



2.0/2.5/3.5 kW Class





Inverter



Pair Type



Service Manual Removal Procedure

Outdoor Unit

●Cooling Only RKM20PVMA RKM25PVMA RKM35PVMA

●Heat Pump RXJ25PVMA RXJ35PVMA

RXM20PVMA RXM25PVMA RXM35PVMA

Table of Contents

1.	Outer Panels	2
2.	Outdoor Fan / Fan Motor	4
3.	Electrical Box	6
4.	PCBs	g
5.	Thermistor ASSY	15
6.	Reactor / Partition Plate	16
7.	Sound Blankets	17
8.	Four Way Valve	18
9.	Compressor	20
	he illustrations may be slightly different depending on the model.	



- The illustrations are for heat pump models as representative.

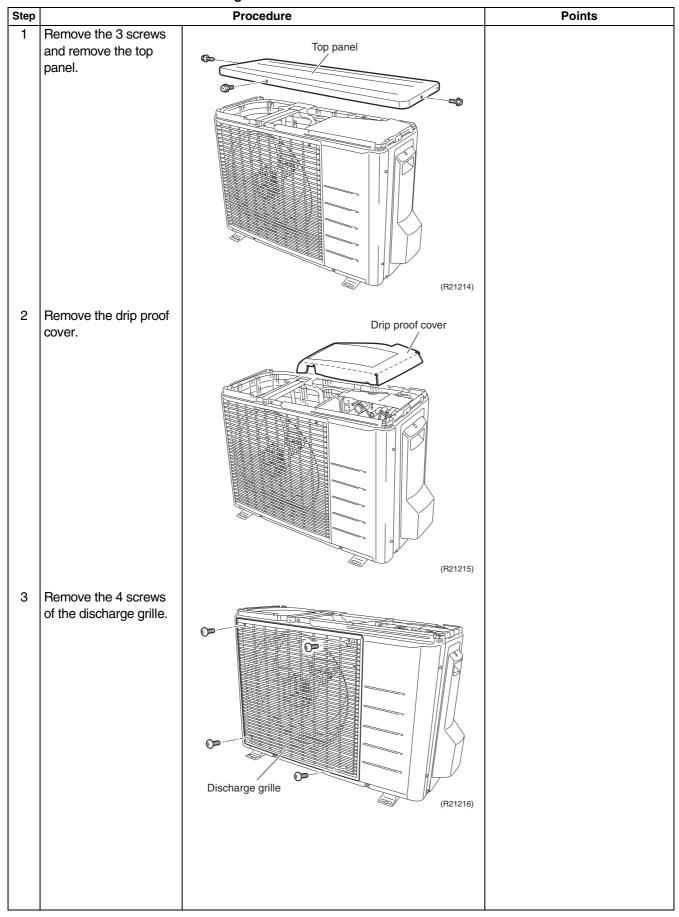
Outer Panels Si001420E

1. Outer Panels

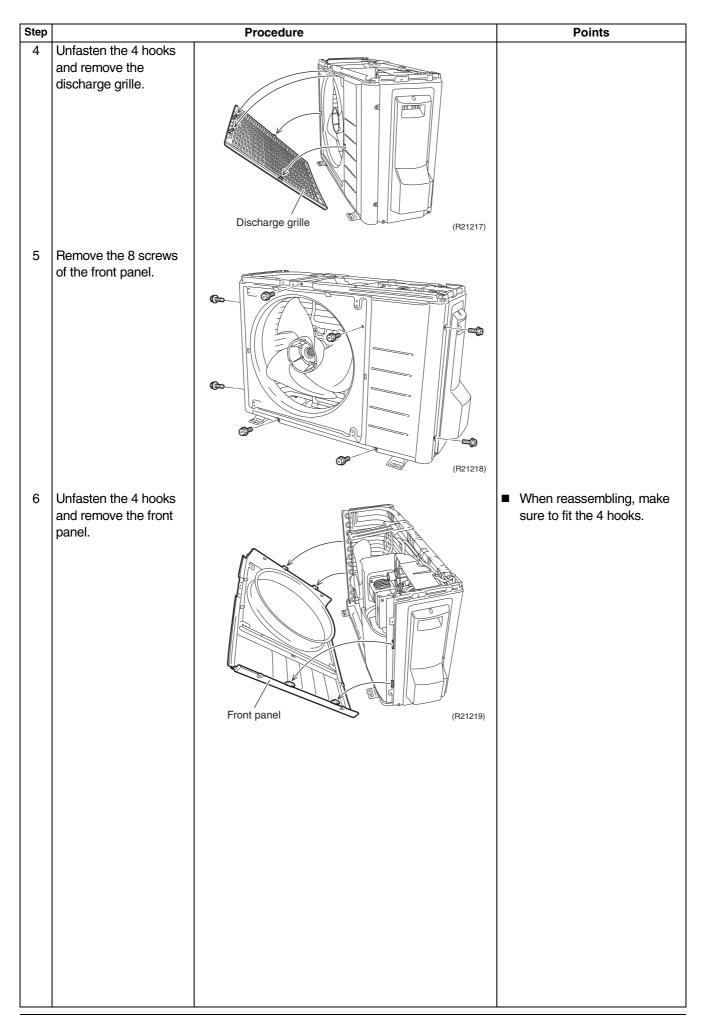


Warning

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



Si001420E Outer Panels



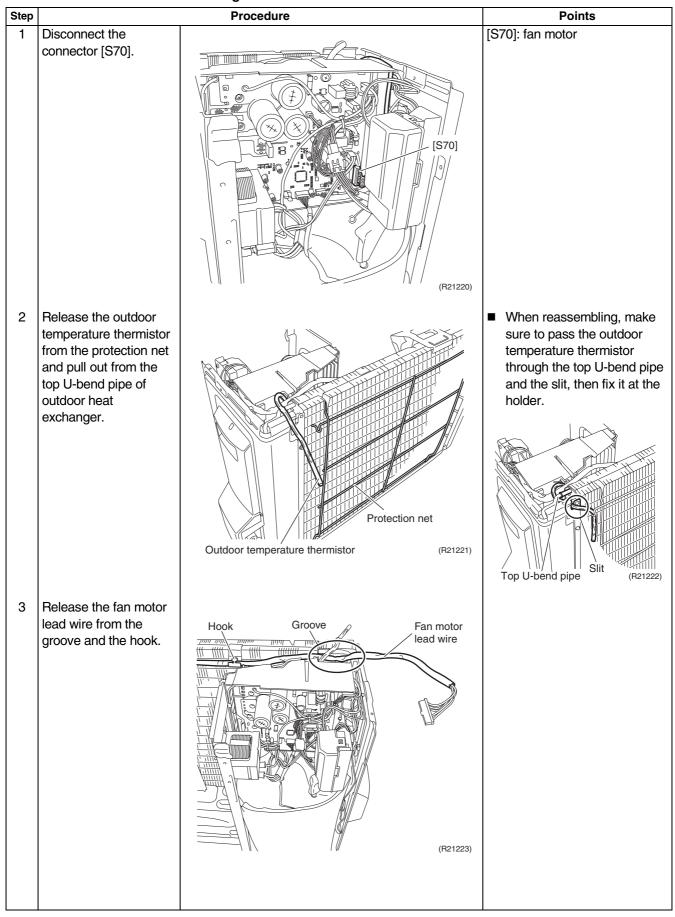
Outdoor Fan / Fan Motor Si001420E

2. Outdoor Fan / Fan Motor

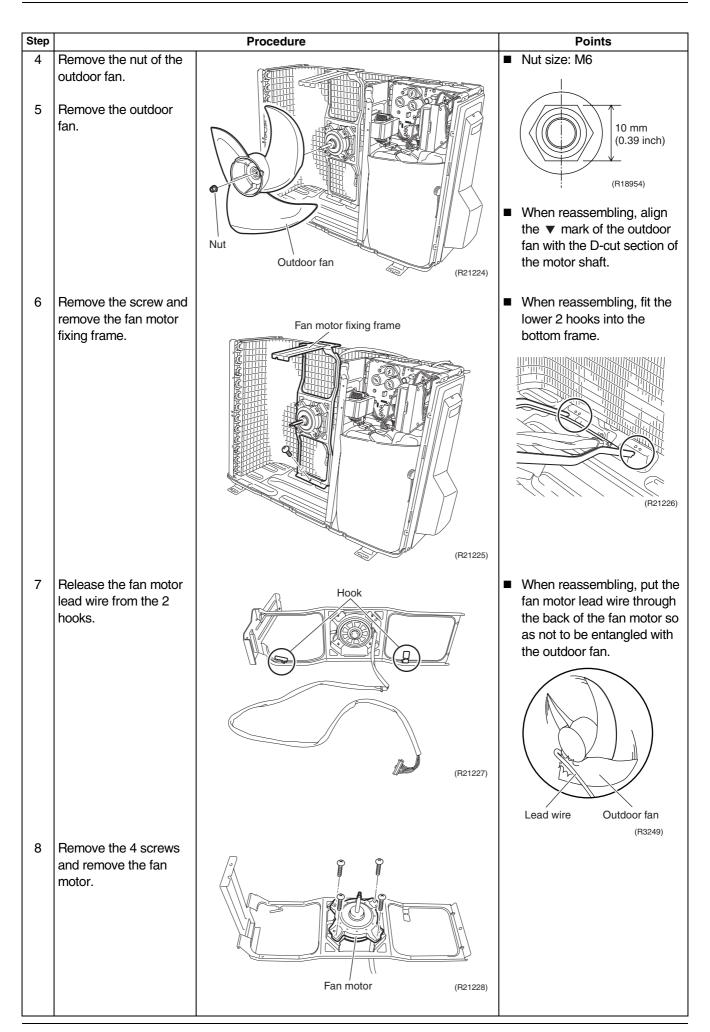


Warning

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



Si001420E Outdoor Fan / Fan Motor



Electrical Box Si001420E

3. Electrical Box



Warning

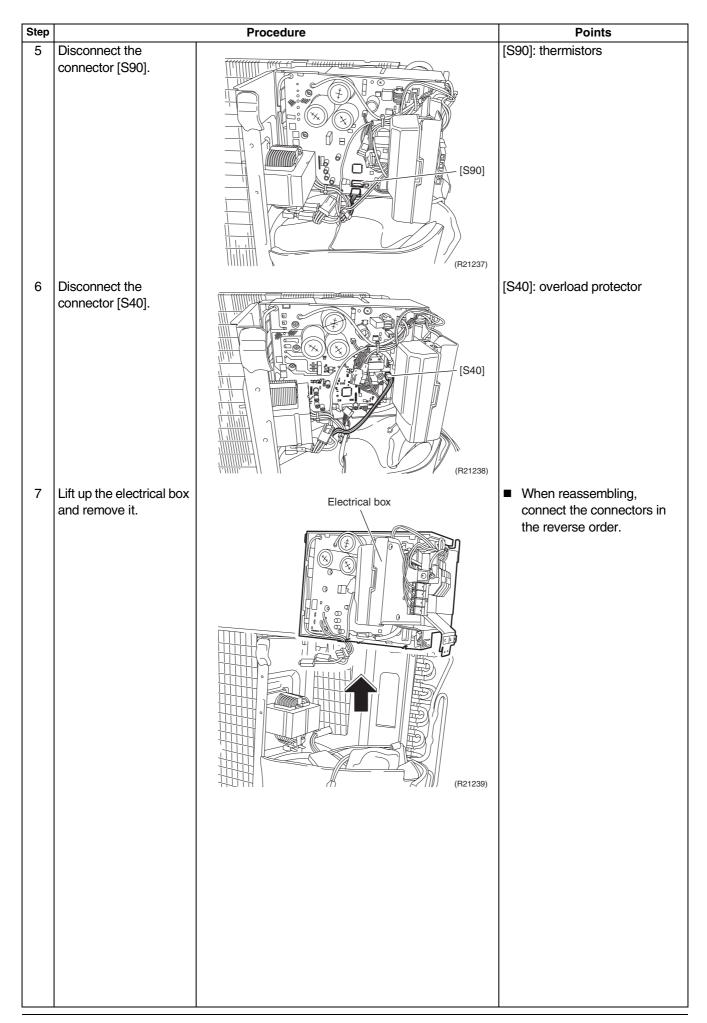
• Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

Step Procedure **Points** 1. Remove the right side When reassembling, make panel. sure to fit the 5 hooks. Remove the screw. Slide the stop valve cover downward and remove it. Stop valve cover (R21229) 3 Remove the 3 screws ■ When reassembling, fasten and remove the wire the demand communication Terminal fixture. wire with the clamp to the board wire fixture. Demand Remove the 7 screws communication Wire fixture on the terminal board wire and detach the connecting wire and the power supply wire. 5 Remove the 4 screws Power supply Connecting wire and detach the demand (R21256) communication wire. (R21231) Remove the 7 screws Right side panel and remove the right side panel. (R21232)

Si001420E Electrical Box

Step Procedure Points 2. Remove the electrical ■ The cooling only models have no harness for four way box. valve coil. Disconnect the relay connector for four way valve coil. (R21233) 2 Disconnect the relay ■ The cooling only models connector for electronic have no relay connector for expansion valve coil. electronic expansion valve coil, disconnect the connector [S20] instead. (R21234) Disconnect the connectors for the reactor. Connector for the reactor (R21235) Disconnect the relay connector for compressor.

Electrical Box Si001420E



Si001420E **PCBs**

4. PCBs

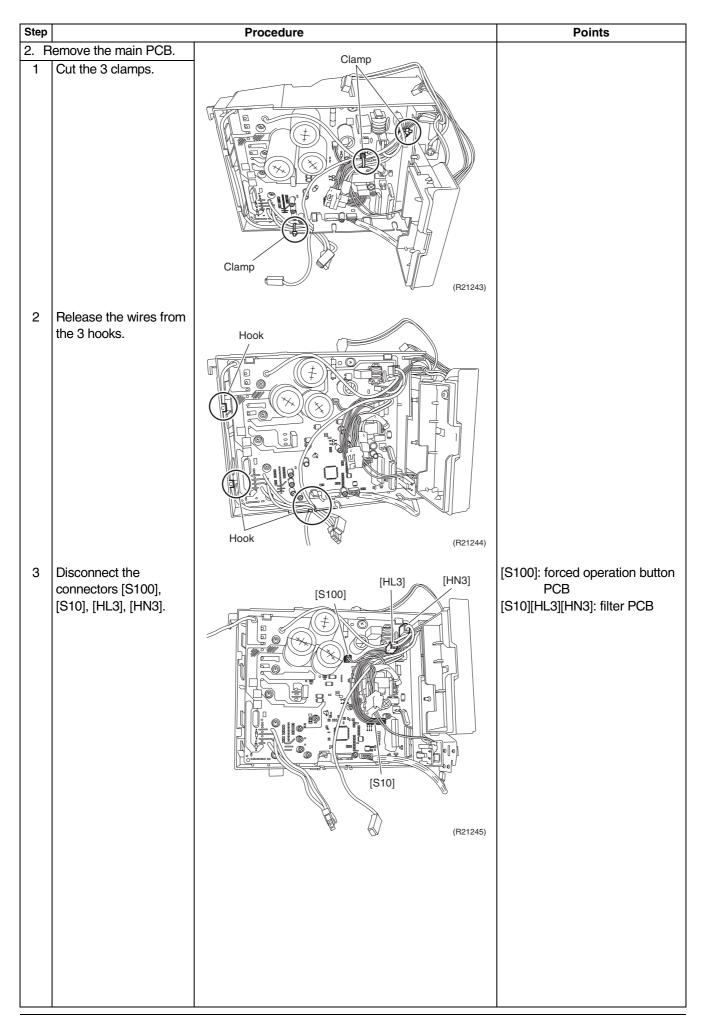


Warning

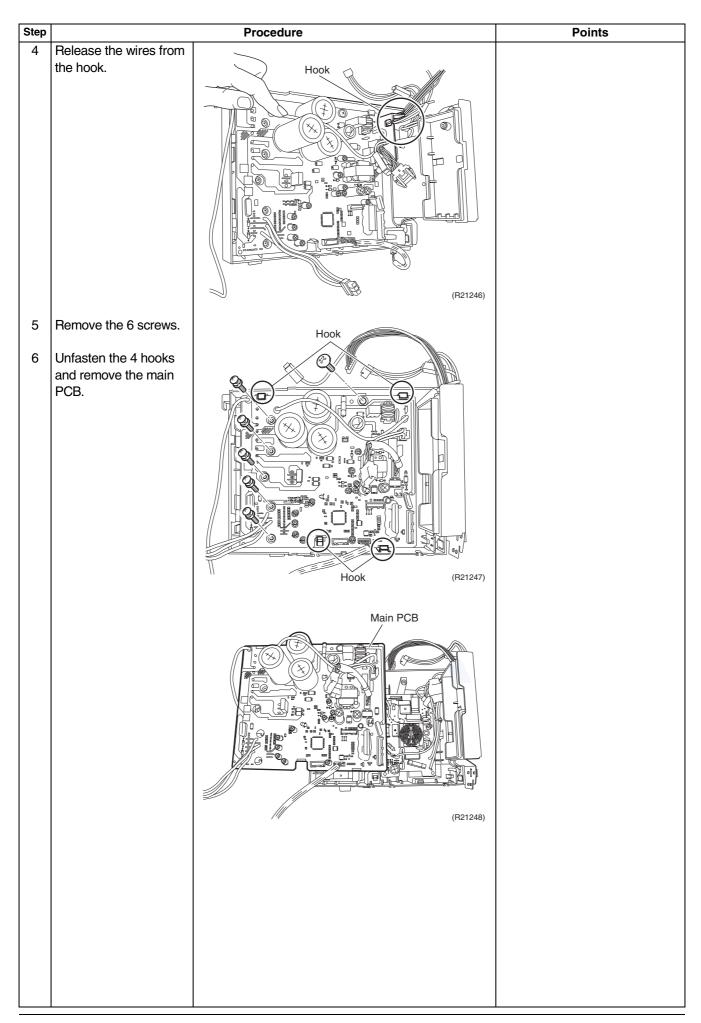
• Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work

	disassembling work.					
Step		Procedure	Points			
	Remove the demand control PCB. Unfasten the 2 hooks of the cover for the demand controller and remove it.	Hook Cover for demand controller Hook (R21240)	■ The demand controller is an optional accessory for cooling only models.			
2	Disconnect the connectors [S201], [S203], [S206].	[S201] [S206] [S203]	■ The demand controller as an optional accessory has [S204] and [S205] instead of [S206]. [S201]: terminal board [S203]: main PCB [S206] or [S204][S205]: smart meter			
3	Remove the screw and remove the demand control PCB.	Demand control PCB	■ When reassembling, make sure to fit the hook on the bottom of the demand control PCB.			

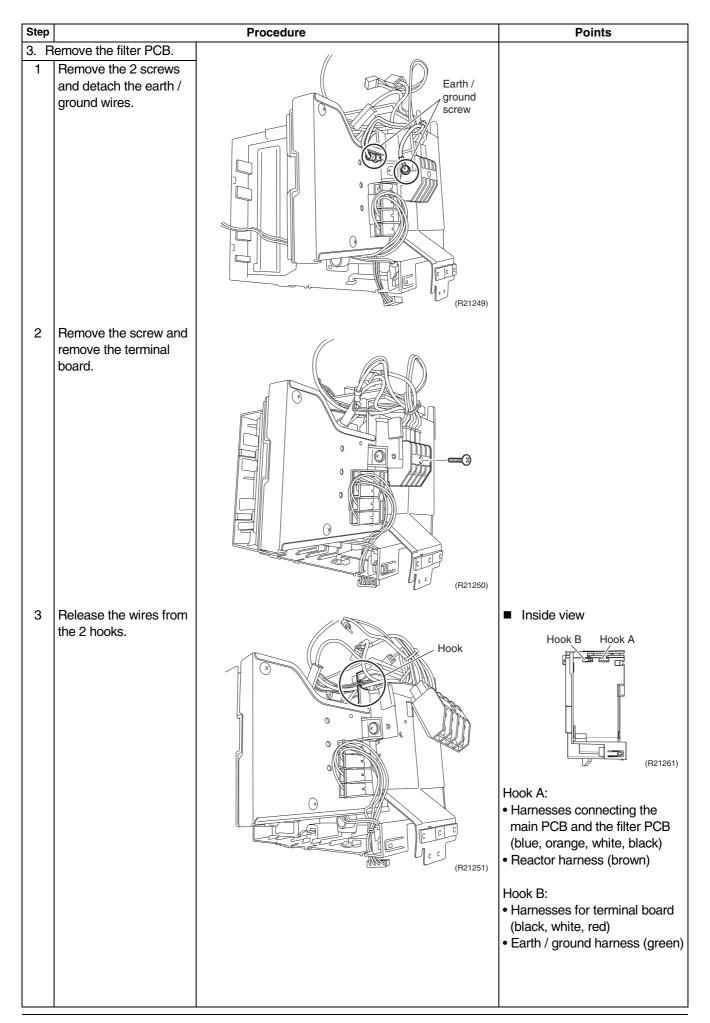
PCBs Si001420E



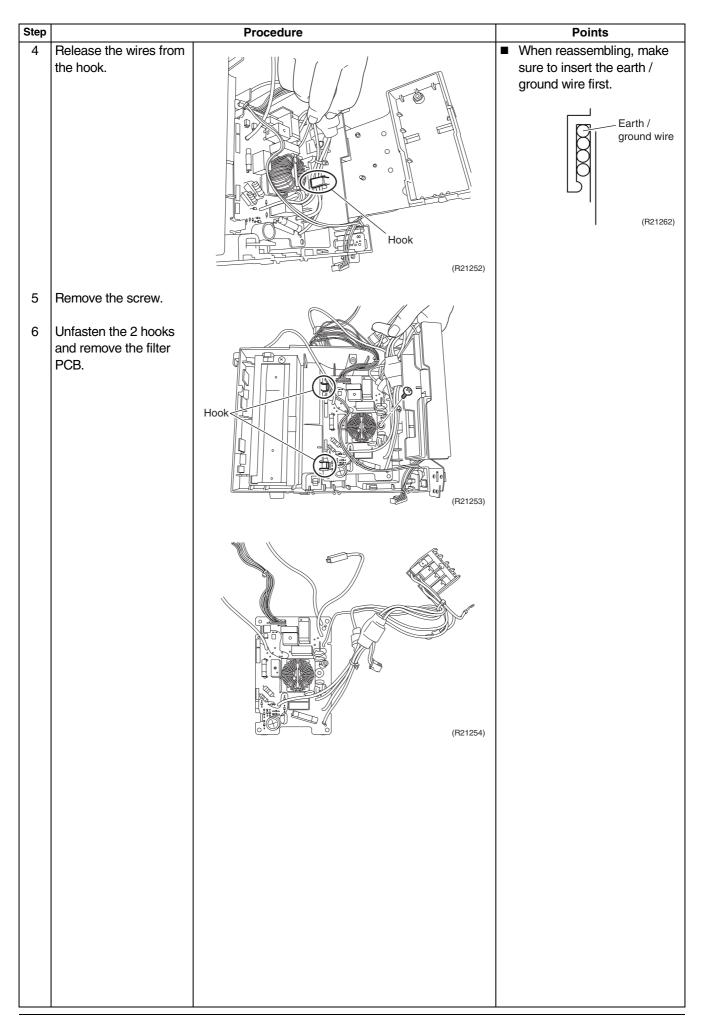
Si001420E PCBs



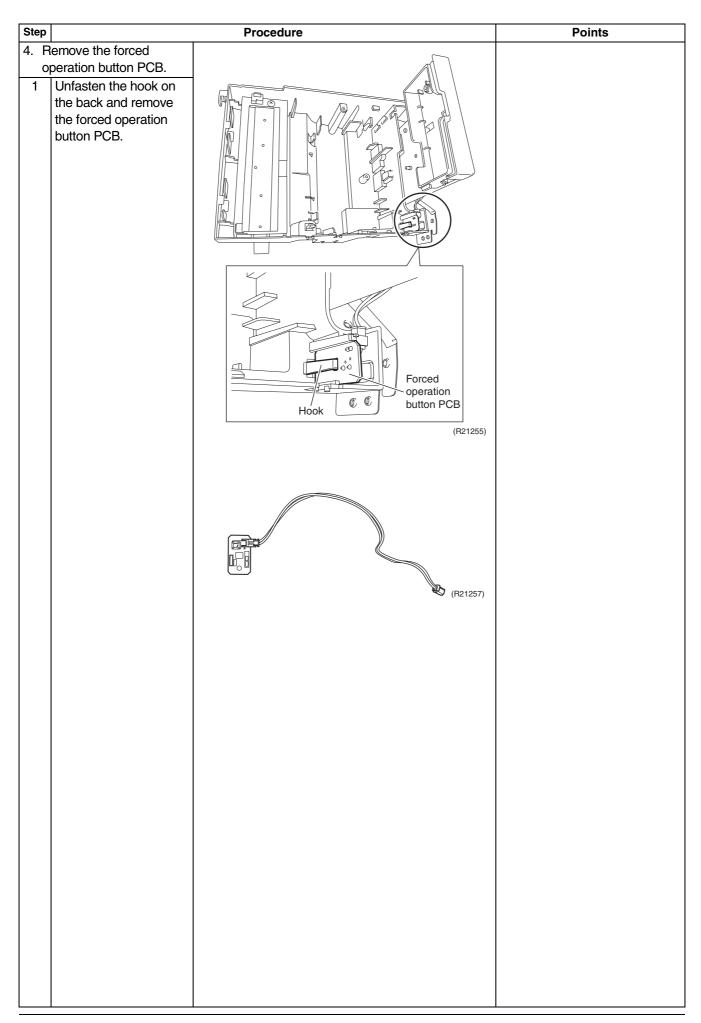
PCBs Si001420E



Si001420E PCBs



PCBs Si001420E



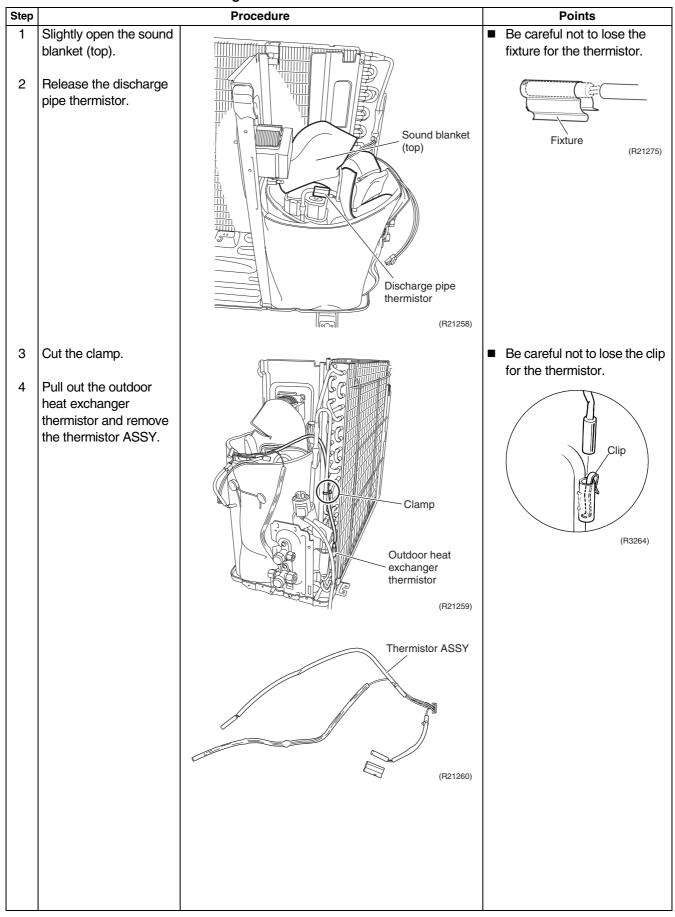
Si001420E Thermistor ASSY

5. Thermistor ASSY



Warning

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



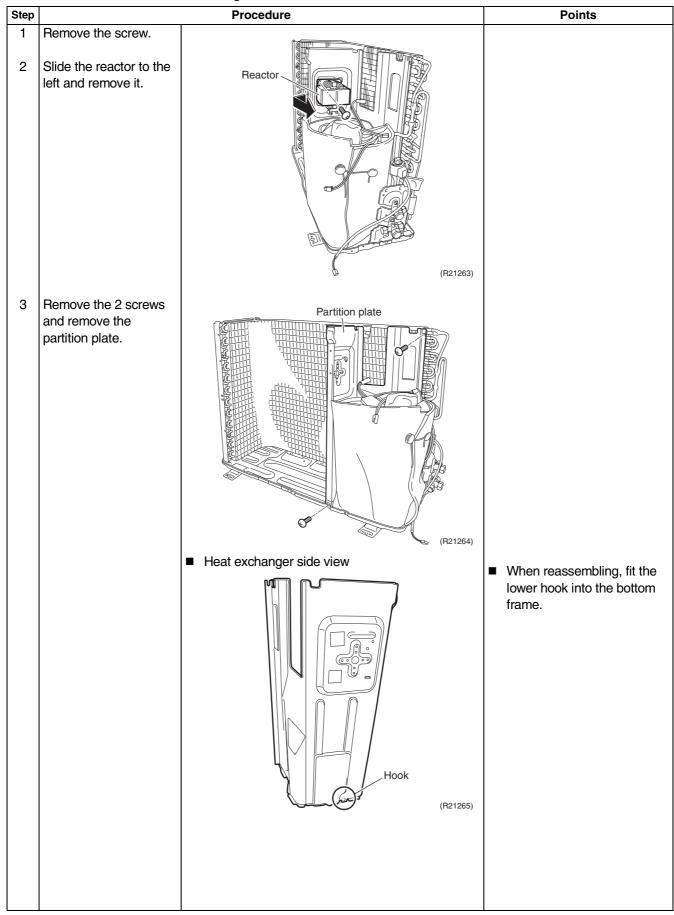
Reactor / Partition Plate Si001420E

6. Reactor / Partition Plate



Warning

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



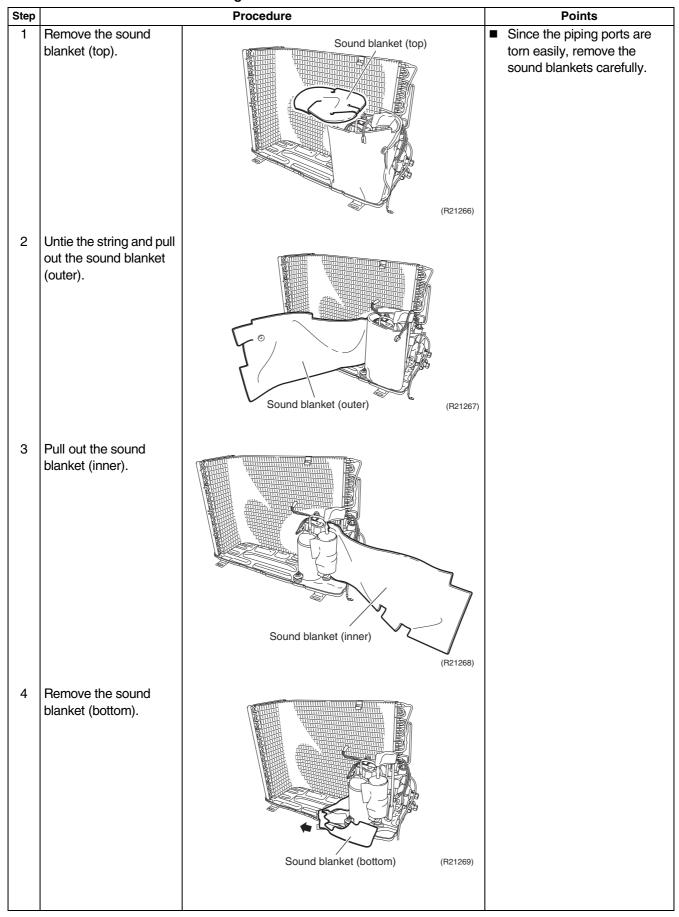
Si001420E Sound Blankets

7. Sound Blankets



Warning

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



Four Way Valve Si001420E

8. Four Way Valve



Warning

- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
- If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.)

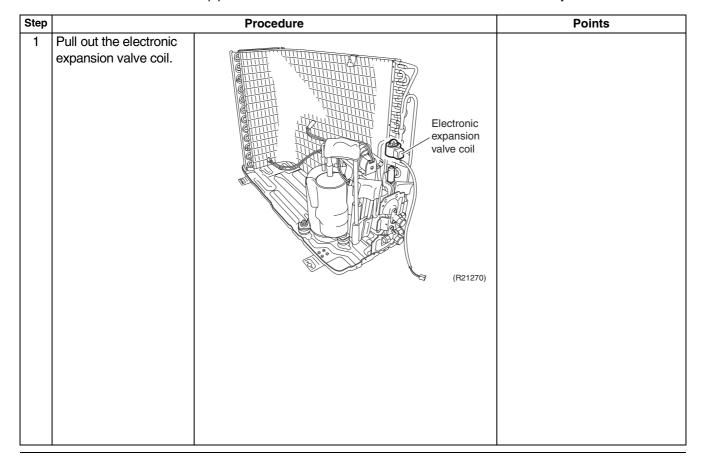


Caution

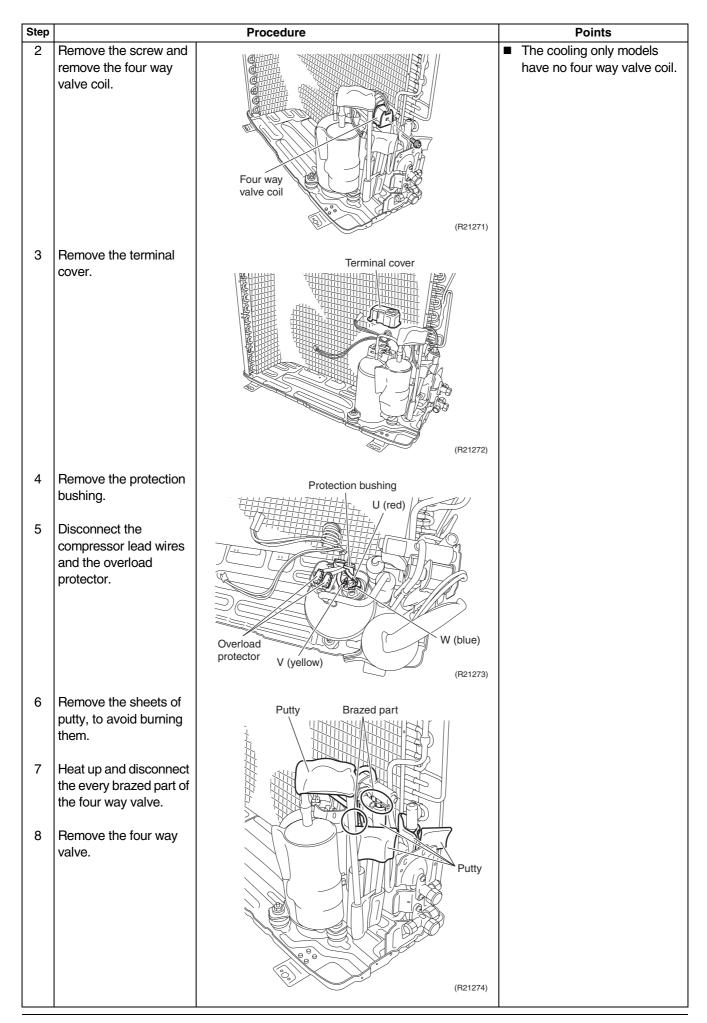
- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- · Cautions for restoration
 - 1. Restore the piping by non-oxidation brazing.
 - It is required to prevent the carbonization of the oil inside the four way valve and the
 deterioration of the gaskets affected by heat. (Keep below 120°C (248°F).) For the sake of
 this, wrap the four way valve with wet cloth and provide water so that the cloth does not
 dry.



- 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.
- Do not use a metal saw for cutting pipes by all means because the sawdust comes into the circuit.
- When withdrawing the pipes, be careful not to pinch them firmly with pliers. The pipes may get deformed.
- Provide a protective sheet or a steel plate so that the brazing flame cannot influence peripheries.
- Be careful so as not to burn the compressor terminals, the name plate, the outdoor heat exchanger fin.
- 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.



Si001420E Four Way Valve



Compressor Si001420E

9. Compressor



Warning

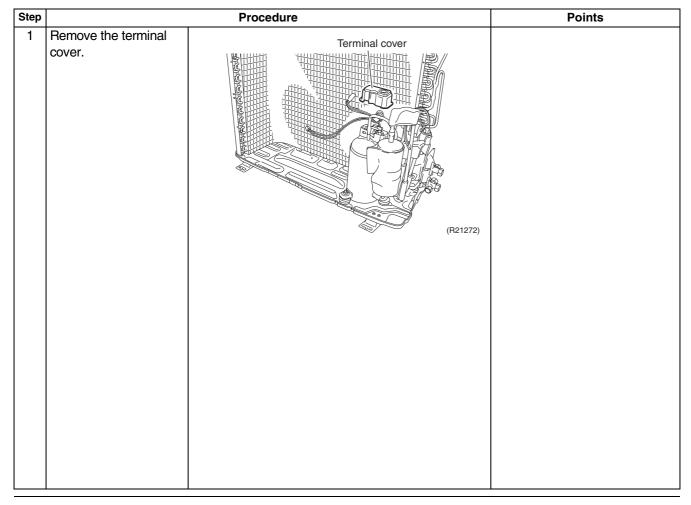
- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
- If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.)
- Since it may happen that the refrigerant oil in the compressor catches fire, prepare wet cloth so as to extinguish fire immediately.



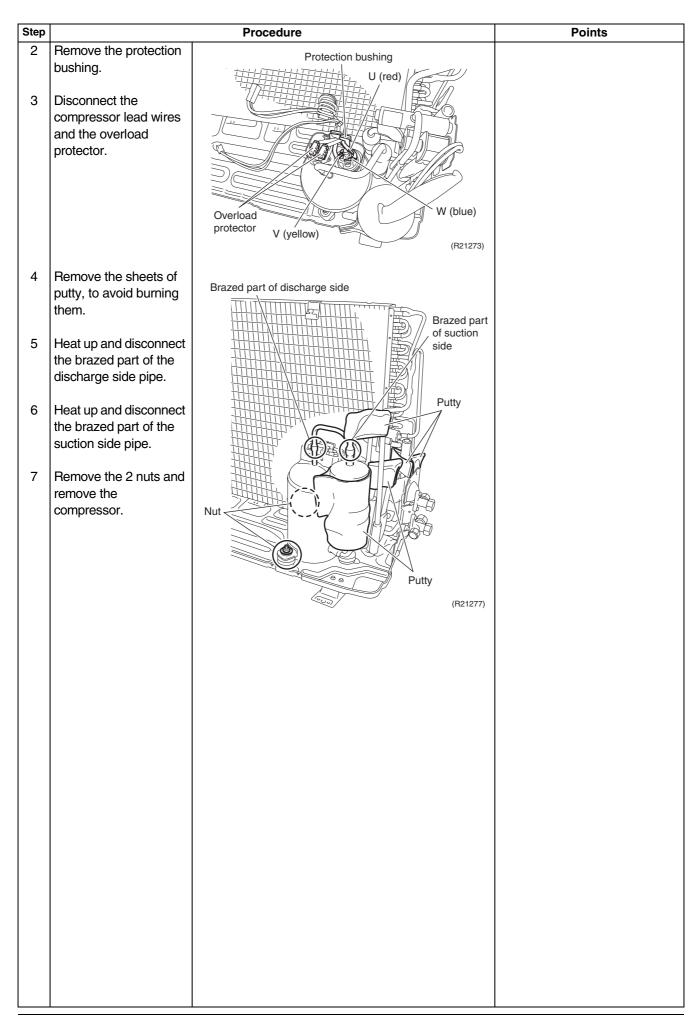
- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- Restore the piping by non-oxidation brazing.



- 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.
- Do not use a metal saw for cutting pipes by all means because the sawdust comes into the circuit.
- When withdrawing the pipes, be careful not to pinch them firmly with pliers. The pipes may get deformed.
- Provide a protective sheet or a steel plate so that the brazing flame cannot influence peripheries.
- Be careful so as not to burn the compressor terminals, the name plate, the outdoor heat exchanger fin.
- · 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.



Si001420E Compressor



Revision History

Month / Year	Version	Revised contents
03 / 2015	Si001420E	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

DAIKIN INDUSTRIES, LTD.

Head Office:

Umeda Center Bldg., 2-4-12, Nakazaki-Nishi, Kita-ku, Osaka, 530-8323 Japan

Tokyo Office:

JR Shinagawa East Bldg., 2-18-1, Konan, Minato-ku, Tokyo, 108-0075 Japan

http://www.daikin.com/products/ac/

© All rights reserved