

Si001163EA



3.5/4.5/4.6/5.0/6.0 kW Class 15000/18000 Btu/h Class



Outdoor Unit







Service Manual Removal Procedure

Outdoor Unit

●Cooling Only RKS46LVMA RKS50LVMA RKS60LVMA Heat Pump
 RXS15LVJU
 RXS18LVJU

RXS46LVMA RXS50LVMA RXS60LVMA

RXS35LAVMA RXS50LAVMA

RXS35RV1A RXS45RV1A RXS50RV1A

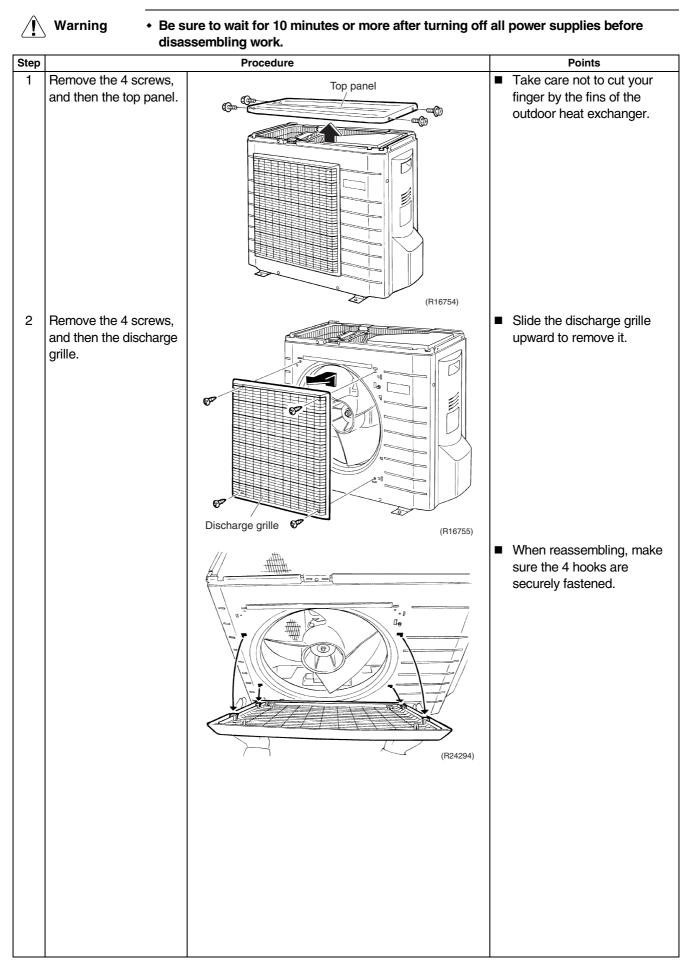
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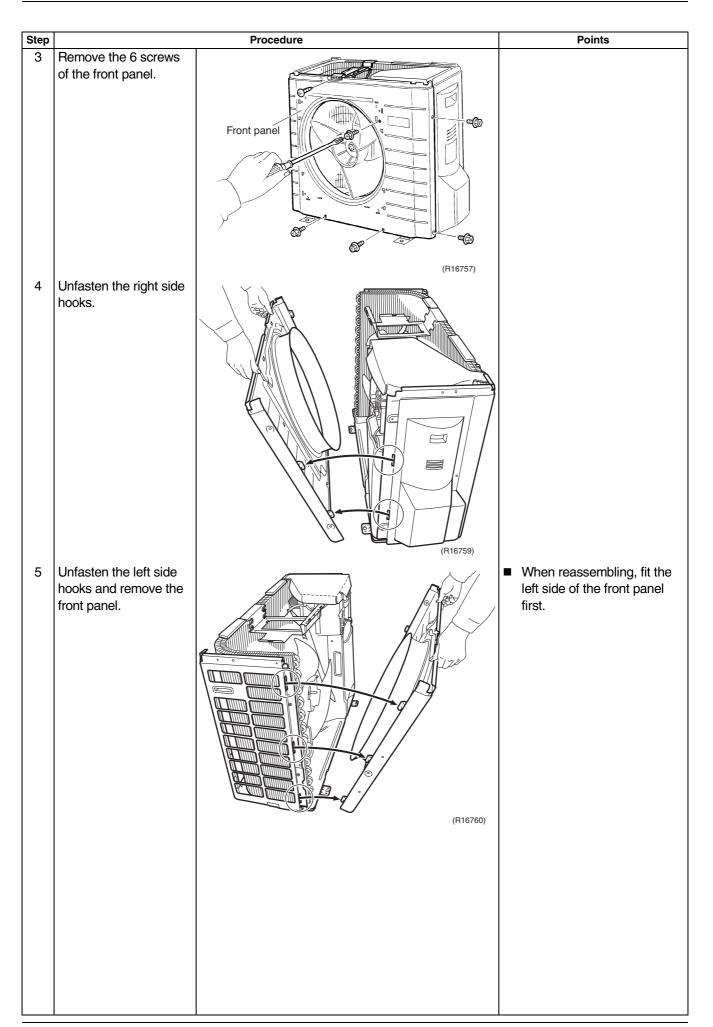
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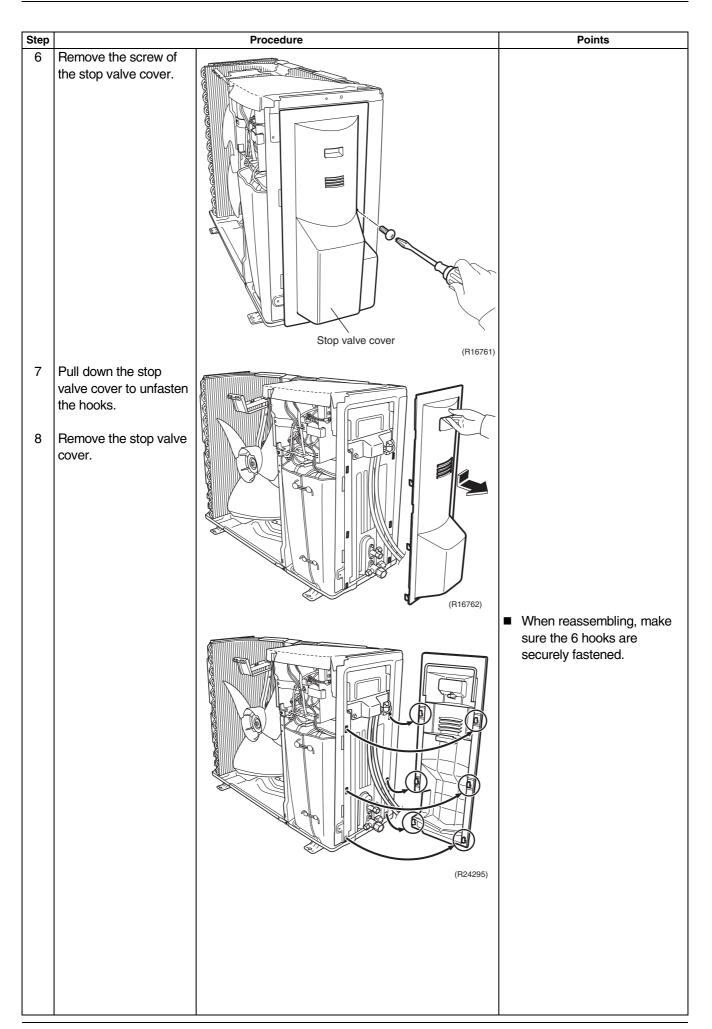


The illustrations may be slightly different depending on the model.The illustrations are for heat pump models as representative.

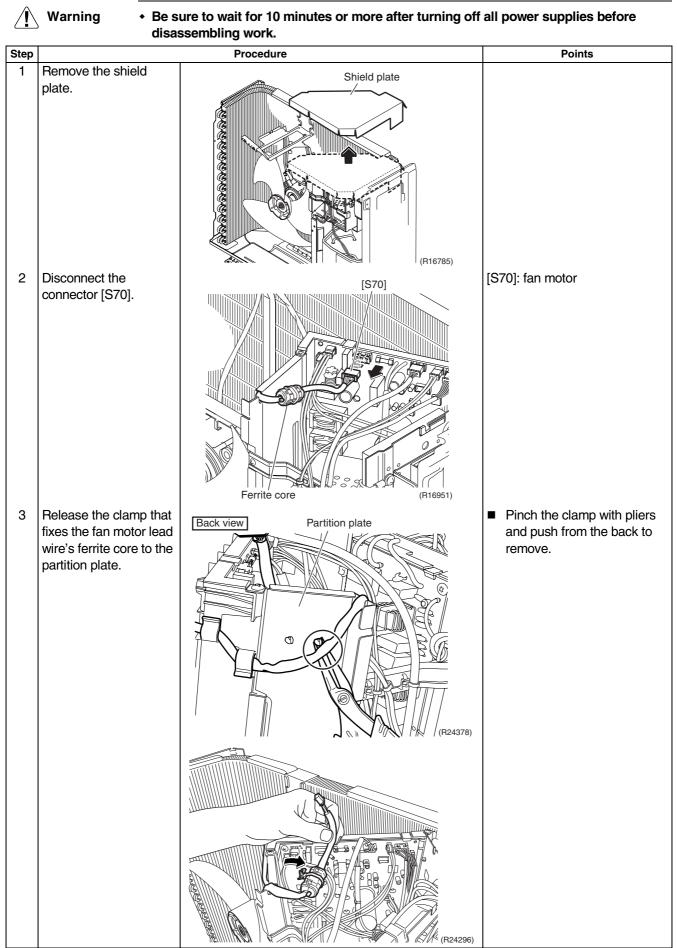
1. Outer Panels

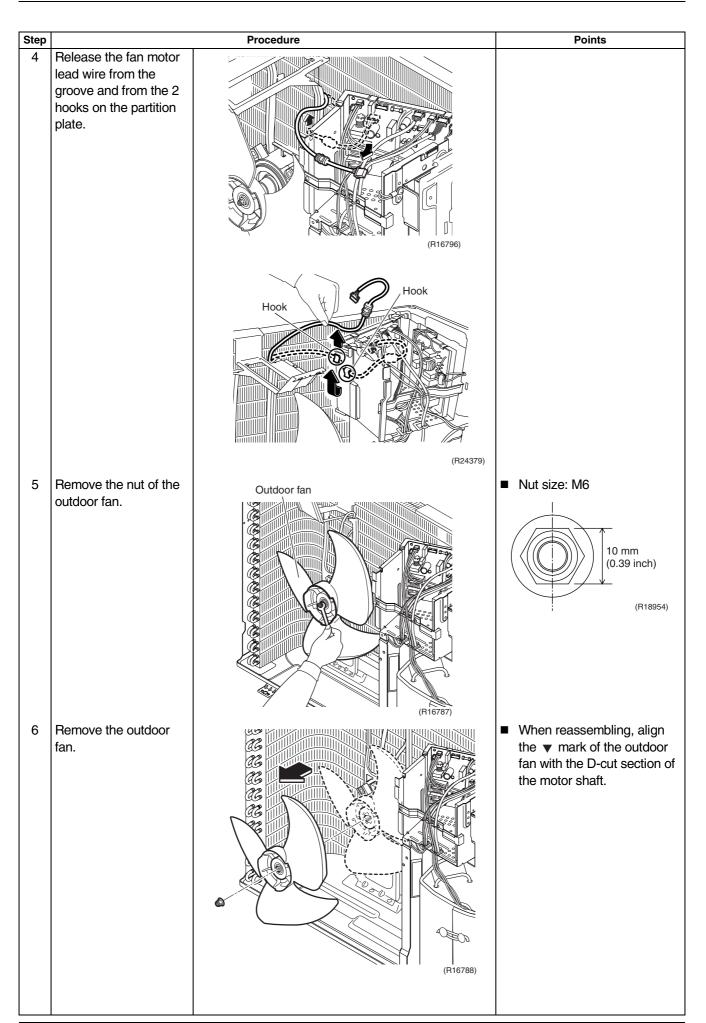


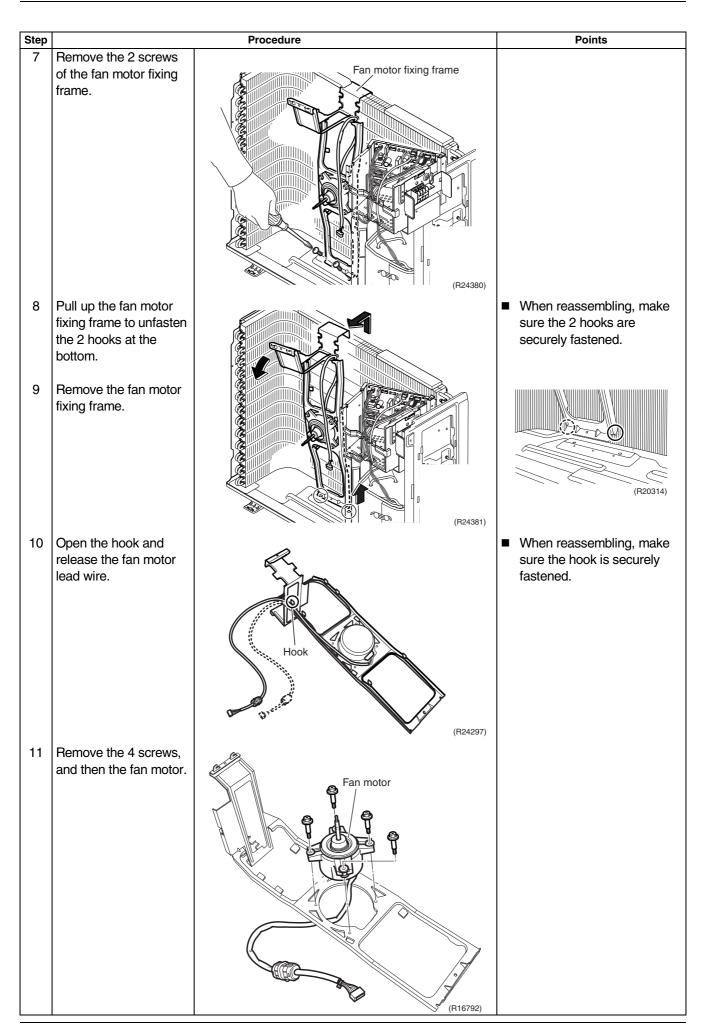




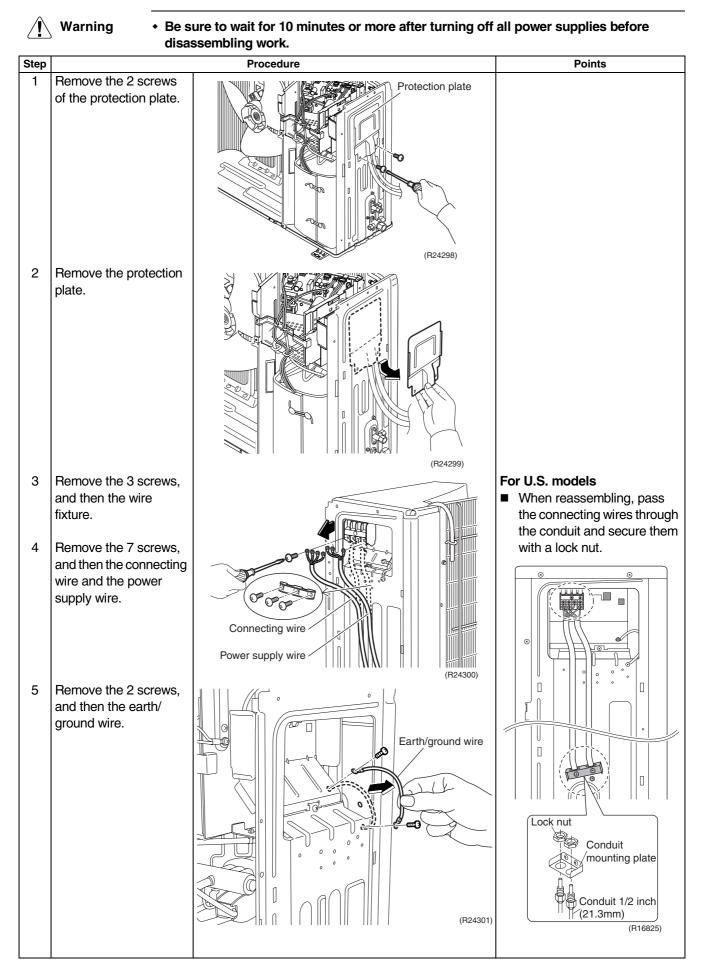
2. Outdoor Fan / Fan Motor

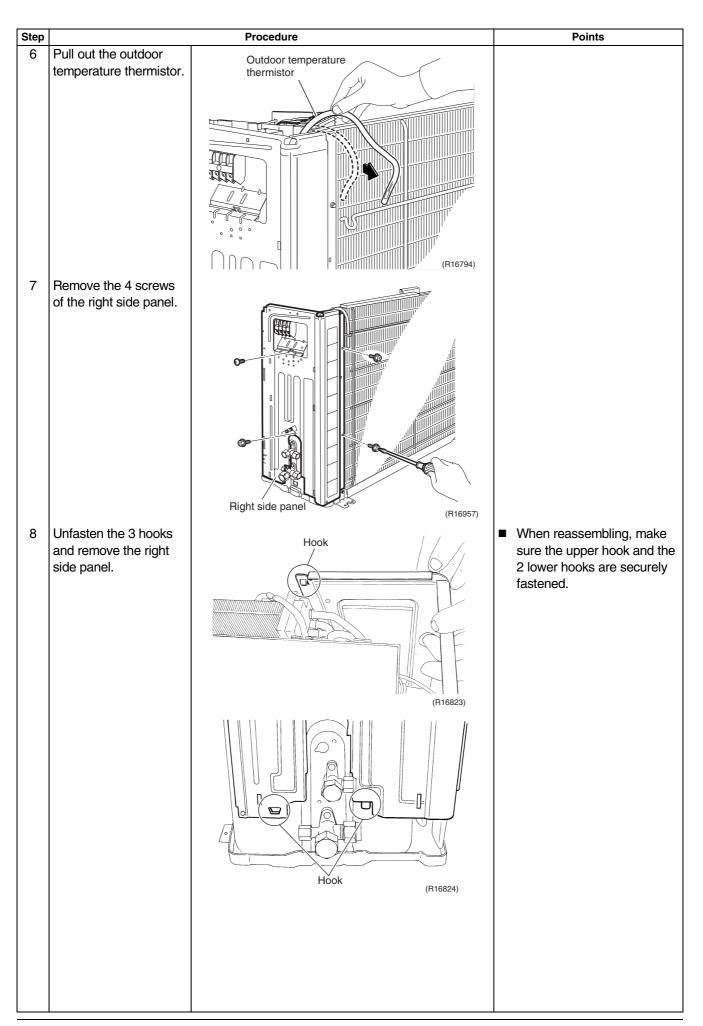


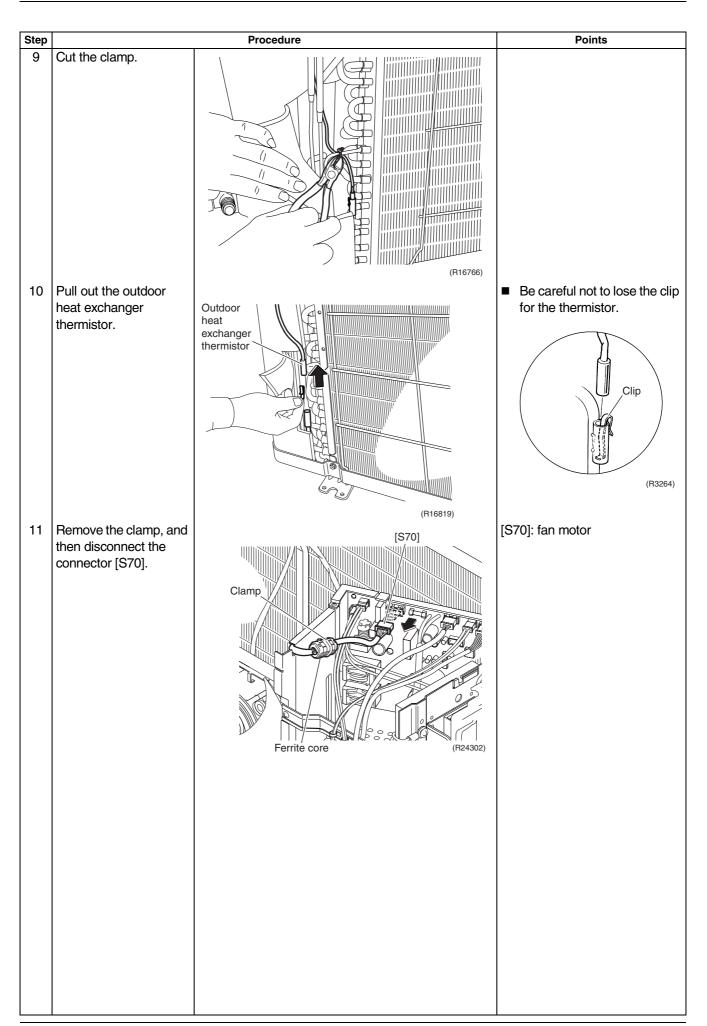


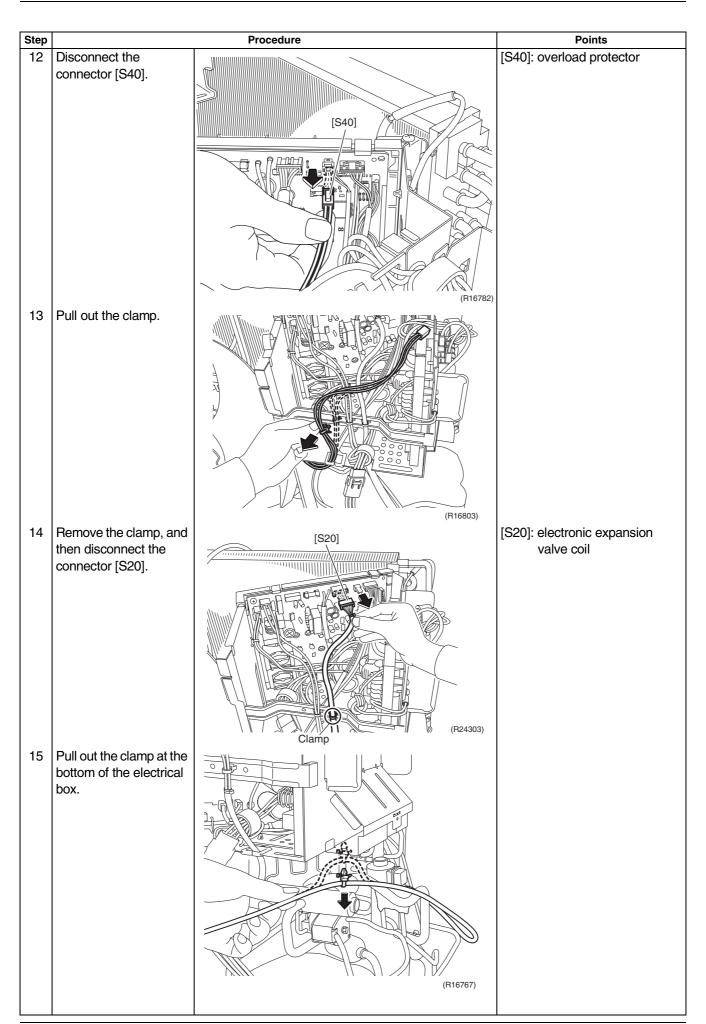


3. Electrical Box

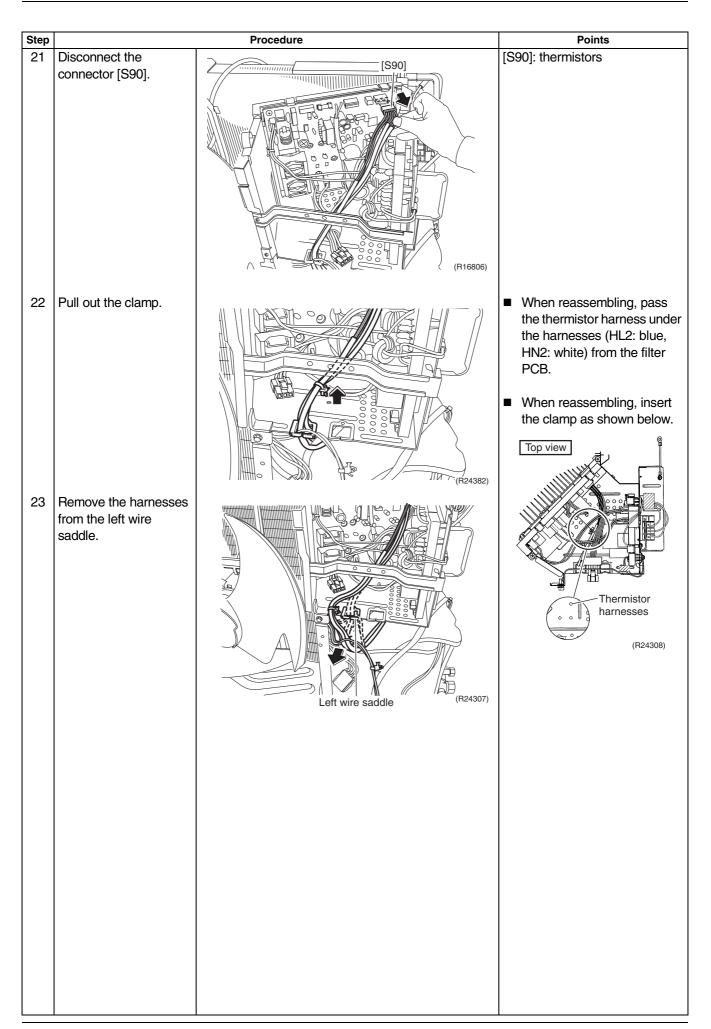


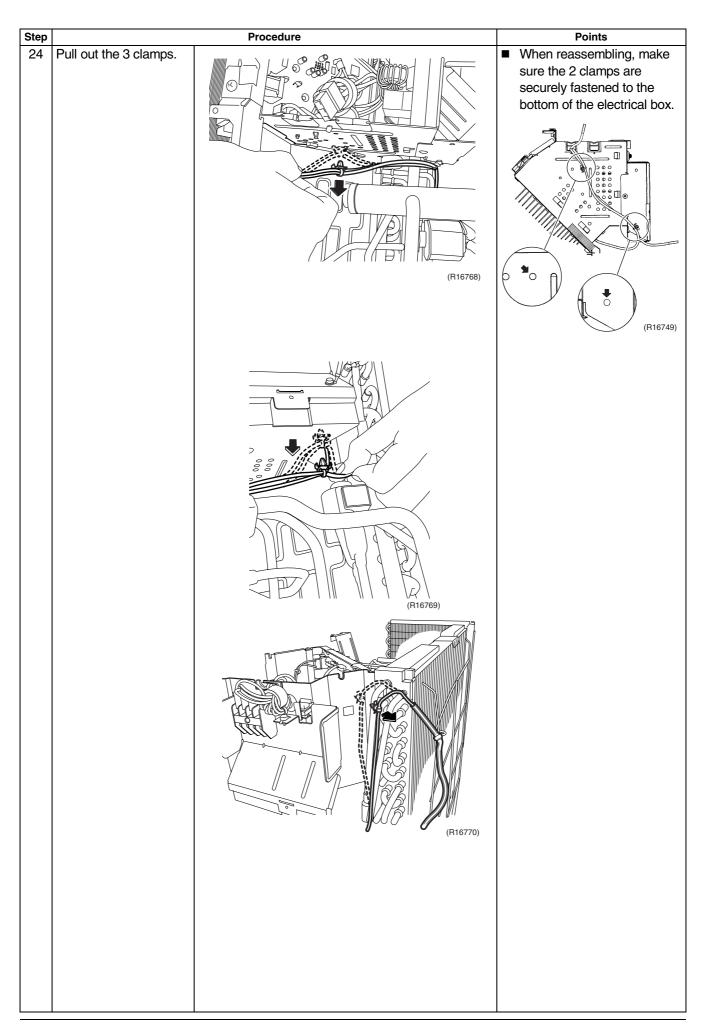






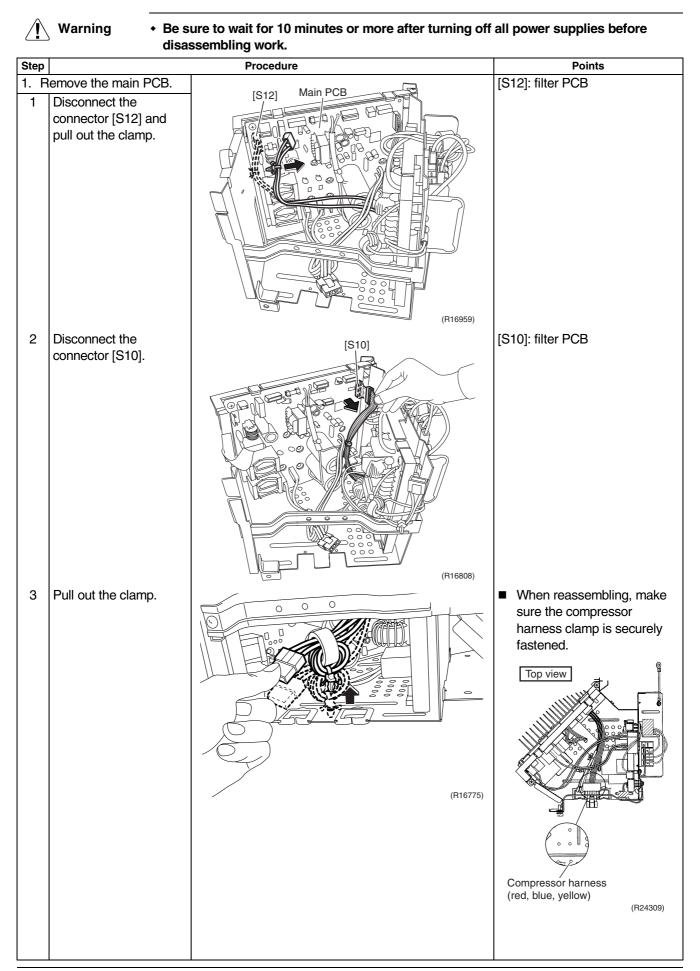
Step	Demove the hermony	Procedure	Points
16	Remove the harness from the right wire saddle.	Right wire saddle (B24304)	
17	Disconnect the connector [S80].		[S80]: four way valve coil
18	Pull out the clamp.	Clamp (R24305)	 The cooling only models do not have the harness for [S80]. When reassembling, insert the clamps of harnesses as shown below. [S40] [S80] [S20] (R14363) When reassembling,
			 When reassembling, connect the connectors in the following order: (1) [S80] (2) [S20] (3) [S40] (4) [S70]
19	Disconnect the relay connector for the compressor.		
20	Pull out the clamp from the partition plate.		

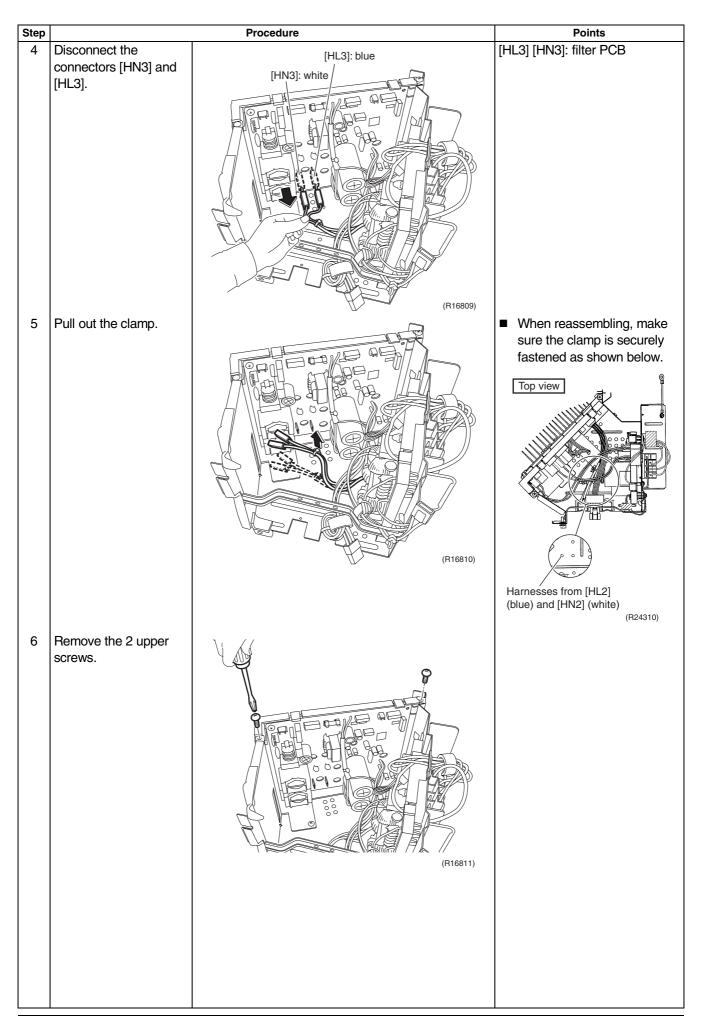


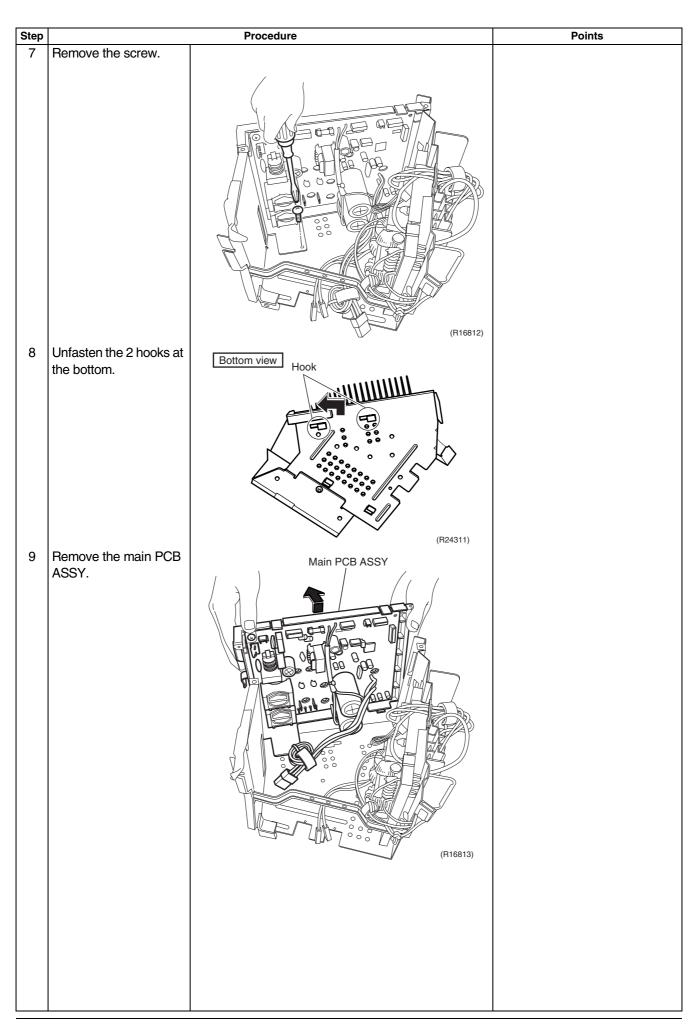


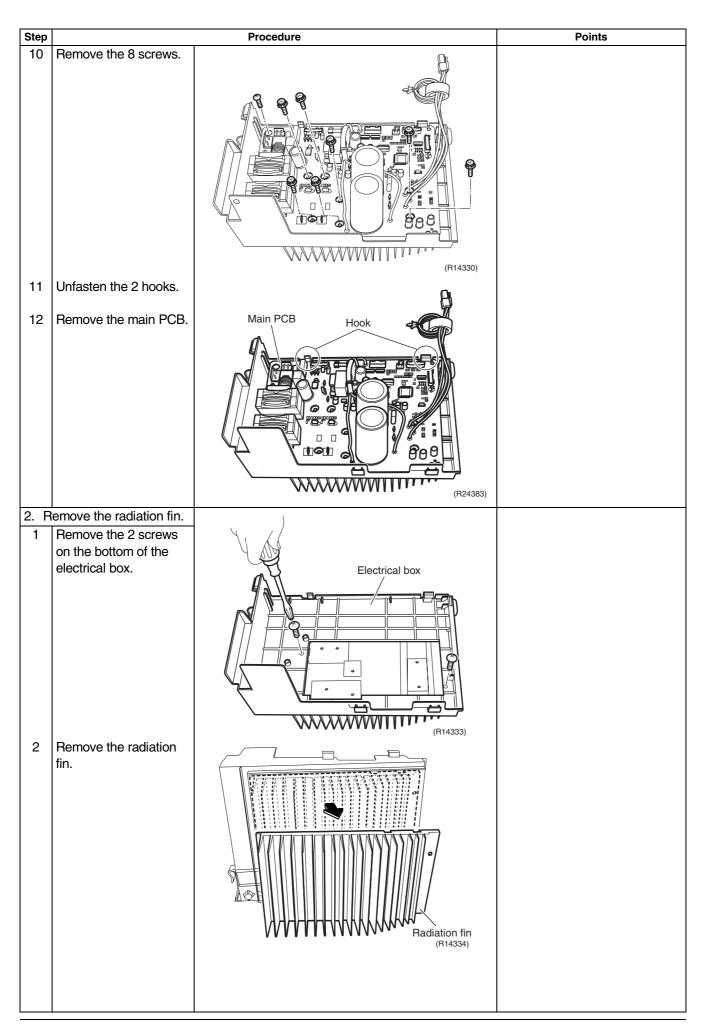
Cton		Draadura	Deinte
Step 25	Remove the screw of	Procedure	Points
	the electrical box.	(FI6771)	
26	Remove the electrical	\backslash \backslash	
	box.		

4. PCBs



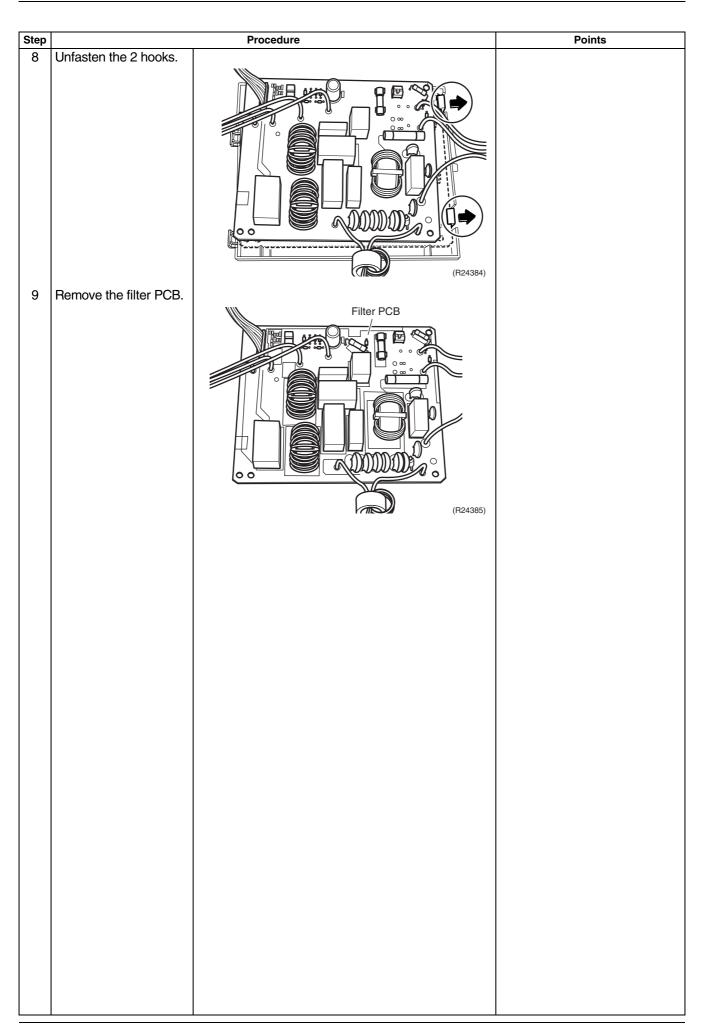






Step		Procedure	Points
	emove the filter PCB.	ter a	
1	Remove the earth/ ground wire screw.	Contraction of the second seco	
2	Pull out the terminals from the terminal strip.		(1): black (lower)(2): white (lower)(3): red (upper)
3	Pull out the clamp.	Terminal strip (B24313)	
		(R24314)	
4	Release the harnesses from the groove.		

Step		Procedure	Points
5	Remove the 2 screws.	(R16818)	
6	Unfasten the 3 hooks and remove the filter PCB ASSY.	(R16961)	
7	Remove the screw.		
	nemove the sciew.	(R14368)	

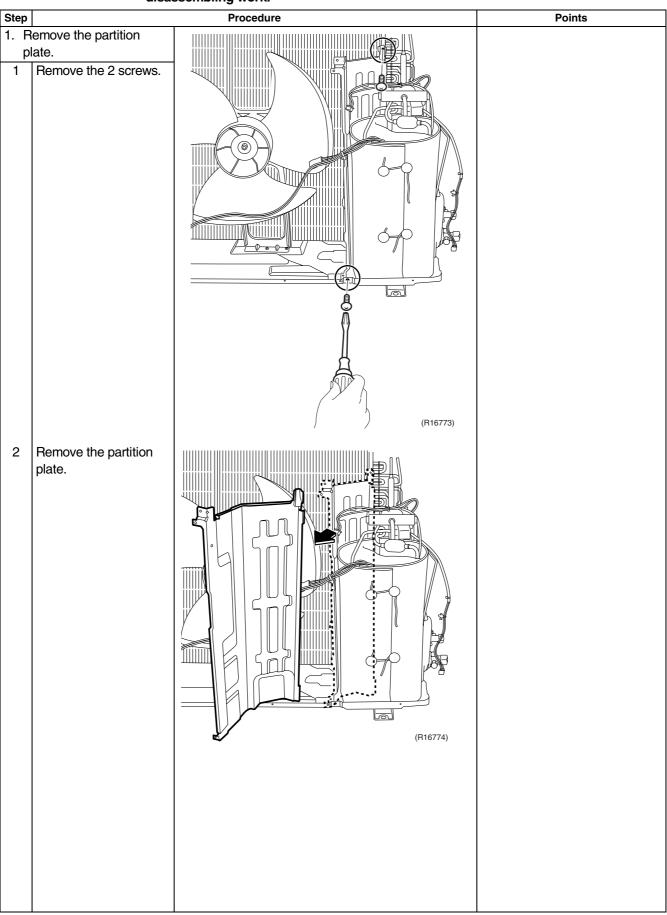


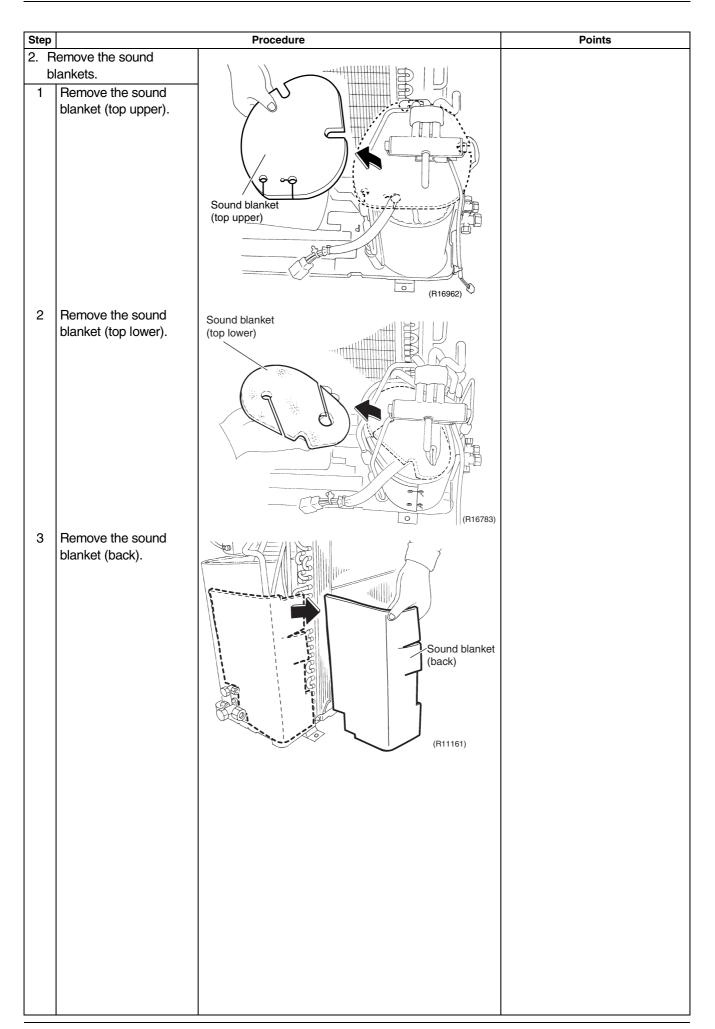
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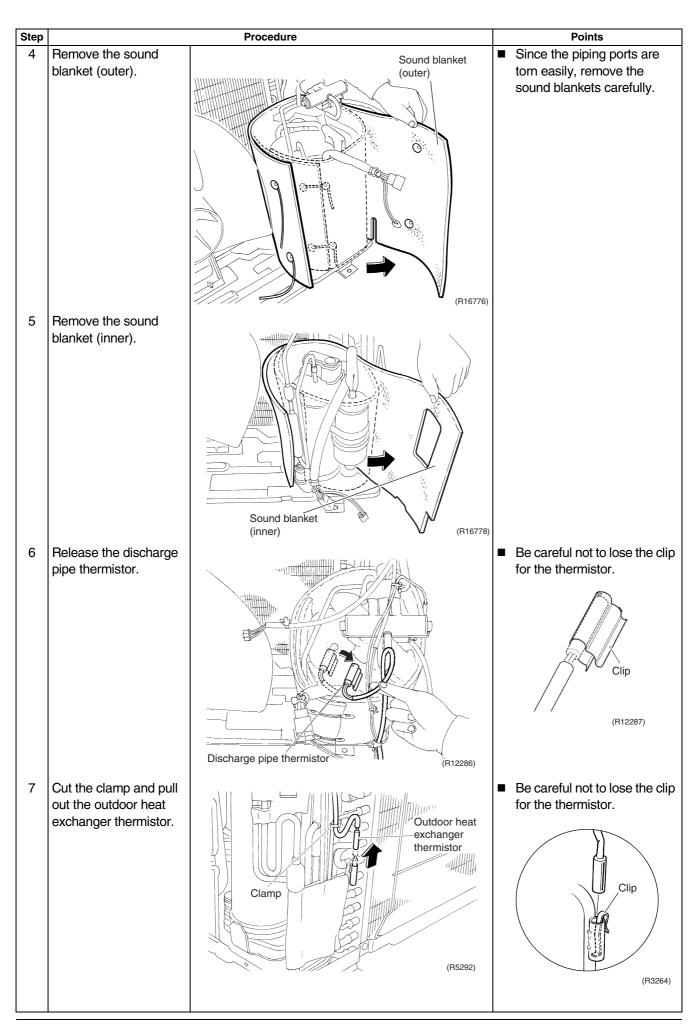
Warning

5. Sound Blankets / Thermistors

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







6. Four Way Valve

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.)

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.
- Cautions for restoration
 - 1. Restore the piping by non-oxidation brazing.
 - 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 (248°F).) For the sake of this, wrap the four way valve with wet cloth and provide water so that the cloth does not dry.

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.

Step		Procedure	Points
1	Remove the screw, and then the four way valve coil.	Four way valve coil four way valve coil (R5297)	The cooling only models do not have the four way valve coil.

Step		Procedure	Points
2	Remove the putty.	Putty	
3	Heat up the brazed part of the four way valve and disconnect.		
4	Heat up the 3 brazed parts in turn and disconnect the four way valve.		

7. Electronic Expansion Valve

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.)

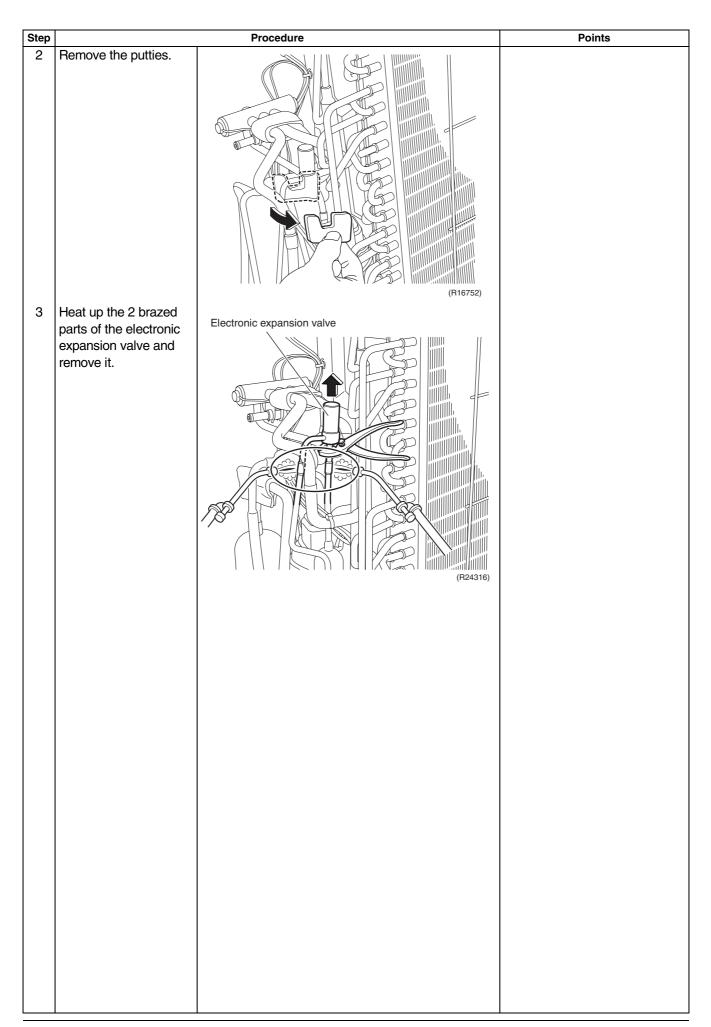
Caution

- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- Cautions for restoration
 - 1. Restore the piping by non-oxidation brazing.
 - 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 (248°F).) For the sake of this, wrap the four way valve with wet cloth and provide water so that the cloth does not dry.

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.

Step		Procedure	Points
1	Pull out the electronic expansion valve coil.	Electronic expansion valve col Image: Col	The location of the electronic expansion valve coil varies depending on the model.



8. 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

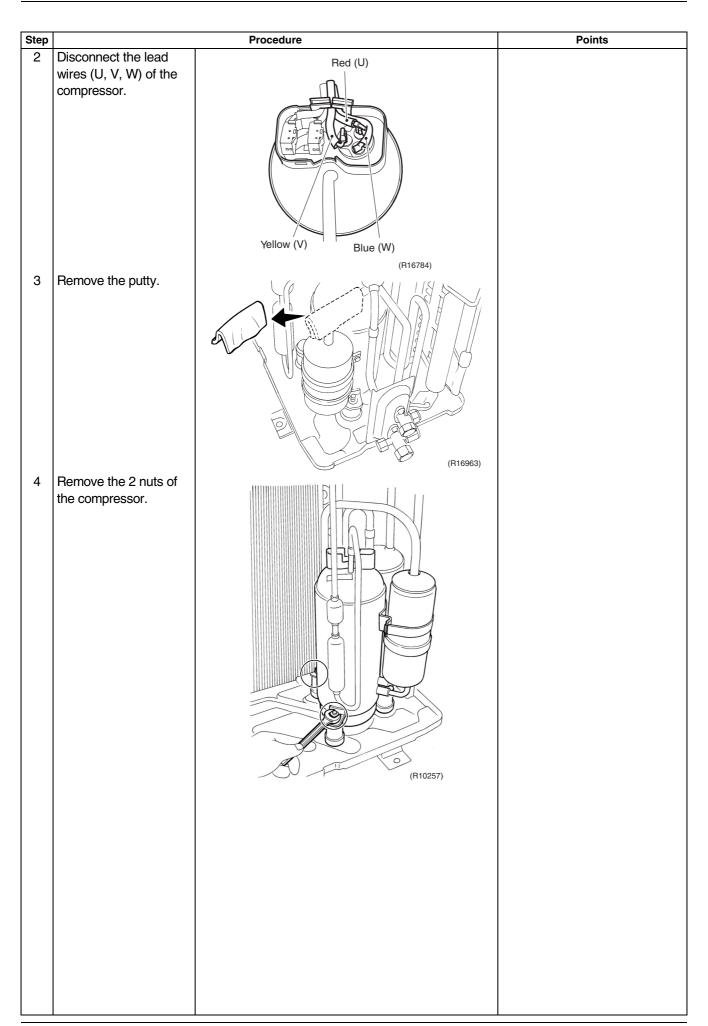
• From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.

· 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.

Step		Procedure	Points
1	Remove the terminal cover.	Top view Top view Top view Top view Terminal cover (R24317)	



Step		Procedure	Points
5	Heat up the brazed part of the discharge pipe side and disconnect it.		
6	Heat up the brazed part of the suction pipe side and disconnect it. Lift the compressor up and remove it.		

Revision History

Month / Year	Version	Revised contents
08 / 2012	Si001163	First edition
12 / 2016	Si001163EA	Model addition: RXS35/45/50RV1A



- 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.

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