

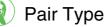
Si001408EA



## 7.1 kW Class









# Service Manual Removal Procedure

## **Outdoor Unit**

•Cooling Only RKM71PV16

RKM71QV16

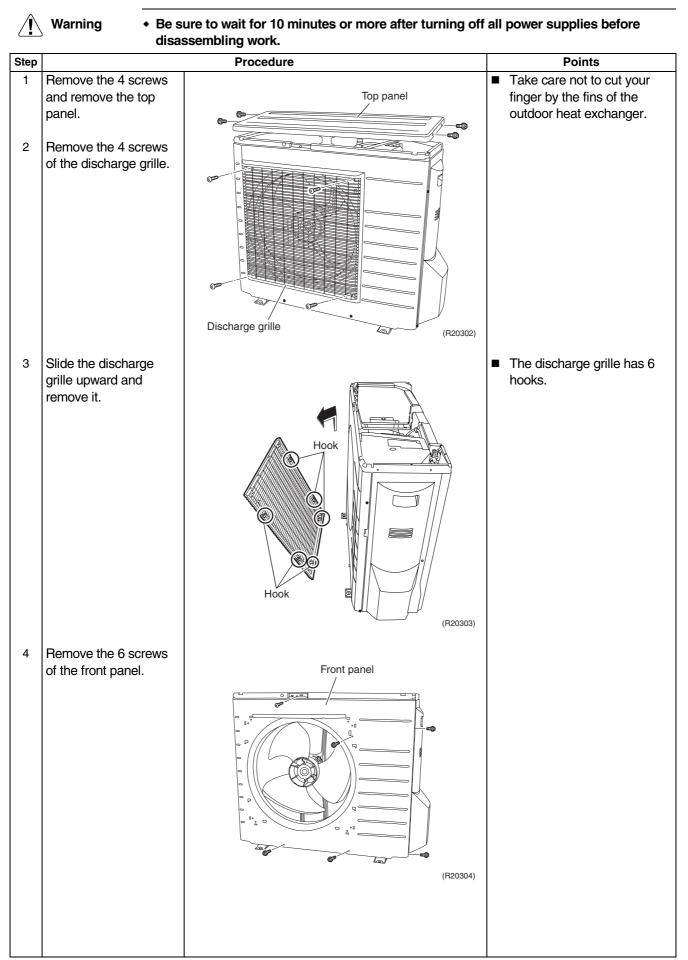
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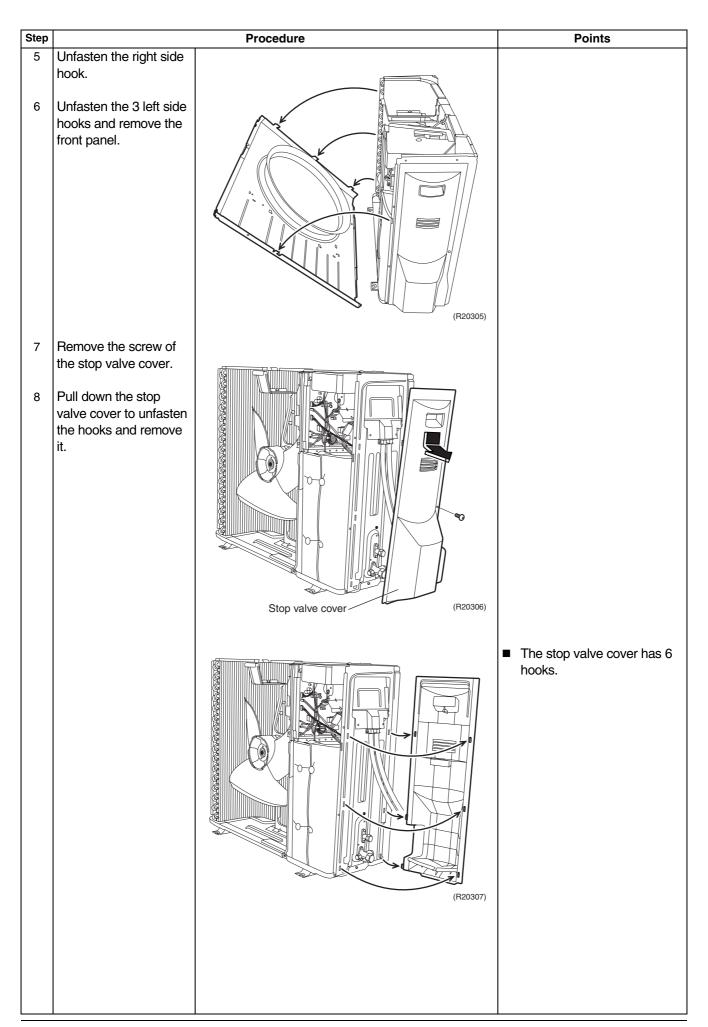
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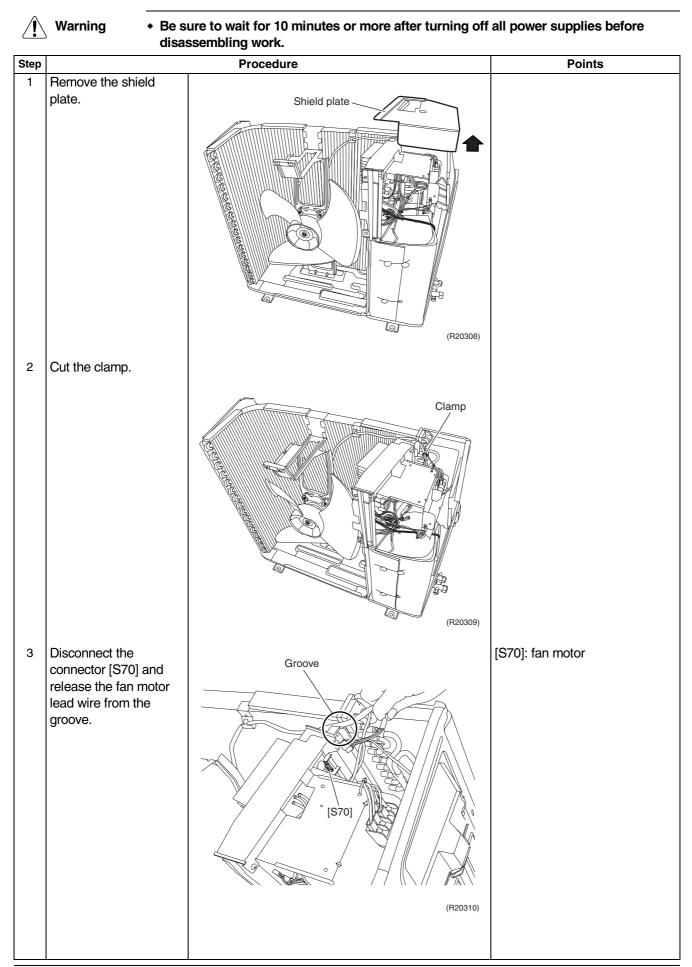
**Note:** • The illustrations may be slightly different depending on the model.

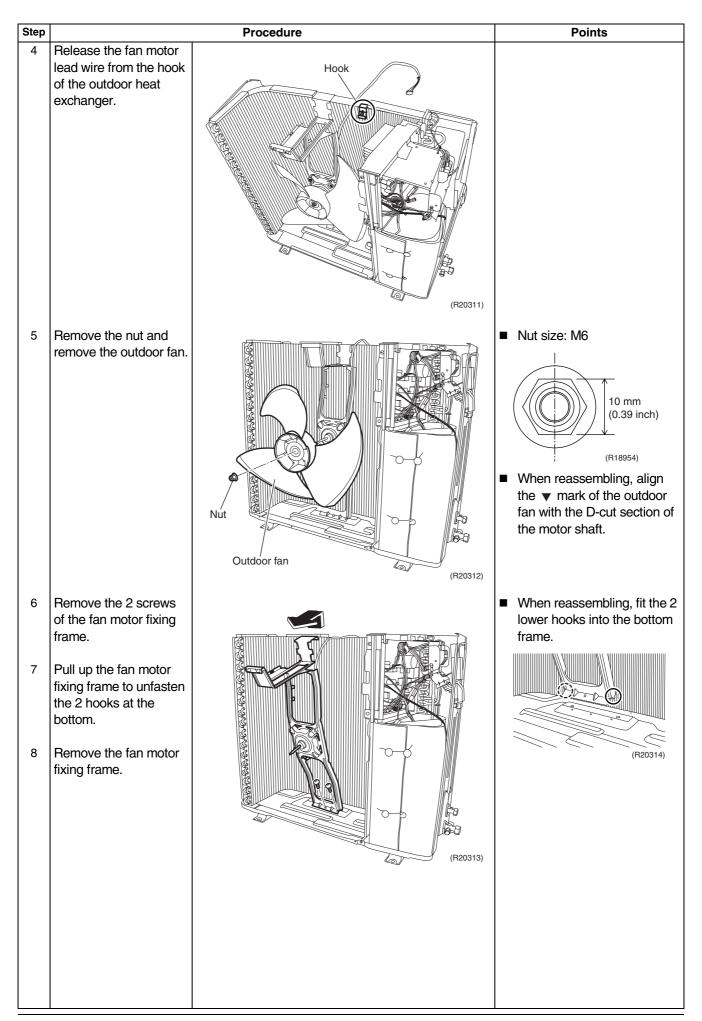
### 1. Outer Panels

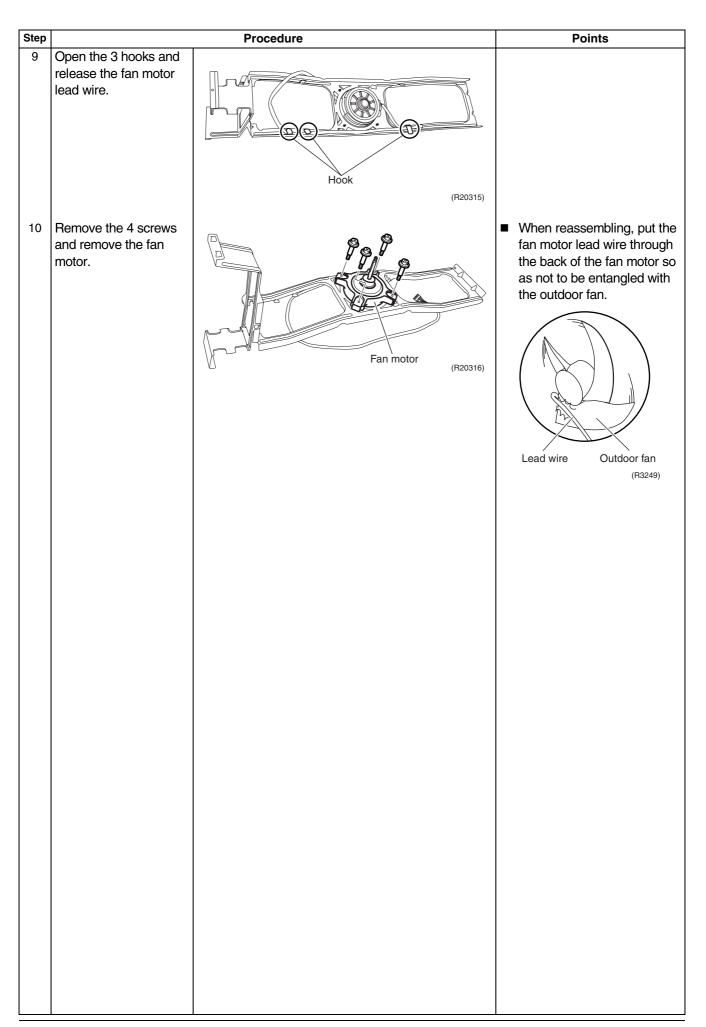




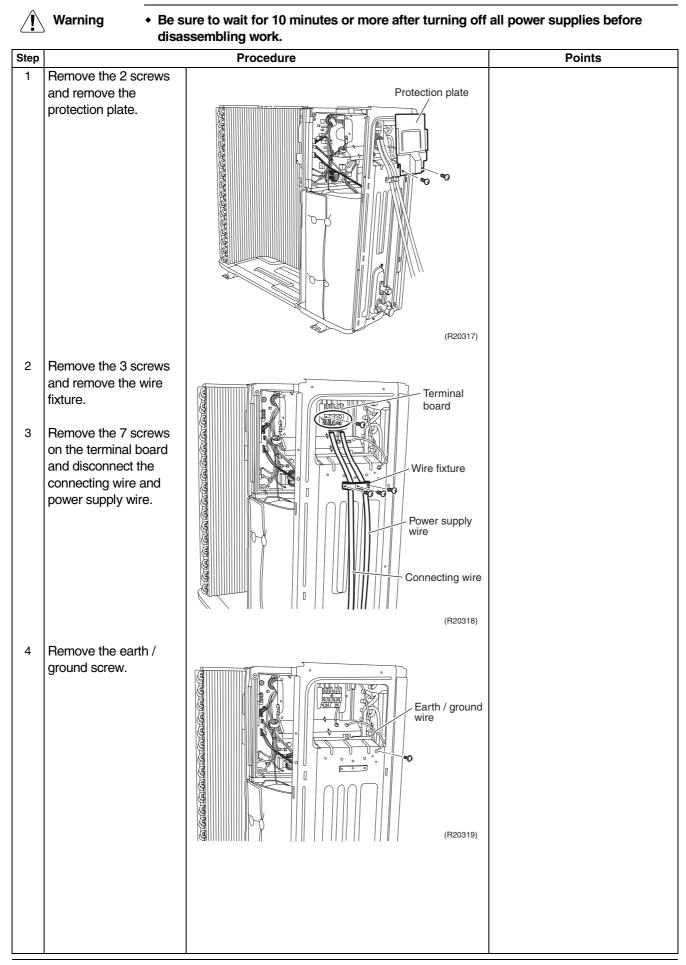
#### 2. Outdoor Fan / Fan Motor

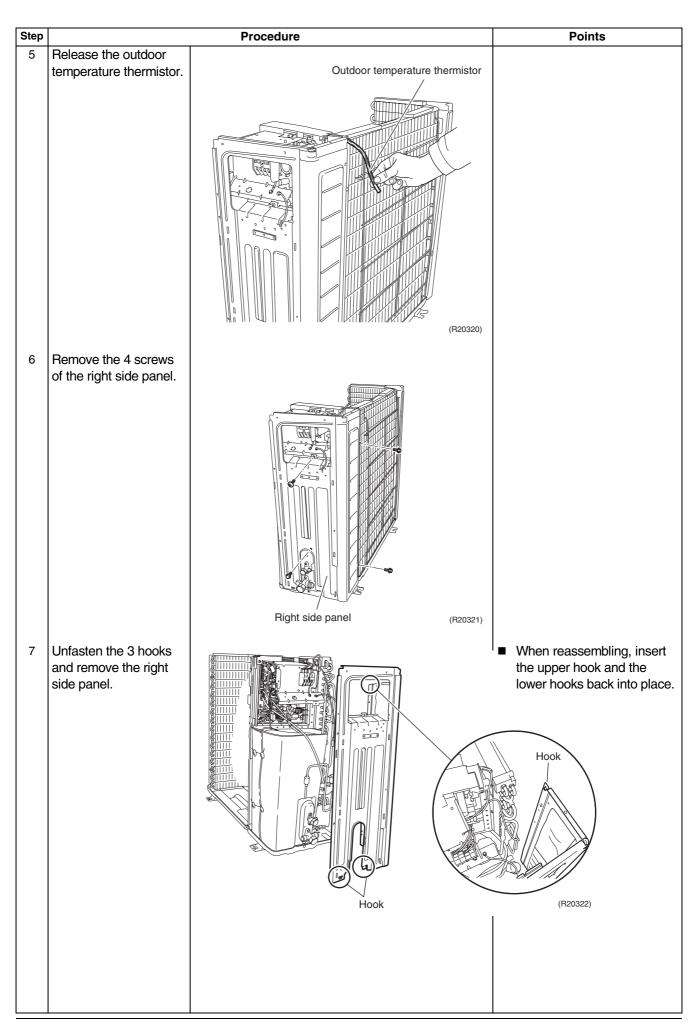


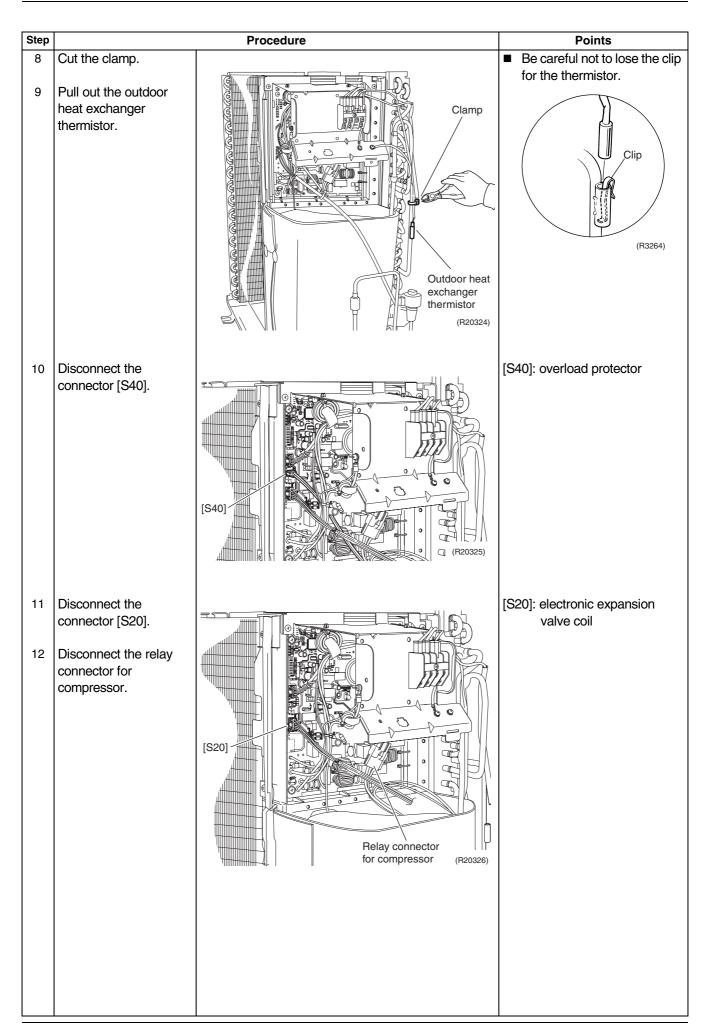


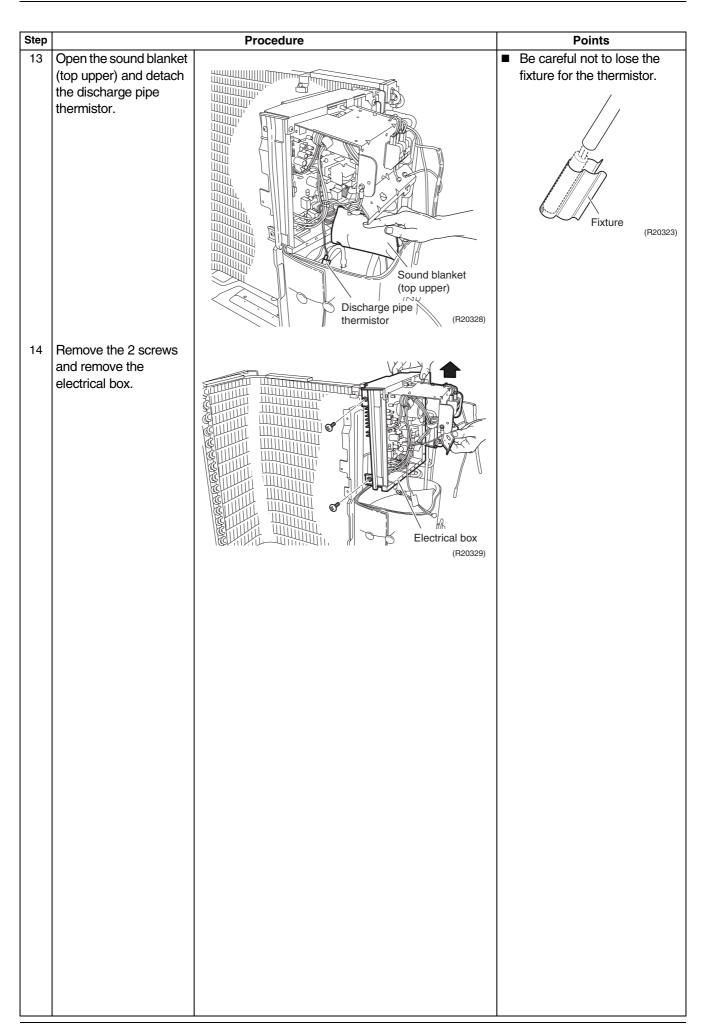


### 3. Electrical Box

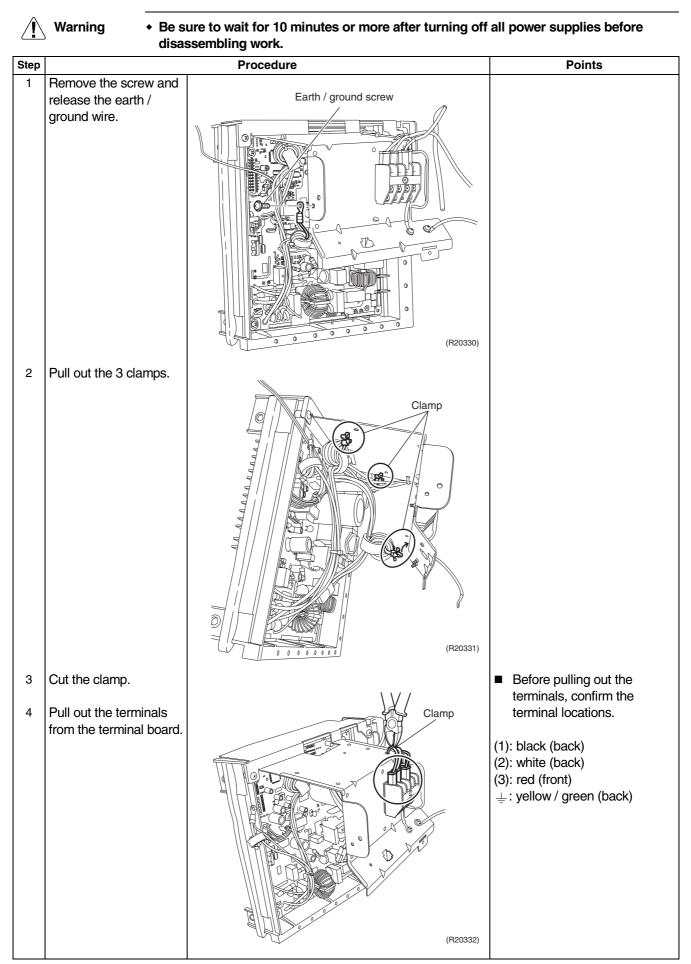


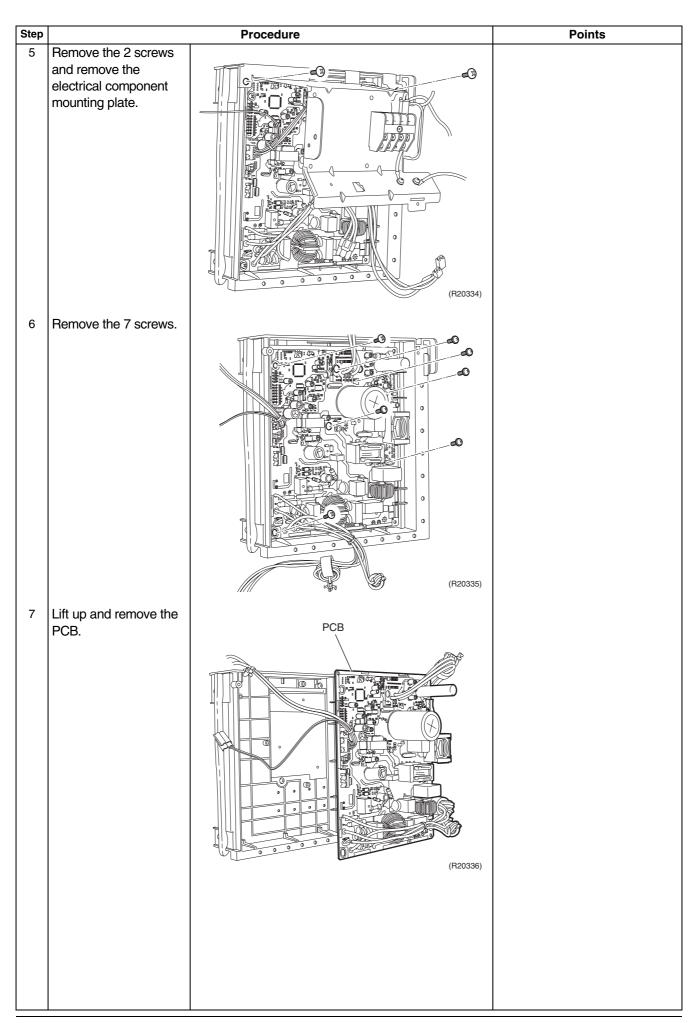




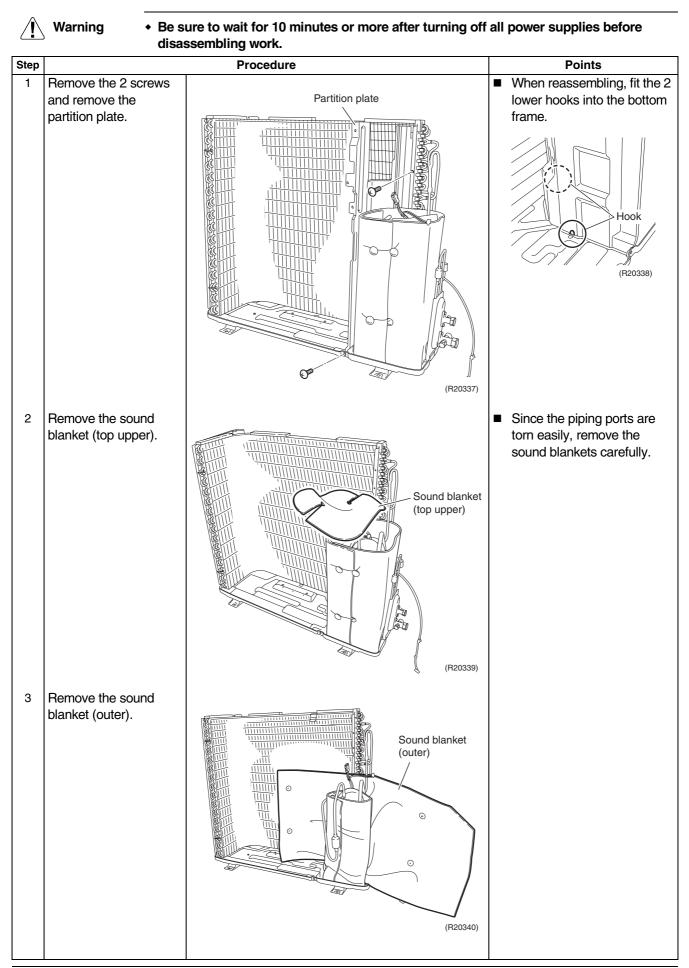


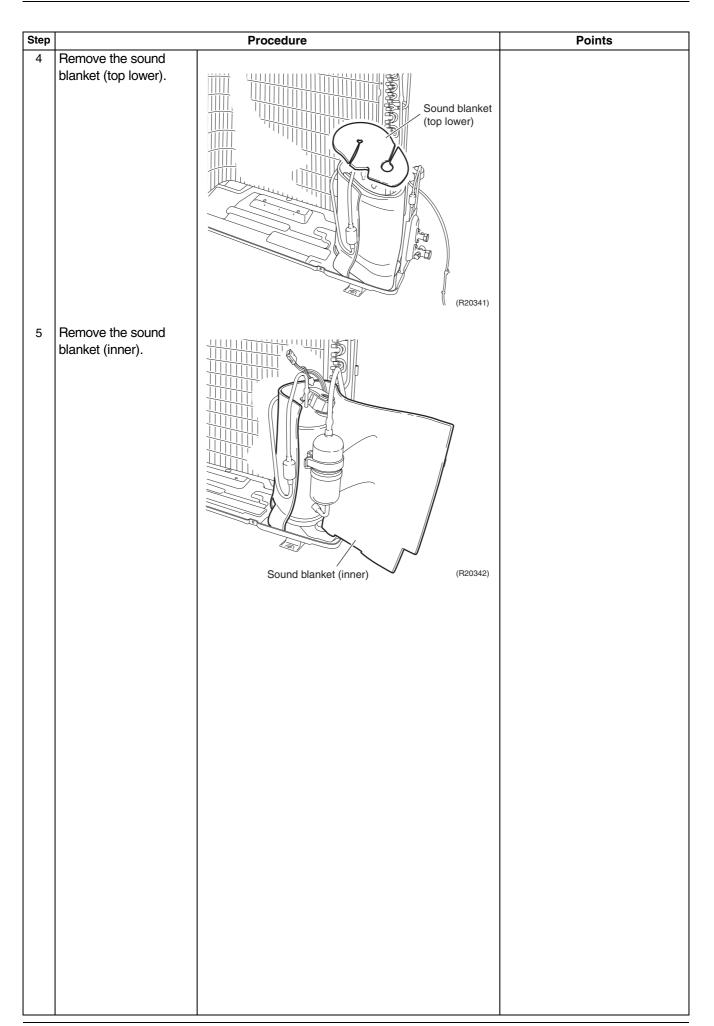
### 4. PCB





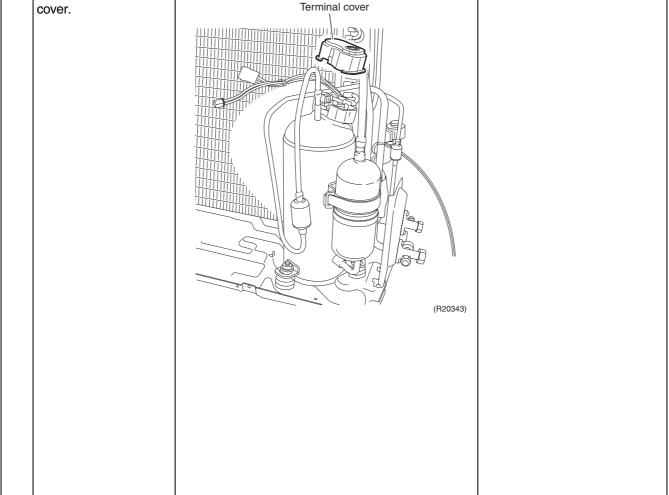
#### 5. Partition Plate / Sound Blankets

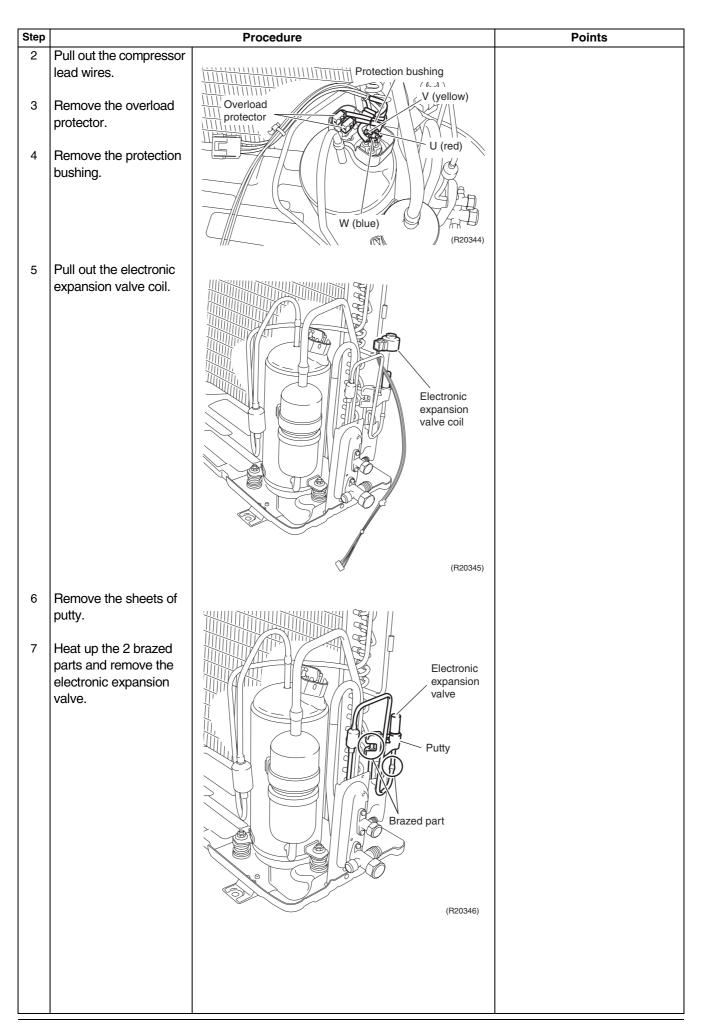




## 6. Electronic Expansion Valve

<u>`</u> w	disa: • Be c the g • If the	ure to wait for 10 minutes or more after turning off ssembling work. areful not to get yourself burnt with the pipes and gas brazing machine. e refrigerant gas leaks during work, ventilate the ro osed to flames, toxic gas may be generated.)	other parts that are heated by		
<u>∕</u> Ca	gasi	<ul> <li>From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.</li> <li>Restore the piping by non-oxidation brazing.</li> </ul>			
<b>N</b>	<ul> <li>Be s</li> <li>Do n the c</li> <li>Whe may</li> <li>Prov perip</li> <li>Be c heat</li> <li>In ca 1. D</li> </ul>	<ul> <li>Before working, make sure that the refrigerant gas is empty in the circuit.</li> <li>Be sure to apply nitrogen replacement when heating up the brazed part.</li> <li>Do not use a metal saw for cutting pipes by all means because the sawdust comes into the circuit.</li> <li>When withdrawing the pipes, be careful not to pinch them firmly with pliers. The pipes may get deformed.</li> <li>Provide a protective sheet or a steel plate so that the brazing flame cannot influence peripheries.</li> <li>Be careful so as not to burn the compressor terminals, the name plate, the outdoor heat exchanger fin.</li> <li>In case of difficulty with gas brazing machine <ol> <li>Disconnect the brazed part where is easy to disconnect and restore.</li> <li>Cut pipes on the main unit with a tube cutter in order to make it easy to disconnect.</li> </ol> </li> </ul>			
Step		Procedure	Points		
1 Rei cov	move the terminal rer.	Terminal cover			





#### 7. Compressor Warning · Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work. · Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine. + If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.) Since it may happen that the refrigerant oil in the compressor catches fire, prepare wet cloth so as to extinguish fire immediately. 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. Restore the piping by non-oxidation brazing. Before working, make sure that the refrigerant gas is empty in the circuit. Note Be sure to apply nitrogen replacement when heating up the brazed part. Do not use a metal saw for cutting pipes by all means because the sawdust comes into 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 outdoor heat exchanger fin. · 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.

Step		Procedure	Points
	Remove the terminal cover.	remain con-	

#### **Removal Procedure**

#### Compressor

Step		Procedure	Points
2	Pull out the compressor lead wires.		
3	Remove the overload protector.	V (yellow)	
4	Remove the protection bushing.	W (blue) (R20344)	
5	Heat up the brazed part of the discharge side pipe and disconnect it.	Brazed part of discharge side pipe	
6	Heat up the brazed part of the suction side pipe and disconnect it.	Brazed part of suction side pipe	
7	Remove the 3 nuts.	Compressor	
8	Lift up the compressor and remove it.		
		Nut (R20347)	

## **Revision History**

Month / Yea	r Version	Revised contents
05 / 2014	Si001408E	First edition
04 / 2015	Si001408EA	Model addition: RKM71QV16



- 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

 Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
 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/products/ac/

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