



SERVICE MANUAL

2.5/3.5 kW Class



Inverter

Pair Type



Service Manual Removal Procedure

Outdoor Unit

●Cooling Only RKS25F2V1B RKS35F2V1B ●Heat Pump RXD25FAV2C RXD35FAV2C

RXD25FV2C RXD35FV2C

RXS25F2V1B RXS35F2V1B

RXS25FV2C RXS35FV2C

Table of Contents

1.	Removal of Outer Panels / Fan Motor	2
2.	Removal of Electrical Box	10
3.	Removal of PCB	13
4.	Removal of Reactor / Partition Plate	15
5.	Removal of Sound Blankets	16
6.	Removal of Four Way Valve	17
7.	Removal of Compressor	19



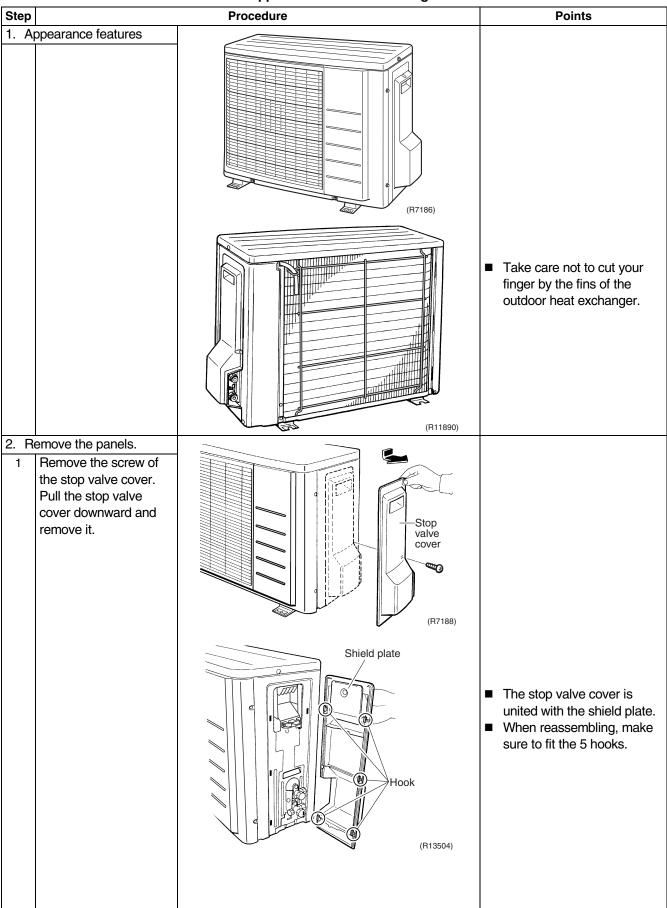
- $\bullet\,$ The illustrations may be slightly different depending on the model.
- The illustrations are for heat pump models as representative.

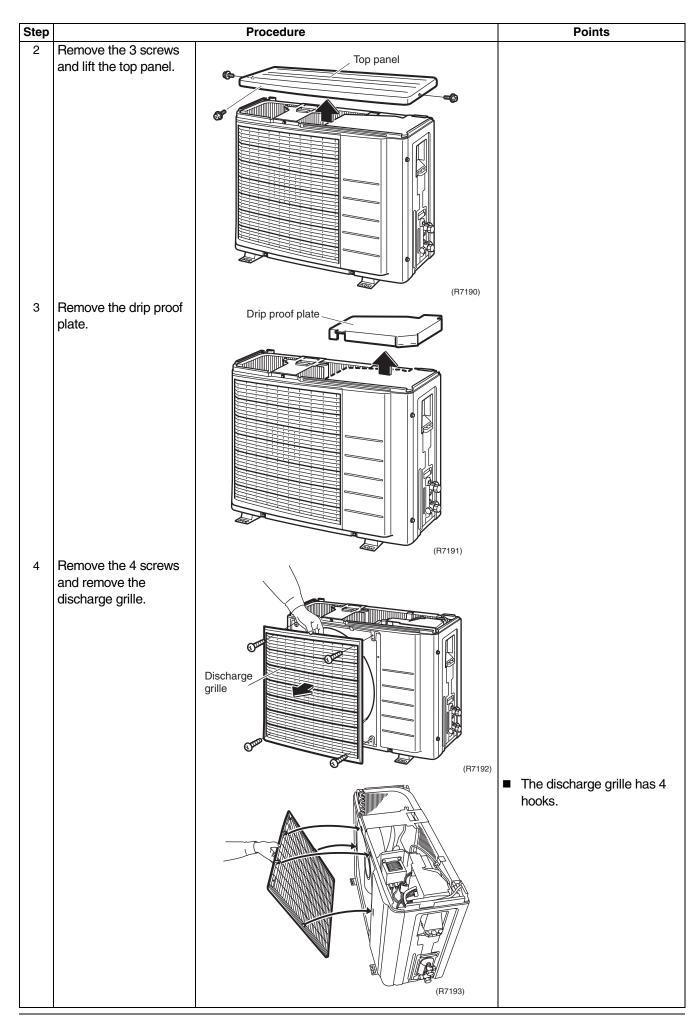
1. Removal of Outer Panels / Fan Motor

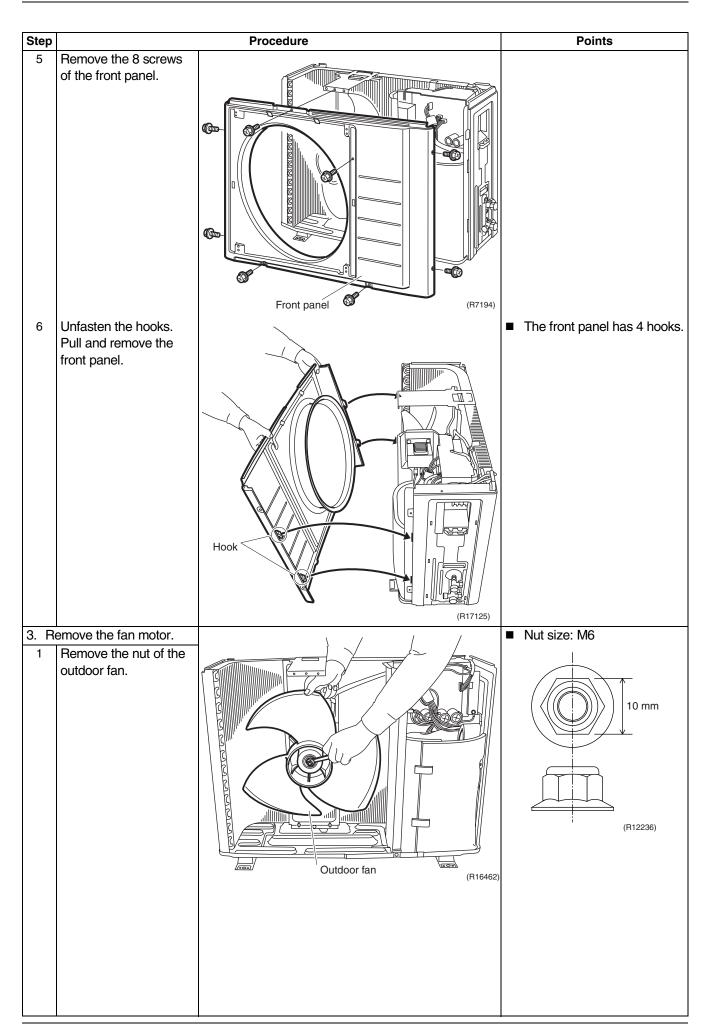
Procedure

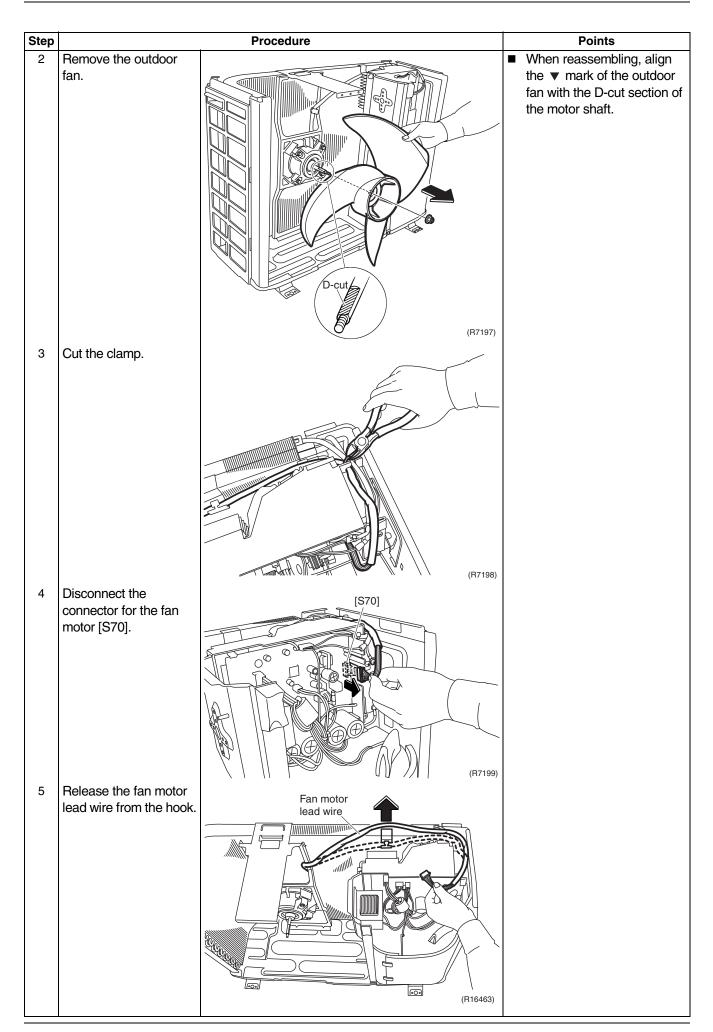
Warning

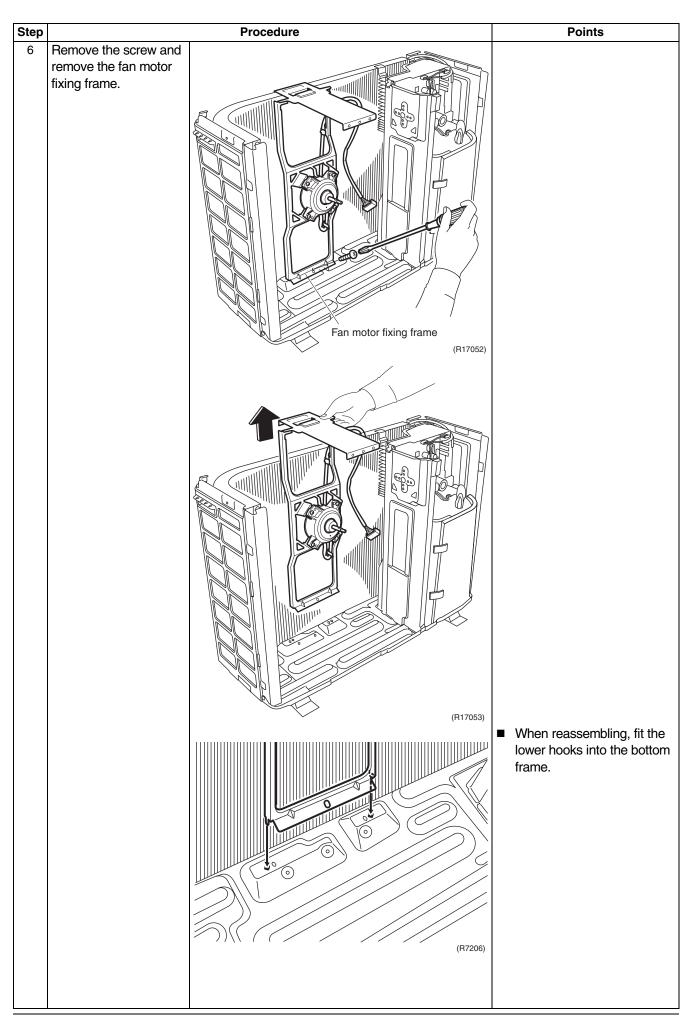
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



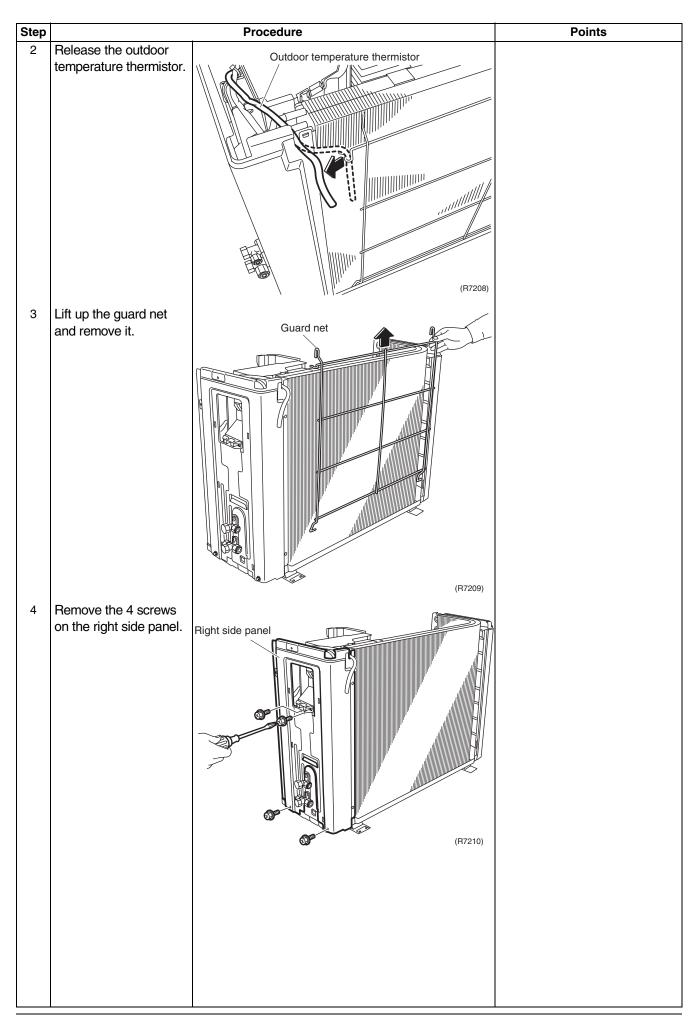


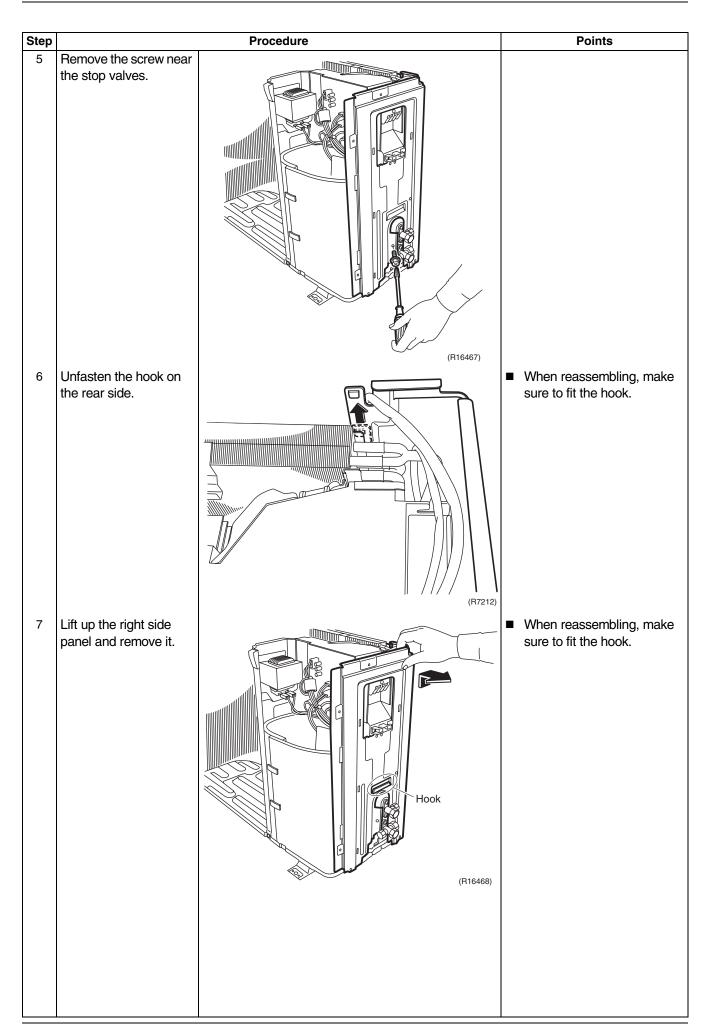






Step		Procedure	Points
7	Open the 2 hooks and release the fan motor lead wire.	(R11835)	■ When reassembling, put the fan motor lead wire through the back of the fan motor so as not to be entangled with the outdoor fan. Lead wire Outdoor fan (R3249)
8	Remove the 4 screws and remove the fan motor.	Fan motor (R17133)	
	emove the right side anel. Remove the 2 screws on the rear side.	(R7207)	





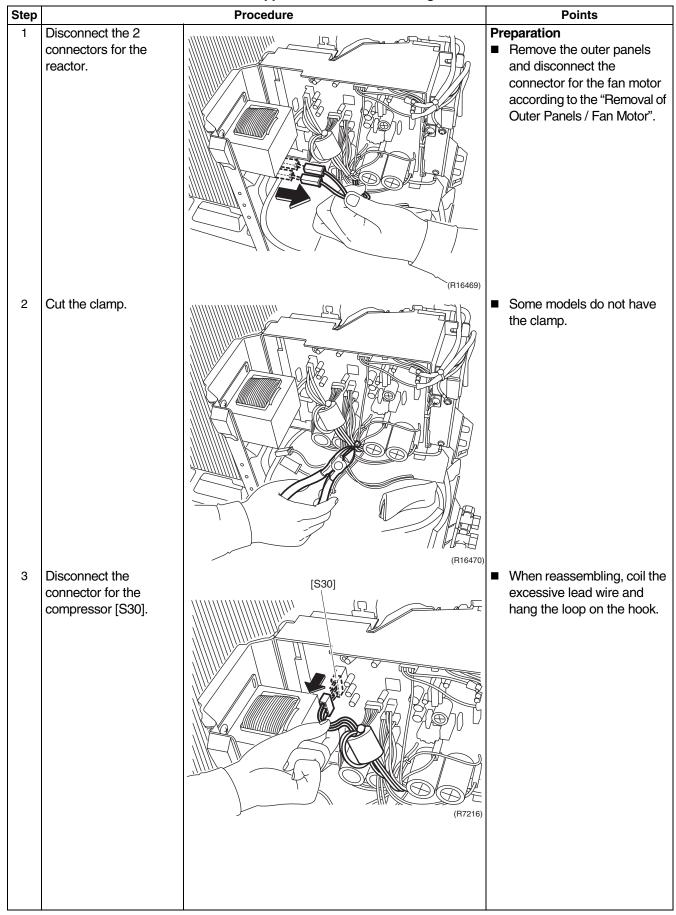
Removal of Electrical Box Si00-771

2. Removal of Electrical Box

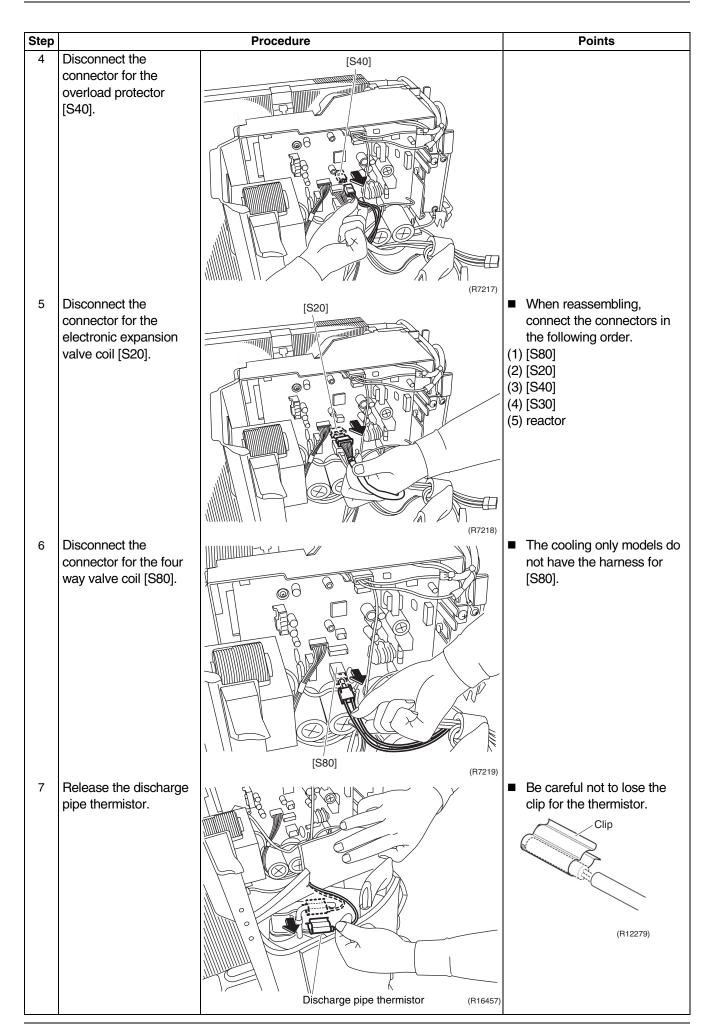
Procedure

/ Warning

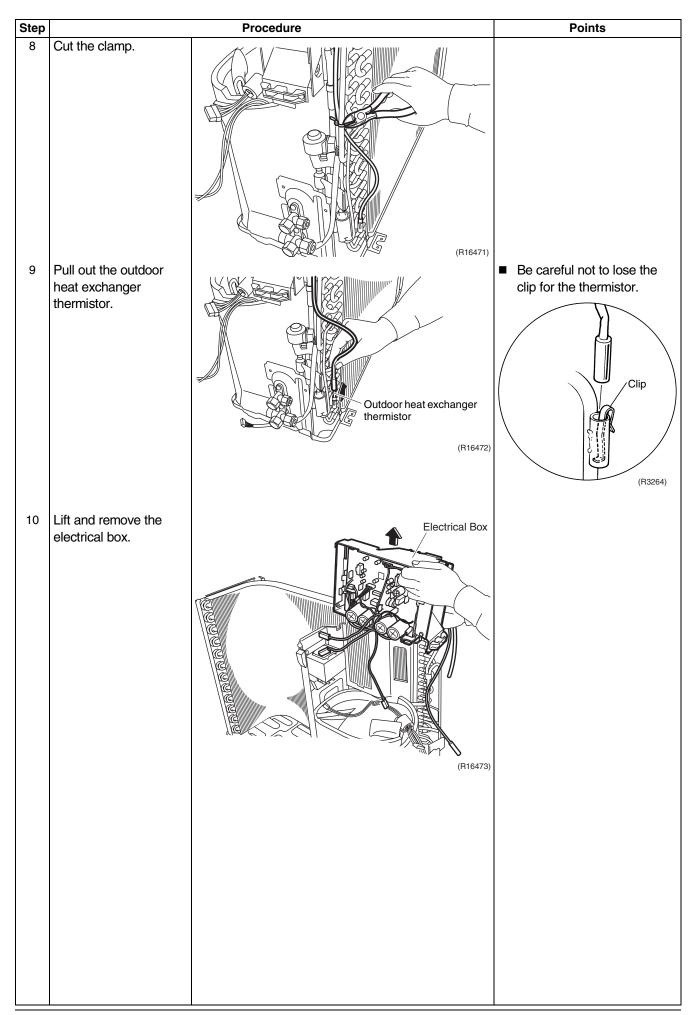
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



Si00-771 Removal of Electrical Box



Removal of Electrical Box Si00-771



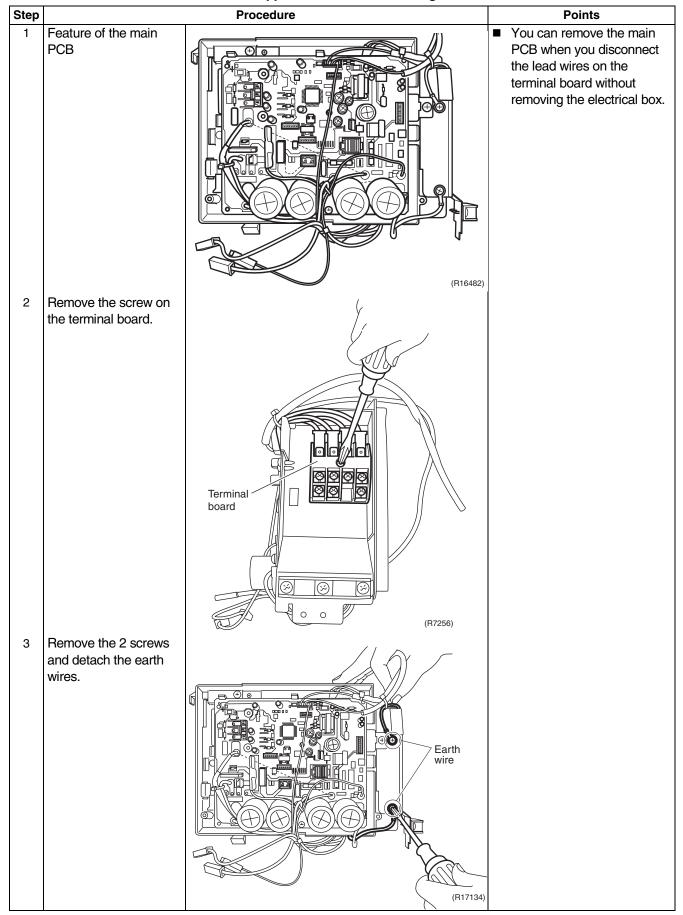
Si00-771 Removal of PCB

3. Removal of PCB

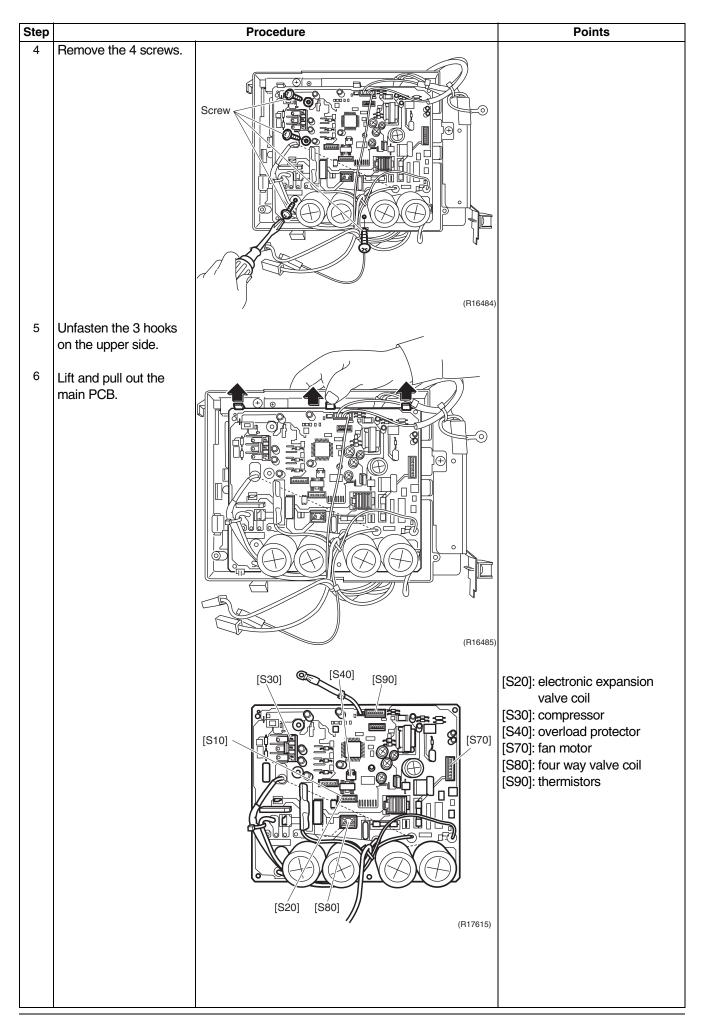
Procedure

/ Warning

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



Removal of PCB Si00-771

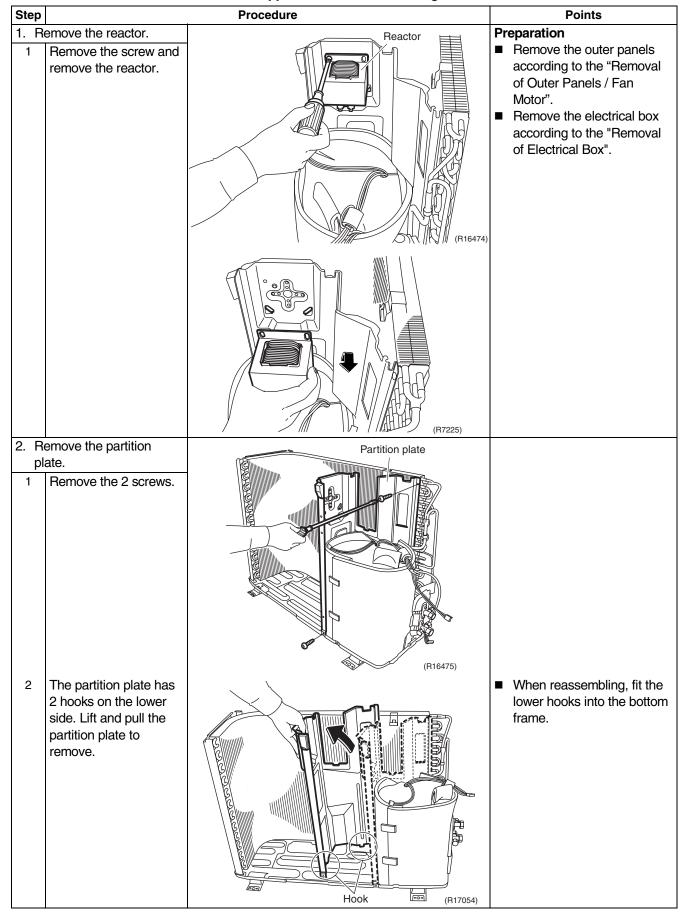


4. Removal of Reactor / Partition Plate

Procedure

Warning

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



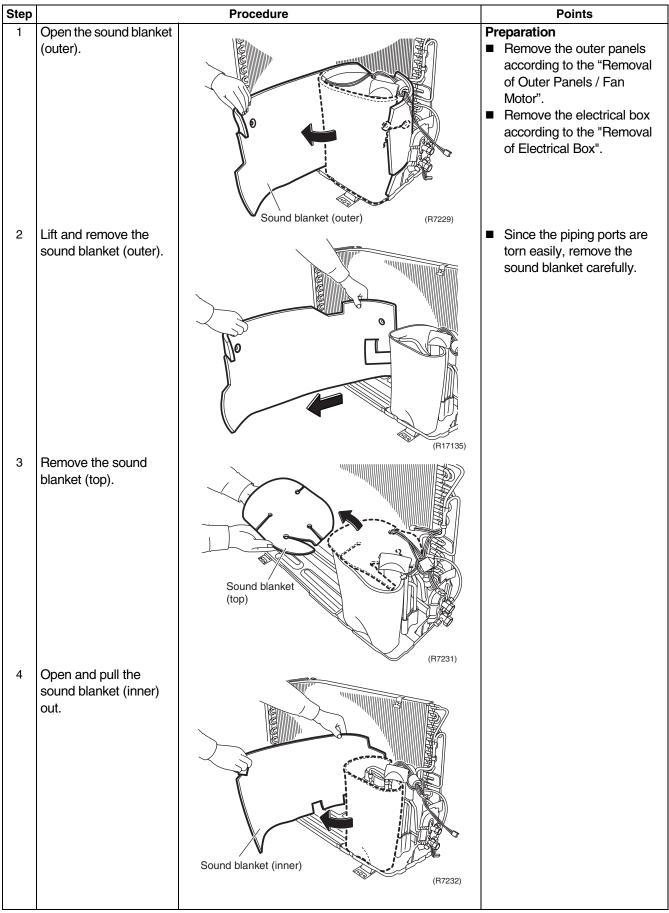
Removal of Sound Blankets Si00-771

5. Removal of Sound Blankets

Procedure

Warning

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

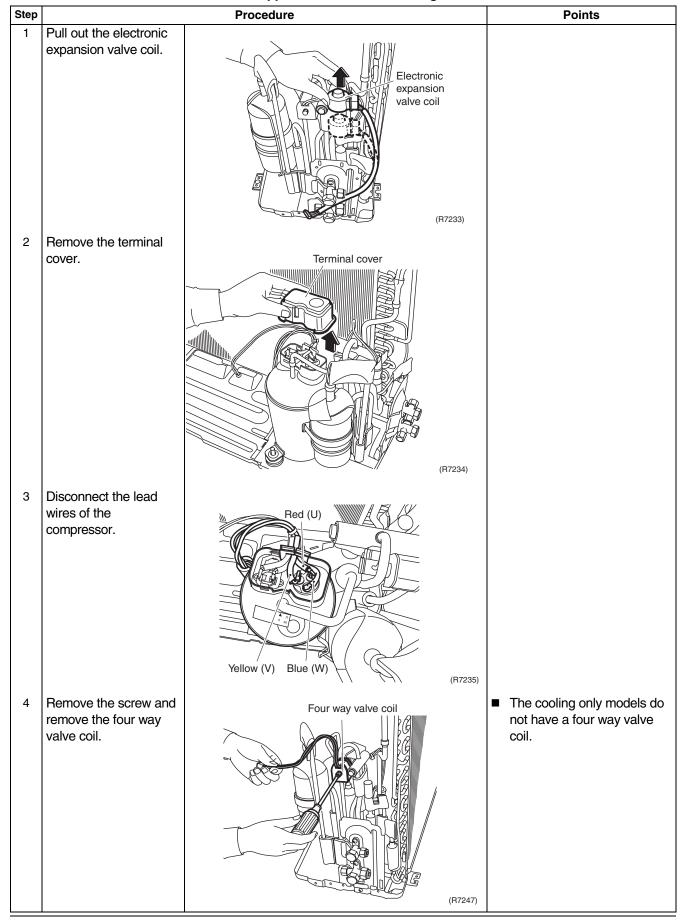


6. Removal of Four Way Valve

Procedure

Warning

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



Step Points **Procedure** Remove the sheets of Warning putty. Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine. **!** \ Warning If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.) (R7248) Caution From the viewpoint of global ■ Before working, make environment protection, do Four way valve sure that the refrigerant not discharge the refrigerant gas is empty in the circuit. gas in the atmosphere. Make ■ Be sure to apply nitrogen sure to collect all the replacement when refrigerant gas. heating up the brazed part. Cautions for restoration Heat up the brazed part 1. Restore the piping by nonand withdraw the piping oxidation brazing. with pliers. 2. It is required to prevent the carbonization of the oil inside the four way valve and the deterioration of the gaskets affected by heat. (Keep below 120°C.) For the sake of this, wrap the four way Note: valve with wet cloth and Never use a metal provide water so that the saw to cut pipes cloth does not dry. because the sawdust may enter In case of difficulty with gas the circuit. brazing machine 1. Disconnect the brazed part ■ When withdrawing where is easy to disconnect the pipes, be careful and restore. not to pinch them 2. Cut pipes on the main unit firmly with pliers. with a tube cutter in order to The pipes may get make it easy to disconnect. deformed. ■ Provide a protective sheet or a steel plate so that the brazing flame cannot influence peripheries.

Si00-771

7. Removal of Compressor

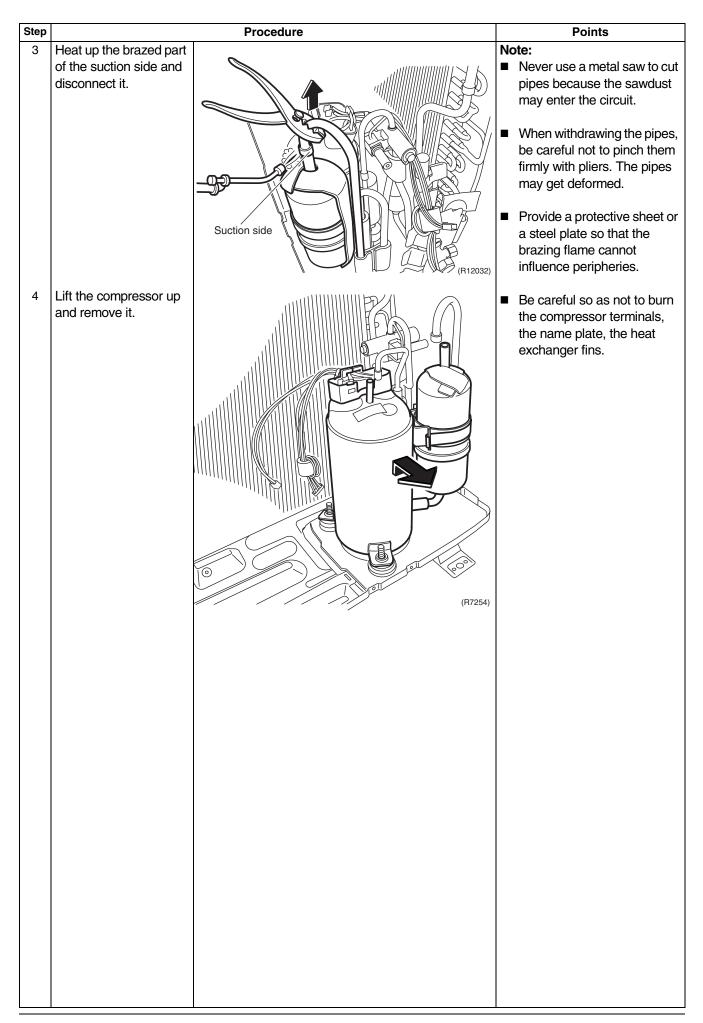
Procedure

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 nuts of the compressor.	Compressor (R11889)	Warning Be careful not to get yourself burnt with pipes and other parts that are heated by the gas brazing machine. Warning If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.) Warning Since it may happen that the refrigerant oil in the compressor catches fire, prepare wet cloth so as to
 Before working, make sure that the refrigerant gas is empty in the circuit. Be sure to apply nitrogen replacement when heating up the brazed part. Heat up the brazed part of the discharge side and disconnect it. 	Discharge side (R12031)	Caution From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas. Cautions for restoration 1. Restore the piping by nonoxidation brazing. 2. It is required to prevent the carbonization of the oil inside the four way valve and the deterioration of the gaskets affected by heat. (Keep below 120°C.) For the sake of this, wrap the four way valve with wet cloth and provide water so that the cloth does not dry. In case of difficulty with gas brazing machine 1. Disconnect the brazed part where is easy to disconnect and restore. 2. Cut pipes on the main unit with a tube cutter in order to make it easy to disconnect.

Removal of Compressor Si00-771



Revision History

Month / Year	Version	Revised contents
07 / 2013	Si00-771	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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