

Si121293EC



9.0/9.5/10.0/10.5/11.0 kW Class 32000/36000/38000 Btu/h Class



Outdoor Unit



Multi Type



Service Manual Removal Procedure

Outdoor Unit

•Cooling Only 5MKS100LSG

5MKS100LVMA 5MKS100LVMA9

5MKS110LVM

MKM95PV14 MKM105PV14

MKM95PV1G MKM105PV1G

MKM32PV2S MKM36PV2S

MKM95PVM MKM105PVM

MKS90QVMG

•Heat Pump 4MXM110PVLT

5MXS100LVMA 5MXS100LVMA9

5MXS110LVM

5MXS38PMVM

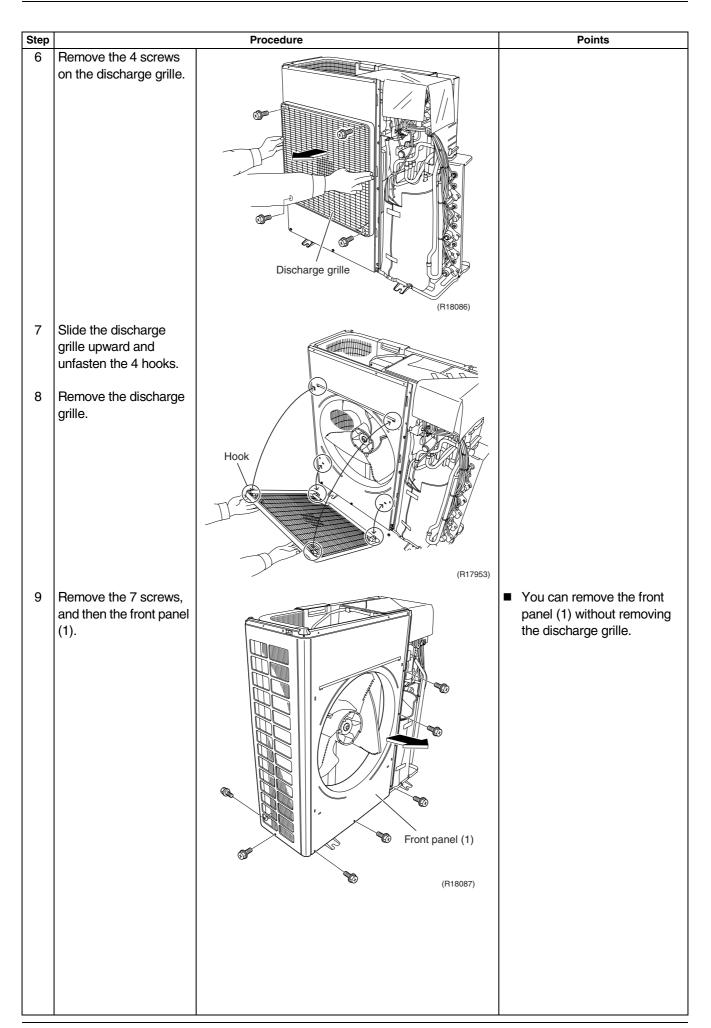
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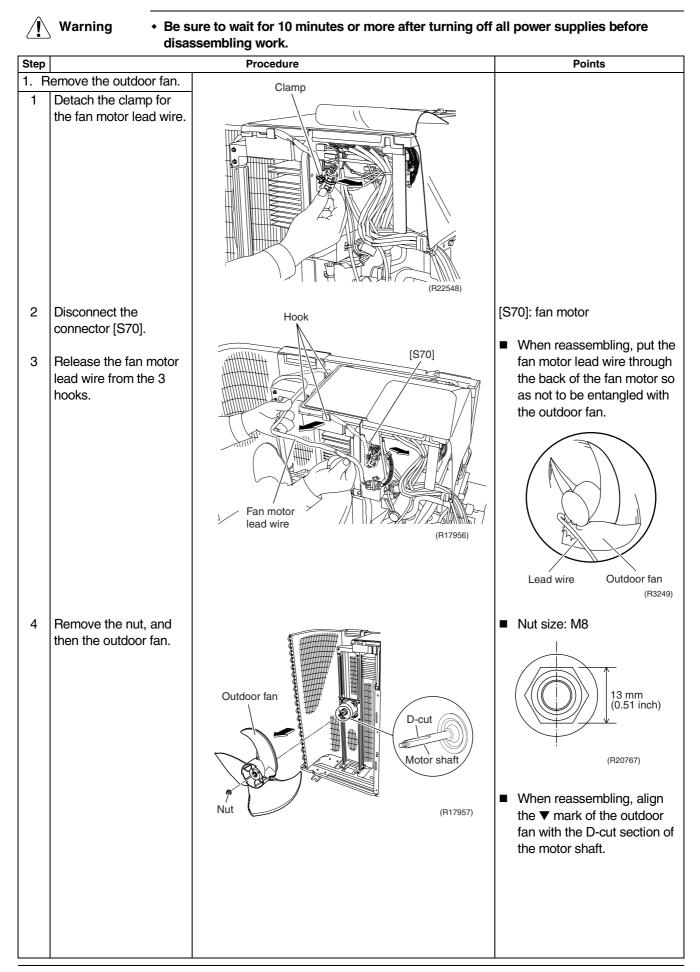


The illustrations may be slightly different depending on the model.The illustrations are for heat pump models as representative.

1. Outer Panels Warning · Be sure to wait for 10 minutes or more after turning off all power supplies before /ľ disassembling work. Step Procedure Points Unfasten the 3 hooks at The hooks are secured in 1 the clearances of the the upper first, and then 3 hooks at the middle. outdoor heat exchanger fins. Suction grille (B18259) 2 Unfasten the 3 hooks at the bottom and remove the suction grille. h (R18260) 3 Remove the 9 screws, Top panel and then the top panel. 4 Remove the 5 screws, ■ Slide the right side panel downward to unfasten the 2 and then the right side Hook hooks on the front side. panel. Hook Right side panel (R18084) Remove the screw, and 5 ■ Slide the front panel (2) downward to unfasten the 3 then the front panel (2). hooks. Hook < Front panel (2) (R18085)



2. Outdoor Fan / Fan Motor

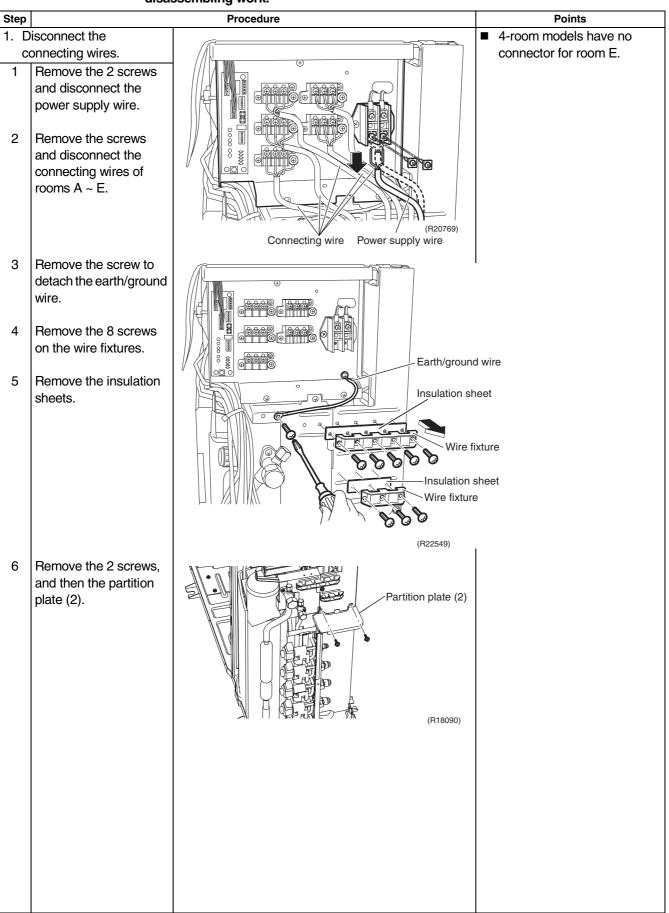


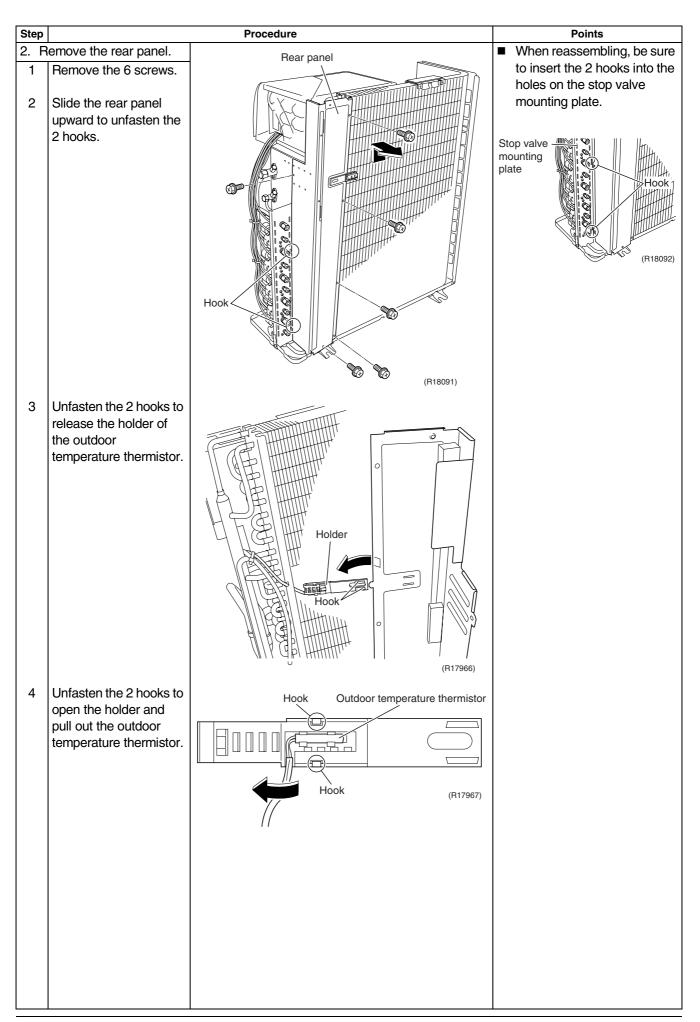
Step		Procedure	Points
	emove the fan motor.	Fan motor fixing frame	
1	Remove the 2 screws, and then the fan motor fixing frame.	F17958	
2	Cut the 2 clamps.		
3	Remove the 4 screws, and then the fan motor.	(R17959)	

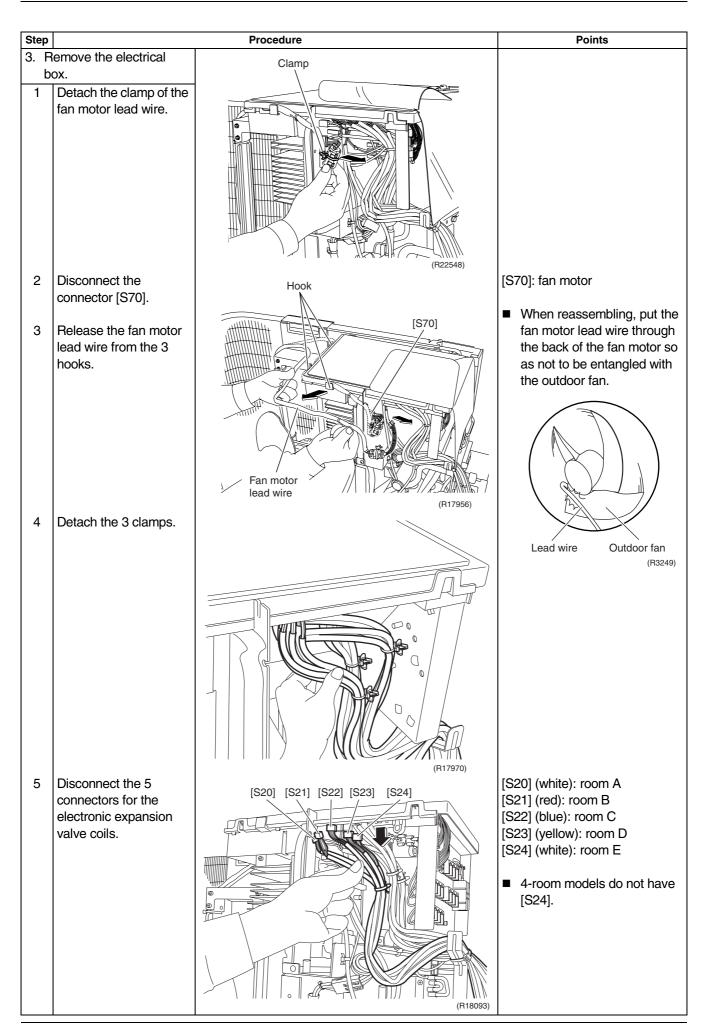
3. Electrical Box

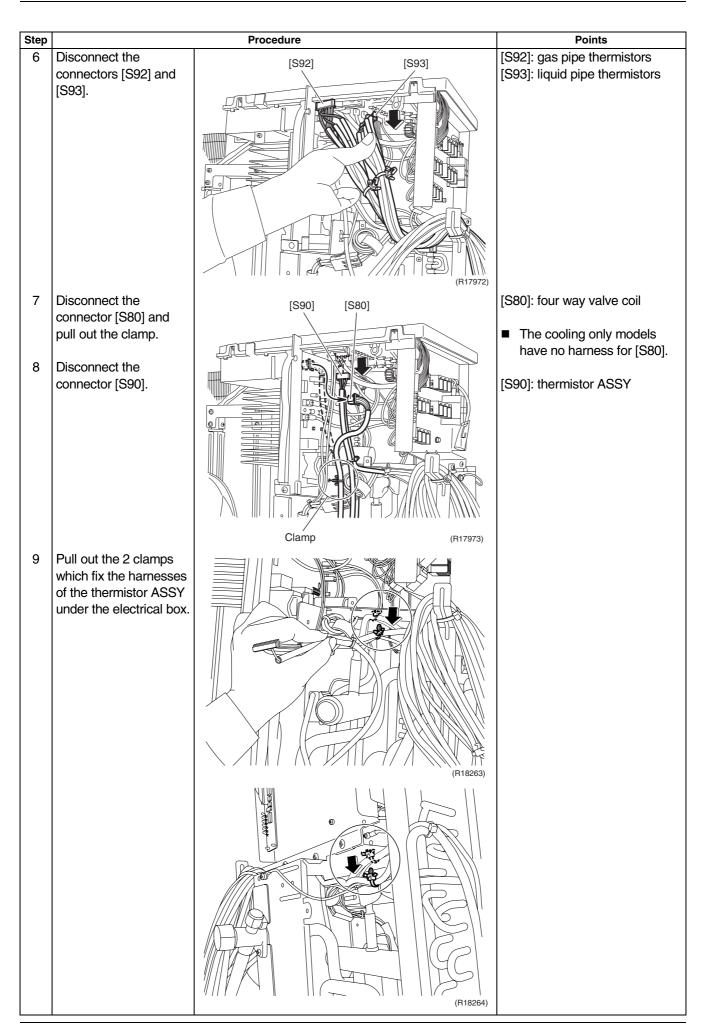


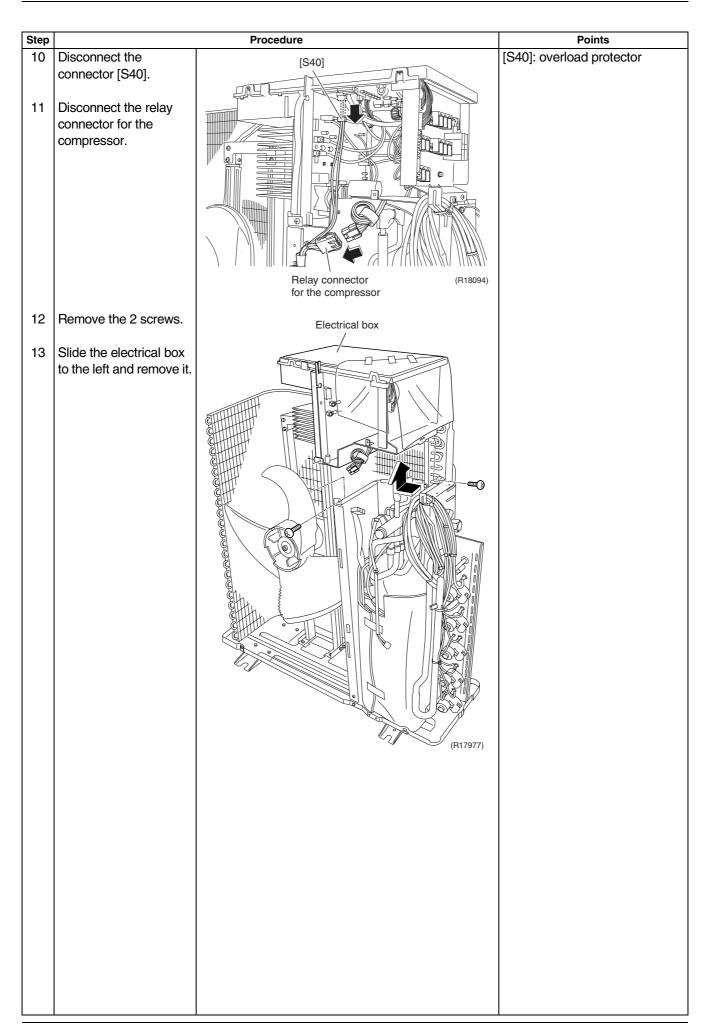
 Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



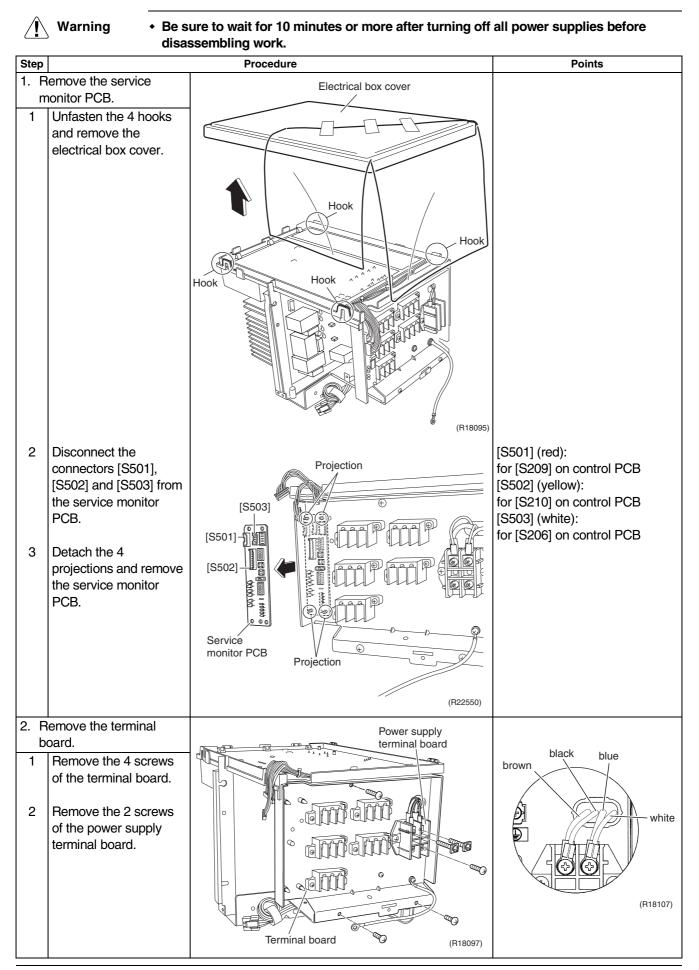


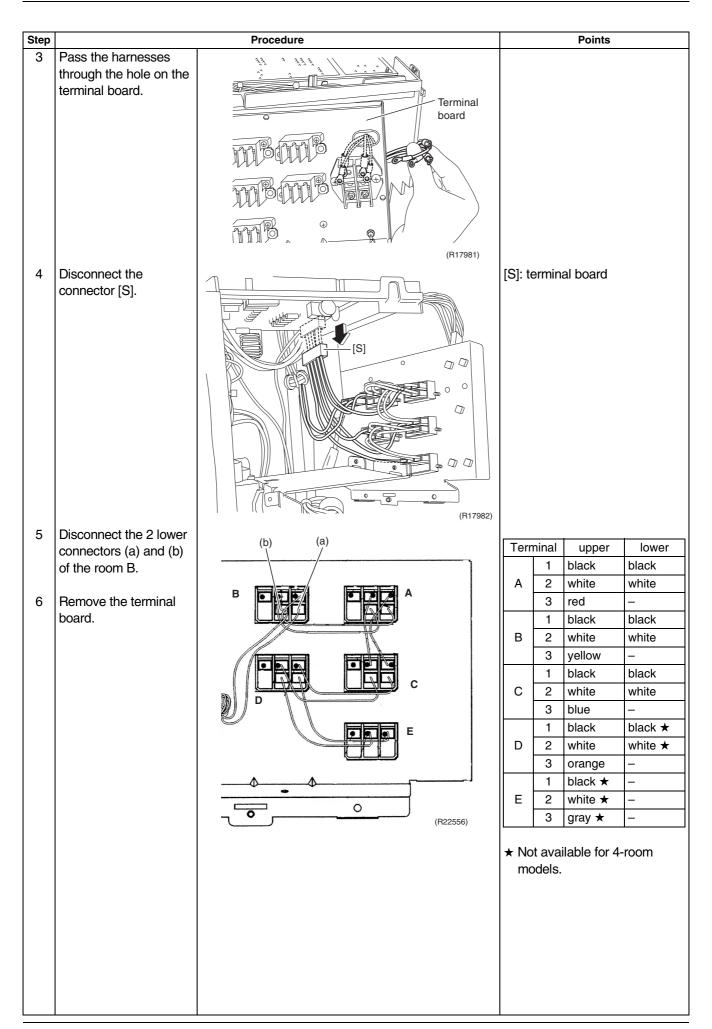


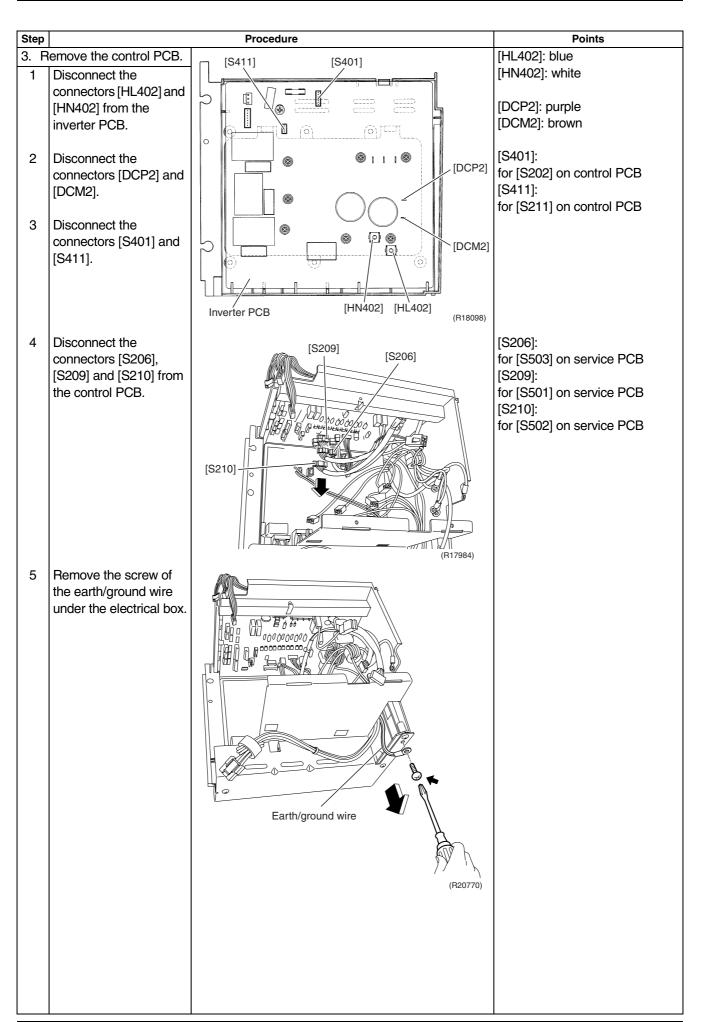


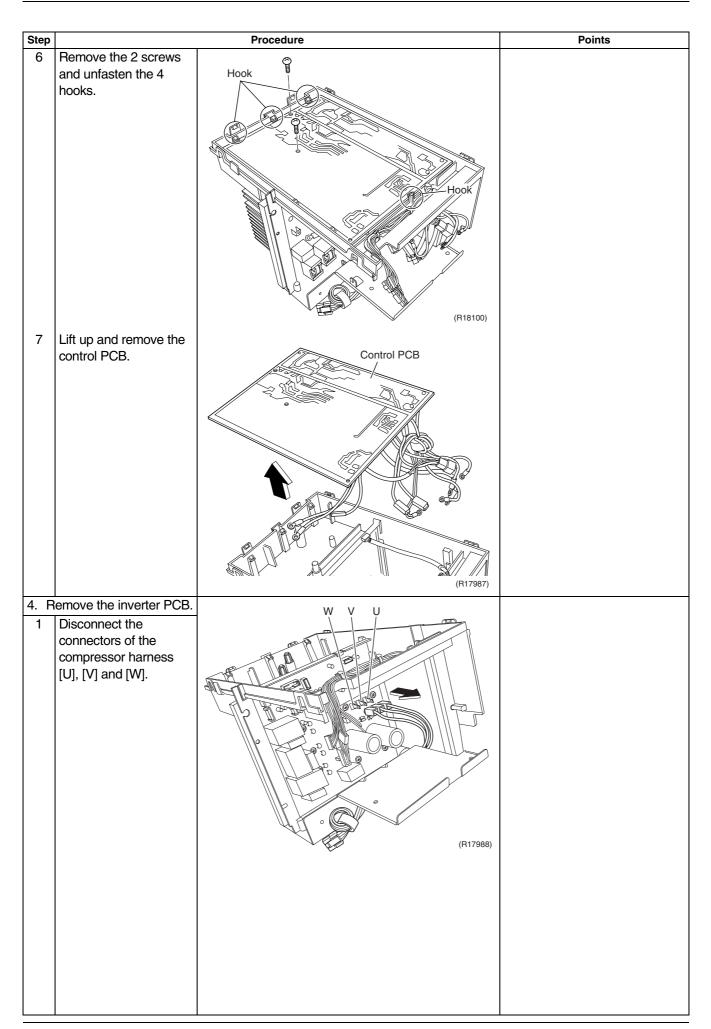


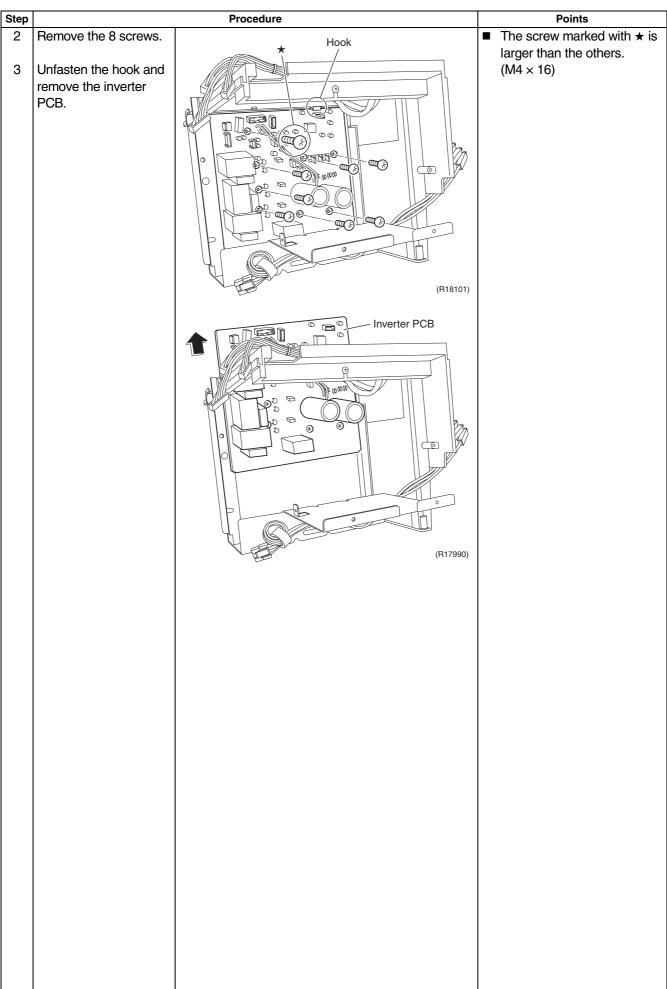
4. PCBs







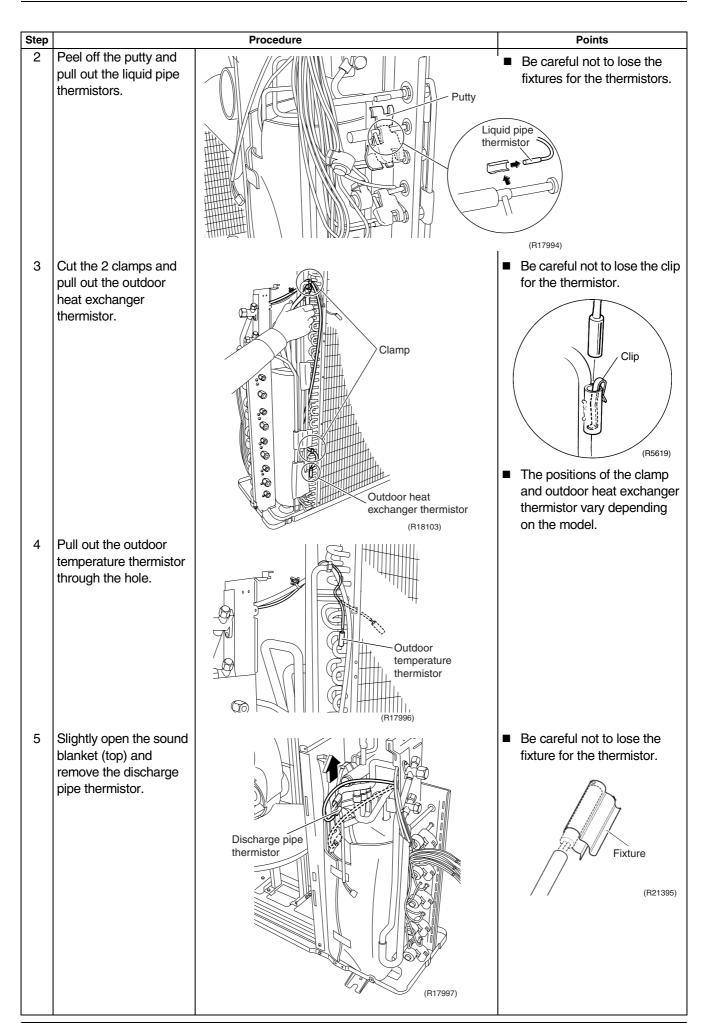




PCBs

5. Coils / Thermistors

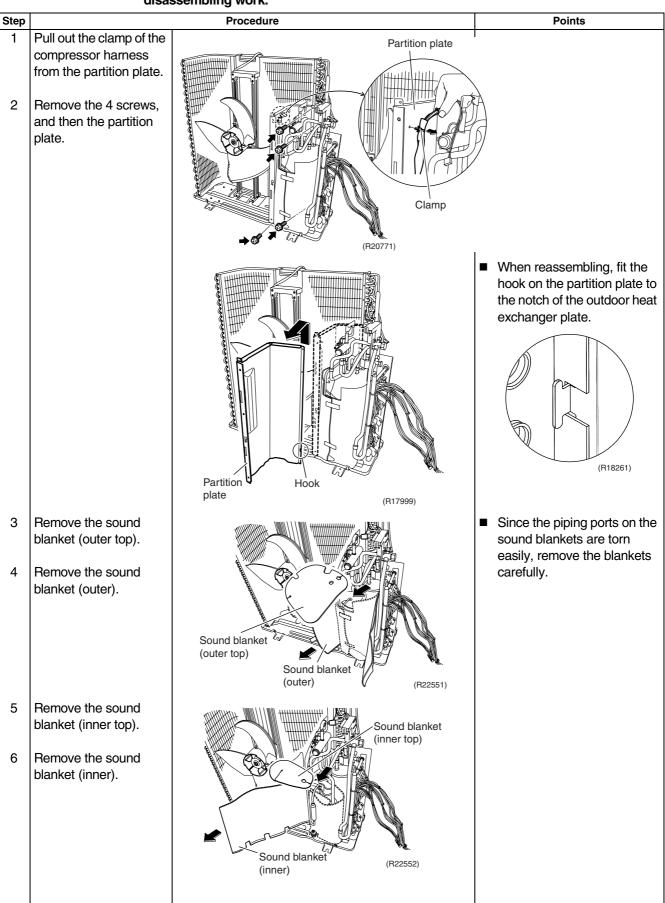
Warning • Be sure to wait for 10 minutes or more after turning off all power supplies before <u>/</u>] disassembling work. Step Procedure Points 1. Remove the electronic ■ The number of electronic expansion valve coils. expansion valve coils and thermistors varies depending Cut the 3 clamps. 1 on the model. 2 Pull out the electronic Clamp expansion valve coils. (R17991) Clamp Electronic expansion valve coil (R17992) 2. Remove the thermistors. Be careful not to lose the clips for the thermistors. 1 Cut the clamps and pull out the gas pipe thermistors. Gas pipe thermistor Clip (R18102)



6. Sound Blankets



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



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.) /I 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. 2. 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. Points Step Procedure Remove the peripheries. The cooling only models Four way valve coil have no four way valve coil. Remove the screw, and 1 then the four way valve coil.) D (R18004)

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Step 2	Remove the terminal	Procedure	Points	
	Cover.	(R18010)		
3	a flat screwdriver and remove the overload protector.	Hook Overload protector		
4	Disconnect the terminals of the compressor harness.	Compressor harness Bushing for lead wire	U: red V: yellow W: blue	
5	Remove the bushing for the lead wire.	(F18007)		
2. Remove the four way		(a)		
1	alve. Heat up the brazed			
	parts in order of (a) (b) (c) (d).			
2	Remove the four way valve.	(b)		

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.

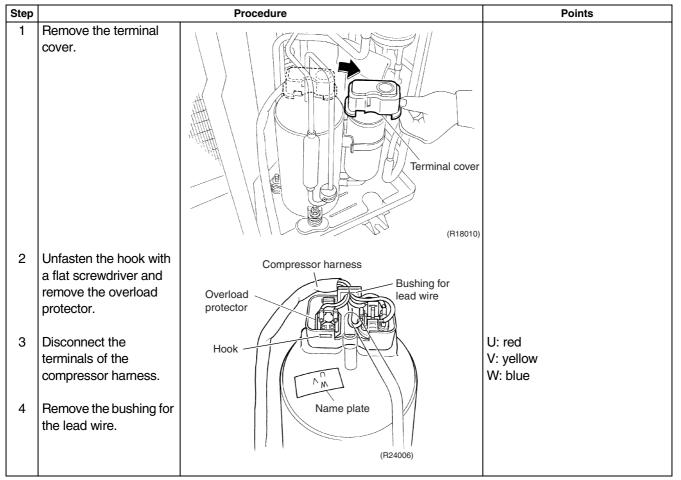
A Caution

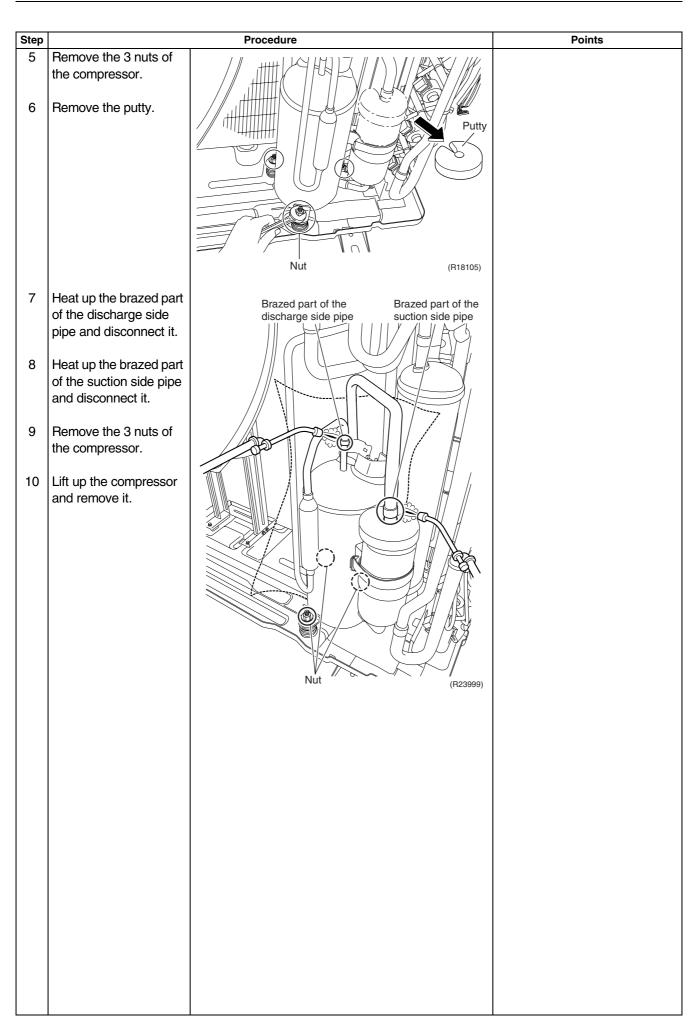
• From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to collect all the refrigerant gas.

· 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.





Revision History

Month / Year	Version	Revised contents
11 / 2012	Si121293	First edition
08 / 2014	Si121293EA	Model addition: 5MK(X)S100LVMA9
10 / 2015	Si121293EB	Model addition: MKM95/105PV14, MKM95/105PV1G, MKM32/36PV2S, 4MXM110PVLT
09 / 2016	Si121293EC	Model addition: MKM95/105PVM, MKS90QVMG, 5MXS38PMVM



- 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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