



## SERVICE MANUAL

# 80 kW Class 30000 Btu/h Class



Outdoor Unit



Inverter



Multi Type





# Service Manual Removal Procedure

# **Outdoor Unit**

## **Applicable Models**

●Cooling Only 3MWKS30KV1S 3MWKS80KV1

●Water Heater TUL-55KVM TUL-75KVM TUL-100KVM

TUR-55KVM TUR-75KVM TUR-100KVM

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2		oval of Water Heater	
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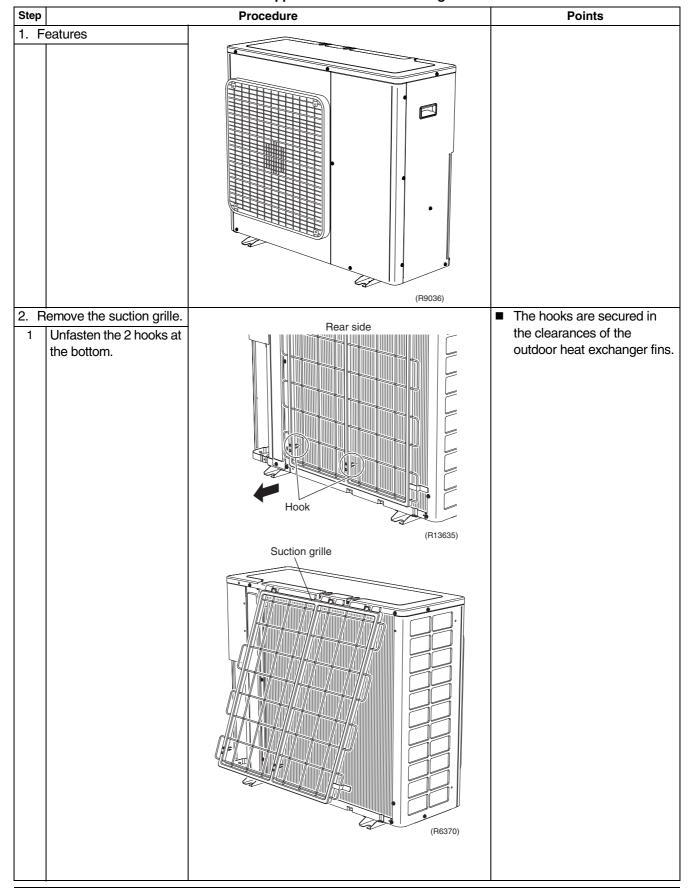
Note: • The illustrations may be slightly different depending on the model.

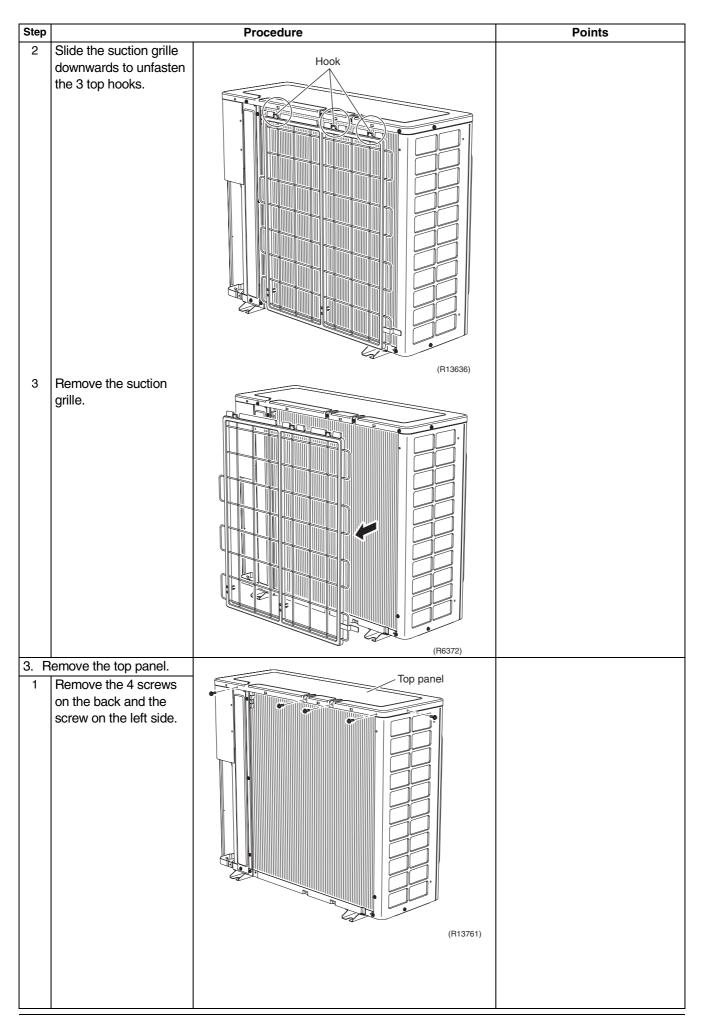
## 1. Outdoor Unit

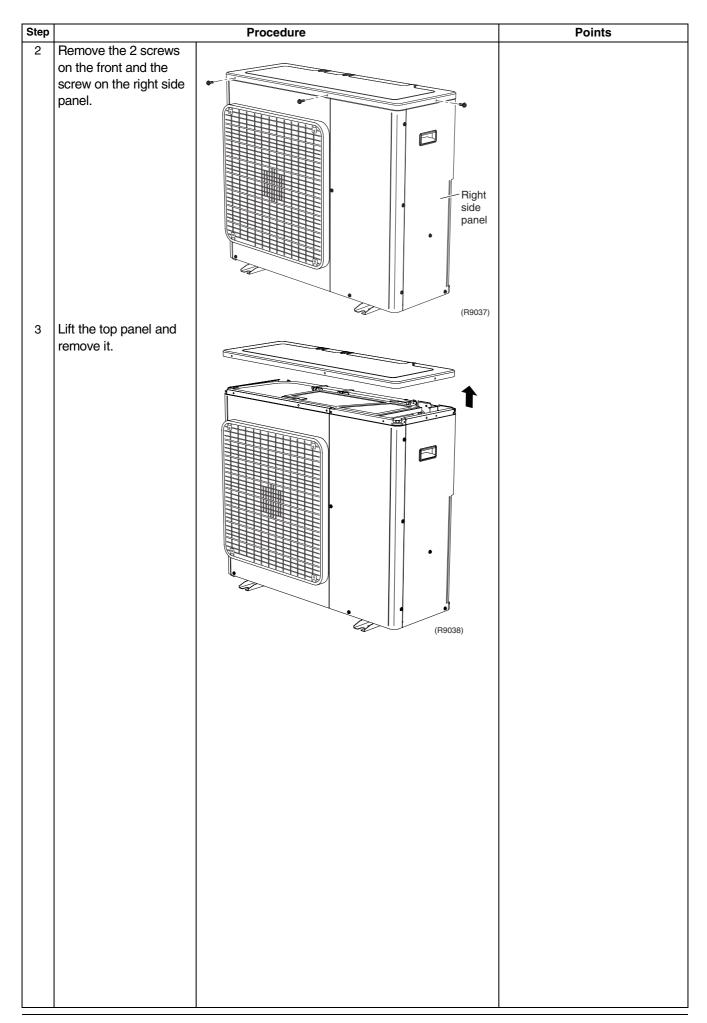
## 1.1 Removal of Outer Panels / Outdoor Fan

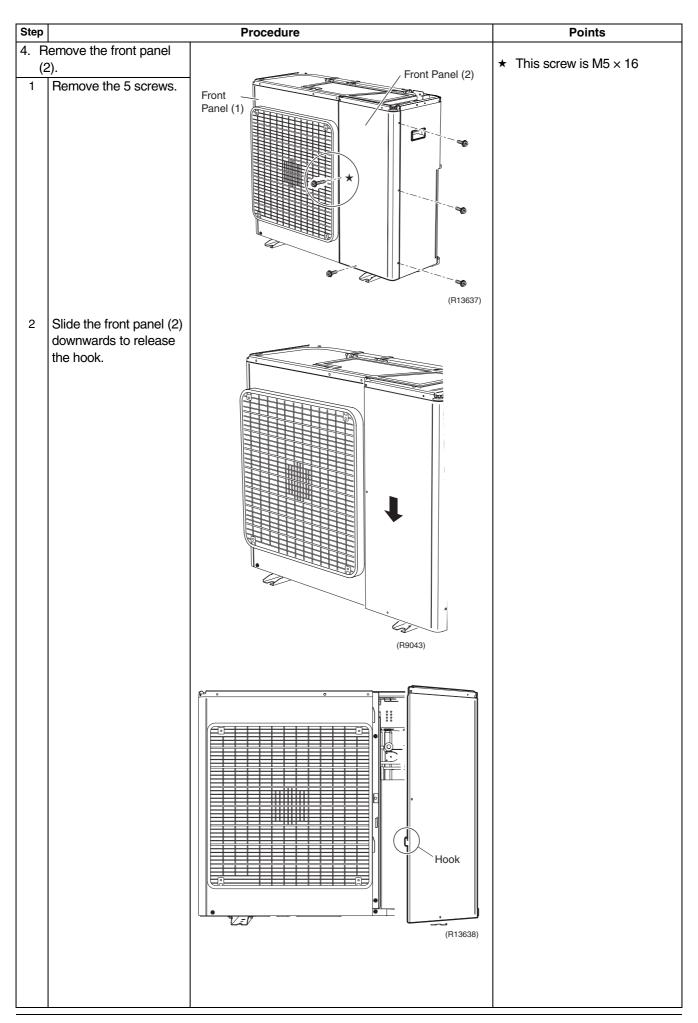
**Procedure** 

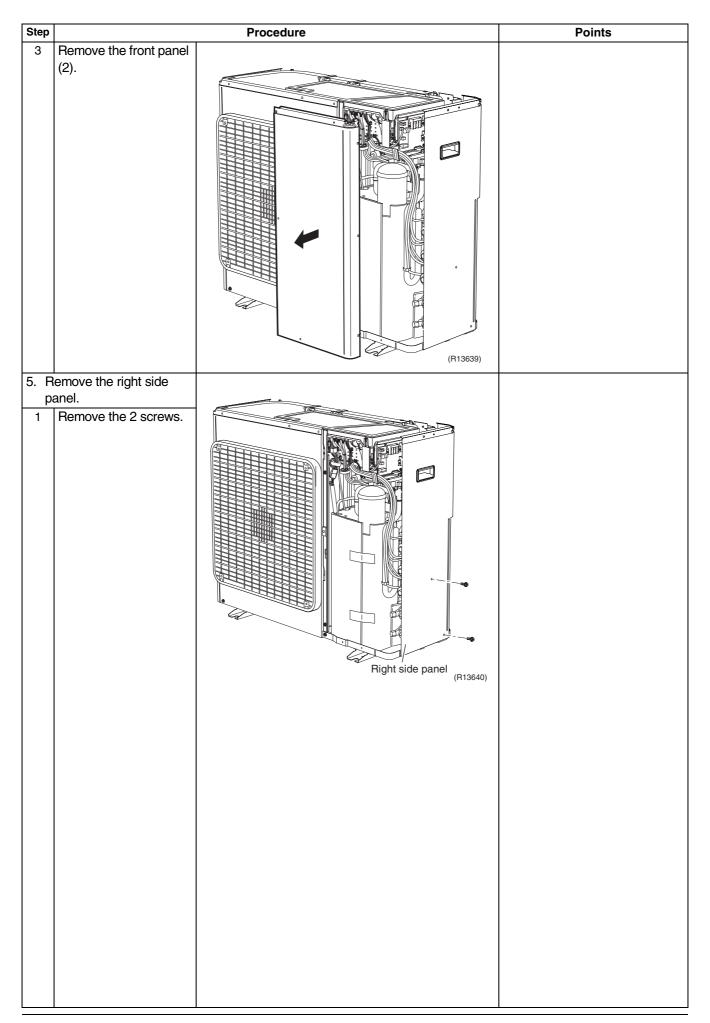
Warning Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

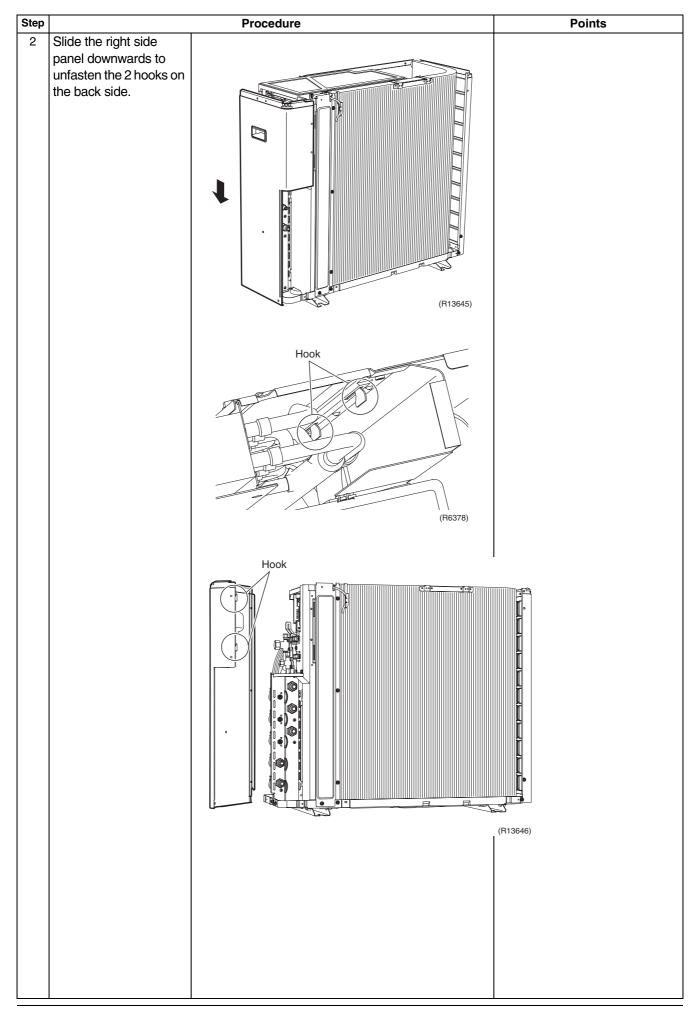


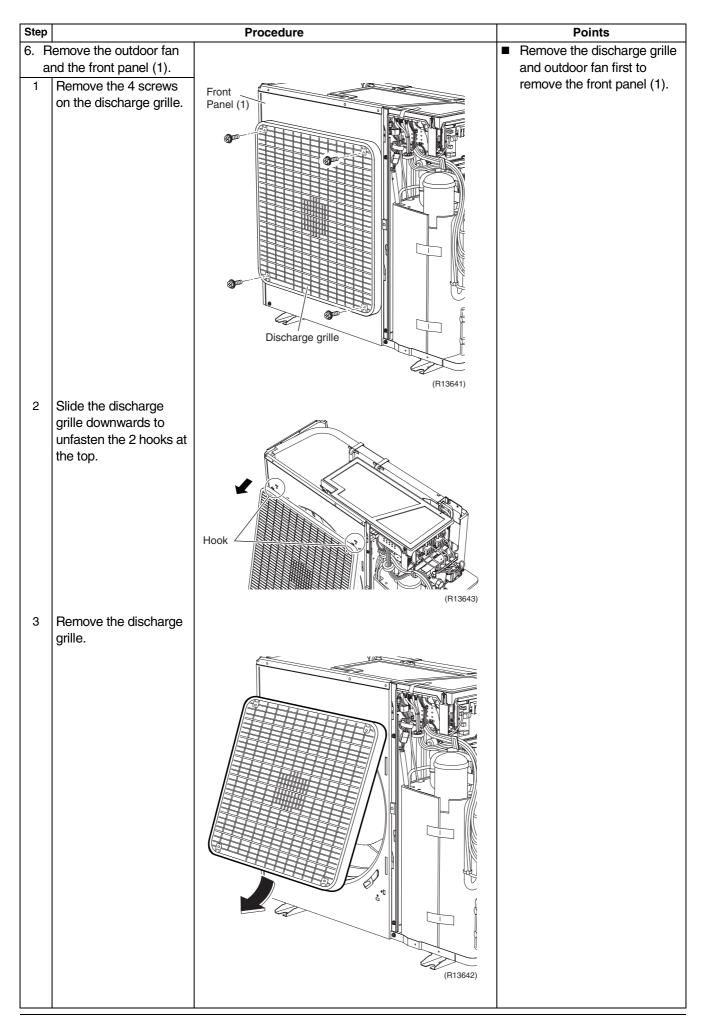


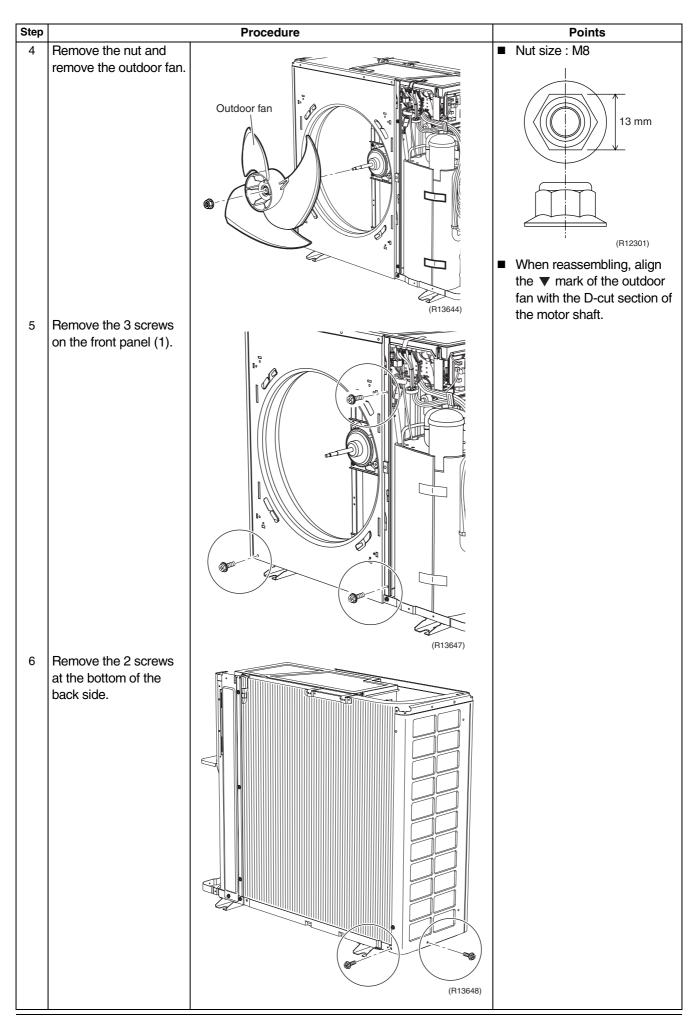


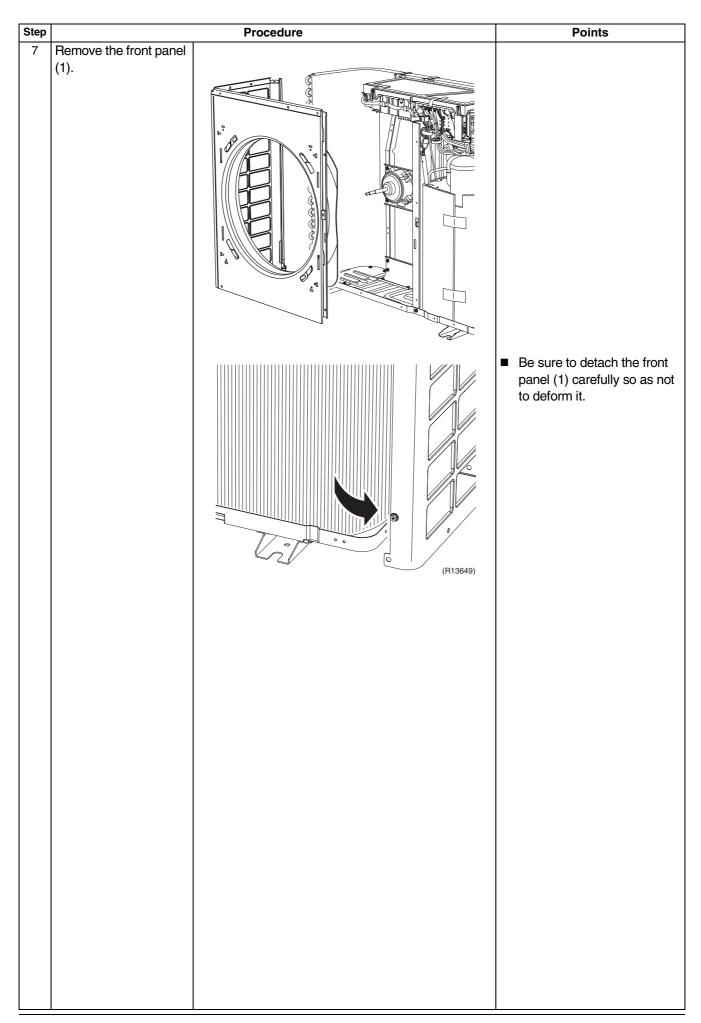


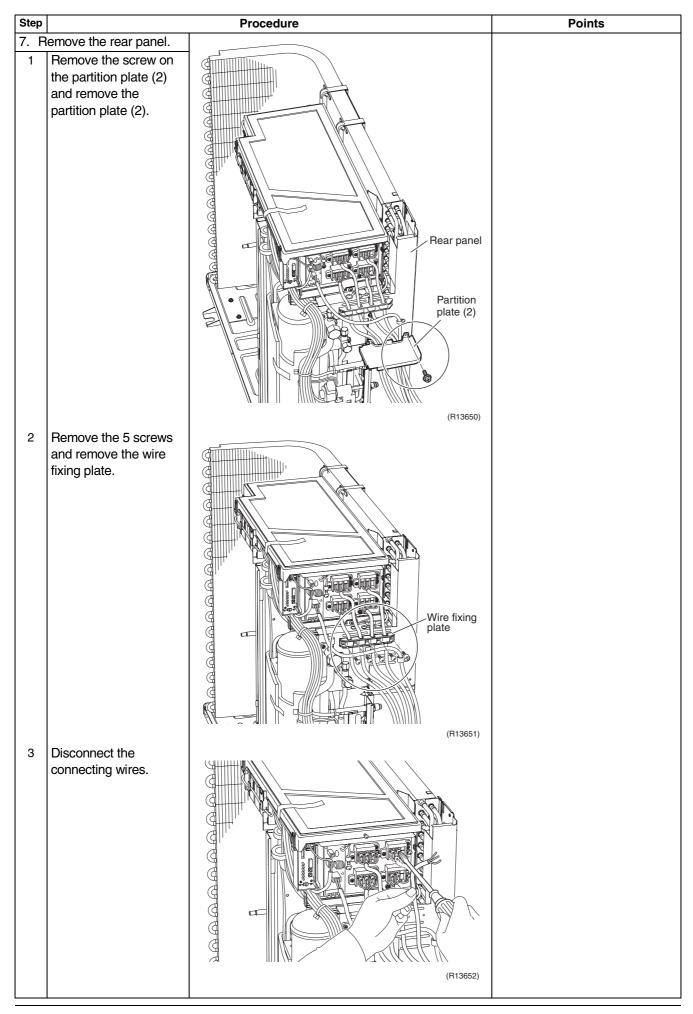


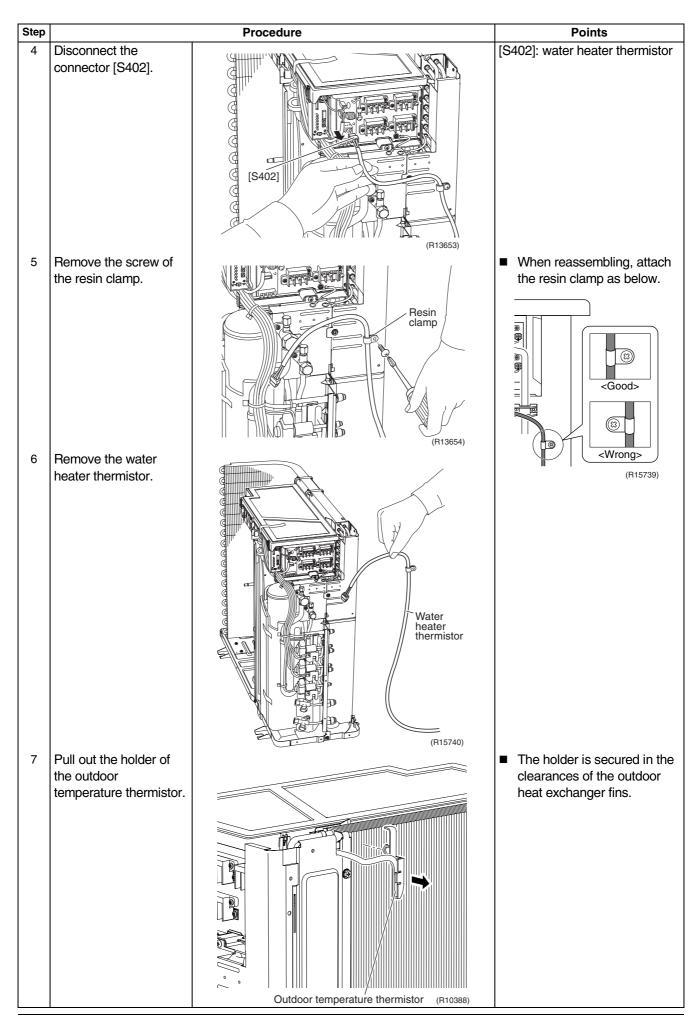


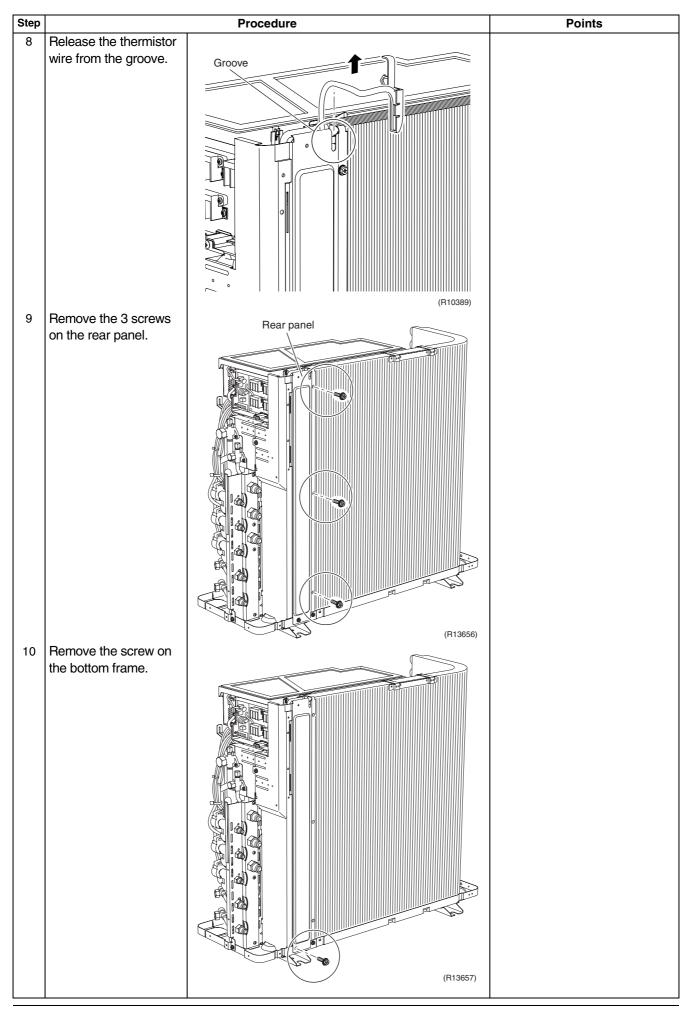


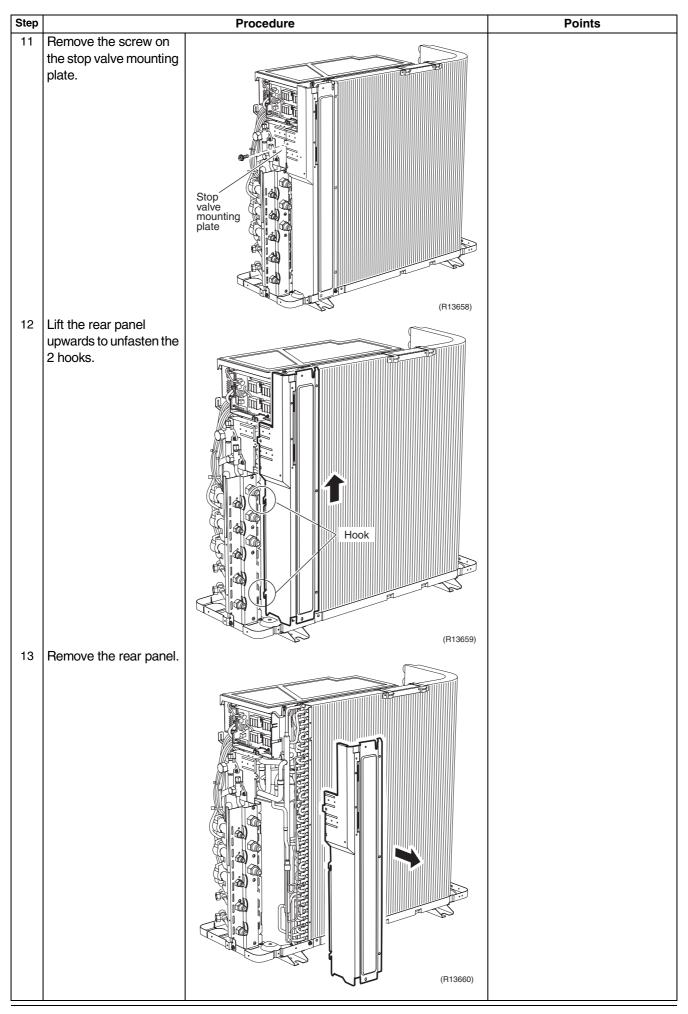










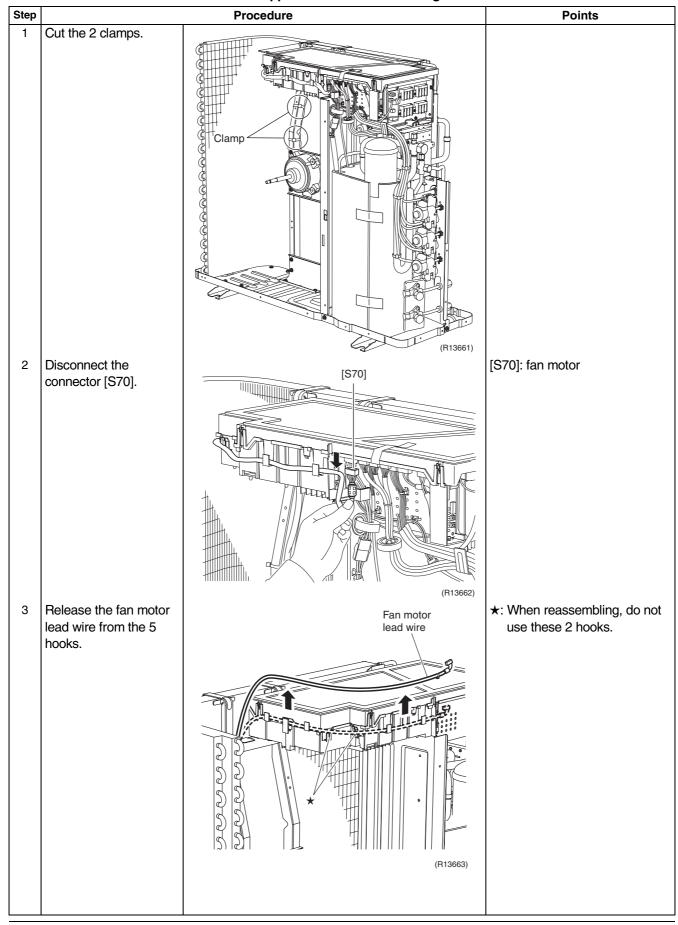


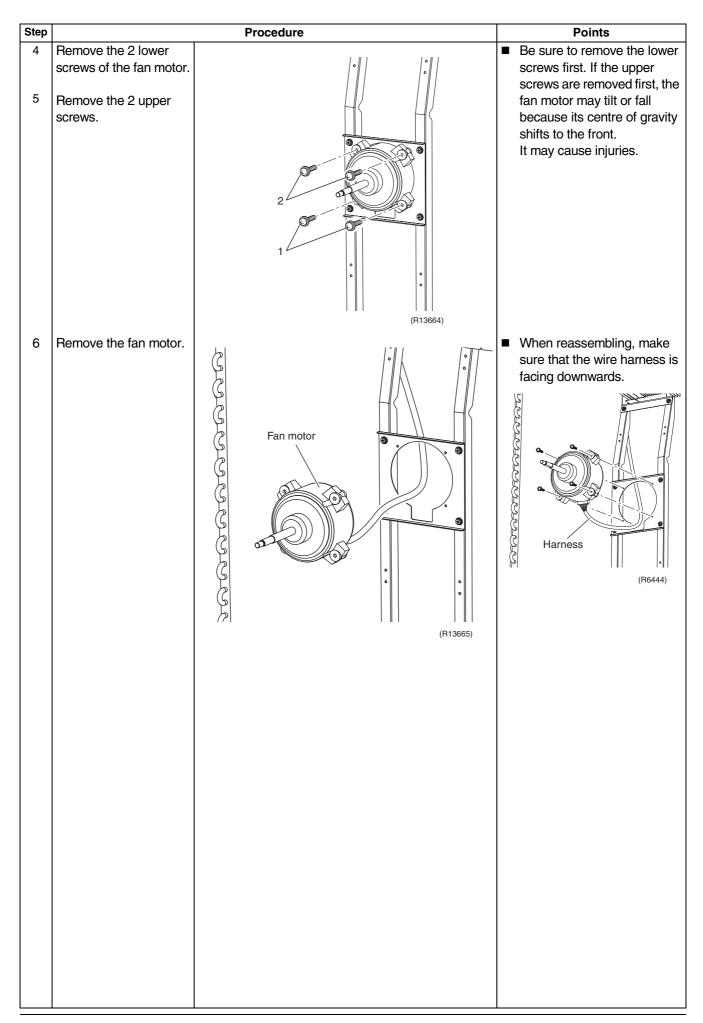
## 1.2 Removal of Fan Motor

**Procedure** 

Warning |

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



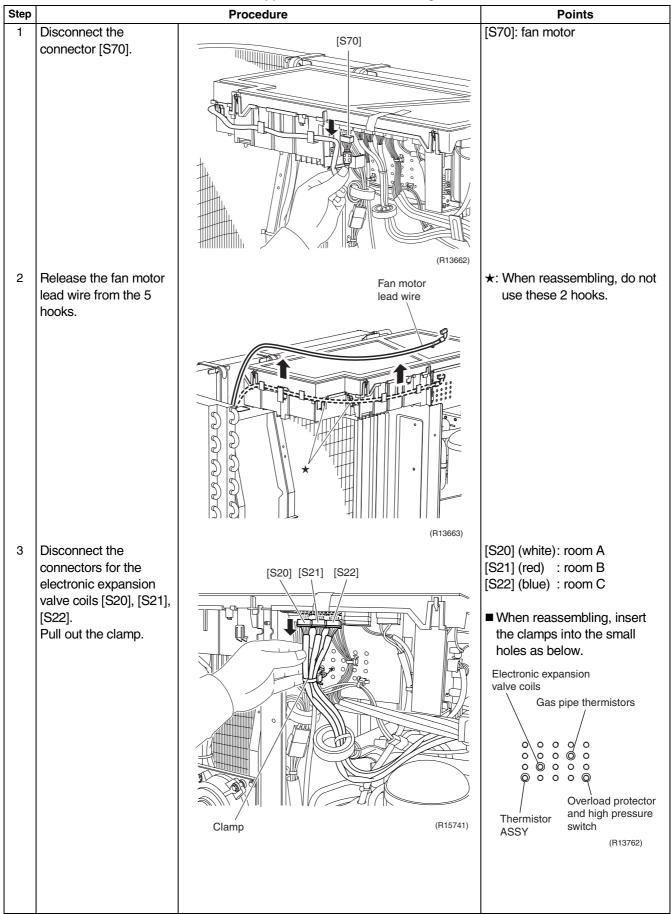


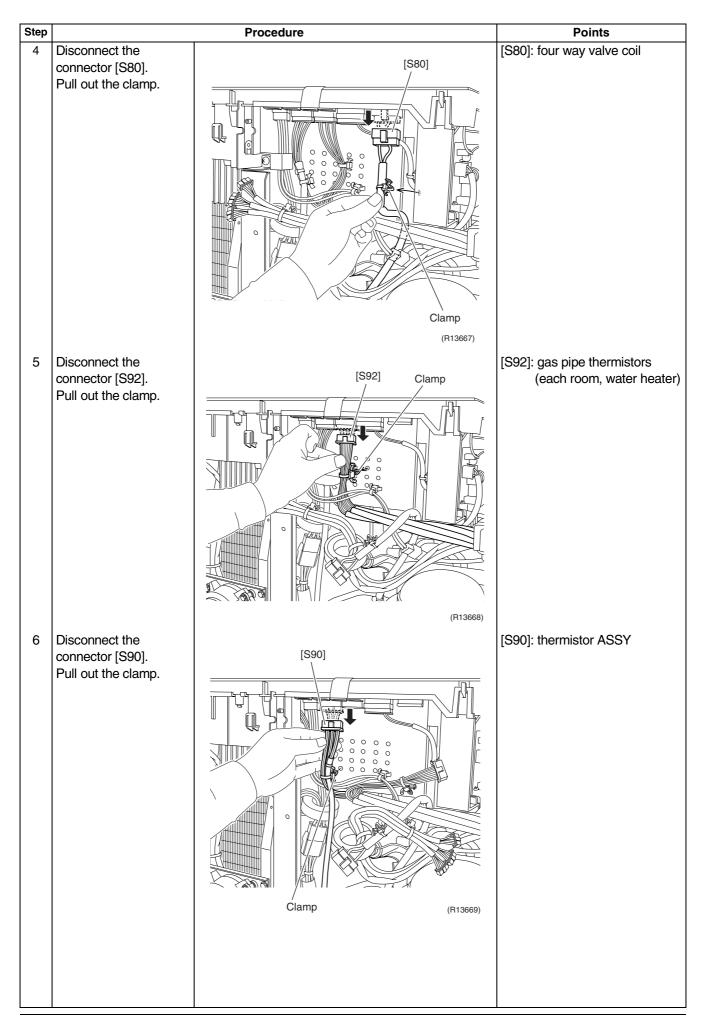
## 1.3 Removal of Electrical Box

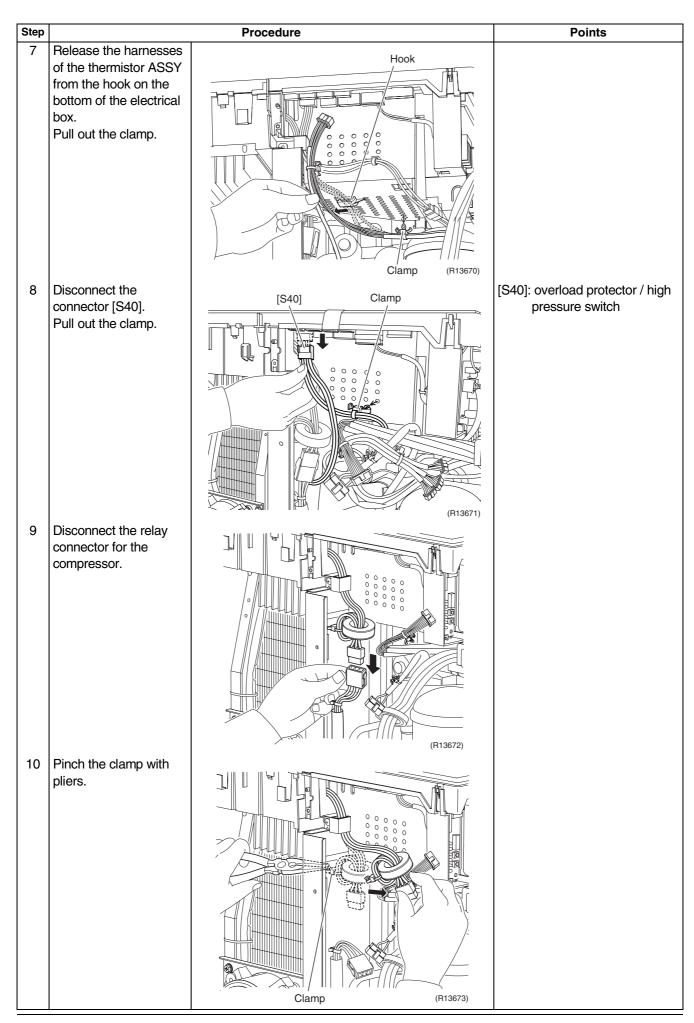
#### **Procedure**

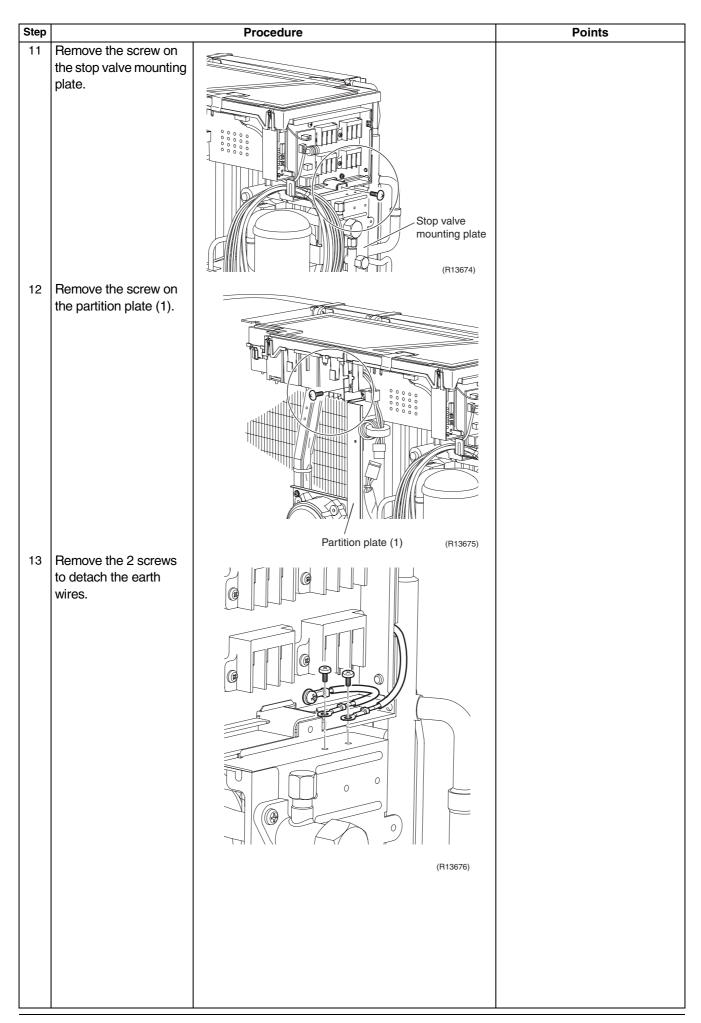
**Warning** 

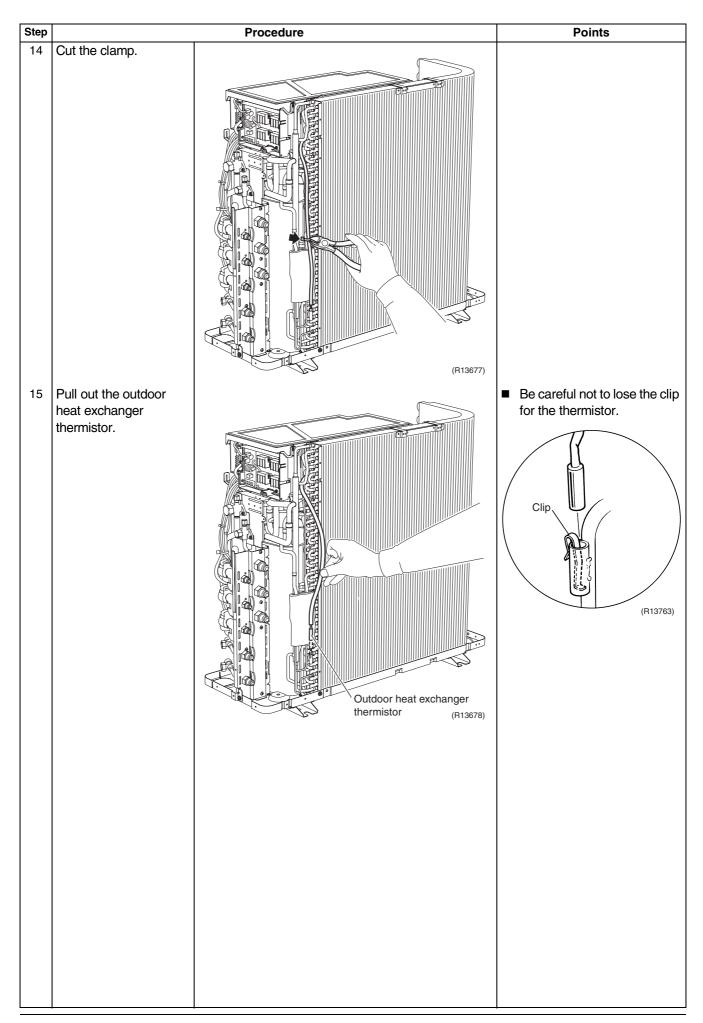
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

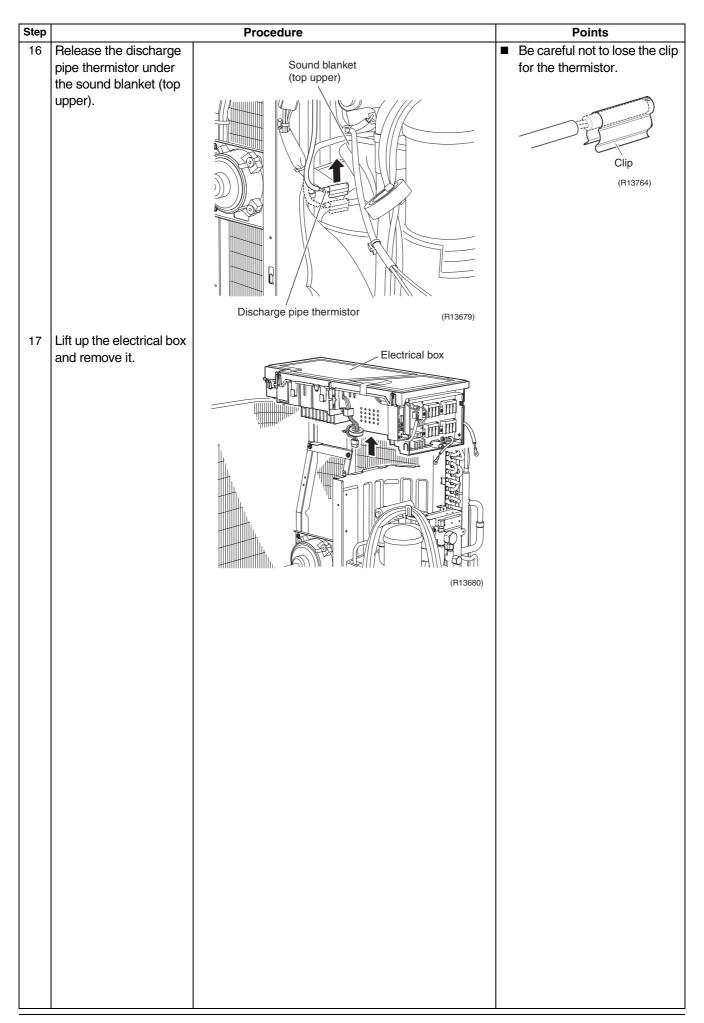










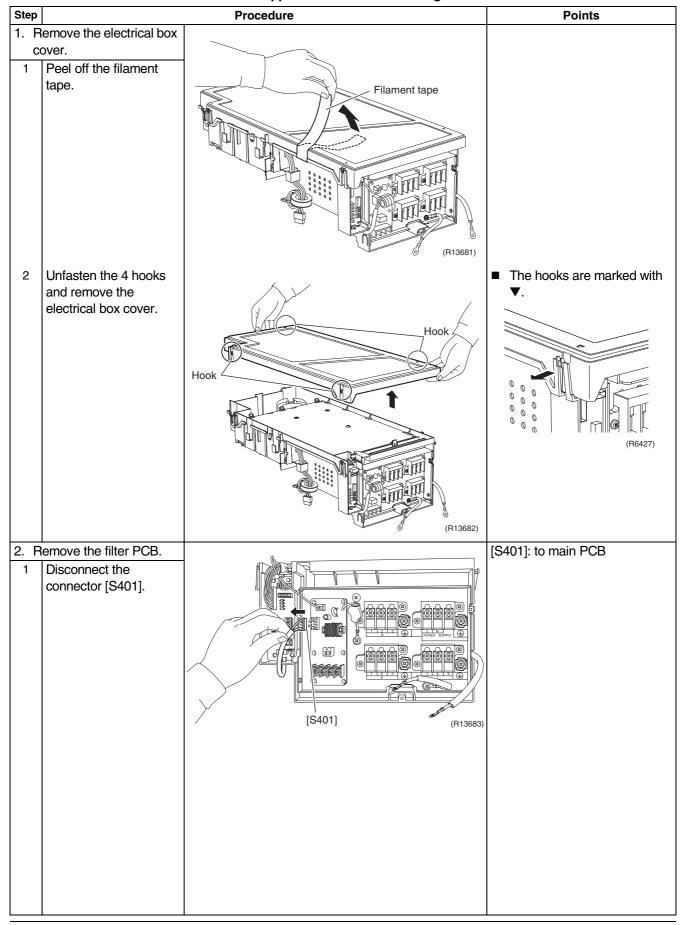


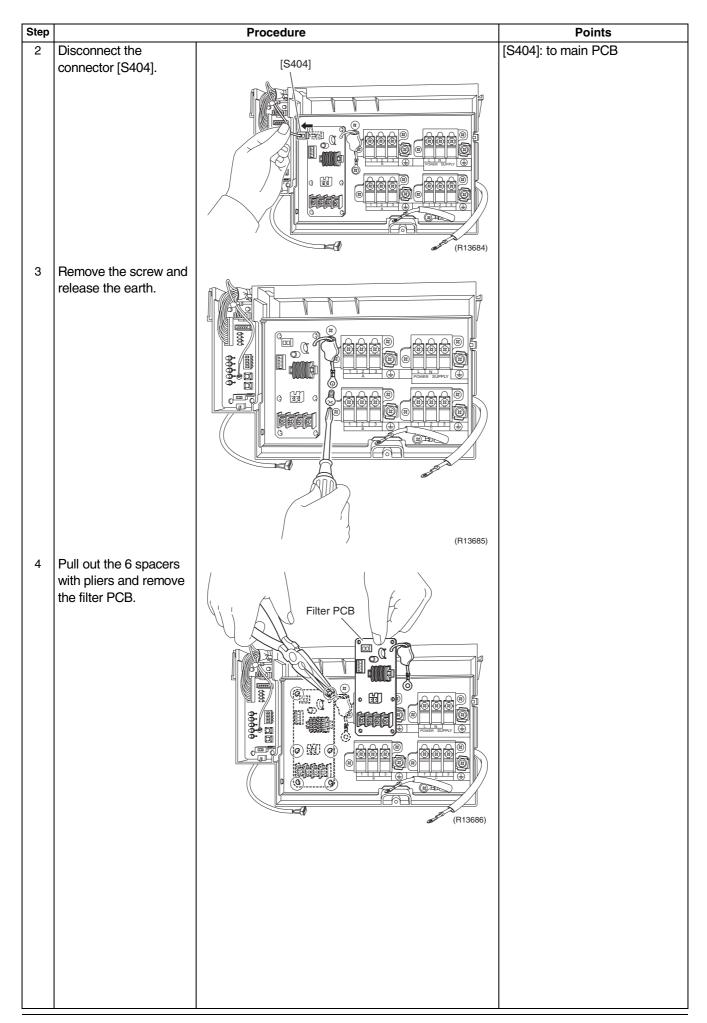
## 1.4 Removal of PCBs

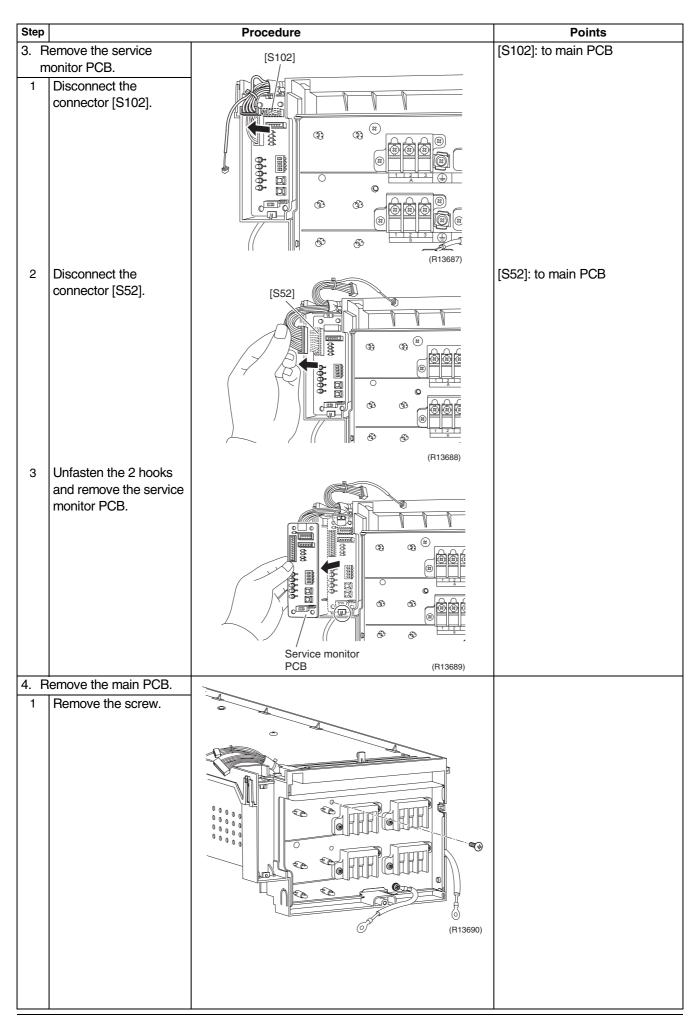
### **Procedure**

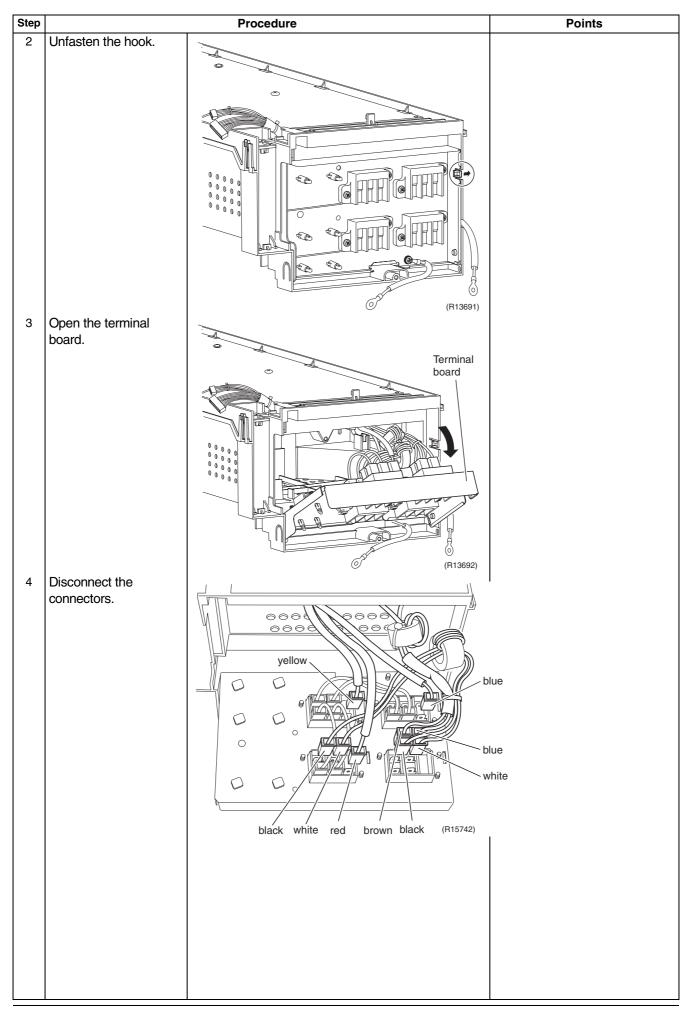
**V** Warning

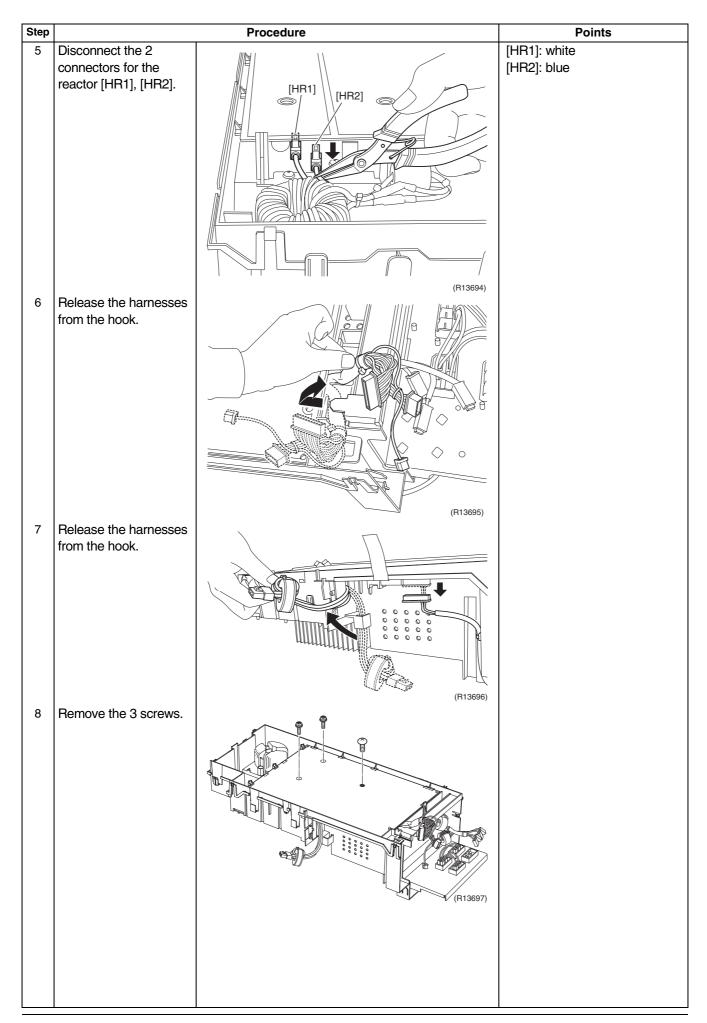
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

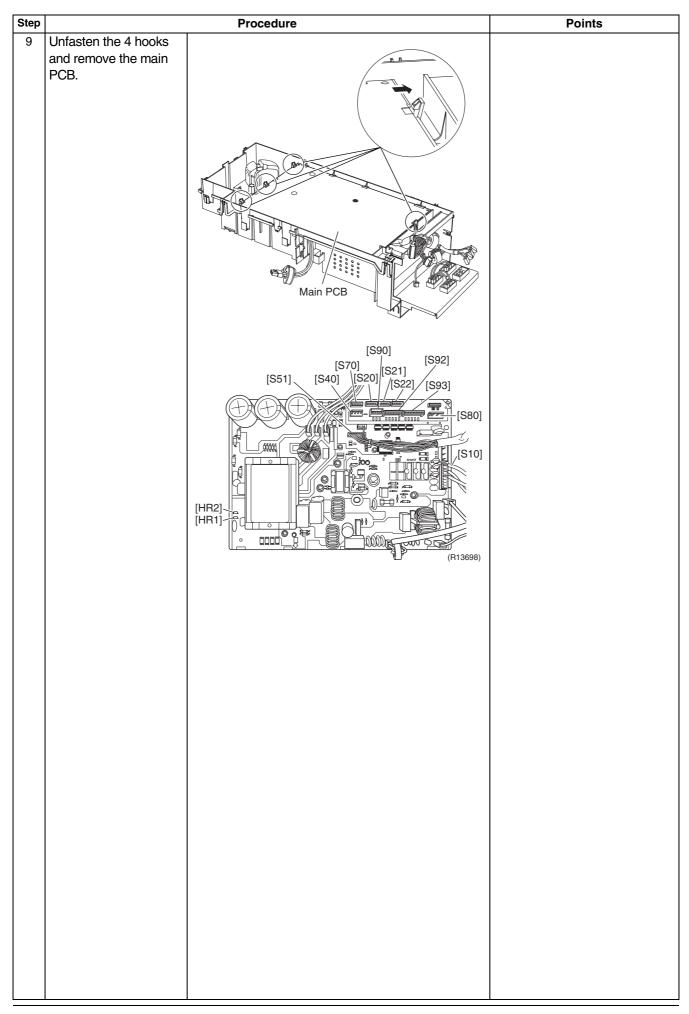










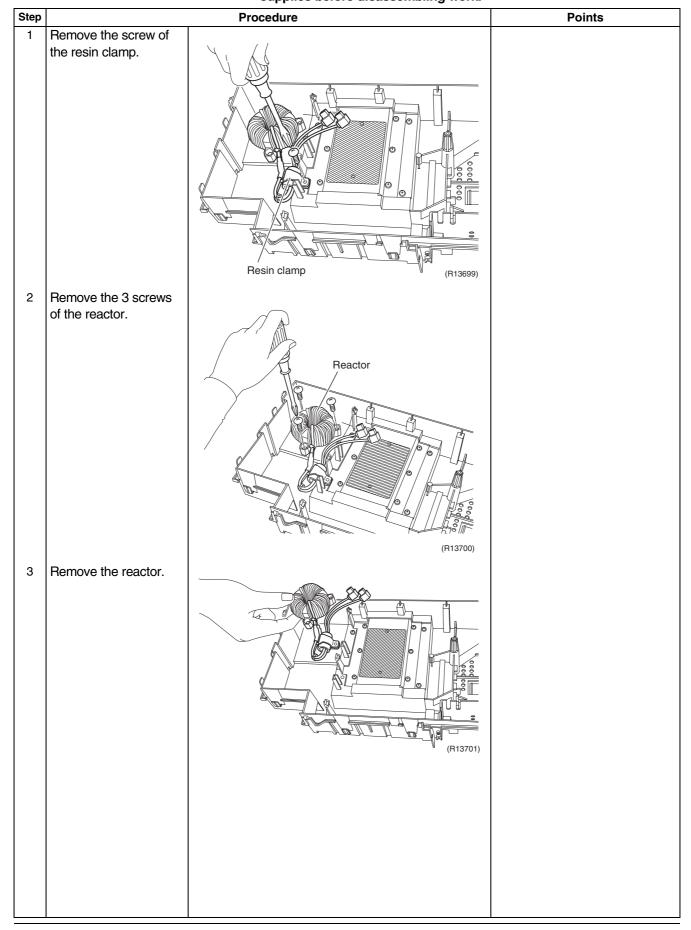


## 1.5 Removal of Reactor

**Procedure** 

Warning

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

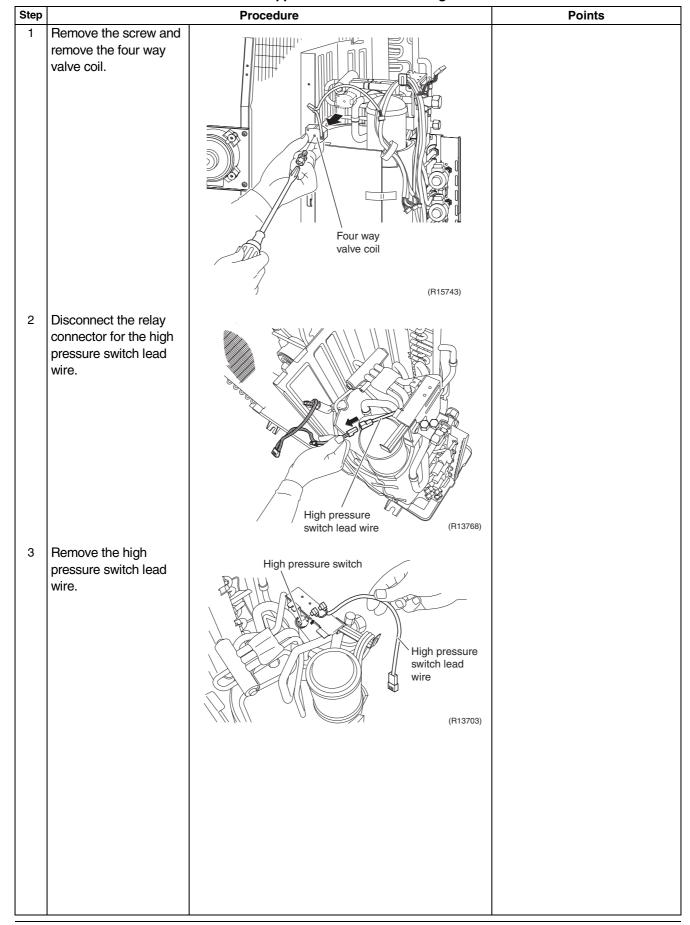


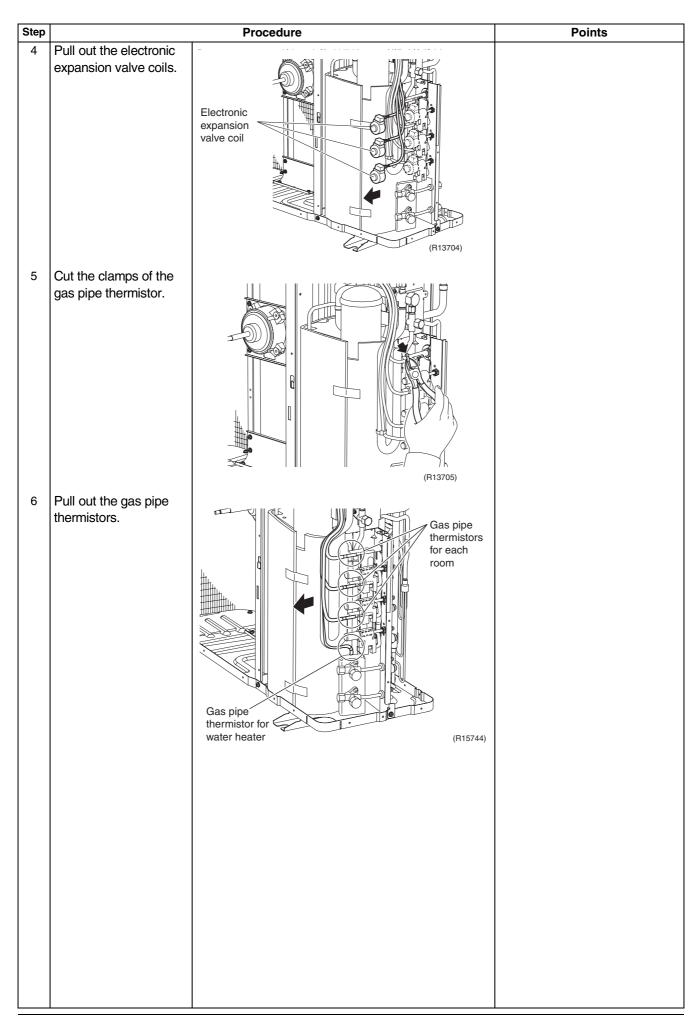
## 1.6 Removal of Coils / Thermistors

**Procedure** 

Warning

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



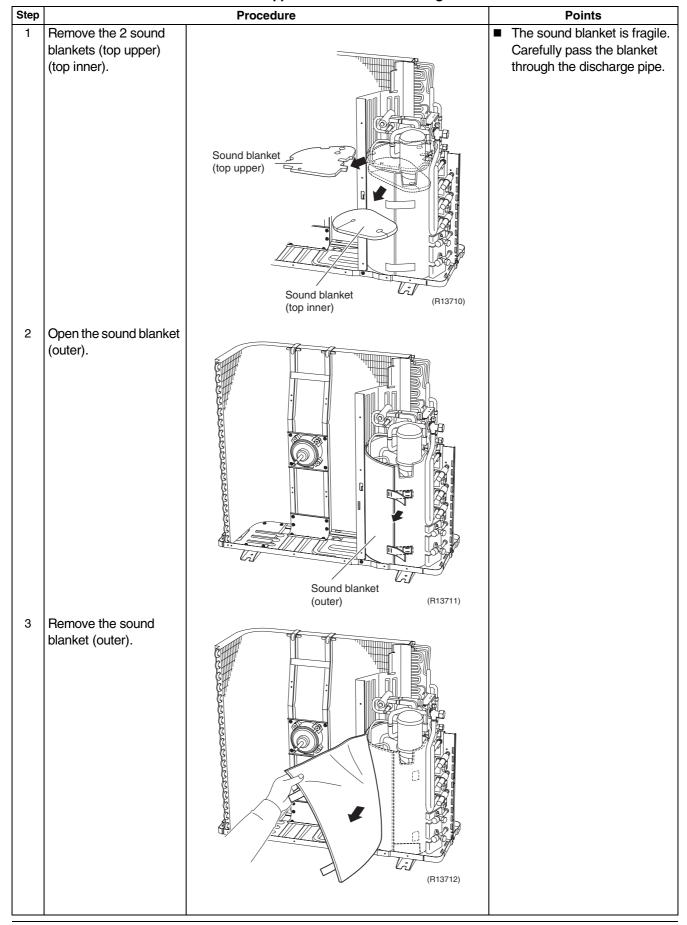


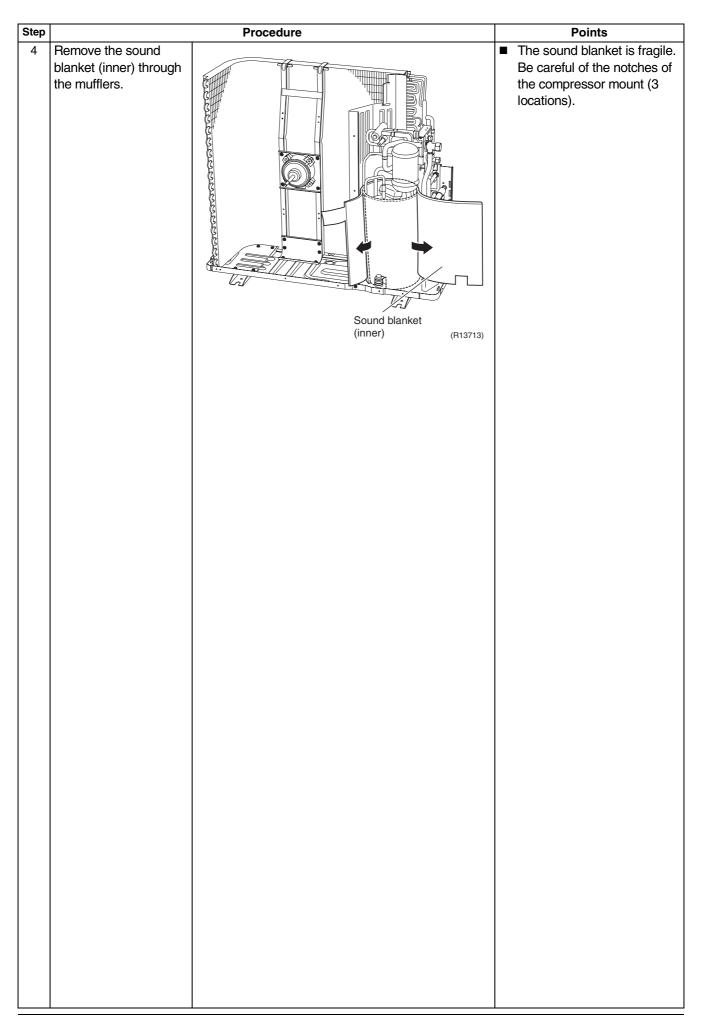
## 1.7 Removal of Sound Blankets

**Procedure** 

**∕** Warning

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



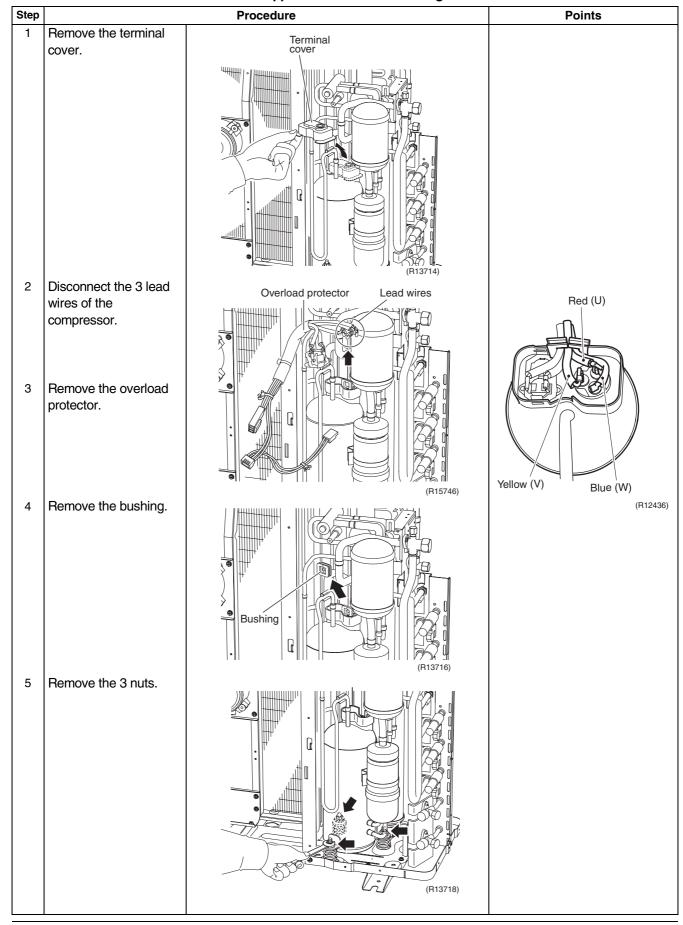


## 1.8 Removal of Compressor

### **Procedure**

Warning

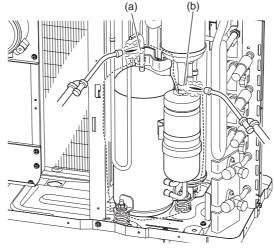
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



**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 of the discharge side and disconnect the part
- 7 Heat up the brazed part of the suction side and disconnect the part (b).
- Lift the compressor up to remove.



(R13717)

#### Note:

- Do not use a metal saw for cutting pipes by all means because the
- pipes, be careful not to pinch them firmly with pliers. The pipes may get
- or a steel plate so that the brazing flame cannot
- burn the compressor the heat exchanger fins.

#### **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 refrigerant gas.

#### **Cautions for restoration**

- 1. Restore the piping by nonoxidation brazing.
- 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 cloth does not dry.

### 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.

- sawdust may enter the circuit.
- When withdrawing the deformed.
- Provide a protective sheet influence peripheries.
- Be careful so as not to terminals, the name plate,

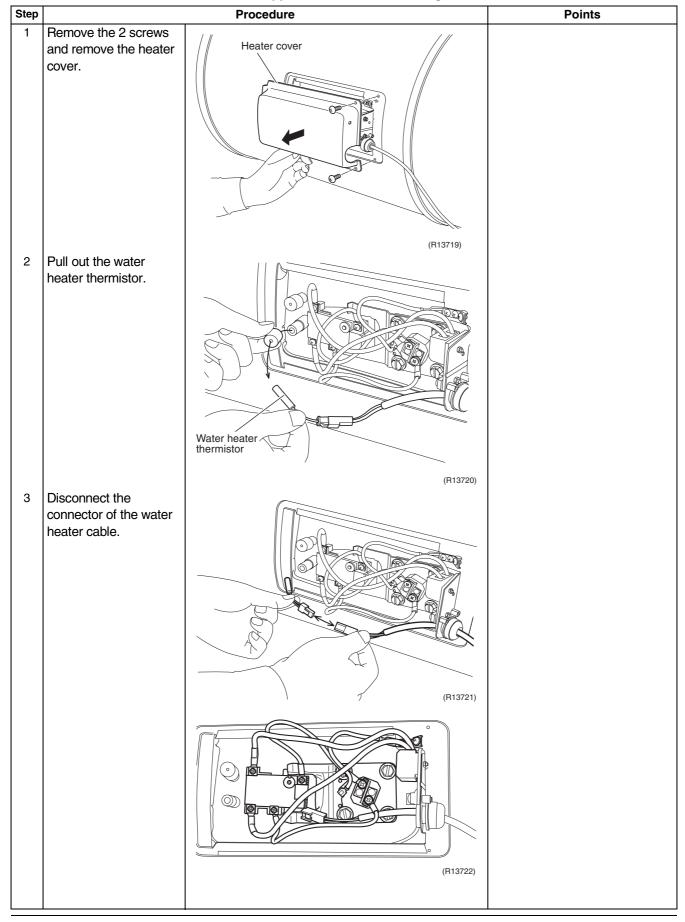
Removal of Water Heater Si121177

## 2. Removal of Water Heater

#### **Procedure**



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



# **Revision History**

Month / Year	Version	Revised contents
08/2012	Si121177	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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