

Si00-975



## 3.5/5.0/6.0/7.2 kW Class 18000/24000 Btu/h Class





# Service Manual Removal Procedure

# **Outdoor Unit**

•Cooling Only RKS18GV2S RKS24GV2S

RKS50JVMA RKS60JVMA •Heat Pump RXL35G2V1B

**RXS50FBVMA** 

RXS50JVMA RXS60JVMA

RXS60GMV2C RXS72GMV2C

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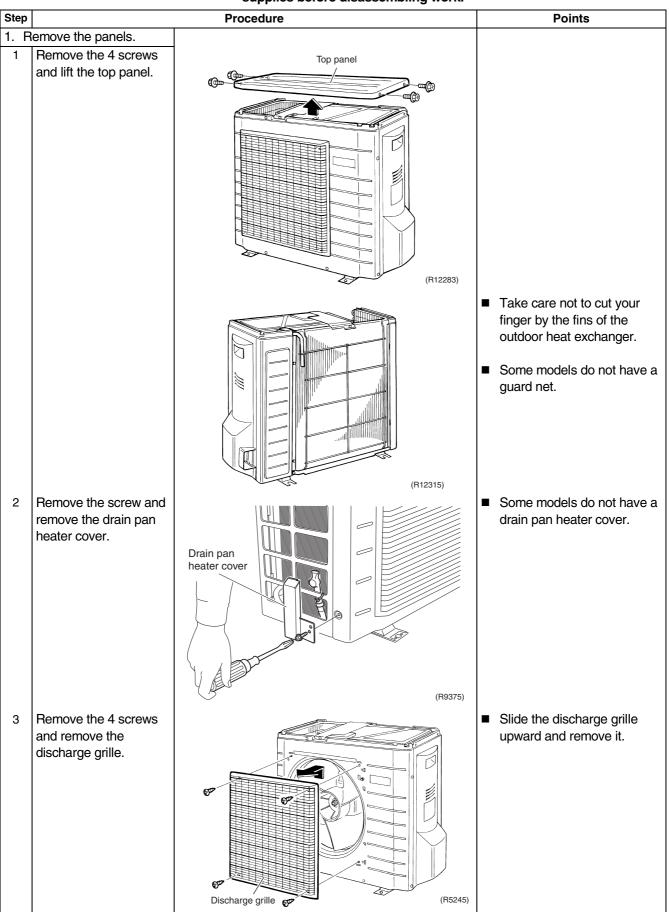


- The illustrations may be slightly different depending on the model.
- The illustrations are for heat pump models as representative.

## 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.



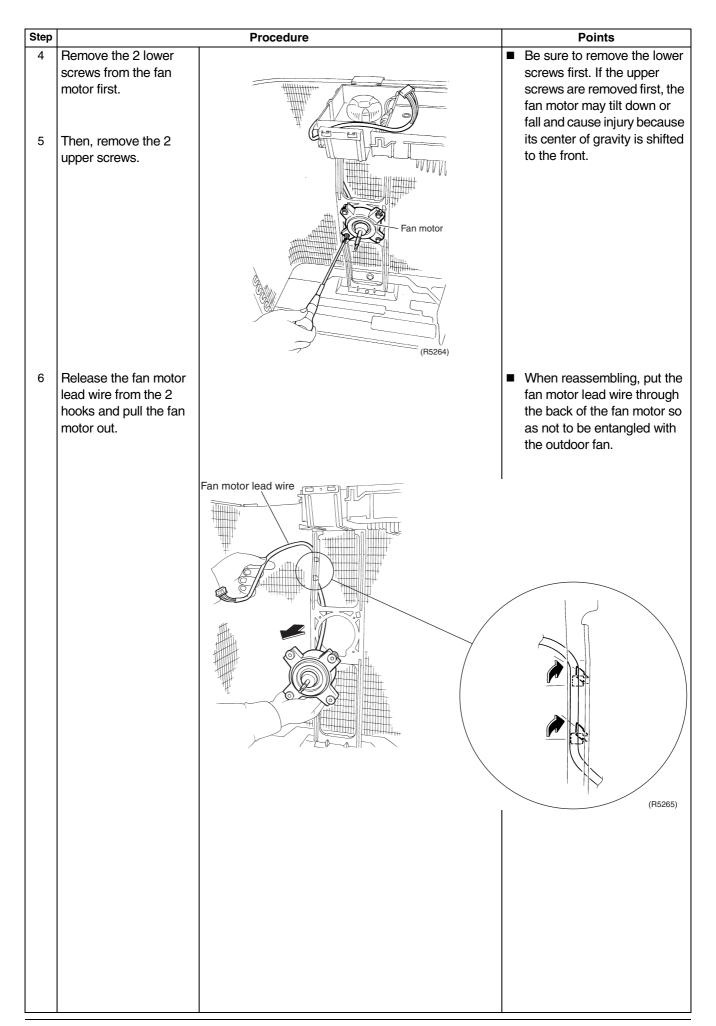
Step		Procedure	Points
		(R5246)	The discharge grille has 4 hooks.
4	Remove the 6 screws of the front panel.	Front panel	
5	Push the front panel and lift the shield plate to unfasten the hooks.	(1) Push the front panel (2) Lift the shield plate upward. (R13626)	
6	Unfasten the left side hooks, and then the right side hook. Remove the front panel.	(F5249	Lift the front panel while pushing the left side panel inward.

Step		Procedure	Points
		(R5250)	Lift the front panel and unfasten the right side hook.
		(B5251)	When reassembling, fit the right side of the front panel first.
	emove the stop valve over.		
1	Remove the screw of the stop valve cover.	Stop valve cover         V	
2	Pull the stop valve cover downward to unfasten the hooks and remove it.	(F5253)	

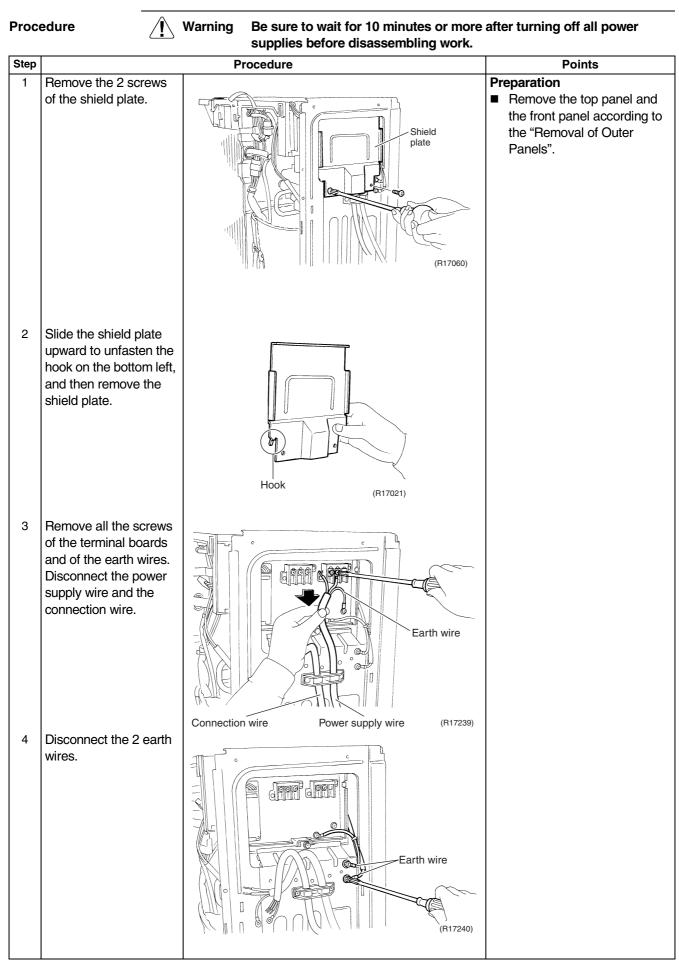
## 2. Removal of Outdoor Fan / Fan Motor

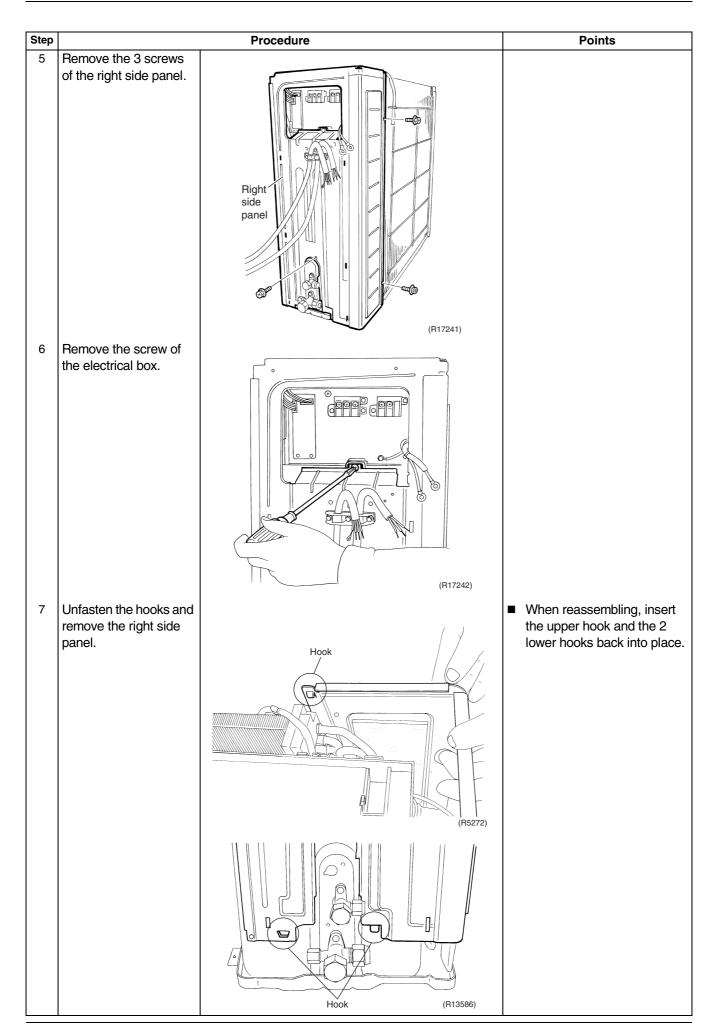
#### Procedure $/ \mathbb{N}$ Warning Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work. Step Procedure Points 1. Remove the electrical box Preparation cover. Remove the top panel and Shield plate the front panel according to Remove the screw of 1 the "Removal of Outer the shield plate. Panels". This procedure is not necessary to remove the outdoor fan only. B5255) 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)

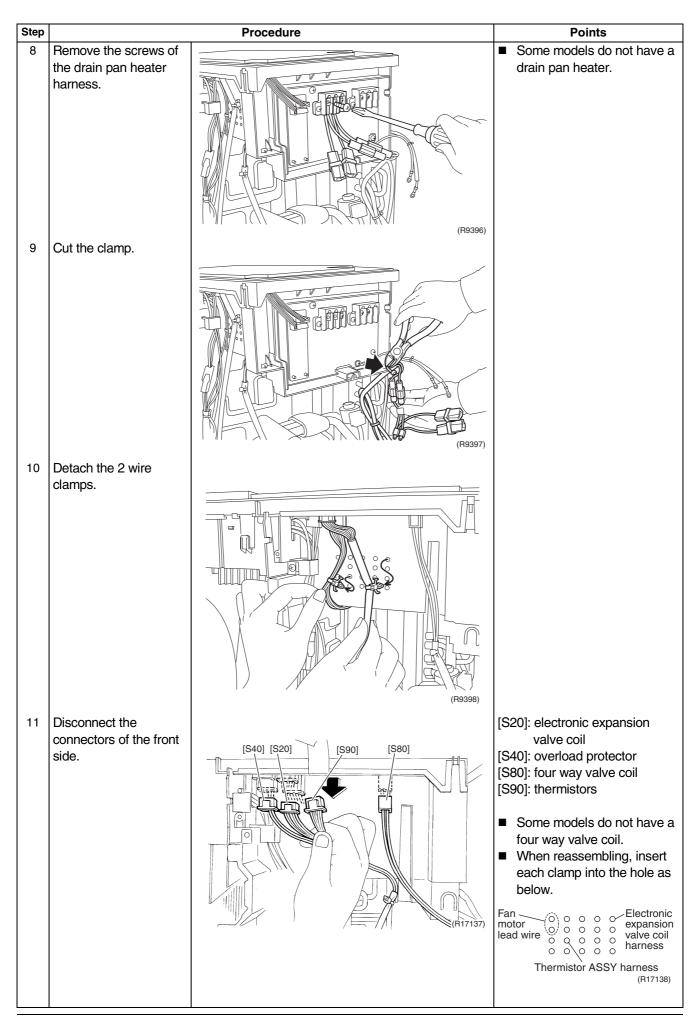
Step		Procedure	Points
2. R	emove the fan motor.		
1	Disconnect the connector for the fan motor [S70].	[S70] C C C C C C C C C C C C C C C C C C C	
2	Release the fan motor lead wire from the 7 hooks.	(FS260)	
3	Remove the nut of the outdoor fan.	Outdoor fan (B262)	Nut size: M6 10 mm (R12236)
			■ When reassembling, align the ▼ mark of the outdoor fan with the D-cut section of the motor shaft.

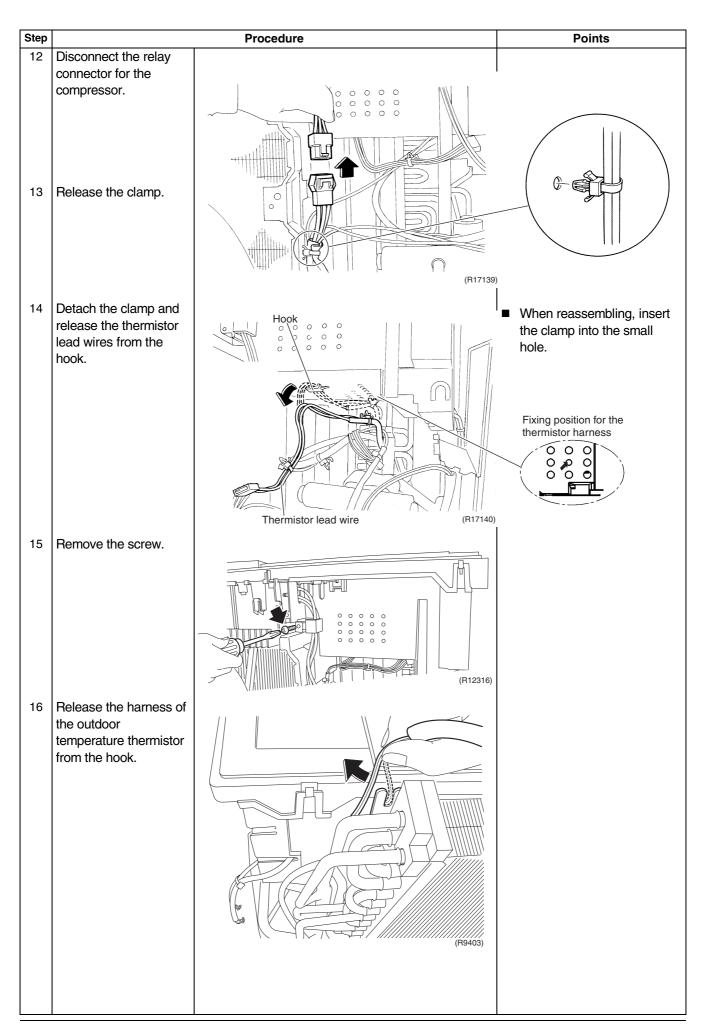


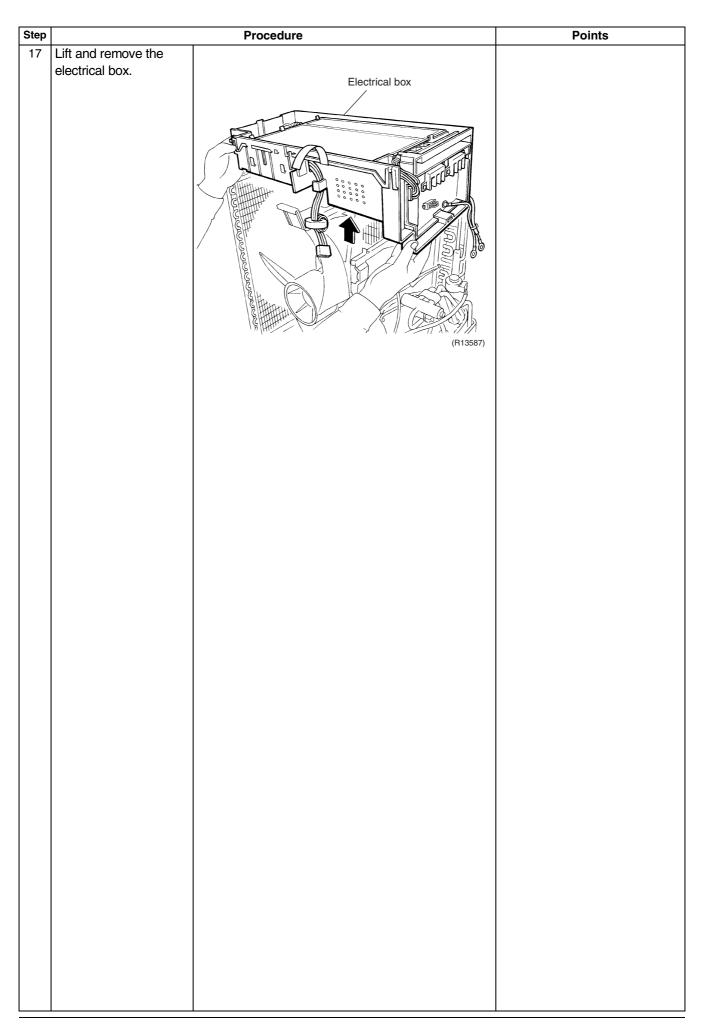
## 3. Removal of Electrical Box







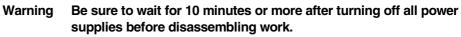


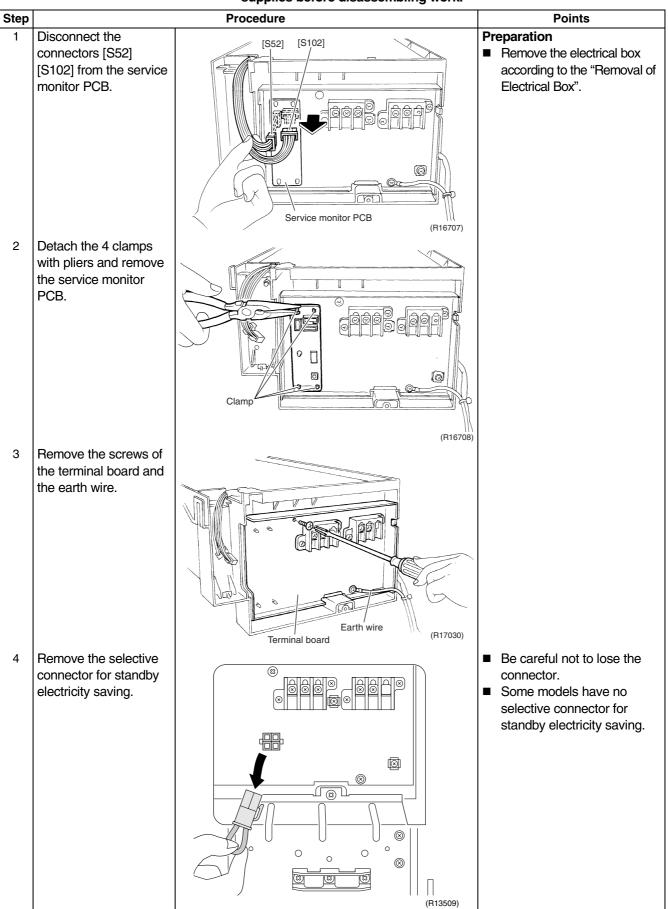


## 4. Removal of PCBs

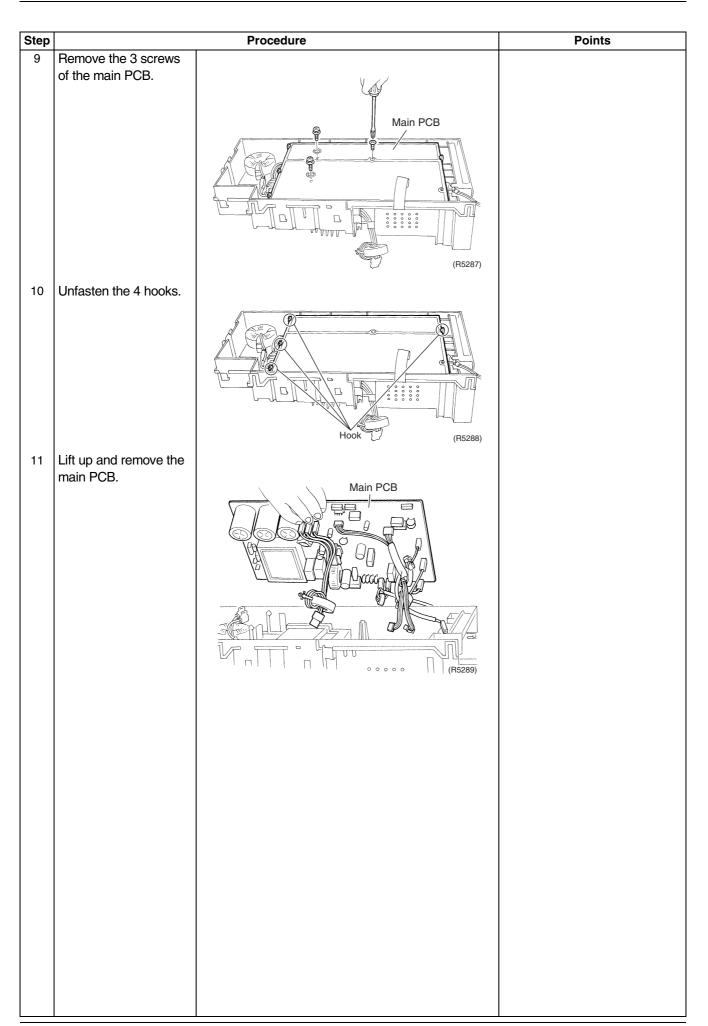
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#### Procedure

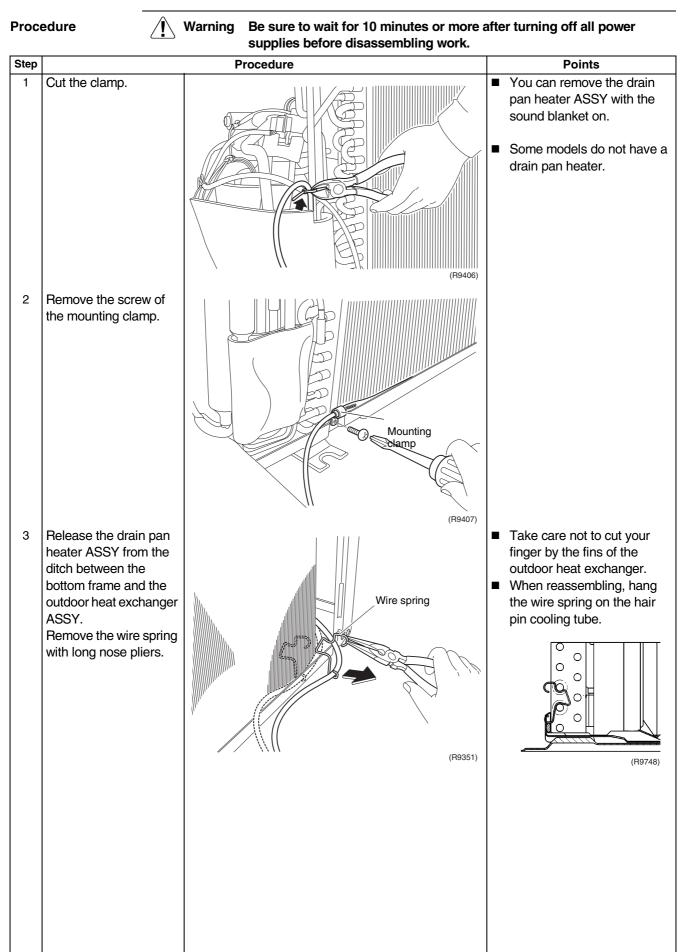


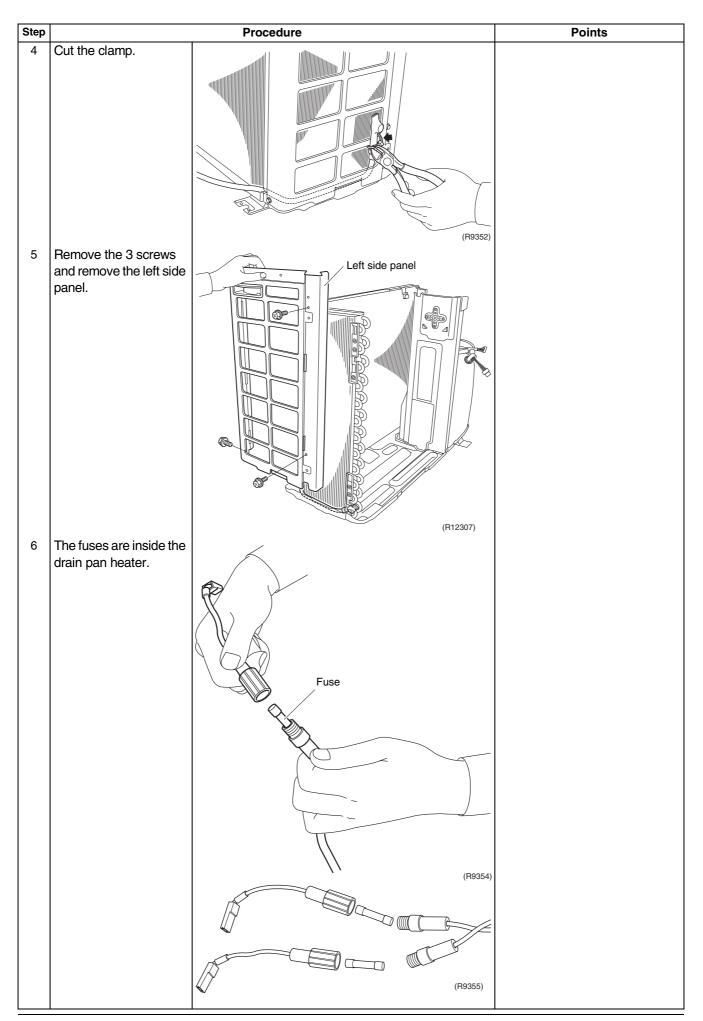


Step		Procedure	Points
5	Unfasten the hook on		
	the right.		
6	Open the terminal board.		
	board.		
7	Disconnect the		1 : Black
	harnesses. Pull out the relay connector for standby electricity saving from the terminal board.	Relay connector for standby electricity saving 1 2 3 L1 N1 (R13542)	<ul> <li>2 : White</li> <li>3 : Red</li> <li>L1: Black</li> <li>L2: Brown</li> <li>N1: White</li> <li>N2: Blue</li> <li>Some models have no relay connector for standby electricity saving.</li> </ul>
8	Disconnect the 2 connectors [HR1] [HR2] for the reactor.	(R11473)	

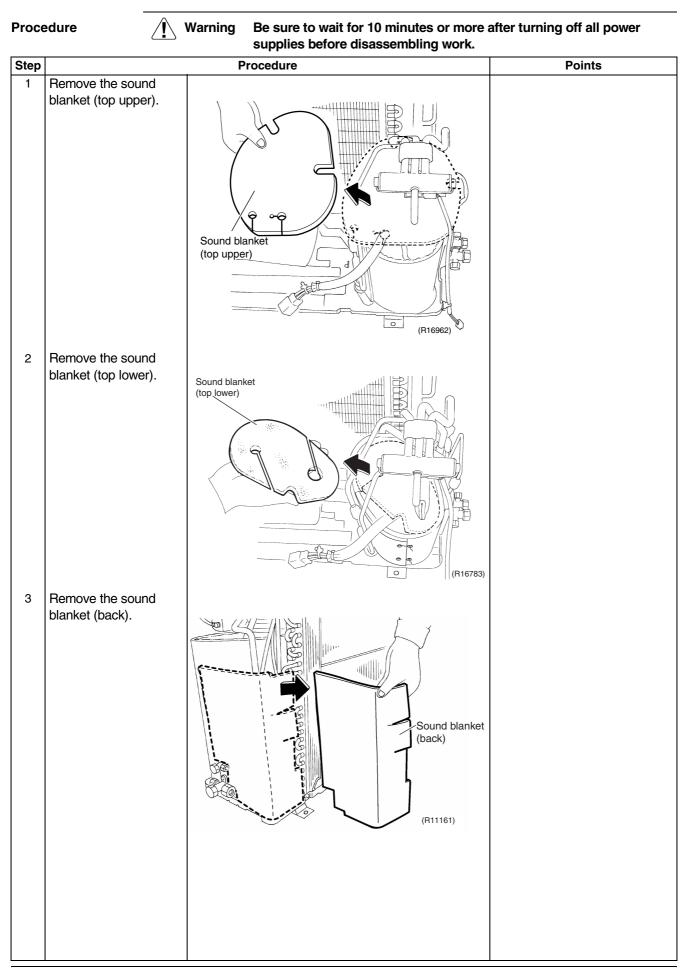


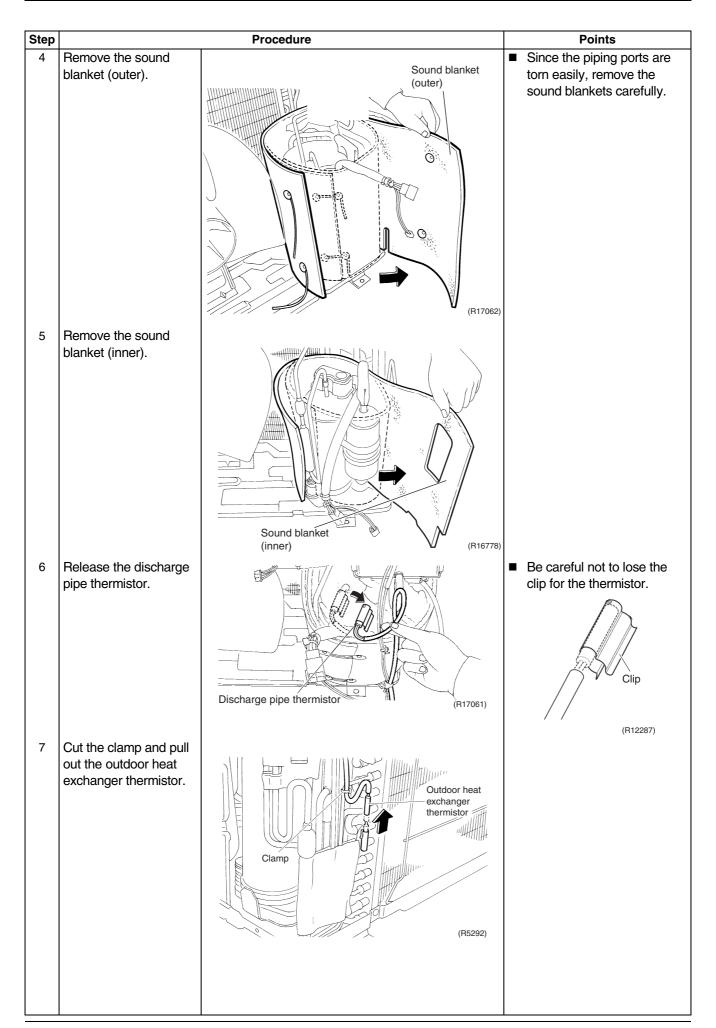
## 5. Removal of Drain Pan Heater





### 6. Removal of Sound Blankets / Thermistors

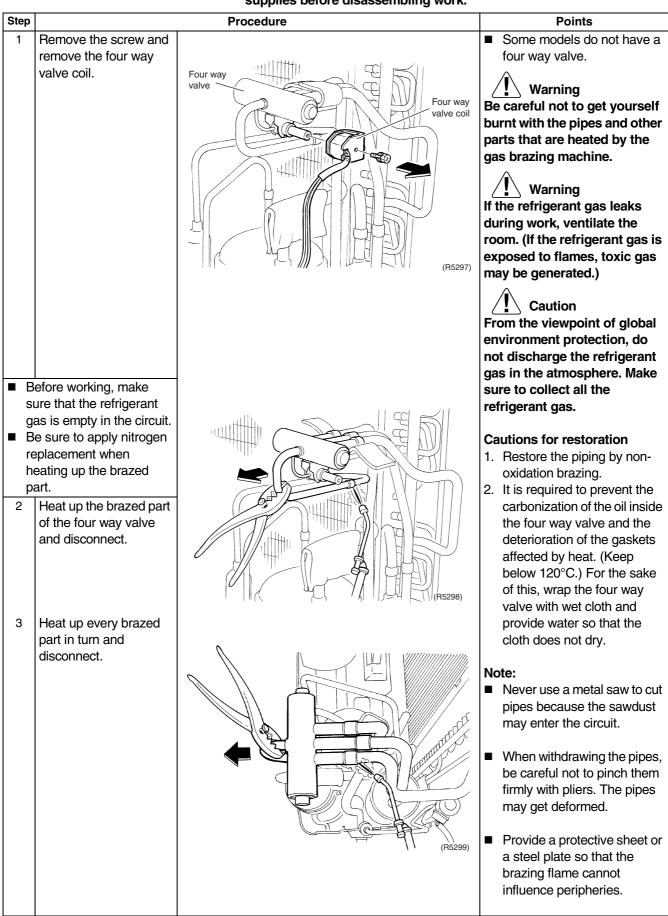




## 7. Removal of Four Way Valve

#### Procedure

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

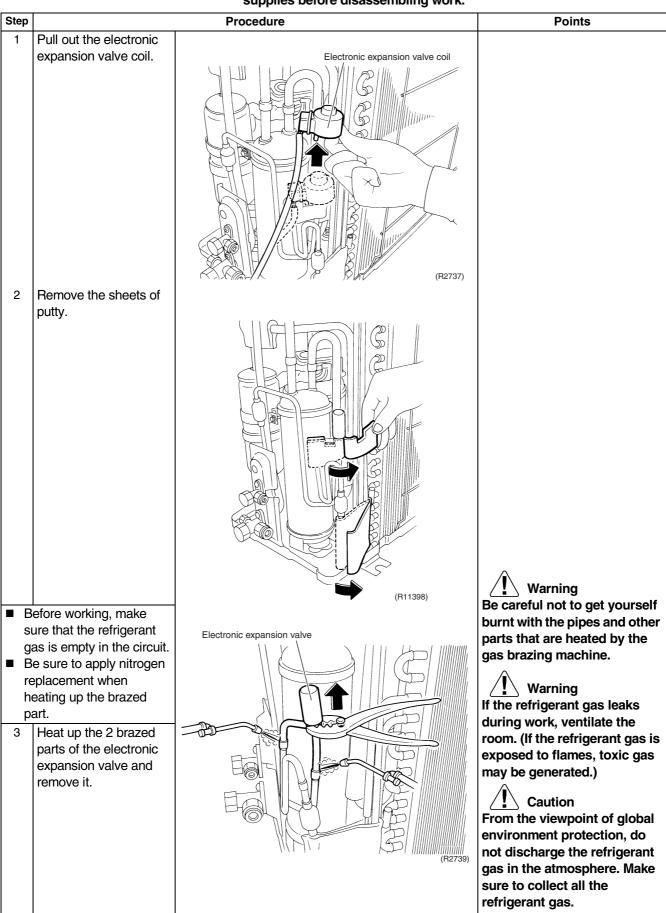


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## 8. Removal of Electronic Expansion Valve



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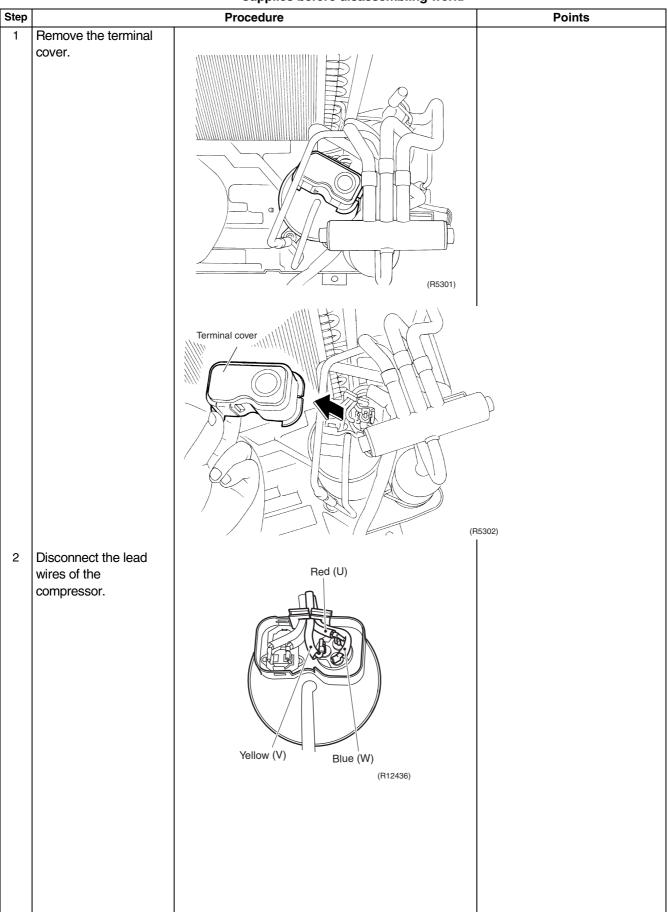


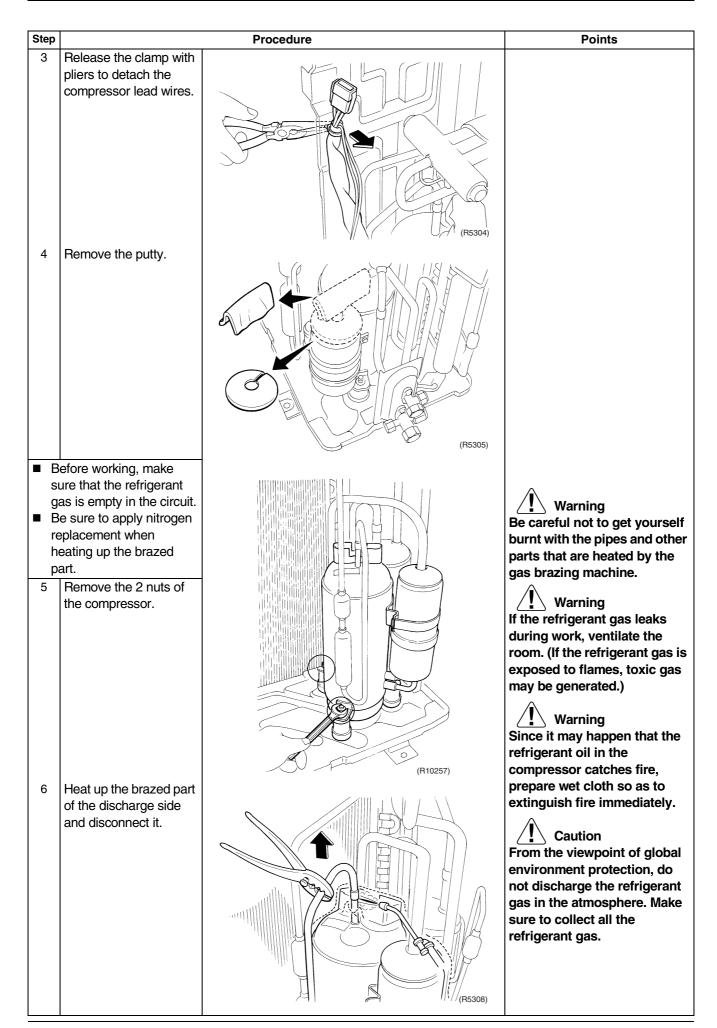
## 9. Removal of Compressor

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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.		<ul> <li>Cautions for restoration</li> <li>1. Restore the piping by non- oxidation brazing.</li> </ul>
3	Lift the compressor up and remove it.		<ul> <li>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.</li> </ul>
			In case of difficulty with gas brazing machine
			<ol> <li>Disconnect the brazed part where is easy to disconnect and restore.</li> </ol>
		/ // (R5309)	<ol> <li>Cut pipes on the main unit with a tube cutter in order to make it easy to disconnect.</li> </ol>
			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**

Мо	nth / Year	Version	Revised contents
02	2 / 2013	Si00-975	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