

Si12-993

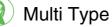


6.8 kW Class



Outdoor Unit







Service Manual Removal Procedure

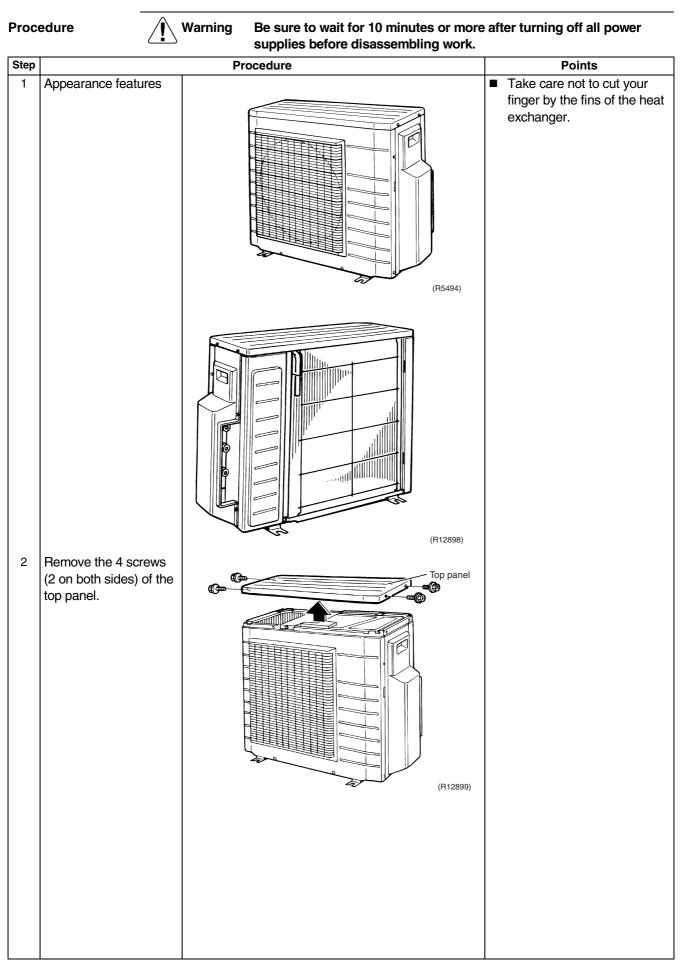
Outdoor Unit

•Heat Pump 3MXS68HVLD

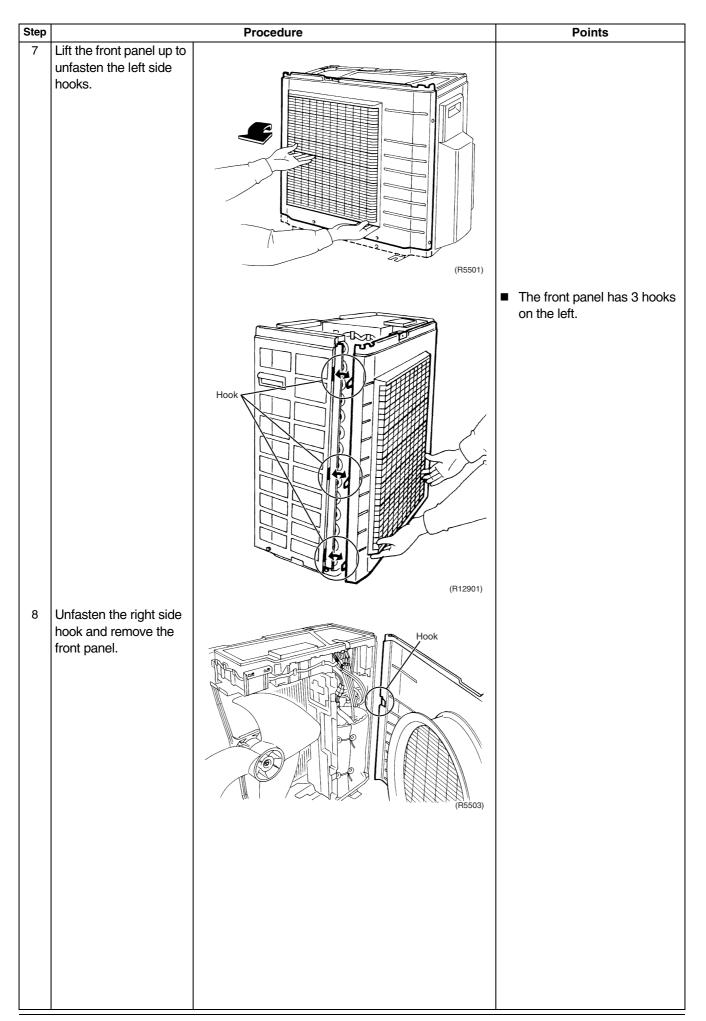
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1. Removal of Outer Panels



Step		Procedure	Points
3	Remove the 6 screws of the front panel.	<image/>	
4	Remove the screw of the shield plate.	Shield plate	
5	Slide the shield plate to the left to unfasten the hooks and remove the shield plate.	(F5499)	
6	Unfasten the upper 2 hooks.	(R5500)	Align the position of hole of the upper hook to pull the front panel out.

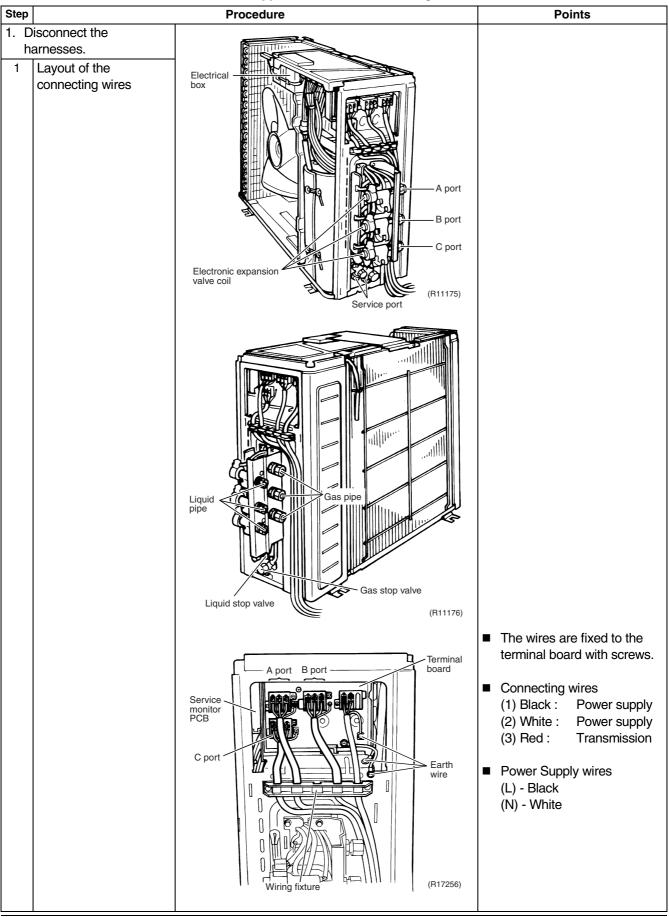


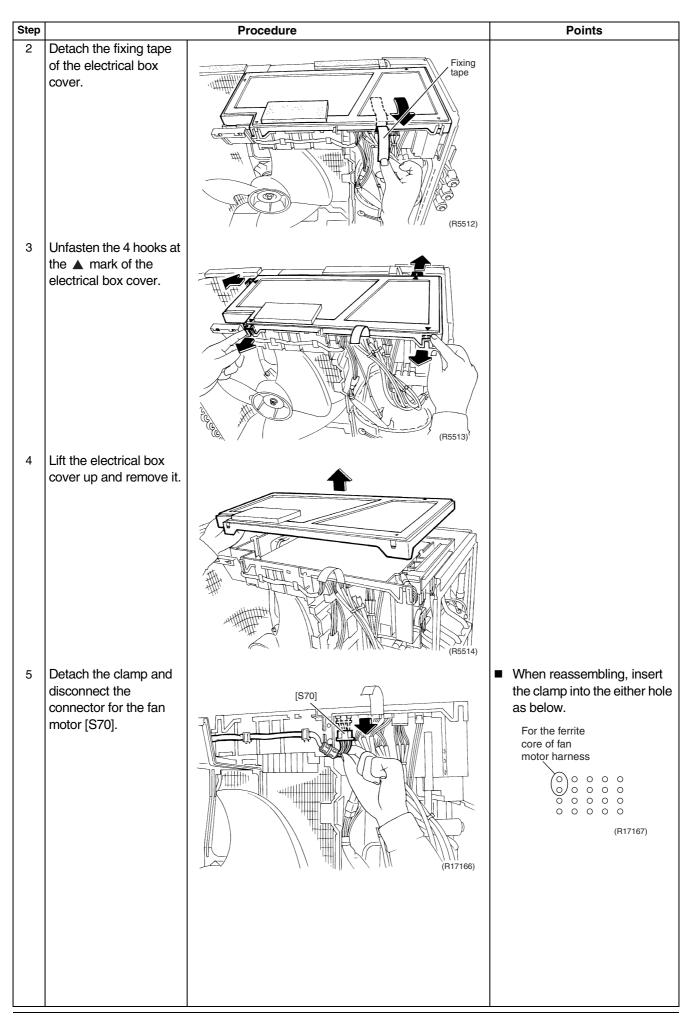
Step		Procedure	Points
9	Remove the 4 screws		
	of the discharge grille.	Image gril Image gril Image gril I	
10	Remove the 2 screws		
	of the stop valve cover.	Stop valve cover Characteristic contracteristic contracterist	
11	Slide the stop valve cover downward and remove it.		
			When reassembling, make sure to fit the 5 hooks.

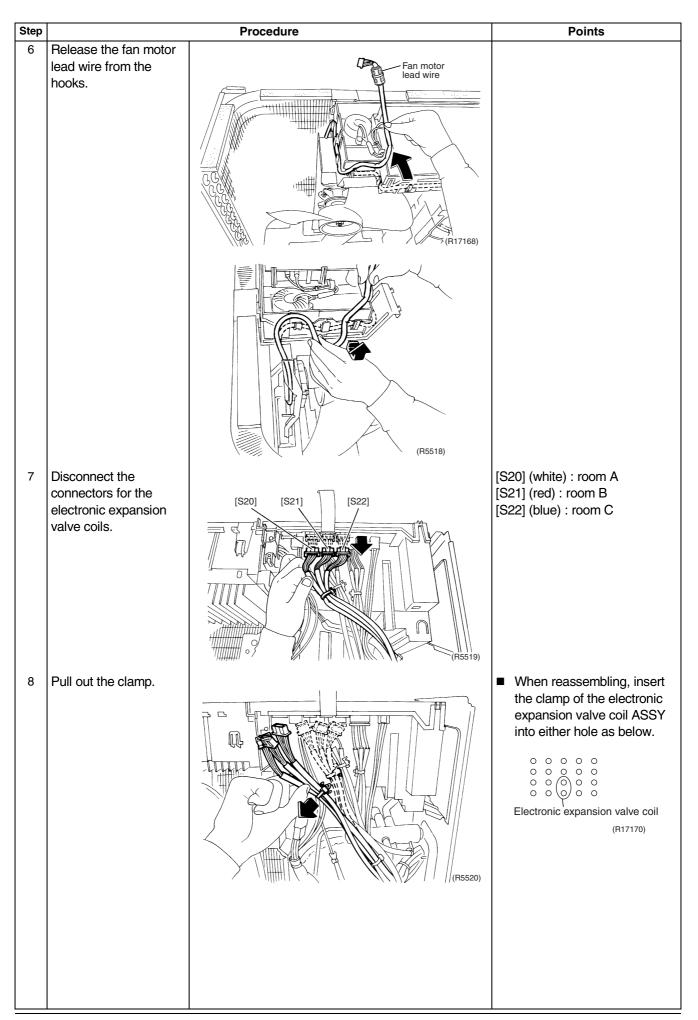
2. Removal of Electrical Box

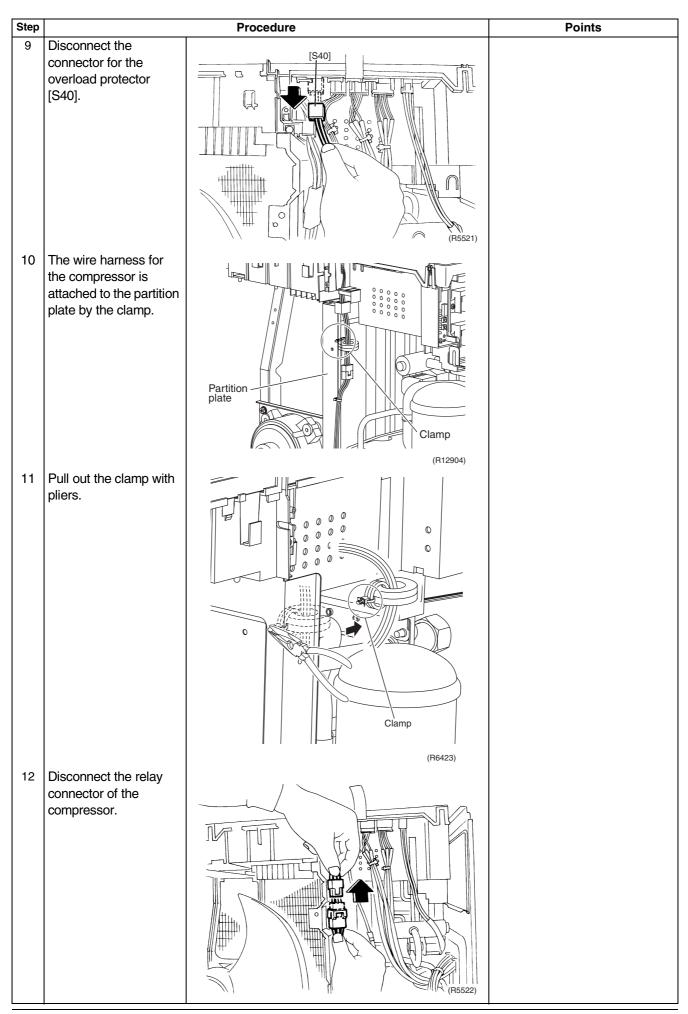


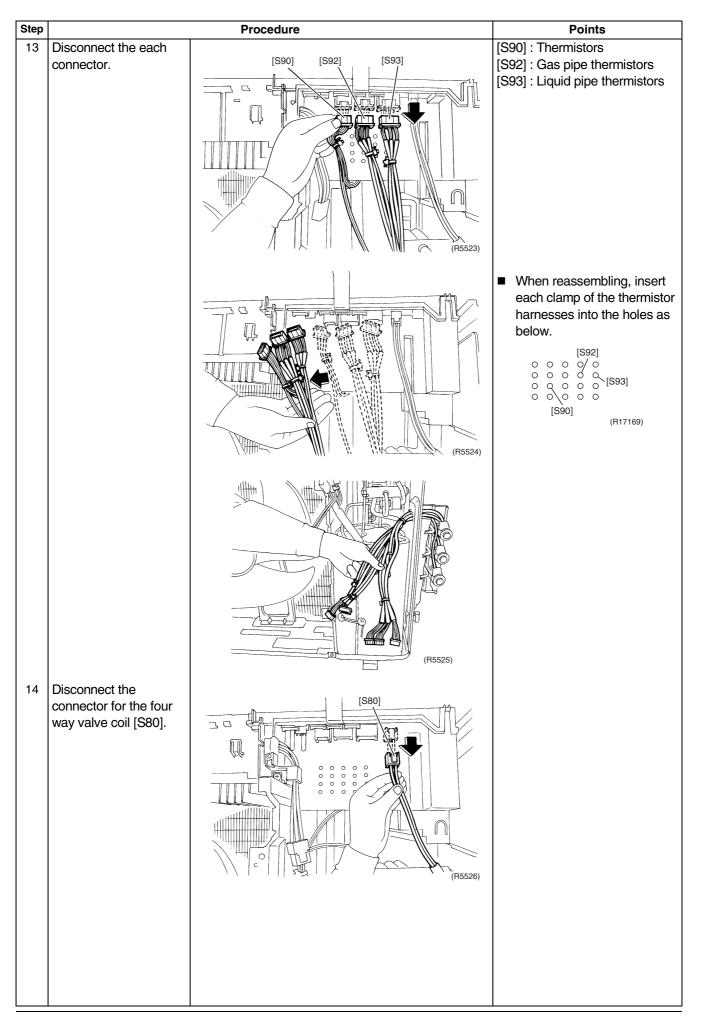
Warning Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

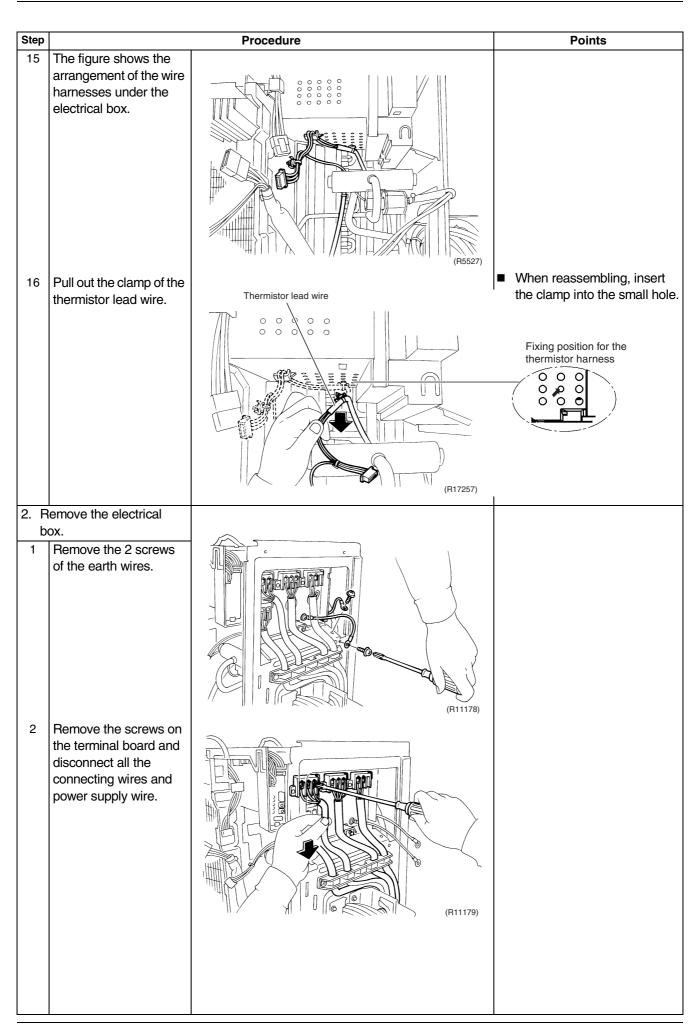


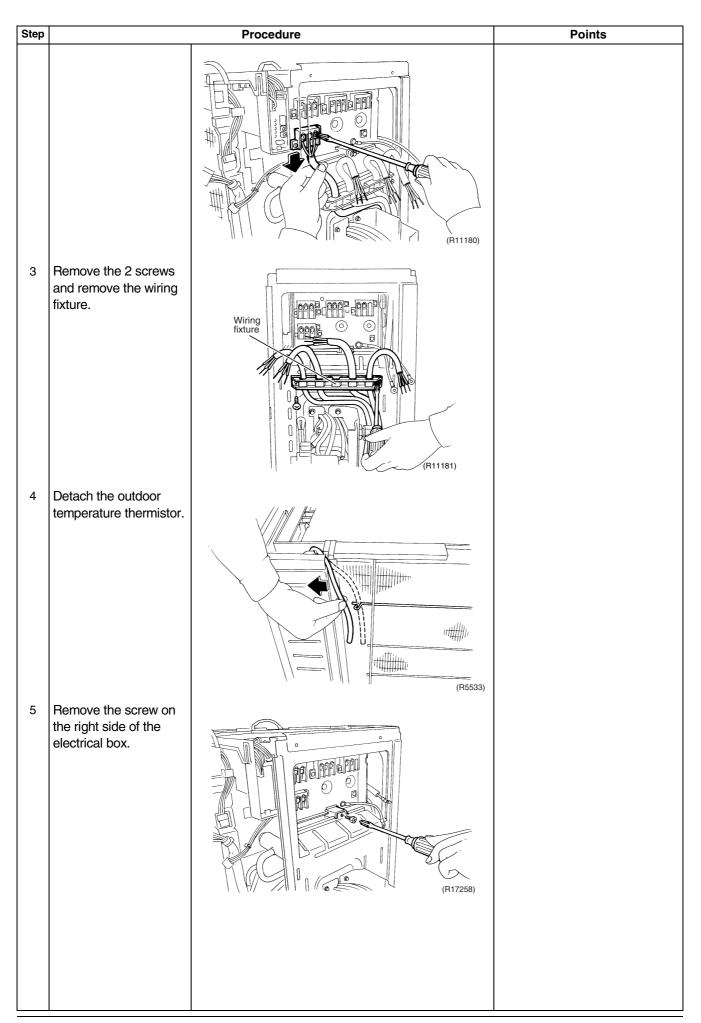


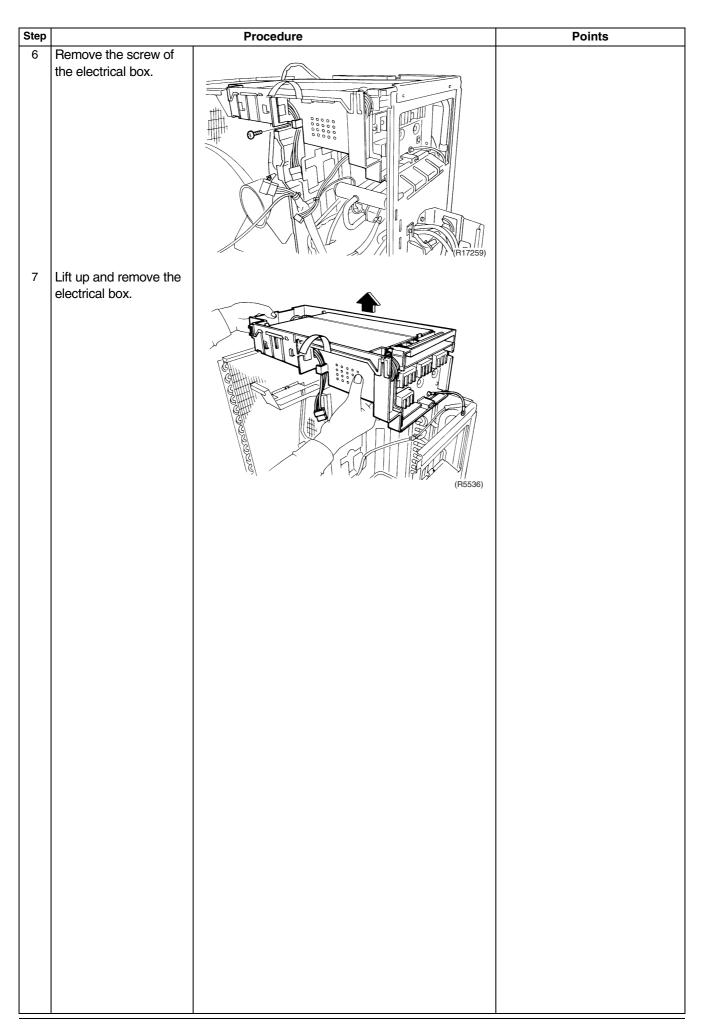








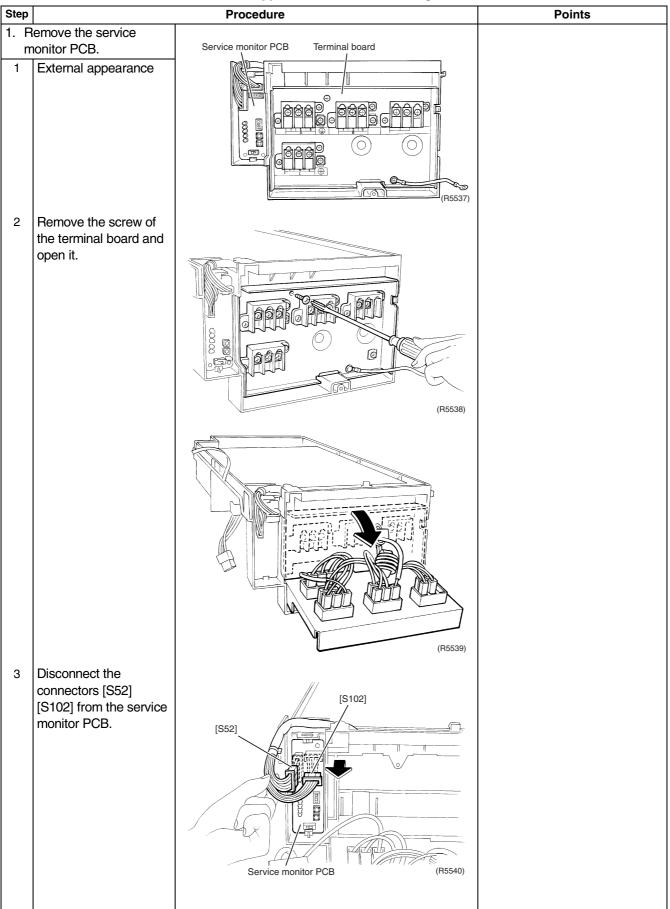


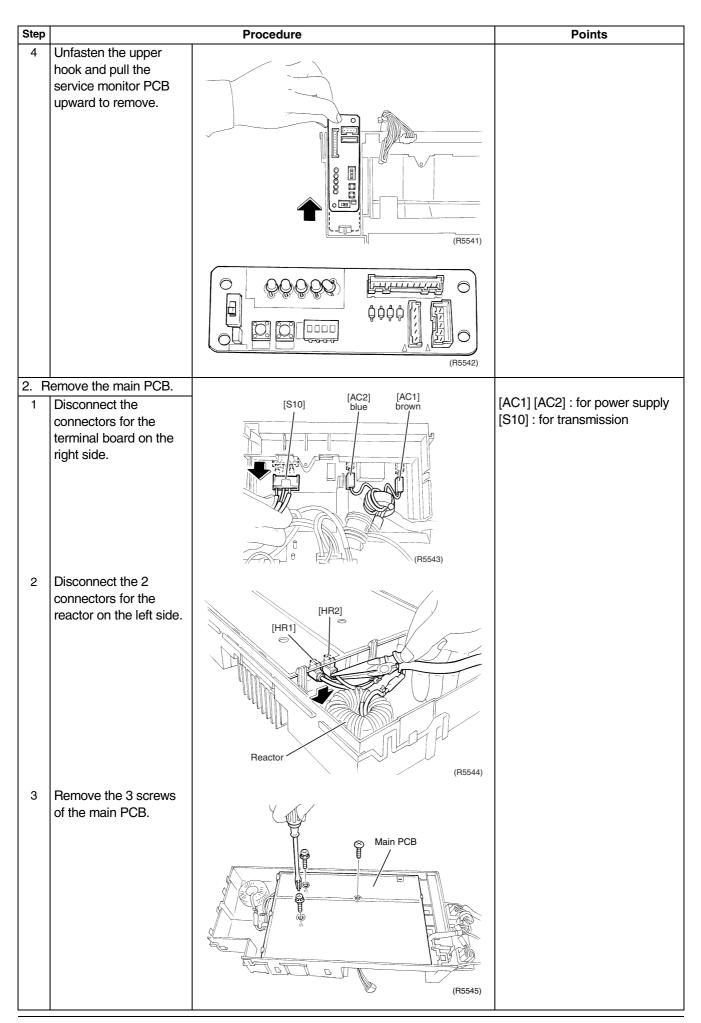


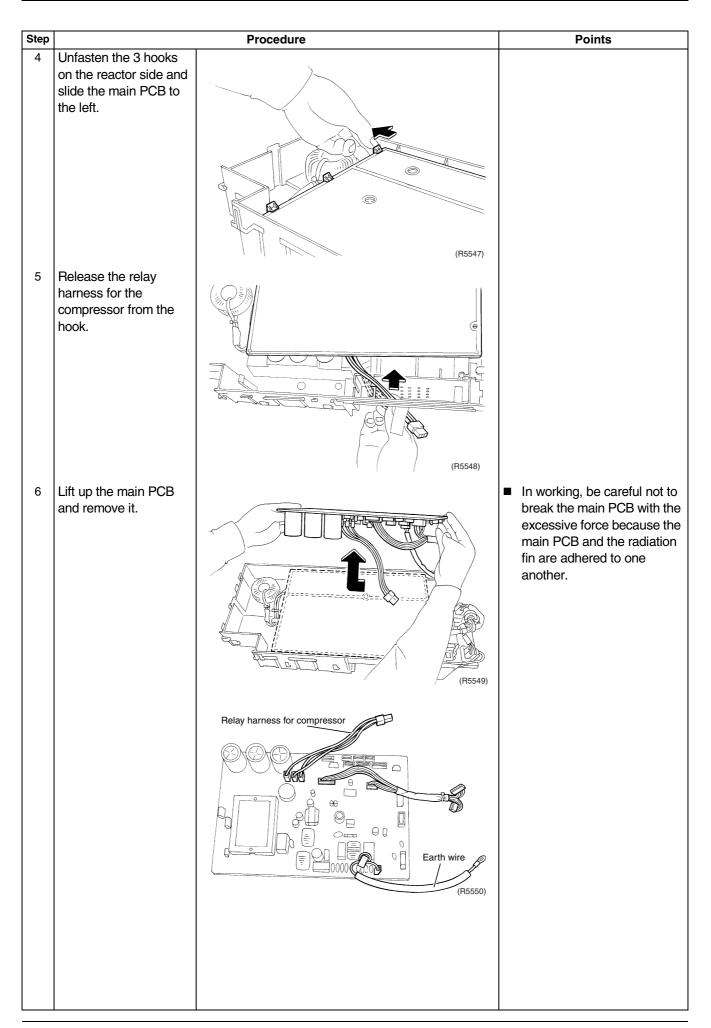
3. Removal of PCBs

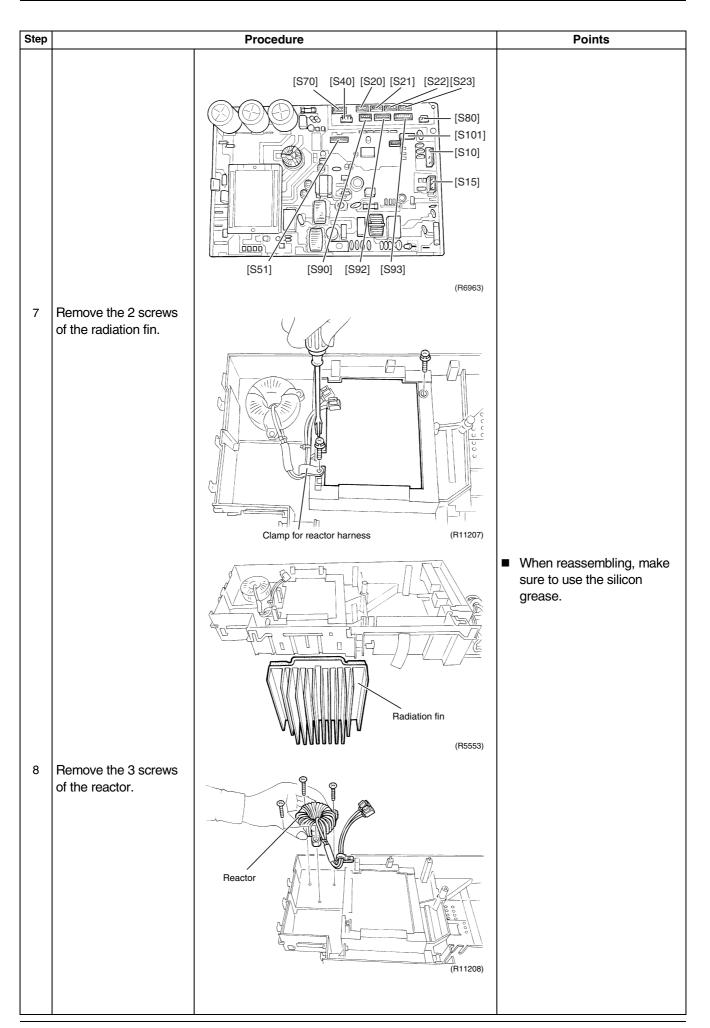


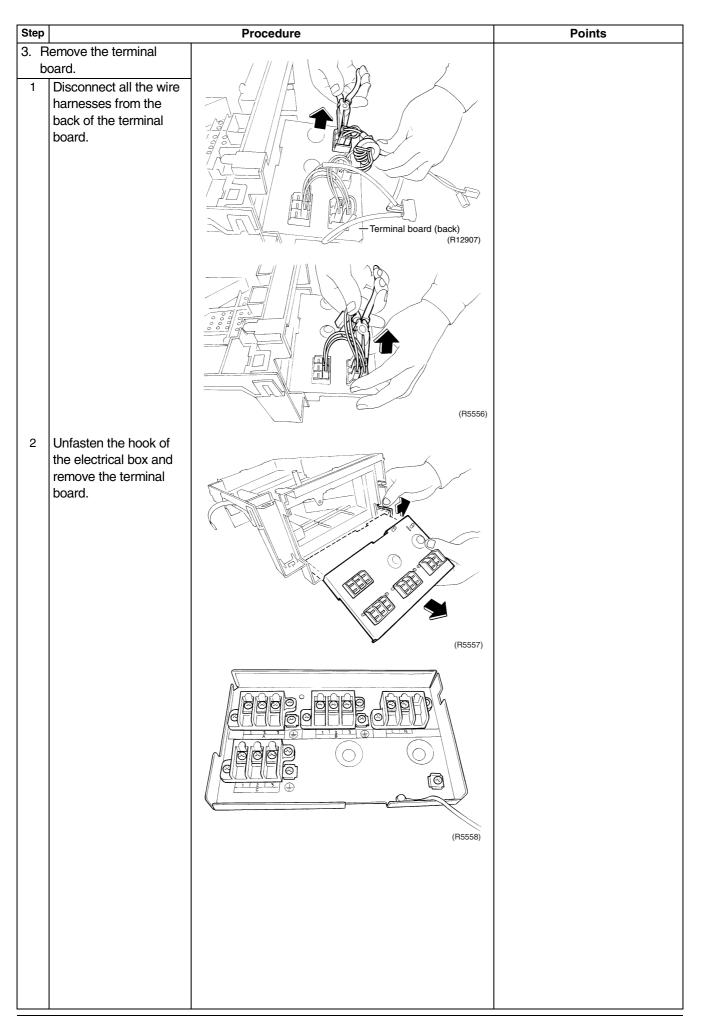
Warning Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



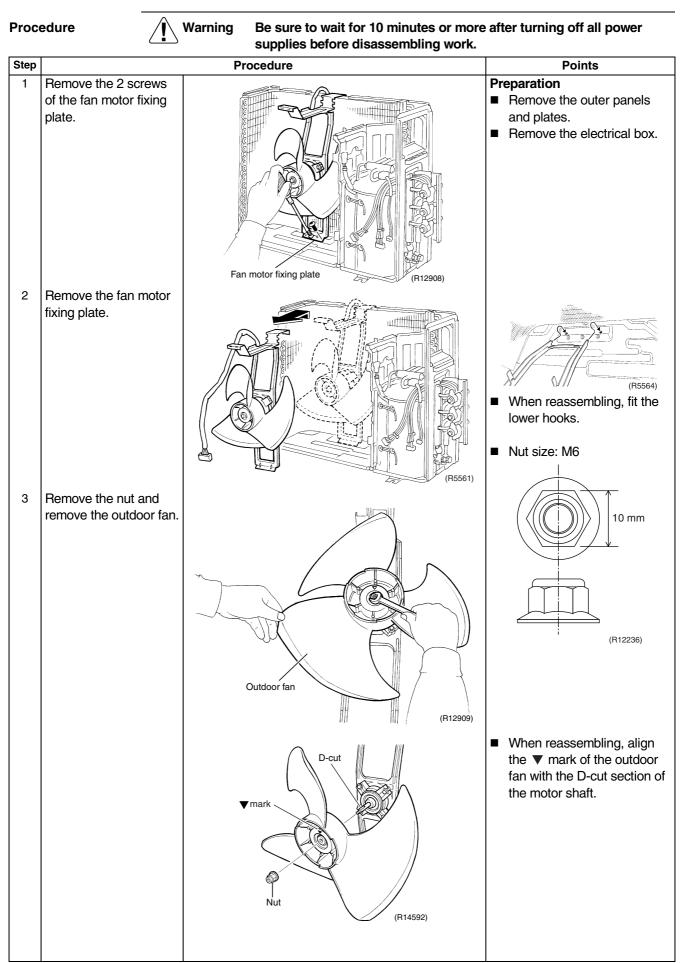


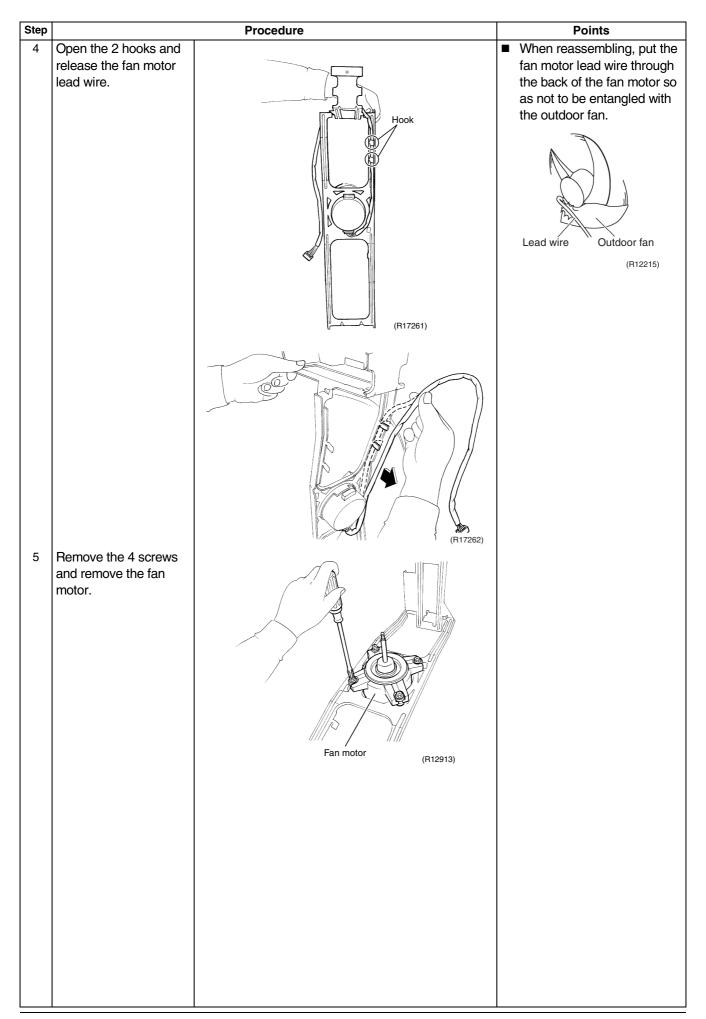




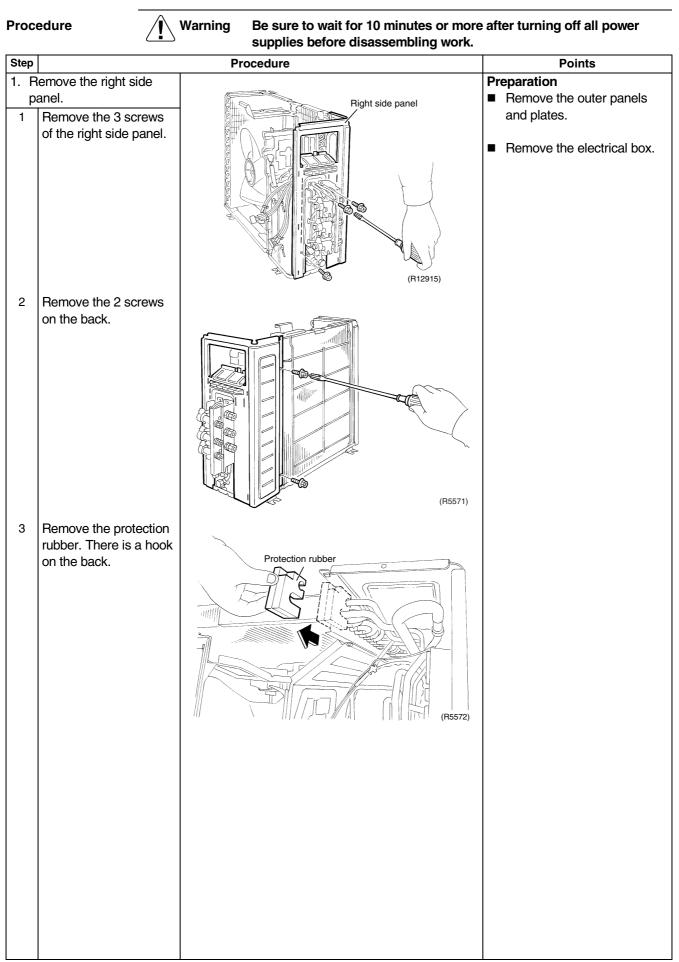


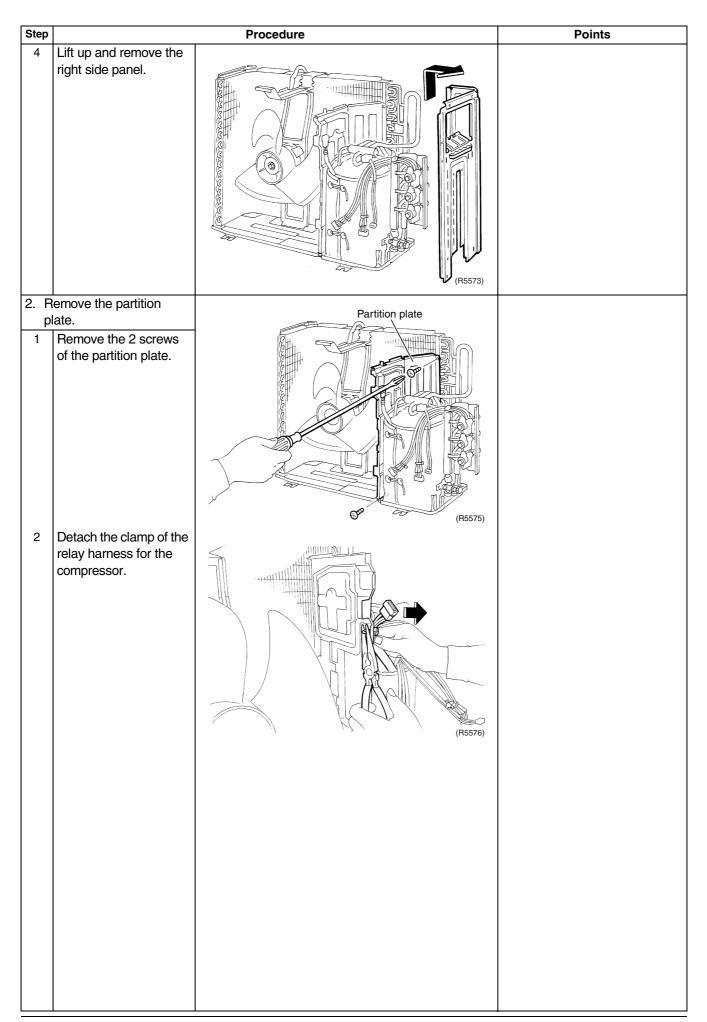
4. Removal of Outdoor Fan / Fan Motor

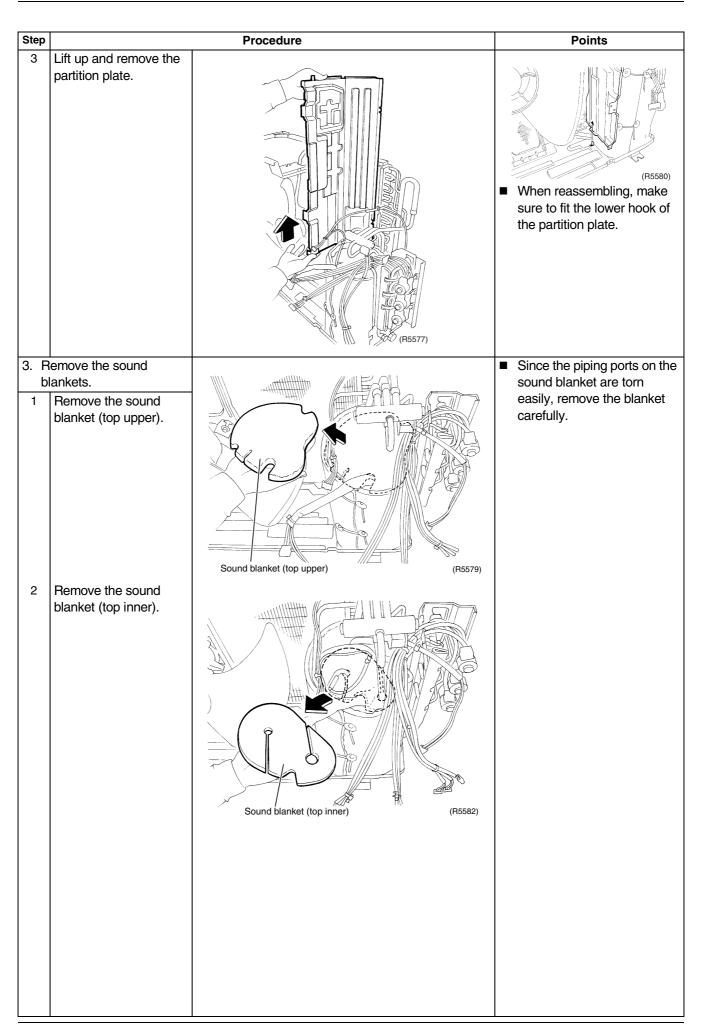


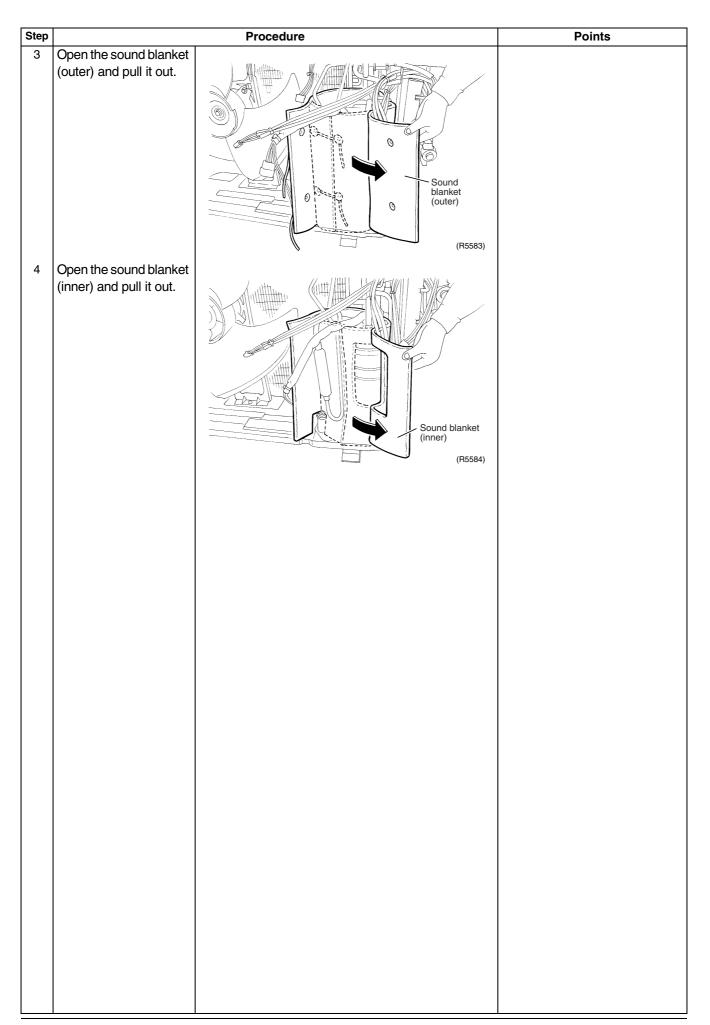


5. Removal of Sound Blankets

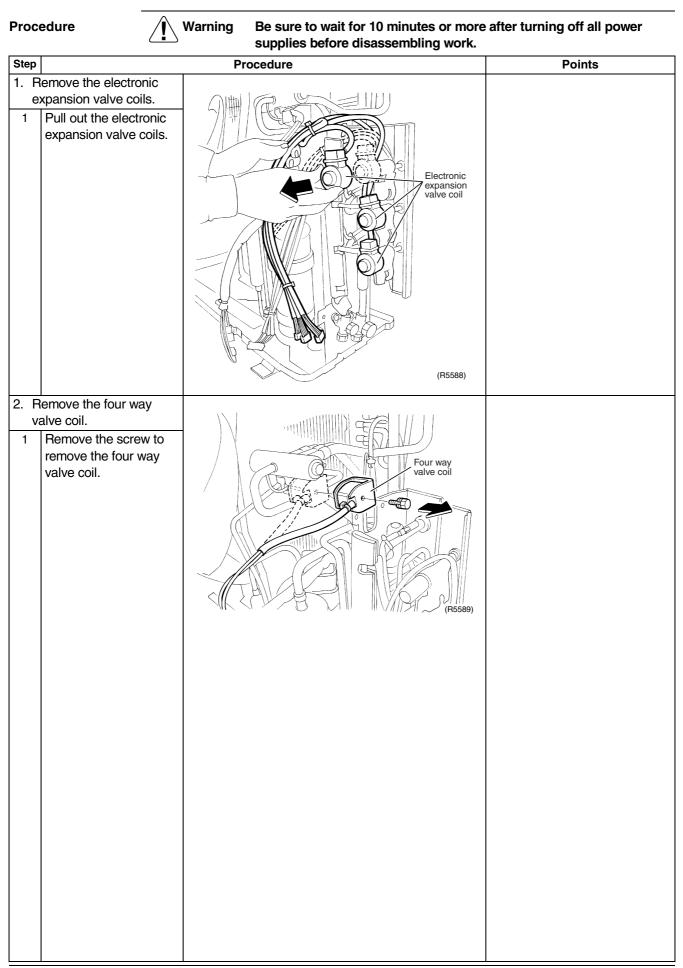


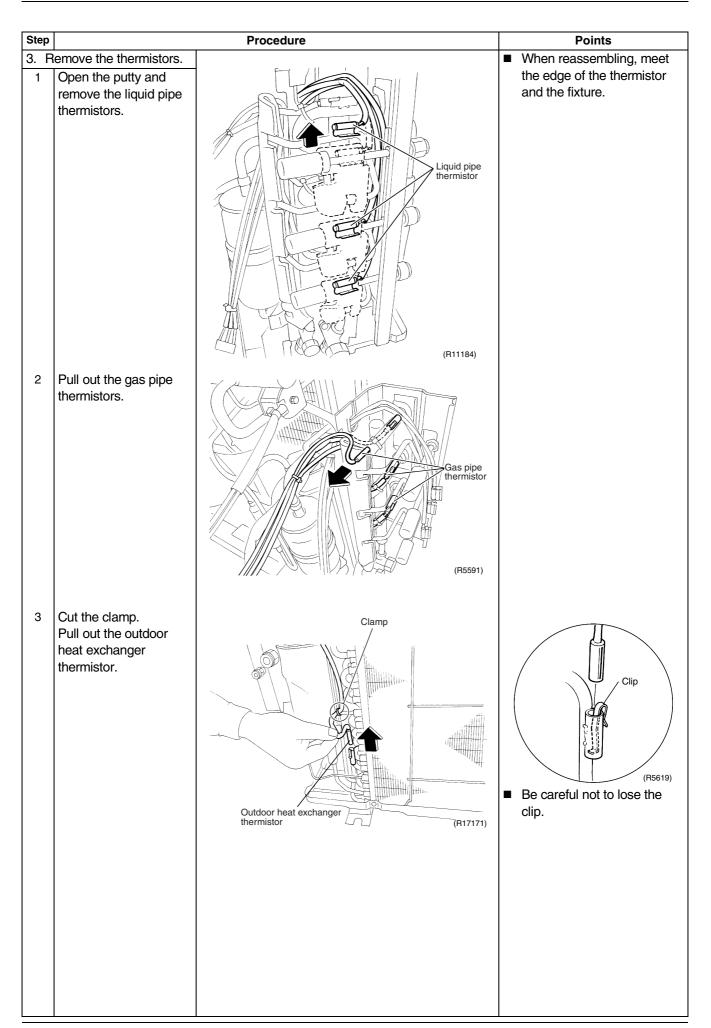


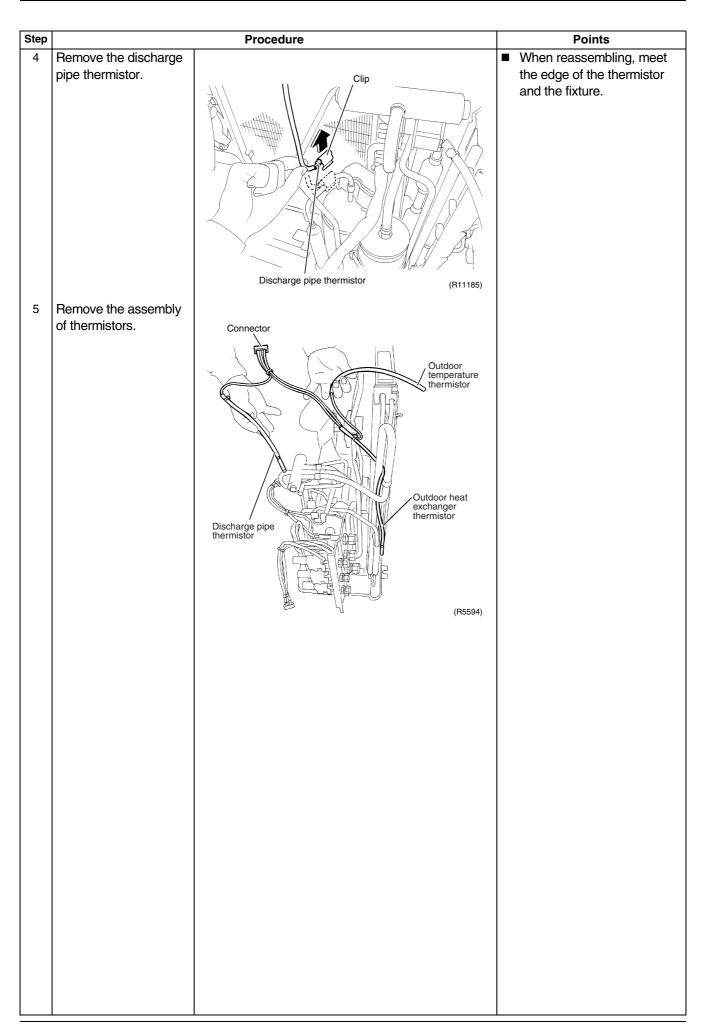




6. Removal of Coils / Thermistors



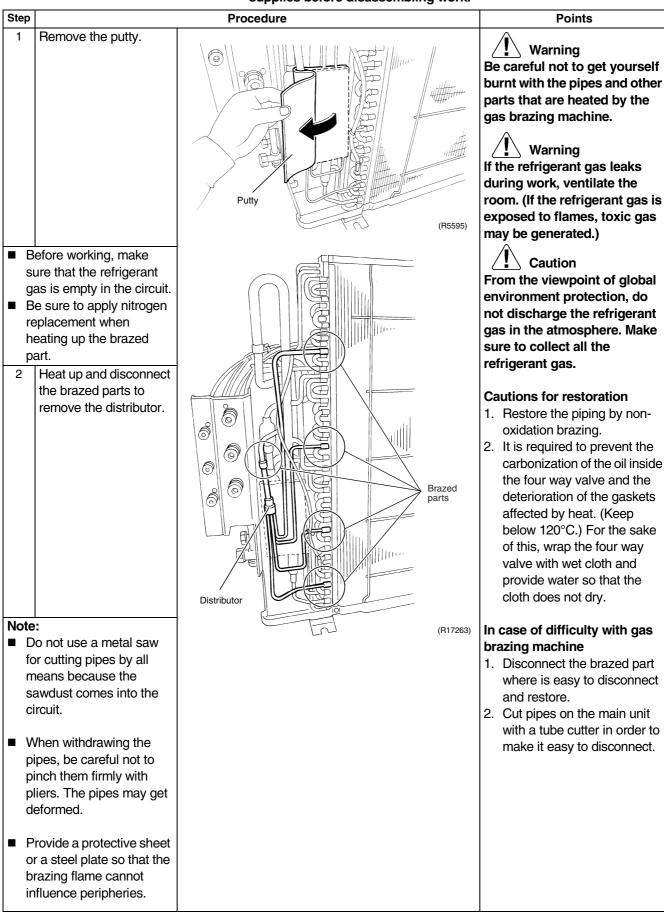




7. Removal of Distributor

Procedure

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



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.)

Points

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.

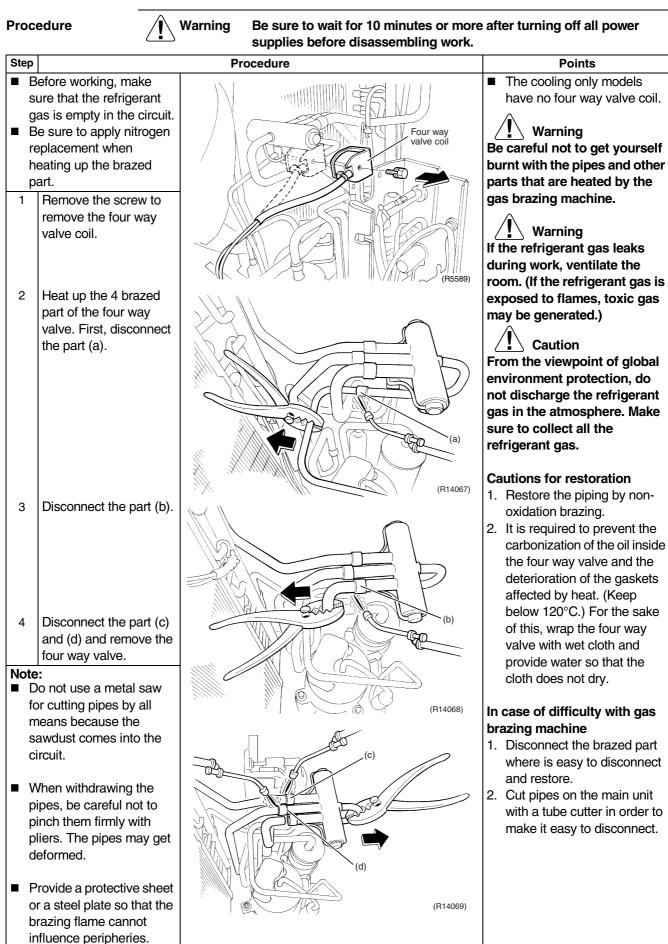
Cautions for restoration

- 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.

8. Removal of Four Way Valve



9. Removal of Compressor

Procedure Warning Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work. Step Procedure Points Remove the terminal 1 cover. Terminal cover utt (R12914) 2 Disconnect the compressor lead wires. V(yellow) U(red) (R5602) W(blue) 3 Detach the overload Overload protector protector. (R12916)

(R5604)

Step		Procedure	Points
4	Remove the putty. Remove the 2 nuts.		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.)
s g ■ B re h	efore working, make ure that the refrigerant as is empty in the circuit. Se sure to apply nitrogen eplacement when eating up the brazed art.	Putty	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
<u> </u>	Heat up the brazed part of the discharge side and disconnect the part (a). Heat up the brazed part of the suction side and	Nut (R17172)	environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
8	disconnect the part (b). Remove the compressor.		 Cautions for restoration Restore the piping by non- oxidation brazing. It is required to prevent the carbonization of the oil insid the four way valve and the
fc m sa ci	to not use a metal saw or cutting pipes by all neans because the awdust comes into the ircuit.	(R14070)	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.
p p p	Vhen withdrawing the ipes, be careful not to inch them firmly with liers. The pipes may get eformed.		In case of difficulty with gas brazing machine 1. Disconnect the brazed part where is easy to disconnect and rootere
o b	Provide a protective sheet r a steel plate so that the razing flame cannot ofluence peripheries.	Compressor (R12917)	and restore.2. Cut pipes on the main unit with a tube cutter in order t make it easy to disconnect
b te	e careful so as not to urn the compressor erminals, the name plate, ne heat exchanger fin.		

Revision History

Month / Year	Version	Revised contents
02 / 2013	Si12-993	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.

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