



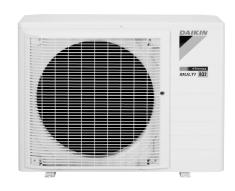
SERVICE MANUAL

5.6/6.2/6.5/7.5/8.0/9.0 kW Class 24000/28000 Btu/h Class

Outdoor Unit

Inverter / Hybrid

Multi Type



Service Manual Removal Procedure

Outdoor Unit

Cooling Only

MKM24PV2S MKM28PV2S

MKM65PV14 MKM80PV14

MKM65PV1G MKM80PV1G

MV62PV1G

● Heat Pump 2MXM56PVLT

3MXM90PVLT

2MXM75PVLT

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

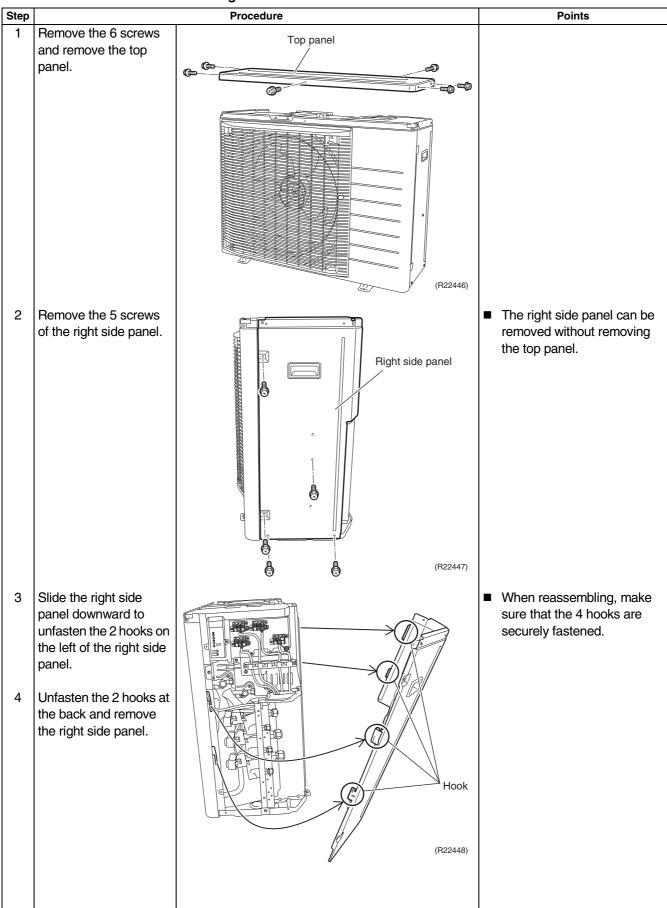
Outer Panels Si121561E

1. Outer Panels

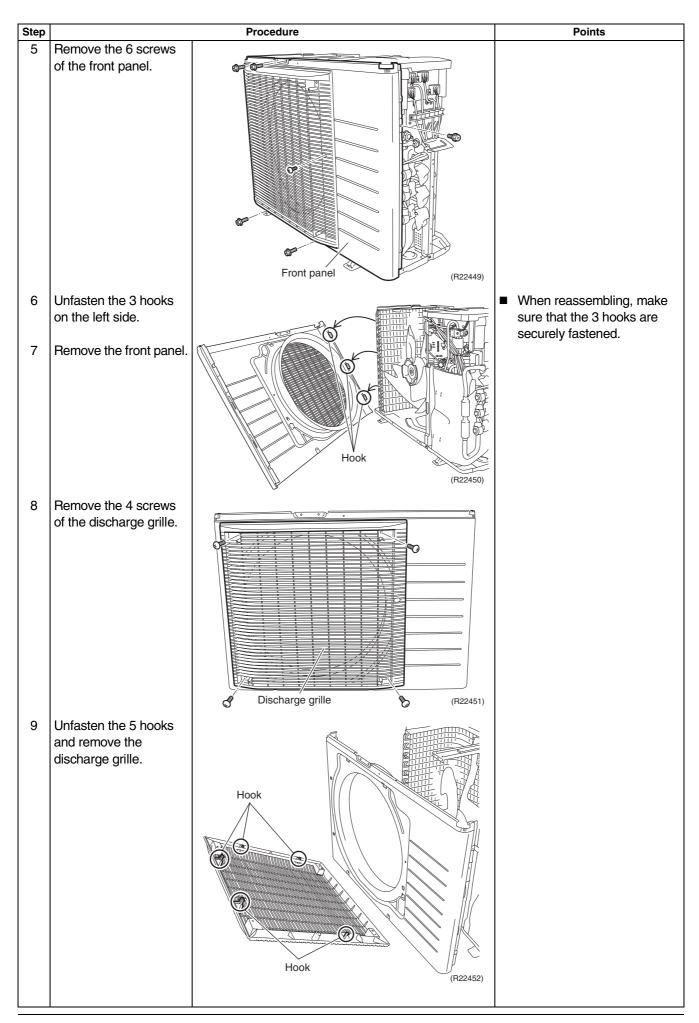


Warning

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



Si121561E Outer Panels



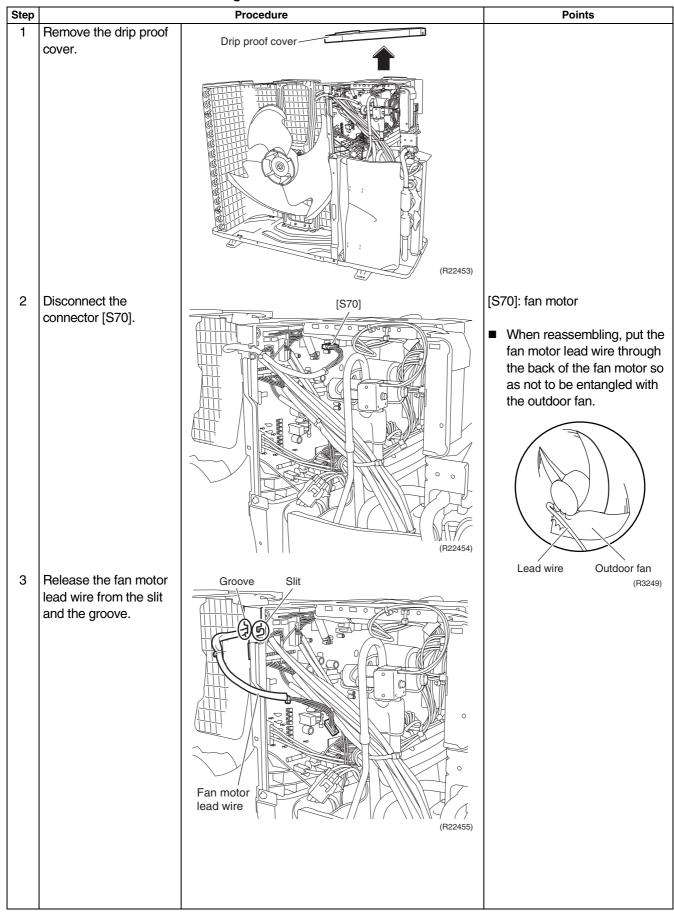
Outdoor Fan / Fan Motor Si121561E

2. Outdoor Fan / Fan Motor

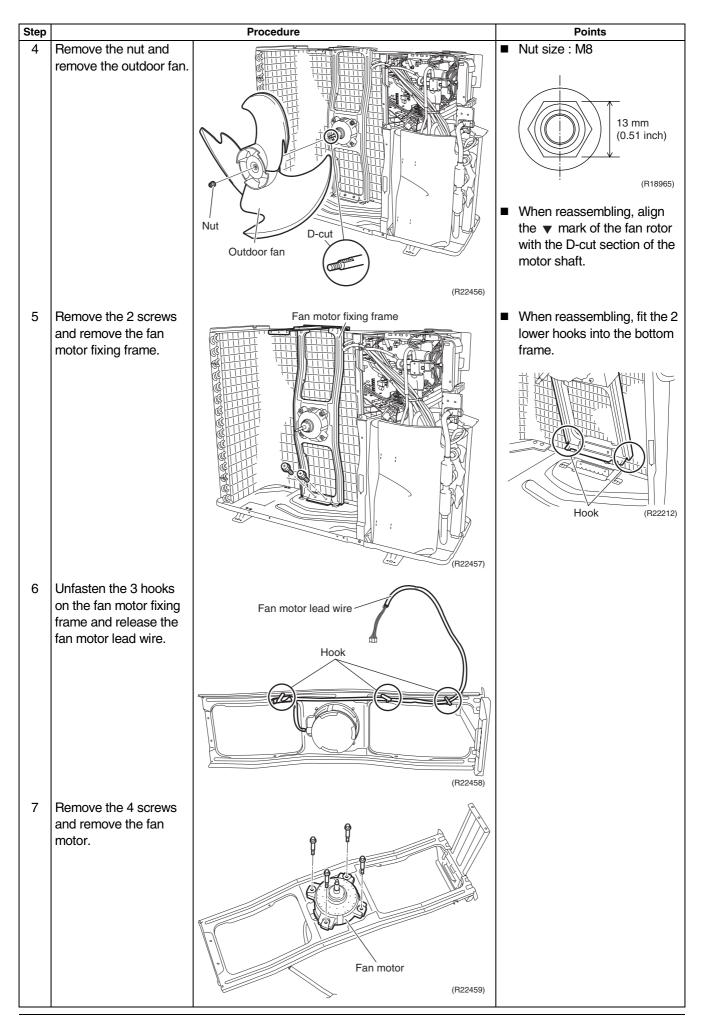


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Si121561E Outdoor Fan / Fan Motor

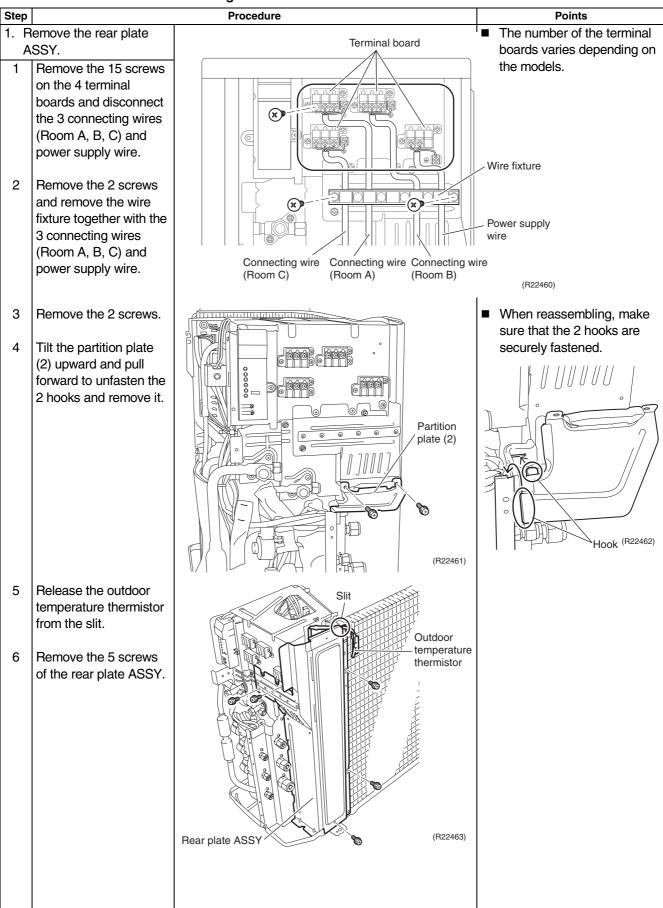


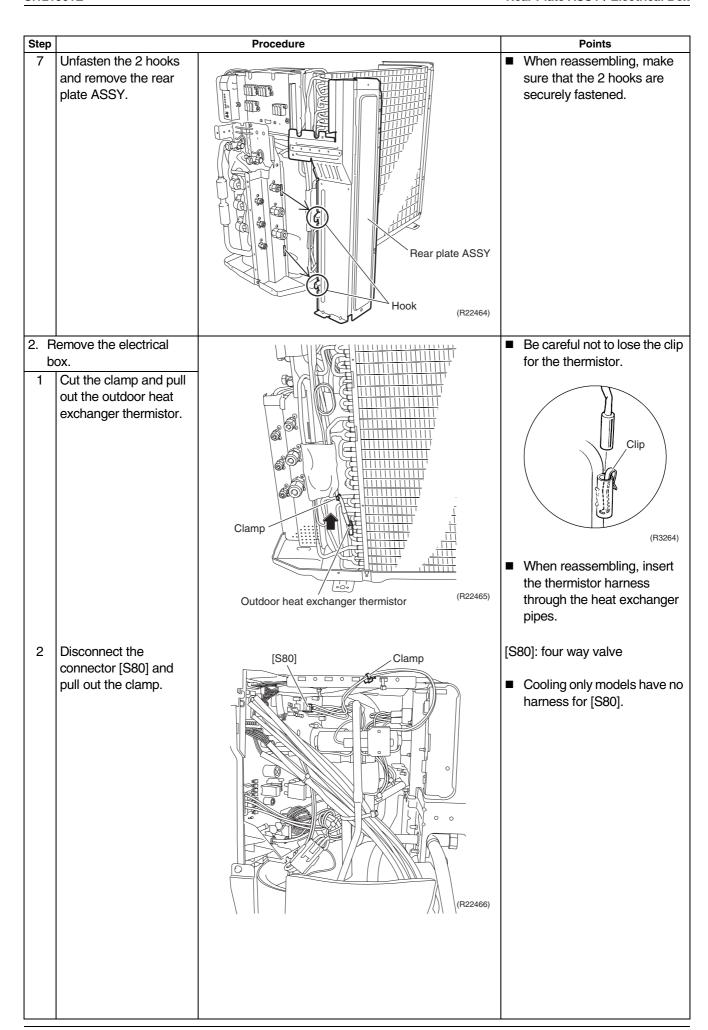
3. Rear Plate ASSY / Electrical Box



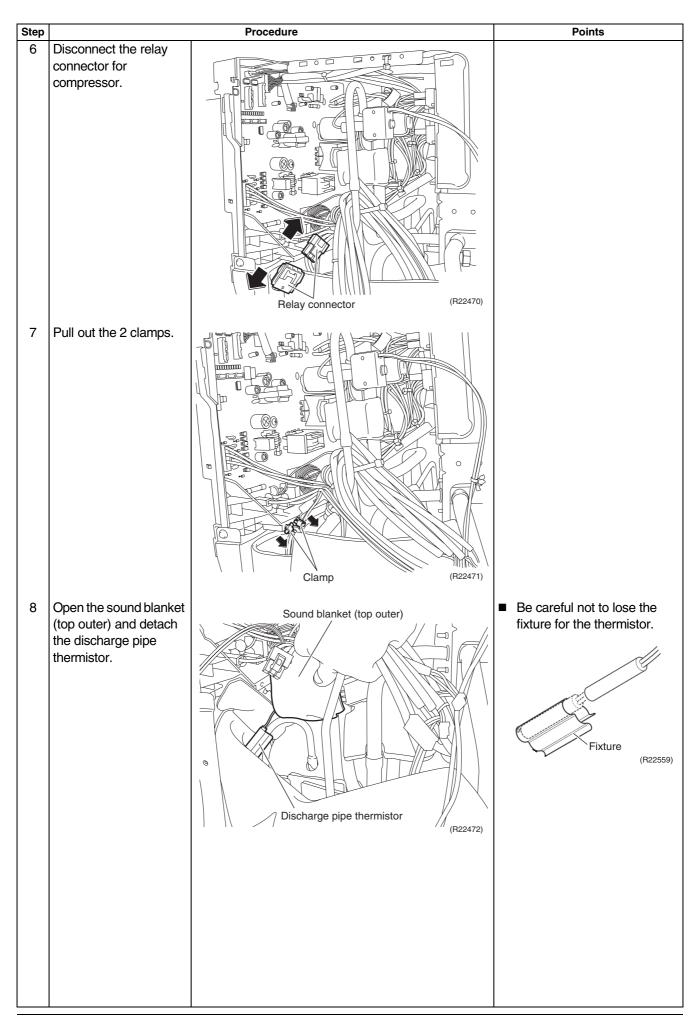
Warning

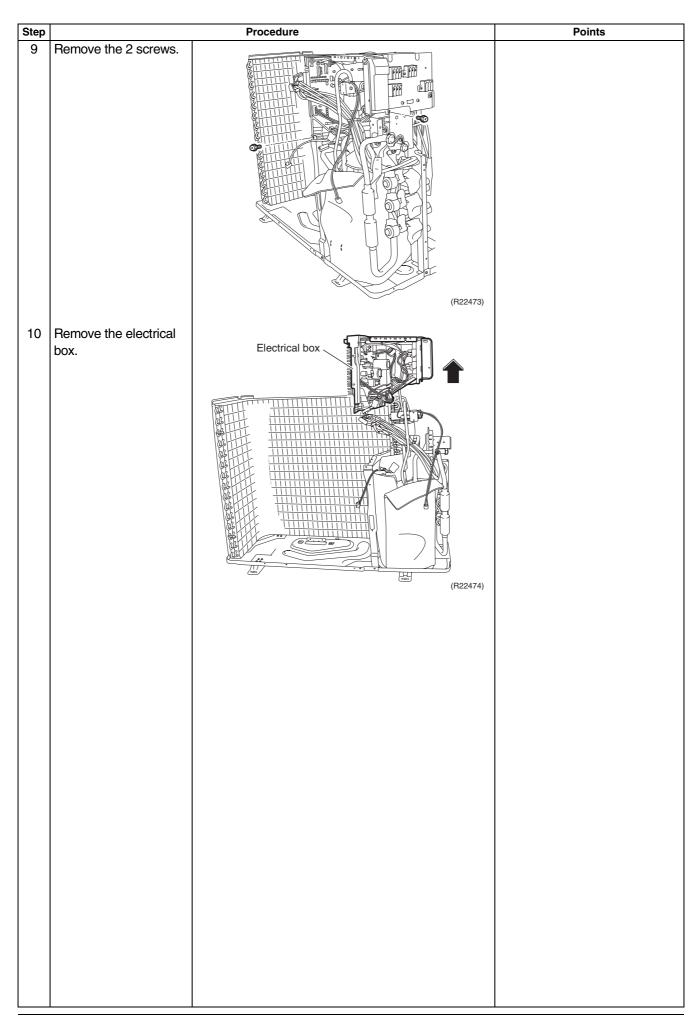
• Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.





Step		Procedure	Points
3	Disconnect the	[S92]	[S20] (white): room A
	connector [S92] and 3	[S22]	[S21] (red): room B
	connectors for		[S22] (blue): room C
	electronic expansion	[S21]	[S92]: gas pipe thermistor
	valve coil.		
			■ The 2-room models do not
		[S20]	have [S22].
		[320]	
			■ The 4-room models have
			[S23] (yellow) for room D.
		(R22467)	
4	Disconnect the		[S93]: liquid pipe thermistor
4	connector [S93].	[S93]	[593]. liquid pipe trierriistoi
	connector [030].		
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
5	Disconnect the		[S40]: overload protector
	connector [S40].	[S40]	[o roji o romona protoctor
			■ When reassembling,
			connect the connectors in
			the reverse order.
		(R22469)	
		(122400)	





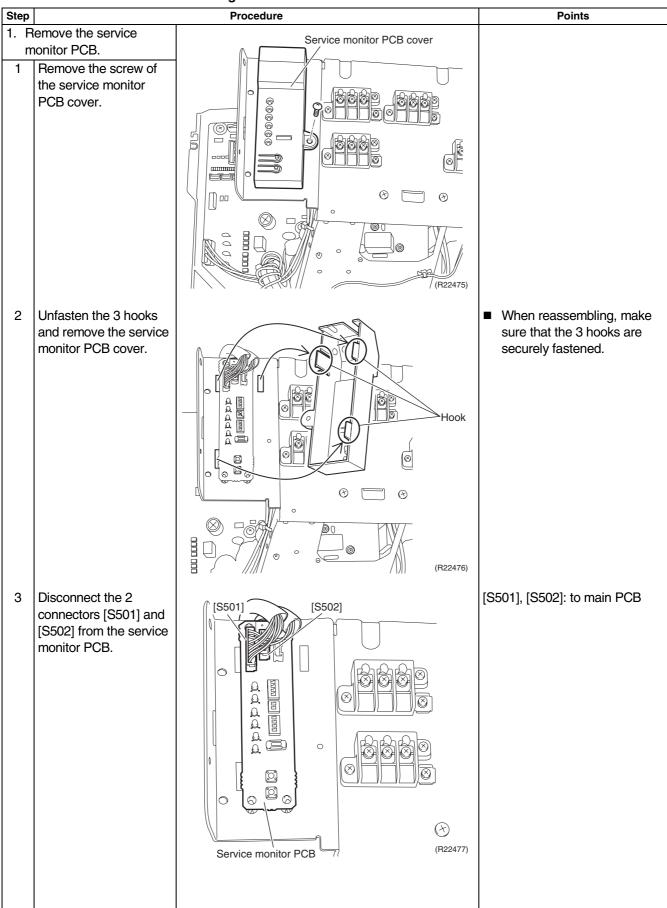
Si121561E PCBs

4. PCBs

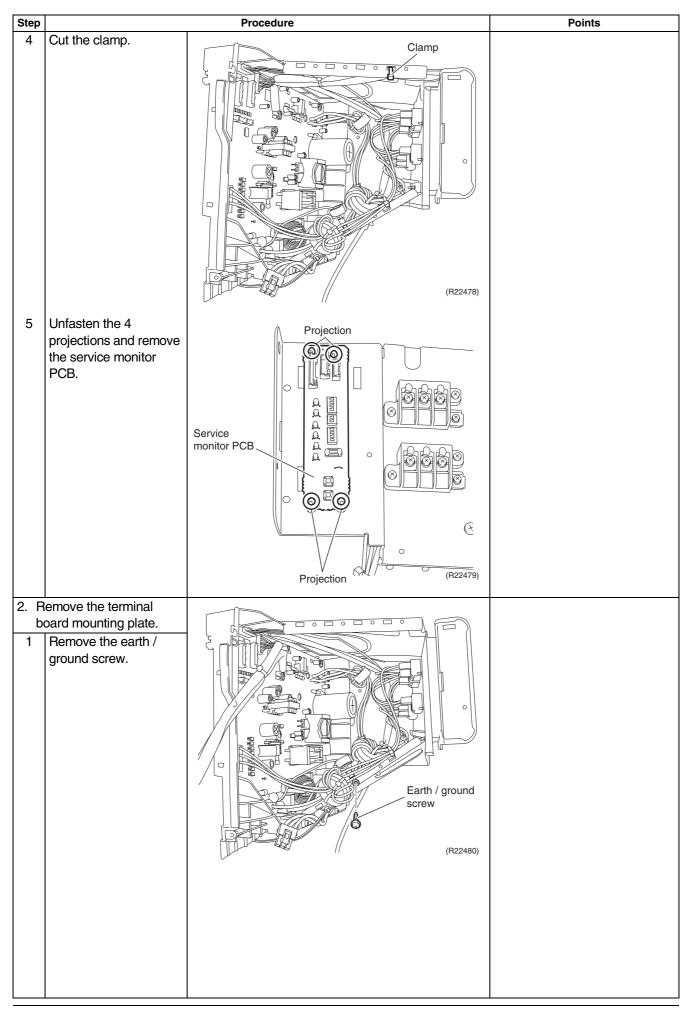


Warning

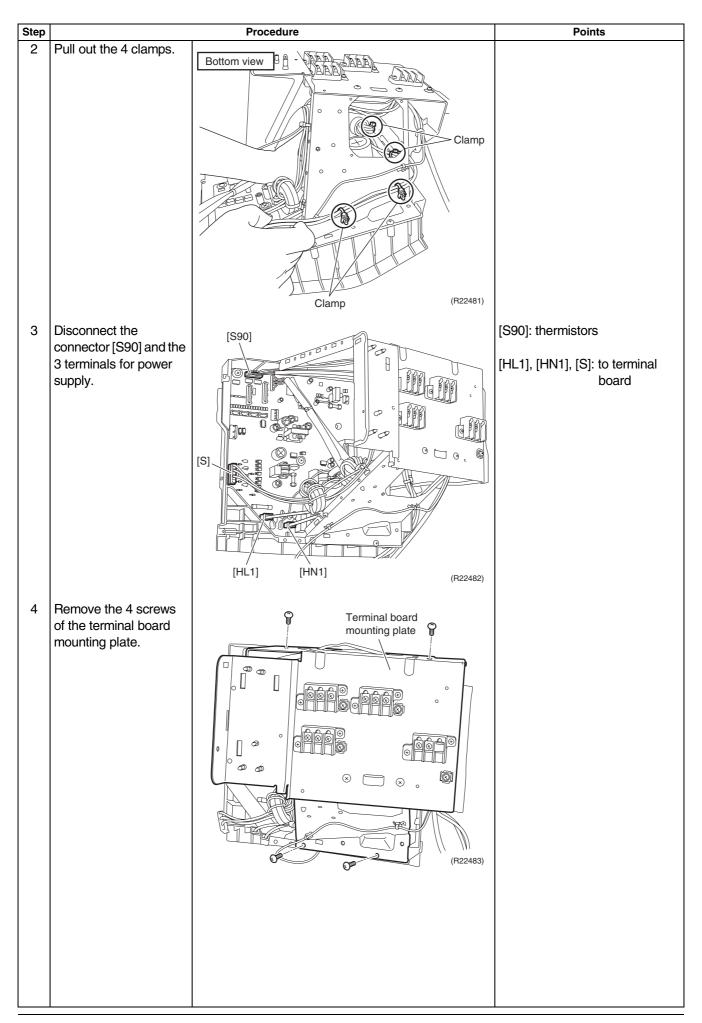
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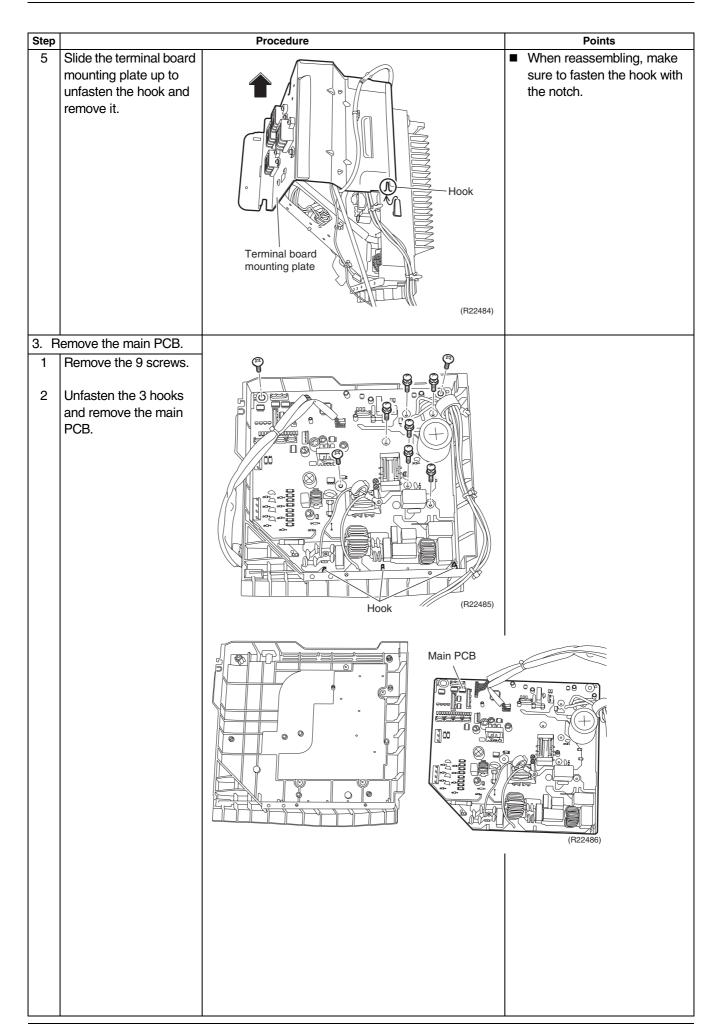
PCBs Si121561E



Si121561E PCBs



PCBs Si121561E

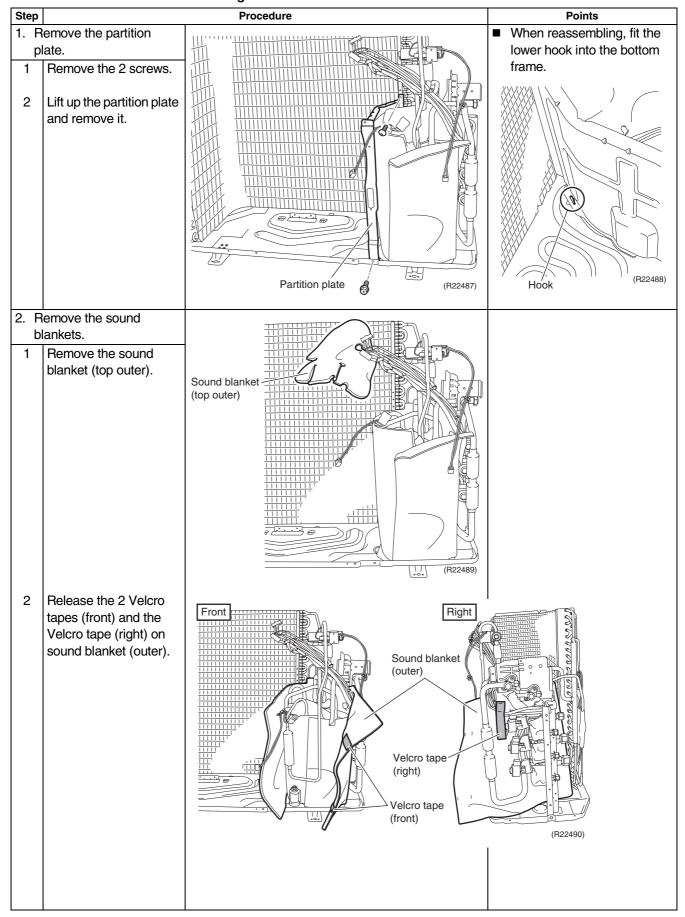


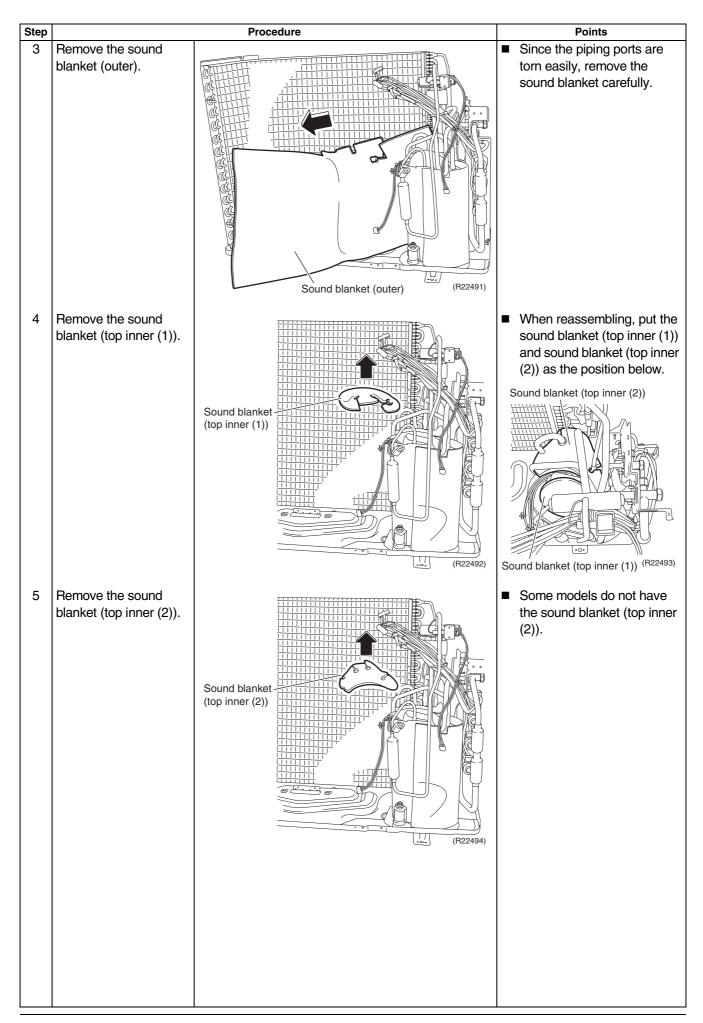
5. Partition Plate / Sound Blankets

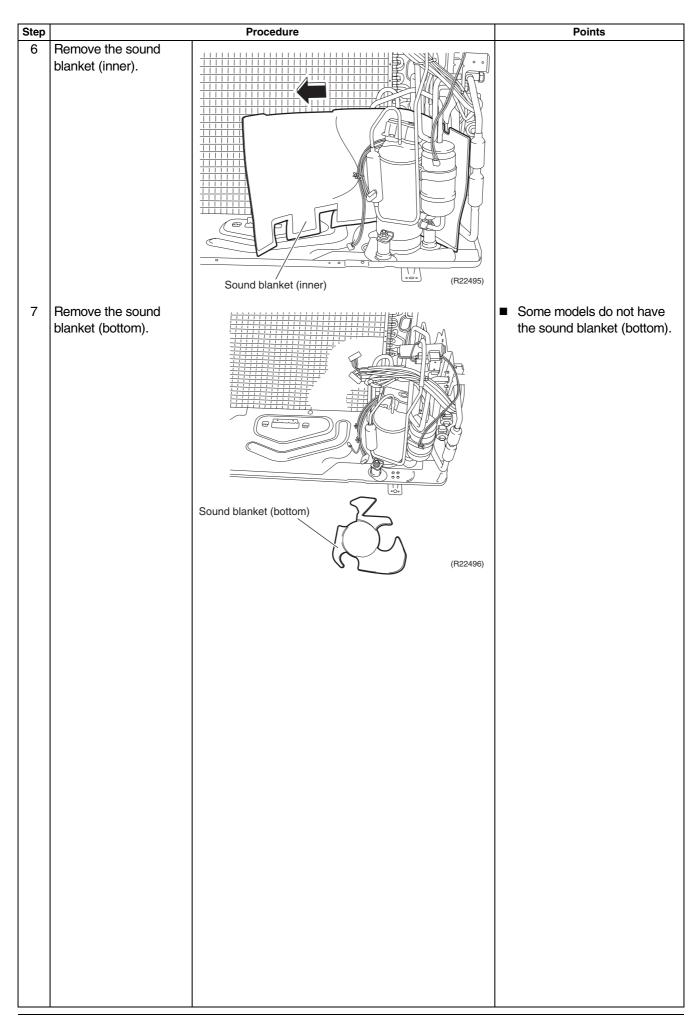


Warning

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







6. Electronic Expansion Valve Coil ASSY / Thermistor ASSYs



Warning

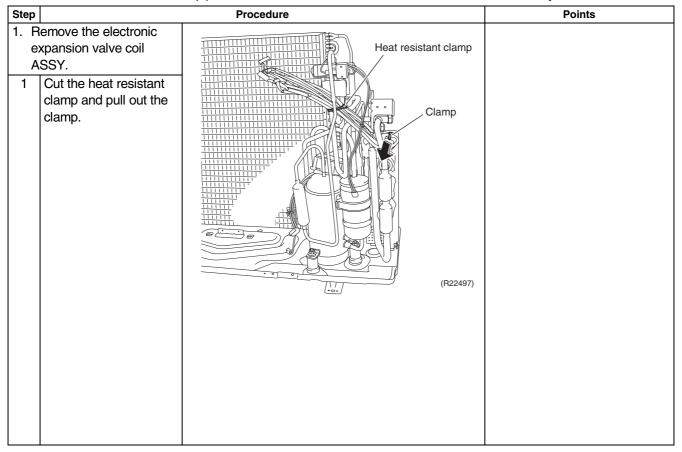
- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
- If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant 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.
- 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
2	Pull out the electronic		■ The number of the electronic
3	expansion valve coils. Remove the electronic expansion valve coil ASSY.	Electronic expansion valve coil	expansion valve coils varies depending on the models.
2. R	emove the liquid pipe		
th	nermistor ASSY.		
1	Remove the sheets of putty.	Putty (R22499)	
2	Pull out the liquid pipe thermistors.		■ Be careful not to lose the fixture for the thermistor.
3	Remove the liquid pipe thermistor ASSY.	Liquid pipe thermistor (R22500)	Fixture (R22337)

Step		Procedure		Points
	Remove the gas pipe	() ////		The number of the gas pipe
th	nermistor ASSY.			thermistors varies depending
1	Cut the heat resistant			on the models.
.	clamp and pull out the			
	gas pipe thermistors.			Be careful not to lose the clip
				of the thermistor.
2	Remove the gas pipe			
	thermistor ASSY.	Heat		
		resistant clamp		
		Gas pipe		
		thermistor		Clin
				Clip (R22332)
		(R22501)		
	1		<u> </u>	

Si121561E Four Way Valve

7. Four Way Valve



Warning

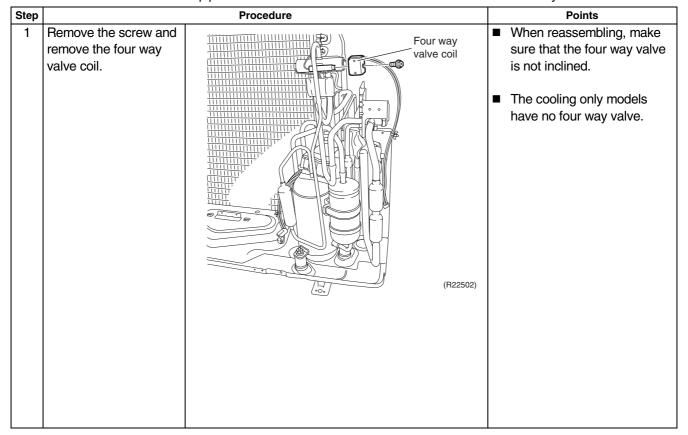
- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
- If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant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



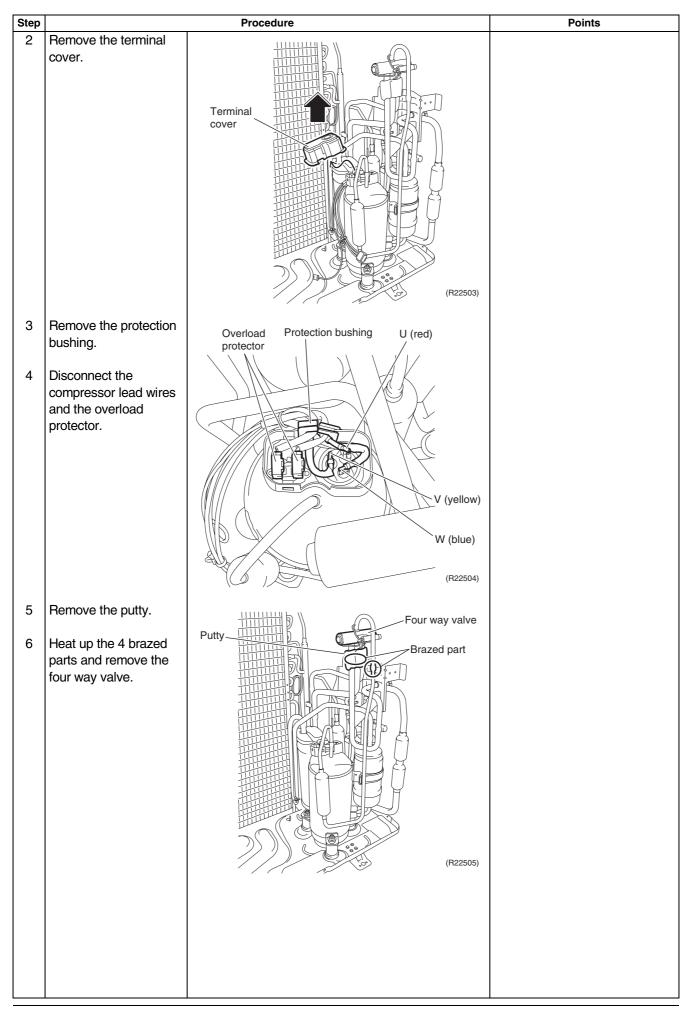
- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- Cautions for restoration
 - 1. Restore the piping by non-oxidation brazing.
 - It is required to prevent the carbonization of the oil inside the 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 Si121561E



Si121561E Compressor

8. Compressor



Warning

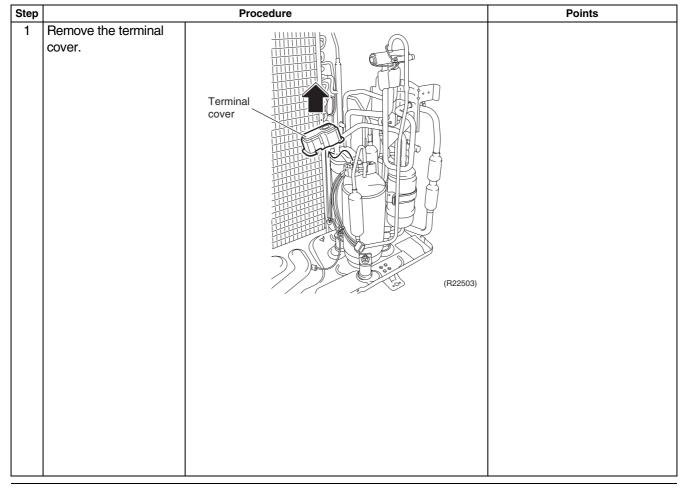
- Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.
- Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.
- If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant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



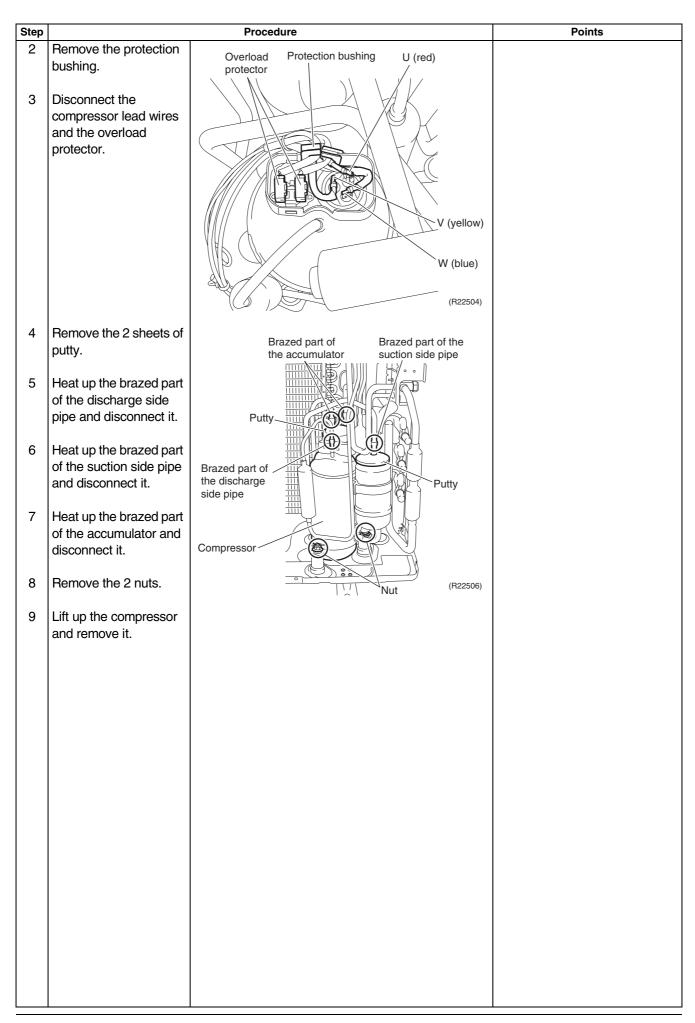
- From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.
- Restore the piping by non-oxidation brazing.



- . Before working, make sure that the refrigerant gas is empty in the circuit.
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- 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 Si121561E



Revision History

Month / Year	Version	Revised contents
10 / 2015	Si121561E	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, 530-8323 Japan

Tokyo Office:

JR Shinagawa East Bldg., 2-18-1, Konan, Minato-ku, Tokyo, 108-0075 Japan

http://www.daikin.com/products/ac/

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