



## 4.0/5.0 kW Class

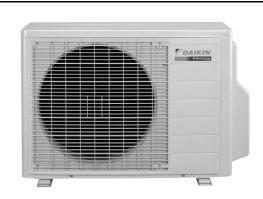




Inverter



Multi Type



# Service Manual Removal Procedure

# **Outdoor Unit**

## **Applicable Models**

●Heat Pump 2AMX40G2V1B 2AMX50G2V1B

2MXS40H2V1B 2MXS50H2V1B

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

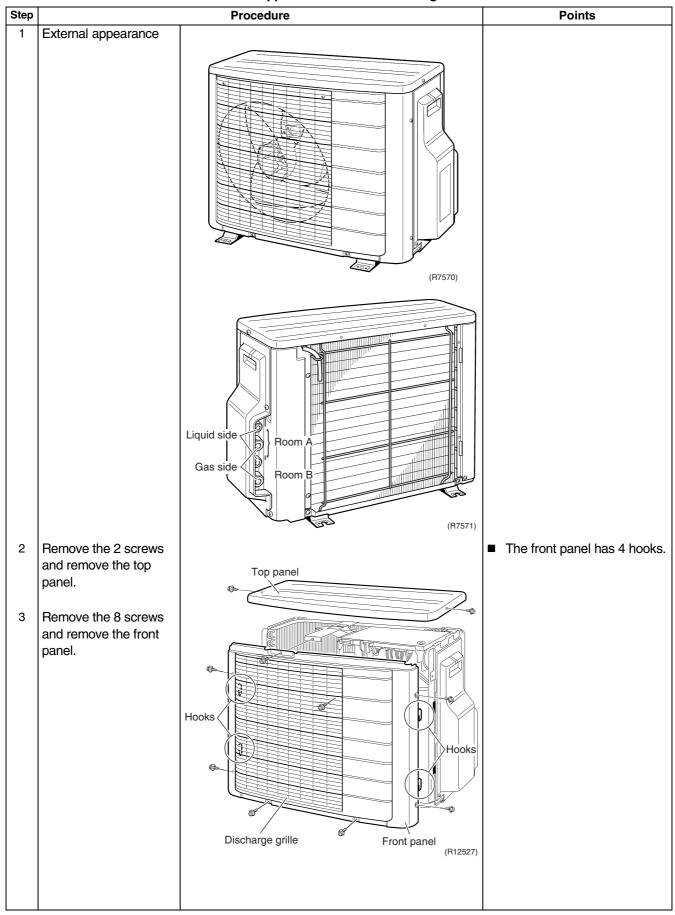
Removal of Outer Panels Si121173

## 1. Removal of Outer Panels

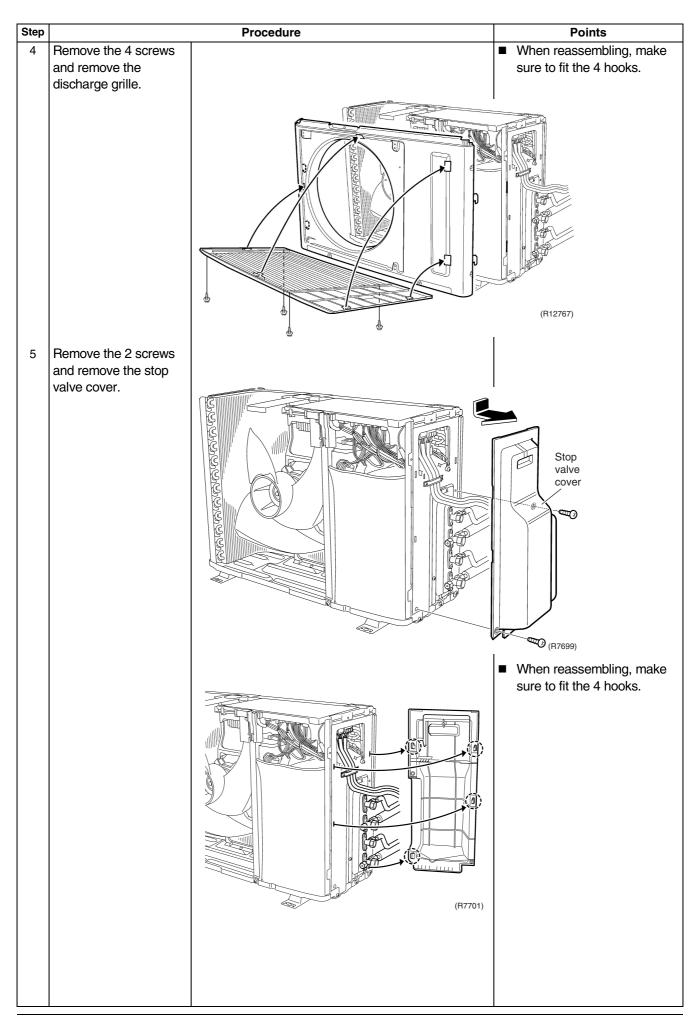
**Procedure** 

Warning

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



Si121173 Removal of Outer Panels



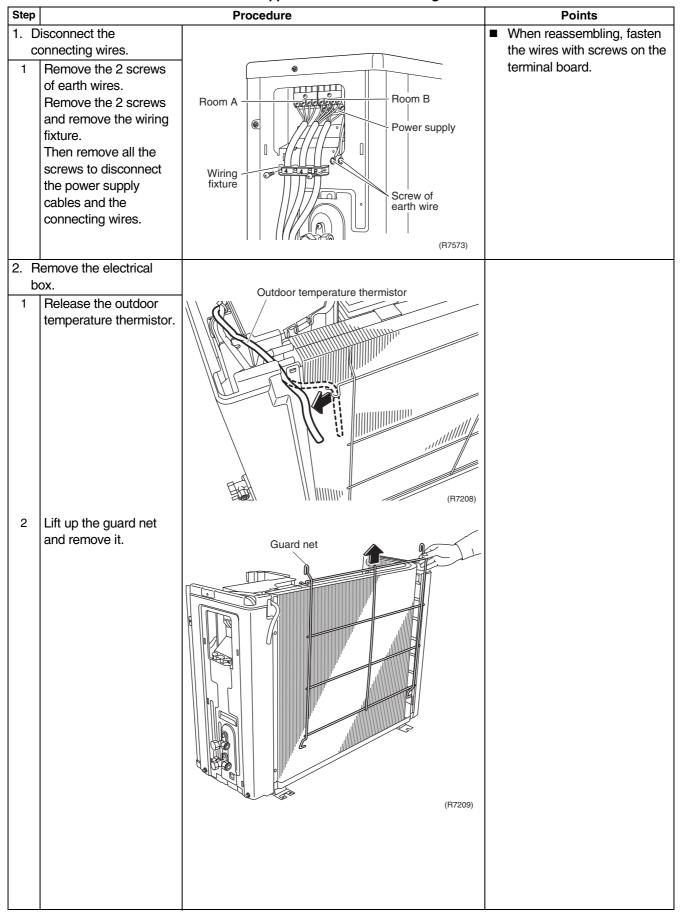
Removal of Electrical Box Si121173

## 2. Removal of Electrical Box

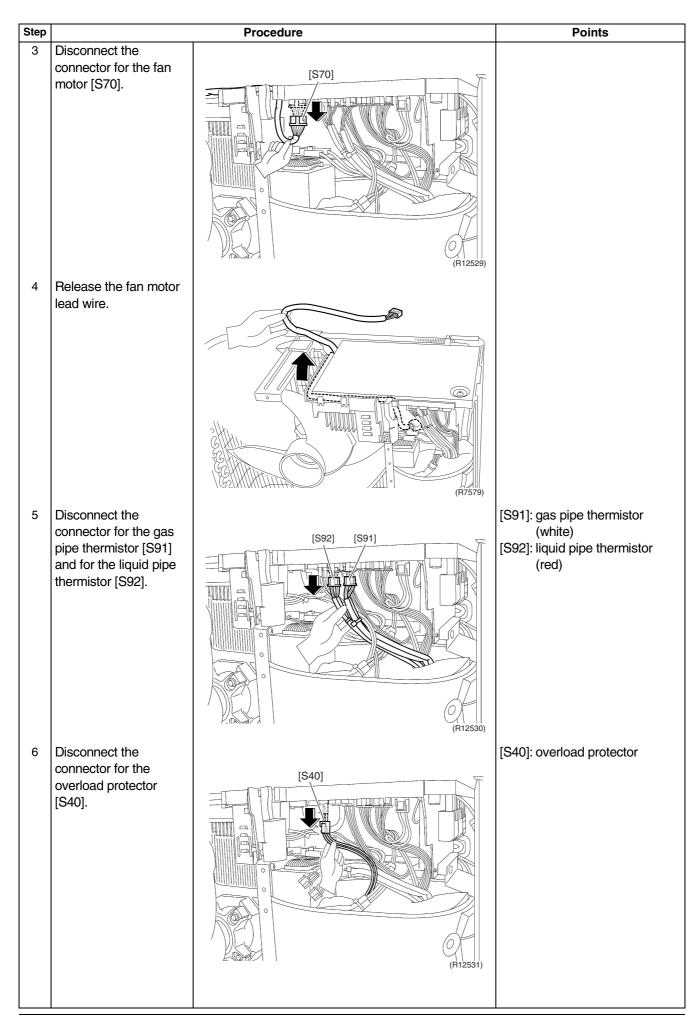
#### **Procedure**



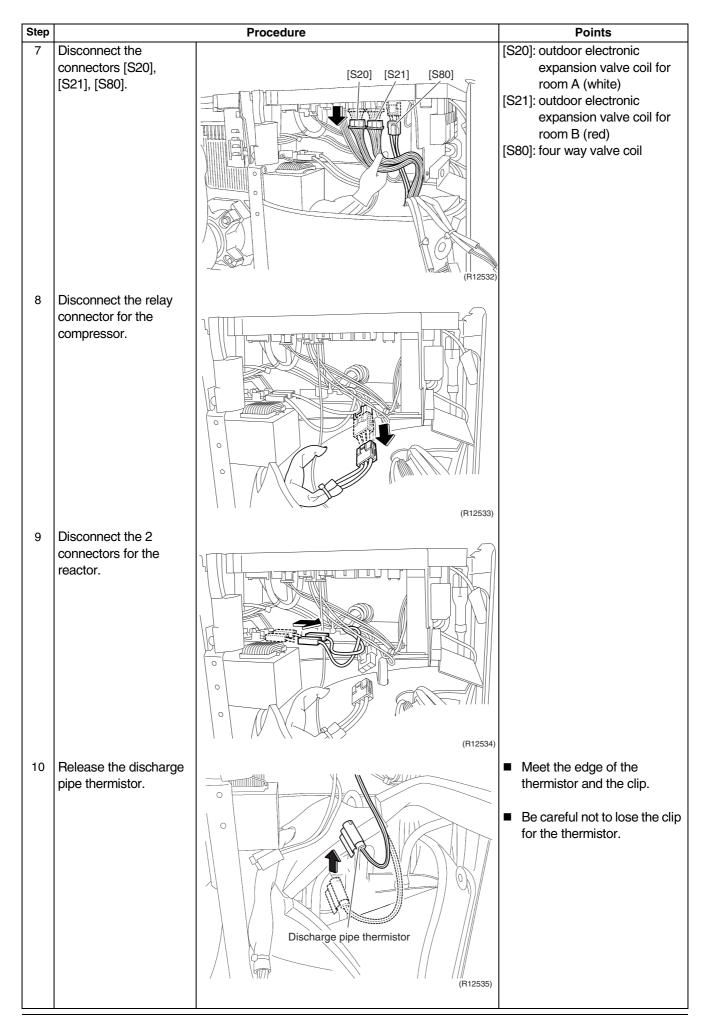
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



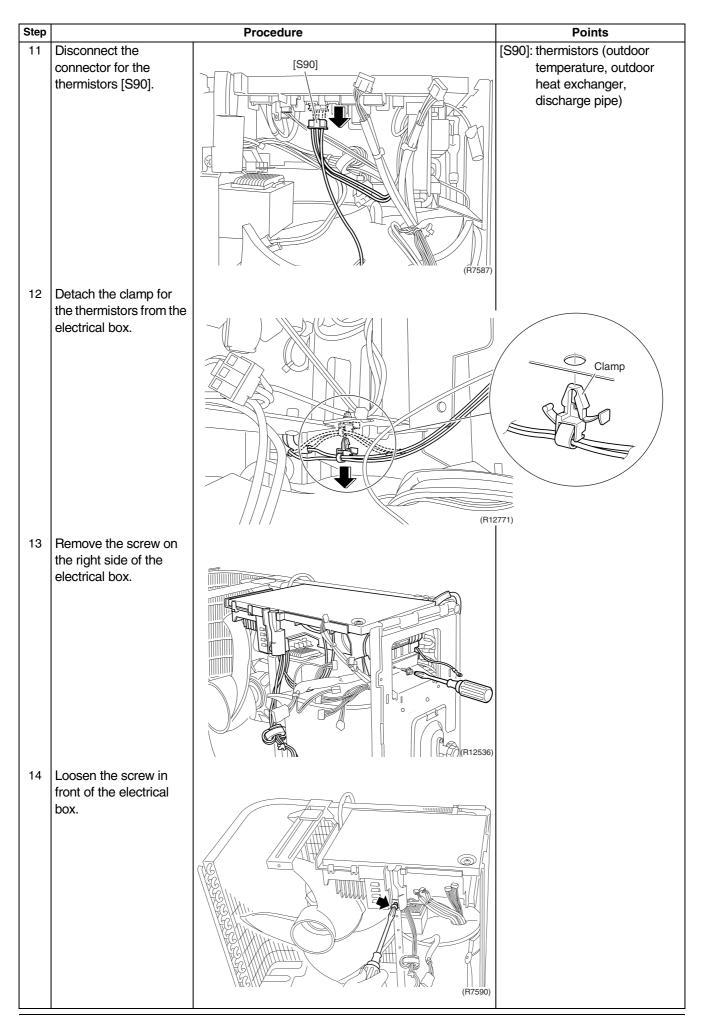
Si121173 Removal of Electrical Box



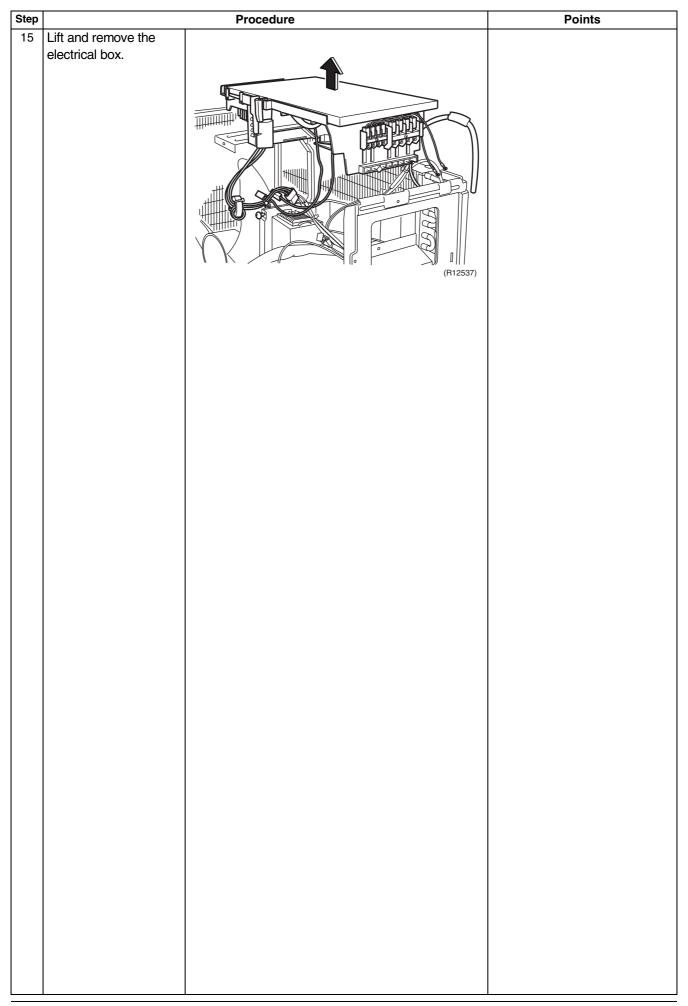
Removal of Electrical Box Si121173



Si121173 Removal of Electrical Box



Removal of Electrical Box Si121173



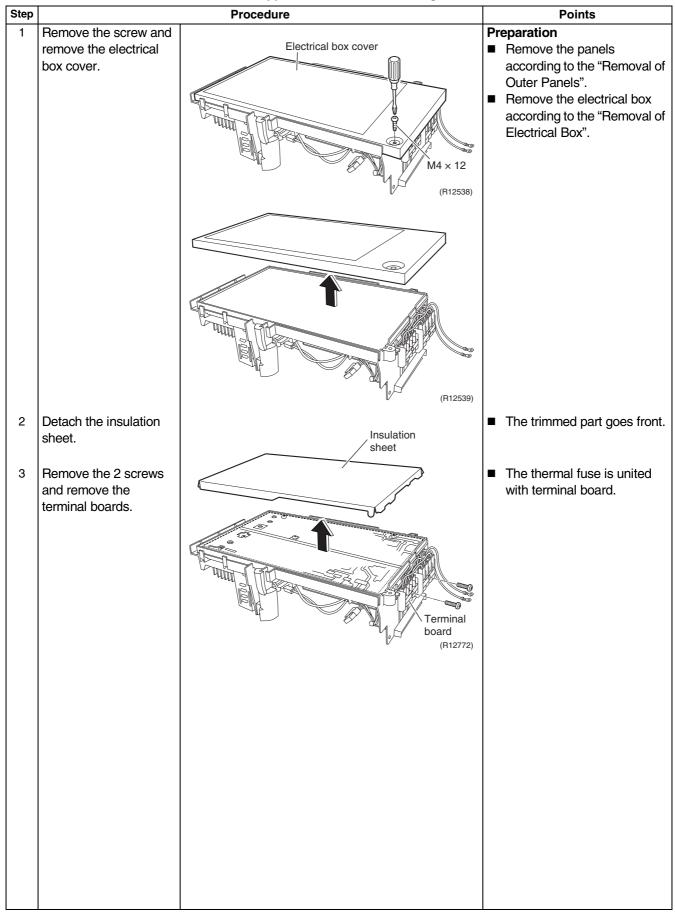
Si121173 Removal of PCB

## 3. Removal of PCB

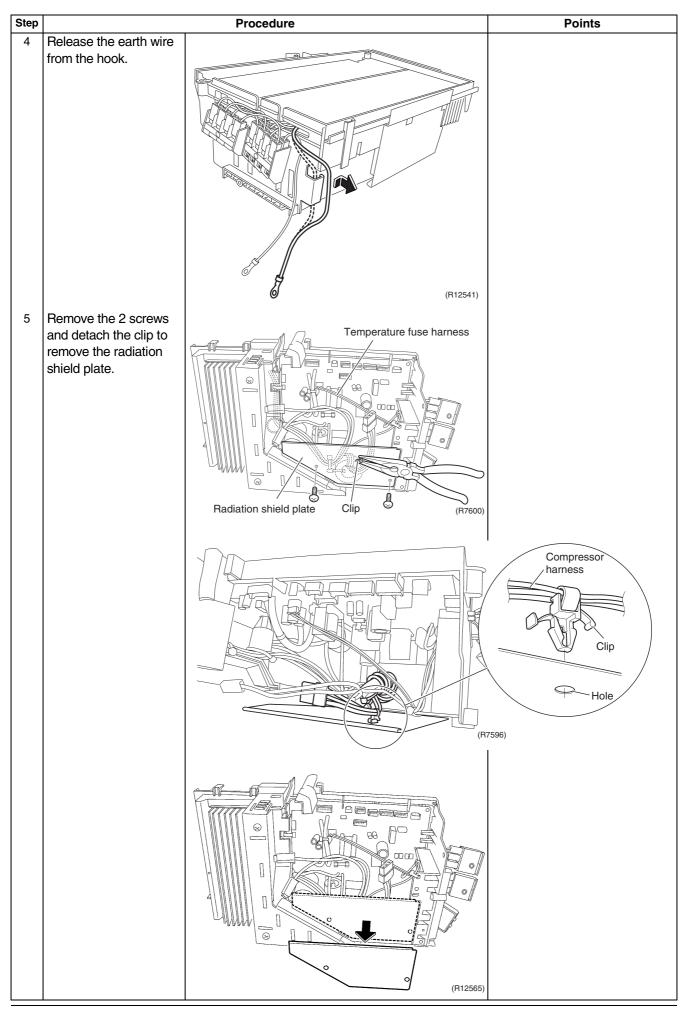
#### **Procedure**

**Warning** 

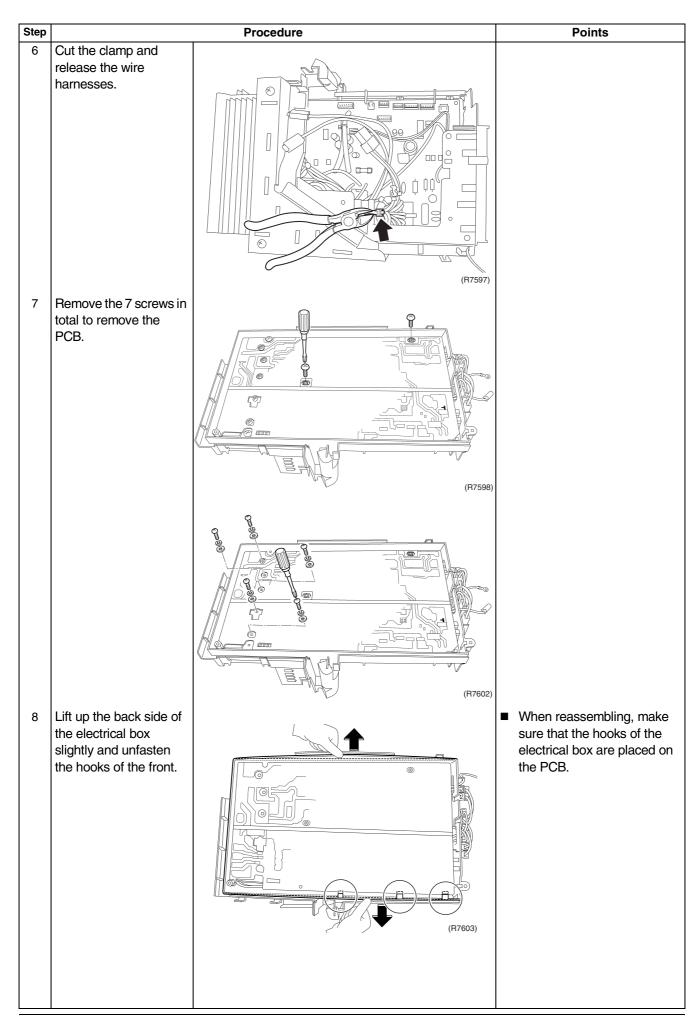
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



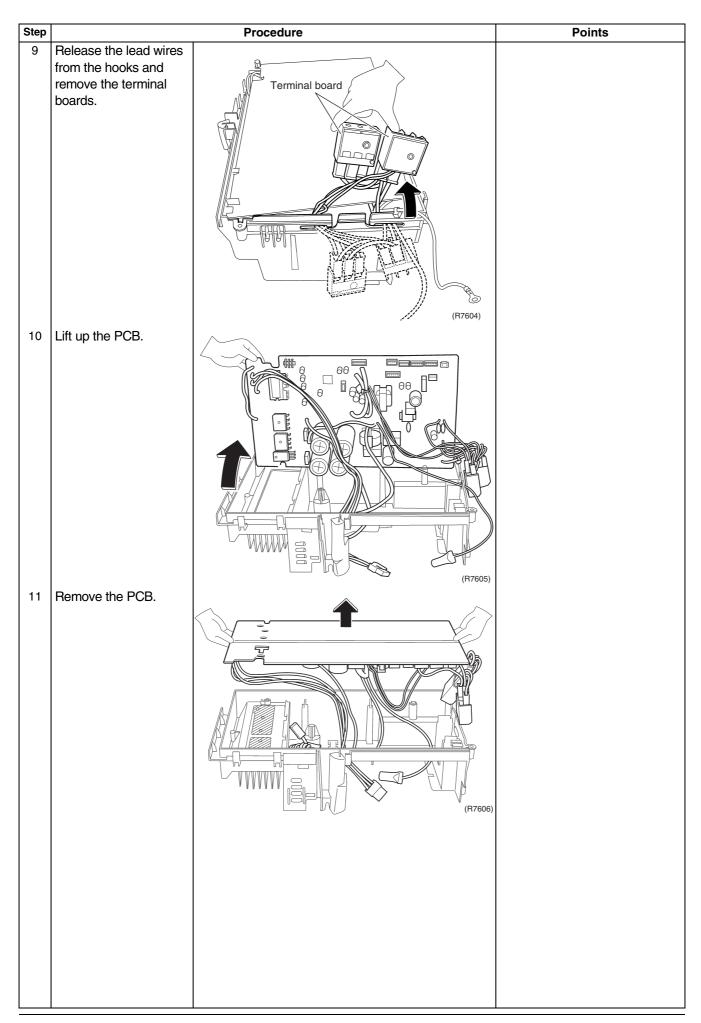
Removal of PCB Si121173



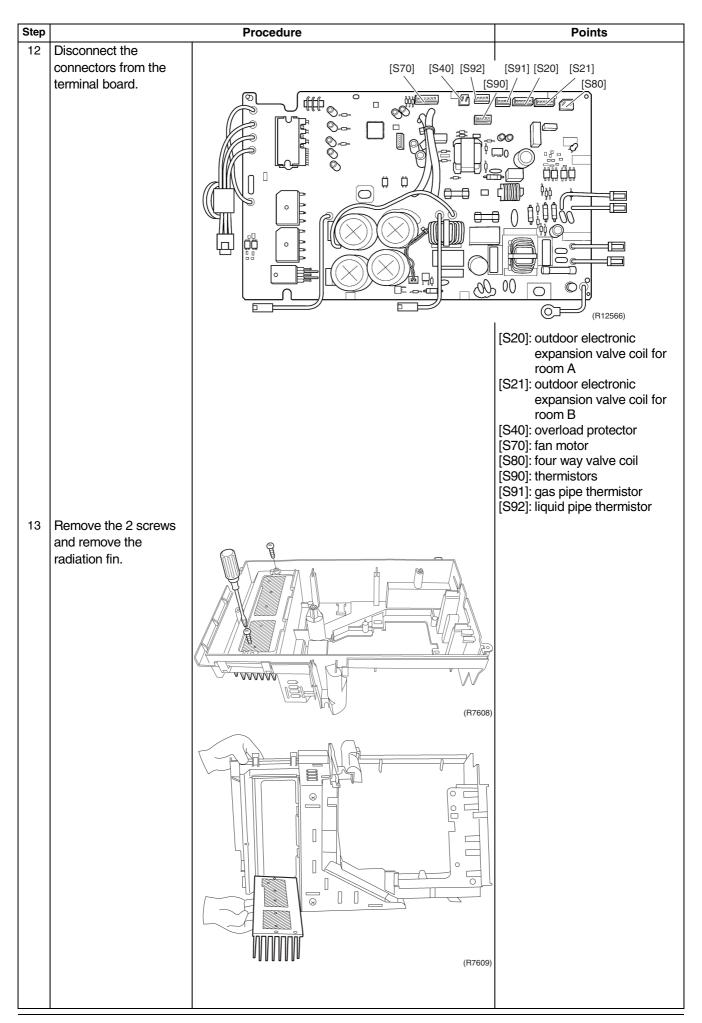
Si121173 Removal of PCB



Removal of PCB Si121173



Si121173 Removal of PCB



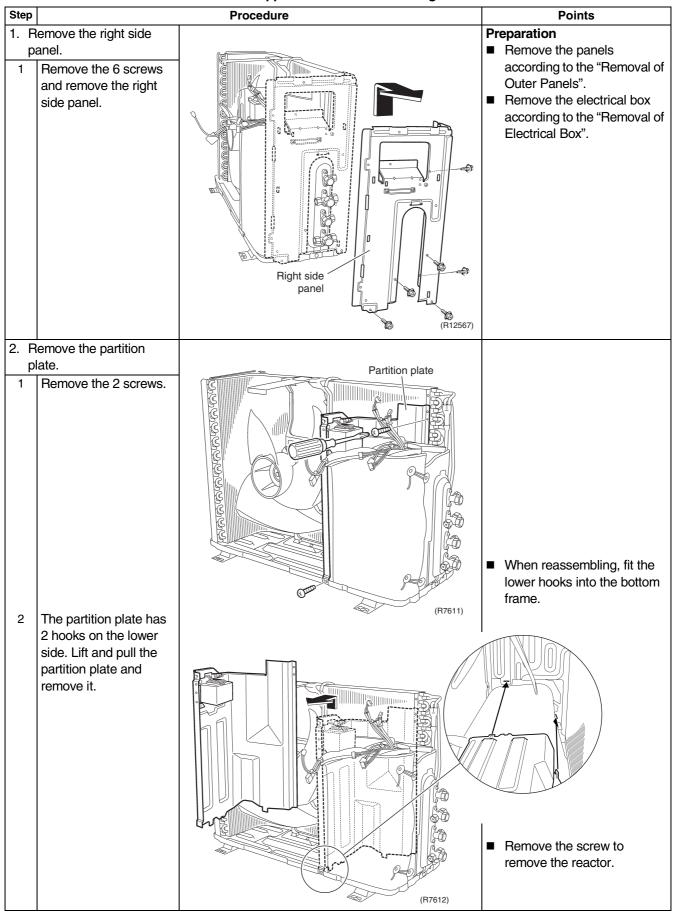
Removal of Sound Blankets Si121173

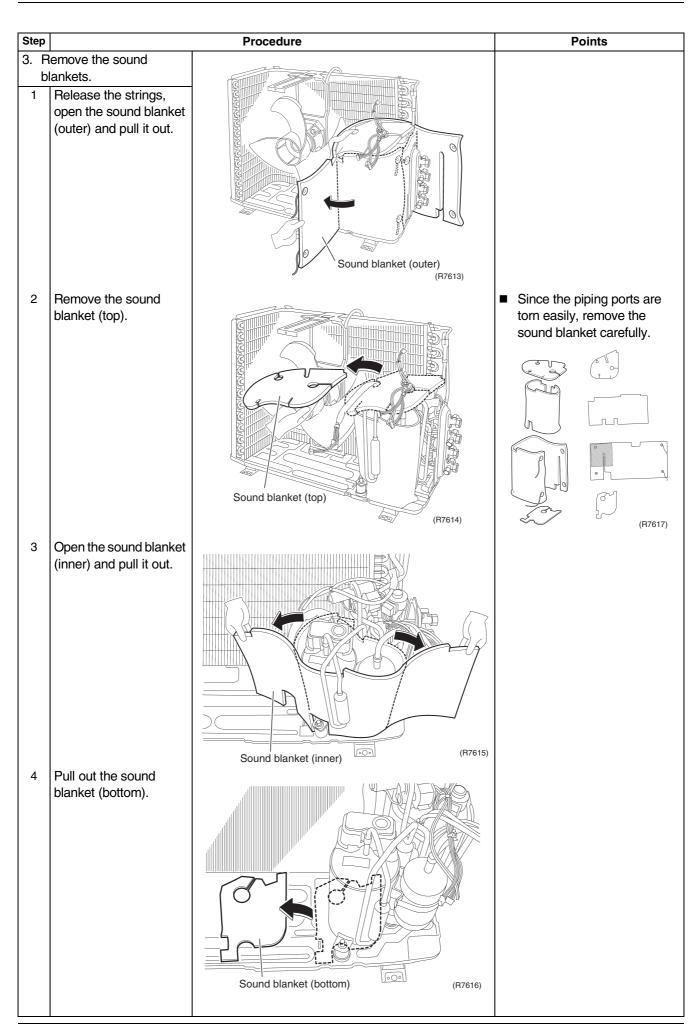
## 4. Removal of Sound Blankets

#### **Procedure**



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



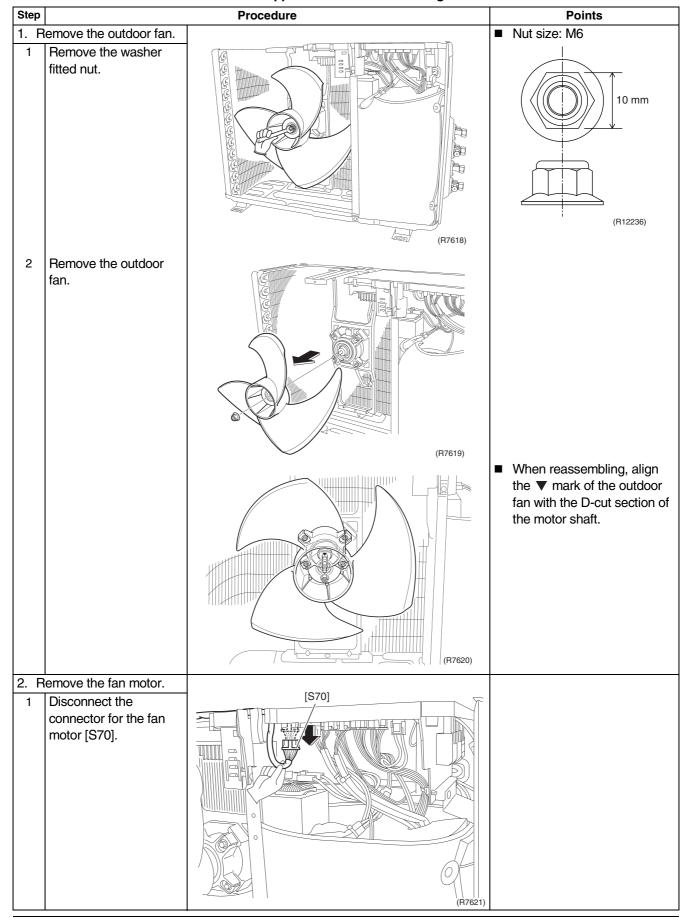


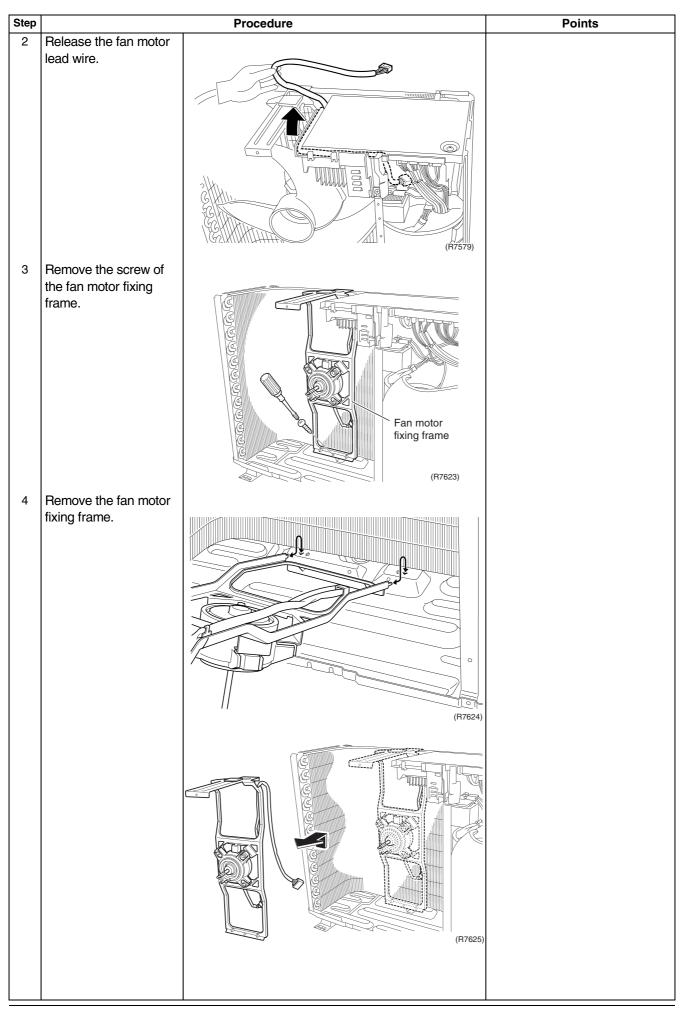
## 5. Removal of Outdoor Fan / Fan Motor

#### **Procedure**

Warning

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





Step		Procedure	Points
5	Turn the fan motor		
	fixing frame backward and open the 2 hooks of the fan motor lead wire.		
6	Release the fan motor lead wire.	(R7626)	■ When reassembling, put the fan motor lead wire through the back of the fan motor so as not to be entangled with the outdoor fan.  Lead wire Outdoor fan
7	Remove the 4 screws and remove the fan motor.	(R12773)	(R12215)

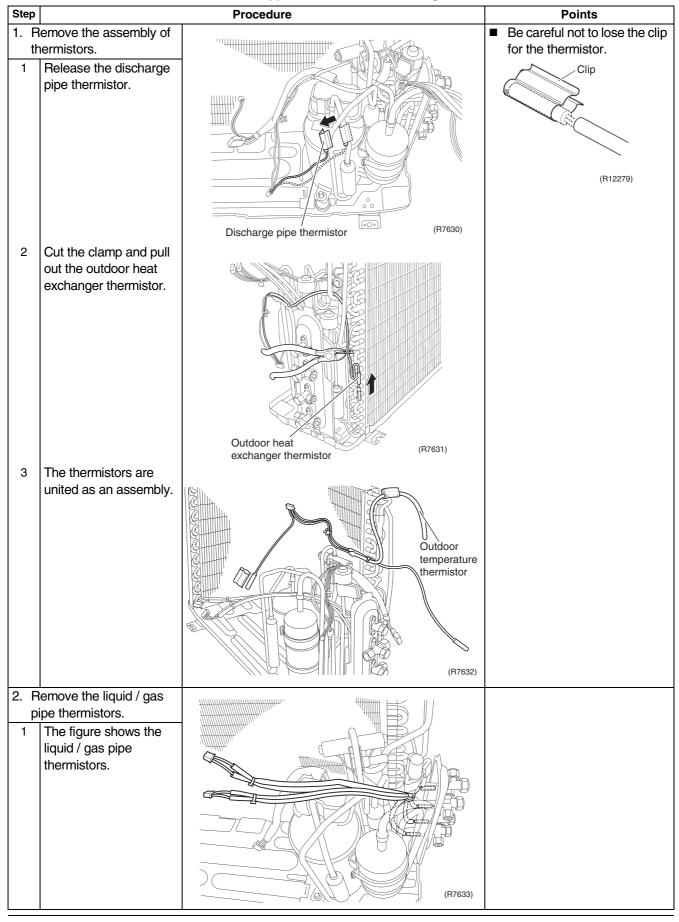
Si121173 Removal of Thermistors

## 6. Removal of Thermistors

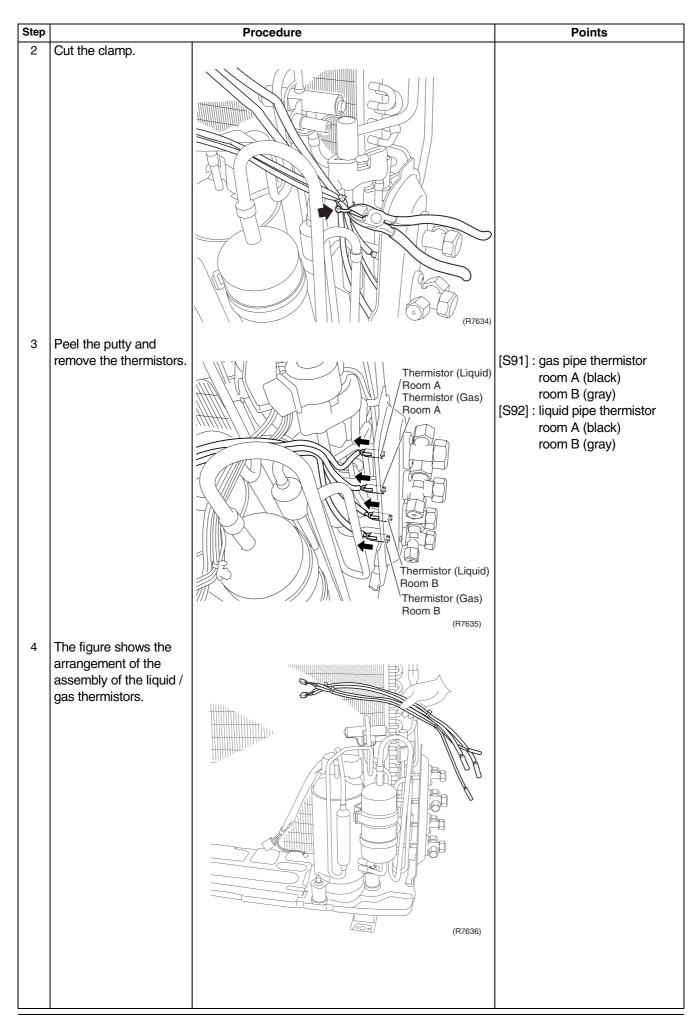
#### **Procedure**



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



Removal of Thermistors Si121173

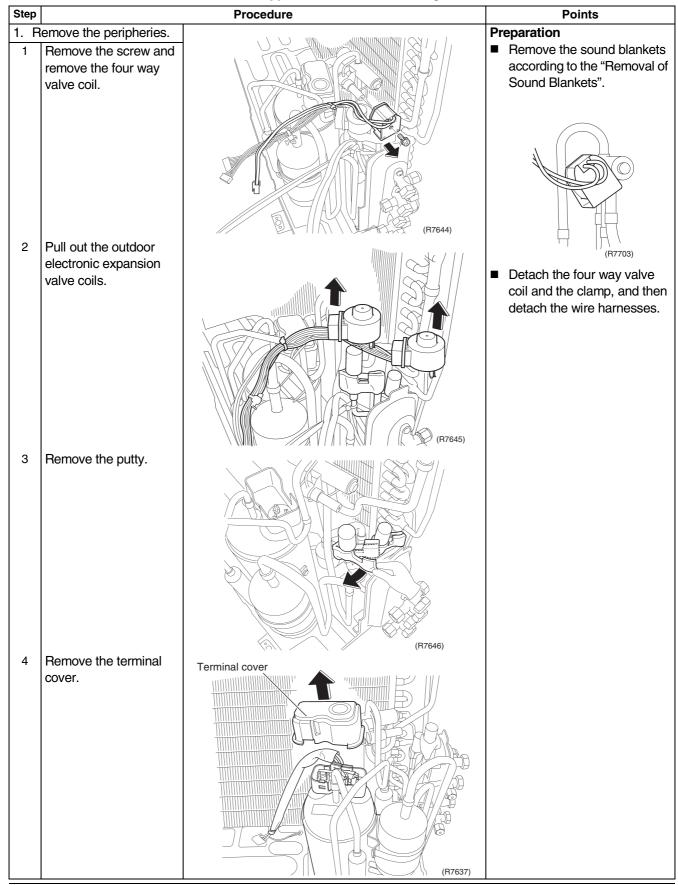


# 7. Removal of Four Way Valve / Outdoor Electronic Expansion Valves

**Procedure** 

Warning

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



## Step **Procedure Points** ■ Before working, make sure that the refrigerant Warning gas is empty in the circuit. Be careful not to get yourself burnt with the pipes and other ■ Be sure to apply nitrogen replacement when parts that are heated by the gas brazing machine. heating up the brazed part. Warning 2. Remove the outdoor If the refrigerant gas leaks electronic expansion during work, ventilate the valves and the four way room. (If the refrigerant gas is valve. exposed to flames, toxic gas Heat up the 2 brazed may be generated.) parts of the outdoor electronic expansion Caution valve and remove it. From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas. 2 Heat up the brazed parts of the four way Cautions for restoration valve. 1. Restore the piping by non-oxidation 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 3 Cut the pipes. 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.

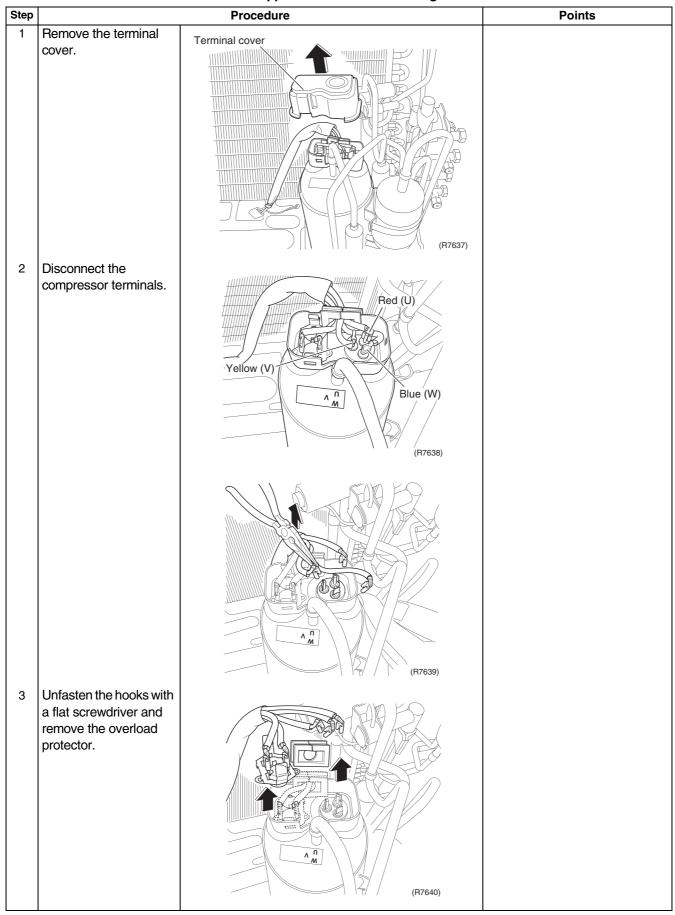
Step		Procedure	Points
4	Heat up the brazed	<u> </u>	
4	Heat up the brazed parts. Pull the pipe with pliers and disconnect.	Procedure (R7651)	Note:  Do not use a metal saw for cutting pipes by all means because the sawdust comes into the circuit.  When withdrawing the pipes, be careful not to pinch them firmly with pliers. The pipes may get deformed.  Provide a protective sheet or a steel plate so that the brazing flame cannot influence peripheries.

## 8. Removal of Compressor

#### **Procedure**



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



where is easy to disconnect

with a tube cutter in order to

make it easy to disconnect.

2. Cut pipes on the main unit

and restore.

Be careful so as not to

burn the compressor

terminals, the name plate,

the heat exchanger fin.

Step **Procedure Points** Remove the 2 nuts of the compressor. 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, (R7641) prepare wet cloth so as to ■ Before working, make extinguish fire immediately. sure that the refrigerant gas is empty in the circuit. Caution ■ Be sure to apply nitrogen From the viewpoint of global replacement when heating environment protection, do up the brazed part. not discharge the refrigerant Heat up the brazed part gas in the atmosphere. Make of the discharge side sure to collect all the and disconnect. refrigerant gas. 6 Heat up the brazed part of the suction side and disconnect. (R7642) Lift the compressor up to remove. Cautions for restoration Note: 1. Restore the piping by Do not use a metal saw for non-oxidation brazing. cutting pipes by all means 2. It is required to prevent the because the sawdust carbonization of the oil inside comes into the circuit. the four way valve and the deterioration of the gaskets ■ When withdrawing the affected by heat. (Keep pipes, be careful not to below 120°C.) For the sake pinch them firmly with of this, wrap the four way pliers. The pipes may get valve with wet cloth and deformed. provide water so that the cloth does not dry. Provide a protective sheet or a steel plate so that the (R7643) In case of difficulty with gas brazing flame cannot brazing machine influence peripheries. 1. Disconnect the brazed part

# **Revision History**

Month / Year	Version	Revised contents
08/2012	Si121173	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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