

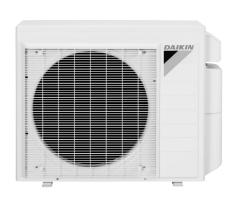


18000/24000/36000 Btu/h Class

Outdoor Unit

Inverter

Multi Type



Service Manual Removal Procedure

Outdoor Unit

●Heat Pump 2MXS18NMVJU 3MXS24NMVJU 4MXS36NMVJU

2MXL18QMVJU 3MXL24QMVJU

Table of Contents

1.	Outer Panels	2
2.	Outdoor Fan / Fan Motor	4
3.	Right Side Panel / Electrical Box	6
4.	PCBs	.11
5.	Thermistor ASSYs	.16
6.	Electronic Expansion Valve Coil ASSY	.18
7.	Partition Plate / Sound Blankets	.19
8.	Four Way Valve	.21
9.	Compressor	.23

Not

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

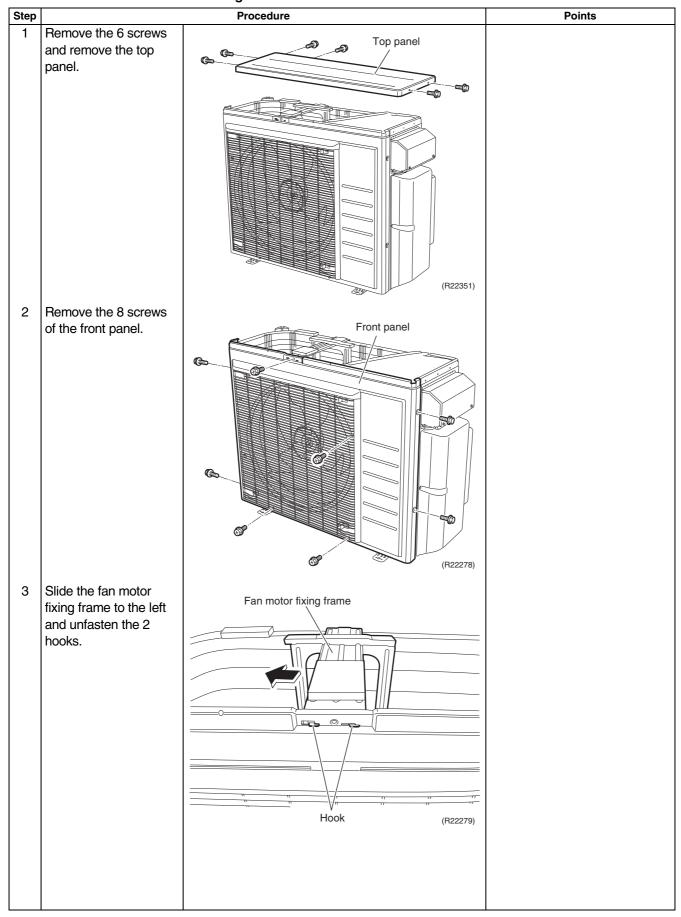
Outer Panels Si121558EA

1. Outer Panels

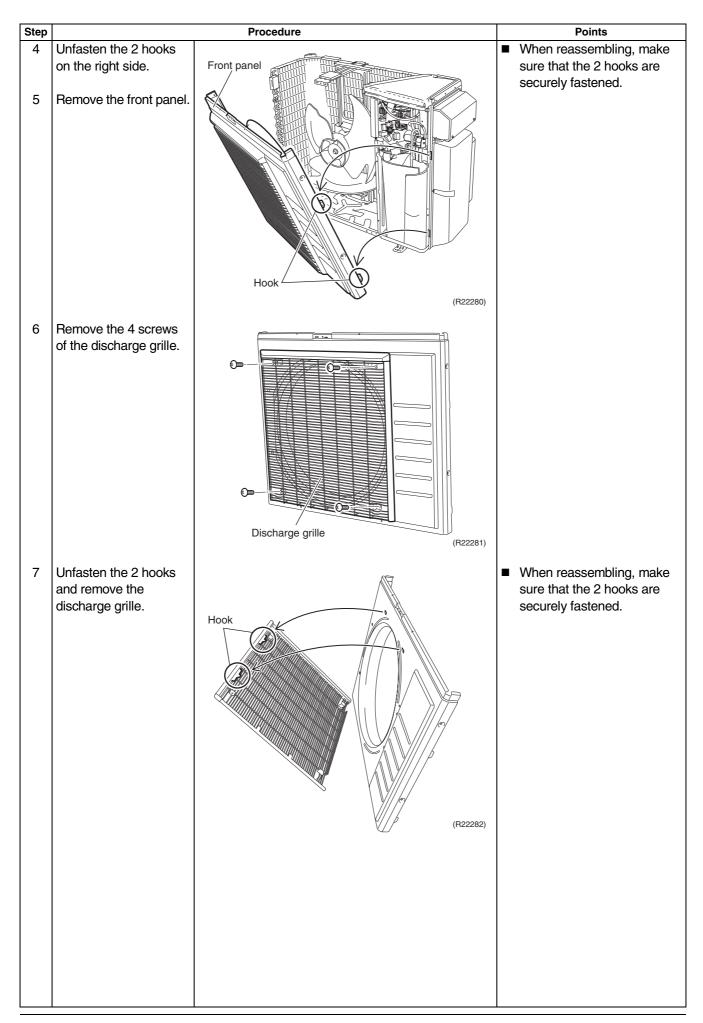


Warning

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



Si121558EA Outer Panels



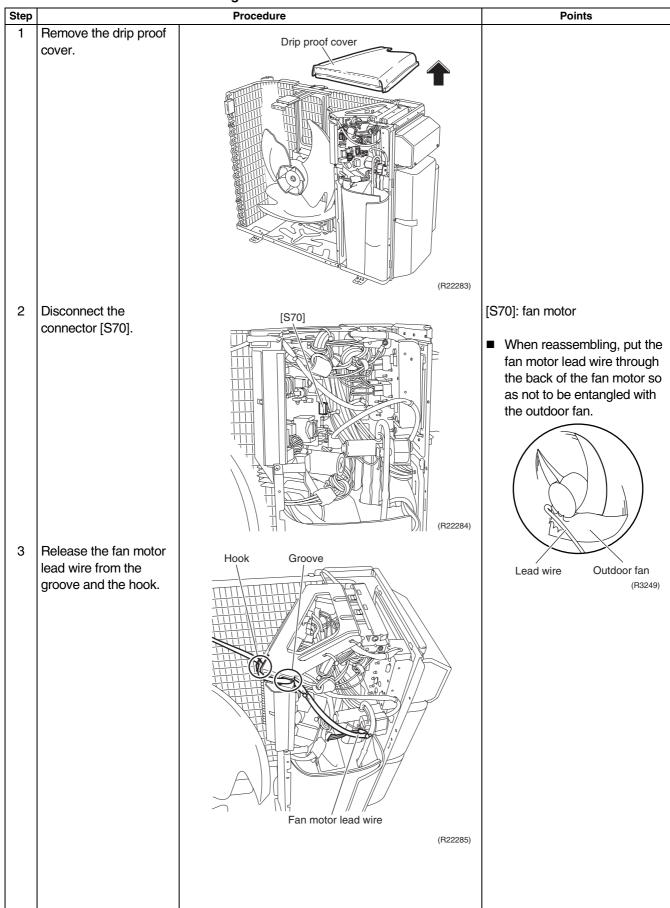
Outdoor Fan / Fan Motor Si121558EA

2. Outdoor Fan / Fan Motor

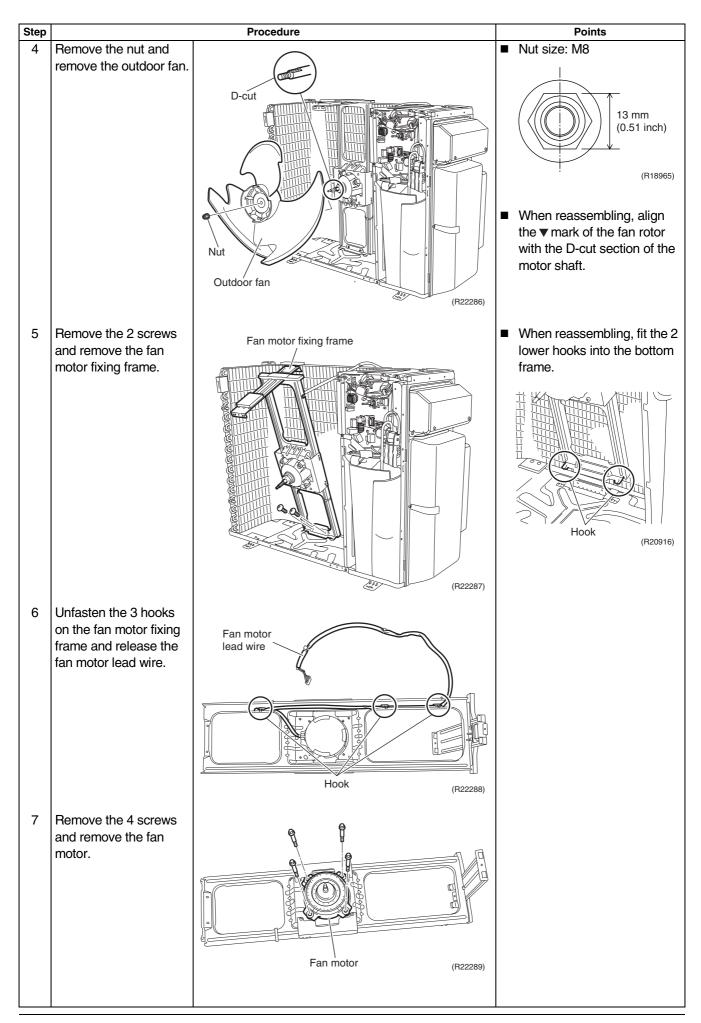


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Si121558EA Outdoor Fan / Fan Motor

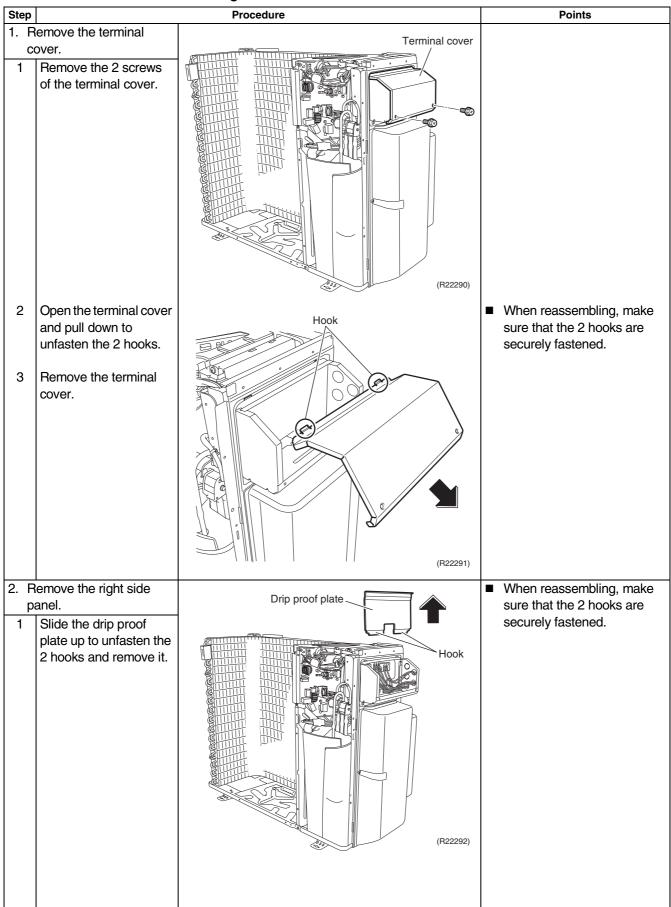


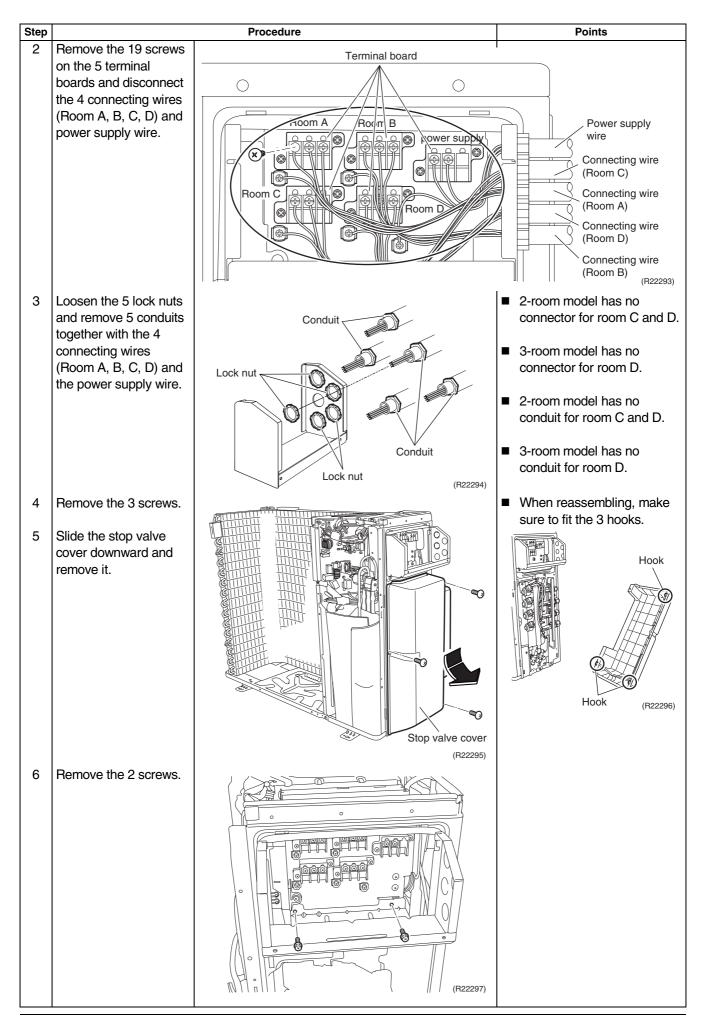
3. Right Side Panel / Electrical Box

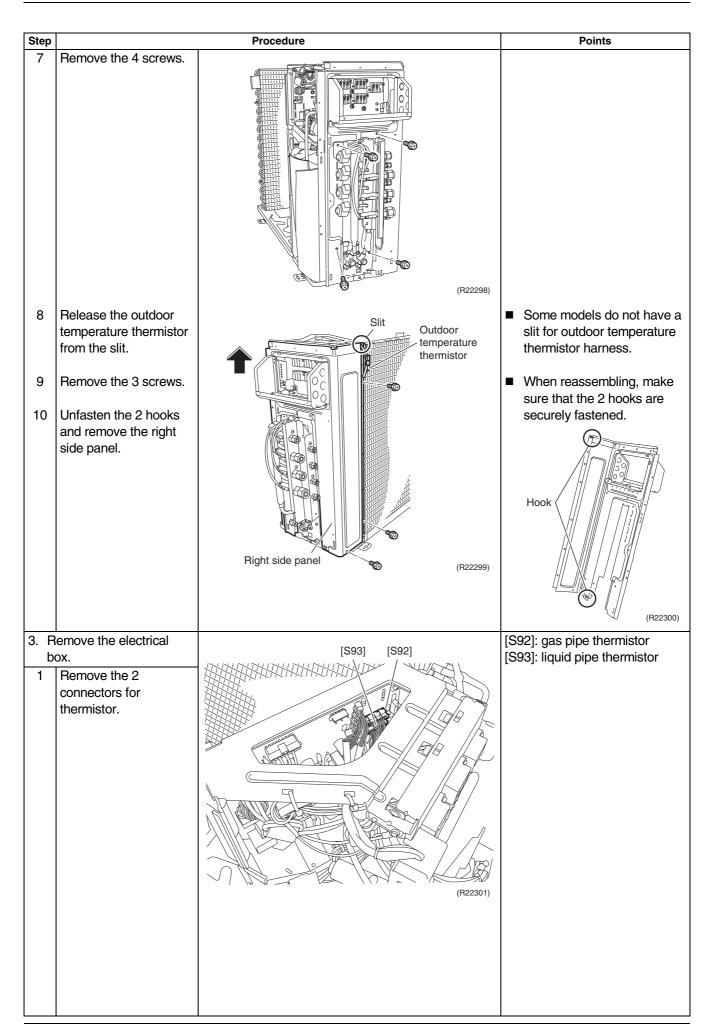


Warning

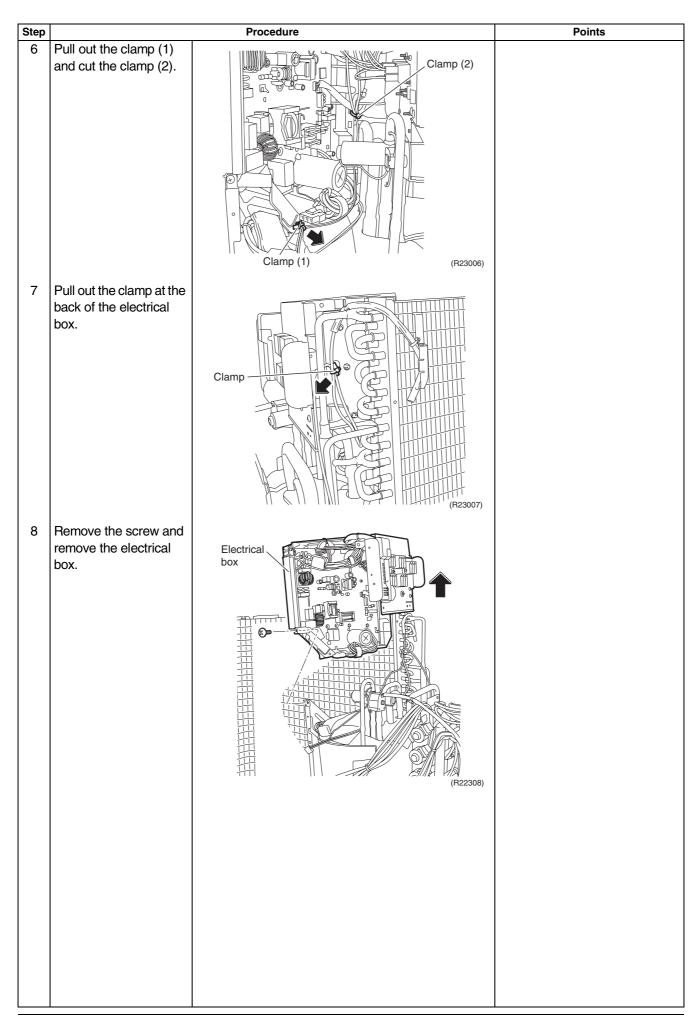
• Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.







Step		Procedure	Points
2	Disconnect the 4	[S22] [S23]	[S20] (white): room A
	connectors for		[S21] (red): room B
	electronic expansion	[S21]	[S22] (blue): room C
	valve coil.		[S23] (yellow): room D
		[S20]	
			2-room model does not have
			[S22], [S23].
			3-room model does not have
			[S23].
		(R22302)	
	D :	, ,	10001
3	Disconnect the		[S80]: four way valve coil
	connector [S80] and		
	pull out the clamp.		
		Clamp	
		[S80] (R22303)	
		[S80] (R22303)	
4	Disconnect the	[S40]	[S40]: overload protector
	connector [S40].		
		(R22304)	
5	Disconnect the relay		
	connector for		
	compressor.		
		Relay connector (R22305)	
L	<u> </u>		



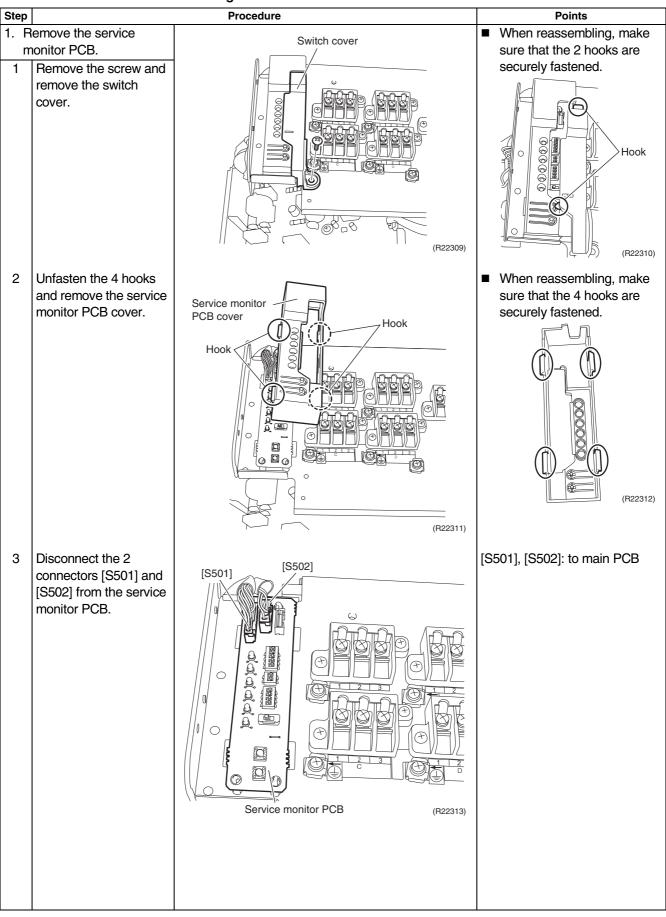
Si121558EA PCBs

4. PCBs

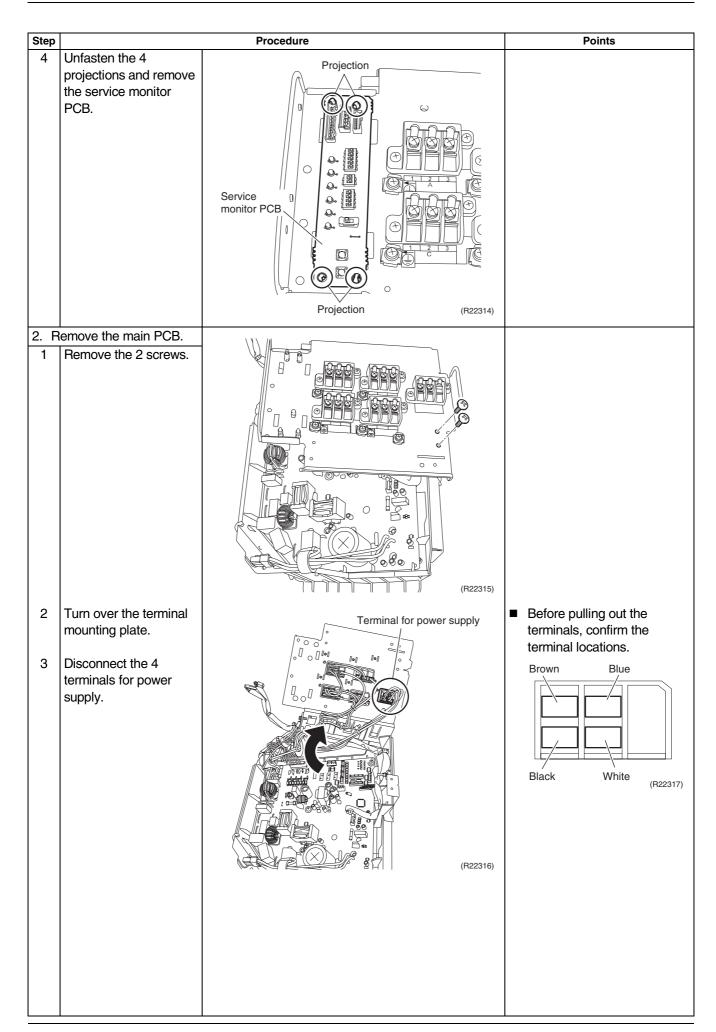


Warning

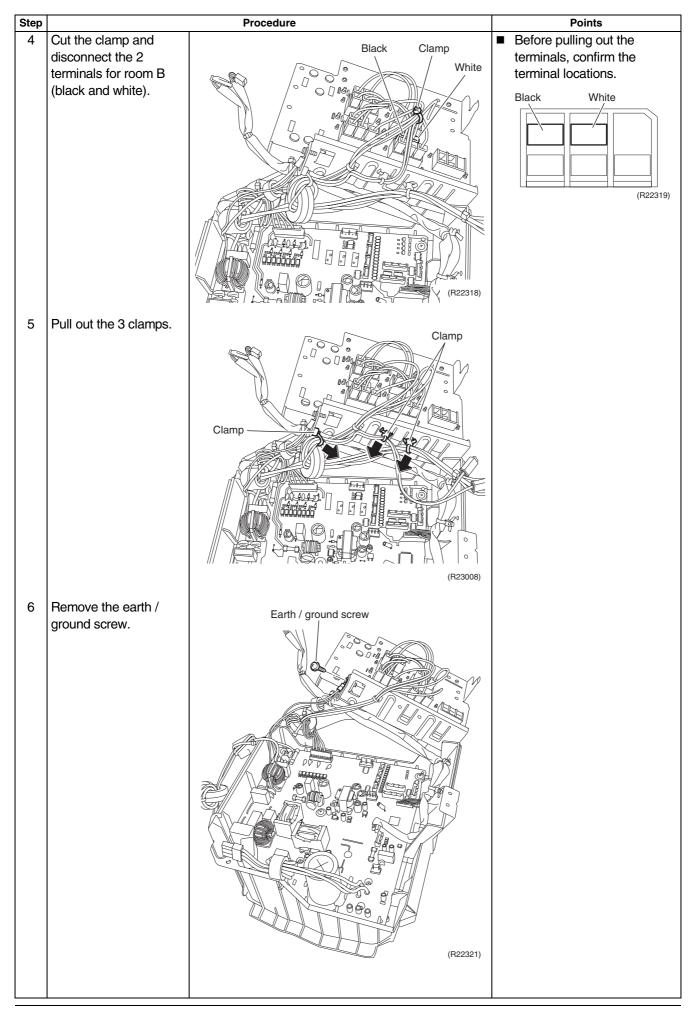
• Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



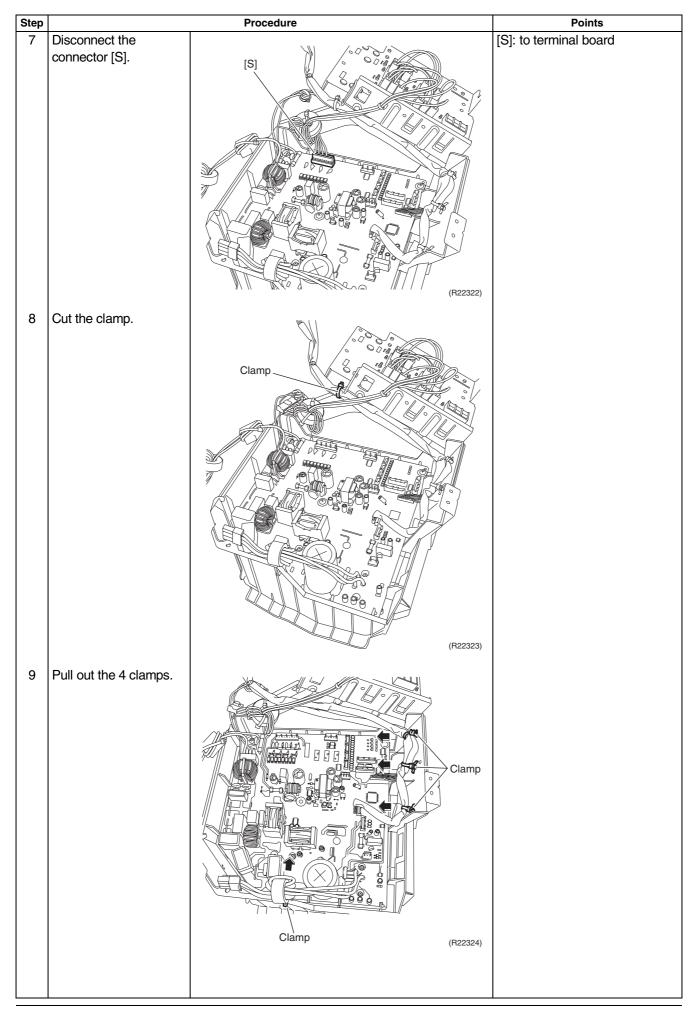
PCBs Si121558EA



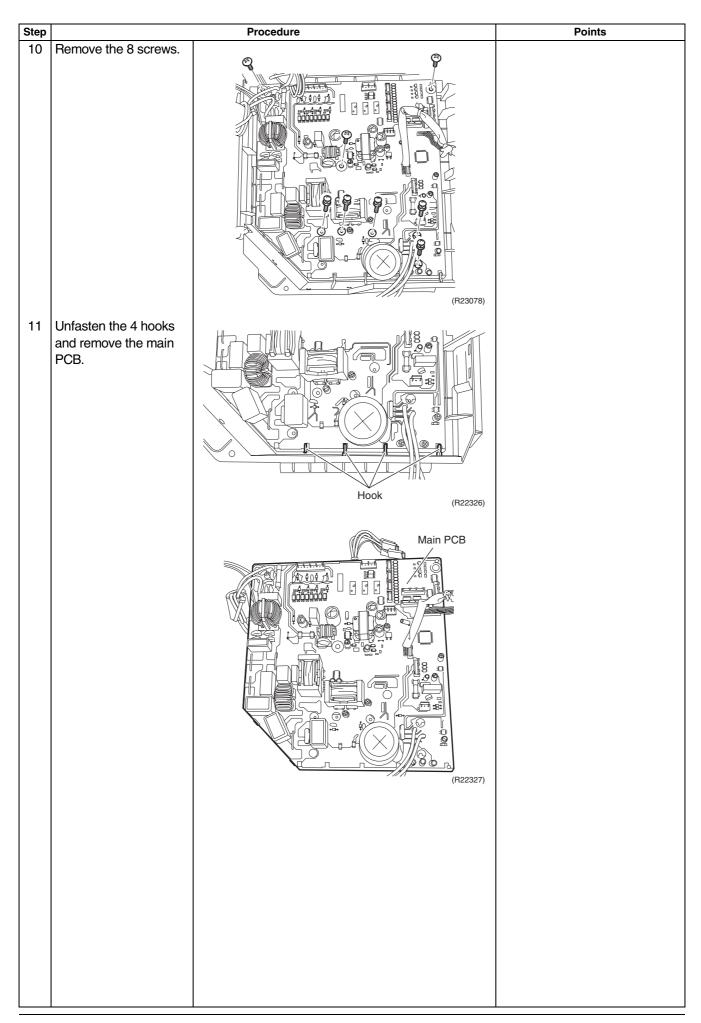
Si121558EA PCBs



PCBs Si121558EA



Si121558EA PCBs



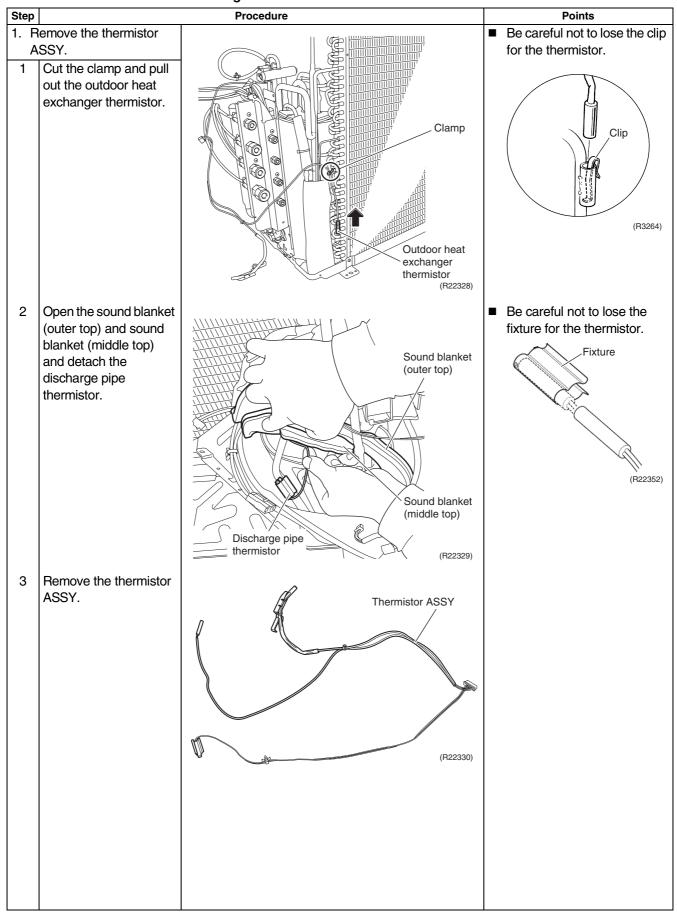
Thermistor ASSYs Si121558EA

5. Thermistor ASSYs

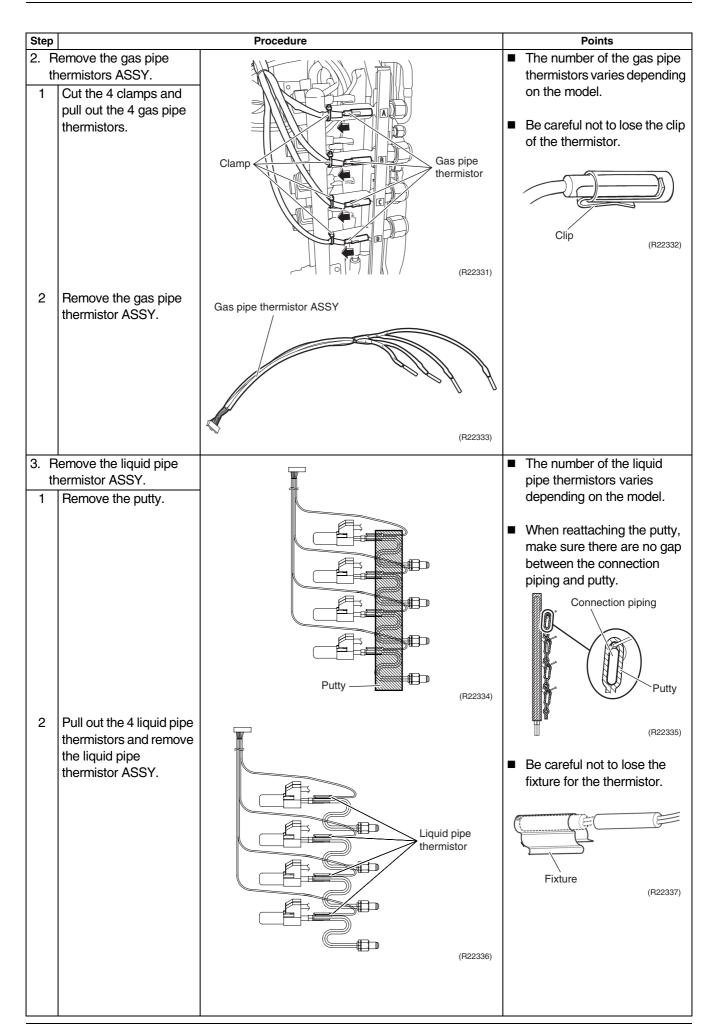


Warning

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



Si121558EA Thermistor ASSYs



6. Electronic Expansion Valve Coil ASSY



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.

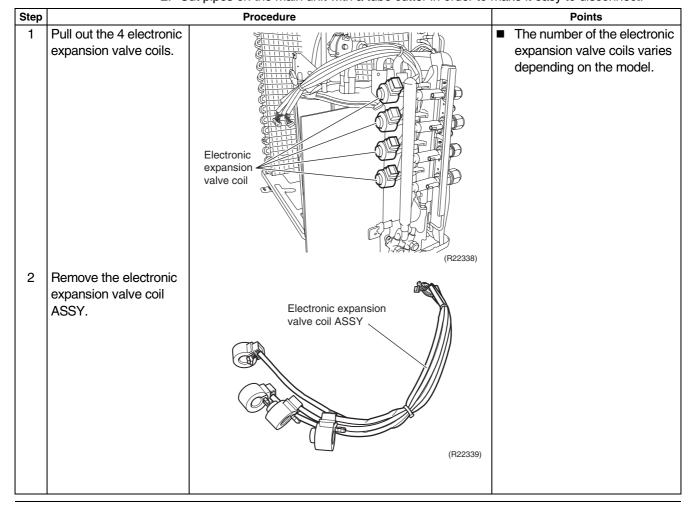


Caution

- 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.
- 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.

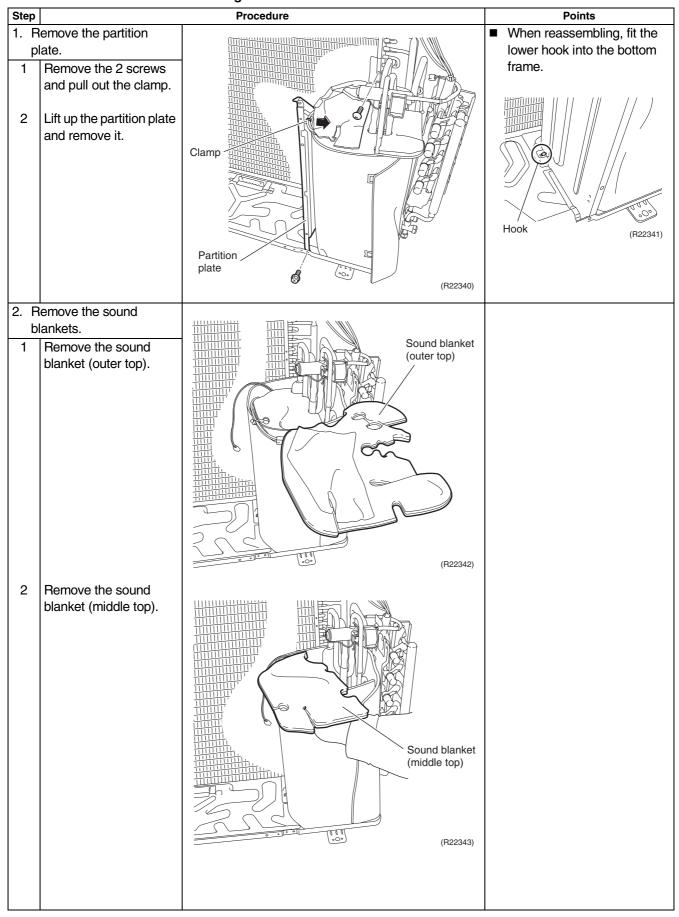


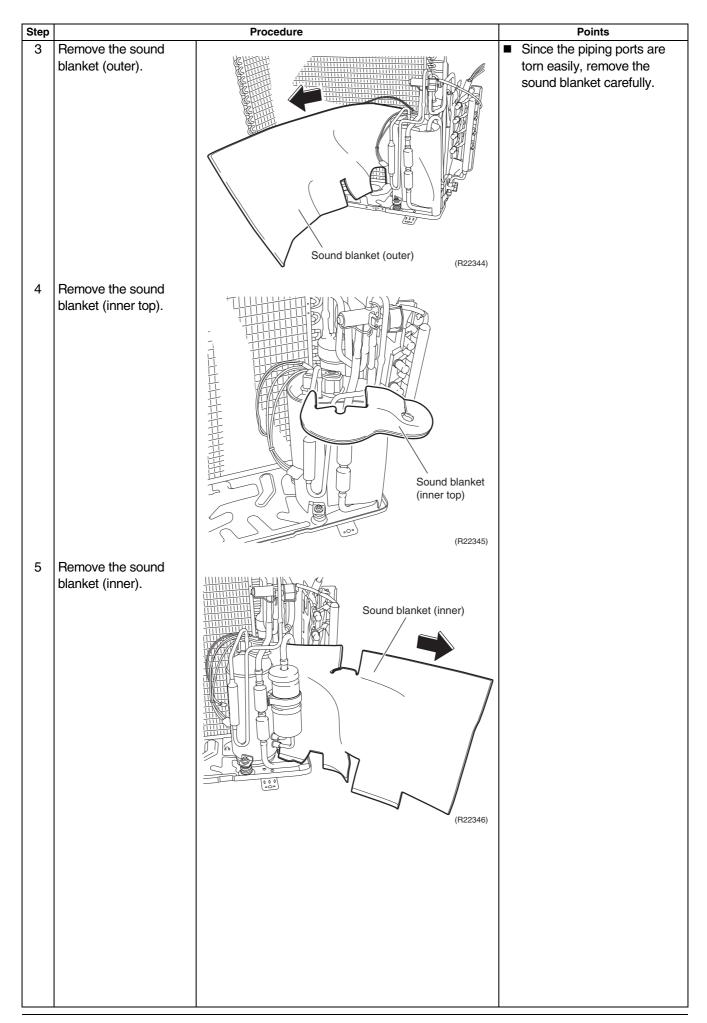
7. Partition Plate / Sound Blankets



Warning

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





Si121558EA Four Way Valve

8. Four Way Valve



Warning

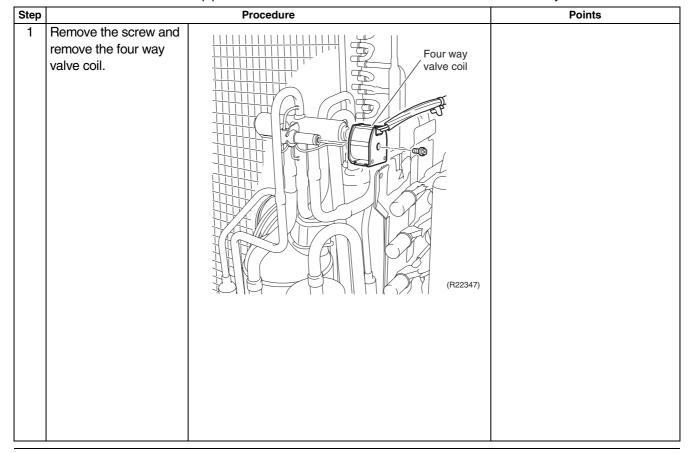
- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
- If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant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



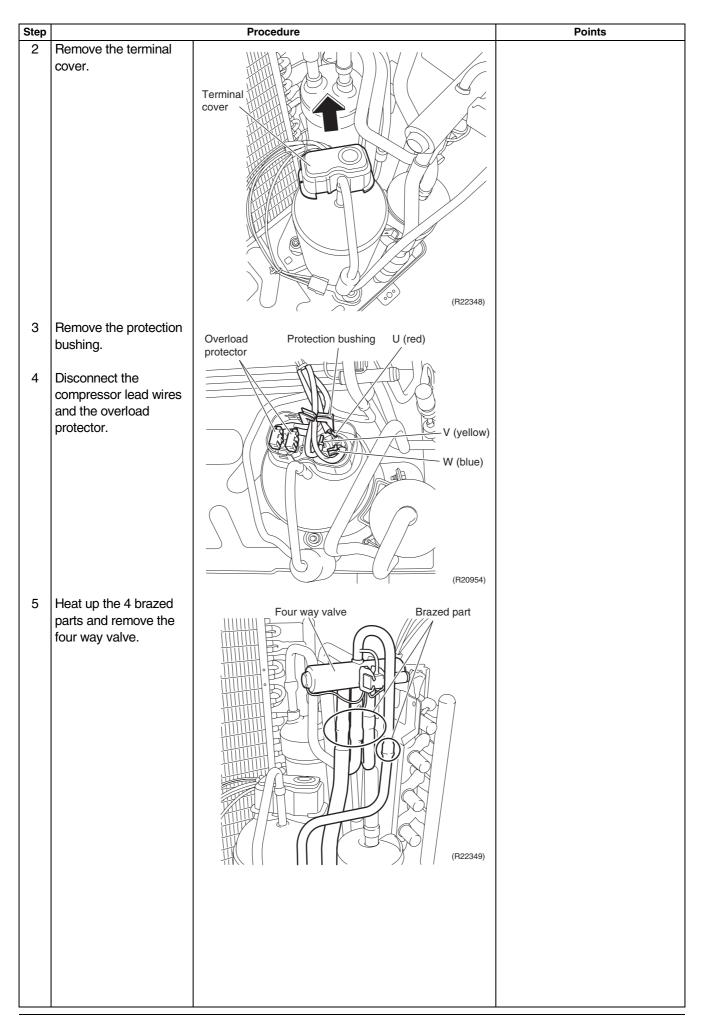
- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- Cautions for restoration
 - 1. Restore the piping by non-oxidation brazing.
 - It is required to prevent the carbonization of the oil inside the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



Four Way Valve Si121558EA



Si121558EA Compressor

9. Compressor



Warning

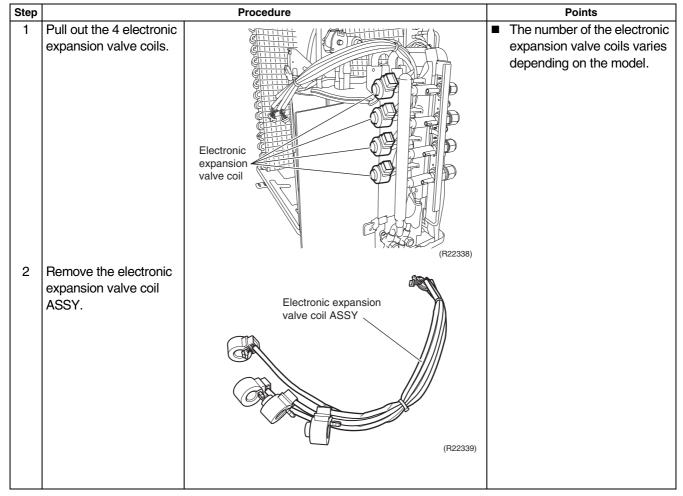
- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
- If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant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



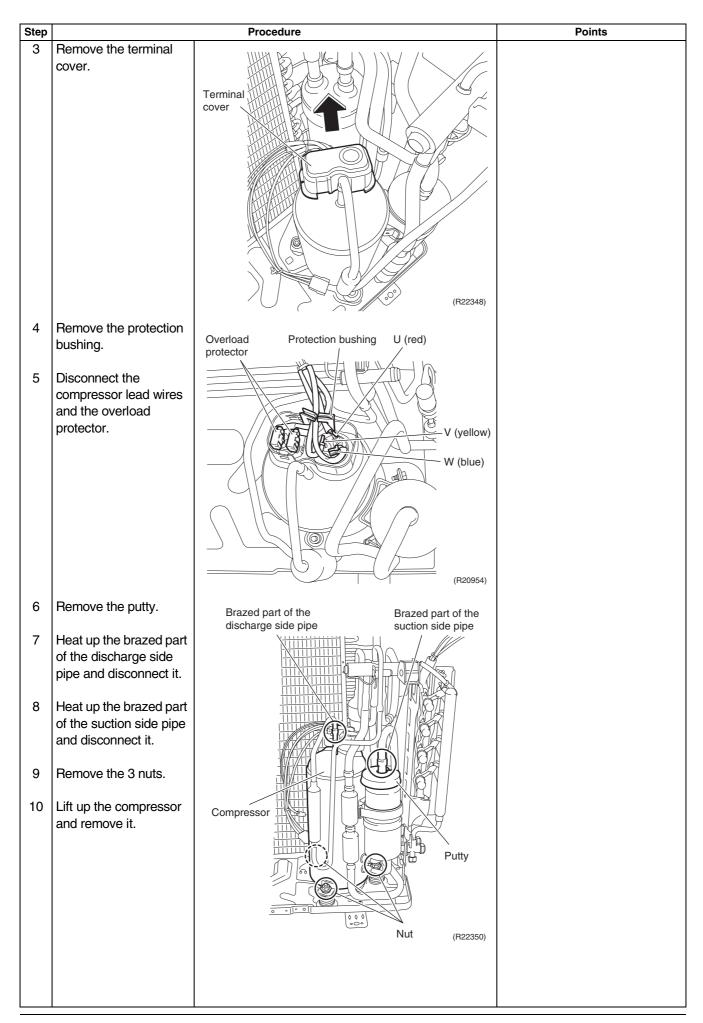
- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- · Restore the piping by non-oxidation brazing.



- Before working, make sure that the refrigerant gas is empty in the circuit.
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 - 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 Si121558EA



Revision History

Month / Year	Version	Revised contents
08 / 2015	Si121558E	First edition
02 / 2016	Si121558EA	Model Addition: 2MXL18QMVJU, 3MXL24QMVJU



- 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

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