



4.0/5.0 kW Class









Service Manual Removal Procedure

Outdoor Unit

●Heat Pump 2MXU40GV1B 2MXU50GV1B

Table of Contents

1.	Removal of Humidifier Unit	2
2.	Removal of Heater ASSY / Humidifying Rotor	
	(Moisture Adsorption Element) / Humidifying Rotor Motor	5
3.	Removal of Damper Motor	9
4.	Removal of Limit Switch / Humidifying Thermistor	11
5.	Removal of Fan-valve-duct ASSY	14
6.	Removal of Hygroscopic Fan Rotor / Hygroscopic Fan Motor	16
7.	Removal of Panels and Plates	17
8.	Removal of Electrical Box	20
9.	Removal of PCB	25
10	Removal of Sound Blankets	31
11	.Removal of Propeller Fan / Fan Motor	34
	Removal of Thermistors	
13	B.Removal of Compressor	39
	Removal of Four Way Valve / Electronic Expansion Valve	



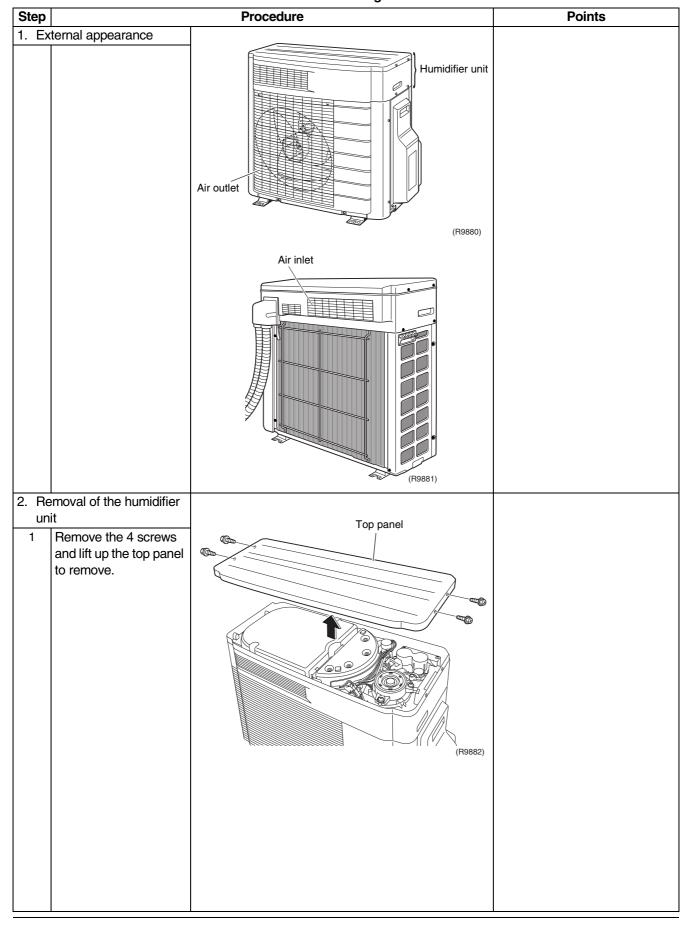
• The illustrations may be slightly different depending on the model.

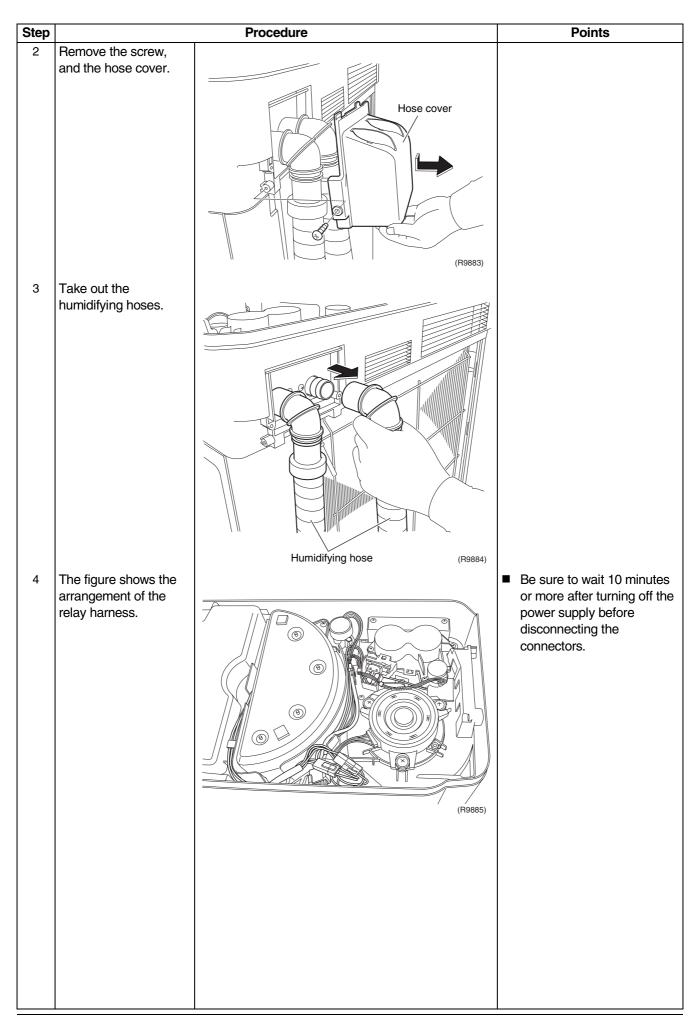
Removal of Humidifier Unit Si12-992

1. Removal of Humidifier Unit

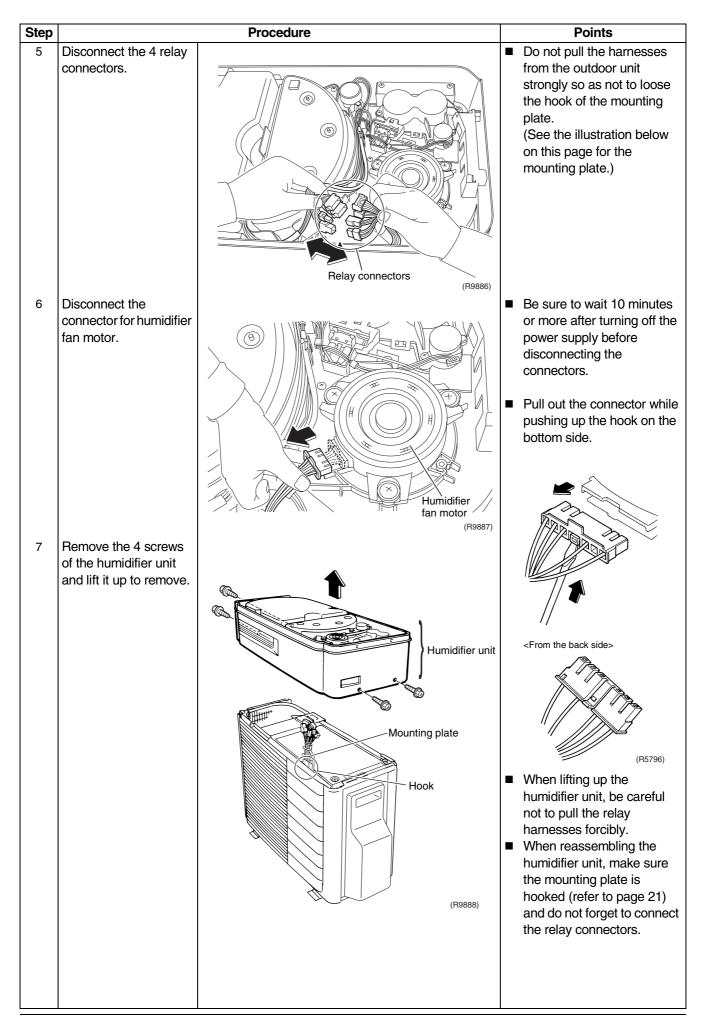
Procedure

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





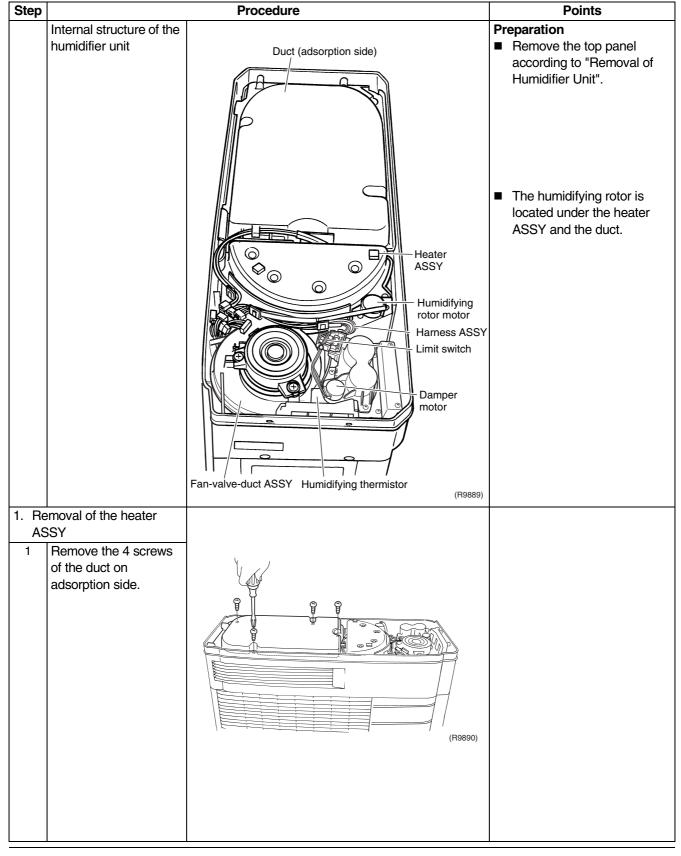
Removal of Humidifier Unit Si12-992

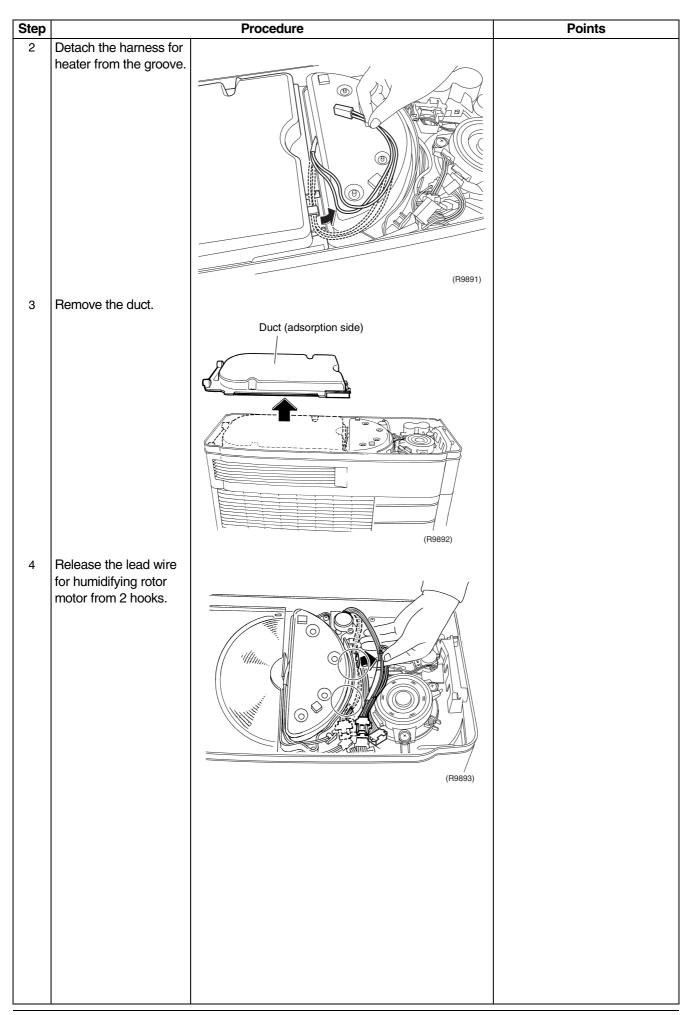


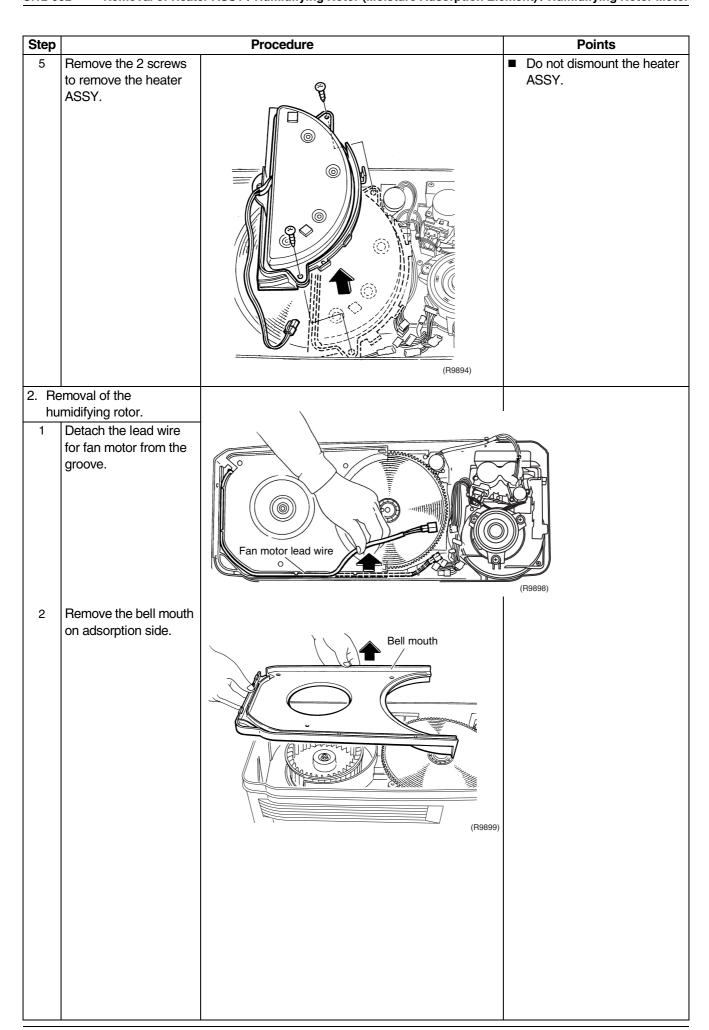
Removal of Heater ASSY / Humidifying Rotor (Moisture Adsorption Element) / Humidifying Rotor Motor

Procedure

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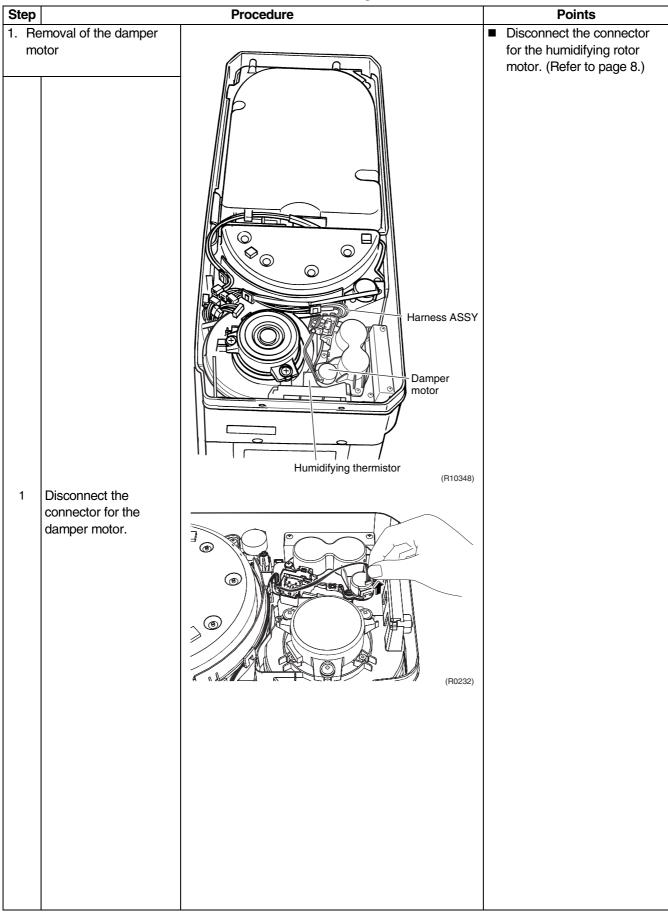


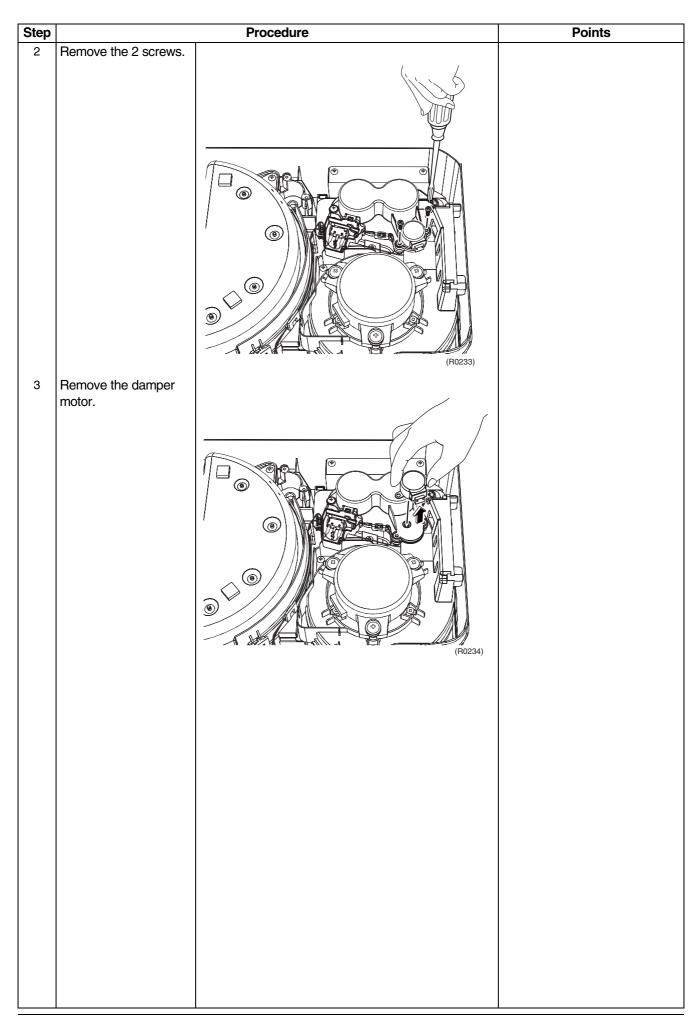
Step		Procedure	Points
3	Lift the humidifying rotor up to remove.	Humidifying rotor (R9900)	■ A heat catalyst (black) is applied on the upper side.
3. Re	l emoval of the		
	midifying rotor motor	1	
1	Disconnect the connector for the humidifying rotor motor.	(R9901)	
2	Remove the 2 screws of the humidifying rotor motor.	Humidifying rotor motor	
		Rotor driving part (R9902)	

3. Removal of Damper Motor

Procedure

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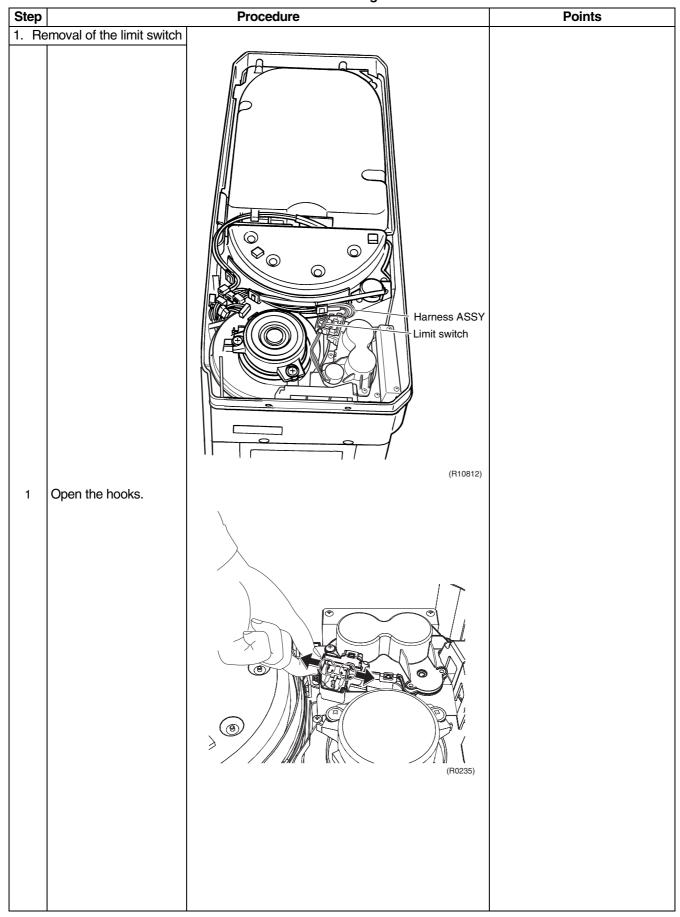


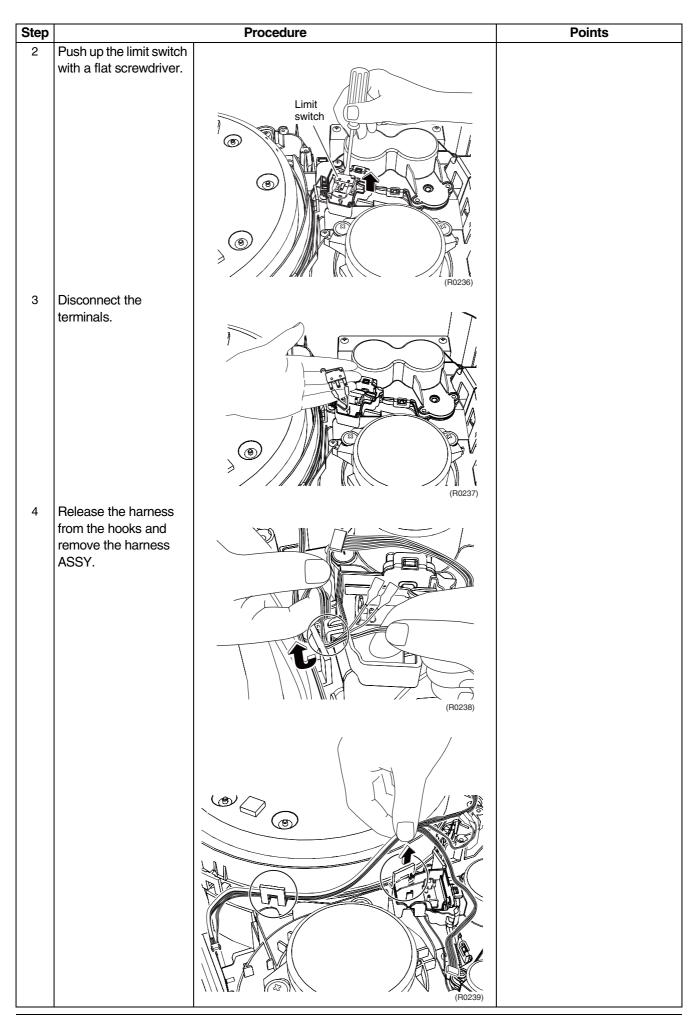


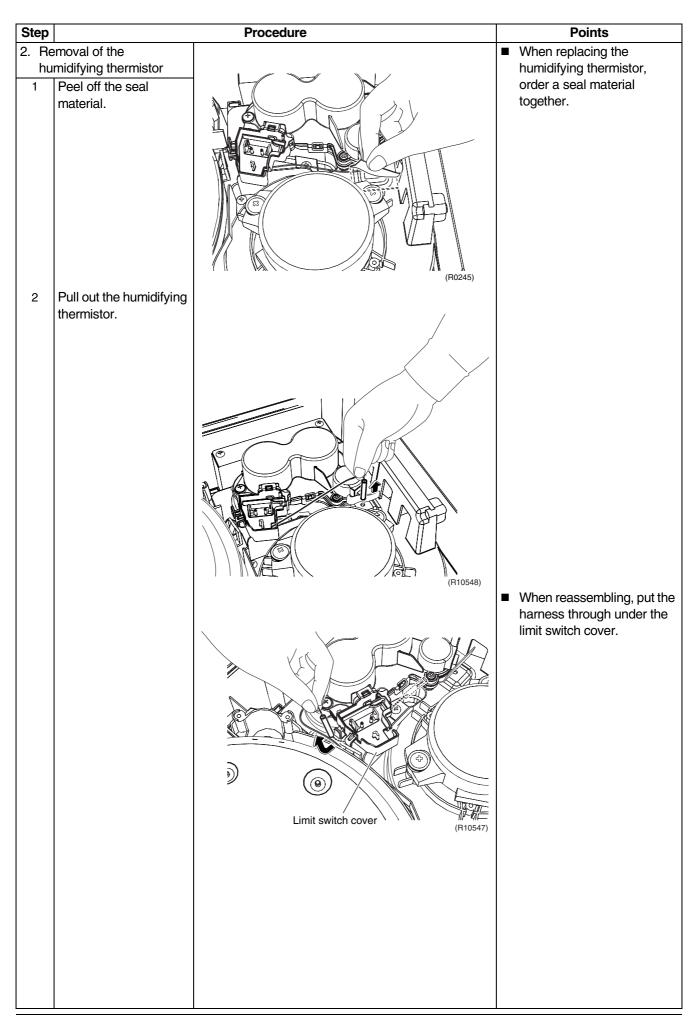
4. Removal of Limit Switch / Humidifying Thermistor

Procedure

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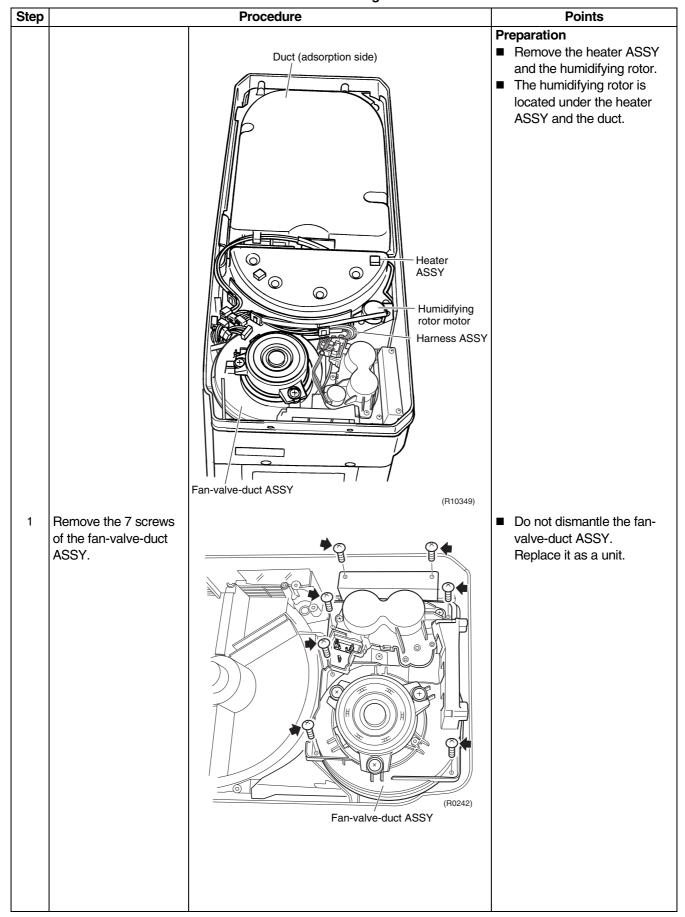


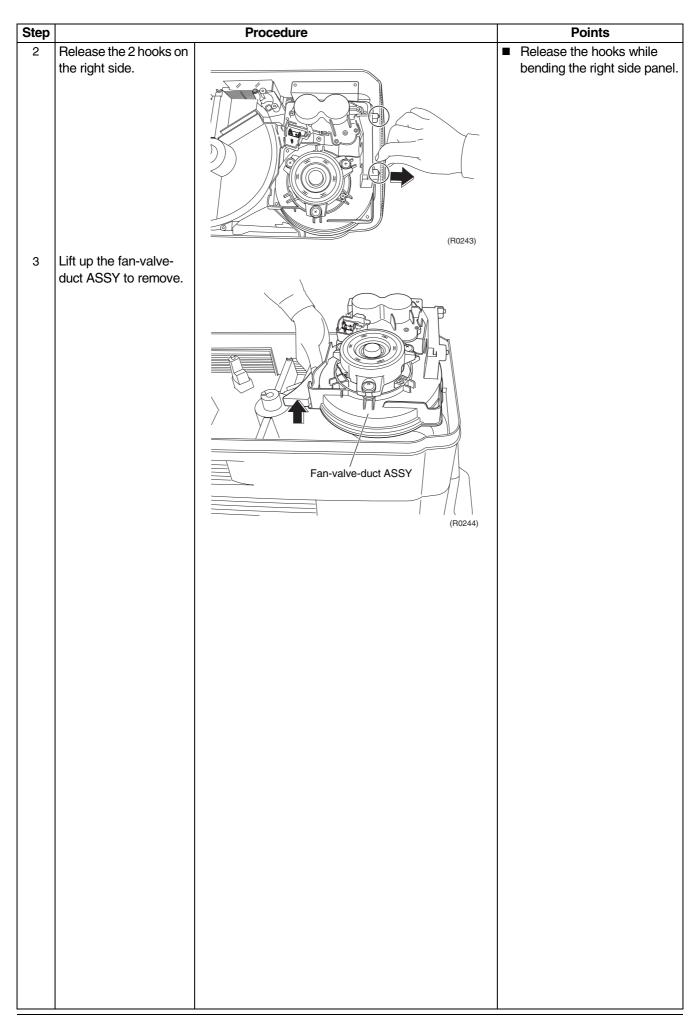


5. Removal of Fan-valve-duct ASSY

Procedure

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6. Removal of Hygroscopic Fan Rotor / Hygroscopic Fan Motor

Procedure

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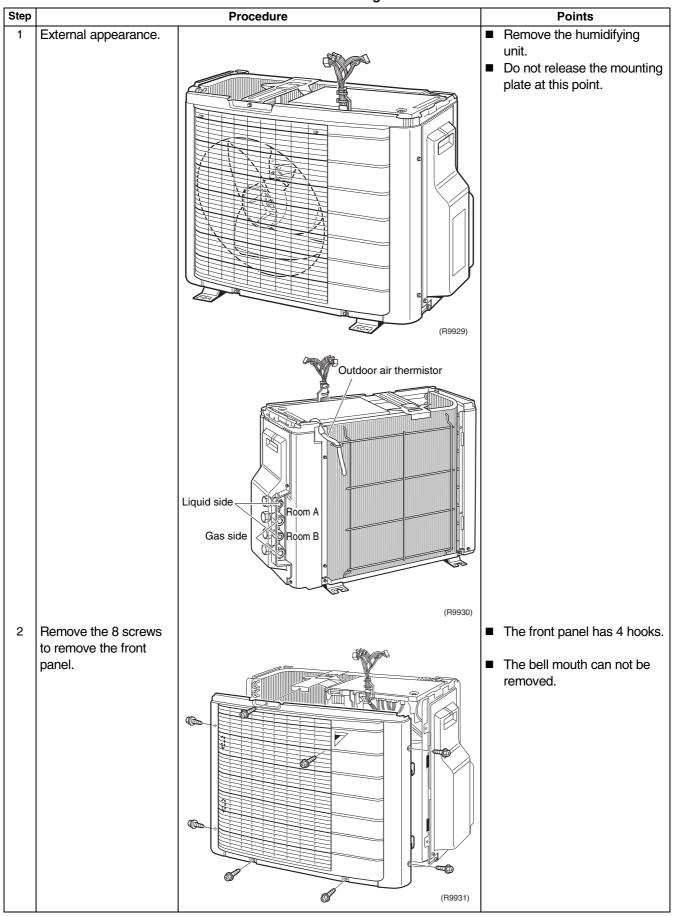
	before disassembling work.				
Step		Procedure	Points		
hy	emoval of the groscopic fan rotor SSY		Preparation ■ Remove the humidifying rotor according to "Removal		
1	Disconnect the connector for fan motor and remove the bell mouth on adsorption side.	(R9928)	of Humidifying Rotor".		
2	Unscrew the fan fixing nut (M6) of the hygroscopic fan rotor ASSY (sirocco fan rotor ASSY) and remove.	Fan fixing nut Hygroscopic fan rotor ASSY	 When reassembling, align the ▼ mark of the outdoor fan with the D-cut section of the motor shaft. Wrench size: 10mm 		
2 Be	emoval of the	(R5821)	■ Lift the motor cover first and		
	groscopic fan motor		pull out.		
1	Remove the 3 screws of the motor cover.	(R5822)	(R5824)		
2	Remove the hygroscopic fan motor.	Hygroscopic fan motor (R5823)			

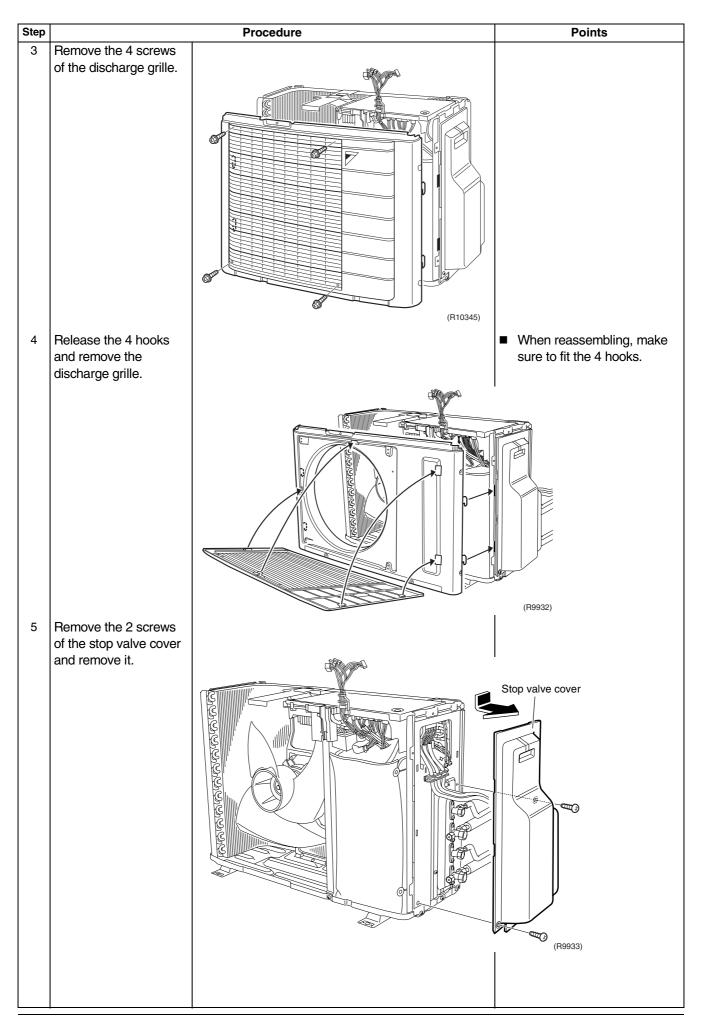
7. Removal of Panels and Plates

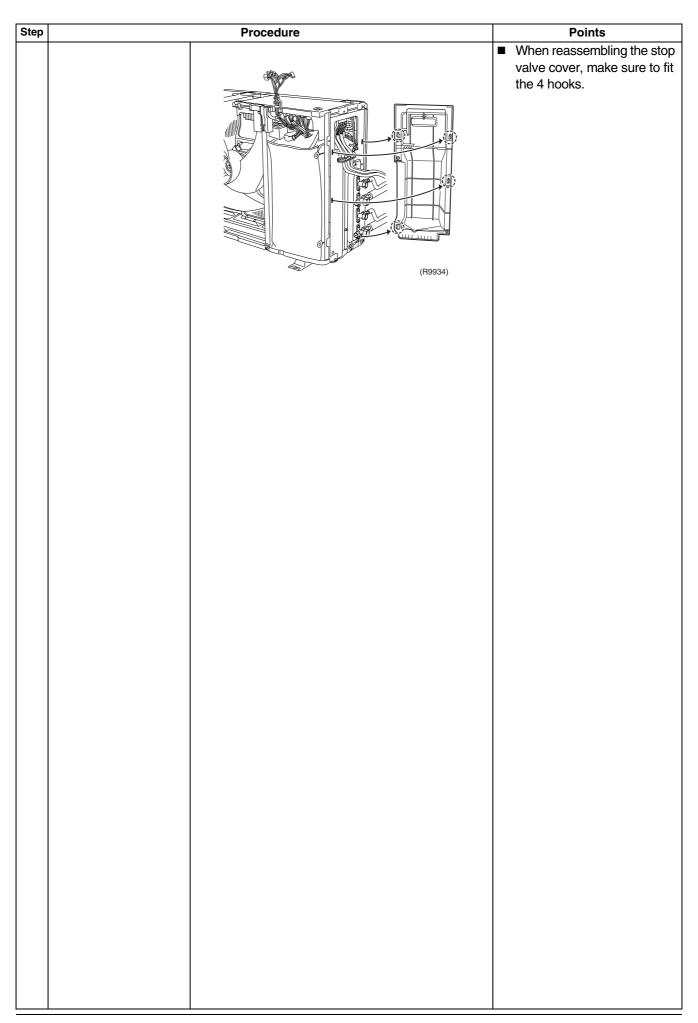
Procedure

Warning

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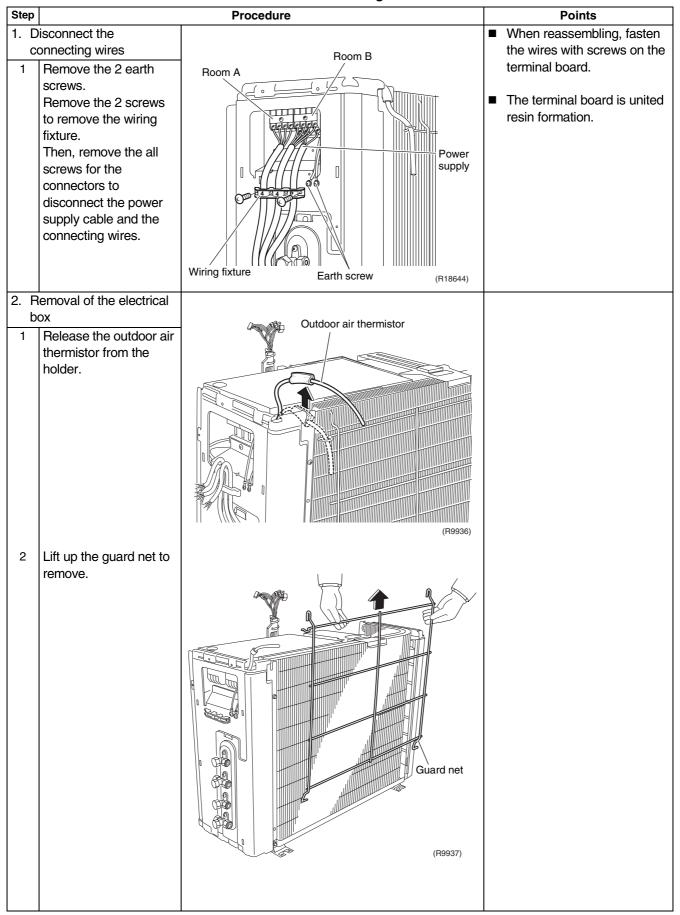
Removal of Electrical Box Si12-992

8. Removal of Electrical Box

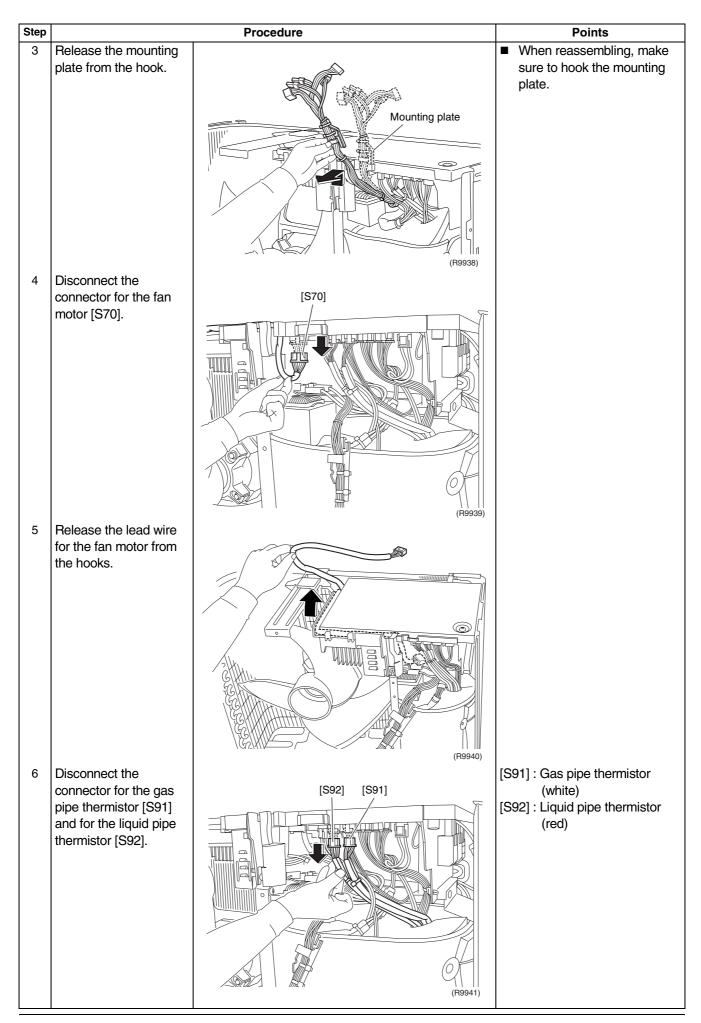
Procedure



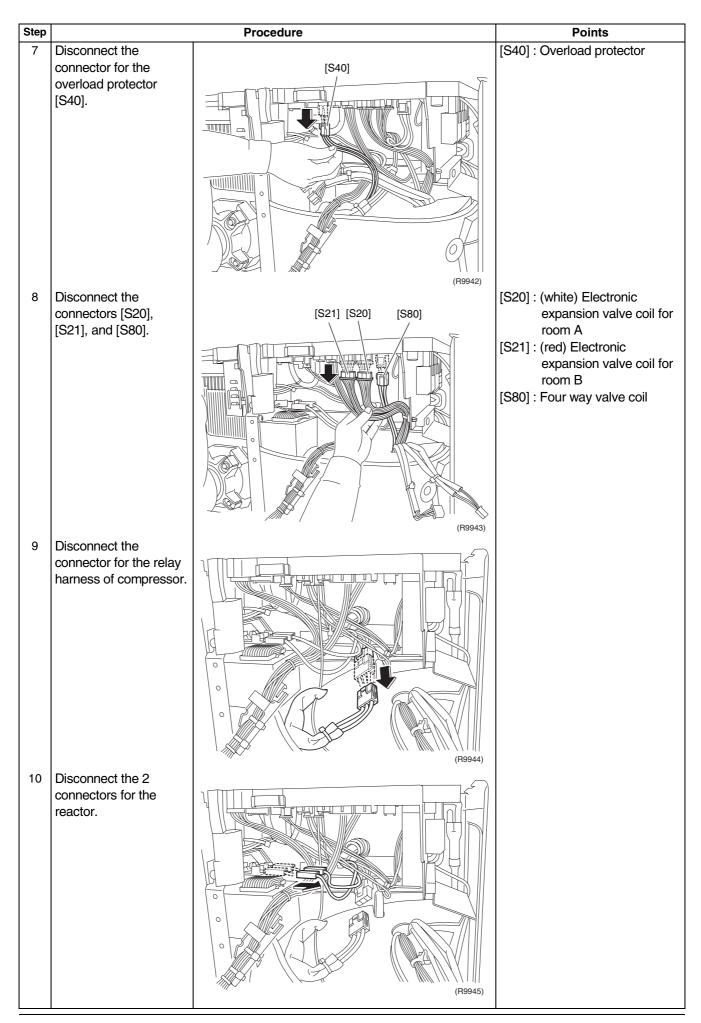
Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



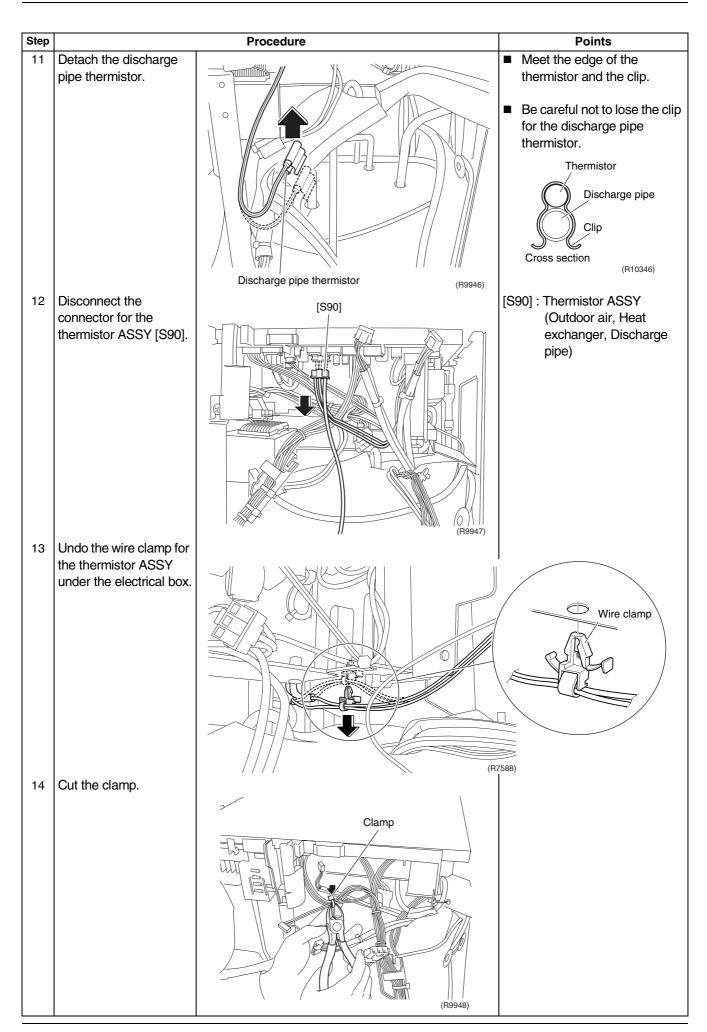
Si12-992 Removal of Electrical Box



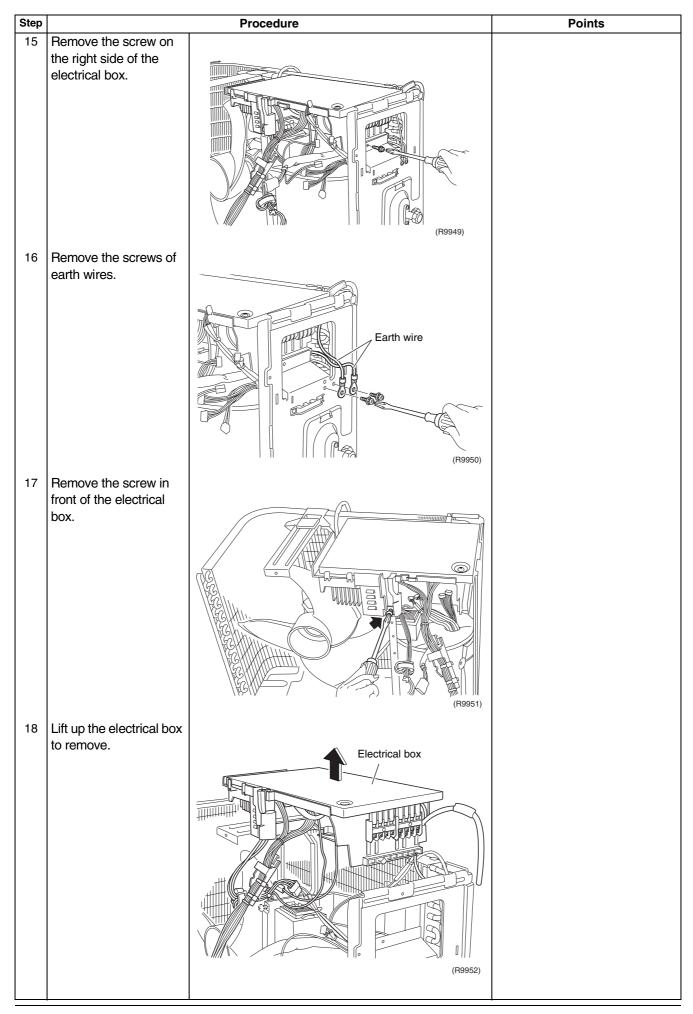
Removal of Electrical Box Si12-992



Si12-992 Removal of Electrical Box



Removal of Electrical Box Si12-992



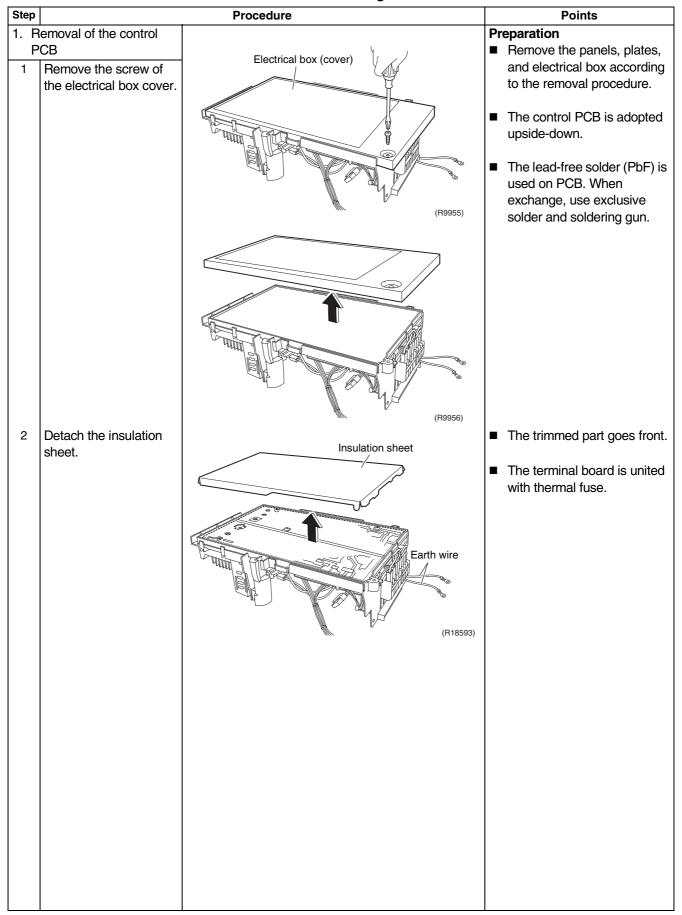
Si12-992 Removal of PCB

9. Removal of PCB

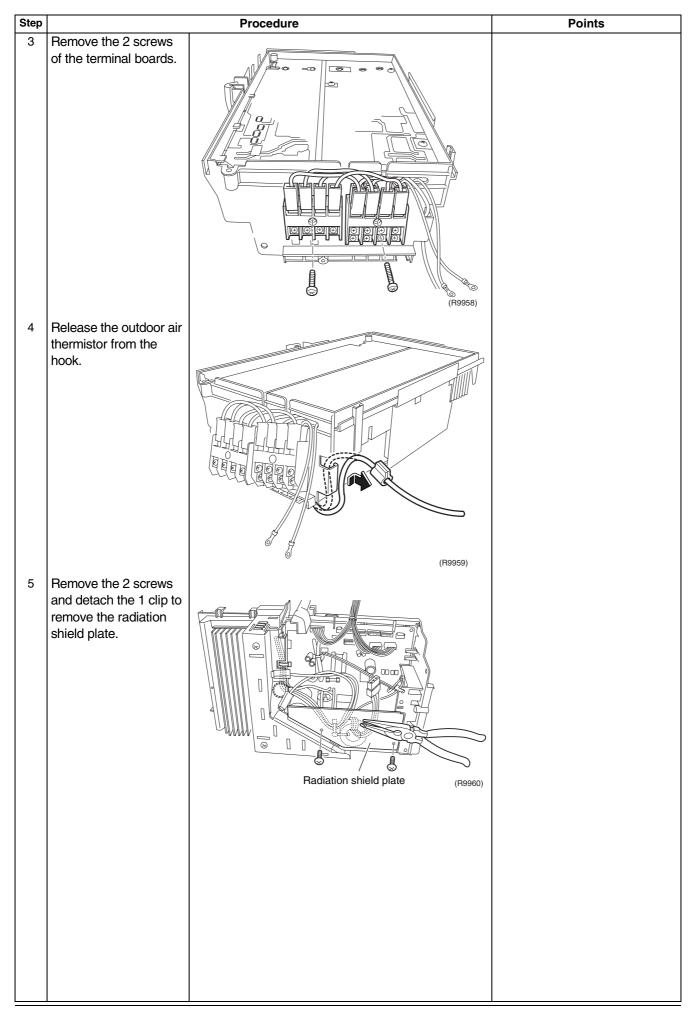
Procedure

Warning

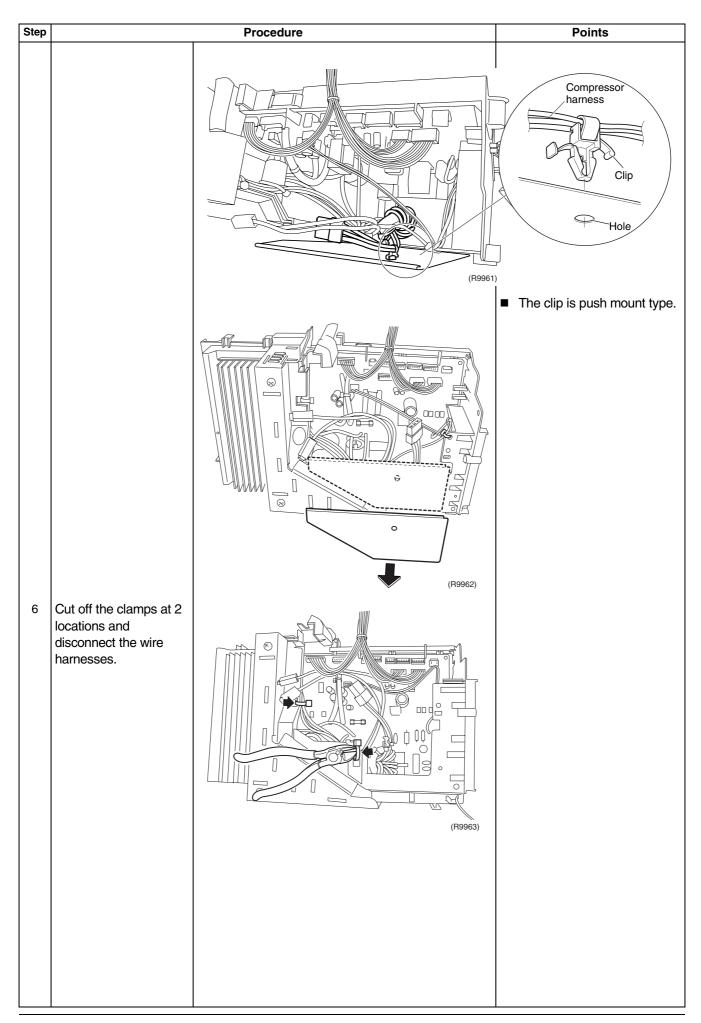
Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



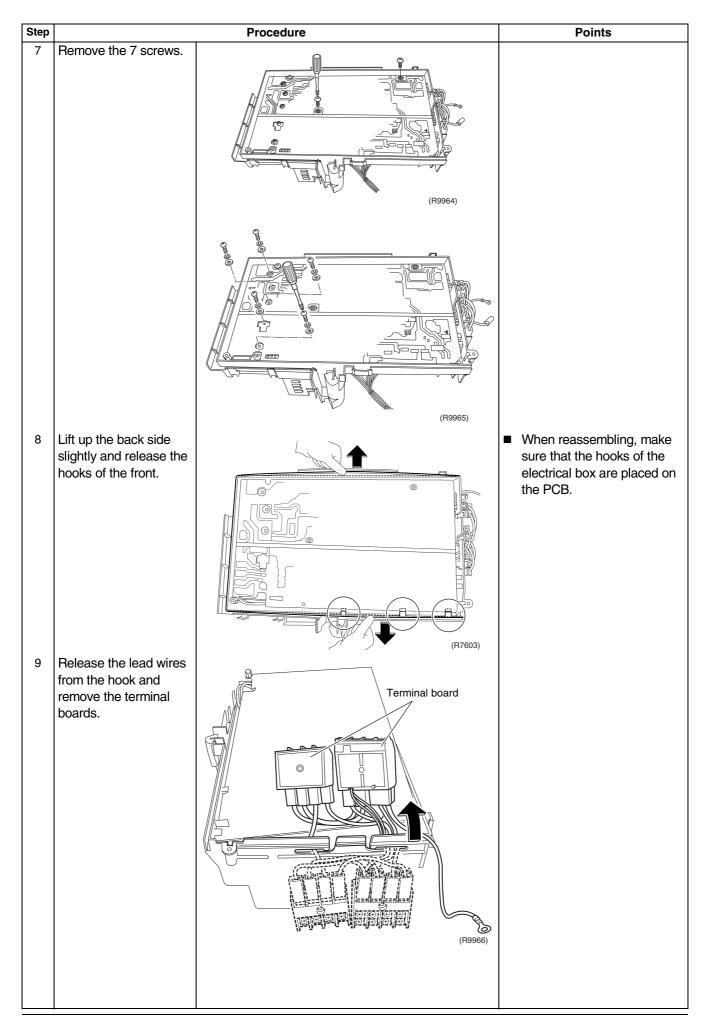
Removal of PCB Si12-992



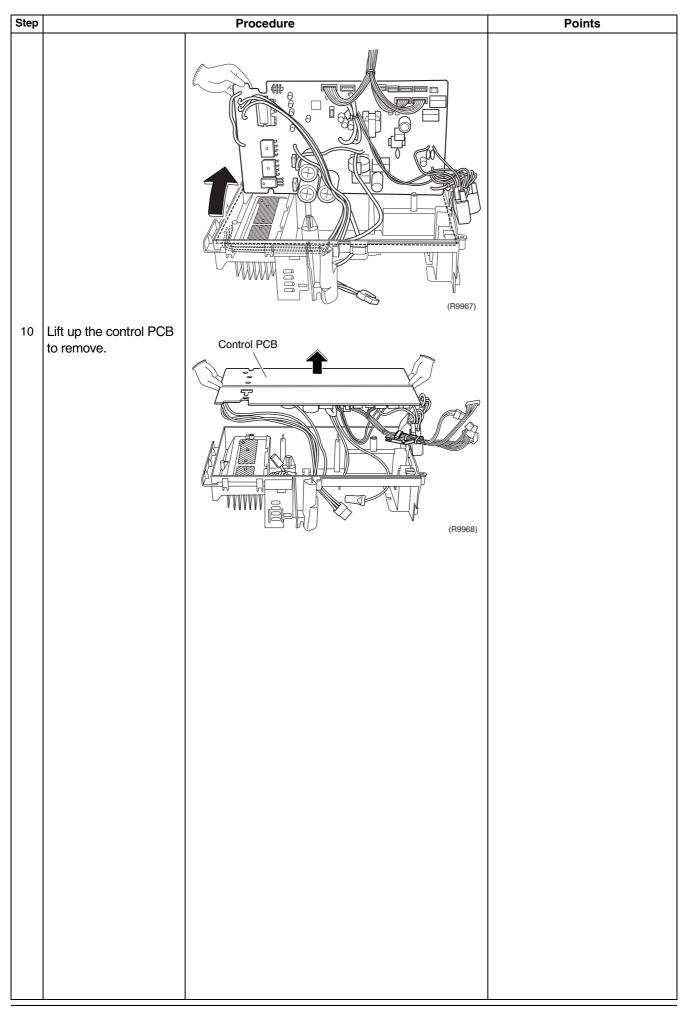
Si12-992 Removal of PCB



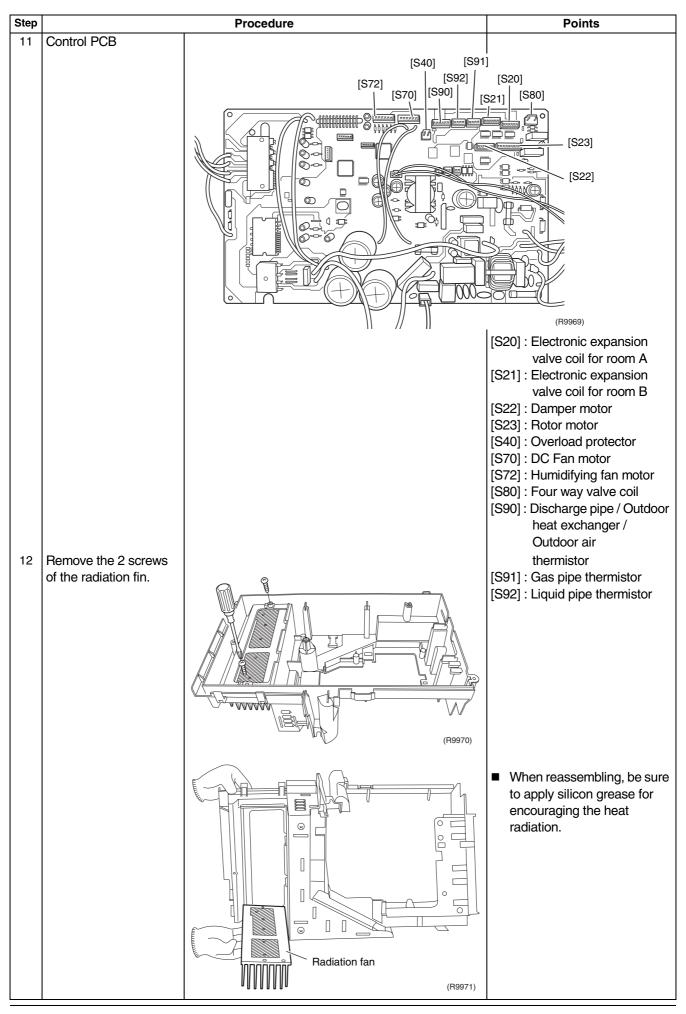
Removal of PCB Si12-992



Si12-992 Removal of PCB



Removal of PCB Si12-992

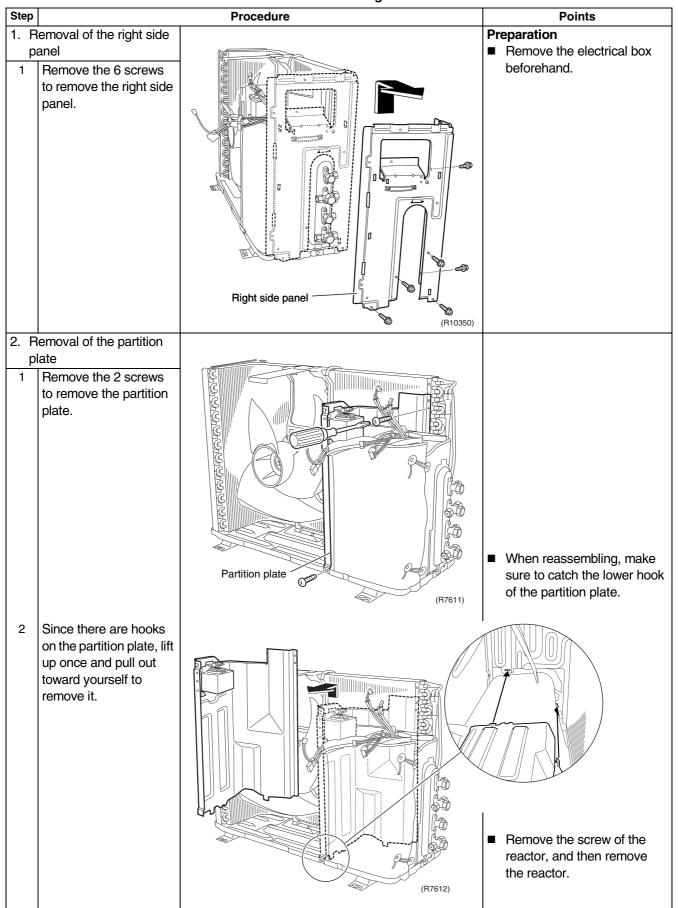


10. Removal of Sound Blankets

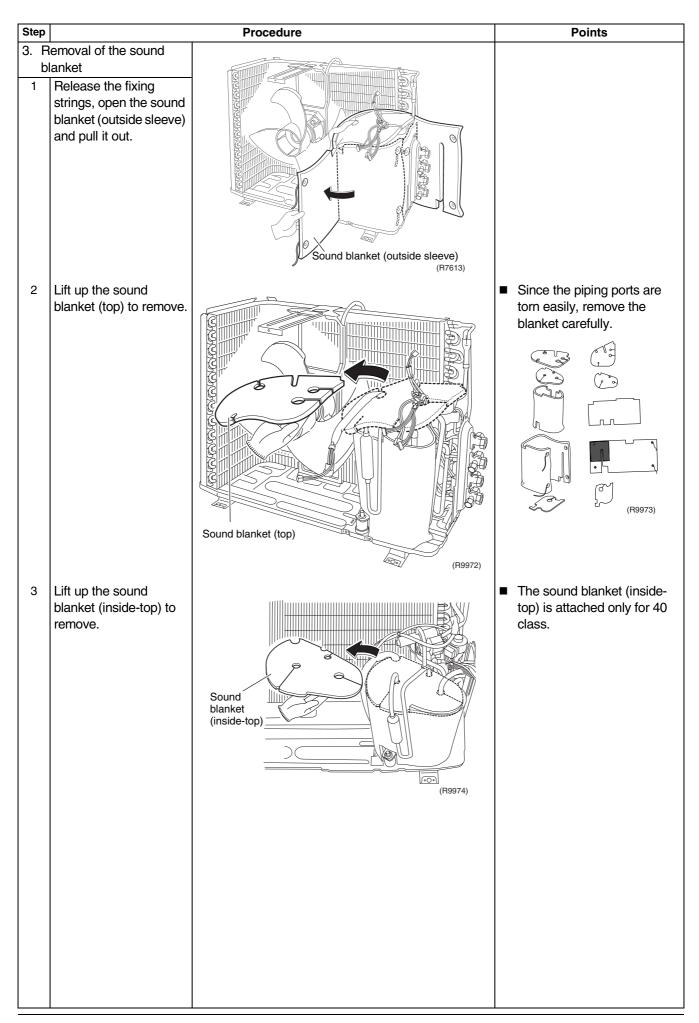
Procedure

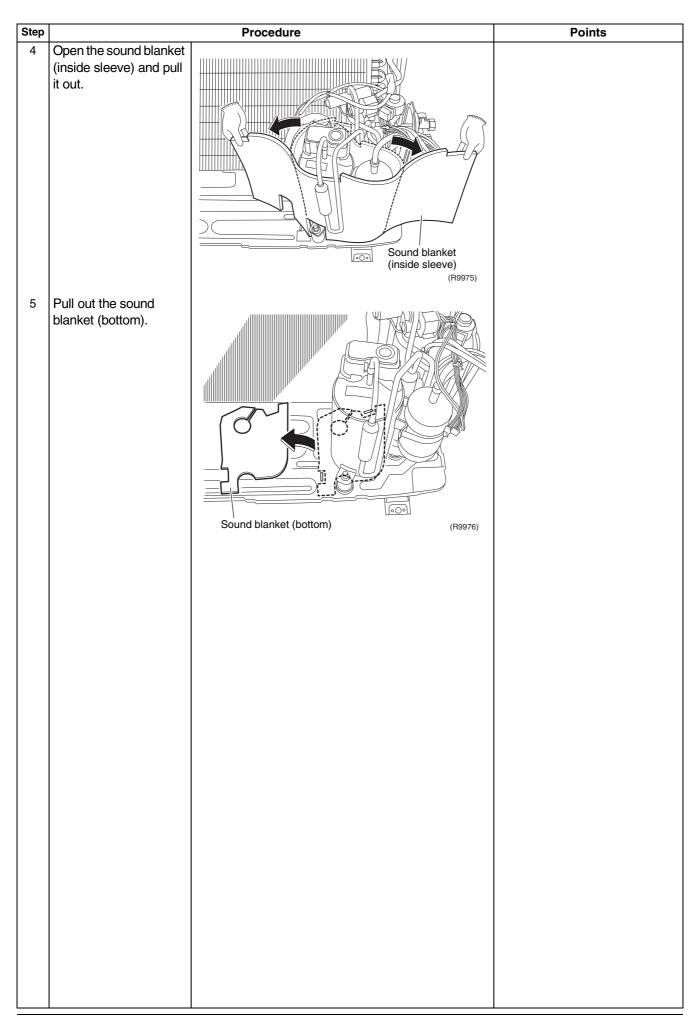
Warning

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Removal of Sound Blankets Si12-992



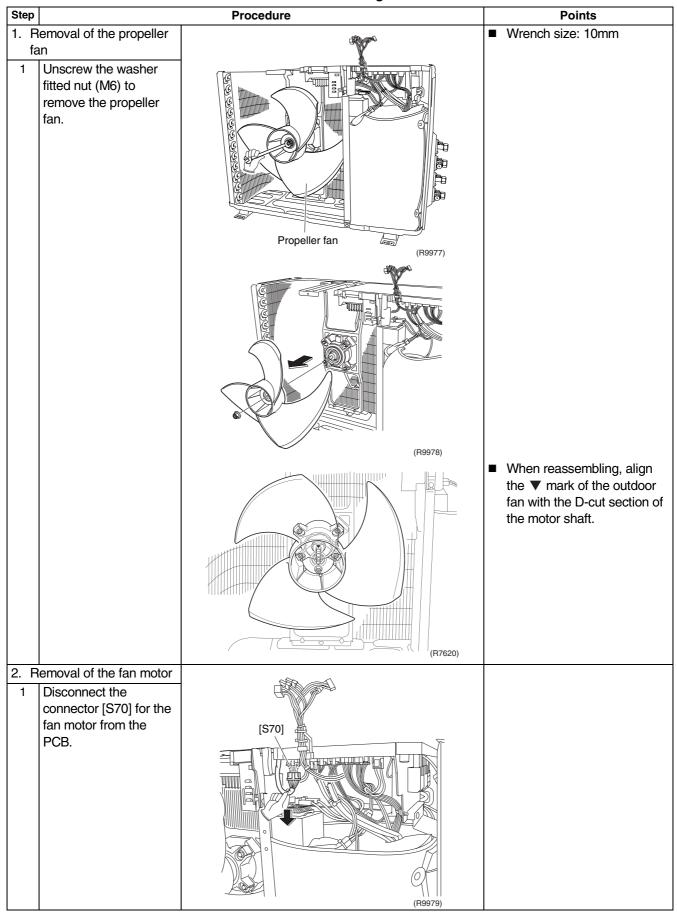


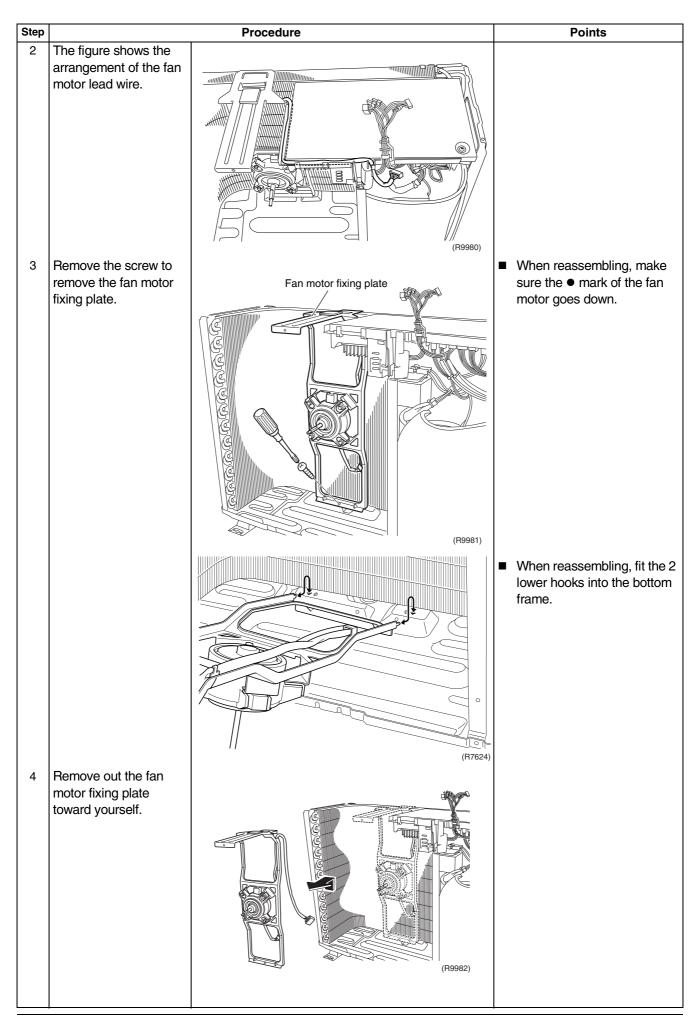
11.Removal of Propeller Fan / Fan Motor

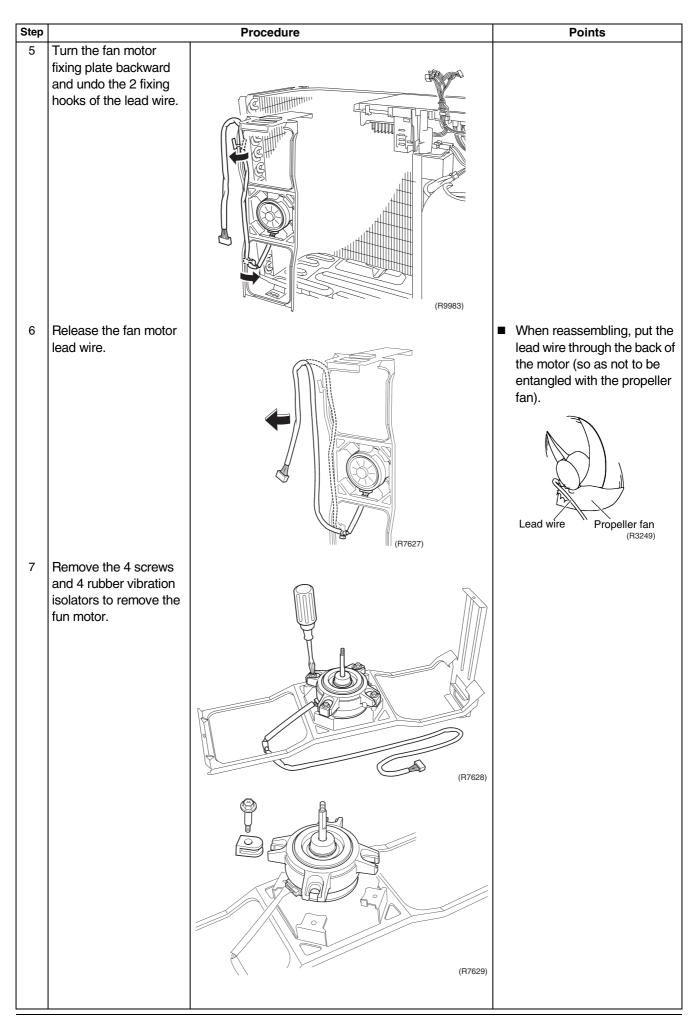
Procedure

Warning

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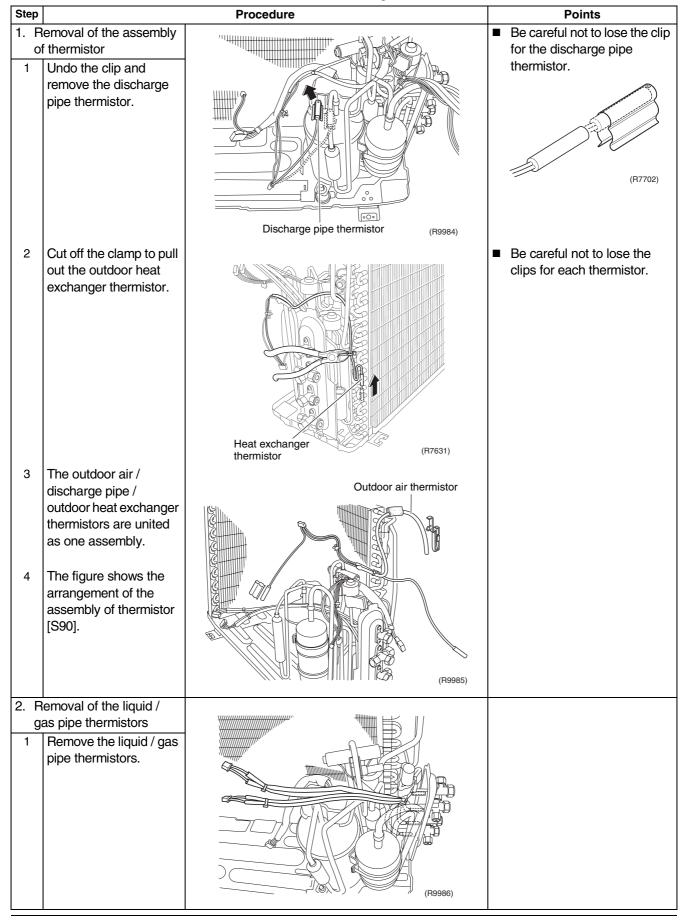
Si12-992 Removal of Thermistors

12. Removal of Thermistors

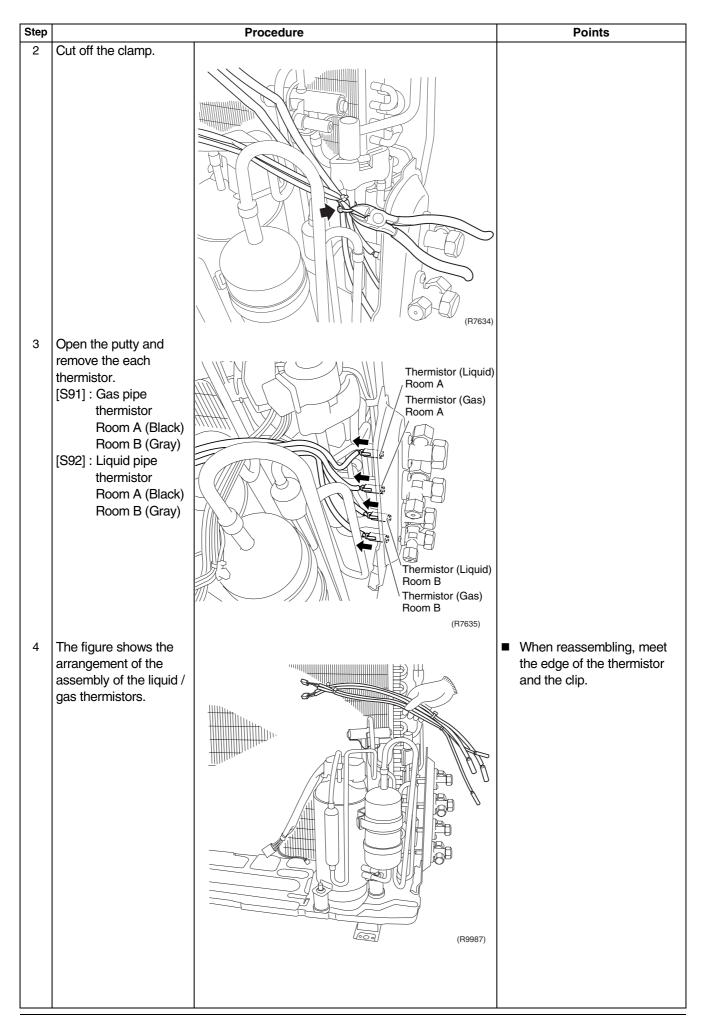
Procedure

Warning

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Removal of Thermistors Si12-992

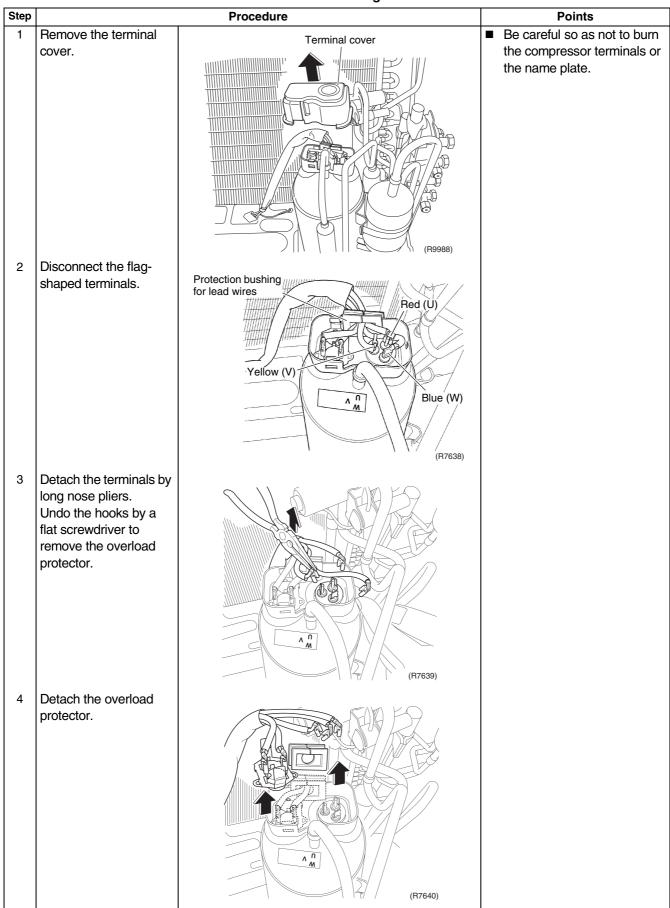


13. Removal of Compressor

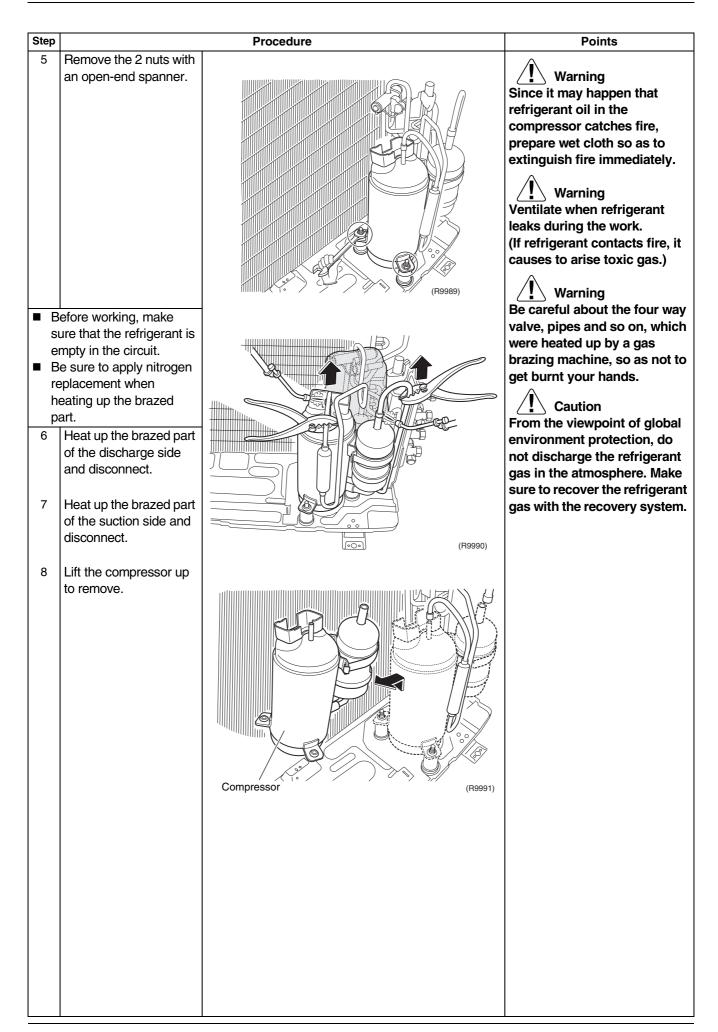
Procedure

Warning

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Removal of Compressor Si12-992

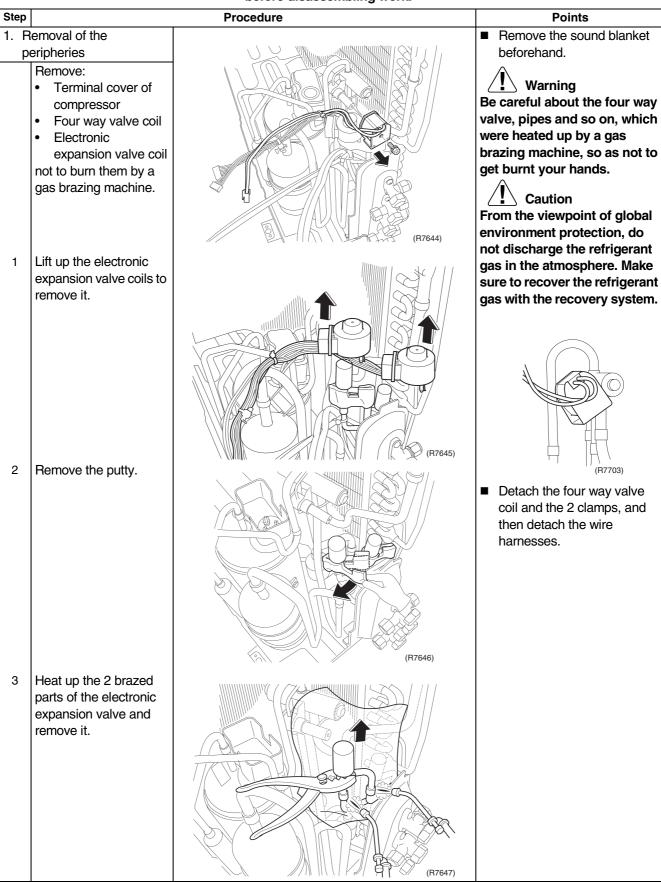


14.Removal of Four Way Valve / Electronic Expansion Valve

Procedure



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



Step Procedure Points

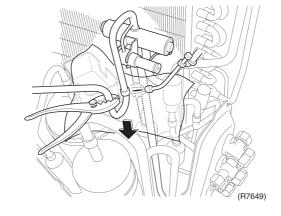
- Before working, make sure that the refrigerant is empty in the circuit.
- Be sure to apply nitrogen replacement when heating up the brazed part.
 - 4 Provide a protective sheet or a steel plate so that the brazing flame cannot influence peripheries around the four way valve.

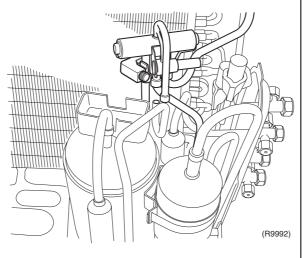
Warning
Since it may happen
that refrigerant oil in
the compressor
catches fire, prepare
wet cloth so as to
extinguish fire
immediately.

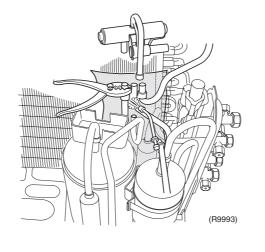
Warning
Ventilate when
refrigerant leaks
during the work.
(If refrigerant contacts
fire, it causes to arise
toxic gas.)

Warning
Be careful about the four way valve, pipes and so on, which were heated up by a gas brazing machine, so as not to get burnt your hands.

Pull out the brazed part with pliers and disconnect.







Reassembling precautions

- Use non-oxidizing brazing method. If nitrogen gas is not available, braze the parts speedily.
- Avoid deterioration of the gaskets due to carbonization of oil inside the four way valve or thermal influence.
 For this purpose, wrap the four way valve with wet cloth. Splash water over the cloth against becoming too hot (keep it below 120°C).
- In pulling the pipes, be careful not to over-tighten them with pliers. The pipes may get deformed.

In case of the difficulty with a gas brazing machine

- Disconnect the brazed part where is easy to disconnect and restore.
- Cut pipes on the main unit by a miniature copper tube cutter in order to make it easy to disconnect.

Note:

- Do not use a metal saw for cutting pipes by all means because the sawdust come into the circuit.
- The brazed parts are heated after being disconnected. To avoid a burn, make sure that the compressor is cooled down before removing.

Revision History

Month / Year	Version	Revised contents
02 / 2013	Si12-992	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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