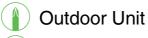




### 24000/28000 Btu/h Class





Inverter



Pair Type



# Service Manual Removal Procedure

# **Outdoor Unit**

**Applicable Models** 

●Cooling Only RKD24HV2S RKD28HV2S

# **Table of Contents**

1.	Removal of Outer Panels	2
2.	Removal of Electrical Box	15
3.	Removal of PCBs	20
4.	Removal of Fan Motor	25
5.	Removal of Electronic Expansion Valve Coil / Thermistors	26
6.	Removal of Reactor	28
7.	Removal of Sound Blankets	29
8.	Removal of Compressor	31

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

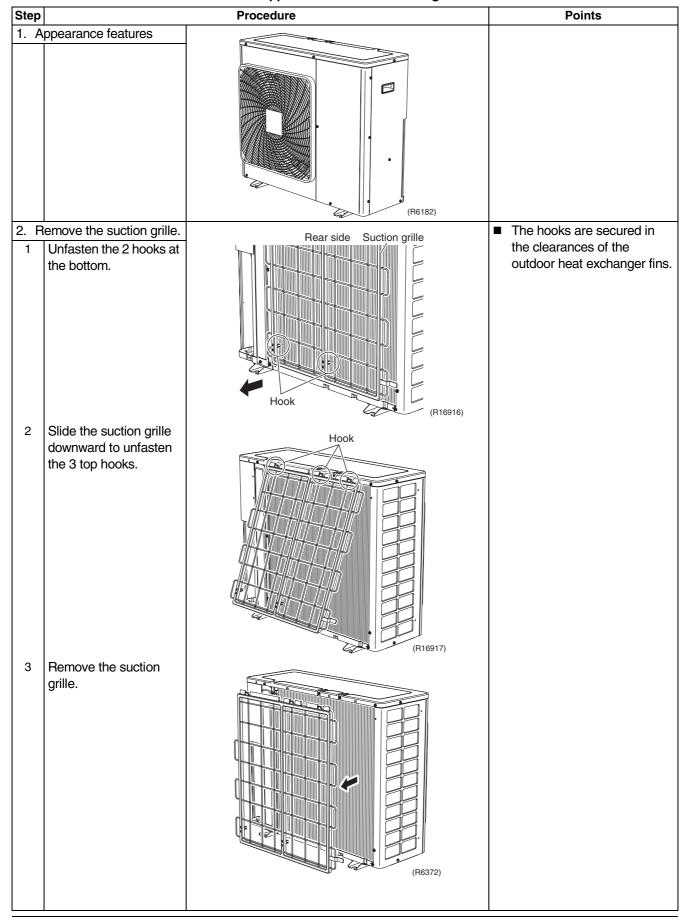
Removal of Outer Panels Si001168

### 1. Removal of Outer Panels

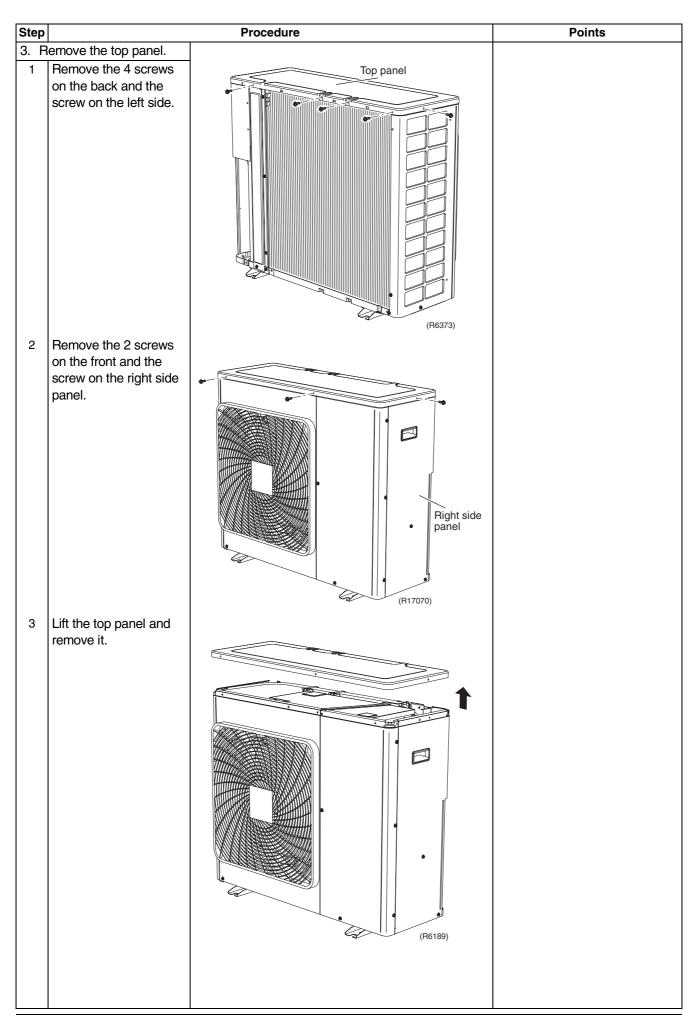
**Procedure** 

Warning

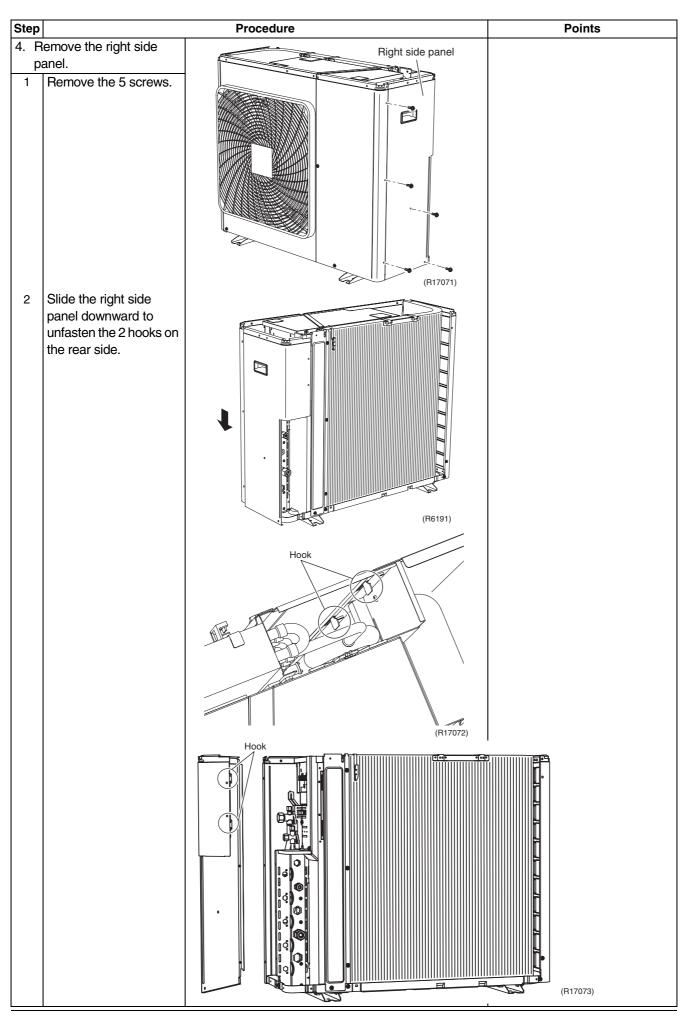
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

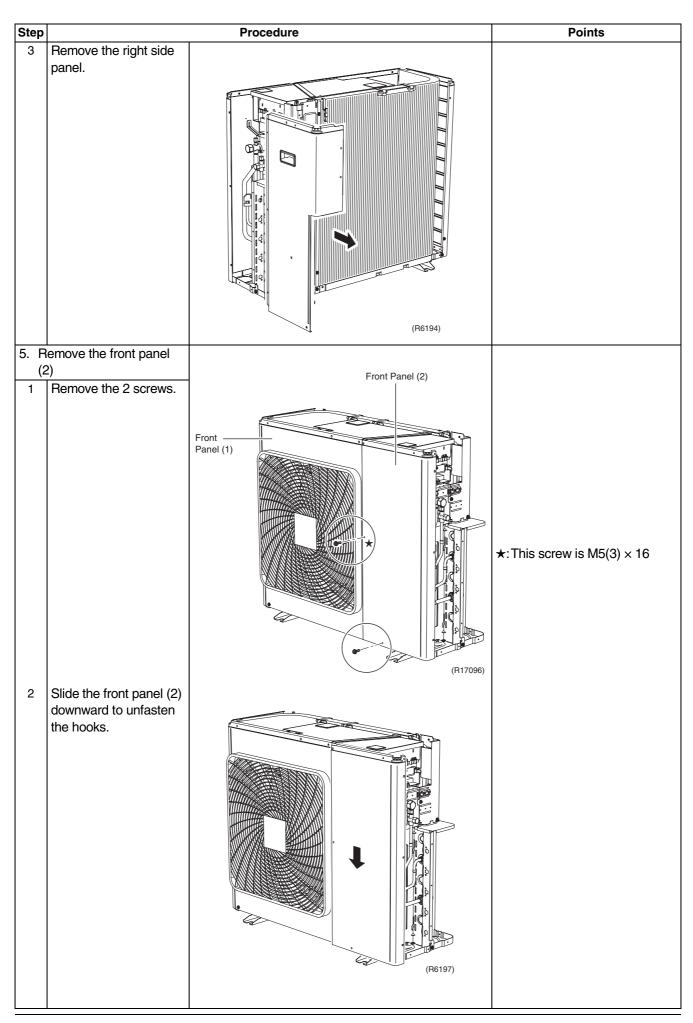


Removal of Outer Panels

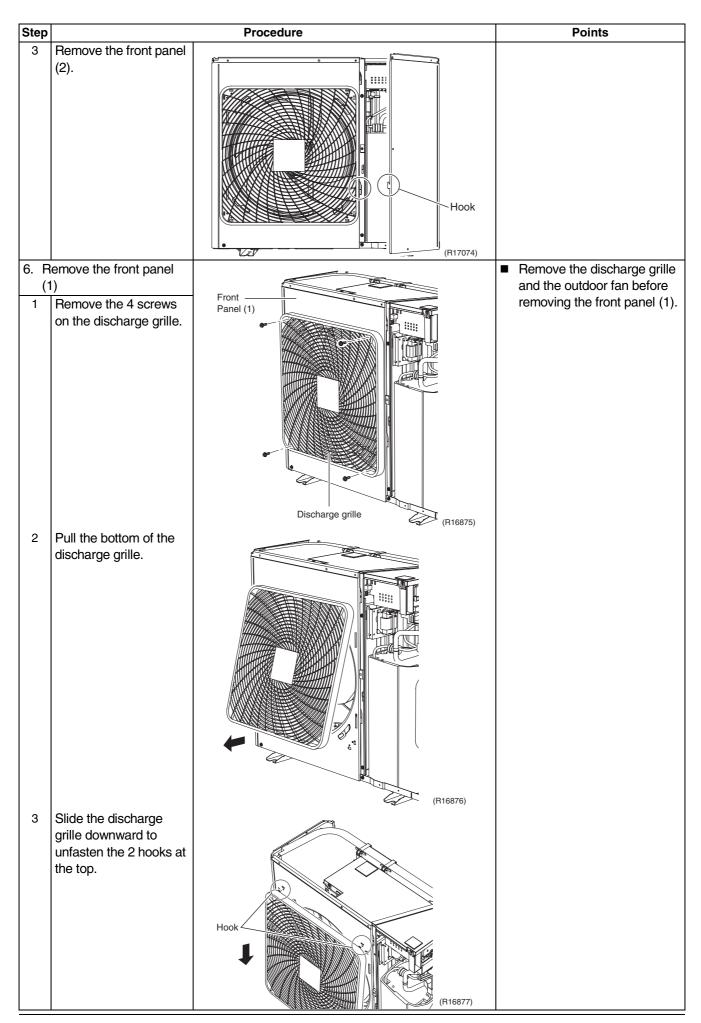


Removal of Outer Panels Si001168

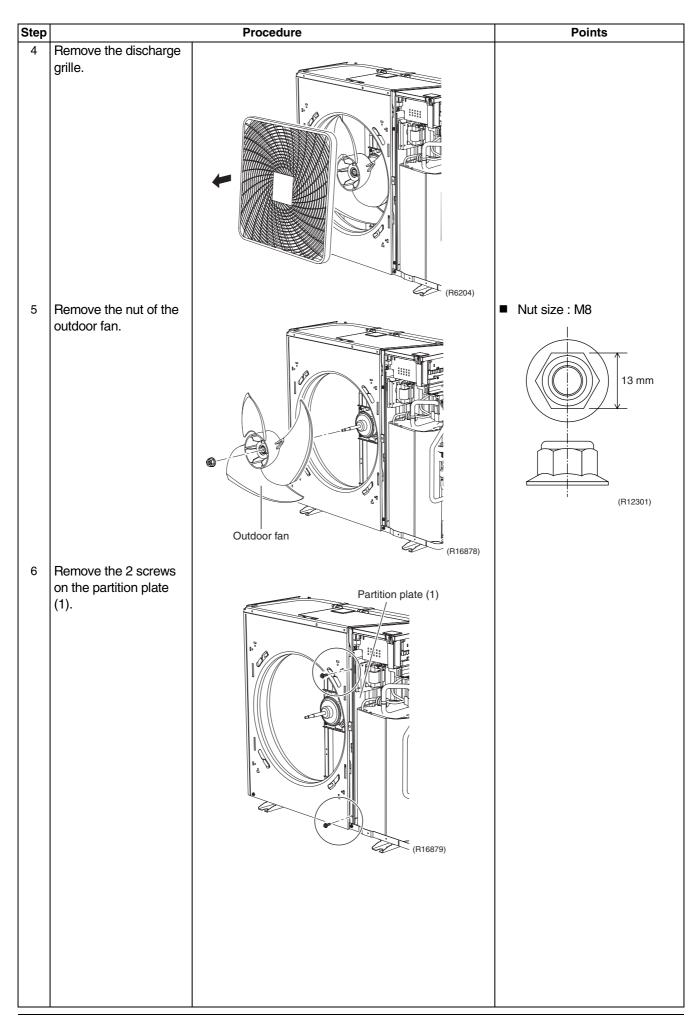




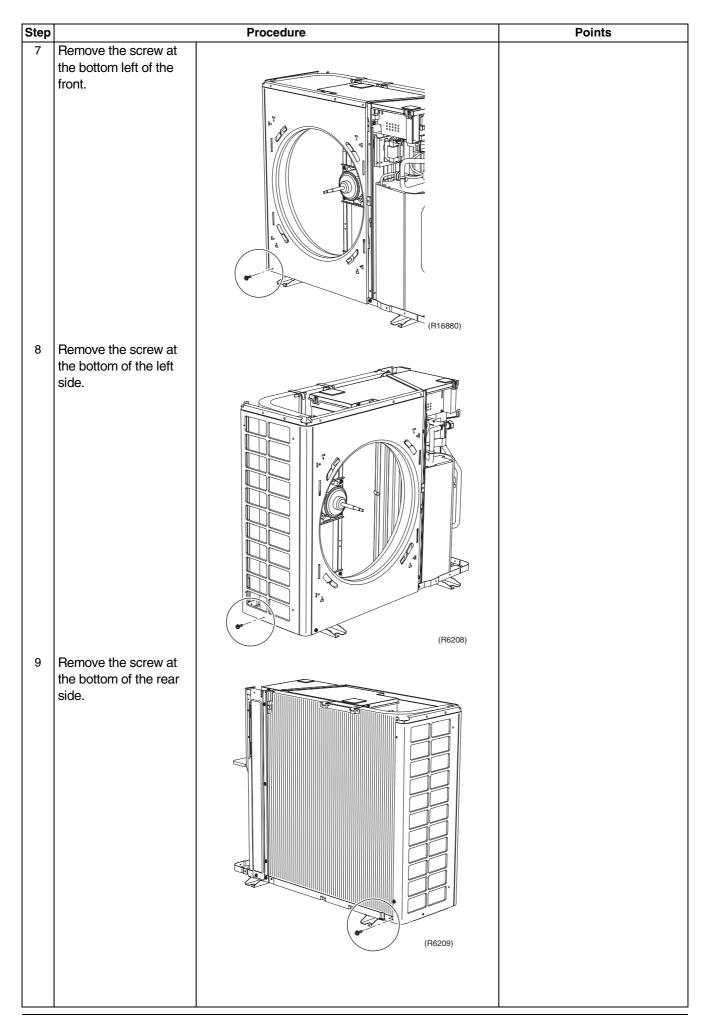
Removal of Outer Panels Si001168



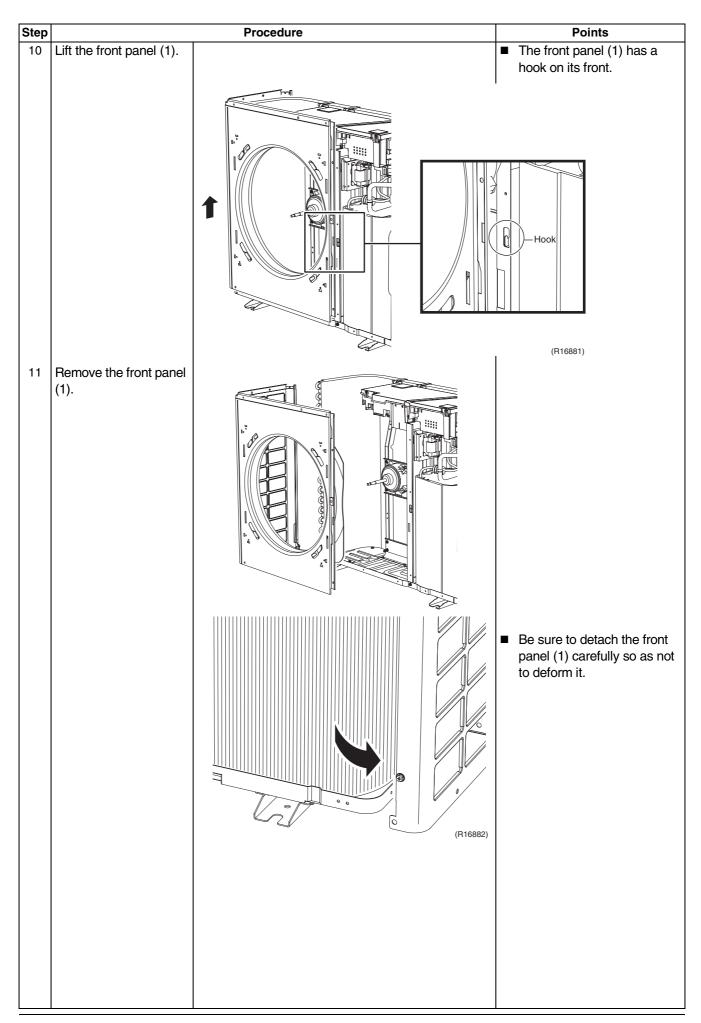
Removal of Outer Panels



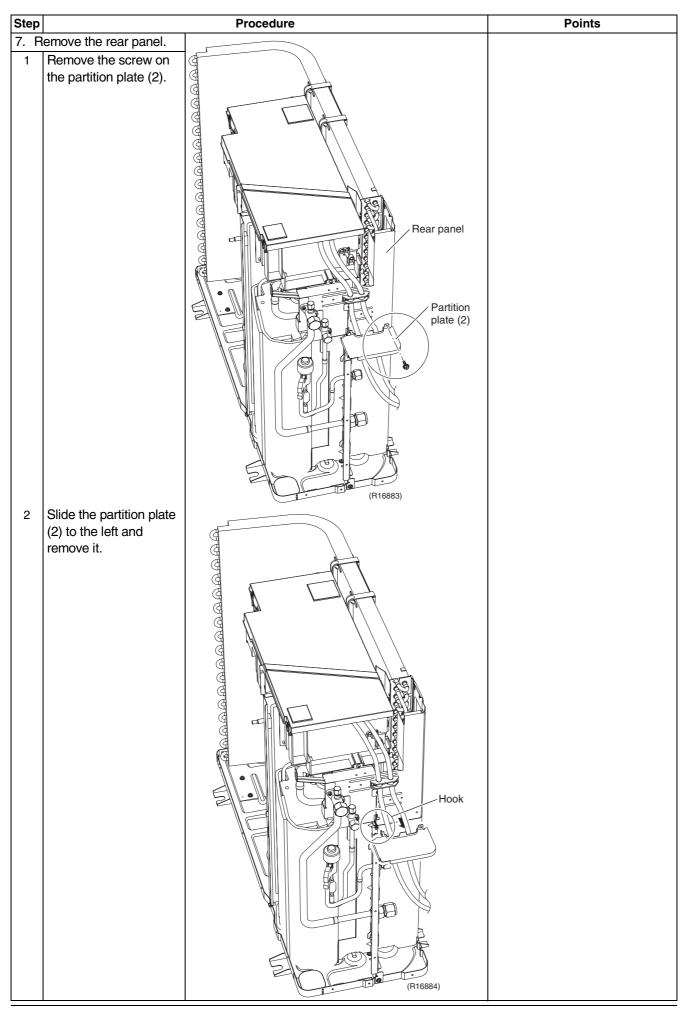
Removal of Outer Panels Si001168



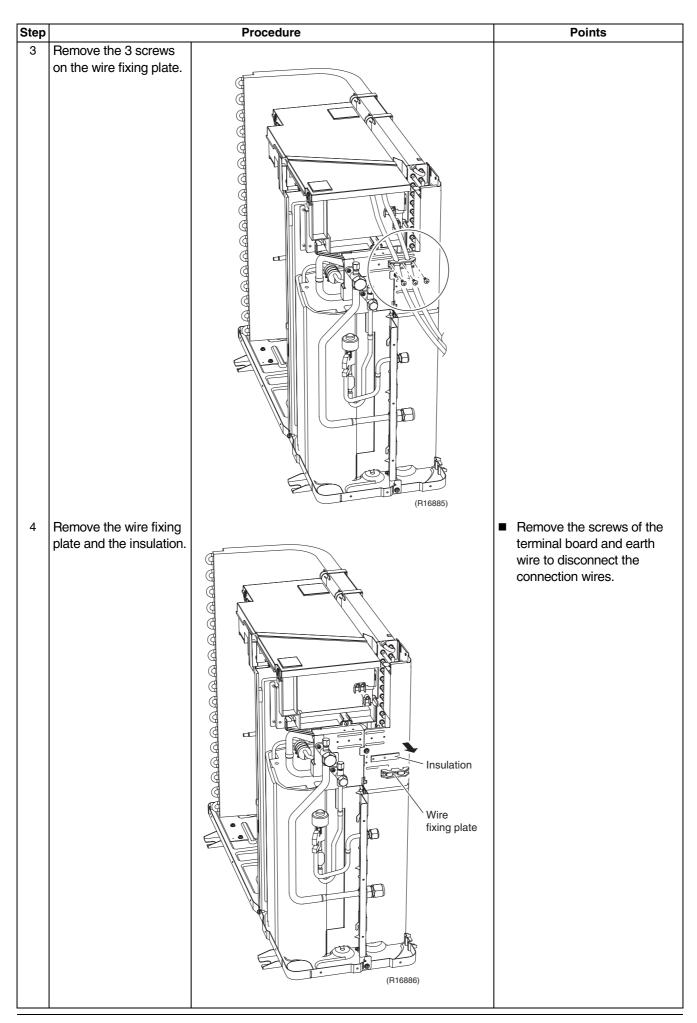
Si001168 Removal of Outer Panels



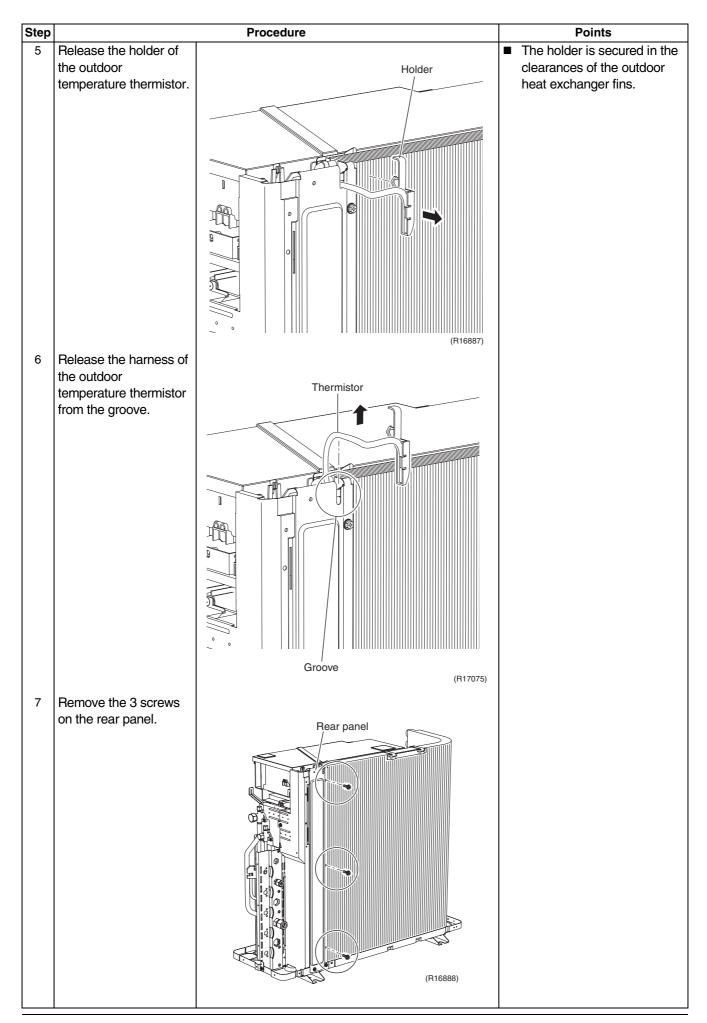
Removal of Outer Panels Si001168



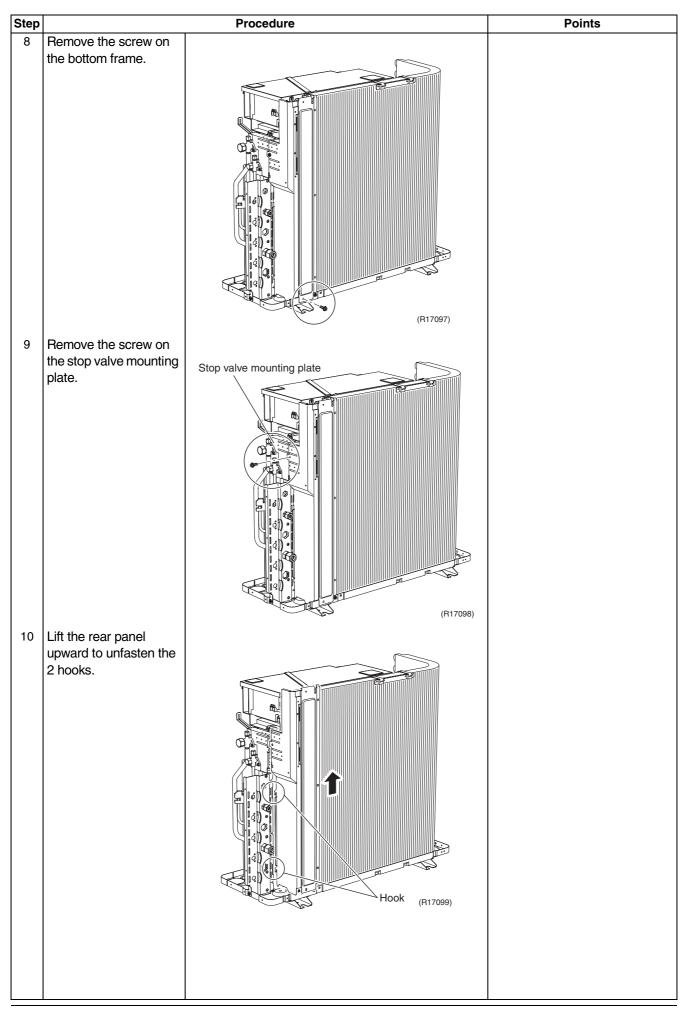
Si001168 Removal of Outer Panels



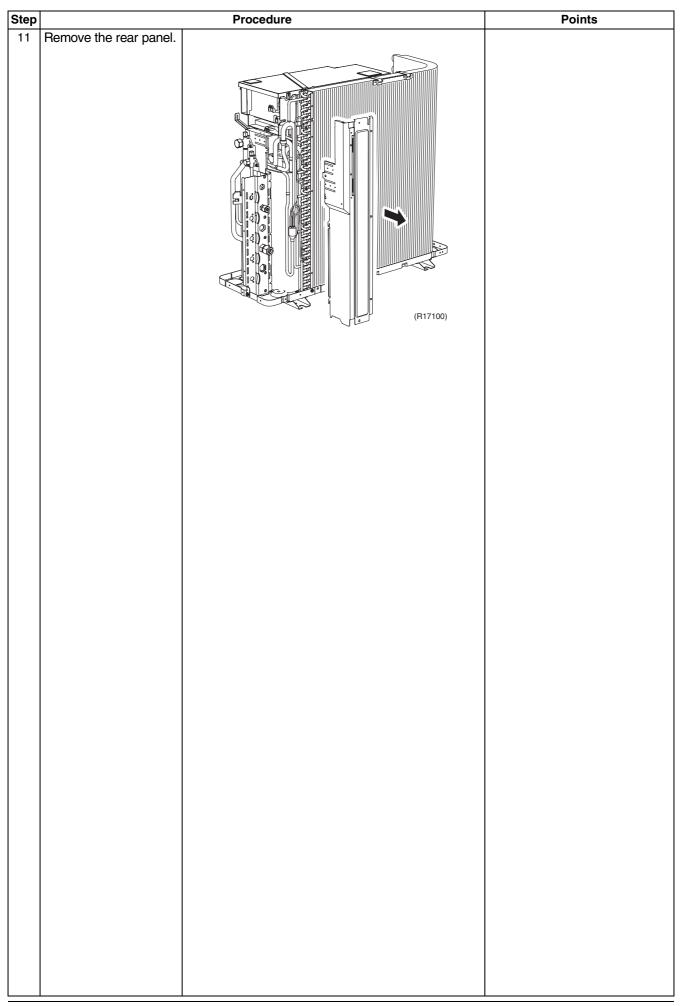
Removal of Outer Panels Si001168



Removal of Outer Panels



Removal of Outer Panels Si001168



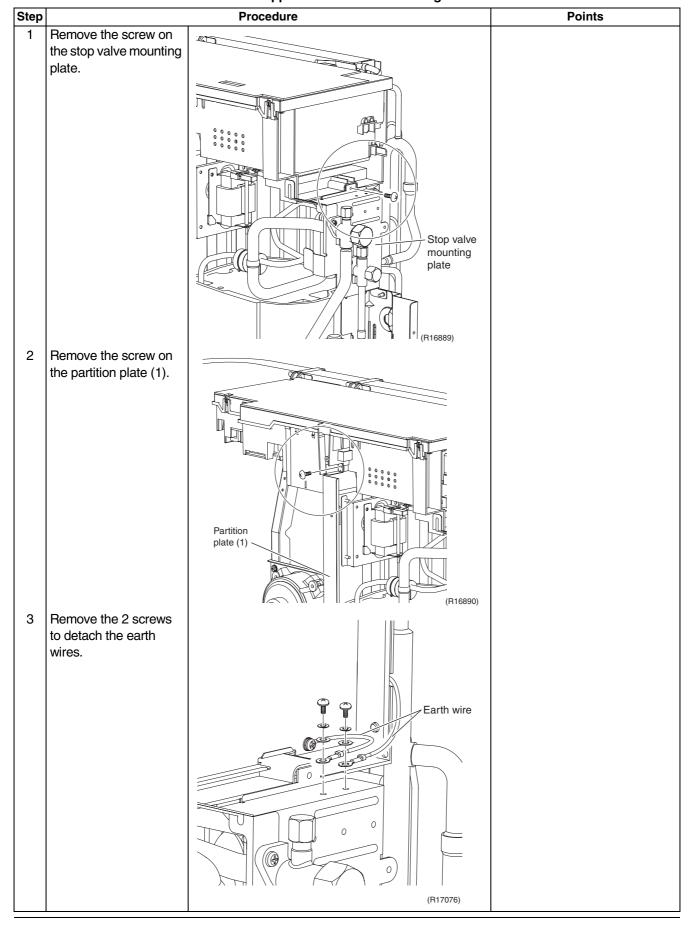
Si001168 Removal of Electrical Box

#### 2. Removal of Electrical Box

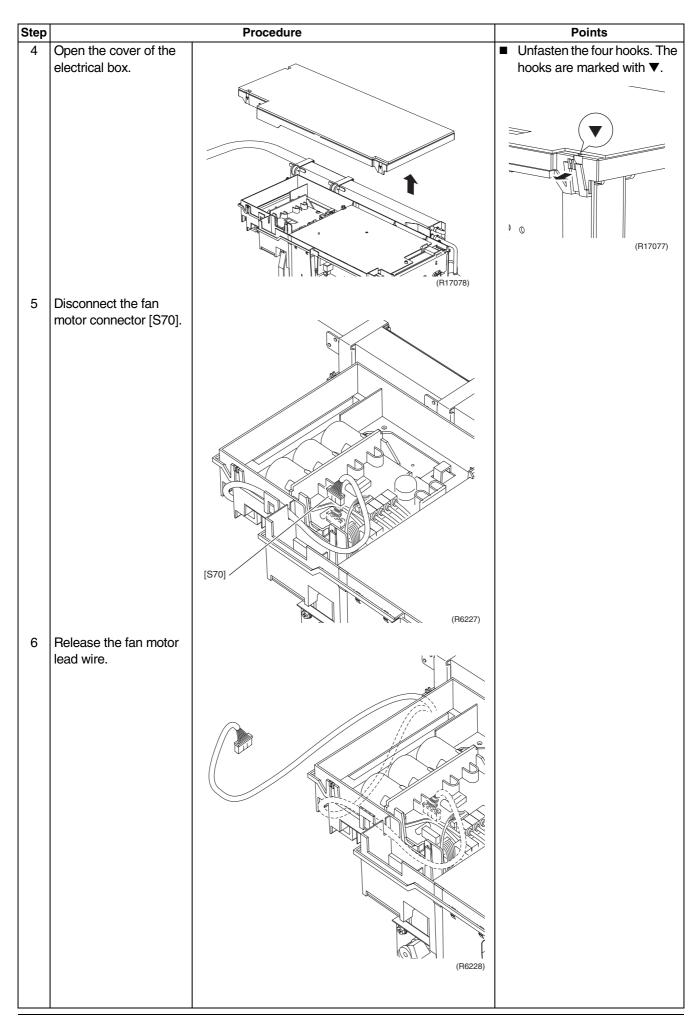
**Procedure** 

/ Warning

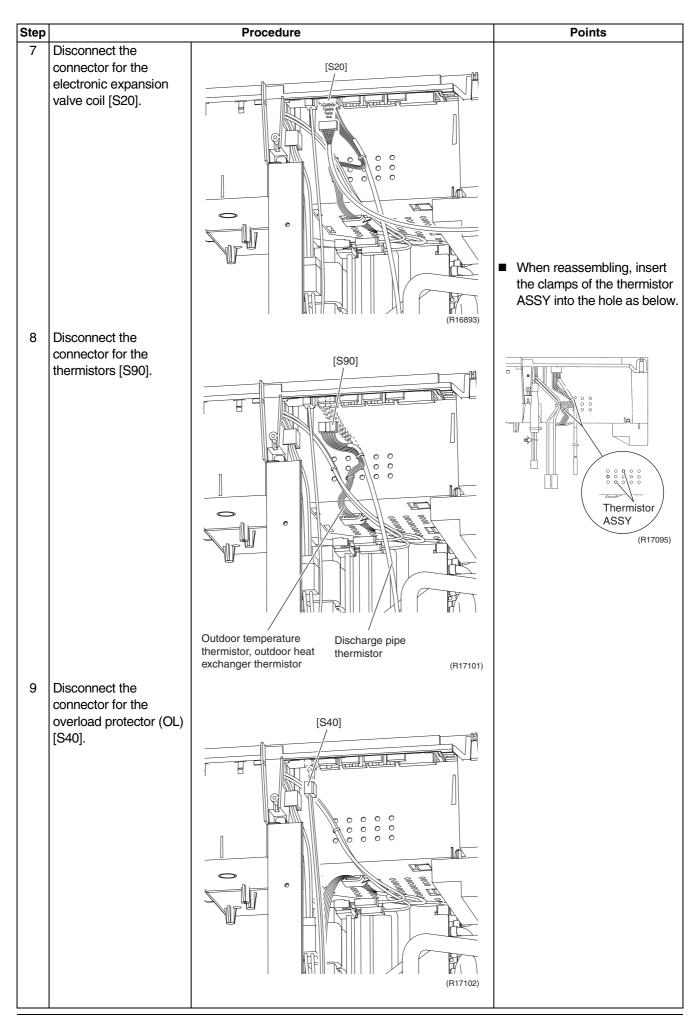
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



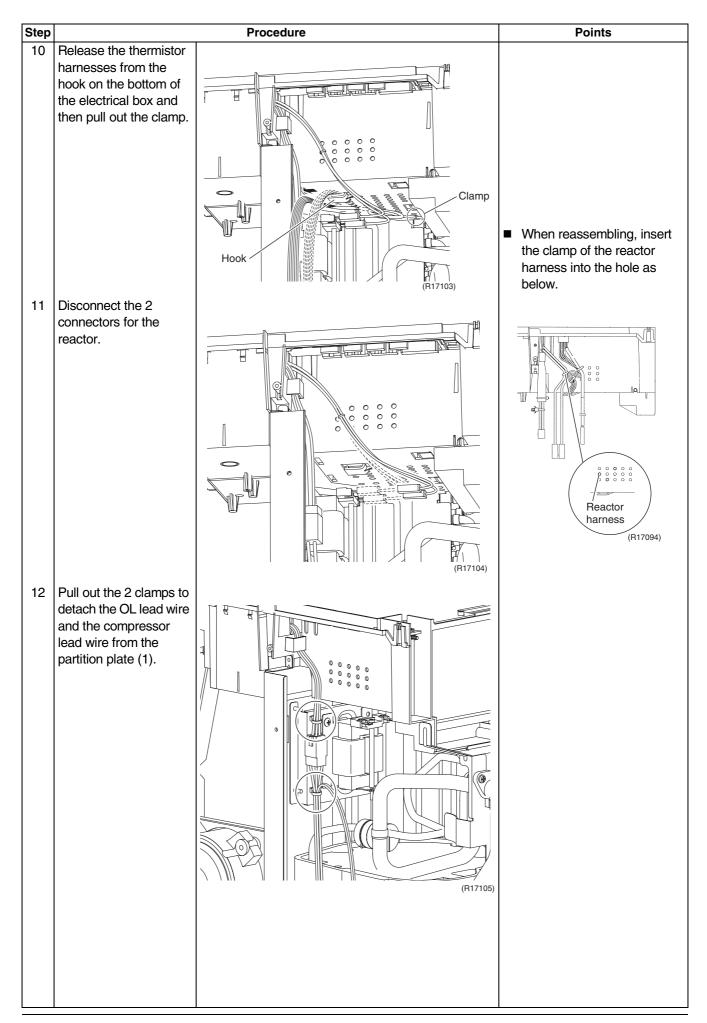
Removal of Electrical Box Si001168



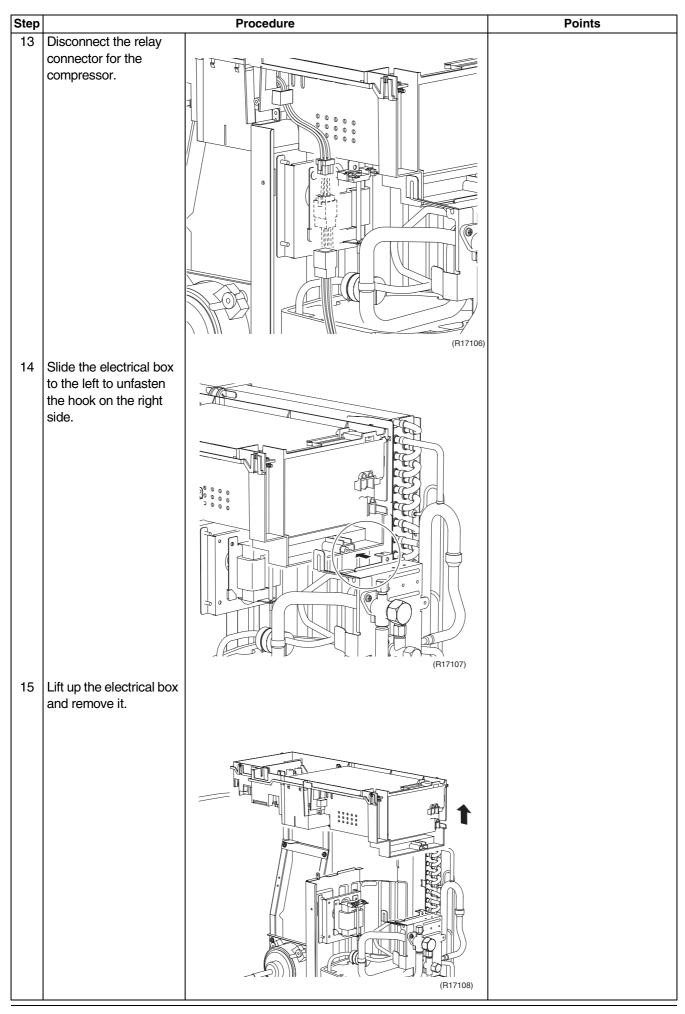
Si001168 Removal of Electrical Box



Removal of Electrical Box Si001168



Removal of Electrical Box



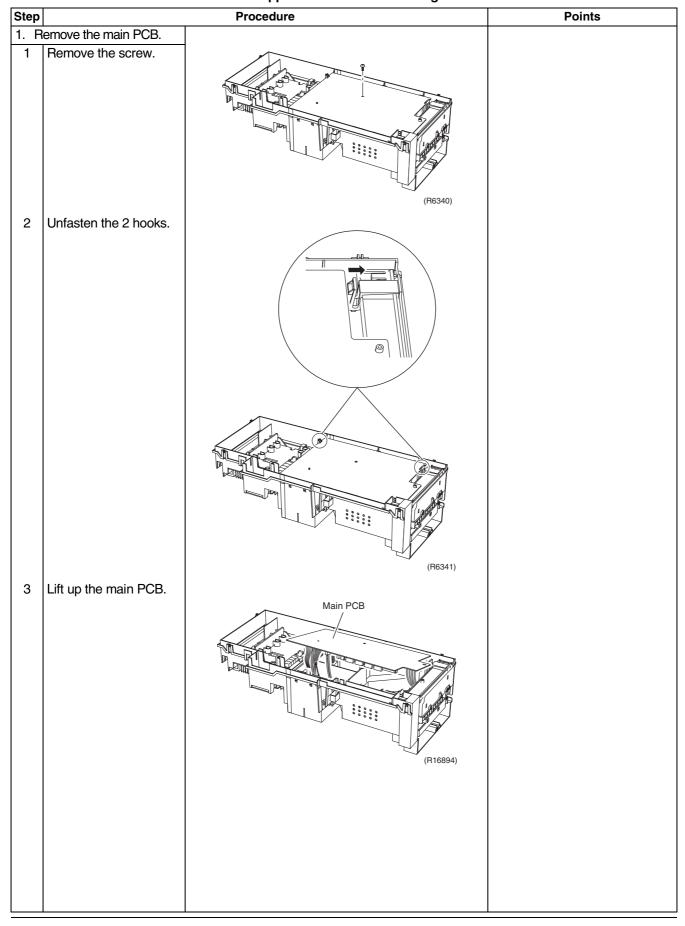
Removal of PCBs Si001168

#### 3. Removal of PCBs

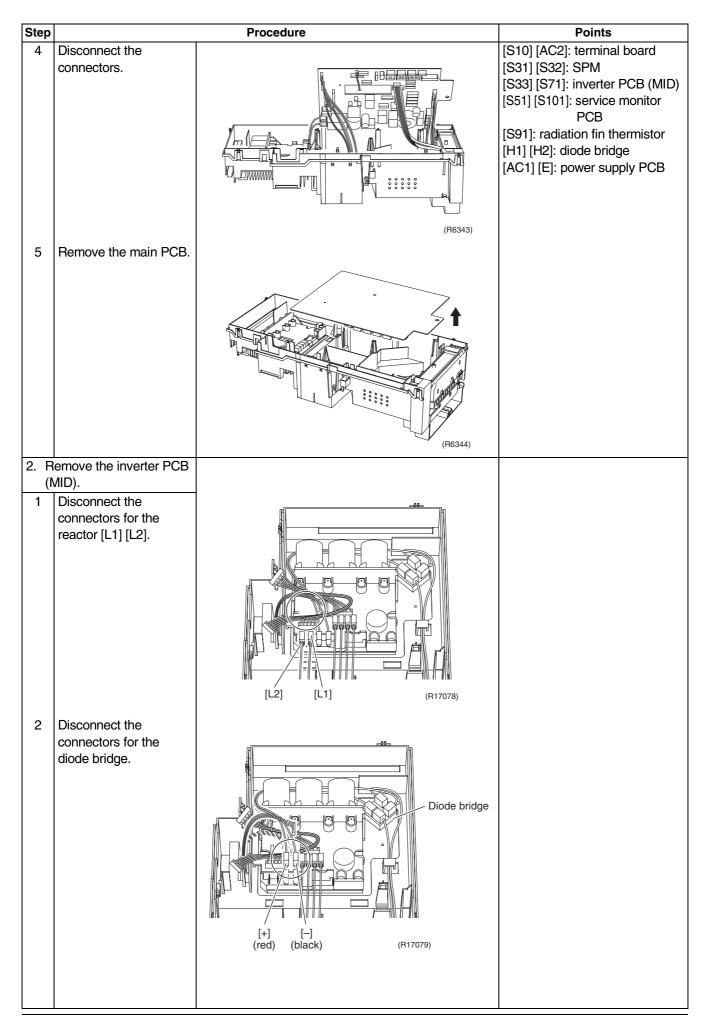
**Procedure** 

/ Warning

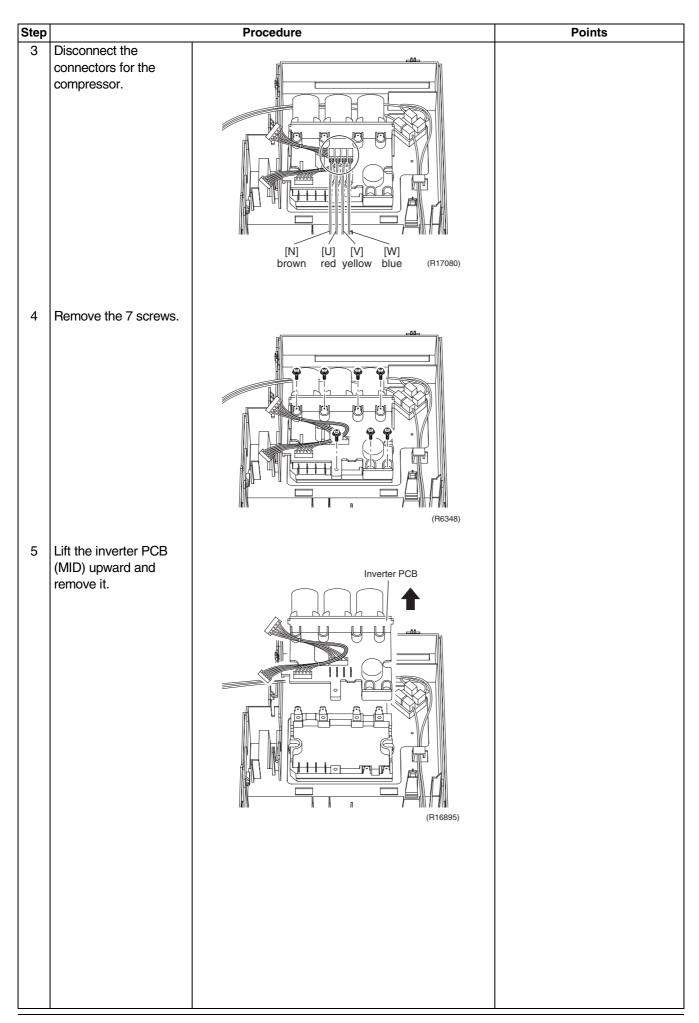
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



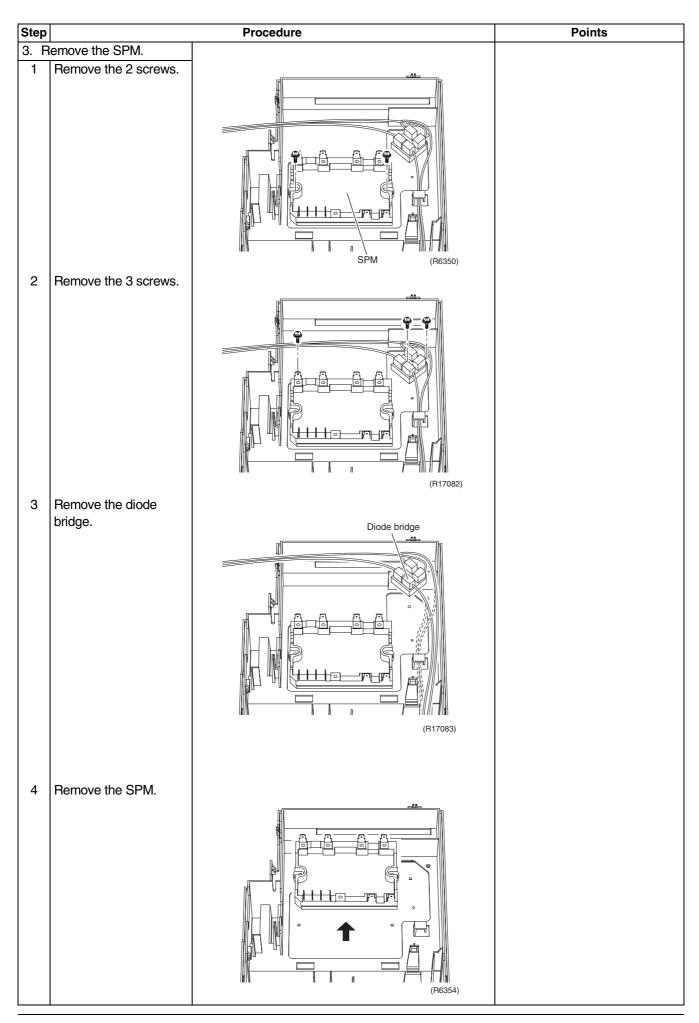
Si001168 Removal of PCBs



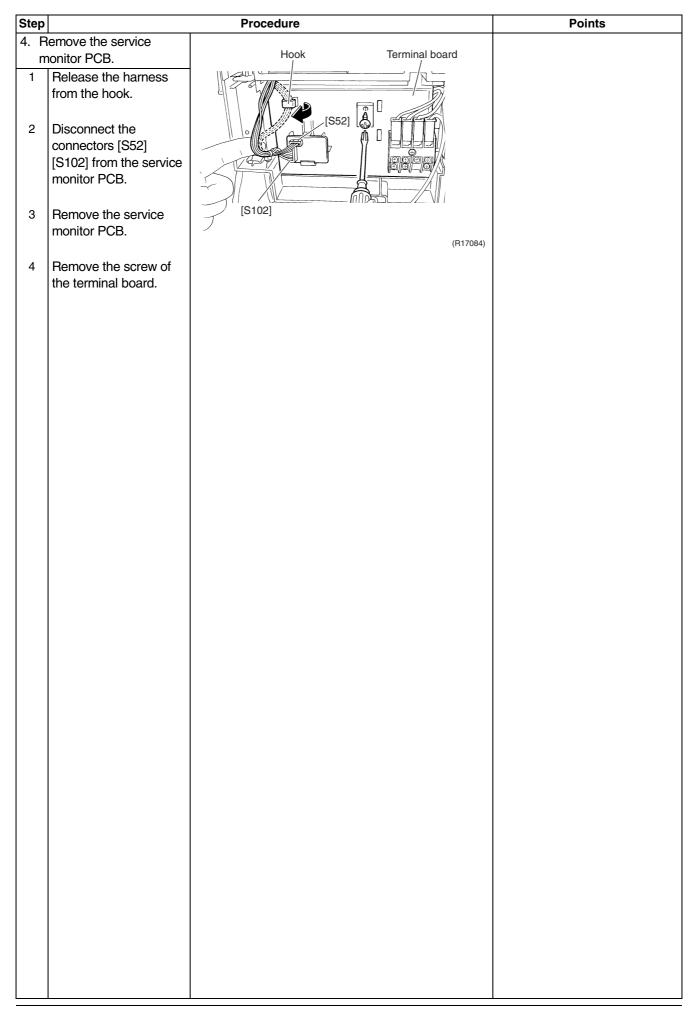
Removal of PCBs Si001168



Si001168 Removal of PCBs



Removal of PCBs Si001168



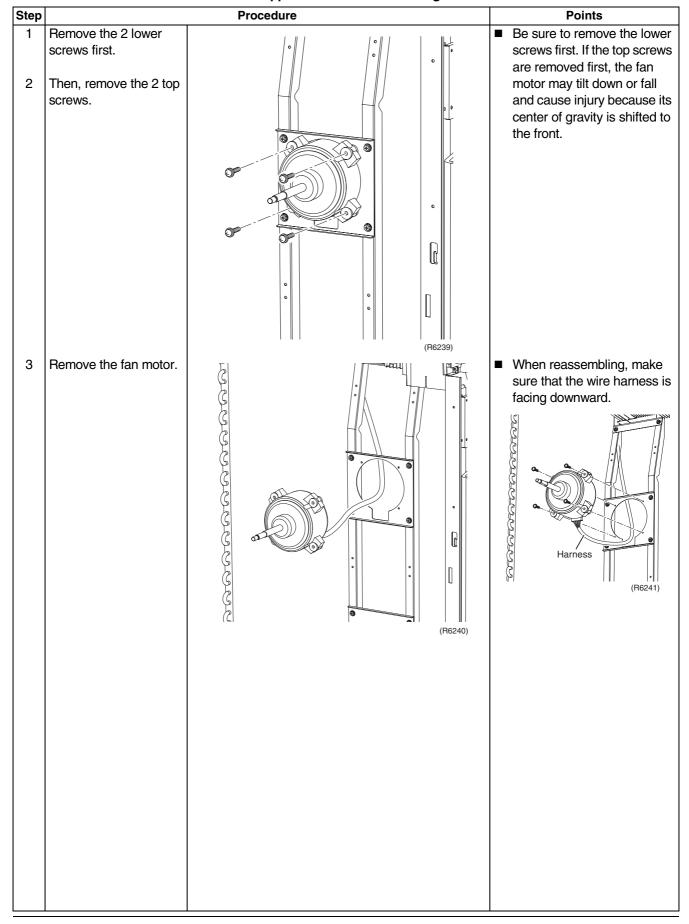
Si001168 Removal of Fan Motor

#### 4. Removal of Fan Motor

**Procedure** 

**Warning** 

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

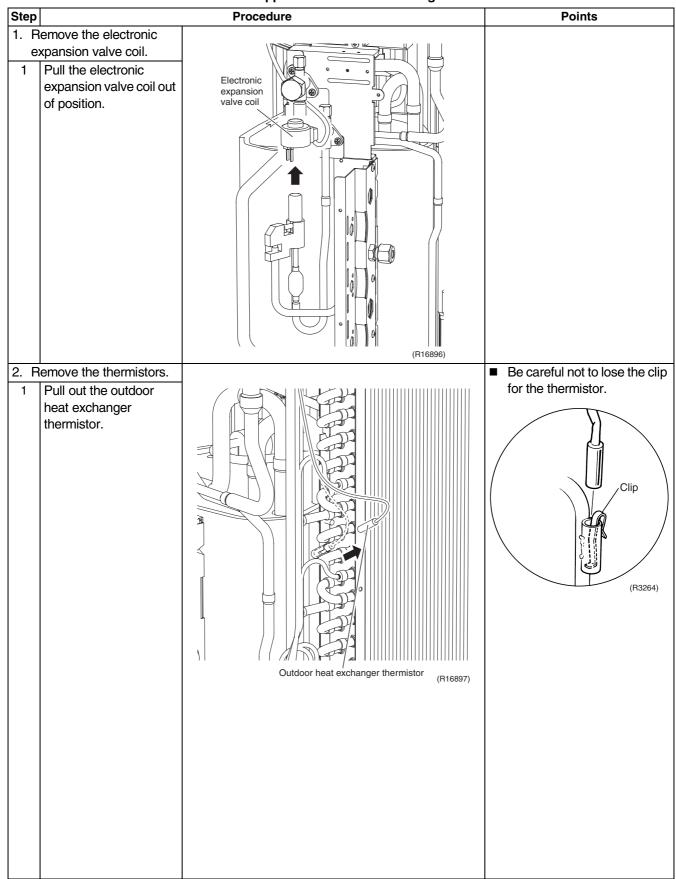


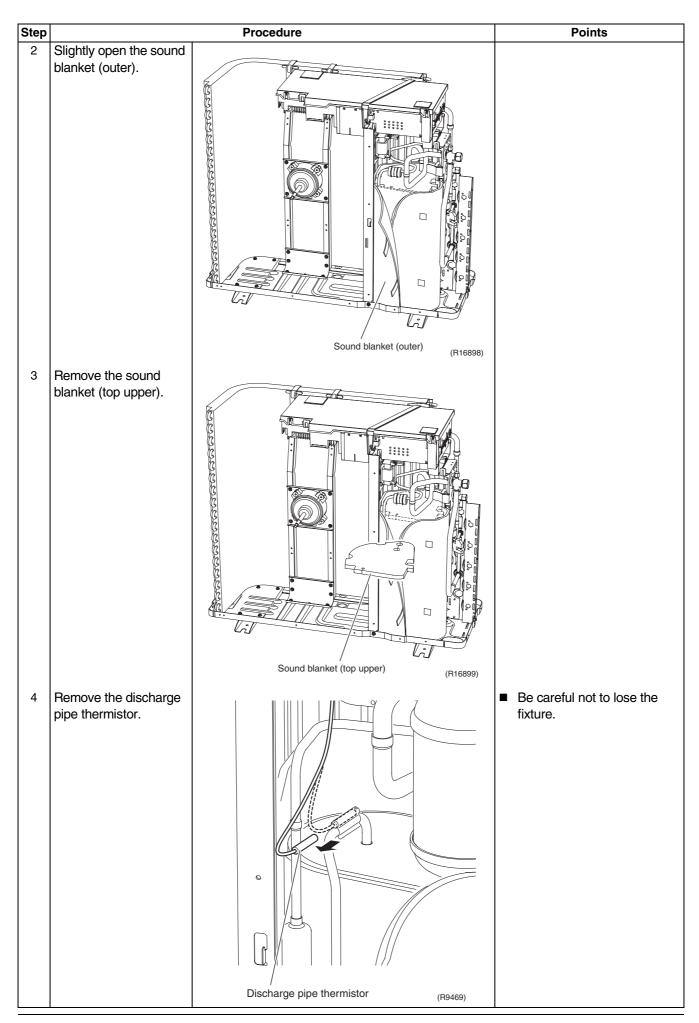
# 5. Removal of Electronic Expansion Valve Coil / Thermistors

**Procedure** 

Warning

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





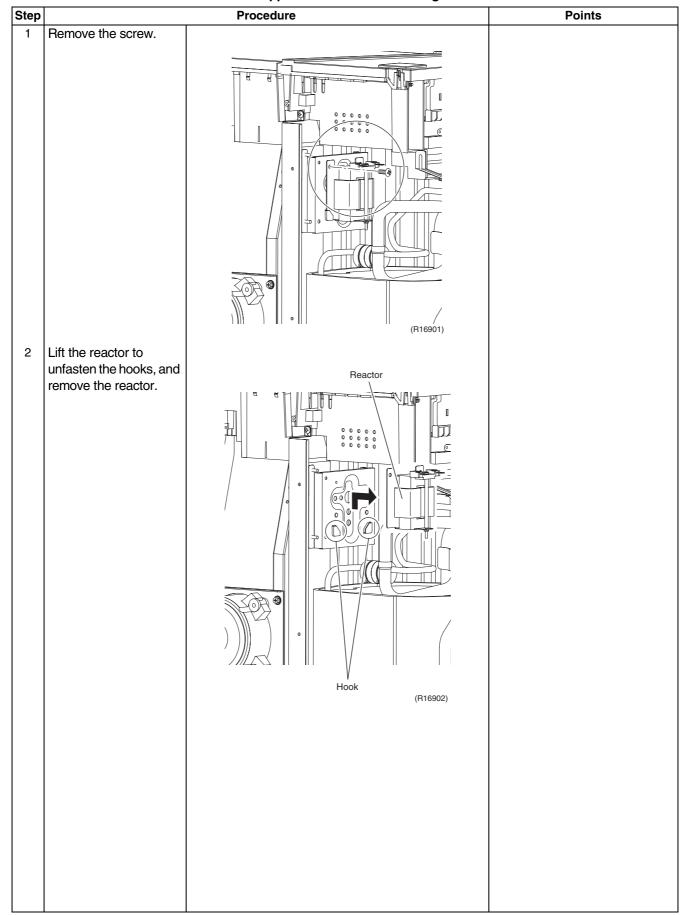
Removal of Reactor Si001168

#### 6. Removal of Reactor

**Procedure** 

**Warning** 

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



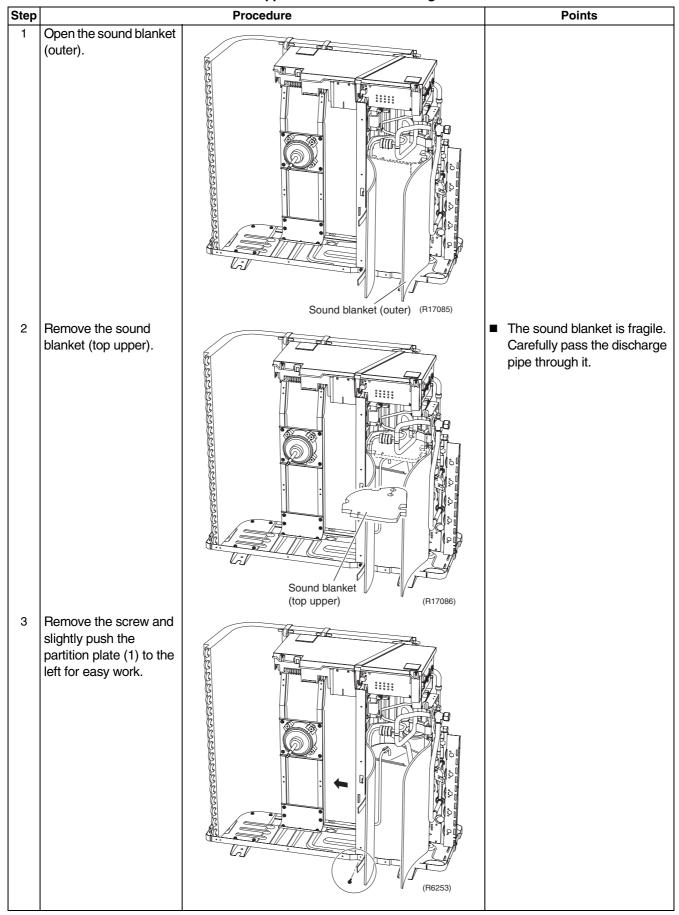
**Removal of Sound Blankets** 

#### 7. Removal of Sound Blankets

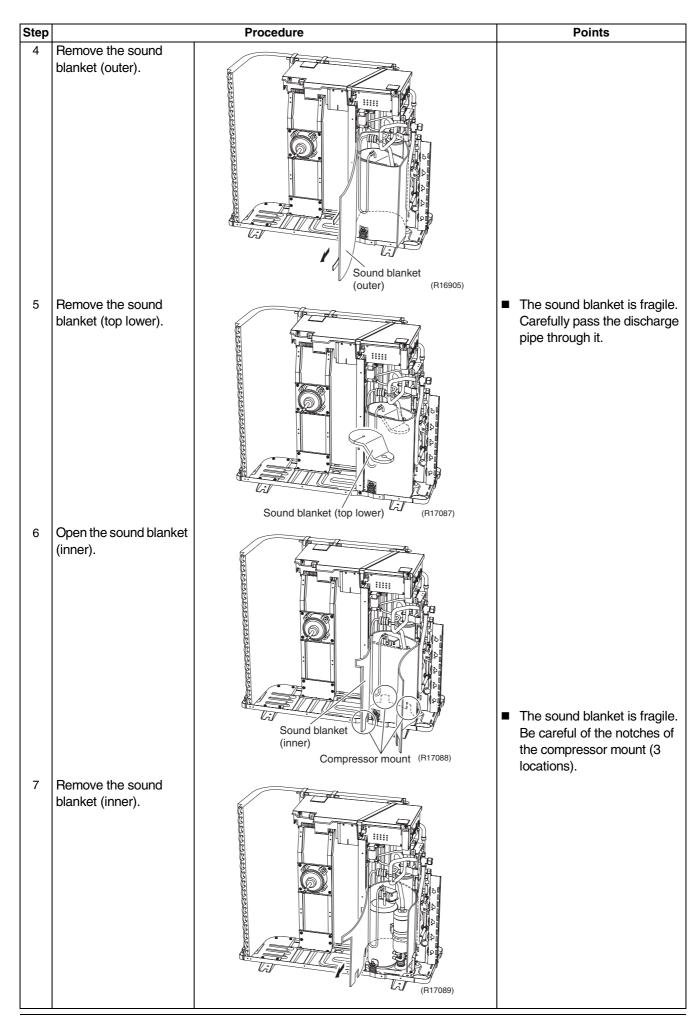
**Procedure** 

**Warning** 

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



Removal of Sound Blankets Si001168

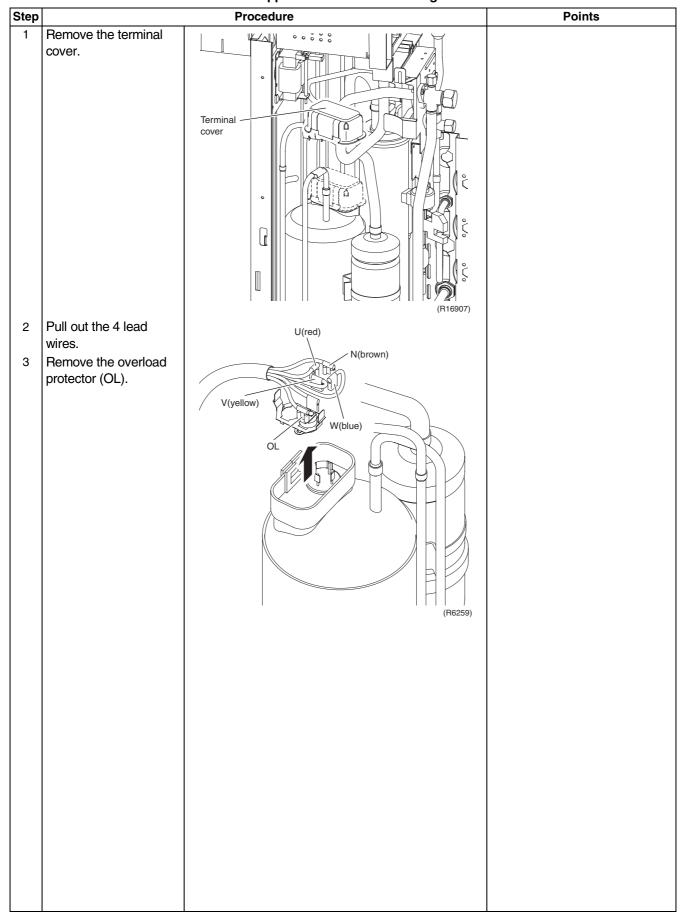


### 8. Removal of Compressor

**Procedure** 

/ Warning

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



**Removal of Compressor** Si001168

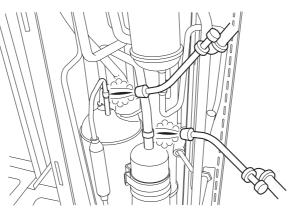
**Procedure** 

Step ■ Before working, make sure that the refrigerant gas is empty in the circuit.

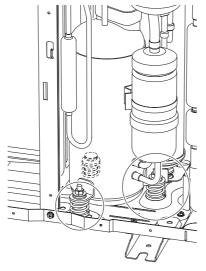
■ Be sure to apply nitrogen replacement when heating up the brazed part.

Heat up the brazed part and withdraw the piping with pliers.

5 Remove the 2 nuts.



(R9646)



**Points** 

Warning Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.

!\ Warning If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.)

Warning 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

- 1. Restore the piping by non-
- 2. 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.) For the sake of this, wrap the four way valve with wet cloth and provide water so that the

### In case of difficulty with gas

- 1. Disconnect the brazed part where is easy to disconnect and restore.
- with a tube cutter in order to make it easy to disconnect.

- for cutting pipes by all means because the circuit.
- pipes, be careful not to pinch them firmly with deformed.
- brazing flame cannot influence peripheries.
- burn the compressor the heat exchanger fin.

Note:

refrigerant gas. **Cautions for restoration** oxidation brazing. (R9472) ■ Do not use a metal saw sawdust comes into the ■ When withdrawing the cloth does not dry. pliers. The pipes may get brazing machine ■ Provide a protective sheet or a steel plate so that the 2. Cut pipes on the main unit ■ Be careful so as not to terminals, the name plate,

# **Revision History**

Month / Year	Version	Revised contents
08/2012	Si001168	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

#### 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/global\_ac/

© All rights reserved