



24000/28000 Btu/h Class

Outdoor Unit

(4)

Inverter



Pair Type



Service Manual Removal Procedure

Outdoor Unit

●Cooling Only RKD24GV2S RKD28GV2S

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

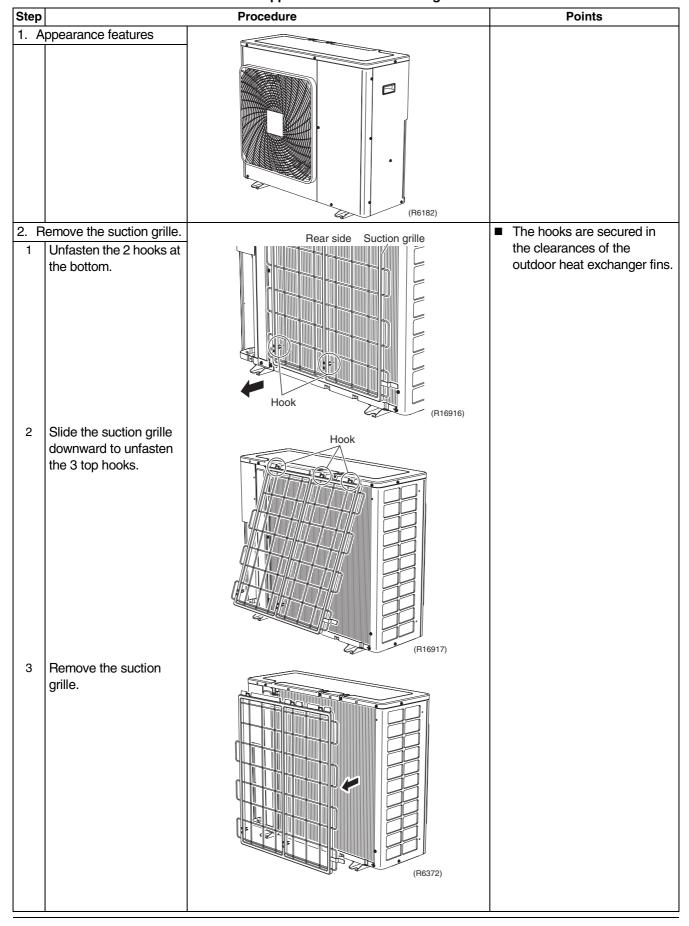
Removal of Outer Panels Si00-776

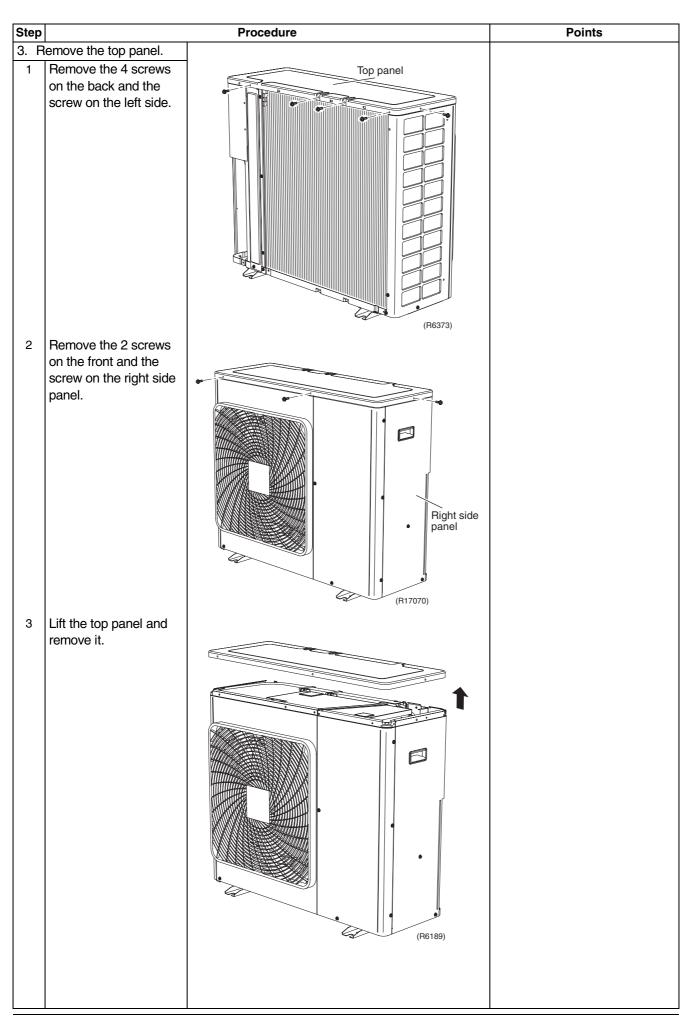
1. Removal of Outer Panels

Procedure

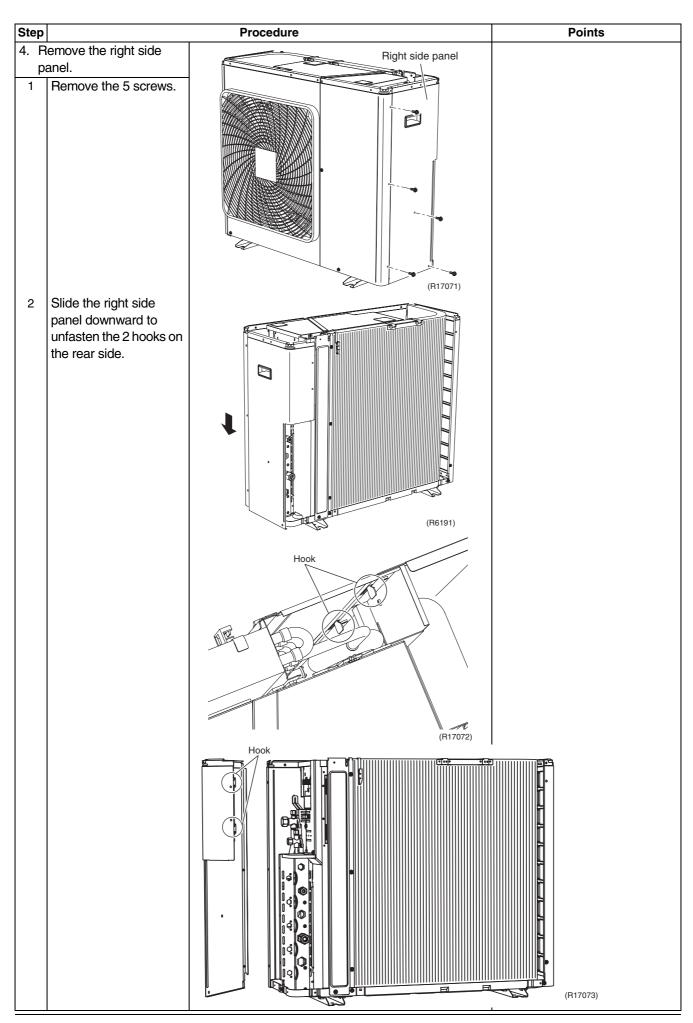
Warning

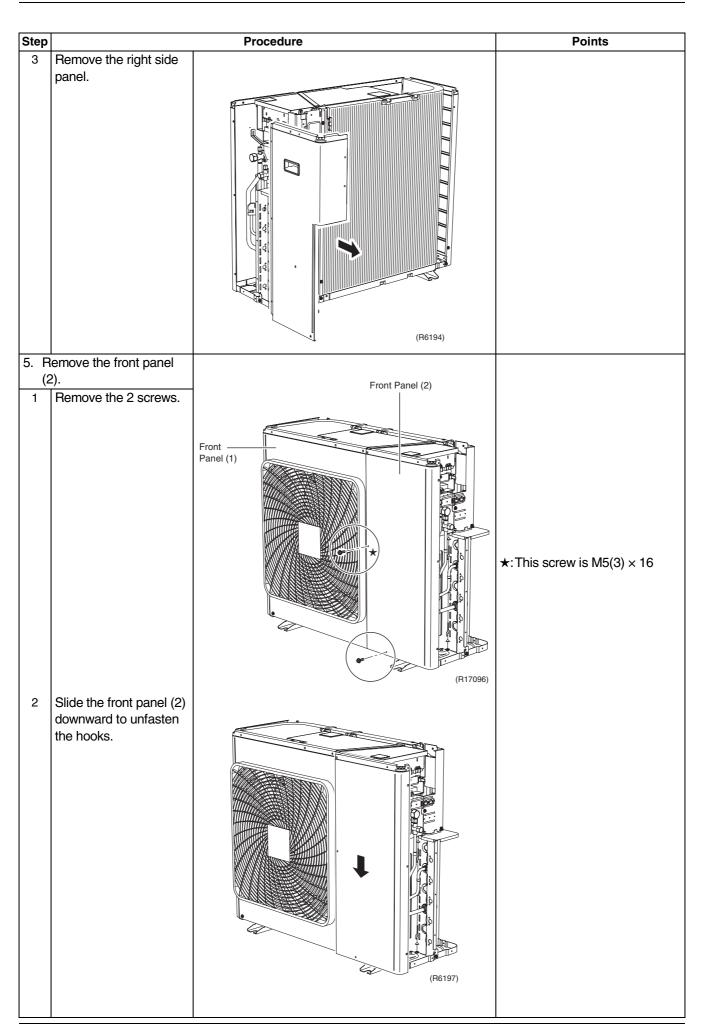
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



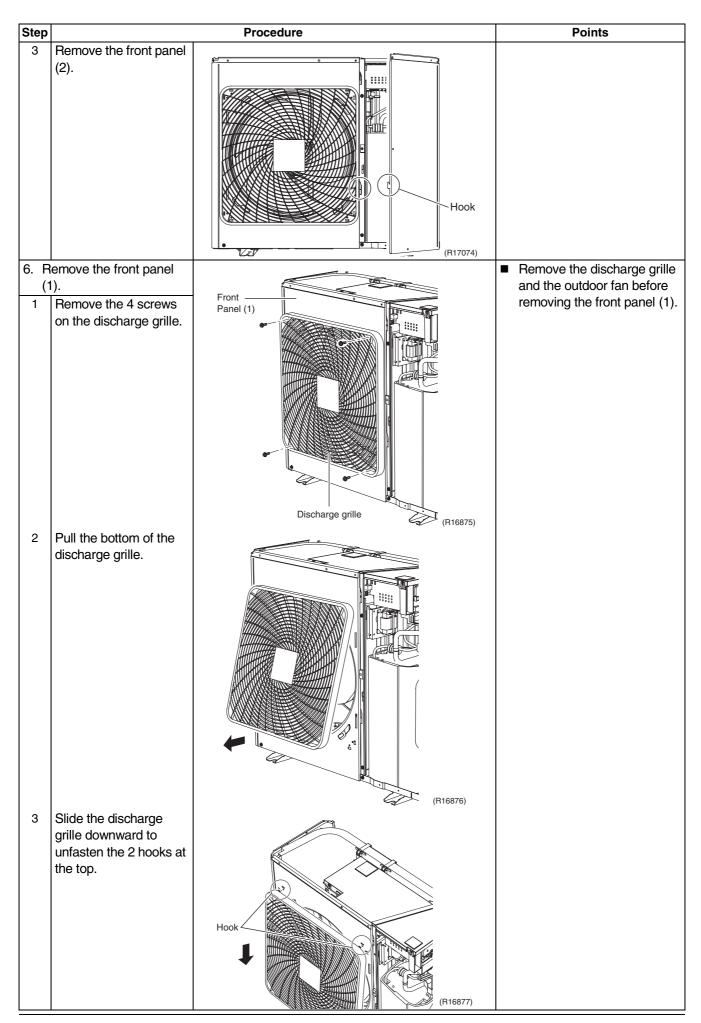


Removal of Outer Panels Si00-776

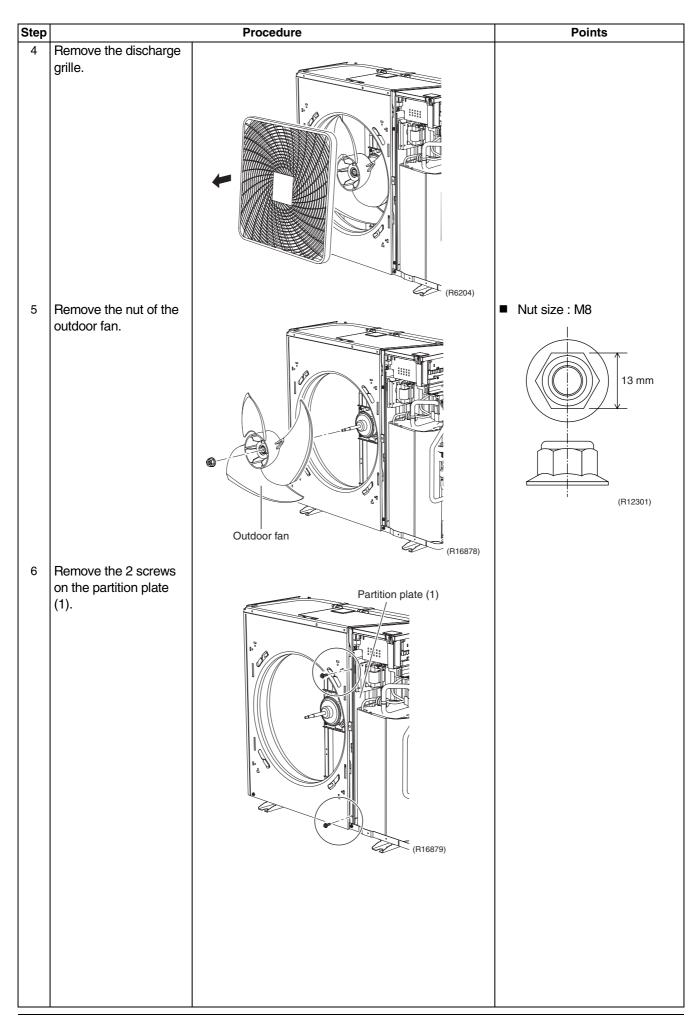




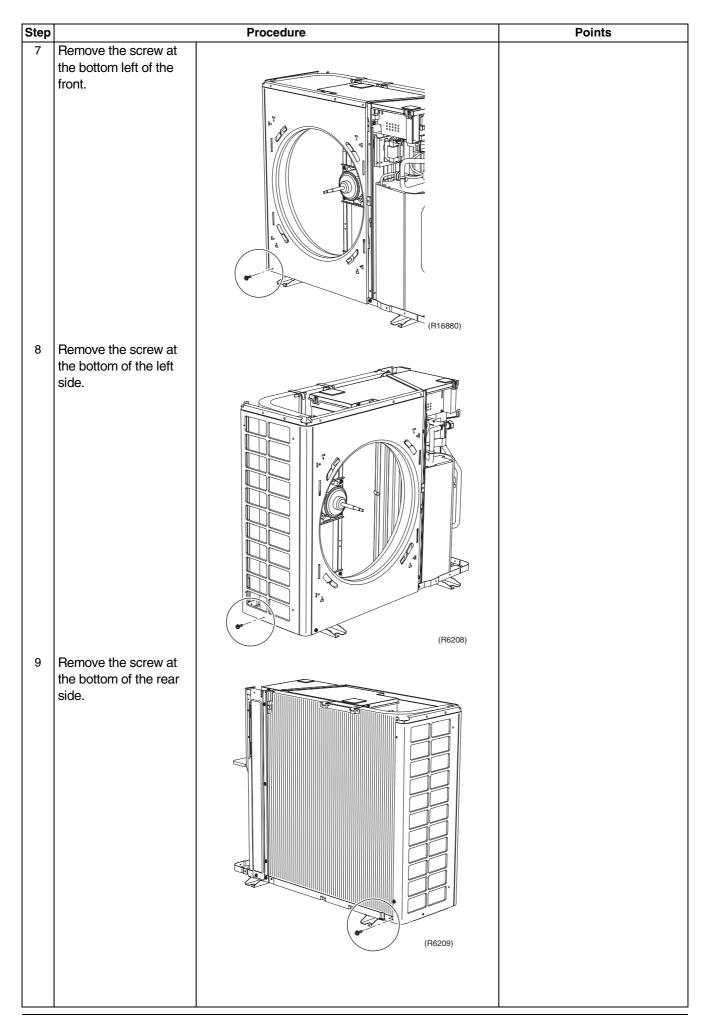
Removal of Outer Panels Si00-776



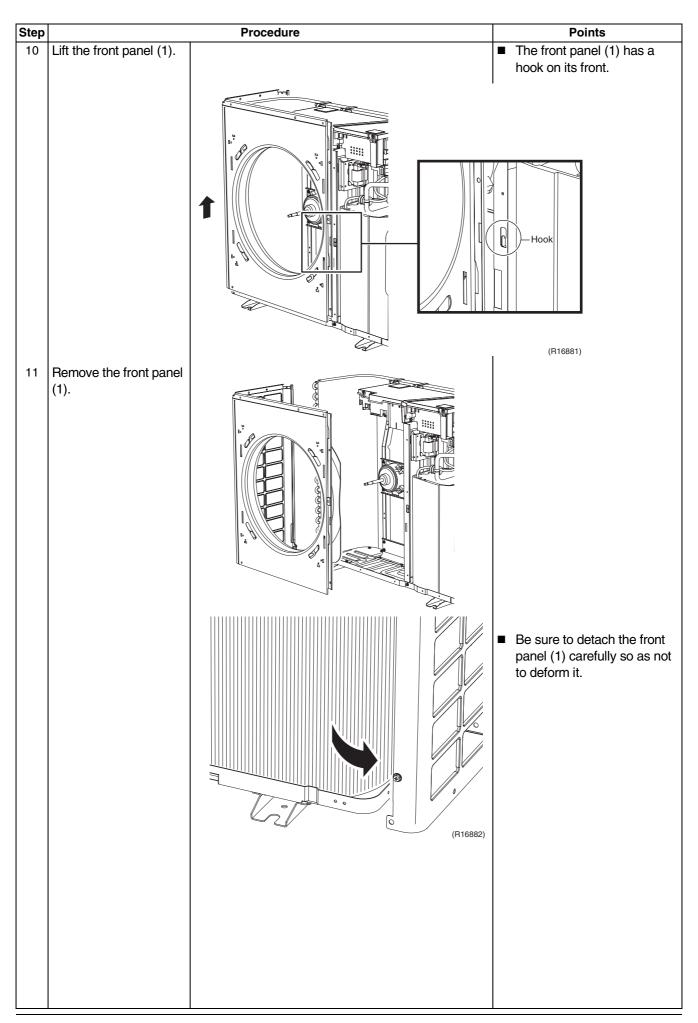
Si00-776 Removal of Outer Panels



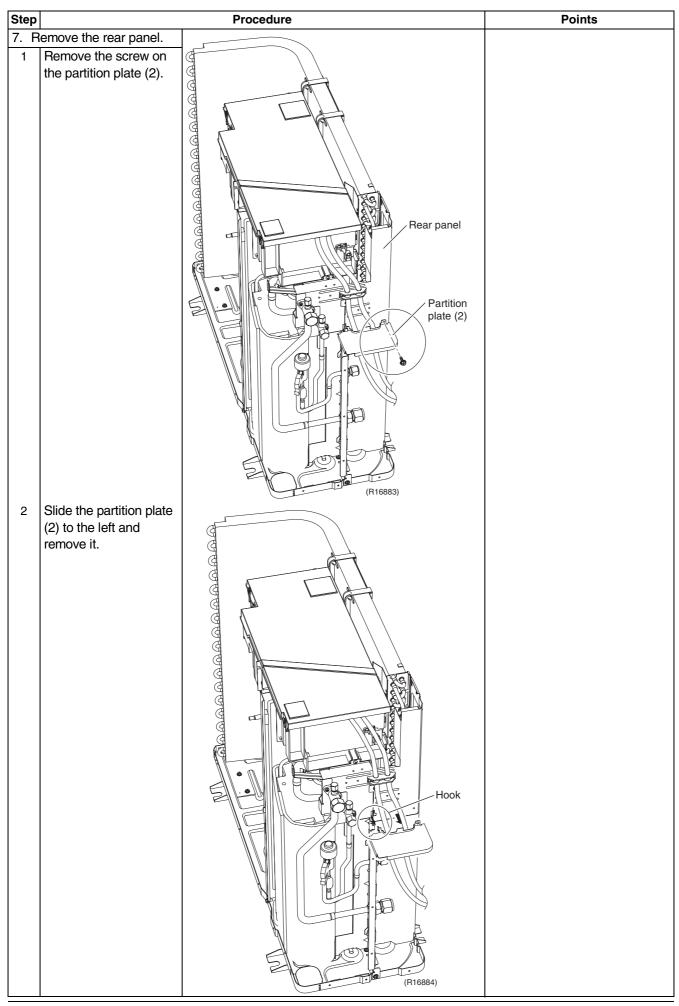
Removal of Outer Panels Si00-776



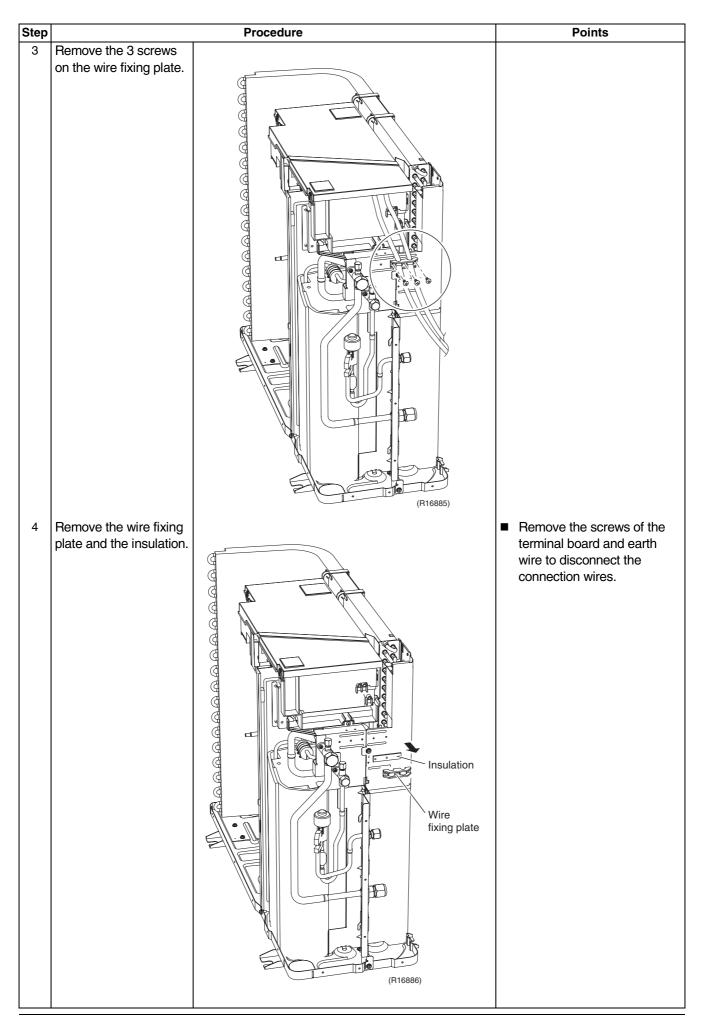
Si00-776 Removal of Outer Panels



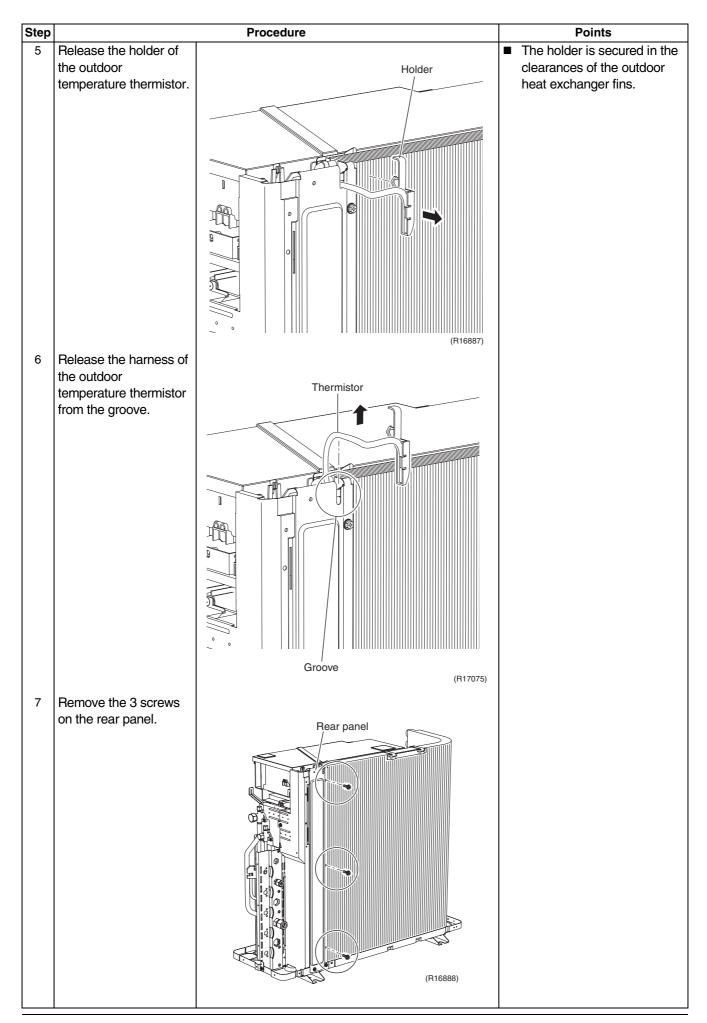
Removal of Outer Panels Si00-776



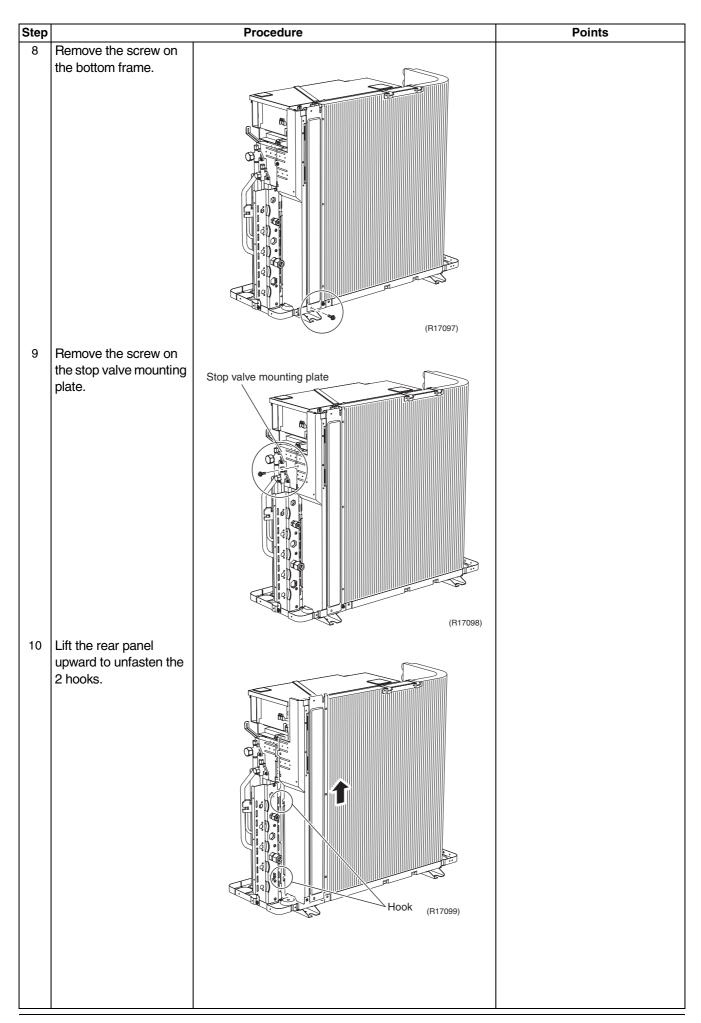
Si00-776 Removal of Outer Panels



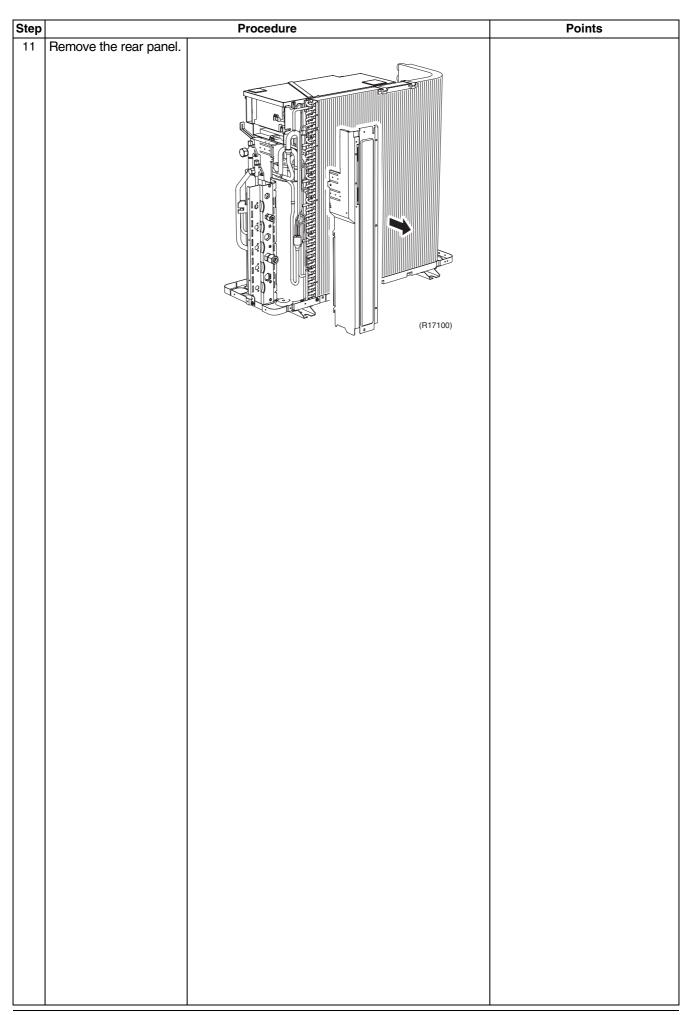
Removal of Outer Panels Si00-776



Si00-776 Removal of Outer Panels



Removal of Outer Panels Si00-776



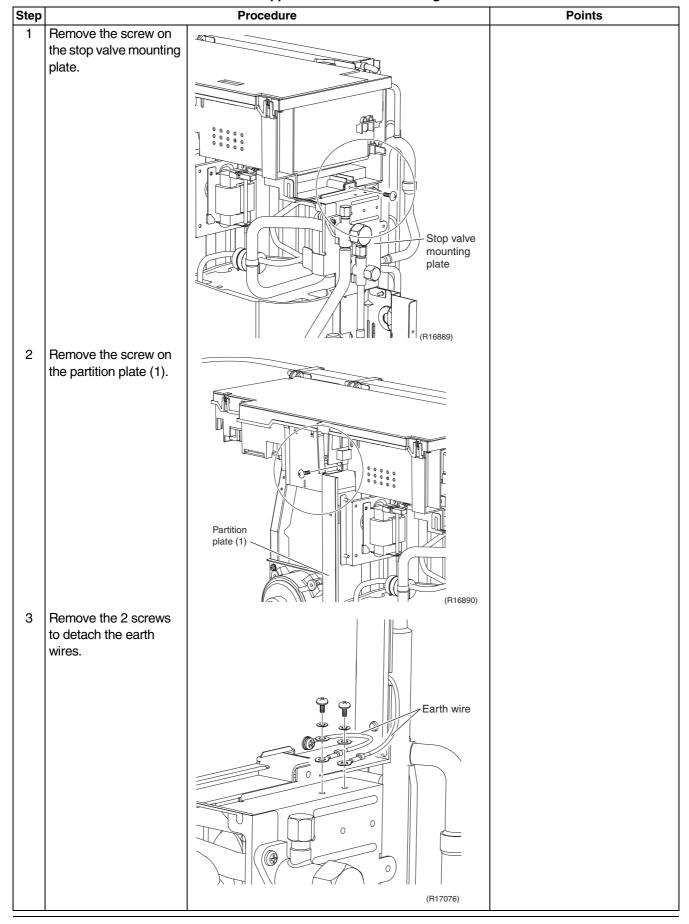
Si00-776 Removal of Electrical Box

2. Removal of Electrical Box

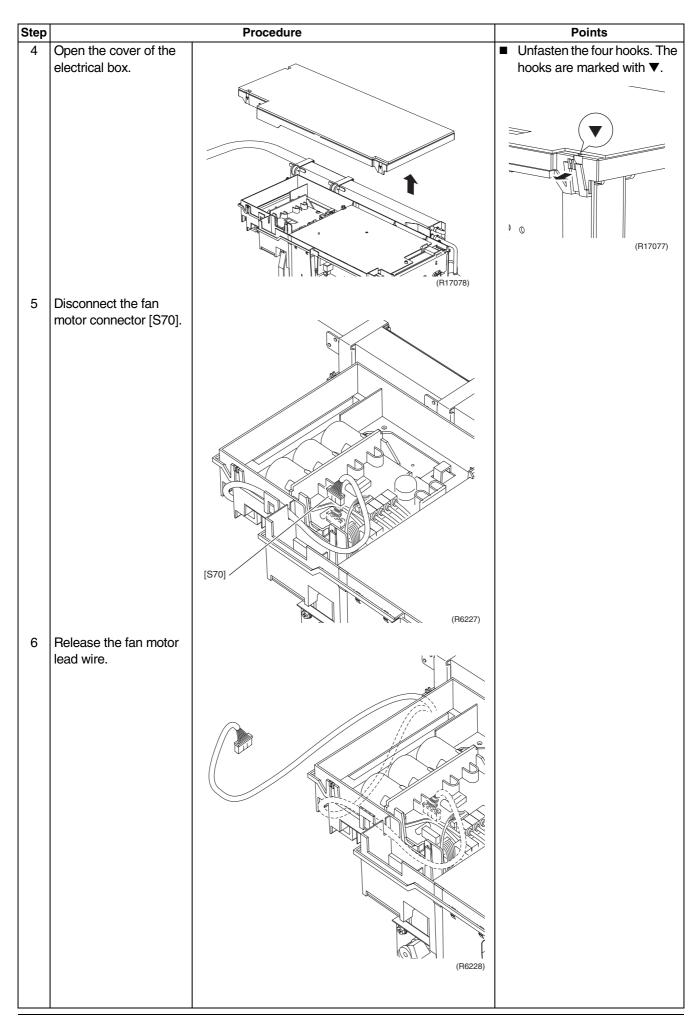
Procedure

/ Warning

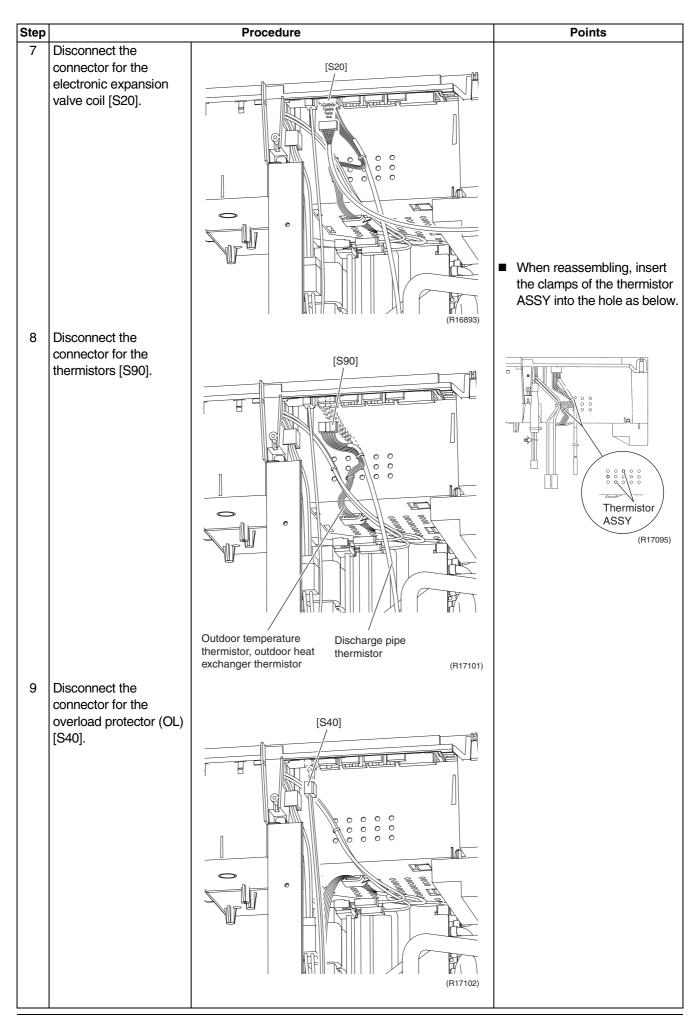
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



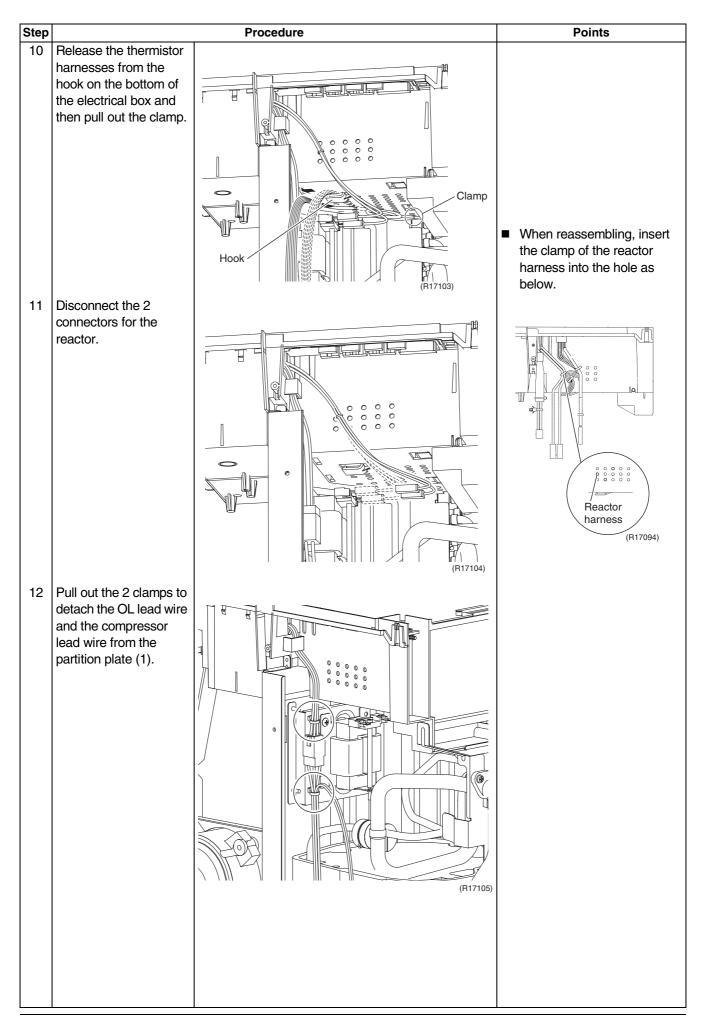
Removal of Electrical Box Si00-776



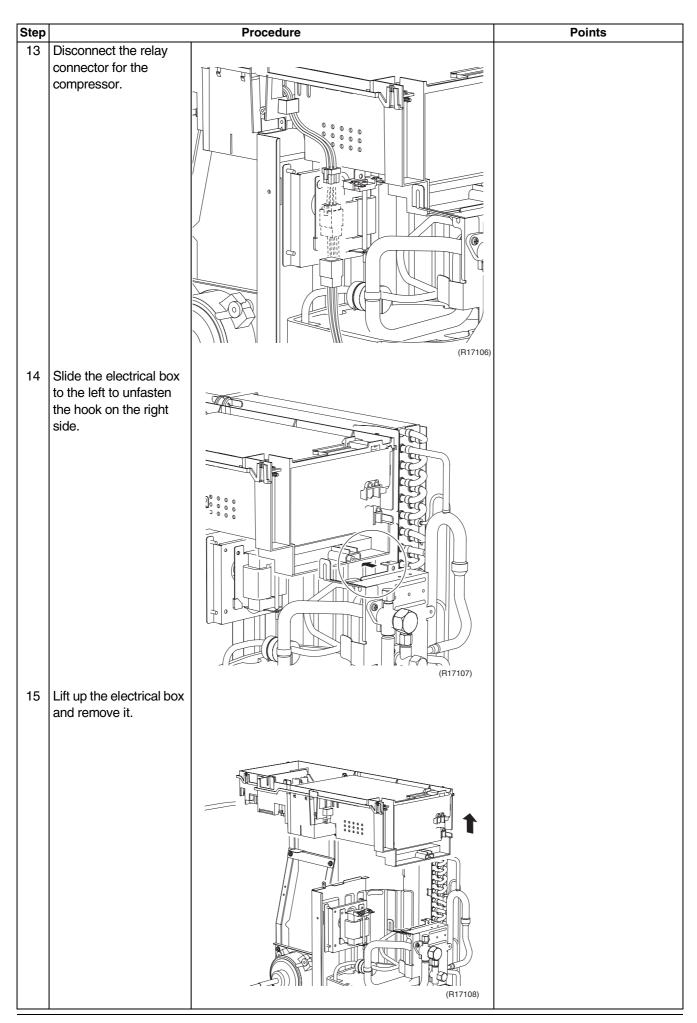
Si00-776 Removal of Electrical Box



Removal of Electrical Box Si00-776



Si00-776 Removal of Electrical Box



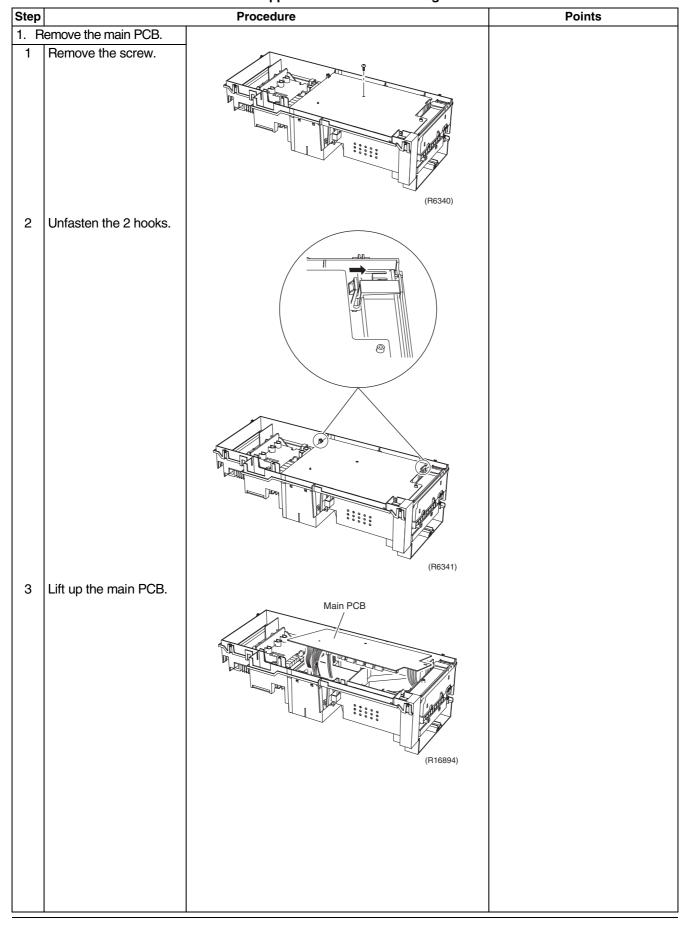
Removal of PCBs Si00-776

3. Removal of PCBs

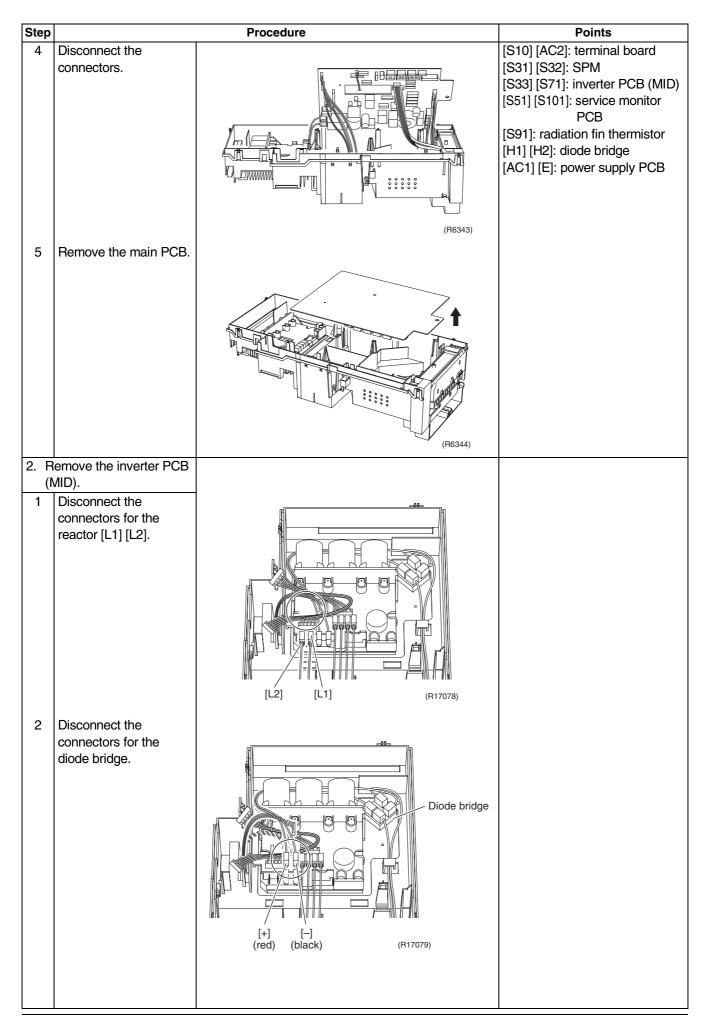
Procedure

Warning

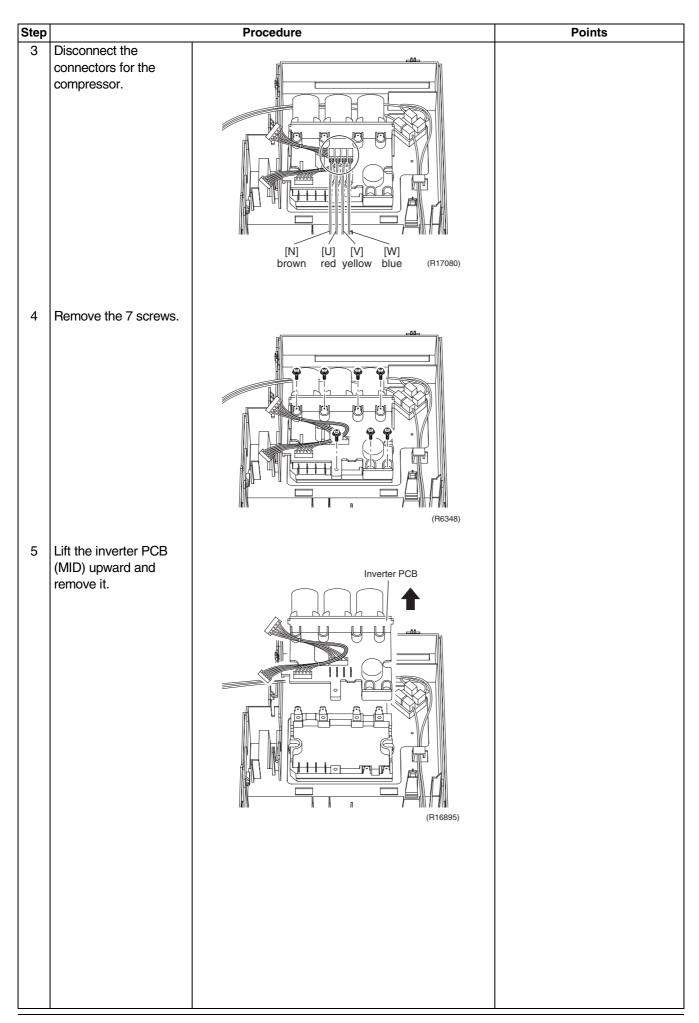
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



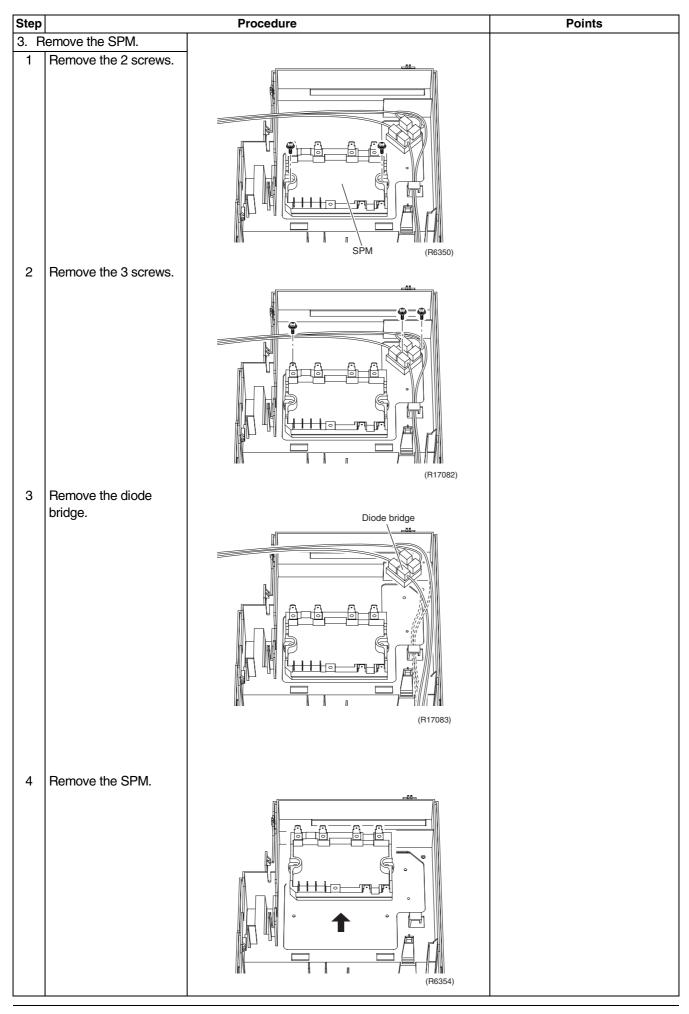
Si00-776 Removal of PCBs



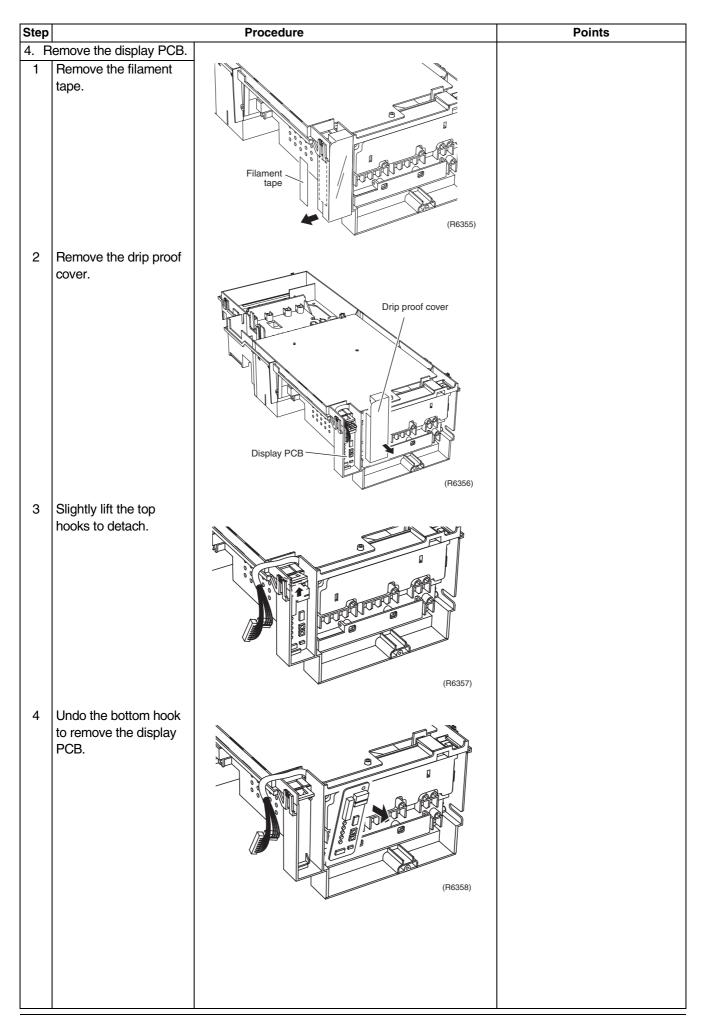
Removal of PCBs Si00-776



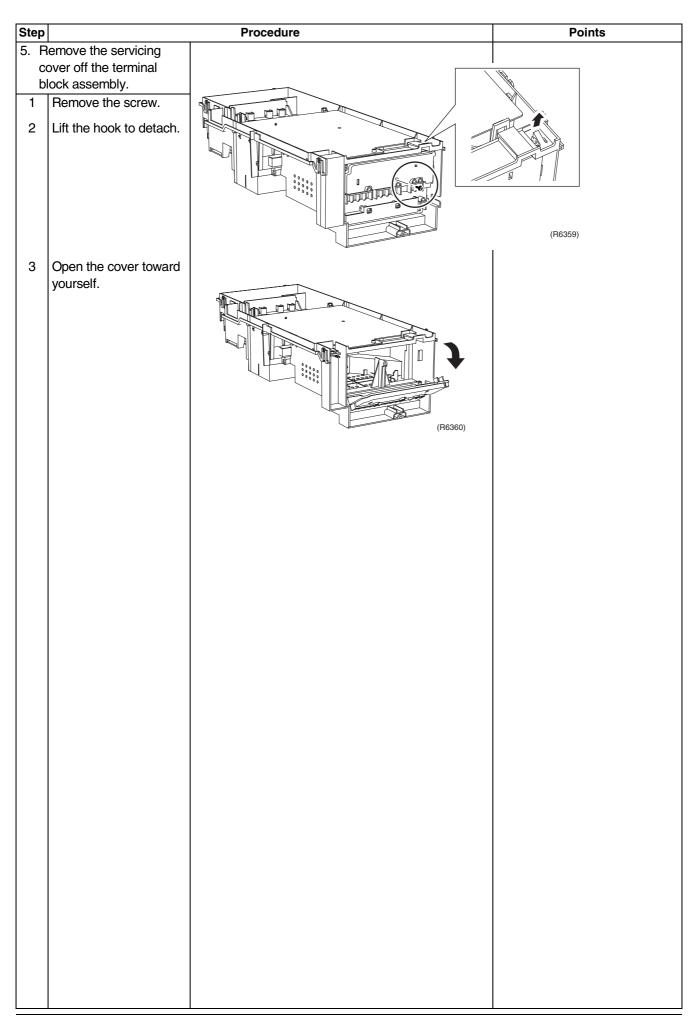
Si00-776 Removal of PCBs



Removal of PCBs Si00-776



Si00-776 Removal of PCBs



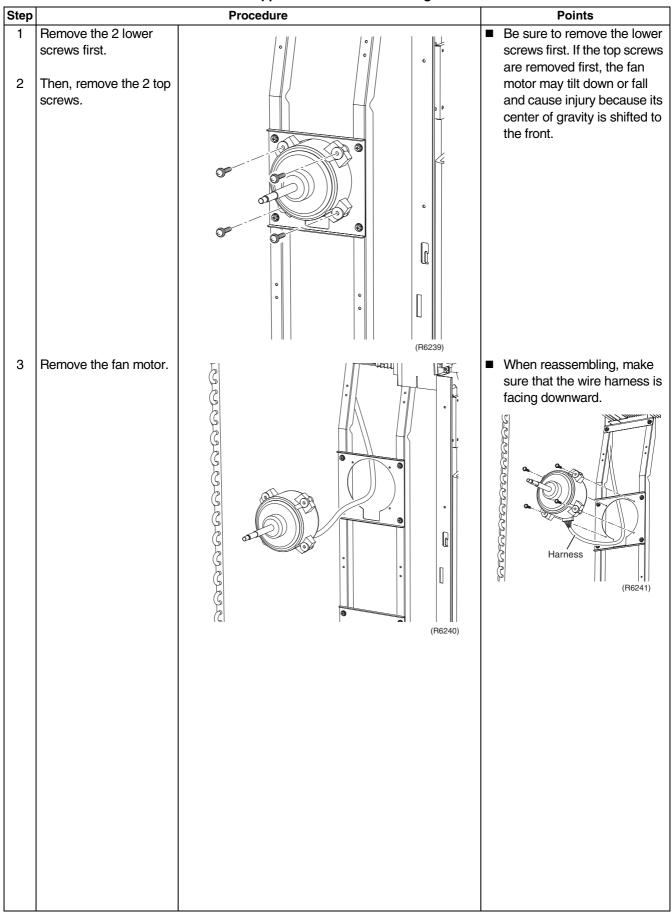
Removal of Fan Motor Si00-776

4. Removal of Fan Motor

Procedure

V Warning

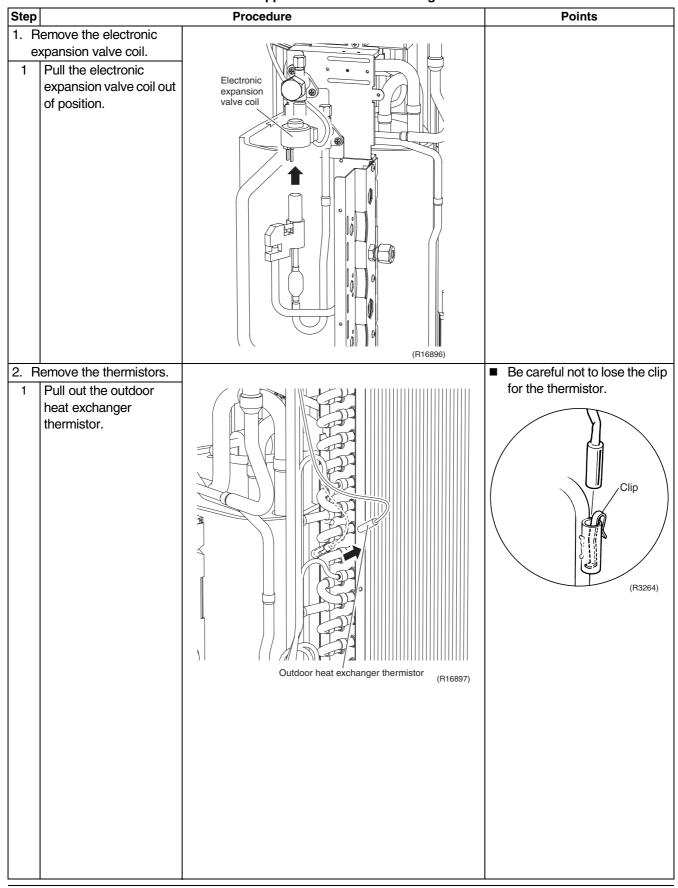
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

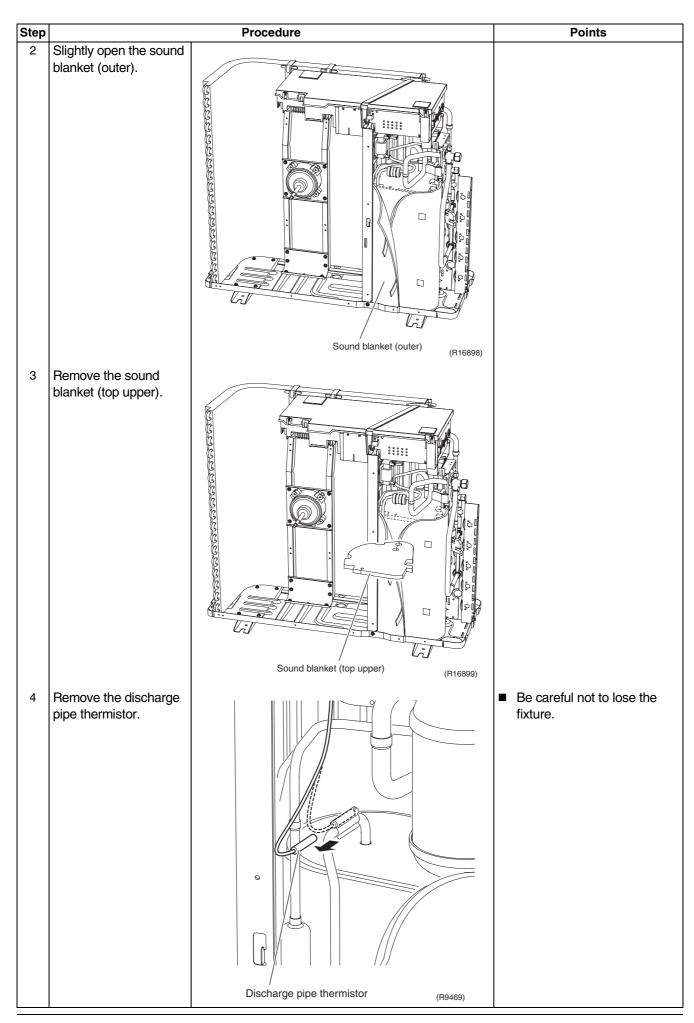


5. Removal of Electronic Expansion Valve Coil / Thermistors

Procedure

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





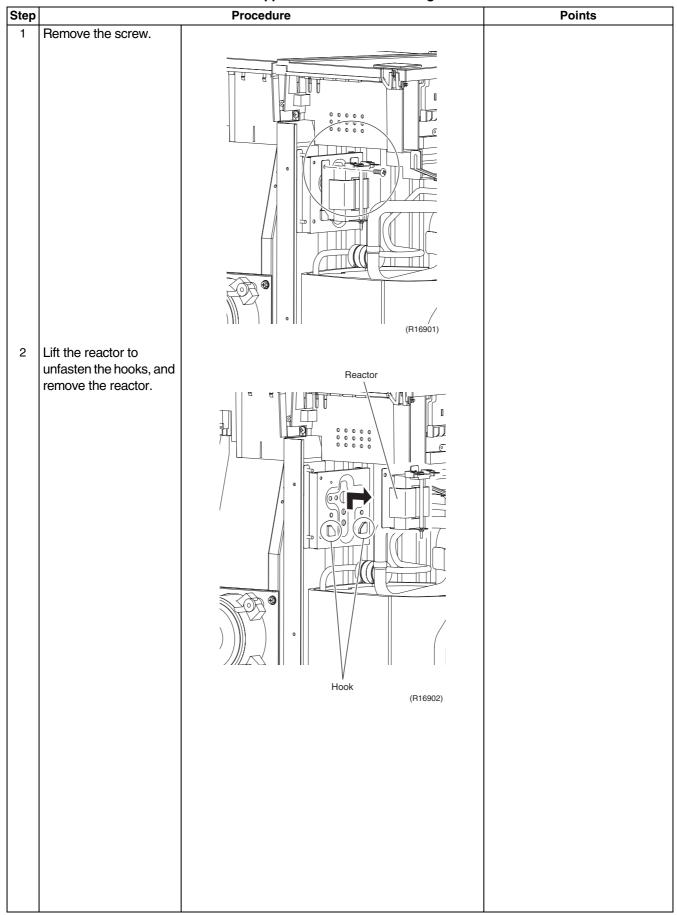
Si00-776 Removal of Reactor

6. Removal of Reactor

Procedure

Warning

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

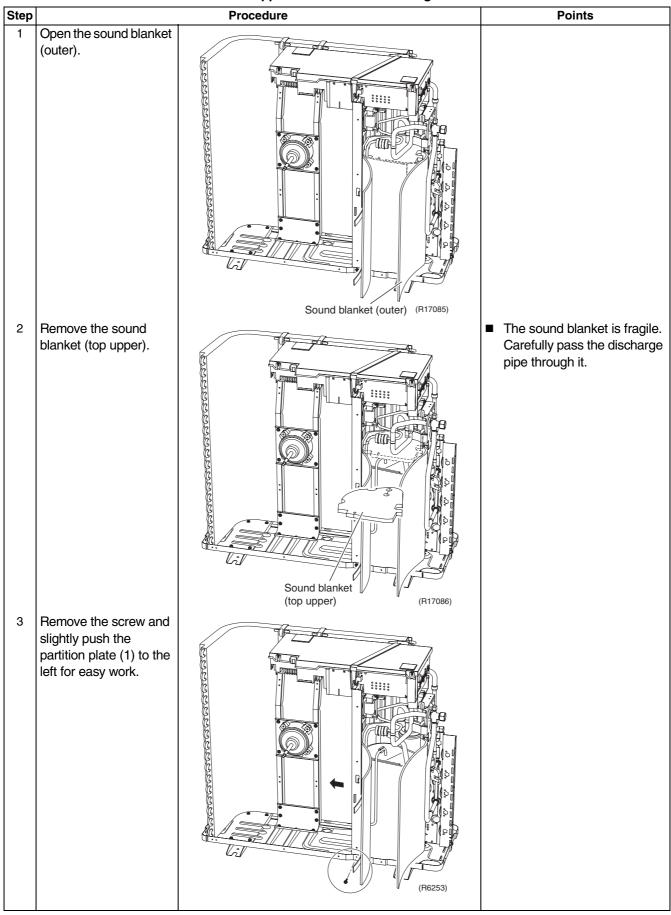


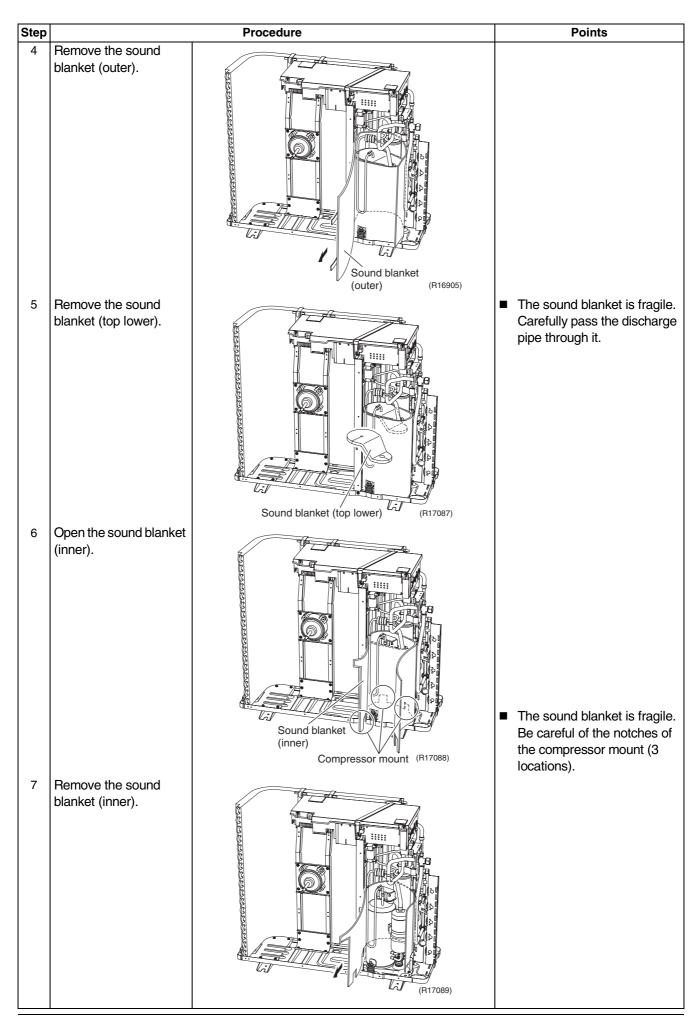
Removal of Sound Blankets Si00-776

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.

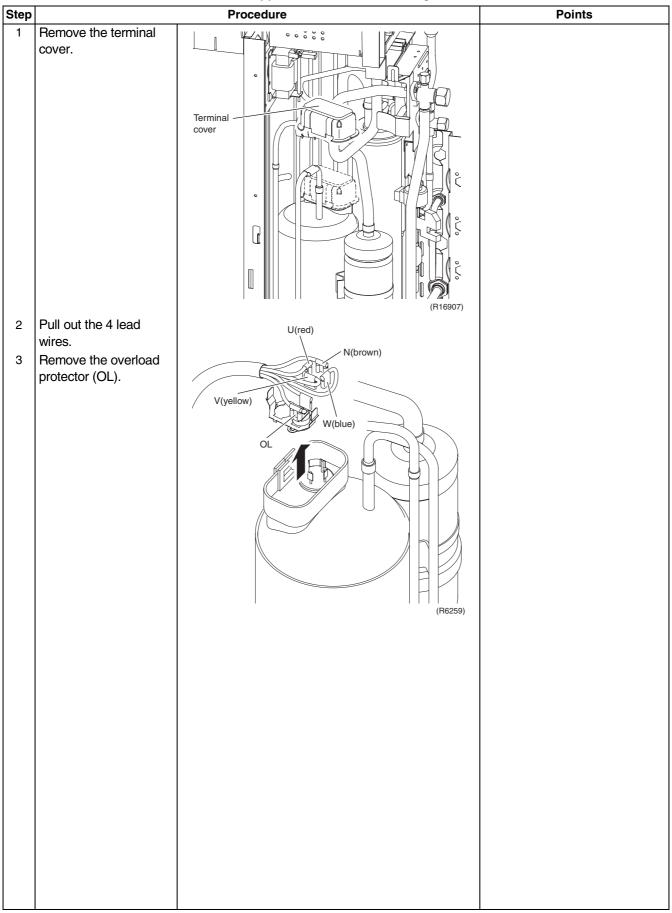




8. Removal of Compressor

Procedure

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



Si00-776

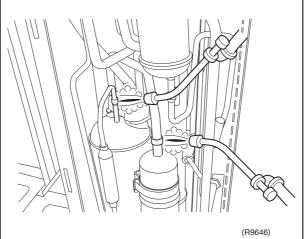
Step

Removal of Compressor

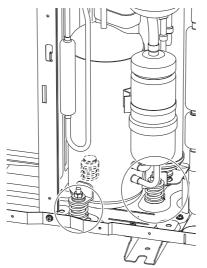
■ Before working, make sure that the refrigerant gas is empty in the circuit.

- Be sure to apply nitrogen replacement when heating up the brazed part.
- Heat up the brazed part and withdraw the piping with pliers.

5



Procedure



Remove the 2 nuts.

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

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.

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.

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.
- Be careful so as not to burn the compressor terminals, the name plate, the heat exchanger fin.

refrigerant gas. **Cautions for restoration** 1. Restore the piping by nonoxidation brazing. (R9472) 2. It is required to prevent the In case of difficulty with gas

Revision History

Month / Year	Version	Revised contents
07 / 2013	Si00-776	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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