



## 11.5 kW Class









# Service Manual Removal Procedure

# **Outdoor Unit**

●Heat Pump 4MXS115HV2C

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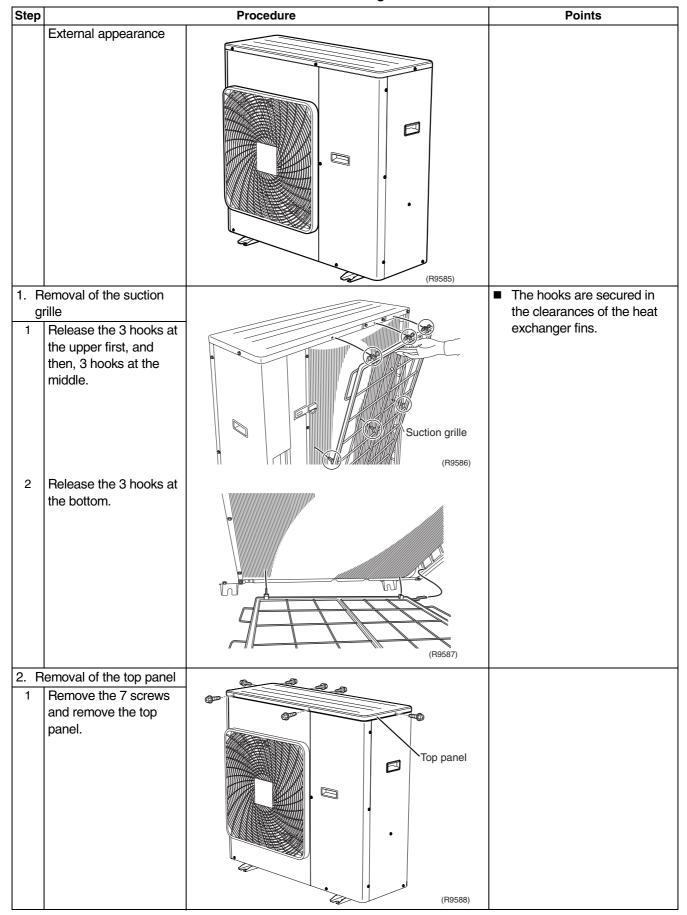
Removal of Outer Panels Si12-996

## 1. Removal of Outer Panels

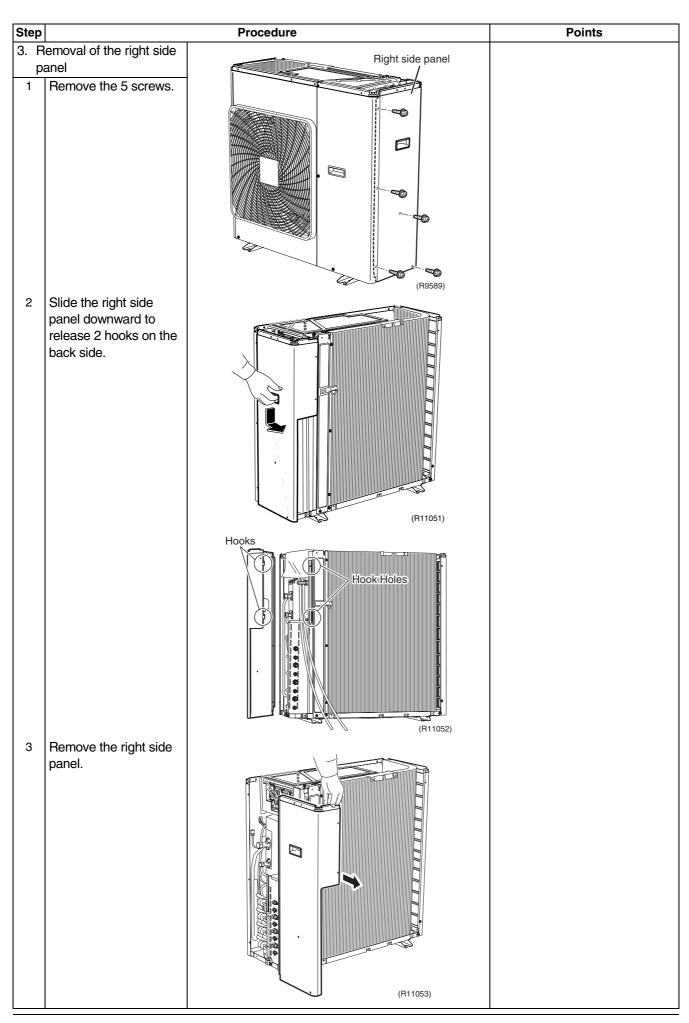
**Procedure** 

/ Warning

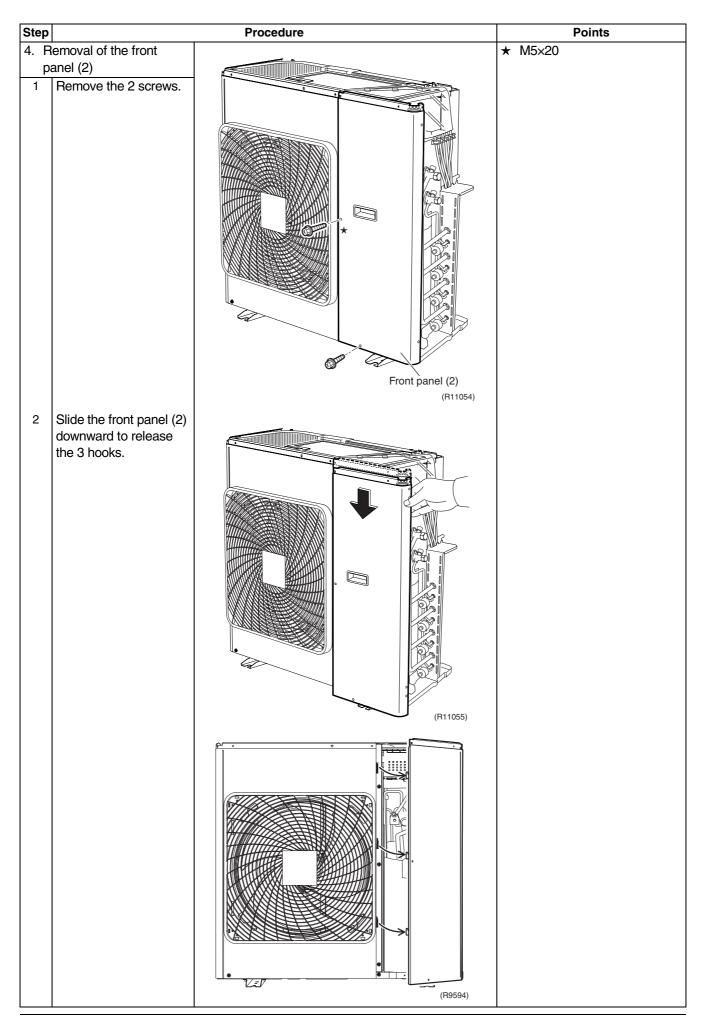
Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



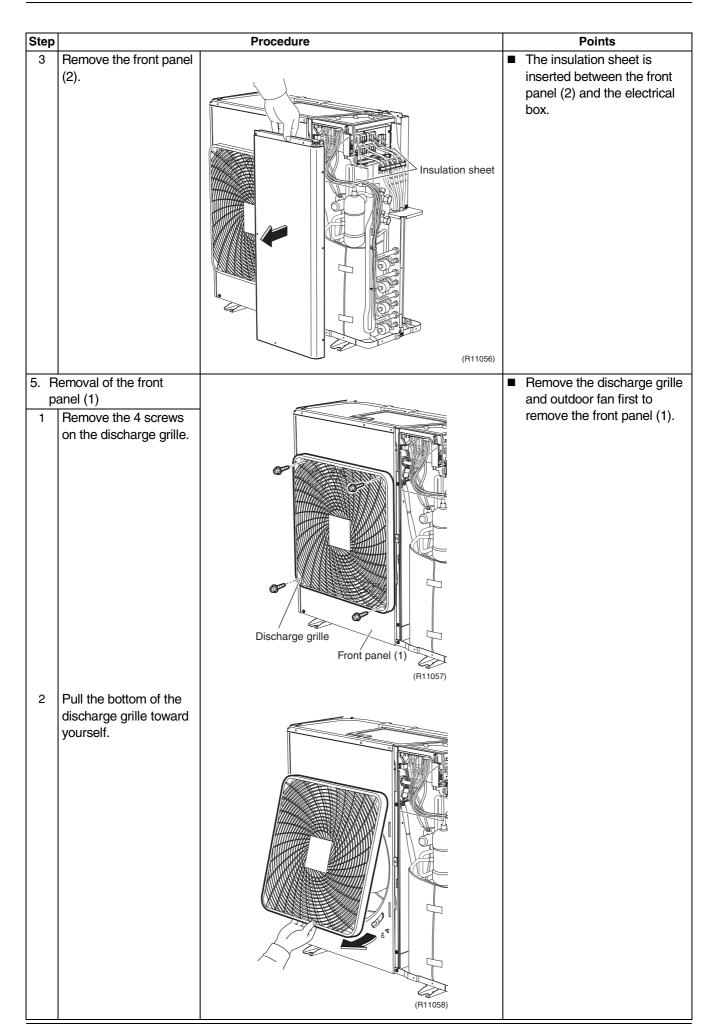
**Removal of Outer Panels** 



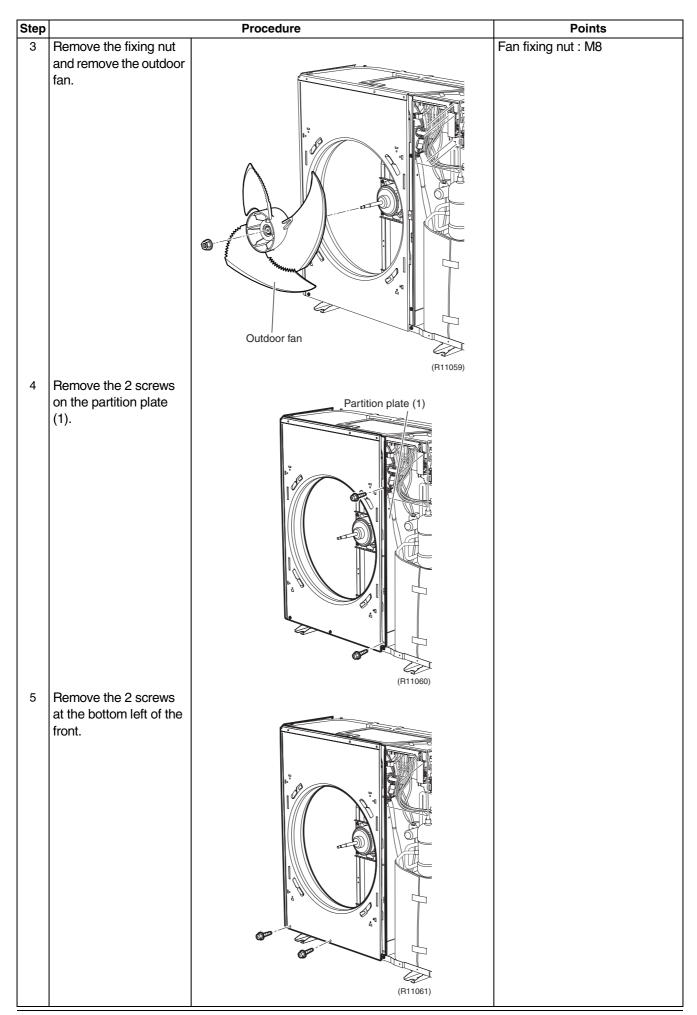
Removal of Outer Panels Si12-996

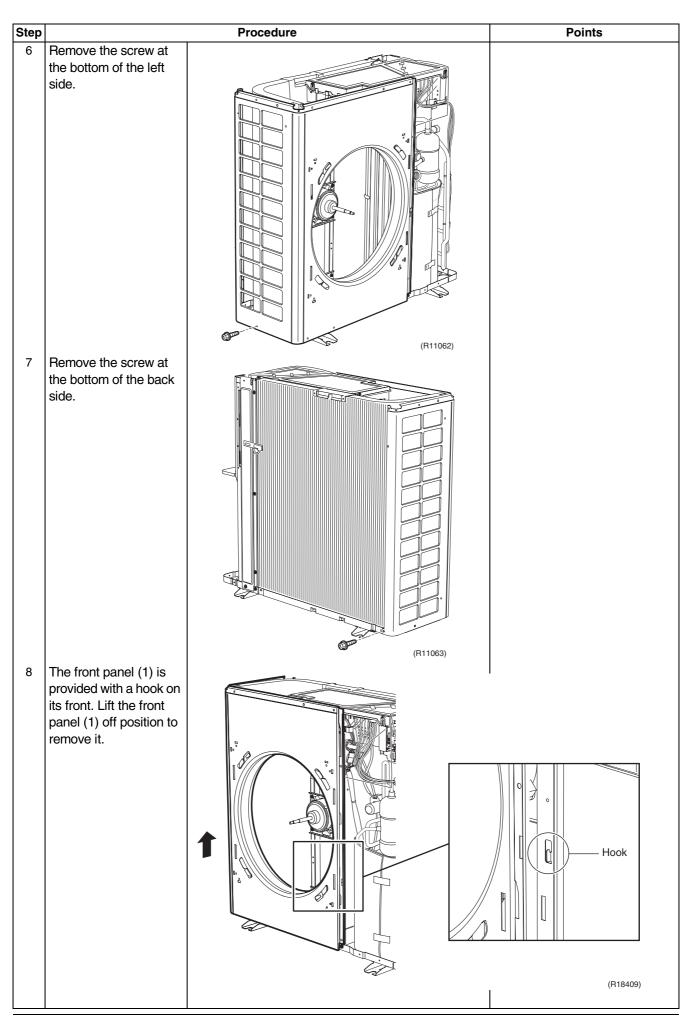


Si12-996 Removal of Outer Panels

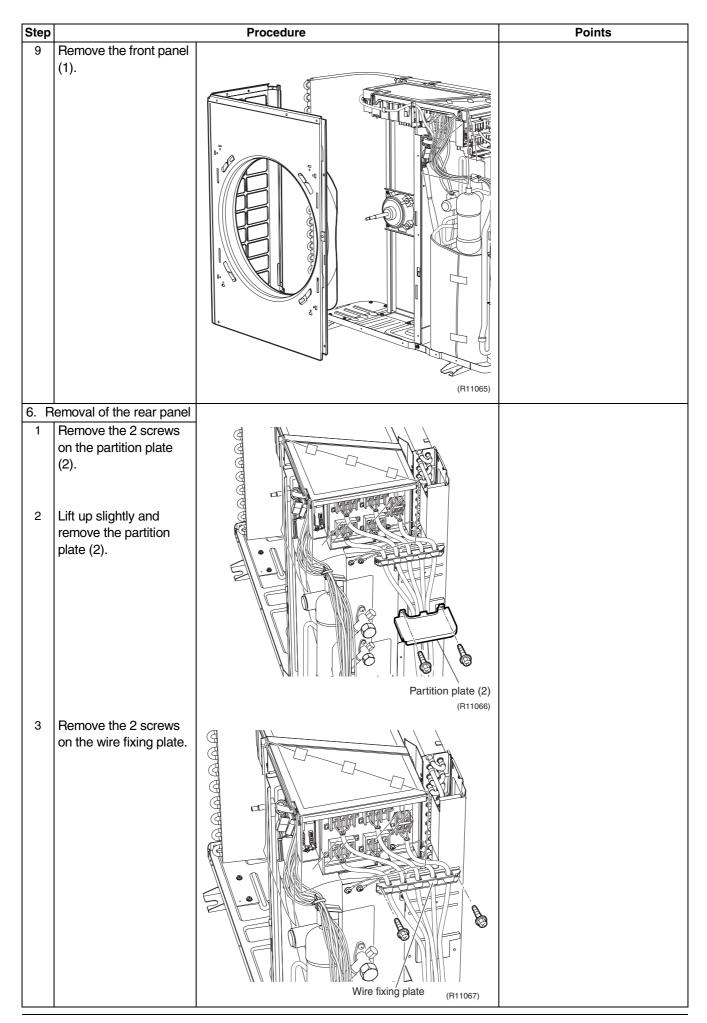


Removal of Outer Panels Si12-996

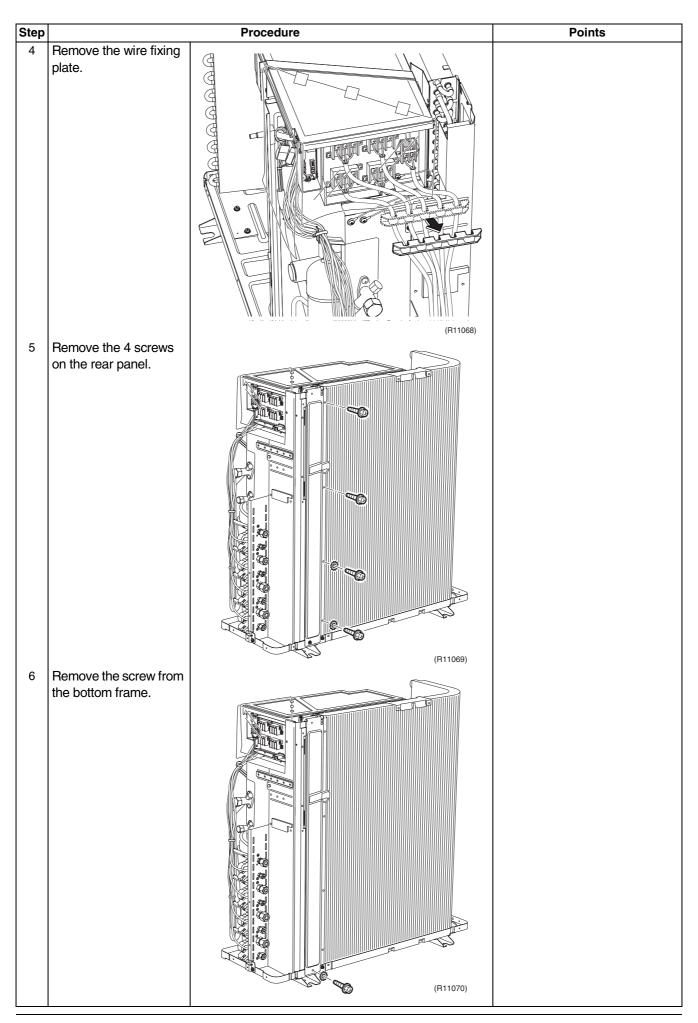




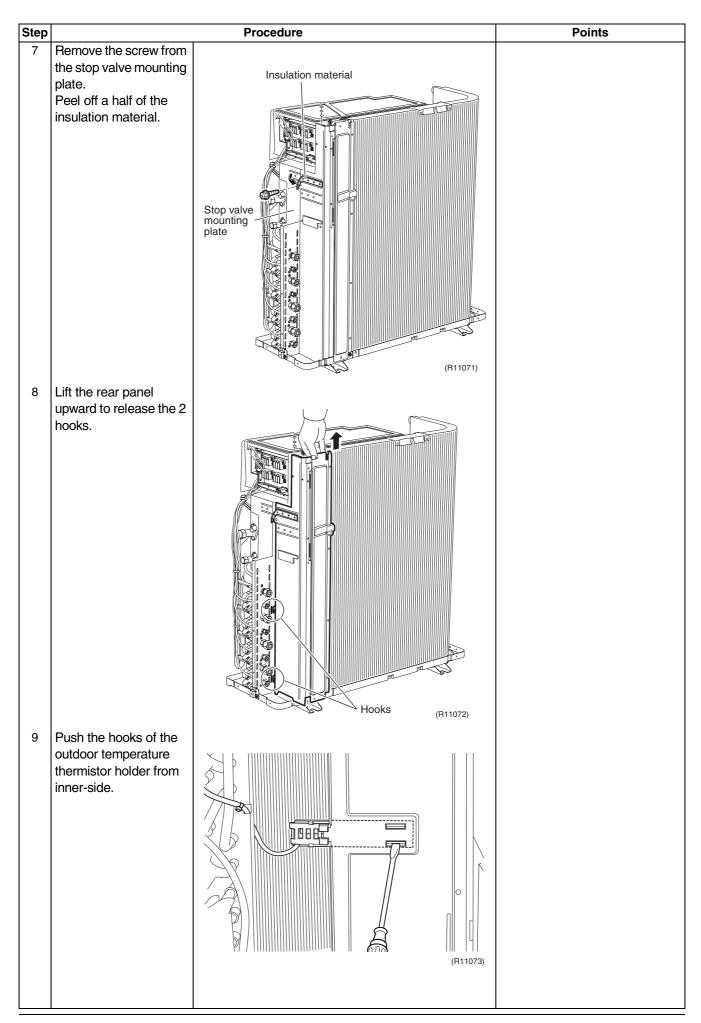
Removal of Outer Panels Si12-996



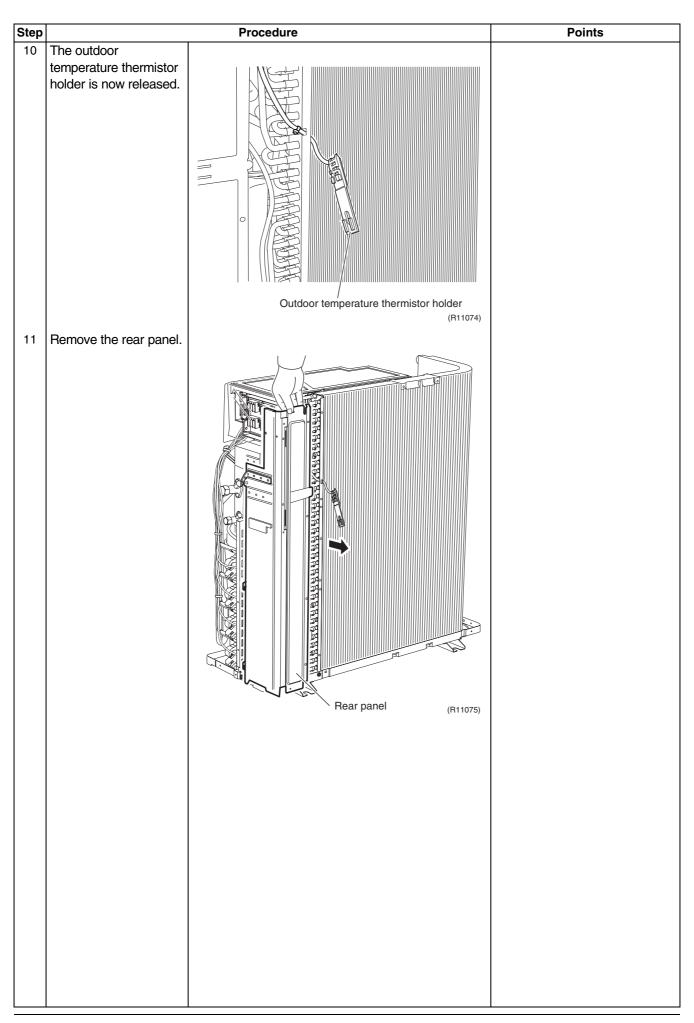
Removal of Outer Panels



Removal of Outer Panels Si12-996



Removal of Outer Panels



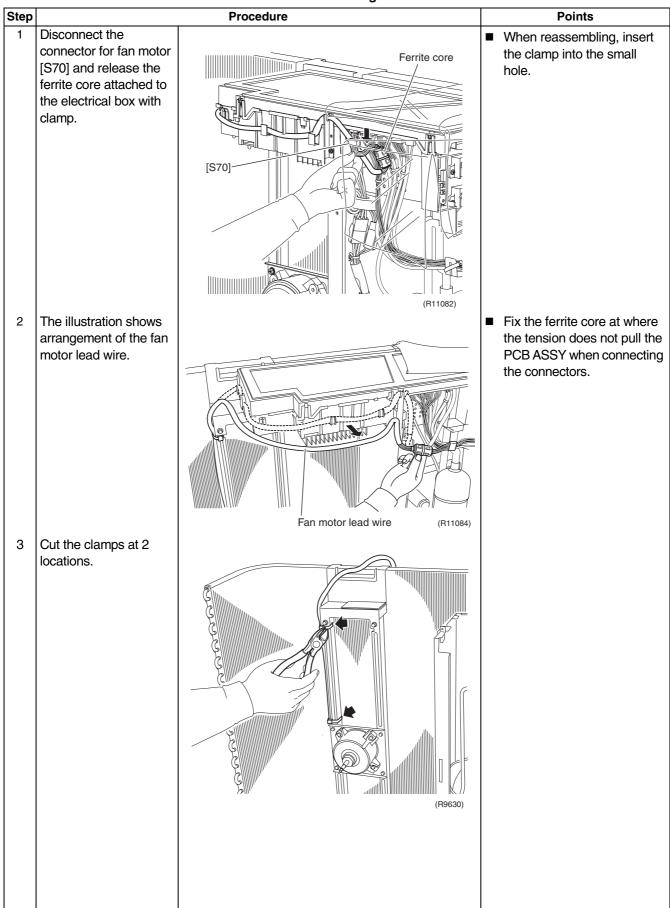
Removal of Fan Motor Si12-996

## 2. Removal of Fan Motor

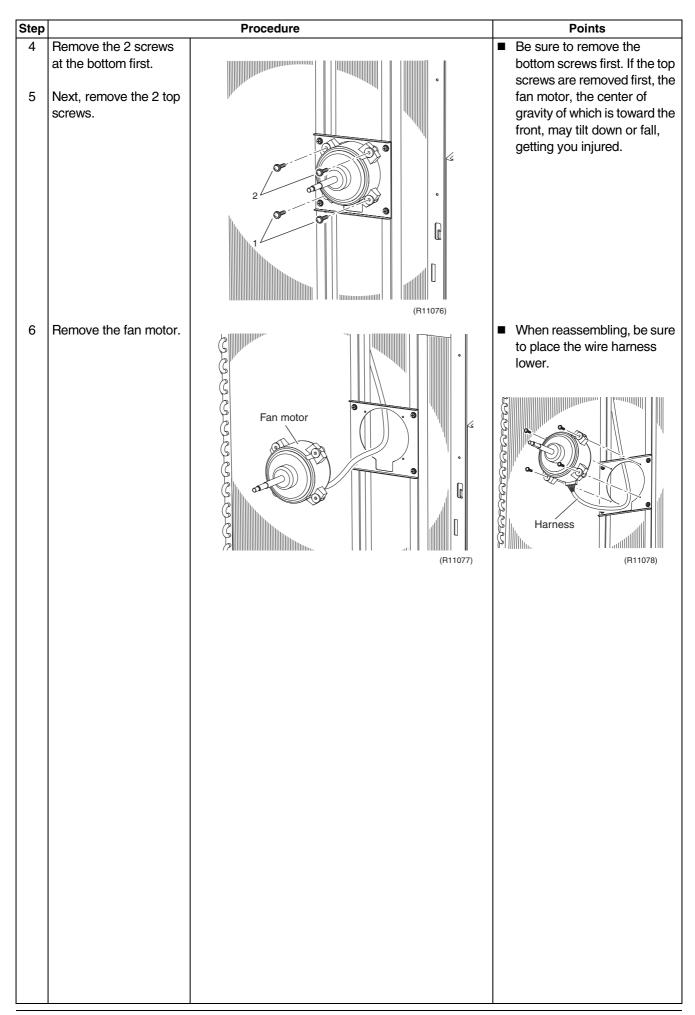
#### **Procedure**



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



Si12-996 Removal of Fan Motor



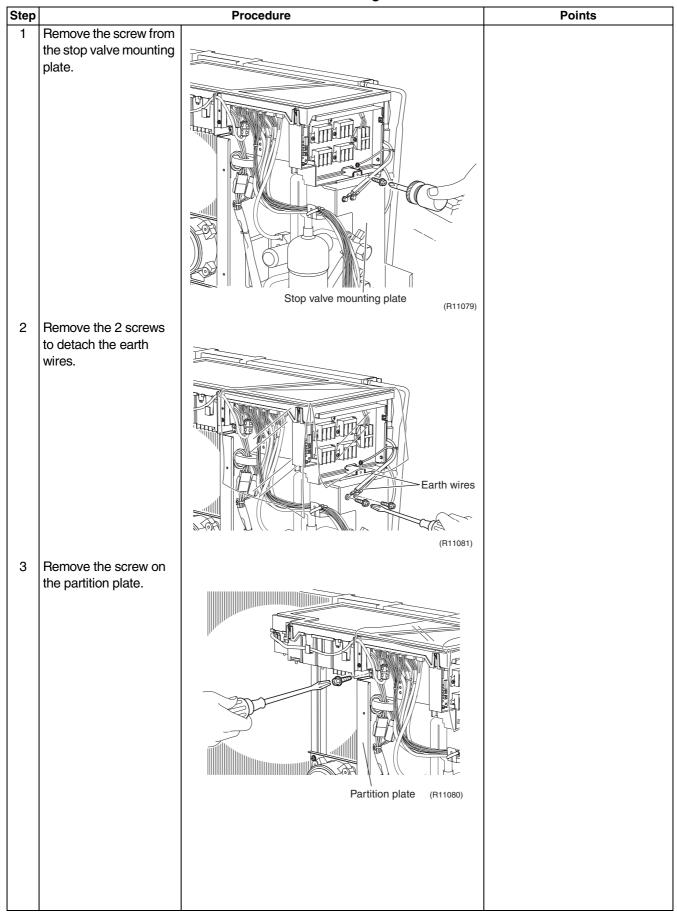
Removal of Electrical Box Si12-996

## 3. Removal of Electrical Box

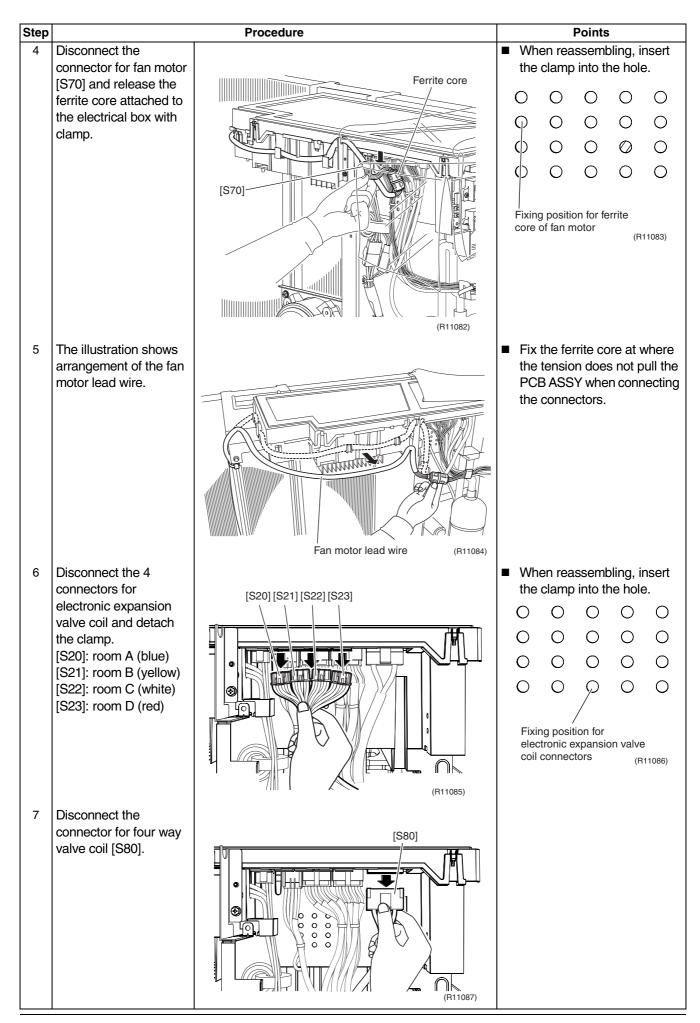
**Procedure** 

**V** Warning

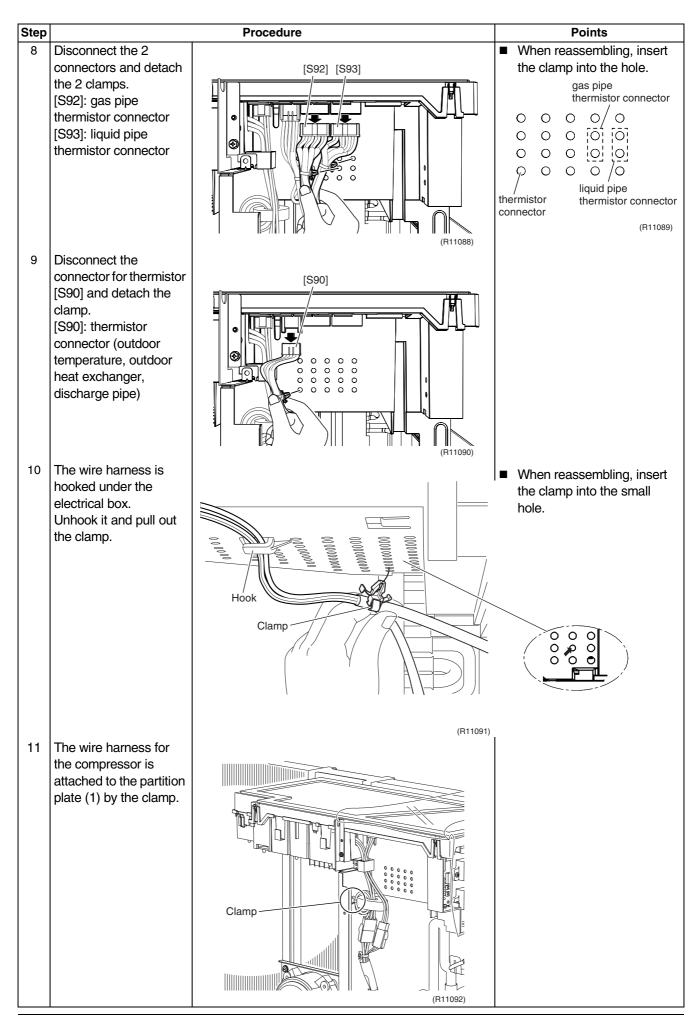
Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



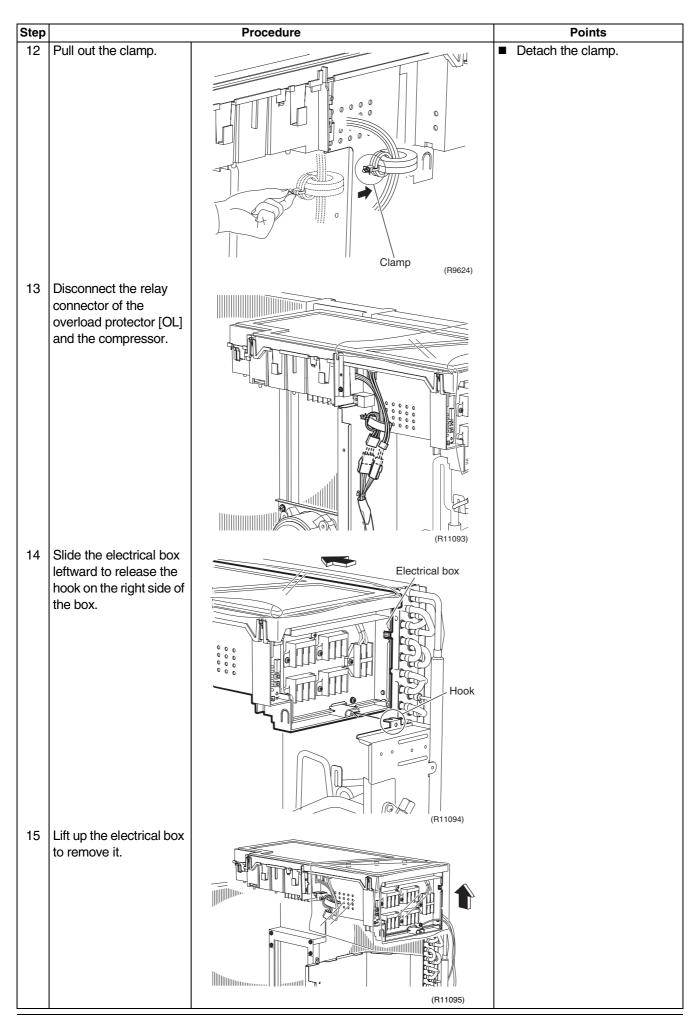
Si12-996 Removal of Electrical Box



Removal of Electrical Box Si12-996



Si12-996 Removal of Electrical Box



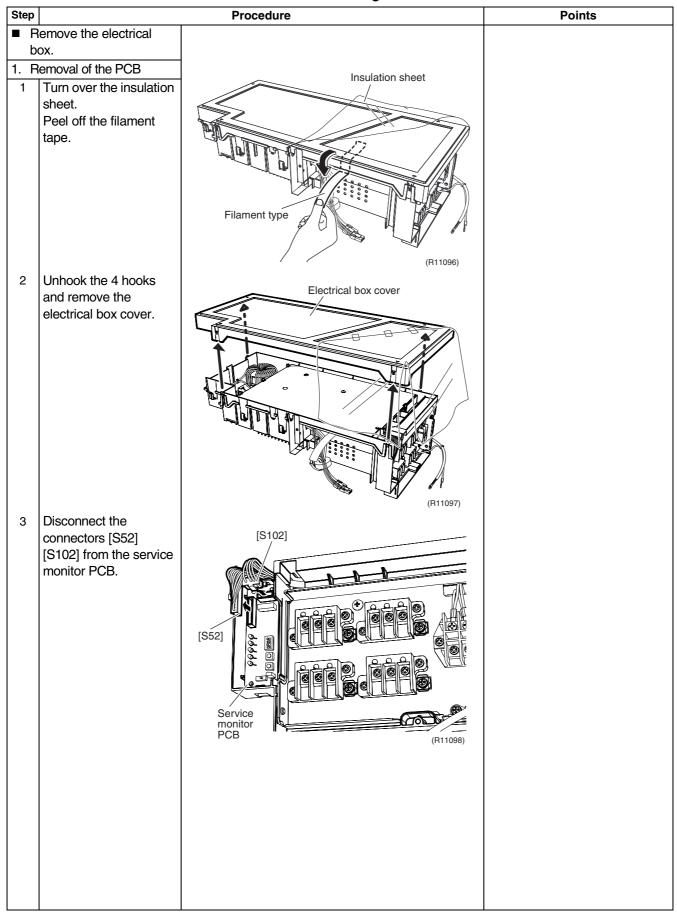
Removal of PCBs Si12-996

### 4. Removal of PCBs

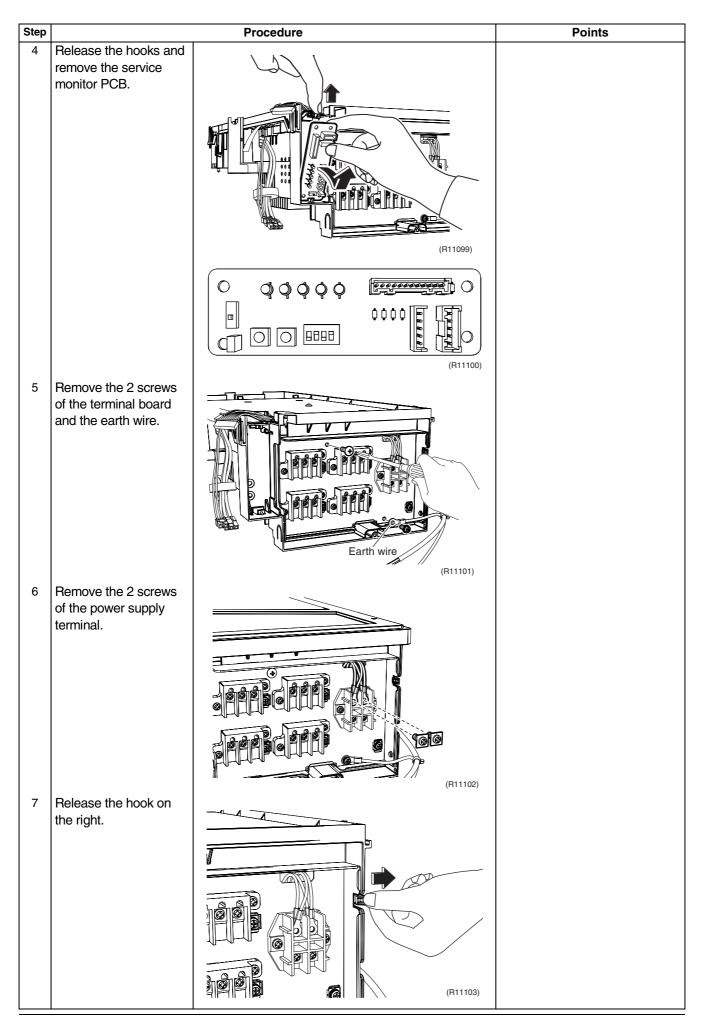
#### **Procedure**

**∕** Warning

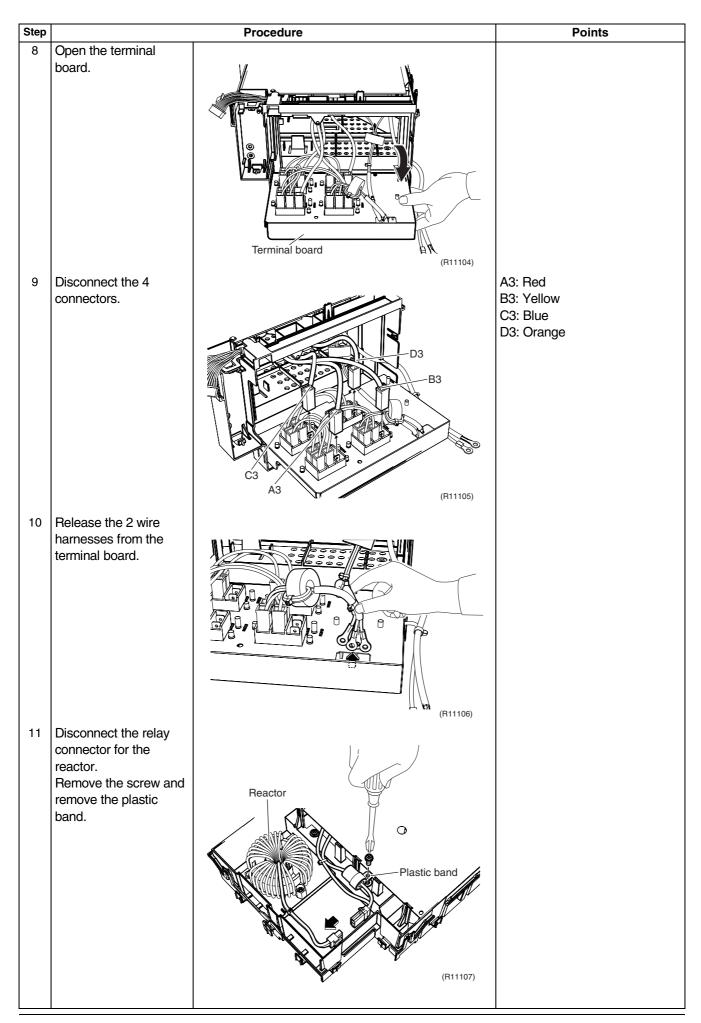
Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



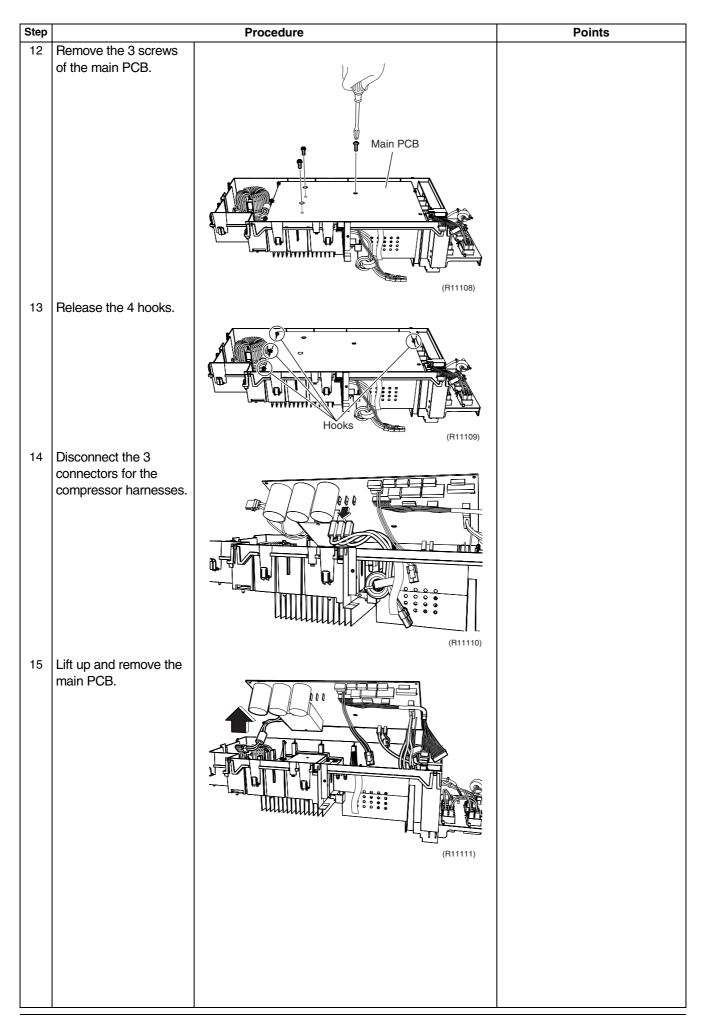
Si12-996 Removal of PCBs



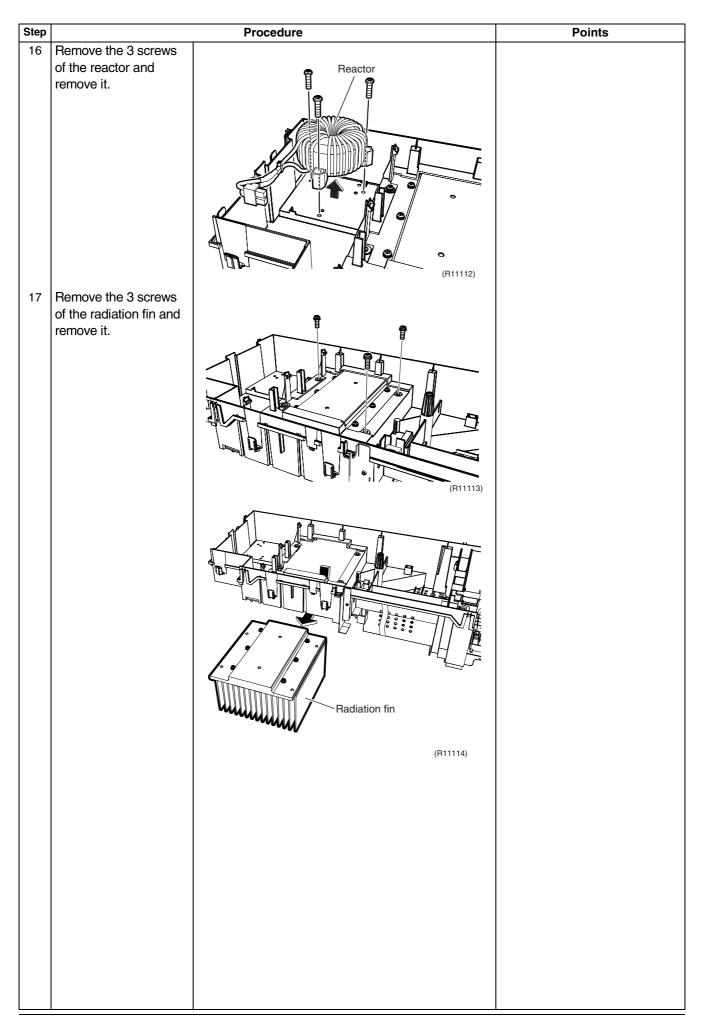
Removal of PCBs Si12-996



Si12-996 Removal of PCBs



Removal of PCBs Si12-996

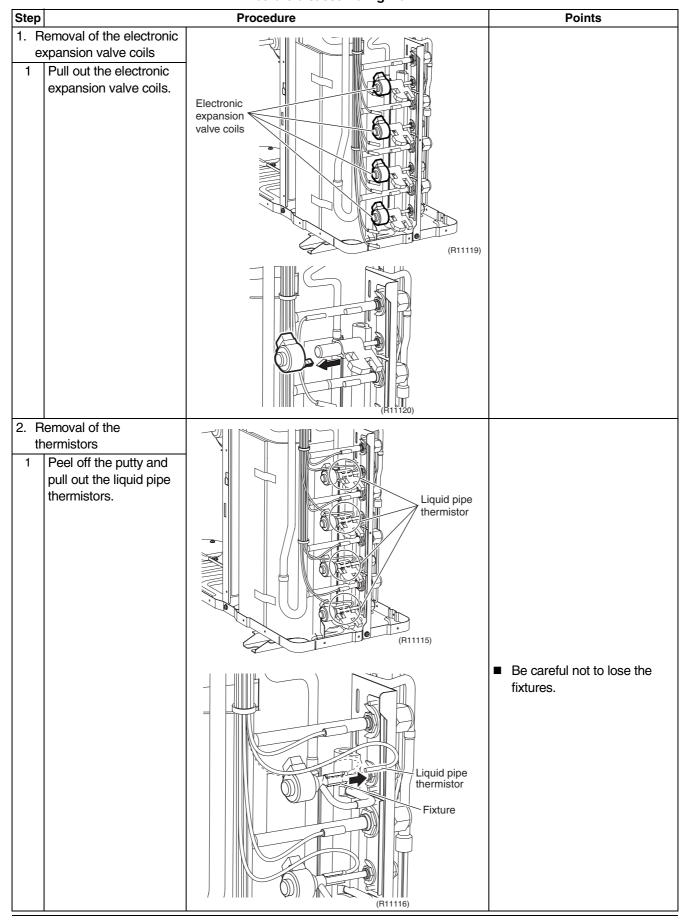


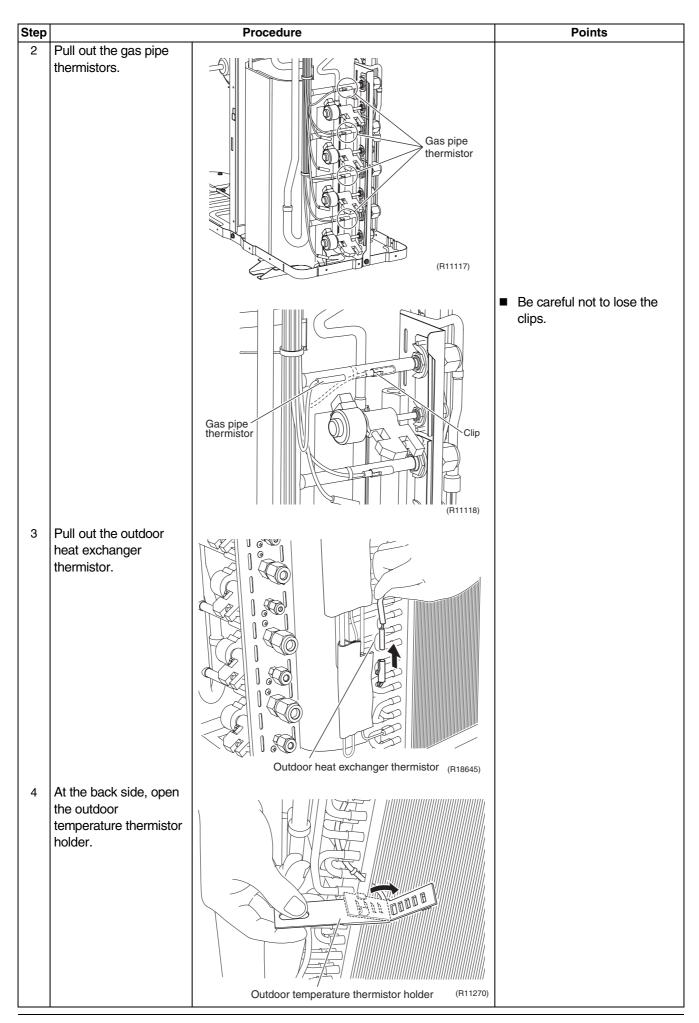
## 5. Removal of Coils / Thermistors

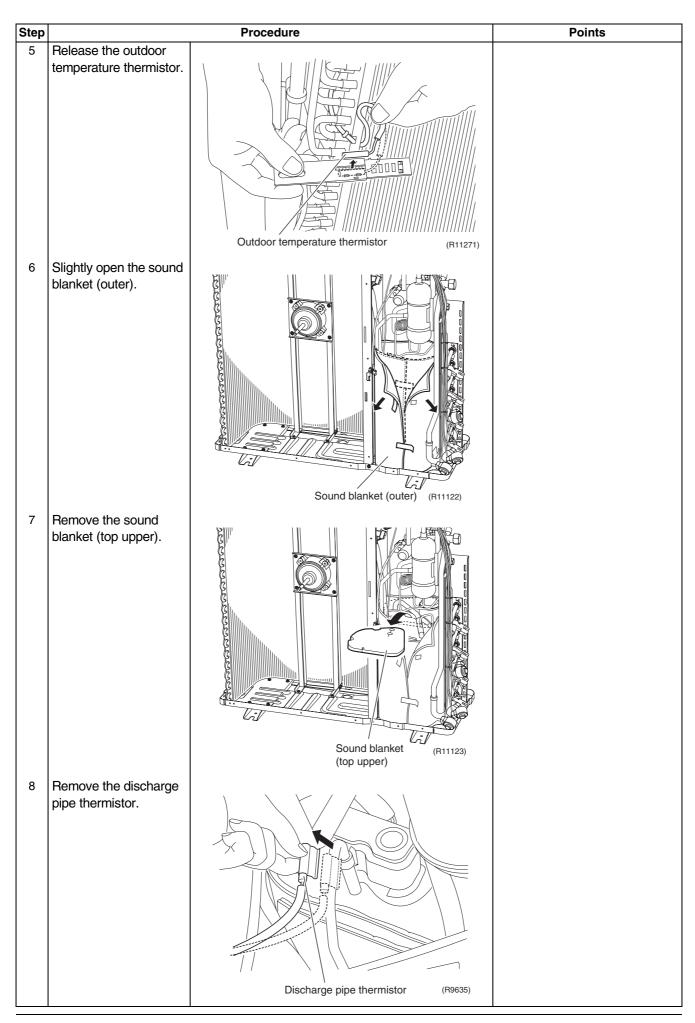
**Procedure** 

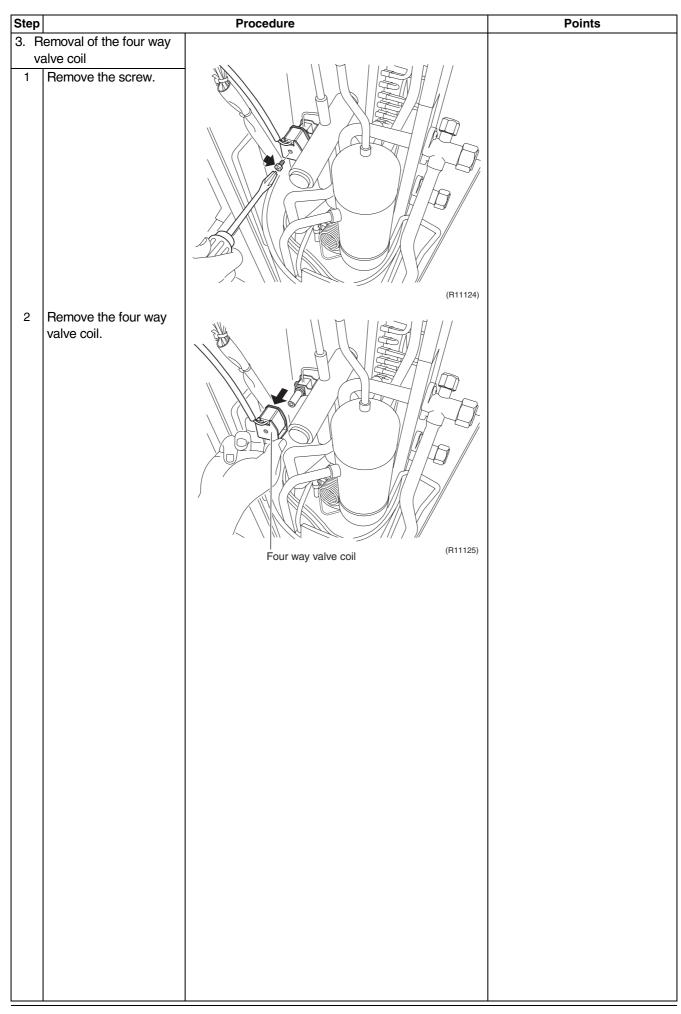
/ Warning

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









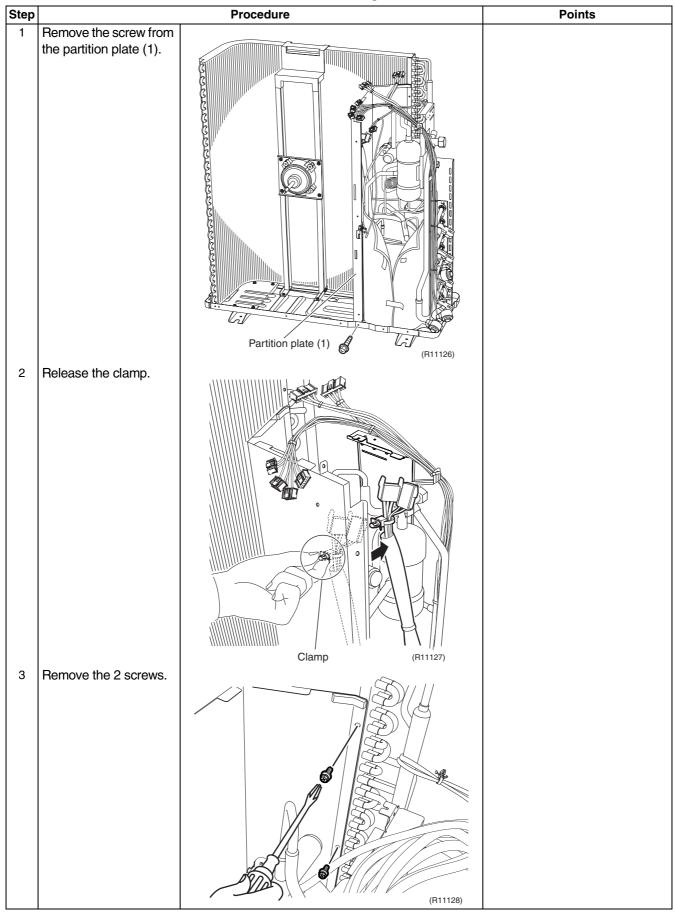
Si12-996 Removal of Sound Blanket

### 6. Removal of Sound Blanket

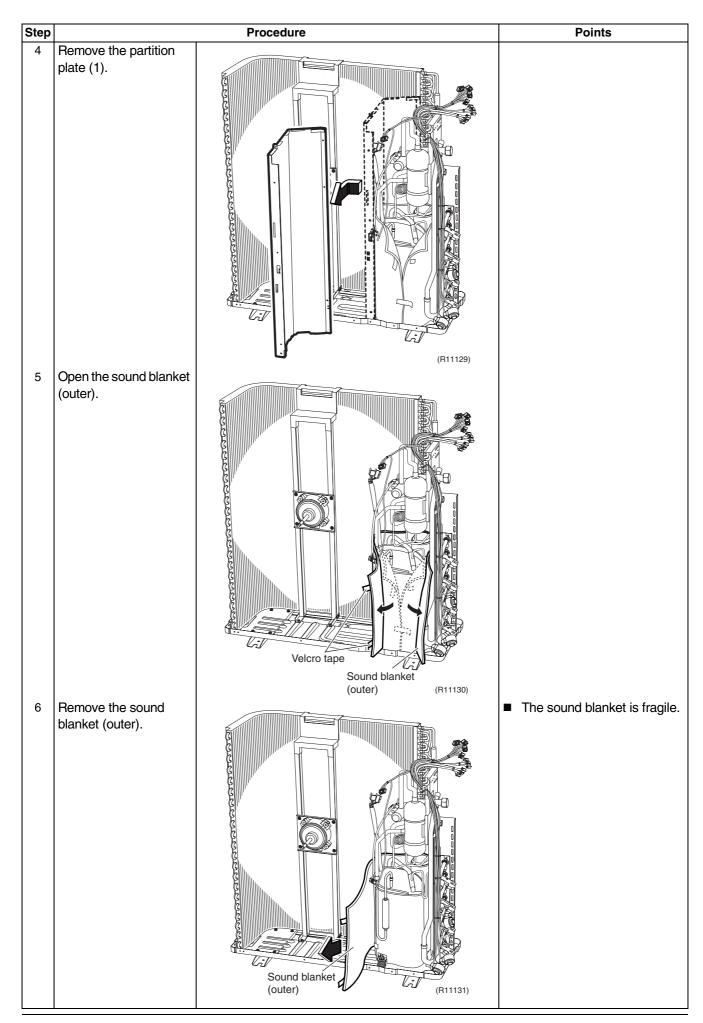
**Procedure** 

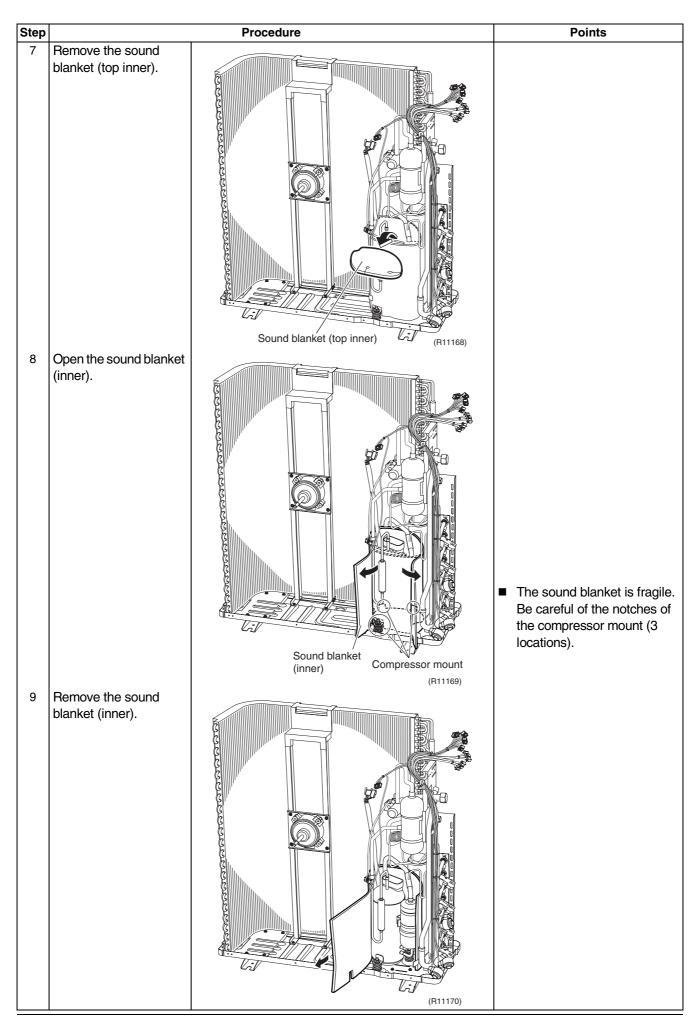
**Warning** 

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Removal of Sound Blanket Si12-996





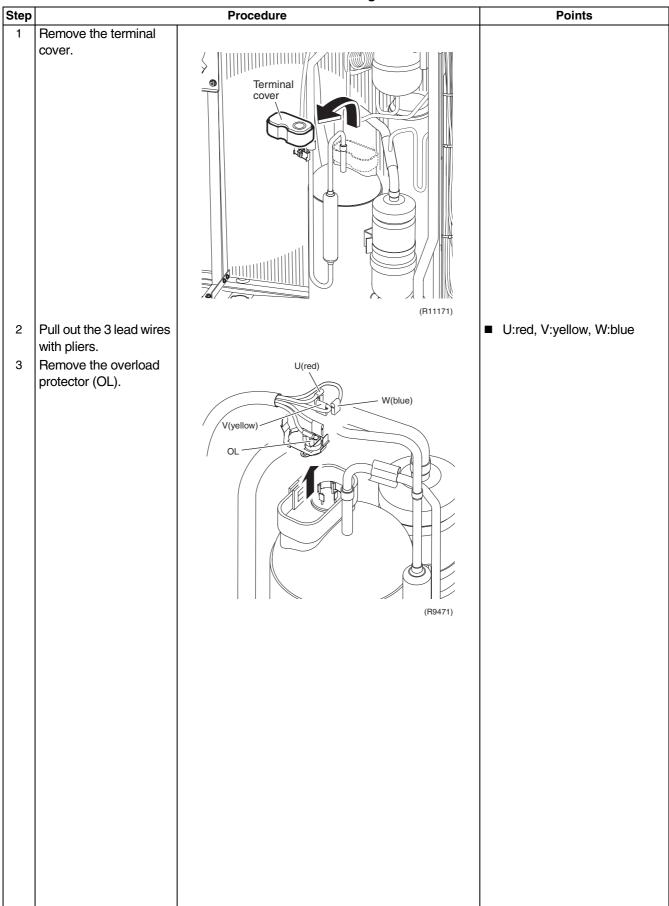
Removal of Compressor Si12-996

## 7. Removal of Compressor

**Procedure** 

**V** Warning

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



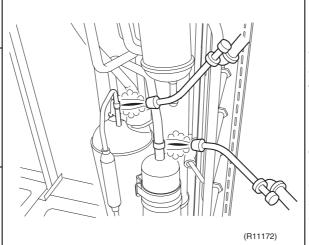
**Removal of Compressor** 

# Step 4 Heat up the brazed part and withdraw the piping with pliers. ■ Before working, make sure that the refrigerant is empty in the circuit. ■ Be sure to apply nitrogen replacement when heating up the brazed part. Warning

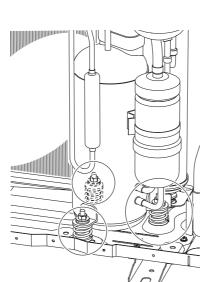
Warning
If refrigerant gas leaks
during the work,
ventilate the room. (If
the refrigerant gas is
exposed to flame,
noxious gas may be
generated.)

Remove the 3 nuts.

5



**Procedure** 



**Points** 

Caution
Be careful not to burn
yourself with the pipes and
other parts that are heated by
the gas welding rod.

Caution
From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to recover the refrigerant gas with the recovery system.

#### Reassembling precautions

- Use non-oxidizing brazing method. If nitrogen gas is not available, braze the parts quickly.
- Avoid deterioration of the gaskets due to carbonization of oil inside the four way valve or thermal influence.
   For this purpose, wrap the four way valve with wet cloth. Splash water over the cloth against becoming too hot (keep it below 120°C).
- In pulling the pipes, be careful not to over-tighten them with pliers. The pipes may get deformed.

If the gas welding machine fails to remove the four way valve, take the steps below.

- Disconnect the brazed pipe sections that are easy to separate and join together later.
- With a tube cutter, cut off the internal pipes to easily take out the four way valve.

#### Note:

Never use a metal saw. The sawdust may come into the circuit.

 Provide a protective sheet or a steel plate so that the brazing flame cannot influence peripheries.

# **Revision History**

Month / Year	Version	Revised contents
02 / 2013	Si12-996	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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