

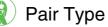
Si00-773



5.0/6.0/7.1 kW Class



- Outdoor Unit
-) Inverter / Non-Inverter





Service Manual Removal Procedure

Outdoor Unit

Cooling Only RKS50E2V1B RKS60E2V1B

RKS50E3V1B RKS60E3V1B

RKS50F2V1B RKS60F2V1B

RKS50FVLT RKS60FVLT RKS71FVLT

RKS50FVM RKS60FVM RKS71FVM

RKS50FVMA RKS60FVMA

RN50E2V1B RN50E3V1B RN60E3V1B •Heat Pump RXS50E2V1B RXS60E2V1B

RXS50E3V1B RXS60E3V1B

RXS50F2V1B RXS60F2V1B

RXS50FAVMA

RXS71FMV2C

RXS50FVLT RXS60FVLT RXS71FVLT

RXS50FVMA RXS60FVMA

RYN50E3V1B RYN60E3V1B

RYN50FV1A RYN60FV1A

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	Removal of Outdoor Fan / Fan Motor Removal of Electrical Box Removal of PCBs Removal of Sound Blankets / Thermistors Removal of Four Way Valve Removal of Electronic Expansion Valve



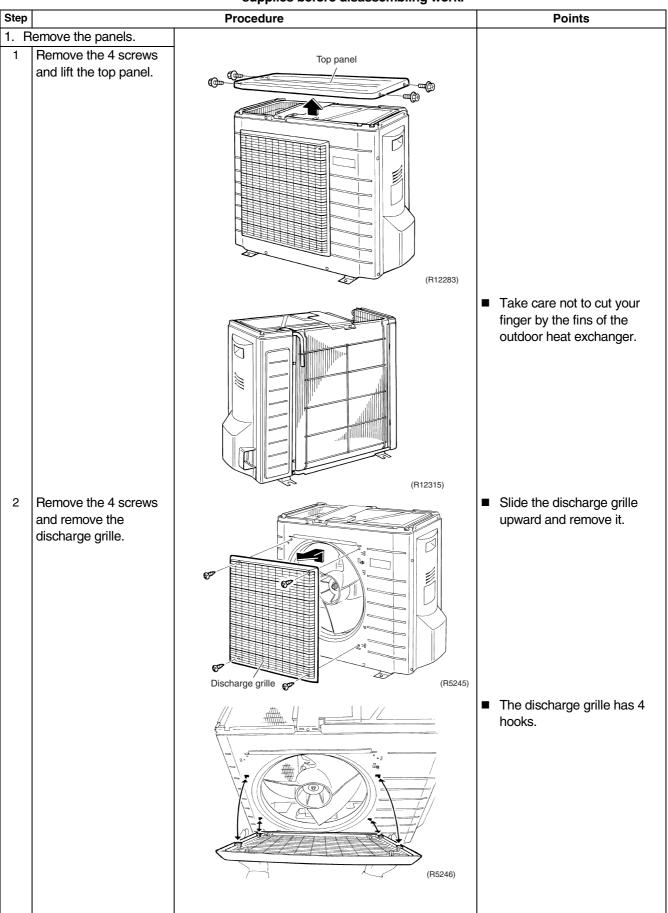
- The illustrations may be slightly different depending on the model.The illustrations are for heat pump models as representative.

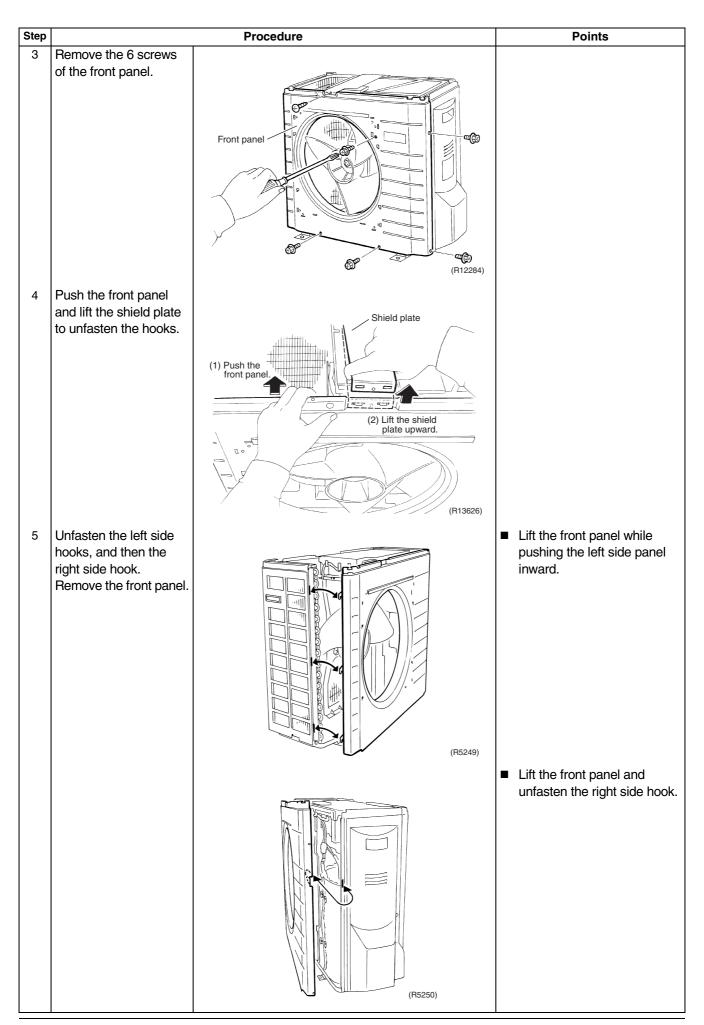
1. Removal of Outer Panels

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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.

2. Removal of Outdoor Fan / Fan Motor

Proc	edure	Warning Be sure to wait for 10 minutes or more supplies before disassembling work.	e after turning off all power
Step		Procedure	Points
C	emove the electrical box over.	- Shield plate	 Preparation Remove the top panel and
1	Remove the screw of the shield plate.	(R5255)	 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 (R5257)	
		(R5258)	

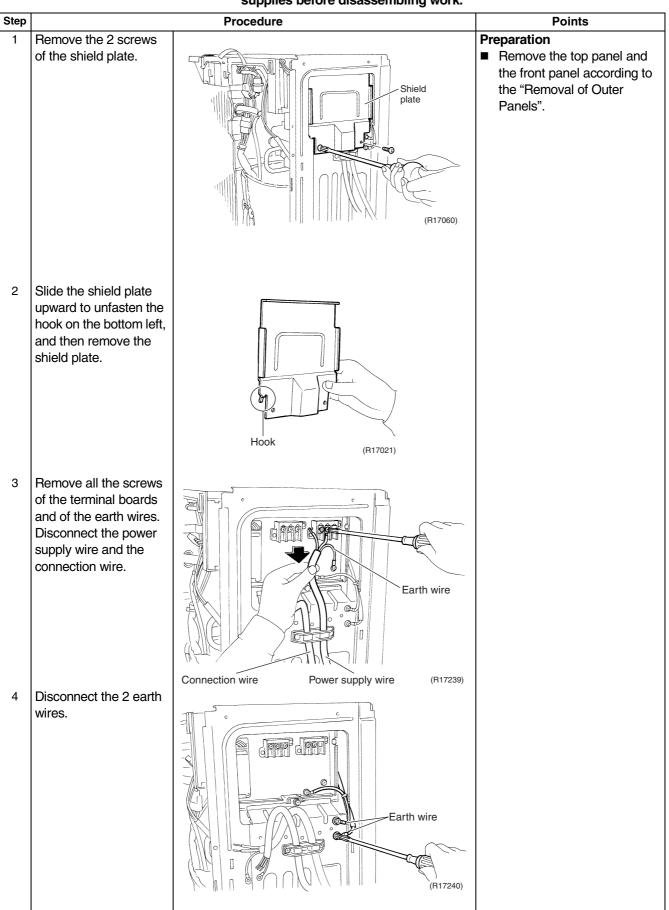
Step		Procedure	Points
2. Remove the			
1 Disconnector 1 connector 1 motor [S70	for the fan	[S70]	
2 Release th lead wire fr hooks.	e fan motor rom the 7	Contraction of the second seco	
3 Remove the outdoor far	e nut of the n.		 Nut size: M6 Image: Mark of the outdoor fan with the D-cut section of the motor shaft.

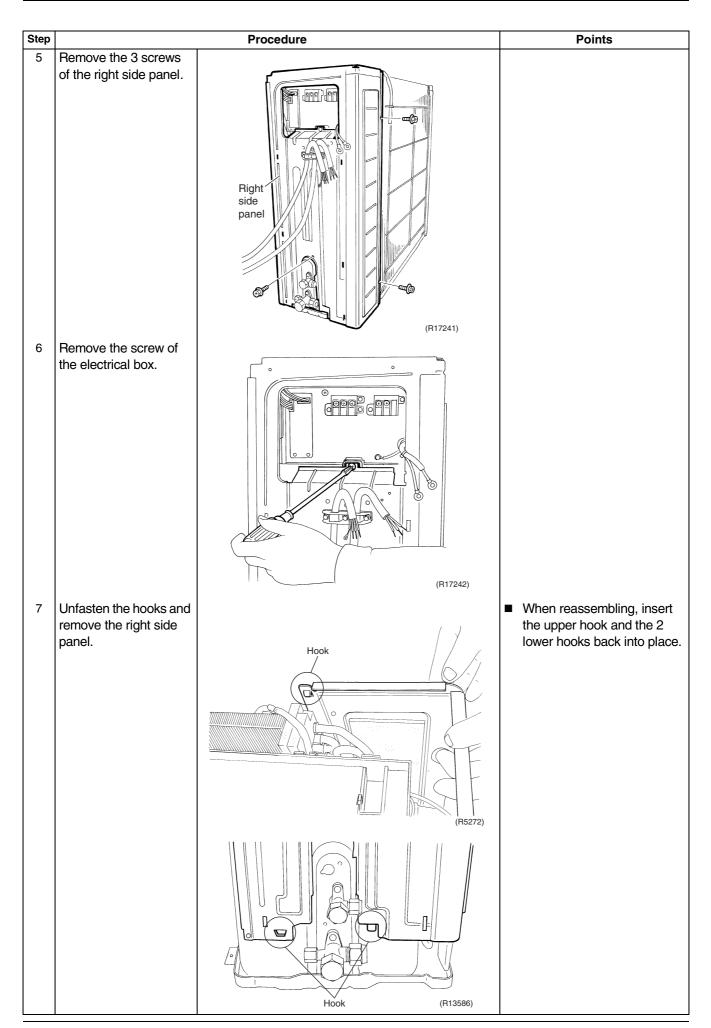
Step		Procedure	Points
4	Remove the 2 lower screws from the fan motor first.		Be sure to remove the lower screws first. If the upper screws are removed first, the fan motor may tilt down or fall and cause injury because
5	Then, remove the 2 upper screws.	Fan motor (R5264)	its center of gravity is shifted to the front.
6	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)

3. Removal of Electrical Box

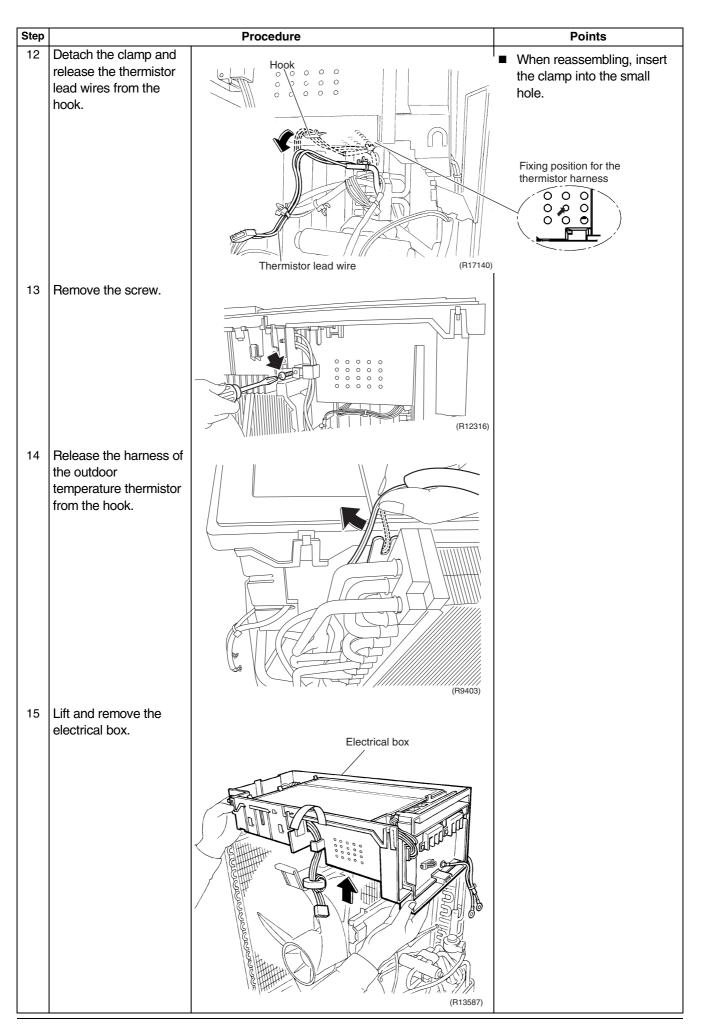
Procedure

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





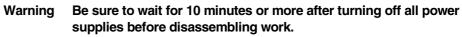
Step		Procedure	Points
8	Disconnect the relay		■ 71 class only.
	harness for fan motor.		
9	Disconnect the		[S20]: electronic expansion
	connectors of the front side.		 valve coil [S40]: overload protector [S80]: four way valve coil [S90]: thermistors The cooling only models do not have the harness for [S80]. When reassembling, insert each clamp into the hole as below.
10	Disconnect the relay	(Rì7137)	Fan motor 0 0 0 0 0 Electronic lead wire 0 0 0 0 0 0 expansion valve coil
	connector for the compressor.	(RI7139)	lead wire 0,000 valve coil 0000 harness Thermistor ASSY harness (R17138)
11	Release the clamp by		■ 71 class only.
	pliers.	CEL 0	 Some models do not have the clamp.

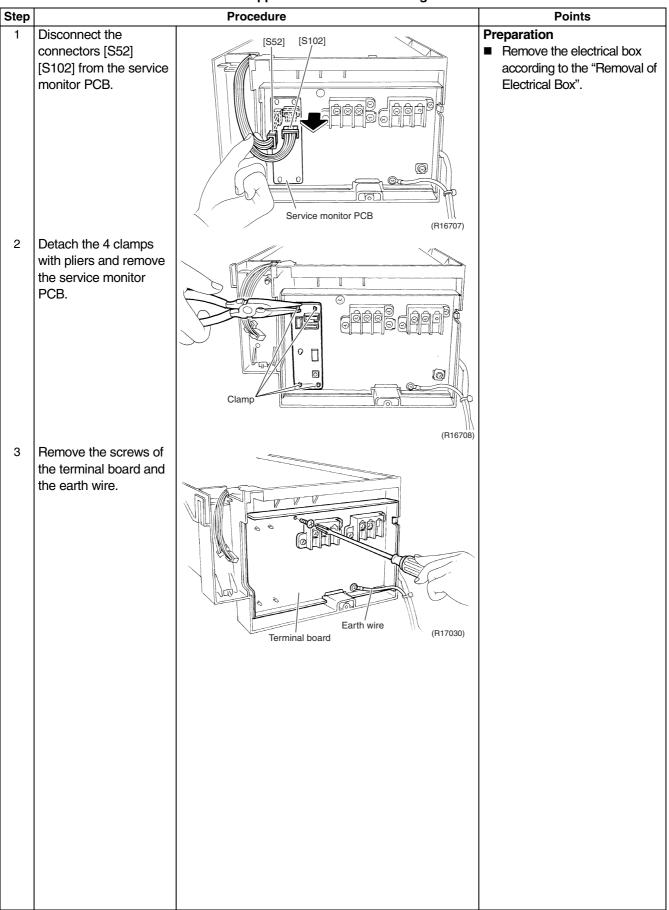


4. Removal of PCBs

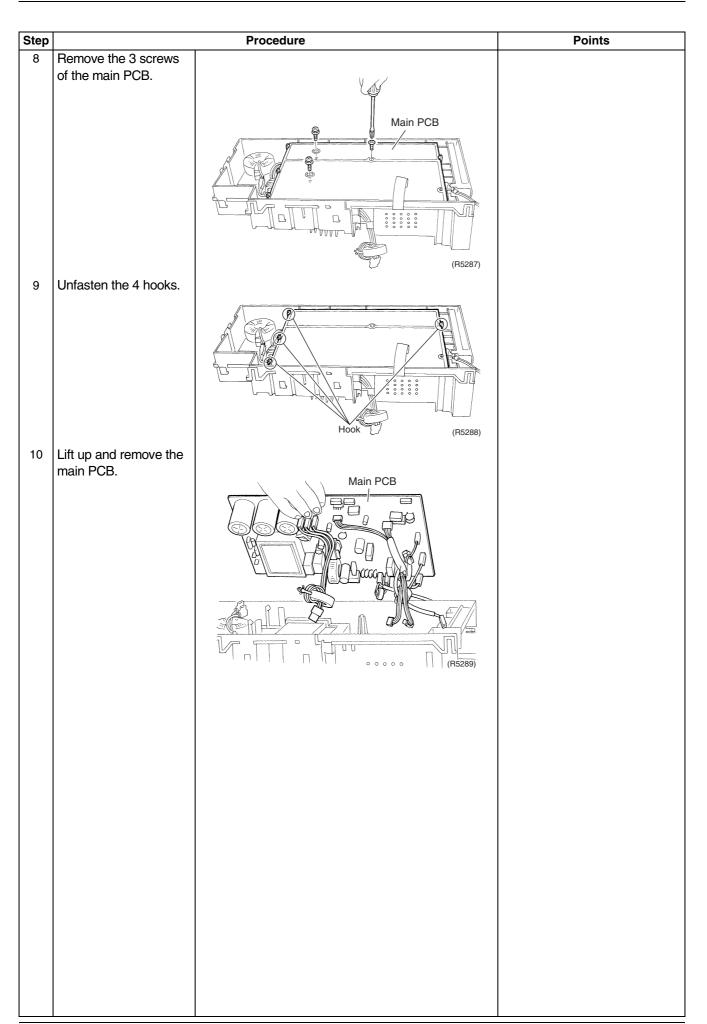
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Procedure

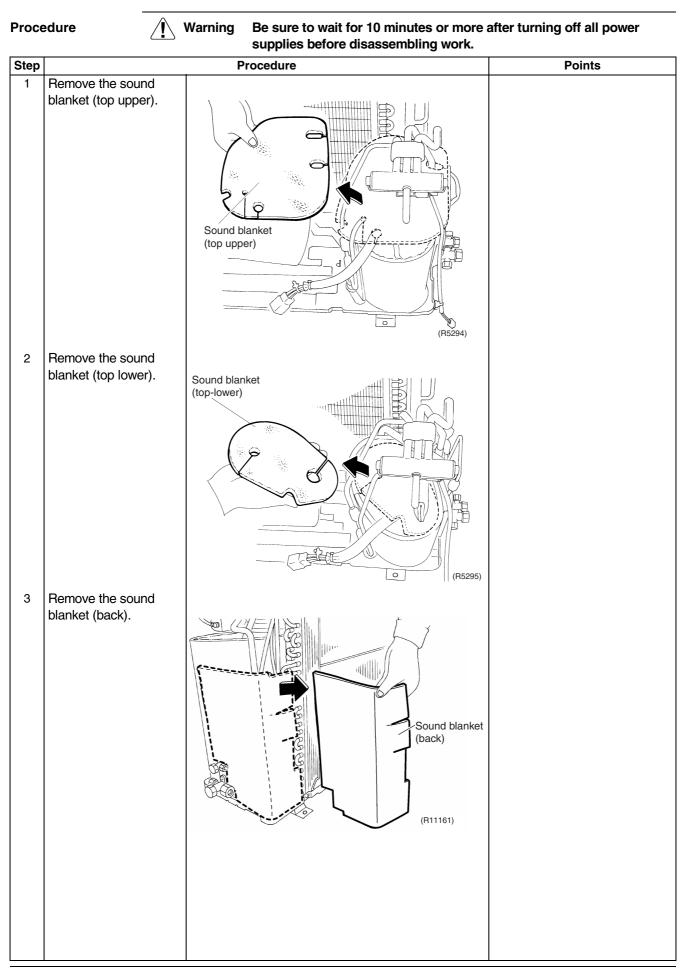




Step		Procedure	Points
4	Unfasten the hook on		
	the right.		
5	Open the terminal		
	board.		
6	Disconnect the		1: Black
	hamesses.	L2 L2 N2 C C L2 L1 N1 (F5285)	2: White 3: Red L1: Black L2: Brown N1: White N2: Blue
7	Disconnect the 2 connectors for the reactor [HR1] [HR2].	(HR1) [HR2)	



5. Removal of Sound Blankets / Thermistors

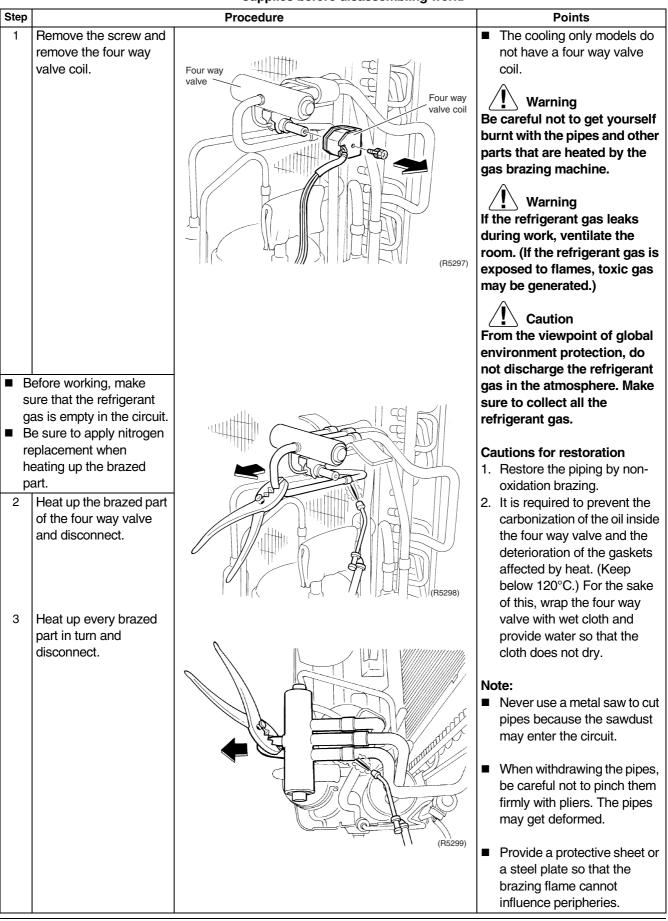


Step		Procedure	Points
4	Remove the sound blanket (outer).	Sound blanket (outer)	Since the piping ports are torn easily, remove the sound blankets carefully.
5	Remove the sound blanket (inner).	Sound blanket (inner) (B5296)	
6	Release the discharge pipe thermistor.	Discharge pipe thermistor (R17061)	Be careful not to lose the clip for the thermistor.
7	Cut the clamp and pull out the outdoor heat exchanger thermistor.	Clamp Clamp (R5292)	

6. Removal of Four Way Valve

Procedure

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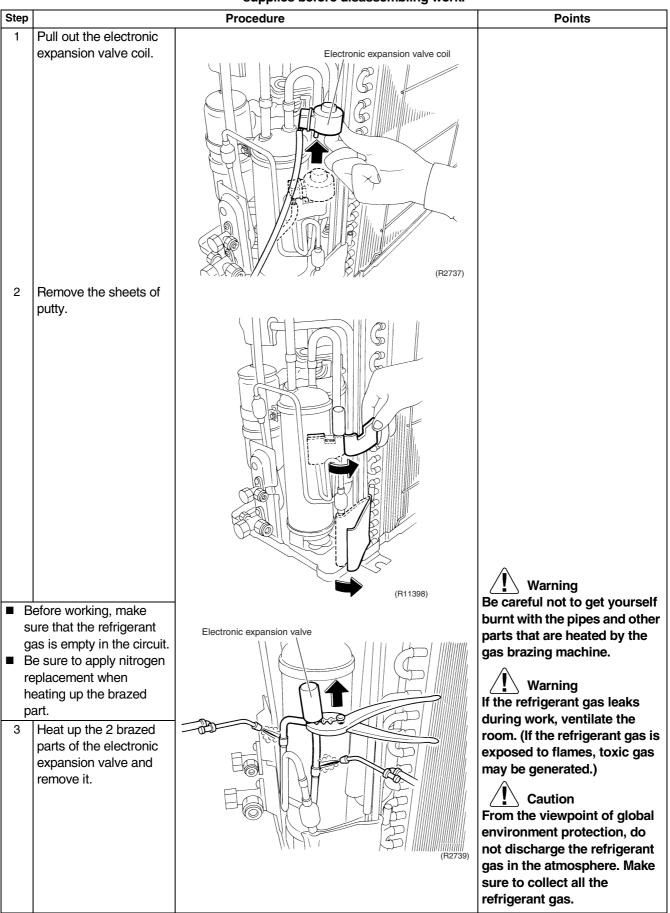


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7. Removal of Electronic Expansion Valve

Procedure

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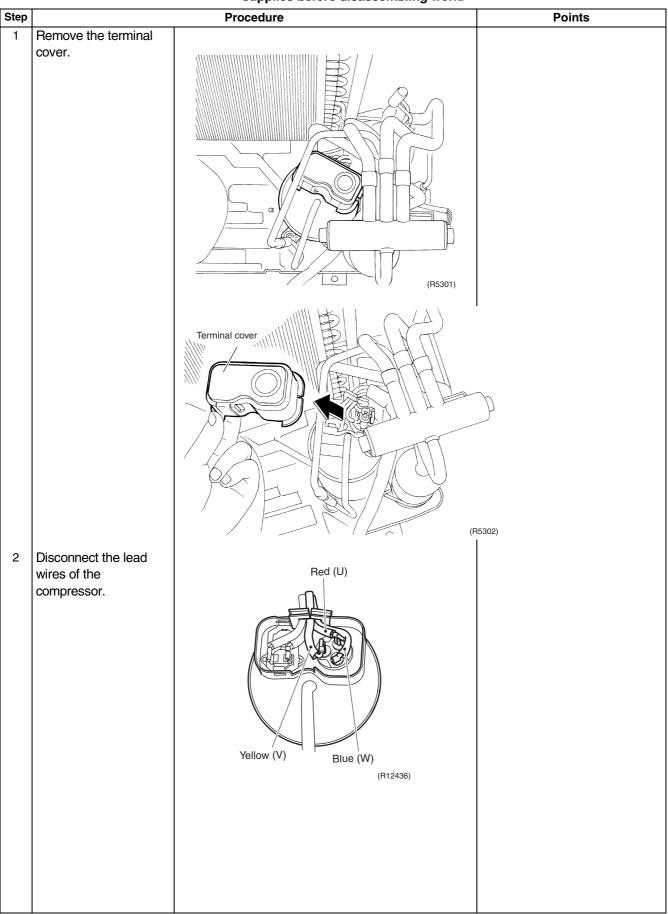


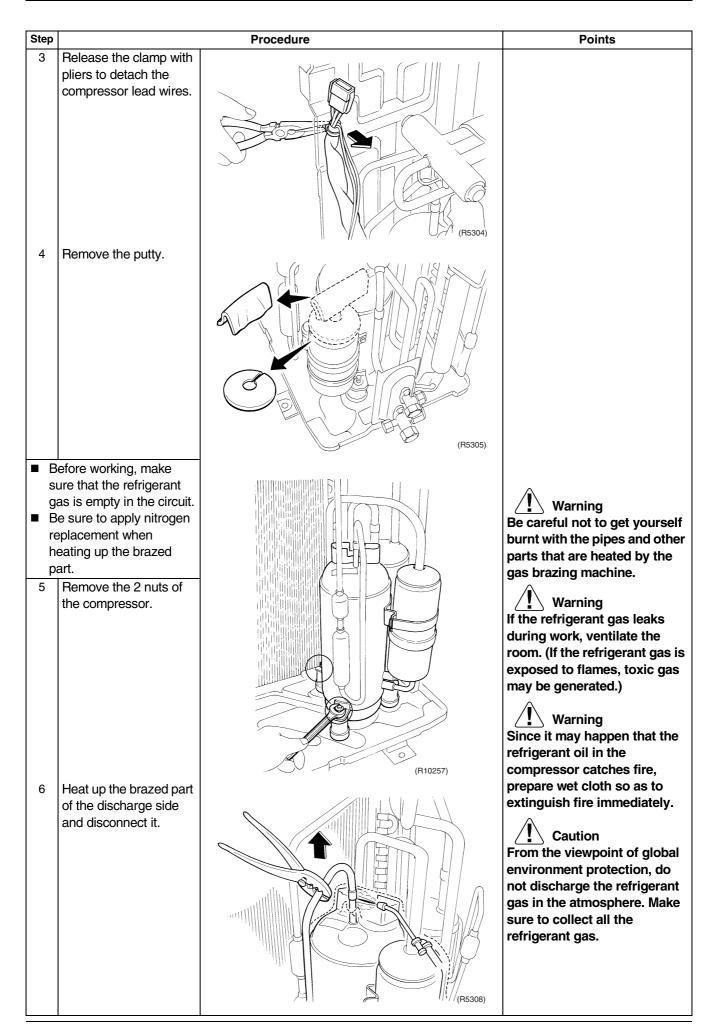
8. Removal of Compressor

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





tep		Procedure	Points
7	Heat up the brazed part of the suction side and disconnect it.		 Cautions for restoration 1. Restore the piping by non- oxidation brazing.
3	Lift the compressor up and remove it.		 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
			 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 cupies because the sawdust may enter the circuit.
			When withdrawing the pipes be careful not to pinch then 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 burr the compressor terminals, the name plate, the heat exchanger fin.

Revision History

Month / Year	Version	Revised contents
07 / 2013	Si00-773	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