



2.0/2.5/3.0/3.5 kW Class





Inverter



Pair Type



Service Manual Removal Procedure

Outdoor Unit

Cooling Only

RK20GV1B RK25GV1B RK35GV1B

RK20GVLT RK25GVLT RK30GVLT Heat Pump

ARX20GV1B ARX25GV1B ARX35GV1B

RX20GV1B RX25GV1B RX35GV1B

RX20GVLT RX25GVLT RX30GVLT

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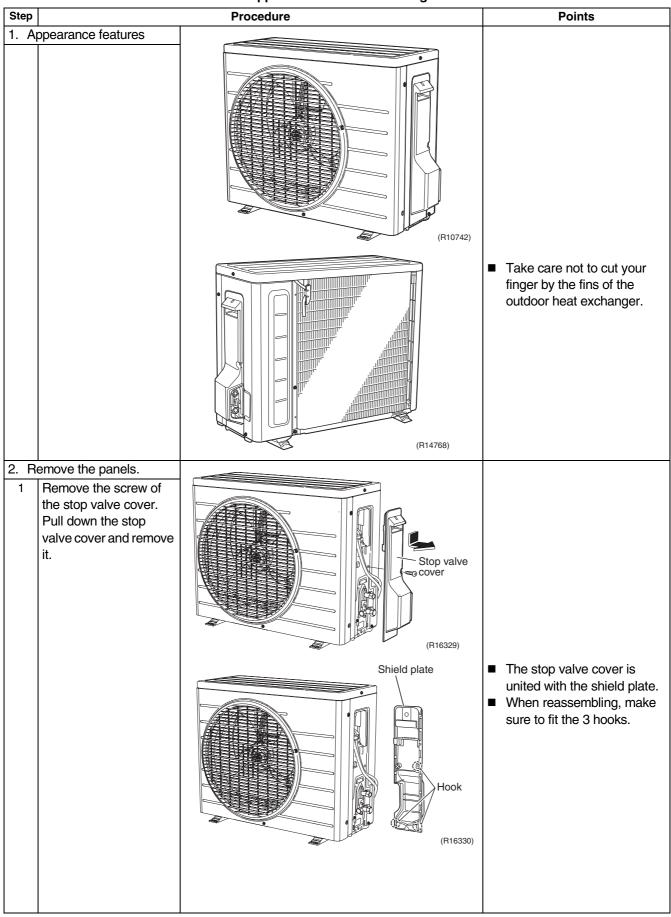
- The illustrations may be slightly different depending on the model.
- The illustrations are for heat pump models as representative.

Removal of Outer Panels Si00-874

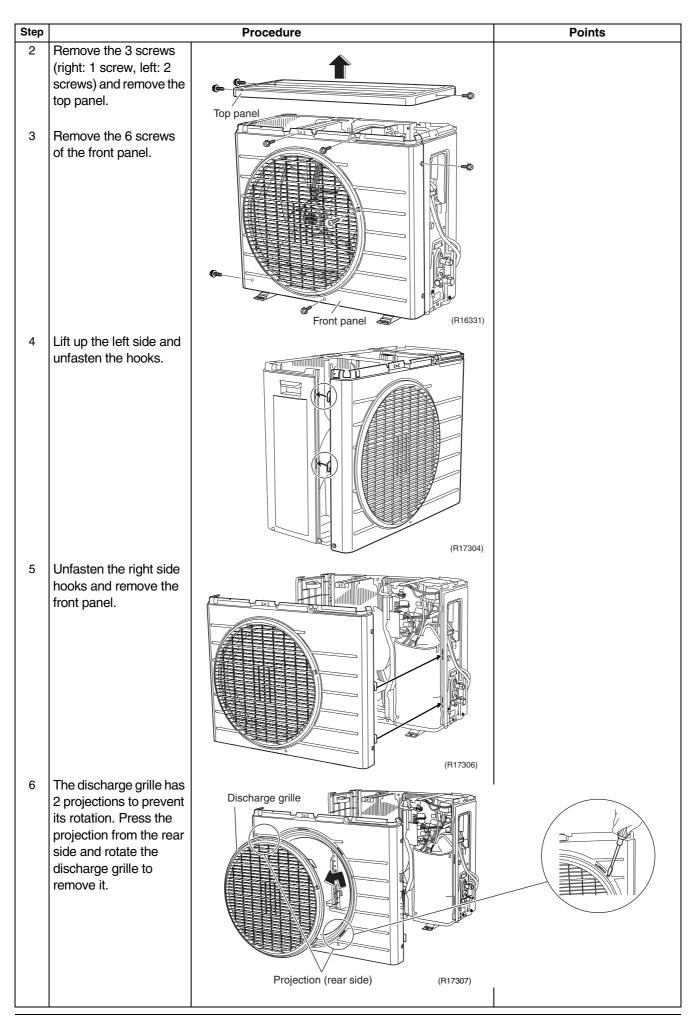
1. Removal of Outer Panels

Procedure

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



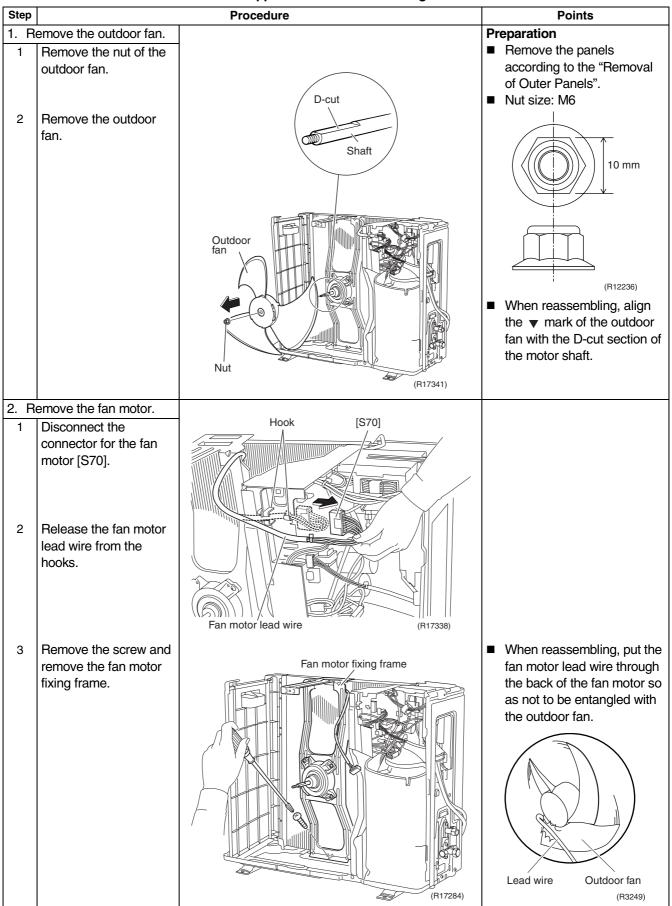
Removal of Outer Panels

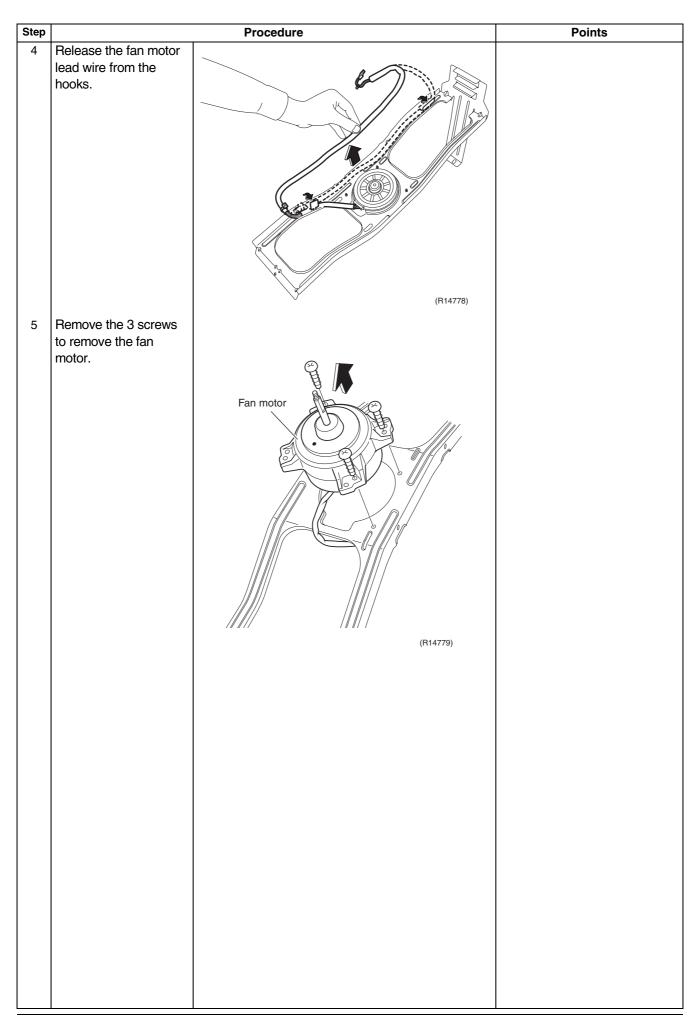


2. Removal of Outdoor Fan / Fan Motor

Procedure

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

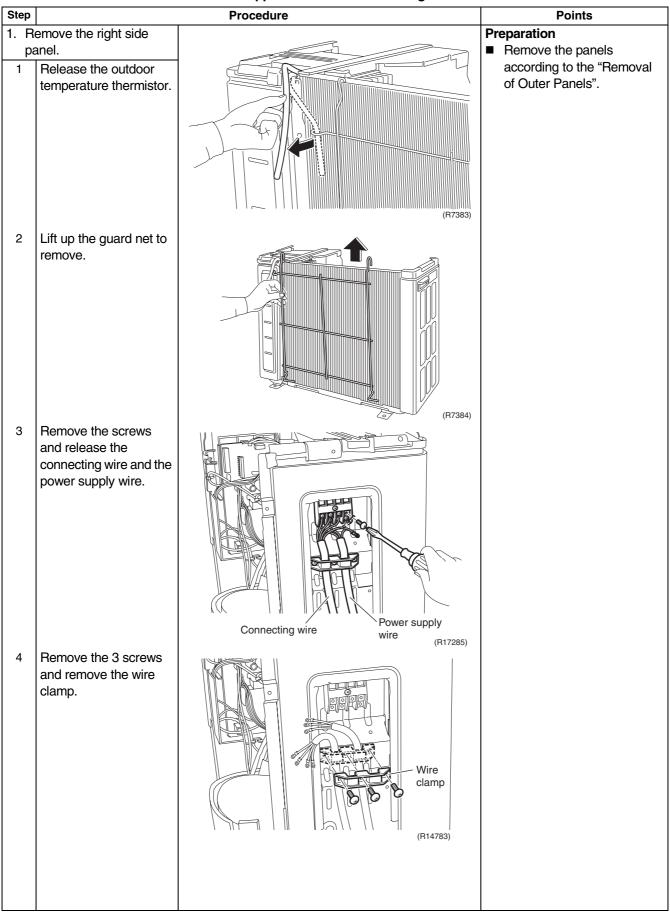


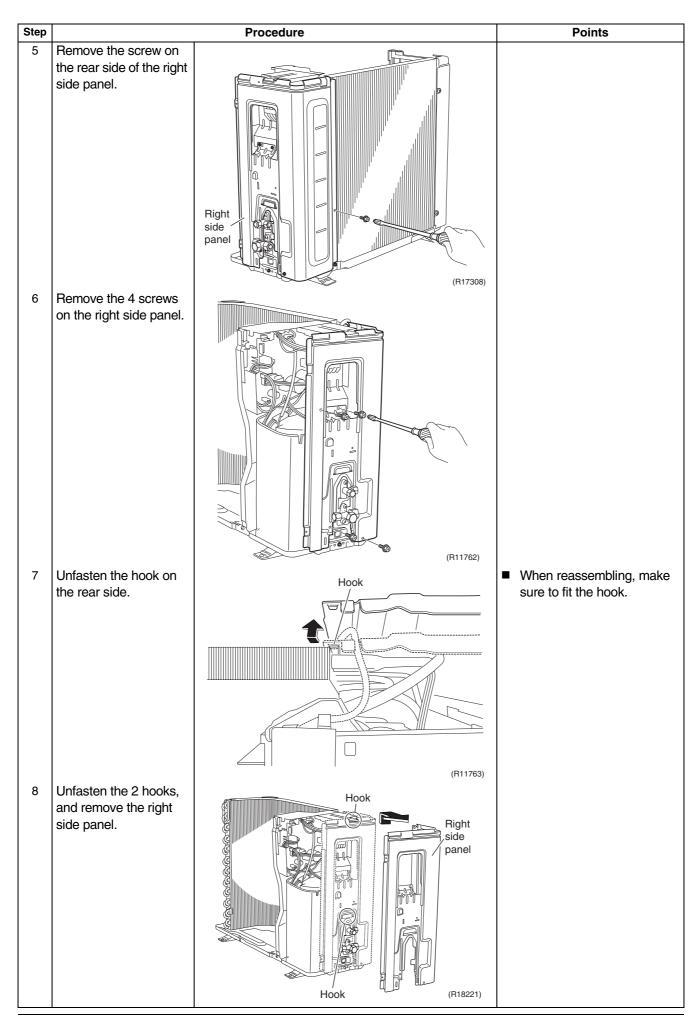


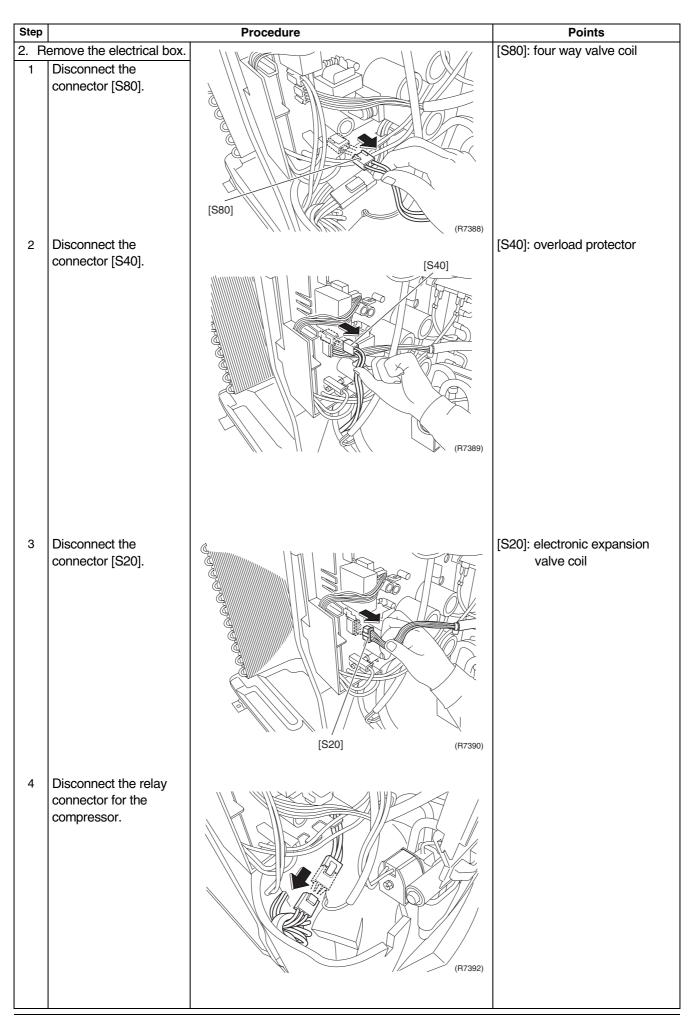
3. Removal of Electrical Box / PCBs

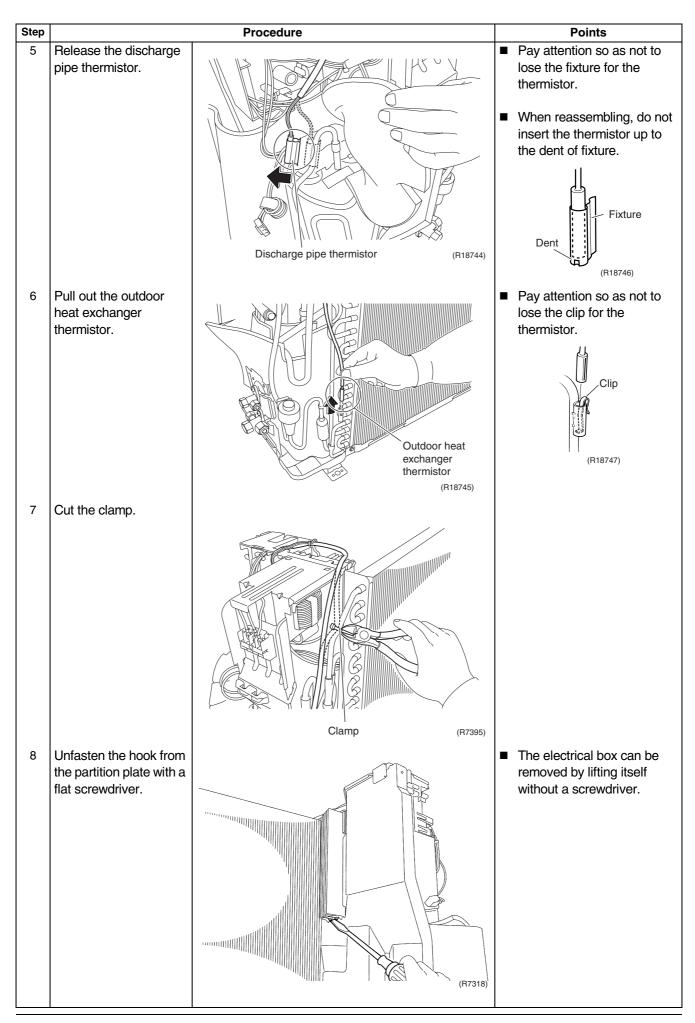
Procedure

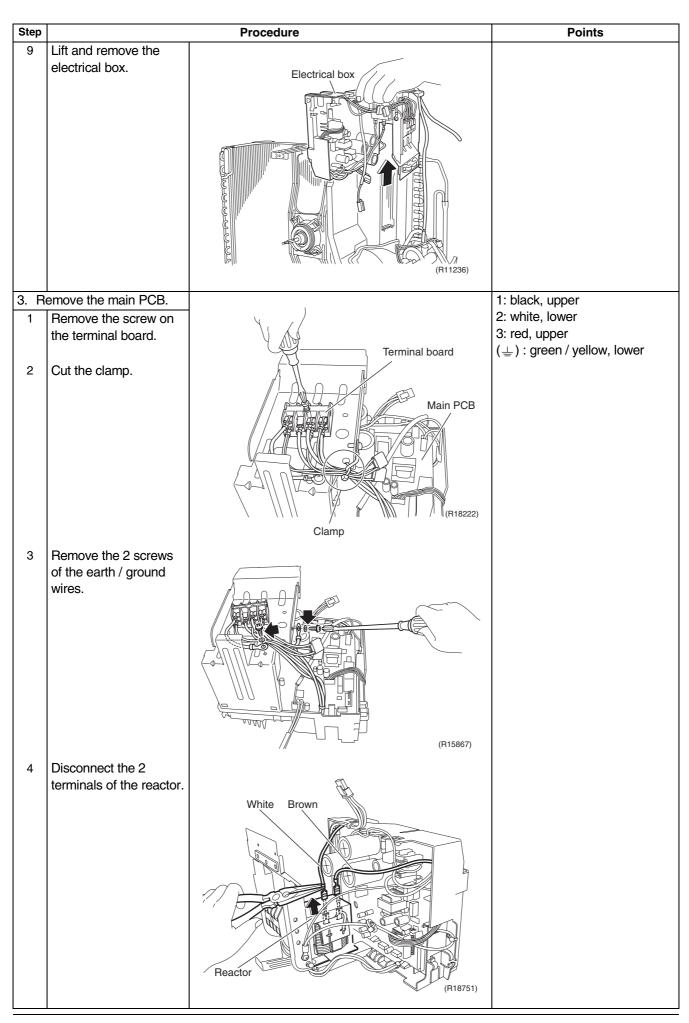
Warning Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

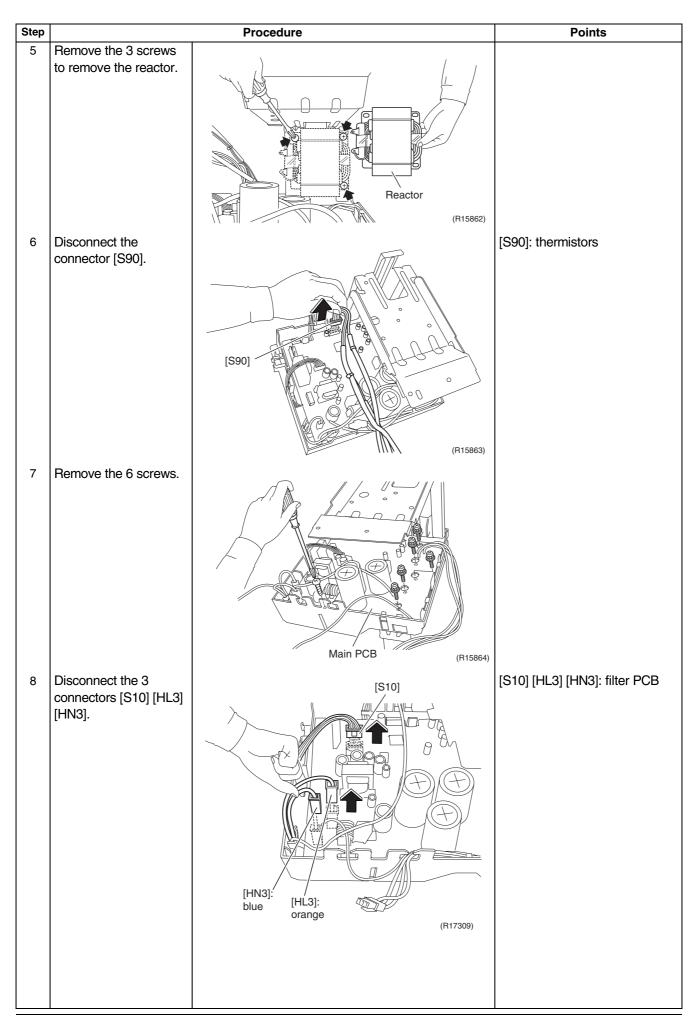




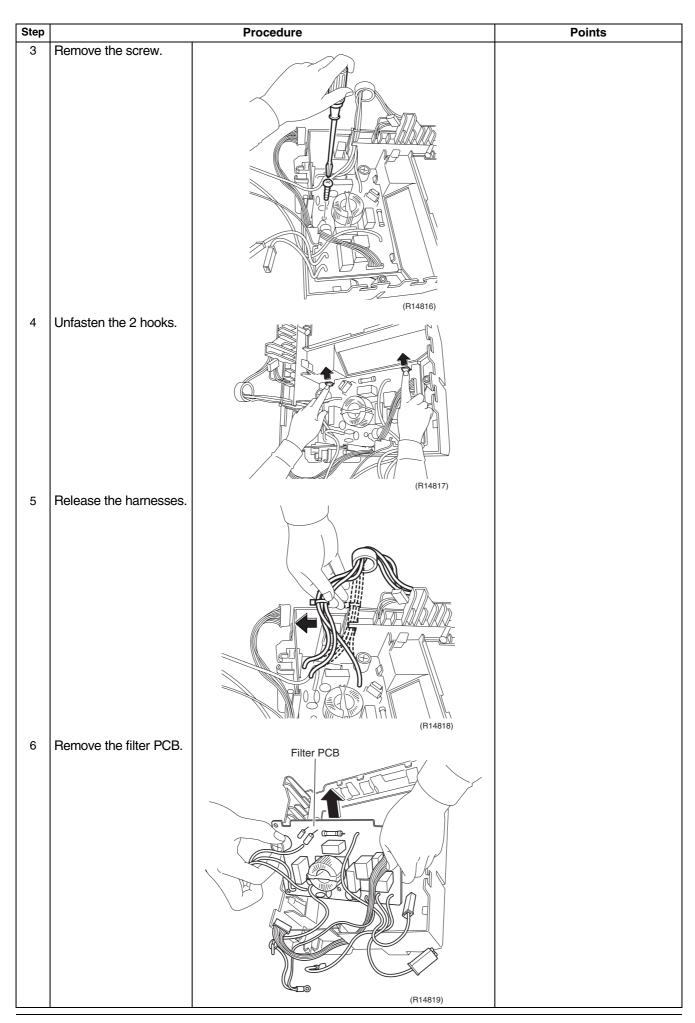








Step		Procedure	Points
9	Unfasten the 2 hooks. Lift and remove the main PCB.		
		(R15869)	
4. R	emove the filter PCB. Cut the clamp.	M	
		(R14813)	
2	Release the harnesses from the hooks.	(R14814)	
		(R18752)	

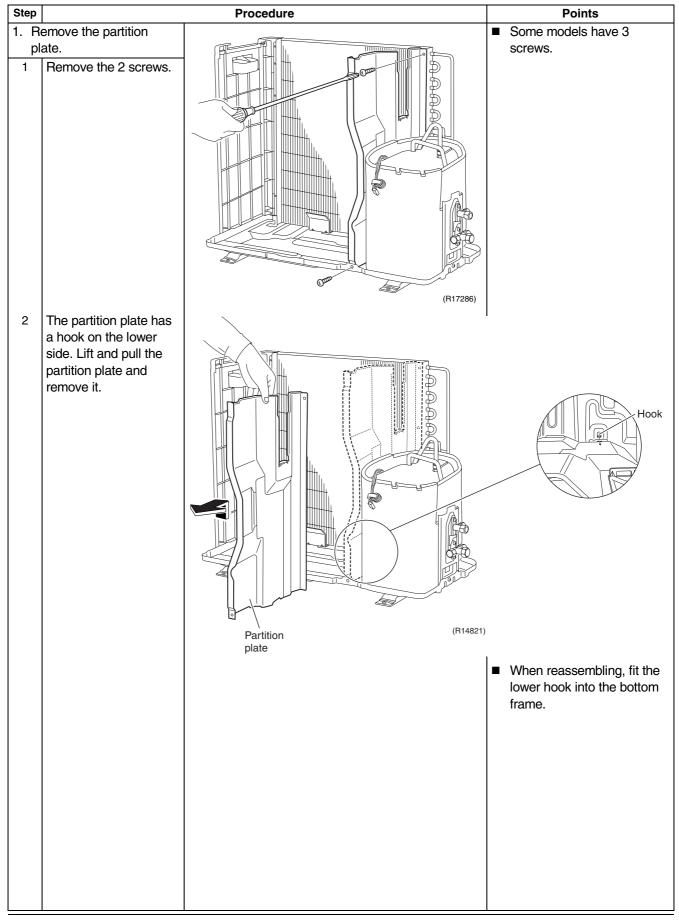


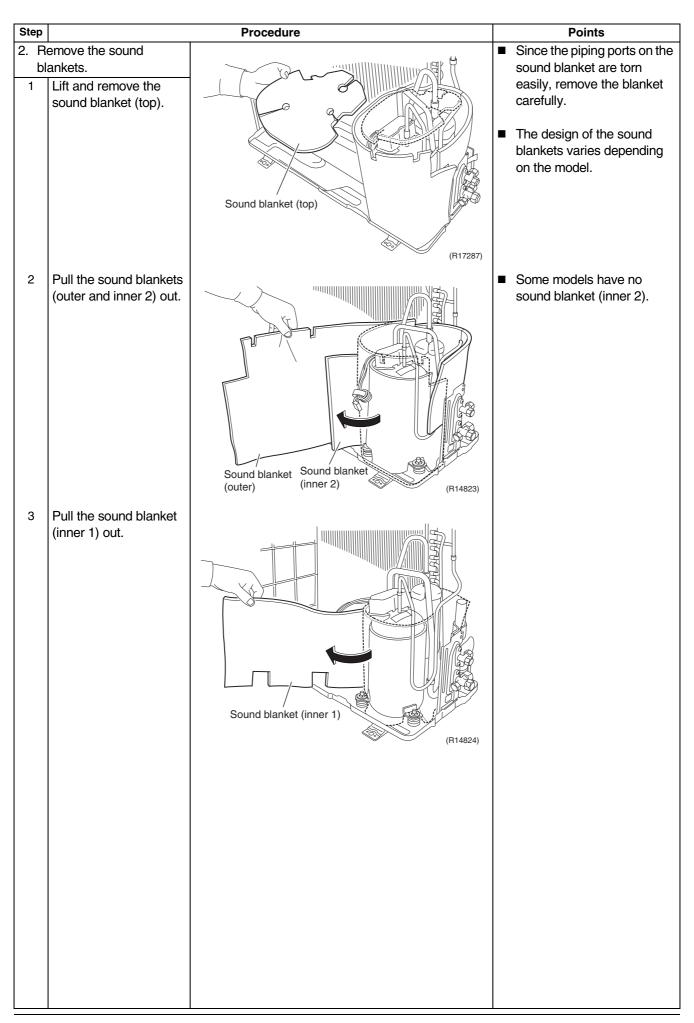
Removal of Sound Blankets Si00-874

4. Removal of Sound Blankets

Procedure

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



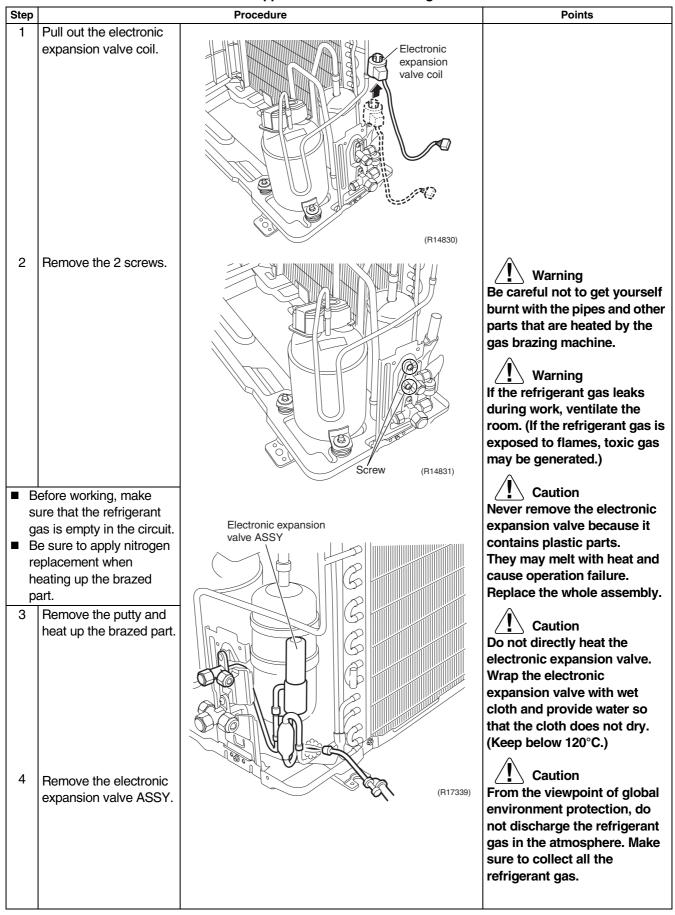


5. Removal of Electronic Expansion Valve ASSY

Procedure

Warning

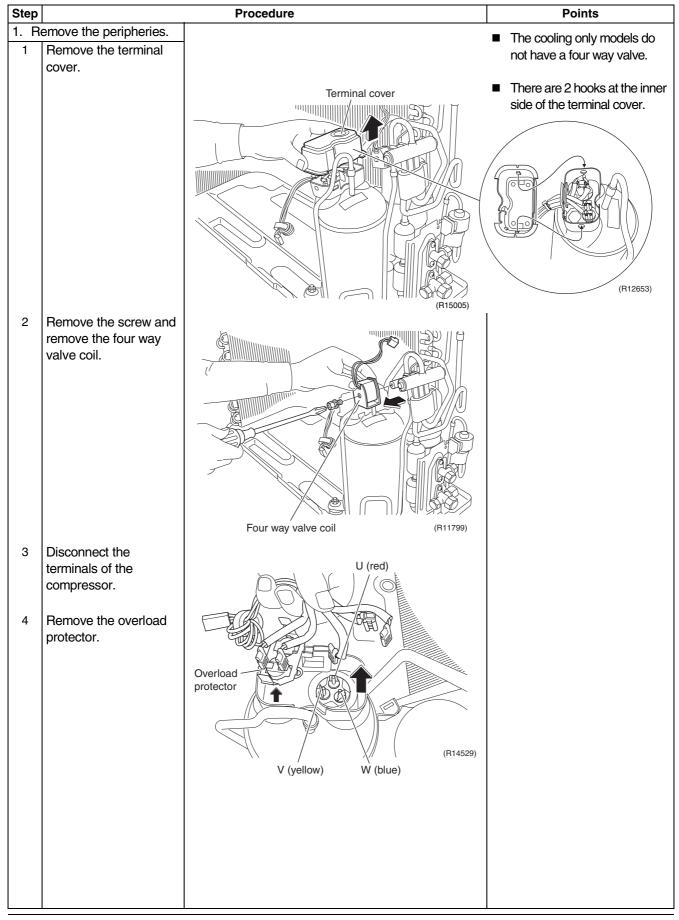
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.



6. Removal of Four Way Valve

Procedure

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



Step Procedure **Points** Pull out the electronic expansion valve coil. Electronic expansion valve coil (R11798) 6 Remove the putty. Warning Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine. Warning If the refrigerant gas leaks ■ Before working, make during work, ventilate the sure that the refrigerant room. (If the refrigerant gas is gas is empty in the circuit. exposed to flames, toxic gas ■ Be sure to apply nitrogen may be generated.) replacement when heating up the brazed part. Caution 2. Remove the four way From the viewpoint of global valve. environment protection, do Heat up the brazed not discharge the refrigerant point (a) and withdraw gas in the atmosphere. Make the piping with pliers. sure to collect all the refrigerant gas. **Cautions for restoration** 2 Heat up the 3 brazed 1. Restore the piping by nonpoints of the four way oxidation brazing. valve. Disconnect the 2. It is required to prevent the point (b) first. carbonization of the oil 3 Disconnect the points inside the four way valve (c) and (d). and the deterioration of the (R11802) Note: gaskets affected by heat. ■ Do not use a metal saw for (Keep below 120°C.) For the cutting pipes by all means sake of this, wrap the four because the sawdust way valve with wet cloth and comes into the circuit. provide water so that the cloth does not dry. ■ When withdrawing the pipes, be careful not to In case of difficulty with gas pinch them firmly with brazing machine pliers. The pipes may get 1. Disconnect the brazed part deformed. where is easy to disconnect and restore. ■ Provide a protective sheet 2. Cut pipes on the main unit or a steel plate so that the with a tube cutter in order to brazing flame cannot make it easy to disconnect. (R11804) influence peripheries.

7. Removal of Compressor

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

Procedure Step **Procedure** 1. Remove the peripheries. Remove the four way valve, the terminal cover and the lead wire for the compressor so as not to burn them. 2 Remove the 3 nuts of the compressor. (R12022) ■ Before working, make Discharge side sure that the refrigerant gas is empty in the circuit. ■ Be sure to apply nitrogen replacement when heating up the brazed part. 2. Remove the compressor. Heat up the brazed part of the discharge side and disconnect. 2 Heat up the brazed part (R7422) of the suction side and disconnect. 3 Lift the compressor up and remove it. Note: ■ Do not use a metal saw for cutting pipes by all means because the sawdust comes into the Suction side 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 heat exchanger fin.

Points

gas brazing machine.

**** Warning Be careful not to get yourself burnt with the pipes and other parts that are heated by the

Warning If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.)

Warning 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.

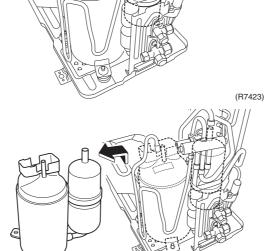
Cautions for restoration

- 1. Restore the piping by nonoxidation 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.) For the sake of this, wrap the four way valve with wet cloth and provide water so that the cloth does not dry.

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.

(R7424)



Revision History

Month / Year	Version	Revised contents
06 / 2013	Si00-874	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

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