



4.2/5.0/6.0/7.1 kW Class

Outdoor Unit

Inverter / Hybrid

Pair Type



Service Manual Removal Procedure

Outdoor Unit

●Cooling On	ly	●Heat Pump	
RKS50FBVMA	RKS42GVLT	ARXS50E3V1B	RXS42GVLT
RKS60FBVMA	RKS50G2V1B	ARXS50G2V1B	RXS50G2V1B
RKS50FVM		RXS50FBV2C	
RKS60FVM	RKS50GVMG	DV0-10ED\/114	RYN50FV1A
RKS71FVM	RKS60GVMG RKS71GVMG	RXS50FBVMA RXS60FBVMA	RYN60FV1A
RKS50FVLT	KK3/ IGVIVIG	KASOUFDVIVIA	
RKS60FVLT		RXS71FMV2C	
RKS71FVLT			
DICOCOE)/MA		RXS50FVLT	
RKS50FVMA RKS60FVMA		RXS60FVLT RXS71FVLT	
KKOOOI VIVIA		ICAO7 II VLI	
		RXS50FVMA	
		RXS60FVMA	

Table of Contents

1.	Removal of Outer Panels	2
2.	Removal of Outdoor Fan / Fan Motor	5
3.	Removal of Electrical Box	8
4.	Removal of PCBs	12
5.	Removal of Sound Blankets / Thermistors	15
6.	Removal of Four Way Valve	17
	Removal of Electronic Expansion Valve	
8.	Removal of Compressor	19
	·	



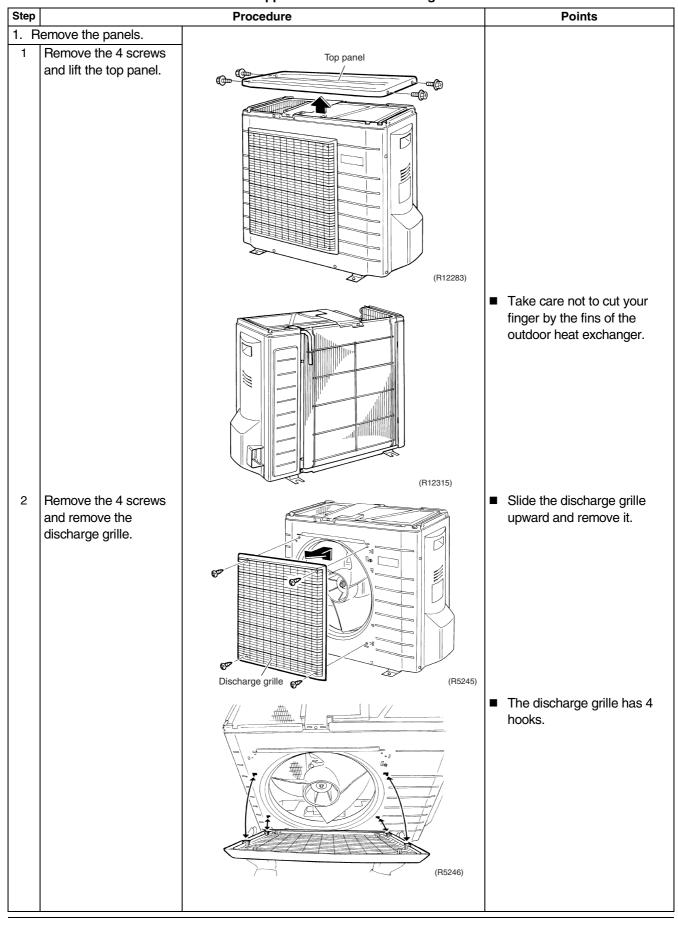
- $\bullet\,$ The illustrations may be slightly different depending on the model.
- The illustrations are for heat pump models as representative.

Removal of Outer Panels Si00-875

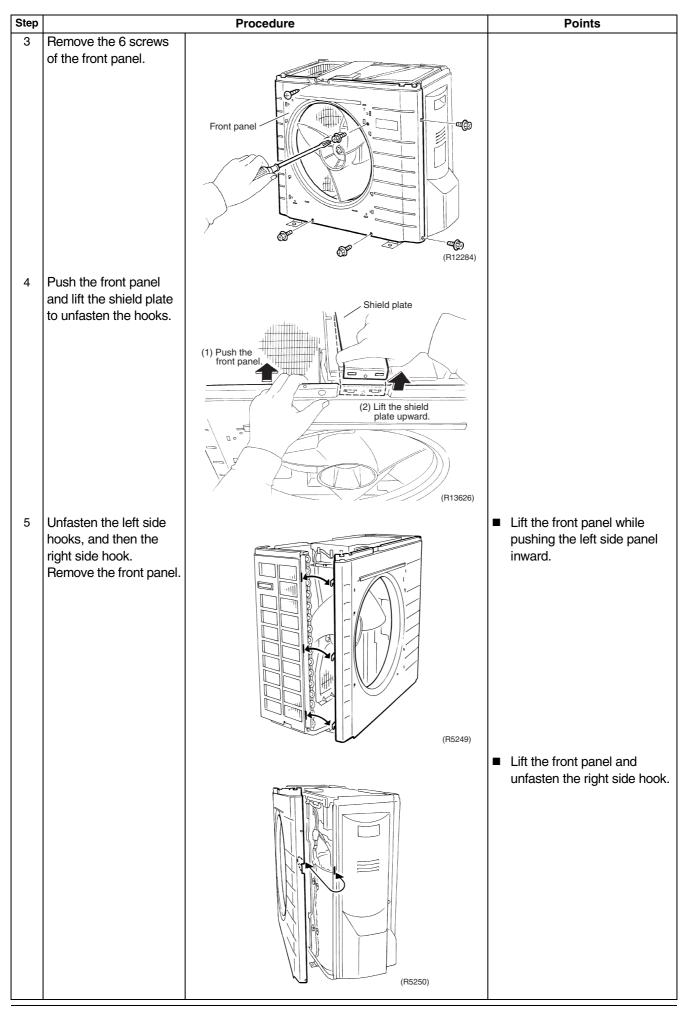
1. Removal of Outer Panels

Procedure

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

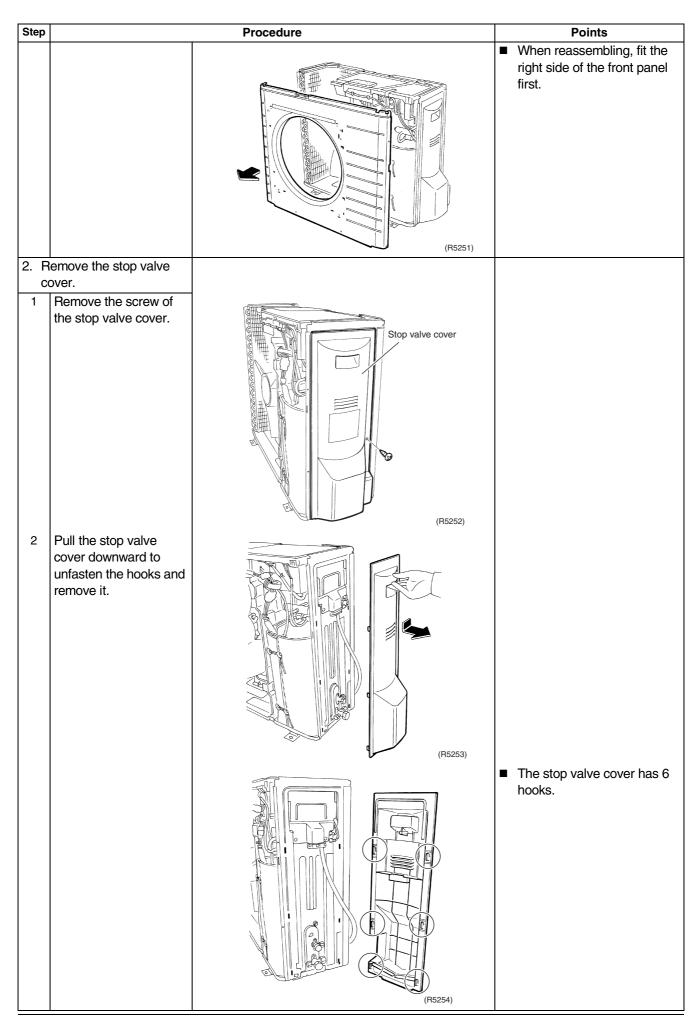


Removal of Outer Panels



Si00-875

Removal of Outer Panels Si00-875

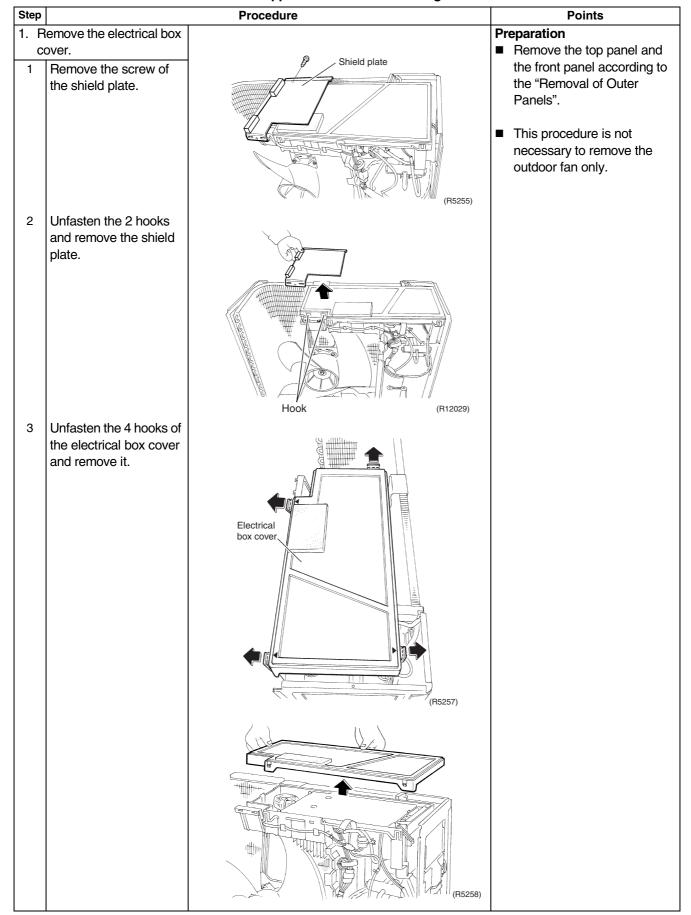


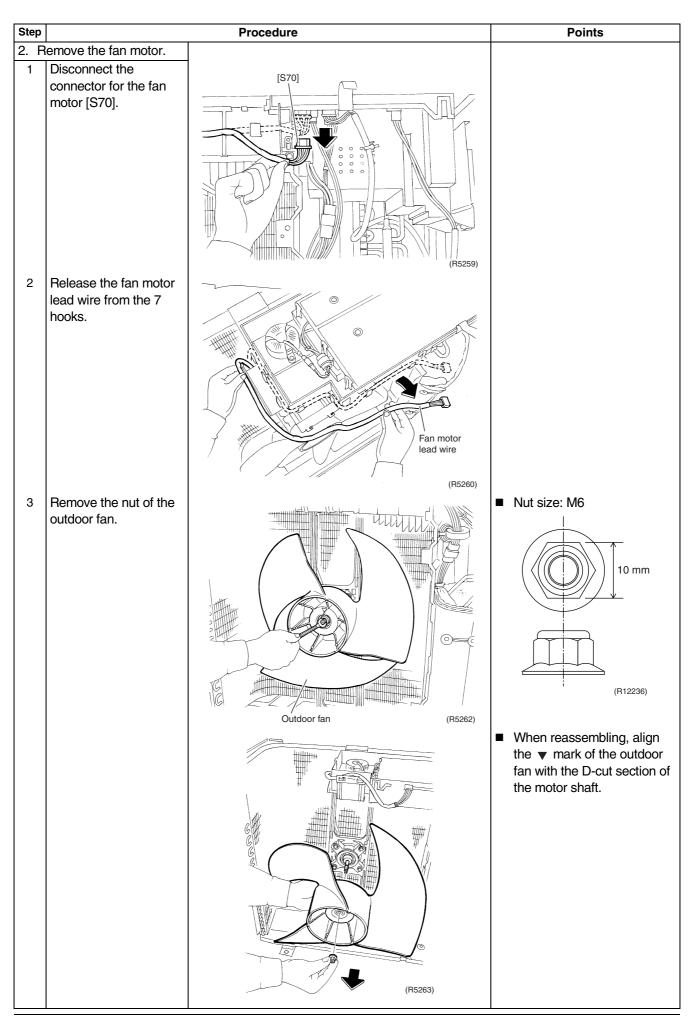
2. Removal of Outdoor Fan / Fan Motor

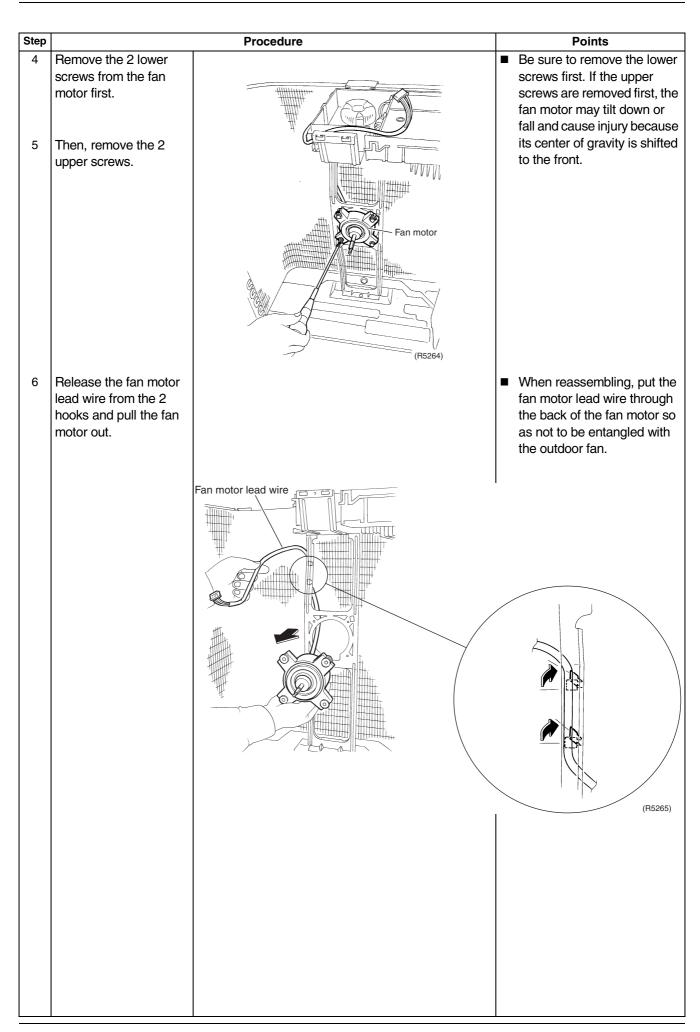
Procedure

Warning

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







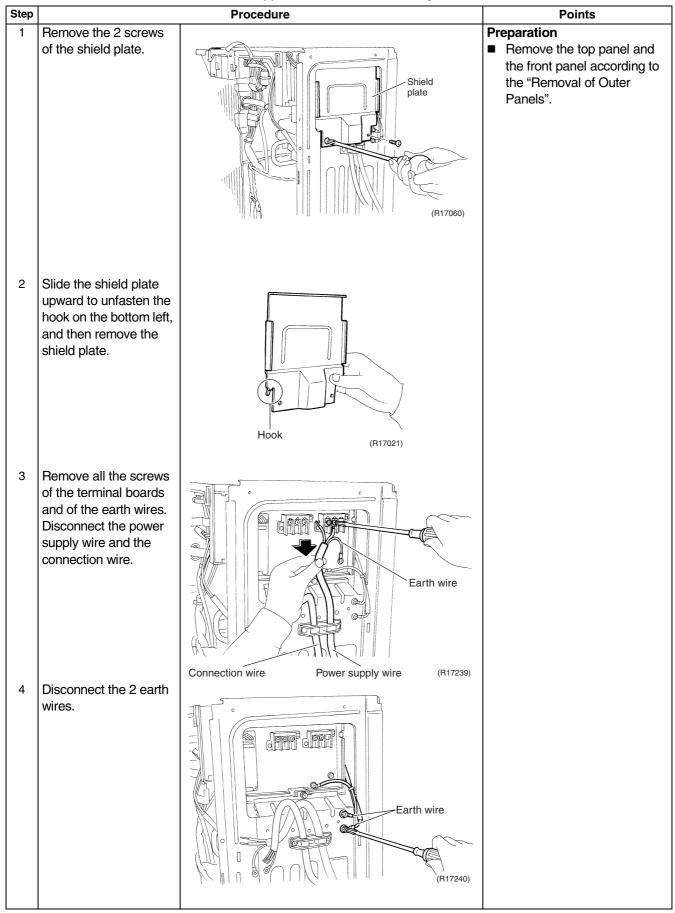
Removal of Electrical Box Si00-875

3. Removal of Electrical Box

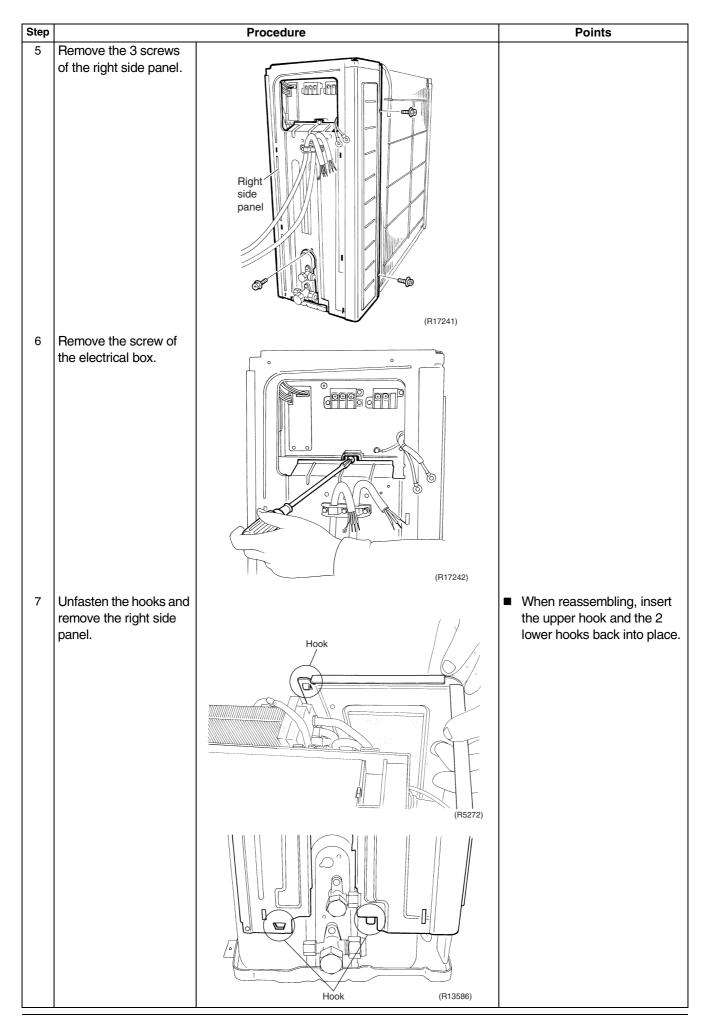
Procedure

/ Warning

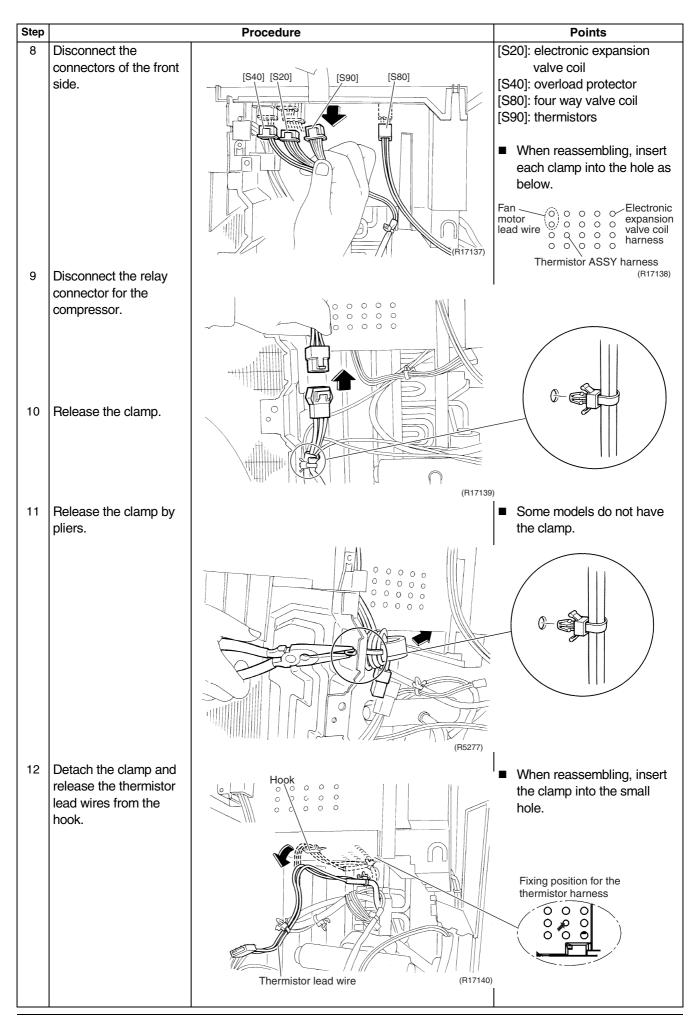
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

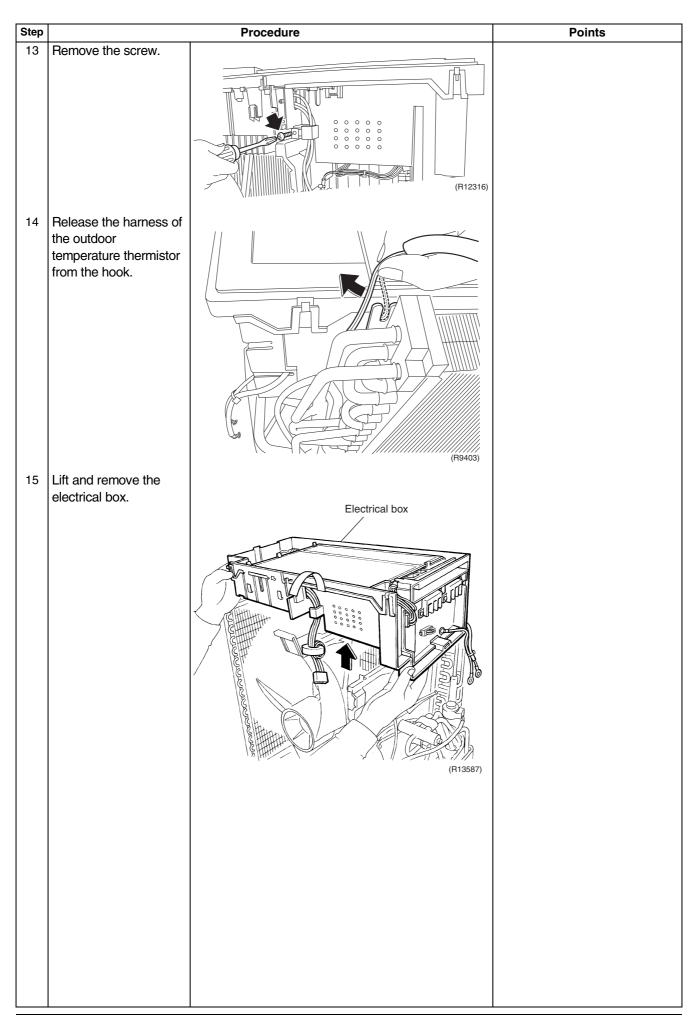


Si00-875 Removal of Electrical Box



Removal of Electrical Box Si00-875





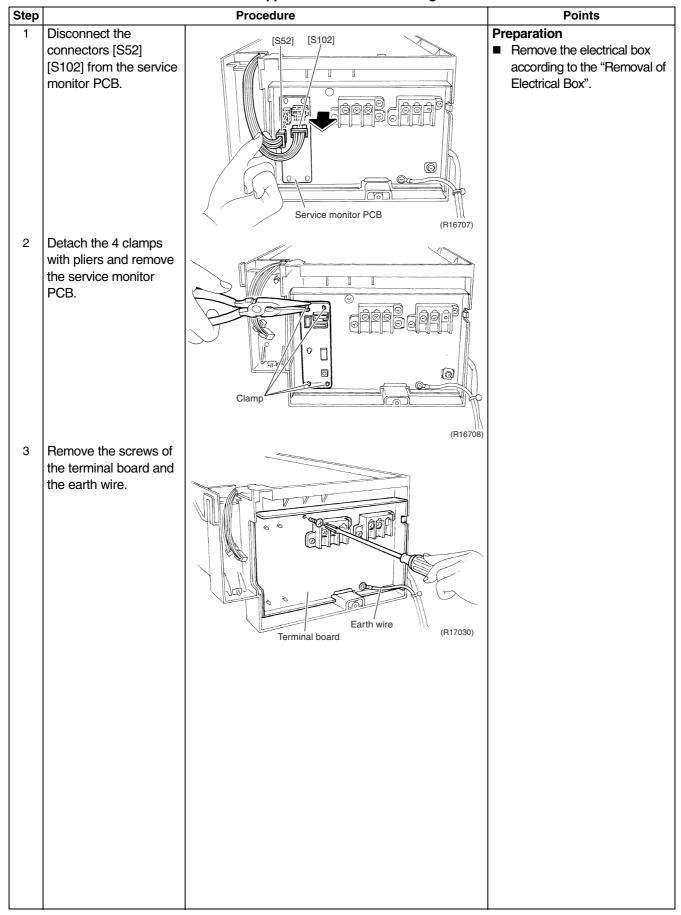
Removal of PCBs Si00-875

4. Removal of PCBs

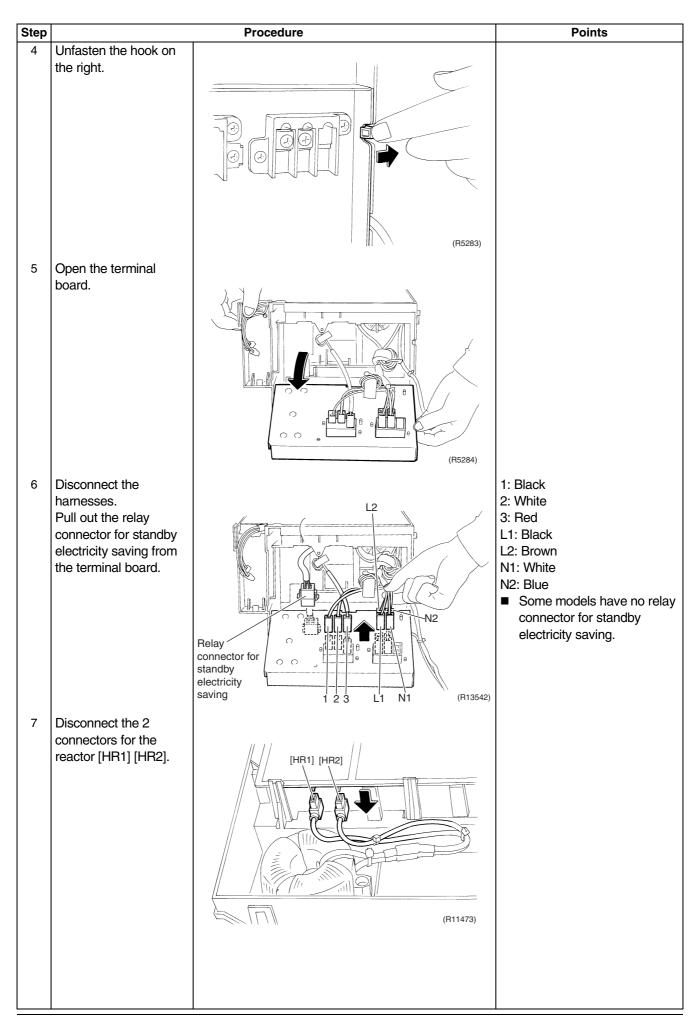
Procedure

/ Warning

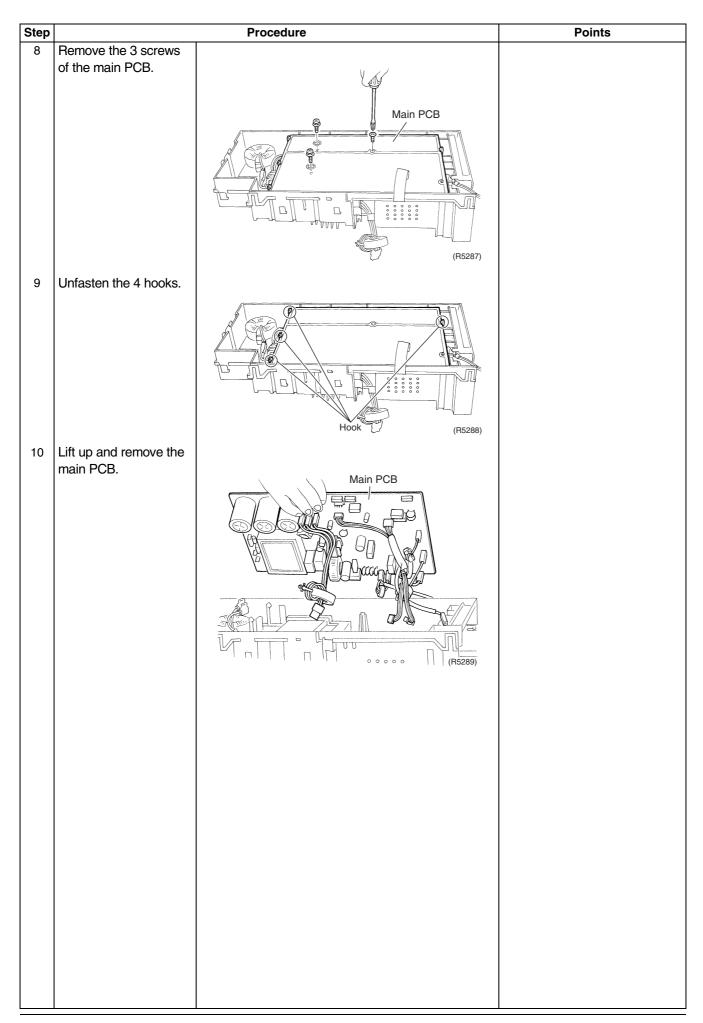
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



Si00-875 Removal of PCBs



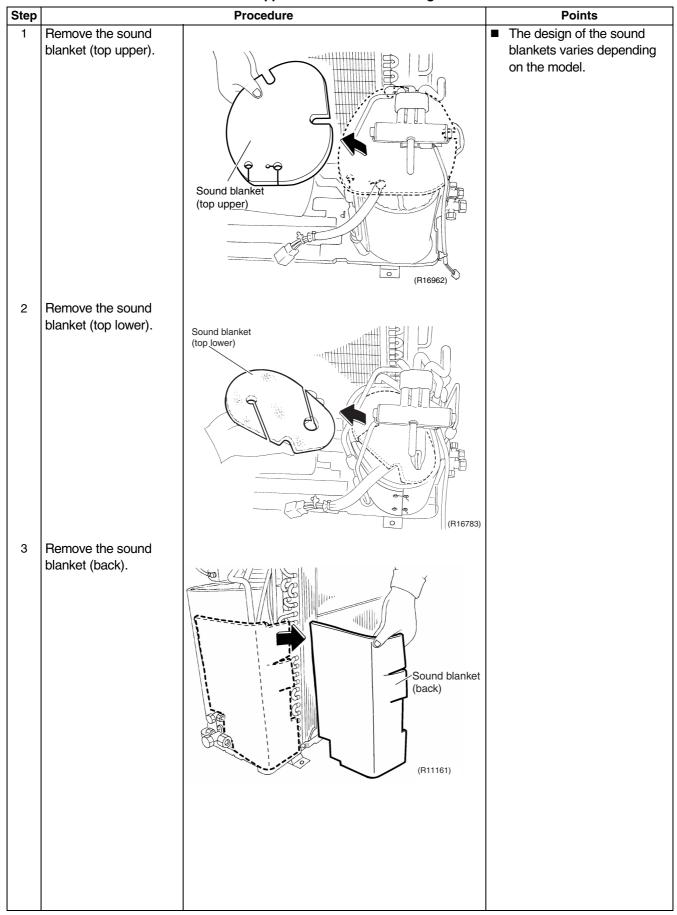
Removal of PCBs Si00-875

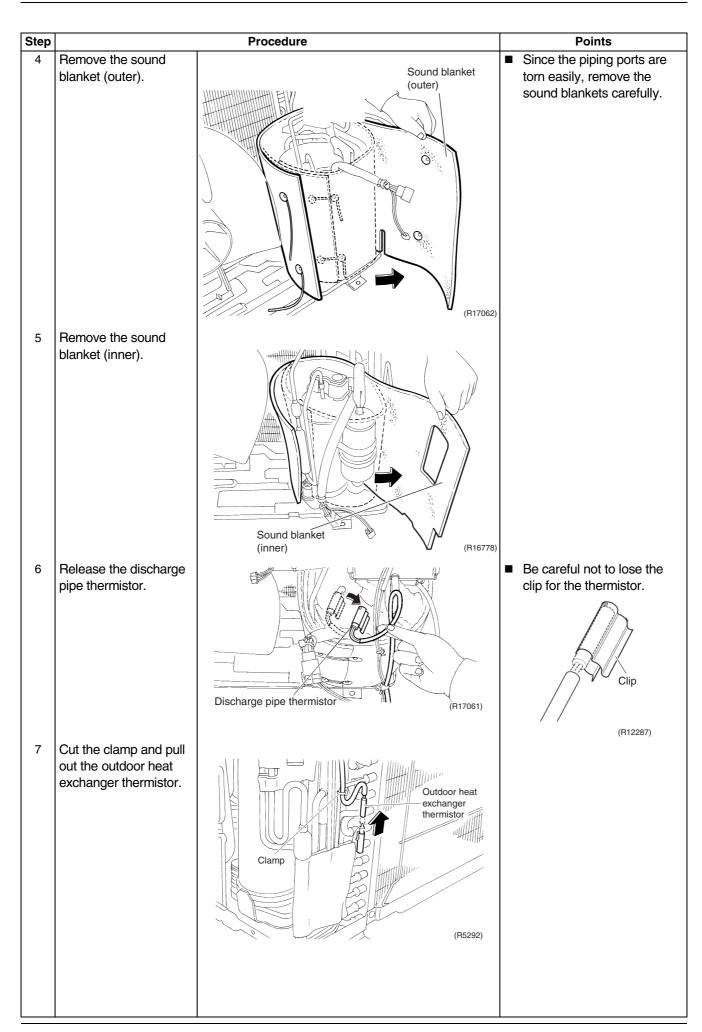


5. Removal of Sound Blankets / Thermistors

Procedure

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





6. Removal of Four Way Valve

Procedure

Warning

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

Procedure Step **Points** Remove the screw and ■ Some models do not have a remove the four way four way valve coil. valve coil. Four way valve Warning Four way Be careful not to get yourself valve coil 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 (B5297) may be generated.) Caution From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make ■ Before working, make sure to collect all the sure that the refrigerant refrigerant gas. gas is empty in the circuit. ■ Be sure to apply nitrogen **Cautions for restoration** replacement when 1. Restore the piping by nonheating up the brazed oxidation brazing. part. 2. It is required to prevent the Heat up the brazed part carbonization of the oil inside of the four way valve the four way valve and the and disconnect. 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 3 Heat up every brazed provide water so that the part in turn and cloth does not dry. disconnect. Note: Never use a metal saw to cut pipes because the sawdust may enter 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.

7. Removal of Electronic Expansion Valve

Procedure

Warning

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

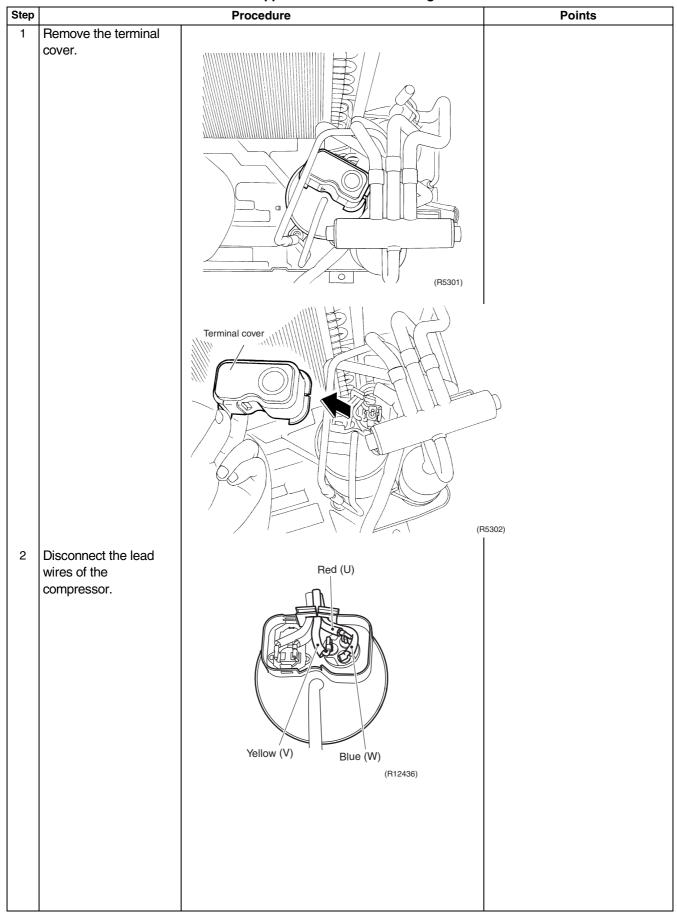
Step		Procedure	Points
1	Pull out the electronic		
	expansion valve coil.	Electronic expansion valve coil	
2	Remove the sheets of		
	putty.		
		(R11398)	Warning
	efore working, make		Be careful not to get yourself burnt with the pipes and other
	ure that the refrigerant as is empty in the circuit.	Electronic expansion valve	parts that are heated by the
■ B	e sure to apply nitrogen		gas brazing machine.
	eplacement when eating up the brazed		Warning
	art.		If the refrigerant gas leaks during work, ventilate the
3	Heat up the 2 brazed parts of the electronic expansion valve and remove it.	(R2739)	room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.) 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.

8. Removal of Compressor

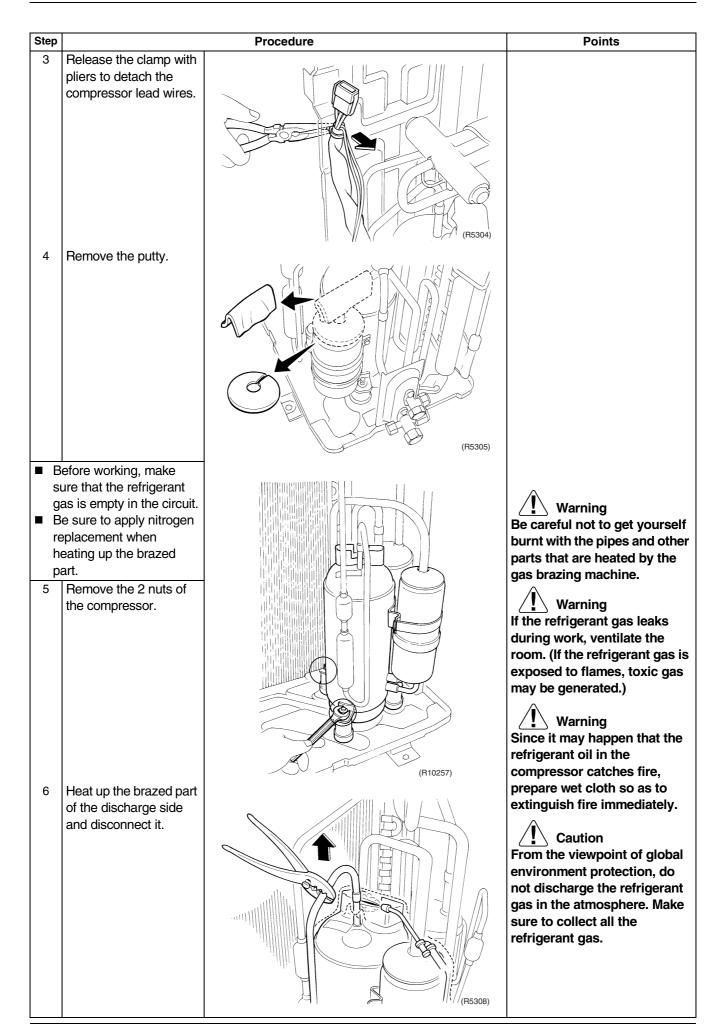
Procedure

Warning

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



Removal of Compressor Si00-875



of di	Heat up the brazed part of the suction side and disconnect it. Lift the compressor up and remove it.	Cautions for restoration 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 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. Note: Note:
a	and remove it.	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. Note: Note:
		pipes because the sawdust may enter 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.

Revision History

Month / Year	Version	Revised contents
06 / 2013	Si00-875	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

DAIKIN INDUSTRIES, LTD.

Head Office:

Umeda Center Bldg., 2-4-12, Nakazaki-Nishi, Kita-ku, Osaka, 530-8323 Japan

Tokyo Office:

JR Shinagawa East Bldg., 2-18-1, Konan, Minato-ku, Tokyo, 108-0075 Japan

http://www.daikin.com/global_ac/

© All rights reserved