

Si001412E



2.5/3.5/5.0 kW Class 9000/12000/18000 Btu/h Class



Outdoor Unit



Pair Type



Service Manual Removal Procedure

Outdoor Unit

Heat Pump
 RXZ09NV1S
 RXZ12NV1S
 RXZ18NV1S

RXZ25NVM RXZ35NVM RXZ50NVM

RXZ25NVM4 RXZ35NVM4 RXZ50NVM4

RXZ25NVMG RXZ35NVMG RXZ50NVMG

RXZ25NVMV RXZ35NVMV RXZ50NVMV

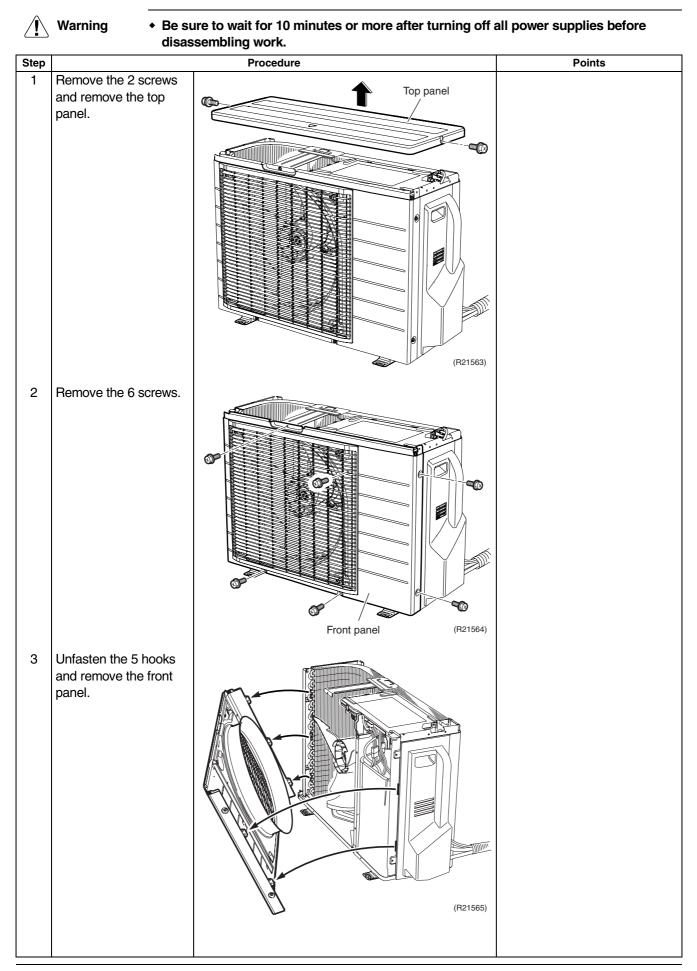
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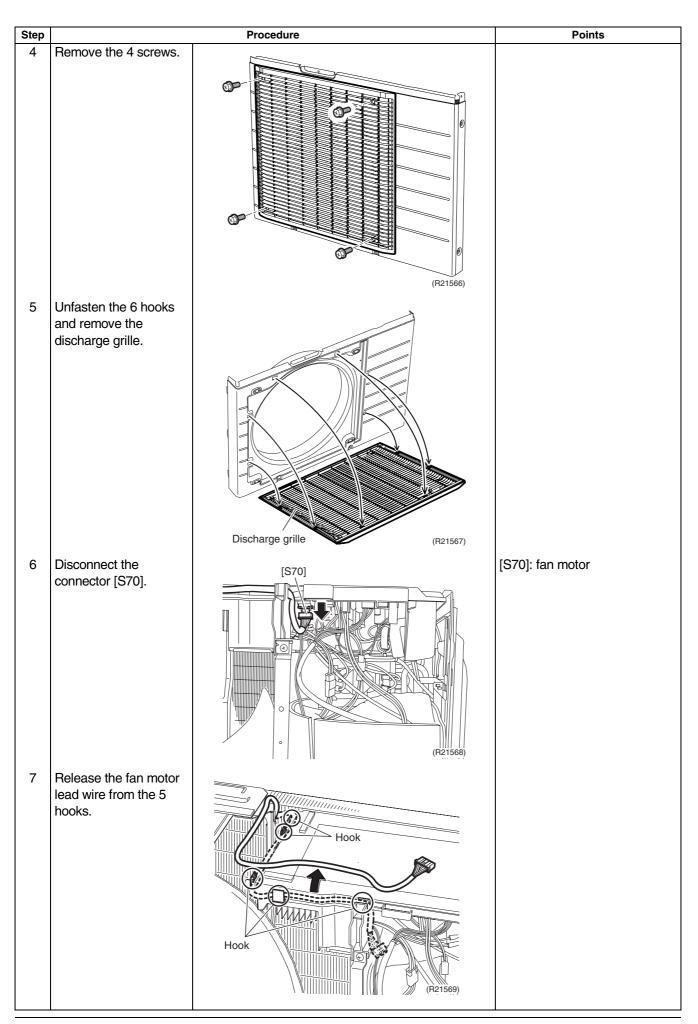
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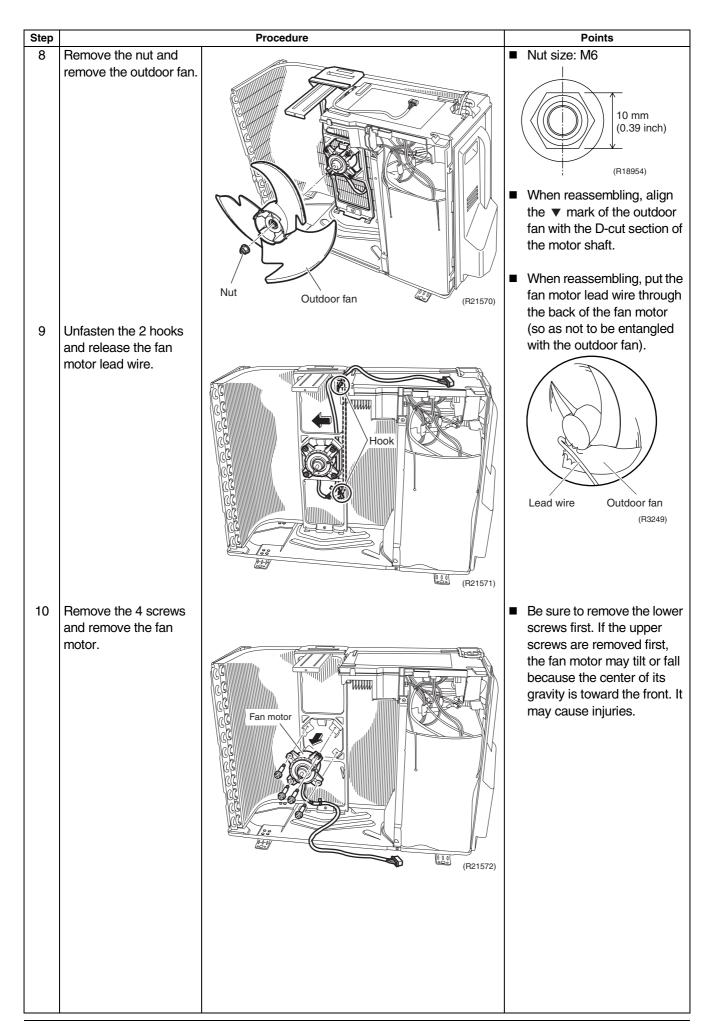


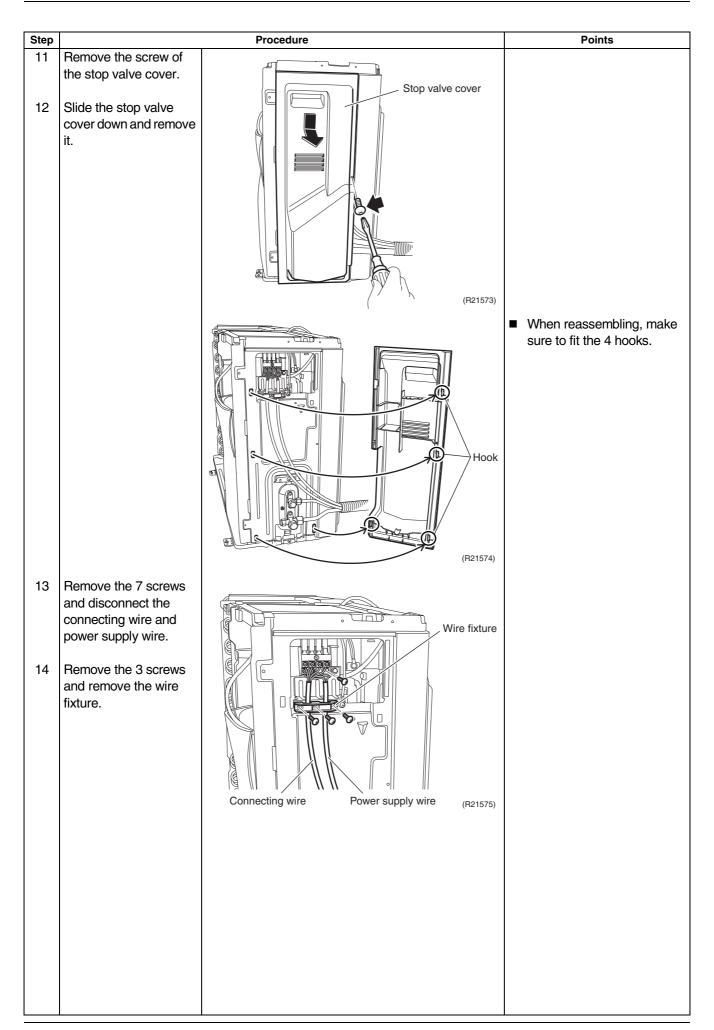
• The illustrations may be slightly different depending on the model.

1. Outer Panels / Outdoor Fan / Fan Motor



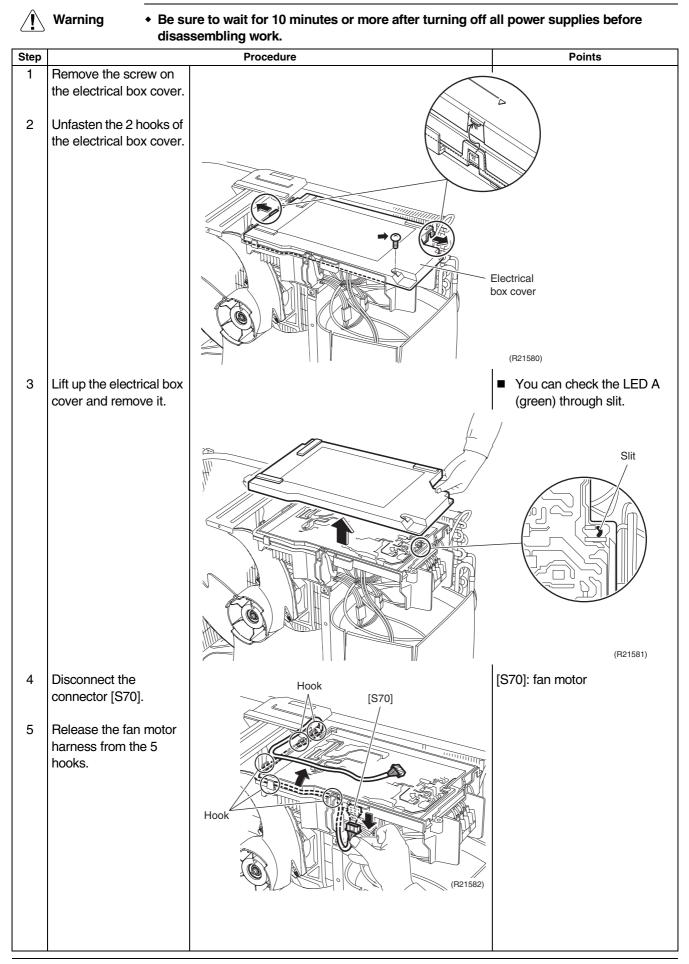




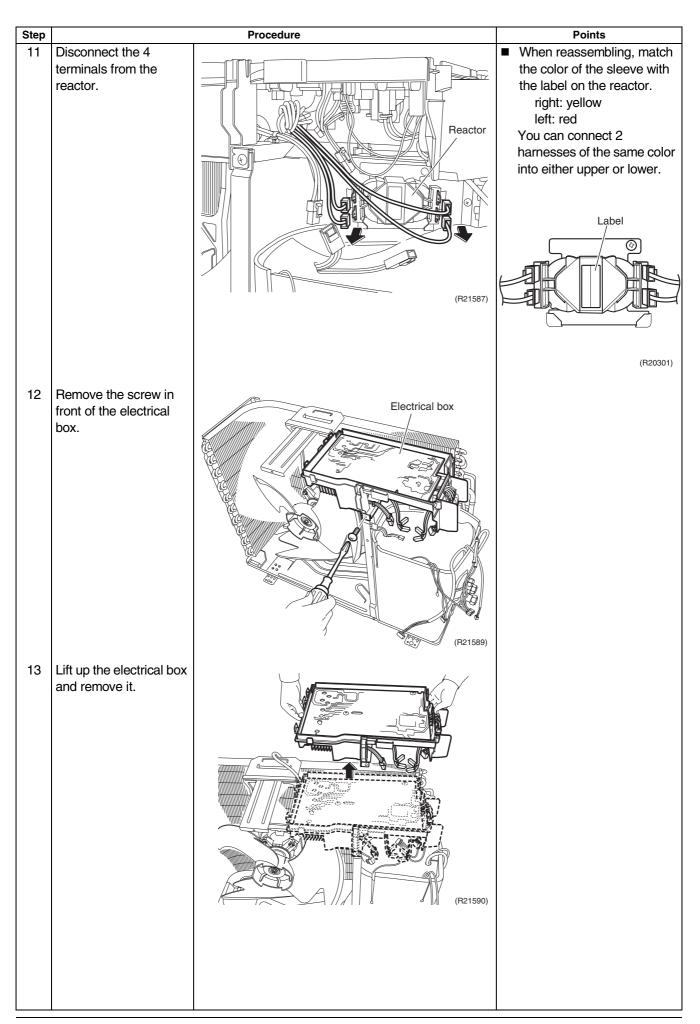


Step		Procedure	Points
15	Remove the 3 screws.		
16	Slide the suction grille to the right.	Suction grille	
17	Unfasten the 5 hooks and remove the suction grille.		
18	Detach the outdoor	Outdoor temperature thermistor	
10	temperature thermistor.		
19	Remove the 3 screws on the right side panel.		
20	Remove the earth / ground screw.	(R19605)	Earth / ground screw (R20299)
21	Unfasten the 4 hooks and remove the right	Hook	When reassembling, make sure to fit the 4 hooks.
	side panel.	Right side Connecting wire	Hook
22	Remove the liquid piping and the gas piping.	Liquid piping Liquid piping Gas piping Hook	(F20300)

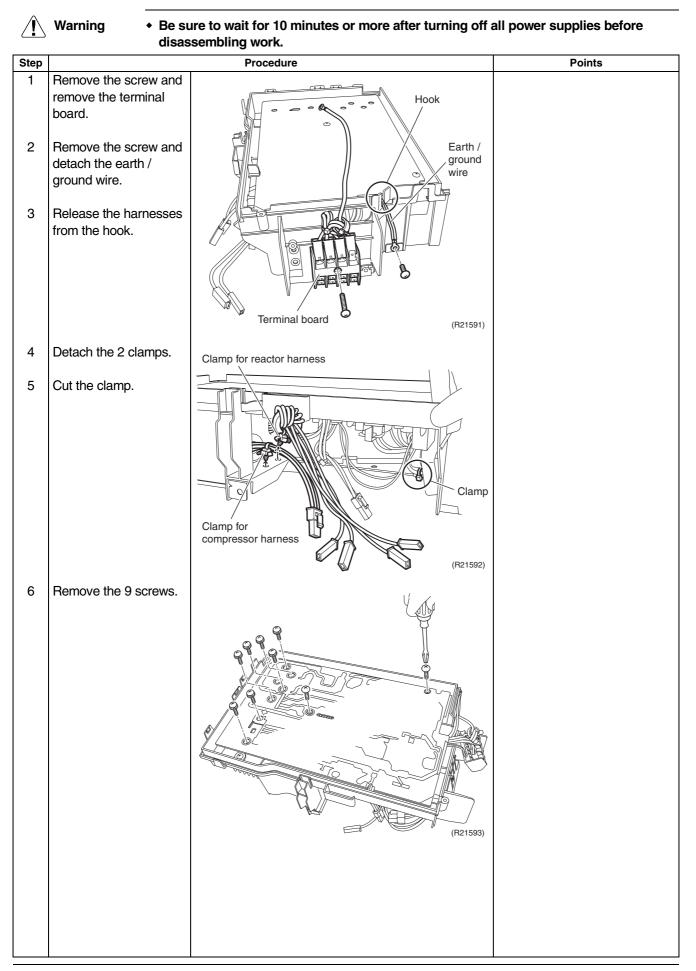
2. Electrical Box

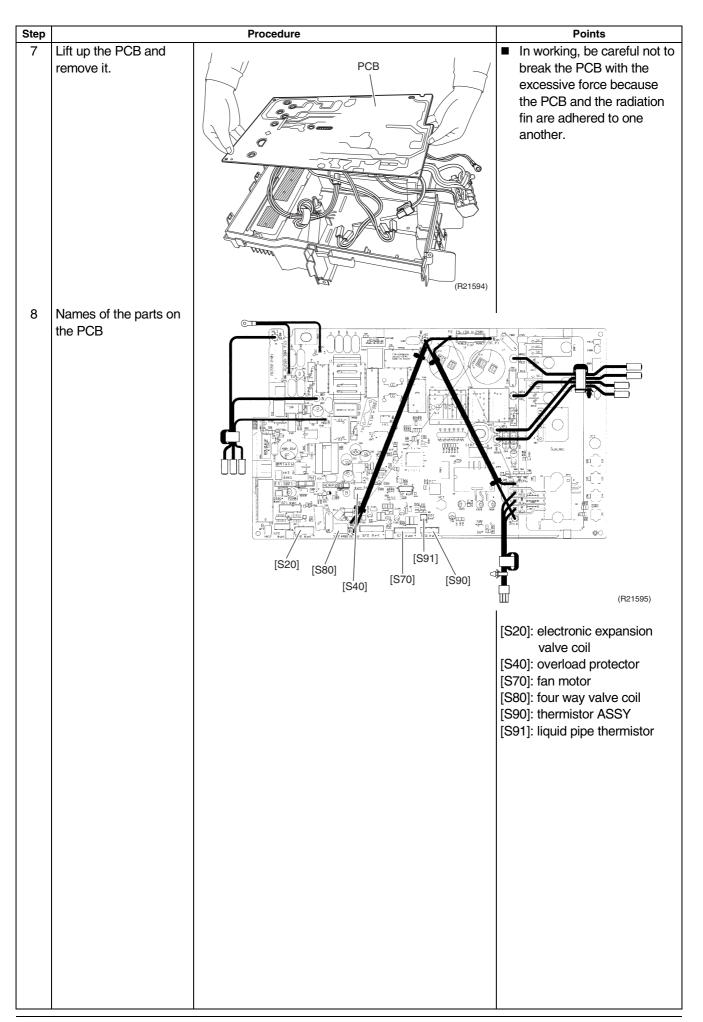


Cham		Duccesture	Deinte
Step 6	Disconnect the	Procedure	Points
6		[S91] [S80] [S20]	[S20]: electronic expansion valve coil
	connectors [S20], [S80], [S91].		[S80]: four way valve coil [S91]: liquid pipe thermistor
7	Disconnect the relay connector for the compressor.		
8	Disconnect the relay connector for the overload protector.	Relay Relay connector for compressor	
9	Disconnect the	()	[S90]: thermistor ASSY
	connector [S90].		
10	Detach the clamp at the bottom of the terminal board.	(H21585)	

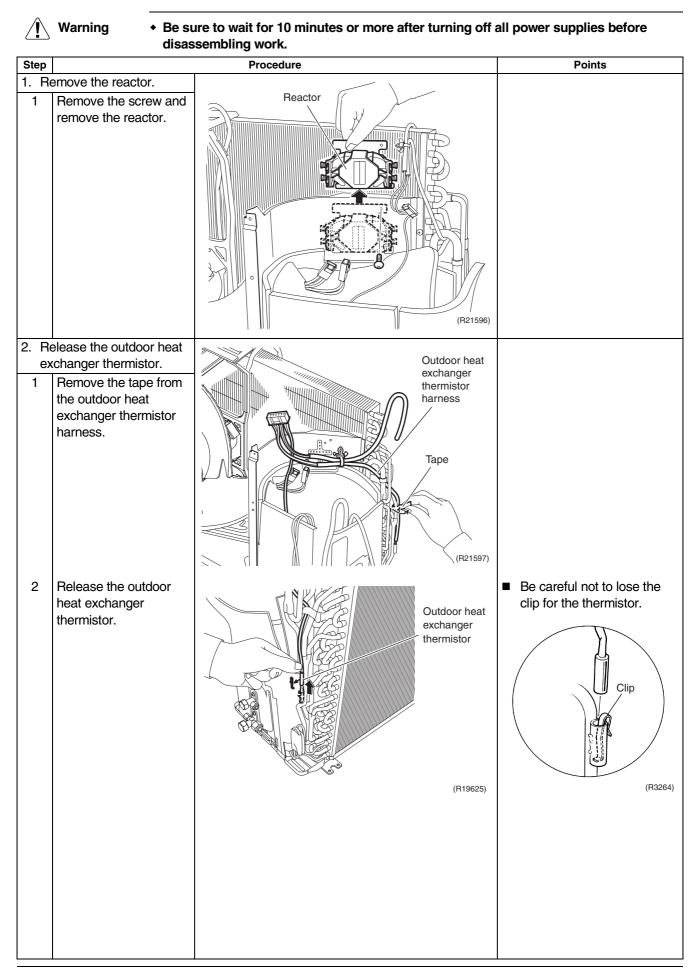


3. PCB

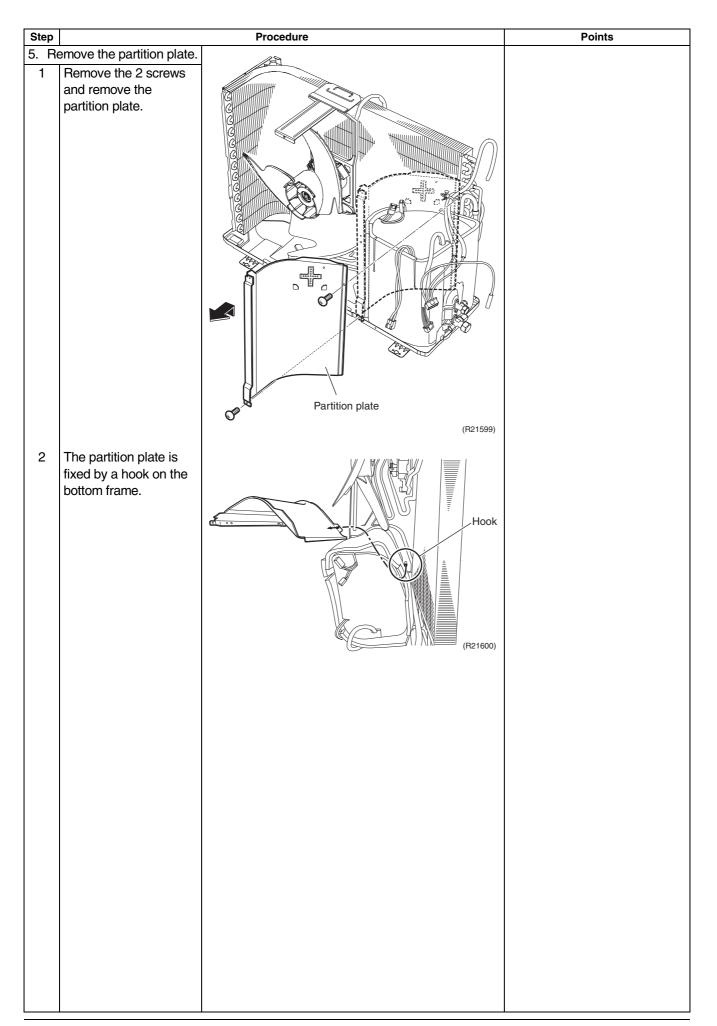




4. Reactor / Thermistor ASSY / Partition Plate

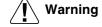


Step		Procedure	Points
	elease the discharge		 Since the piping ports on
	be thermistor.	Sound blanket (top) /	the sound blanket are torn
2	Open the sound blanket (top). Open the front of the sound blanket (outer).		easily, remove the sound blanket carefully.
		Sound blanket (outer)	
2	Datach the discharge	(n 19020)	Be careful not to lose the
3	Detach the discharge pipe thermistor.	R°.	Be careful not to lose the fixture for the discharge pipe thermistor.
		Discharge pipe thermistor	Fixture (R21588) When reassembling, meet the edge of the thermistor and the fixture.
	elease the liquid pipe	Liquid pipe thermistor	Be careful not to lose the clip for the thermistor
1 2	ermistor. Open the right side of the sound blanket (outer). Detach the liquid pipe thermistor.	(R19628)	clip for the thermistor.



5. Sound Blankets <u>/</u>] 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 1 Sound blanket (top) blanket (top). the sound blanket are torn easily, remove the blanket carefully. (R19631) 2 Remove the sound blanket (outer). Sound blanket (outer) (R19633) 3 Open the sound blanket (inner) and pull it out. Sound blanket 4 Pull out the sound (bottom) blanket (bottom). Sound blanket (R19634) (inner)

6. Four Way Valve / Electronic Expansion Valve



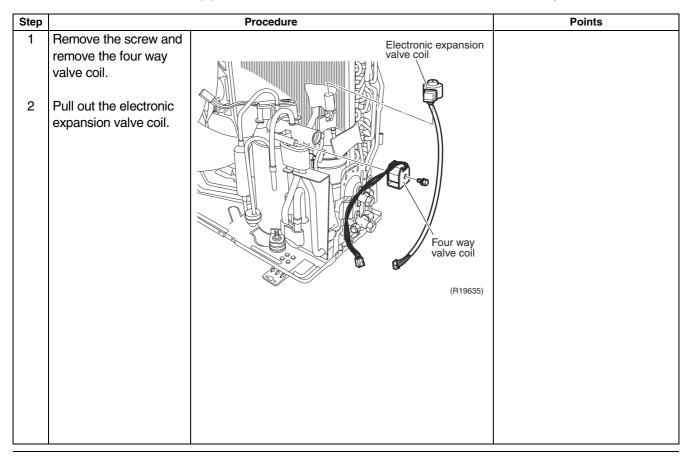
- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
 - Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
 - If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.)

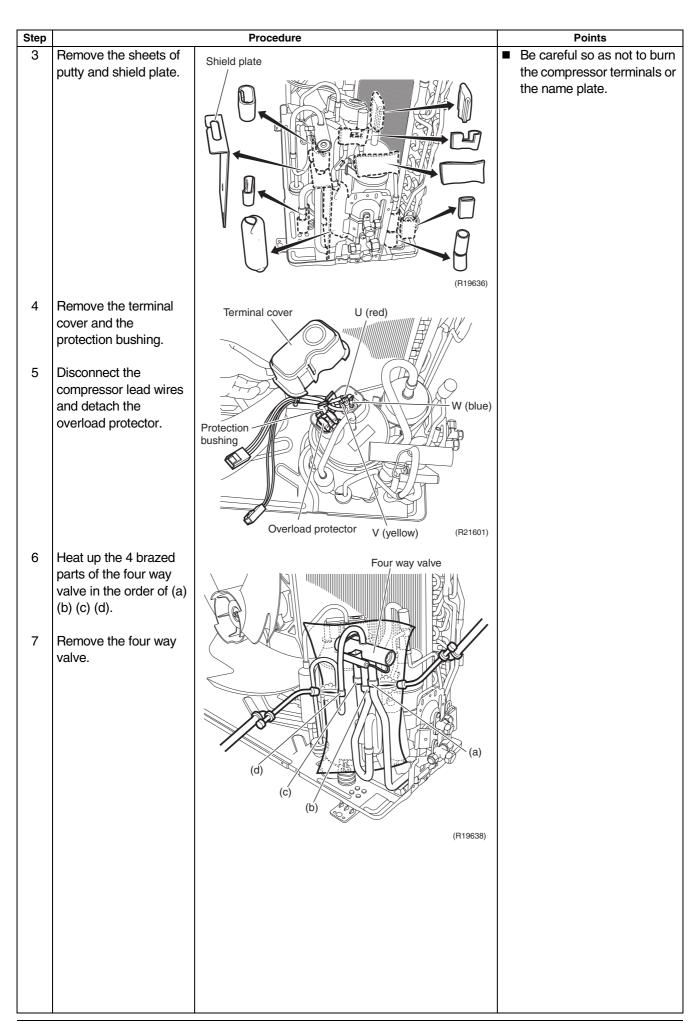
Caution

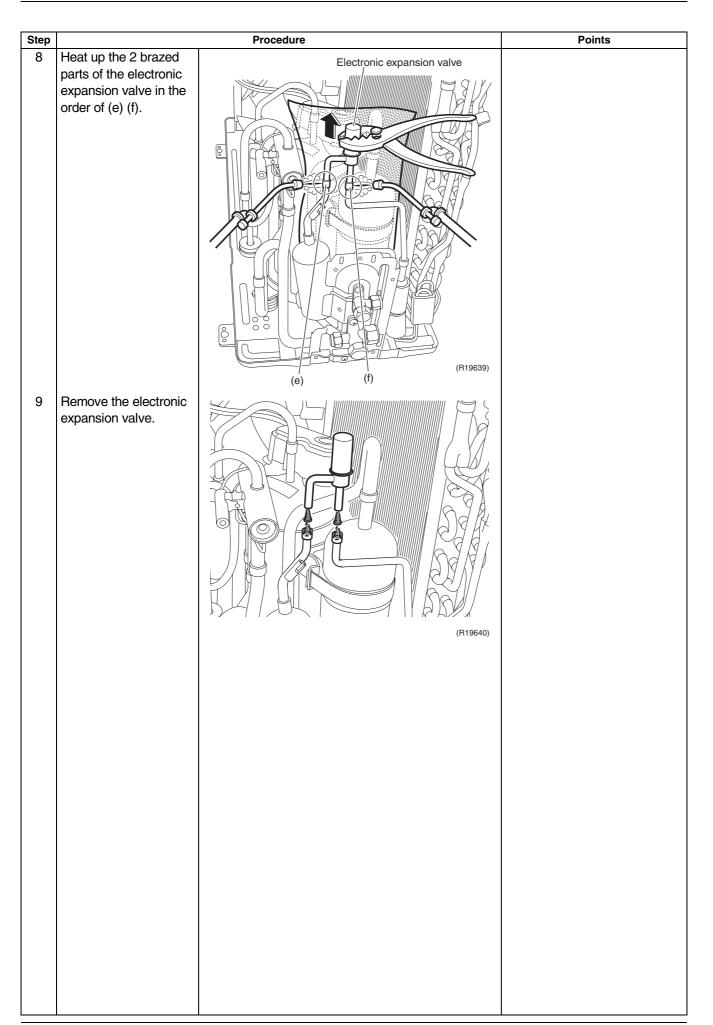
- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- Cautions for restoration
 - 1. Restore the piping by non-oxidation brazing.
 - It is required to prevent the carbonization of the oil inside the 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.

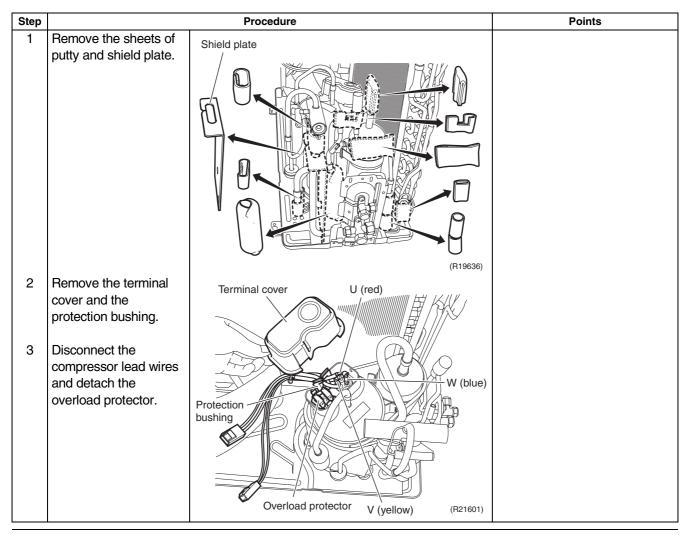


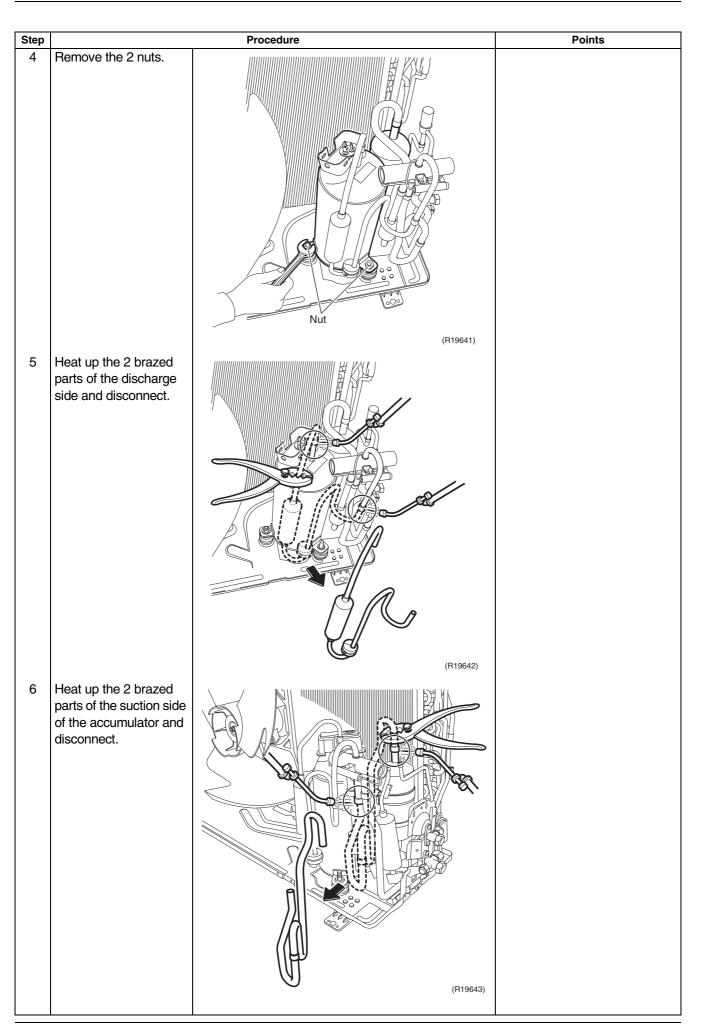




7. Compressor Warning · Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work. Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine. If the refrigerant gas leaks during work, ventilate the room. (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.

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Sten		Procedure	Points
5tep 7	Lift the compressor and		FUIIIS
Step 7	Lift the compressor and remove it.	Procedure	Points

Revision History

Month / Year	Version	Revised contents
03 / 2015	Si001412E	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

 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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