






Si211307E

REMOVAL PROCEDURE



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

3 HP Class

-  Indoor Unit
-  Non-Inverter
-  Pair Type



Service Manual Removal Procedure

Indoor Unit

Applicable Models

- **Heat Pump**
FHY71FVE

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1. Procedure to Remove Air Filter and Suction 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 The air filter is mounted behind the suction grille.</p> <p>2 Push the 2 tabs and open the suction grilles.</p> <p>3 Push the air filter installation panel from 2 places in the direction of the arrow, and pull the air filter out toward yourself.</p>		
<p>4 Grip the air filter installation filter installation tabs and remove the air filter.</p>		
<p>5 Remove the suction grille.</p>		

2. Procedure to Remove Electrical Parts and PCB

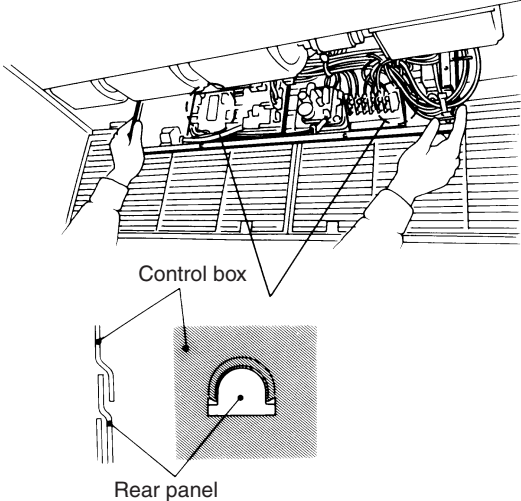
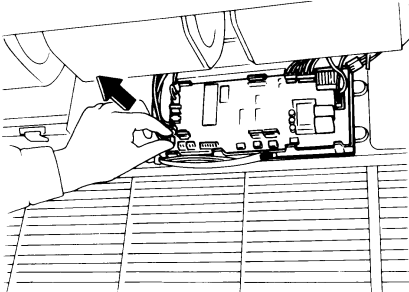
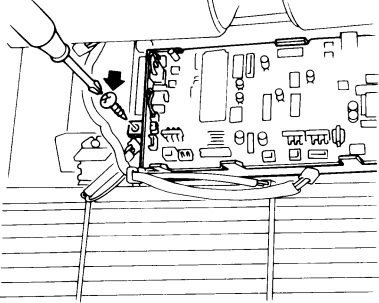
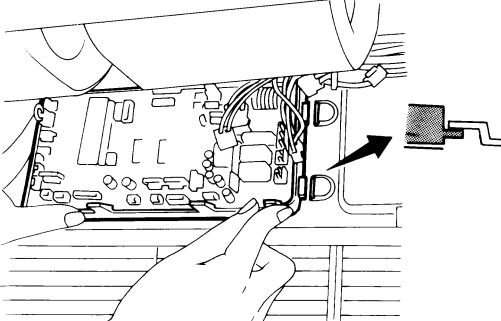
Procedure



Warning

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

Step	Procedure	Points
<p>*Remove the air filter according to the procedures for removing the air filter and suction grille.</p>		
<p>1 After removing the reinforce stay (1 installation screw), loosen the 2 screws of the control box cover and remove the control box cover.</p>		
<p>2 Remove the 2 screws of the control box.</p>		

Step	Procedure	Points
3	<p>Pull open the control box and let it hang by the 2 locations in the rear. Electrical parts can now be removed.</p>	
	 <p>The diagram shows a person's hands pulling the control box away from the rear panel. A callout shows a close-up of the rear panel with a semi-circular cutout labeled 'Rear panel'.</p>	
4	<p>Disconnect the connector mounted on the PCB.</p>	
	 <p>The diagram shows a hand using a screwdriver to disconnect a connector from the PCB.</p>	
5	<p>Remove the PCB installation screw.</p>	
	 <p>The diagram shows a hand using a screwdriver to remove a screw from the PCB.</p>	
6	<p>Slide the PCB to the left away from the tabs on the right, and remove the PCB.</p>	
	 <p>The diagram shows a hand sliding the PCB to the left, away from the tabs on the right.</p>	

3. Procedure to Remove Horizontal Blade

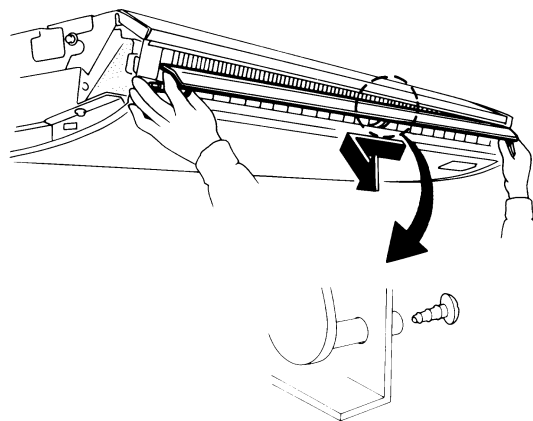
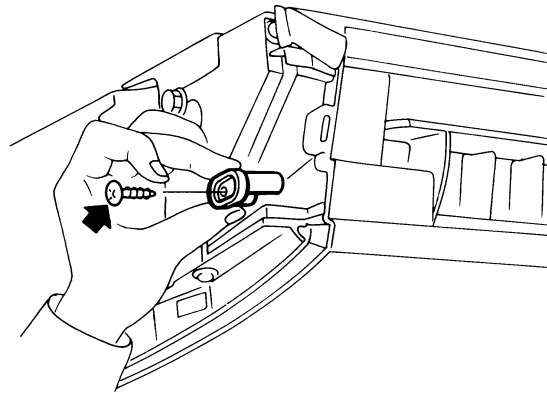
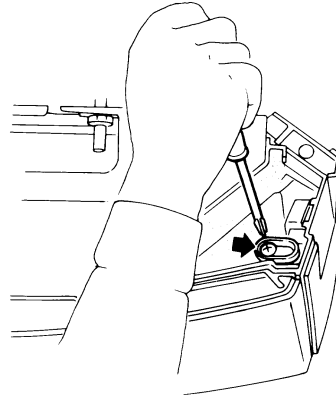
Procedure



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 left side panel according to the procedure for removing the fan bearing.	
2	Remove the screw of the horizontal blade fastener.	
3	Slide the horizontal blade to the left with both hands, pull it out forward, and remove. (For unit with set screws on the central shaft, perform this operation after removing the screws.)	



4. Procedure to Remove Fan Rotor an Motor

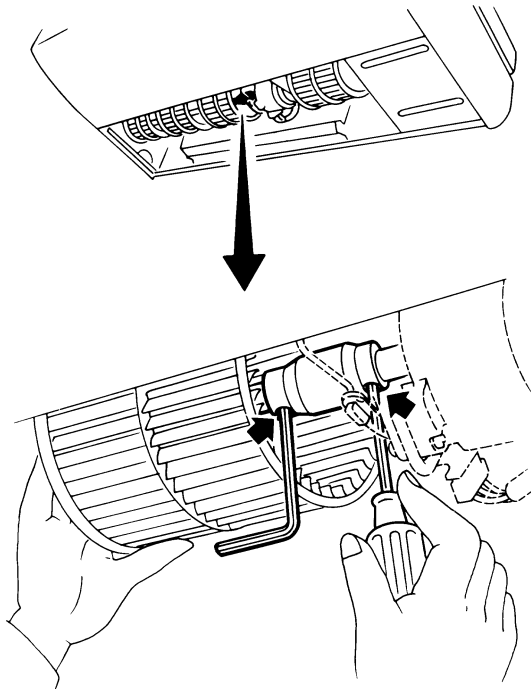
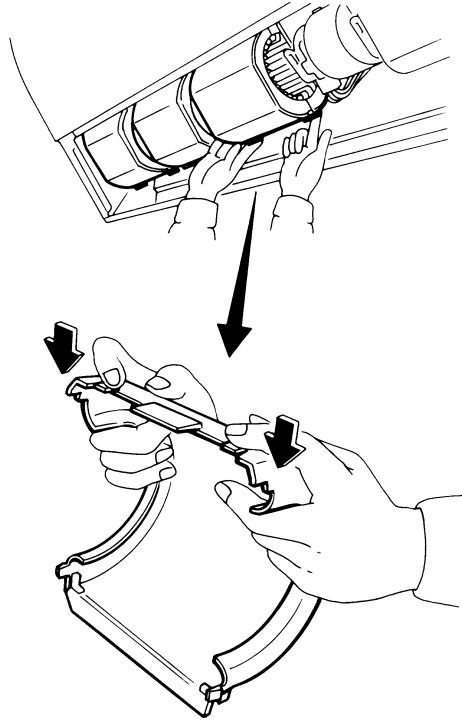
Procedure



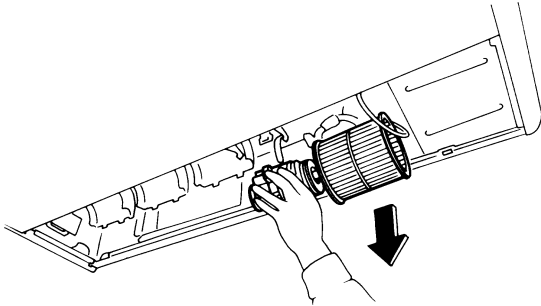
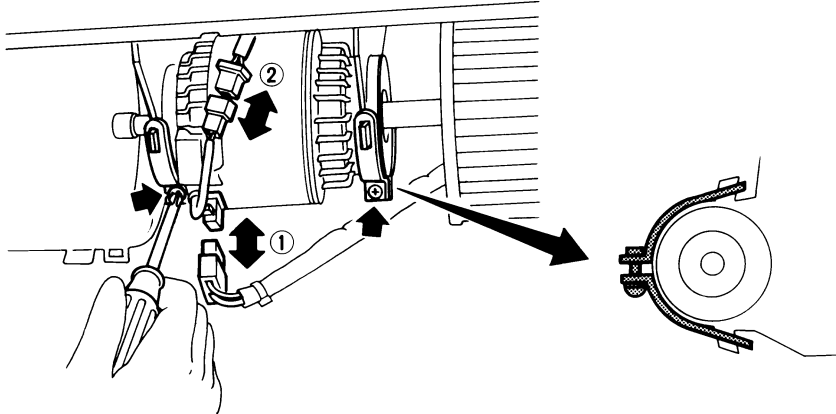
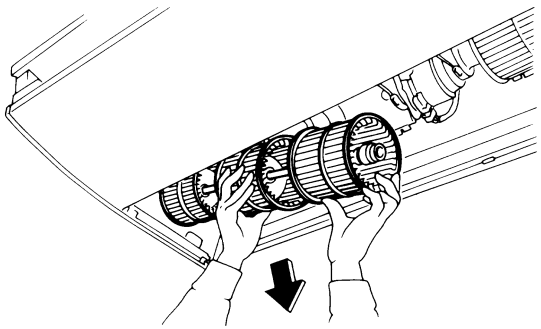
Warning

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

Step	Procedure	Points
1	Push the 2 tabs of the fan housing toward the inside with your fingers, and pull out the fan housing.	
2	Loosen the 2 hexagon set screws of the intermediate bearing.	



Step	Procedure	Points
3	Slide the intermediate bearing to the right and remove the fan rotor assy.	
4	Disconnect the 2 fan motor connecting connectors.	2 connectors Connector (1) handles high voltage (220-240 V), so be sure to turn of the power supply before disconnecting.
5	Remove the 2 fan motor fasteners.	
6	Remove the fan motor.	



5. Procedure to Remove Fan Bearing

Procedure



Warning

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

Step	Procedure	Points
<p>*Remove the fan rotor according to the procedures for removing the fan rotor and fan motor.</p>		
<p>1 Remove the left side panel installation screw.</p>		
<p>2 Slide the left side panel toward the front of the unit and remove.</p> <p>3 Remove the 2 bearing installation screws and remove the bearing.</p>		

6. Procedure to Remove Bottom Panel and Drain Pan

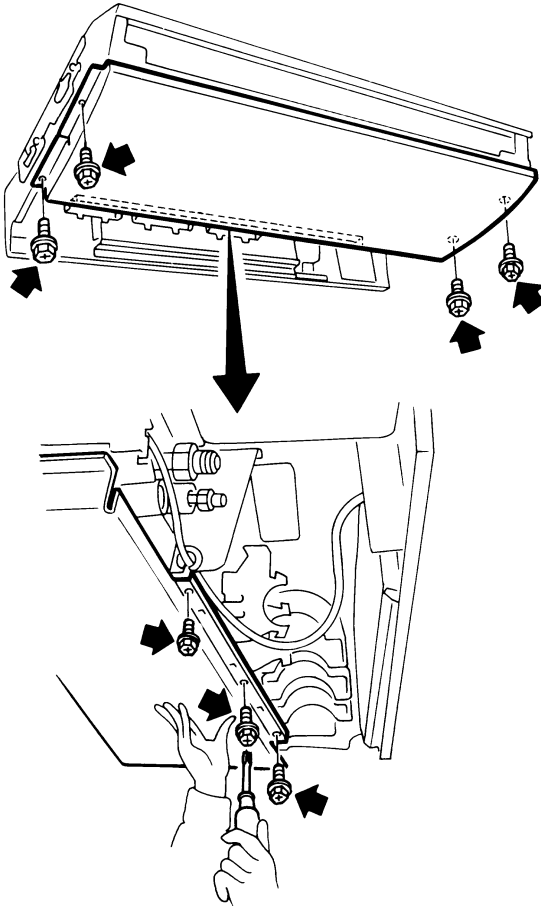
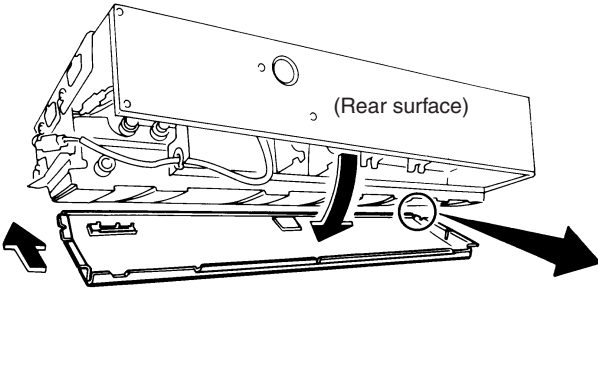
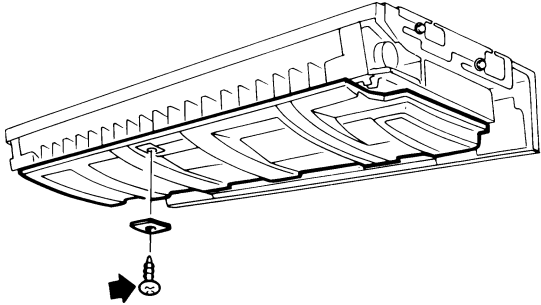
Procedure



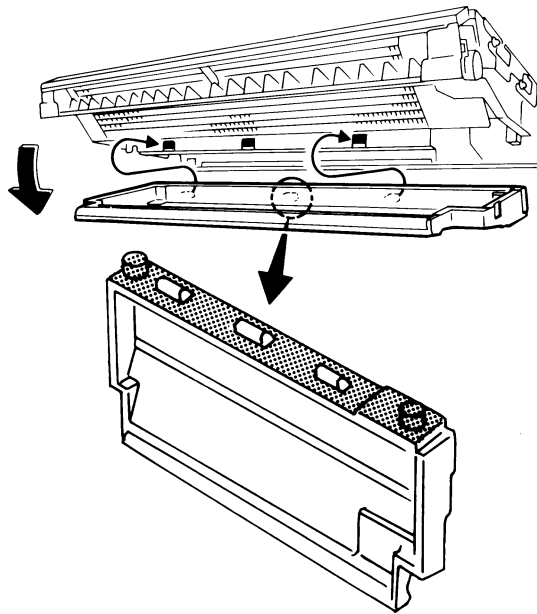
Warning

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

Step	Procedure	Points
*Remove the air filter according to its removal procedure.		
1 Remove the right side panel installation screw.		
2 Slide the right side panel toward the front of the unit and remove.		
3 Remove the 2 wiring cover installation screws.		
4 Remove the wiring cover.		

Step	Procedure	Points	
5	<p>Remove the 5 bottom panel installation screws (2 each on the left and right, 3 in the rear), and remove the bottom panel.</p>		<p>Remove the rear surface screws (2 each on the left and right), and remove the center screw while supporting the bottom panel from underneath.</p>
6	<p>Let down the rear of the bottom panel, push out toward the front (removed from the hooking part) and remove.</p>		
7	<p>Remove the drain pan retainer (1 screw).</p>		

Step	Procedure	Points
8	Lower the front surface of the drain pan, remove the hooking part of the rear surface, and remove the drain pan.	(1) Lower the front surface of the drain pan. (2) Remove the hooking part of the rear surface.



7. Procedure to Remove 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>*Remove the right side panel according to the procedures for removing the bottom panel and drain pan.</p>		
<p>1 Disconnect the connector connected to the swing motor.</p>		
<p>2 Remove the 3 swing motor installation screws.</p>		<p>When installing match the position with the horizontal blade shaft.</p>
<p>3 Remove the swing motor.</p>		

Revision History

Month / Year	Version	Revised contents
06 / 2013	Si211307E	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.



JMI-0107

Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF
COMMERCIAL AIR CONDITIONING, HEATING, COOLING,
REFRIGERATING EQUIPMENT, HEATING EQUIPMENT,
RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT
RECLAIM VENTILATION, AIR CLEANING EQUIPMENT,
COMPRESSORS AND VALVES.



JQA-1452

Organization:
DAIKIN INDUSTRIES
(THAILAND) LTD.

Scope of Registration:
THE DESIGN/DEVELOPMENT
AND MANUFACTURE OF AIR
CONDITIONERS AND THE
COMPONENTS INCLUDING
COMPRESSORS USED FOR THEM



EC99J2044

All of the Daikin Group's business facilities and subsidiaries in Japan are certified under the ISO 14001 international standard for environment management.

Dealer

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