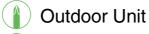


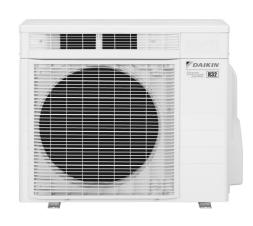


2.5/3.5/5.0 kW Class



Inverter

Pair Type



Service Manual Removal Procedure

Outdoor Unit

●Heat Pump RXZ25NV1B RXZ35NV1B RXZ50NV1B

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

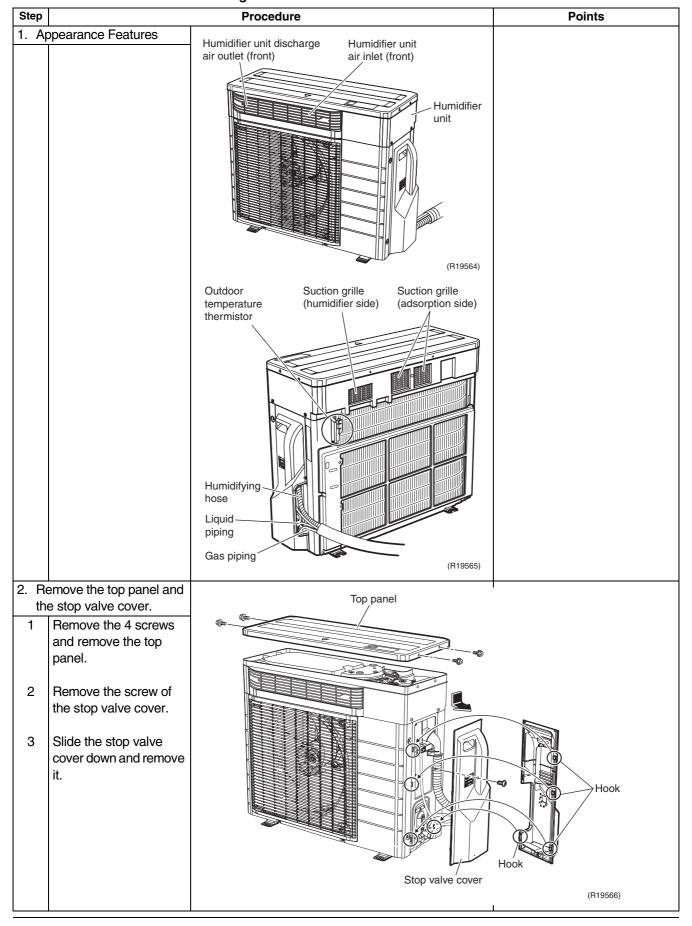
Humidifier Unit Si001362E

1. Humidifier Unit

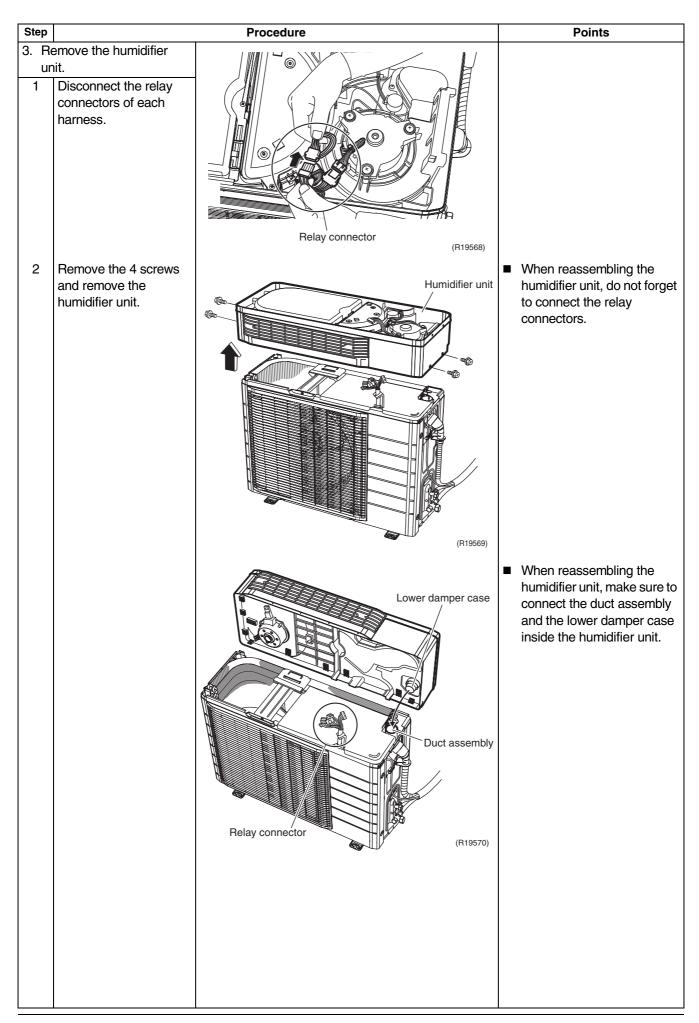


Warning

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



Si001362E Humidifier Unit



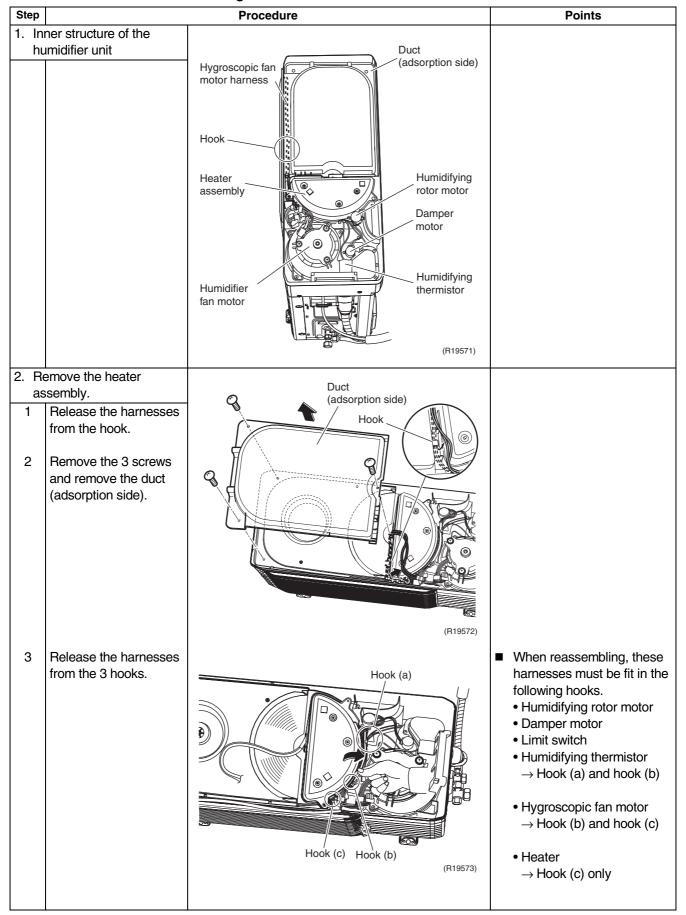
Heater Assembly Si001362E

2. Heater Assembly

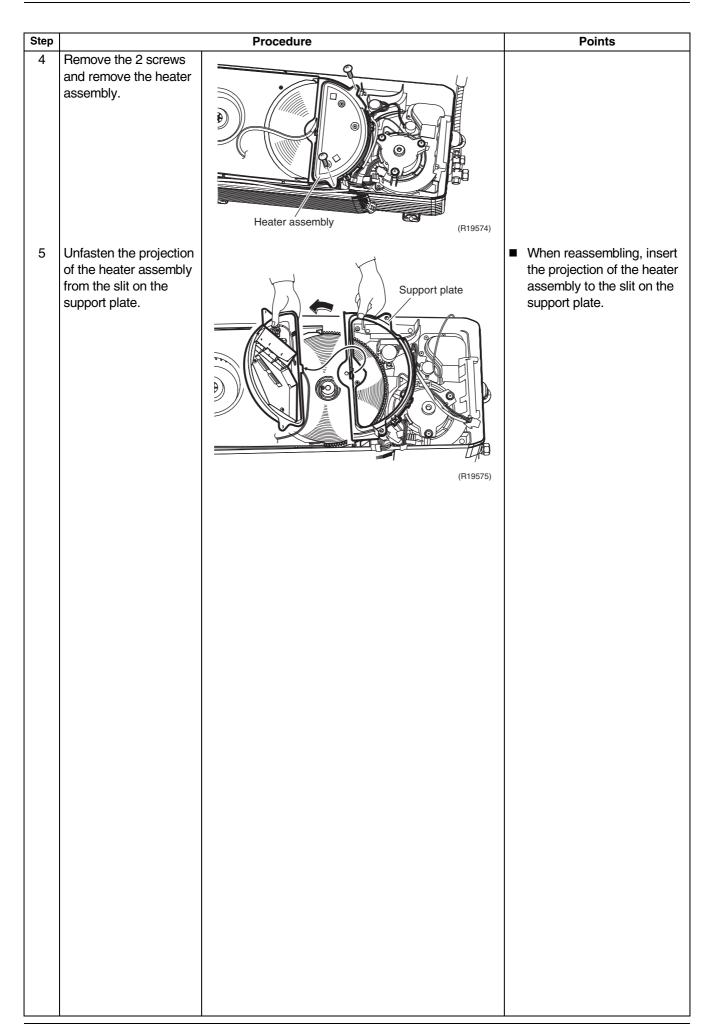


Warning

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Si001362E Heater Assembly

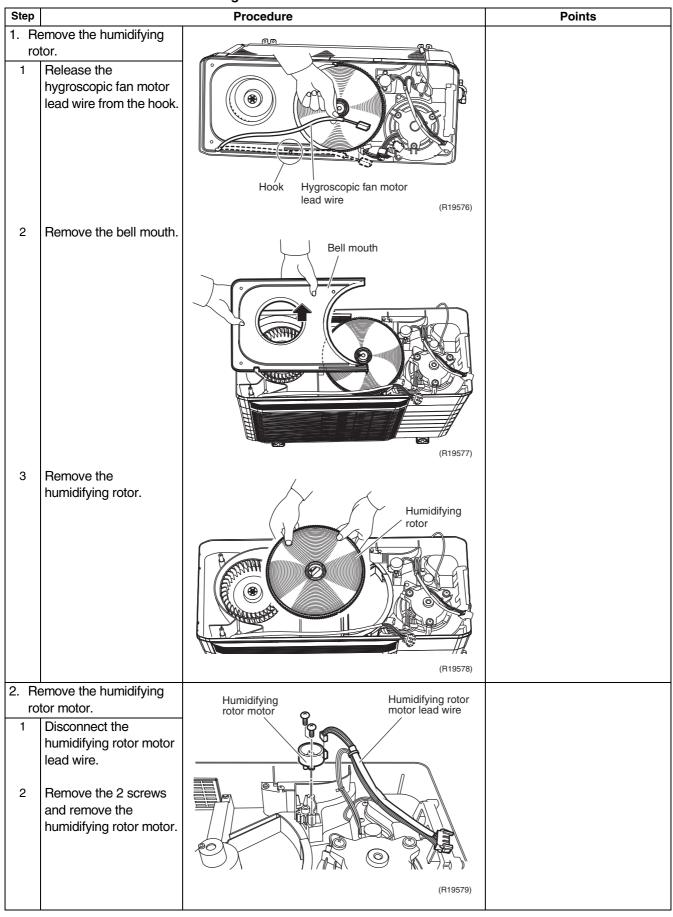


3. Humidifying Rotor Motor



Warning

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

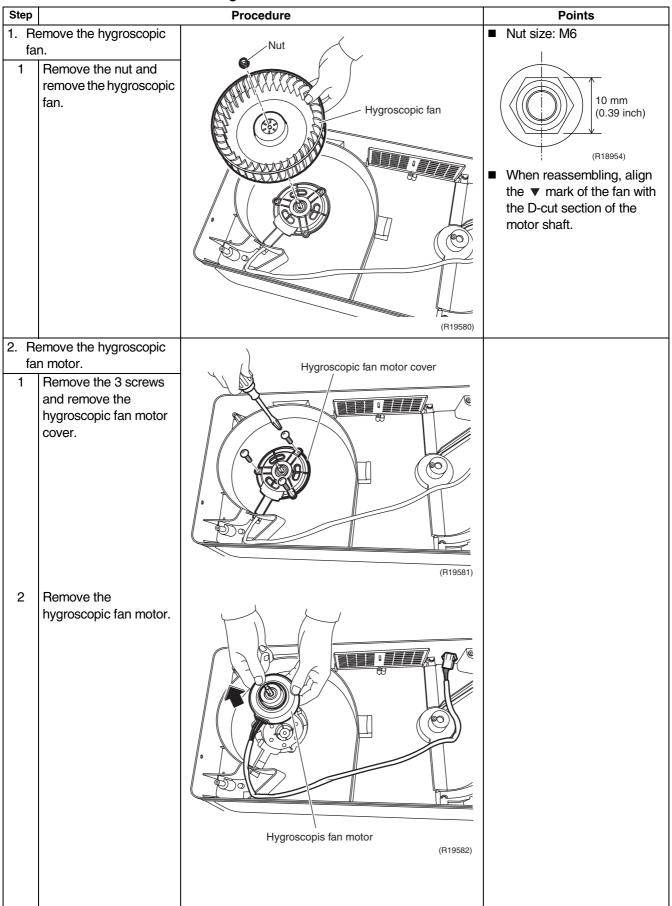


4. Hygroscopic Fan Motor



Warning

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

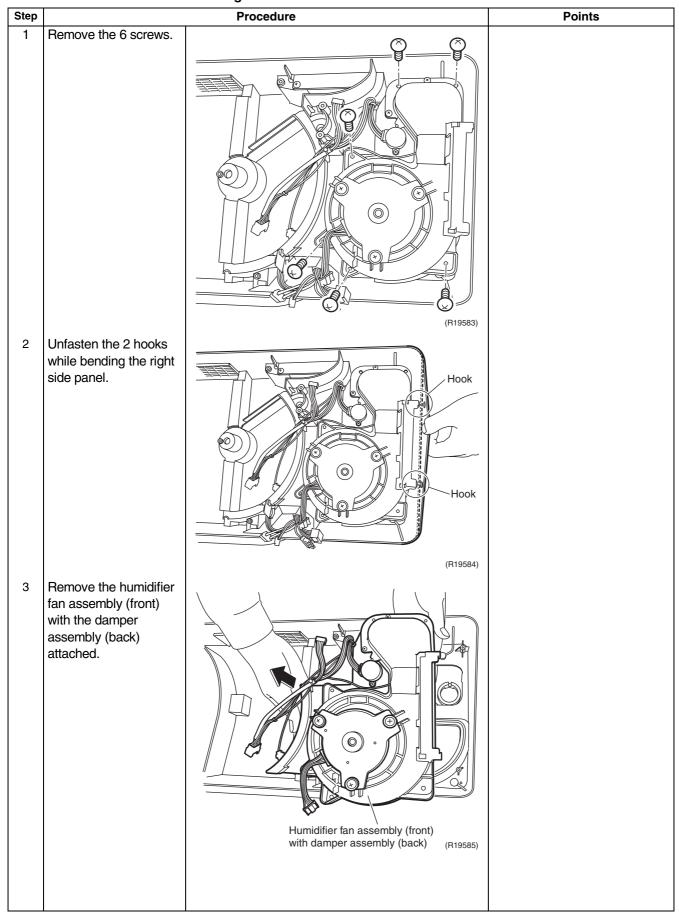


5. Humidifier Fan Assembly / Damper Assembly



Warning

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Step		Procedure	Points
4	Remove the 2 screws.	(R19586)	
5	Separate the humidifier fan assembly from the damper assembly.	Humidifier fan assembly Damper assembly	■ The humidifying fan assembly should be replaced as an assembly set. (Disassembling of the assembly can cause a noise.)
6	Disconnect the damper motor lead wire.	Damper motor lead wire	
7	Turn the damper assembly back and disconnect the terminals of the limit switch.	(R19588) Limit switch (R19589)	

6. Discharge Grille / Suction Grilles



/ Warning

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

Step	Procedure	Points
Remove the discharge grille (upper). Remove the 2 screws and remove the discharge grille (upper).	Discharge grille (upper) (R19590)	
Remove the suction grille (adsorption side).	Suction grille (adsorption side)	
1 Remove the screw and remove the suction grille (adsorption side).	(R19591)	
3. Remove the suction grille (humidifier side). 1 Remove the 2 screws and remove the suction grille (humidifier side).	Suction grille (humidifier side) (R19592)	

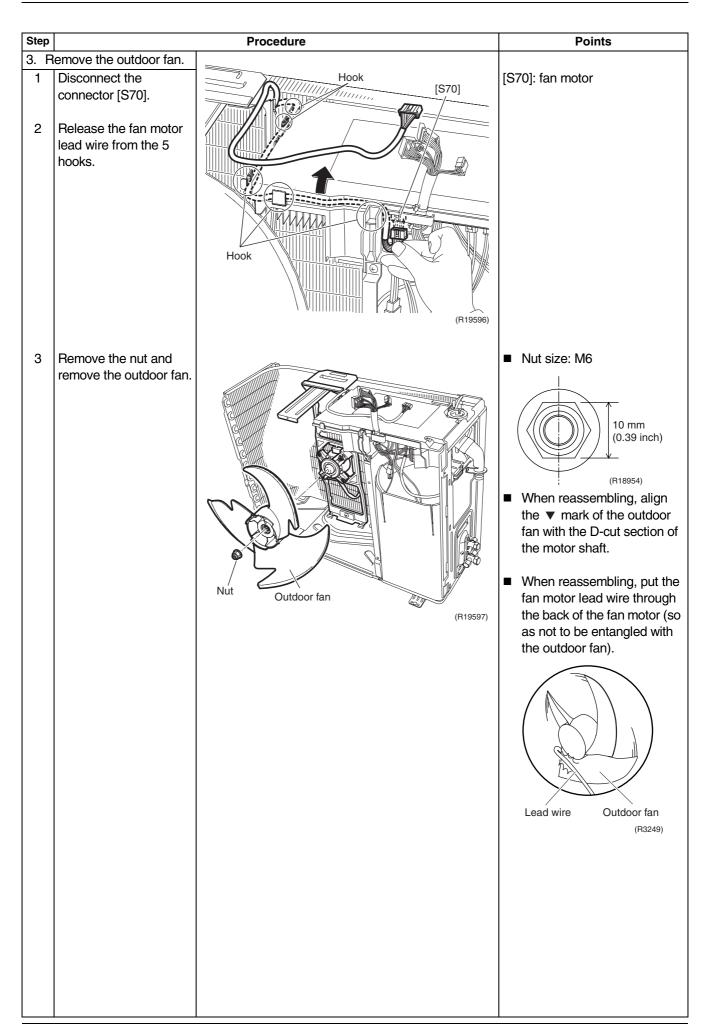
7. Outer Panels / Outdoor Fan / Fan Motor

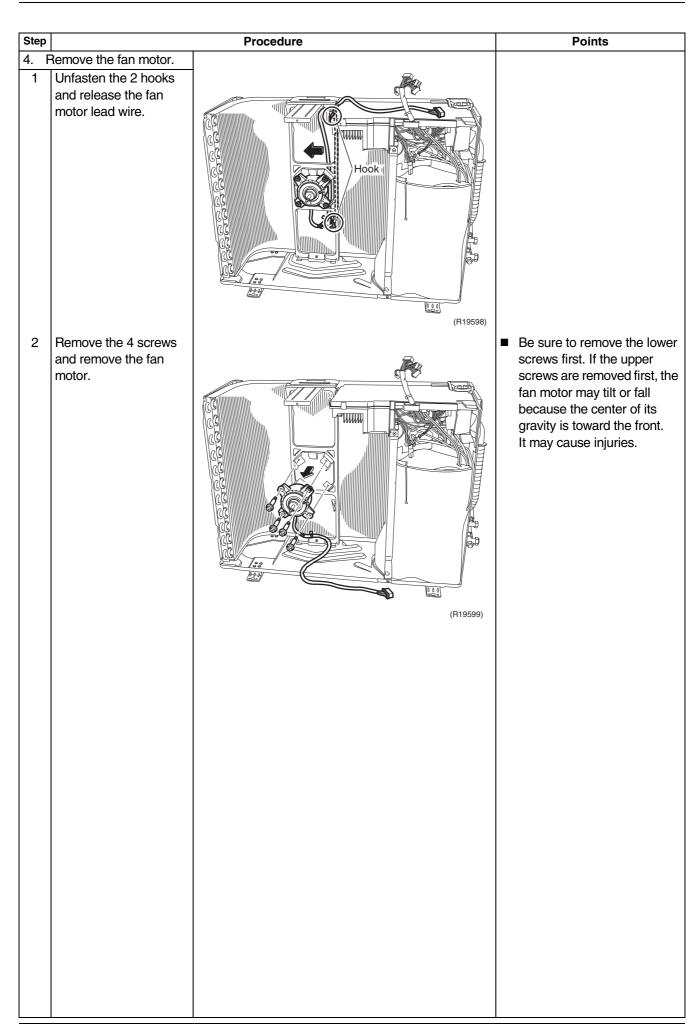


Warning

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

Step	Step Procedure Points			
	lemove the shield plate	,		
	nd the front panel. Release the humidifier	Shield plate		
2	unit relay harness from the fixing point on the shield plate. Lift and remove the shield plate.			
3	Remove the 6 screws of the front panel.	Front panel (R19593)		
4	Unfasten the 5 hooks and remove the front panel.	Hook (R19594)	■ When reassembling, make sure to fit the 5 hooks.	
	l emove the discharge			
g	rille (lower).			
2	Remove the 4 screws and slide the discharge grille (lower) upward. Unfasten the 6 hooks and remove the discharge grille.	Hook Discharge grille (lower) (R19595)		



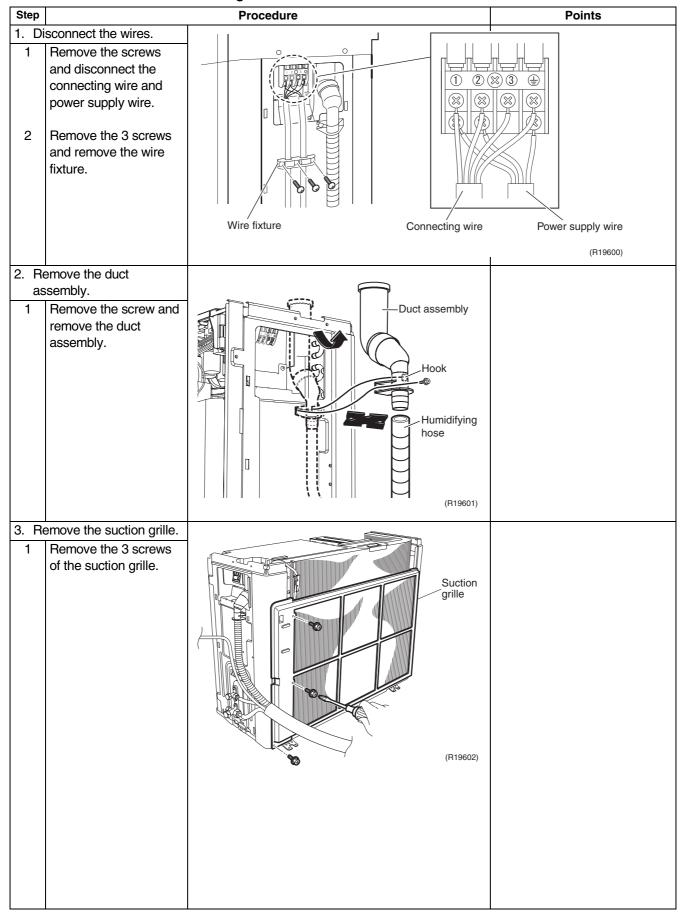


8. Duct Assembly / Right Side Panel



Warning

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Step		Procedure	Points
Step 2	Slide the suction grille to the right. Unfasten the 5 hooks and remove the suction grille.	Procedure (R19603)	■ When reassembling, make sure to fit the 5 hooks.
	emove the right side	(R19604) Outdoor temperature thermistor	
1 2 3	Detach the outdoor temperature thermistor. Remove the 3 screws on the right side panel. Remove the earth /		
4	ground screw.	(R19605)	Earth / ground screw (R20299)
4 5	Unfasten the 4 hooks and remove the right side panel. Remove the liquid piping and the gas	Right side panel Connecting wire	■ When reassembling, make sure to fit the 4 hooks.
	piping.	Gas piping Hook (R19606)	(R20300)

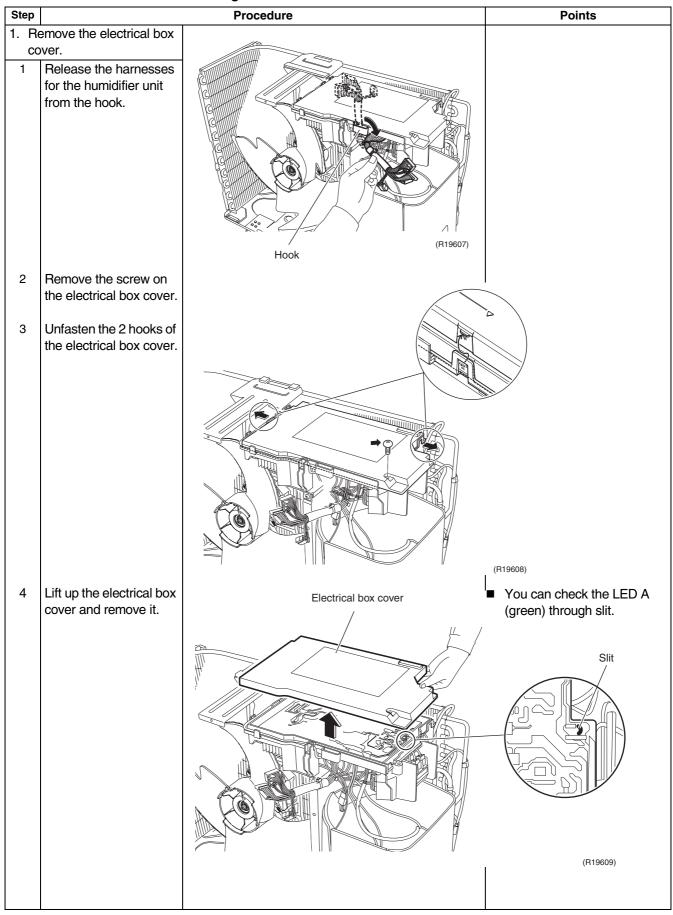
Electrical Box Si001362E

9. Electrical Box

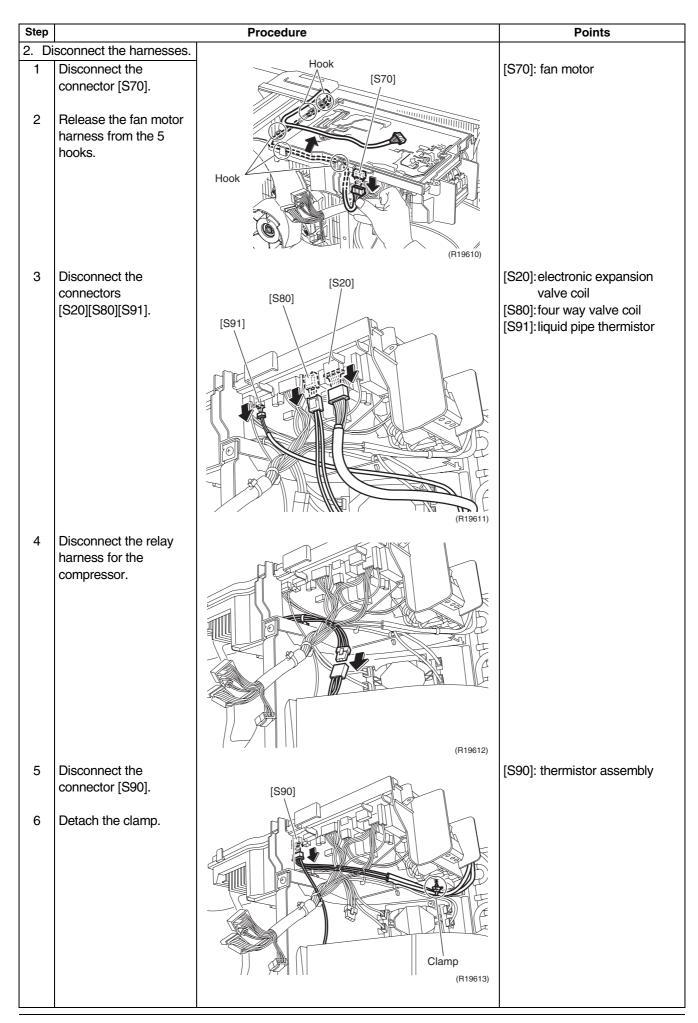


Warning

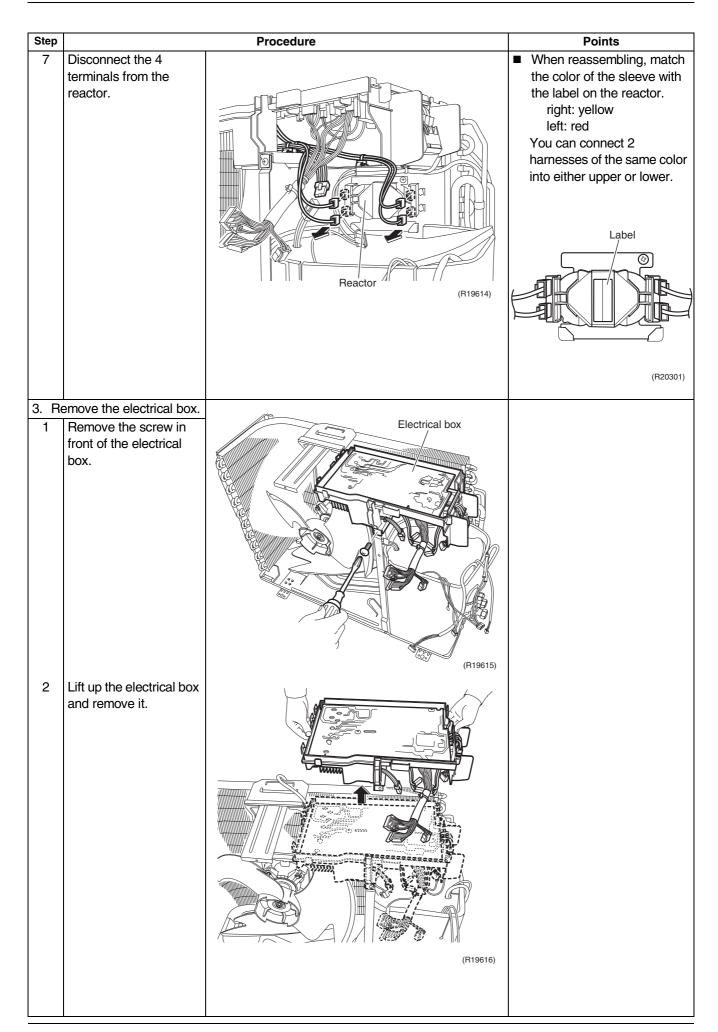
• Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



Si001362E Electrical Box



Electrical Box Si001362E



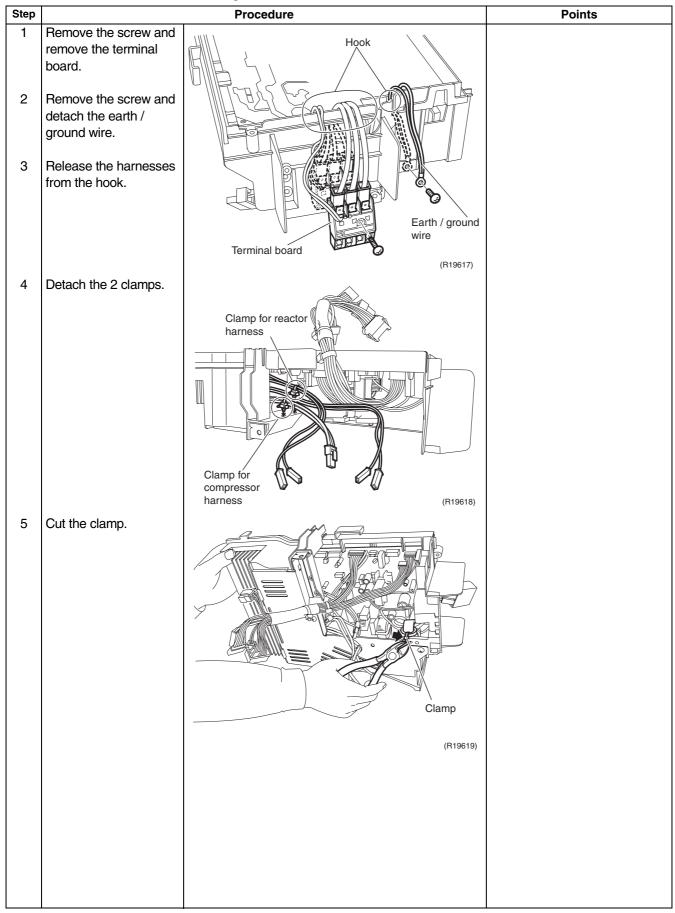
Si001362E PCB

10. PCB

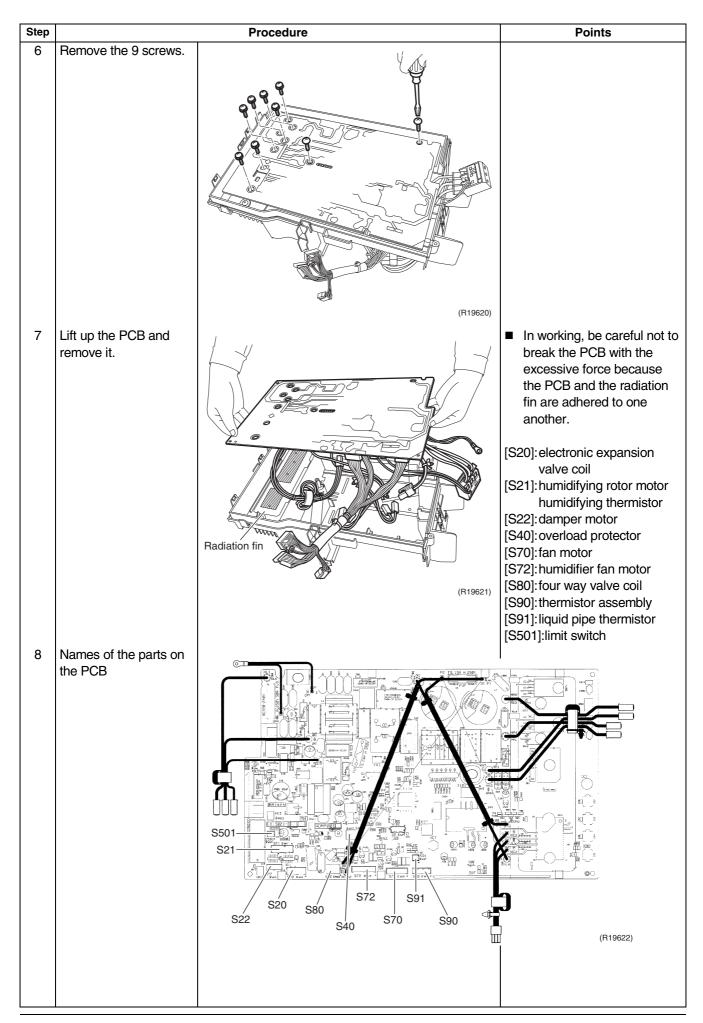


Warning

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PCB Si001362E

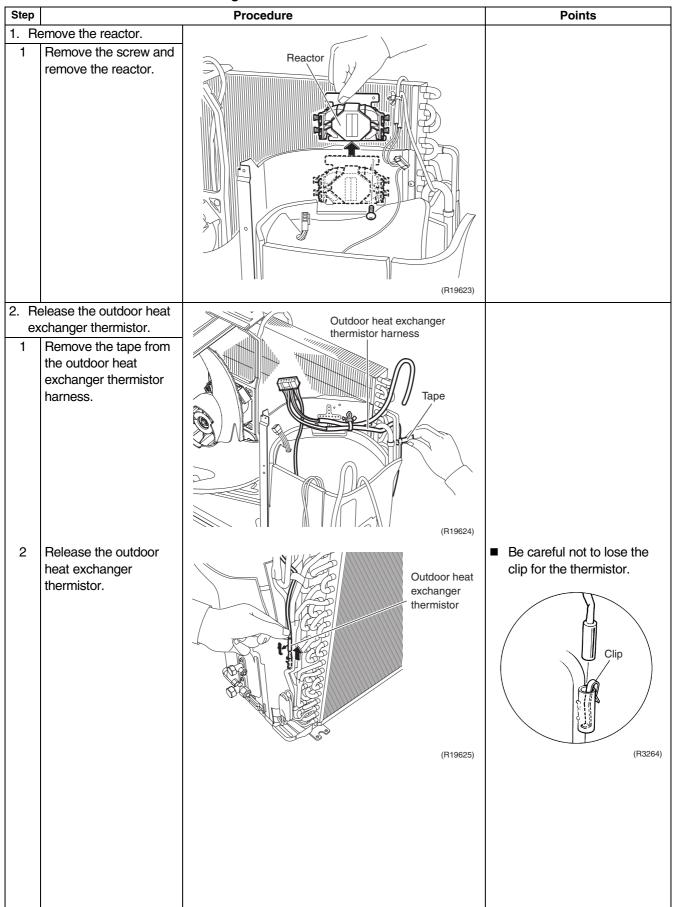


11. Reactor / Thermistor Assembly / Partition Plate

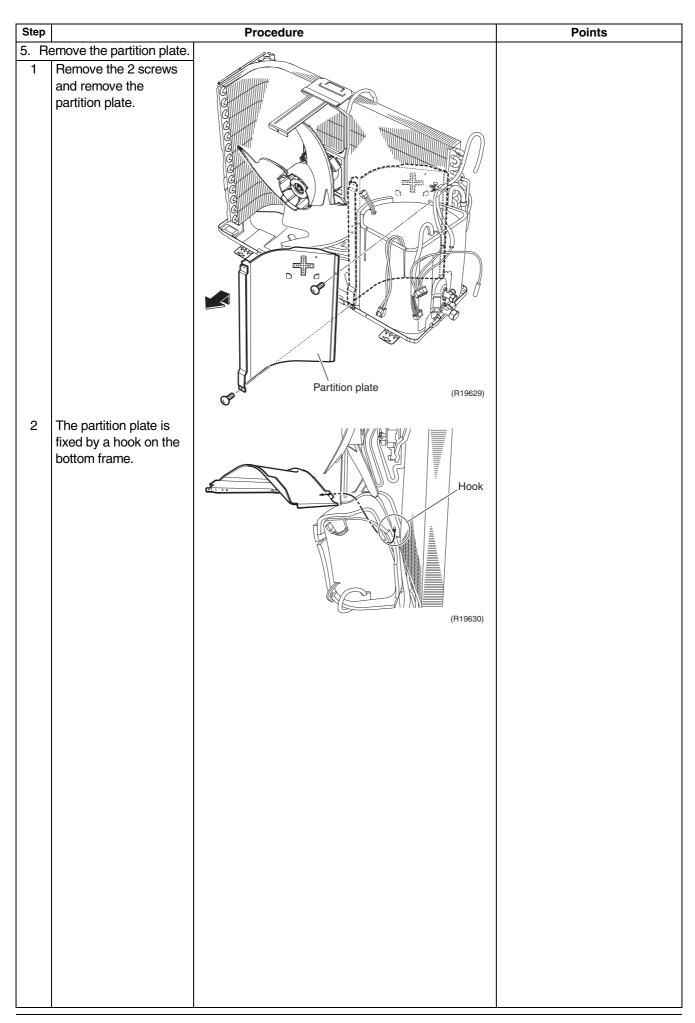


Warning

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



Step		Procedure	Points
	elease the discharge	Sound blanket (top)	■ Since the piping ports on
	pe thermistor.	/	the sound blanket are torn
1	Open the sound blanket (top).		easily, remove the sound blanket carefully.
2	Open the front of the sound blanket (outer).	Sound blanket (outer)	
	Data da ilia di angarana	(R19626)	- Be seed by the least the
3	Detach the discharge pipe thermistor.		Be careful not to lose the fixture for the discharge pipe thermistor.
		Discharge pipe thermistor	Fixture
		 	
		(R19627)	(R18789)
			■ When reassembling, meet the edge of the thermistor and the fixture.
	elease the liquid pipe ermistor.	Liquid pipe thermistor	
1	Open the right side of the sound blanket (outer).		Be careful not to lose the clip for the thermistor.
2	Detach the liquid pipe thermistor.		Clip
		(R19628)	(R3264)
		(H19628)	



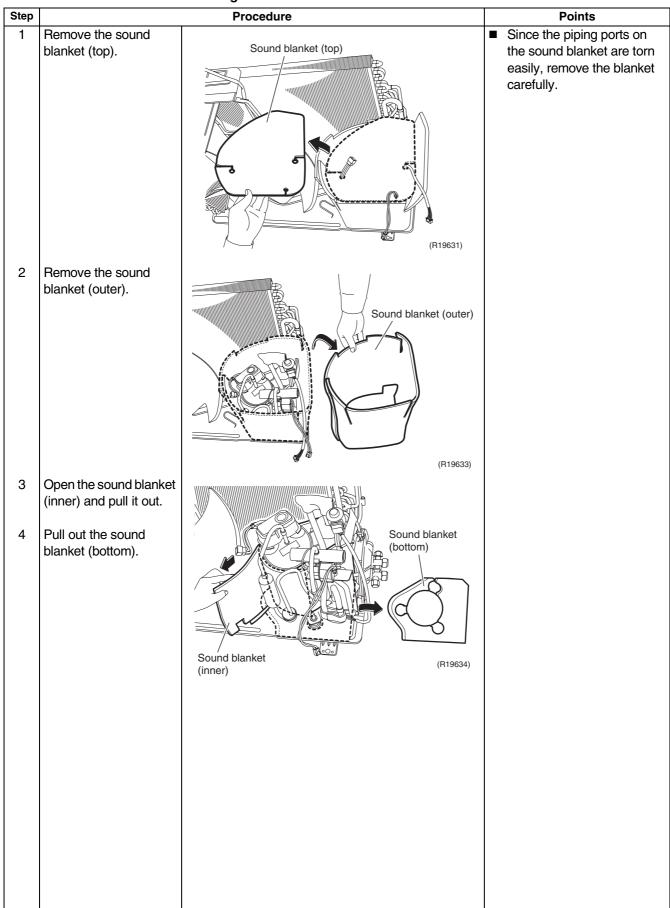
Sound Blankets Si001362E

12. Sound Blankets



Warning

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



13. Four Way Valve / Electronic Expansion Valve



Warning

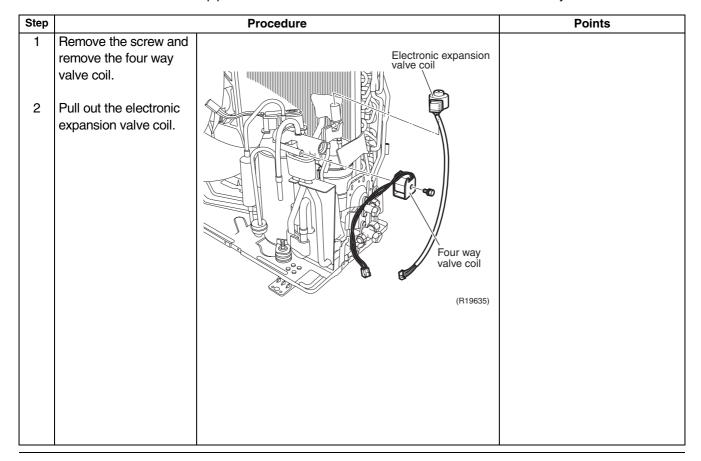
- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
- If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant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

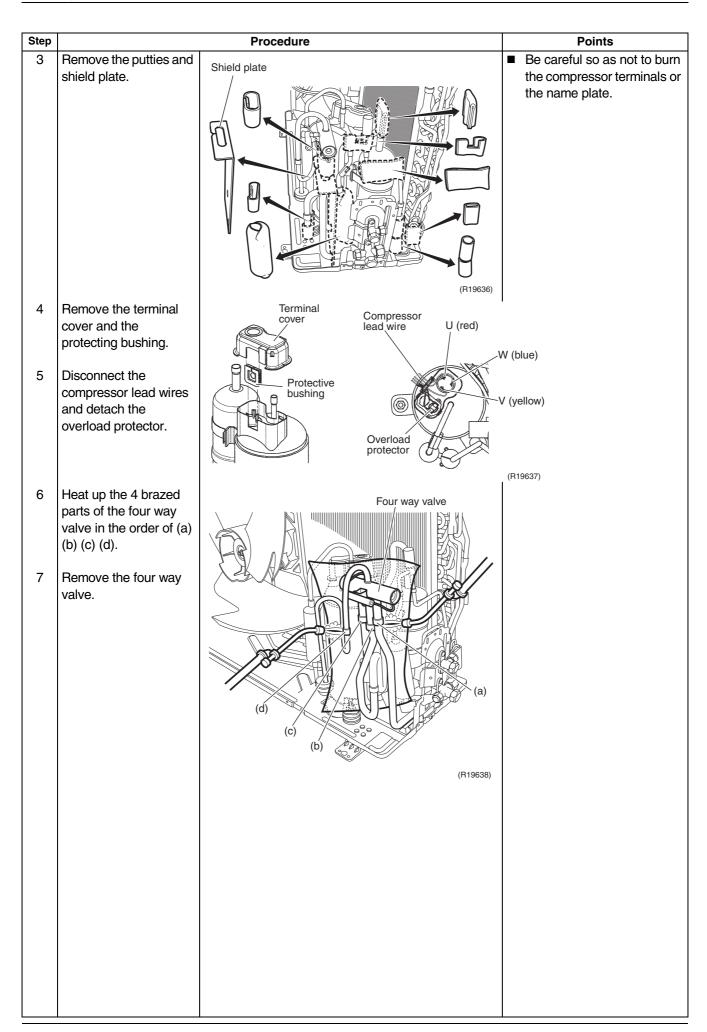


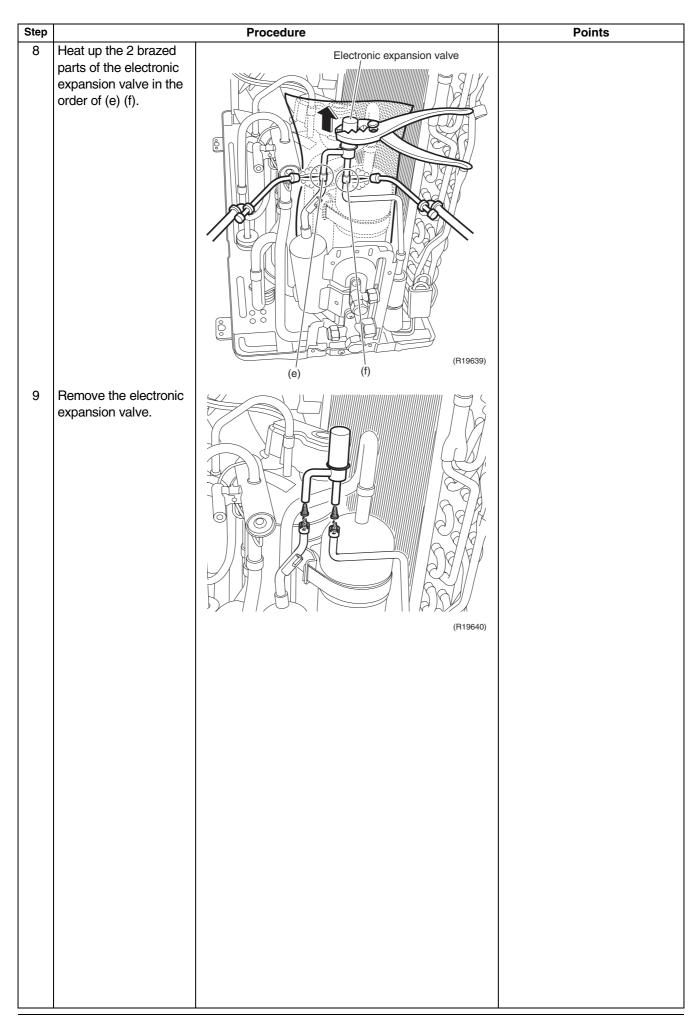
- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- · Cautions for restoration
 - 1. Restore the piping by non-oxidation brazing.
 - It is required to prevent the carbonization of the oil inside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



- 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.







Compressor Si001362E

14. 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.



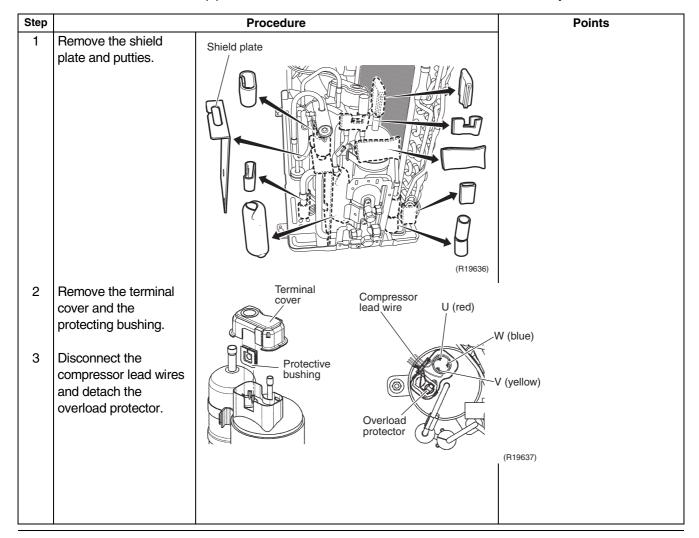
Caution

- 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.

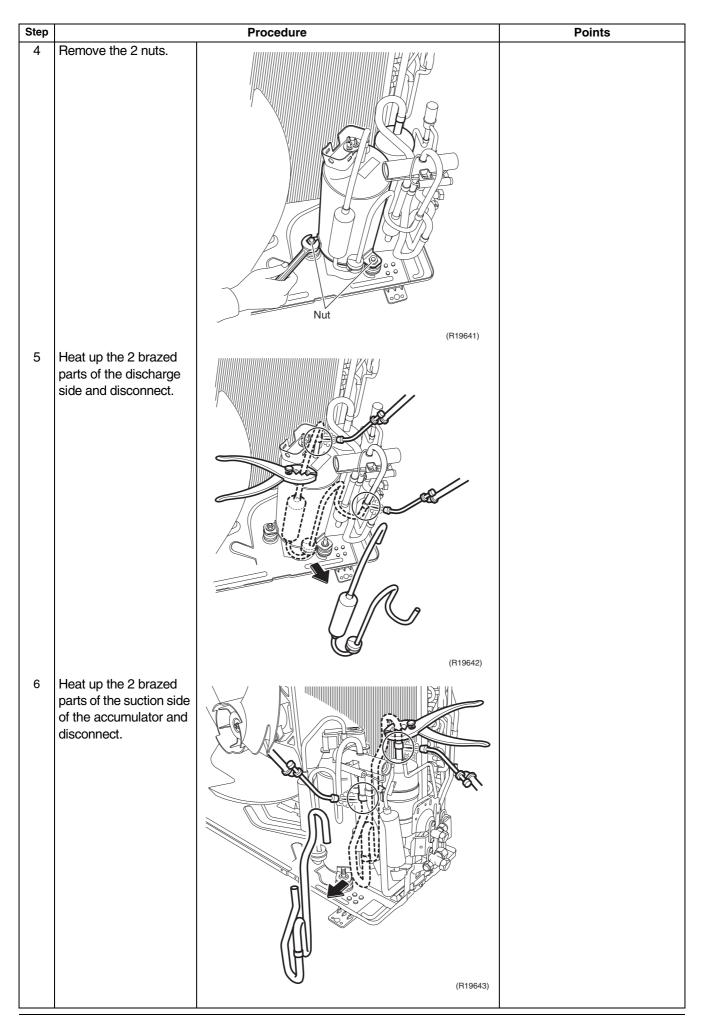


Note

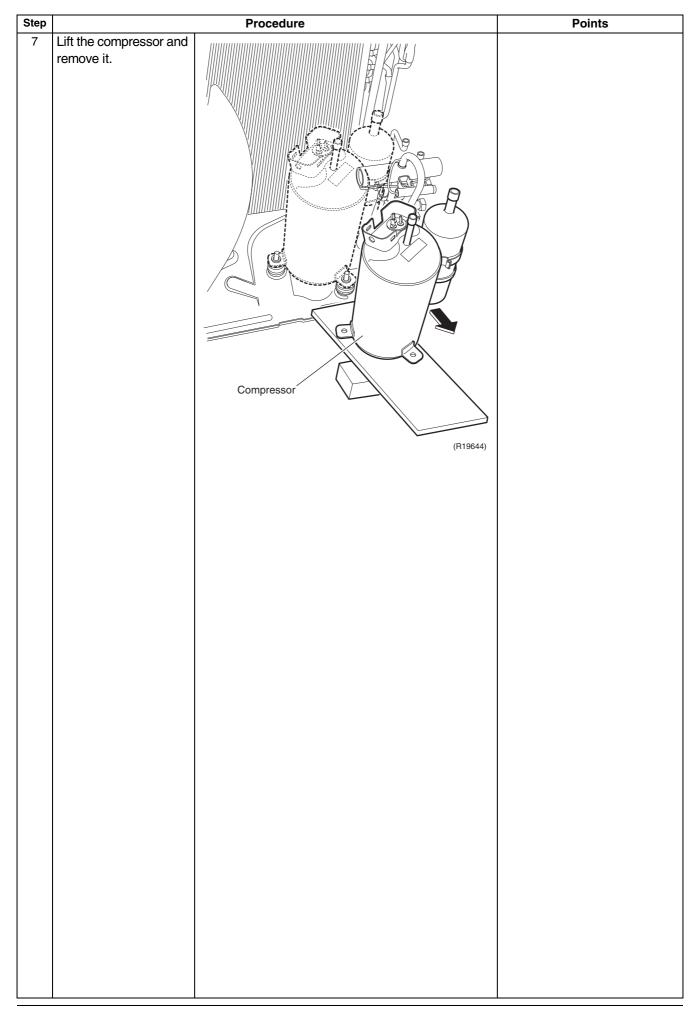
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- In case of difficulty with gas brazing machine.
 - 1. Disconnect the brazed part where is easy to disconnect and restore.
 - 2. Cut pipes on the main unit with a tube cutter in order to make it easy to disconnect.



Si001362E Compressor



Compressor Si001362E



Revision History

Month / Year	Version	Revised contents
03 / 2014	Si001362E	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, 9333, Japan

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

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