

# REMOVAL PROCEDURE



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

### 3.5/5.0/6.0 kW Class



Indoor Unit



Inverter



Floor / Ceiling  
Suspended Dual Type



# **Service Manual Removal Procedure**

## **Indoor Unit**

### **●Heat Pump**

**FLXS35BVMA**

**FLXS35GVMA**

**FLXS50GVMA**

**FLXS60GVMA**

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**Note:**

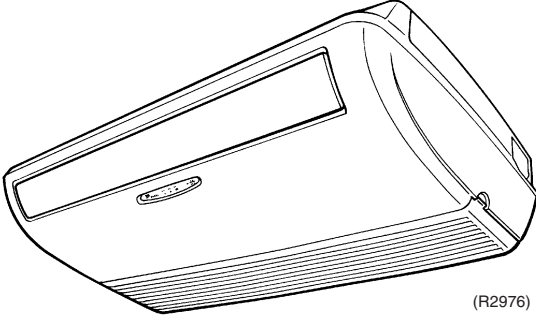
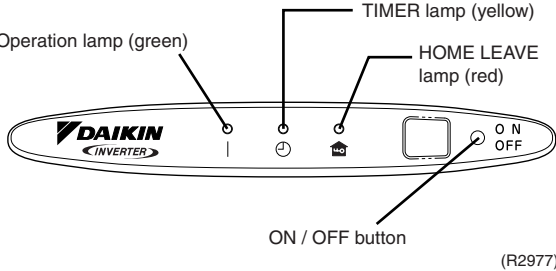
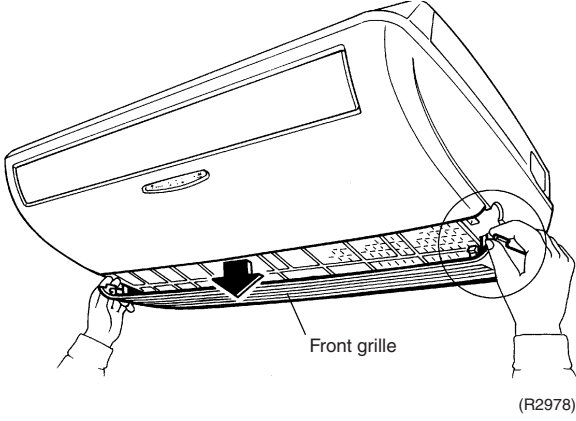
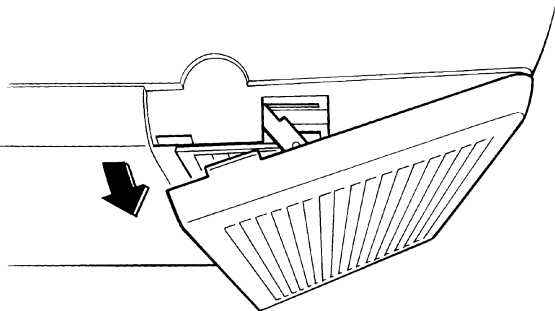
- ◆ The illustrations may be slightly different depending on the model.

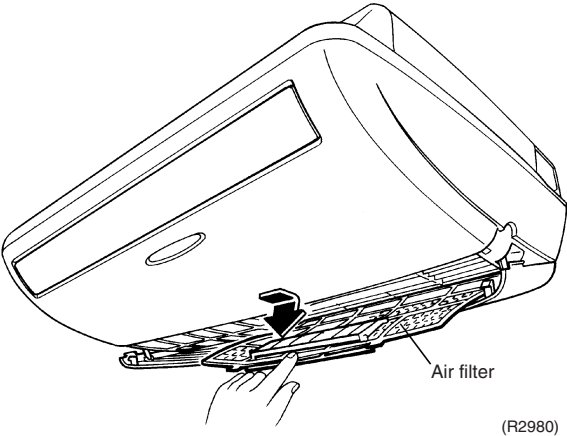
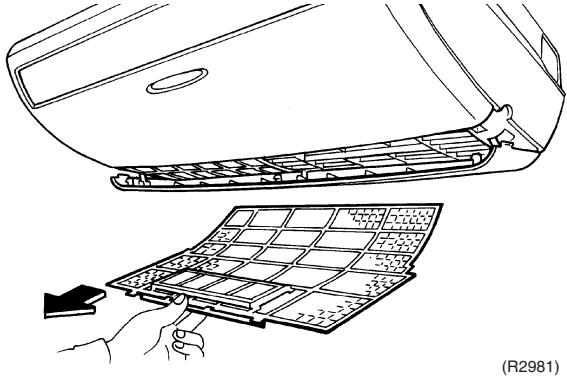
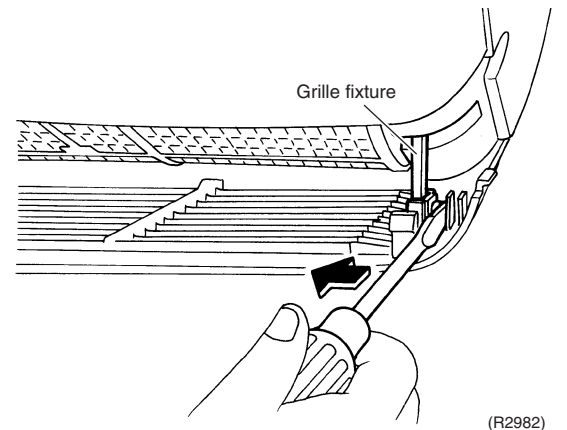
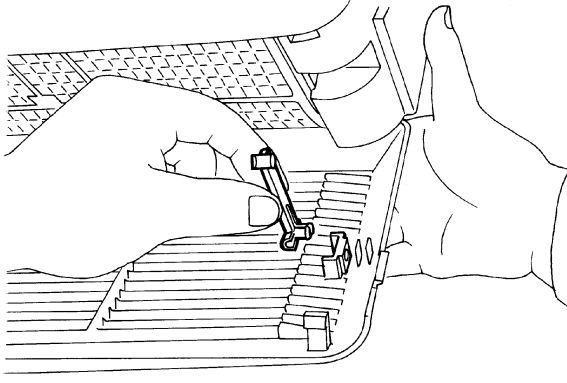
# 1. Removal of Air Filters / Front Grille

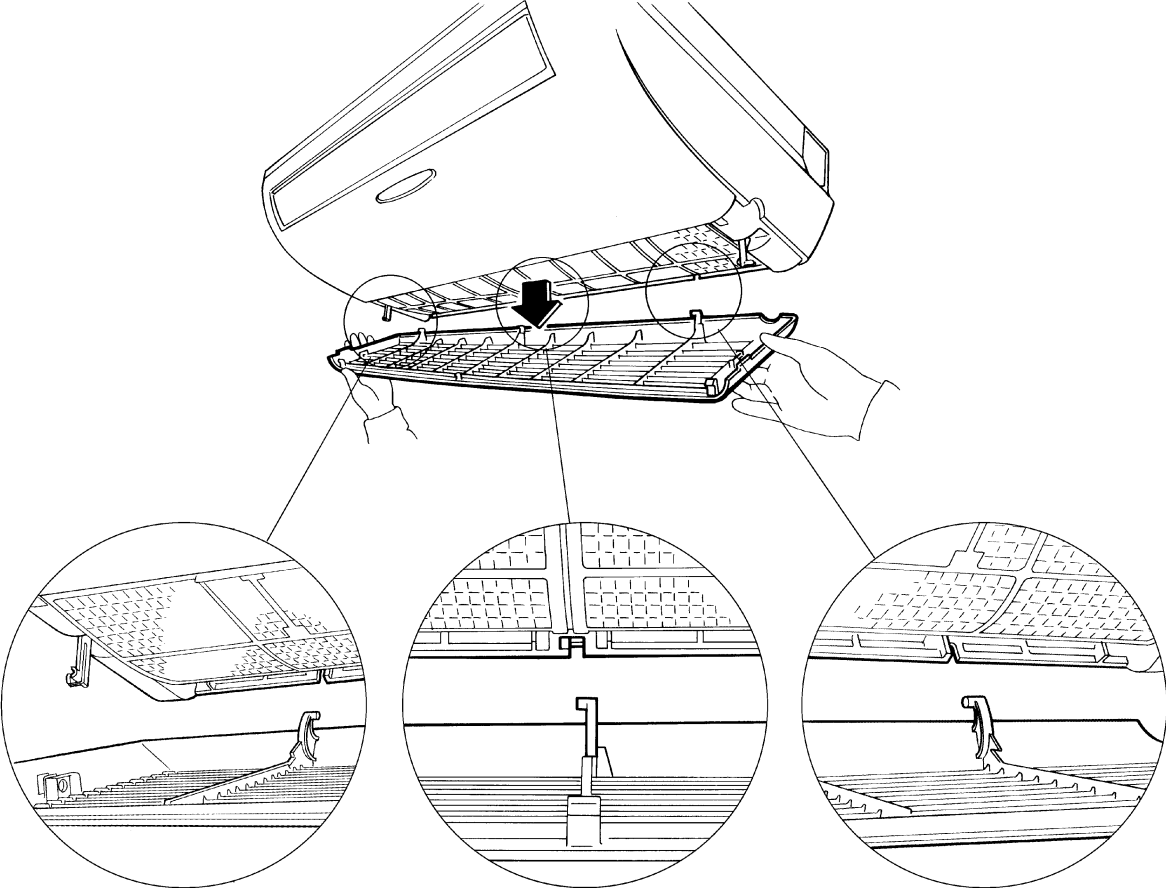
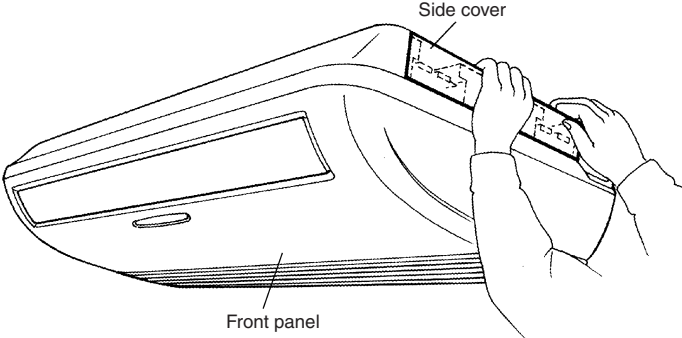
**Procedure**



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

Step	Procedure	Points
<p>1. External appearance</p> <p>■ The illustrations are given as the ceiling-suspended type.</p>	 <p>(R2976)</p>  <p>(R2977)</p>	<p><b>Note:</b> The removal procedure is the same for the floor-mounted type.</p>
<p>2. Remove the air filters.</p>	<p>1 Pull the protrusions on the both sides of the front grille and open it.</p>  <p>(R2978)</p>  <p>(R2979)</p>	

Step	Procedure	Points
2	Hold the tab at the center of the air filter frame and pull the air filter forward.	<ul style="list-style-type: none"> <li>■ Installing air filters can be done easily by sliding along the guide.</li> </ul>
3	Pull the air filter along the guide and remove it.	
3. Remove the front grille.		
1	Remove the 2 grille fixtures (right and left sides), using a flat screwdriver.	
 		
 		

Step	Procedure	Points
2	To remove the front grille, unfasten the hooks at 3 locations.	 <p data-bbox="1302 1234 1361 1256">(R2984)</p>
4. Remove the side cover.	<p data-bbox="153 1328 467 1350">1 Remove the side cover.</p> <p data-bbox="197 1361 467 1621"><b>Note:</b> If it is difficult to remove the side cover from outside with fingers, remove the front panel first, then push the side cover from inside to outside.</p>	 <p data-bbox="1110 1682 1169 1704">(R2985)</p>


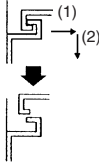
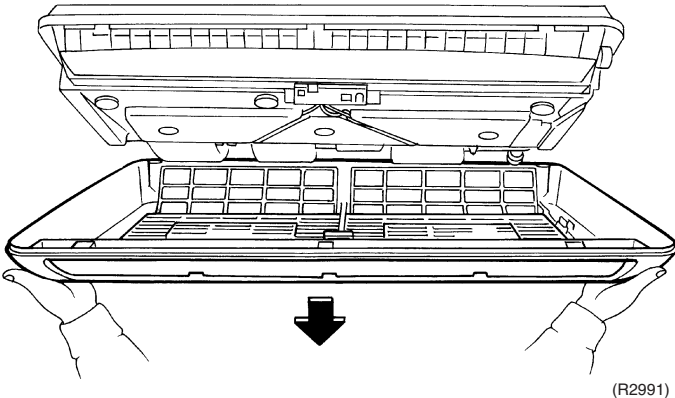
## 2. Removal of Front Panel

**Procedure**



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

Step	Procedure	Procedure	Points
1	Remove the 4 screws of the front panel.	<p>Front panel</p> <p>(R2986)</p>	<p><b>Note:</b> For the ceiling-suspended type, remove drain hose before removing the screws.</p>
2	Remove the 3 screw covers at the front of the front panel.	<p>To open the screw cover</p> <p>(R14196)</p>	
3	Remove the 3 screws.	<p>(R2988)</p>	

Step	Procedure	Points
4	Unfasten the 3 hooks of the front panel.	 <b>Caution</b> For ceiling-suspended type, be careful that the front panel may fall when the hooks are disengaged. To prevent the front panel from falling down, this work should be done by 2 persons.
5	Press (A) section slightly at the center of the front panel, and unfasten the hook.	
6	Remove the front panel.	(R14197)
		(R2991)

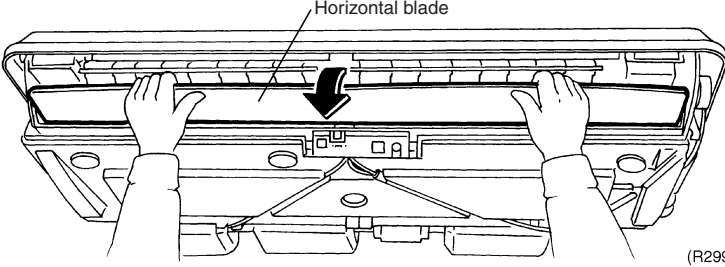
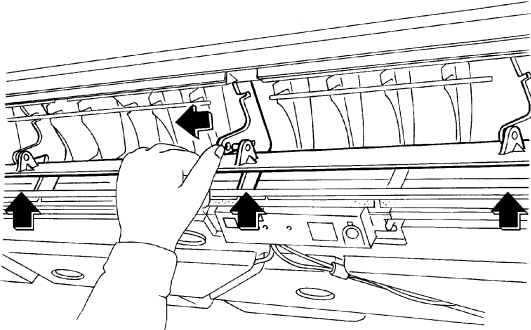
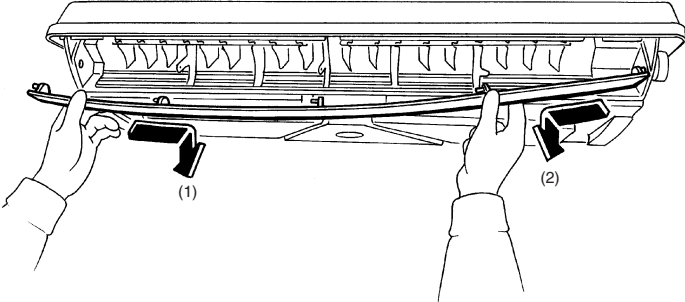


### 3. Removal of Horizontal Blade

#### Procedure



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

Step	Procedure	Procedure	Points
1	Open the horizontal blade.	 <p>(R2992)</p>	
2	Deflect the 3 center bearings to the left side slightly, and release the shafts of the horizontal blade.	 <p>(R2993)</p>	
3	Bend the horizontal blade slightly to release the shafts from bearings at the both ends. (Release the left side shaft first.)	 <p>(R14198)</p>	

# 4. Removal of Signal Receiver Unit / Swing Motor

**Procedure**



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

Step	Procedure	Points
<p>1. Remove the signal receiver unit.</p>	<p style="text-align: center;">Signal receiver unit</p> <p style="text-align: right;">(R2995)</p>	
<p>2. Remove the wire harness of the signal receiver unit from the groove.</p>	<p style="text-align: right;">(R2997)</p>	<p><b>Note:</b> Rearrange the wire harness in position as it was when reassembling signal receiver unit.</p>
<p>2. Remove the swing motor.</p>	<p style="text-align: center;">Swing motor</p> <p style="text-align: right;">(R2998)</p>	
<p>1. Remove the 2 screws and remove the swing motor.</p>	<p style="text-align: right;">(R2998)</p>	

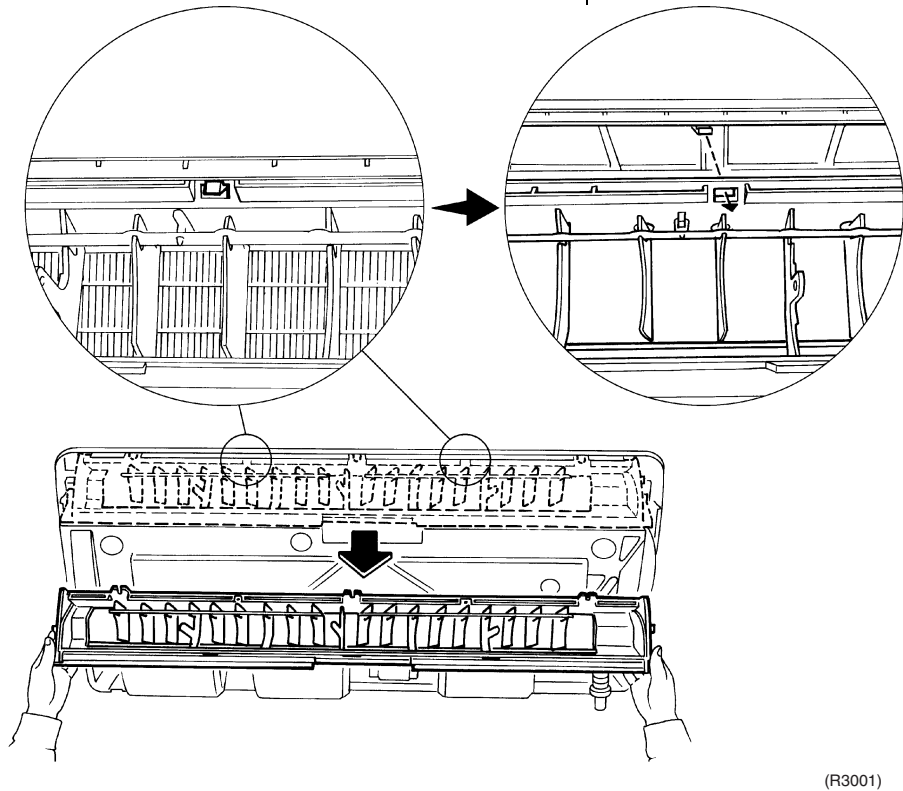
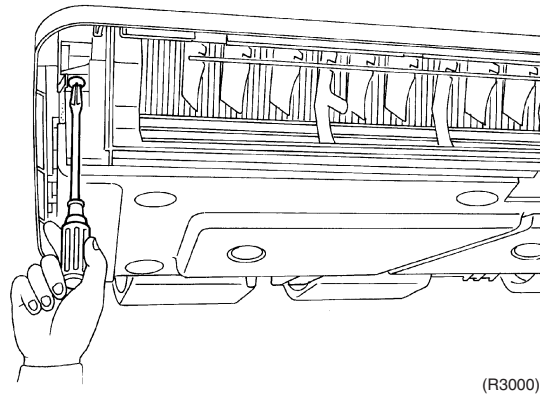
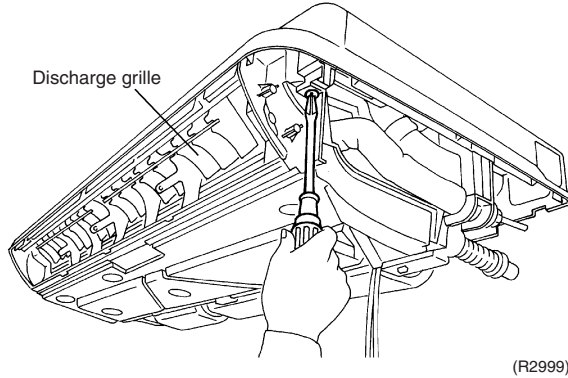
# 5. Removal of Discharge Grille

**Procedure**



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

Step	Procedure	Points
1	Remove the 2 screws.	
2	Unfasten the 2 hooks (right and left sides) and remove the discharge grille by pulling it forward.	



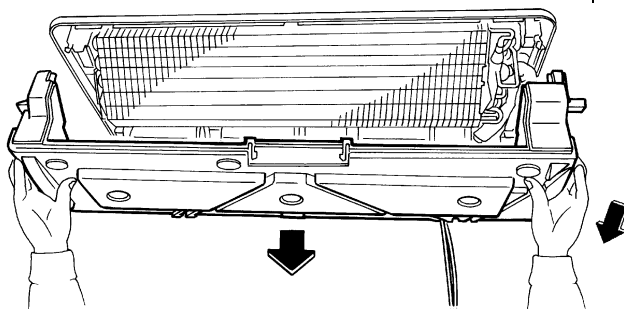
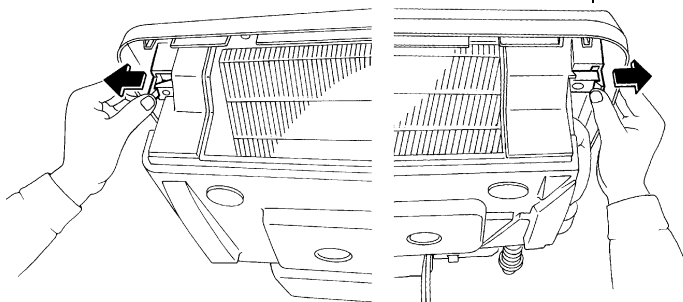
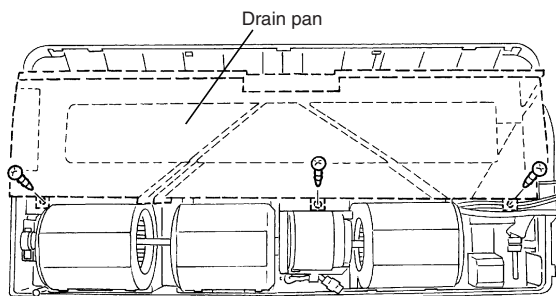
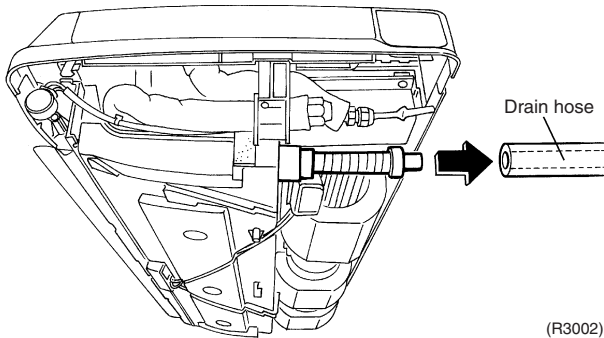
# 6. Removal of Drain Pan

**Procedure**



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

Step	Procedure	Points
1	Disconnect the drain hose.	<p><b>Caution</b> Be careful not to wet the floor with drain water.</p>
2	Remove the 3 screws securing the suction side of the drain pan.	(R3002)
3	Unfasten the 2 hooks located at both sides.	(R3004)
4	Slide the drain pan toward the suction side and remove it.	(R3005)

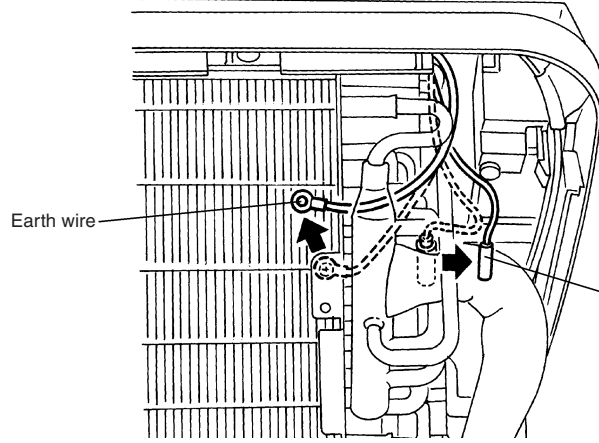
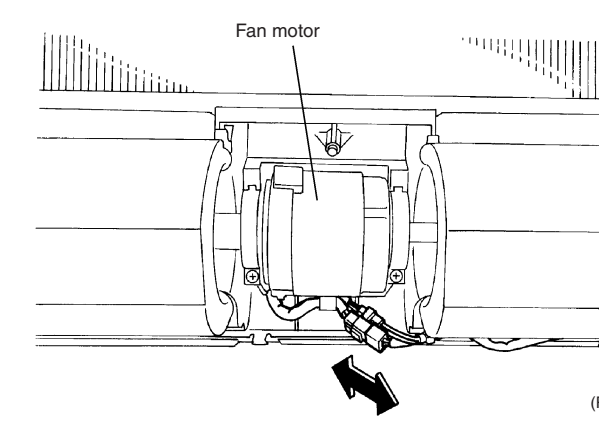
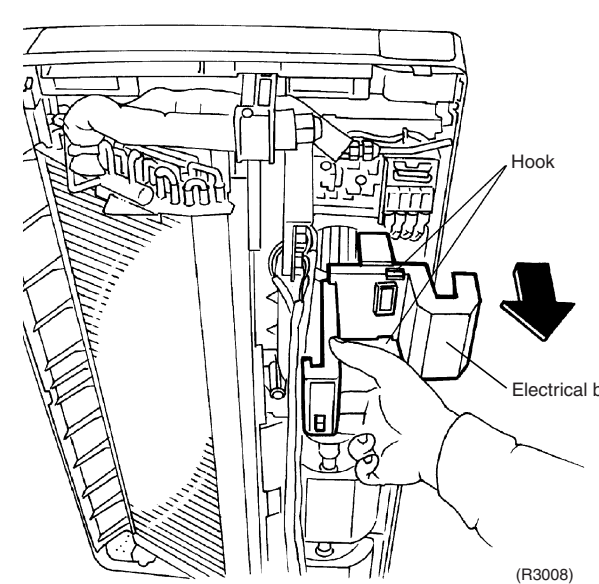


## 7. Removal of Electrical Box / PCBs

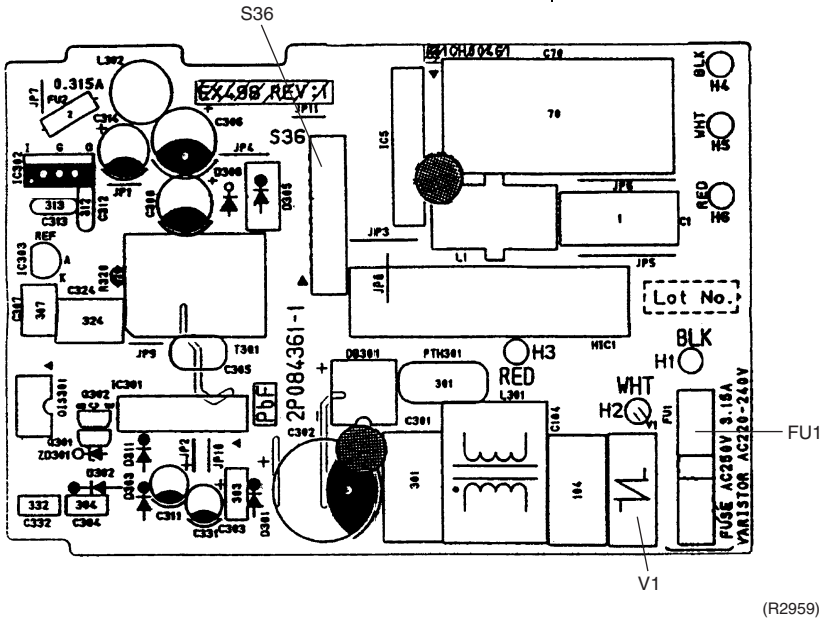
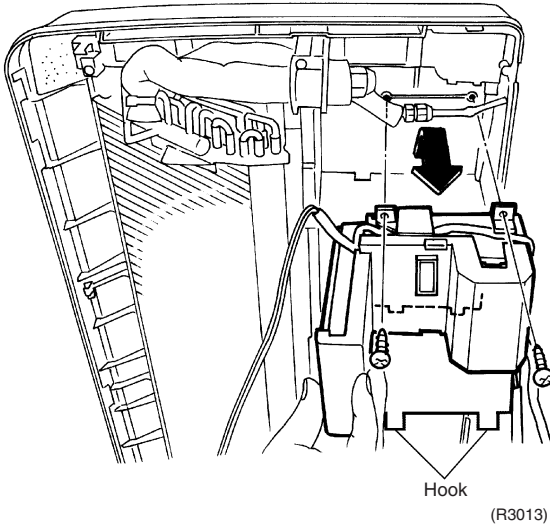
### Procedure



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

Step	Procedure	Points
1. Remove the PCBs.	 <p>Earth wire</p> <p>Indoor heat exchanger thermistor</p> <p>(R3006)</p>	<p>■ Clamp the harnesses and wires with clips as they were when reassembling. Negligence of above procedure may result in catching wire with the front panel and may cause malfunction.</p>
2. Disconnect the 2 relay harnesses at the rear side of the fan motor.	 <p>Fan motor</p> <p>(R3007)</p>	
3. Remove the electrical box cover. (Unfasten the 2 hooks.)	 <p>Hook</p> <p>Electrical box cover</p> <p>(R3008)</p>	

Step	Procedure	Points
4	The illustration shows the control PCB.	(R3009)
5	Disconnect the terminals from the terminal board.	(R2958)
		(R14206)

Step	Procedure	Points
6	The illustration shows the power supply PCB.	 <p>(R2959)</p>
2. Remove the electrical box.	<p>1 Remove the 2 screws. Remove the electrical box by sliding it to unfasten the hooks located at the opposite side of the electrical box.</p>	 <p>■ Slide the electrical box to the right side first to unfasten the hooks.</p>

# 8. Removal of Fan Rotor / Fan Motor

**Procedure**

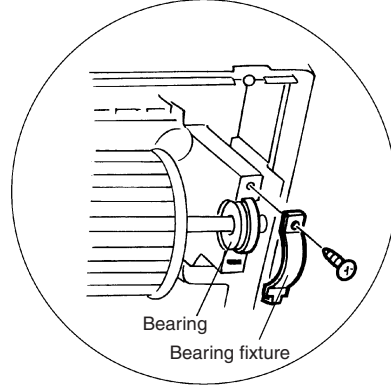
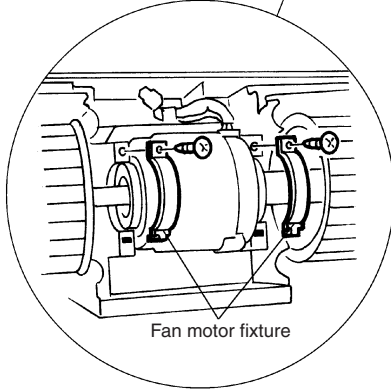
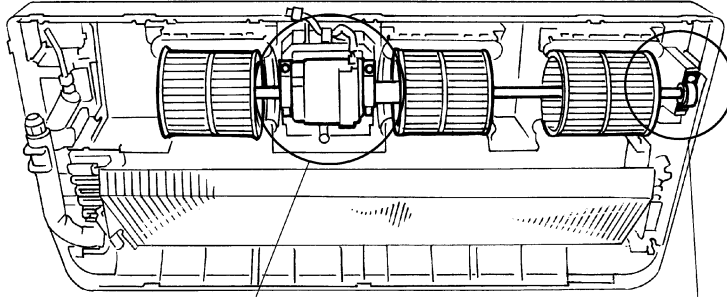


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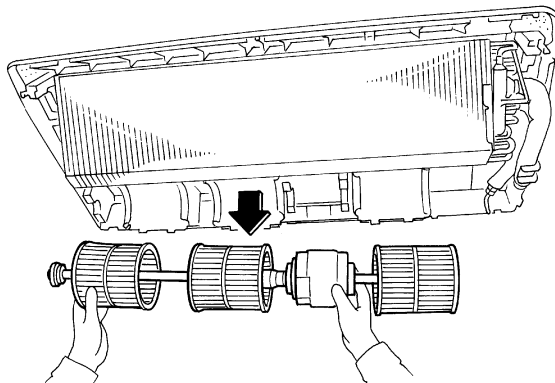
Step	Procedure	Points
1	<p>Remove the 3 fan rotor covers. (Securing hooks are located at A and B-section.)</p>	  
<p>■ The right illustration shows the opposite side.</p>		
2	<p>Disconnect the 2 relay harnesses at the rear side of the fan motor and unclamp the harness from the hook.</p>	



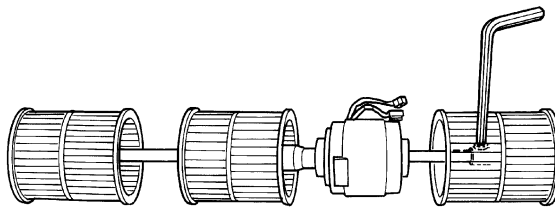
Step	Procedure	Points
3	Remove the 2 screws to remove the fan motor fixtures.	
4	Remove the screw to remove the bearing fixture.	
5	Release the shaft supporting section using a hexagonal wrench (for M6) to remove the fan motor.	



(R3018)



(R3019)



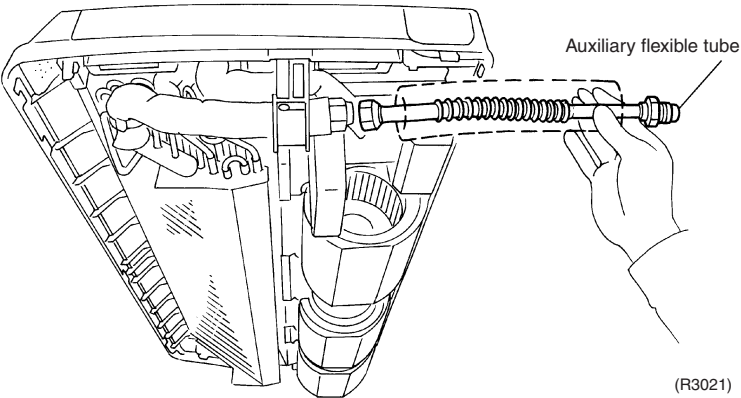
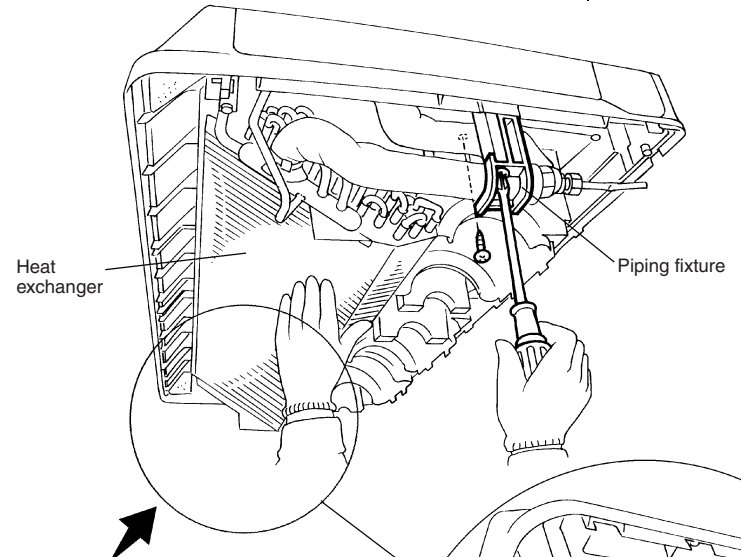
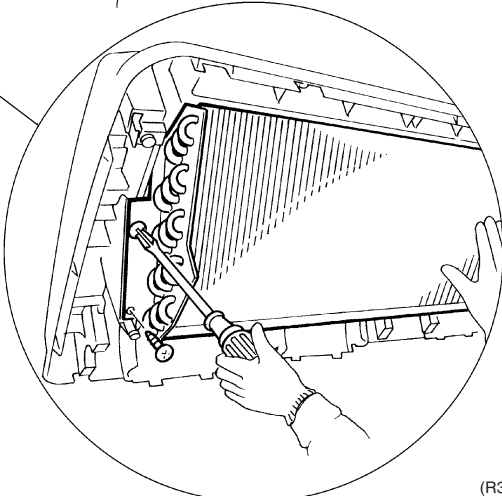
(R3020)

# 9. Removal of Indoor Heat Exchanger

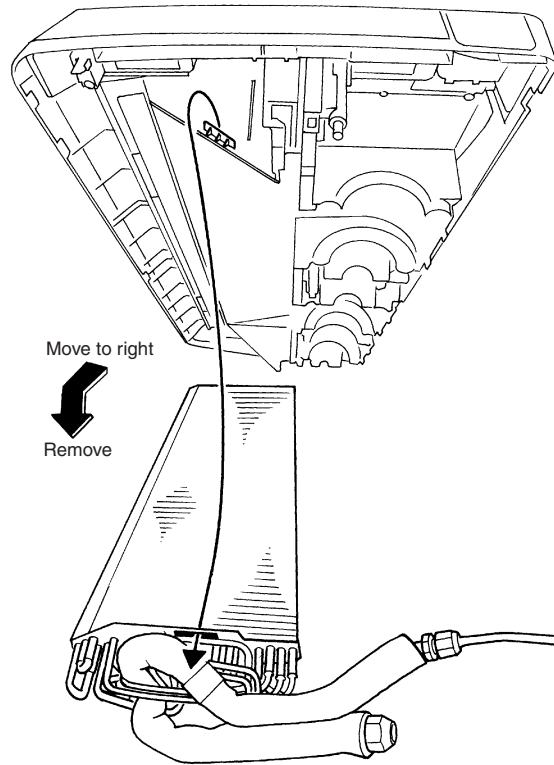
**Procedure**



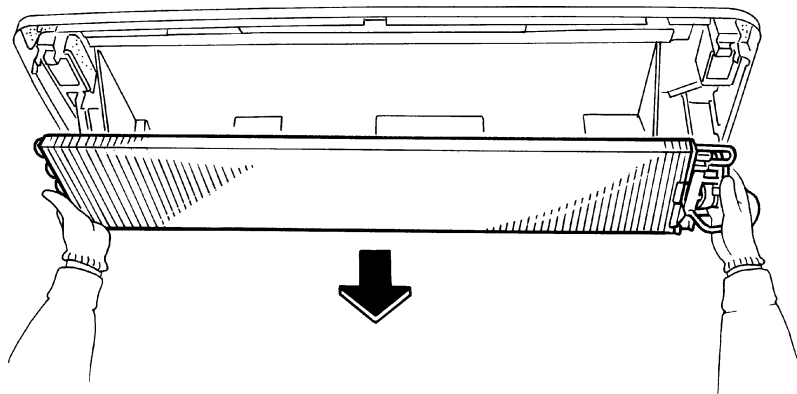
**Warning** Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
<p>■ Be sure to conduct pump down operation before disassembling the refrigerant pipe.</p>		<p>(R3021)</p> <p>■ To prevent the indoor heat exchanger from falling down, the work should be done by 2 persons.</p>
<p>1 Disconnect the auxiliary flexible tube.</p>	<p>2 Remove the 2 screws of the piping fixture.</p> 	<p>3 Remove the 2 screws at the left side of the indoor heat exchanger.</p>  <p>(R3022)</p>
		<p><b>Caution</b></p> <p>When removing or reinstalling the indoor heat exchanger, be sure to wear protective gloves or wrap the indoor heat exchanger with cloths. (Fins can cut fingers.)</p>

Step	Procedure	Points
4	Hook is located on the right side behind the indoor heat exchanger.	<p><b>Warning</b>                      Do not contaminate any gas (including air) other than the specified refrigerant (R-410A) into refrigerating cycle. (Contaminating of air or other gas causes abnormal temperature rise in refrigerating cycle, and this results in pipe breakage or personal injuries.)</p>
5	Slide the indoor heat exchanger to the right to release the hook.	<p><b>Warning</b>                      If gas leaks, repair the spot of leaking, then collect all refrigerant from the unit. After conducting vacuum drying, charge proper amount of refrigerant.</p>
6	Remove the indoor heat exchanger.	



(R14207)



(R3024)

# Revision History

Month / Year	Version	Revised contents
06 / 2013	Si05-860	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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