

Si001560EB



1.5/2.0/2.5/3.0/3.5 kW Class 9000/12000 Btu/h Class



Outdoor Unit







Service Manual Removal Procedure

Outdoor Unit

Cooling Only
 ARKC09RV2S
 ARKC12RV2S

RKC09PV2S RKC12PV2S

RKC09QV2S RKC12QV2S

RKC15PVM RKC20PVM RKC25PVM RKC35PVM

RKC25QVM RKC35QVM

RKC15PVM4 RKC20PVM4 RKC25PVM4 RKC35PVM4

RKC25QVM4 RKC35QVM4

RKC25PVMM RKC35PVMM

RKC20PVMV RKC25PVMV RKC35PVMV

RKC25QVMV RKC35QVMV Heat Pump
 RXM20HVMV
 RXM25HVMV
 RXM35HVMV

RXP20HVLT RXP25HVLT RXP30HVLT

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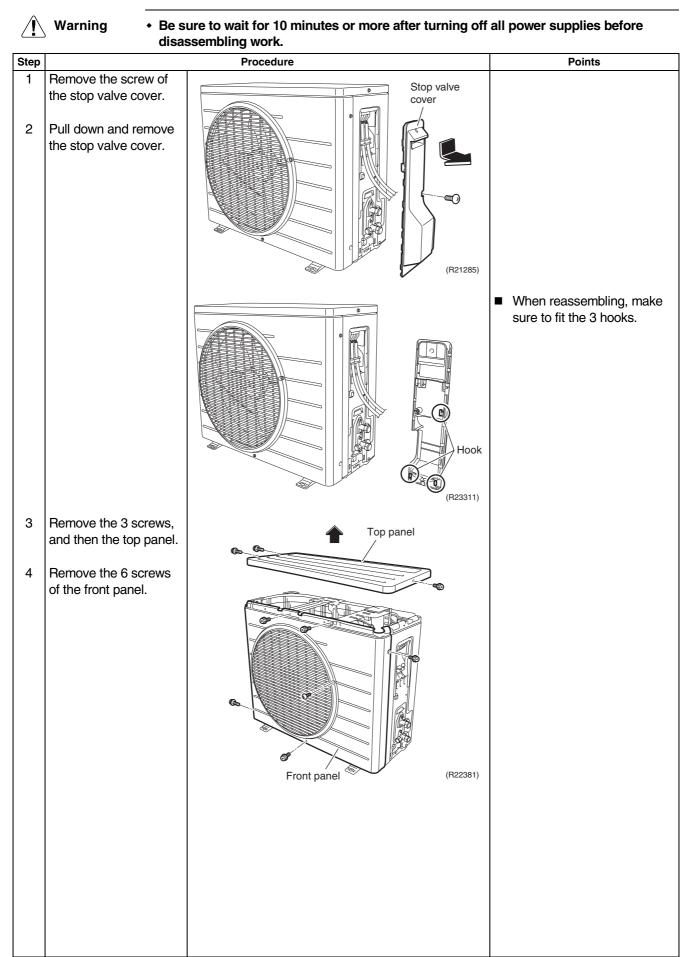
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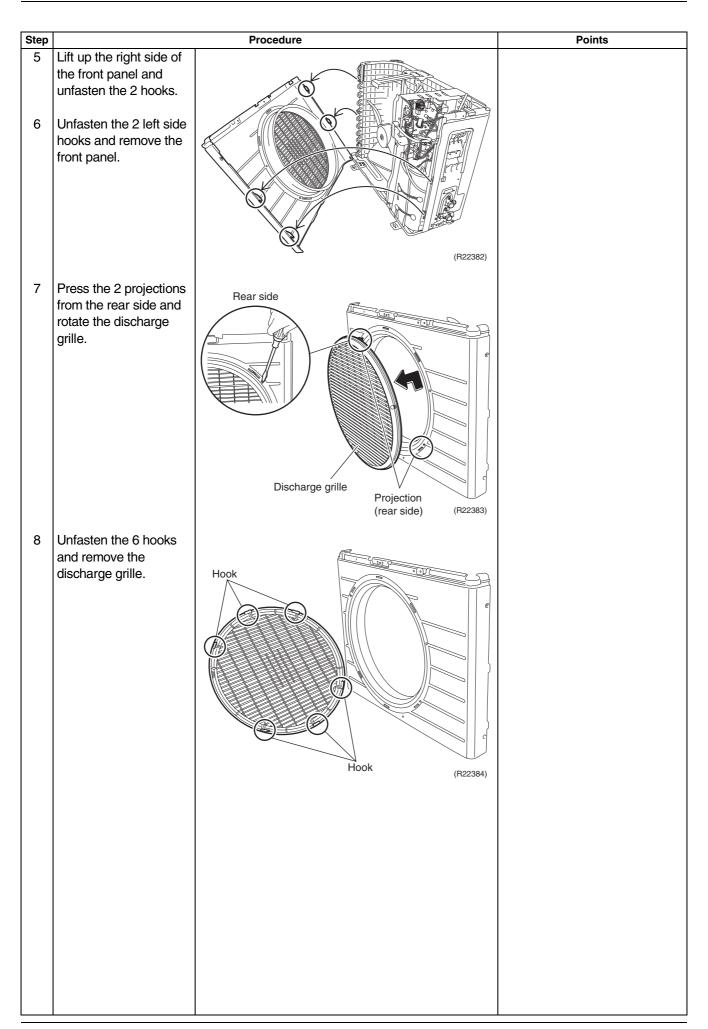


 The illustrations may be slightly 	different depending on the model.
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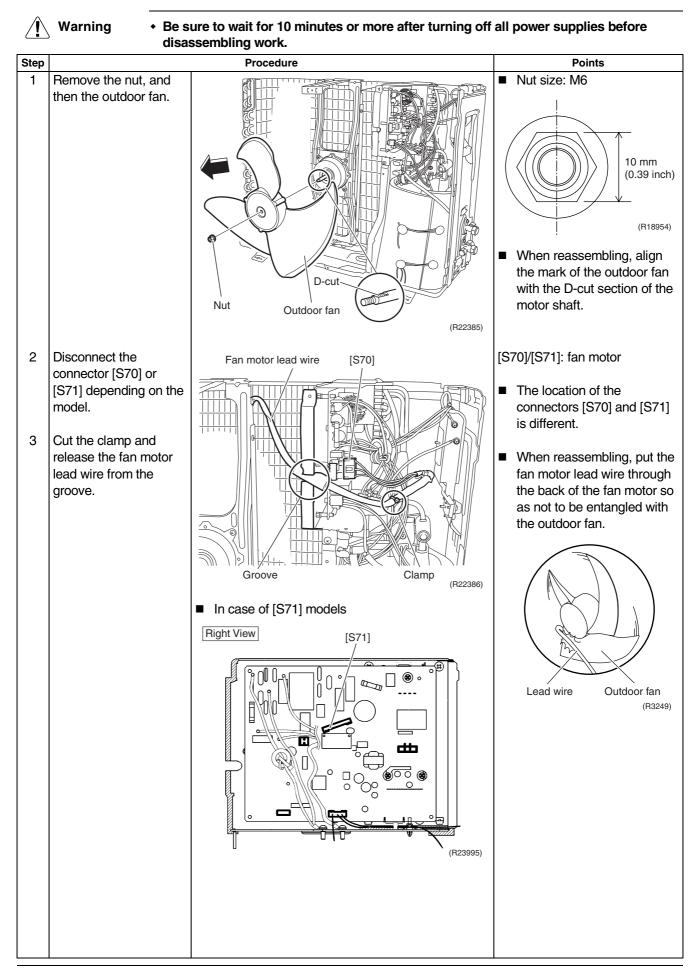
• The illustrations are for heat pump models as representative.

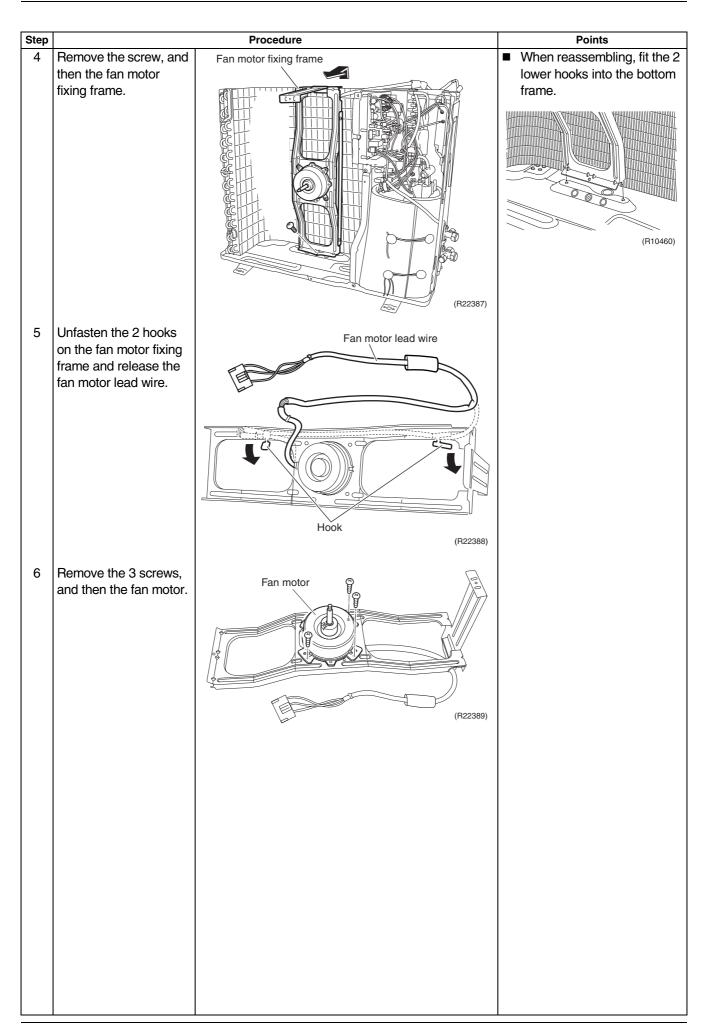
1. Outer Panels



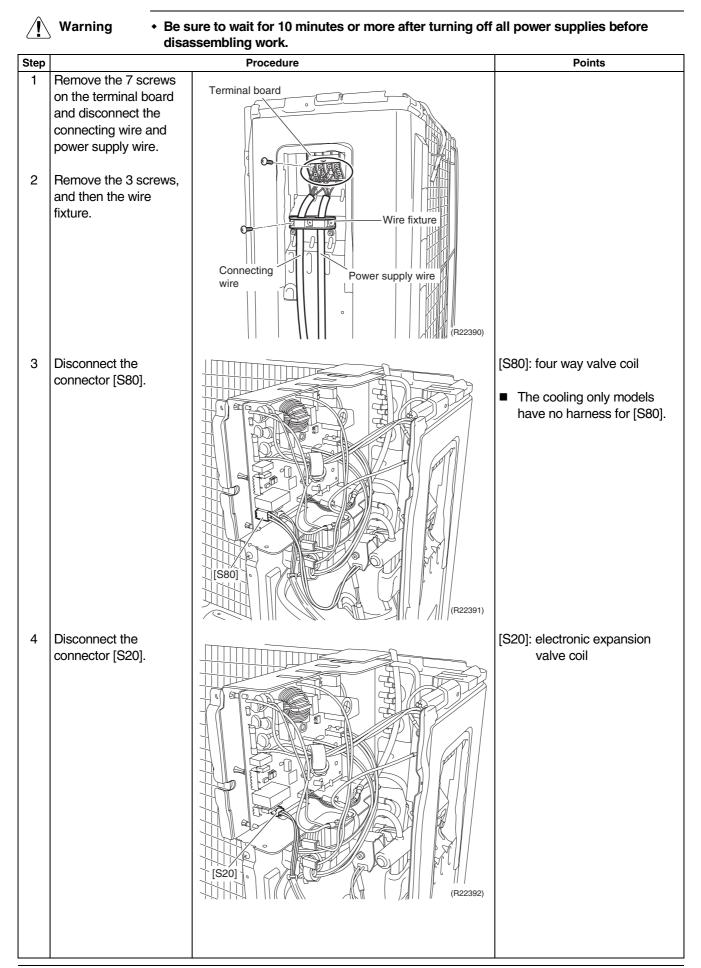


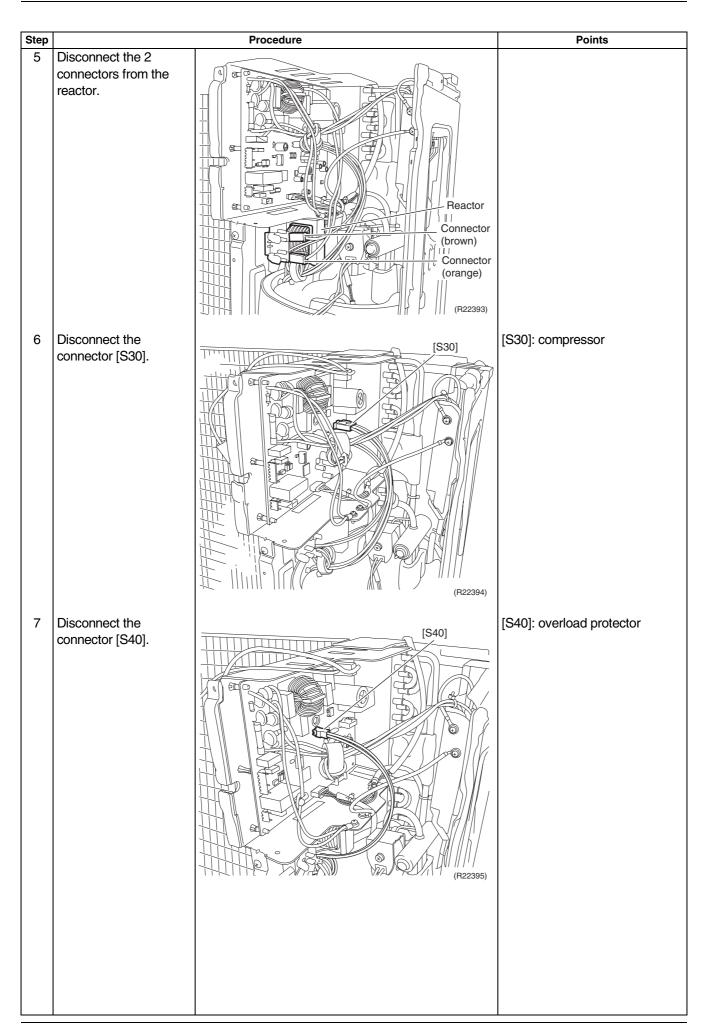
2. Outdoor Fan / Fan Motor

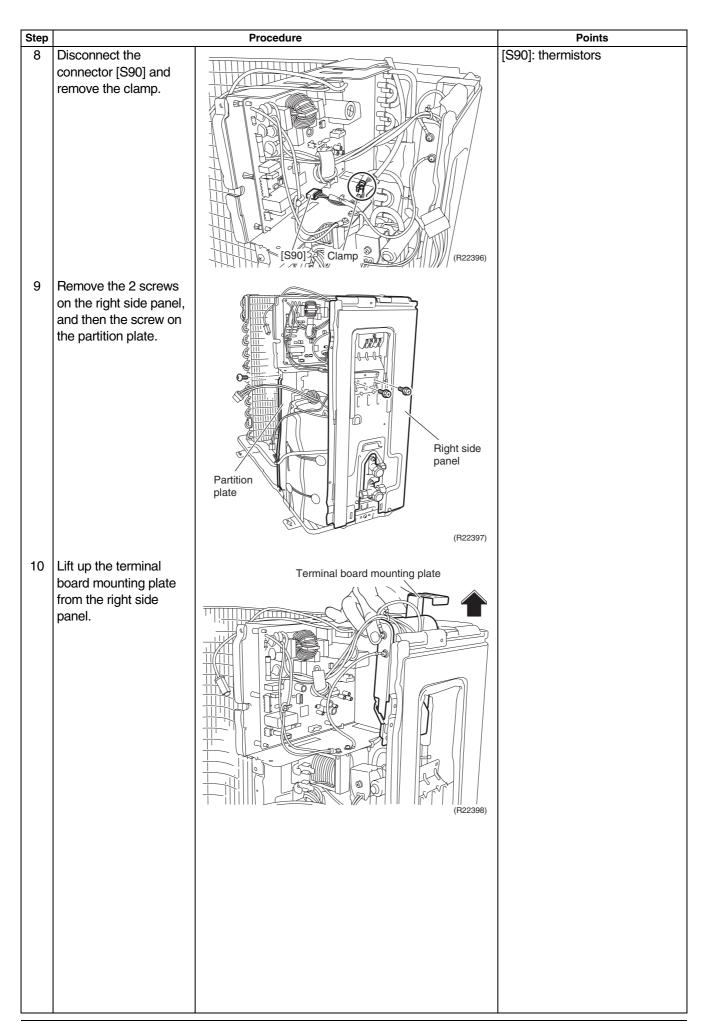


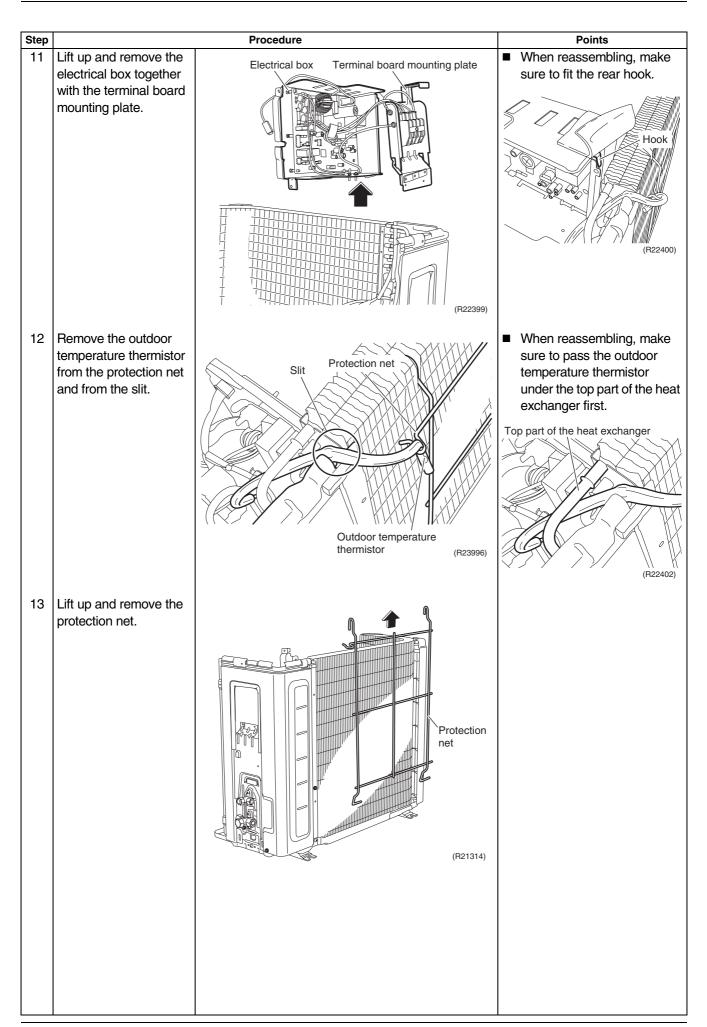


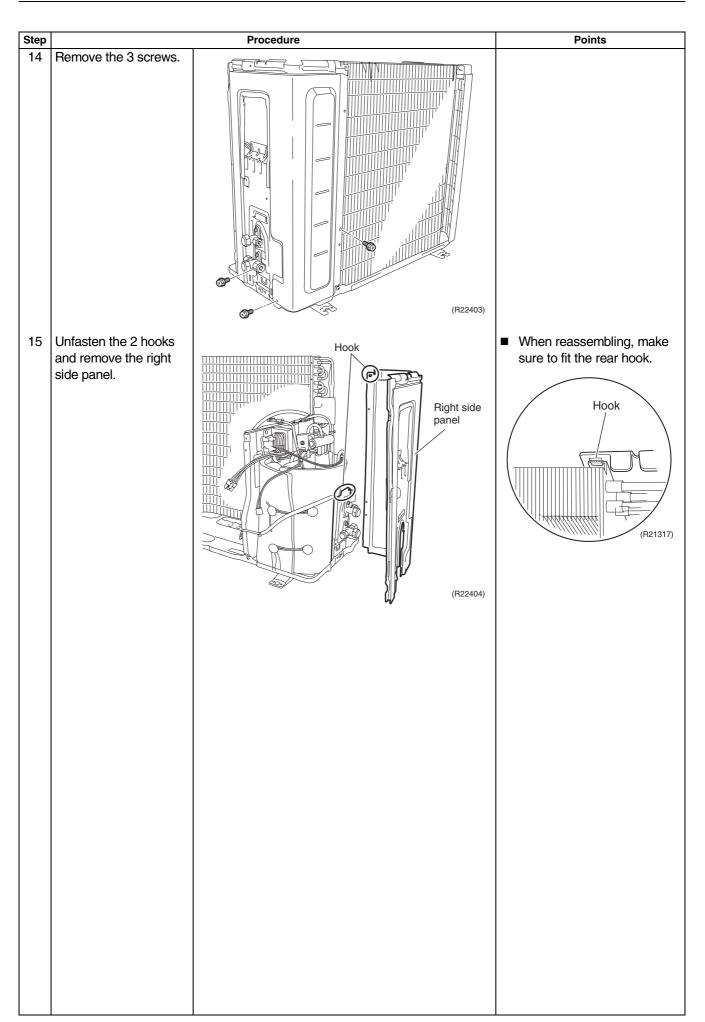
3. Electrical Box



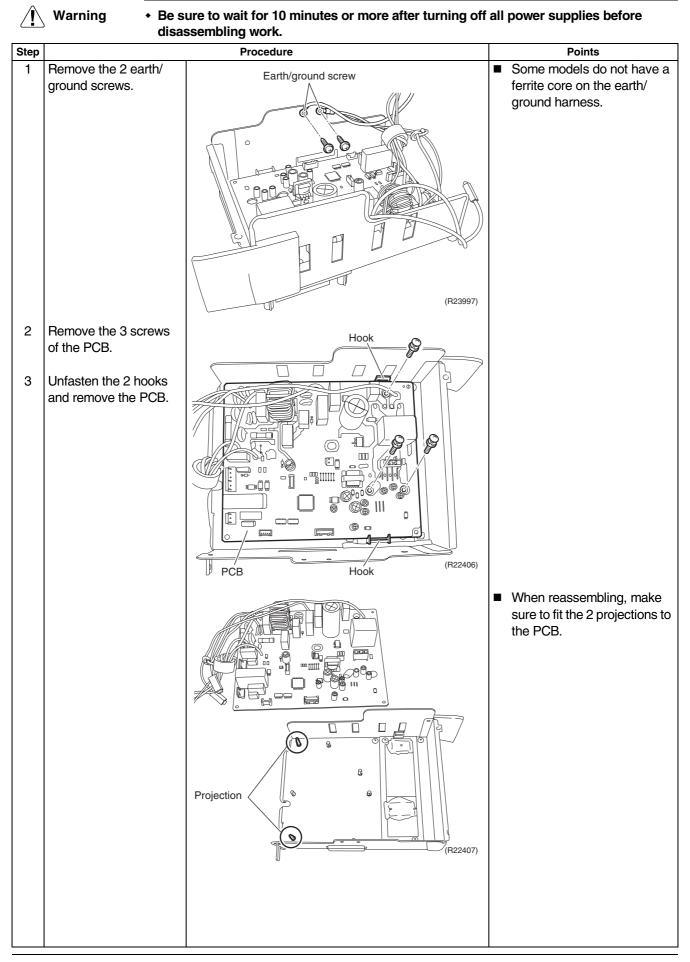




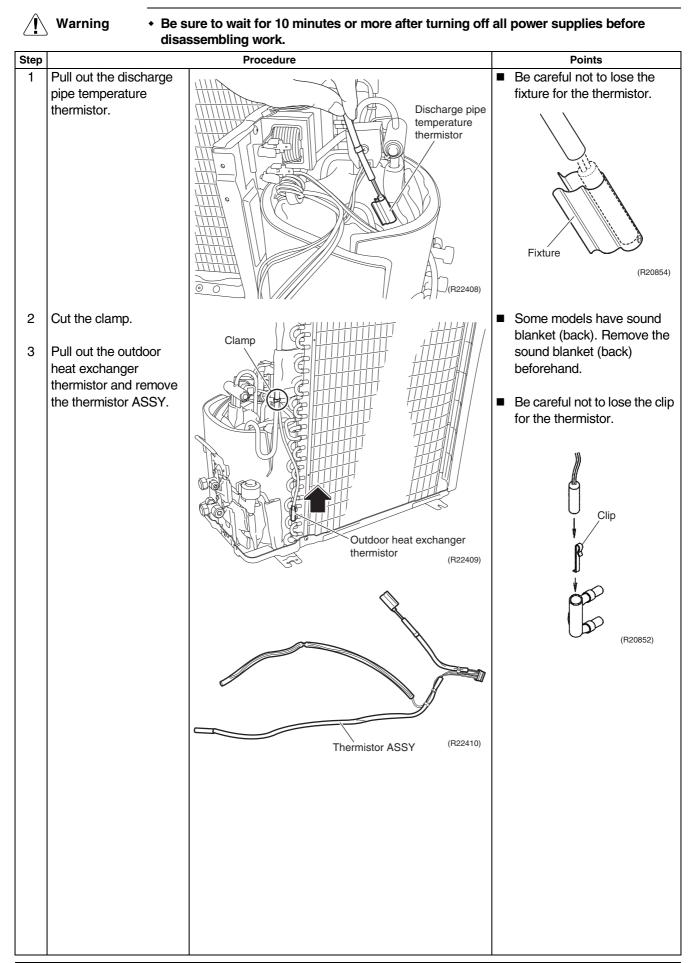




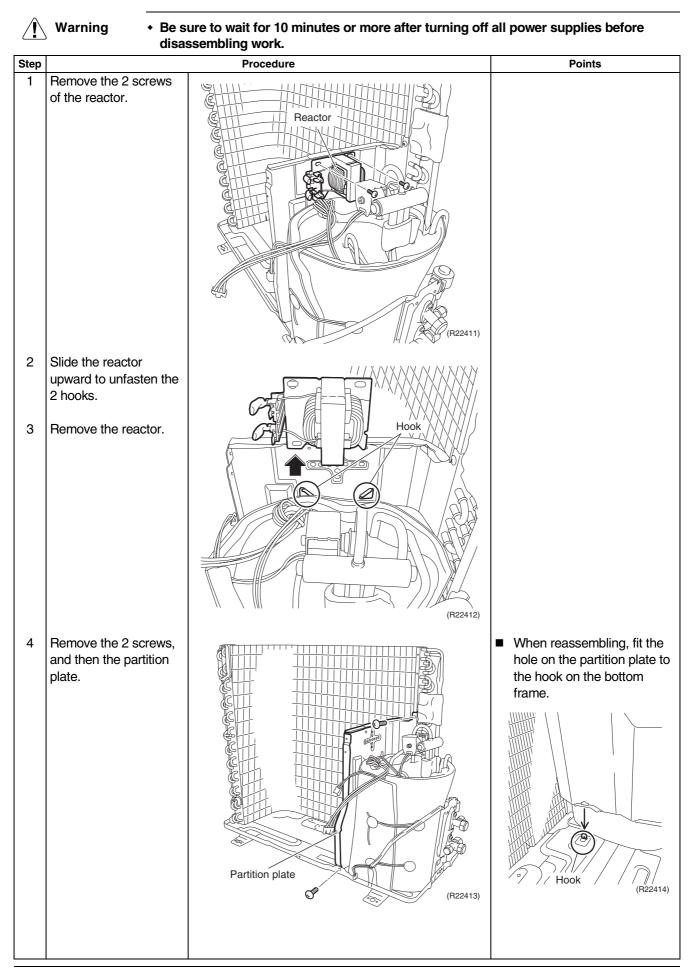
4. PCB



5. Thermistor ASSY



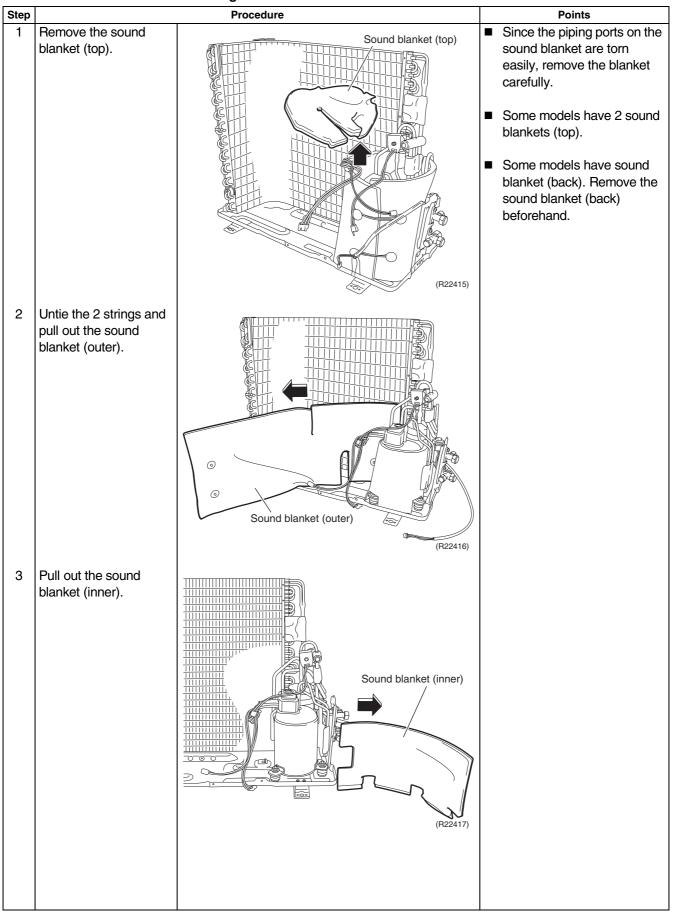
6. Reactor / Partition Plate



7. Sound Blankets

Warning

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



8. Electronic Expansion Valve Coil / Four Way Valve



- 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.)

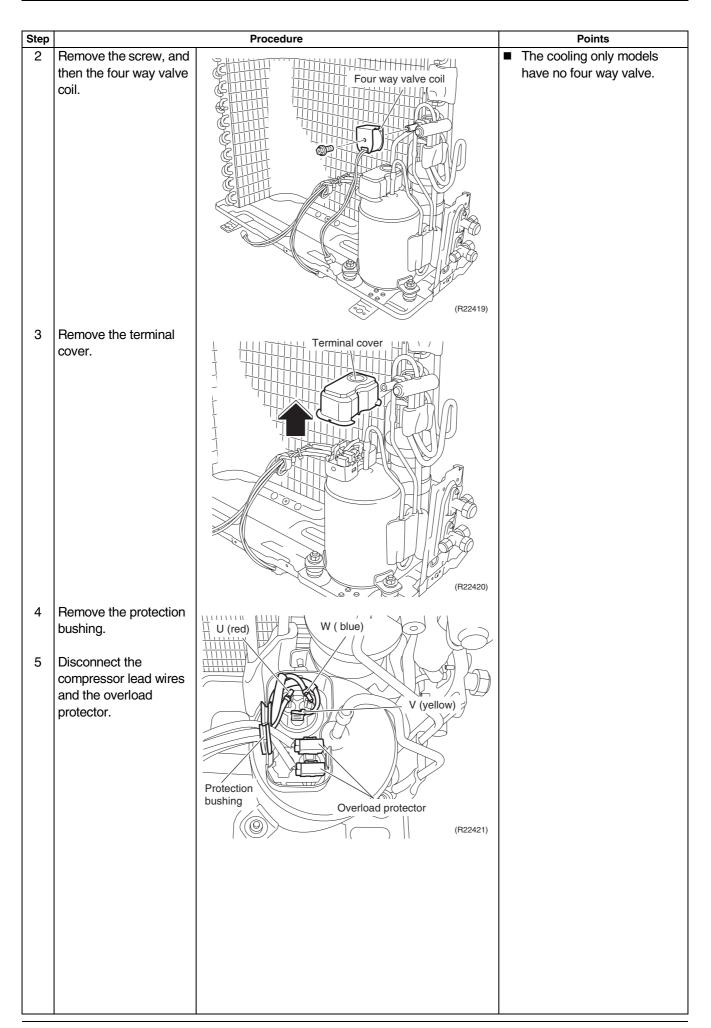
Caution

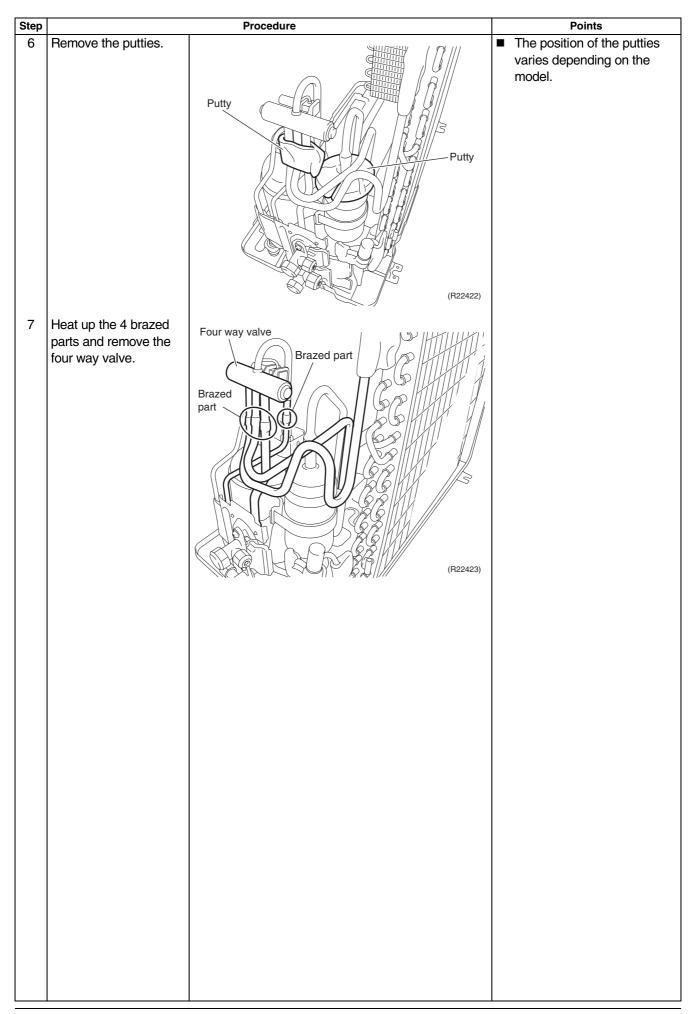
- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- Cautions for restoration
 - 1. Restore the piping by non-oxidation brazing.
 - It is required to prevent the carbonization of the oil inside the 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.

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
1	Pull out the electronic expansion valve coil.	Electronic expansion valve coil	





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.

A 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
1	Remove the terminal cover.	Terminal cover	

Step		Procedure	Points
2	Remove the protection		
3	Disconnect the compressor lead wires and the overload protector.	U (red) W (blue) V (yellow)	
4	Remove the putties.	Protection bushing Overload protector (R22421)	 The position of the putties
		Putty Putty	varies depending on the model.
5	Heat up the brazed part	(R22422)	
6	of the discharge side pipe and disconnect it. Heat up the brazed part of the suction side pipe	Brazed part of the suction side pipe	
7	and disconnect it. Remove the 3 nuts.	Brazed part of the discharge side pipe	
8	Lift up the compressor and remove it.	Compressor Nut (R22425)	

Revision History

Month / Year	Version	Revised contents
09 / 2015	Si001560E	First edition
04 / 2016	Si001560EA	Model addition: ARKC09/12RV2S
09 / 2016	Si001560EB	Model addition: RKC09/12QV2S, RKC25/35QVM, RKC25/35QVM4, RKC25/35QVMV



- 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

Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
 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, 530-833 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