



4.0/5.0 kW Class





Inverter



Multi Type



Service Manual Removal Procedure

Outdoor Unit

●Cooling Only 2MKS40GV1B 2MKS50GV1B

2MKS40G2V1B 2MKS50G2V1B

2MKS40H2V1B 2MKS50H2V1B ●Heat Pump 2MXS40GV1B 2MXS50GV1B

2MXS40G2V1B 2MXS50G2V1B

2MXS50GAVLT

2MXS40H2V1B 2MXS50H2V1B

2AMX40G2V1B 2AMX50G2V1B

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- The illustrations may be slightly different depending on the model.
 The illustrations are for heat pump models as representative.

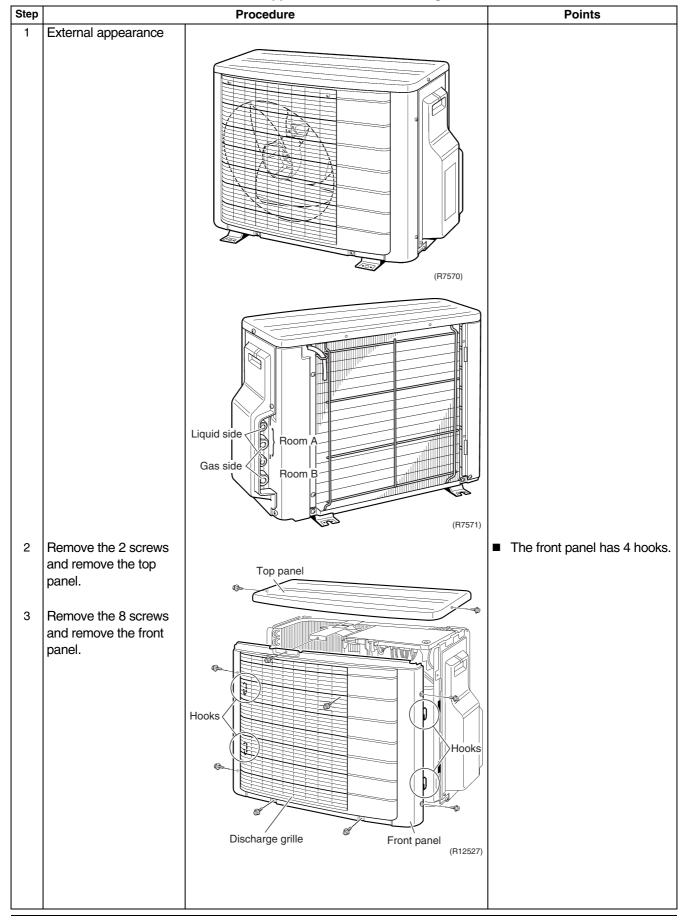
Removal of Outer Panels Si121090

1. Removal of Outer Panels

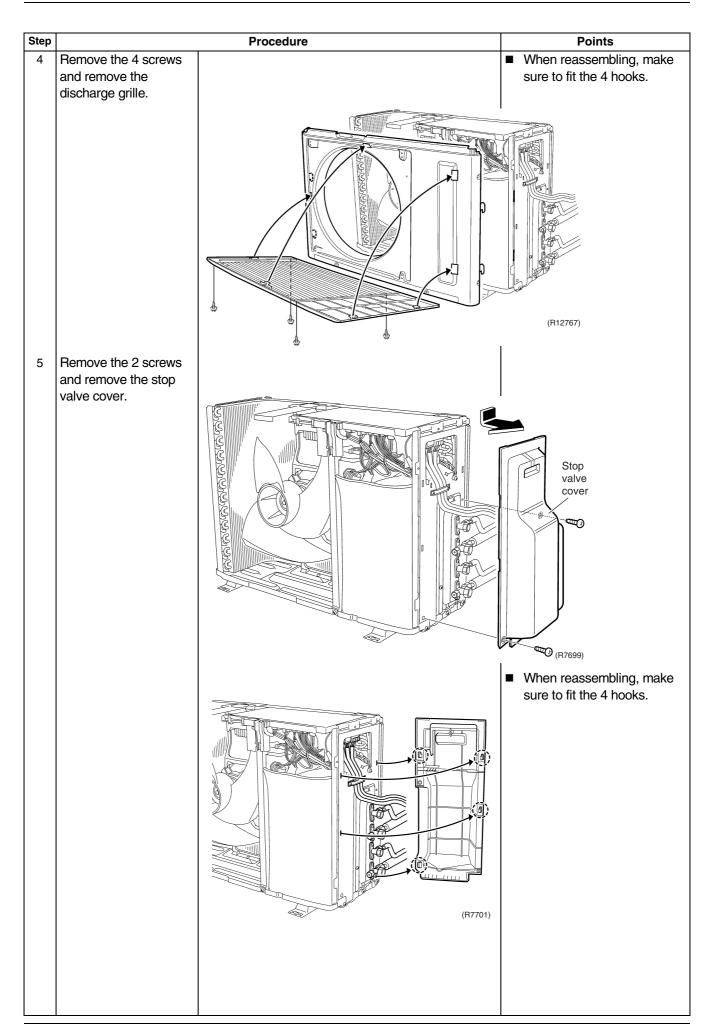
Procedure

Warning

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



Si121090 Removal of Outer Panels



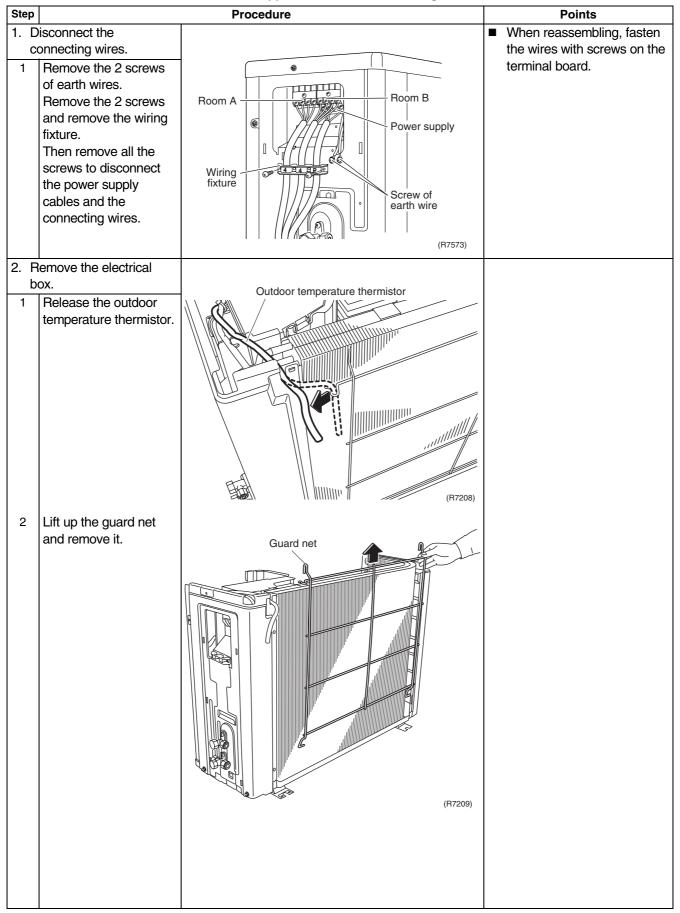
Removal of Electrical Box Si121090

2. Removal of Electrical Box

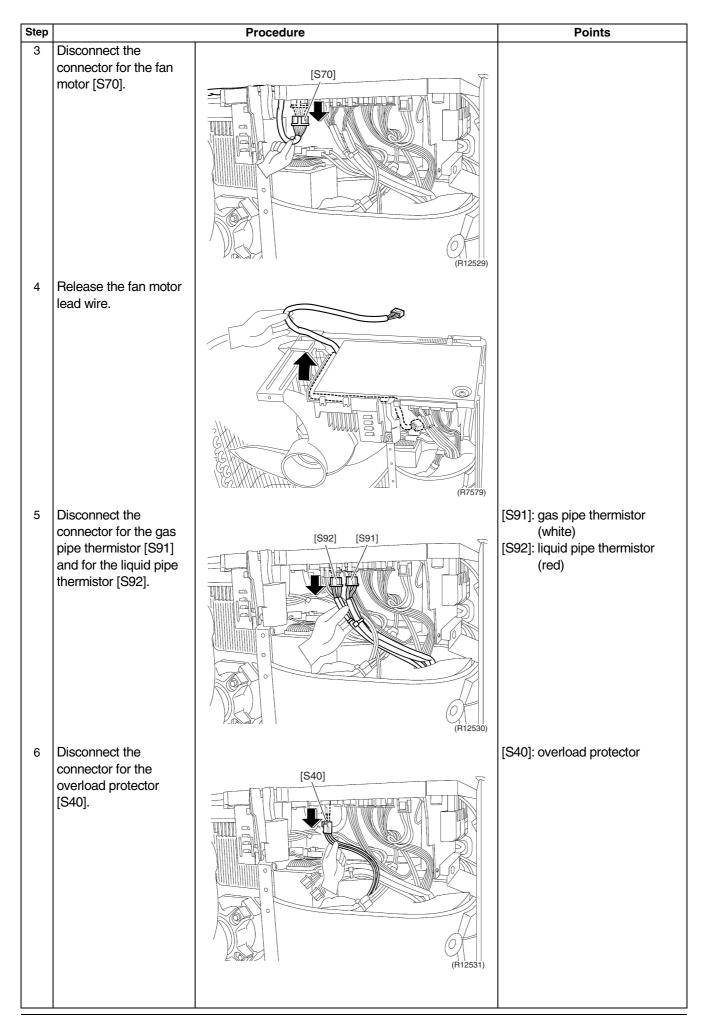
Procedure



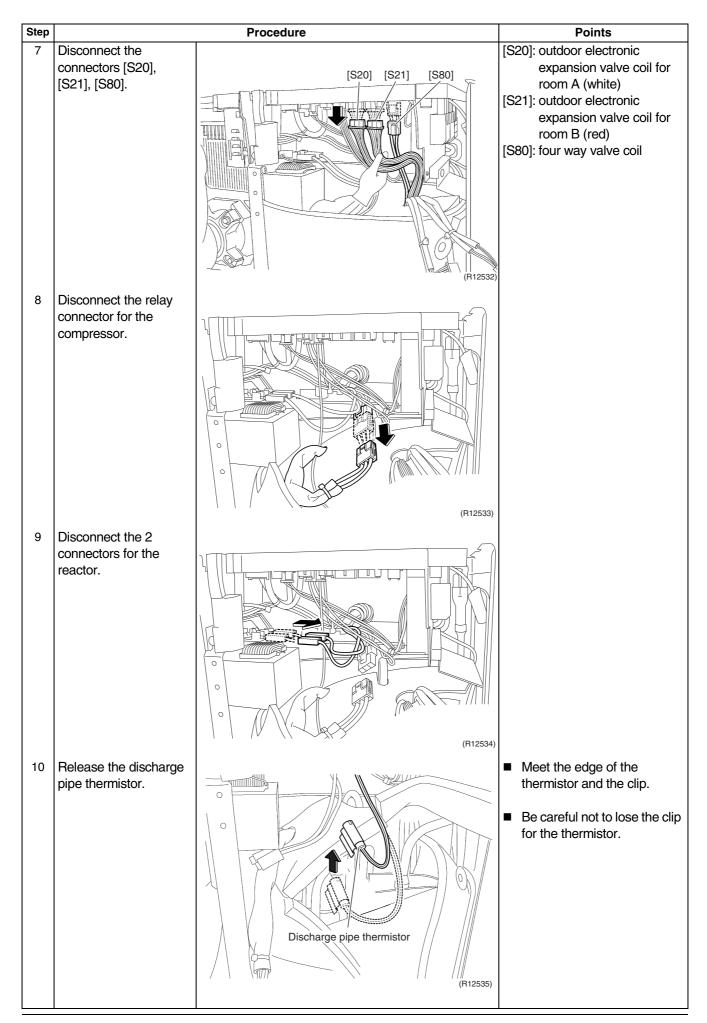
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



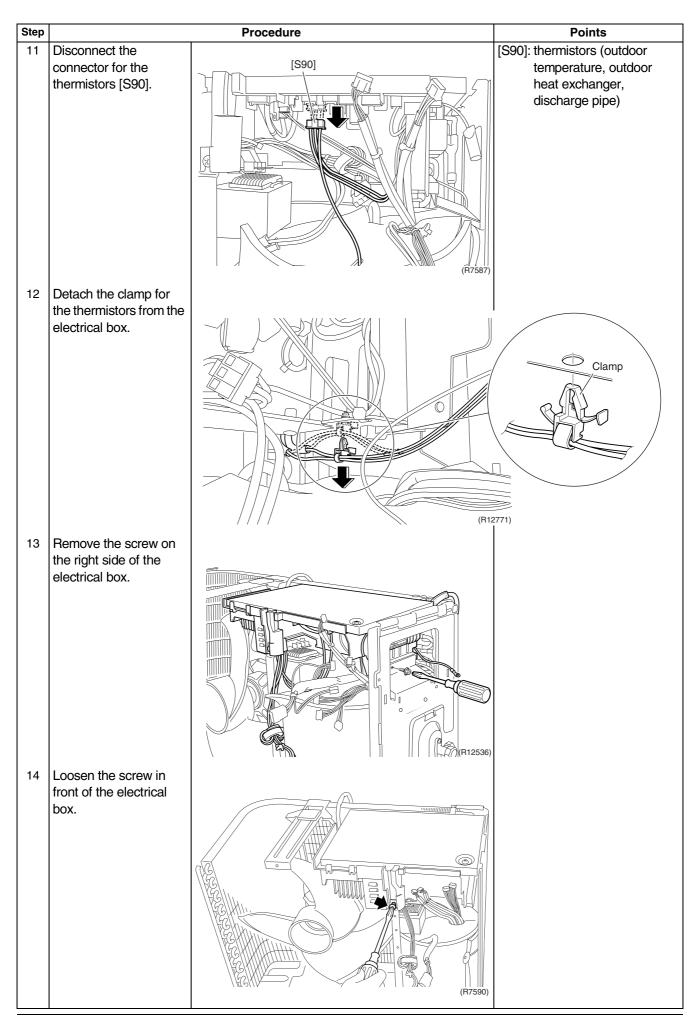
Si121090 Removal of Electrical Box



Removal of Electrical Box Si121090



Si121090 Removal of Electrical Box



Removal of Electrical Box Si121090

Step		Procedure	Points
15	Lift and remove the		
	electrical box.		
		(R12537)	

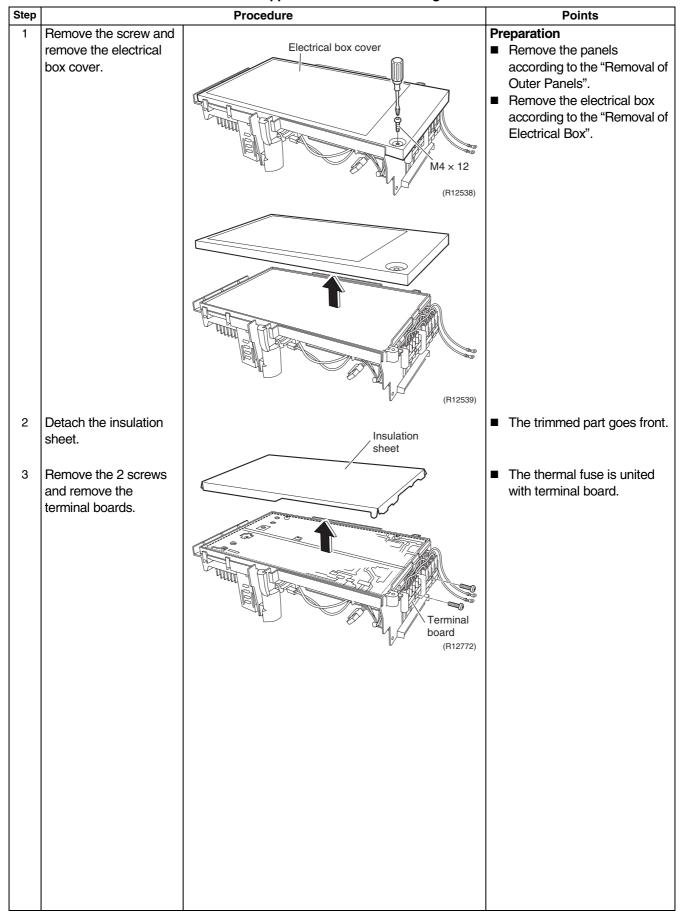
Si121090 Removal of PCB

3. Removal of PCB

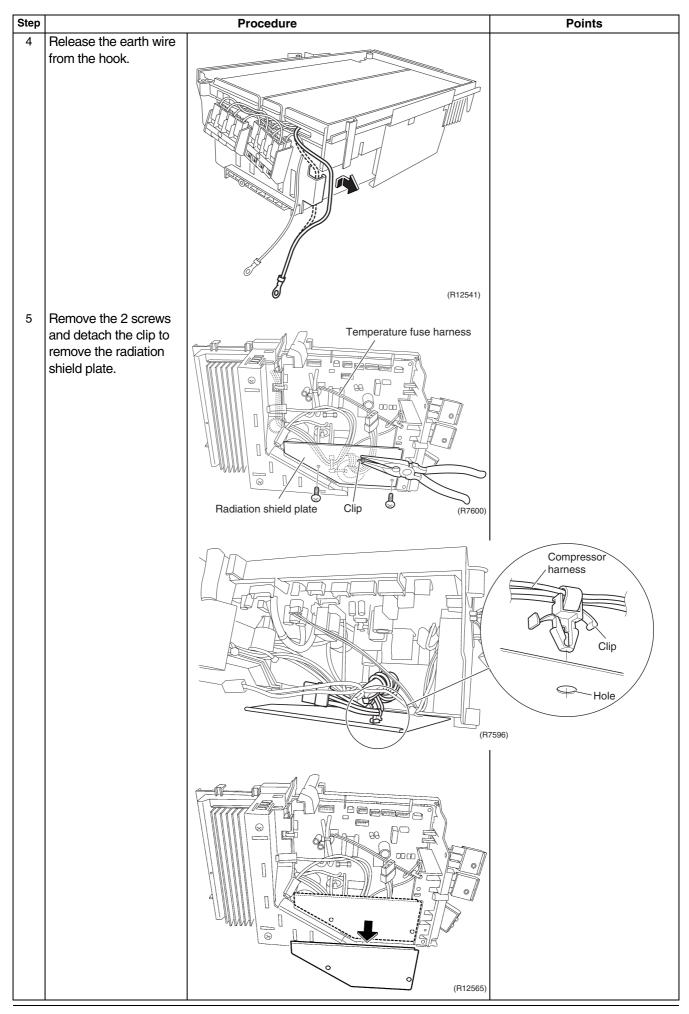
Procedure

Warning

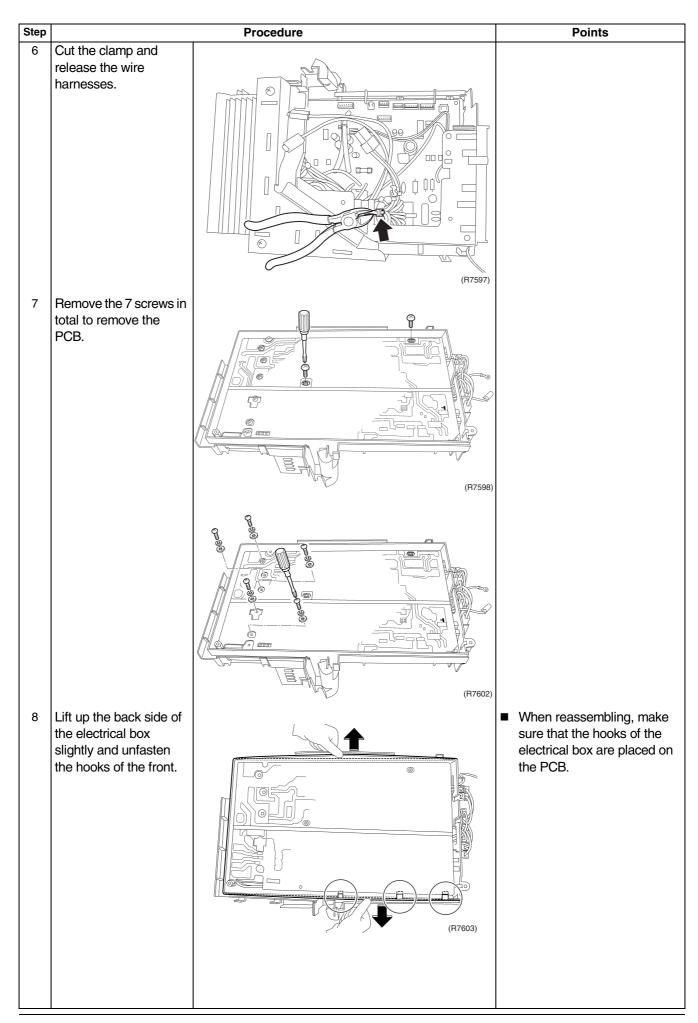
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



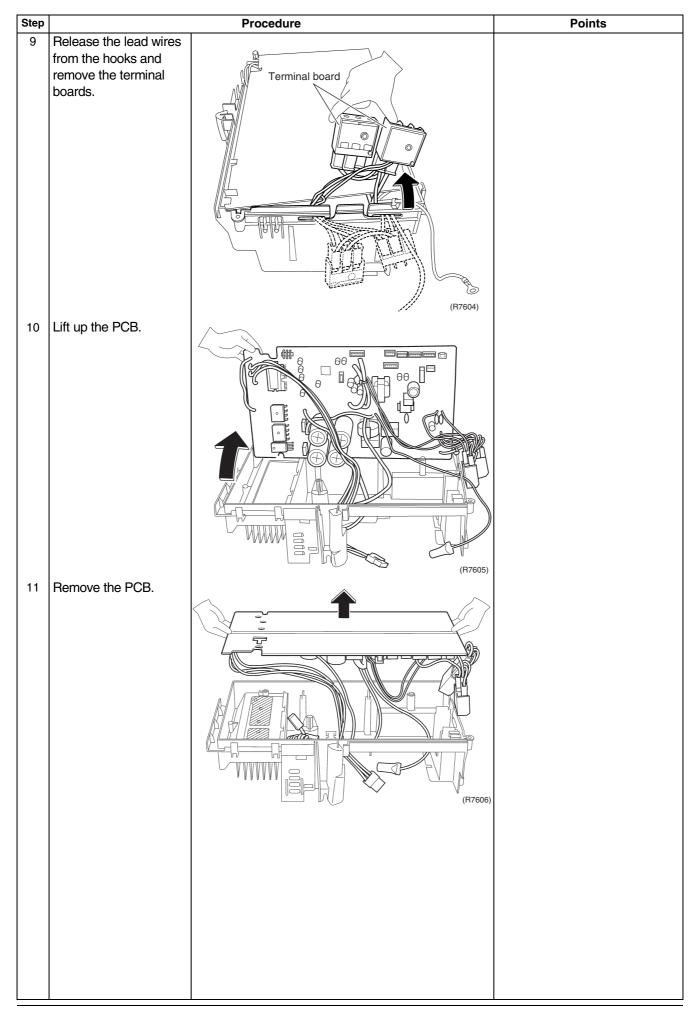
Removal of PCB Si121090



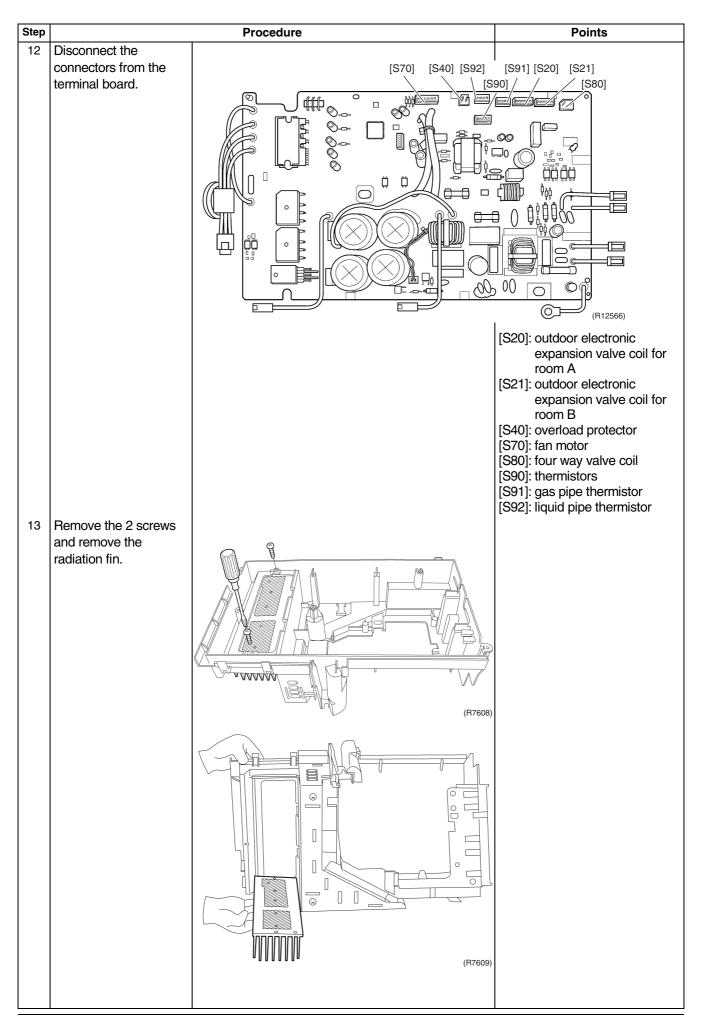
Si121090 Removal of PCB



Removal of PCB Si121090



Si121090 Removal of PCB



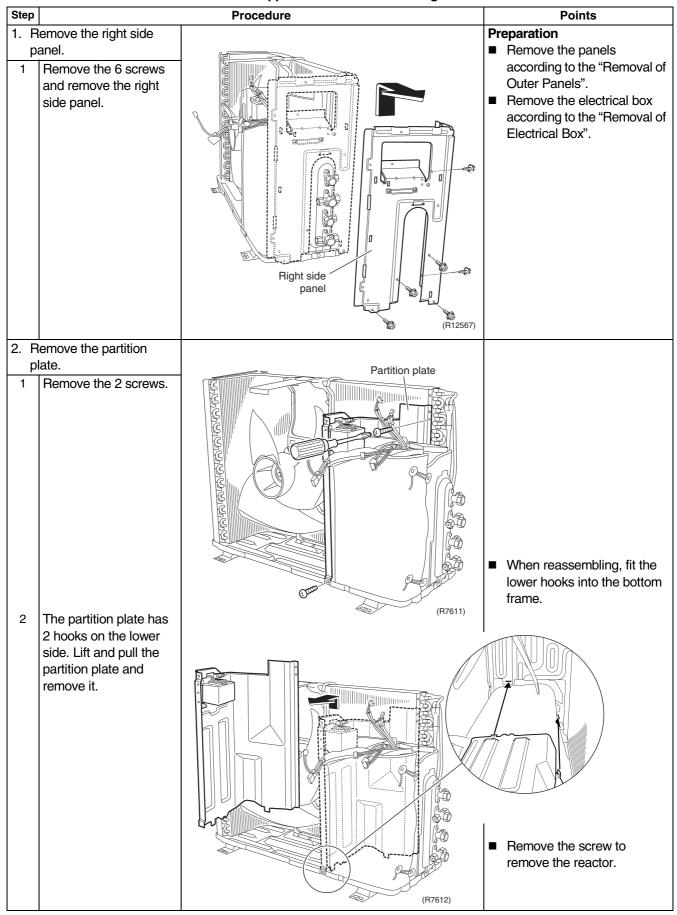
Removal of Sound Blankets Si121090

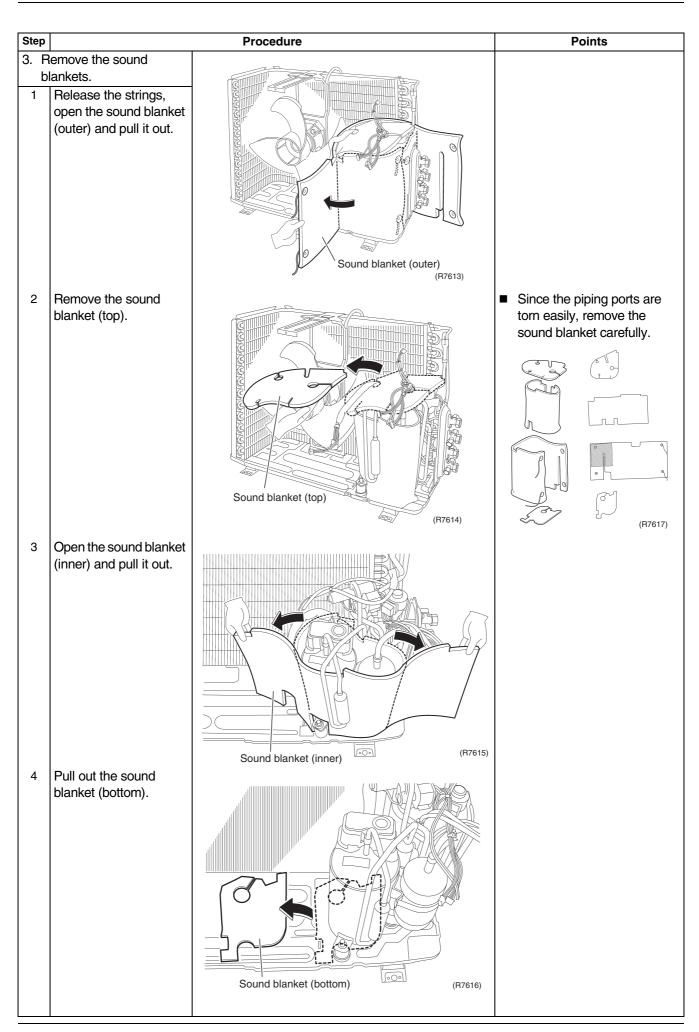
4. Removal of Sound Blankets

Procedure



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



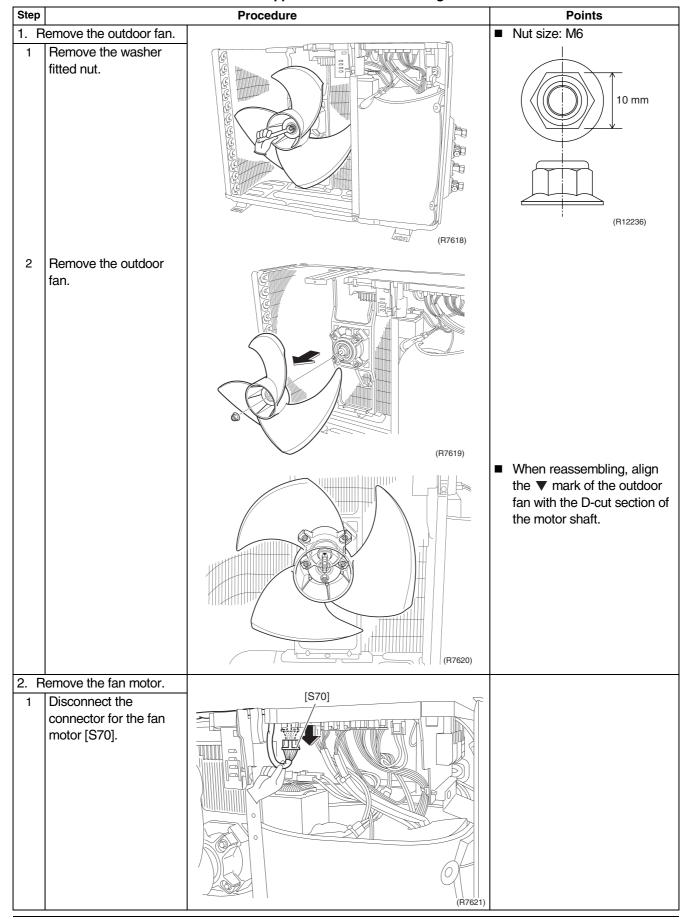


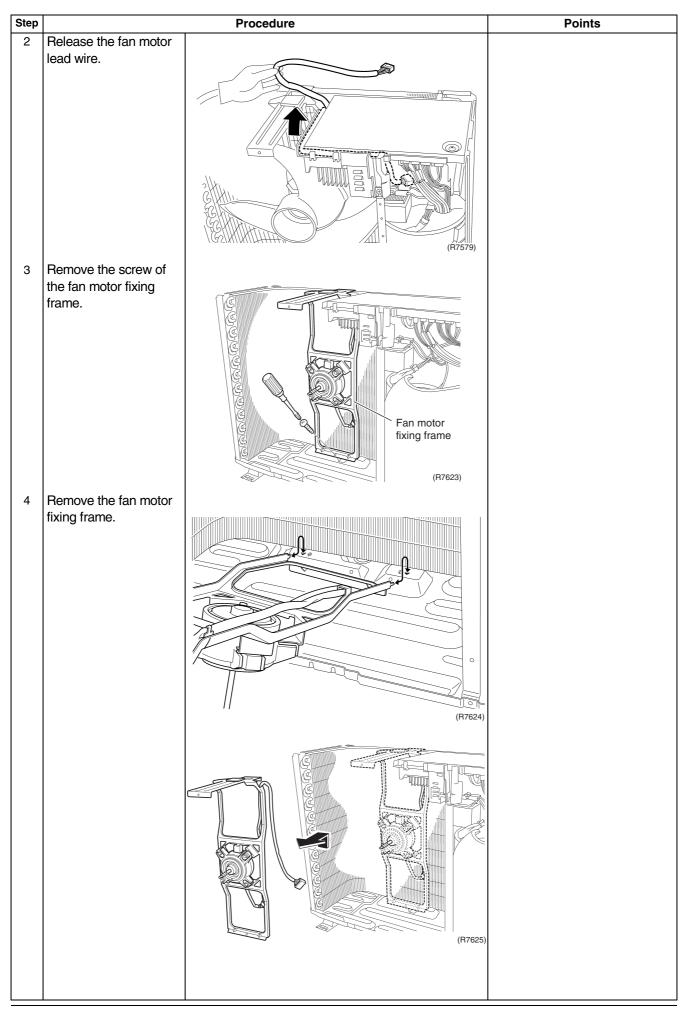
5. Removal of Outdoor Fan / Fan Motor

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.
		(R7627)	Lead wire Outdoor fan
7	Remove the 4 screws and remove the fan motor.		
		(R7628)	
		(R12773)	

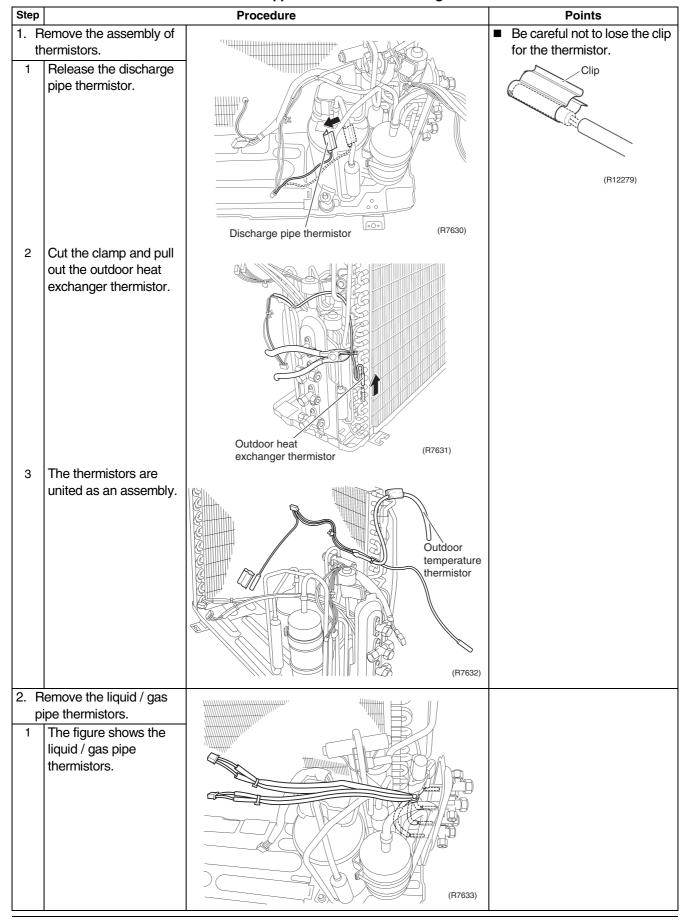
Si121090 Removal of Thermistors

6. Removal of Thermistors

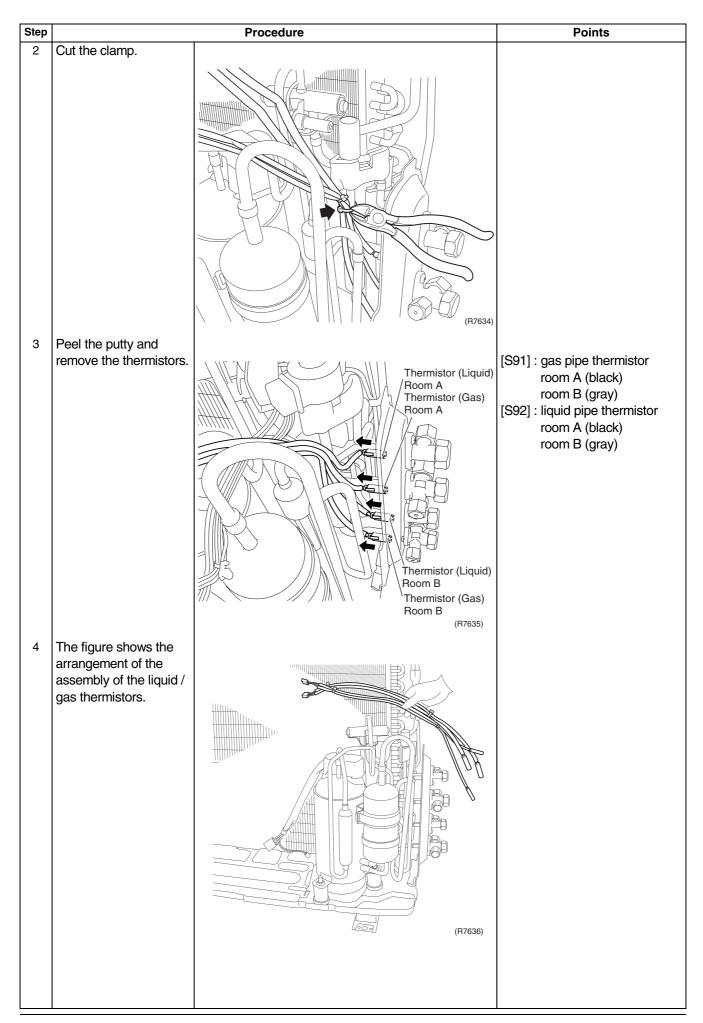
Procedure



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



Removal of Thermistors Si121090

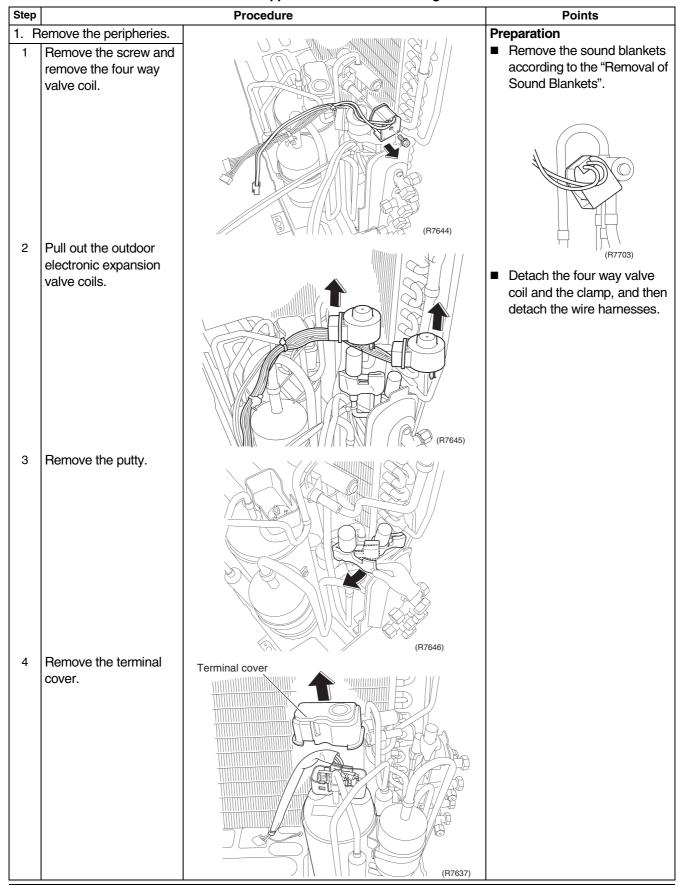


7. Removal of Four Way Valve / Outdoor Electronic Expansion Valves

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.

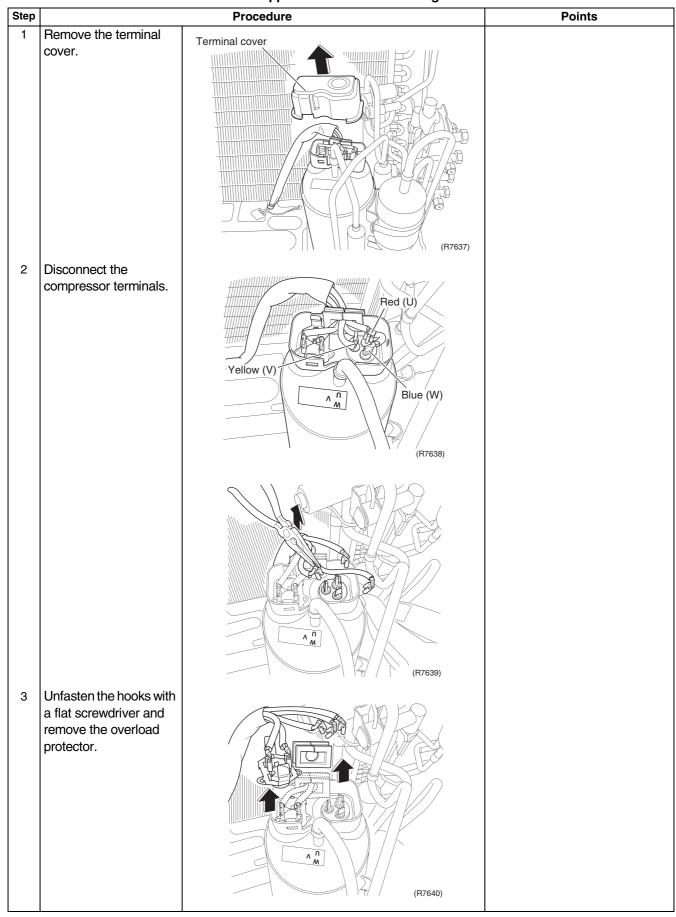
Step Procedure Points
parts. Pull the pipe with pliers and disconnect. Do not use a metal saw for cutting pipes by all means because the sawdust cominto the circuit. When withdrawing the pipe be careful not to pinch the firmly with pliers. The pipe may get deformed. Provide a protective sheet a steel plate so that the brazing flame cannot

8. Removal of Compressor

Procedure



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



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. Heat up the brazed part of the suction side and disconnect. (R7642)

Note:

Do not use a metal saw for cutting pipes by all means because the sawdust comes into the circuit.

to remove.

Lift the compressor up

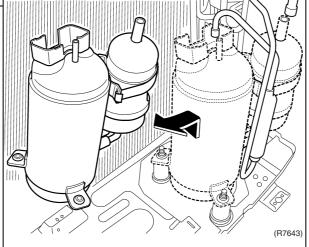
- When withdrawing the pipes, be careful not to pinch them firmly with pliers. The pipes may get deformed.
- Provide a protective sheet or a steel plate so that the brazing flame cannot influence peripheries.
- Be careful so as not to burn the compressor terminals, the name plate, the heat exchanger fin.



- 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.

(R7643) 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.



Revision History

Month / Year	Version	Revised contents
01 / 2013	Si121090	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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