




REMOVAL PROCEDURE

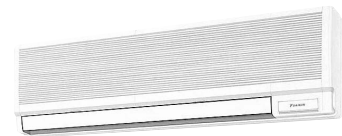


SERVICE
MANUAL

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
FAY71F(A)VE

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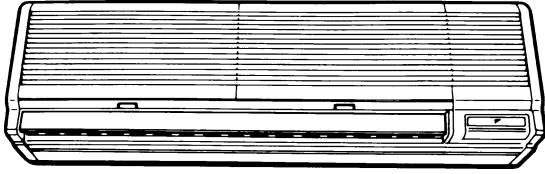
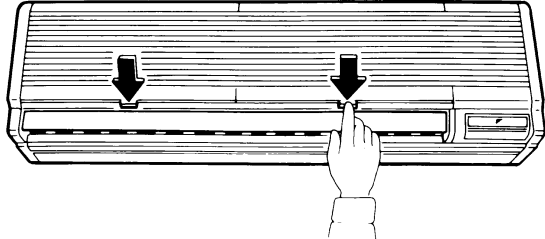
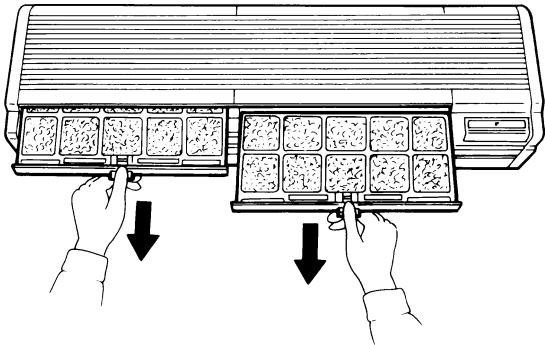
1. Procedure to Remove Air Filter

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</p>	<p>Hold the air filter tabs with your hands and pull out.</p>		
<p>2</p>	<p>Pull the air filter out.</p>		

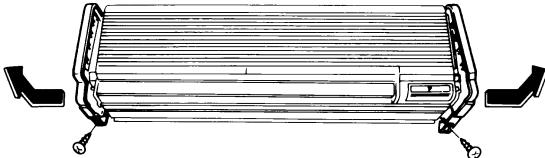
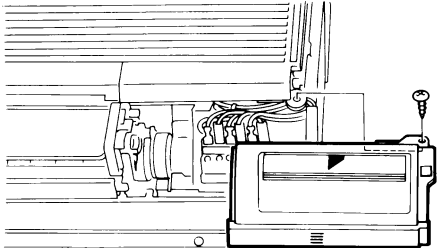
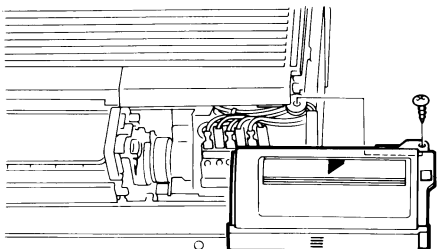
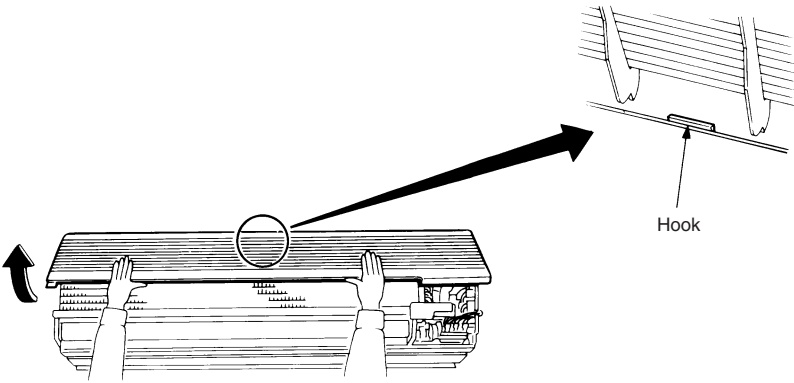
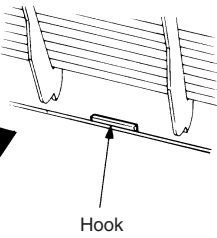
2. Procedure to Remove Slide Panel, Operation Display Cover, and Front Grille

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 left and right side panels. (1 white screw each on left and right)		The wiring diagram is applied to the right side panel, and troubleshooting list is applied to the left side panel.
2	Remove the operation display cover installation screw and remove the cover by sliding to the right.		
3	Remove the front grille installation screws. (3 M4×12 screws with spacers)		
4	Disconnect the upper hook of the front grille and remove.		

3. Procedure to Remove Electrical Parts Box

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 left and right side panels, operation display cover and front grille according to the procedures for their removal.</p>		<p>The left and right side panels have to be taken off in order to remove the front grille.</p>
<p>1 Remove the (1) thermistor, (2) heater connector and (3) rubber clip connected to the PCB.</p>		
<p>2 Remove the 2 screws fastening the electrical parts box to the units.</p>		
<p>3 Lift the electrical parts box and remove by moving toward the right.</p>		

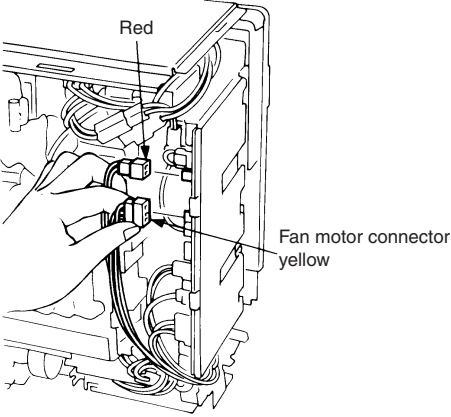
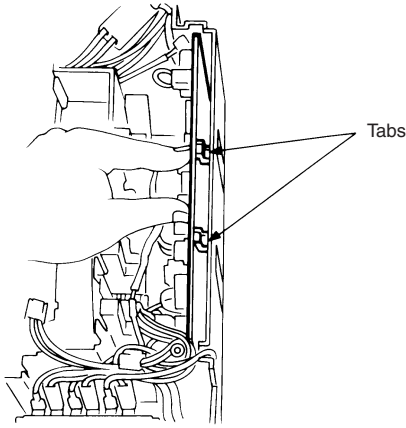
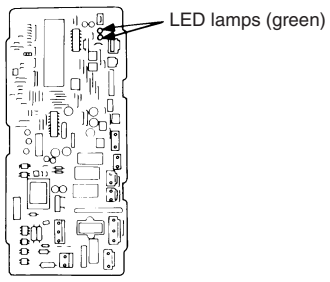
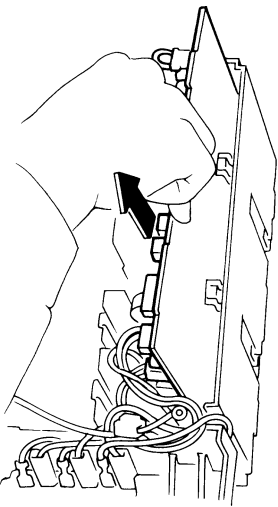
4. Procedure to Remove PCB

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 outer panels according to the procedure for removing the electrical parts box.</p>		
<p>1 Disconnect the front side wiring connector connected to the PCB.</p>		
<p>2 Disconnect the PCB from the tabs by pushing it inward. Draw the PCB out partly and disconnect the remaining connectors.</p>		 <p>The tape holding the electrical parts box and PCB is for transport, and is unnecessary when reinstalling.</p>
<p>3 Completely remove the PCB.</p>		

5. Procedure to Remove Swing Louvre Unit

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 electrical parts box according to its removal procedure.</p>		
<p>1 Remove the horizontal blade.</p>		
<p>2 Remove the swing louvre unit. (3 screws)</p>		
<p>3 Remove the swing motor from the swing louvre unit.</p>		<p>You can replace the swing motor without removing the swing louvre unit.</p>

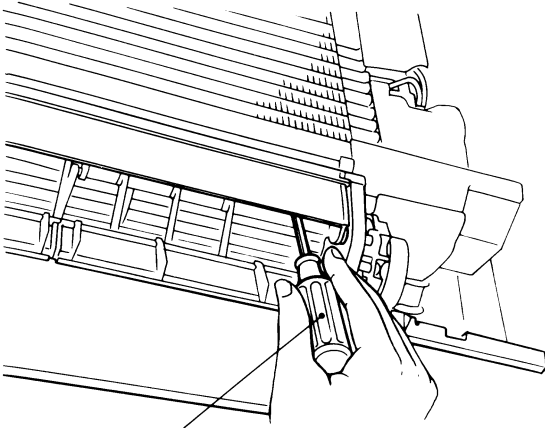
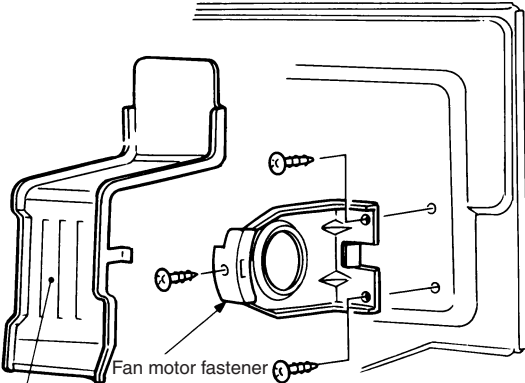
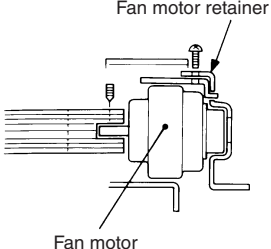
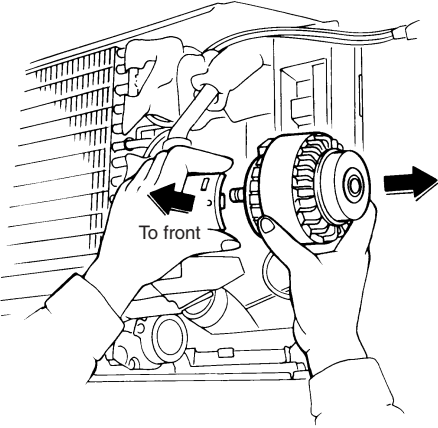
6. Procedure to Remove Fan Motor

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 side panels and other external casing, and electrical parts box according to their removal procedures.</p>	 <p>Hexagon nut driver</p>	<p>Use 2.5 mm hexagon nut driver.</p>
<p>1 Loosen the hexagon set screw fastening the fan rotor and fan motor.</p> <p>2 Remove the fan motor fastener. (3 screws)</p>	 <p>Fan motor cover</p> <p>Fan motor fastener</p>  <p>Fan motor retainer</p> <p>Fan motor</p>	
<p>3 Remove the fan motor.</p>	 <p>To front</p>	

7. Procedure to Remove Drain Pan

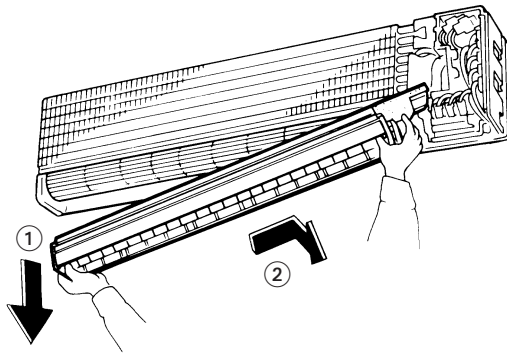
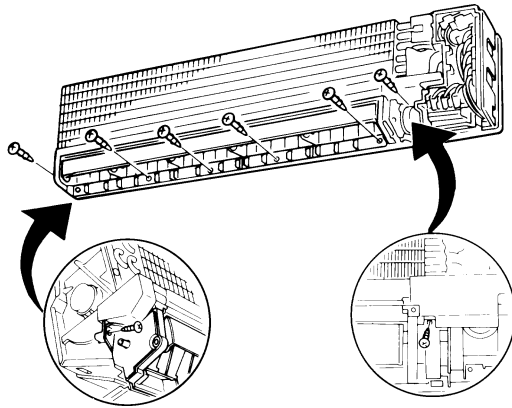
Procedure



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

Step	Procedure	Points
<p>*If removing the drain pan: Carry out pump down, disconnect the transmission piping and wiring, and remove the main unit.</p>		<p>The bottom panel is fastened to the unit installation plate by 3 screws.</p>
<p>*Remove side panels, operation display cover and front cover according to their removal procedures.</p>		
<p>1 Remove the bottom panel.</p>	<p>Installation plate</p>	<p>Installation plate</p> <p>Air discharge Bottom panel section</p>
<p>2 Remove the air discharge section.</p>	<p>(2) Bottom panel (3) Air discharge section</p>	<p>Comes off if squeezed hard.</p>

Step	Procedure	Points
3	Remove the air discharge unit. (7 screws)	Center of air discharge section also screw fastened.
4	Remove the drain pan.	1 Pull left side toward yourself. 2 Move the drain hose to the right until it comes off.



8. Procedure to Remove Heat Exchanger

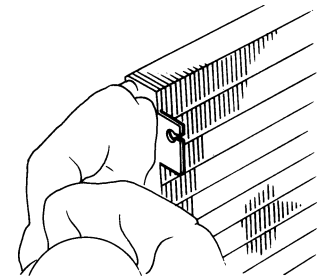
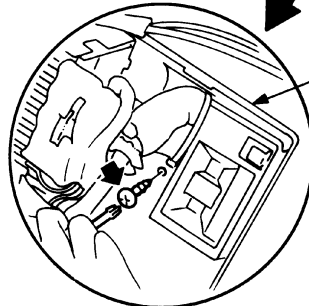
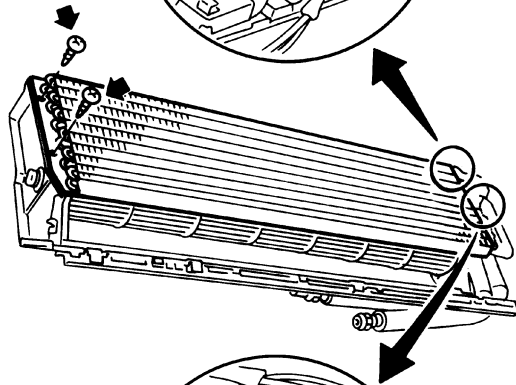
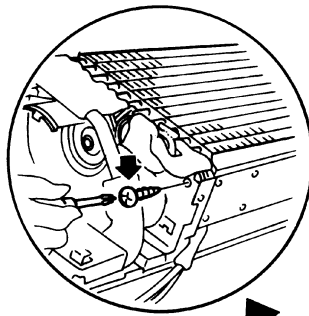
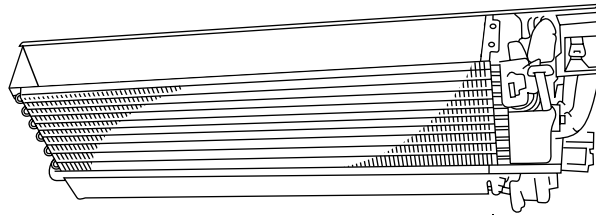
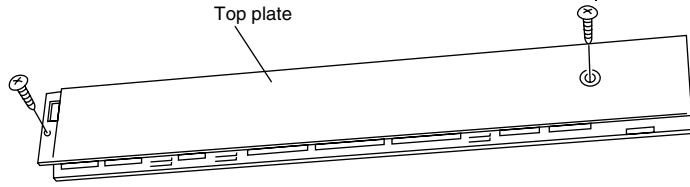
Procedure



Warning

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

Step	Procedure	Points
	<p>*Before dismantling a heat exchanger, make sure to proceed pump down refrigerant to outdoor unit and disconnect the connection pipe and wiring, then remove the indoor unit.</p>	
1	Dismount top plate.	
2	<p>Remove the 3 setting screws for heat exchanger and 1 screw for pipe fixing box.</p>	<p>There is a hook right hand side behind the heat exchanger.</p>



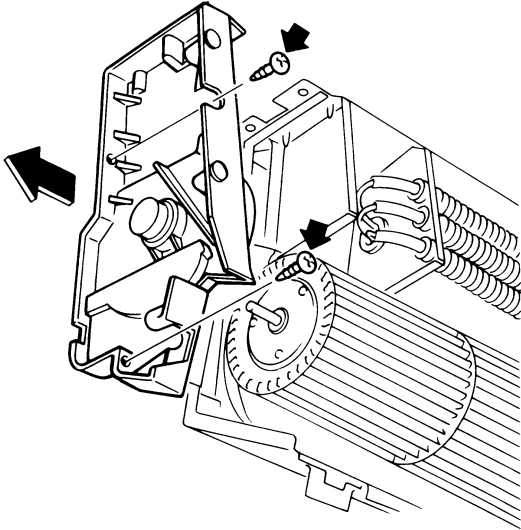
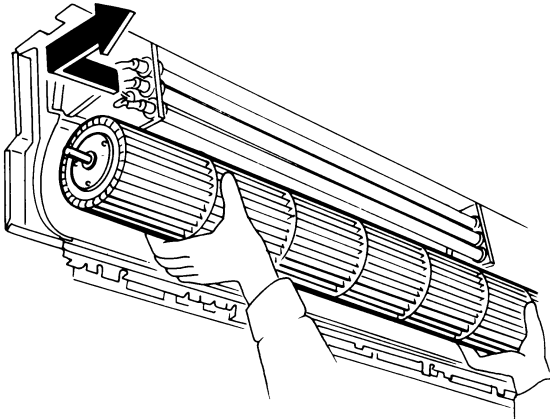
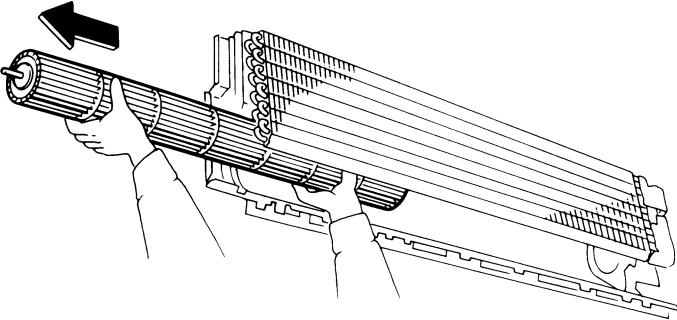
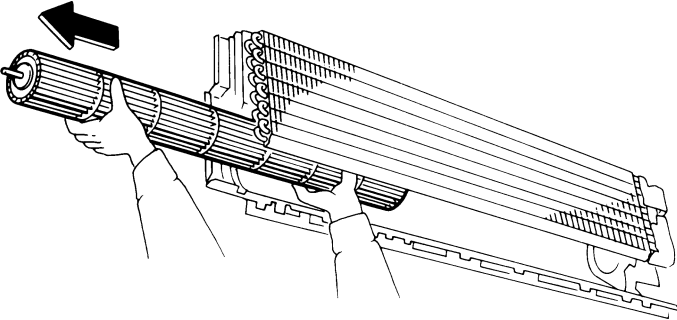
9. Procedure to Remove Fan Rotor

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 heat exchanger according to its removal procedure.		You can also remove the auxiliary electric heater without removing the heat exchanger.
1 Remove the 2 screws of the left side panel.		
2 Remove the fan rotor by sliding to the left and pulling out toward yourself.		
Reference If you have enough space to pull the fan rotor out from the left side, you can remove it without dismounting the heat exchanger.		

Revision History

Month / Year	Version	Revised contents
06 / 2013	Si211309E	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

DAIKIN INDUSTRIES, LTD.

Head Office:
Umeda Center Bldg., 2-4-12, Nakazaki-Nishi,
Kita-ku, Osaka, 530-8323 Japan

Tokyo Office:
JR Shinagawa East Bldg., 2-18-1, Konan,
Minato-ku, Tokyo, 108-0075 Japan

http://www.daikin.com/global_ac/

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