



SERVICE MANUAL

7.0/8.0/9.0/10.0 kW Class 24000/32000 Btu/h Class





Inverter



Multi Type



Service Manual Removal Procedure

Outdoor Unit

Applicable Models

● Cooling Only 2MKS70JVLT

2MKS80JVLT 3MKS90KVLT

4MKS100KVLT

4MKS90EVMA

4MKS80KVM 4MKS100KVM

5MKS90E2V3B

Heat Pump

3MXS24JVJU 4MXS32GVJU

2MXS70JVLT 2MXS80JVLT 3MXS90KVLT 4MXS100KVLT

4MXS80EVMA

4MXS80KVM 4MXS100KVM

4MXS80E2V3B 5MXS90E2V3B

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

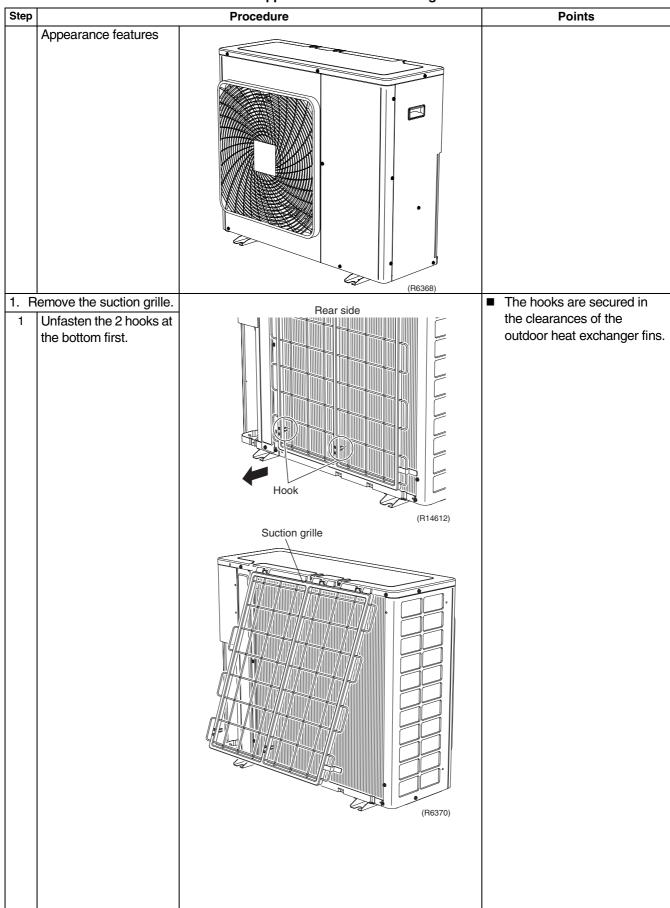
Removal of Outer Panels Si121176

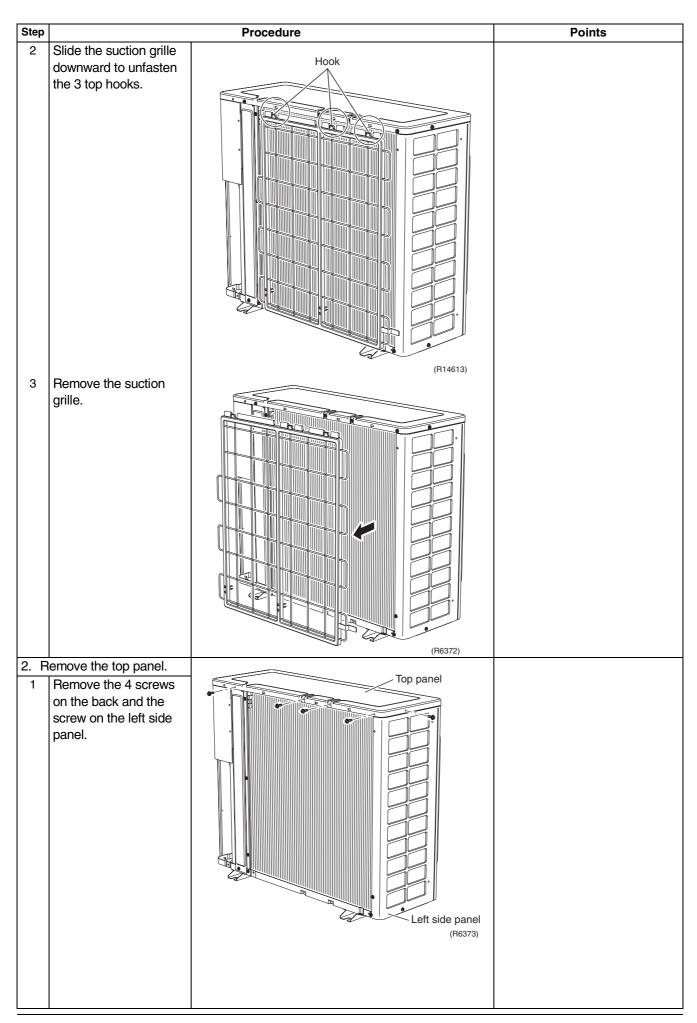
1. Removal of Outer Panels

Procedure

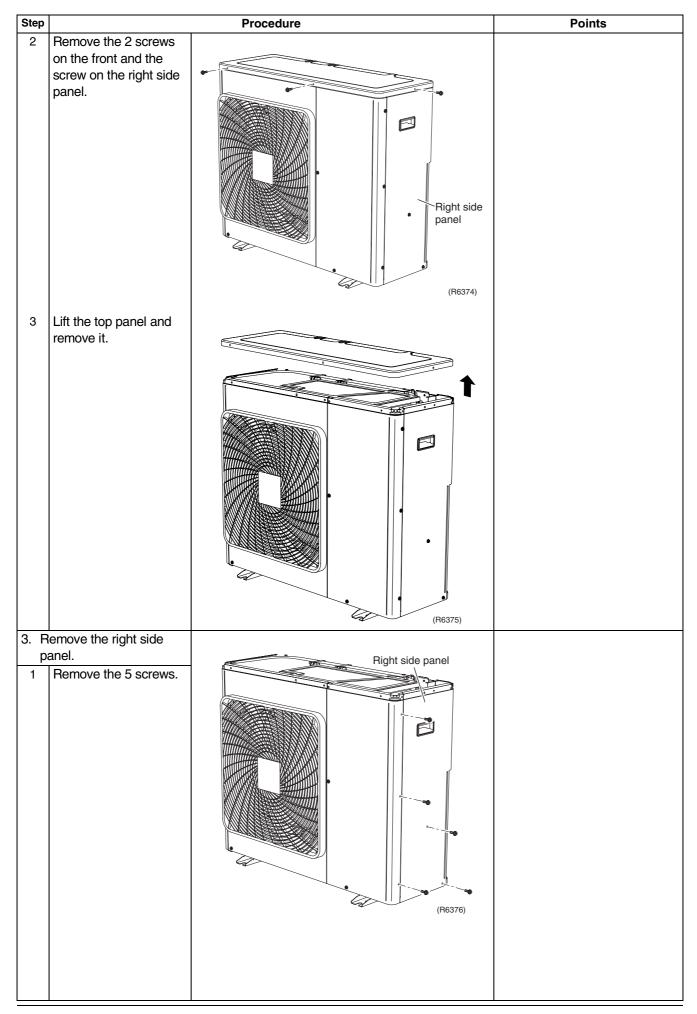


Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

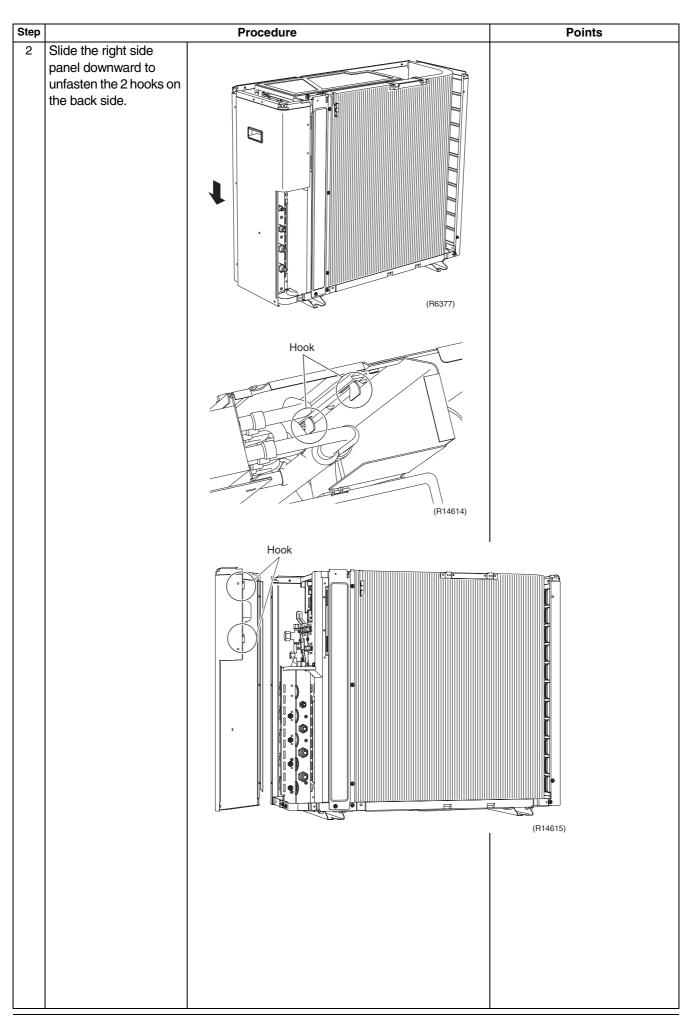




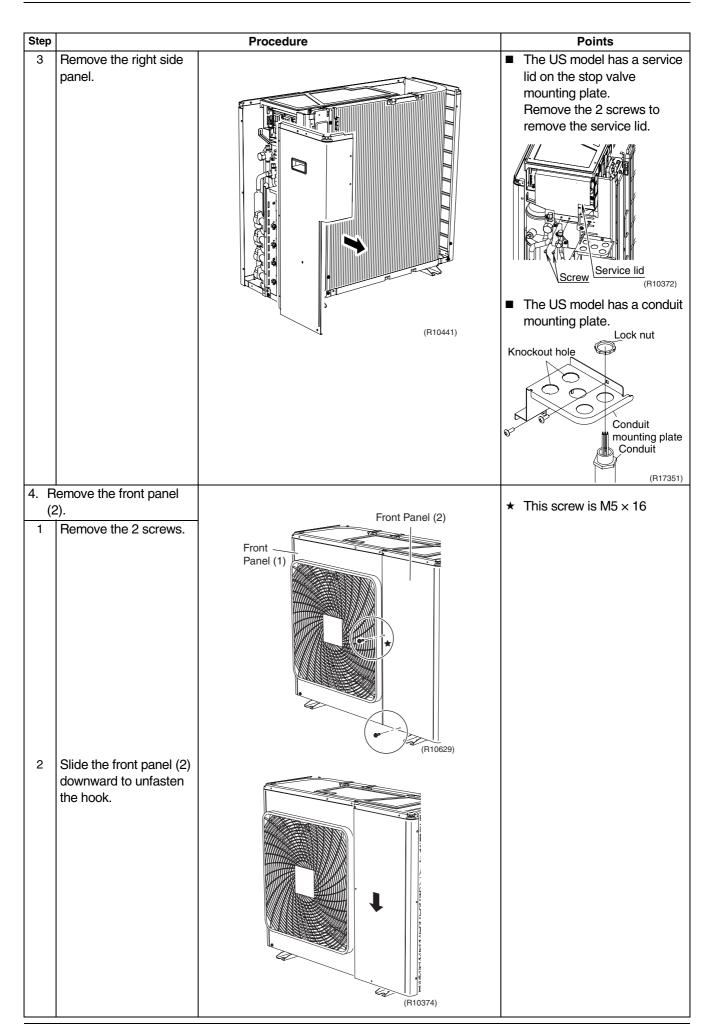
Removal of Outer Panels Si121176

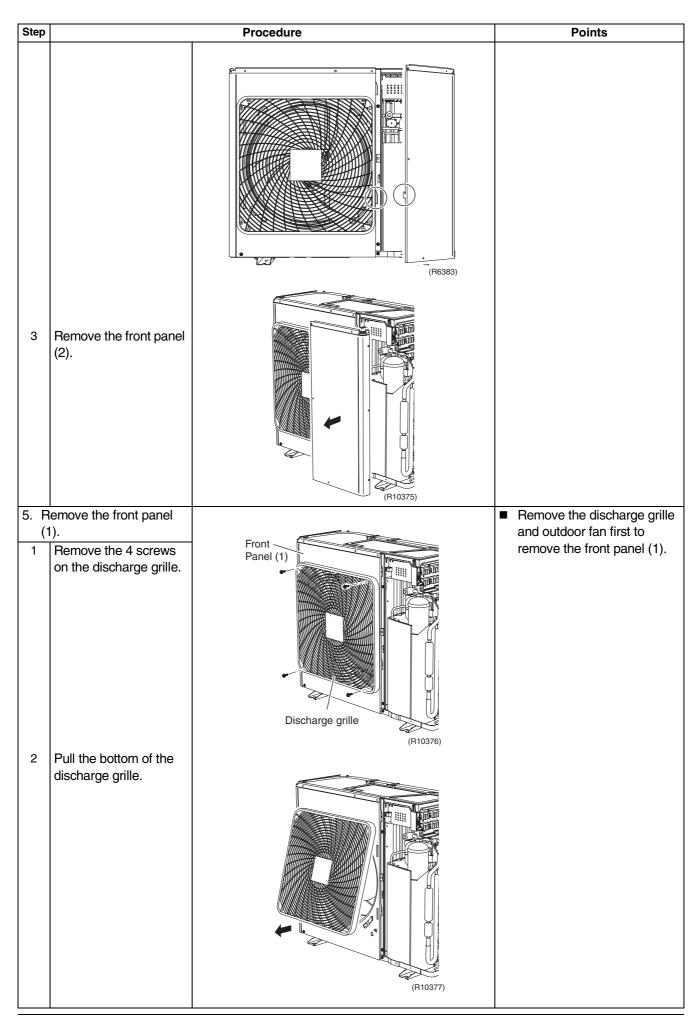


Removal of Outer Panels

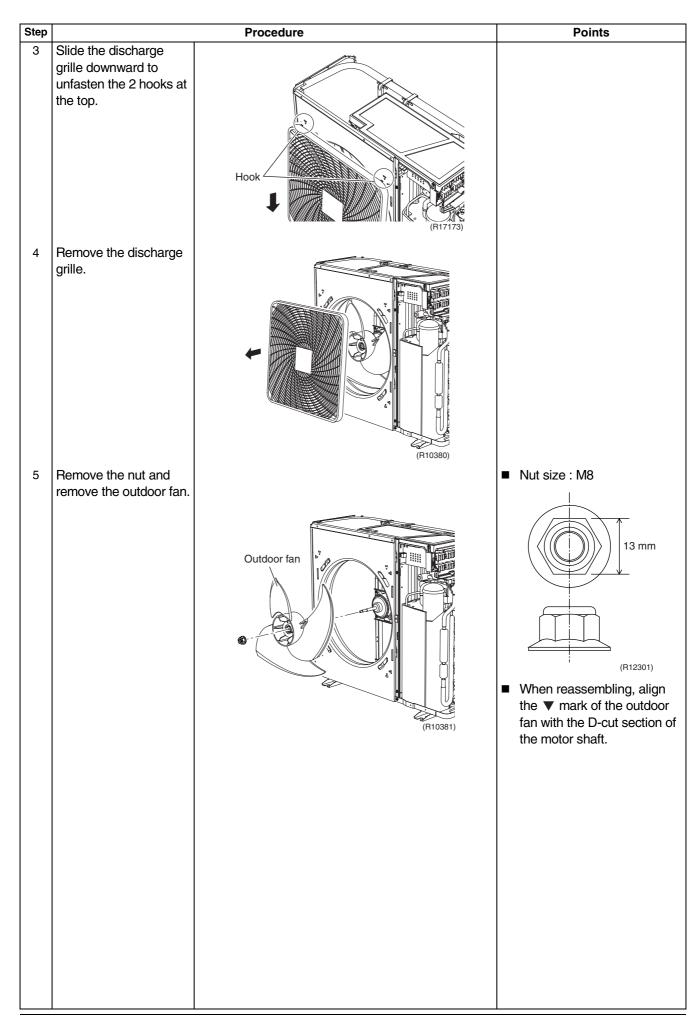


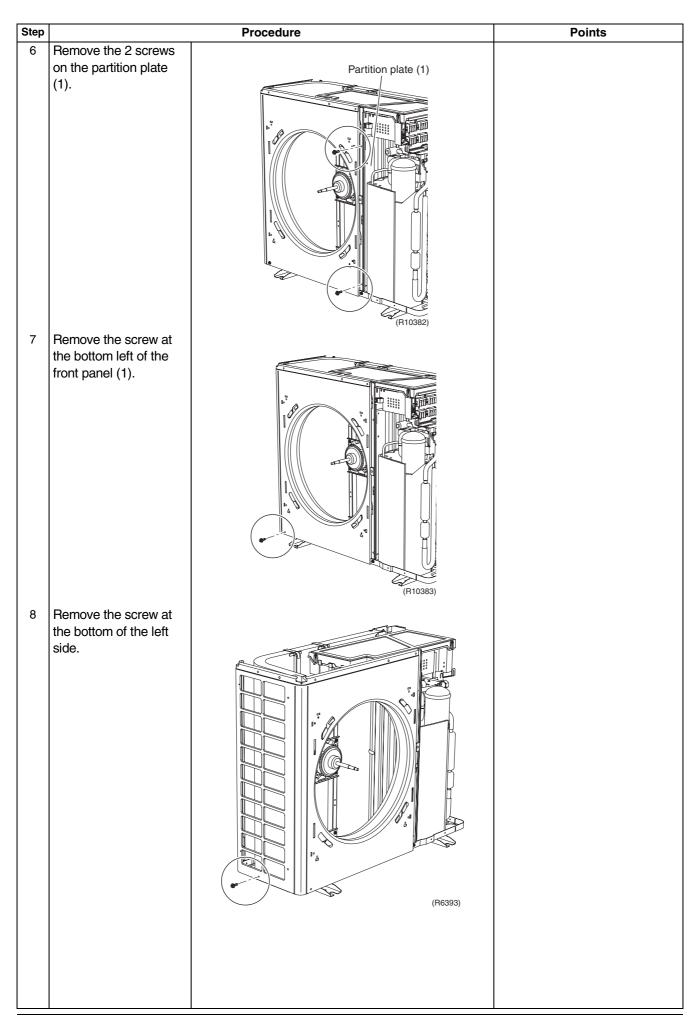
Removal of Outer Panels Si121176



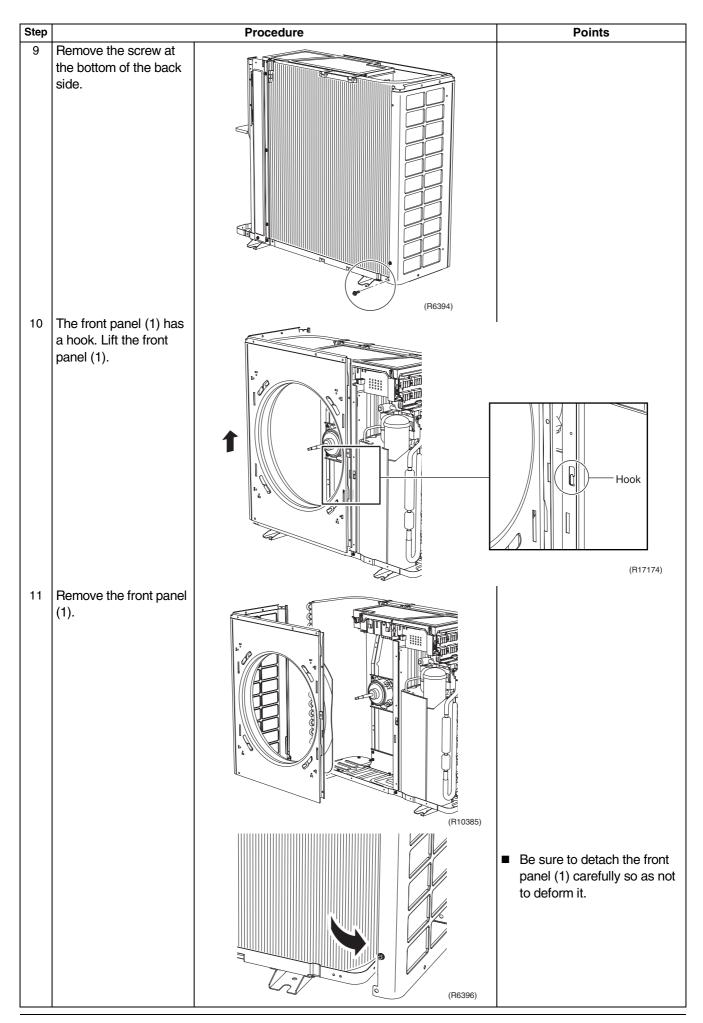


Removal of Outer Panels Si121176

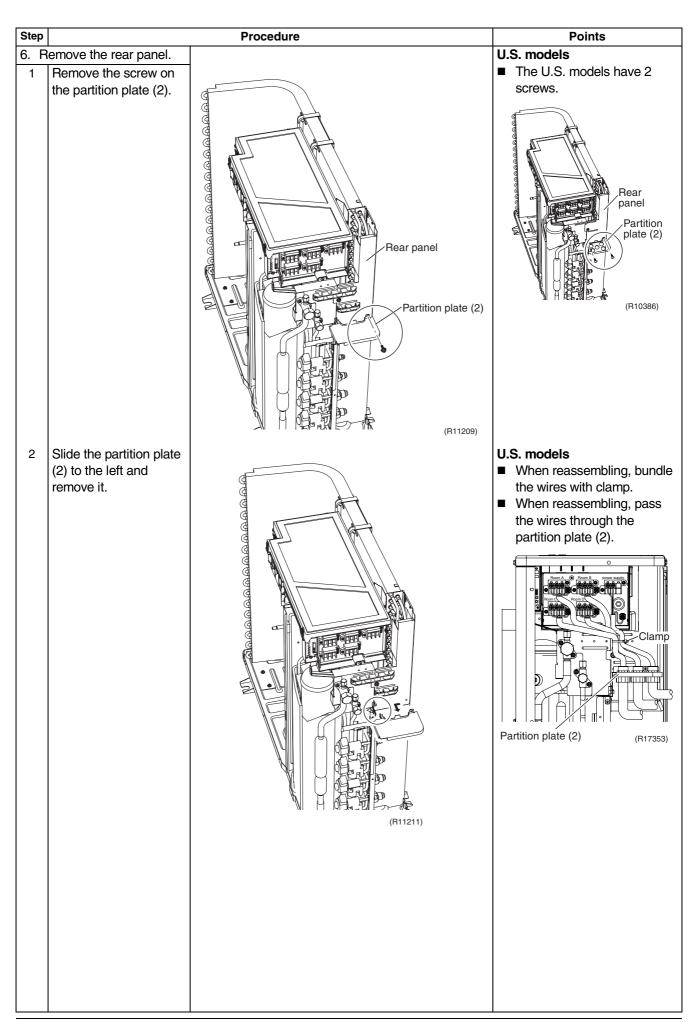




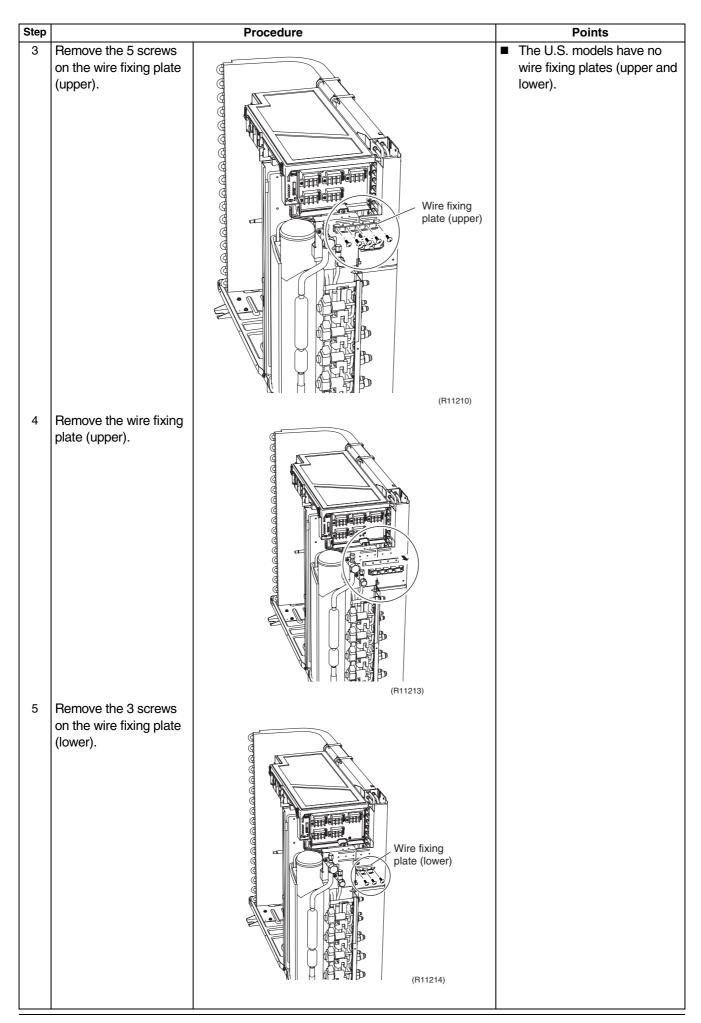
Removal of Outer Panels Si121176



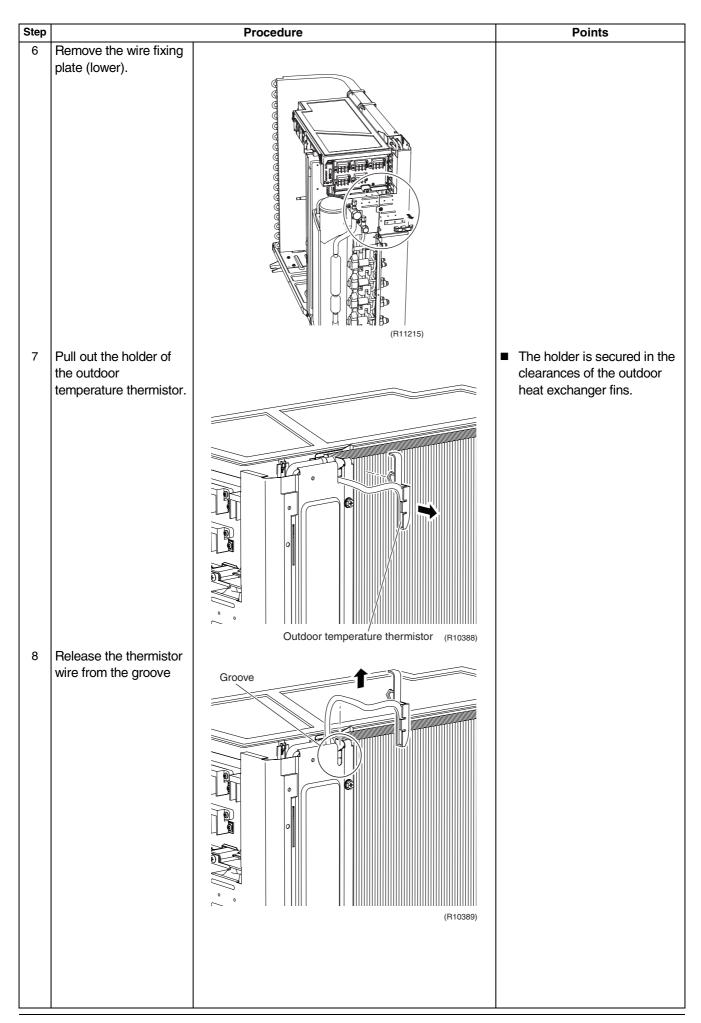
Si121176 Removal of Outer Panels



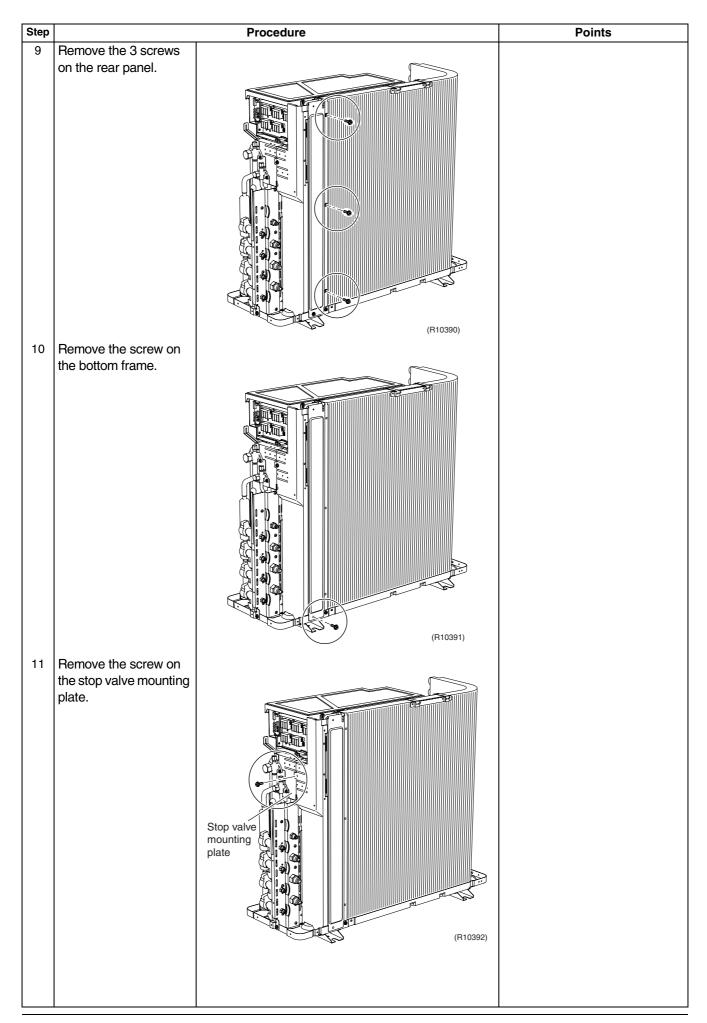
Removal of Outer Panels Si121176

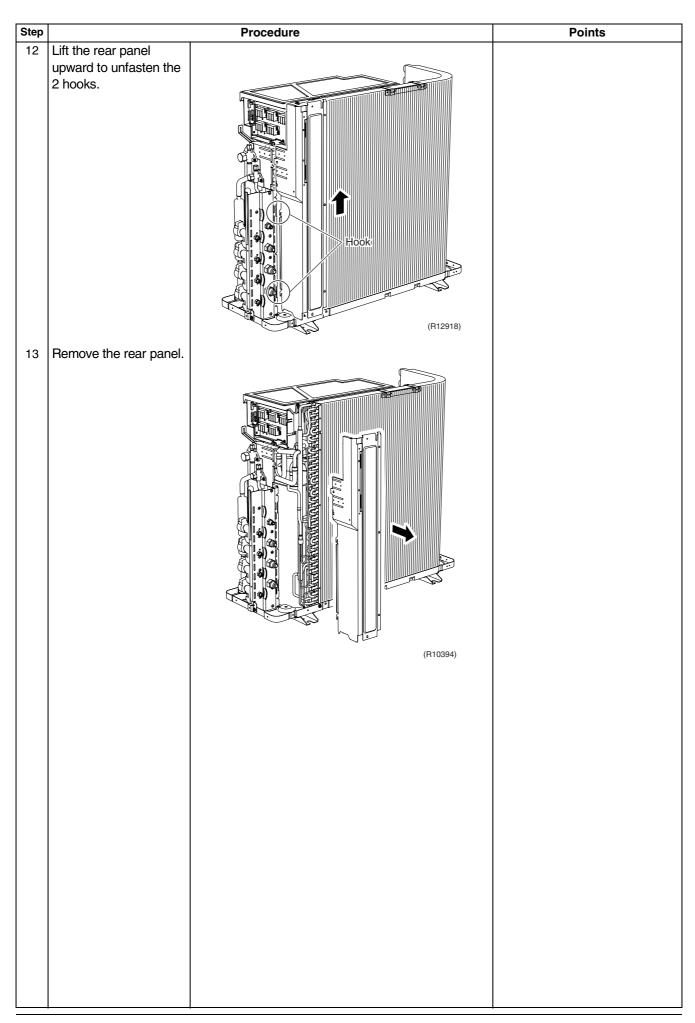


Si121176 Removal of Outer Panels



Removal of Outer Panels Si121176





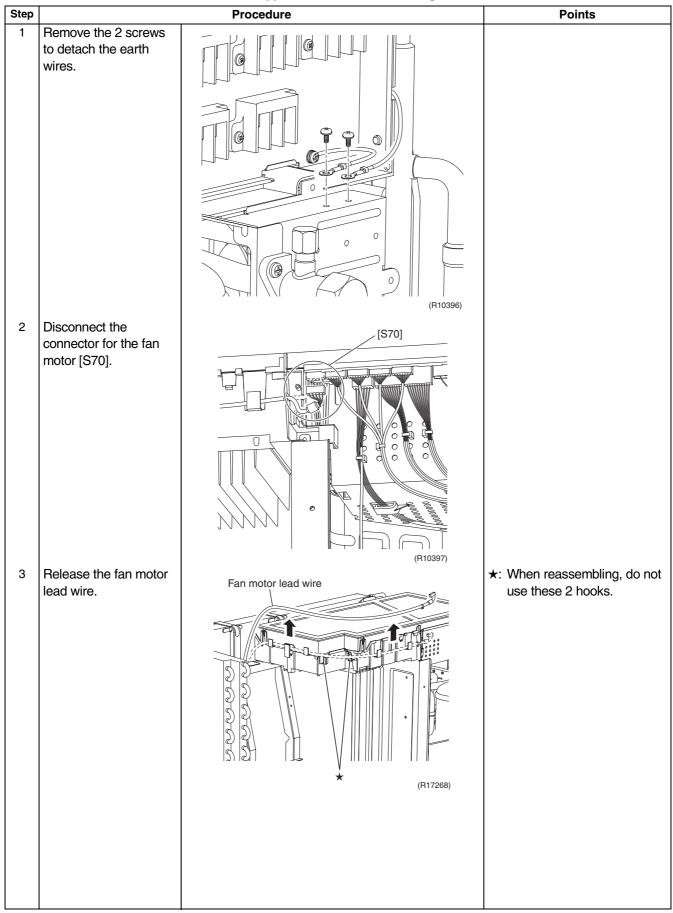
Removal of Electrical Box Si121176

2. Removal of Electrical Box

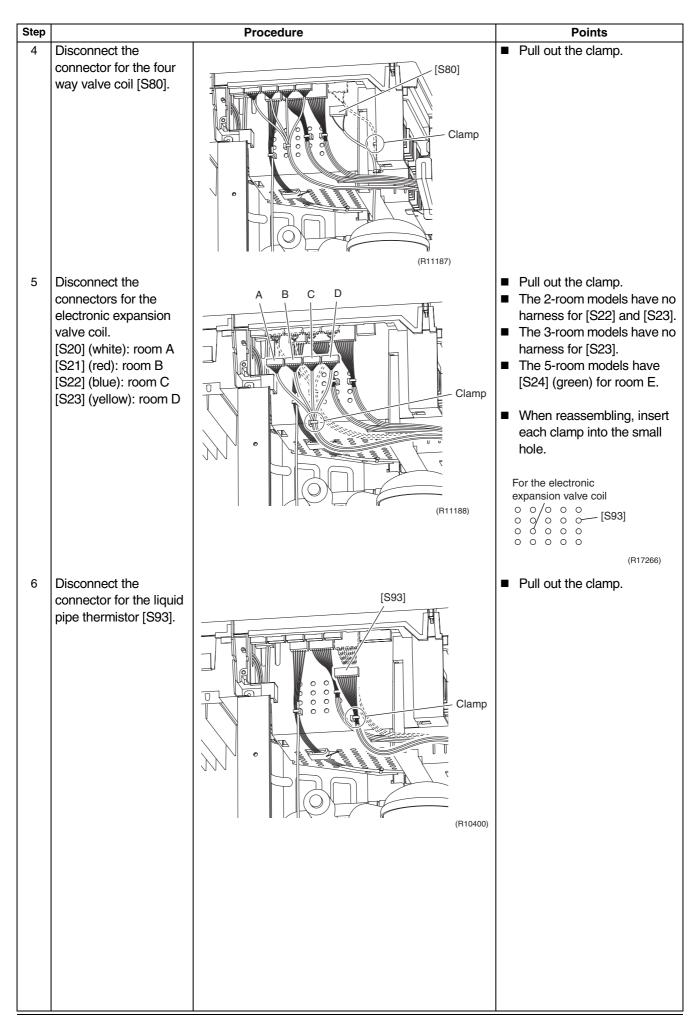
Procedure

/ Warning

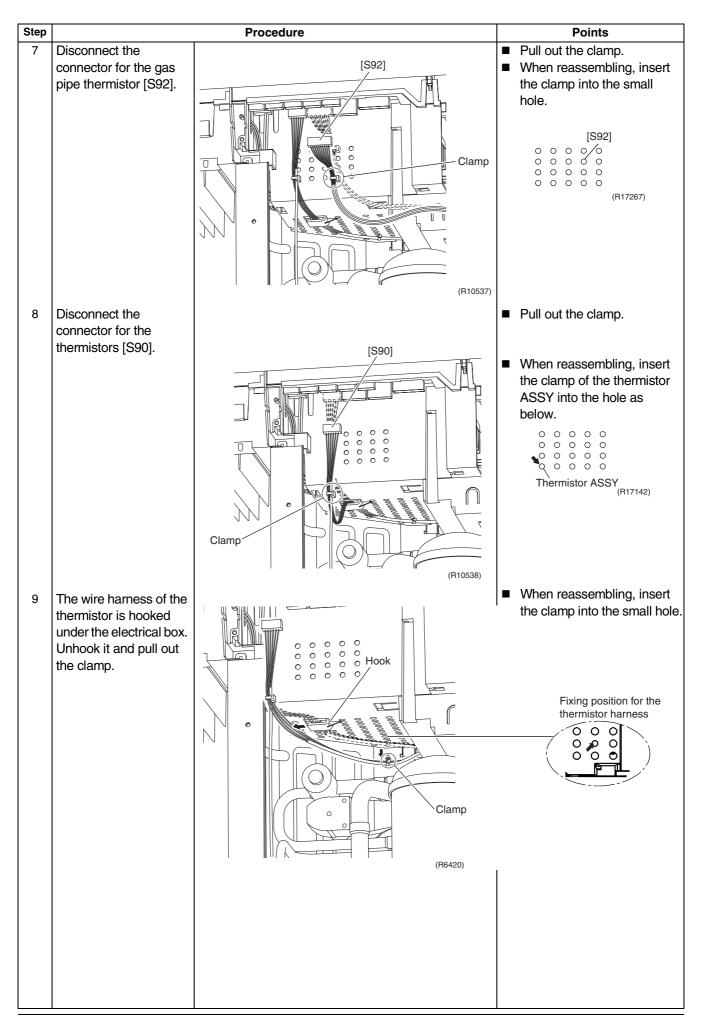
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

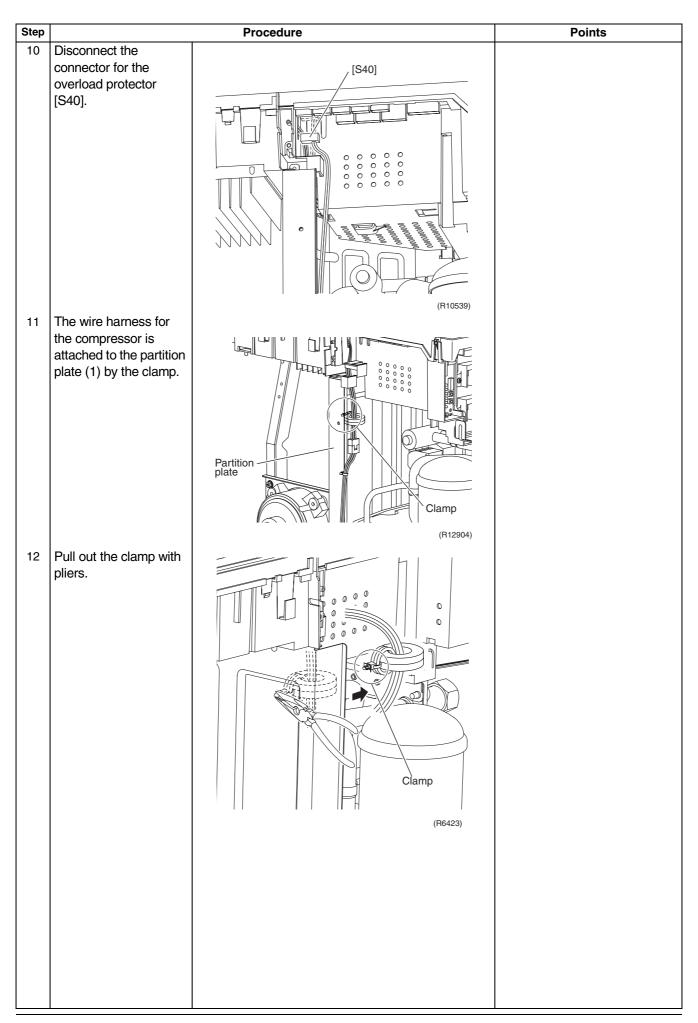


Si121176 Removal of Electrical Box

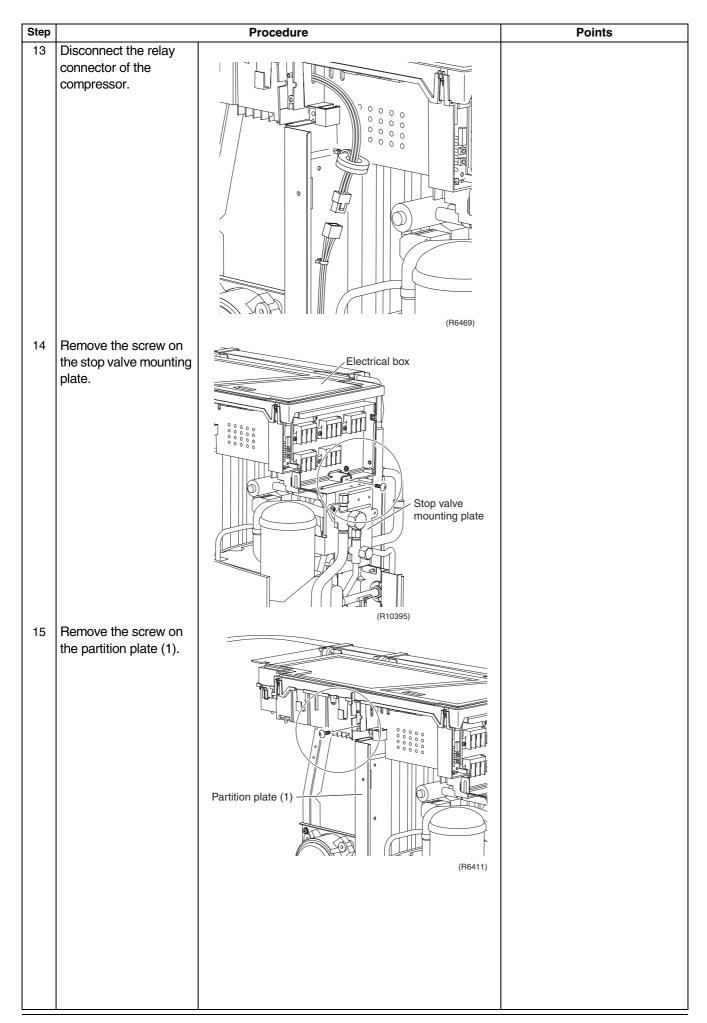


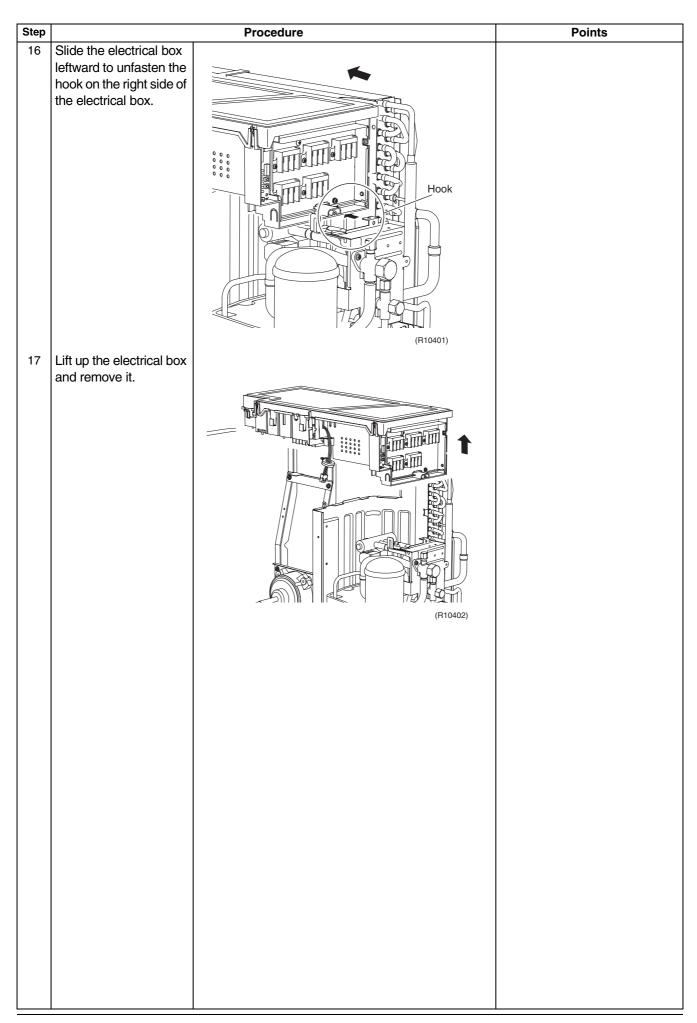
Removal of Electrical Box Si121176





Removal of Electrical Box Si121176





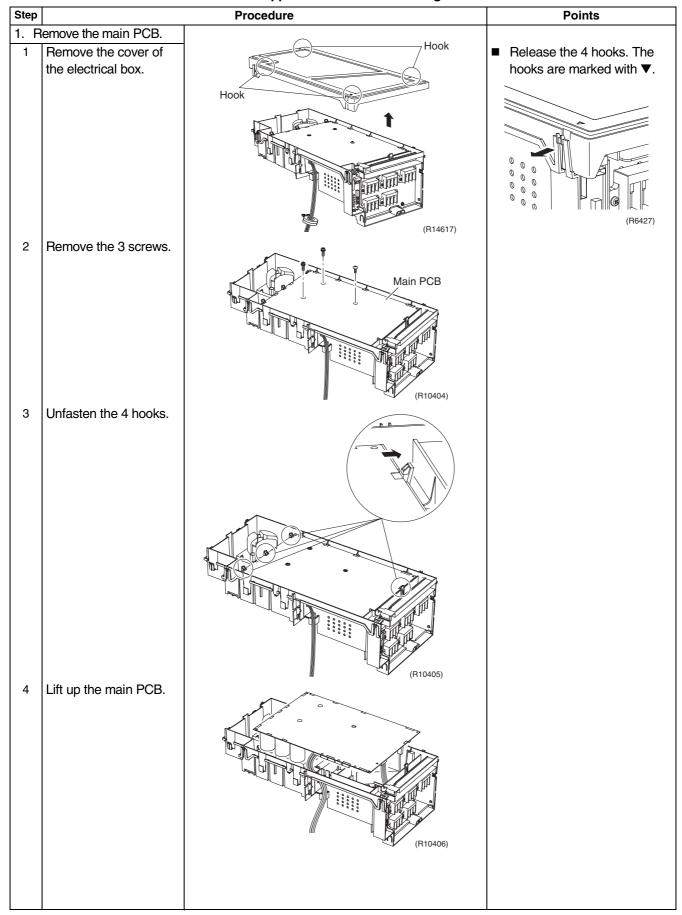
Removal of PCBs Si121176

3. Removal of PCBs

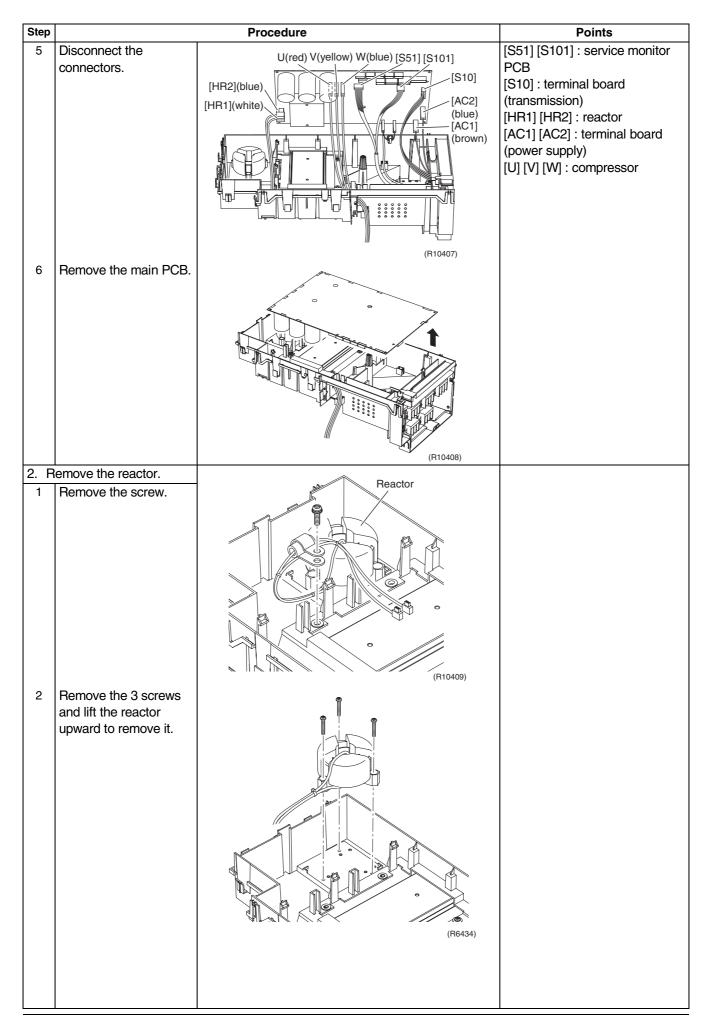
Procedure

/ Warning

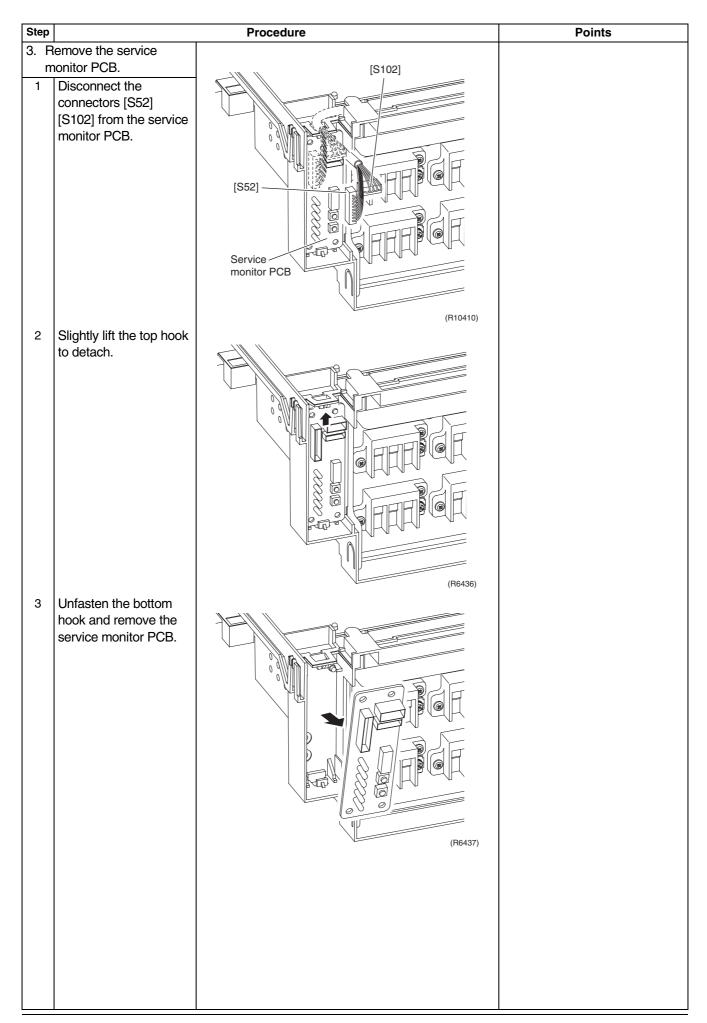
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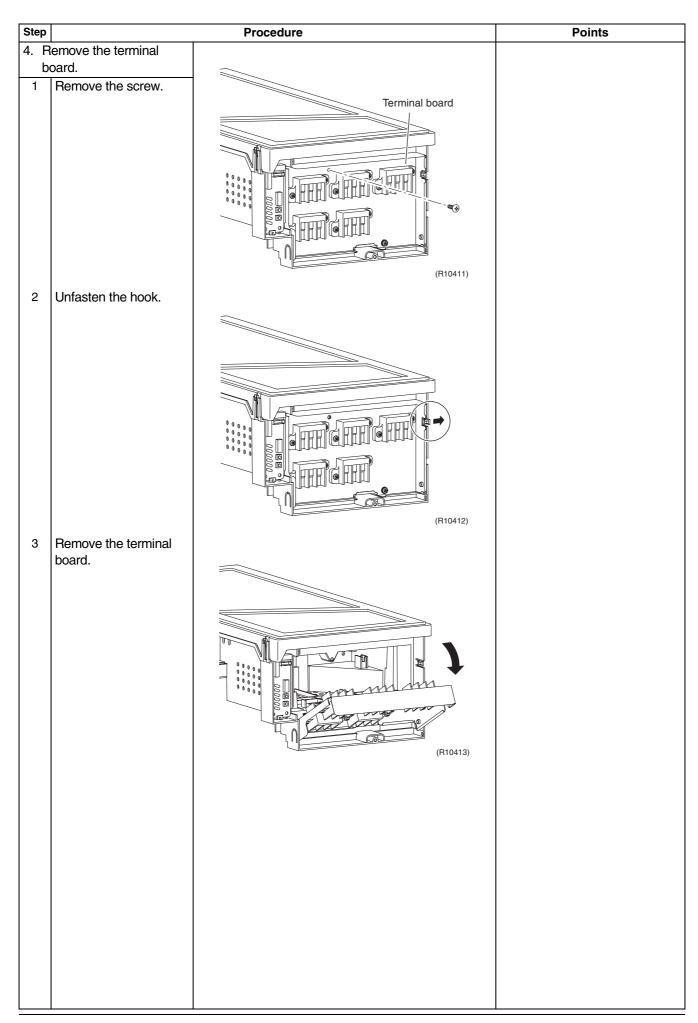
Si121176 Removal of PCBs



Removal of PCBs Si121176



Si121176 Removal of PCBs



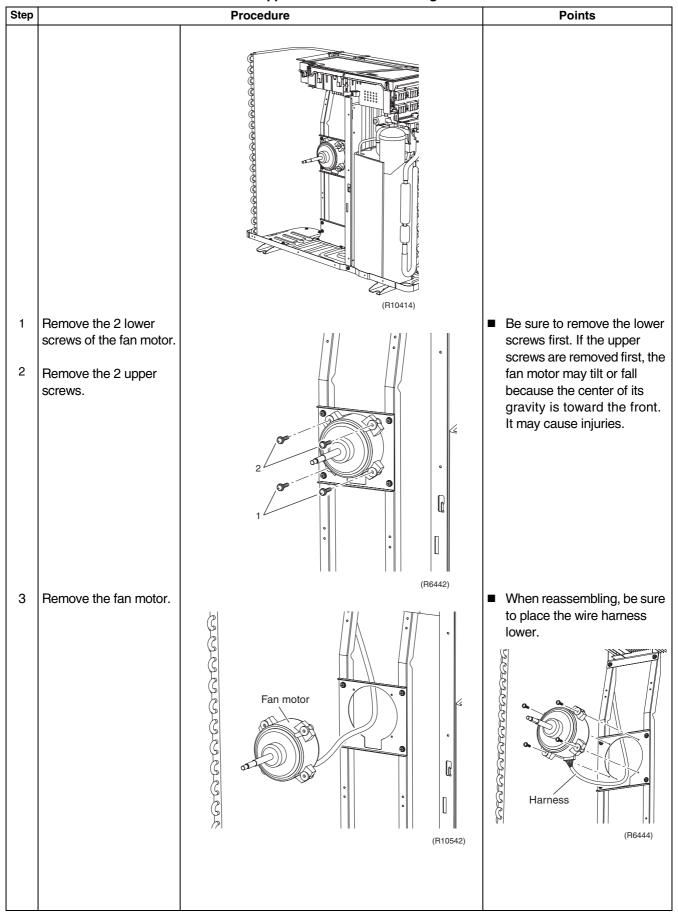
Removal of Fan Motor Si121176

4. Removal of Fan Motor

Procedure

! Warning

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

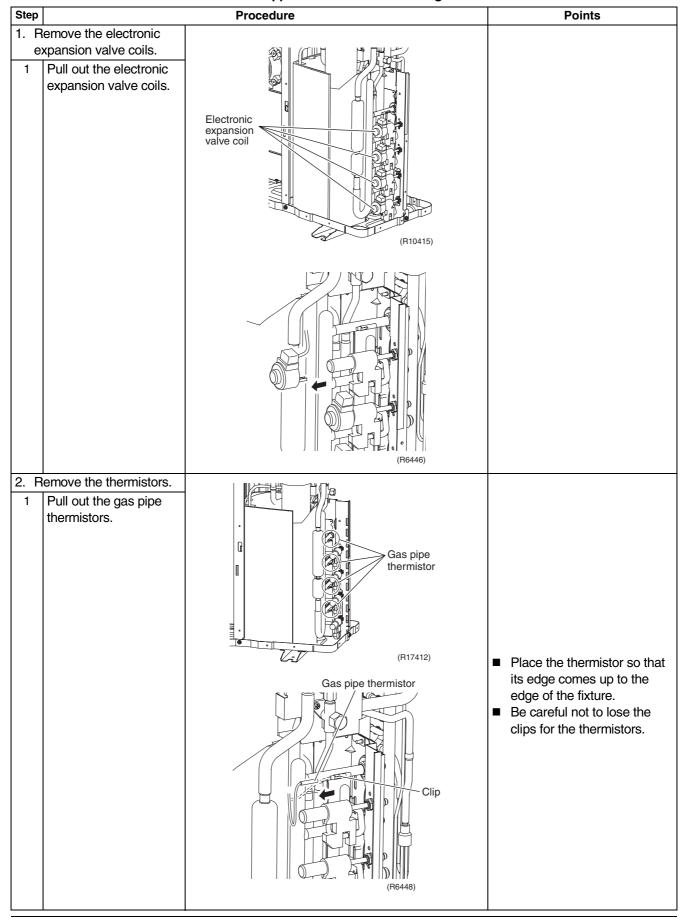


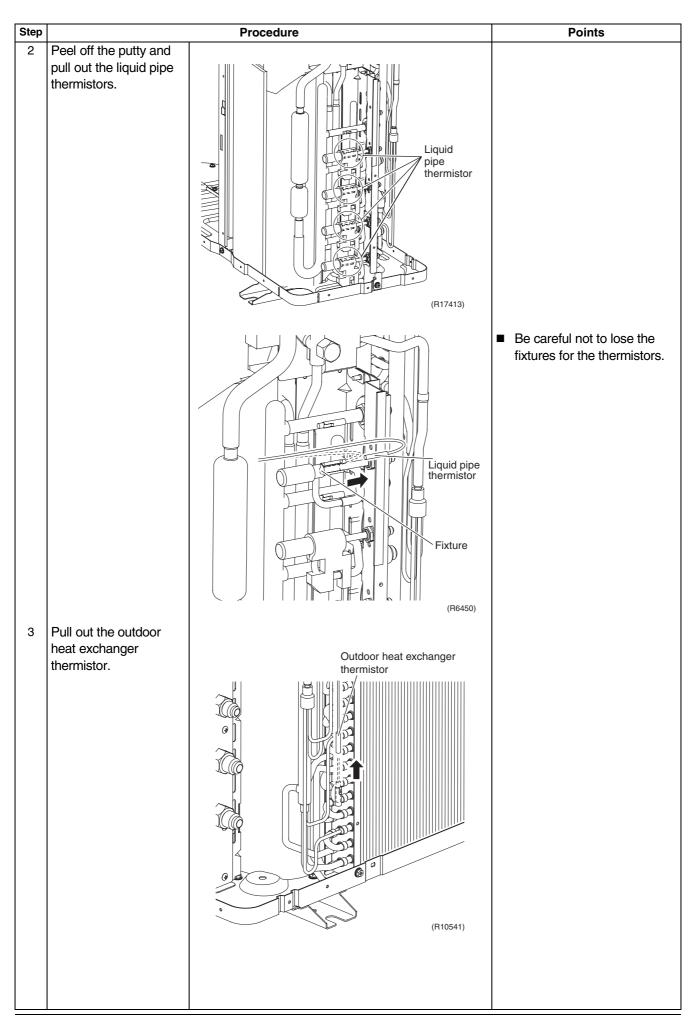
5. Removal of Coils / Thermistors

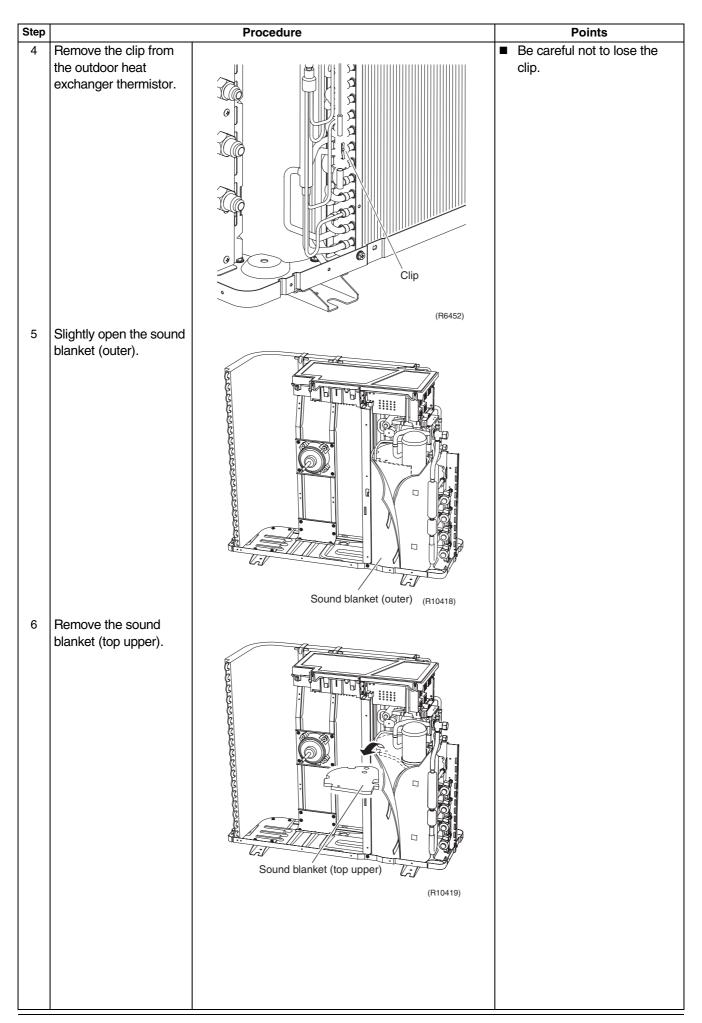
Procedure

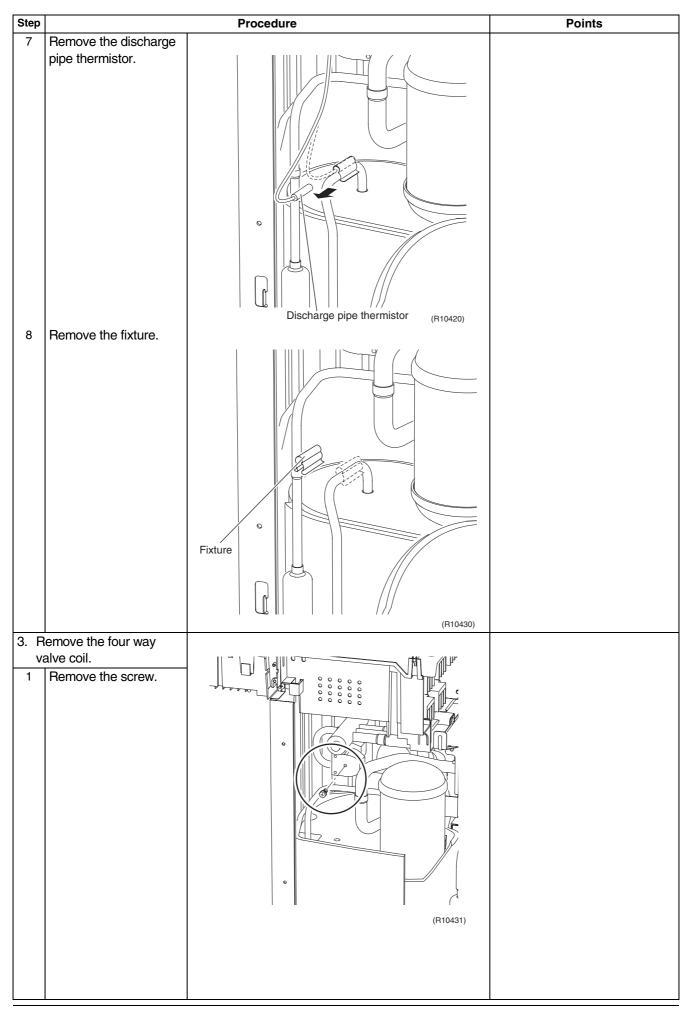
⚠ Warning

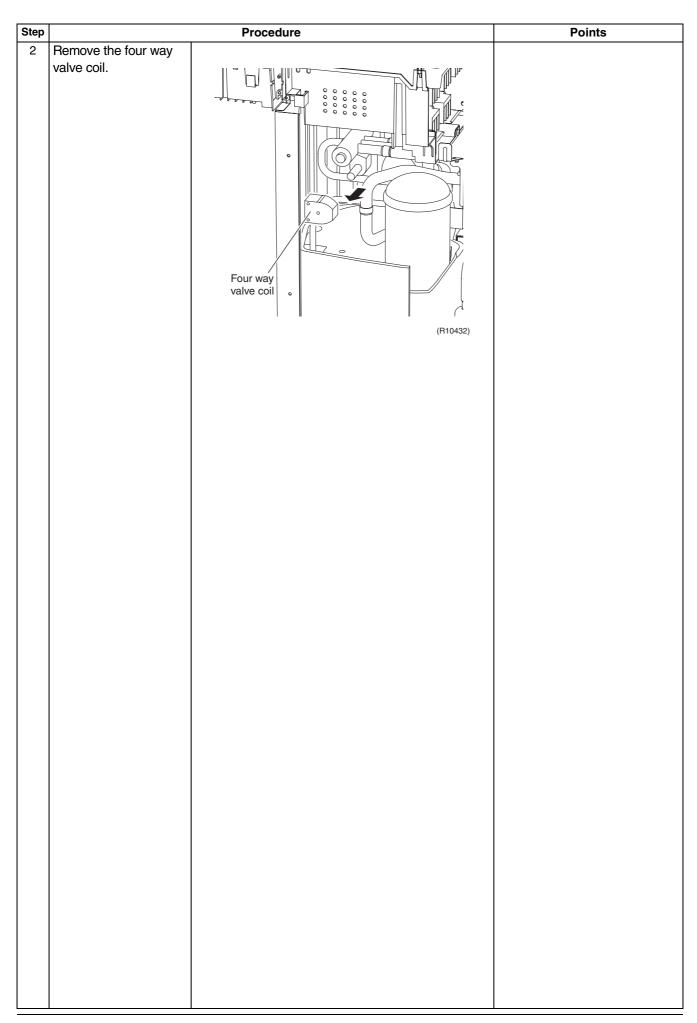
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.











Removal of Sound Blankets Si121176

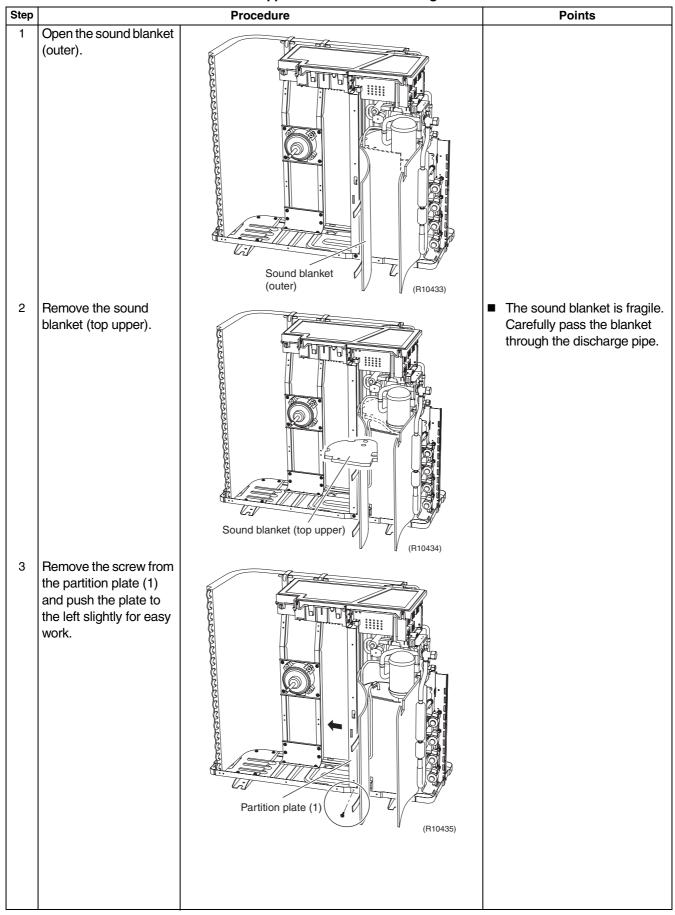
6. Removal of Sound Blankets

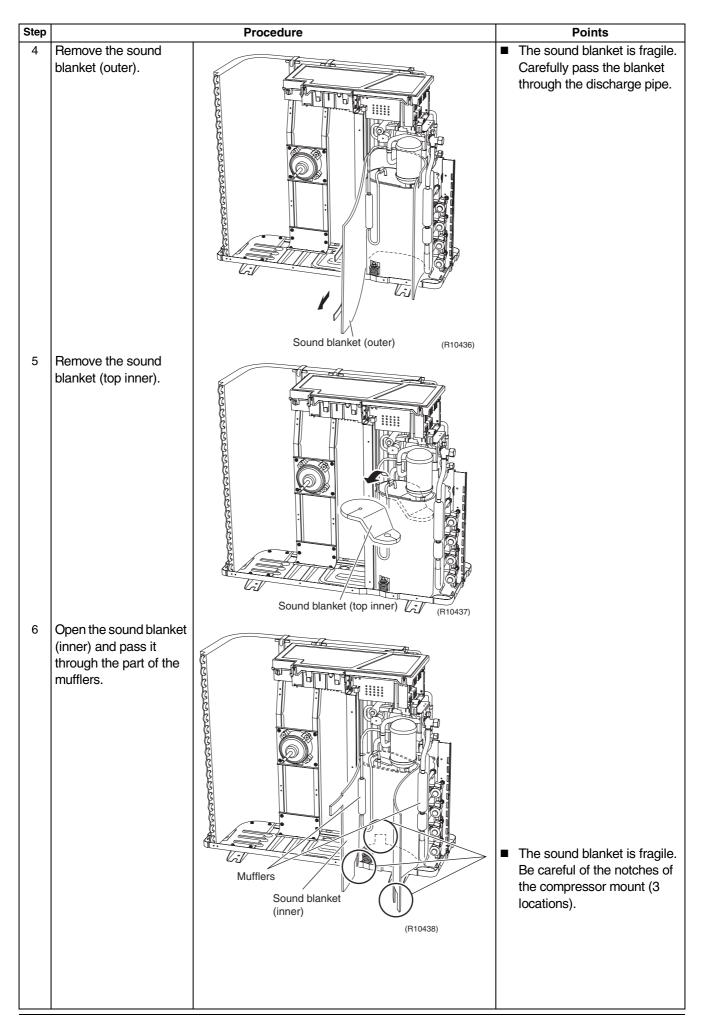
Procedure

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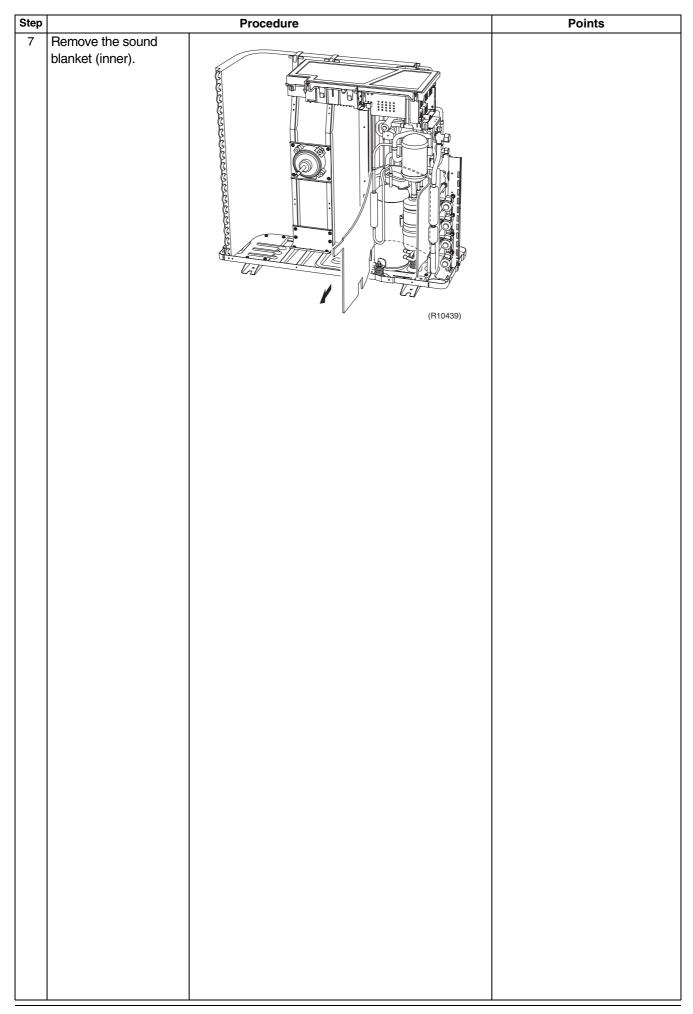
Warning

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





Removal of Sound Blankets Si121176

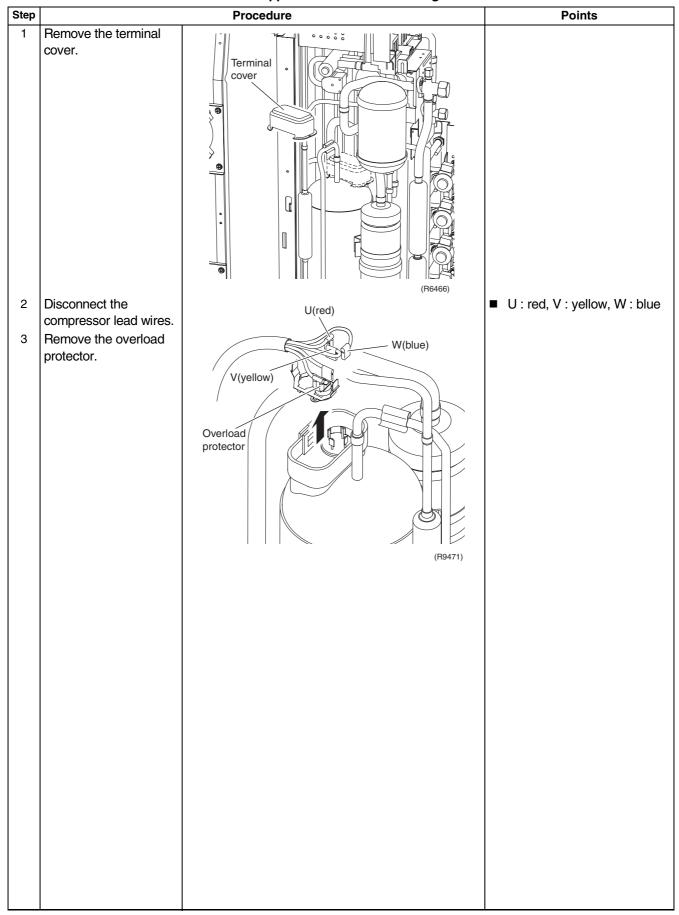


7. Removal of Compressor

Procedure

/ Warning

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



Removal of Compressor Si121176

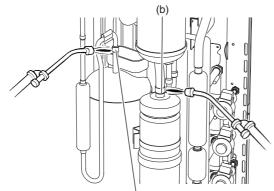
Procedure

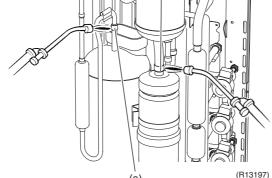
Step

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

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.
- 6 Remove the 3 nuts.
- 7 Lift the compressor up to remove it.





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.

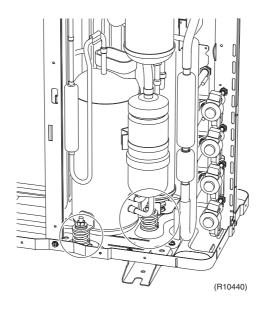
Caution From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.

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.
- Some models have 2 nuts.



Revision History

Month / Year	Version	Revised contents
08/2012	Si121176	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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