

Si12-796

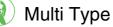


#### 8.0/9.0 kW Class



Outdoor Unit







# Service Manual Removal Procedure

## **Outdoor Unit**

•Cooling Only 4MKD90BVM •Heat Pump 4MXD80BVMA

4MKD90BVMA

4MKD90BVMD

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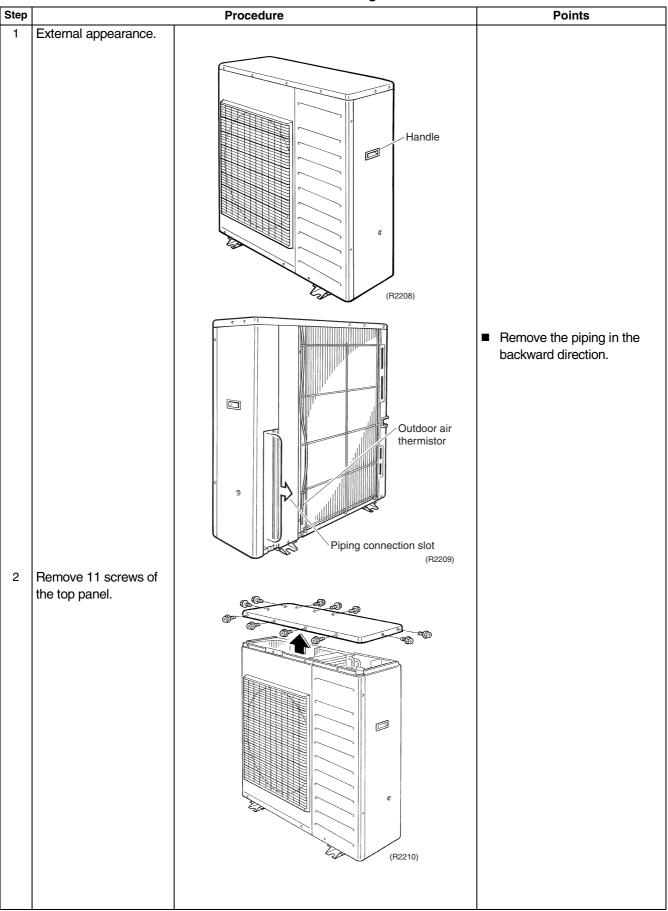
- The illustrations may be slightly different depending on the model.
- The illustrations are for heat pump models as representative.

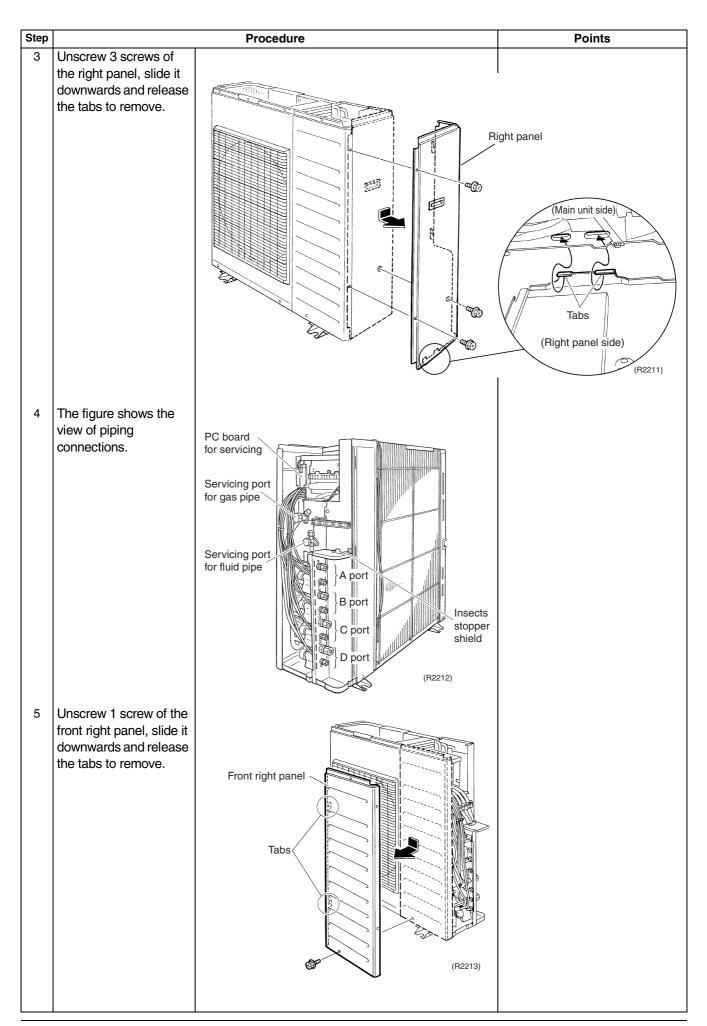
#### 1. Removal of Outer Panels

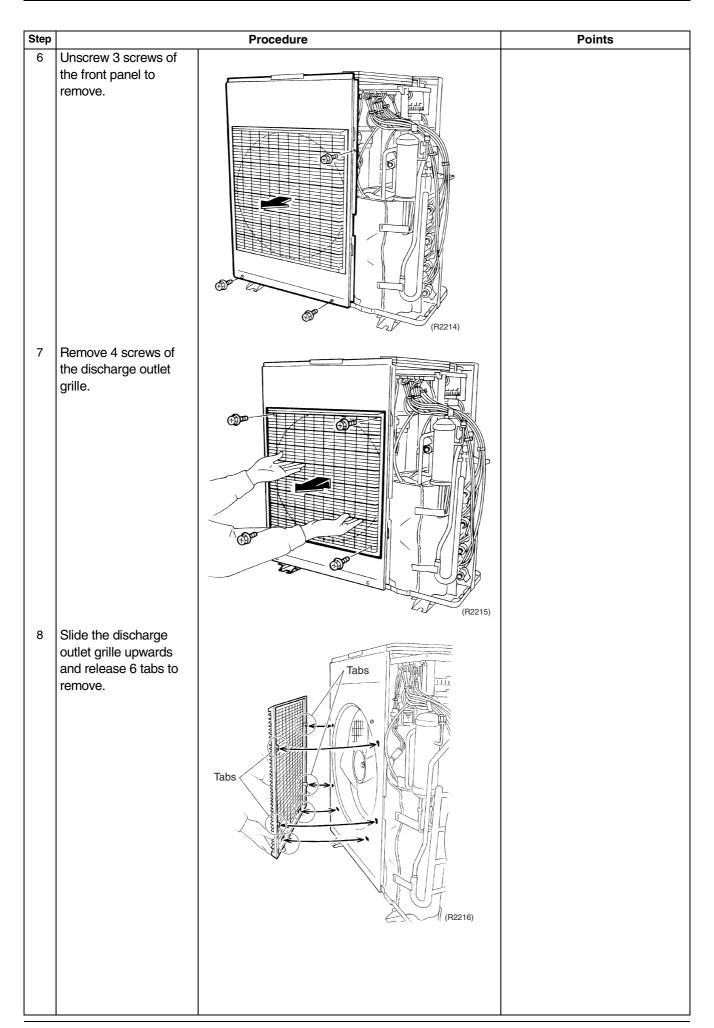
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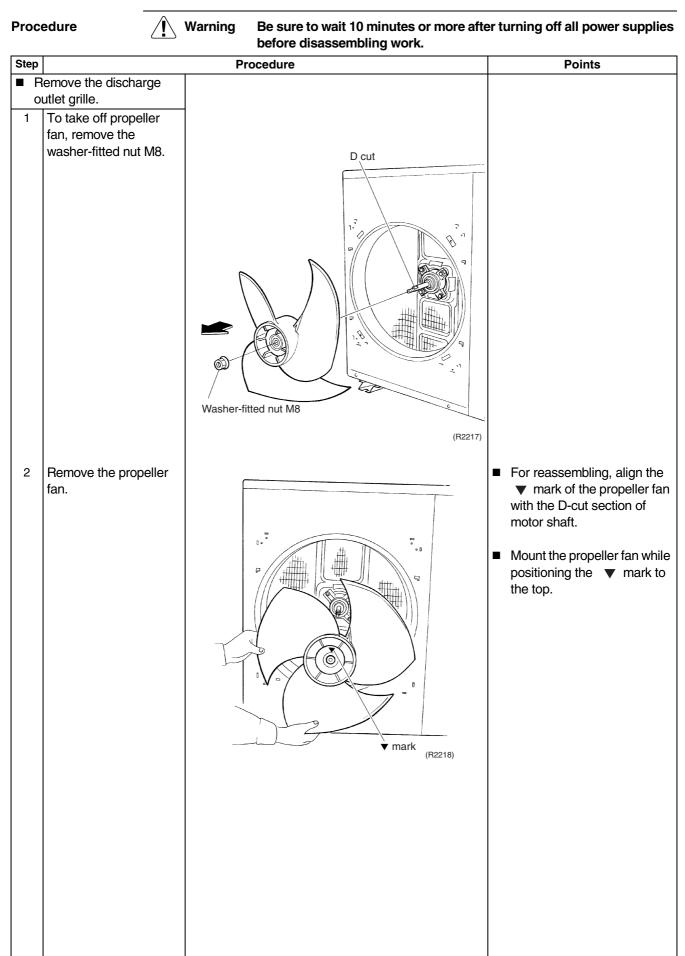
Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.







### 2. Removal of Propeller Fans

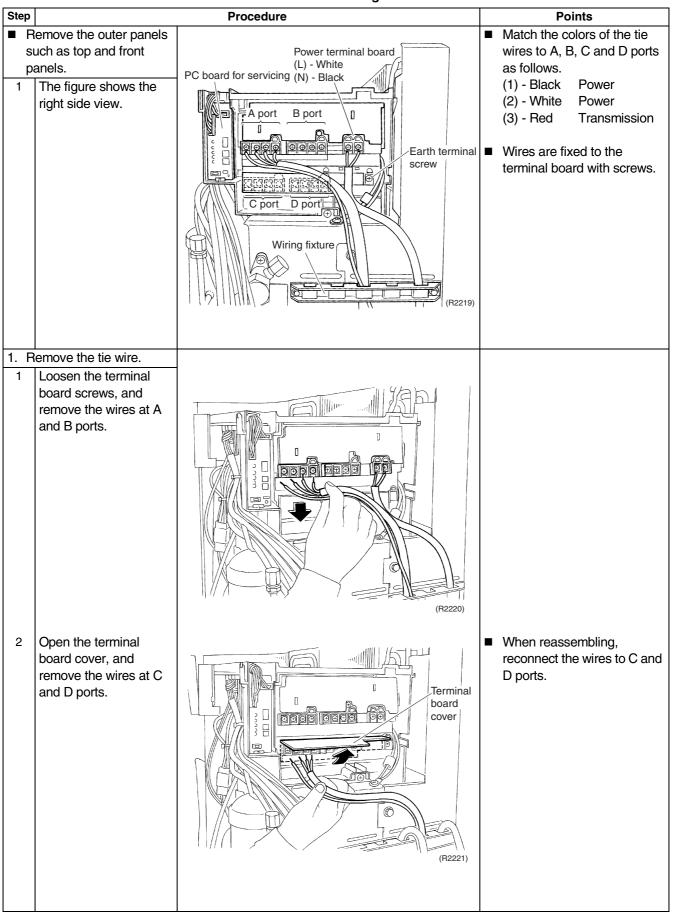


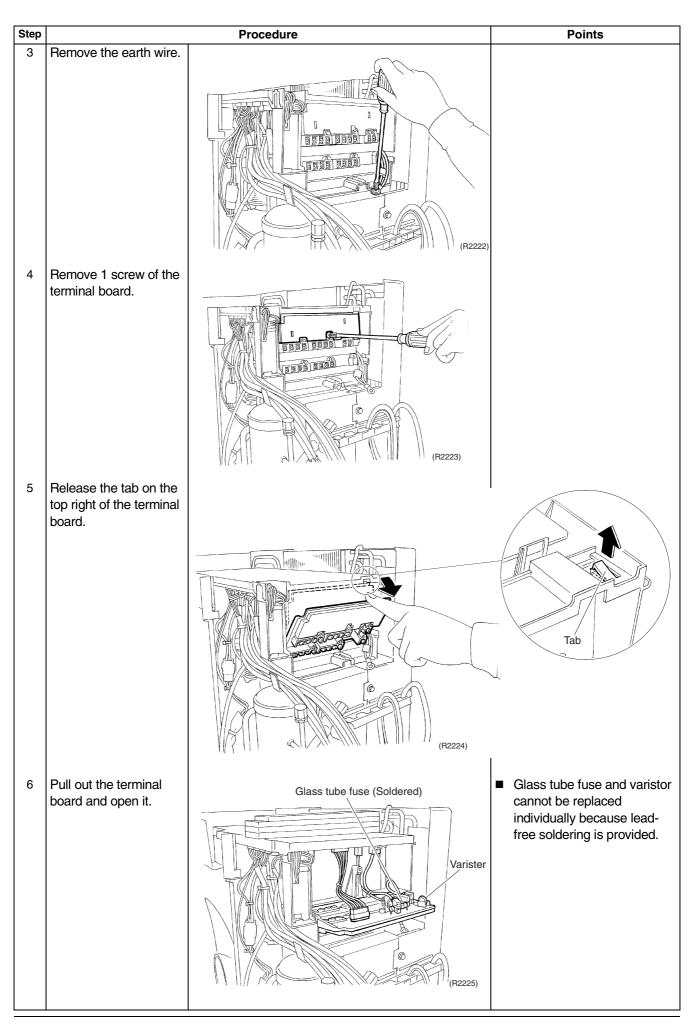
#### 3. Removal of Electrical Box

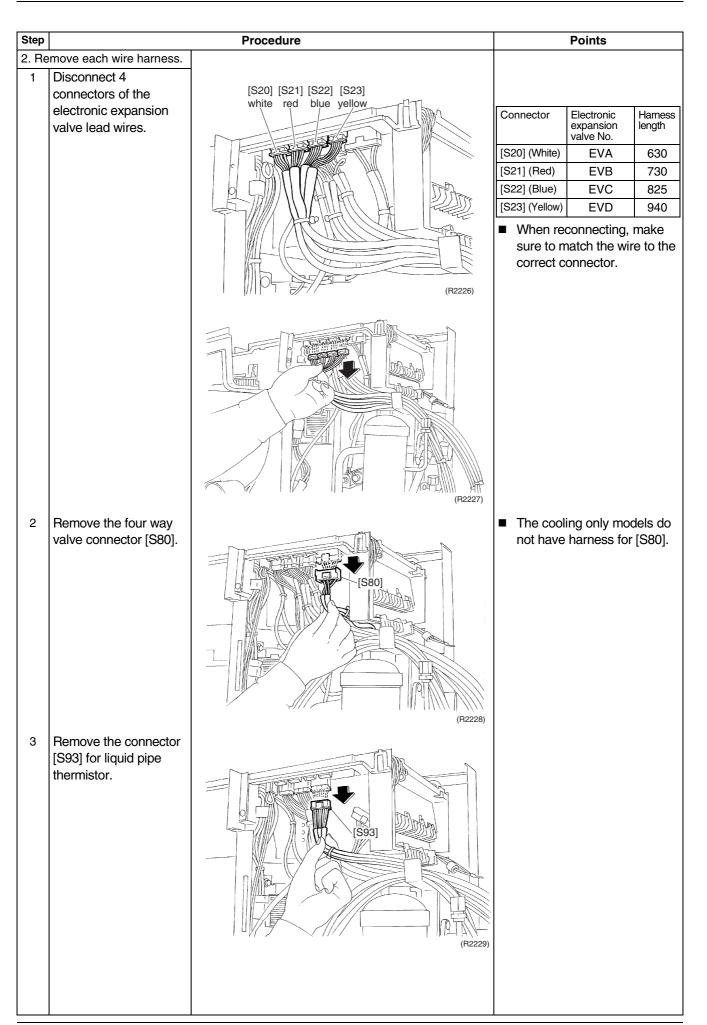
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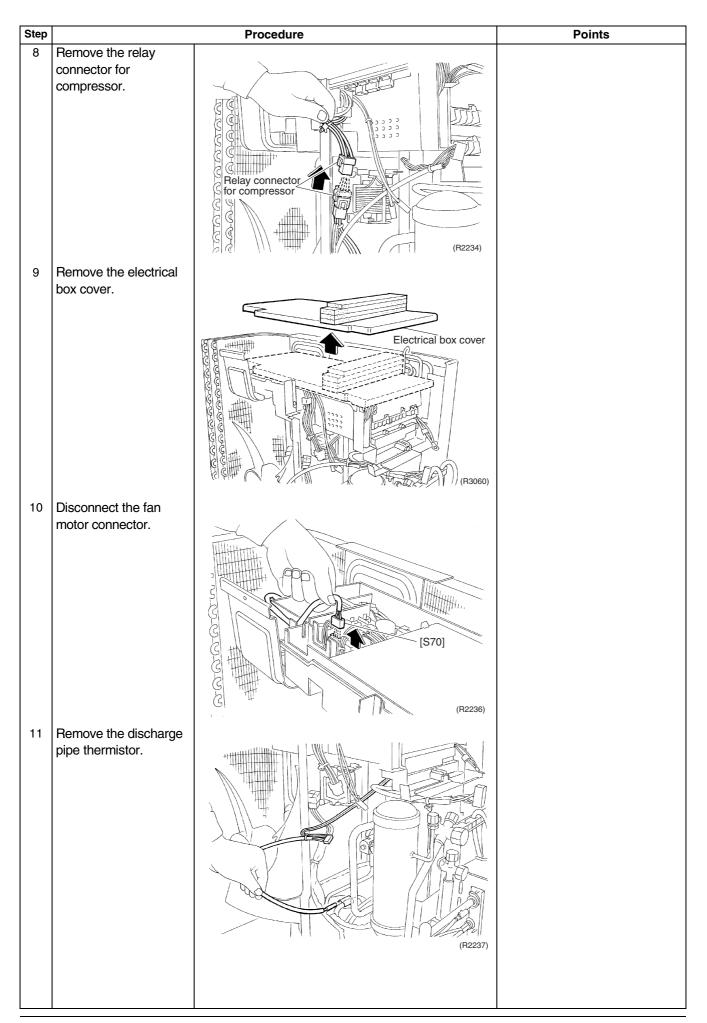
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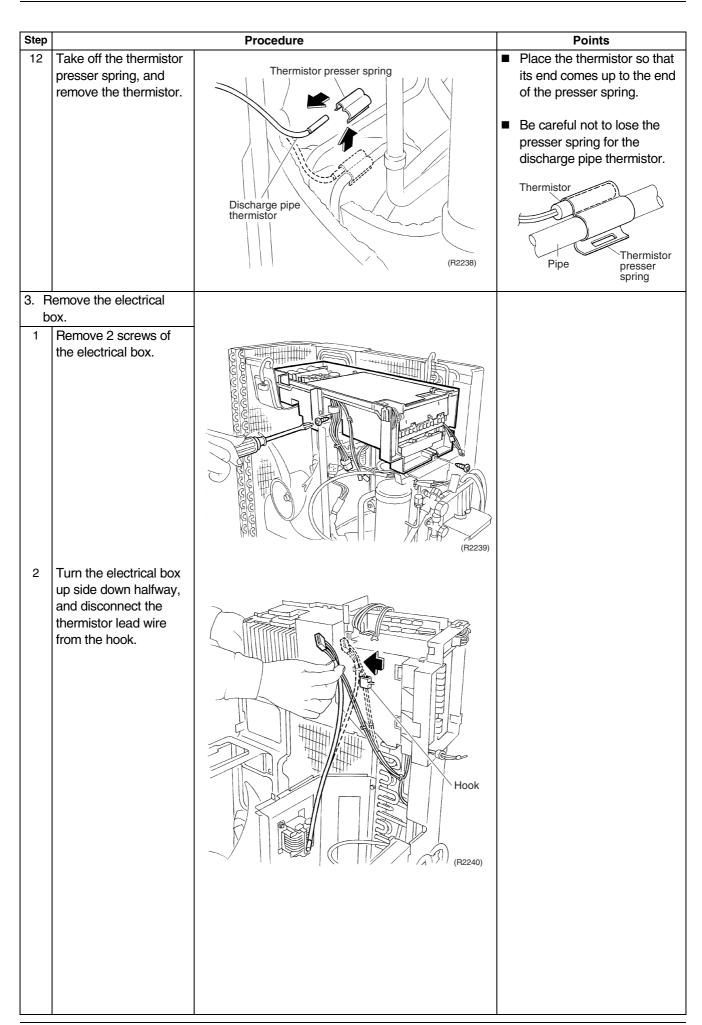


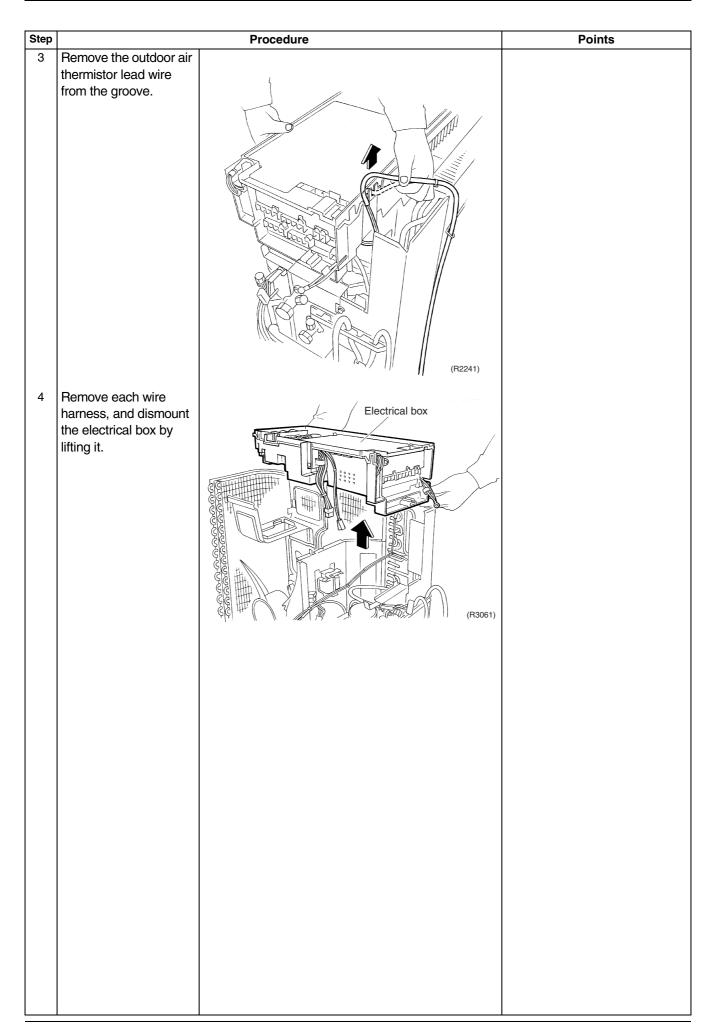




Step		Procedure	Points
4	Remove the connector [S92] for gas pipe thermistor.	Image: Second se Second second sec	
5	<ul> <li>Remove the connector</li> <li>[S90] for thermistor.</li> <li>Outdoor air thermistor (Blue)</li> <li>Discharge pipe thermistor (Black)</li> <li>Heat exchanger thermistor (Gray)</li> </ul>	(F221)	
6	Remove the overload relay connector [S40].	[S40] [S40] (F2232)	
7	Remove the reactor lead wire.	Reactor	33)





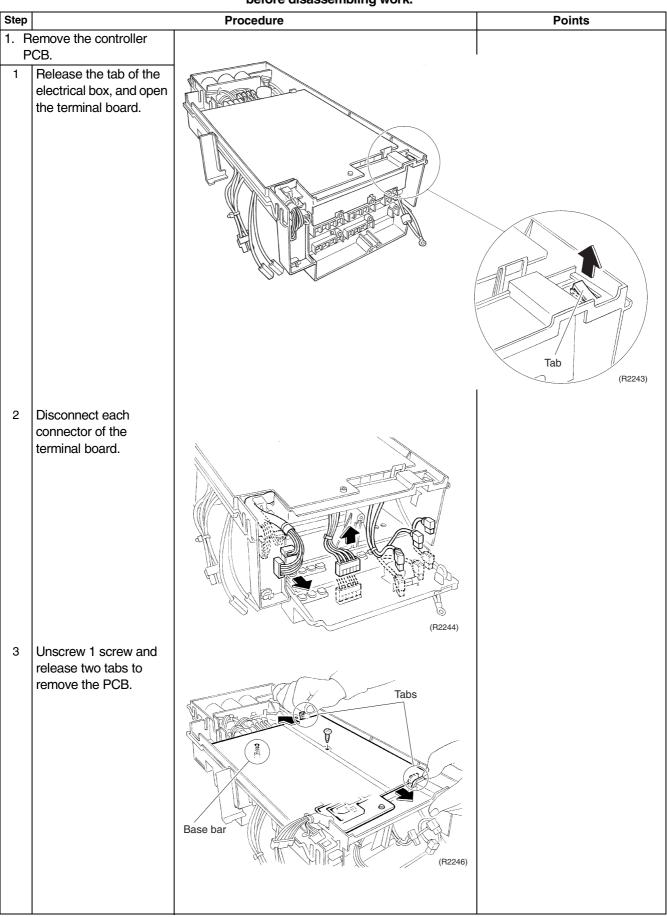


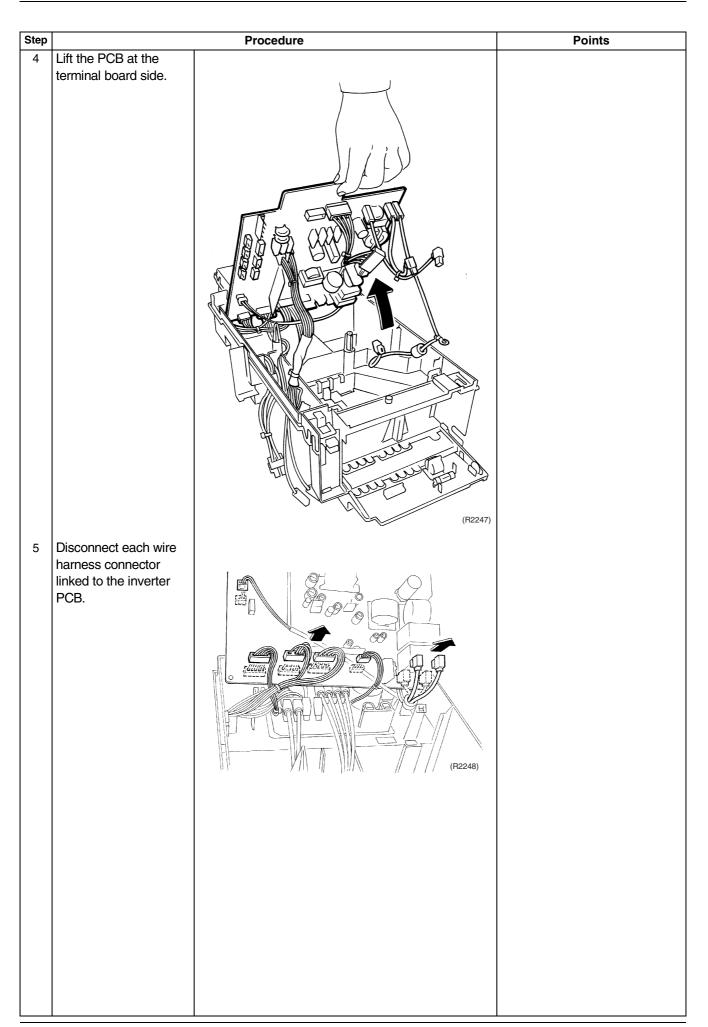
## 4. Removal of PCB

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#### Procedure

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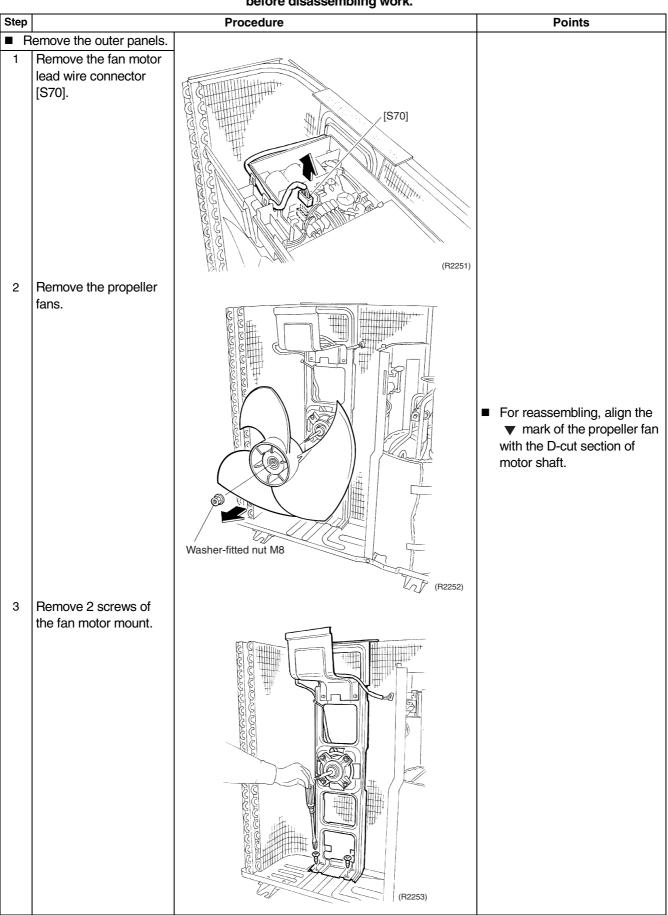


Step		Procedure	Points
Step 6	The figure shows the controller PCB.	Procedure	Points [S20]: Electronic expansion valve coil A port [S21]: Electronic expansion valve coil B port [S22]: Electronic expansion valve coil C port [S23]: Electronic expansion valve coil D port [S31]: To CN14 (Pin 9) [S32]: To CN11 (Pin 5) [S33]: To S34 (Pin 10) [S40]: Overload relay [S71]: To S72 (Pin 8) [S80]: Four way valve coil [S90]: Thermistor (Outdoor air, heat exchanger, and discharge pipe) [S92]: Gas pipe thermistor [S93]: Liquid pipe thermistor
	emove the service onitor PCB. Remove the service monitor PCB by releasing its tab.	LED A LED 1 LED 2 LED 3 LED 4 Tab Night qui	com setting (SW4) rror check (SW3) peration (SW1) et mode (SW5) ' heating mode lock (R3062)
3. R	emove the inverter PCB. Remove the 9 screws of the inverter PCB.	Fuse cover Glass tube fuse (3A)	

#### 5. Removal of Fan Motor

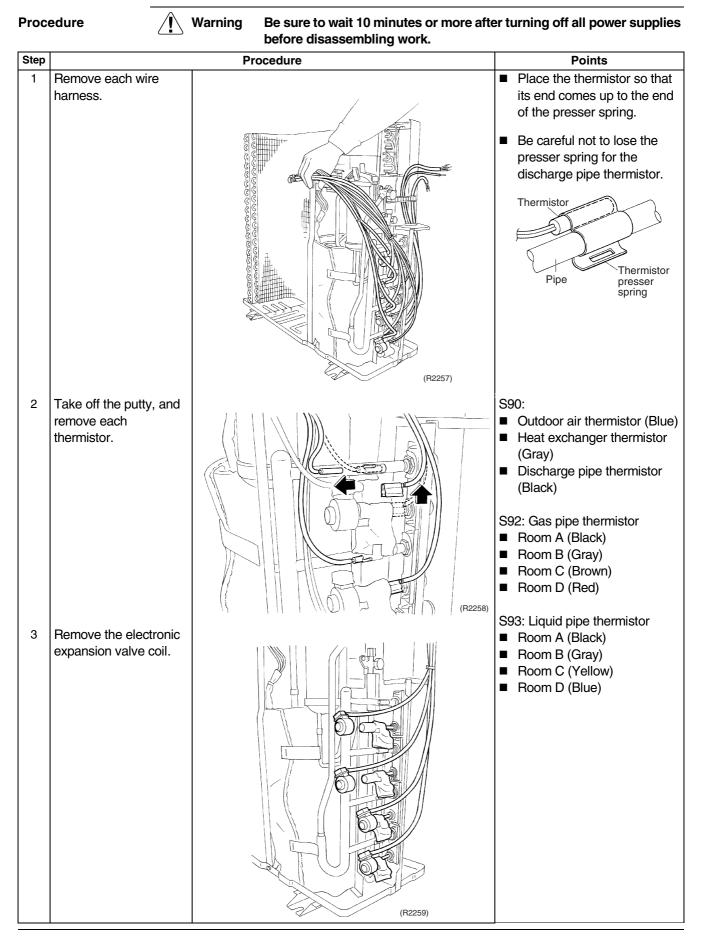


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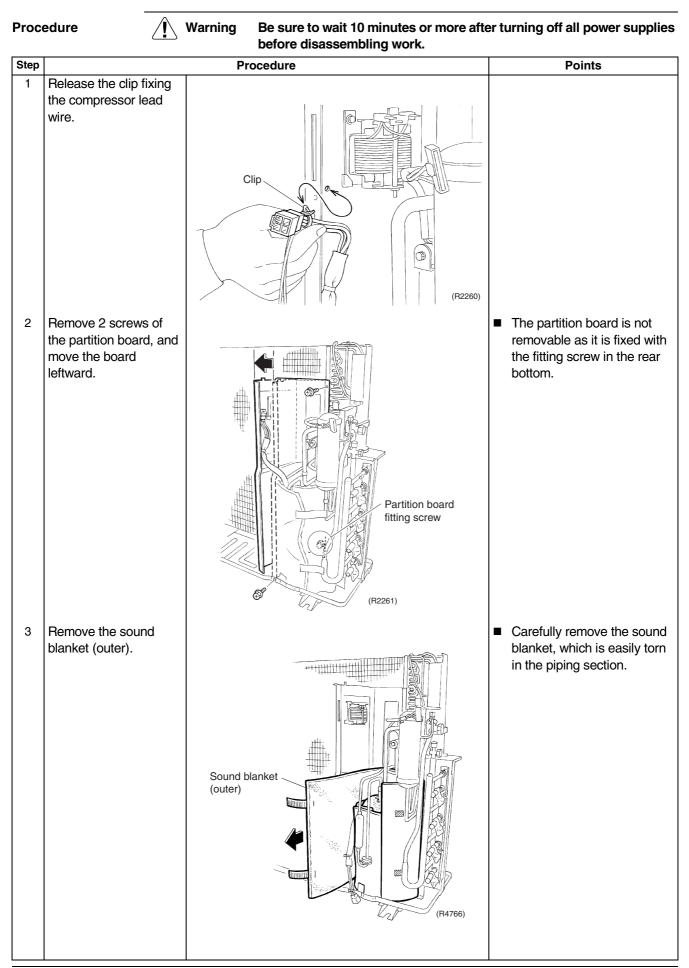


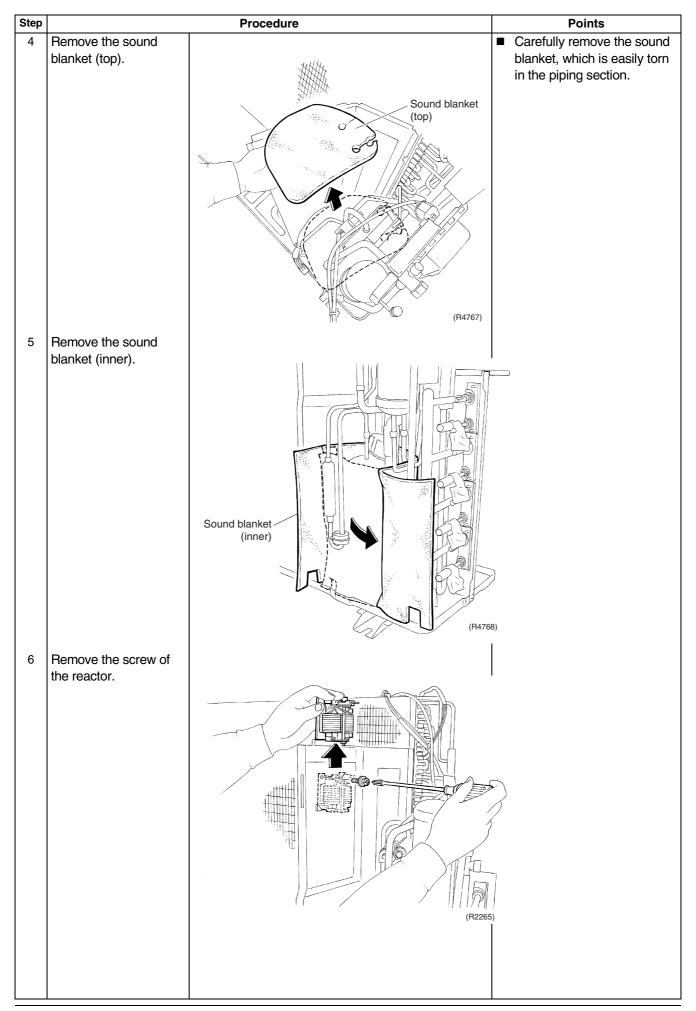
Step		Procedure	Points
4	Remove 4 screws of		
	the fan motor.	<image/>	
5	Cut the wrapper fixing the lead wire.		
		(R225)	When reassembling, fix the lead wire to avoid contact with the propeller fan.
6	Remove the fan motor.	R2250	Mount the fan motor so as to position the mark on the top.

#### 6. Removal of Electronic Expansion Valve and Thermistor



#### 7. Removal of Sound Blanket and Reactor

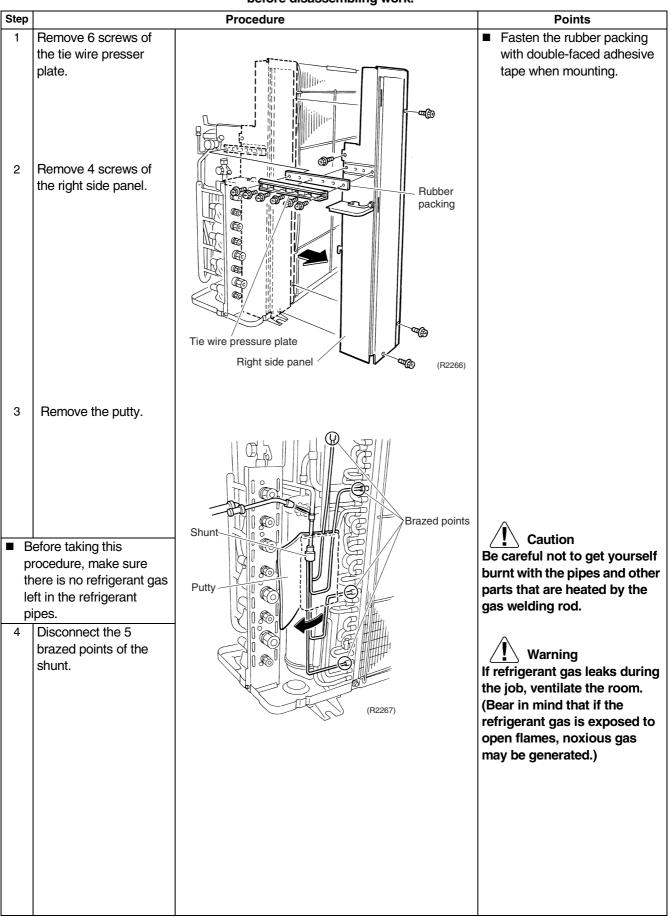




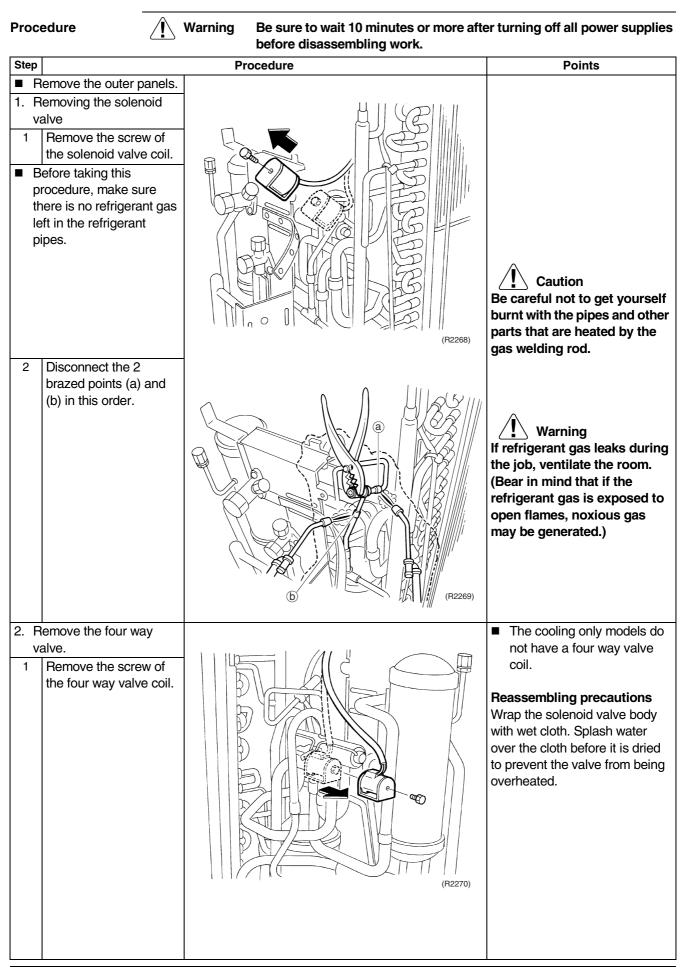
#### 8. Removal of Shunt

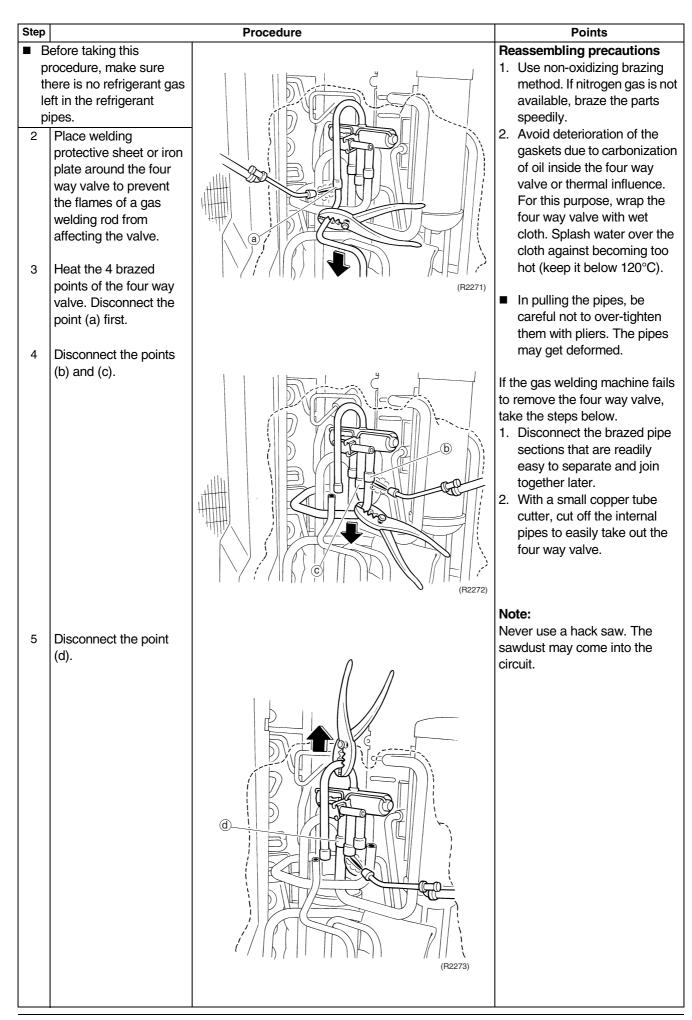


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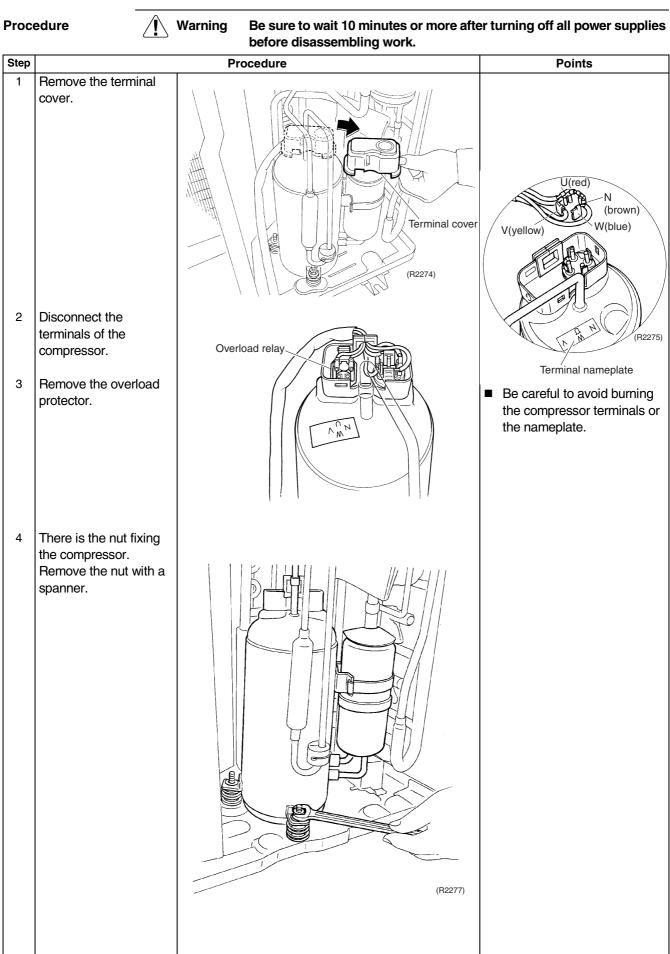


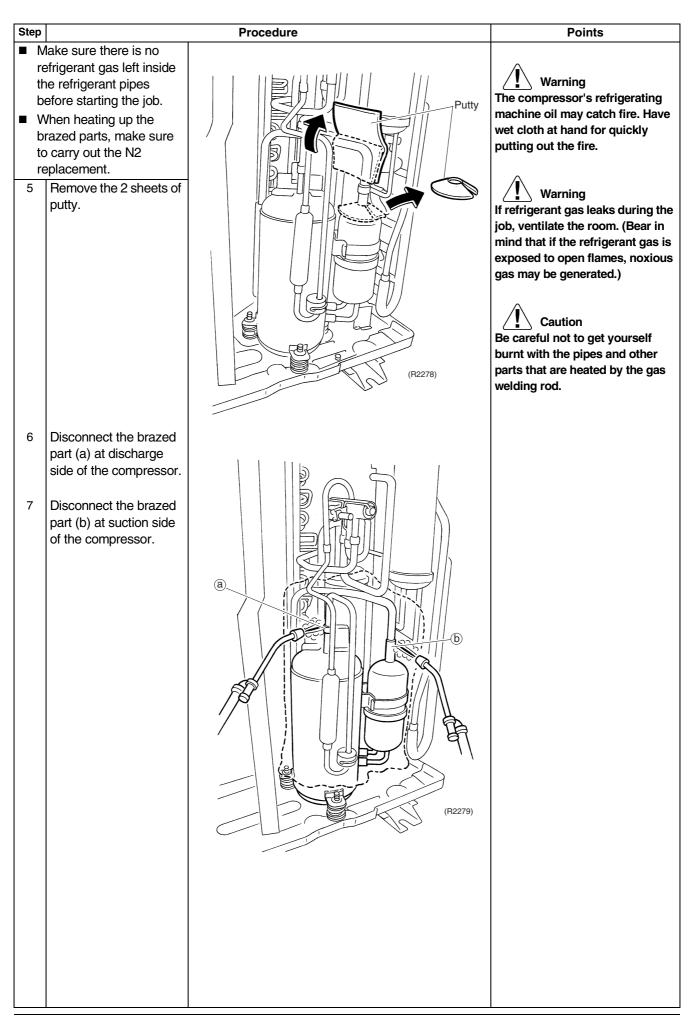
#### 9. Removal of Solenoid Valve and Four Way Valve





#### **10.Removal of Compressor**





## **Revision History**

Month / Year	Version	Revised contents
07 / 2013	Si12-796	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