedure	Points
4	Unfasten the hook on the right side of the unit with a flat screwdriver.	<ul style="list-style-type: none"> ■ When reassembling, engage the hook.
5	Remove the indoor heat exchanger.	 <p>(R12159)</p>
	 <p>(R12146)</p>  <p>(R12147)</p>	

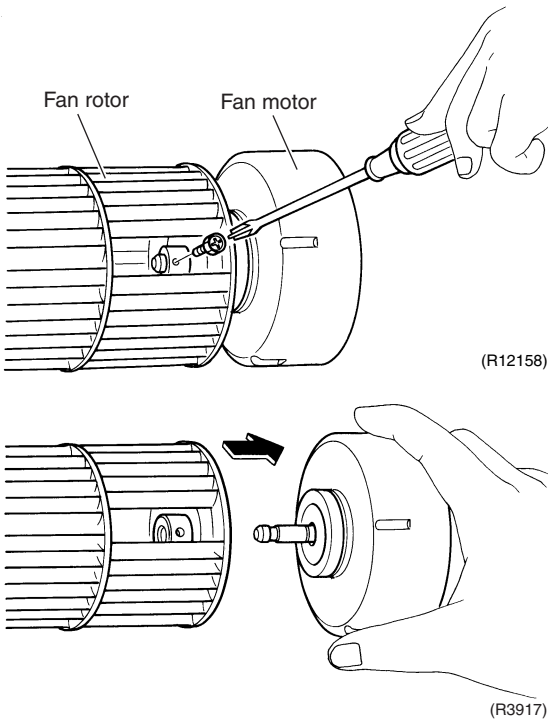
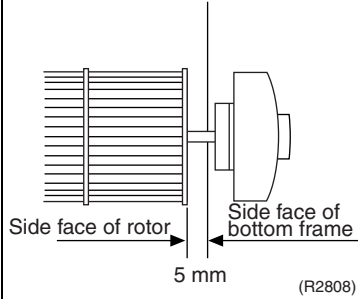
11. Fan Rotor / Fan Motor



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 right side panel.	 <p style="text-align: center;">Right side panel (R18176)</p>	<p>■ You can remove the fan rotor without detaching the right side panel.</p>
2. Remove the fan rotor.	 <p style="text-align: center;">Fan motor fixing plate (R18177)</p>	
1 Remove the 2 screws.		
2 Remove the fan motor fixing plate.		
3 Remove the fan rotor.	 <p style="text-align: center;">Fan rotor (R18235)</p>	
4 Remove the bearing.	 <p style="text-align: center;">Bearing (R12153)</p>	

Step	Procedure	Points
3. Remove the fan motor.	<p data-bbox="197 244 464 309">1 Remove the screw and remove the fan motor.</p> 	<ul style="list-style-type: none"> <li data-bbox="1086 210 1457 405">■ When reassembling the fan motor and the fan rotor, provide as much as 5 mm of play between the side face of the rotor and the bottom frame. 

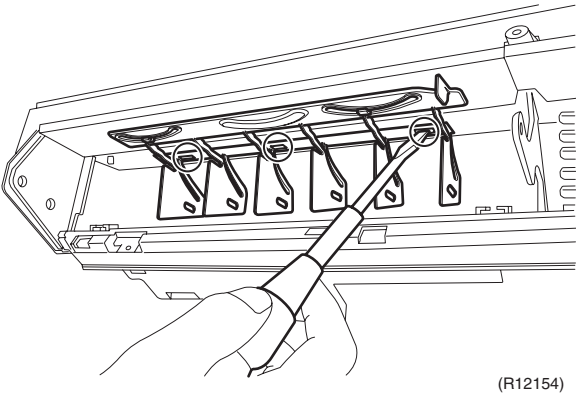
12. Vertical Blade ASSYs



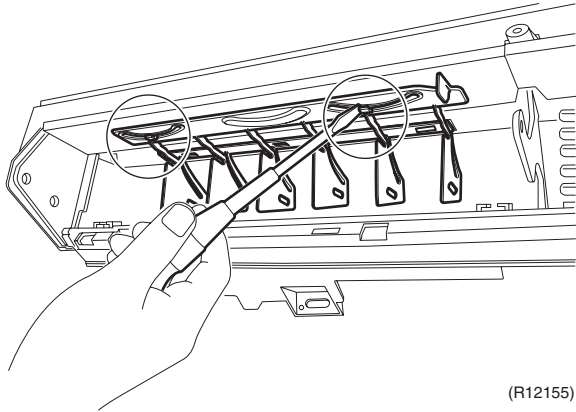
Warning

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

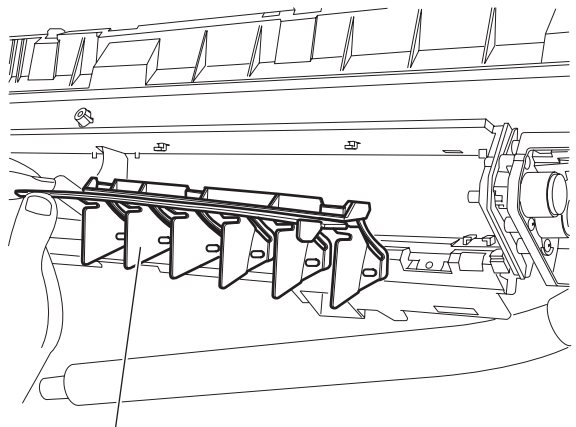
Step	Procedure	Points
1	Unfasten the 3 hooks at the shaft mounting part by pressing them with a flat screwdriver.	<ul style="list-style-type: none"> ■ A vertical blade ASSY has 6 fins. It is impossible to replace only one fin. ■ The vertical blade ASSY is not marked for difference between right and left.
2	Unfasten the hooks at the upper 2 positions with a flat screwdriver.	
3	Remove the vertical blade ASSY.	



(R12154)



(R12155)



Vertical blade ASSY

(R12156)

Revision History

Month / Year	Version	Revised contents
11 / 2012	Si041256	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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