




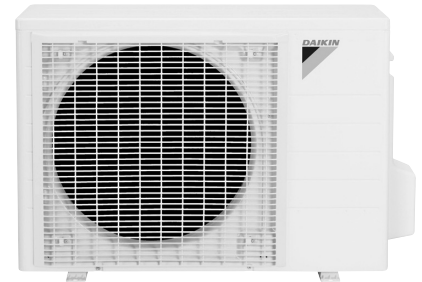
REMOVAL PROCEDURE



S E R V I C E M A N U A L

5.0 kW Class

-  Outdoor Unit
-  Non-Inverter
-  Pair Type



Service Manual Removal Procedure

Outdoor Unit

●Cooling Only

RNE50LV1

RNE50MV1

RNE50MV14

RNE50MV1V

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Note: ♦ The illustrations may be slightly different depending on the model.

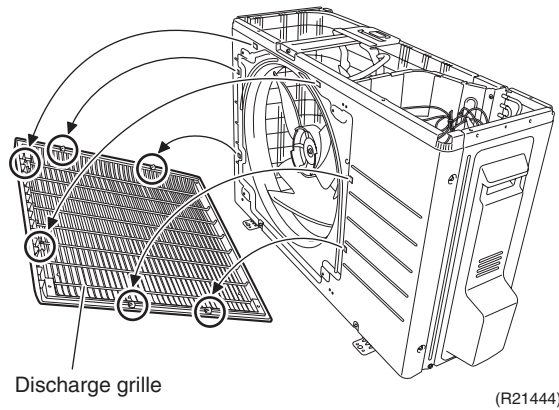
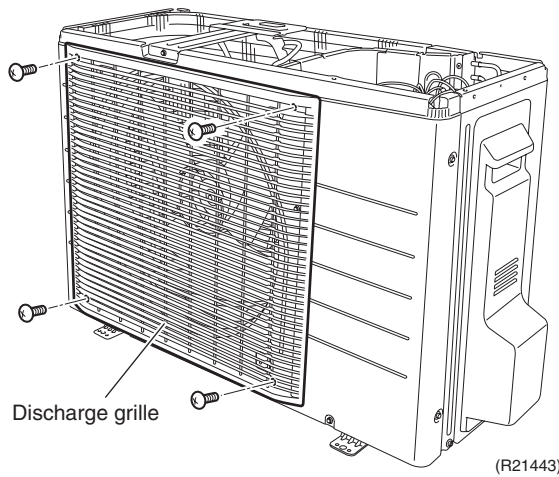
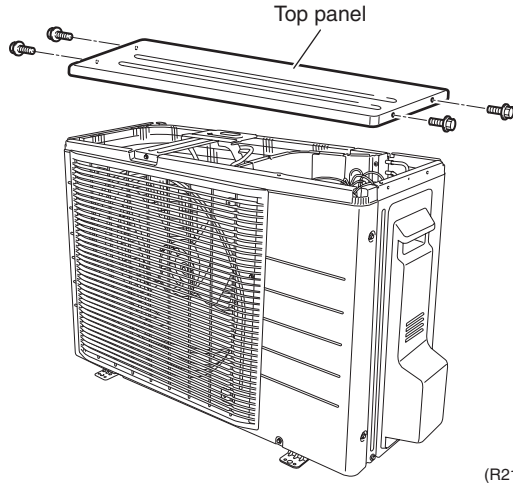
1. Outer Panels

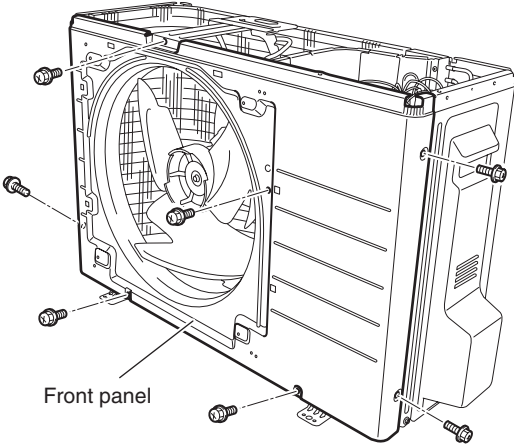
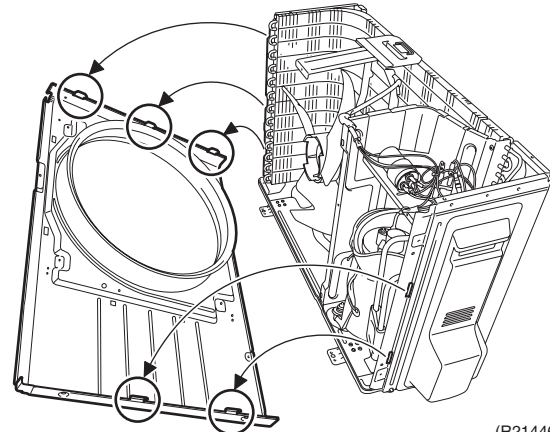


Warning

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

Step	Procedure	Points
1	Remove the 4 screws and remove the top panel.	(R21442)
2	Remove the 4 screws of the discharge grille.	(R21443)
3	Unfasten the 6 hooks and remove the discharge grille.	(R21444)



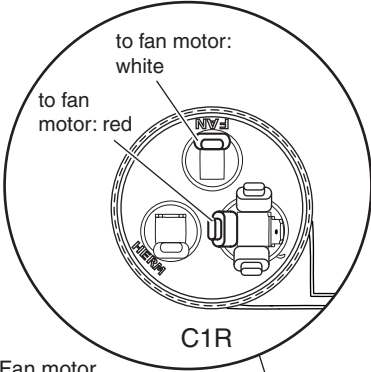
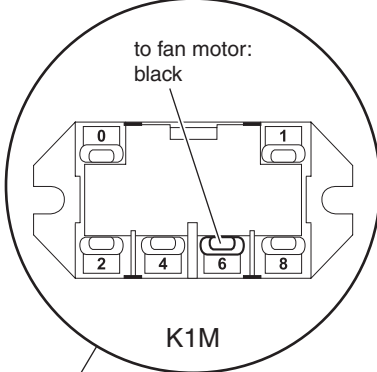
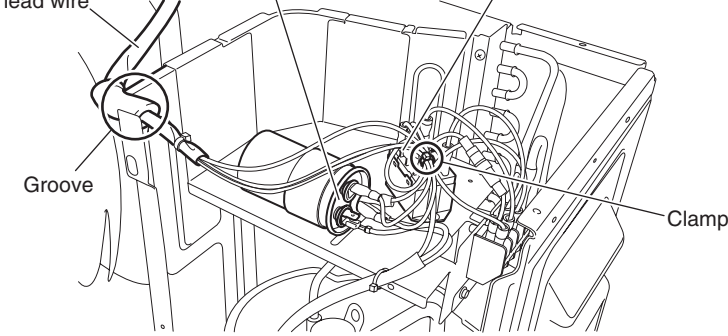
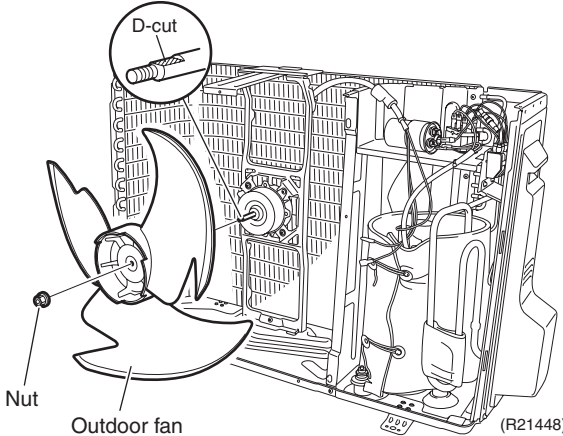
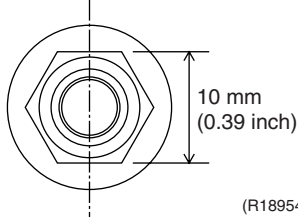
Step	Procedure	Points
4	Remove the 7 screws of the front panel.	
	 <p style="text-align: center;">(R21445)</p>	
5	Unfasten the 2 right side hooks, then the 3 left side hooks to remove the front panel.	
	 <p style="text-align: center;">(R21446)</p>	

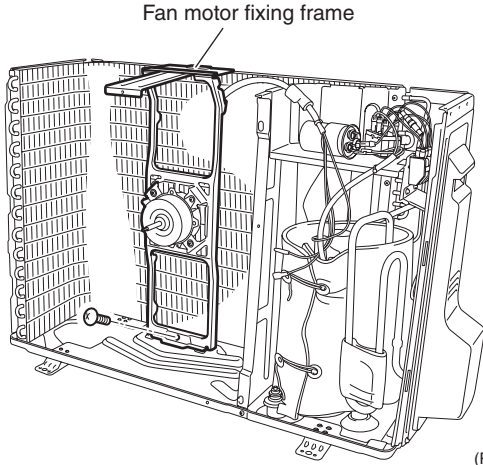
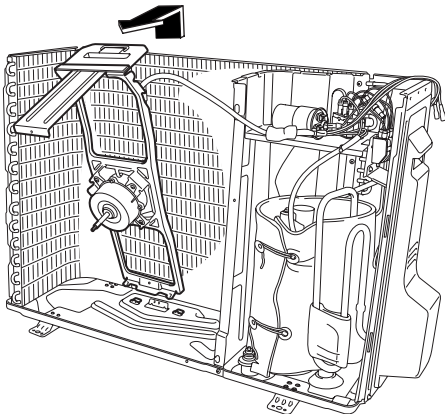
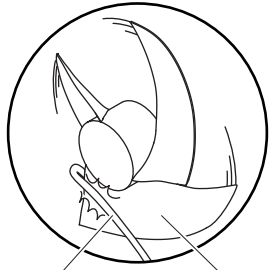
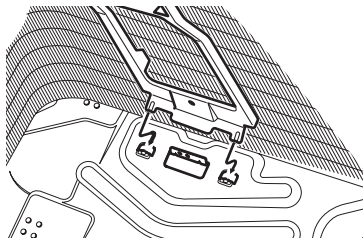
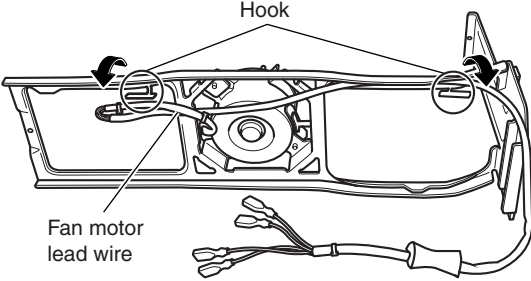
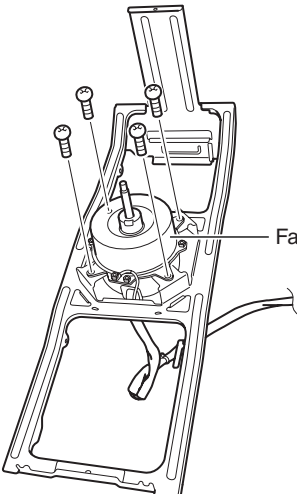
2. Outdoor Fan / Fan Motor



Warning

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

Step	Procedure	Procedure	Points
<p>1 Pull out the 2 terminals (red, white) from the capacitor (C1R).</p> <p>2 Pull out the terminal 6 (black) from the magnetic relay (K1M).</p> <p>3 Cut the clamp and release the fan motor lead wire from the groove.</p>		<p style="text-align: center;">Capacitor</p>  <p style="text-align: center;">C1R</p> <p style="text-align: center;">Magnetic relay</p>  <p style="text-align: center;">K1M</p> 	
<p>4 Remove the nut and remove the outdoor fan.</p>		 <p style="text-align: right;">(R21448)</p>	<p>■ Nut size: M6</p>  <p style="text-align: right;">(R18954)</p> <p>■ When reassembling, align the ▼ mark of the outdoor fan with the D-cut section of the motor shaft.</p>

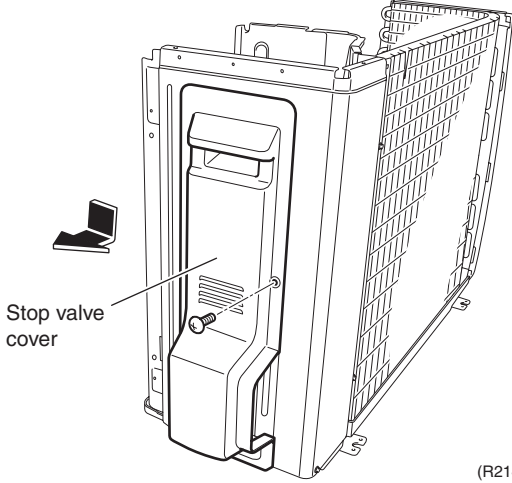
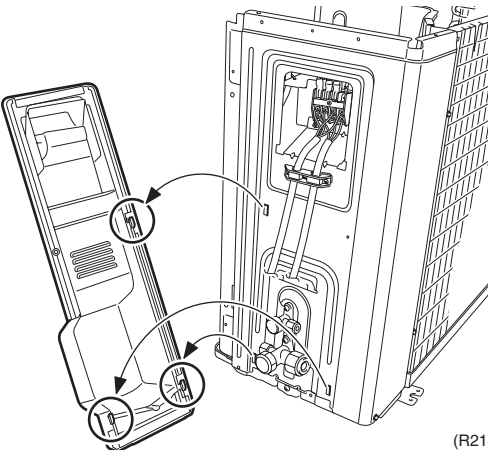
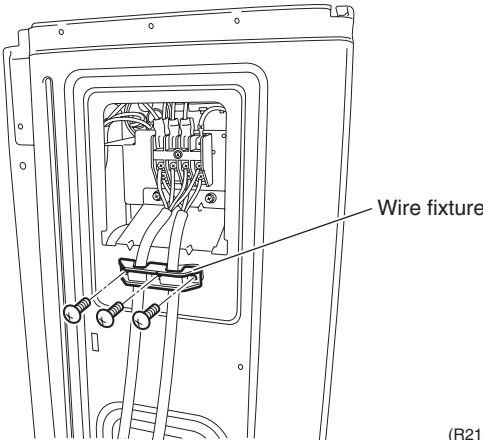
Step	Procedure	Procedure	Points
5	Remove the screw and remove the fan motor fixing frame.	 <p>Fan motor fixing frame</p> <p>(R21449)</p>  <p>(R21450)</p>	<ul style="list-style-type: none"> ■ Be careful so as not to damage the top part of the outdoor heat exchanger fins. ■ When reassembling, put the fan motor lead wire through the back of the fan motor so as not to be entangled with the outdoor fan.  <p>Lead wire Outdoor fan</p> <p>(R3249)</p> <ul style="list-style-type: none"> ■ When reassembling, fit the 2 lower hooks into the bottom frame.  <p>(R21452)</p>
6	Unfasten the 2 hooks on the fan motor fixing frame and release the fan motor lead wire.	 <p>Hook</p> <p>Fan motor lead wire</p> <p>(R21451)</p>	
7	Remove the 4 screws and remove the fan motor.	 <p>Fan motor</p> <p>(R21453)</p>	<ul style="list-style-type: none"> ■ Screw size: M4 x 12

3. Electrical Component ASSY

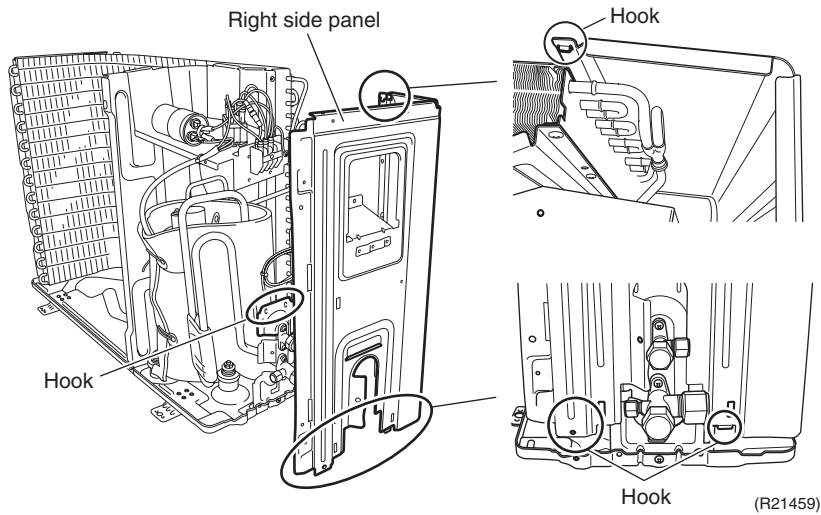
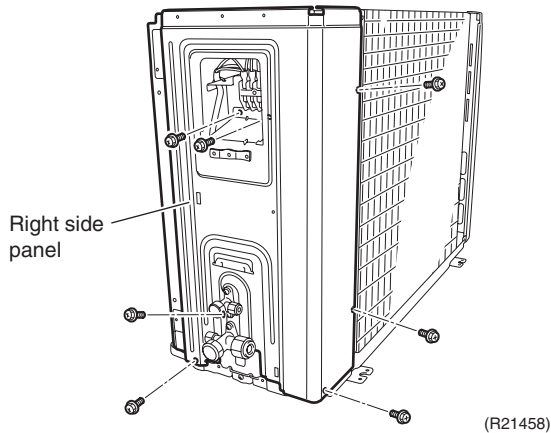
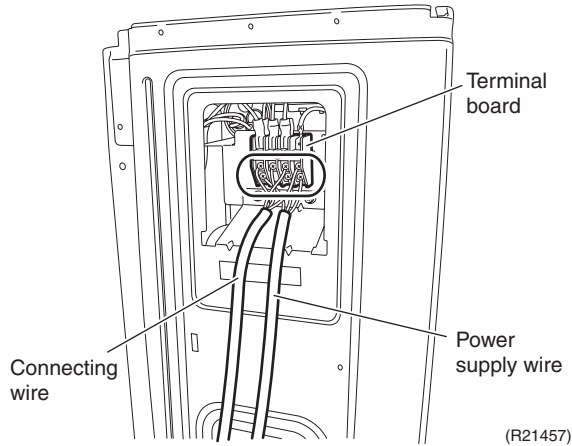


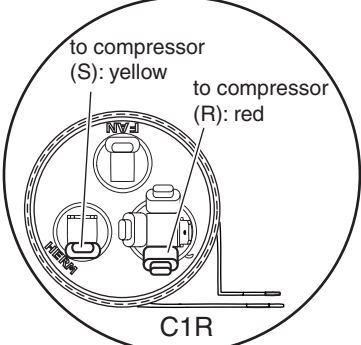
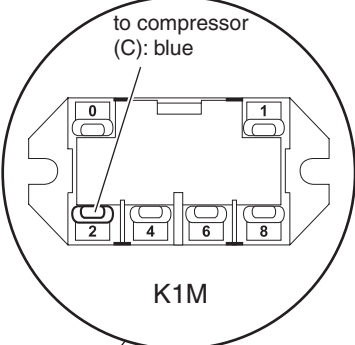
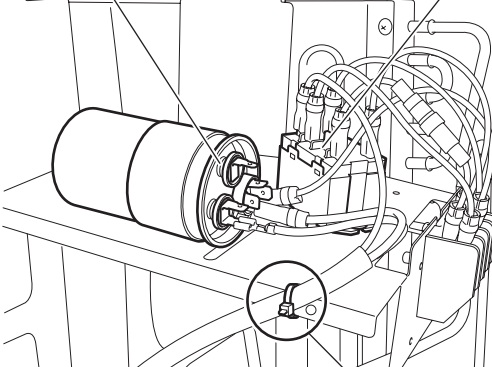
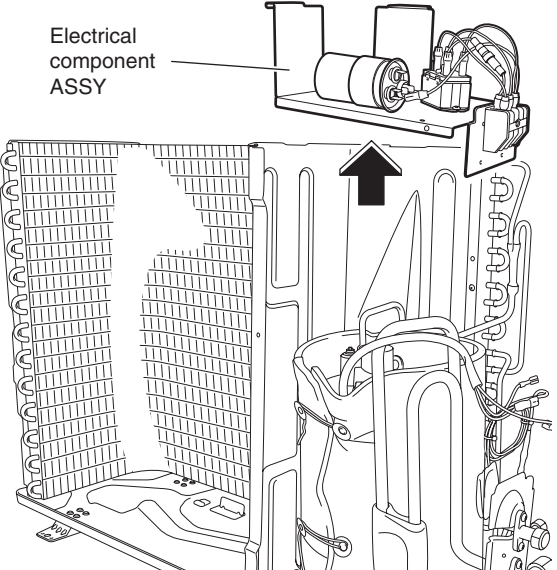
Warning

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

Step	Procedure	Points
1. Remove the right side panel.	 <p>Stop valve cover</p> <p>(R21454)</p>  <p>(R21455)</p>	<p>■ When reassembling, make sure to fit the 3 hooks.</p>
3 Remove the 3 screws and remove the wire fixture.	 <p>Wire fixture</p> <p>(R21456)</p>	

Step	Procedure	Points
4	Remove the 7 screws on the terminal board and disconnect the connecting wire and power supply wire.	
5	Remove the 7 screws of the right side panel.	
6	Unfasten the 4 hooks and remove the right side panel.	



Step	Procedure	Points
<p>2. Remove the electrical component ASSY.</p>	<p style="text-align: center;">Capacitor</p>  <p>to compressor (S): yellow to compressor (R): red</p> <p style="text-align: center;">C1R</p> <p style="text-align: center;">Magnetic relay</p>  <p>to compressor (C): blue</p> <p style="text-align: center;">K1M</p>  <p style="text-align: center;">Clamp</p>	<p>(R21460)</p>
<p>4. Lift the electrical component ASSY up and remove it.</p>	 <p style="text-align: center;">Electrical component ASSY</p> <p style="text-align: right;">(R21461)</p>	<p>(R21461)</p>

4. Sound Blanket / Partition Plate



Warning

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

Step	Procedure	Points
1	Untie the 2 strings and pull out the sound blanket.	
	<p>(R21462)</p> <p>(R21463)</p>	
2	Remove the 3 screws and remove the partition plate.	<p>■ When reassembling, fit the partition plate to the hook at the bottom frame.</p>
	<p>(R21464)</p> <p>(R21465)</p>	

5. Capillary Tube



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.)



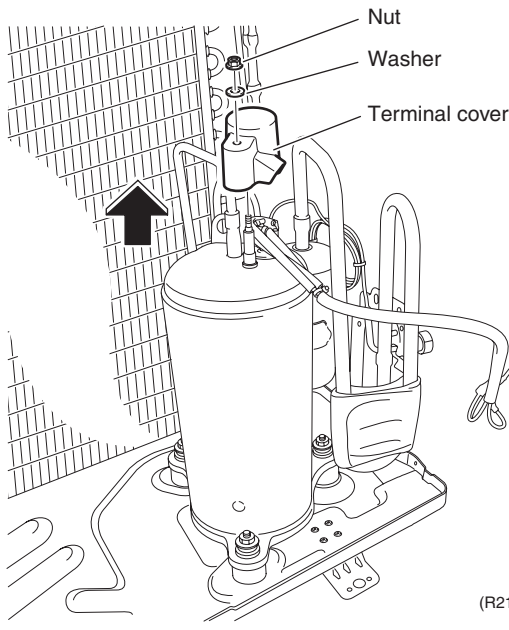
Caution

- ◆ 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.

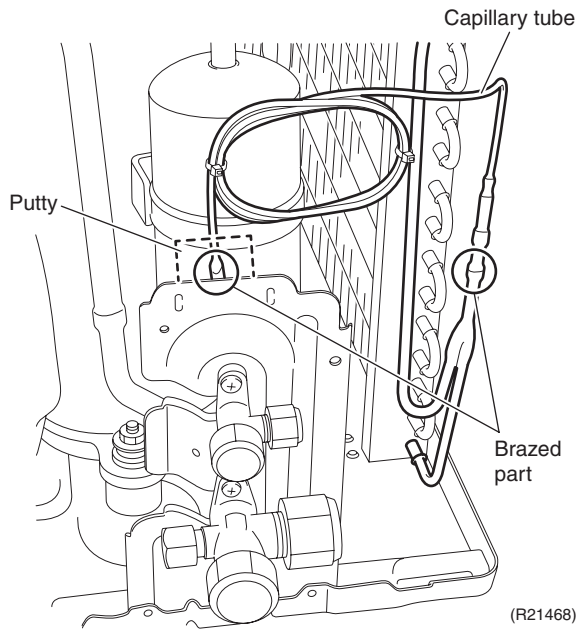
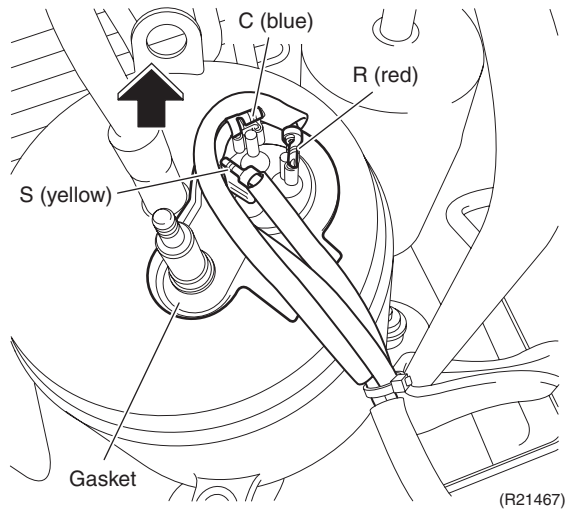


Note

- ◆ 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.

Step	Procedure	Points
<p>1</p>	<p>Remove the nut and remove the terminal cover.</p>  <p style="text-align: right;">(R21466)</p>	

Step	Procedure	Points
2	Disconnect the compressor lead wires.	
3	Remove the gasket.	
4	Remove the putty.	
5	Heat up the 2 brazed parts and remove the capillary tube.	



6. 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.



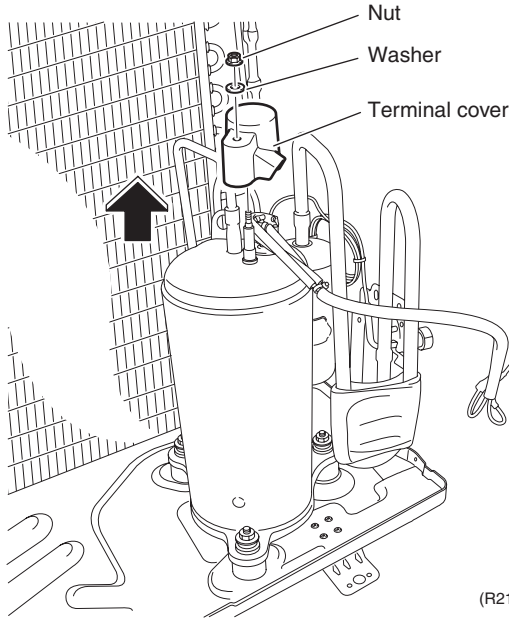
Caution

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- ◆ Restore the piping by non-oxidation brazing.

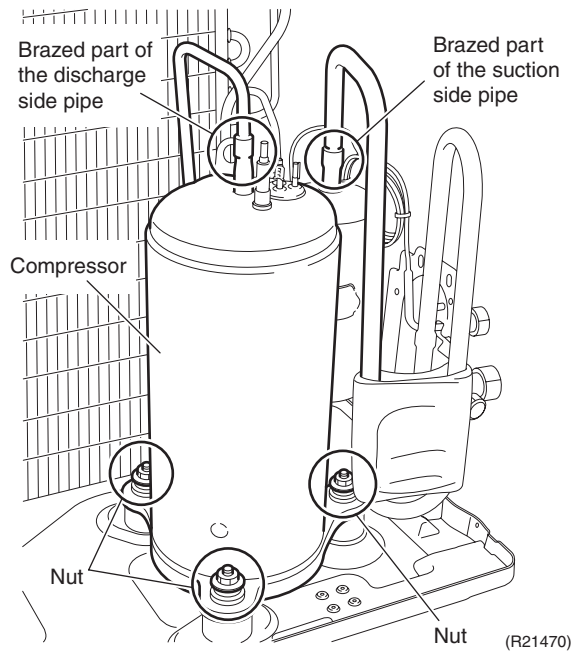
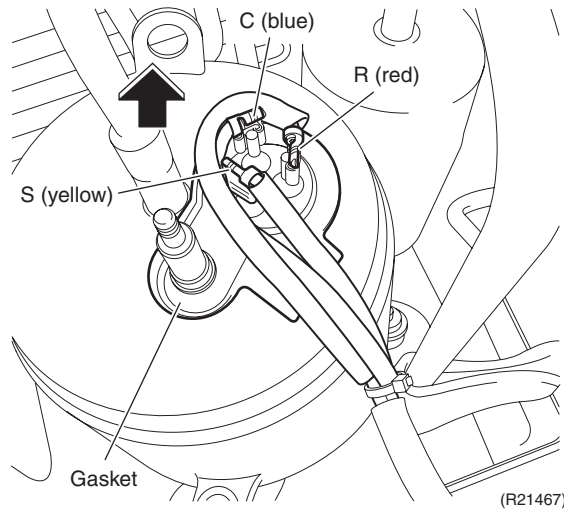


Note

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- ◆ 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
1	Remove the nut and remove the terminal cover.	 <p style="text-align: right;">(R21466)</p>

Step	Procedure	Points
2	Disconnect the compressor lead wires.	
3	Remove the gasket.	
4	Heat up the brazed part of the discharge side pipe and disconnect it.	
5	Heat up the brazed part of the suction side pipe and disconnect it.	
6	Remove the 3 nuts.	
7	Lift up the compressor and remove it.	



Revision History

Month / Year	Version	Revised contents
03 / 2015	Si011415E	First edition

Warning



- 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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