

Si001164



4.6/5.0/6.0 kW Class 18000 Btu/h Class



Outdoor Unit



Pair Type



Service Manual Removal Procedure

Outdoor Unit

Applicable Models

●Cooling Only RKS18HV2S RKS50KVMA RKS60KVMA

RKS50KAVMA RKS60KAVMA •Heat Pump RXG50K2V1B

RXS50KVM RXS60KVM

RXS46KVMA RXS50KVMA RXS60KVMA

RXS50KAVMA RXS60KAVMA

Table of Contents

5
8
12
15
17
18
19
•



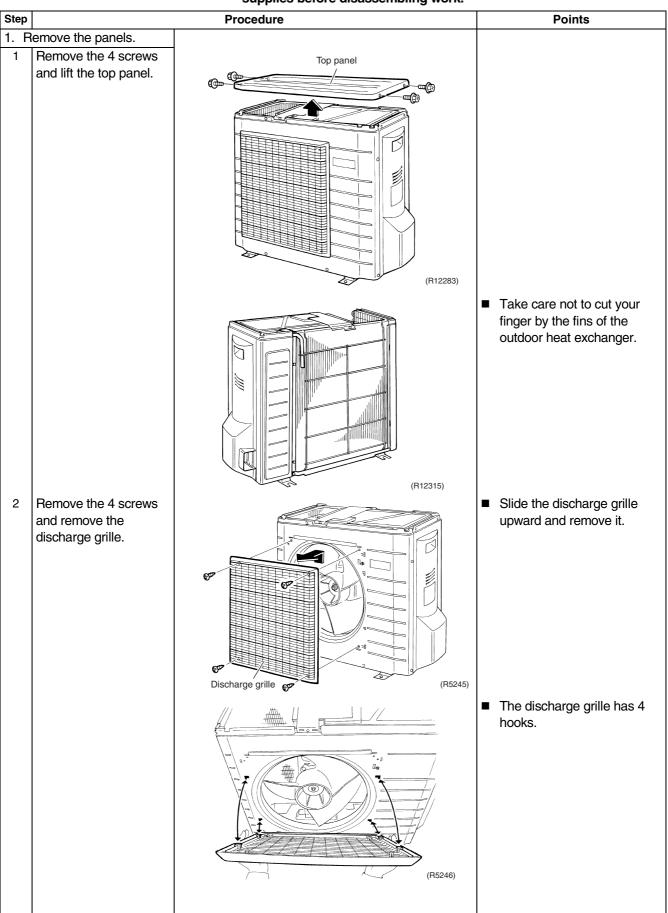
- The illustrations may be slightly different depending on the model.The illustrations are for heat pump models as representative.

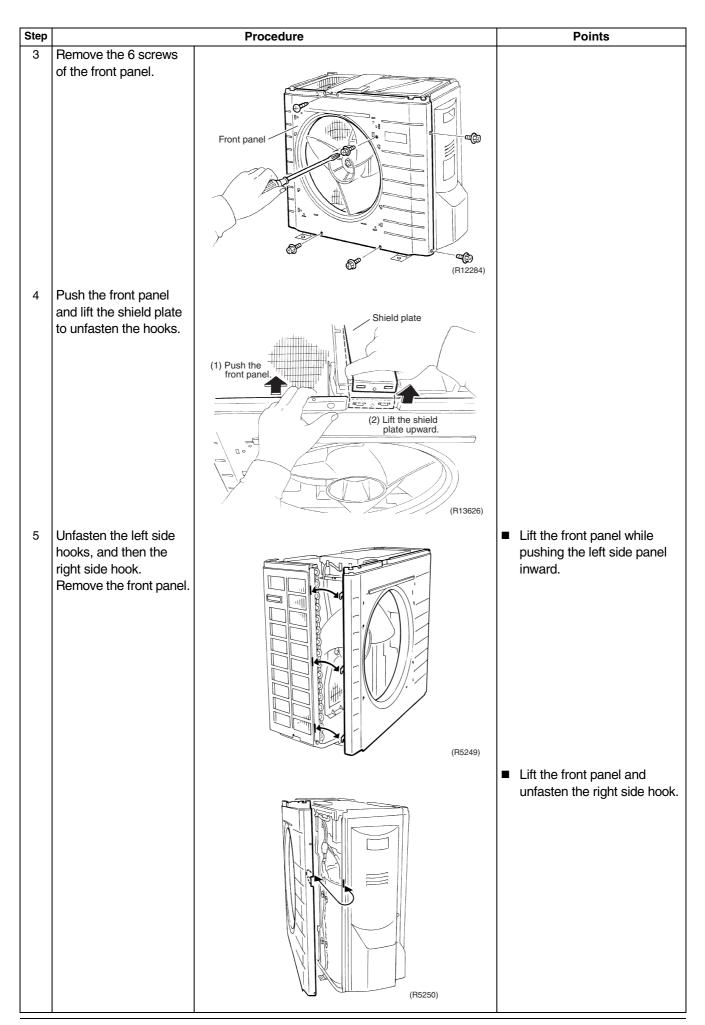
1. Removal of Outer Panels

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Procedure

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





Step		Procedure	Points
		(F251)	When reassembling, fit the right side of the front panel first.
	emove the stop valve		
1	Remove the screw of the stop valve cover.	(FS252)	
2	Pull the stop valve cover downward to unfasten the hooks and remove it.		 The stop valve cover has 6 hooks.
		(R5254)	

2. Removal of Outdoor Fan / Fan Motor

Proc	edure	Warning Be sure to wait for 10 minutes or mor supplies before disassembling work.	e after turning off all power
Step		Procedure	Points
C	emove the electrical box over.	Shield plate	PreparationRemove the top panel and
1	Remove the screw of the shield plate.	(R525)	 the front panel according to the "Removal of Outer Panels". This procedure is not necessary to remove the outdoor fan only.
2	Unfasten the 2 hooks and remove the shield plate.	Hook (R12029)	
3	Unfasten the 4 hooks of the electrical box cover and remove it.	Electrical box cover	

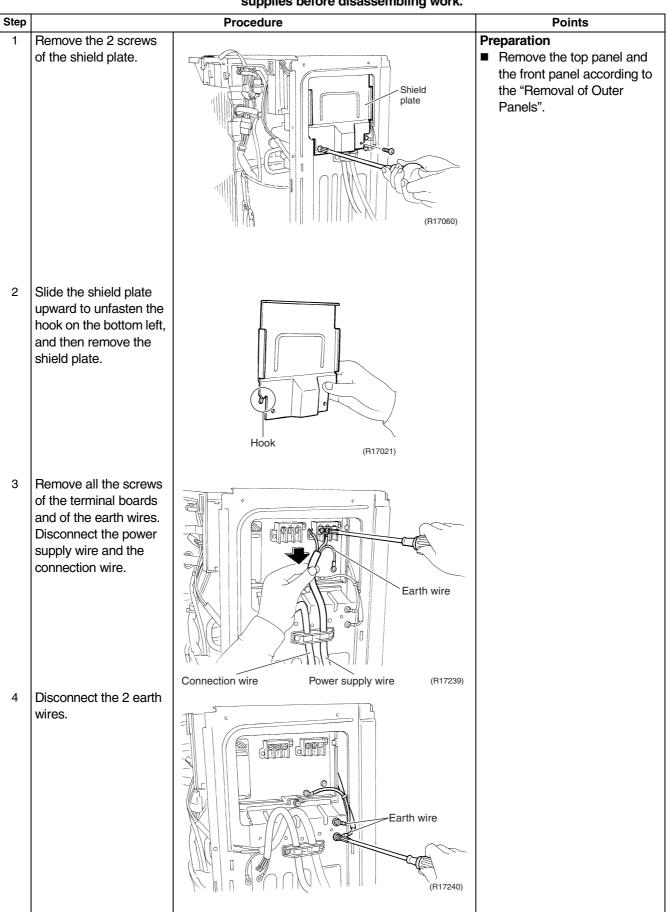
Step		Procedure	Points
2. F	emove the fan motor.		
1	Disconnect the connector for the fan motor [S70].	[570] 	
2	Release the fan motor lead wire from the 7 hooks.	Tan motor lead wire	
3	Remove the nut of the outdoor fan.	(FS260)	 Nut size: M6 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

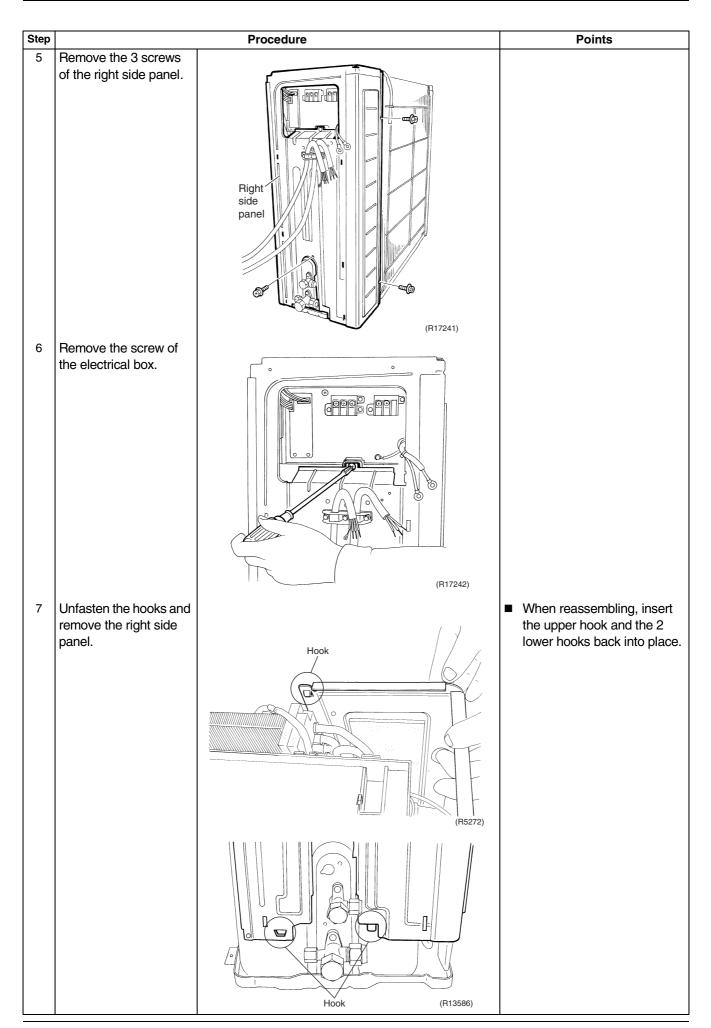
Remove the 2 lower			Be sure to remove the lower
screws from the fan motor first.			screws first. If the upper screws are removed first, the fan motor may tilt down or fall and cause injury because
Then, remove the 2 upper screws.	Fan motor (R5264)		its center of gravity is shifted to the front.
Release the fan motor lead wire from the 2 hooks and pull the fan motor out.		-	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.
	Fan motor lead wire		
			(R5265)
	Then, remove the 2 upper screws. Release the fan motor lead wire from the 2 hooks and pull the fan	Then, remove the 2 upper screws. Release the fan motor lead wire from the 2 hooks and pull the fan motor out.	Then, remove the 2 upper screws. Release the fan motor lead wire from the 2 hooks and pull the fan motor out.

3. Removal of Electrical Box

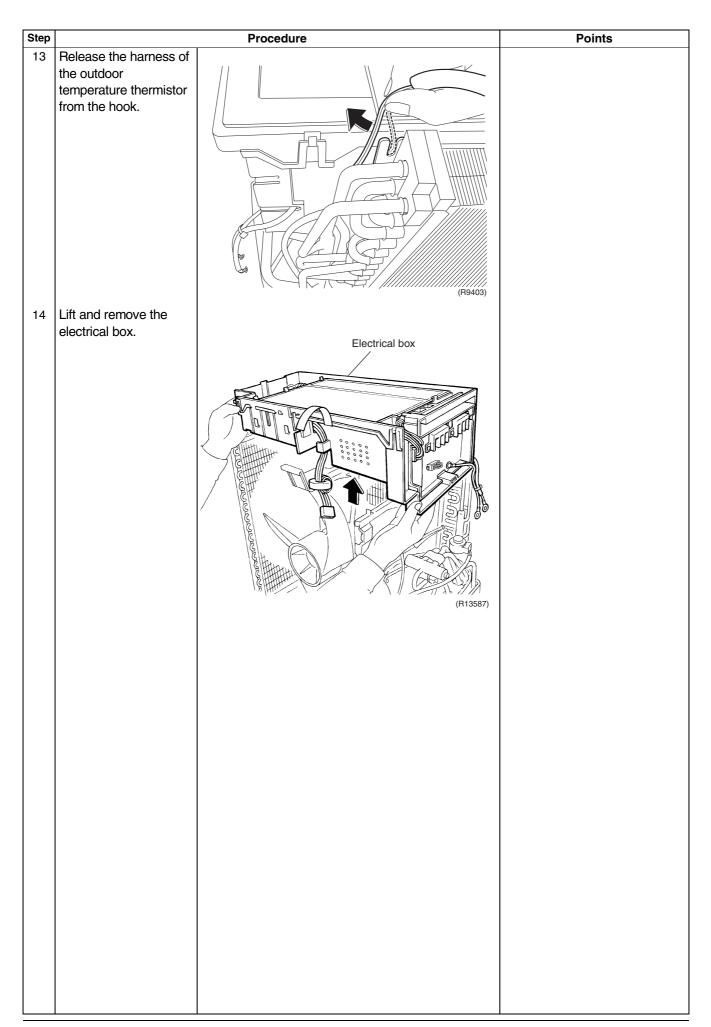
Procedure

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





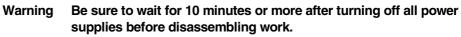
lead wire 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
 9 Disconnect the relay connector for the compressor. 9 Disconnect the relay 	sert
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connector for the compressor.	17138)
	\backslash
10 Release the clamp.	
	/
(R17139)	
11 Detach the clamp and Hook	sert
release the thermistor	
lead wires from the hook.	
Fixing position for the	
thermistor harness	
Thermistor lead wire (R17140)	
12 Remove the screw.	
(R12316)	

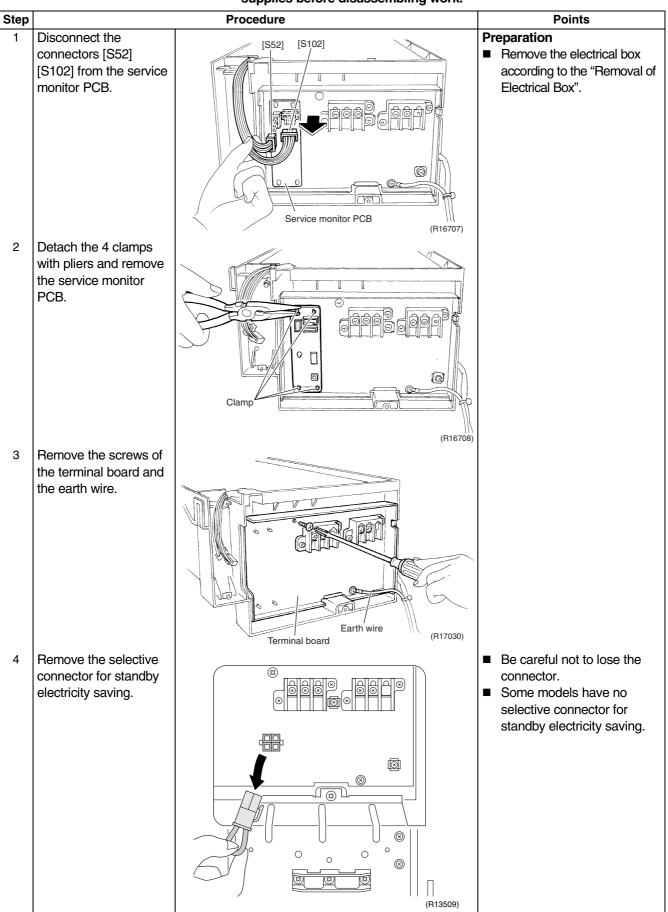


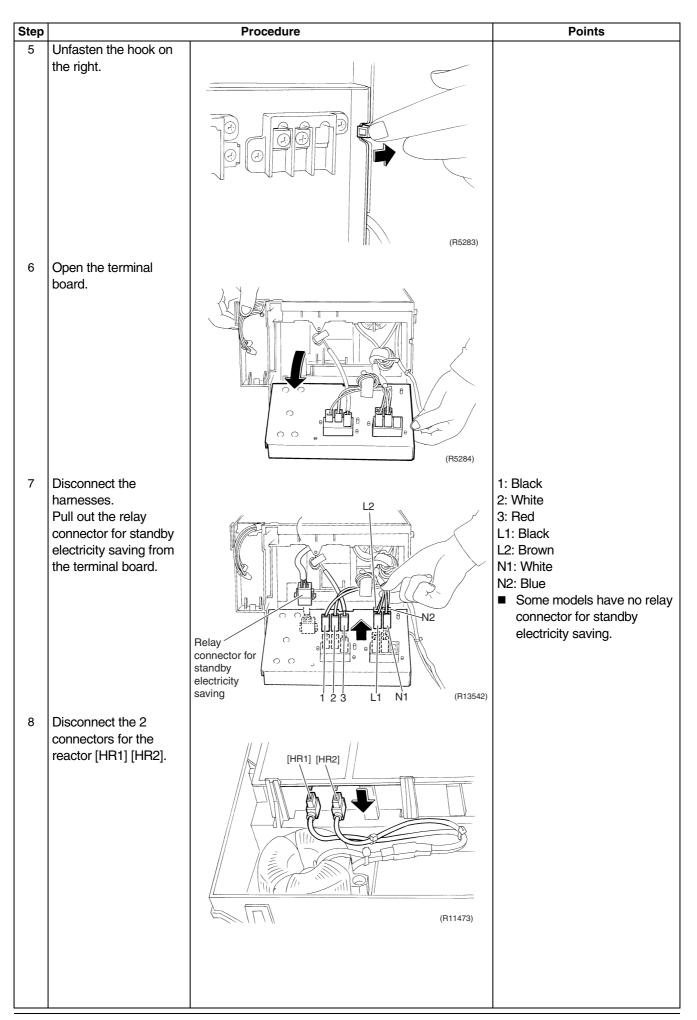
4. Removal of PCBs

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Procedure

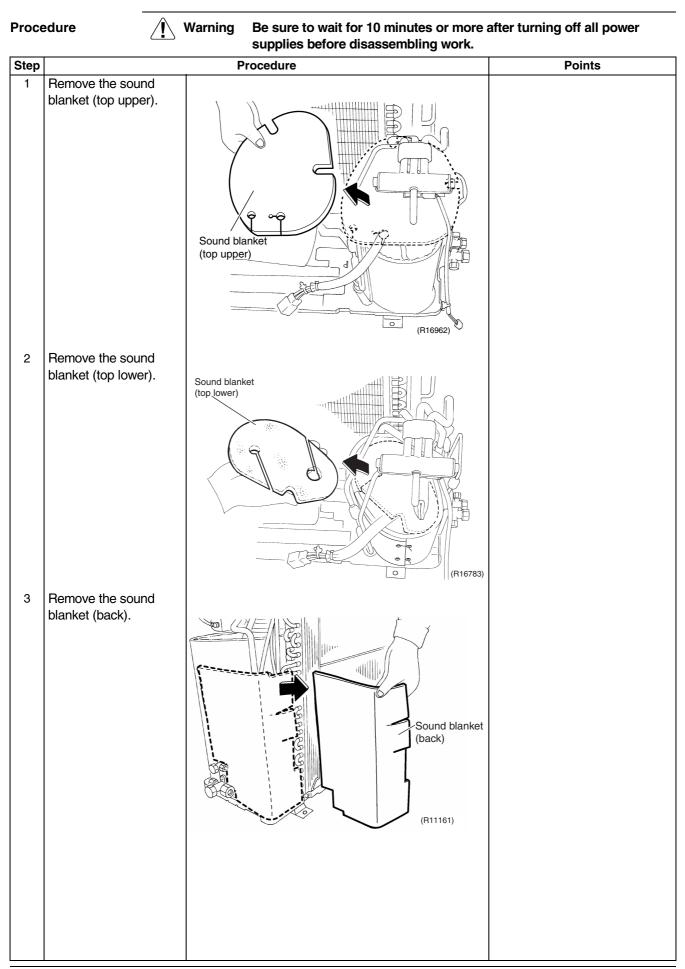


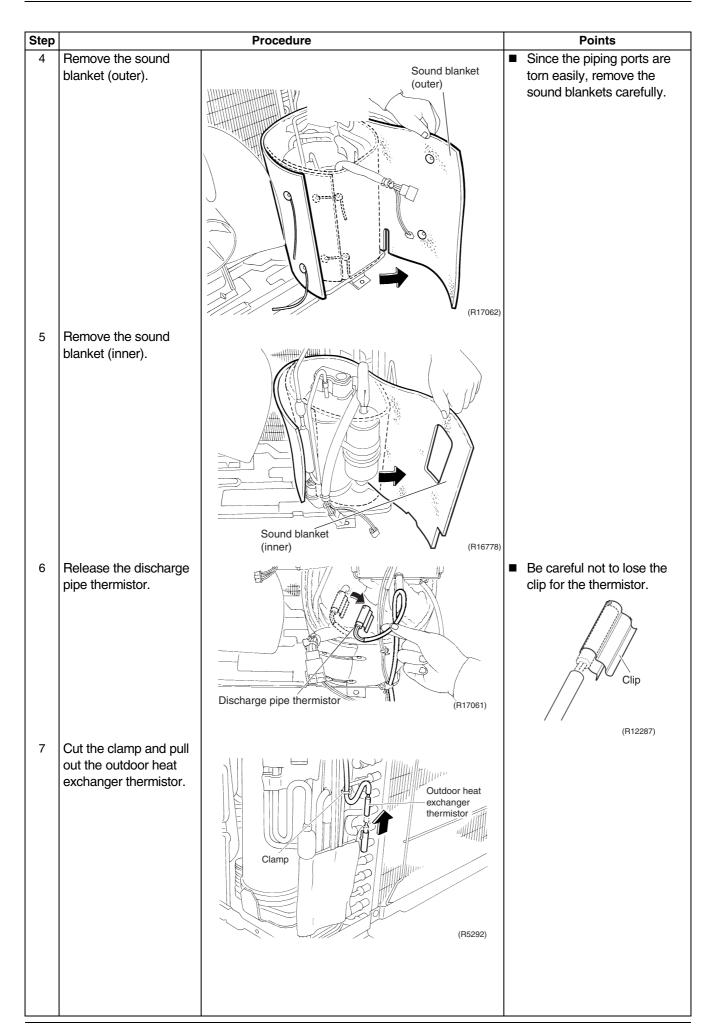




ер	Procedure	Points
9 Remove the 3 screws		
of the main PCB.	Main PCB	
0 Unfasten the 4 hooks.	(R5287)	
	Hook (R5288)	
1 Lift up and remove the		
main PCB.	Main PCB	

5. Removal of Sound Blankets / Thermistors

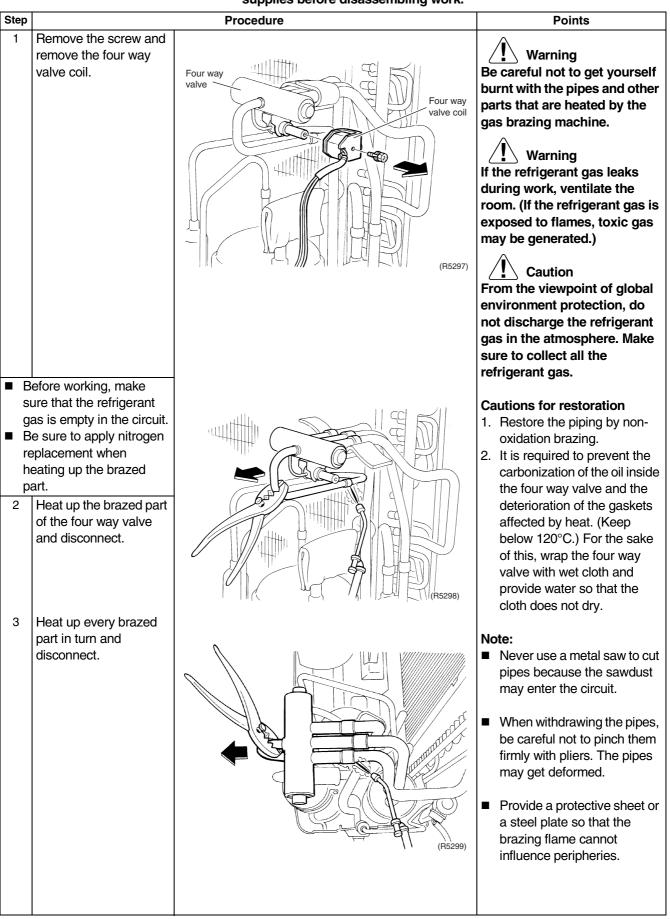




6. Removal of Four Way Valve

Procedure

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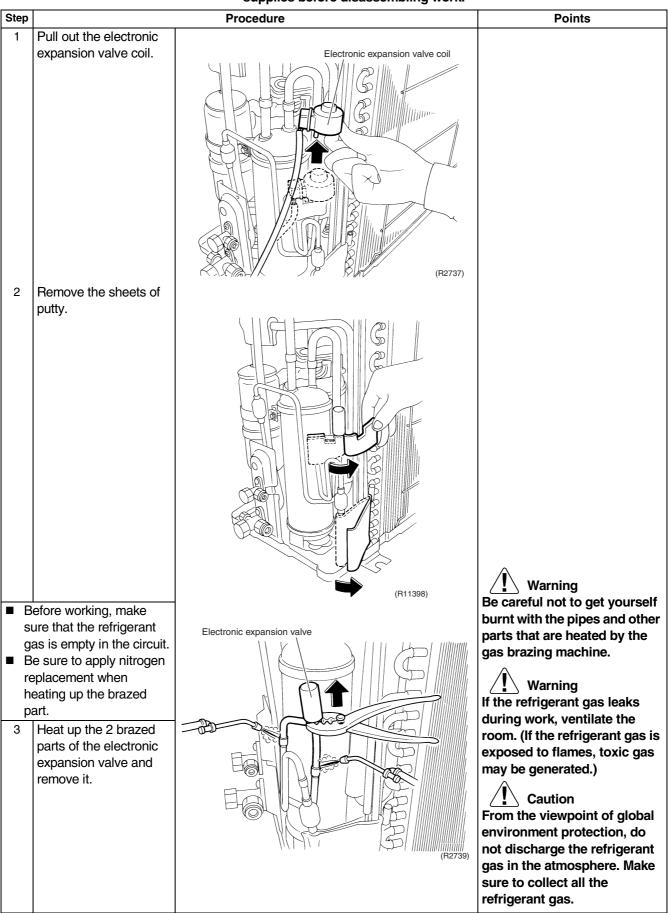


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7. Removal of Electronic Expansion Valve

Procedure

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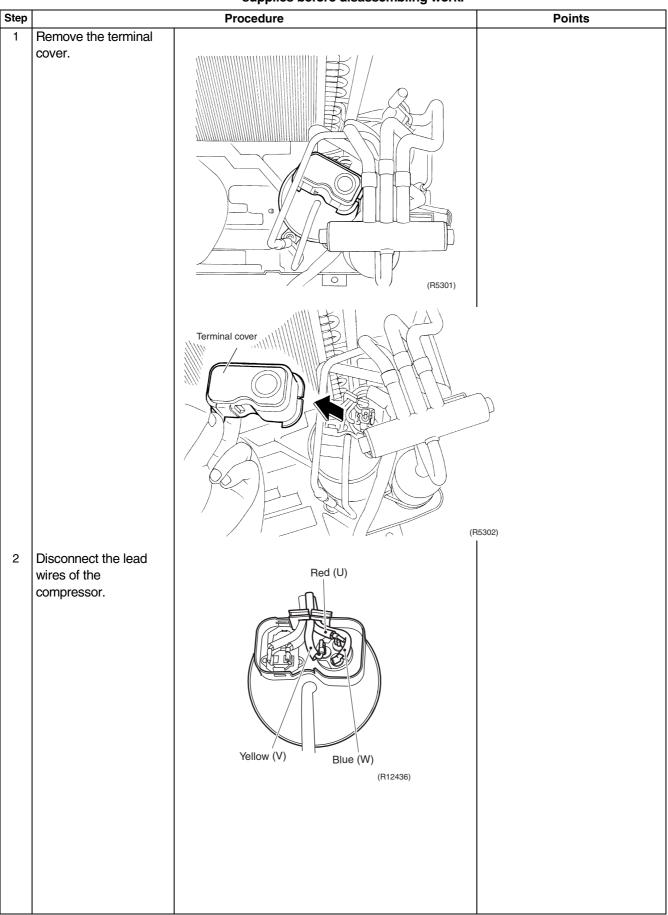


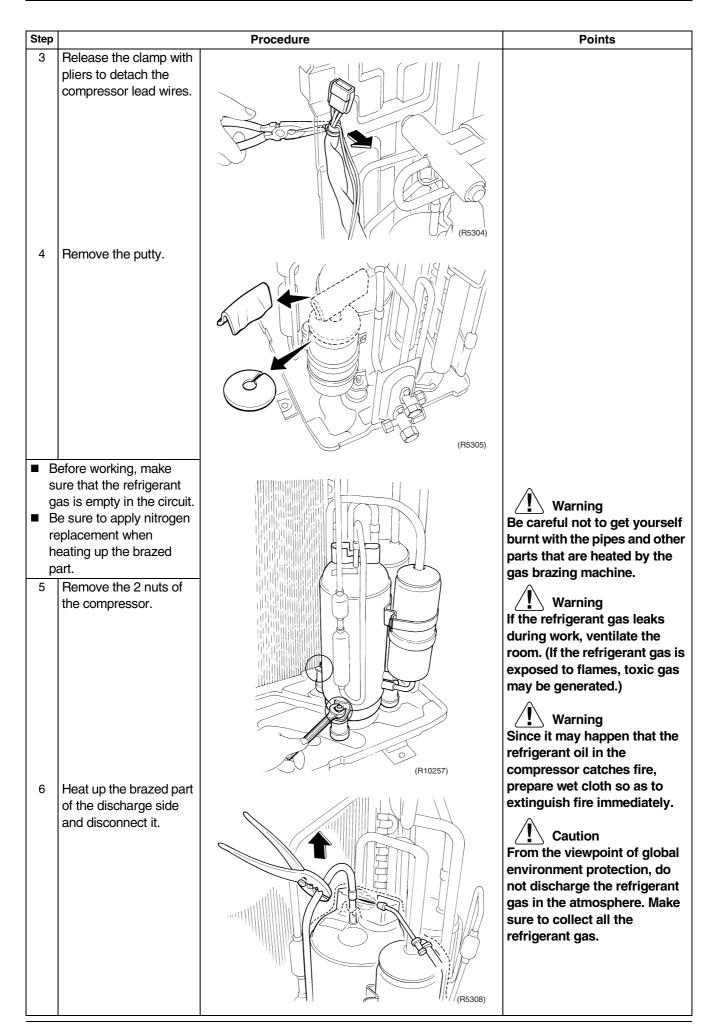
8. Removal of Compressor

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





Step		Procedure	Points
7	Heat up the brazed part of the suction side and		Cautions for restoration 1. Restore the piping by non-
8	disconnect it. Lift the compressor up and remove it.		 oxidation brazing. 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
			 Disconnect the brazed part where is easy to disconnect and restore.
		/ // (R5309)	 Cut pipes on the main unit with a tube cutter in order to make it easy to disconnect.
			Note:
			Never use a metal saw to cupipes 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 of 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
08/2012	Si001164	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