

Si001422E

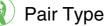


7.1 kW Class



Outdoor Unit







Service Manual Removal Procedure

Outdoor Unit

•Cooling Only RKM71PVMA •Heat Pump RXM71PVMA

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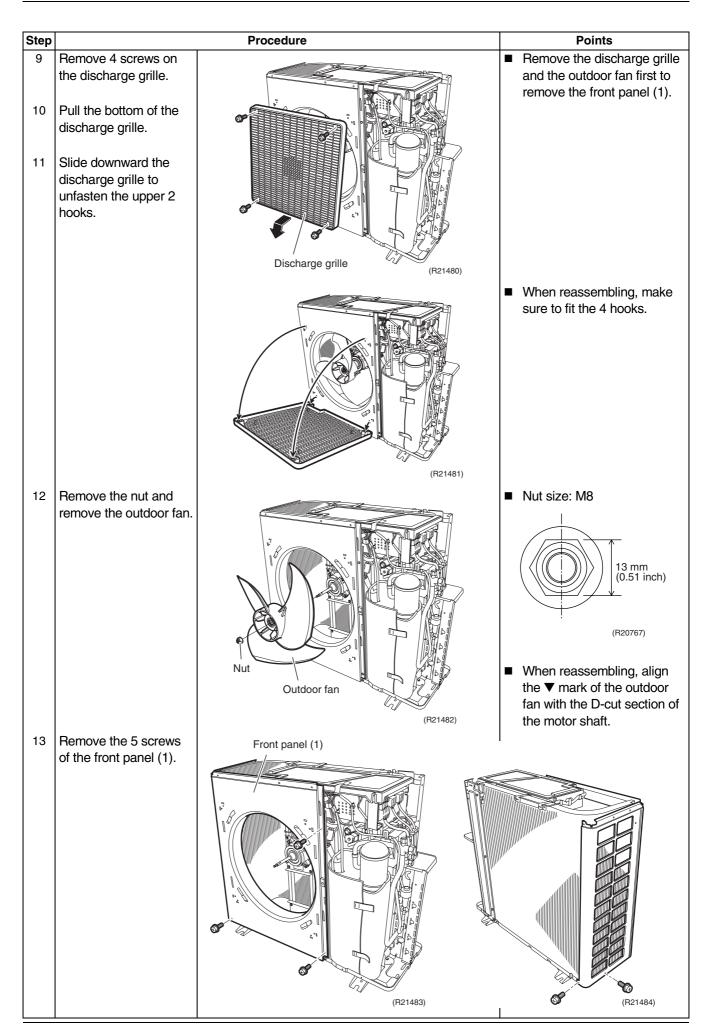
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	Electrical Box PCB Fan Motor Coils / Thermistor ASSY Sound Blankets



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

1. Outer Panels /!\ Warning • Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work. Step Procedure Points Unfasten the 2 hooks 1 Hook on the bottom of the suction grille. 2 Slide downward the suction grille to unfasten the upper 3 Suction hooks. grille Hook (R21473) Remove the suction 3 grille. (R21474) 4 Remove the 8 screws Top panel and remove the top panel. b Ci (R21475)

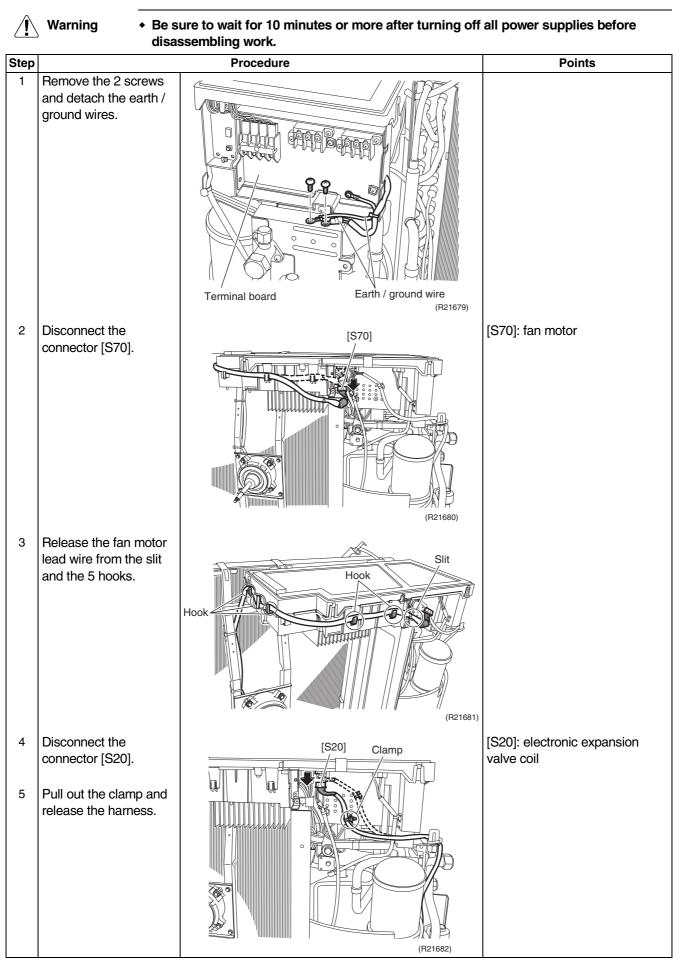
Step		Procedure	Points
5	Remove the 5 screws	Front panel (2)	
6	of the front panel (2). Slide downward the front panel (2) to unfasten the hook.	(R21476)	
		(B21477)	When reassembling, make sure to fit the hook.
7	Remove the 2 screws	Right side panel	
	of the right side panel.		
8	Slide down the right side panel and remove it.	(B21476)	
		(B21479)	When reassembling, make sure to fit the 2 hooks.

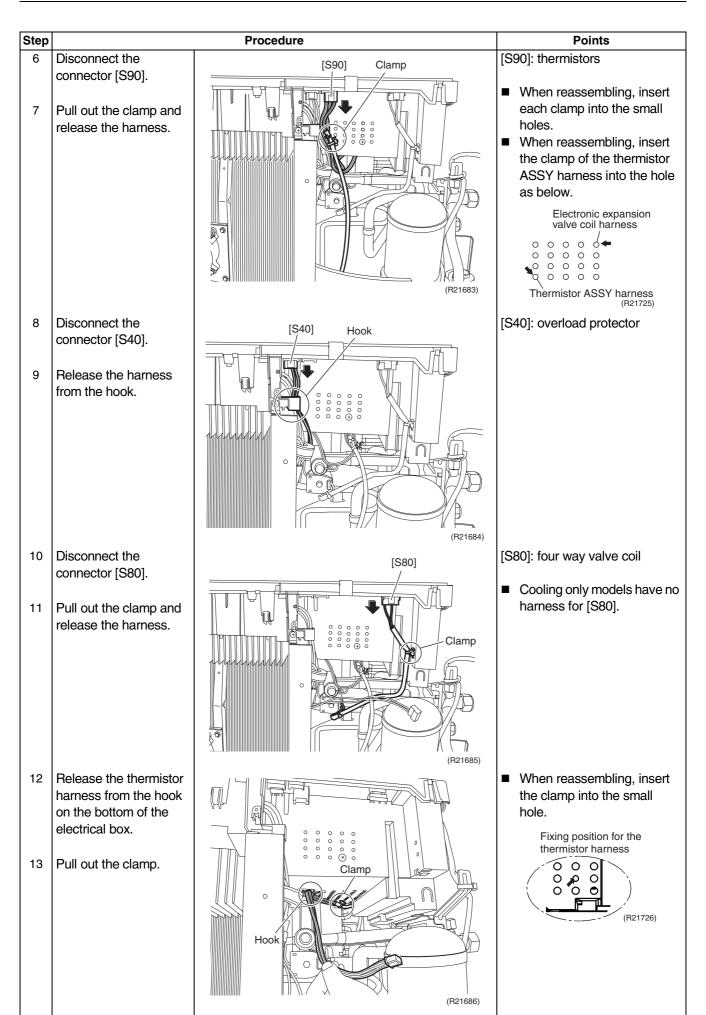


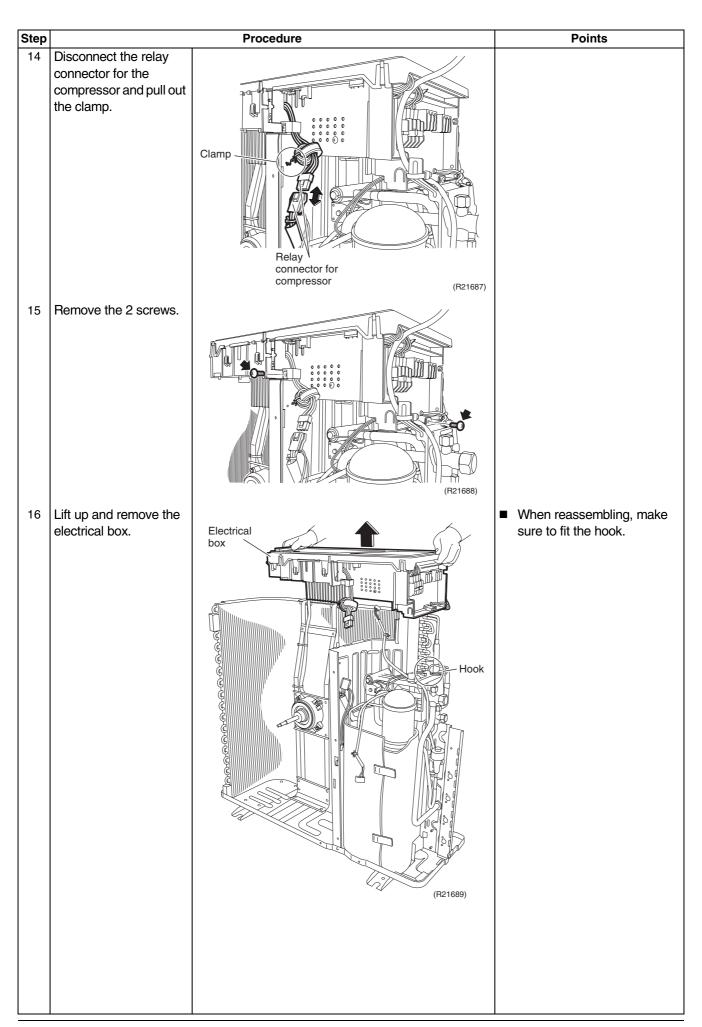
Step		Procedure	Points
	Lift up the front panel (1) to unfasten the hook.		
15	Remove the front panel (1).	(P21485)	
16	Remove the screw of the partition plate (2).		
17	Slide the partition plate (2) to the left and lift up to remove it.	Partition plate (2) (821486)	
18	Remove the 3 screws	(R21486)	
	and remove the wire fixture.	Wire fixture (F21487)	
19	Remove the 11 screws on the terminal boards and release the demand		 In case that the demand adaptor is attached optionally, remove the
	communication wire, connecting wire, power supply wire.	Demand communication Connecting Power supply	demand adaptor first.
		wire wire (R21488)	

Step		Procedure	Points
20	Detach the outdoor temperature thermistor holder.	Outdoor temperature thermistor holder	
		(F2149)	
21	Release the thermistor harness from the slit.		
		Slit	
22	Remove the 5 screws	(R21676)	
	and remove the rear panel.	Rear panel	
			When reassembling, make sure to fit the 2 hooks.
		(R21678)	

2. Electrical Box

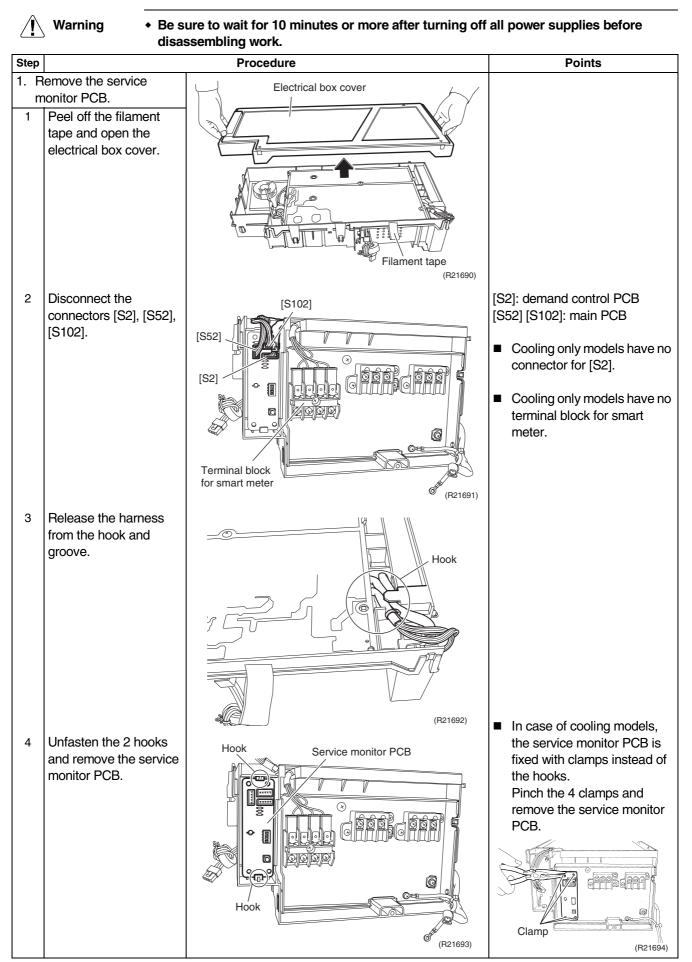


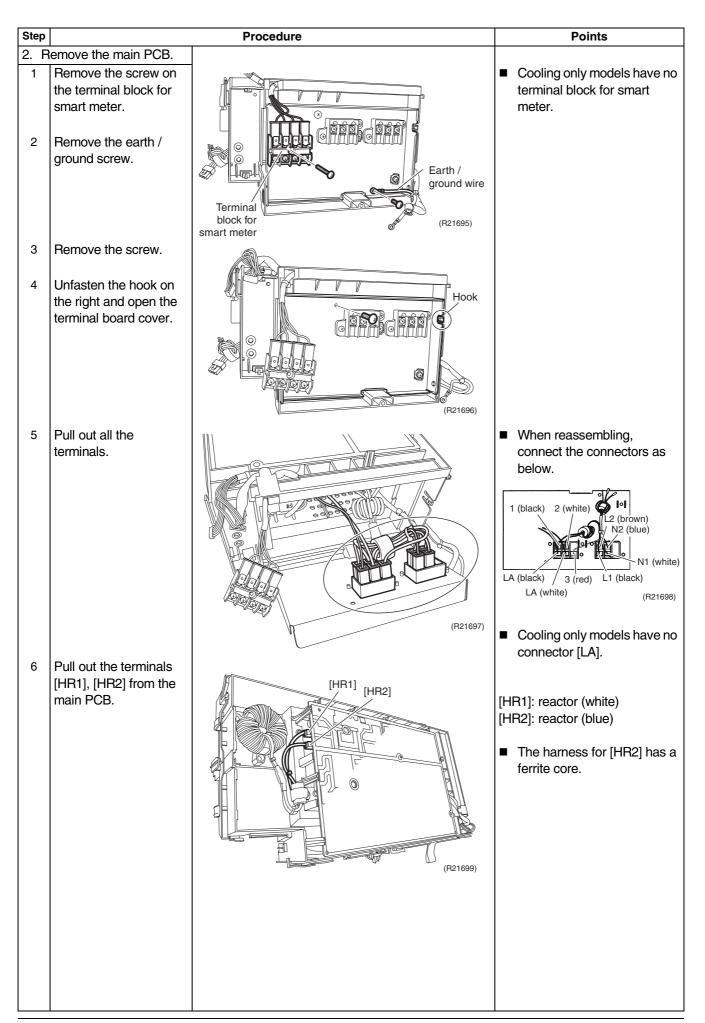




3. PCB

PCB

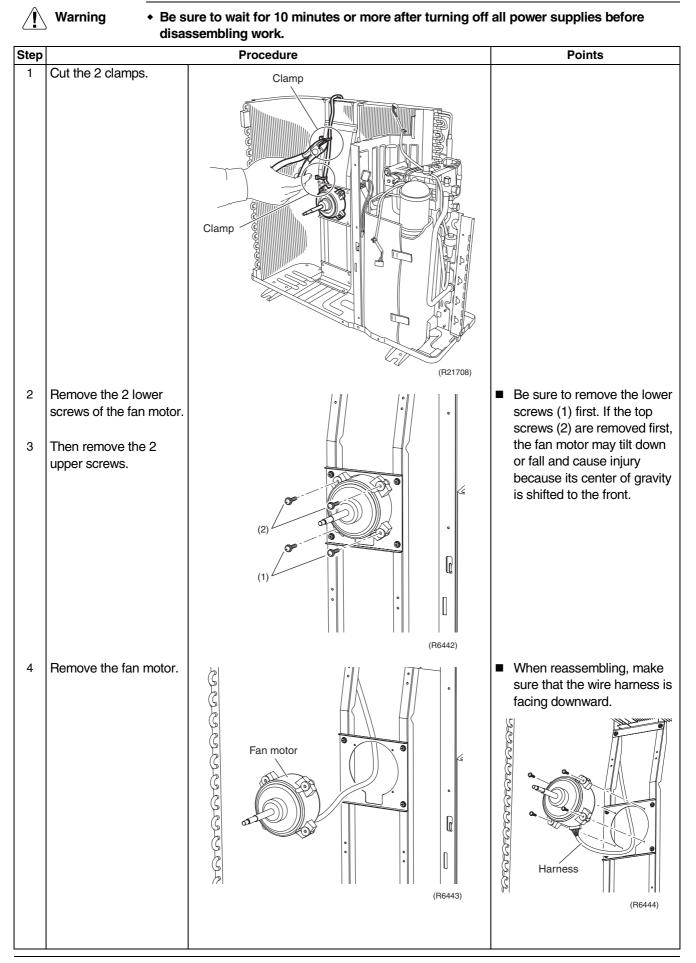




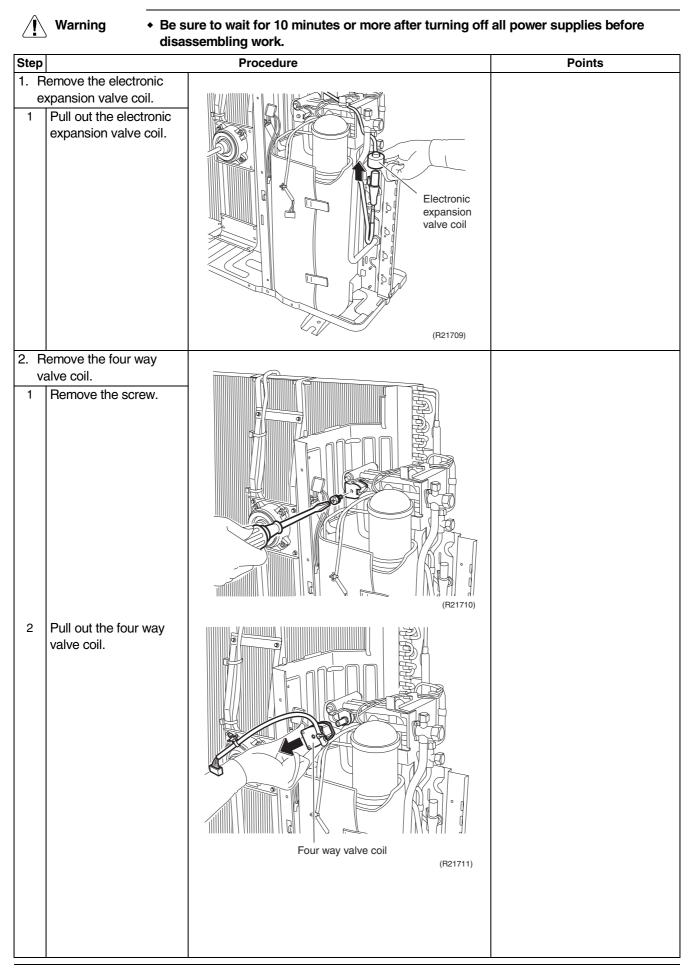
Step		Procedure	Points
	Remove the 3 screws and unfasten the 4 hooks.	Hook (B21700)	
8	Lift up and remove the main PCB.	Main PCB Operation of the second se	
3. R 1	emove the reactor. Remove the 4 screws.		
		(R21702)	
2	Remove the reactor.	Reactor Image: Construction of the state of	

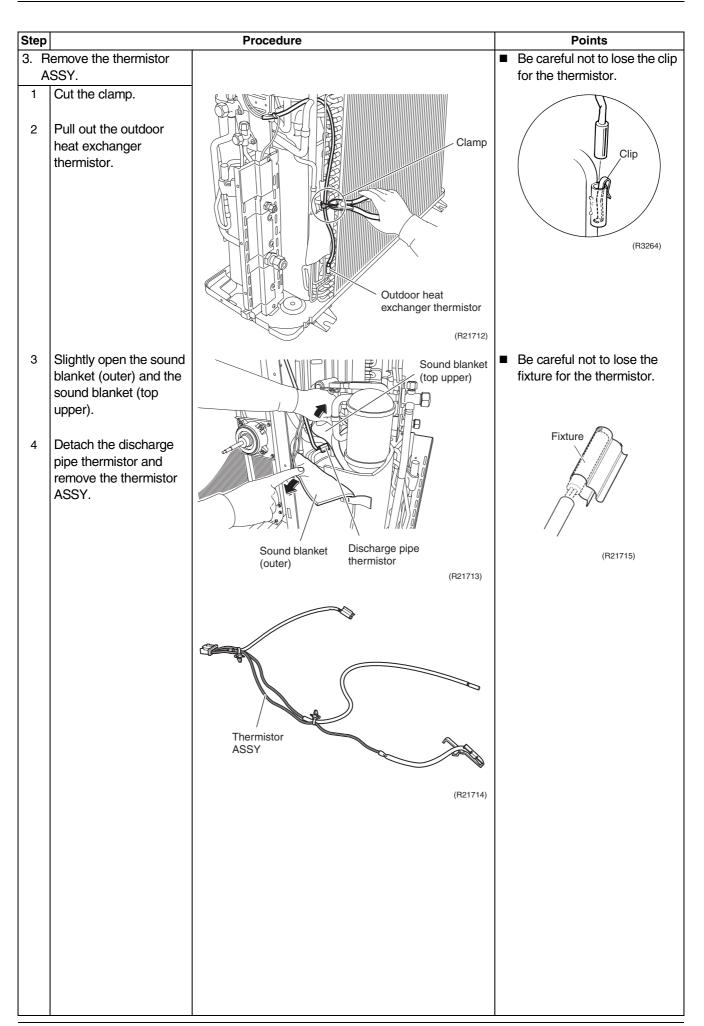
Step		Procedure	Points
	lemove the demand ontrol PCB.		Some models have no demand controller.
1	Remove the 2 screws.	(B21704)	
2	Lift up and remove the demand control unit.	Demand control unit	
		(R21705)	
3	Unfasten the 2 hooks and open the cover.	Cover	
		(P21706)	
4	Remove the screw.		
5	Unfasten the hook and remove the demand control PCB.	Demand control PCB Hook	

4. Fan Motor



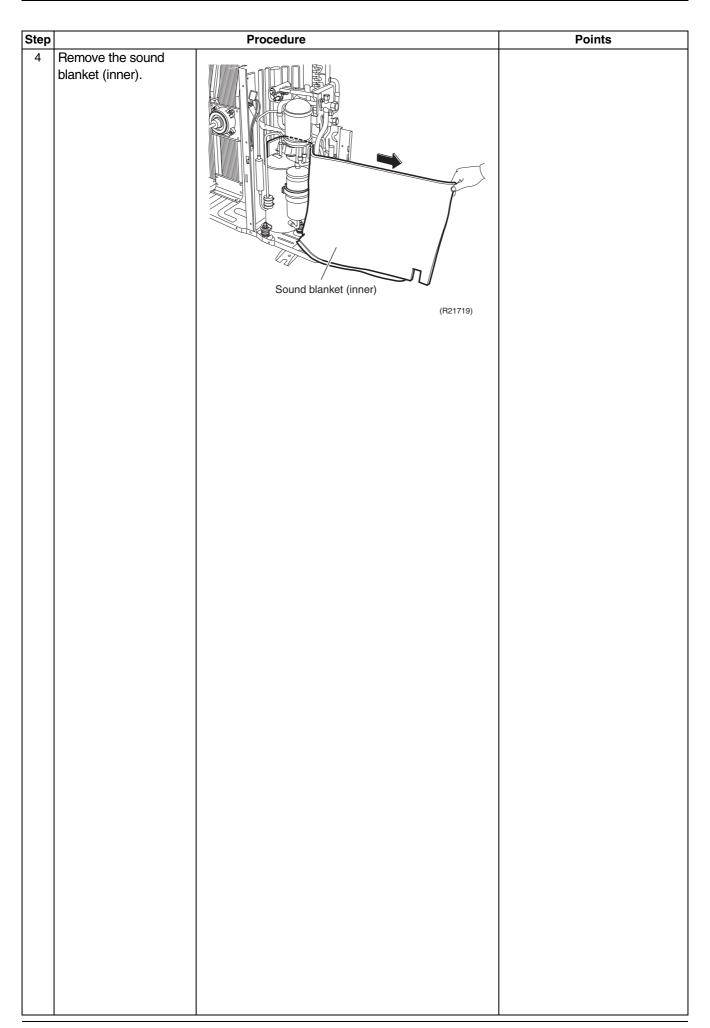
5. Coils / Thermistor ASSY





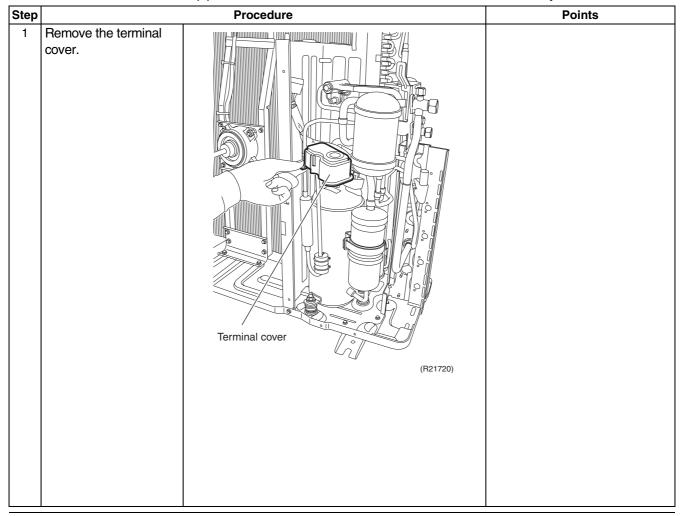
/!\ Warning • Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work. Step Procedure Points Remove the sound Since the piping ports on the 1 blanket (top upper). sound blanket are torn easily, remove the sound blanket carefully. Sound blanket (top upper) (R21716) 2 Remove the sound blanket (top lower). Sound blanket (top lower) (R21717) 3 Open the sound blanket (outer) and remove it. Sound blanket (outer) (R21718)

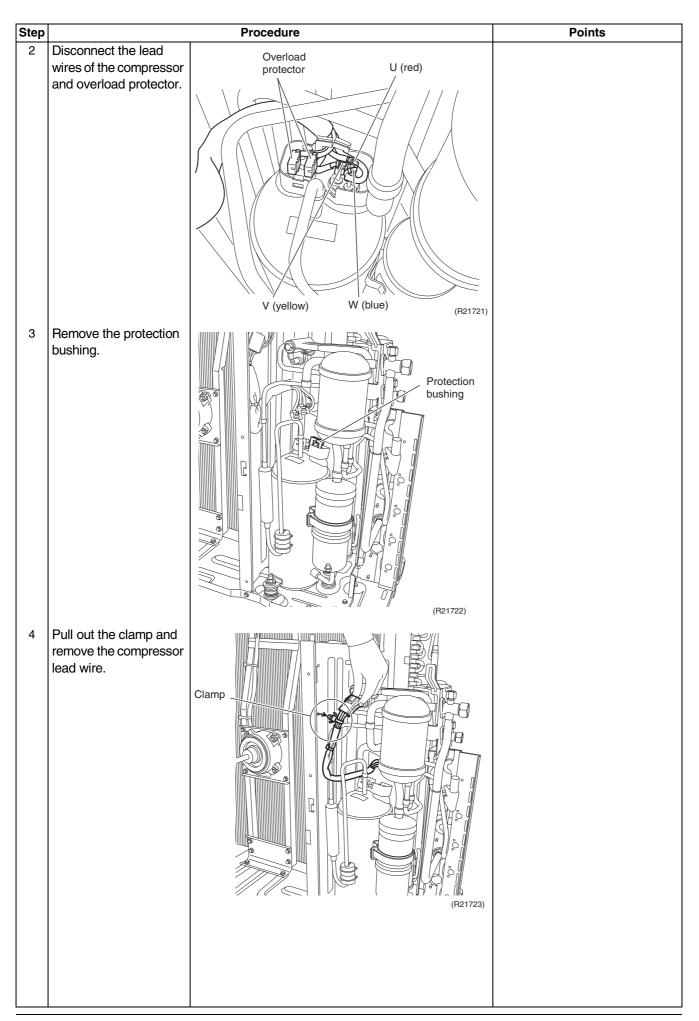
6. Sound Blankets



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. Note Before working, make sure that the refrigerant gas is empty in the circuit. 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.





Stop	p Procedure Points			
Step 5	Heat up the blazed part	Procedure	Points	
5	of the discharge side	Brazed part of		
	pipe and disconnect it.	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □		
		side pipe		
6	Heat up the brazed part			
	of the suction side pipe			
	and disconnect it.			
7	Remove the 2 nuts.	Brazed part of the suction		
		side pipe		
8	Lift up and remove the			
-	compressor.			
	•			
		Nut (R21724)		

Revision History

Month / Year	Version	Revised contents
03 / 2015	Si001422E	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.

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