



2.8/4.2/5.0 kW Class





Inverter



Wall Mounted Type



Service Manual Removal Procedure

Indoor Unit

●Heat Pump FTXR28EV1B9 FTXR42EV1B9 FTXR50EV1B9

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• The illustrations may be slightly different depending on the model.

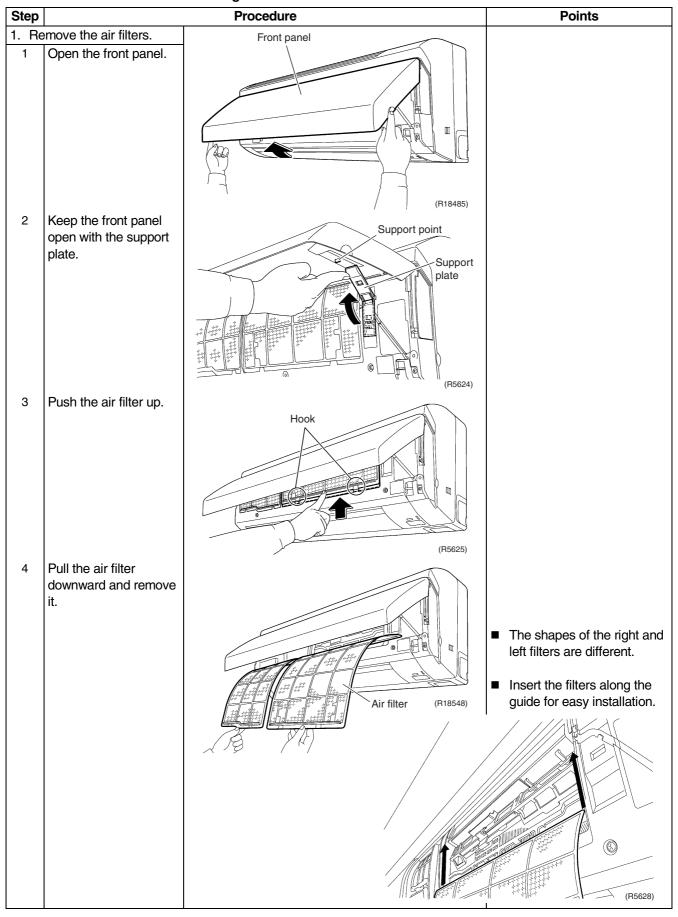
Air Filters / Panels Si041260

1. Air Filters / Panels

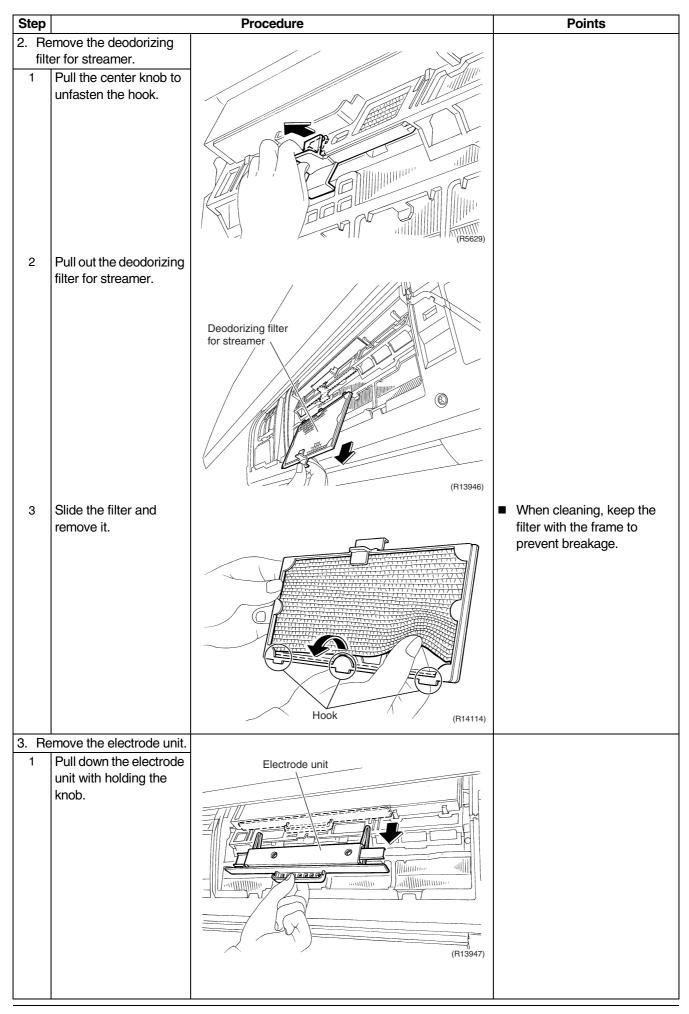


Warning

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



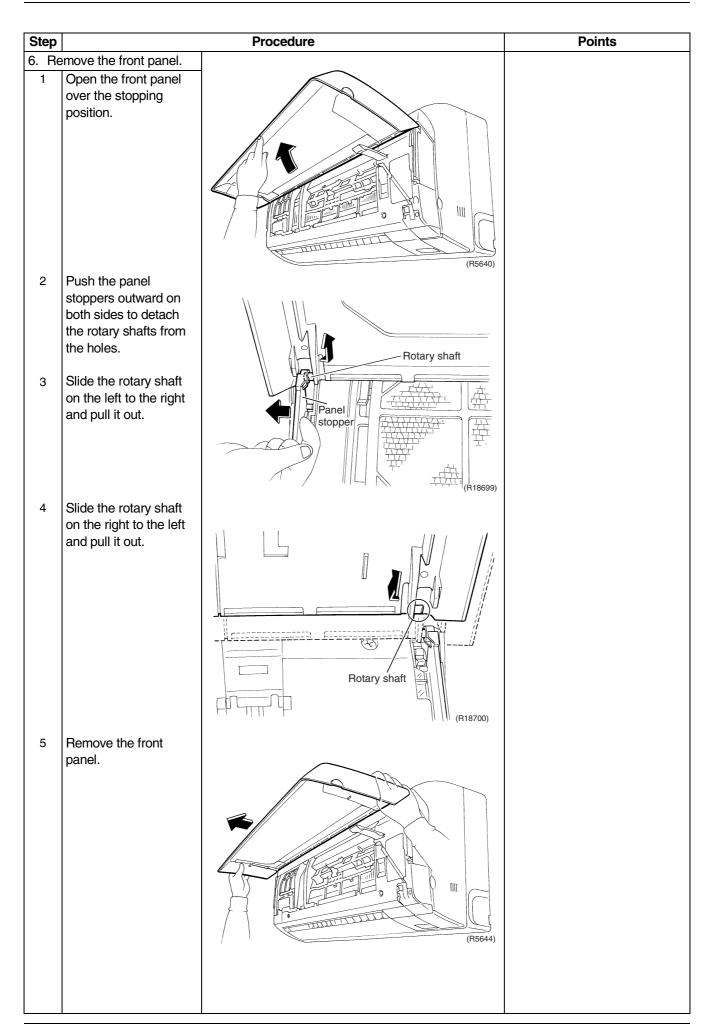
Si041260 Air Filters / Panels



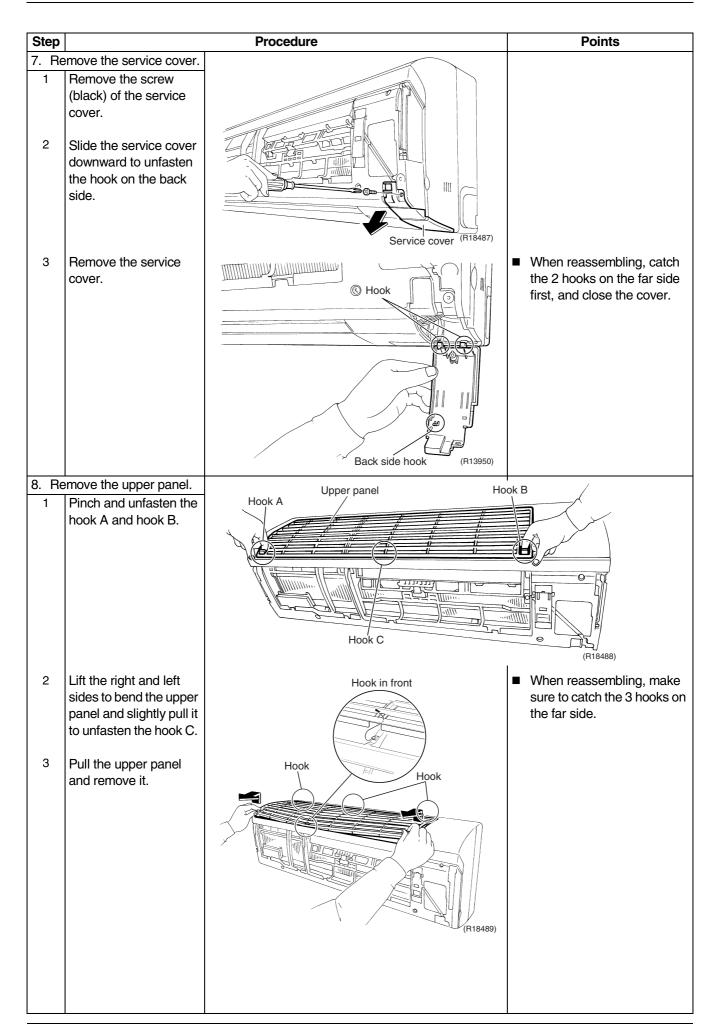
Air Filters / Panels Si041260

Step Points **Procedure** 4. Remove the Titanium Insert the filter along the apatite photocatalytic airguide for easy installation. Guide purifying filter. Release the projection of the frame of Titanium apatite photocatalytic air-Щинь purifying filter and Millian . remove it. Titanium apatite photocatalytic air-purifying filter (R18486) 2 Remove the Titanium apatite photocatalytic air purifying filter. (R14115) 5. Remove the air supply ■ Insert the filter along the guide for easy installation. filter. Air supply filter Lift the air supply filter ■ Install the air supply filter up and take it out. correctly so that the front mark comes front. Humidifying operation without installing the air supply filter may form condensation inside the @ front panel and it causes water leakage. (R13949) Unfasten the 2 hooks ■ There are 4 hooks for the air to open the frame and supply filter. remove the air supply Hook filter. Hook (R18549)

Si041260 Air Filters / Panels



Air Filters / Panels Si041260



Si041260 Front Grille

2. Front Grille

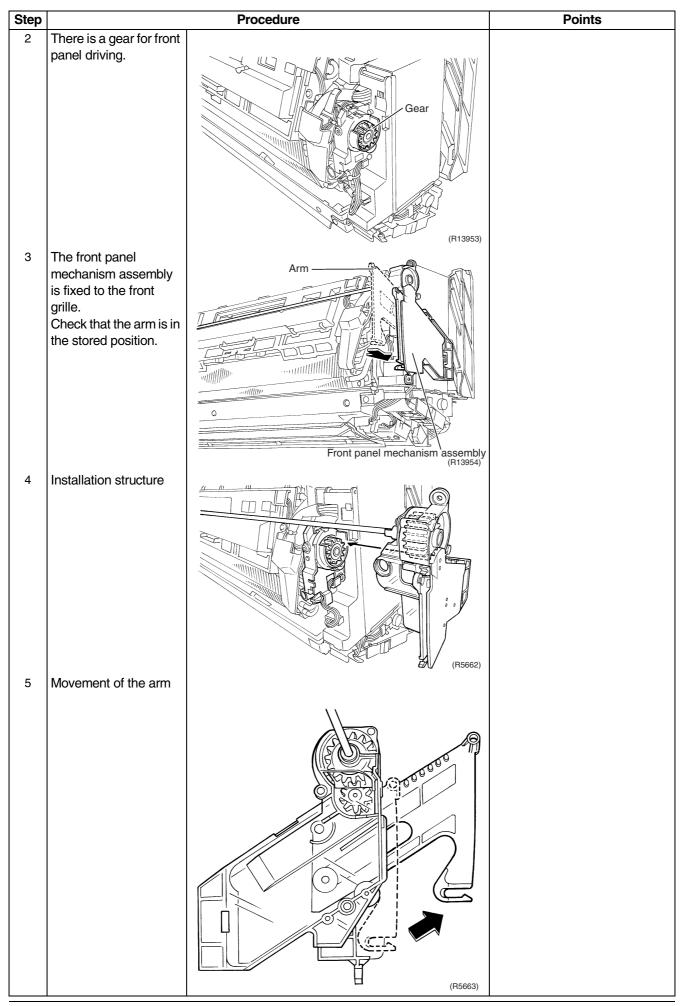


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Step Procedure **Points** 1. Remove the front grille. ■ If the hooks are hard to be unfasten, use a flat Remove the 3 screws. Hook screwdriver. The convex marks (...) on the front panel indicate the 2 Unfasten the upper 3 position of the hooks. hooks. Front grille (R13952) 3 Open the horizontal blade (large) fully for preventing it from getting caught in pulling the front grille out. Horizontal blade (large) Remove the front grille. (R5657) 2. Points on installing the ■ When reassembling, make front grille sure that the horizontal blade (large) does not come When reassembling inside. the front grille, fit the 4 lower hooks and push in until they click. When reassembling, follow the same steps for removal in reverse. (R5658) (R5659) Front grille

Front Grille Si041260

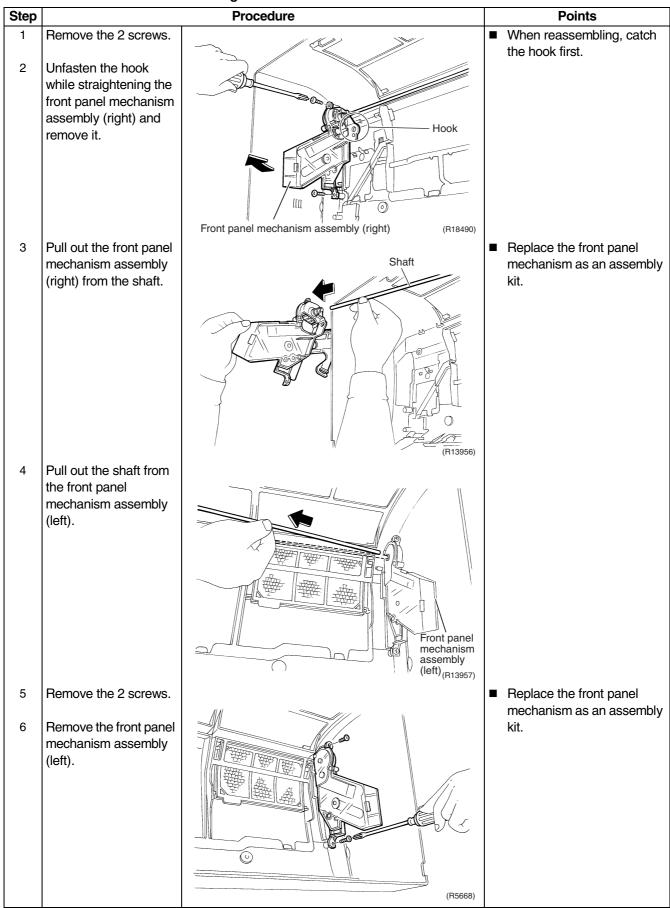


3. Front Panel Mechanism Assembly



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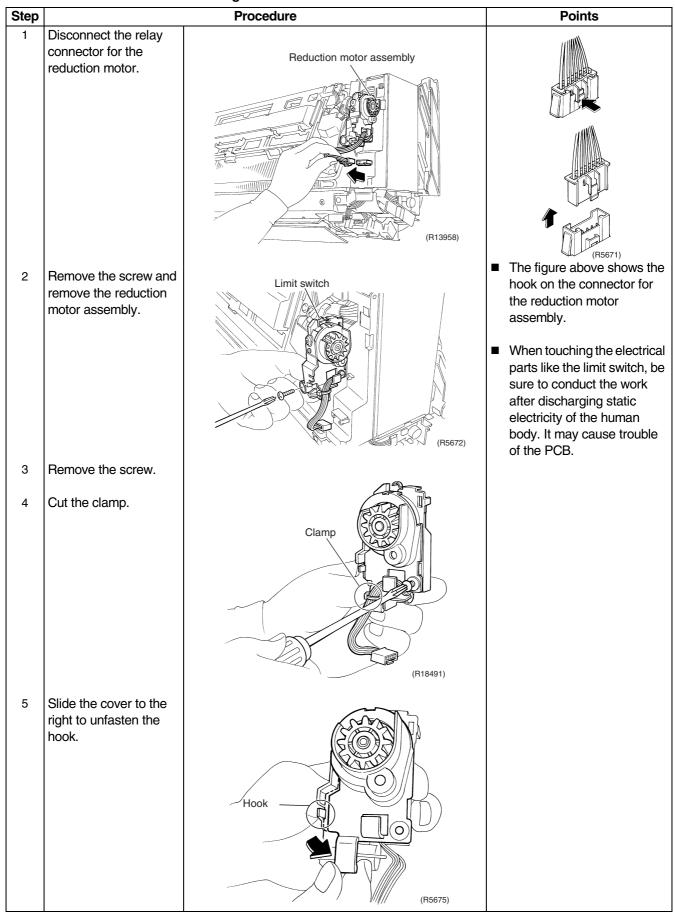
Reduction Motor Si041260

4. Reduction Motor

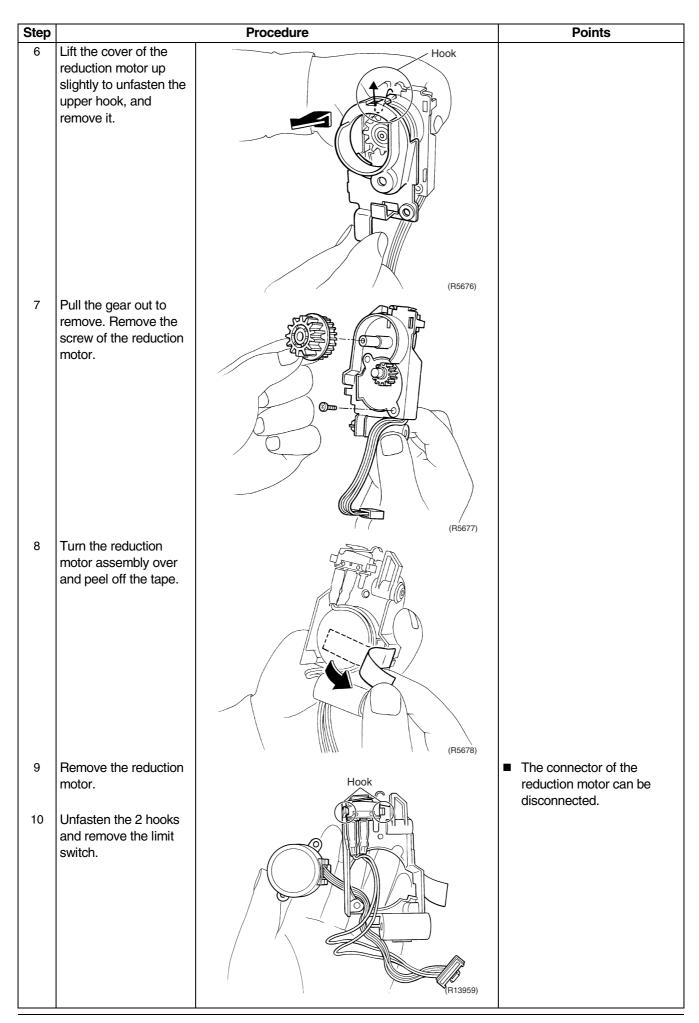


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Si041260 Reduction Motor



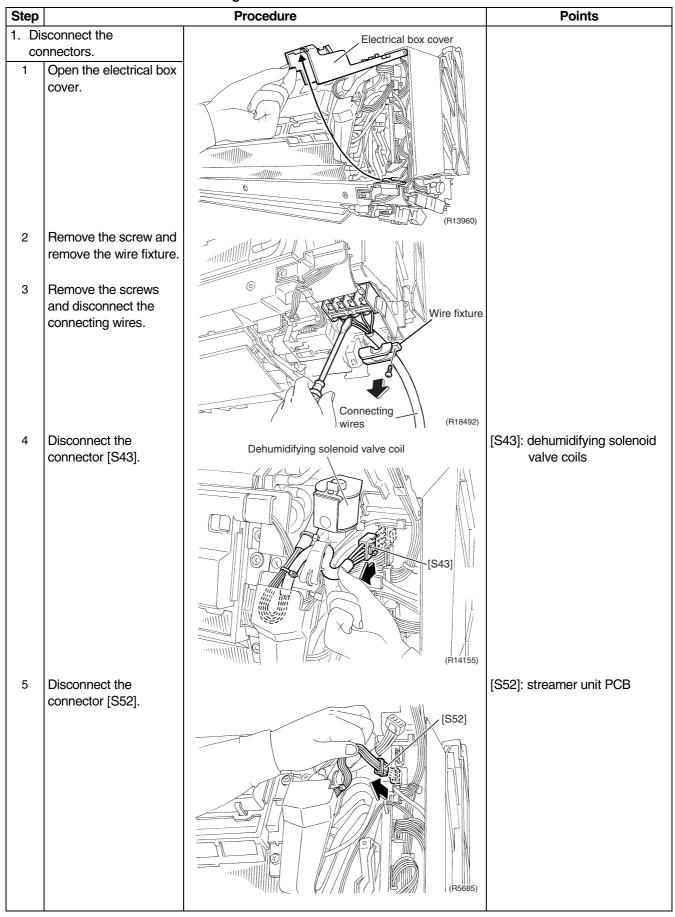
Electrical Box Si041260

5. Electrical Box

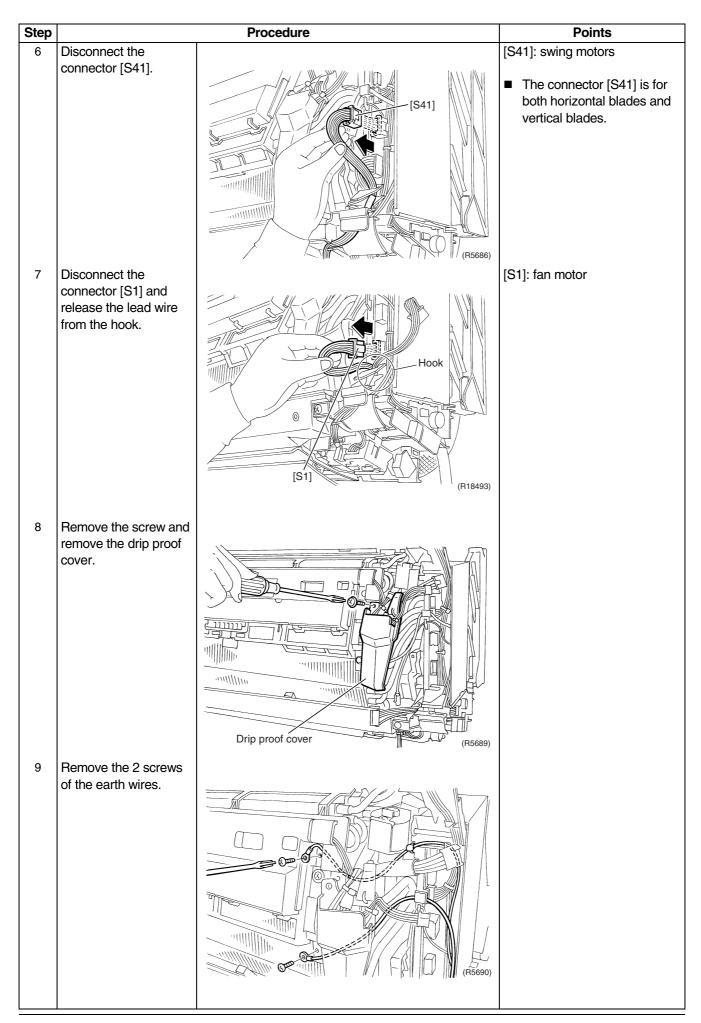


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Si041260 Electrical Box



Electrical Box Si041260

Step		Procedure	Points
10	Pull out the indoor heat exchanger thermistor.	Indoor heat exchanger thermistor Clip (R14158)	■ Be careful not to lose the clip for the thermistor.
2. Re	emove the electrical box.		
1	Remove the screw of the electrical box.	Electrical box (R5692)	
2	Close the electrical box cover and slide the electrical box to unfasten the hook in the key hole.	(R5693)	
3	Push up the bottom side of the electrical box or push the bottom frame to the back.		■ When reassembling, insert the upper hook and push slightly, and then make sure to catch the lower hook.
4	Unfasten the upper hook and remove the electrical box.	(R18494)	

Si041260 **PCBs**

6. PCBs

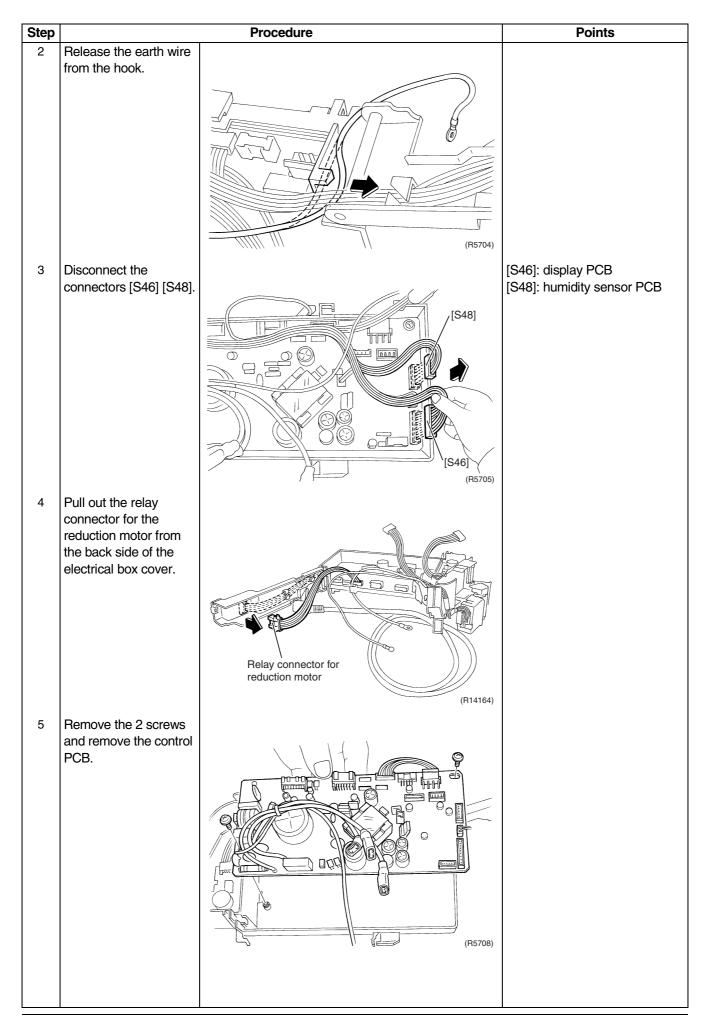


Warning

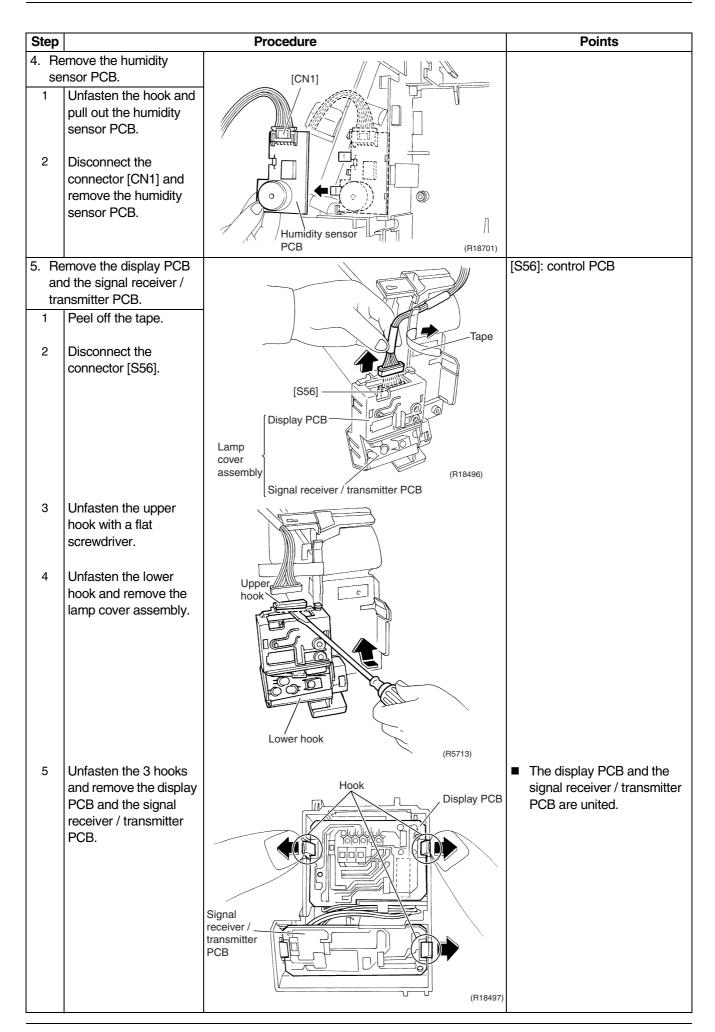
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Step		Procedure	Points
	move the shield plate		
2	While opening the shield plate, unfasten the lower hook. Lift the shield plate up to unfasten the upper hook and remove it.	Lower hook (R18708)	Upper hook (R18495)
	emove the terminal		
	ard.	<u> </u>	
1	Remove the screw and pull out the terminal		
	board.		
		Terminal board	
		(R14161)	
2	Disconnect the		Black (1) power supply
	terminals with pliers.		White (2) power supply Red (3) signal
			Green earth
3 Re	move the control PCB.	(R14162)	■ When reassembling, fix the
1	Cut the 3 clamps.		harnesses with clamps.
			'
		Clamp Control PCB (R14163)	
		(H14163)	

PCBs Si041260



Si041260 PCBs

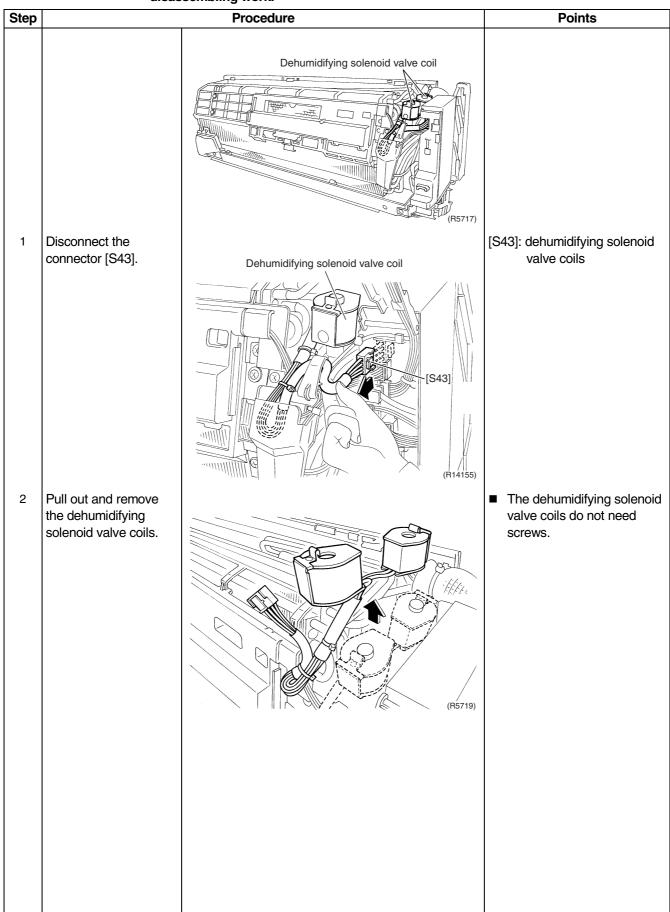


7. Dehumidifying Solenoid Valve Coils



Warning

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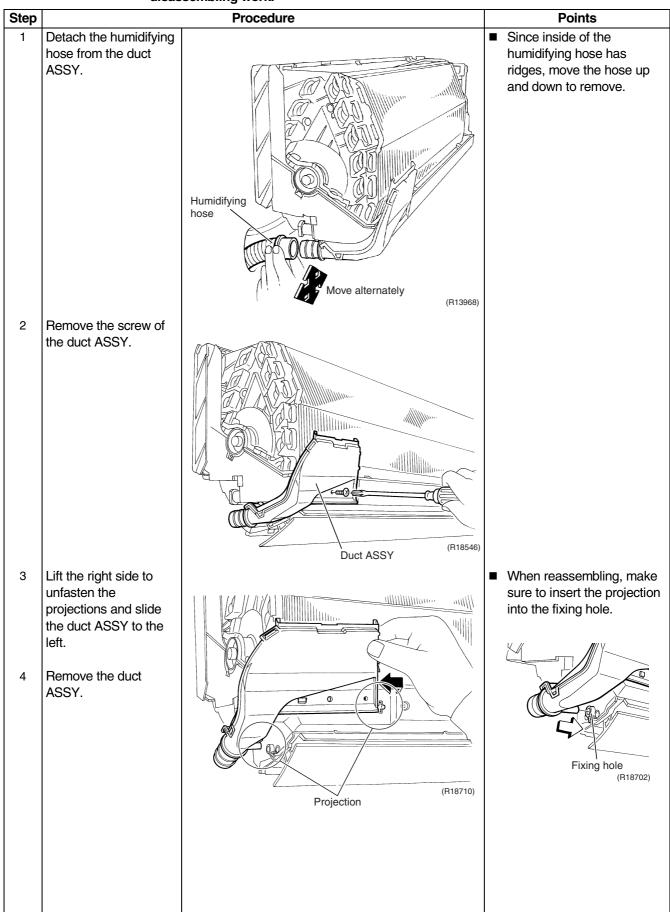
Si041260 Connecting Duct

8. Connecting Duct



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Drain Hose Si041260

9. Drain Hose



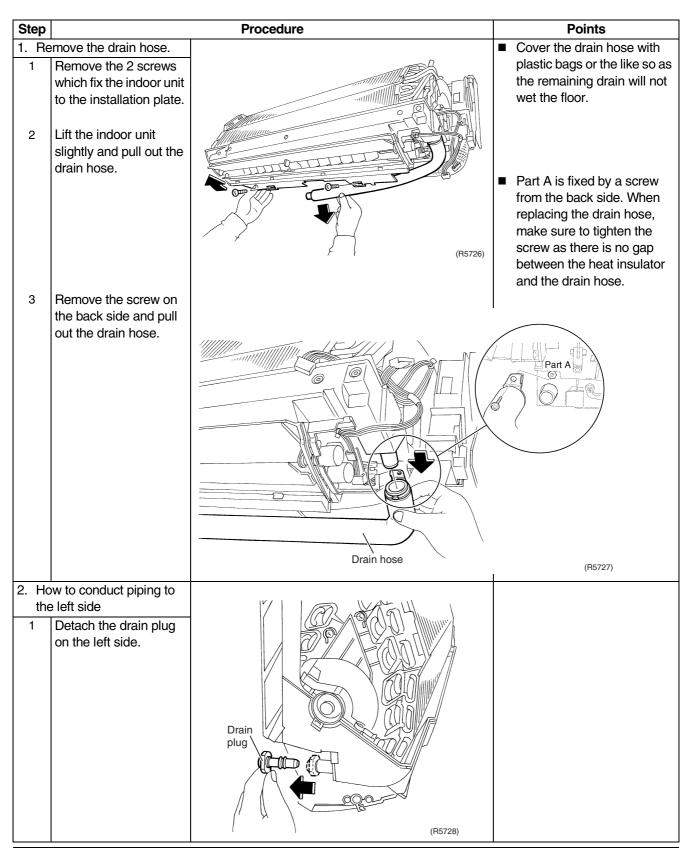
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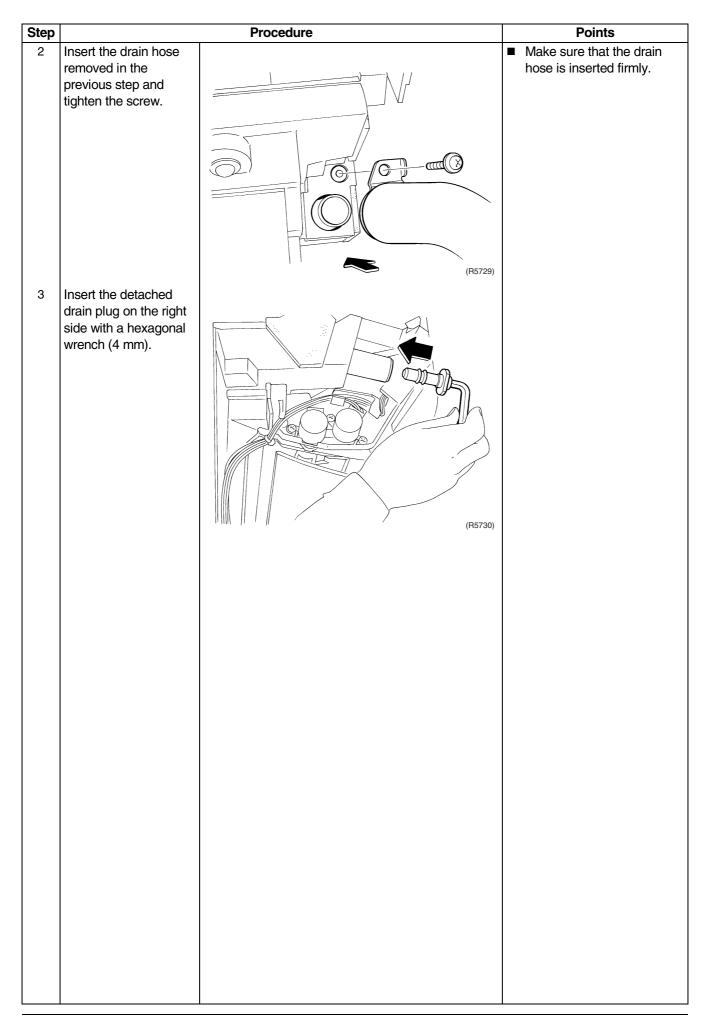


Caution

• Do not push the drain plug with a sharp device like a screwdriver. (The drain plug can be damaged and that causes leakage of water.)



Si041260 Drain Hose



Swing Motors Si041260

10.Swing Motors



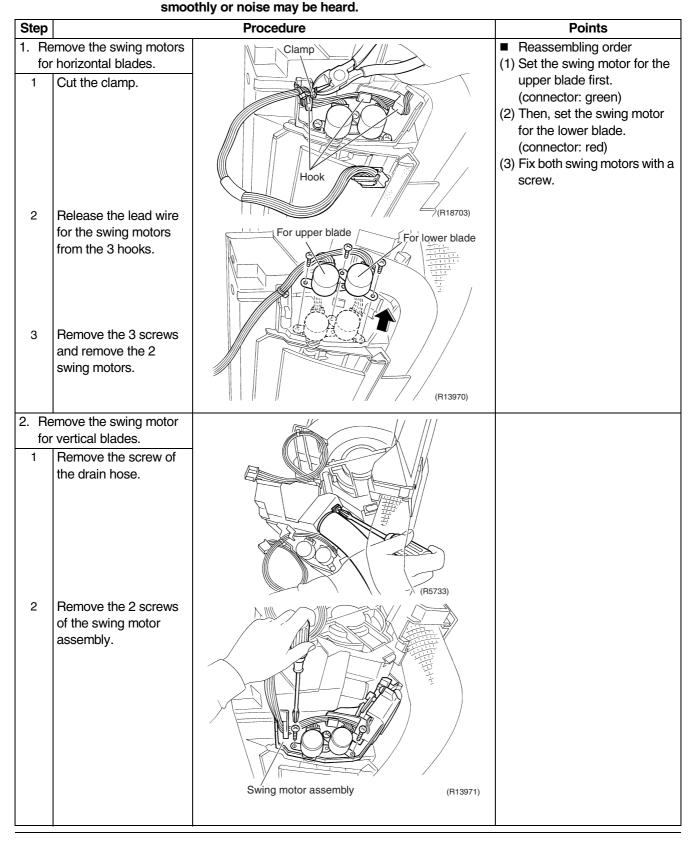
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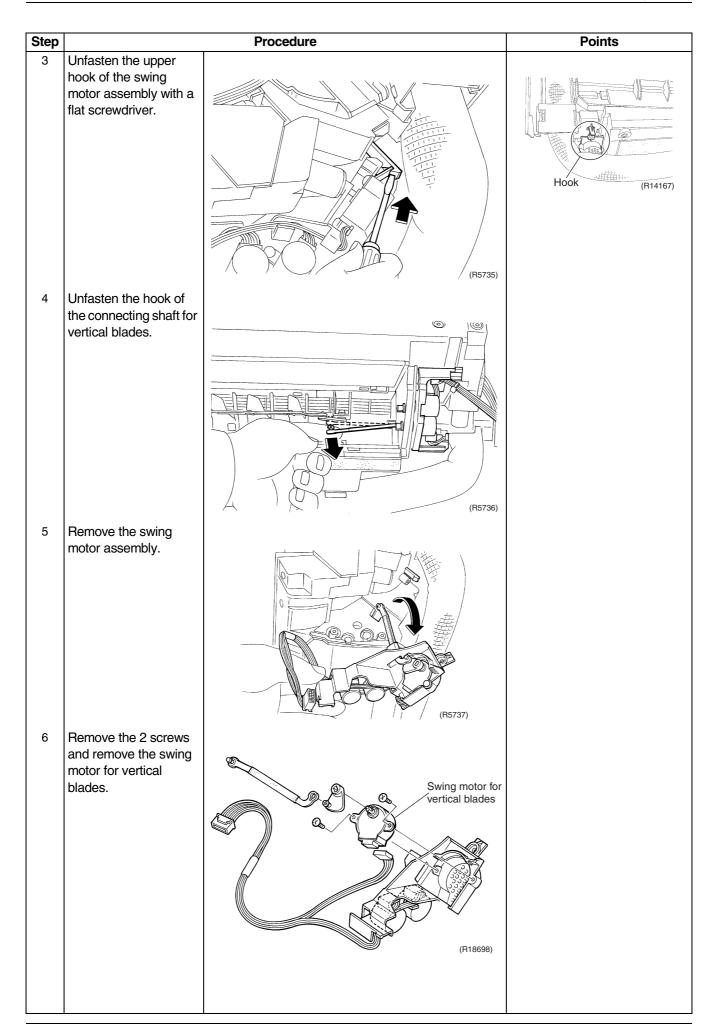


Caution

 When reassembling, do not confuse the installing order of the 2 motors for horizontal blades and the colors of the connectors.
 If you set the connectors or motors opposite, the horizontal blades do not move



Si041260 Swing Motors



Indoor Heat Exchanger Si041260

11.Indoor Heat Exchanger

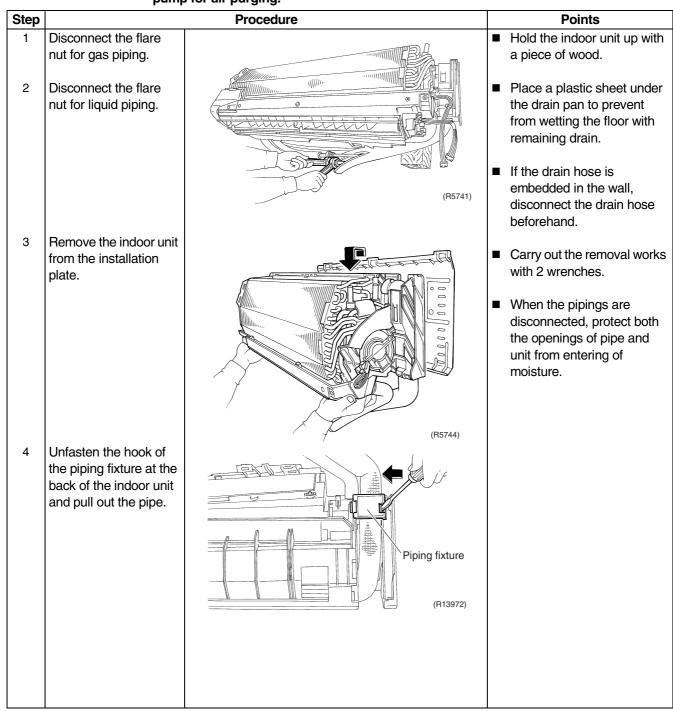


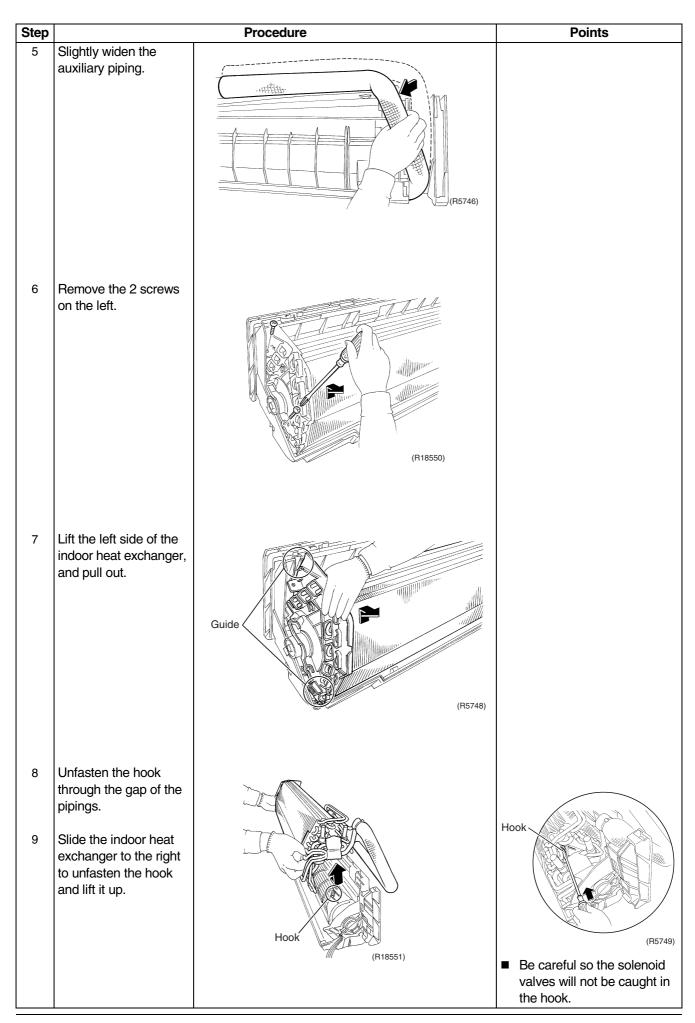
Warning

- 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 protective gloves or wrap the indoor heat exchanger with cloths. (You may be injured by the fins.)



- 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.





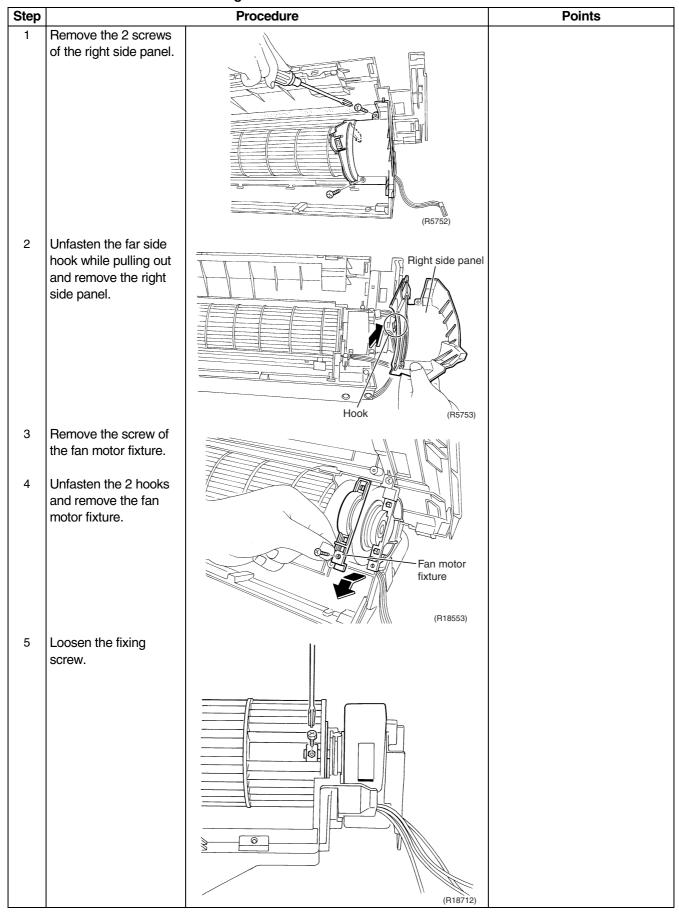
Fan Rotor / Fan Motor Si041260

12.Fan Rotor / Fan Motor

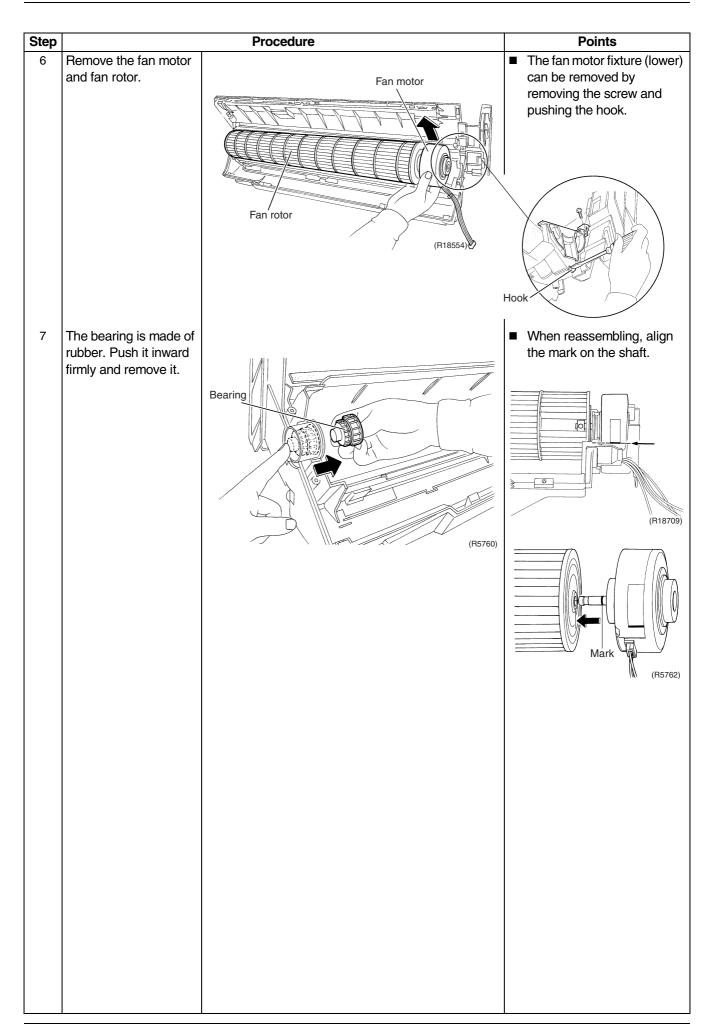


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Si041260 Fan Rotor / Fan Motor

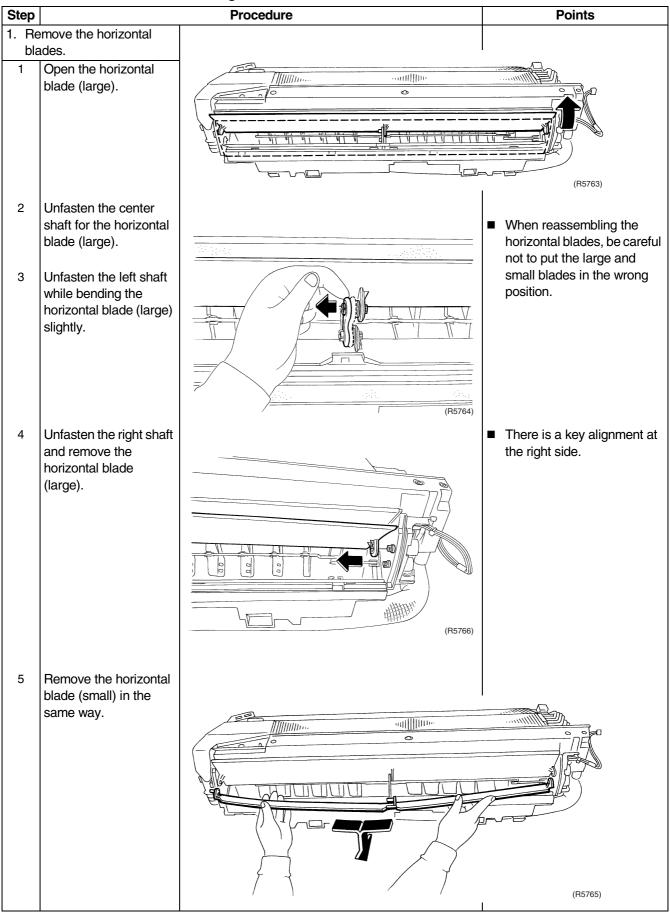


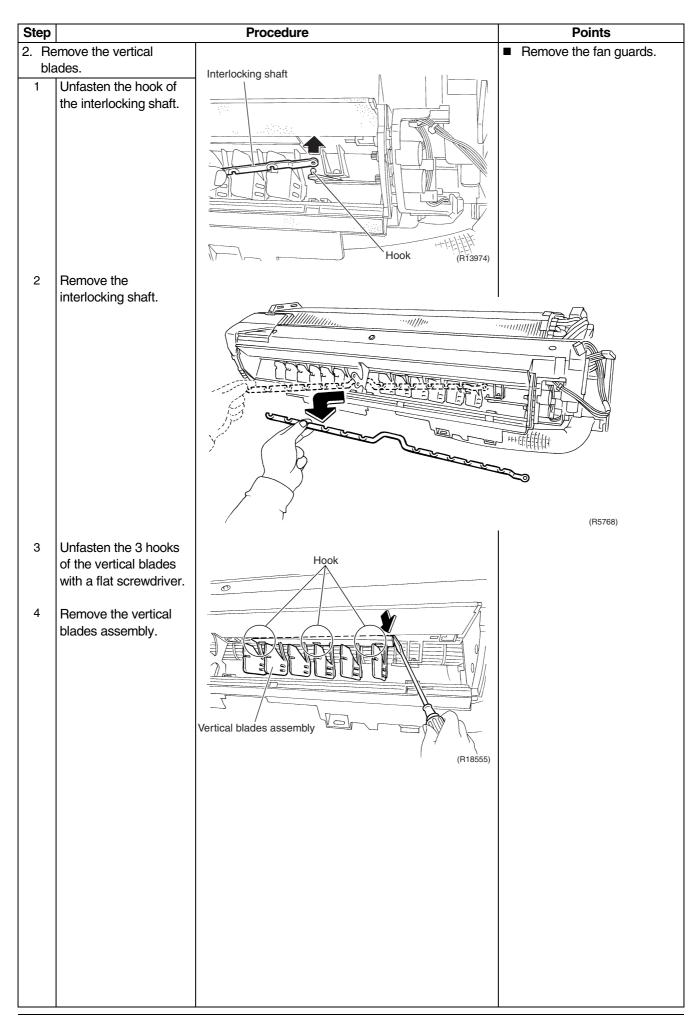
13. Horizontal Blades / Vertical Blades



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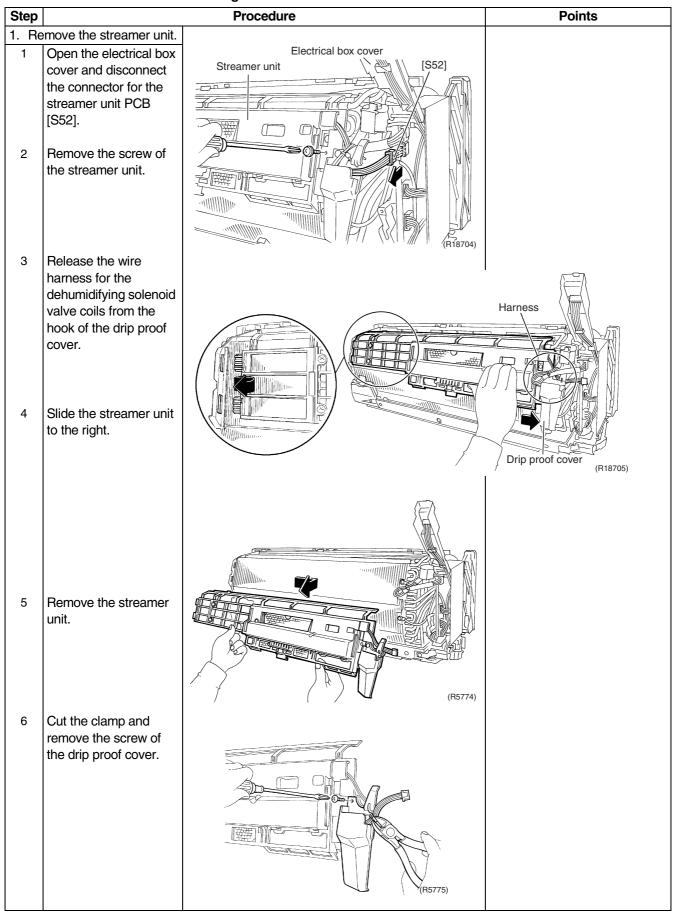
Streamer Unit Si041260

14.Streamer Unit

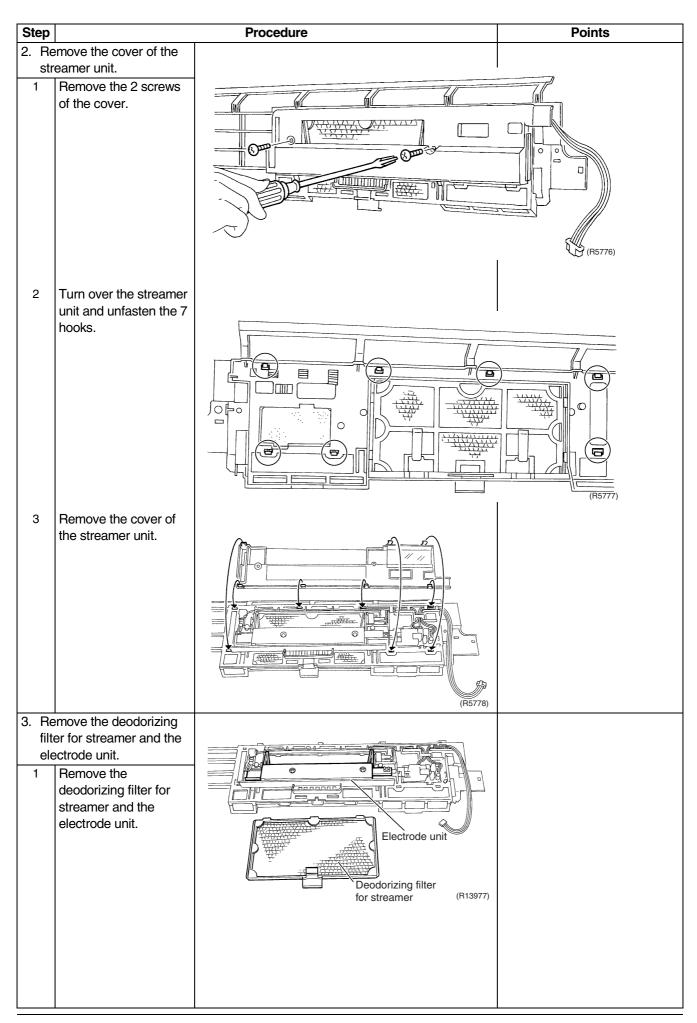


Warning

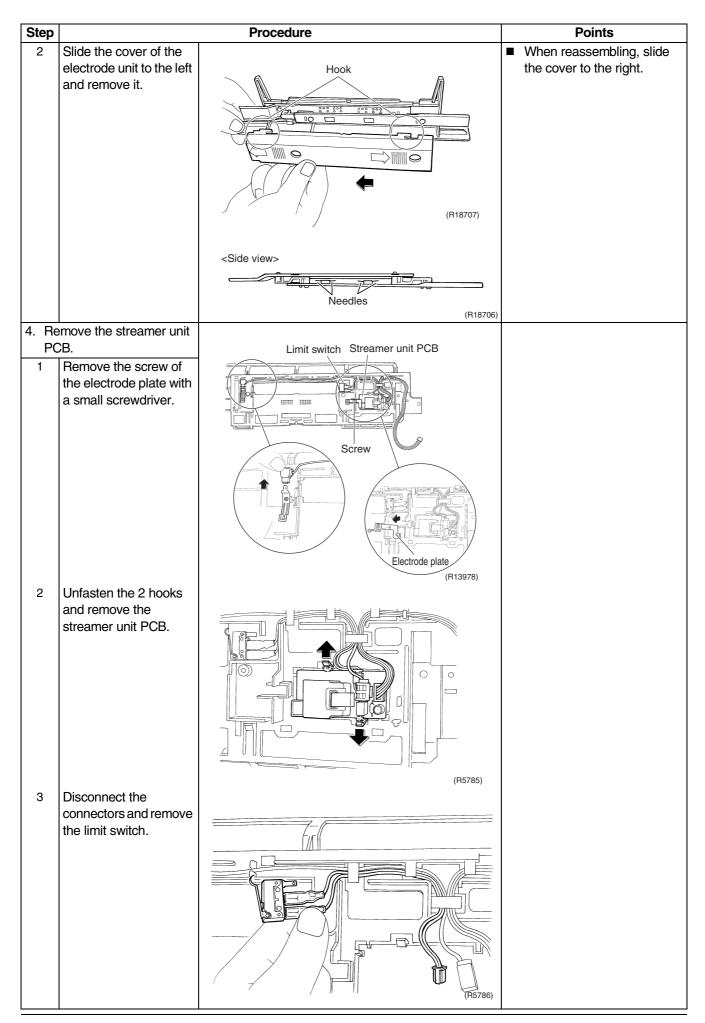
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Si041260 Streamer Unit



Streamer Unit Si041260



Revision History

Month / Year	Version	Revised contents
02 / 2013	Si041260	First edition



- 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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