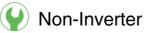




SERVICE MANUAL

5.0 kW Class 18000 Btu/h Class









Service Manual Removal Procedure

Outdoor Unit

Applicable Models

Cooling Only

R18LV2S

RE18NV2S

AR18KV2S

R50HV1

R50HV14

R50JV1V

R50MV16

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

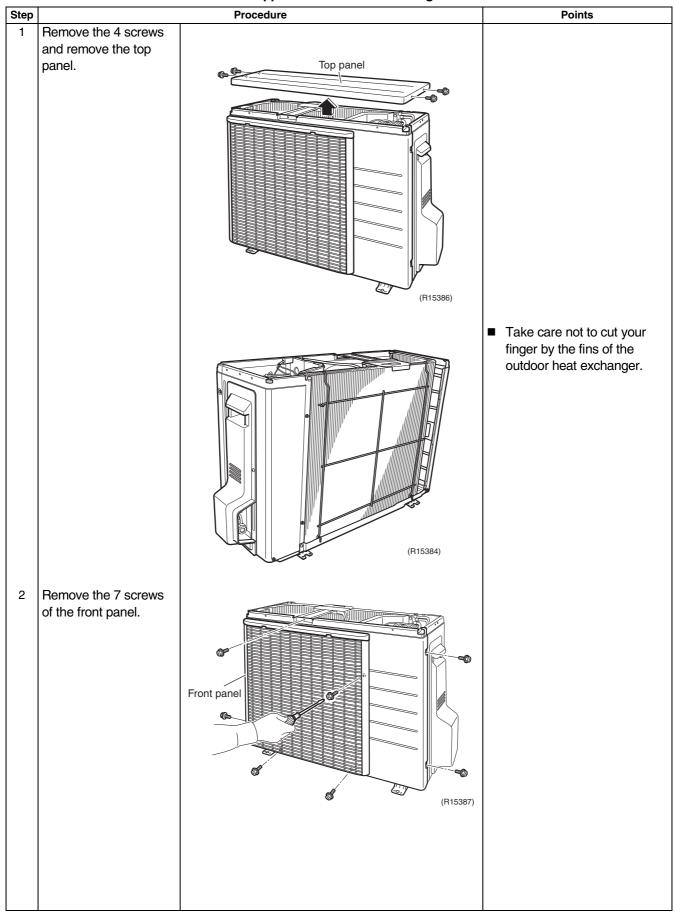
Removal of Outer Panels Si011191

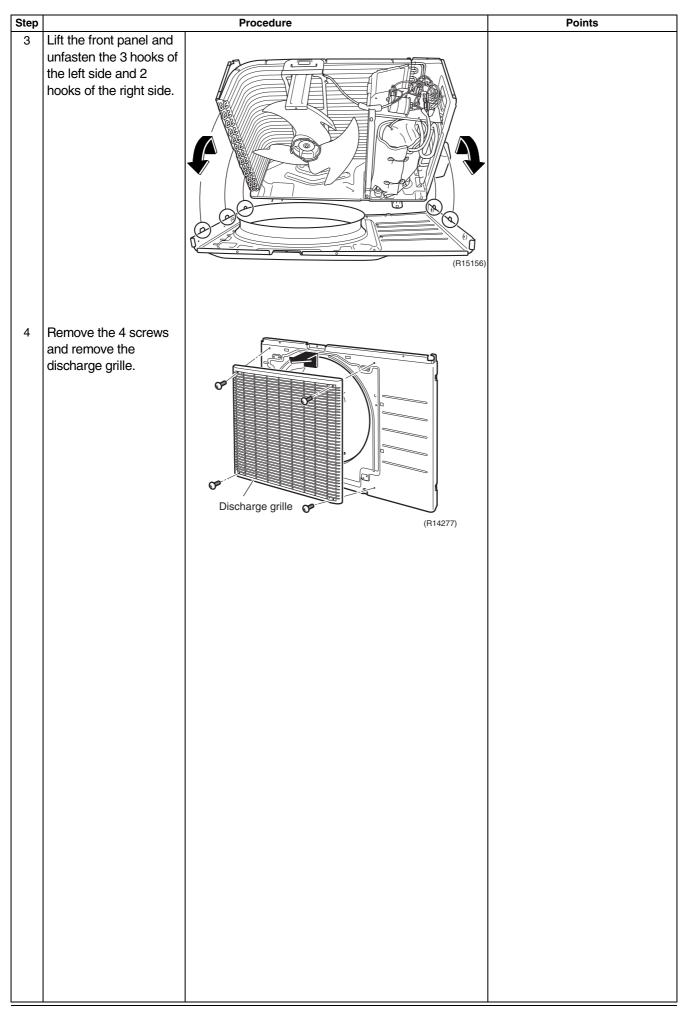
1. Removal of Outer Panels

Procedure

V Warning

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



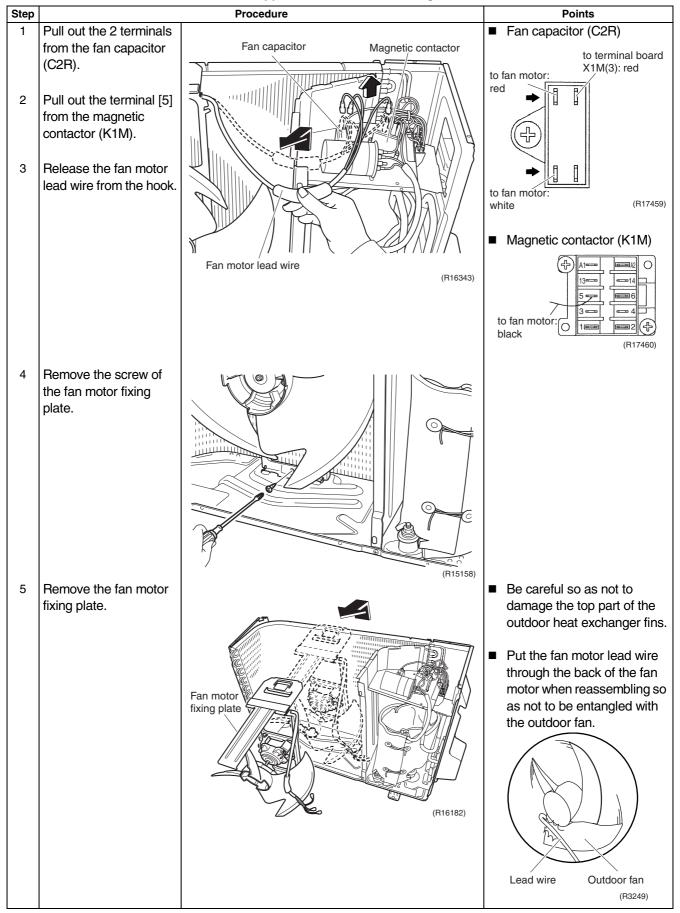


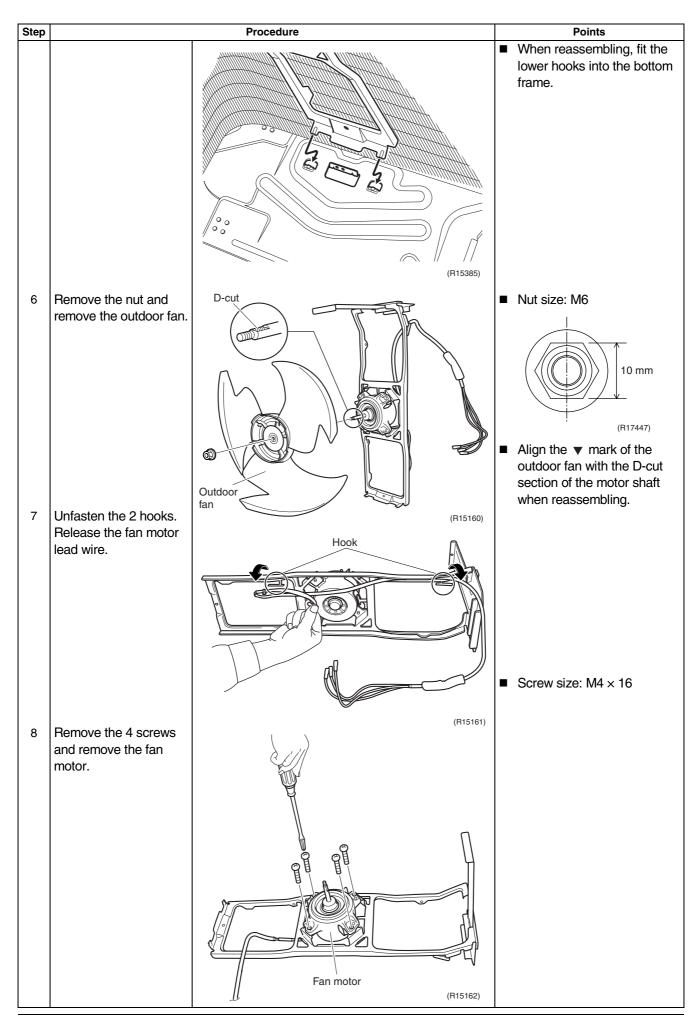
2. Removal of Outdoor Fan / Fan Motor (Pattern 1)

Procedure

Warning

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



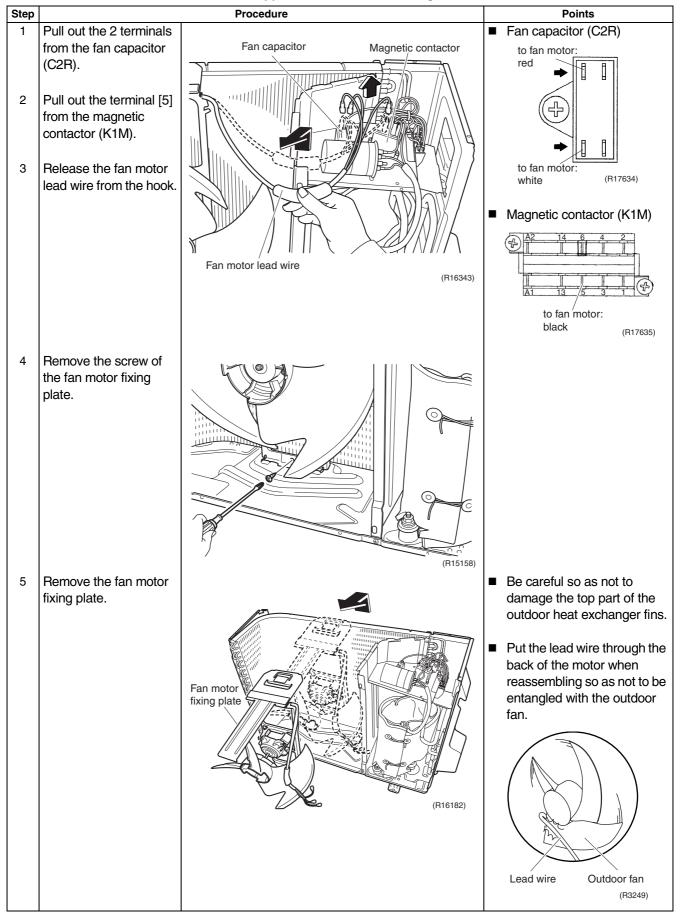


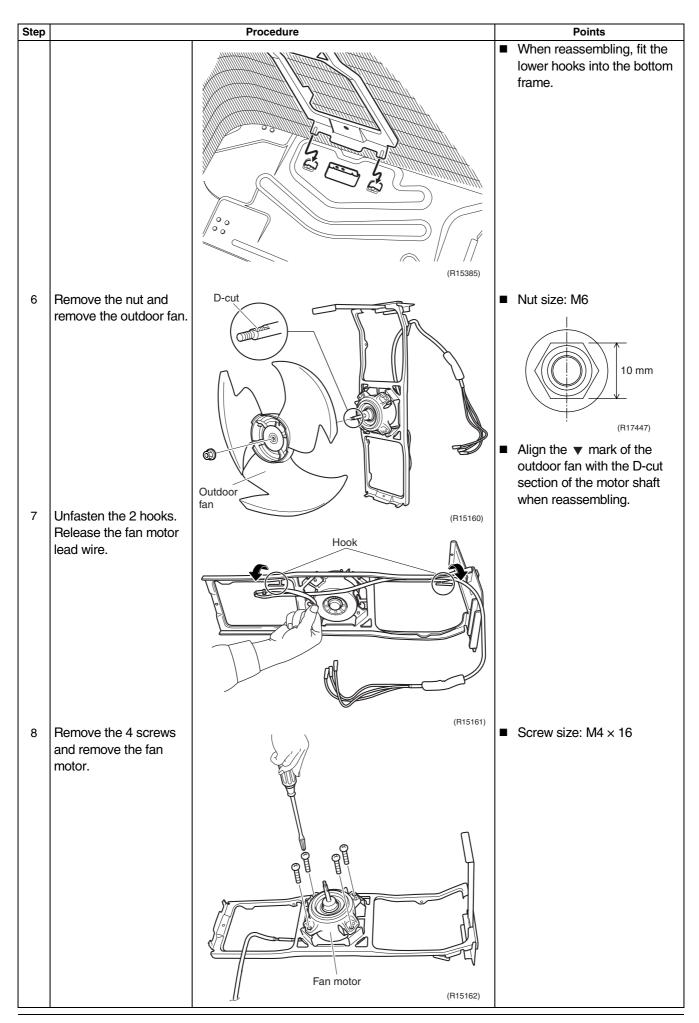
3. Removal of Outdoor Fan / Fan Motor (Pattern 2)

Procedure

Warning

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



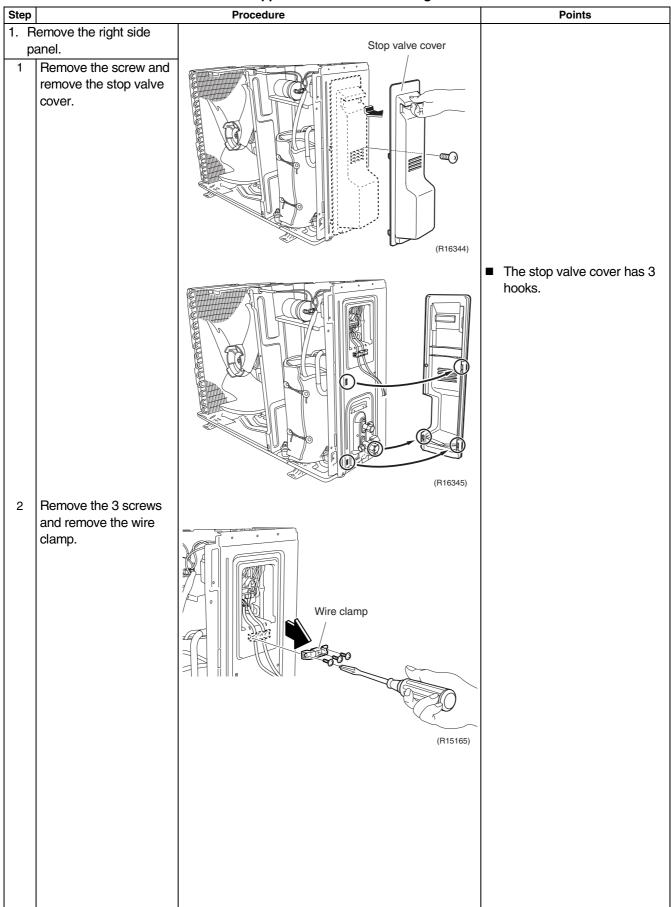


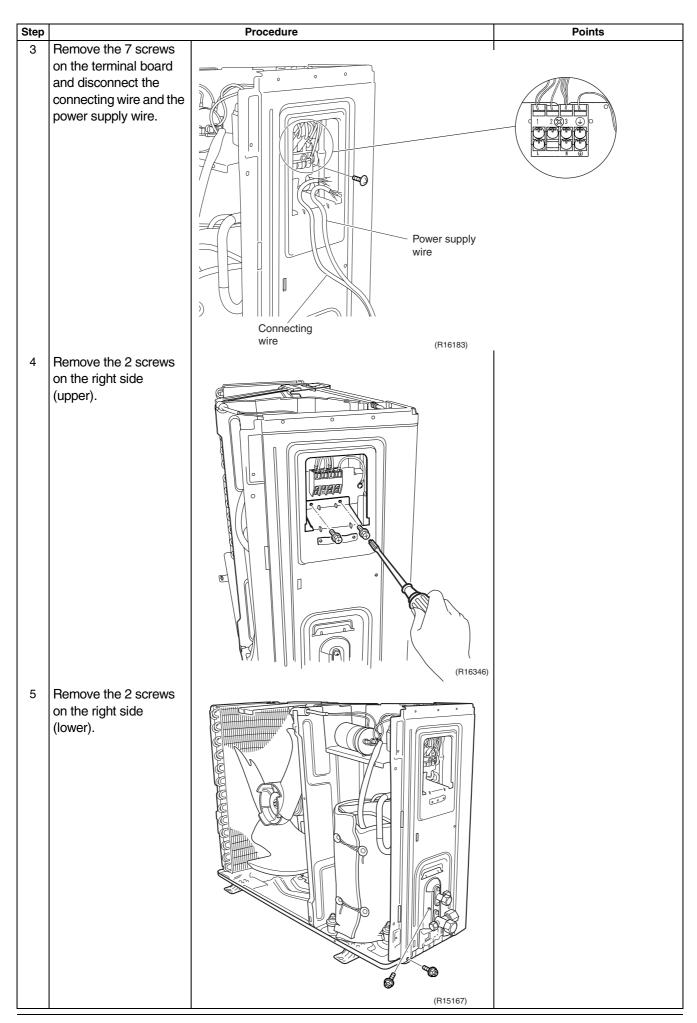
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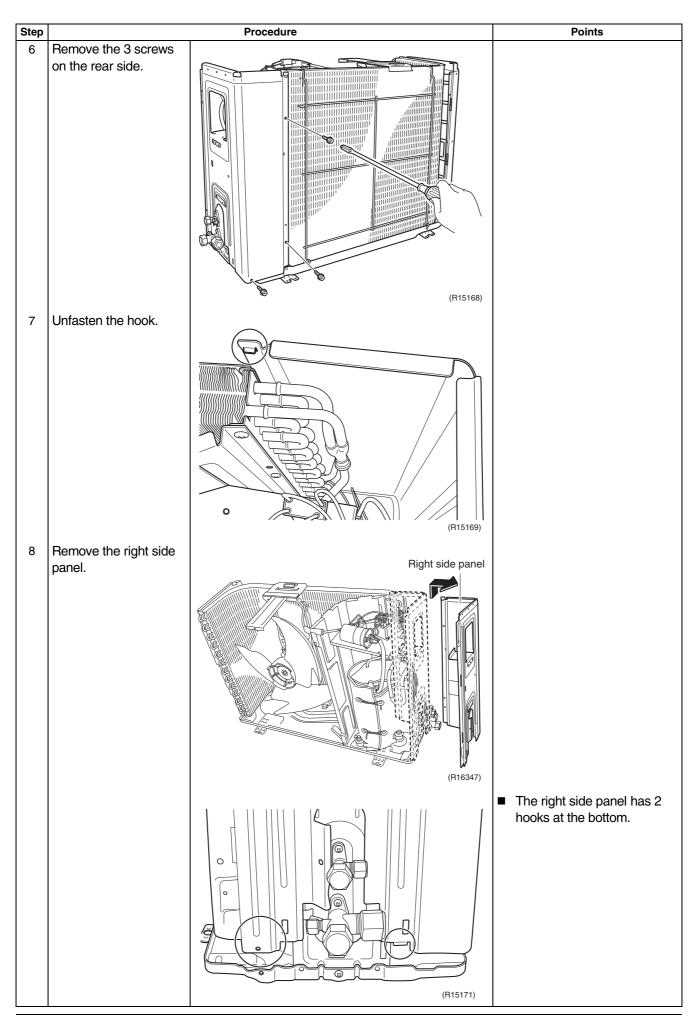
Procedure

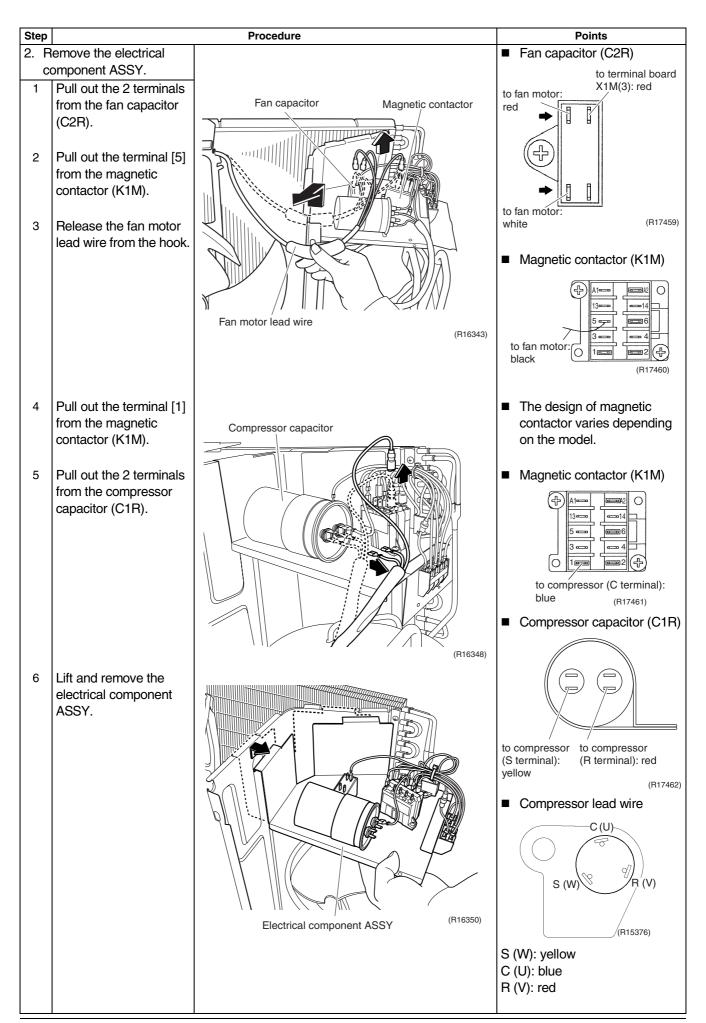
/ Warning

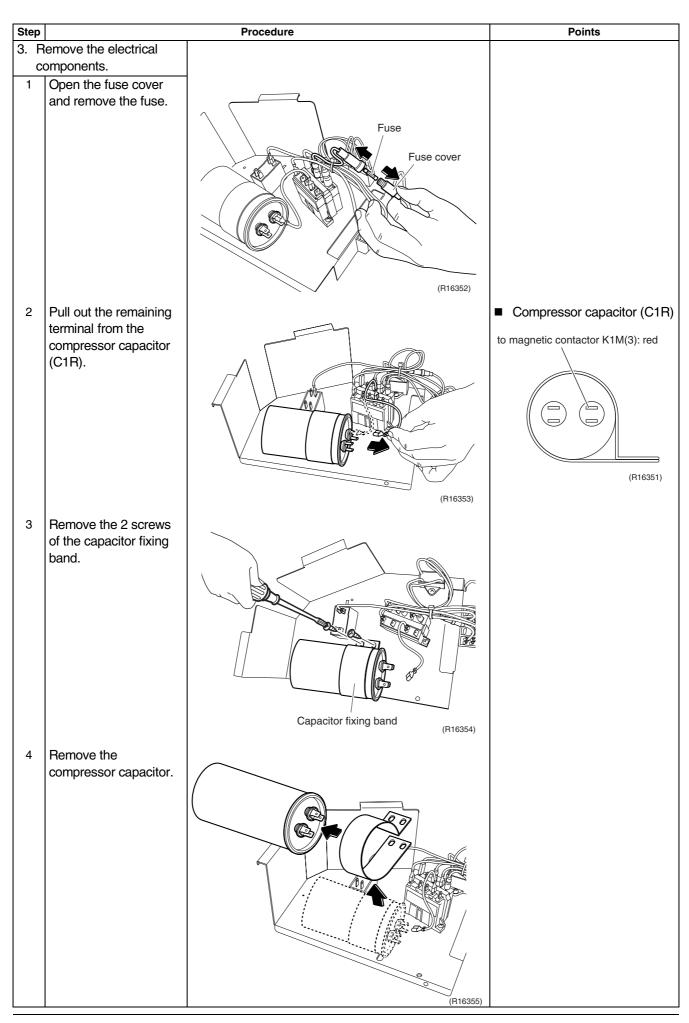
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

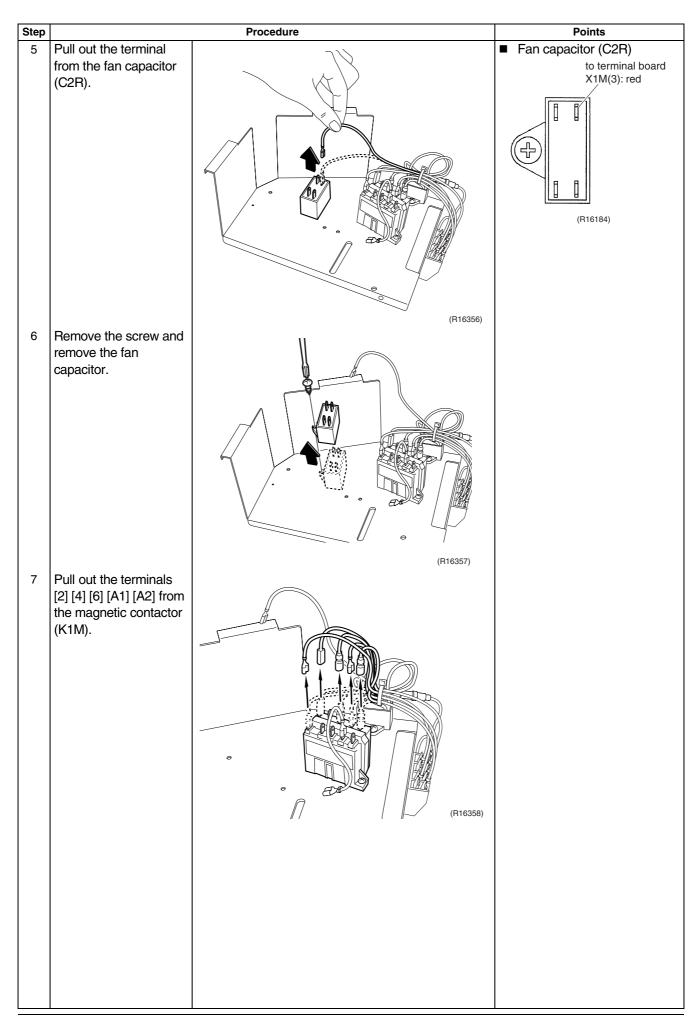


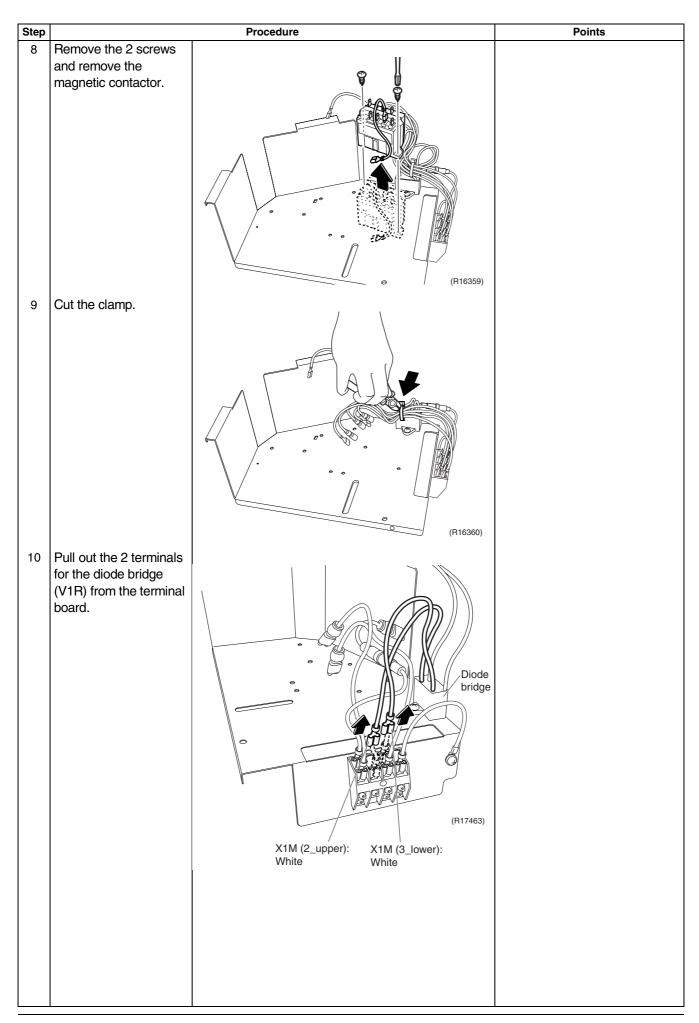


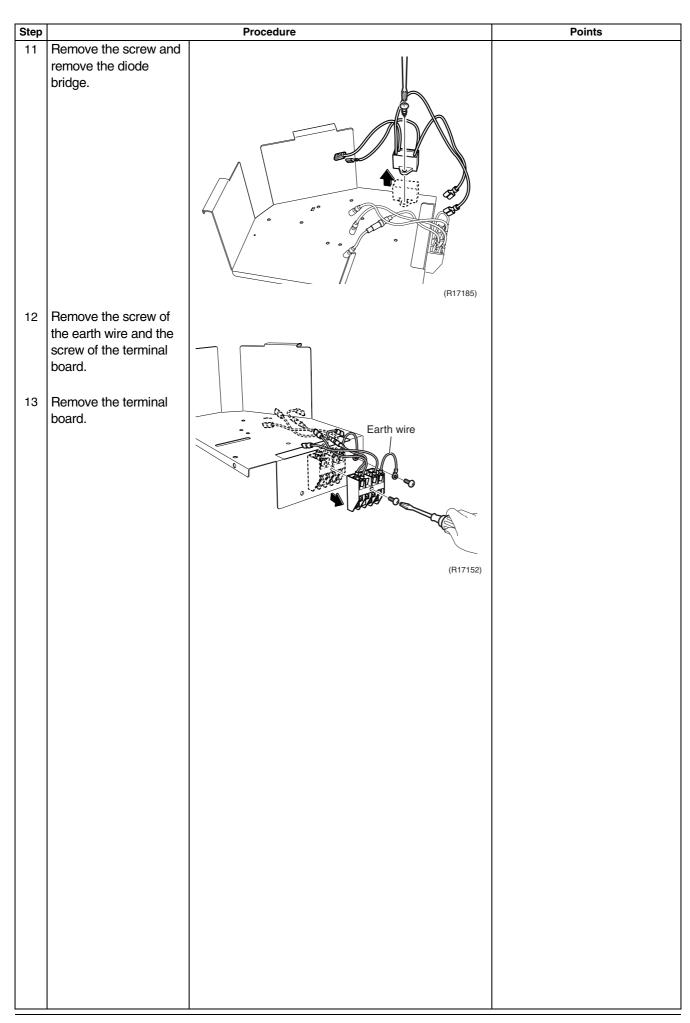










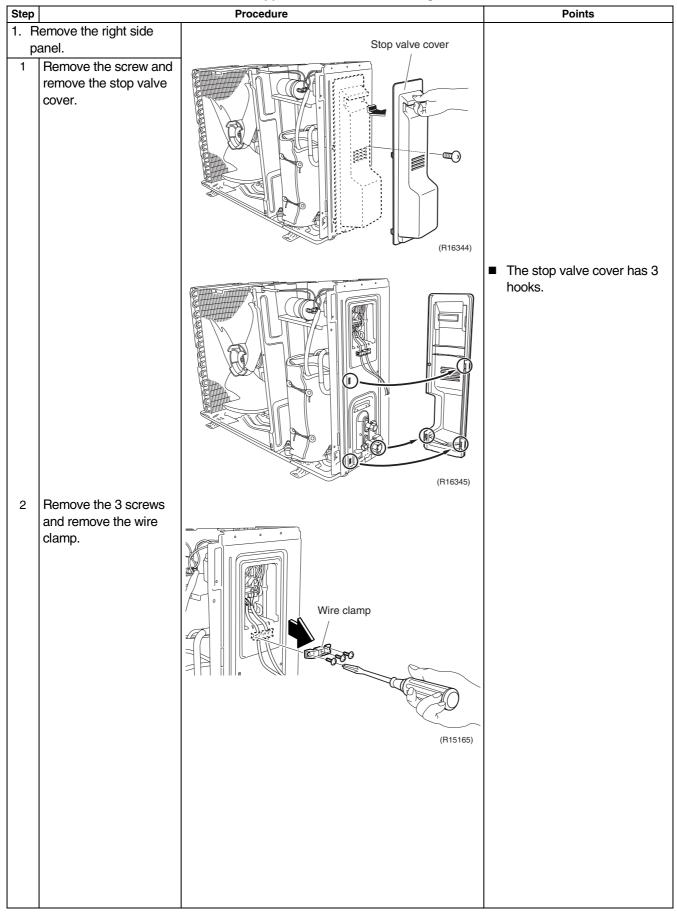


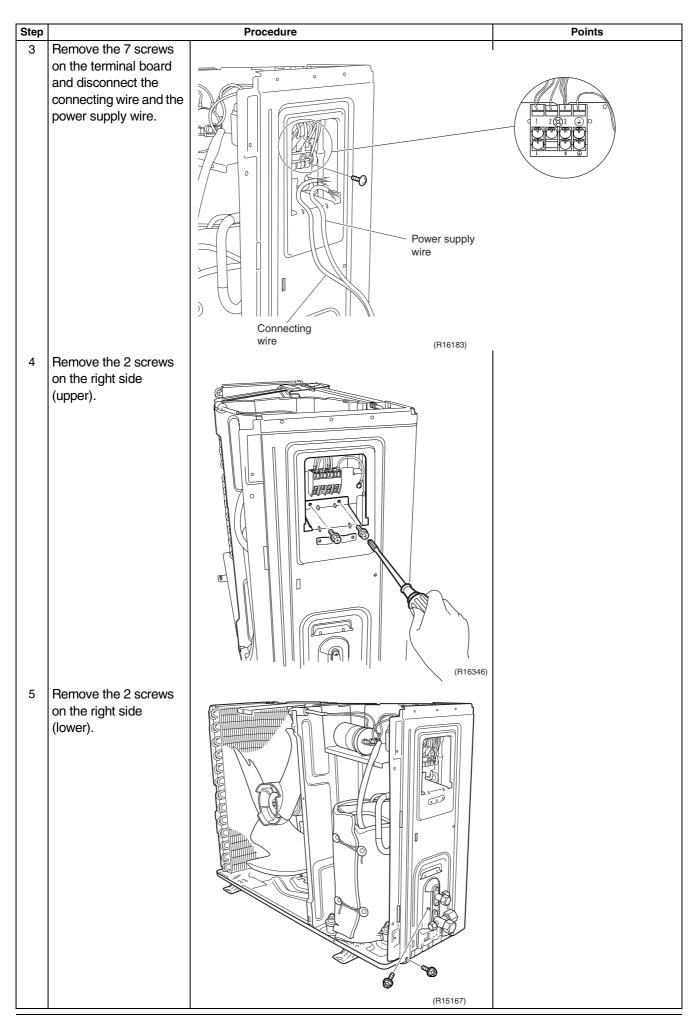
5. Removal of Electrical Components (Pattern 2)

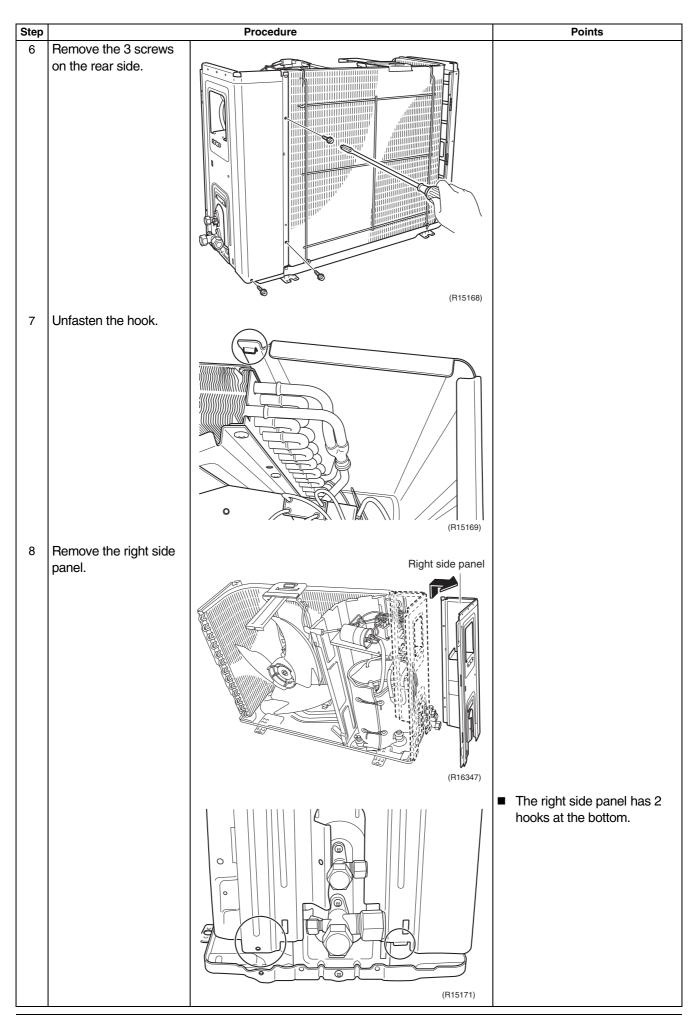
Procedure

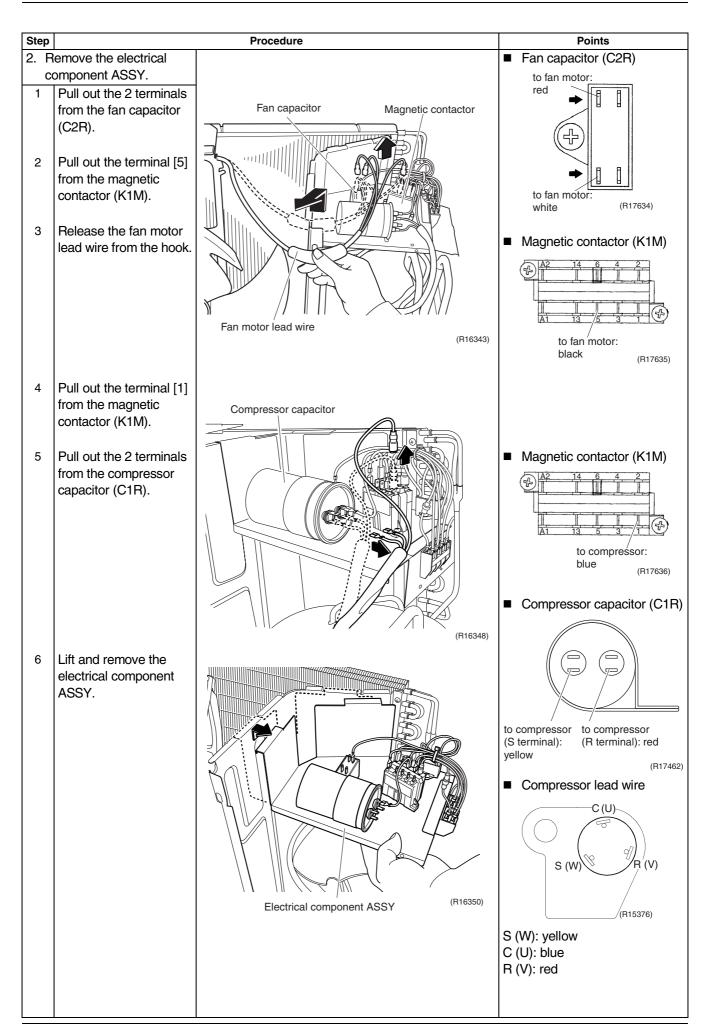
/ Warning

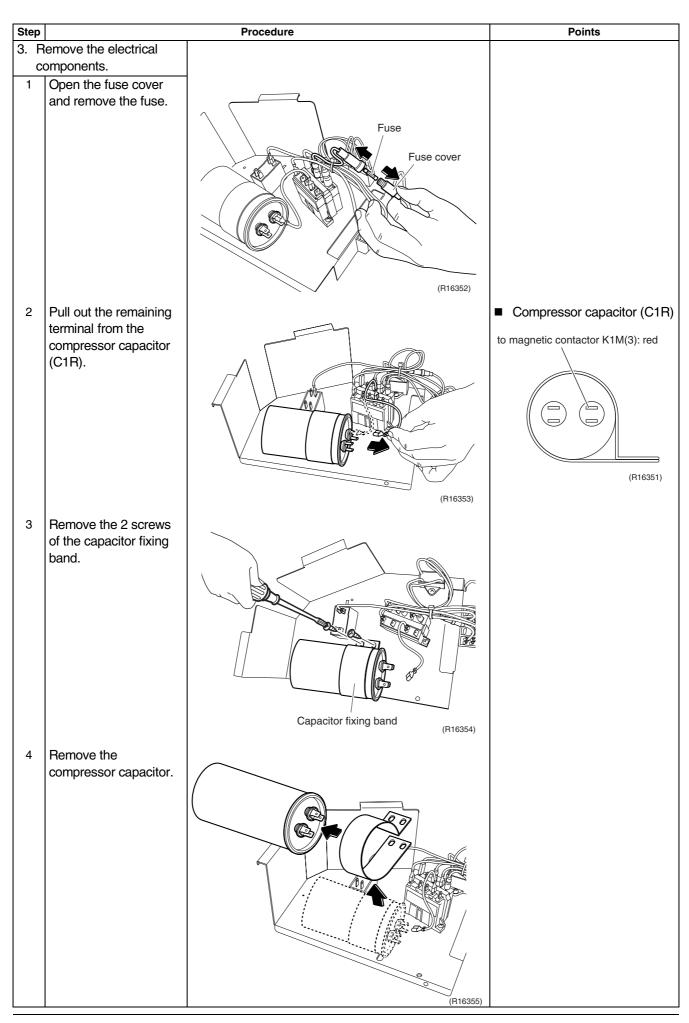
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

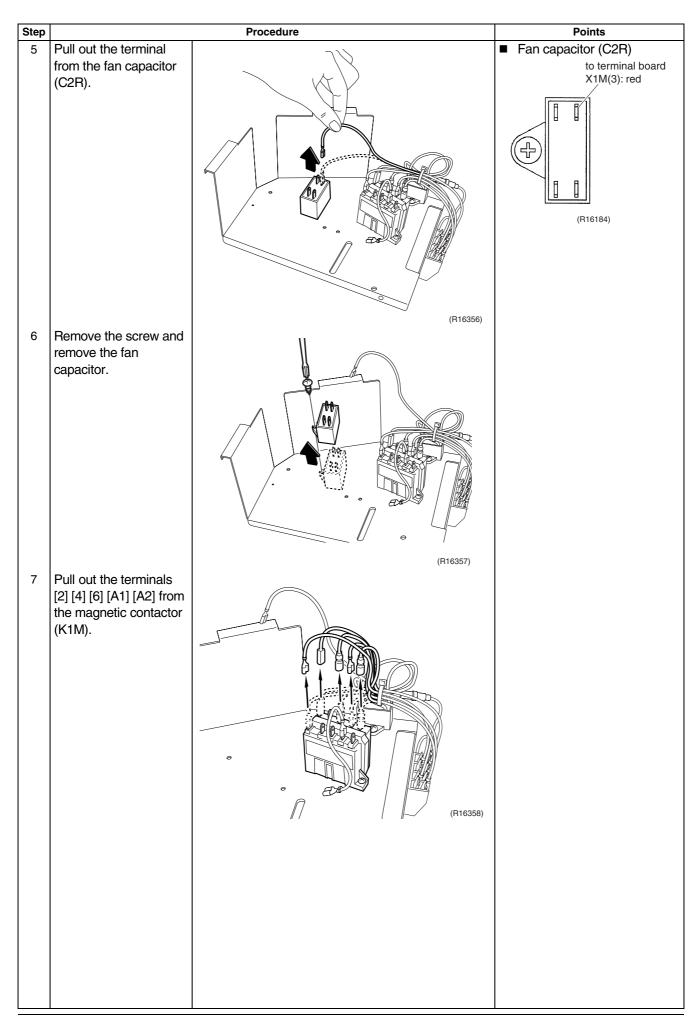


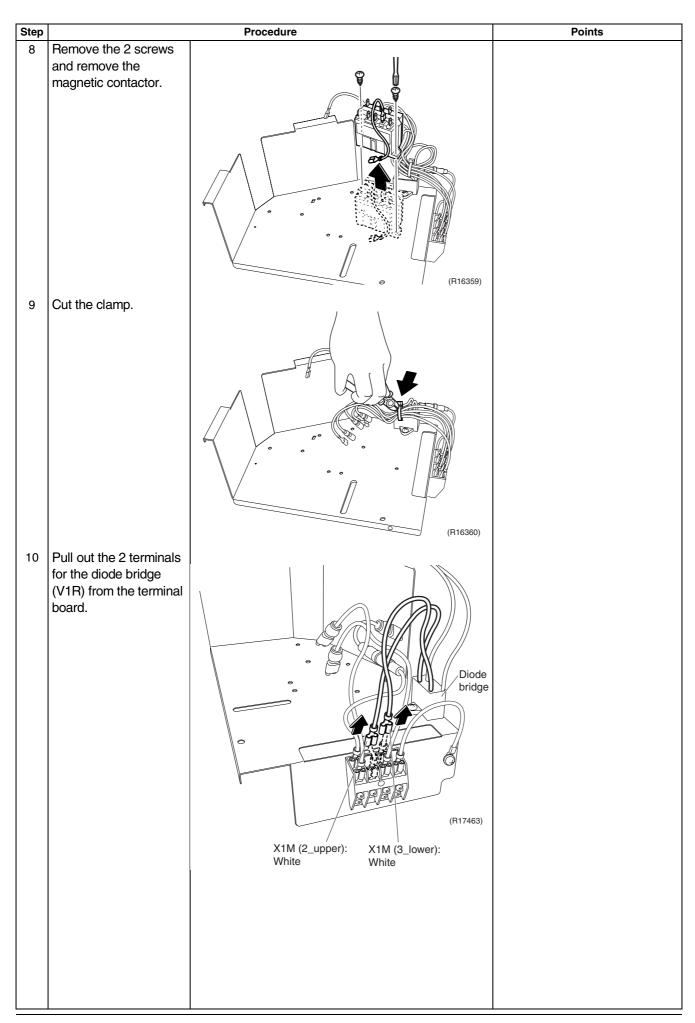


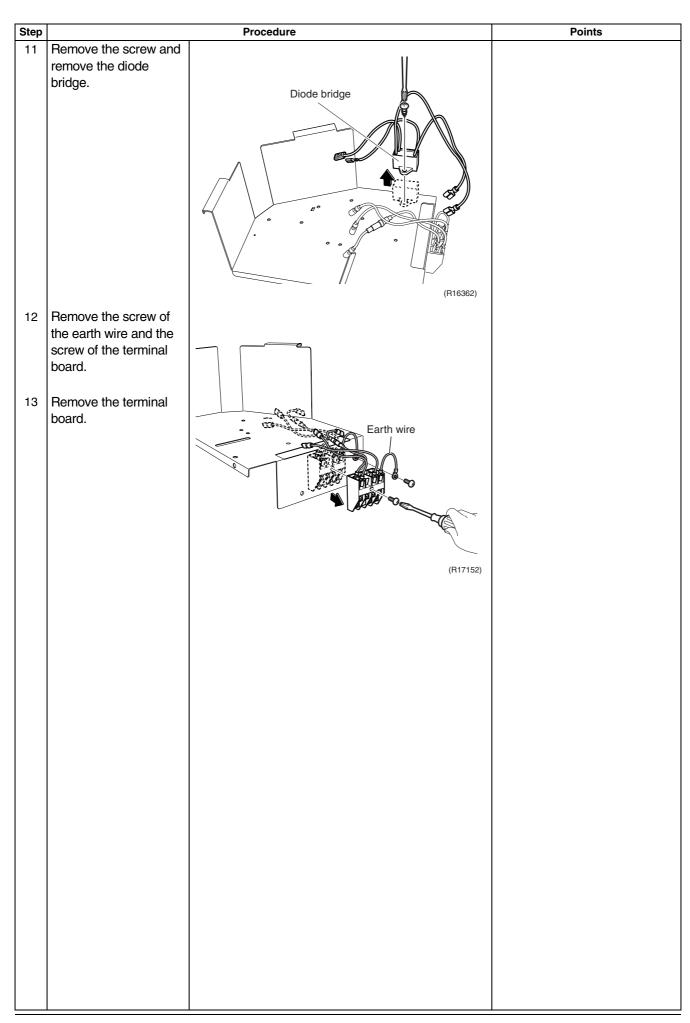












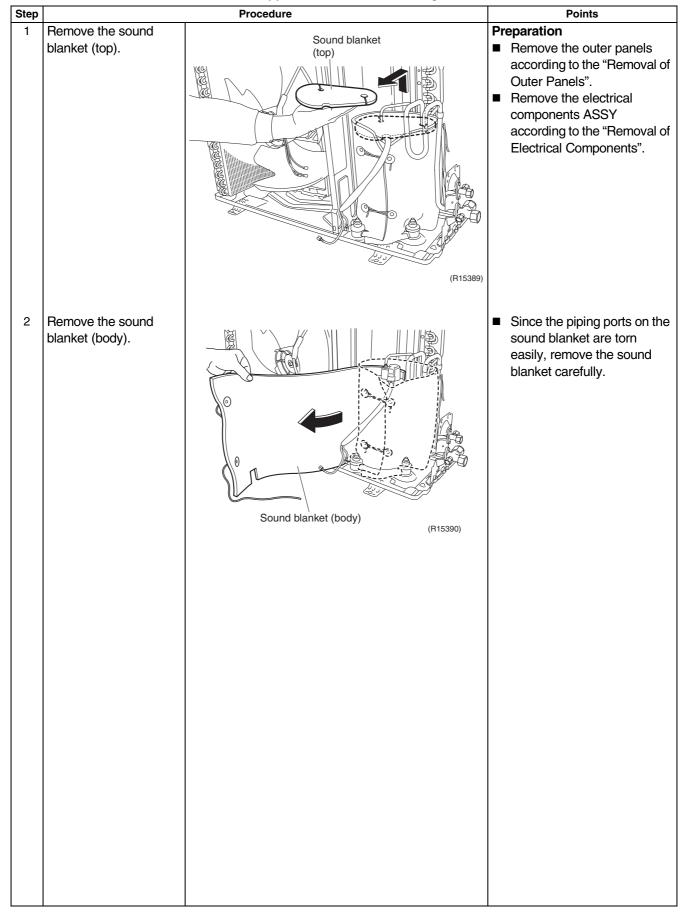
Removal of Sound Blankets Si011191

6. Removal of Sound Blankets

Procedure

Warning

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



7. Removal of Capillary Tube (Pattern 1)

Procedure

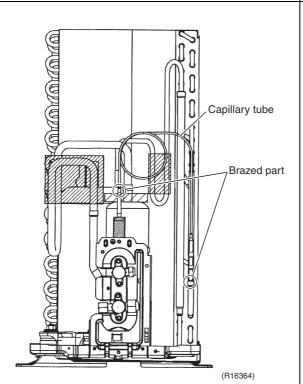
Procedure

/ Warning

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

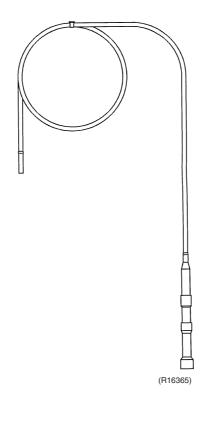
Step

- 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.
- 1 Heat up the 2 brazed parts and remove the capillary tube.



Note:

- 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 heat exchanger fin.



Points

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

! 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. Avoid excessive heating. (Keep below 120°C)

In case of difficulty with gas brazing machine

- Disconnect the brazed part where is easy to disconnect and restore.
- Cut pipes on the main unit with a tube cutter in order to make it easy to disconnect.

8. Removal of Capillary Tube (Pattern 2)

Procedure

Procedure

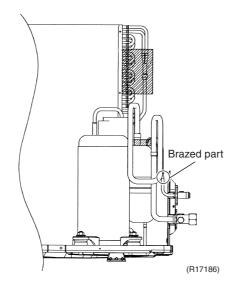
Warning

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

■ 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.
- 1 Heat up the 2 brazed parts and remove the capillary tube.

Capillary tube Brazed part





Points

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

/ 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.
- Avoid excessive heating. (Keep below 120°C)

In case of difficulty with gas brazing machine

- Disconnect the brazed part where is easy to disconnect and restore.
- Cut pipes on the main unit with a tube cutter in order to make it easy to disconnect.

Note:

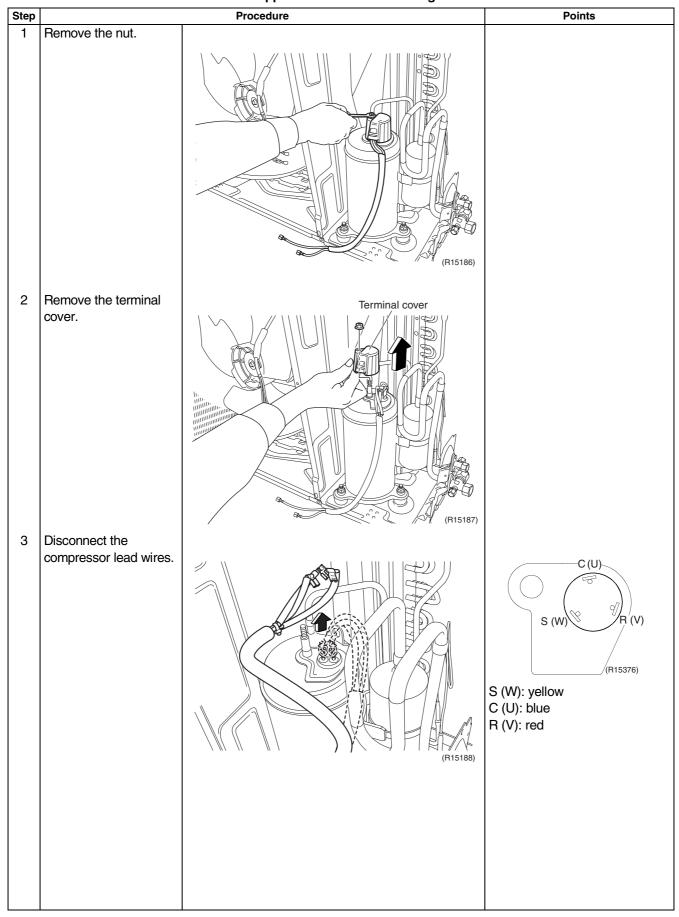
- Do not use a metal saw for cutting pipes by all means because the sawdust comes into the circuit.
- When withdrawing the pipes, be careful not to pinch them firmly with pliers. The pipes may get deformed.
- Provide a protective sheet or a steel plate so that the brazing flame cannot influence peripheries.
- Be careful so as not to burn the compressor terminals, the name plate, the heat exchanger fin.

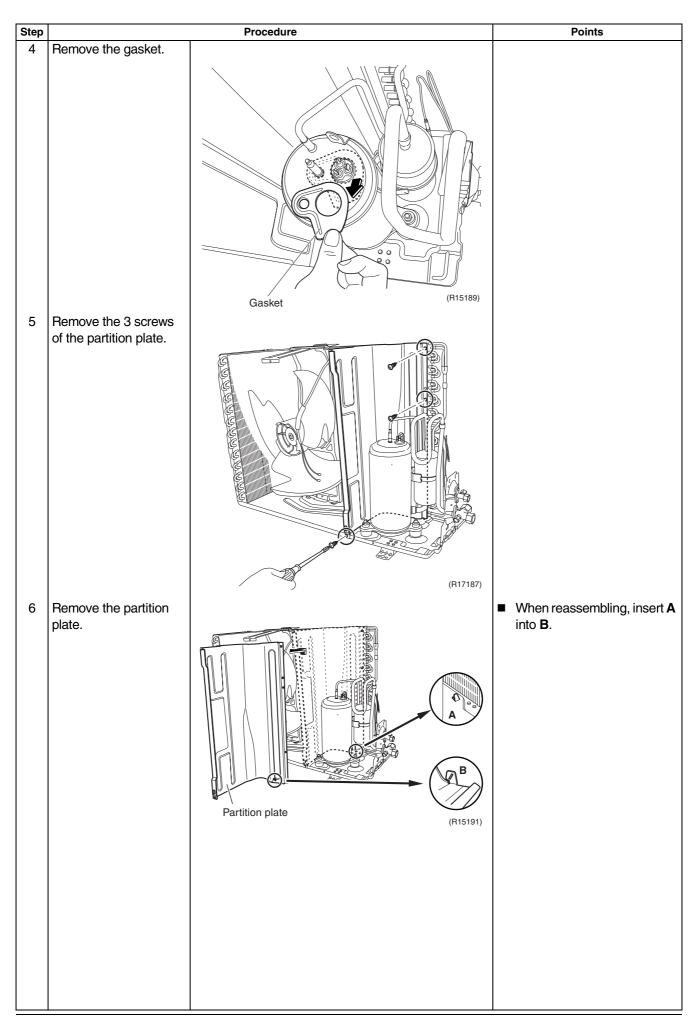
9. Removal of Compressor ASSY

Procedure

V Warning

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





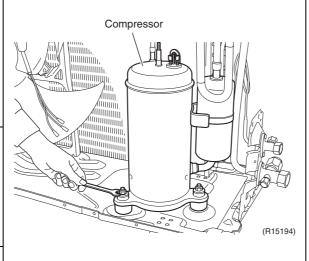
Step 7 Remove the 3 nuts of the compressor. ■ Before working, make sure that the refrigerant gas is empty in the circuit. ■ Be sure to apply nitrogen replacement when heating up the brazed

- 8 Heat up the brazed part of the discharge side and disconnect.
- 9 Heat up the brazed part of the suction side and disconnect.

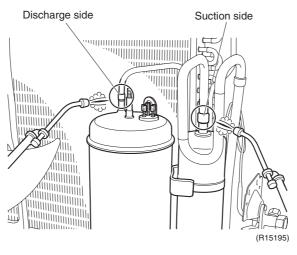
10 Lift the compressor ASSY up and remove it.

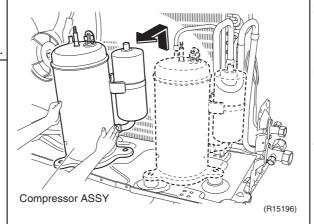
Note:

- 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 heat exchanger fin.



Procedure





Points

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
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 non-oxidation brazing.
- Avoid excessive heating. (Keep below 120°C)

In case of difficulty with gas brazing machine

- Disconnect the brazed part where is easy to disconnect and restore.
- 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
08/2012	Si011191	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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