




REMOVAL PROCEDURE



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

3/4 HP Class

-  Indoor Unit
-  Inverter
-  Wall Mounted Type



Service Manual Removal Procedure

Indoor Unit

Applicable Models

●Heat Pump

FAQ71BVV1B

FAQ100BVV1B

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1. Procedure to Remove Air Filter and Front Panel

Procedure



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

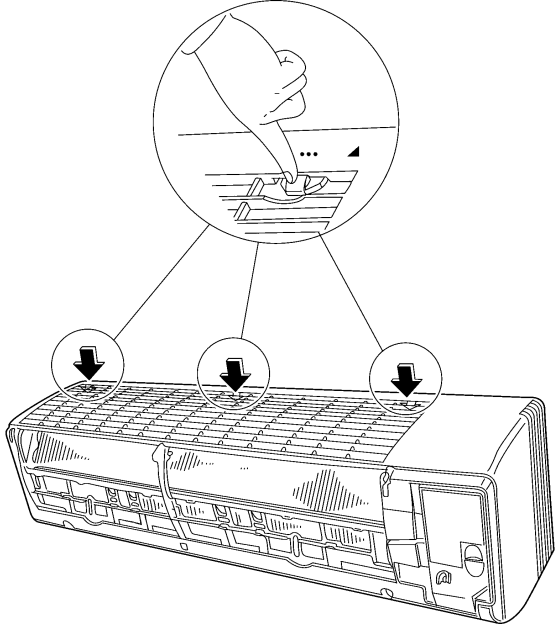
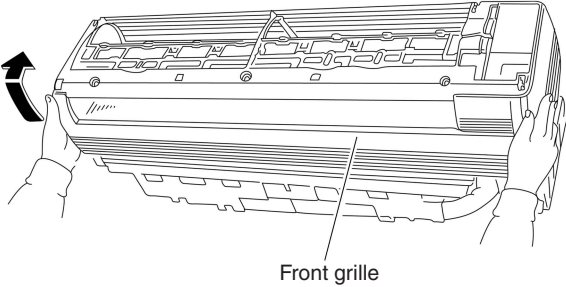
Step	Procedure	Points	
1	Put your fingers on protrusions at left and right side of the unit to open the front panel.		
2	To remove the air filter, press up the tab and pull down the filter.		<ul style="list-style-type: none"> ■ The air filter is free from the side of left or right. ■ It is easy to install if inserting along the guide.
3	Disengage the holding section on upper right of the panel by pushing toward left, then slide toward right to remove the front panel.		

2. Procedure to Remove 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	
<ul style="list-style-type: none"> ■ Removing the front panel in accordance with "Removal of Front Panel". 			
1	Remove 3 pieces of front grille fixing screws.		
2	Remove the front grille by pulling forward while pushing 3 hooks located at upper part of the grille 1 by 1.		<ul style="list-style-type: none"> ■ If hard to remove, try to press the hooks by a screwdriver or the like to remove.
3	The front grille can be removed by pulling forward and lift the bottom part.	 <p style="text-align: center;">Front grille</p>	<ul style="list-style-type: none"> ■ Make sure that the 3 hooks are set on the original position when reinstalling the front grille.

3. Procedure to Remove the Horizontal Blade and Vertical Blade

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. Removing the horizontal blade.</p> <p>1 Open the horizontal blade.</p> <p>2 Bend the horizontal blade slightly to disengage the fixing part at right side.</p> <p>3 Pull the horizontal blade rightward and take it out.</p>	<p>Horizontal blade</p> <p>Holder</p>	
<p>1. Removing the vertical blade.</p> <p>1 Disengage the protrusion on upper side of blade from holder plate. (3 locations)</p> <p>2 Press the vertical blade backward and pull the lower side forward to disengage the blade from 3 hooks.</p>	<p>Protrusion</p> <p>Holder plate</p> <p>Hook</p> <p>Holder plate</p> <p>Vertical blade</p>	

4. Procedure to Remove Electrical Box

Procedure



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Step	Procedure	Points
<p>■ Removing the front grille in accordance with "Removal of Front Grille".</p>		
<p>1 Remove the screw on the service cover. 2 Remove the screw on the drip proof plate. 3 Remove the screw for the grounding wire.</p>		
<p>4 Remove the following connectors. · Fan motor connector · Air swing motor connector</p>		
<p>5 Pull the heat exchanger thermistor and dismantle it.</p>		
<p>6 Remove the fixing screw for switch box.</p>		
<p>7 Pull forward the switch box holding lower part of the box.</p>		

5. Procedure to Remove Heat Exchanger

Procedure



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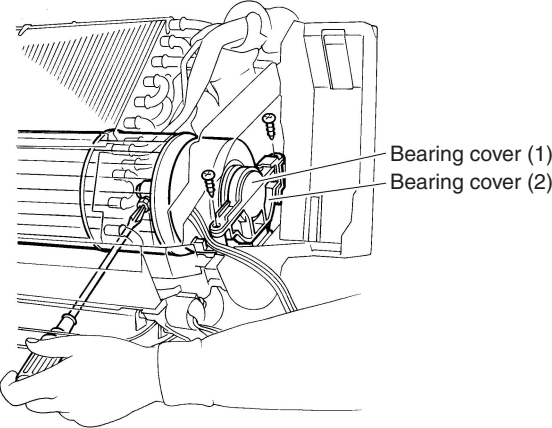
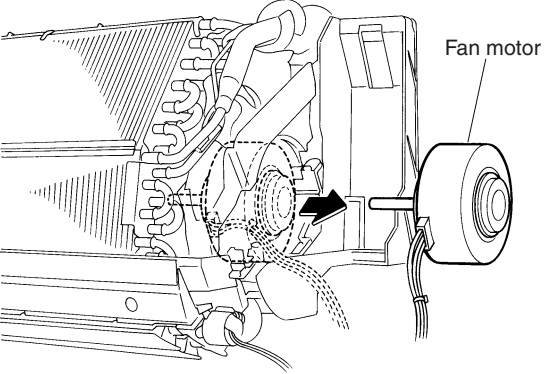
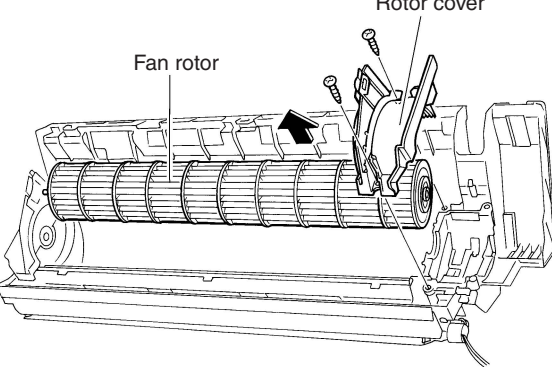
Step	Procedure	Points
<ul style="list-style-type: none"> ■ Removing the front grille in accordance with "Removal of Front Grille". Removing the switch box in accordance with "Removal of Switch Box". 		
<p>1</p>	<p>Press strongly the claws on both left and right sides of heat exchanger toward inside.</p>	
		<p>Caution</p> <p>If gas leaks, repair the leakage section, collect refrigerant inside the unit completely, then, recharge refrigerant after performing vacuum dehydration.</p> <p>Caution</p> <p>Don't mix air or the like other than the specified refrigerant into a refrigeration circle. (Mixing of air or other gas causes abnormal high pressure in the refrigerating cycle and results in pipe rupture or personal injuries.)</p> <ul style="list-style-type: none"> ■ Pay attention not to soil the floor with residual drain. ■ In case that the drain hose is buried inside wall, remove the heat exchanger after pulling out the drain hose.
<p>2</p>	<p>To remove the heat exchanger, pull it upward.</p>	
		<p>Caution</p> <p>When removing or reinstalling the heat exchanger, be sure to wear gloves or wrap the heat exchanger with cloth or the like. (Otherwise, the fins may injure your hand.)</p>

6. Procedure to Remove Fan Motor and 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
<p>■ Removing the front grille in accordance with "Removal of Front Grille". Removing the El. compo. box in accordance with "Removal of El. compo. Box".</p>		
<p>1. Removing the fan motor</p>		
<p>1 Insert a Phillips tip screwdriver into the air outlet and remove the screws fixing the fan motor and fan rotor. (The screws can be removed without removing of horizontal blade.)</p> <p>2 Remove the 2 screws on the bearing cover (1) and (2) and dismantle the covers.</p> <p>3 Take out the fan motor sideways.</p>		
<p>2. Removing the fan rotor</p>		
<p>■ Removing the heat exchanger in accordance with "Removal of Heat Exchanger".</p>		
<p>1 Remove the 2 screws to dismantle the rotor cover.</p> <p>2 Pull the fan rotor out.</p>		

7. Procedure to Remove Air Swing Motor

Procedure



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Step	Procedure	Points
<p>■ Removing the front grille in accordance with "Removal of Front Grille".</p>	<p style="text-align: center;">Swing motor</p>	
<p>1 Disconnect the air swing motor connector in the el. compo. box.</p> <p>2 Remove the screw which fixes the air swing motor.</p>	<p style="text-align: center;">Swing link</p>	
<p>3 Pull the air swing link assembly to the left strongly to dismantle.</p>		

8. Procedure to Remove Drain Hose Piping to the Left

Procedure



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

Step	Procedure	Points
<p>■ Removing the front grille in accordance with "Removal of Front Grille"</p>		<p>■ The drain pan and bottom frame are designed as an integral-type.</p>
<p>1 Pull out the drain hose attached on the rear right of the unit.</p> <p>2 Pull out the drain plug and drain socket attached on the rear left of the unit.</p>		
<p>3 Piping of Drain Hose at Left Side.</p>		<p>■ Insert the drain hose to the hose plug securely as far as it will go.</p>
<p>4 Insert the drain plug and drain socket into the right side of the unit with hexagonal pin wrench.</p>		<p>■ Insert the drain plug and socket securely as far as it will go.</p>

Revision History

Month / Year	Version	Revised contents
01/2013	Si281302	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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