



#### SERVICE WANUAL

## 5.0 kW Class



Inverter

Pair Type



# Service Manual Removal Procedure

## **Outdoor Unit**

●Cooling Only RKC50NRV16

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

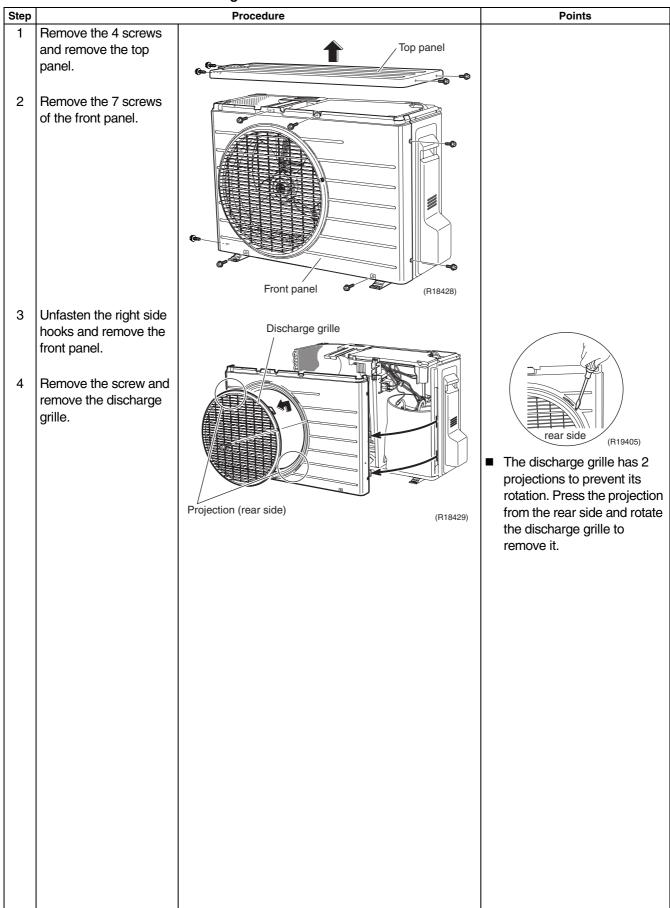
Outer Panels Si001268E

#### 1. Outer Panels



Warning

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



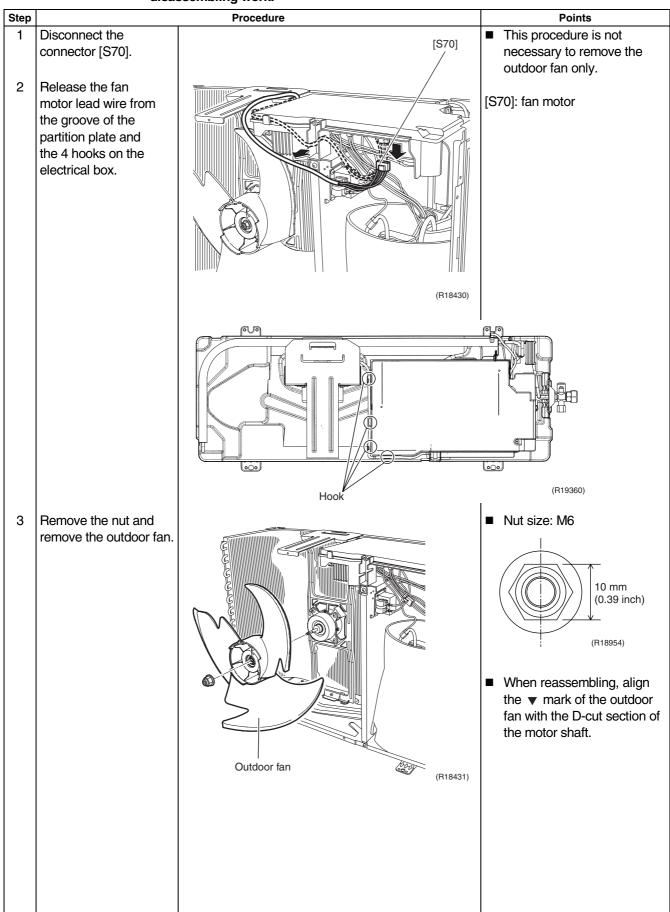
Si001268E Outdoor Fan / Fan Motor

#### 2. Outdoor Fan / Fan Motor

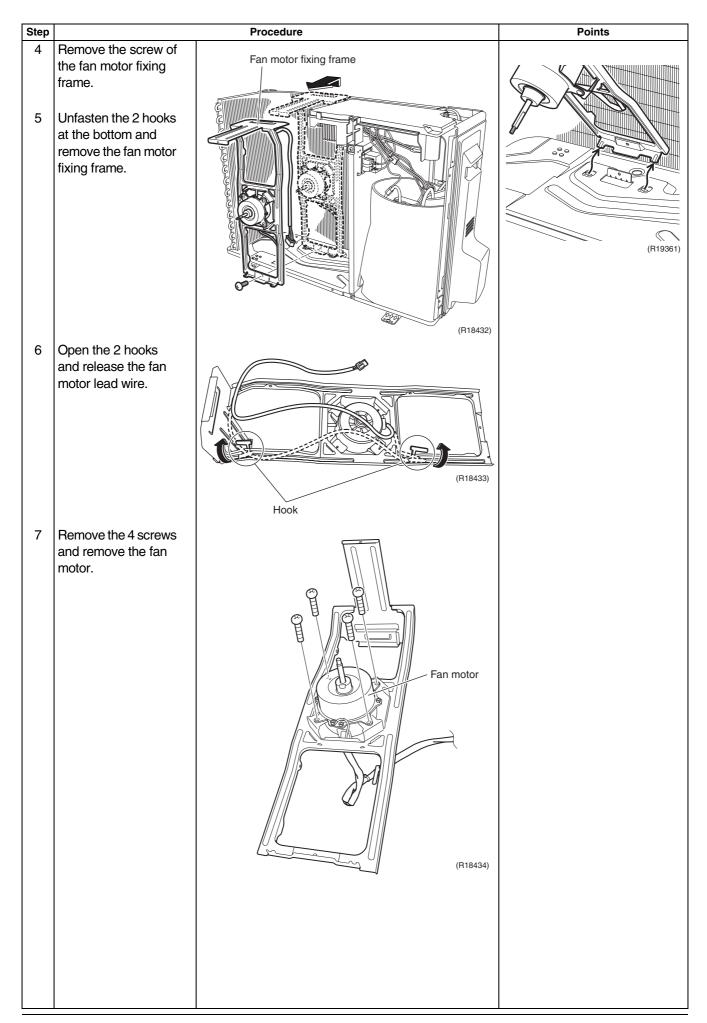


Warning

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Outdoor Fan / Fan Motor Si001268E



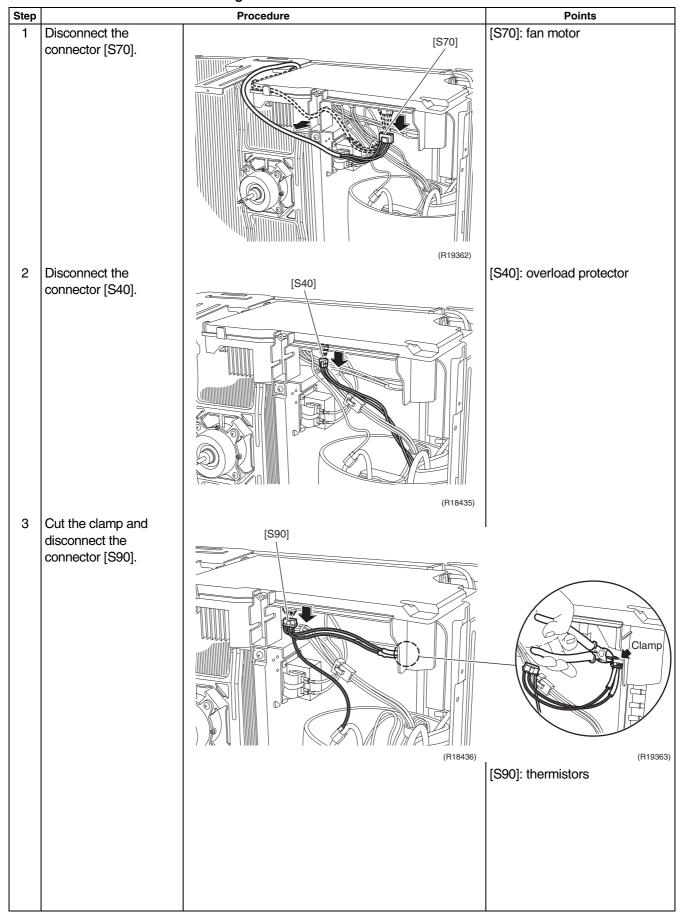
Si001268E Electrical Box

### 3. Electrical Box

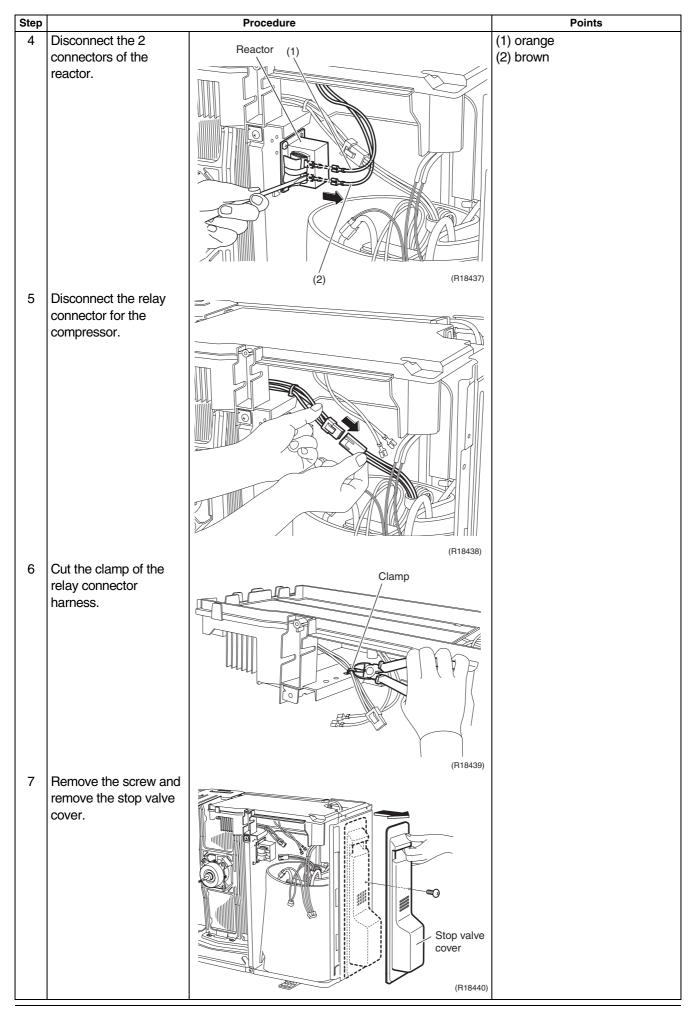


Warning

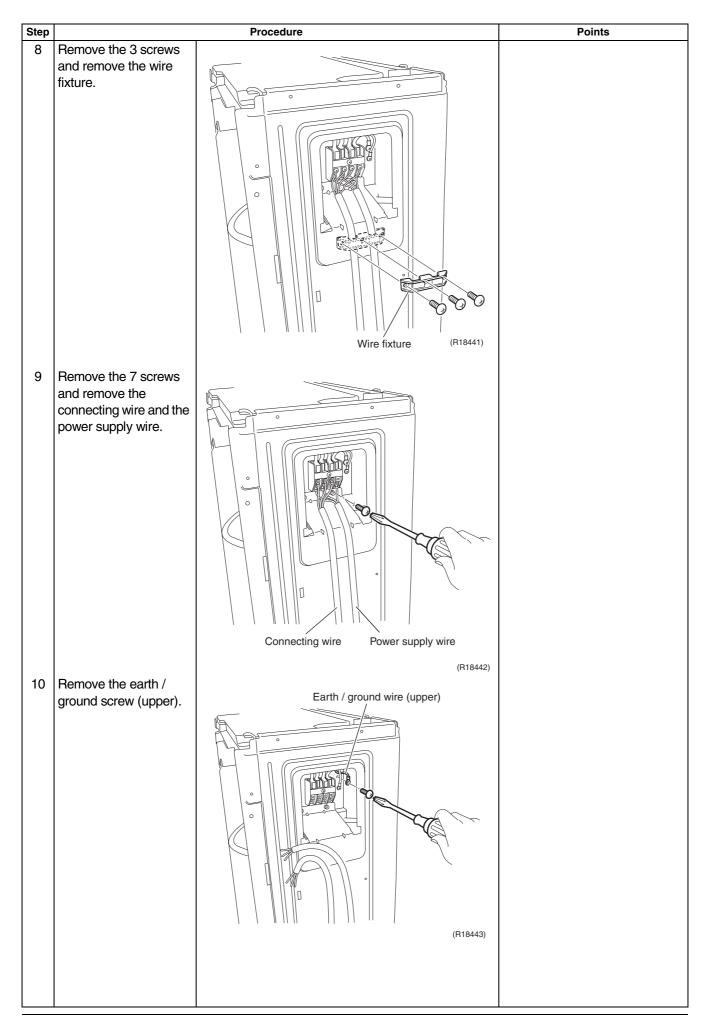
• Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



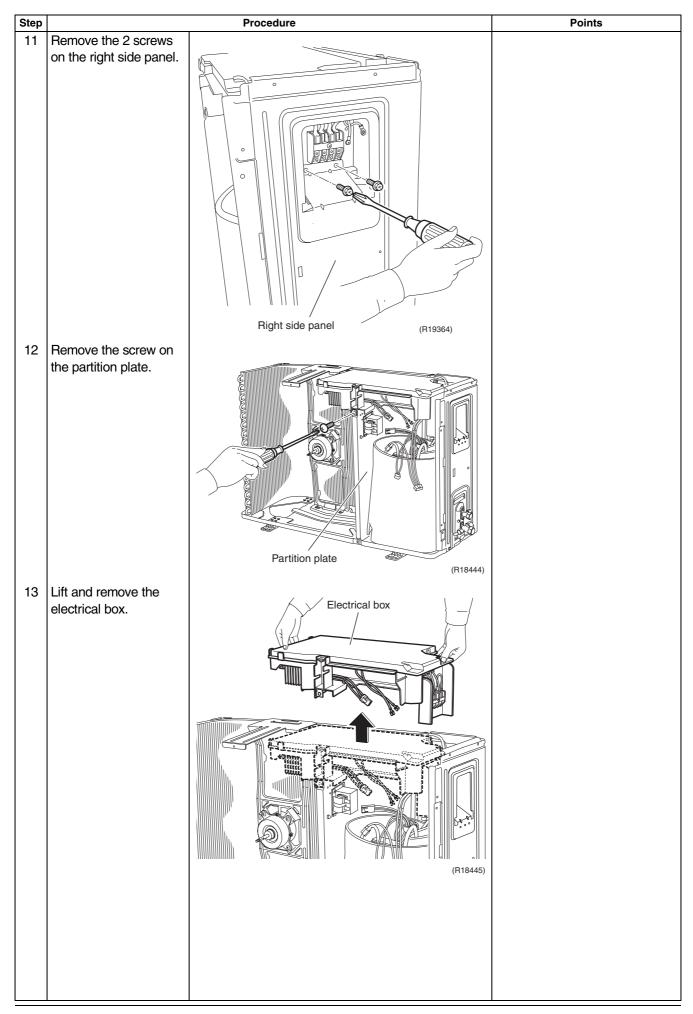
Electrical Box Si001268E



Si001268E Electrical Box



Electrical Box Si001268E



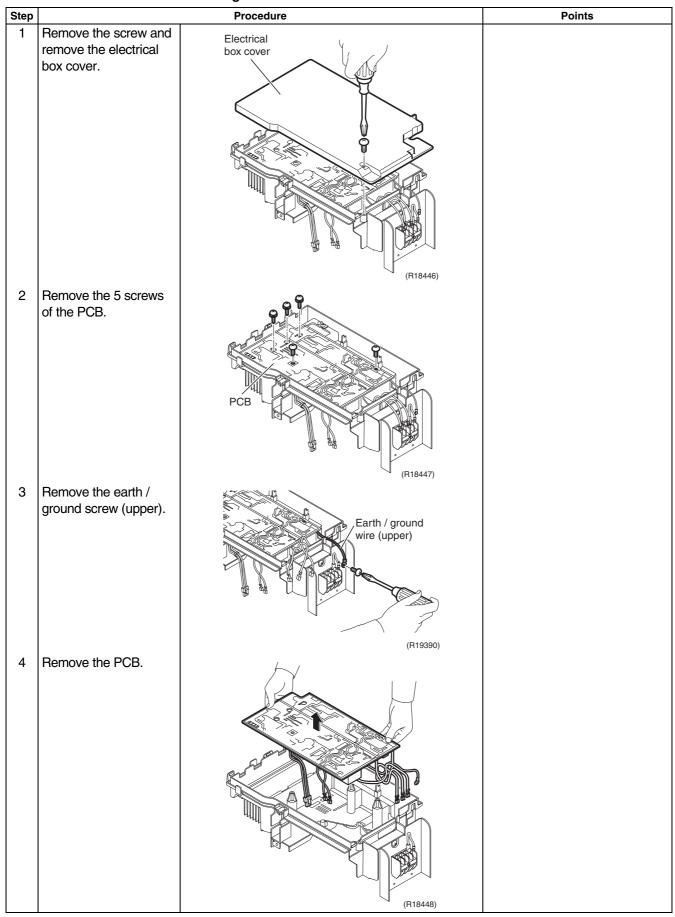
Si001268E PCB

### 4. PCB



Warning

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



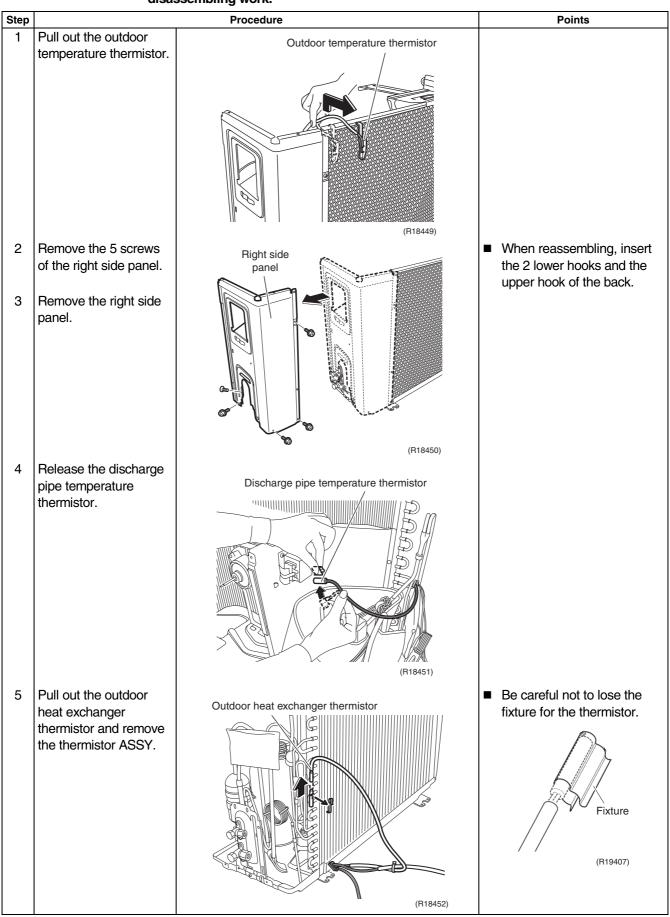
Thermistor ASSY Si001268E

#### 5. Thermistor ASSY



Warning

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



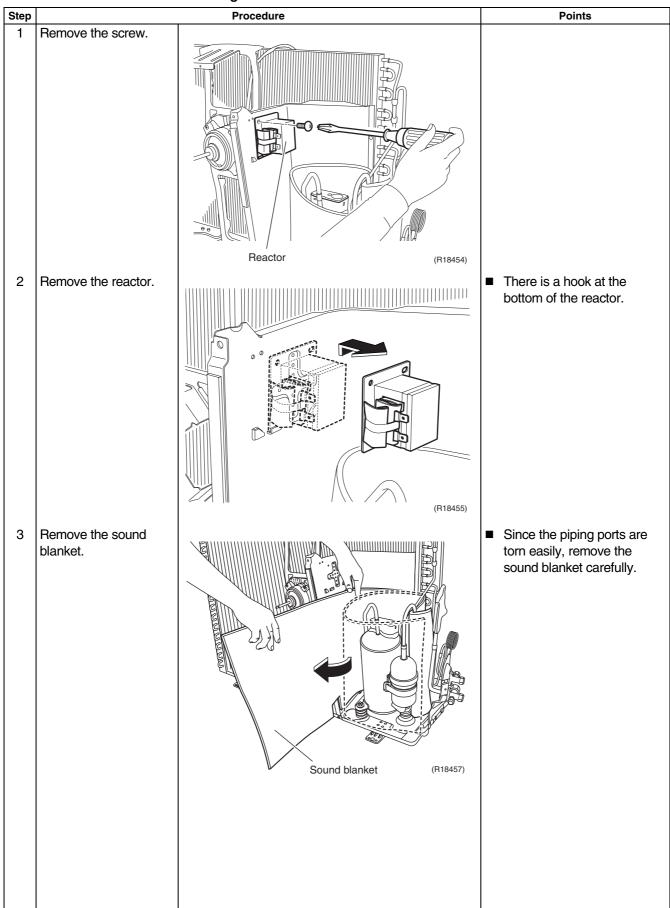
Si001268E Reactor / Sound Blanket

### 6. Reactor / Sound Blanket



Warning

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



Capillary Tube Si001268E

### 7. Capillary Tube



Warning

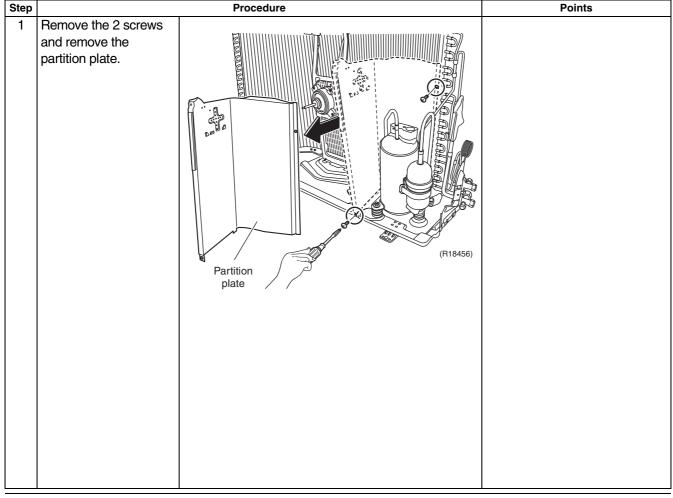
- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
- If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant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



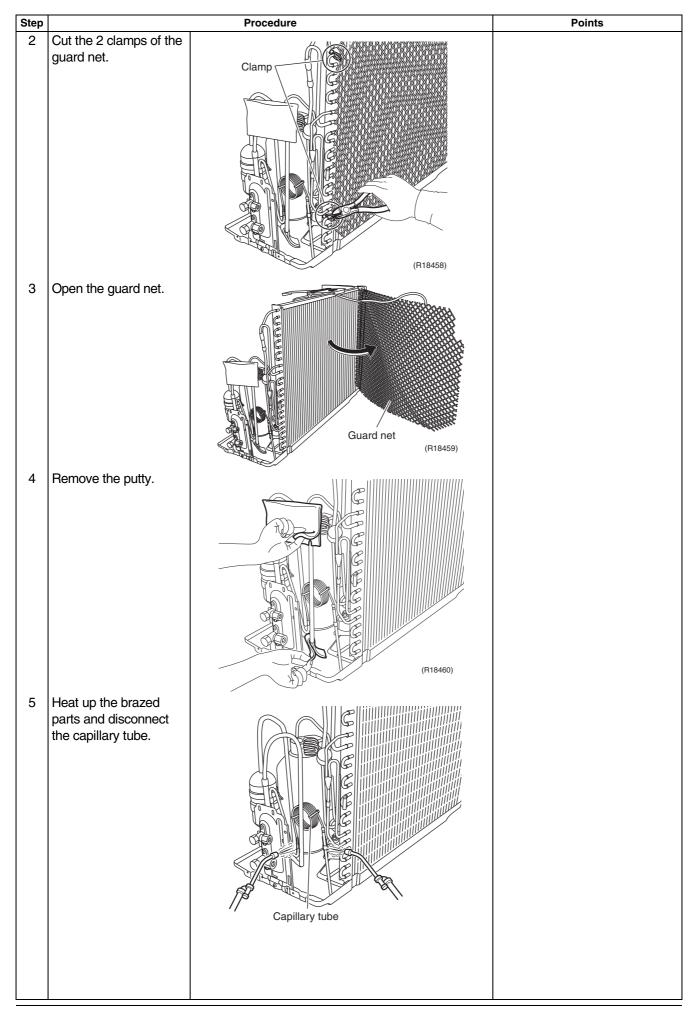
- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- · Restore the piping by non-oxidation brazing.



- 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.



Si001268E Capillary Tube



Compressor Si001268E

#### 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.

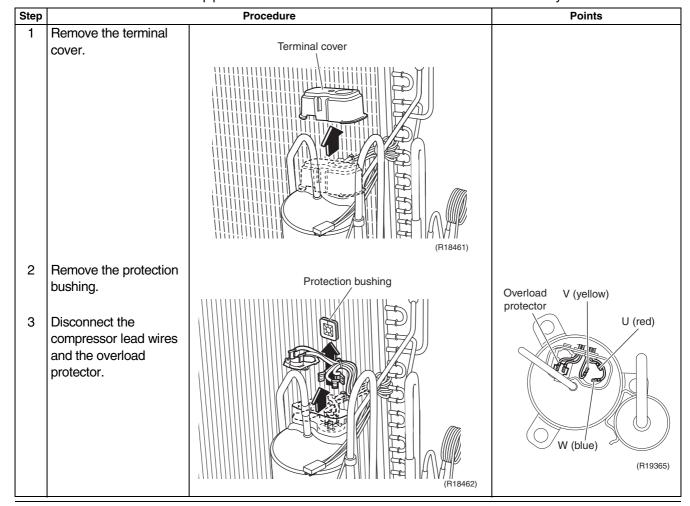


**∕ I**\ Caution

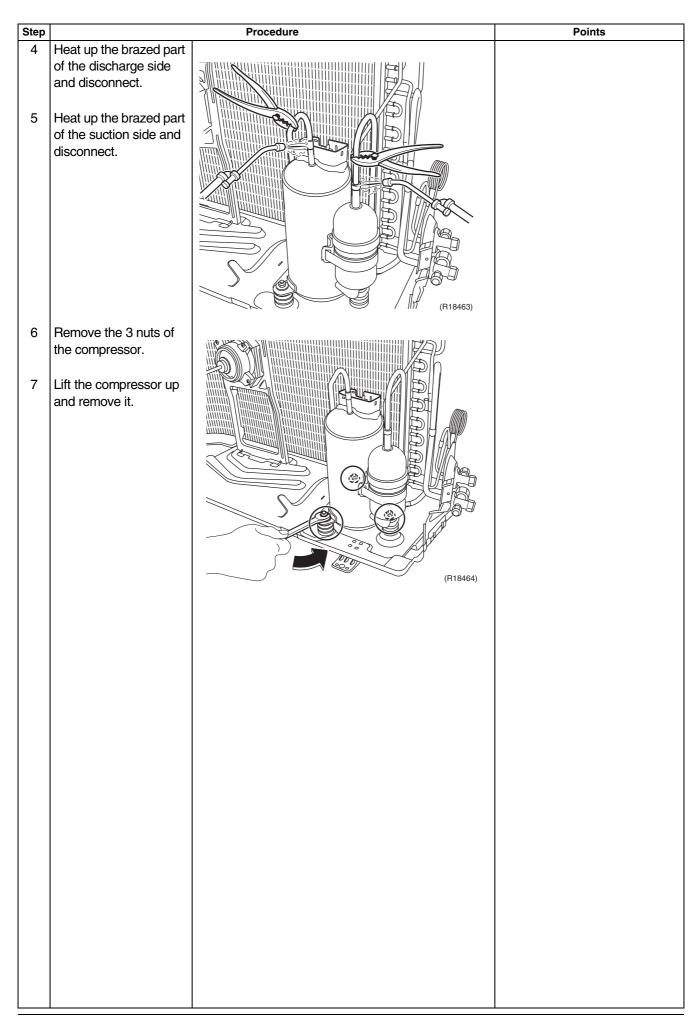
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  - 2. Cut pipes on the main unit with a tube cutter in order to make it easy to disconnect.



Si001268E Compressor



# **Revision History**

Month / Year	Version	Revised contents
09 / 2013	Si001268E	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

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