

Si001418E

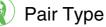


9000/12000 Btu/h Class



Outdoor Unit







Service Manual Removal Procedure

Outdoor Unit

Heat Pump
 RX09N5VL
 RX12N5VL

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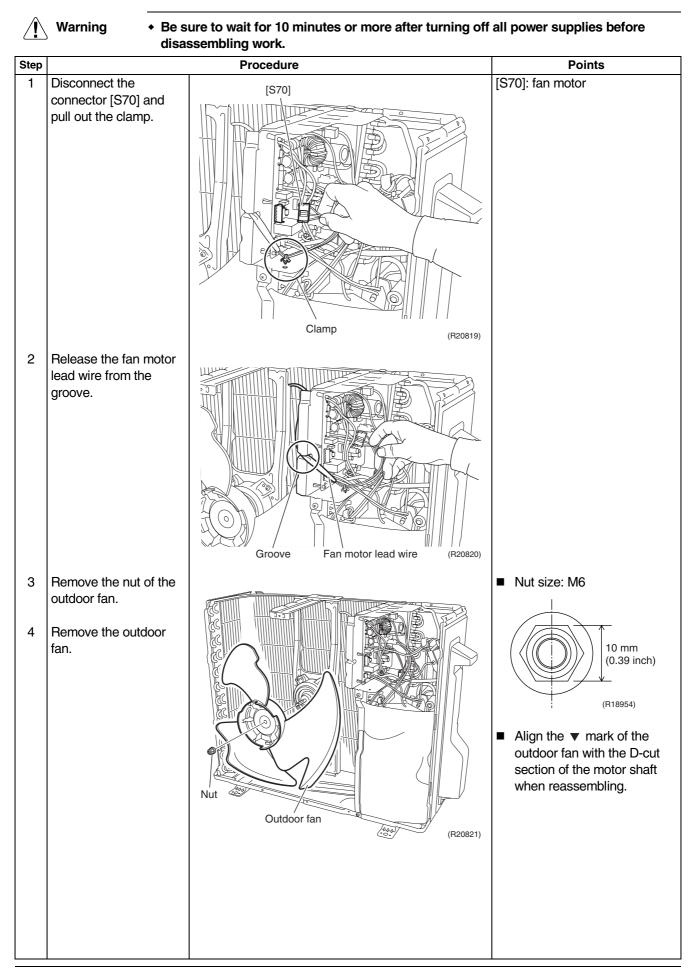


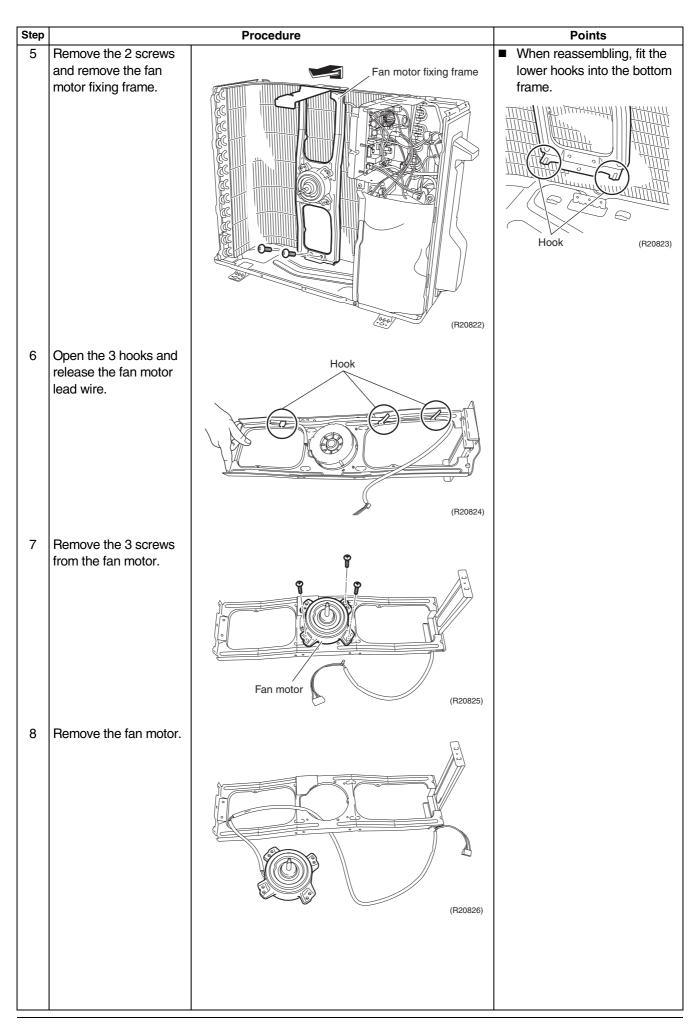
Note: • The illustrations may be slightly different depending on the model.

1. Outer Panels • Be sure to wait for 10 minutes or more after turning off all power supplies before Warning disassembling work. Procedure Step Points Remove the 3 screws 1 Top panel and remove the top panel. (R20815) 2 Remove the 4 screws of the front panel. 6 Front panel (R20816) Unfasten the 3 left side 3 hooks, and then the 2 Hook right side hooks. Remove the front panel. 4 Front panel Hook (R20817)

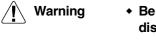
Step		Procedure	Points
5	Rotate the discharge		
	arilla to the loft to		
	grille to the left to		
	unfasten the 6 hooks.		
6	Remove the discharge		
	grille.		
	-		
		Discharge grille (R20818)	
	1		

2. Outdoor Fan / Fan Motor

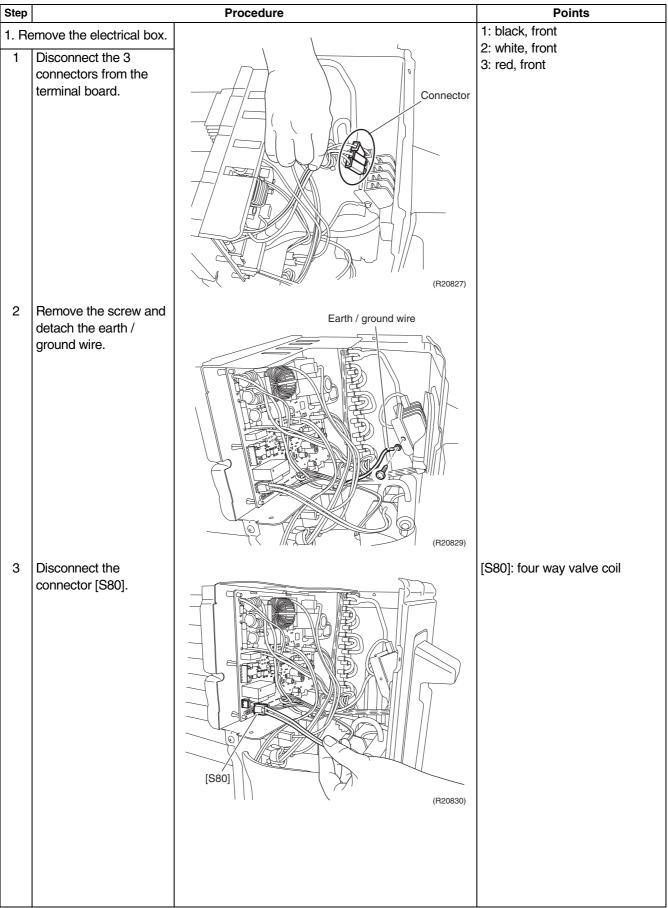


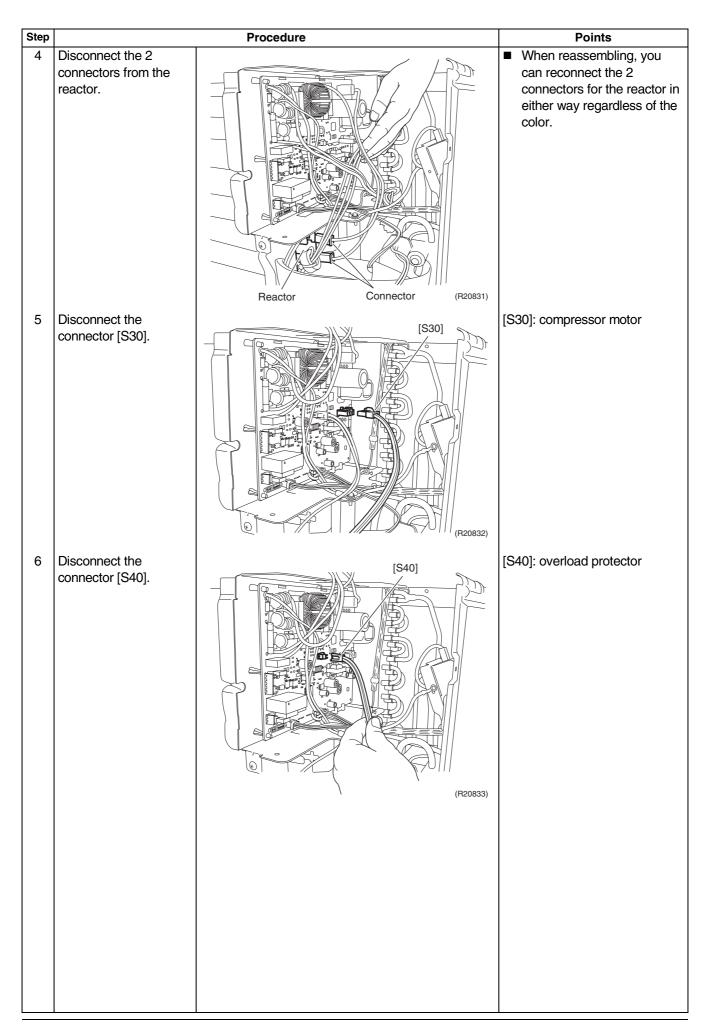


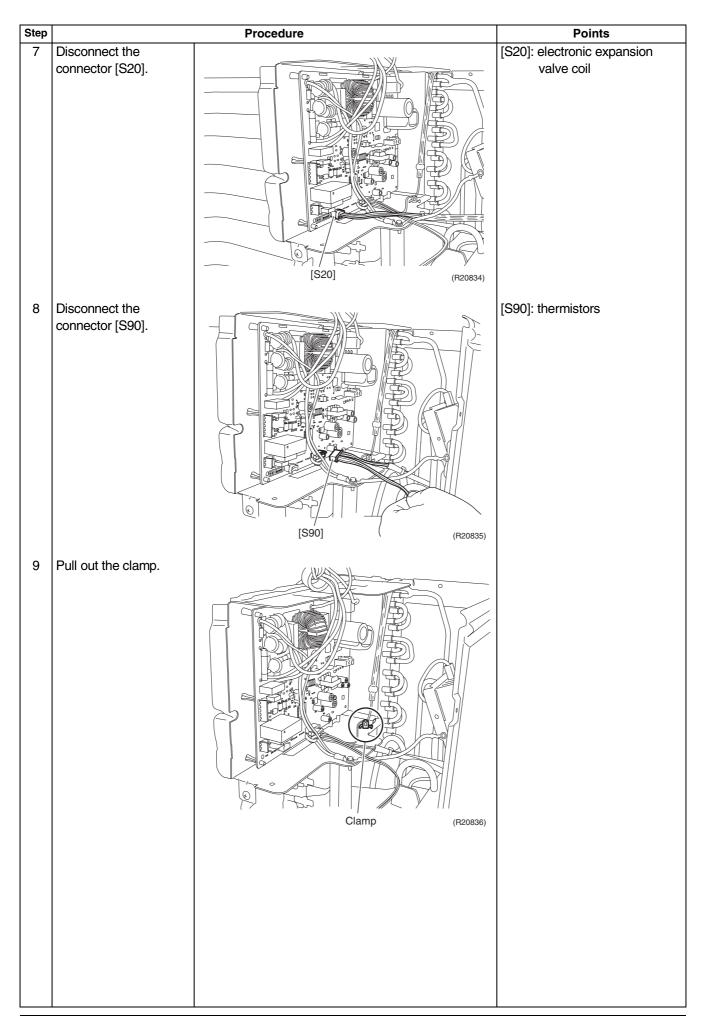
3. Electrical Box / PCB



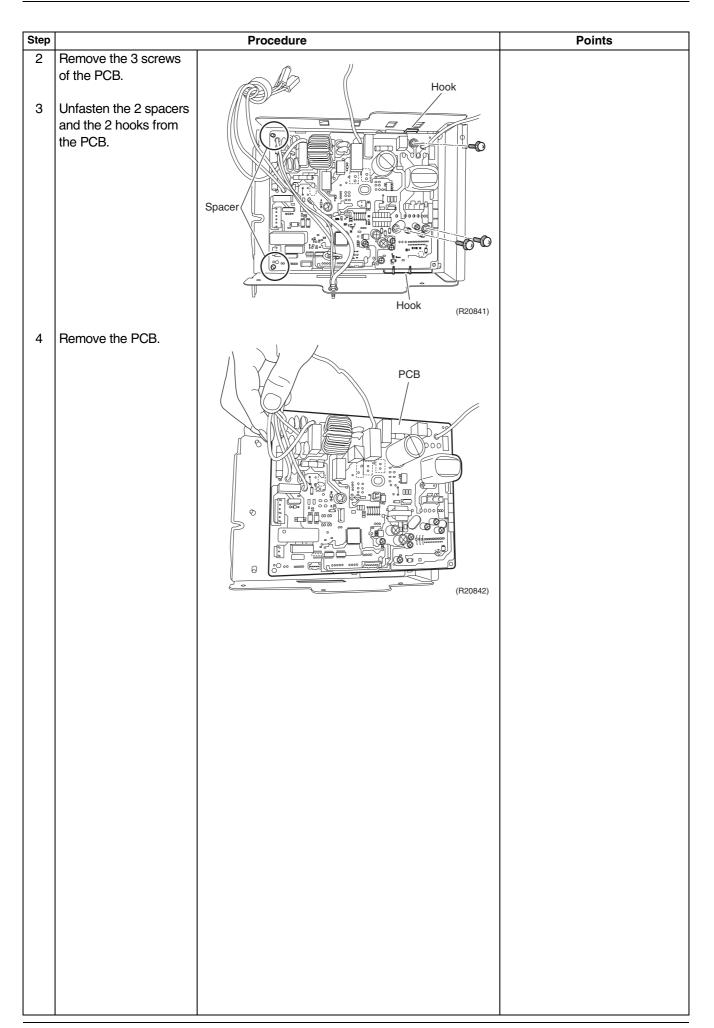
• Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



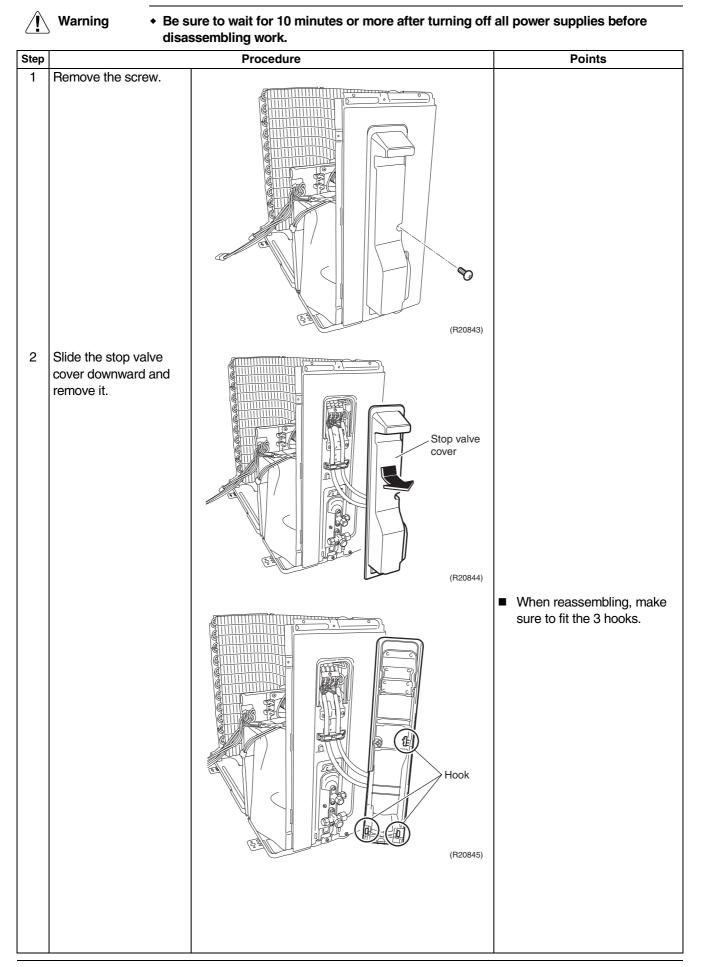


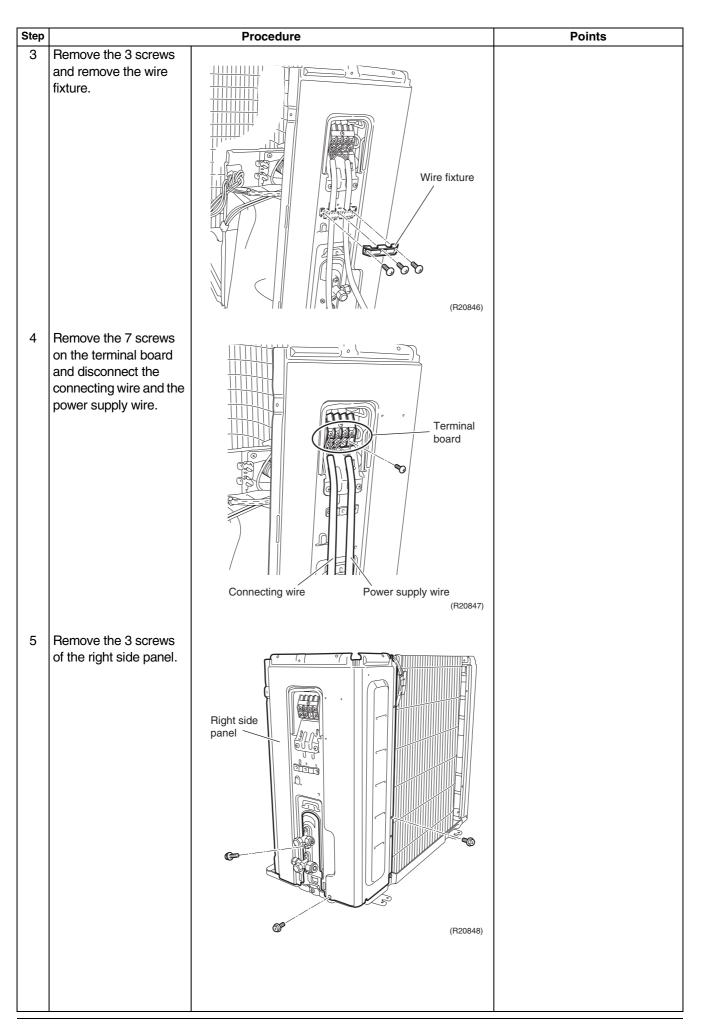


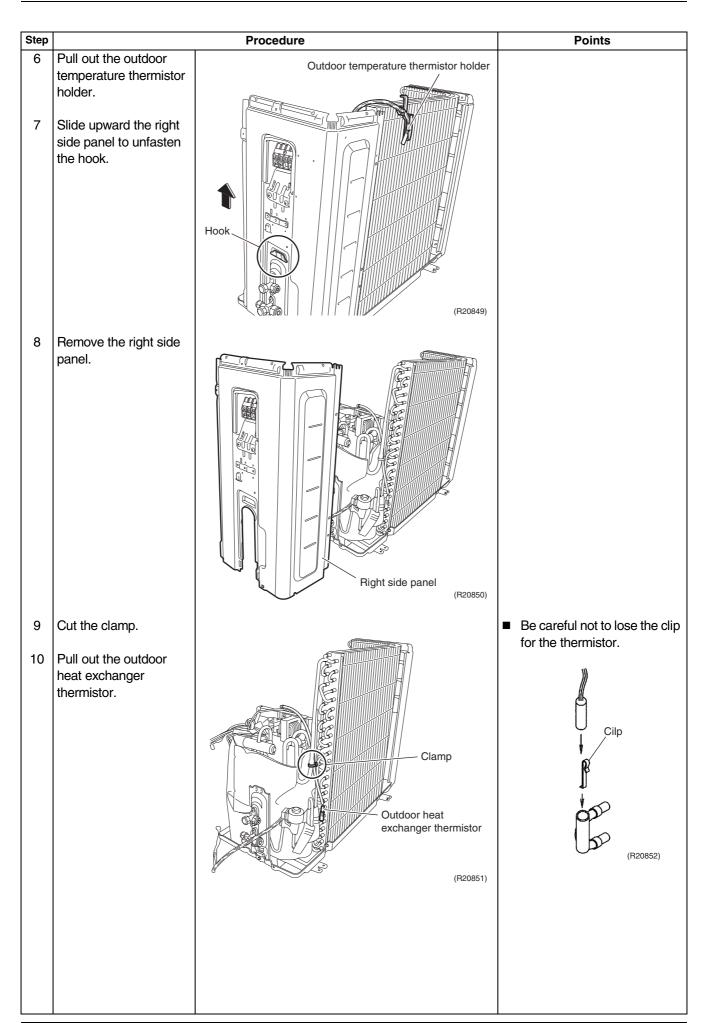
Step		Procedure	Points
10	Remove the screw of		
	the electrical box.	Electrical box	
11	Slide the electrical box to the right and lift up to		There are 2 hooks at the bottom and the top back of the bottom.
	remove it.		the electrical box.
2. Re	emove the PCB.		
1	Remove earth / ground screw.	Image: Constraint of the second se	

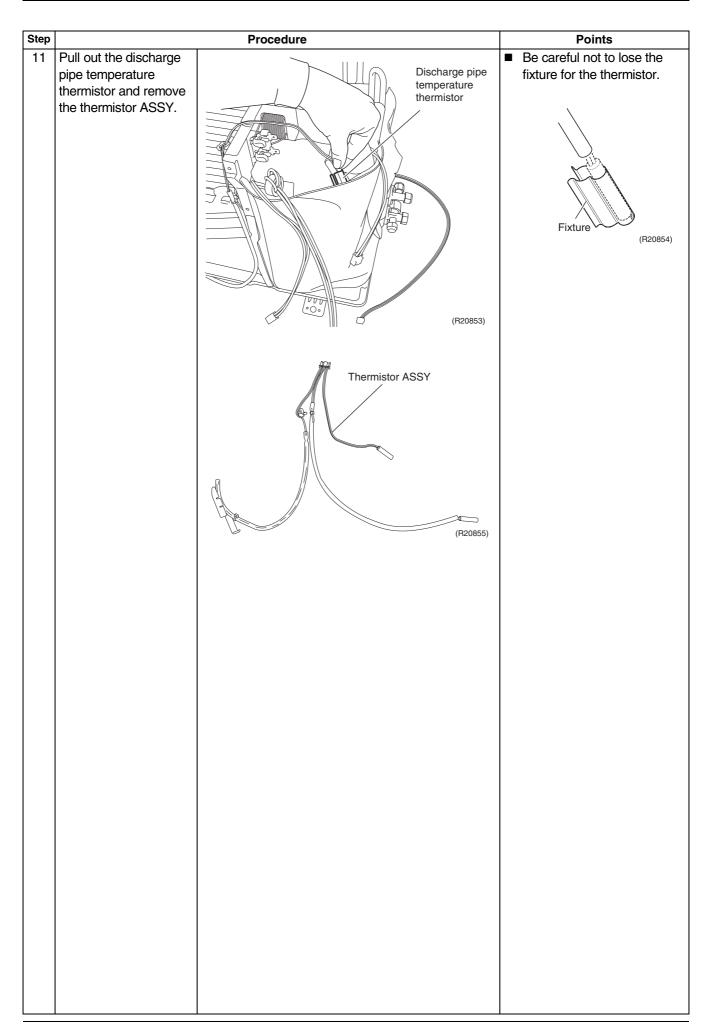


4. Thermistor ASSY







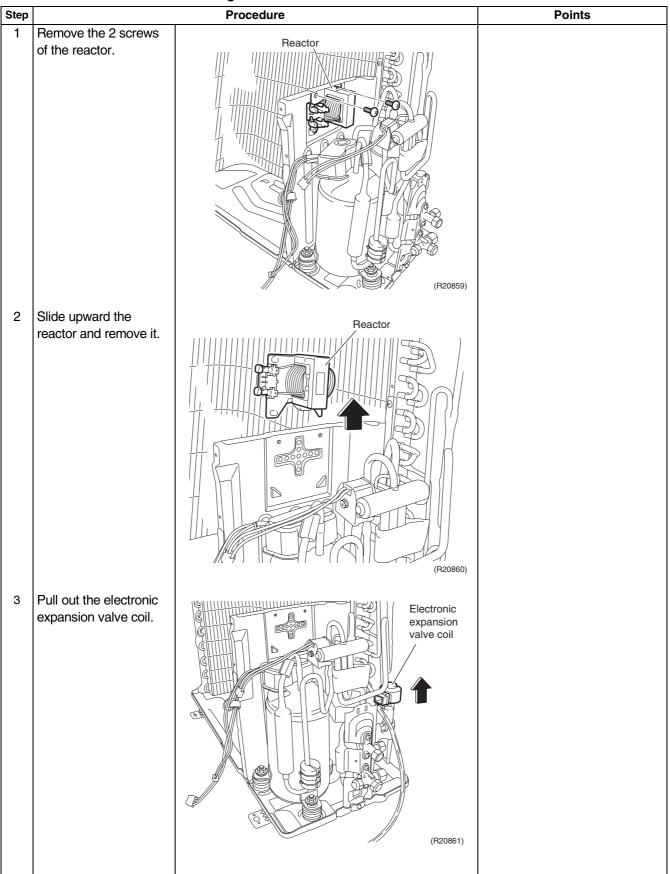


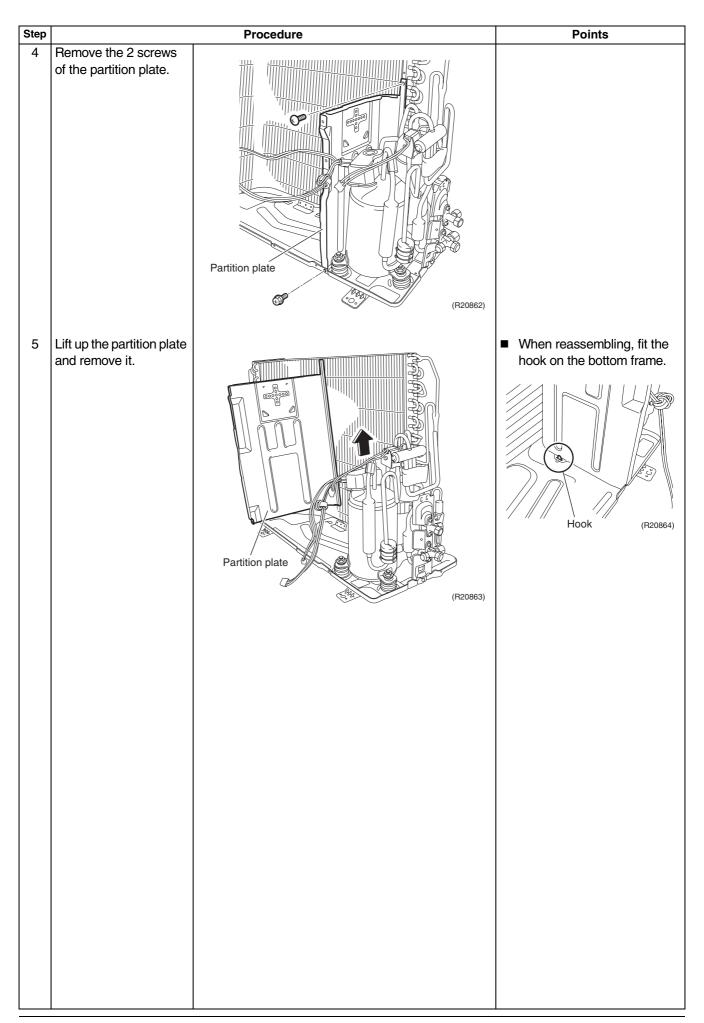
5. Sound Blankets Warning • Be sure to wait for 10 minutes or more after turning off all power supplies before <u>/</u>]` disassembling work. Step Procedure Points Remove the sound 1 The design of sound blanket Sound blanket (top) blanket (top). varies depending on the model. ■ Since the piping ports on the sound blanket are torn easily, remove the blanket carefully. (R20856) 2 Detach the fastener and pull out the sound blanket (outer). Sound blanket (outer) (R20857) 3 Pull out the sound blanket (inner). Sound blanket (inner) (R20858)

6. Reactor / Electronic Expansion Valve Coil / Partition Plate

Warning

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





7. Four Way Valve

Warning

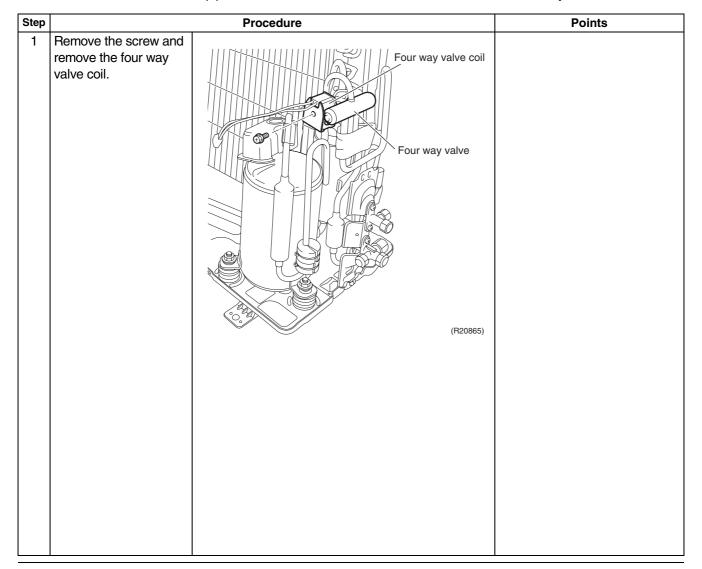
- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
 - Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
 - If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant 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.
Restore the piping by non-oxidation brazing.

Note

- 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.



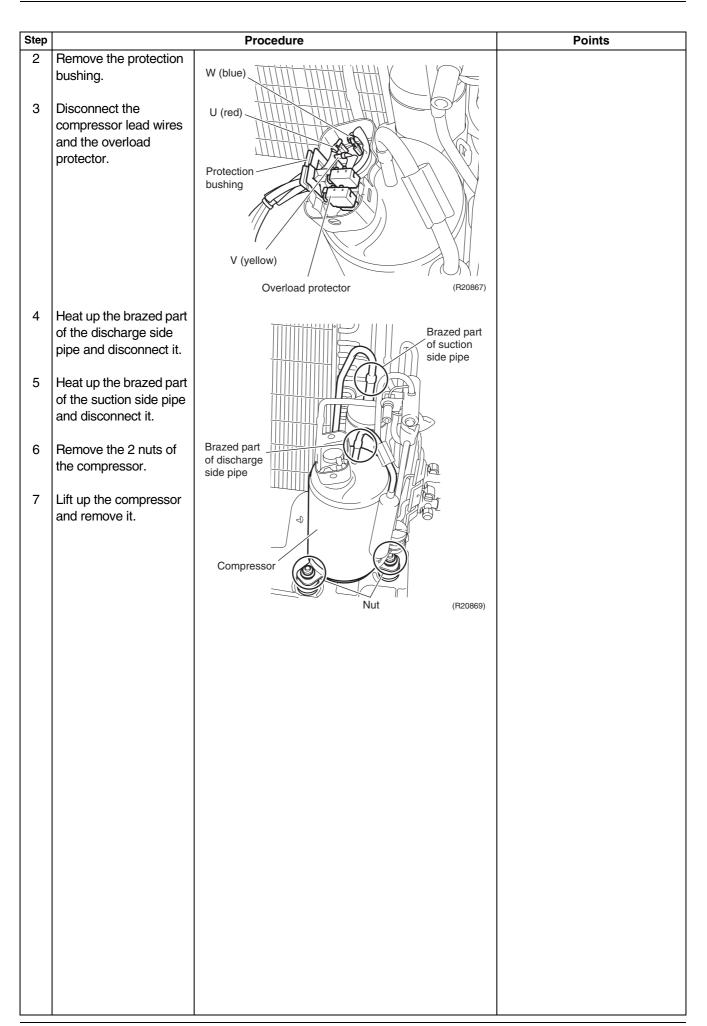
Step		Procedure	Points
2	Remove the terminal		
	cover.	Terminal cover	
3	Remove the protection bushing.	W (blue)	
4	Disconnect the compressor lead wires and the overload protector.	U (red) Protection bushing V (yellow) Overload protector (R20867)	
5	Remove the sheet of putty.	Brazed part	
6	Heat up and disconnect the every brazed part of the four way valve.	Four way valve	
7	Remove the four way valve.	Puty (F2066)	

8. 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. 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. Restore the piping by non-oxidation brazing. Note 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.

Step		Procedure	Points
Step 1	Remove the terminal cover.	Procedure	Points
		(R20866)	

Removal Procedure



Revision History

Month / Year	Version	Revised contents
10 / 2014	Si001418E	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