




REMOVAL PROCEDURE



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

5.6 kW Class

-  Indoor Unit
-  Inverter
-  Floor Standing Type



Service Manual Removal Procedure

Indoor Unit

●Heat Pump
FVXD56FV2C

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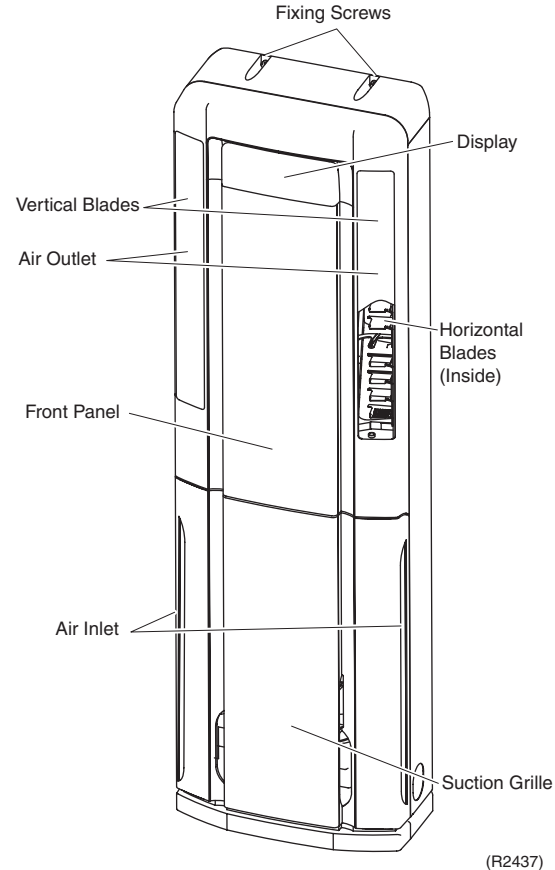
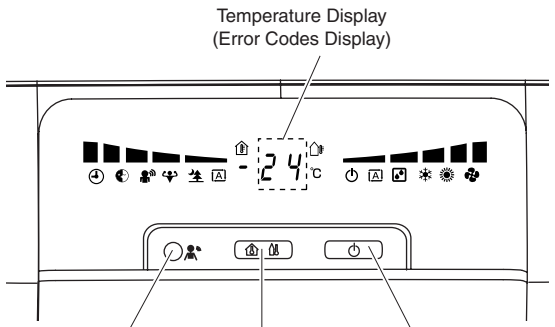
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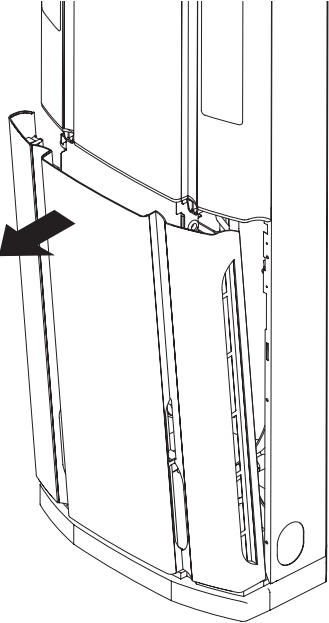
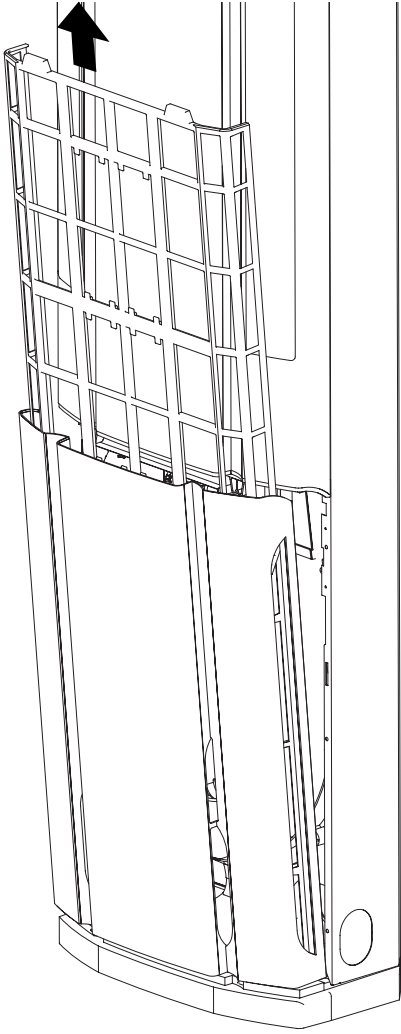
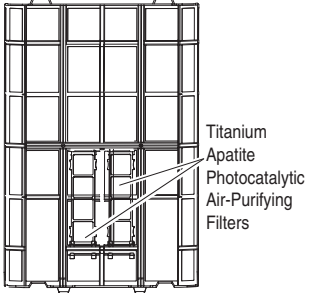
1. Removal of Air filter

Procedure



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

Step	Procedure	Points
1. Features	 <p>(R2437)</p> <p>■ Display</p>  <p>(R2438)</p>	<p>■ If the system gets in trouble, an error code appears on the temperature display.</p>

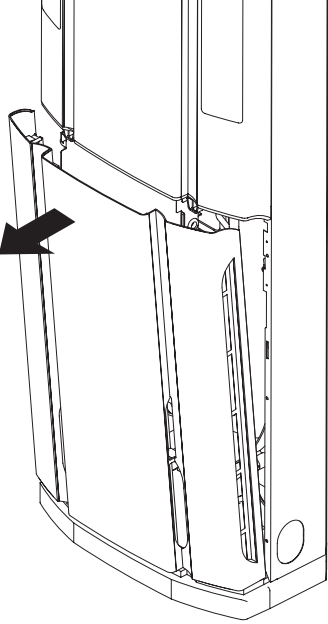
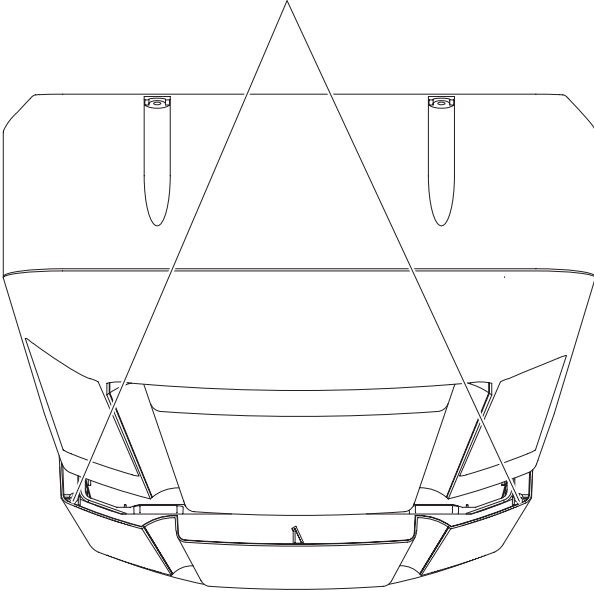
Step	Procedure	Points
2. Remove the air filter.		
1	<p>Put your fingers on the right and left air inlets, and open the suction grille.</p>  <p style="text-align: right;">(R2439)</p>	<p>Warning : Make sure the horizontal blades are closed. Otherwise the air filter cannot be pulled out. (These blades shut themselves when the system stops.)</p> <p>Note : Do not force the suction grille open. It may come off, and you may get injured by the internal fan or the unit may fall down.</p>
2	<p>Grip the top knob, and draw up and out the air filter.</p>  <p style="text-align: right;">(R2440)</p>	<p>■ Titanium Apatite Photocatalytic Air-Purifying Filters are located behind the air filter.</p>  <p style="text-align: right;">(R7275)</p>

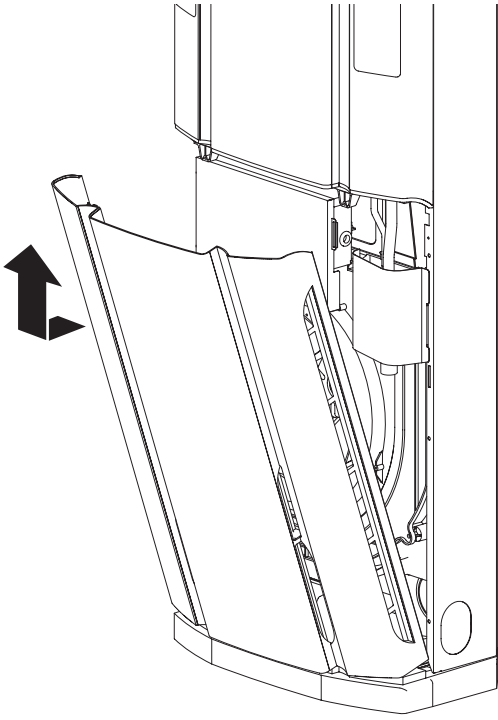
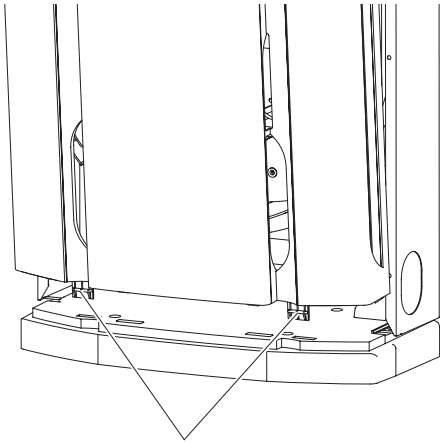
2. Removal of Suction Grille

Procedure



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

Step	Procedure	Points
<p>1. Remove the suction grille.</p> <p>1 Open the suction grille and remove the 2 screws (one each on the right and left).</p>	 <p>(R2439)</p>  <p>Screws</p> <p>(R2442)</p>	

Step	Procedure	Points
2	<p data-bbox="201 217 472 409">Tilt the suction grille toward yourself first and then lift it out of position. (Undo the 2 claws at the bottom of the suction grille.)</p>  <p data-bbox="994 976 1054 994">(R2443)</p>  <p data-bbox="735 1514 788 1532">Claws</p> <p data-bbox="967 1534 1027 1552">(R2444)</p>	<ul style="list-style-type: none"><li data-bbox="1098 1048 1455 1137">■ When placing the suction grille back in position, fit the claws at the bottom first.

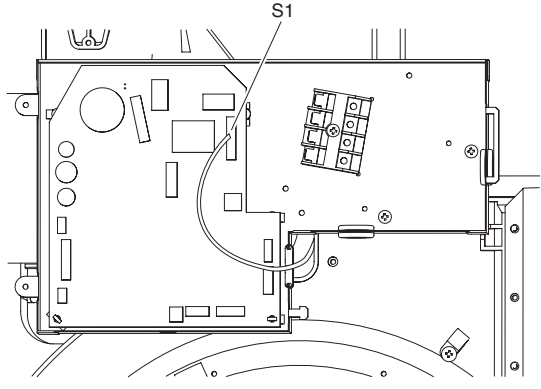
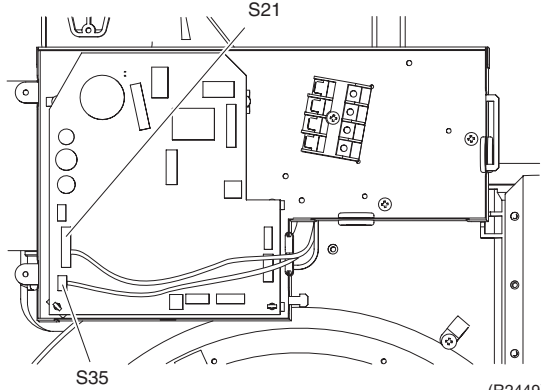
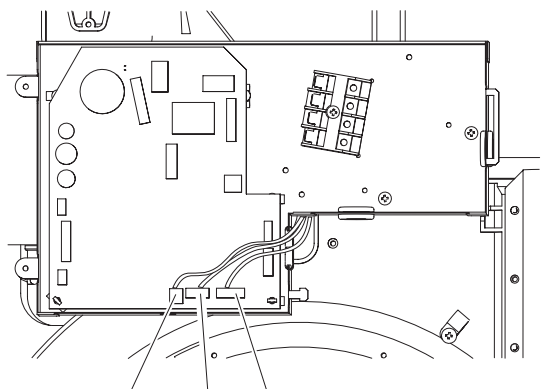
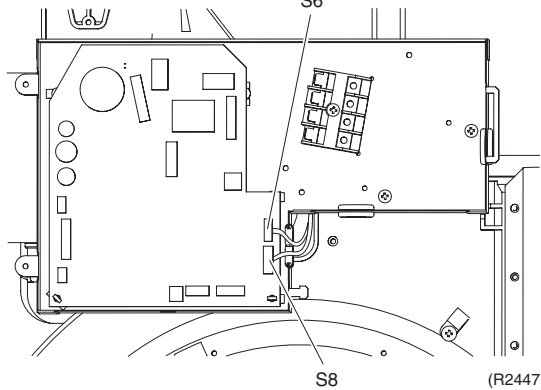
3. Removal of Power Supply / Control PCB

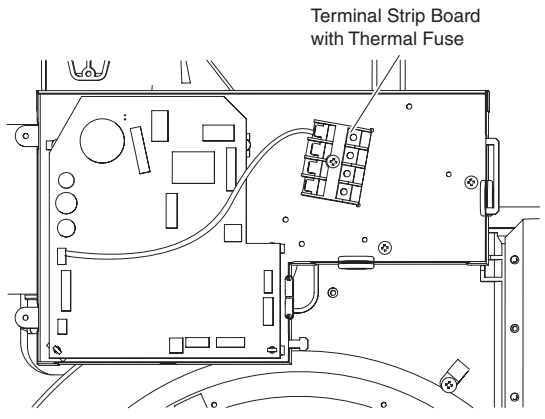
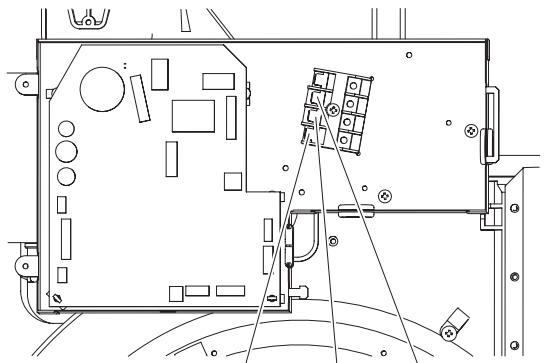
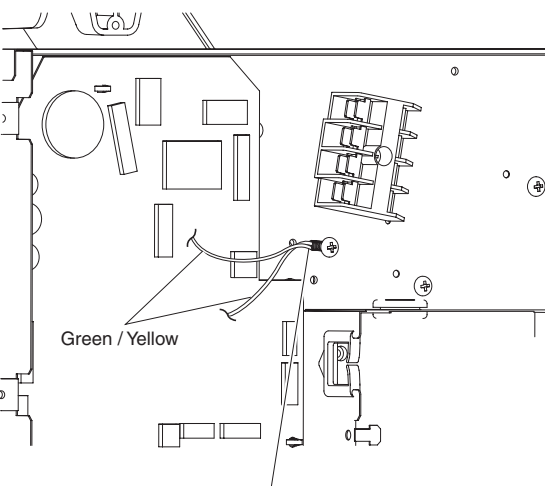
Procedure

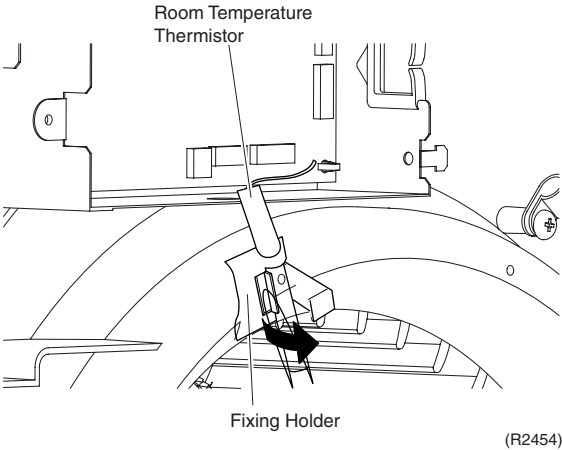
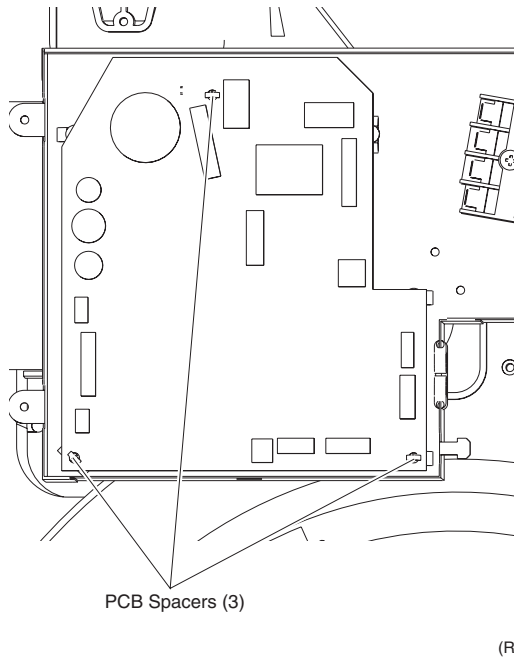
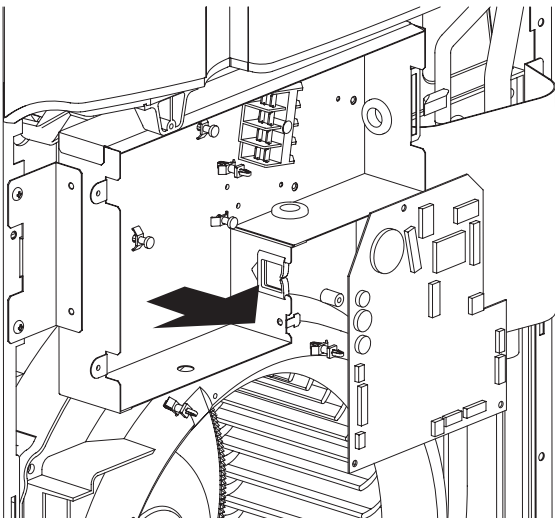


Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
1. Remove the power supply/control PCB.	<p style="text-align: center;">Screws</p> <p style="text-align: right;">(R2445)</p>	
<ul style="list-style-type: none"> ■ Remove the suction grille. 	<p style="text-align: center;">Hook</p> <p style="text-align: right;">(R2446)</p>	<ul style="list-style-type: none"> ■ Terminal strip board for power supply Upper row: 1-blue, 2-brown, 3-empty, ●-green / yellow Lower row: 1-white, 2-black, 3-red
3	<p>The figure at right shows the power supply / control PCB.</p> <p style="text-align: center;">Glass Tube Thermal Fuse</p> <p style="text-align: center;">JA (Wireless Remote Controller Address Jumper)</p> <p style="text-align: center;">Earth wire</p> <p style="text-align: center;">Connection Wiring</p> <p style="text-align: right;">(R2480)</p>	

Step	Procedure	Points
4	<p>Disconnect the connector for fan motor (S1).</p>  <p>(R2448)</p>	
5	<p>Disconnect the connectors (S21, S35).</p>  <p>(R2449)</p>	
6	<p>Disconnect the connectors (S26, S28) and the connector for heat exchanger thermistor (S32).</p>  <p>(R2450)</p>	
7	<p>Disconnect the connectors for swing motor (S6, S8).</p>  <p>(R2447)</p>	<p>■ Connector S6 : White S8 : Red</p>

Step		Procedure	Points
8	Disconnect the connector for thermal fuse.	 <p style="text-align: right;">(R2451)</p>	
9	Disconnect the terminal strip for power supply (upper row).	 <p style="text-align: center;">1 : Power Supply (Blue) 2 : Power Supply (Brown) 3 : Transmission</p> <p style="text-align: right;">(R2452)</p>	
10	Disconnect the earth terminal.	 <p style="text-align: right;">(R2453)</p>	

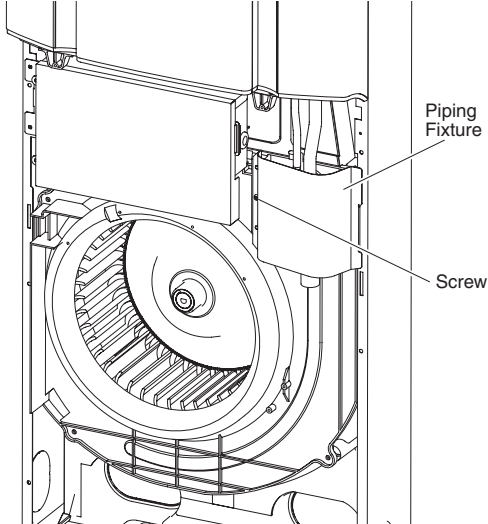
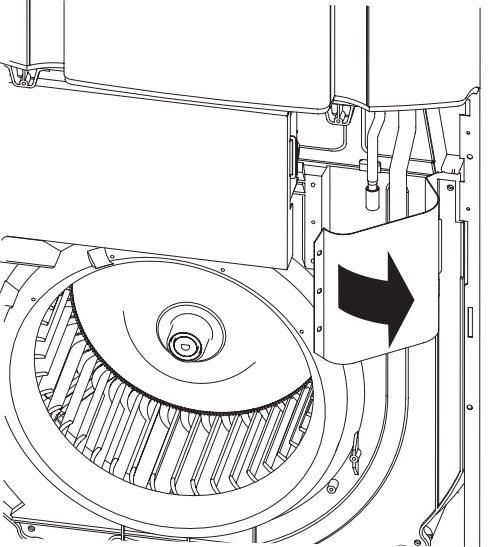
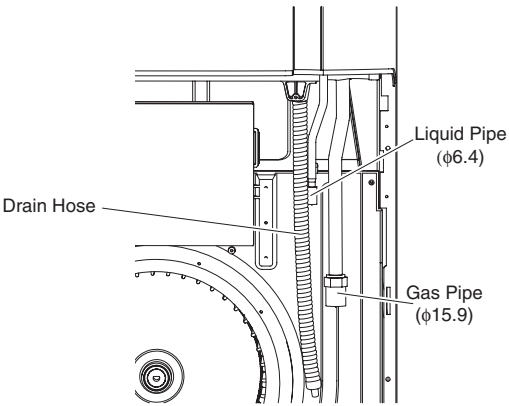
Step	Procedure	Points
11	<p>Release the room temperature thermistor. (Unlock the fixing holder.)</p> 	
12	<p>Pull the 3 PCB spacers out of the power supply / control PCB.</p> 	<ul style="list-style-type: none"> ■ Preferably use long-nose pliers to easily draw out the PCB spacers.
13	<p>Remove the power supply / control PCB.</p> 	

4. Removal of Piping Fixture

Procedure



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

Step	Procedure	Points
1. Detach the piping fixture.		
<ul style="list-style-type: none"> ■ Remove the suction grille. 		
1	<p>Remove the screw and detach the piping fixture.</p>  <p style="text-align: right;">(R2457)</p>  <p style="text-align: right;">(R2458)</p>	
2	<p>The figure at right shows the pipe connections.</p>  <p style="text-align: right;">(R2459)</p>	<ul style="list-style-type: none"> ■ The drain hose and the drain pan are integrated and inseparable.

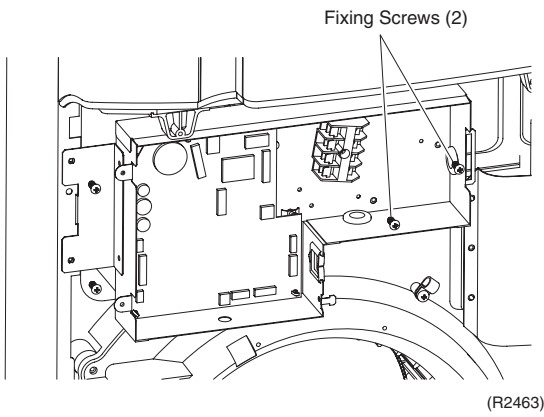
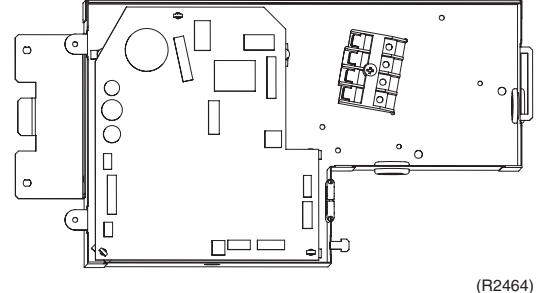
5. Removal of Electrical Box

Procedure



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

Step	Procedure	Points
<p>1. Remove the electrical box.</p> <p>■ Remove the electrical box cover.</p>	<p style="text-align: right;">(R2460)</p>	
<p>1 Disconnect the earth terminal (green / yellow-striped wire harness).</p> <p>2 Release the room temperature thermistor. Disconnect the connectors and terminal strip for power supply, all from the power supply / control PCB.</p>	<p style="text-align: right;">(R2461)</p>	<ul style="list-style-type: none"> ■ The wire harnesses of the connectors are tied up with the clamp. ■ The room temperature thermistor is fixed with the holder.
<p>3 Remove the 2 fixing screws for power supply cable.</p>	<p style="text-align: right;">(R2462)</p>	<ul style="list-style-type: none"> ■ There is no need to remove the fixture inside the electrical box.

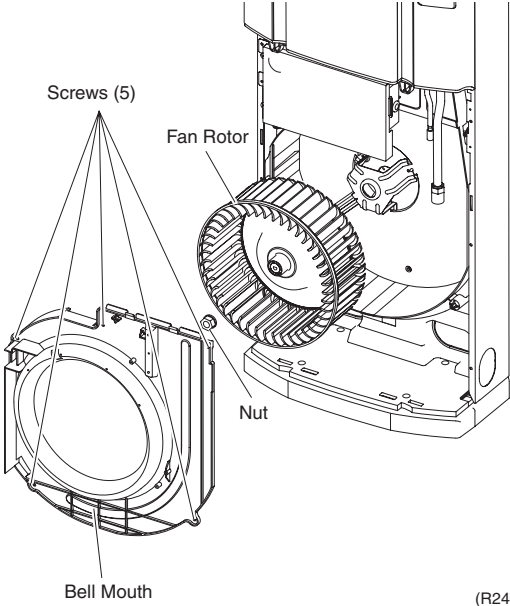
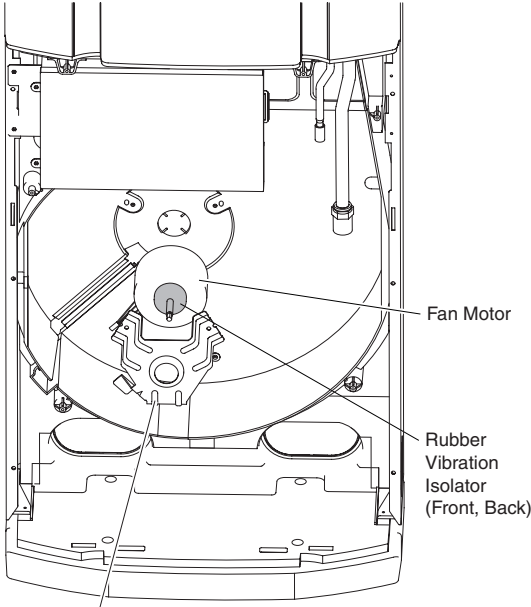
Step	Procedure	Points
4	Remove the 2 fixing screws off the electrical box.	
	 <p style="text-align: center;">Fixing Screws (2)</p> <p style="text-align: right;">(R2463)</p>	
5	Pull out the electrical box toward yourself.	
	 <p style="text-align: right;">(R2464)</p>	

6. Removal of Fan Rotor / Fan Motor

Procedure



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

Step	Procedure	Points
1. Detach the fan rotor. ■ Remove the suction grille, electrical box and piping fixture.	<ol style="list-style-type: none"> 1 Remove the 5 screws off the bell mouth and take it out. 2 Remove the nut. 3 Pull out the fan rotor toward yourself.  <p style="text-align: right;">(R2465)</p>	
2. Detach the fan motor.	<ol style="list-style-type: none"> 1 Remove the 3 screws off the fan motor cover and take it out. 2 Now take out the fan motor.  <p style="text-align: right;">(R2466)</p>	<p><Attention in the fan motor installation> Before you tighten screws, be sure that the rubber vibration isolators (front, back) of the fan motor firmly fit into the both holes of the installation board and fan motor cover when you install a fan motor.</p>

7. Removal of Front Panel

Procedure



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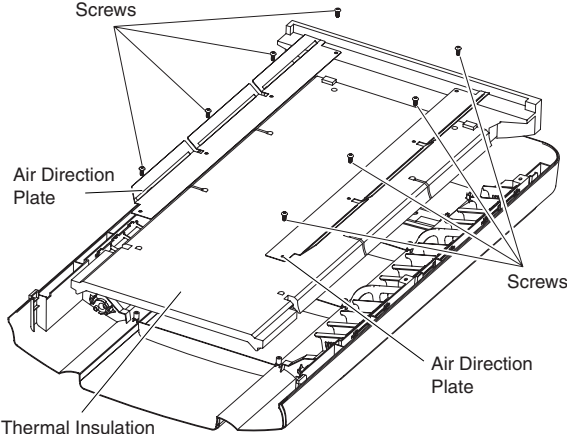
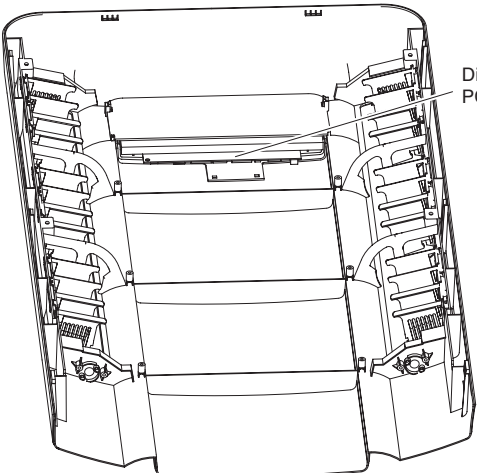
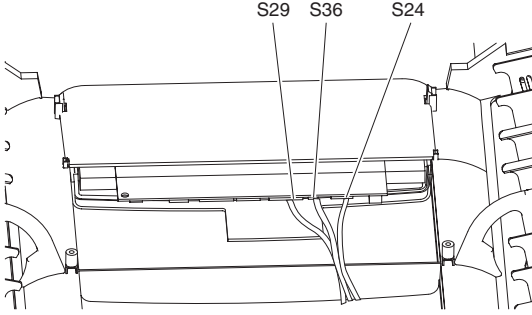
Step	Procedure	Points
<p>1. Detach the front panel.</p> <p>1 Remove the 6 screws off the front panel, and detach it.</p>	<p>(R2467)</p> <p>■ Screw locations</p> <p>(R2468)</p>	<p>■ The front panel is hooked by 3 claws each on the right and left. Lift the front panel slightly first and then pull it toward yourself.</p> <p>To remove the right and left screws, open the horizontal blades.</p>

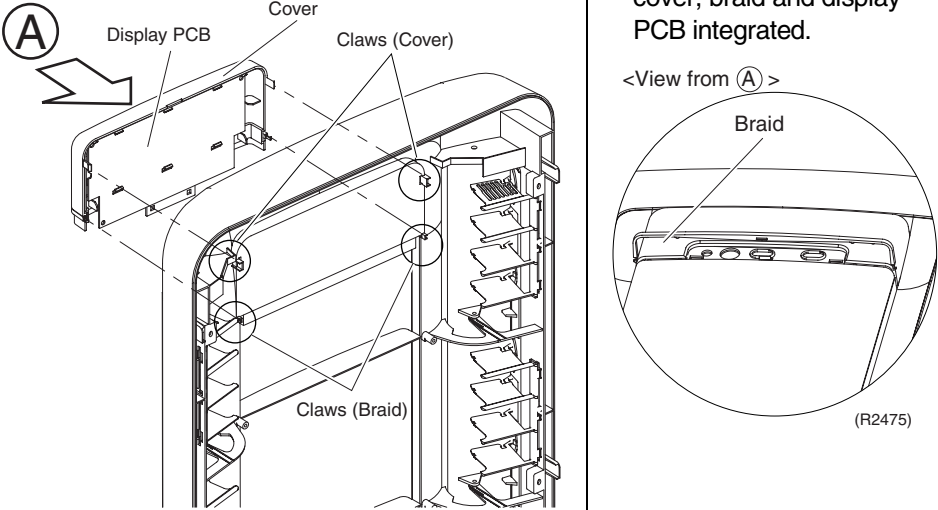
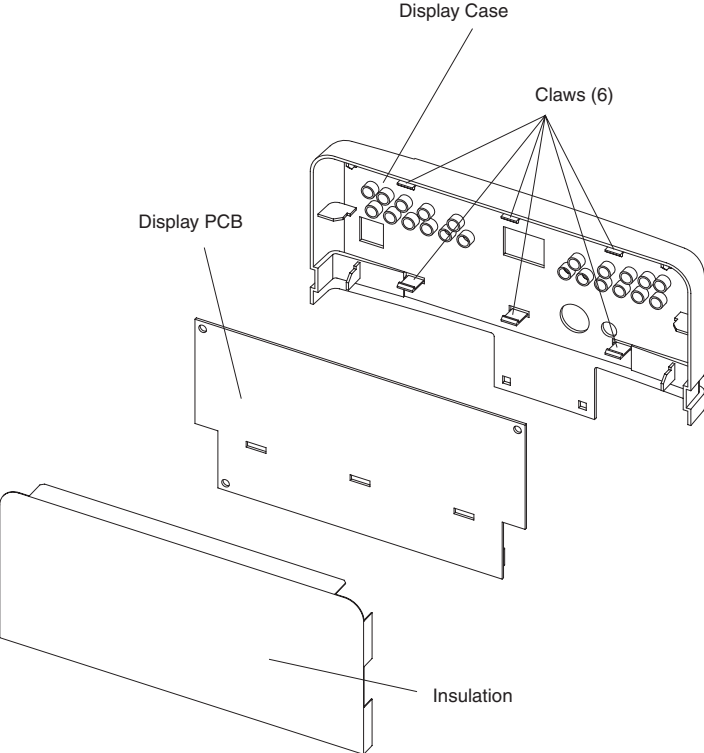
8. Removal of Display PCB

Procedure



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

Step	Procedure	Points
1.	Remove the display PCB.	<ul style="list-style-type: none"> ■ Take out the display PCB from behind the front panel.
■	Detach the front panel.	
1	Remove the 4 screws each from the right and left air direction plates. Detach the plates.	
2	Remove the thermal insulation.	
	 <p style="text-align: right;">(R2469)</p>	
3	The figure at right shows the display PCB.	
	 <p style="text-align: right;">(R7276)</p>	
4	Disconnect the connectors (S24, S29 and S36) from the display PCB.	
	 <p style="text-align: right;">(R2472)</p>	

Step	Procedure	Points
5	Undo the 4 claws (2 from the braid and 2 from the cover), and draw out the display case.	<p>■ The display case has the cover, braid and display PCB integrated.</p> <p><View from (A) ></p>  <p>(R2475)</p>
6	Take the display PCB out of the display case. To do this, detach the insulation from the back of the display PCB and undo the 6 claws.	 <p>(R7277)</p> <p>(R7278)</p>

9. Removal of Heat Exchanger

Procedure



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

Step	Procedure	Points
1. Detach the heat exchanger.		
<p>■ Detach the front panel.</p>	<p>1 Remove the air outlet guide and fin guard first, and the piping fixture. Release the heat exchanger thermistor and earth wire from the ditch of drain pan.</p>	
<p>2 Remove the 4 screws off the heat exchanger, and take it out.</p>		

Revision History

Month / Year	Version	Revised contents
07 / 2013	Si06-762	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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