

Si001421EA



## 4.1/4.2/4.6/5.0/6.0/6.3 kW Class



Outdoor Unit



🔰 Pair Type



## Service Manual Removal Procedure

## **Outdoor Unit**

●Cooling Only RKM46PVMA RKM50PVMA RKM60PVMA Heat Pump RXJ41NVLT
RXJ50LV1B
RXJ50NVMV
RXJ50PVMA
RXM42LV1B
RXM42LV1B
RXM41NVLT
RXM41NVLT
RXM50NVLT

RXM46PVMA RXM50PVMA RXM60PVMA

RXV41NVLT RXV50NVLT RXV63NVLT

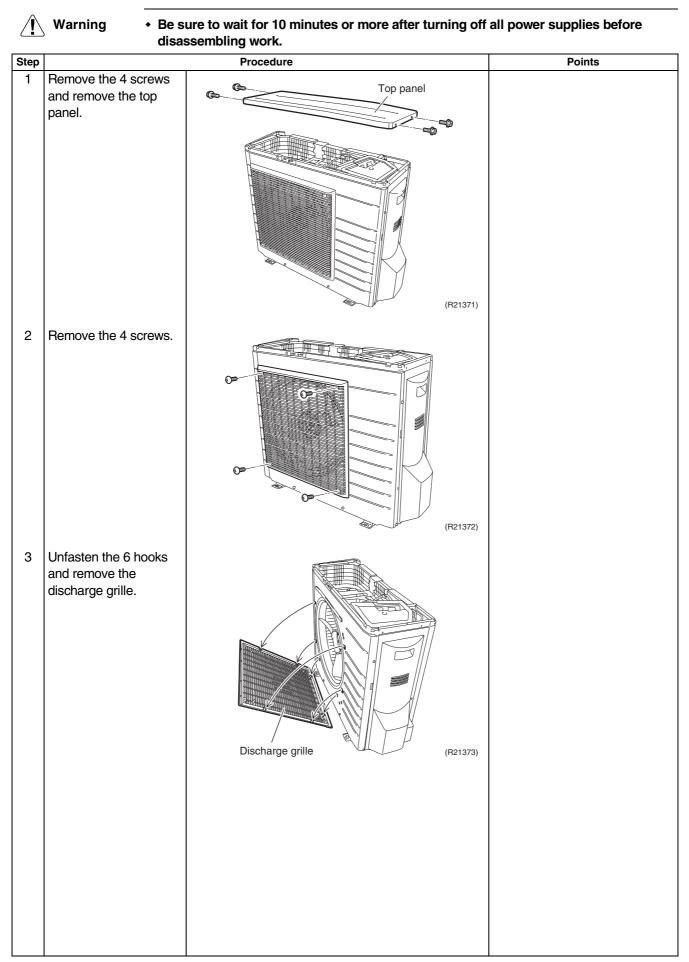
# **Table of Contents**

1. (	Outer Panels	2
2. (	Outdoor Fan / Fan Motor	4
3. I	Electrical Box	6
4. I	PCBs	11
5. I	Partition Plate / Sound Blankets	14
6. I	Electronic Expansion Valve Coil / Four Way Valve	16
7. (	Compressor	18
	•	



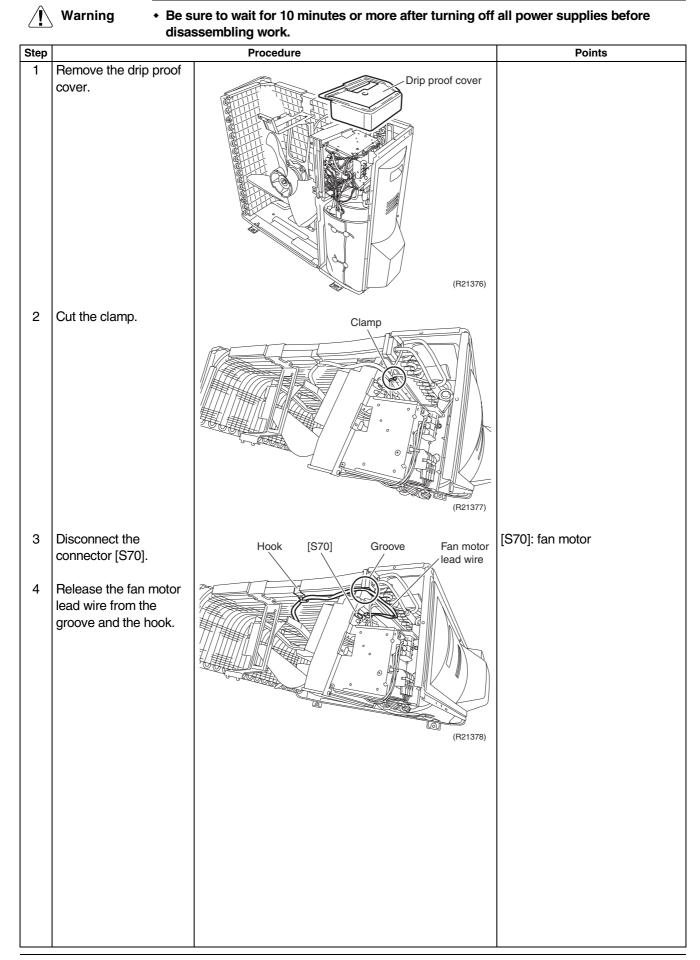
The illustrations may be slightly different depending on the model.The illustrations are for heat pump models as representative.

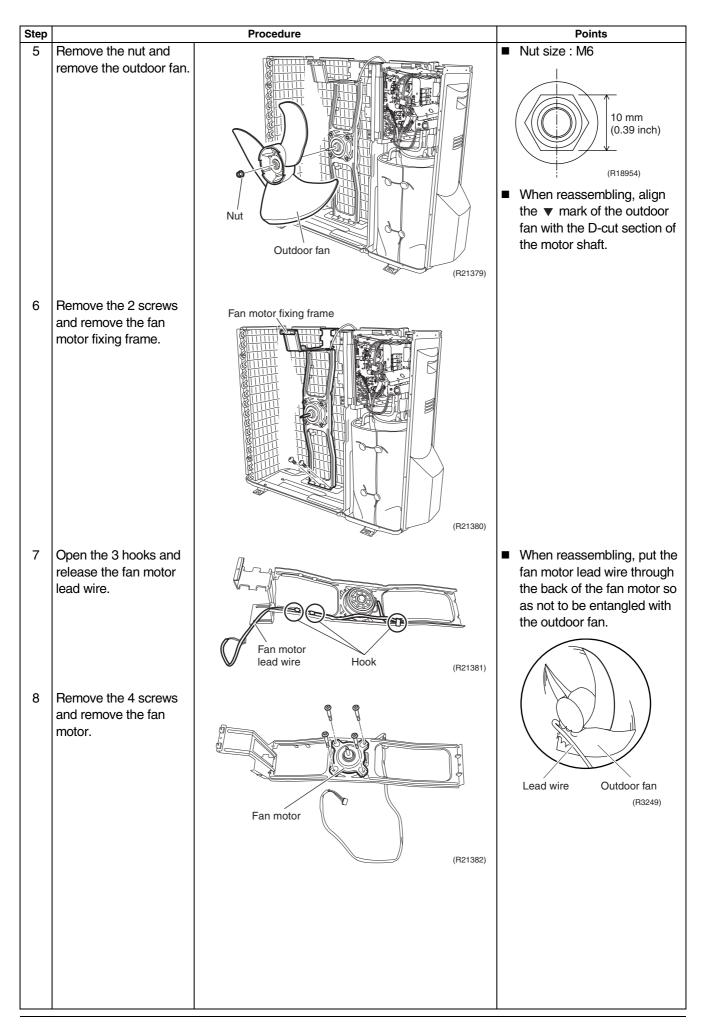
#### 1. Outer Panels



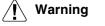
Step		Procedure	Points
4	Remove the 6 screws.	(B21374)	
5	Unfasten the 4 hooks and remove the front panel.	(E1374)	

#### 2. Outdoor Fan / Fan Motor

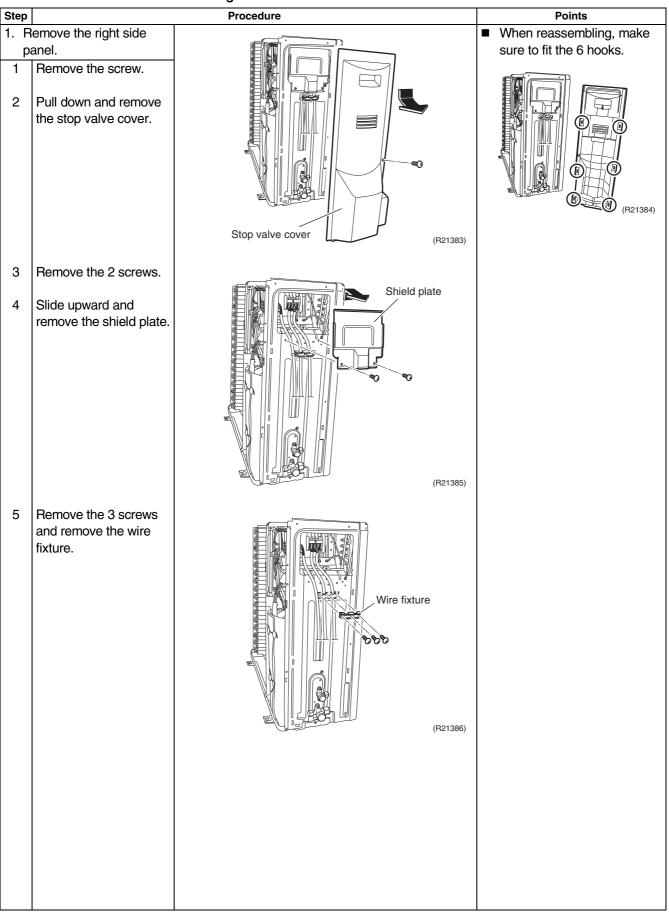


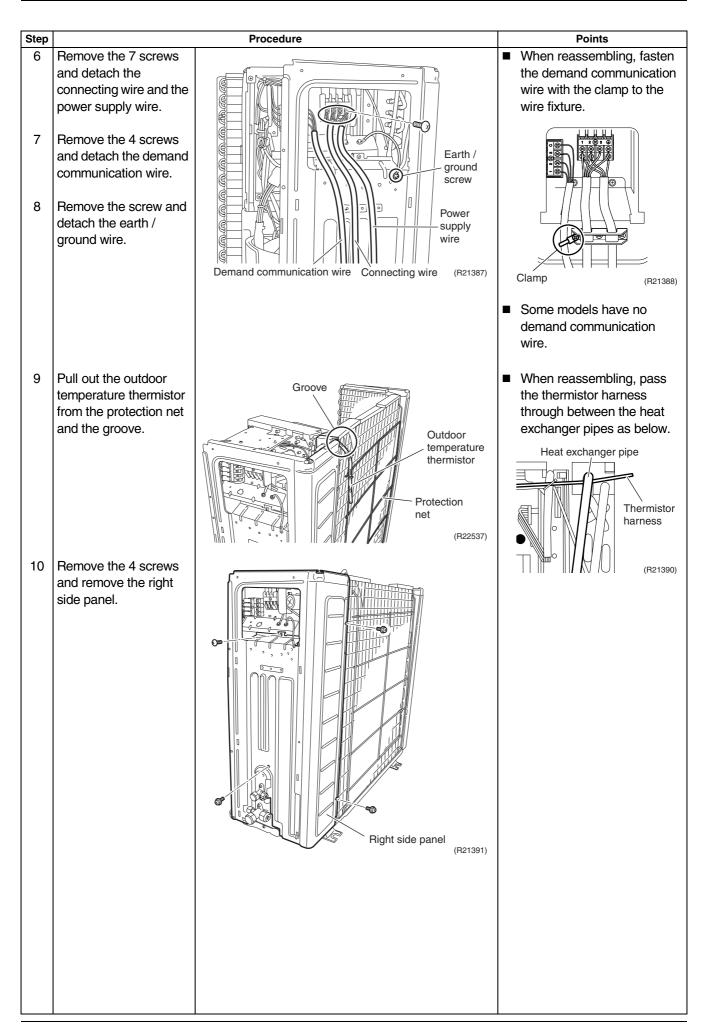


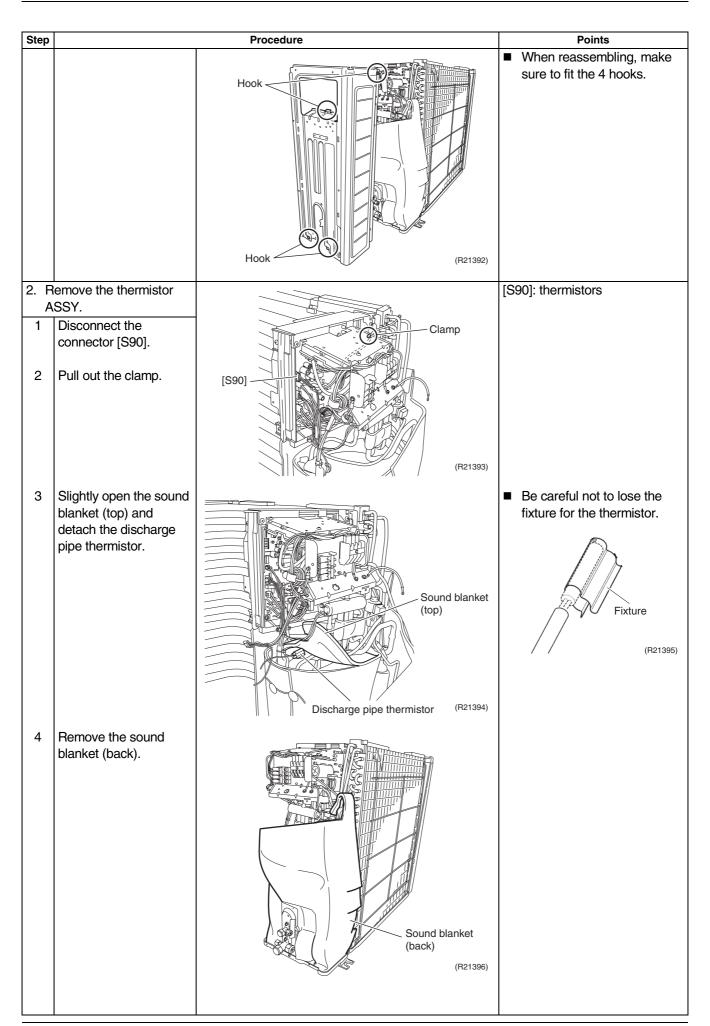
#### 3. Electrical Box

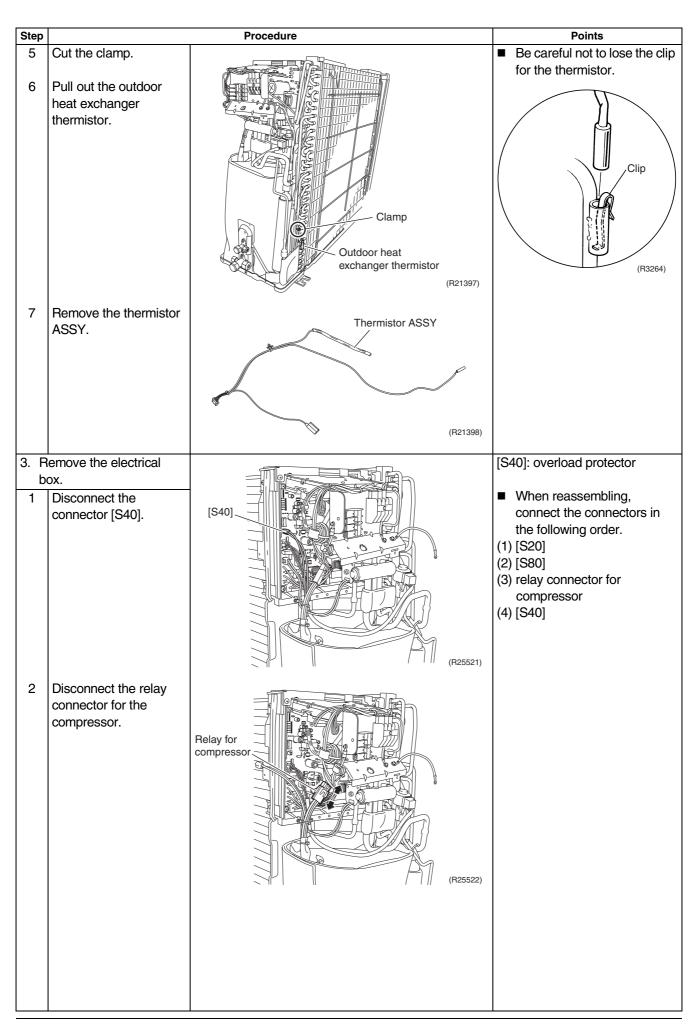


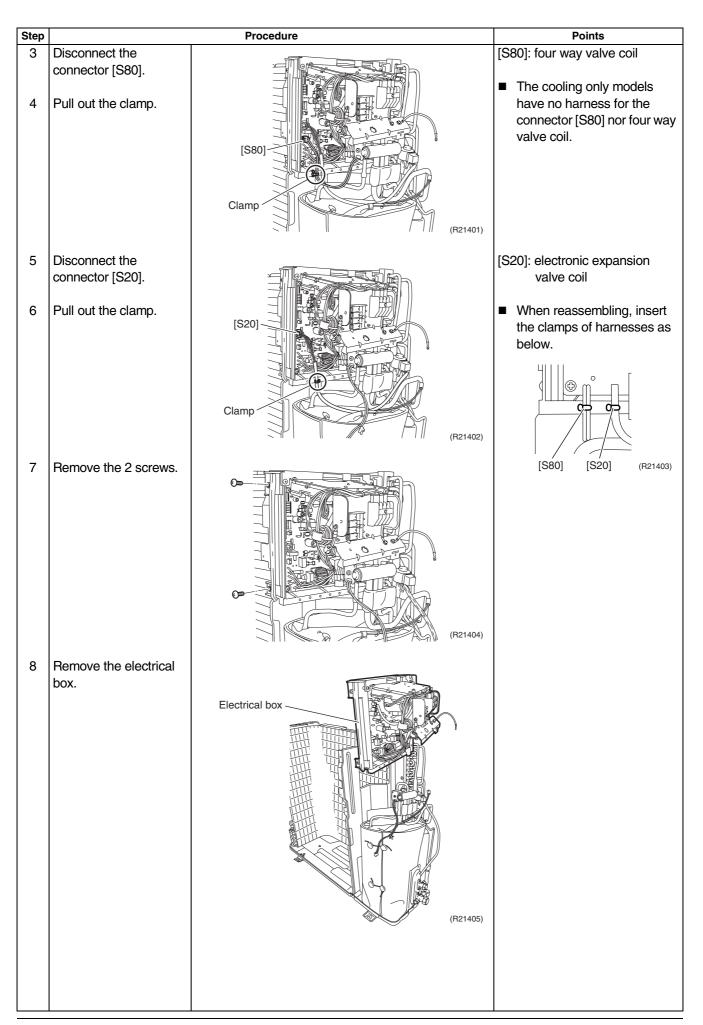
• Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

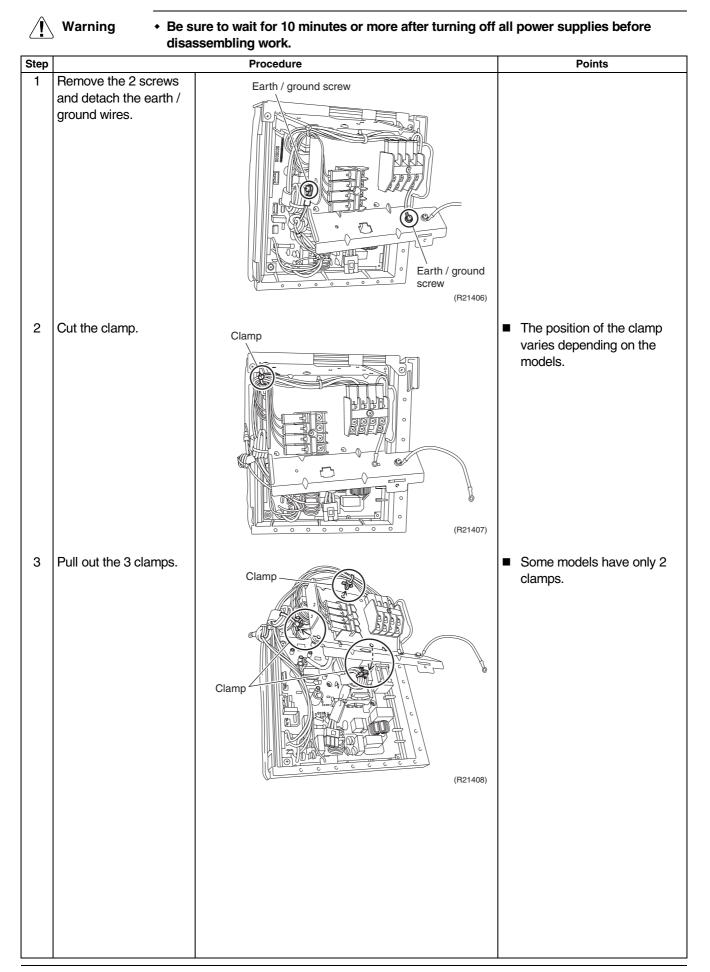




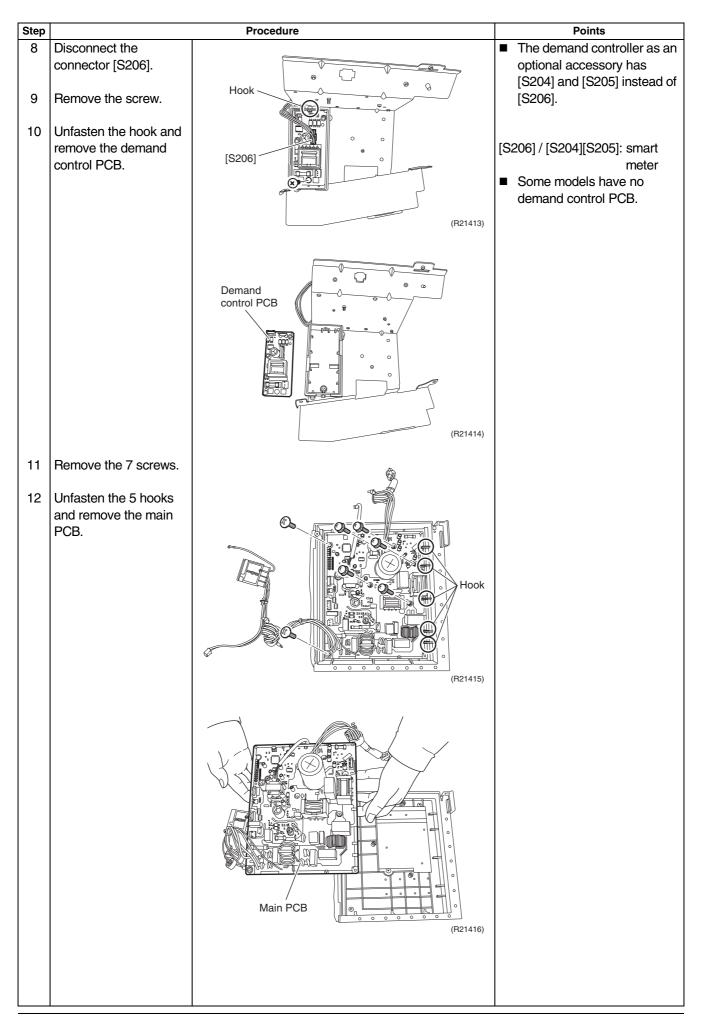




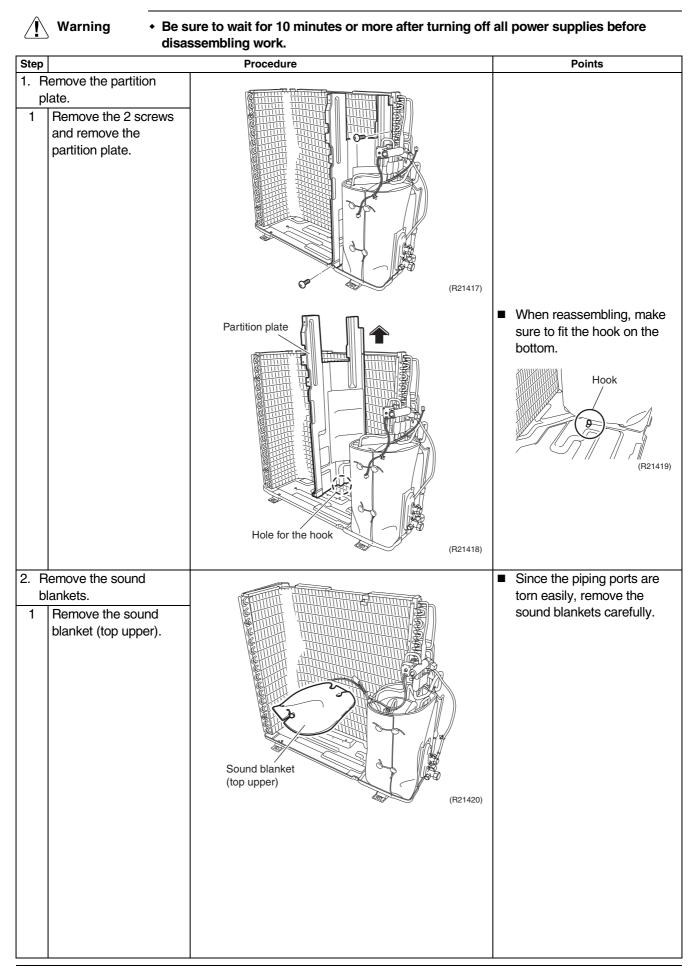


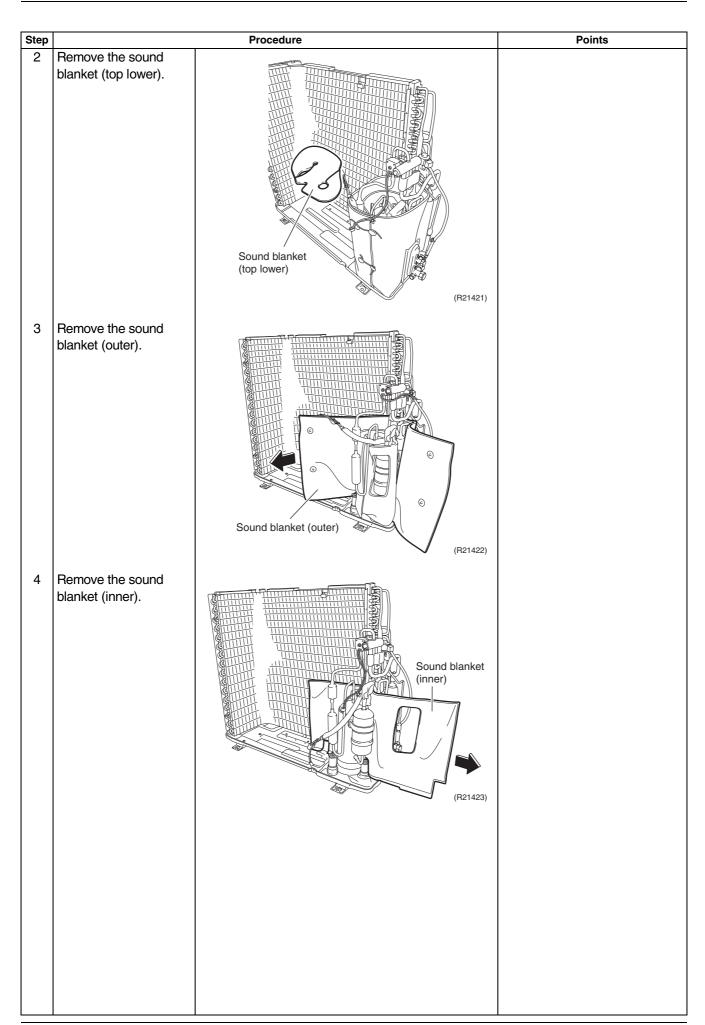


Step		Procedure	Points
4	Remove the screw and remove the terminal board.	(F21409)	
5	Disconnect the connectors [S201], [S203].	[S201] (S203)	<ul> <li>[S201]: terminal board</li> <li>[S203]: main PCB</li> <li>Some models have no connectors [S201] and [S203].</li> </ul>
6	Remove the 2 screws.	(F21411)	
7	Unfasten the hook on the back and remove the electronic component mounting plate.	Electronic component mounting plate (F21412)	



#### 5. Partition Plate / Sound Blankets

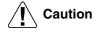




#### 6. Electronic Expansion Valve Coil / Four Way Valve



- 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.)

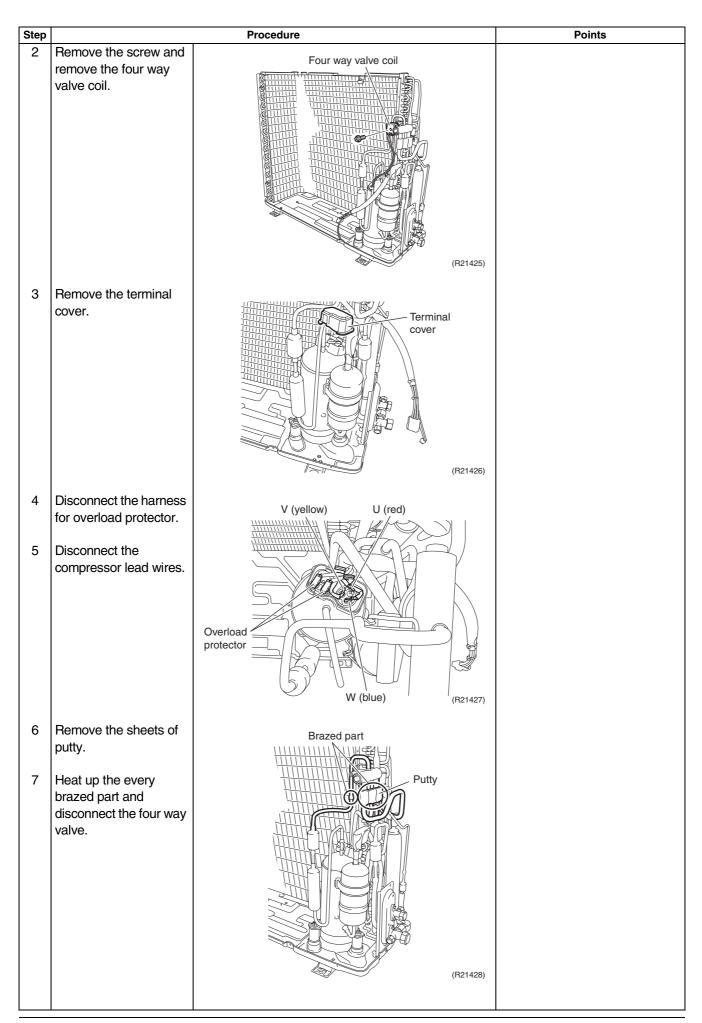


- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- Cautions for restoration
  - 1. Restore the piping by non-oxidation brazing.
  - It is required to prevent the carbonization of the oil inside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

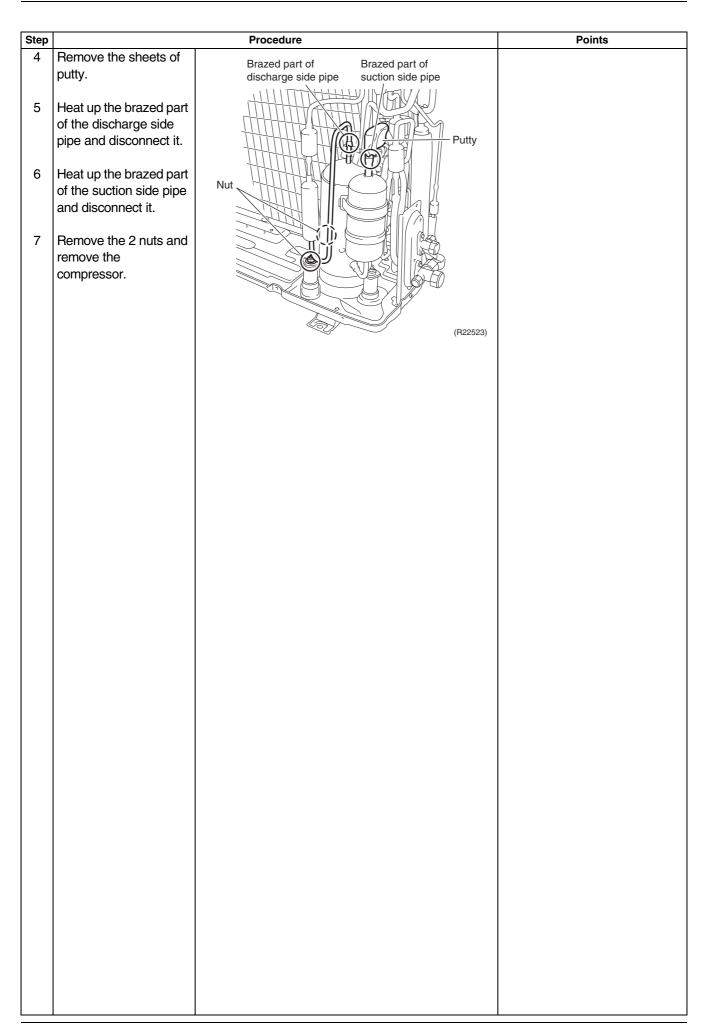


- Before working, make sure that the refrigerant gas is empty in the circuit.
- Be sure to apply nitrogen replacement when heating up the brazed part.
- Do not use a metal saw for cutting pipes by all means because the sawdust comes into the circuit.
- When withdrawing the pipes, be careful not to pinch 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.

Step		Procedure	Points
1	Pull out the electronic expansion valve coil.	Forecard	The cooling only models have no four way valve coil.



#### 7. 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. Procedure Points Step 1 Remove the terminal cover. Terminal cover (R21426) 2 Disconnect the harness V (yellow) U (red) for overload protector. 3 Disconnect the compressor lead wires. Overload protector W (blue) (R21427)



## **Revision History**

Month / Year	Version	Revised contents
04 / 2015	Si001421E	First edition
09 / 2015	Si001421EA	Model addition: RXM41/50NVLT, RXV41/50/63NVLT



- 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	<b>DAIKIN INDUSTRIES, LTD.</b> 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