



5.0/6.0/7.1 kW Class



Inverter

Pair Type



Service Manual Removal Procedure

Outdoor Unit

Cooling Only

RKD50GVMV RKD60GVMV RKD71GVMV

RKD50HVMV RKD60HVMV RKD71HVMV Heat Pump

RXD50BVMV RXD60BVMV RXD71BVMV

RXD50HVMV RXD60HVMV RXD71HVMV

Table of Contents

1.	Outer Panels	2
2.	Outdoor Fan / Fan Motor	
3.	PCBs / Electrical Box	6
4.	Reactor	11
5.	Thermistors / Sound Blankets	12
6.	Four Way Valve	14
	Electronic Expansion Valve	
8.	Compressor	18



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

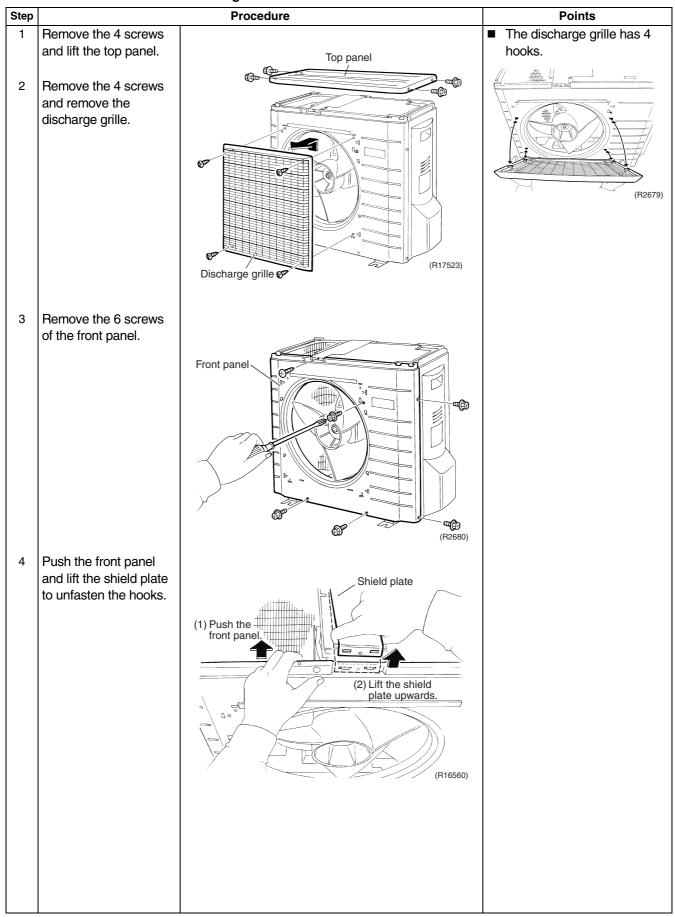
Outer Panels Si001270EB

1. Outer Panels

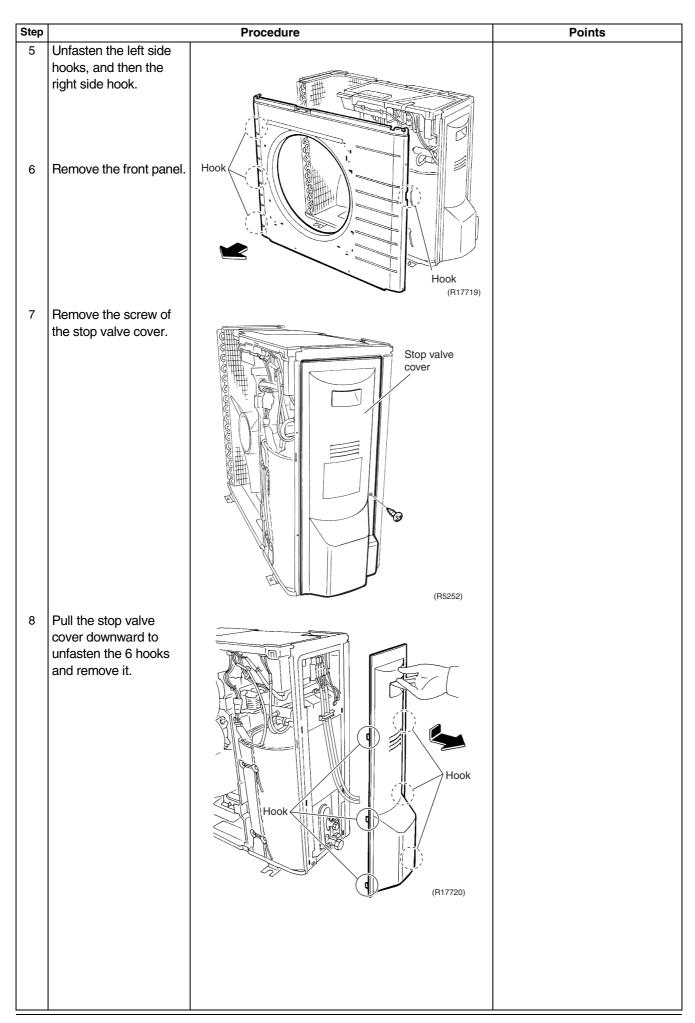


Warning

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



Si001270EB Outer Panels



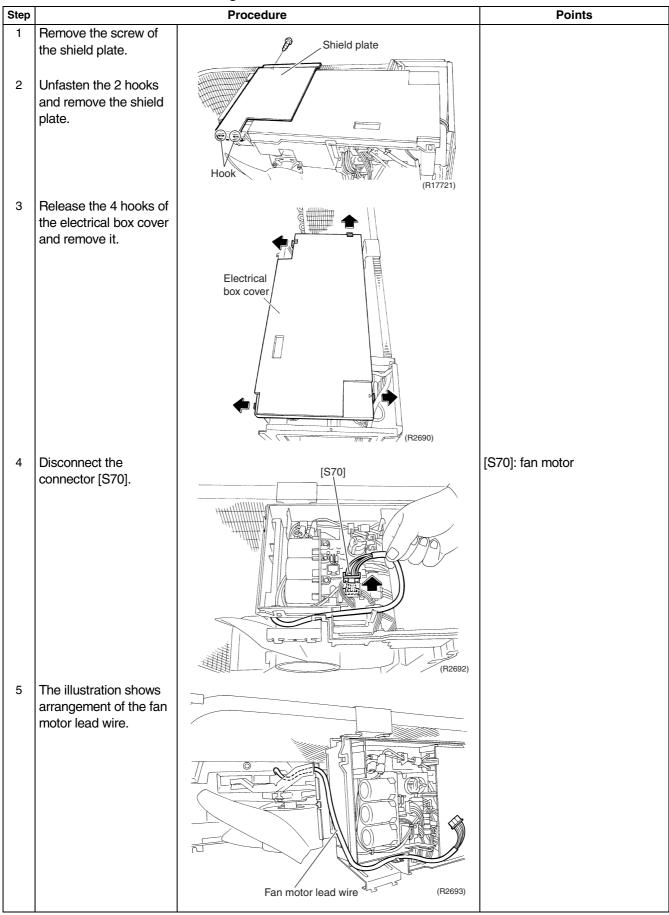
Outdoor Fan / Fan Motor Si001270EB

2. Outdoor Fan / Fan Motor

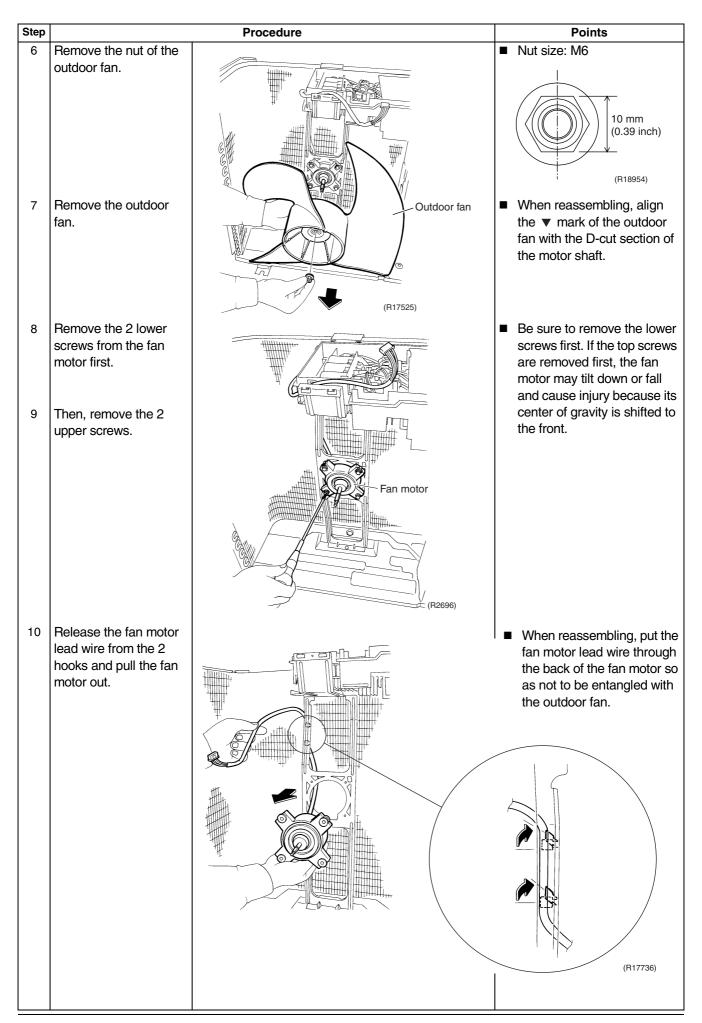


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Si001270EB Outdoor Fan / Fan Motor



PCBs / Electrical Box Si001270EB

3. PCBs / Electrical Box

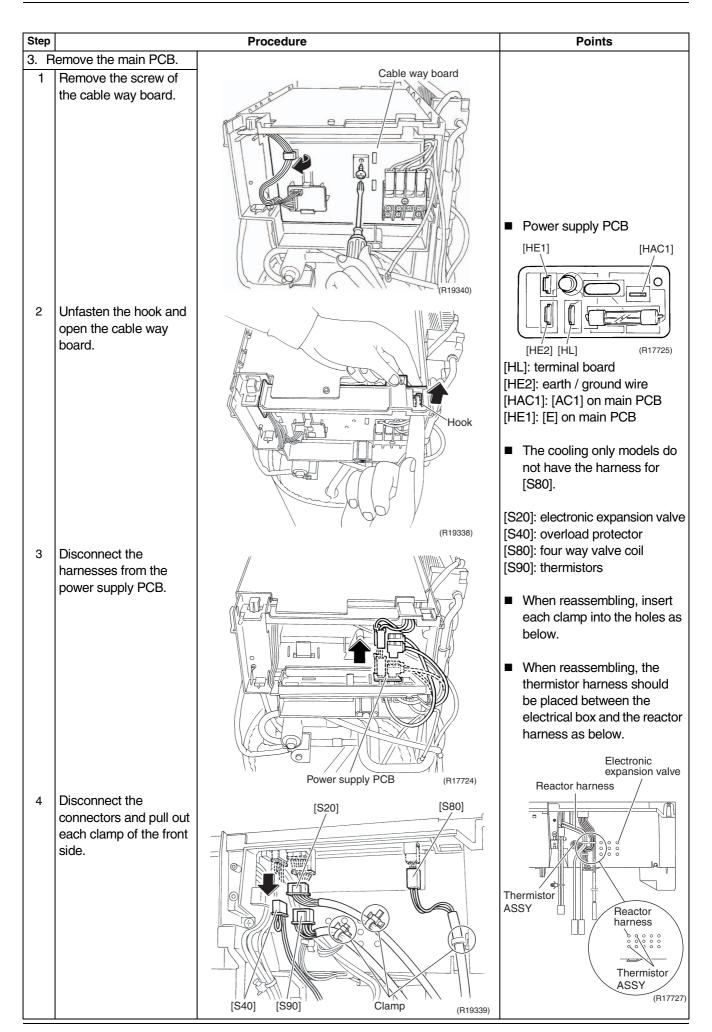


Warning

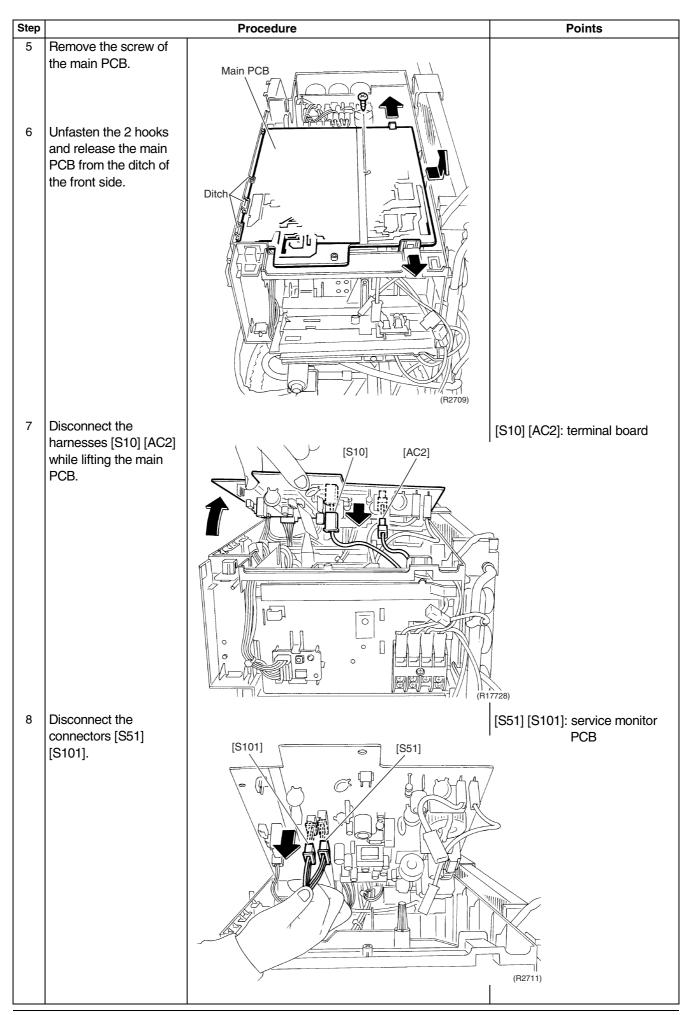
• Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

Step Procedure **Points** 1. Remove the right side Terminal board panel. Remove the 4 screws and disconnect the connecting wire and the power supply wire. Remove the 2 screws 2 Earth / ground and detach the earth / ground wires. (R19203) Connecting Power supply wire wire Remove the screw of ■ When reassembling, insert 3 the electrical box. the upper hook and the 2 lower hooks back into place. 4 Remove the 3 screws of the right side panel. Hook Remove the right side panel. Right side panel (R17526) 2. Remove the service [S52]: [S51] on main PCB monitor PCB. [S102]: [S101] on main PCB Release the harness from the hook. Disconnect the connectors [S52] [S102] from the service monitor PCB. Remove the service 3 monitor PCB. Service monitor PCB

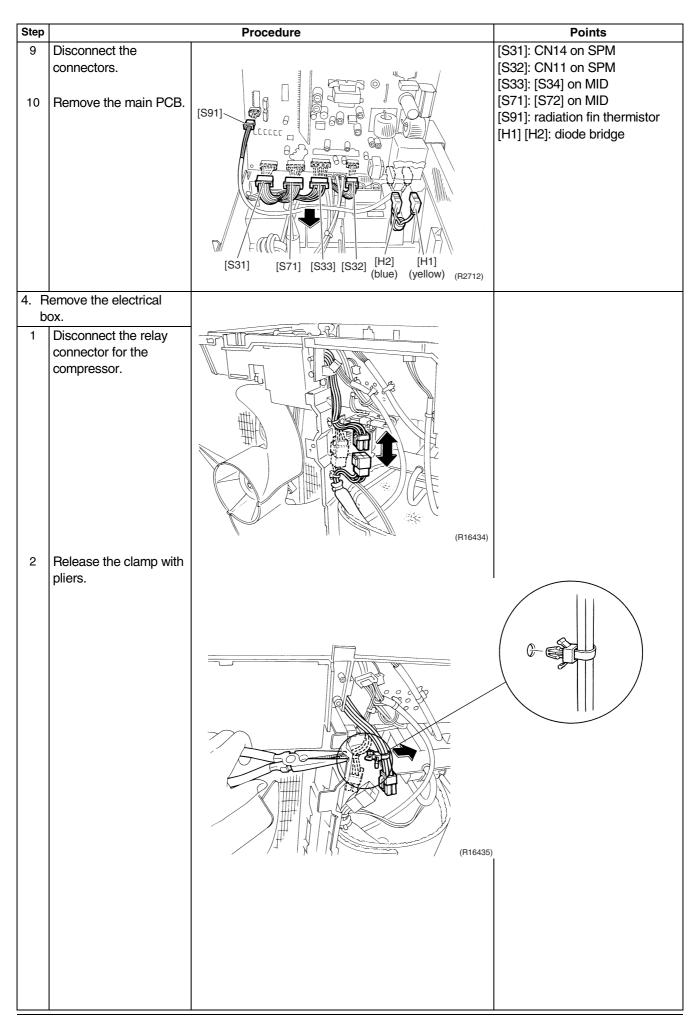
Si001270EB PCBs / Electrical Box



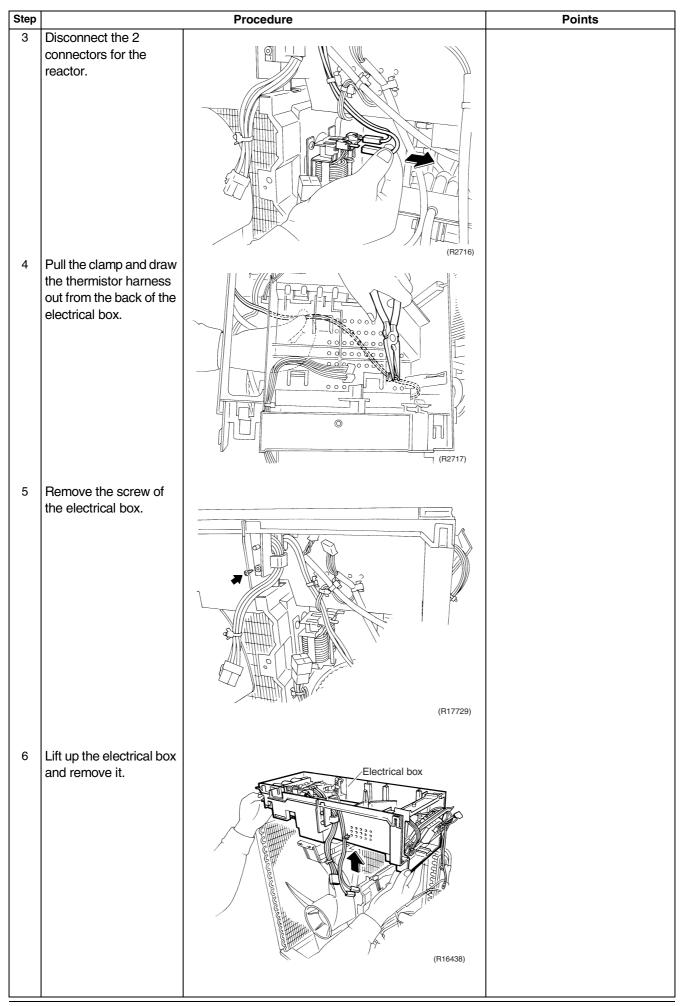
PCBs / Electrical Box Si001270EB



Si001270EB PCBs / Electrical Box



PCBs / Electrical Box Si001270EB



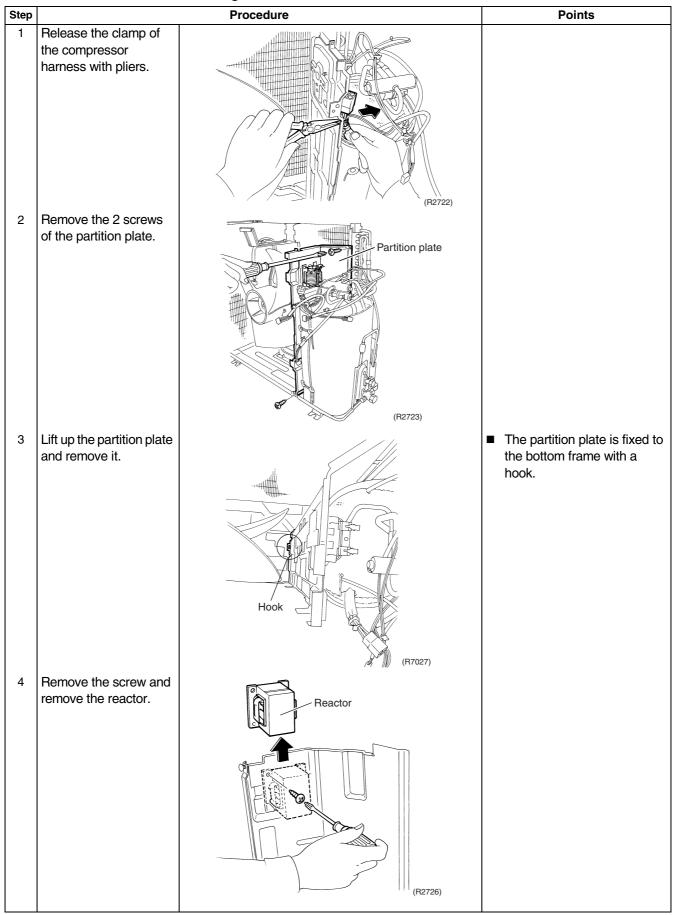
Si001270EB Reactor

4. Reactor



Warning

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

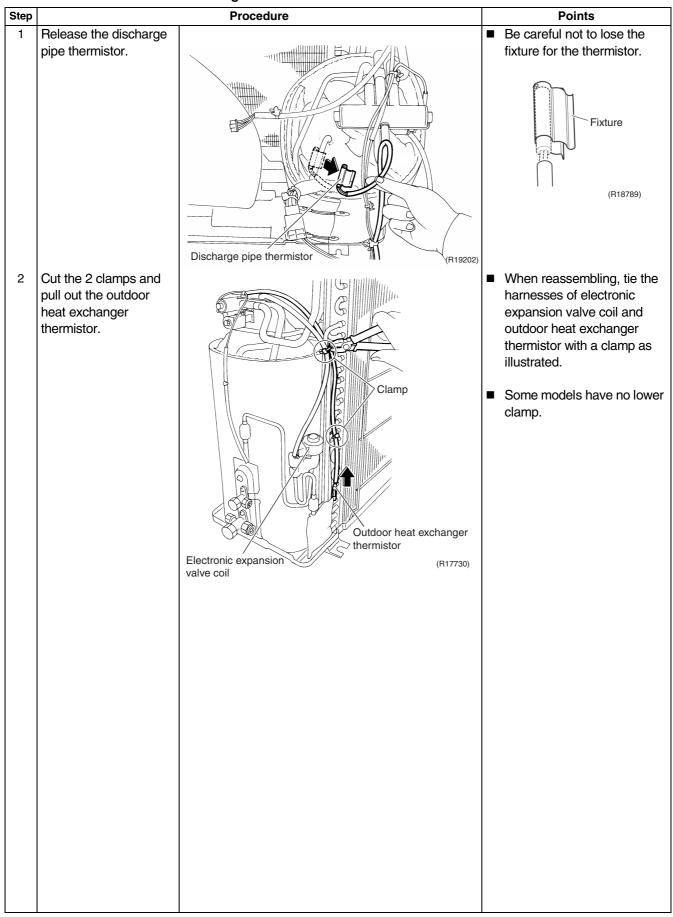


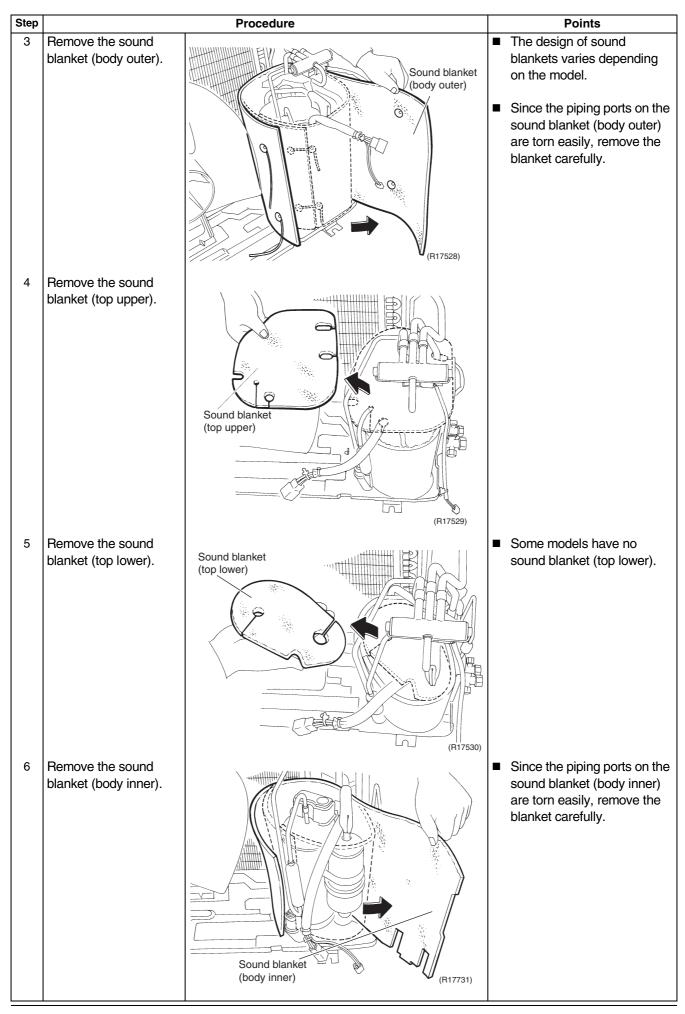
5. Thermistors / Sound Blankets



Warning

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Four Way Valve Si001270EB

6. 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.)

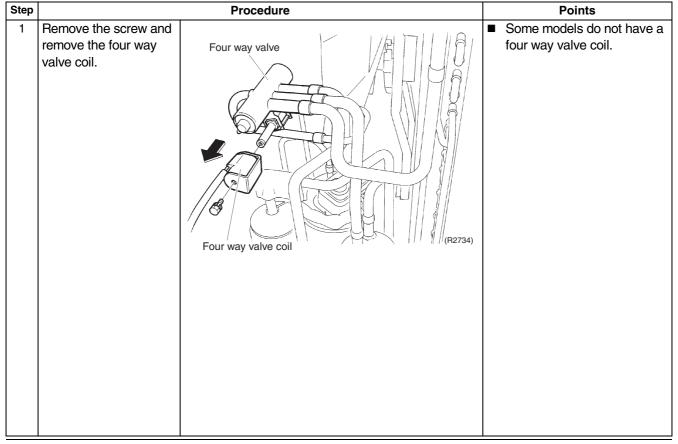


Caution

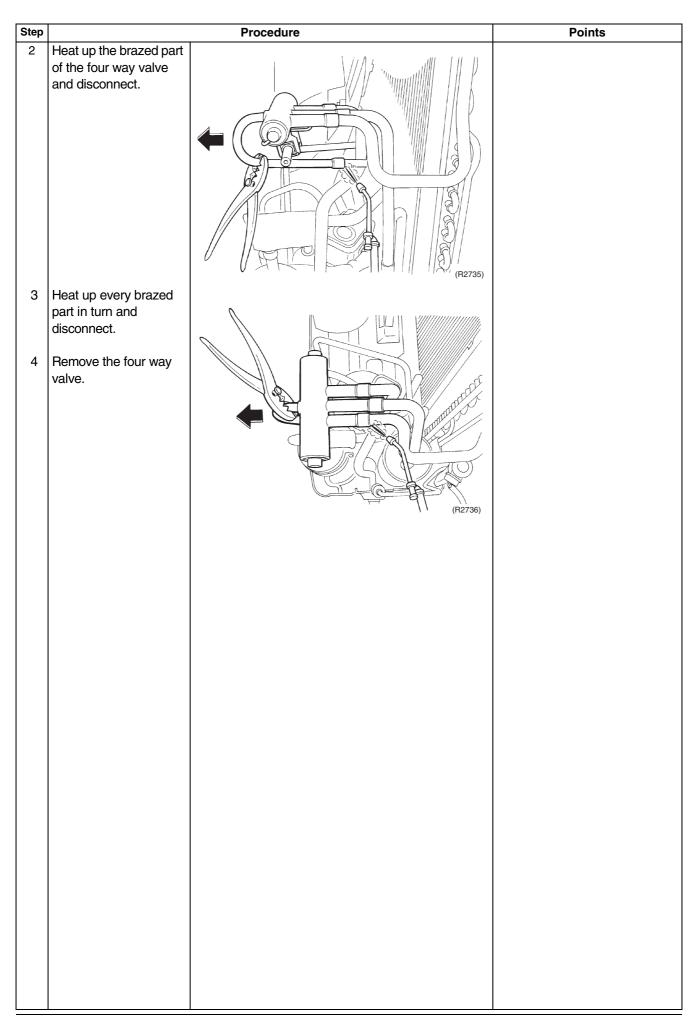
- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- · Cautions for restoration
 - 1. Restore the piping by non-oxidation brazing.
 - It is required to prevent the carbonization of the oil inside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



Si001270EB Four Way Valve



7. Electronic Expansion Valve



Warning

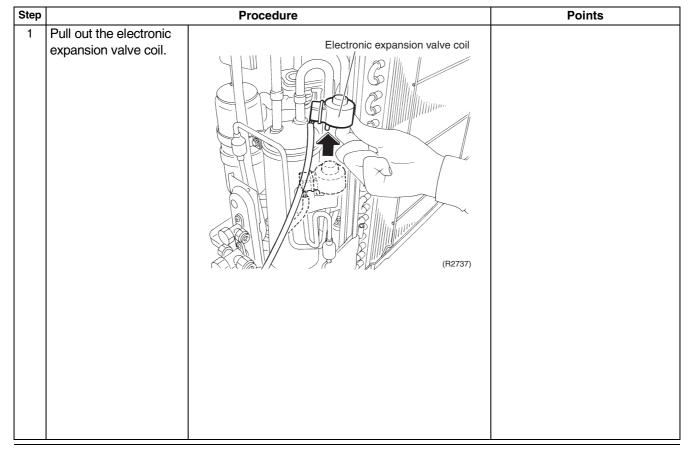
- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
- If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant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

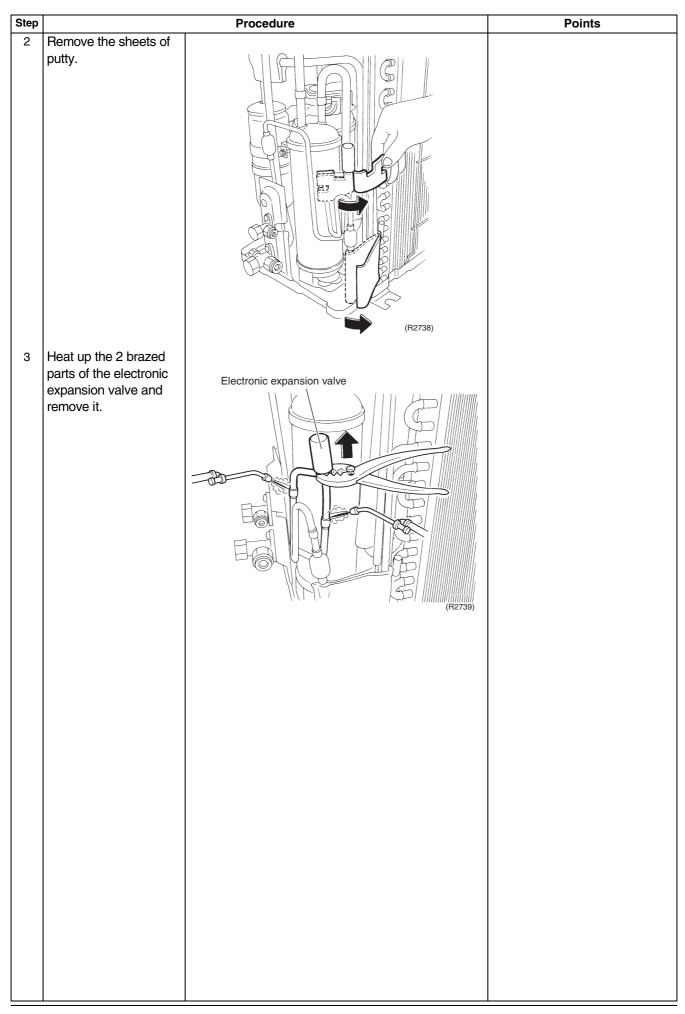


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Compressor Si001270EB

8. Compressor



Warning

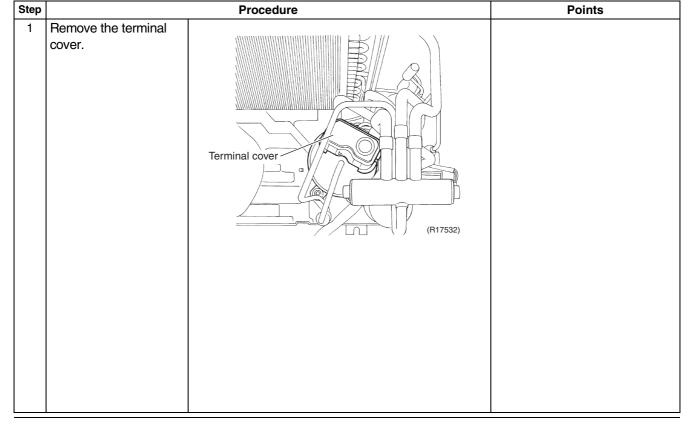
- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
- If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant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



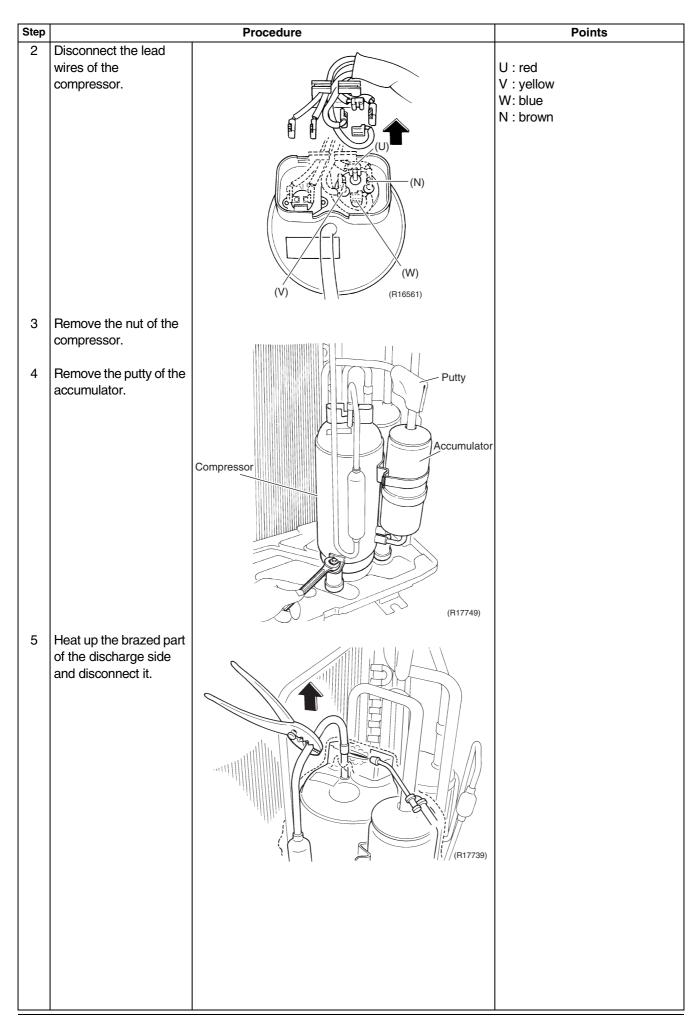
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Si001270EB Compressor



Compressor Si001270EB

Step		Procedure	Points
6	Heat up the brazed part of the suction side and disconnect it.		
7	of the suction side and disconnect it. Lift the compressor up and remove it.	(R2745)	

Revision History

Month / Year	Version	Revised contents
09 / 2012	Si001270	First edition
08 / 2013	Si001270EA	Model addition: RXD50/60/71HVMV
04 / 2014	Si001270EB	Model addition: RKD50/60/71HVMV



- 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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