



SERVICE MANUAL

4.2/5.0/6.0 kW Class 18000/24000 Btu/h Class





Inverter



Pair Type



Service Manual Removal Procedure

Outdoor Unit

Cooling Only

ARKC18RV2S ARKC24RV2S

RKC18NV2S RKC24NV2S

RKC50NVM RKC60NVM

RKC50NVM4

RKC60NVM4

RKC50NVMV

RKC60NVMV

RKJ18NV1S

RKJ42NVMG

RKJ50NVM

RKJ50NVM4 RKJ50NVMV

RKM18NV2S

RKM24NV2S

RKM50PVMG

RKM60PVMG

RKV50NVM

RKV60NVM

RKV50NVM4

RKV60NVM4

RKV50NVMV

RKV60NVMV

Table of Contents

1.	Outer Panels	2
2.	Outdoor Fan / Fan Motor	4
3.	Electrical Box	6
4.	PCB	10
5.	Partition Plate / Sound Blankets	12
6.	Electronic Expansion Valve	14
7.	Compressor	16

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

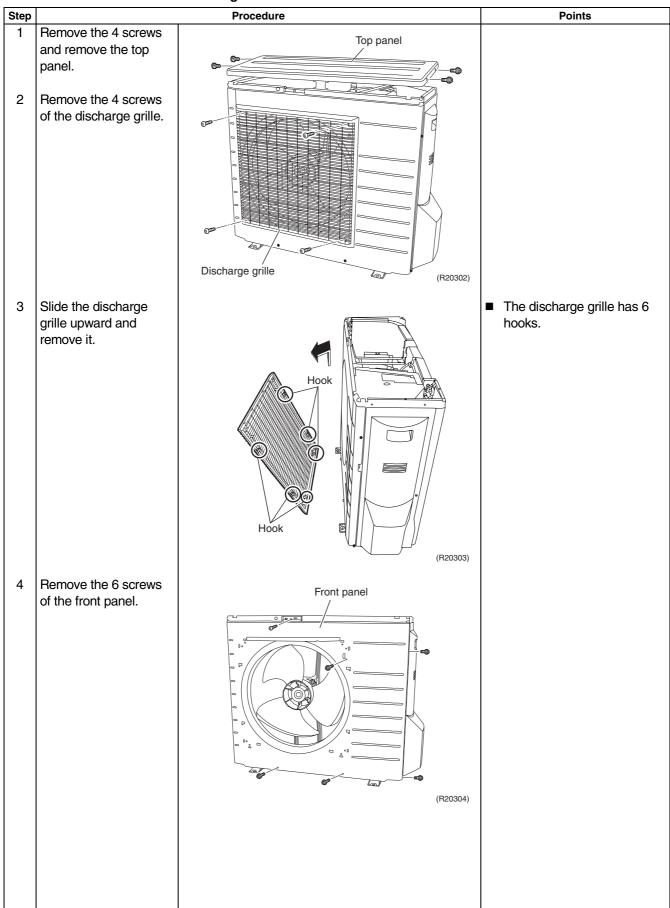
Outer Panels Si001413EB

1. Outer Panels

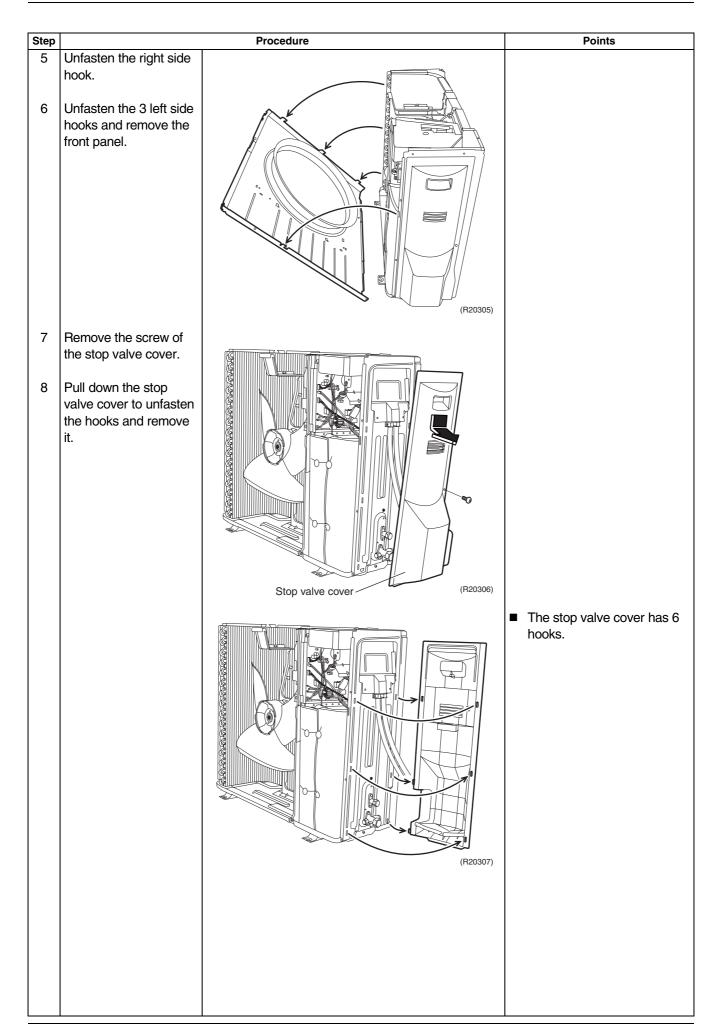


Warning

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



Si001413EB Outer Panels



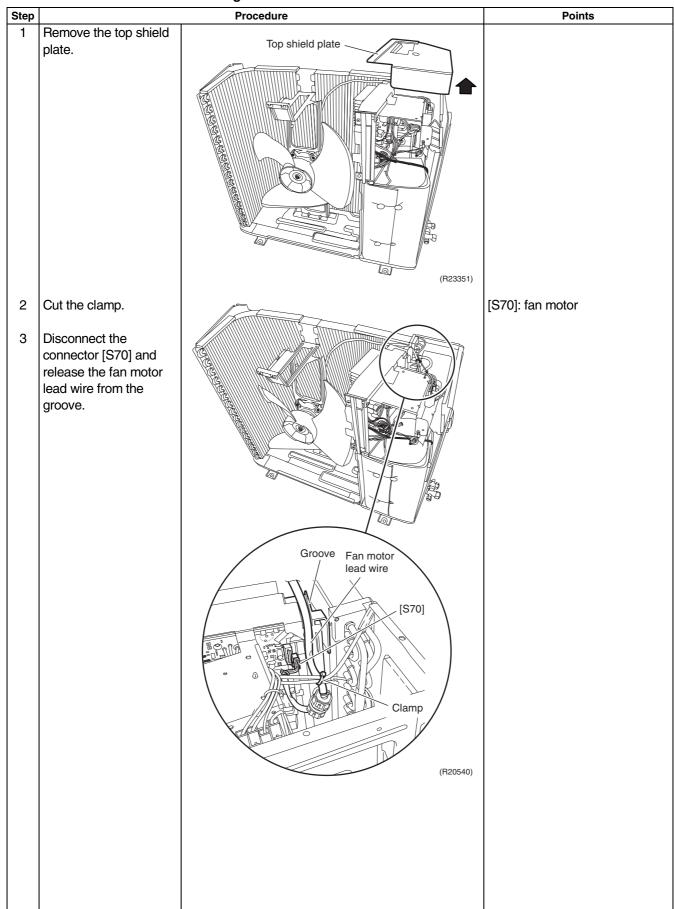
Outdoor Fan / Fan Motor Si001413EB

2. Outdoor Fan / Fan Motor

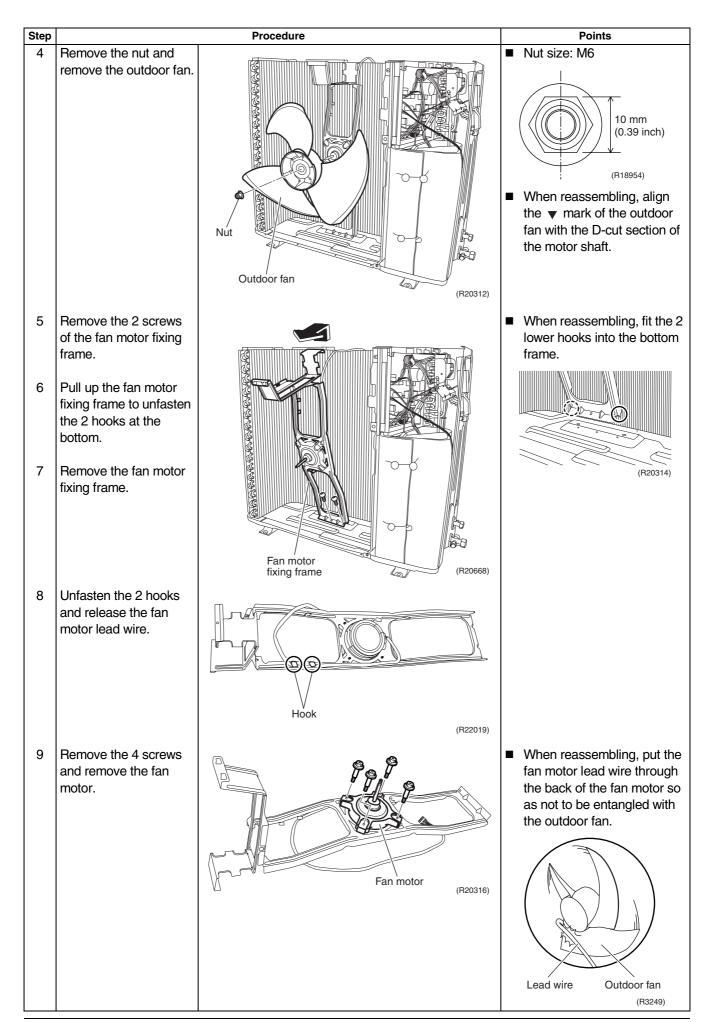


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Si001413EB Outdoor Fan / Fan Motor



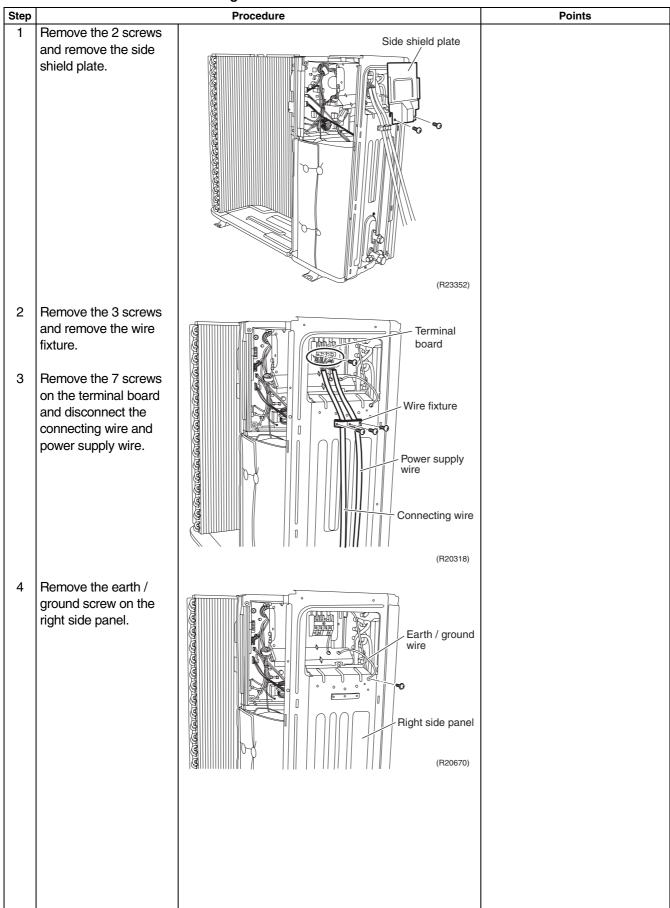
Electrical Box Si001413EB

3. Electrical Box

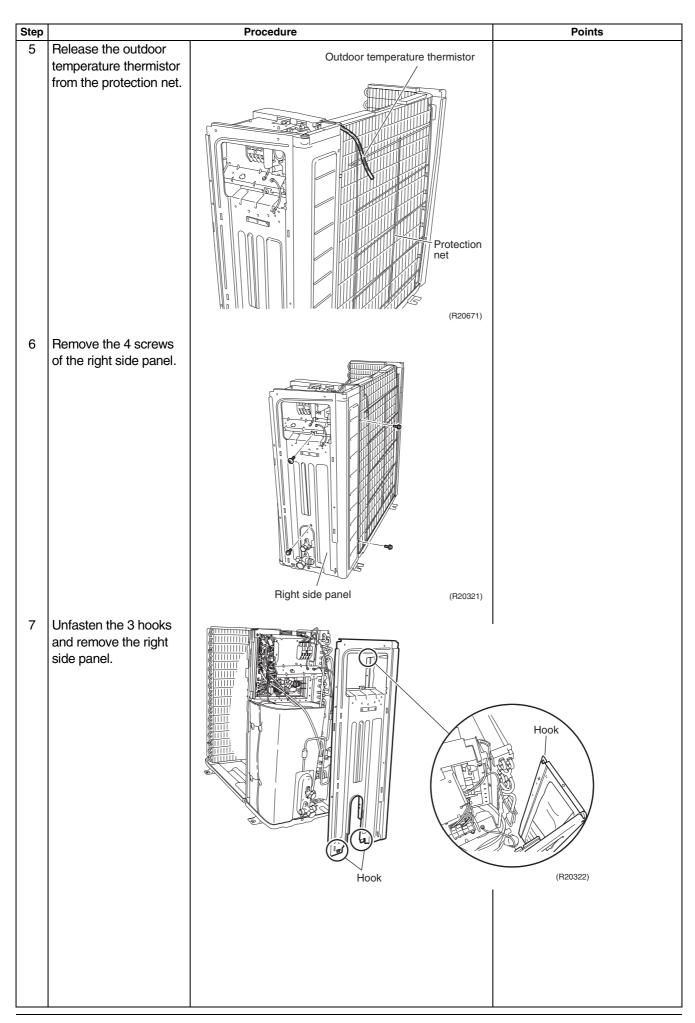


Warning

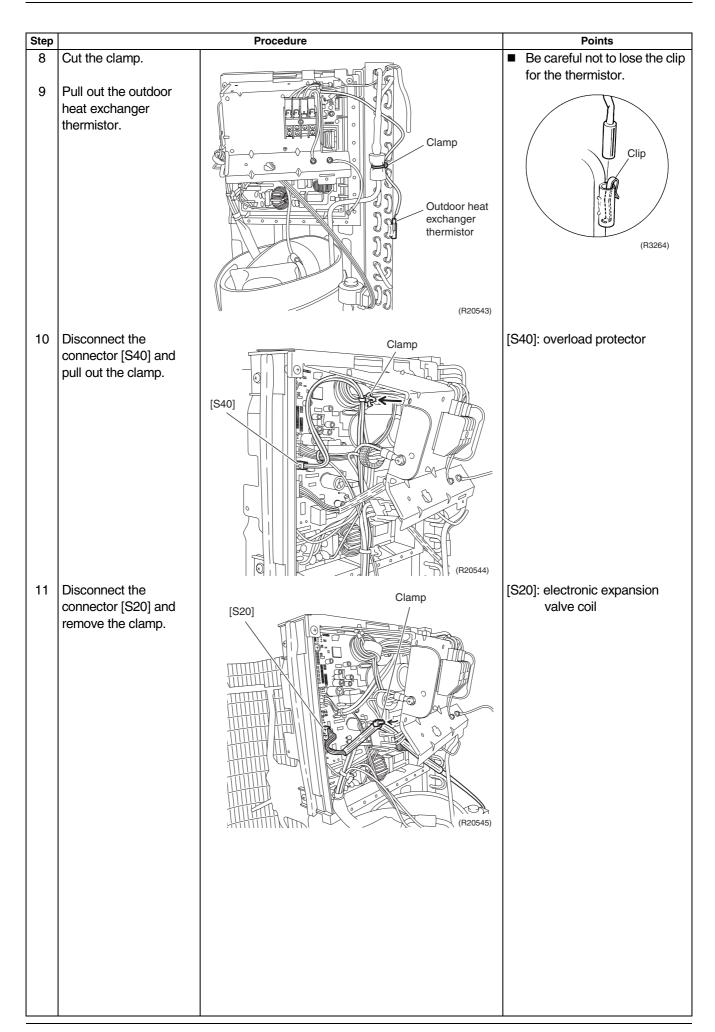
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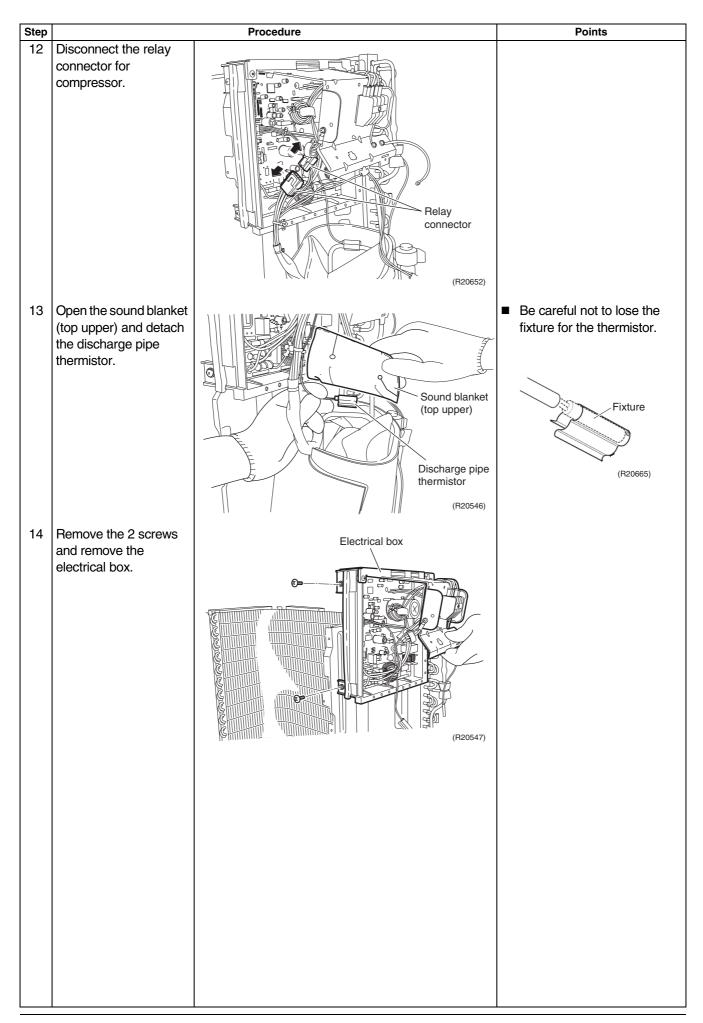
Si001413EB Electrical Box



Electrical Box Si001413EB



Si001413EB Electrical Box



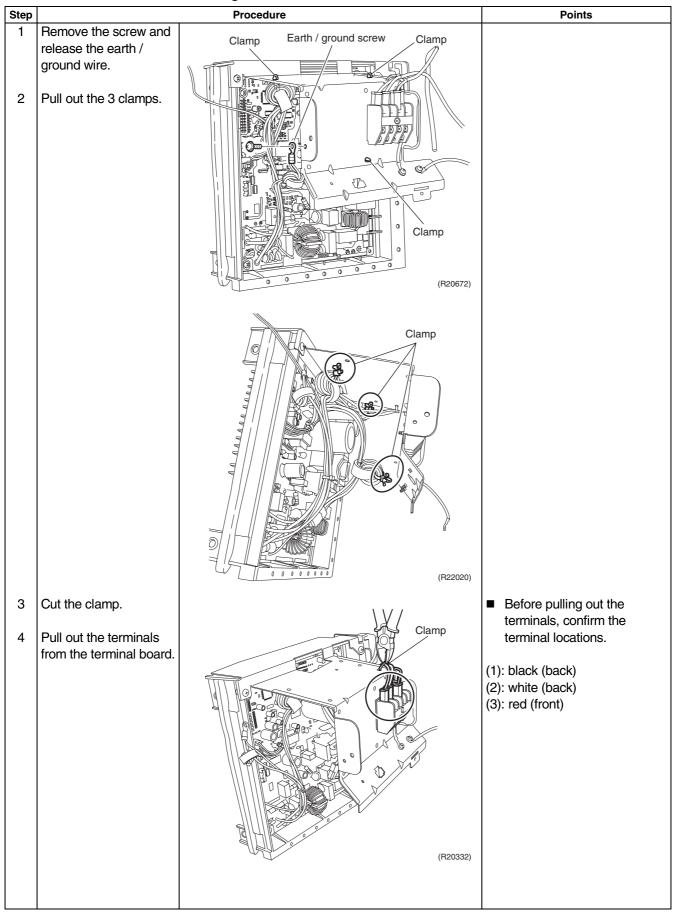
PCB Si001413EB

4. PCB

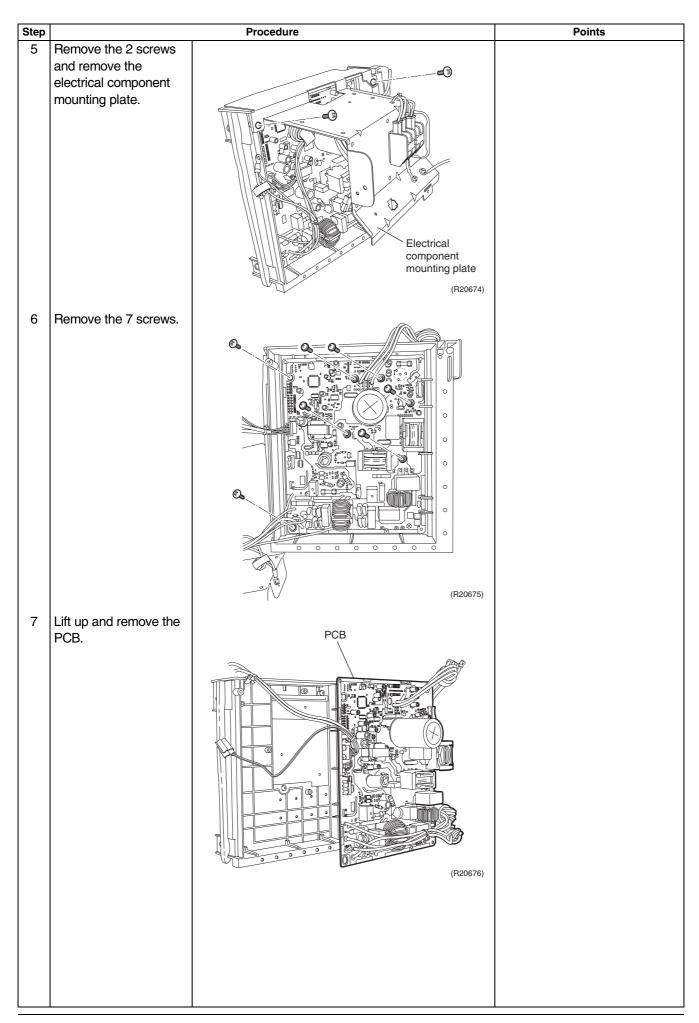


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Si001413EB PCB

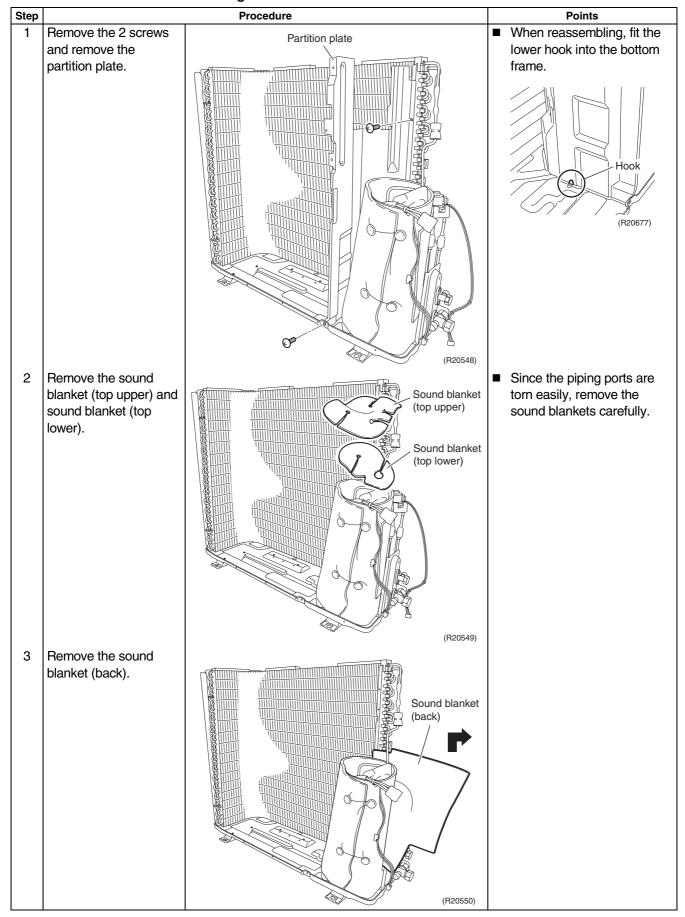


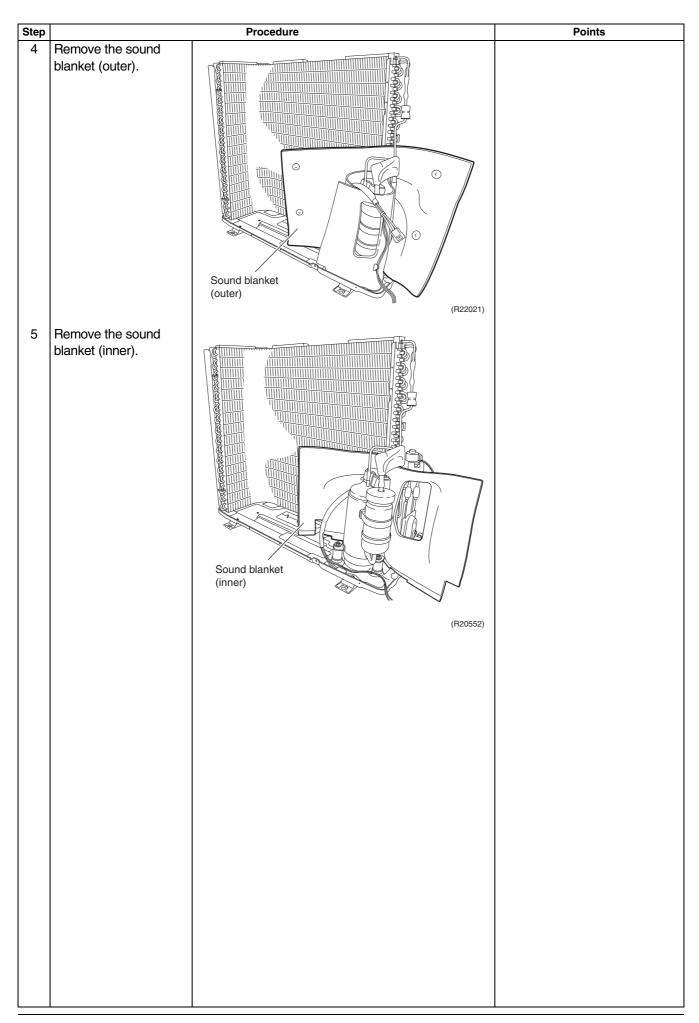
5. Partition Plate / Sound Blankets



Warning

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6. 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.)

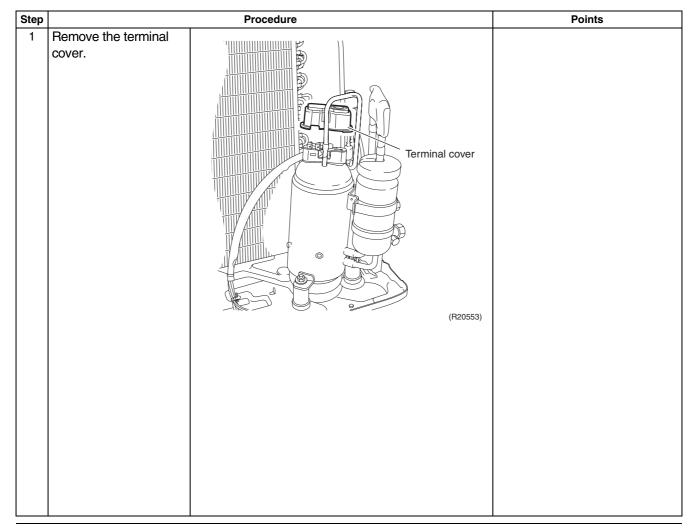


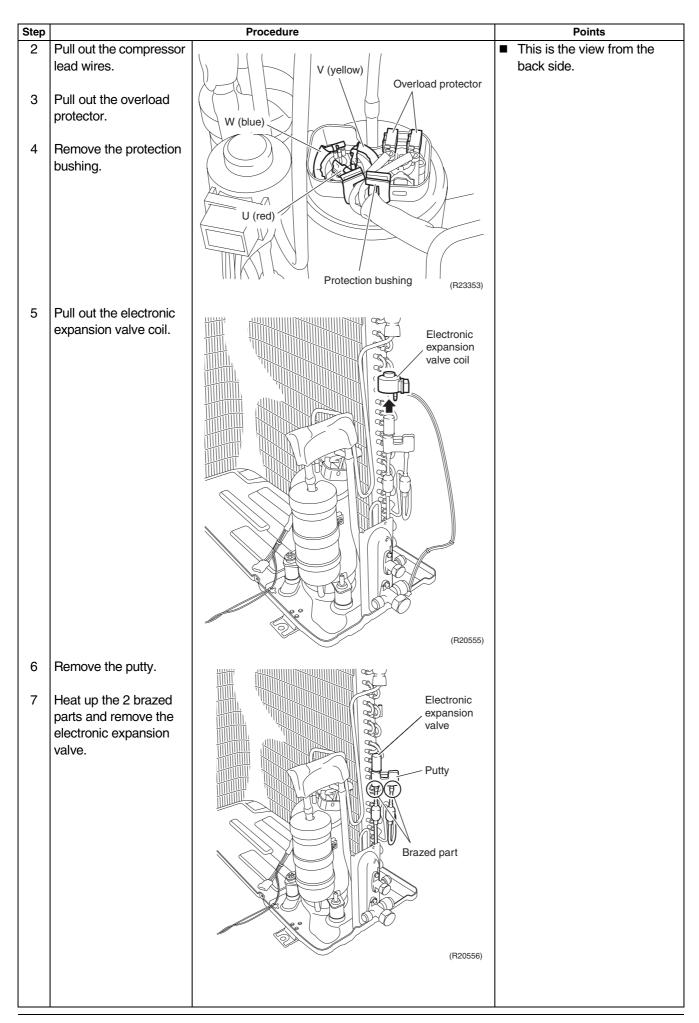
Caution

- 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.



- 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.





Compressor Si001413EB

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.

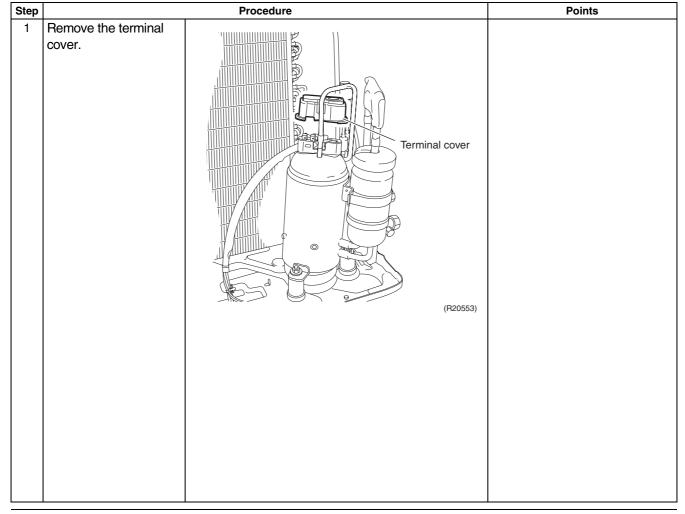


Caution

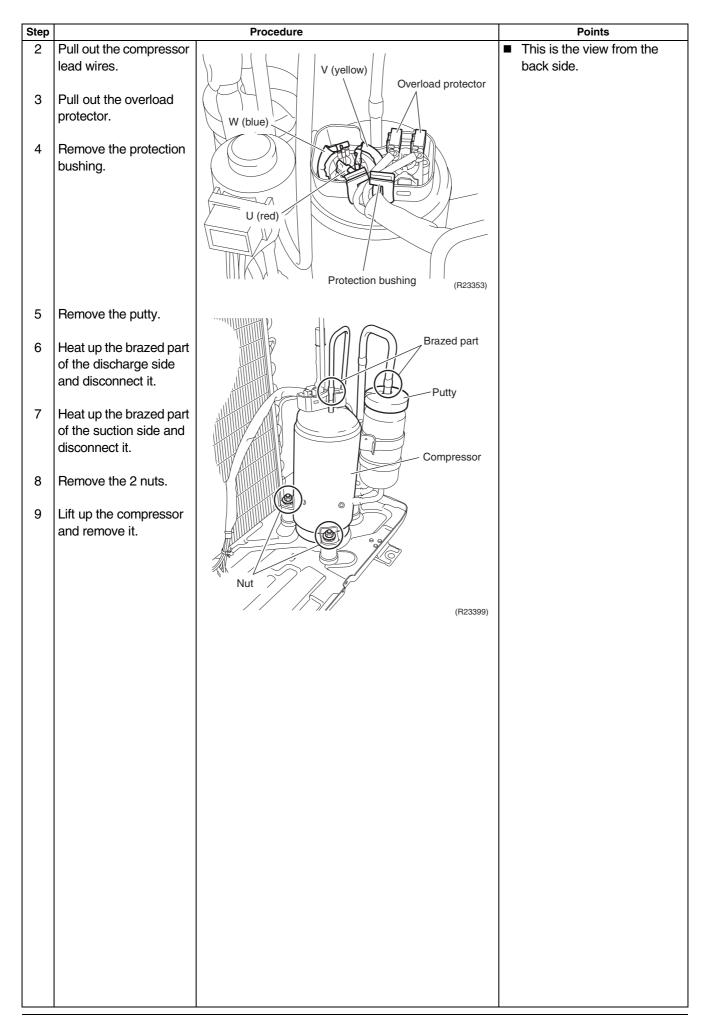
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 - 1. Disconnect the brazed part where is easy to disconnect and restore.
 - 2. Cut pipes on the main unit with a tube cutter in order to make it easy to disconnect.



Si001413EB Compressor



Revision History

Month / Year	Version	Revised contents
08 / 2014	Si001413E	First edition
05 / 2015	Si001413EA	Model addition: RKJ18NV1S, RKJ42NVMG, RKJ50NVM, RKJ50NVM4, RKJ50NVMV, RKM50/60PVMG
04 / 2016	Si001413EB	Model addition: ARKC18/24RV2S



- 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/

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