




REMOVAL PROCEDURE



SERVICE
MANUAL

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

1.5/2.0/2.5/3.5 kW Class

-  Indoor Unit
-  Non-Inverter
-  Wall Mounted Type



Service Manual Removal Procedure

Indoor Unit

●Cooling Only

**FT15LV14
FT20LV14
FT25LV14**

**FTE15LV1
FTE20LV1
FTE25LV1**

**FTE20MV1V
FTE25MV1V**

**FTNE15MV1
FTNE20MV1
FTNE25MV1
FTNE35MV1**

**FTNE15MV14
FTNE20MV14
FTNE25MV14
FTNE35MV14**

**FTNE25MV18
FTNE35MV18**

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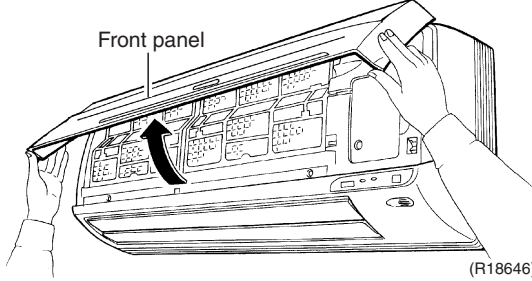
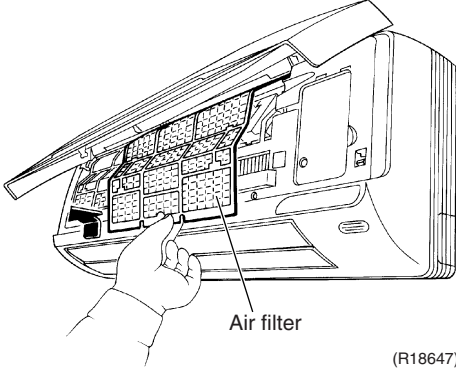
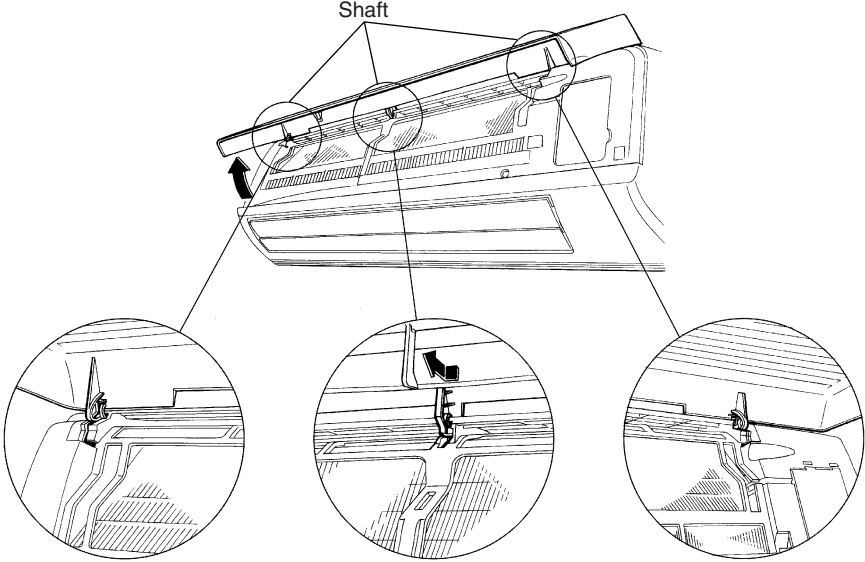
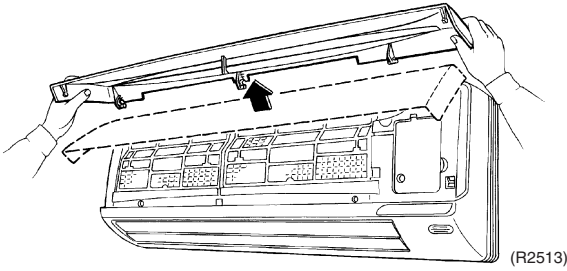
Note: ♦ The illustrations may be slightly different depending on the model.

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 to the position where it stops.</p> <p>2 Remove the air filter.</p>	 	<ul style="list-style-type: none"> ■ Left and right filters are interchangeable. ■ When reassembling, insert the air filter along the guides.
<p>2. Remove the front panel.</p> <p>1 Open the front panel fully.</p> <p>2 Push the shafts towards the inside to release.</p> <p>3 Remove the front panel.</p>	 	<ul style="list-style-type: none"> ■ When reassembling the front panel, fit the shafts one by one into the grooves and fully push them into position.

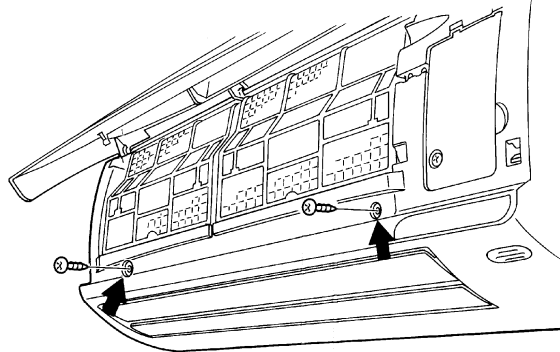
2. Front Grille



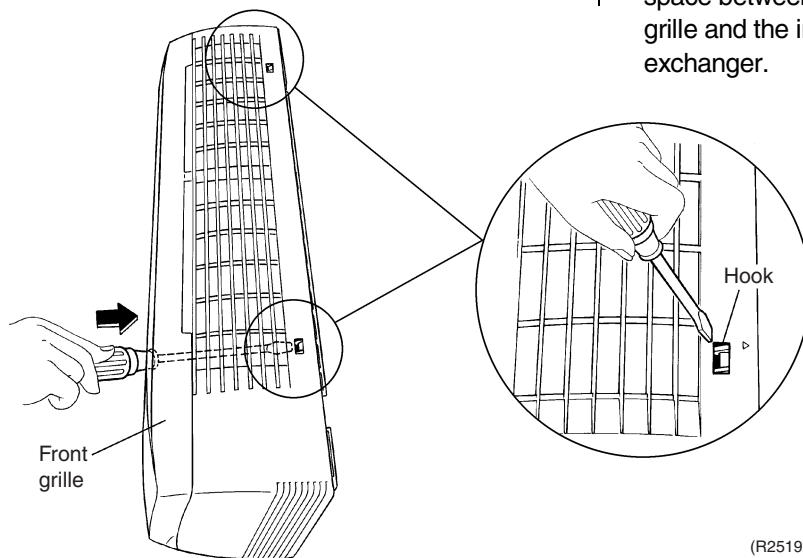
Warning

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

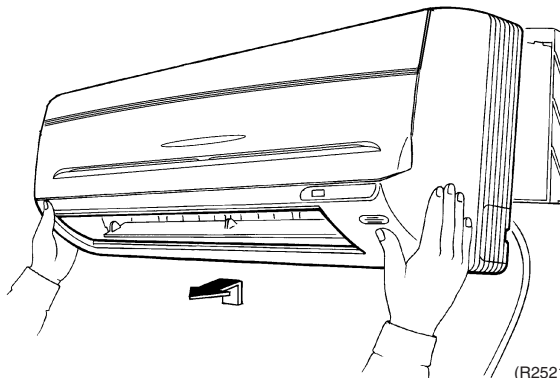
Step	Procedure	Points
1	Remove the 2 screws.	
2	Unfasten the 2 hooks on the top.	<ul style="list-style-type: none"> ■ In case that the hooks can not be pressed from above, remove the front grille while pushing the hook from the space between the front grille and the indoor heat exchanger.
3	Remove the front grille.	<ul style="list-style-type: none"> ■ When reassembling, make sure that all hooks are securely fastened.



(R18500)



(R2519)



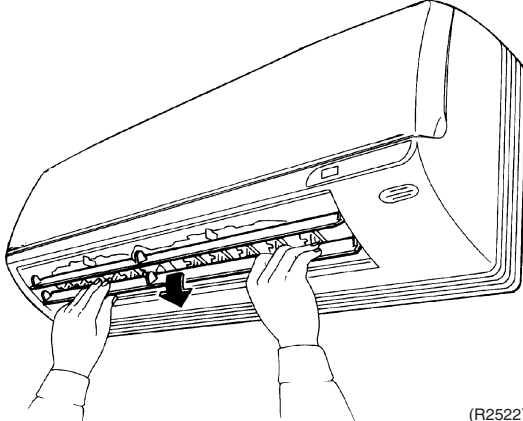
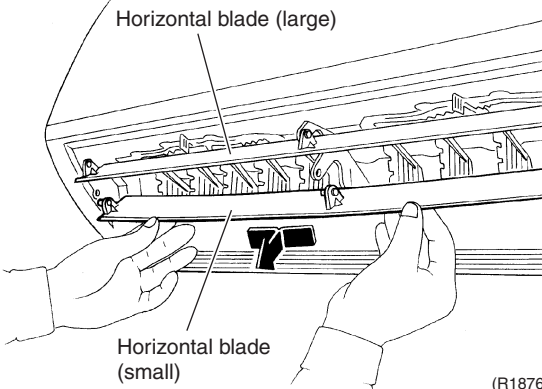
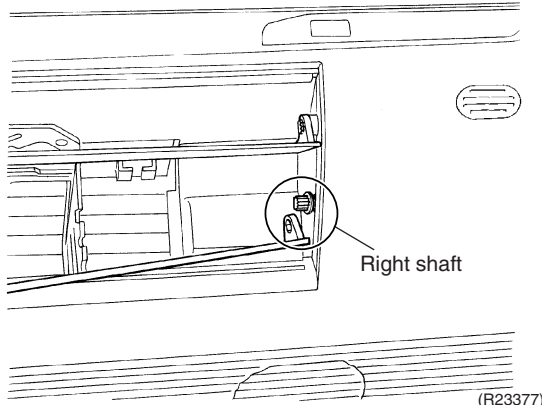
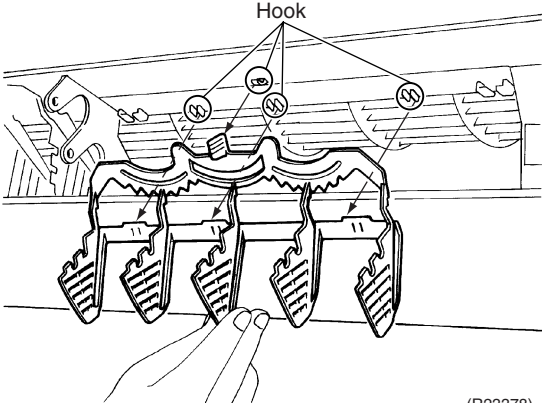
(R2521)

3. Horizontal Blades / 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. Remove the horizontal blades.	 <p>(R2522)</p>  <p>Horizontal blade (large)</p> <p>Horizontal blade (small)</p> <p>(R18761)</p>  <p>Right shaft</p> <p>(R23377)</p>	<ul style="list-style-type: none"> ■ When reassembling, mount the large horizontal blade to the upper position and the small horizontal blade to the lower position. ■ Installation procedure <ol style="list-style-type: none"> 1. Fit the horizontal blade to the right shaft first. Make sure to rotate the horizontal blade so the shaft fits correctly. 2. Fit the horizontal blade to the center and left shafts.
2. Remove the vertical blade ASSYs.	 <p>Hook</p> <p>(R23378)</p>	<ul style="list-style-type: none"> ■ Each vertical blade ASSY has 5 fins, which can not be replaced individually. ■ The vertical blade ASSY is not marked for difference between right and left.
<p>1 Unfasten the 4 hooks.</p> <p>2 Remove the vertical blade ASSY.</p> <p>3 Remove the other vertical blade ASSY in the same way.</p>		

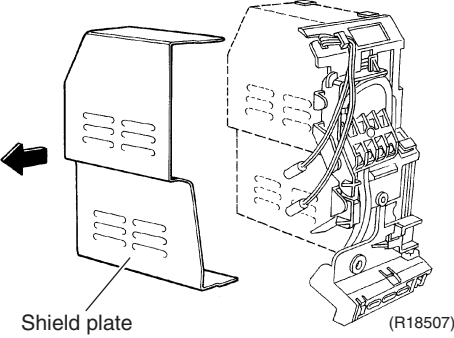
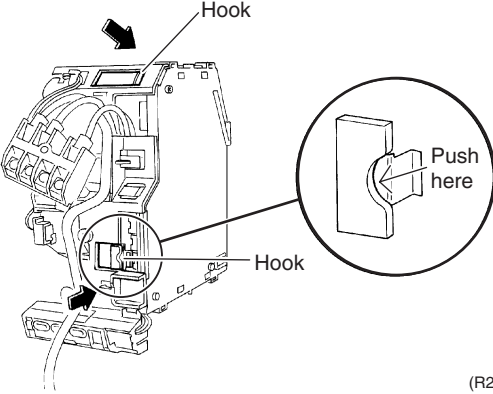
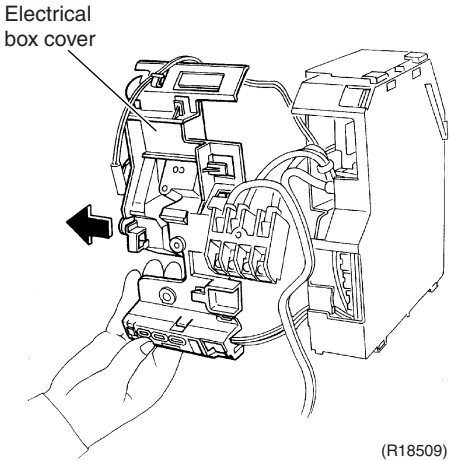
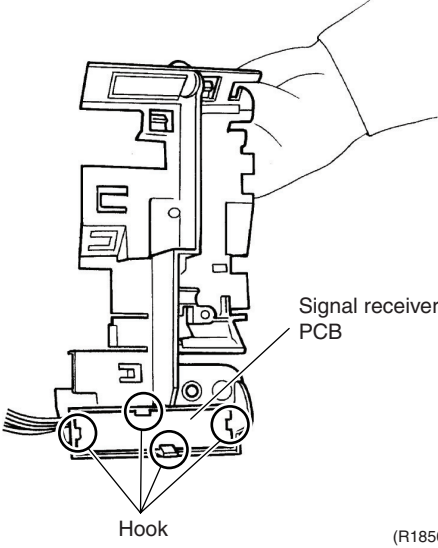
4. Electrical Box / PCBs / Swing Motor

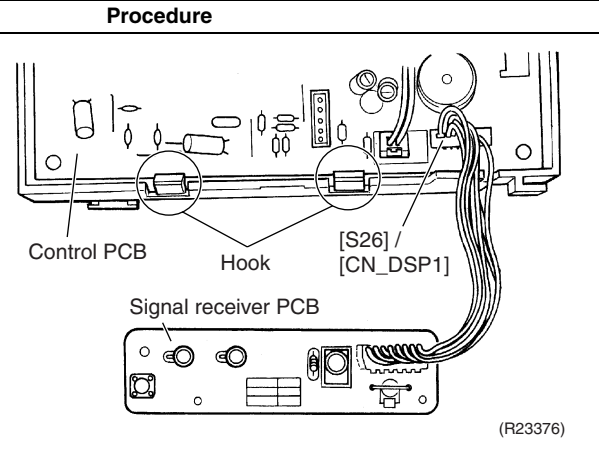
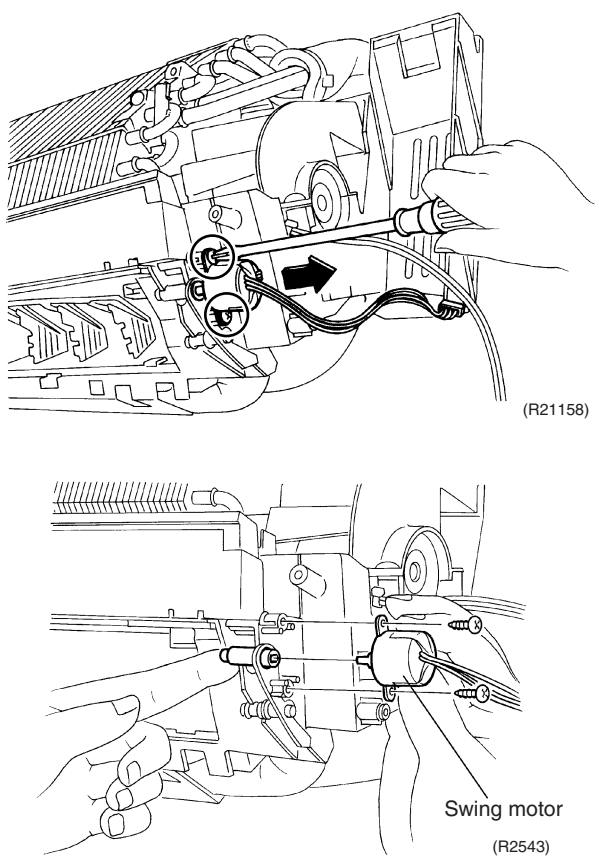


Warning

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Step	Procedure	Points
1. Remove the electrical box.		
1 Remove the 4 screws and disconnect the connecting wires.		
2 Remove the screw, and then the wire fixture.		<p>[S1] / [CN_FAN]: fan motor [S7] / [CN_FANFB]: fan motor [S6] / [CN_STP]: swing motor</p>
3 Disconnect the connectors.		
4 Pull out the indoor heat exchanger thermistor.		
5 Remove the screw on the terminal board.		<p>■ When reassembling the electrical box, make sure the hook on the back is securely fastened.</p>
6 Remove the screw, and then the electrical box.		

Step	Procedure	Points
2. Remove the PCBs.		
1 Remove the shield plate.	 <p>Shield plate (R18507)</p>	
2 Unfasten the 2 hooks.	 <p>Hook (R21157)</p> <p>Push here</p>	
3 Slide the electrical box cover to the left and remove the electrical box cover.	 <p>Electrical box cover (R18509)</p>	
4 Unfasten the 4 hooks on the back of the signal receiver PCB.	 <p>Signal receiver PCB (R18502)</p> <p>Hook</p>	

Step	Procedure	Points
5	Disconnect the connector [S26] / [CN_DSP1] on the control PCB and remove the signal receiver PCB.	<ul style="list-style-type: none"> There are 2 hooks also at the top of the control PCB.
6	Unfasten the 2 hooks at the bottom and remove the control PCB.	
		
3. Remove the swing motor.		
1	Remove the 2 screws, and then the swing motor.	
		

5. Indoor Heat Exchanger



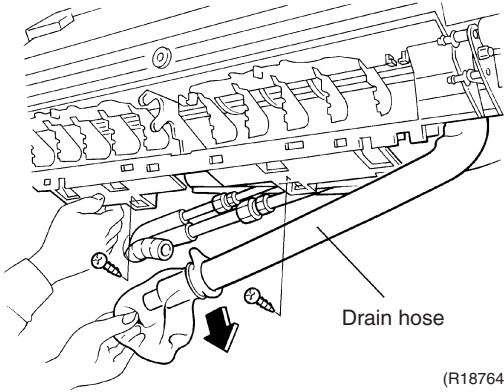
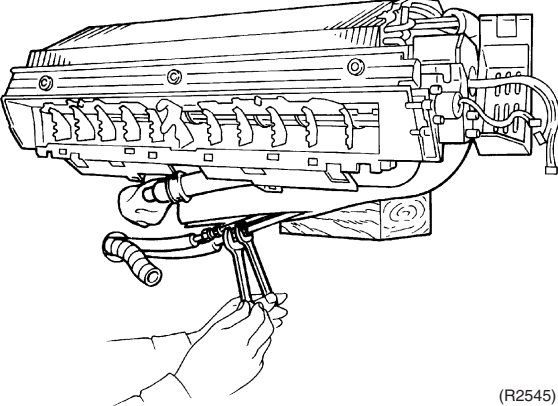
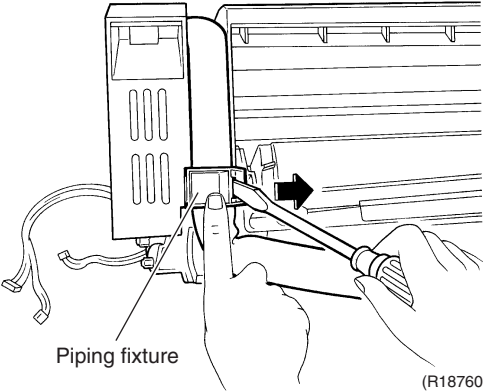
Warning

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

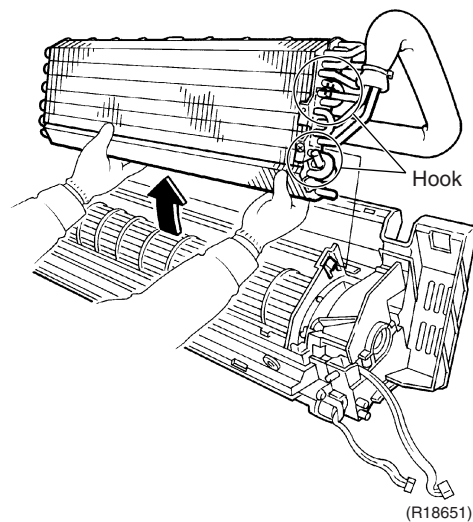
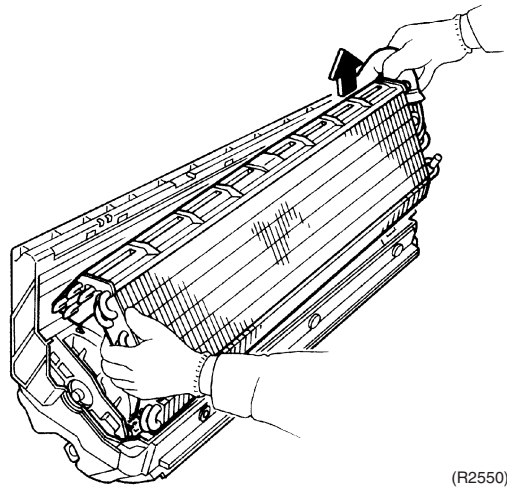
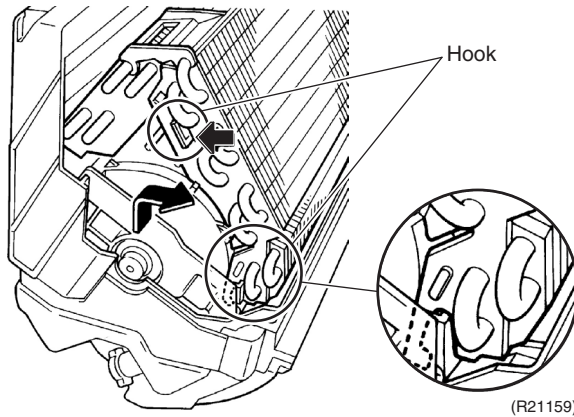
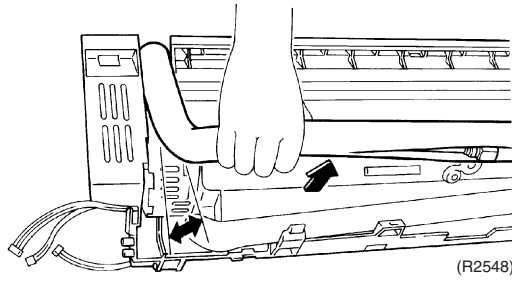


Caution

- ◆ 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.

Step	Procedure	Points
1	Remove the 2 screws which fix the indoor heat exchanger to the installation plate.	 <p style="text-align: right;">(R18764)</p>
2	Disconnect the drain hose.	<ul style="list-style-type: none"> ■ Place a plastic sheet around the drain pan to prevent wetting the floor with remaining drain. ■ If the drain hose is embedded in the wall, disconnect the drain hose beforehand.
3	Disconnect the gas piping and the liquid piping.	<ul style="list-style-type: none"> ■ Hold the indoor unit up with a piece of wood. ■ Carry out the removal works with 2 wrenches.
4	Remove the indoor unit from the installation plate.	 <p style="text-align: right;">(R2545)</p>
5	Unfasten the hook and remove the piping fixture on the back.	 <p style="text-align: right;">(R18760)</p>

Step	Procedure	Points
6	Slightly pull out the auxiliary piping.	
7	Unfasten the 2 hooks on the left side.	
8	Unfasten the 2 hooks on the right side and remove the indoor heat exchanger.	

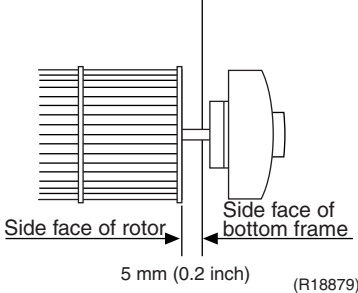
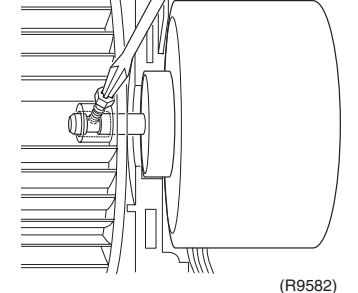


6. Fan Motor / Fan Rotor

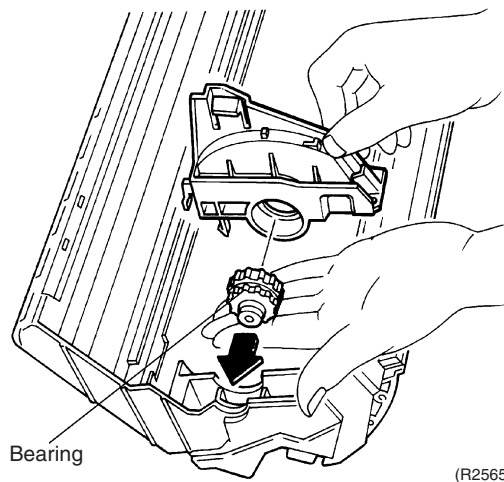
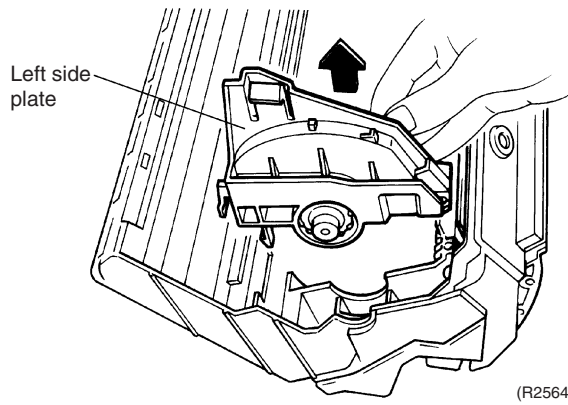
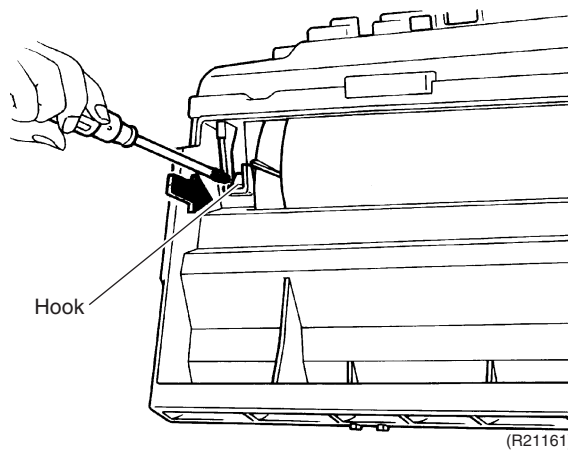
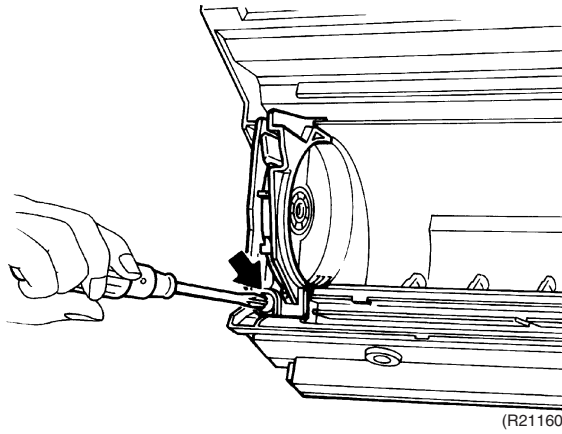


Warning

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Step	Procedure	Points
1	Remove the 3 screws on the right side plate.	
2	Unfasten the hook and remove the right side plate.	<p>■ When reassembling the fan motor and the fan rotor, provide as much as 5 mm (0.2 inch) of play between the side face of the rotor and the bottom frame.</p>
3	Loosen the screw.	 <p>Side face of rotor</p> <p>Side face of bottom frame</p> <p>5 mm (0.2 inch)</p> <p>(R18879)</p>
4	Remove the fan motor and the fan rotor.	 <p>(R9582)</p> <ol style="list-style-type: none"> (1) Insert the fan motor allowing for approx. 5 mm (0.2 inch) of play. (2) Tighten the fan rotor screw until it stops. Then give the screw one more turn. (3) If the fan rotor rotates appropriately, tighten the screw completely. (4) If not, repeat the procedure from (1).

Step	Procedure	Points
5	Remove the screw on the left side panel.	
6	Unfasten the hook and remove the left side plate.	
7	Remove the bearing.	



Revision History

Month / Year	Version	Revised contents
02 / 2013	Si041265	First edition
12 / 2013	Si041265EA	Model addition: FTE15/20/25LV1, FTE20/25MV1V
12 / 2014	Si041265EB	Model addition: FTNE15/20/25/35MV1, FTNE15/20/25/35MV14
05 / 2016	Si041265EC	Model addition: FTNE25/35MV18

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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