



### SERVICE MANUAL

# 1.5/2.0/2.5/3.5 kW Class 9000/12000 Btu/h Class





Inverter



Pair Type



# Service Manual Removal Procedure

# **Outdoor Unit**

Cooling Only

RK15JEVM RK20JEVM RK25JEVM RK35JEVM

RKN09JEVJU RKN12JEVJU

RKN25JEVM RKN35JEVM

RKS09JEVJU RKS12JEVJU Heat Pump

RX20JV1B RX25JV1B RX35JV1B

RX25JEVM RX35JEVM

RXN09JEVJU RXN12JEVJU

RXN25JEV1B RXN35JEV1B

RXS09JEVJU RXS12JEVJU

RXP35JV2C

ARX20JV1B ARX25JV1B ARX35JV1B

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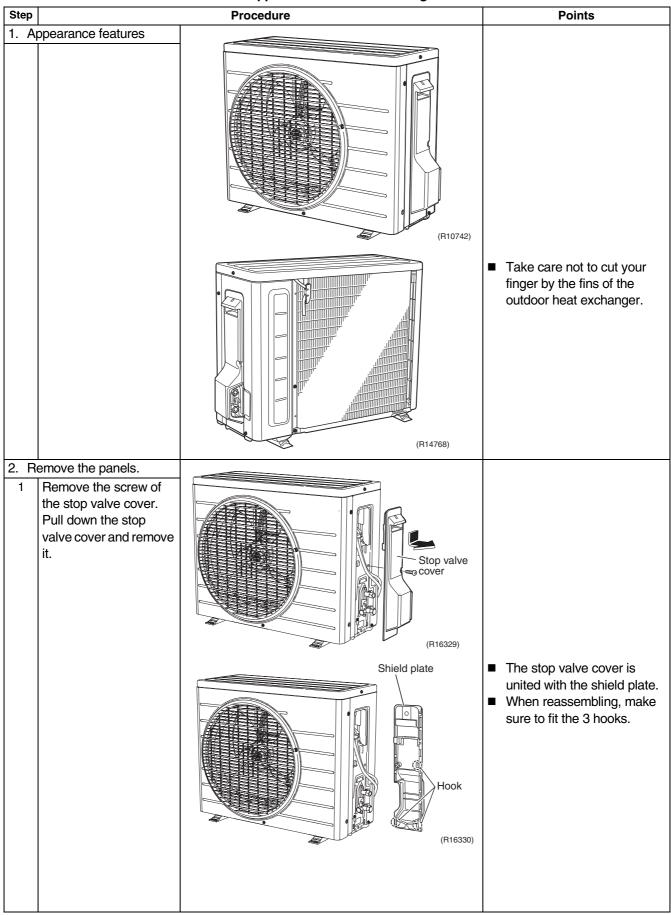


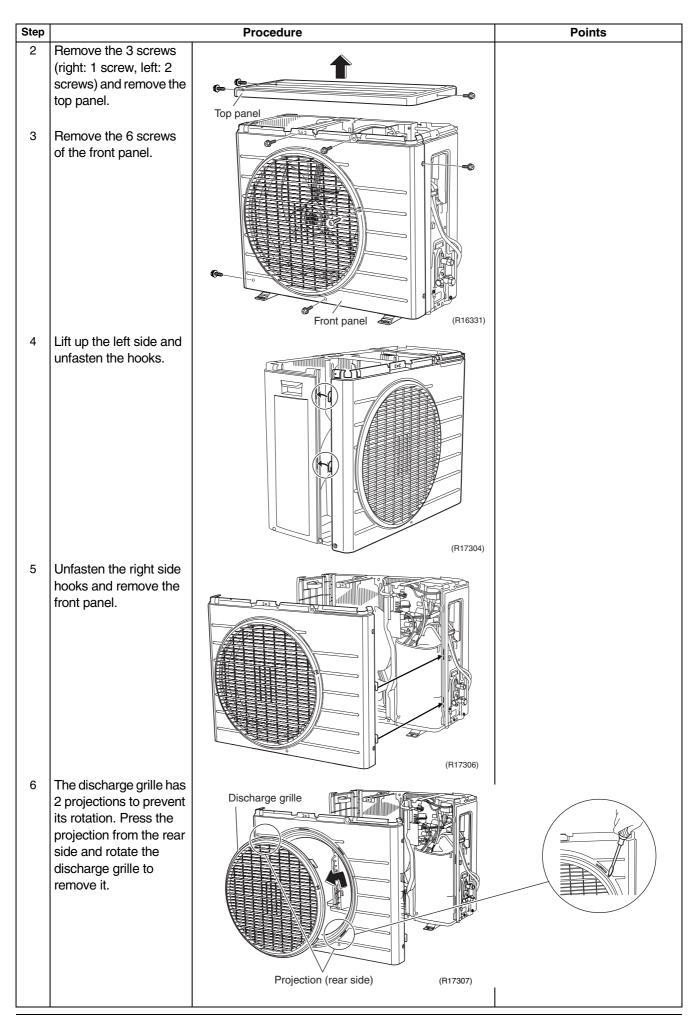
- The illustrations may be slightly different depending on the model.
  The illustrations are for heat pump models as representative.

# 1. Removal of Outer Panels (Pattern 1)

**Procedure** 

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

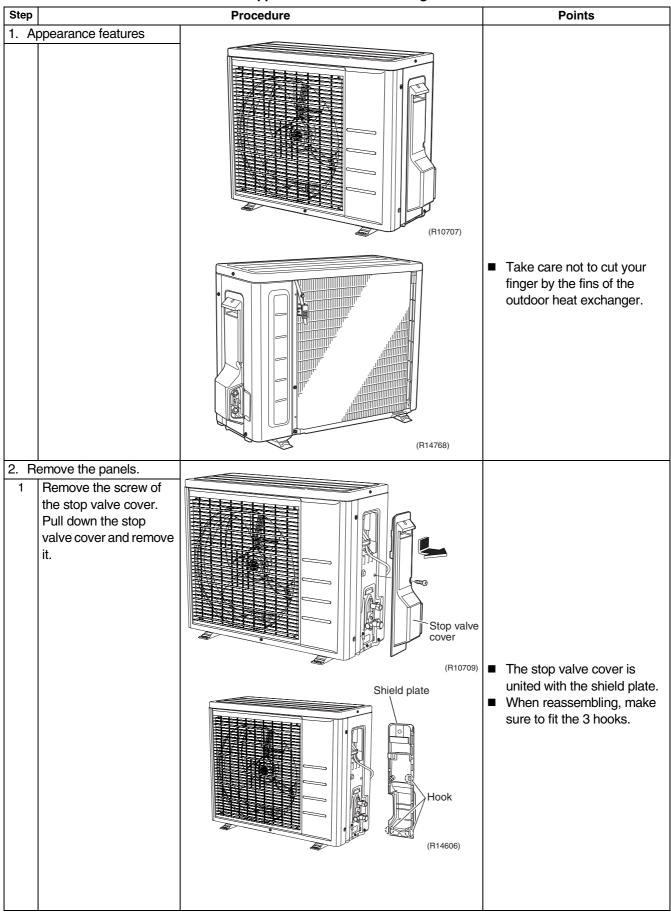


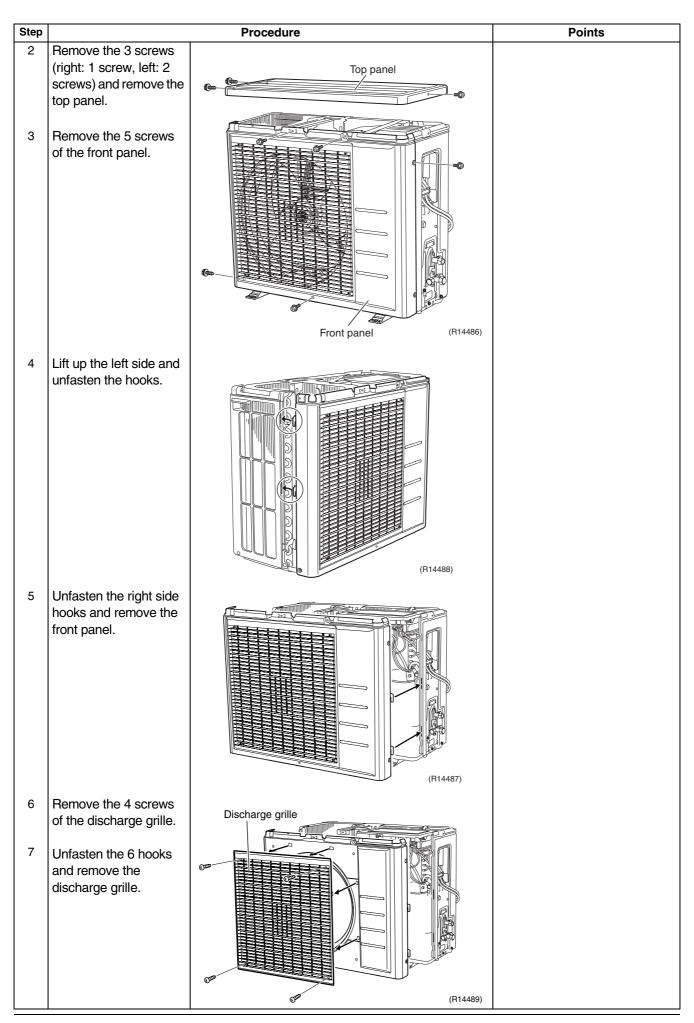


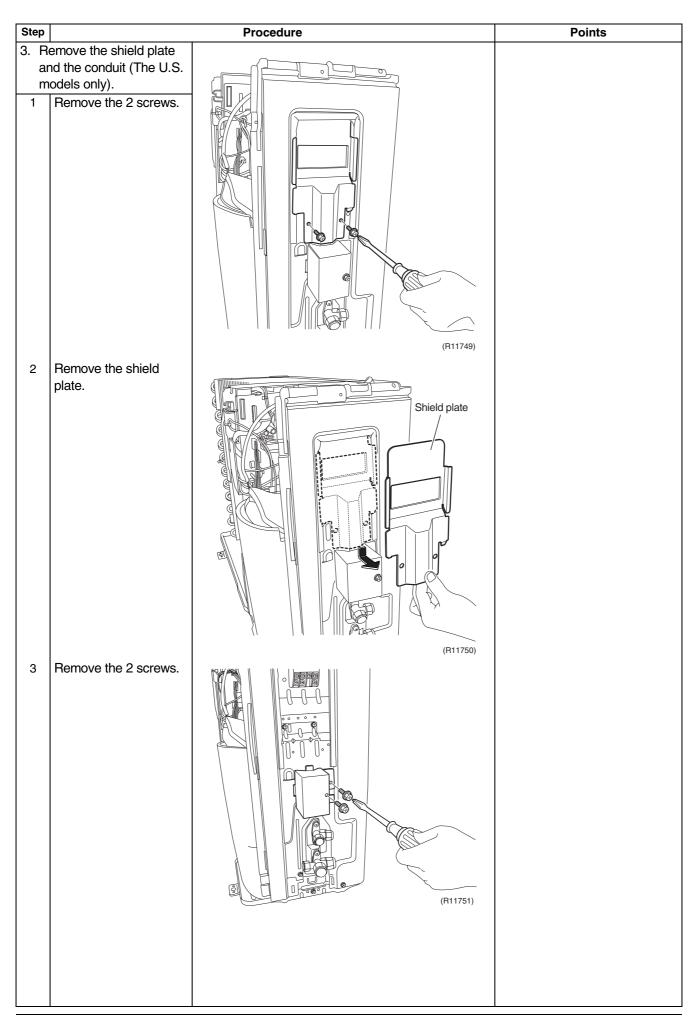
# 2. Removal of Outer Panels (Pattern 2)

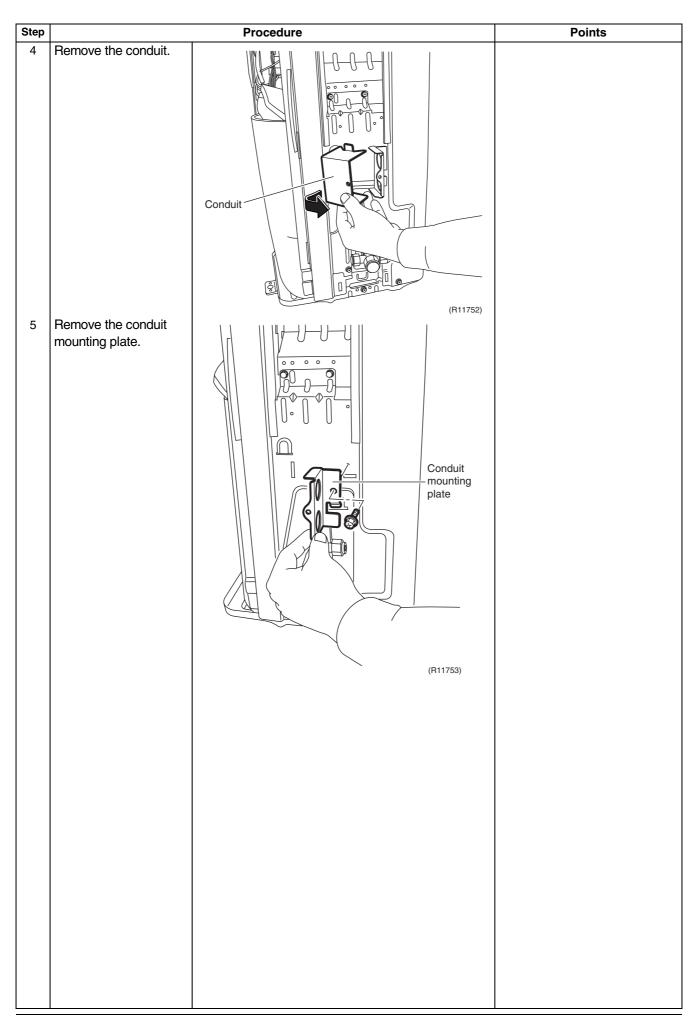
**Procedure** 

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





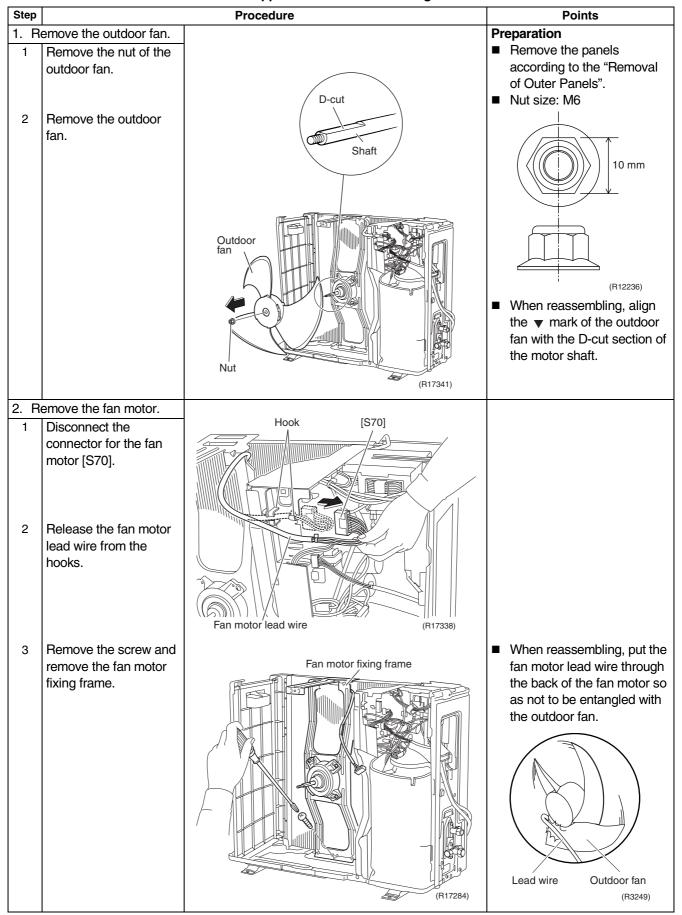


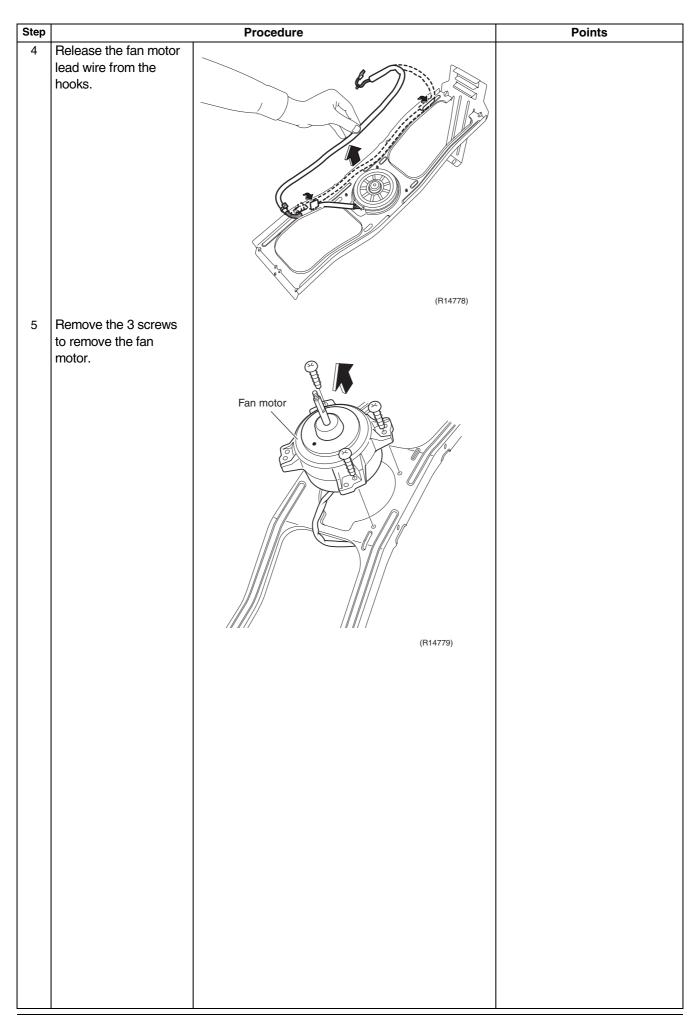


### 3. Removal of Outdoor Fan / Fan Motor

#### **Procedure**

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



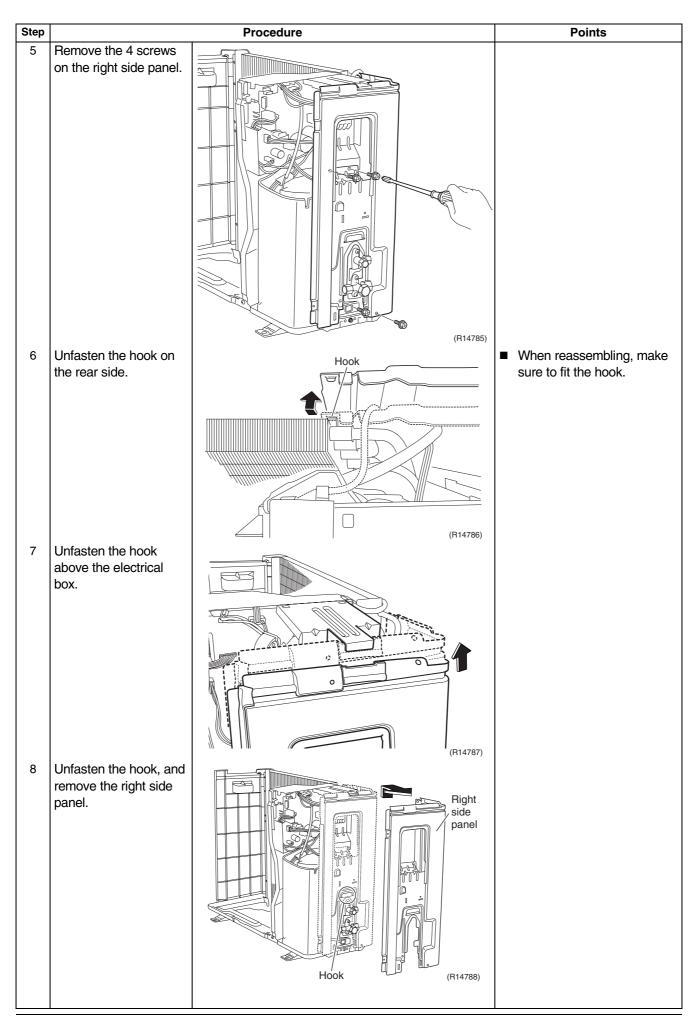


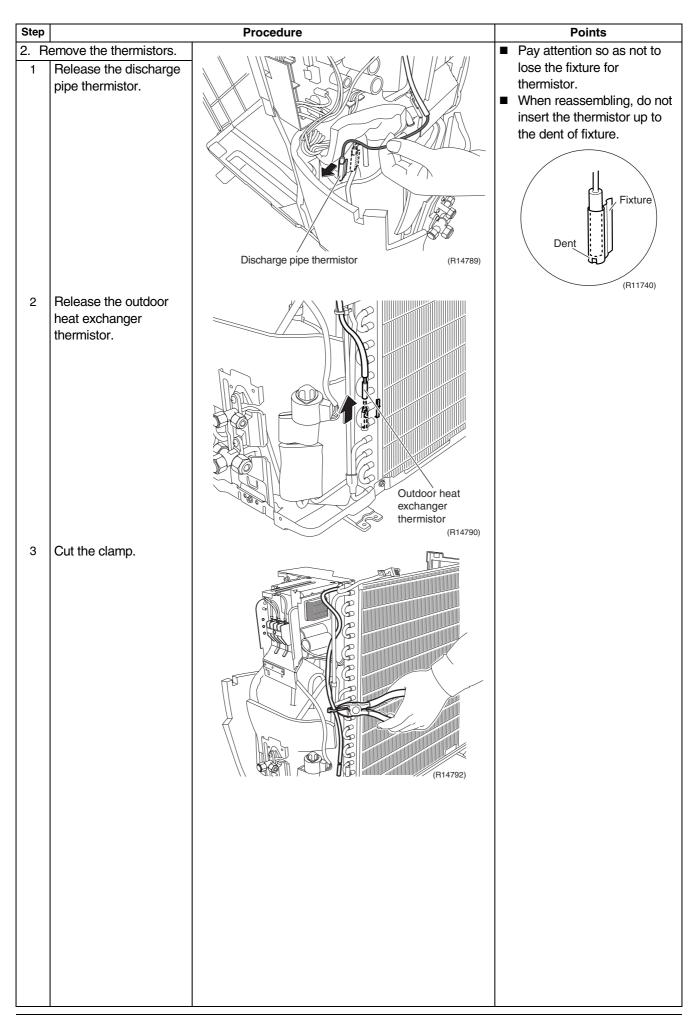
# 4. Removal of Electrical Box / PCBs

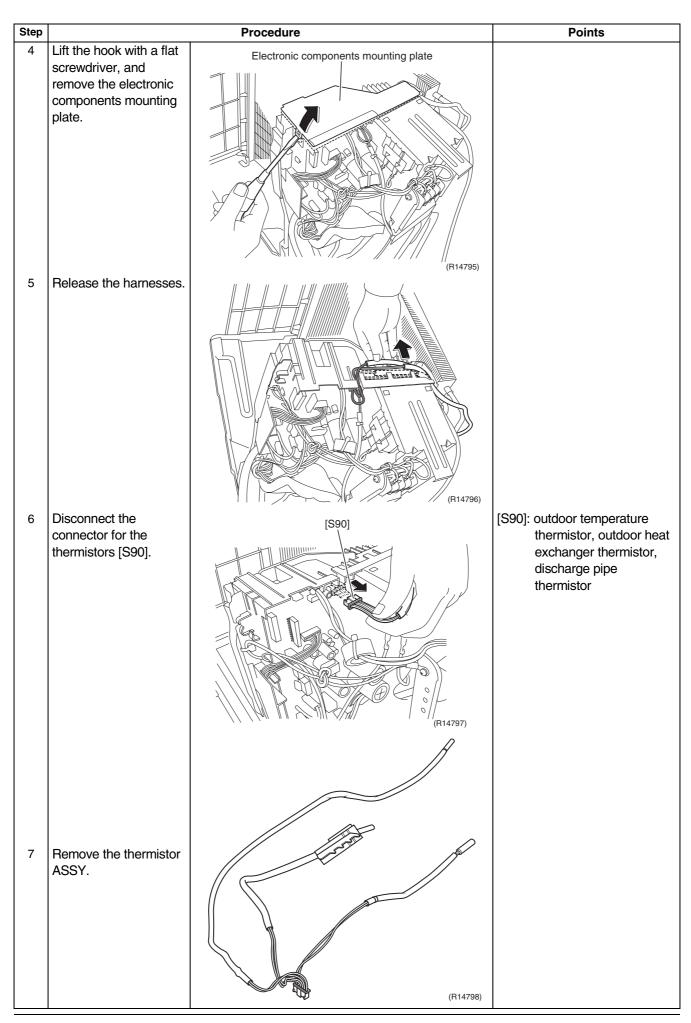
#### **Procedure**

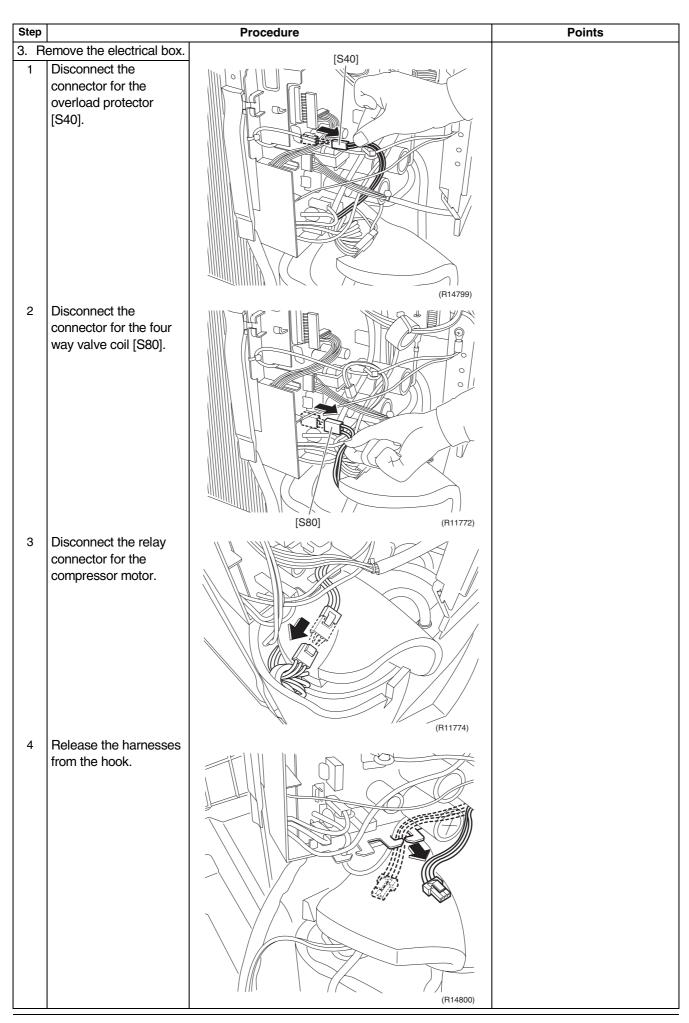
Warning Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

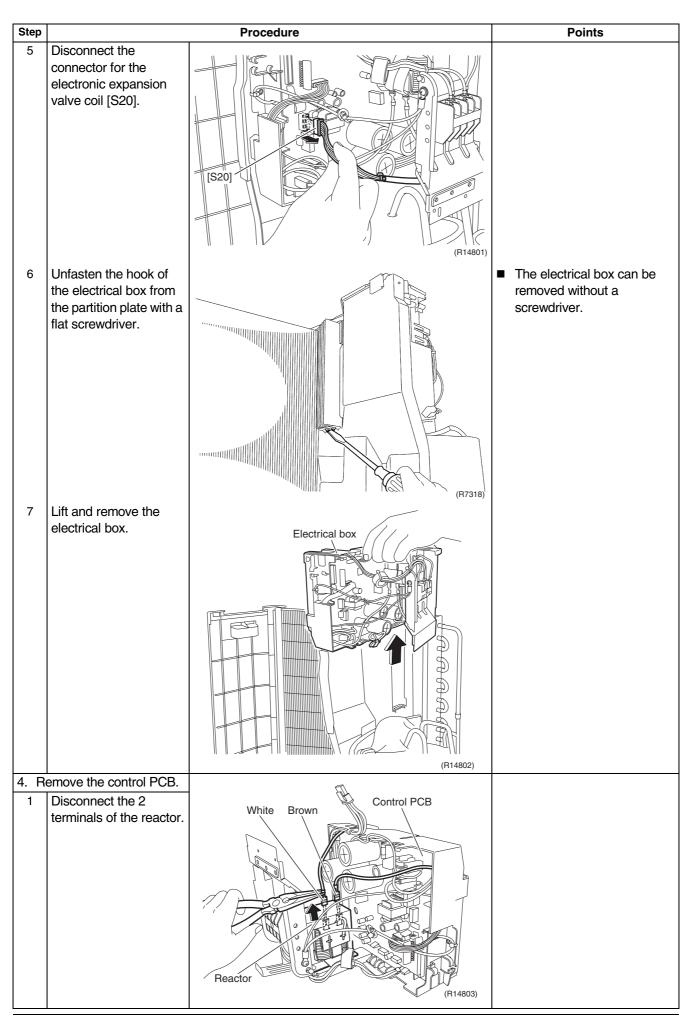
Procedure Step **Points** 1. Remove the right side **Preparation** panel. ■ Remove the panels according to the "Removal Release the outdoor of Outer Panels". temperature thermistor. Outdoor temperature thermistor (R17310) 2 Remove the screws and release the connecting wire and the power supply wire. Power supply Connecting wire wire (R17285) Remove the 3 screws 3 and remove the wire clamp. Wire clamp (R14783) 4 Remove the screw on the rear side of the right side panel. Right side panel (R17308)

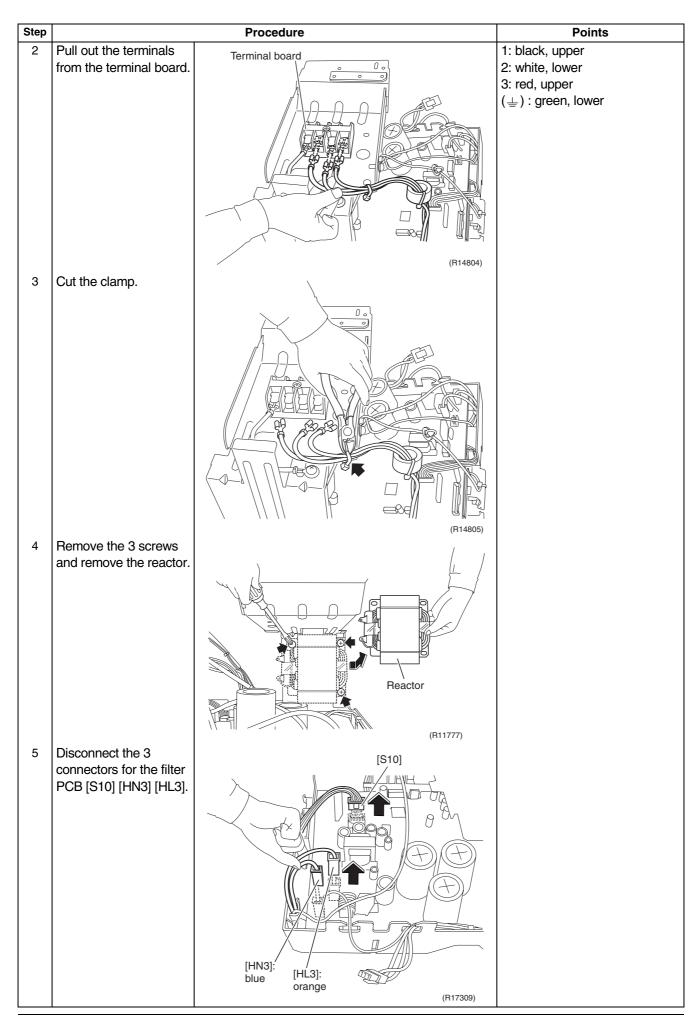


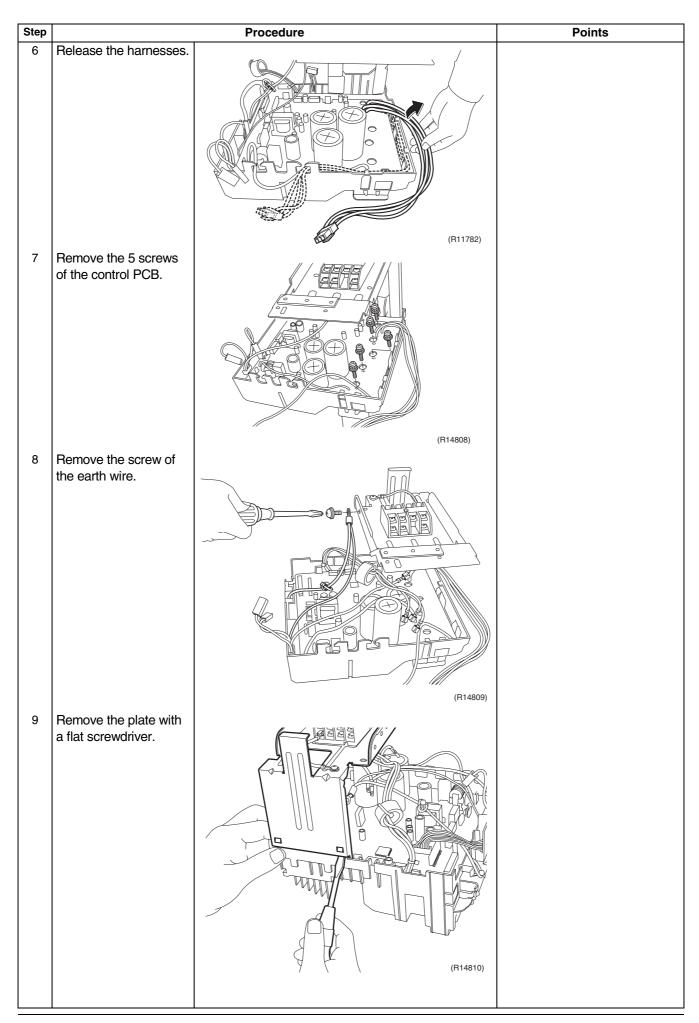


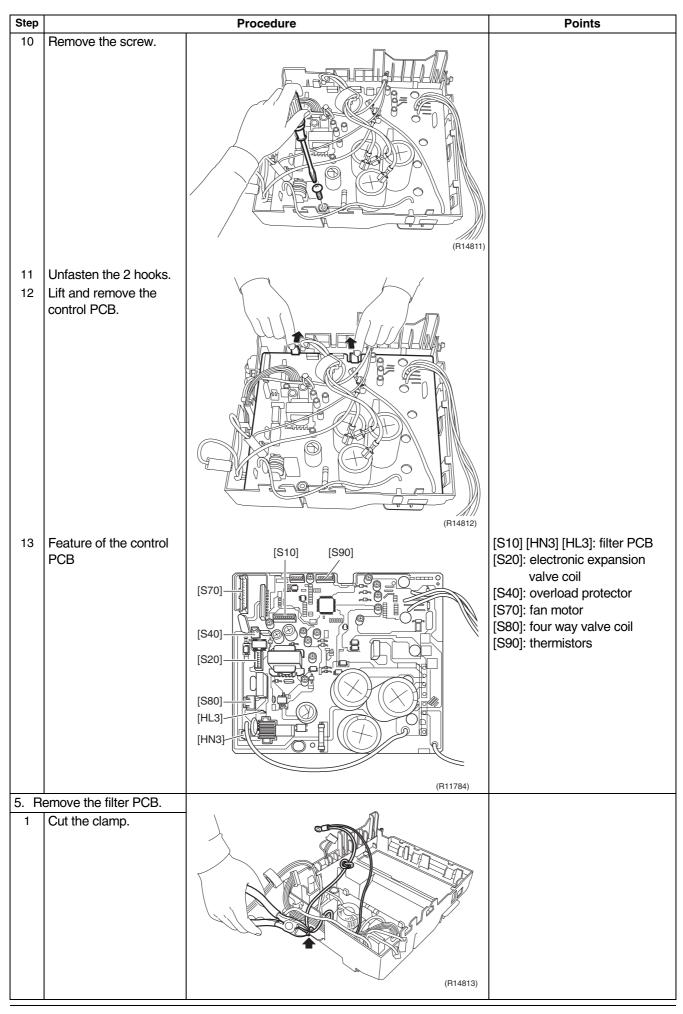


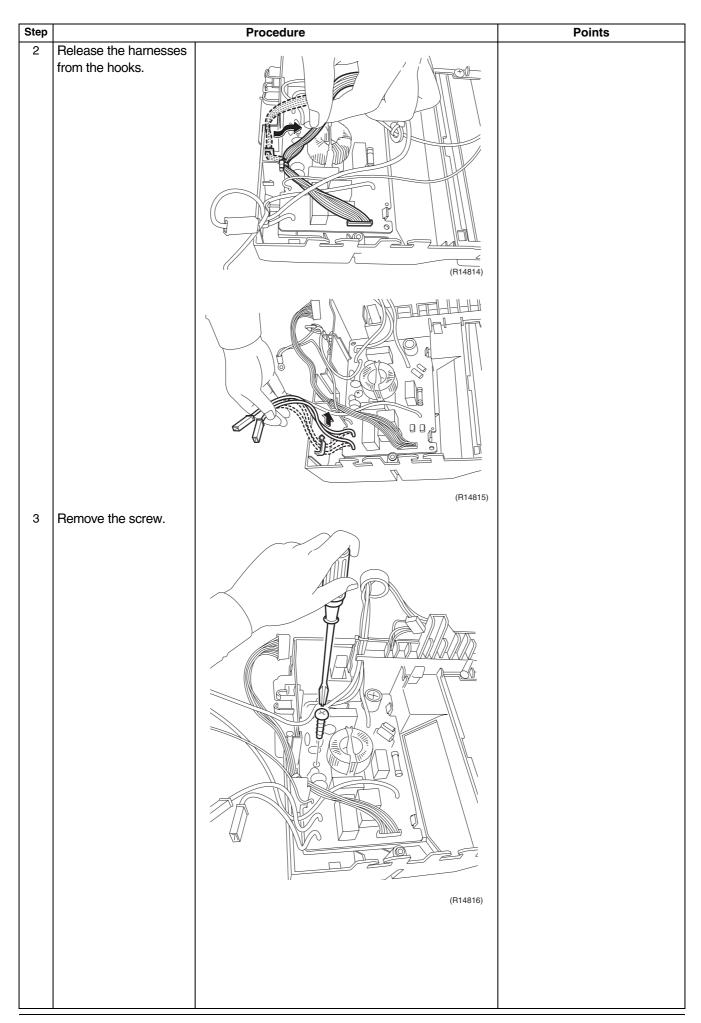


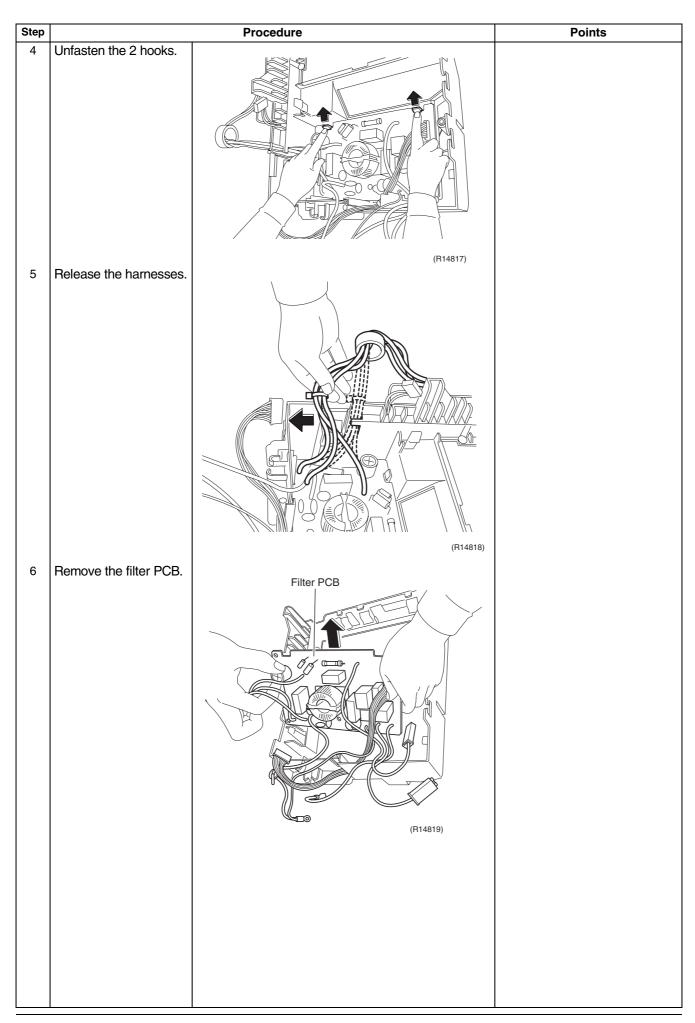










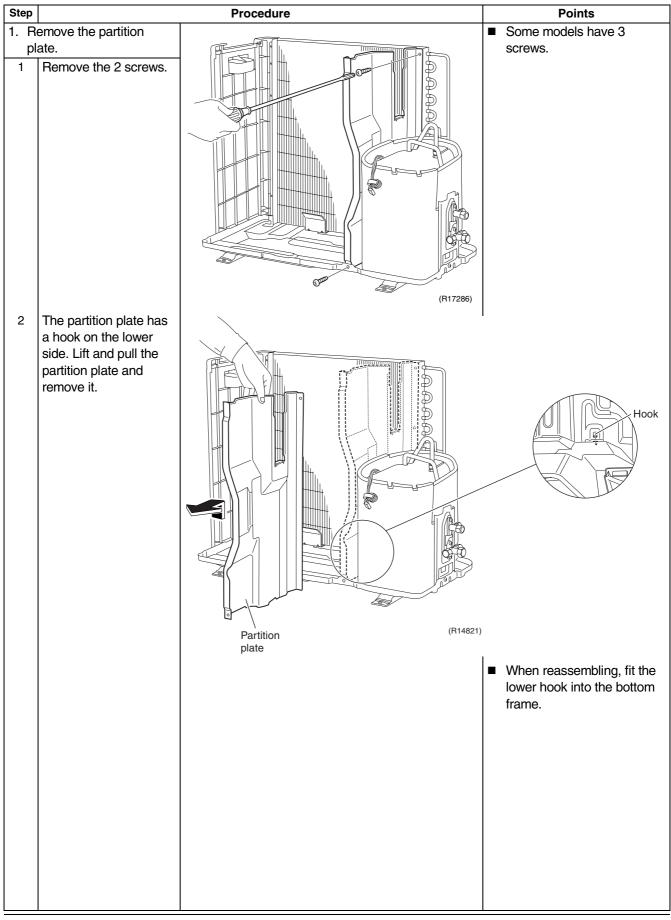


Removal of Sound Blankets

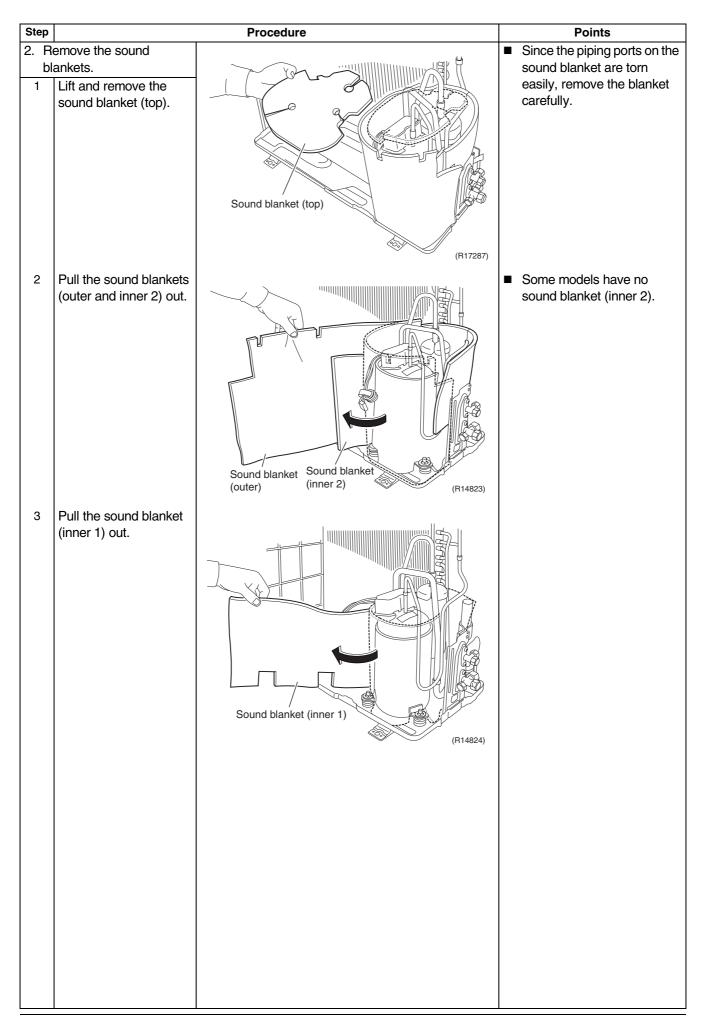
### 5. Removal of Sound Blankets

#### **Procedure**

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



Removal of Sound Blankets Si001073

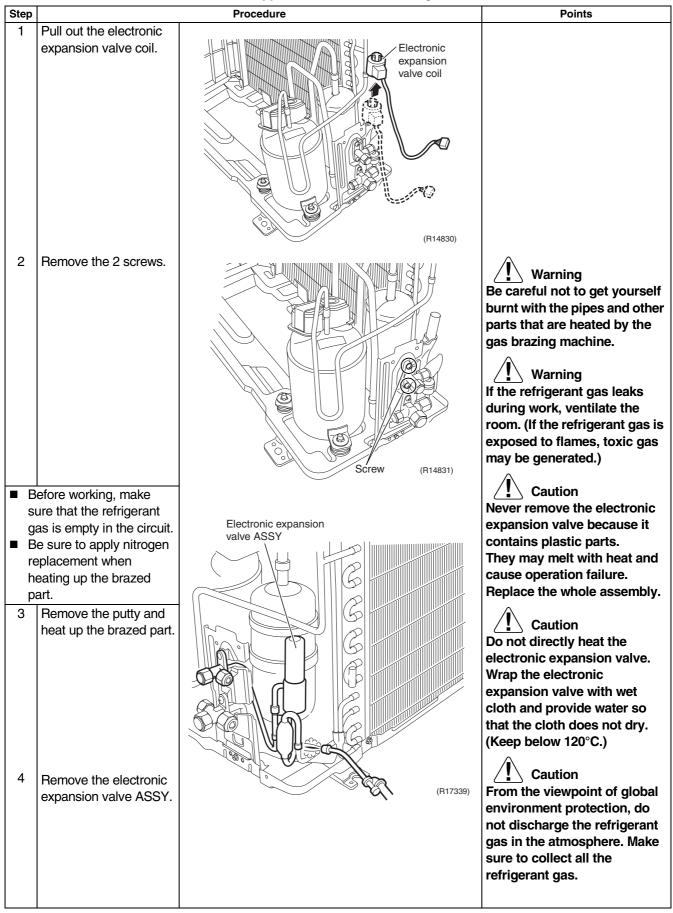


## 6. Removal of Electronic Expansion Valve ASSY

#### **Procedure**

Warning

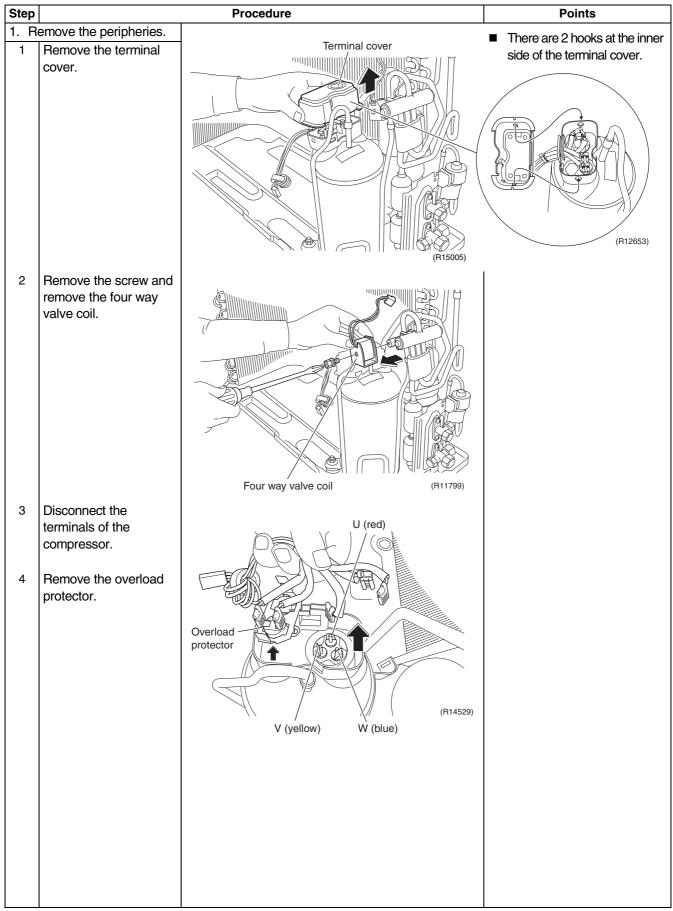
Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

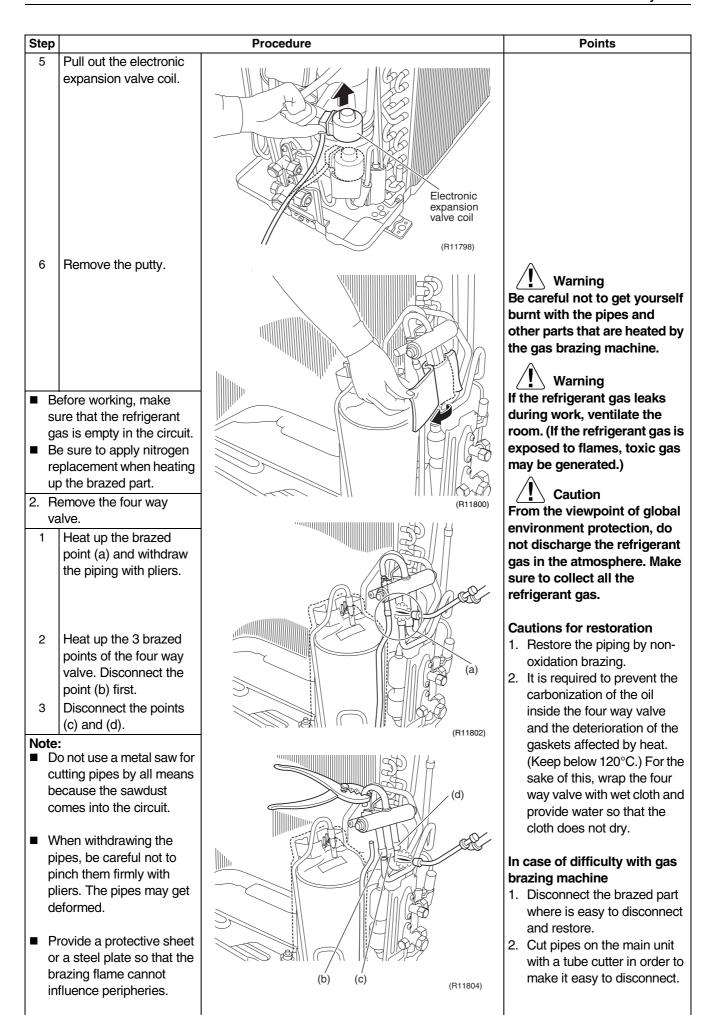


# 7. Removal of Four Way Valve

**Procedure** 

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





**Removal of Compressor** Si001073

### 8. Removal of Compressor

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

**Points** 

#### **Procedure** Step **Procedure** 1. Remove the peripheries. **\** Warning Remove the four way Be careful not to get yourself valve, the terminal burnt with the pipes and other cover and the lead wire parts that are heated by the for the compressor so gas brazing machine. as not to burn them. Warning If the refrigerant gas leaks 2 Remove the 3 nuts of during work, ventilate the the compressor. room. (If the refrigerant gas is (R12022) exposed to flames, toxic gas may be generated.) ■ Before working, make Discharge side sure that the refrigerant Warning gas is empty in the circuit. Since it may happen that the ■ Be sure to apply nitrogen refrigerant oil in the replacement when compressor catches fire, heating up the brazed prepare wet cloth so as to part. extinguish fire immediately. 2. Remove the compressor. Heat up the brazed part Caution of the discharge side From the viewpoint of global and disconnect. environment protection, do not discharge the refrigerant gas in the atmosphere. Make 2 Heat up the brazed part sure to collect all the (R7422) of the suction side and refrigerant gas. disconnect. 3 Lift the compressor up **Cautions for restoration** and remove it. 1. Restore the piping by non-Note: oxidation brazing. ■ Do not use a metal saw 2. It is required to prevent the carbonization of the oil inside for cutting pipes by all means because the the four way valve and the sawdust comes into the deterioration of the gaskets Suction side circuit. affected by heat. (Keep below 120°C.) For the sake When withdrawing the of this, wrap the four way pipes, be careful not to valve with wet cloth and pinch them firmly with provide water so that the pliers. The pipes may get cloth does not dry. (R7423) deformed.

#### 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.

■ Be careful so as not to burn the compressor terminals, the name plate, the heat exchanger fin.

■ Provide a protective sheet

brazing flame cannot

influence peripheries.

or a steel plate so that the

(R7424)

# **Revision History**

Month / Year	Version	Revised contents
01 / 2013	Si001073	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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