






Si01-982

REMOVAL PROCEDURE



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

9000 Btu/h Class

-  Outdoor Unit
-  Non-Inverter
-  Pair Type



Service Manual Removal Procedure

Outdoor Unit

●Cooling Only
RE09JV2S

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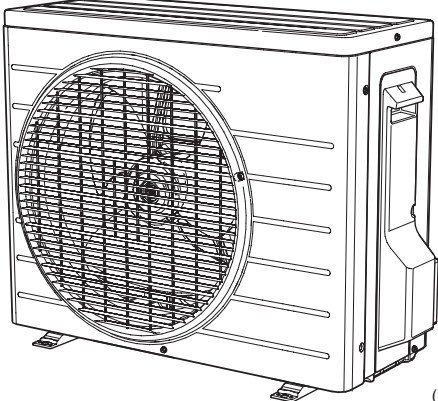
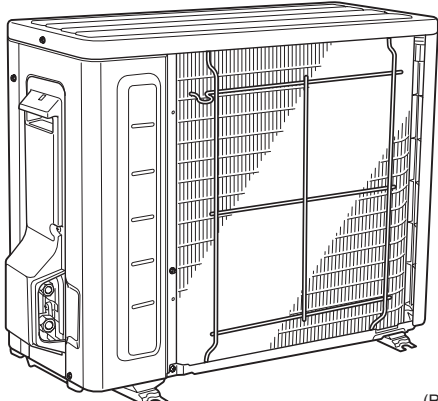
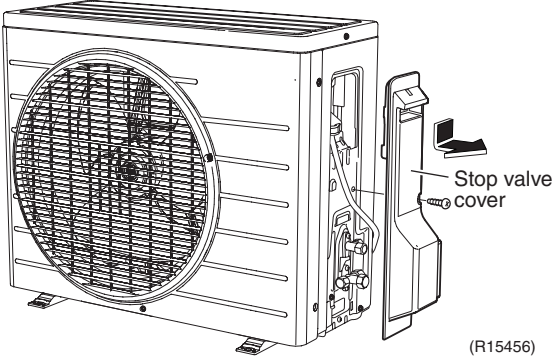
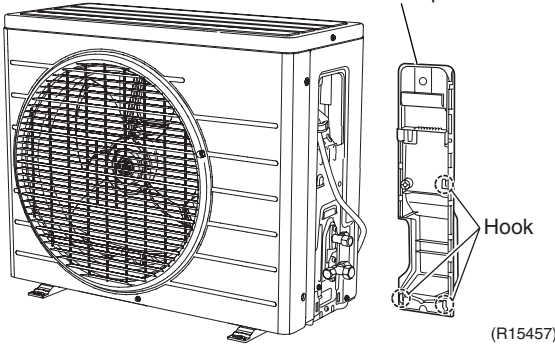
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1. Removal of Outer Panels

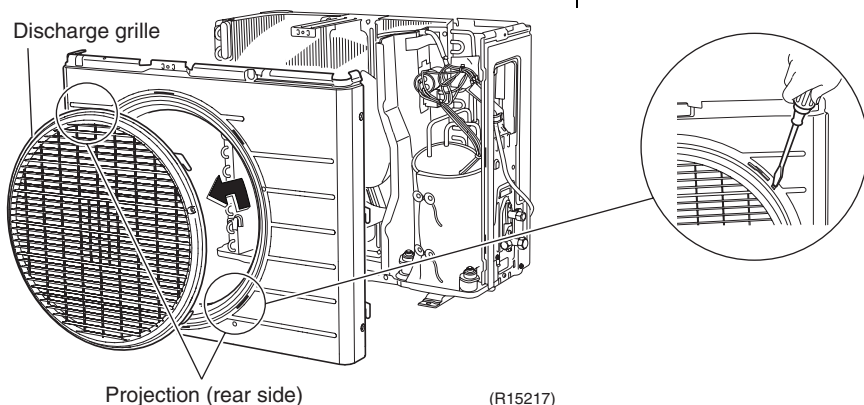
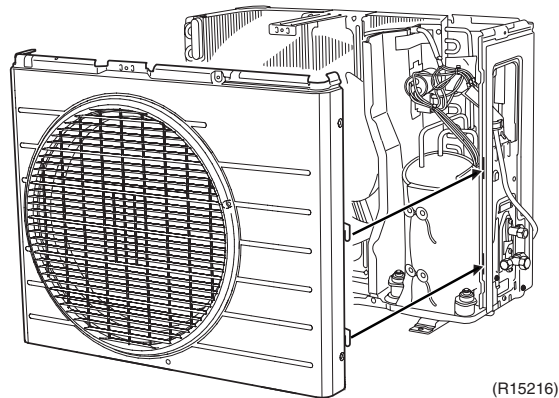
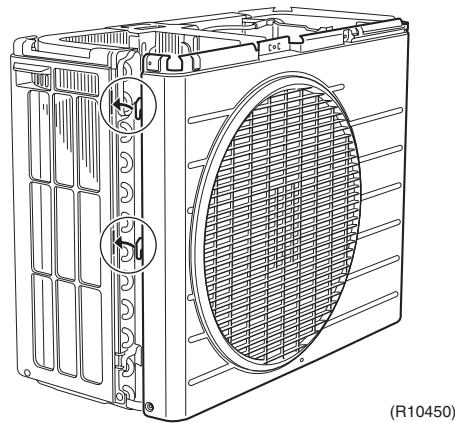
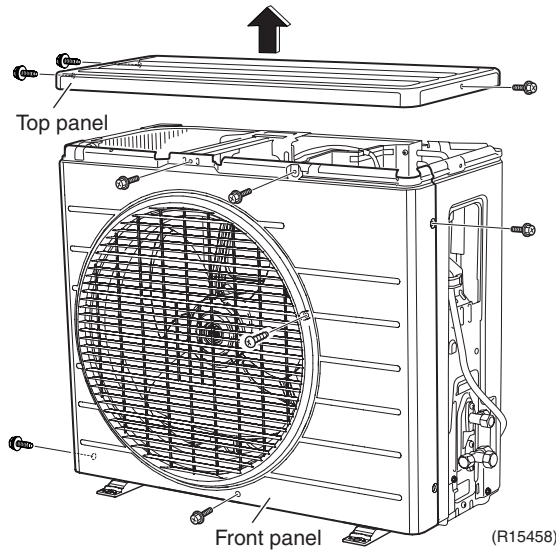
Procedure



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

Step	Appearance features	Procedure	Points
1	Appearance features	 <p>(R10742)</p>  <p>(R10743)</p>	<ul style="list-style-type: none"> ■ Take care not to cut your finger by the fins of the outdoor heat exchanger.
2	Remove the screw of the stop valve cover. Pull down and remove the stop valve cover.	 <p>(R15456)</p> <p>Stop valve cover</p>  <p>(R15457)</p> <p>Shield plate</p> <p>Hook</p>	<ul style="list-style-type: none"> ■ The stop valve cover is united with the shield plate. ■ When reassembling, make sure to fit the 3 hooks.

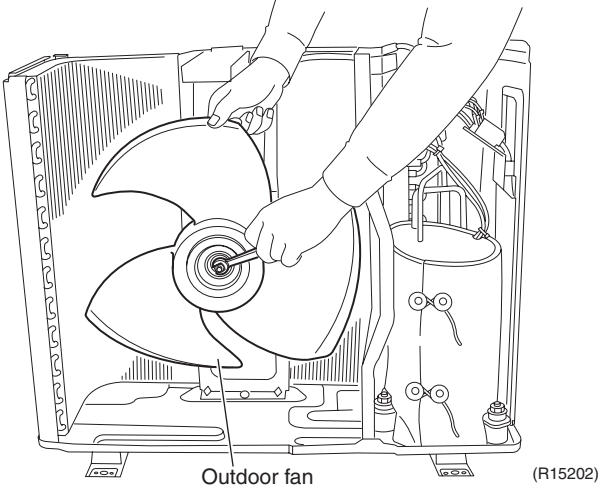
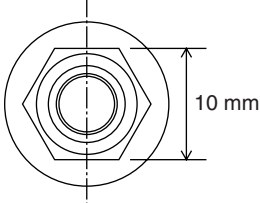
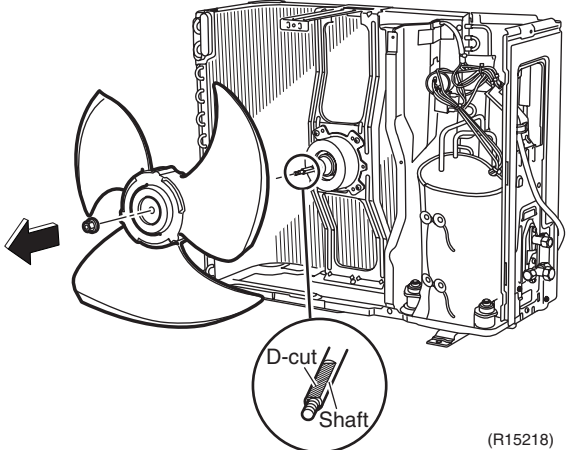
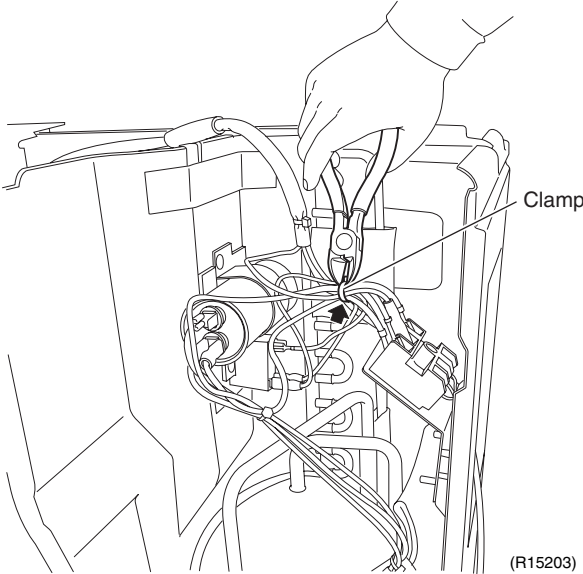
Step	Procedure	Points
3	Remove the 3 screws (left: 2 screws, right: 1 screw) and lift the top panel from the rear side at first.	
4	Remove the 6 screws of the front panel.	
5	Lift up the left side and unfasten the hooks.	
6	Release the right side hooks and remove the front panel.	
7	The discharge grille has 2 projections to prevent its rotation. Press the projection from the rear side and rotate the discharge grille to remove it.	

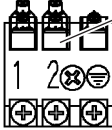
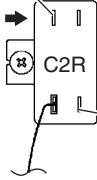
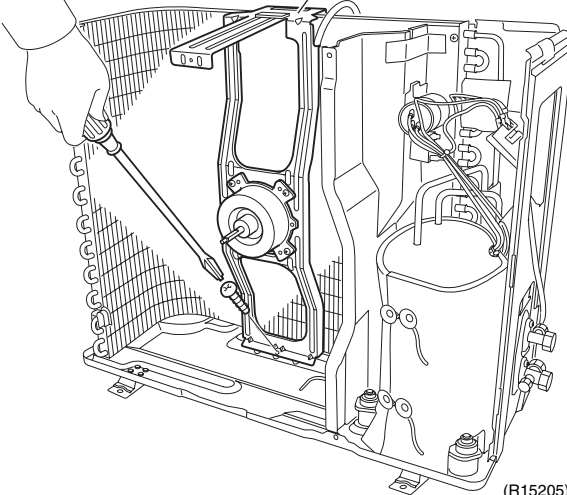


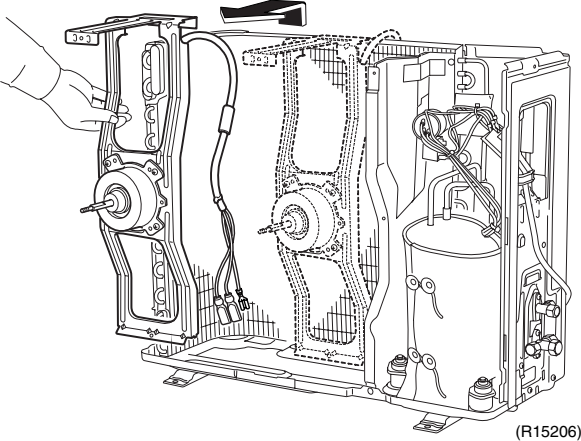
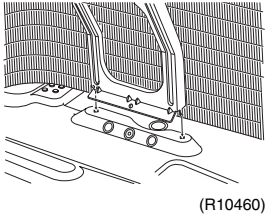
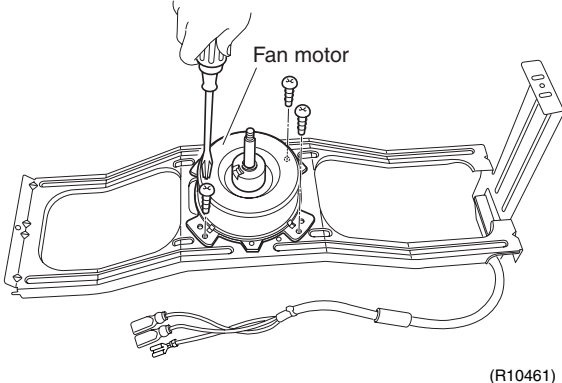
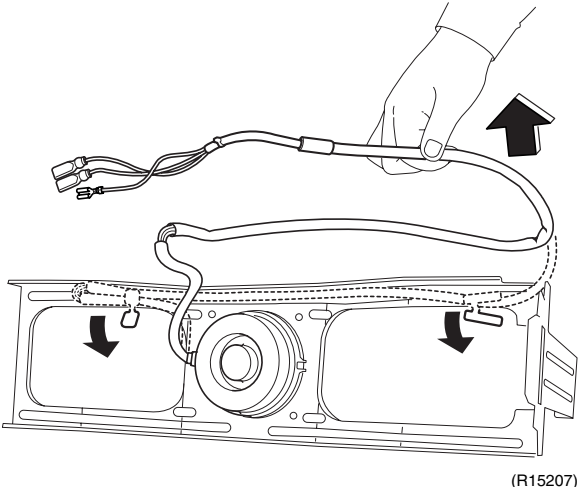
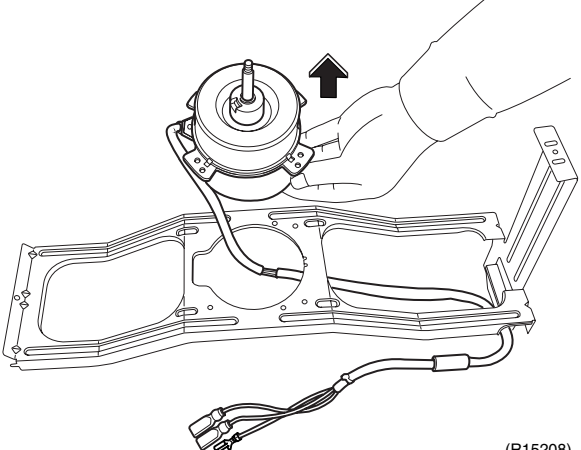
2. Removal of Outdoor Fan / Fan Motor

Procedure

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

Step	Procedure	Points
1	<p>Remove the nut of the outdoor fan.</p> 	<ul style="list-style-type: none"> ■ Nut size: M6  <p>(R17447)</p> <ul style="list-style-type: none"> ■ Align the ▼ mark of the outdoor fan with the D-cut section of the motor shaft when reassembling.
2	<p>Remove the outdoor fan.</p> 	
3	<p>Cut the clamp.</p> 	

Step	Procedure	Points
4	Pull out the terminal (black) from the terminal board X1M (2).	<ul style="list-style-type: none"> Terminal board (X1M)
5	Pull out the 2 terminals (red, white) from the fan capacitor (C2R).	 <p>(R17184)</p> <ul style="list-style-type: none"> Fan capacitor (C2R) <p>to fan motor: white</p>  <p>(R17455)</p> <p>to terminal board X1M (1_upper): red</p>
6	Release the fan motor lead wire from the groove.	<ul style="list-style-type: none"> Put the fan motor lead wire through the back of the fan motor when reassembling so as not to be entangled with the outdoor fan.
7	Remove the screw to detach the fan motor fixing frame.	 <p>(R15205)</p> <p>Lead wire</p> <p>Outdoor fan</p> <p>(R3249)</p>

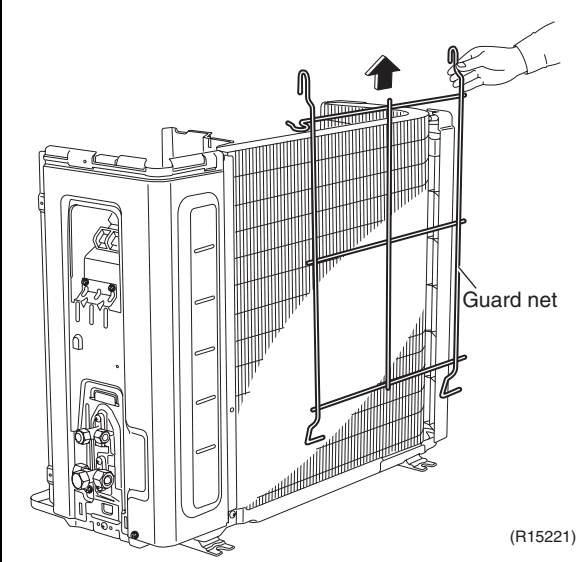
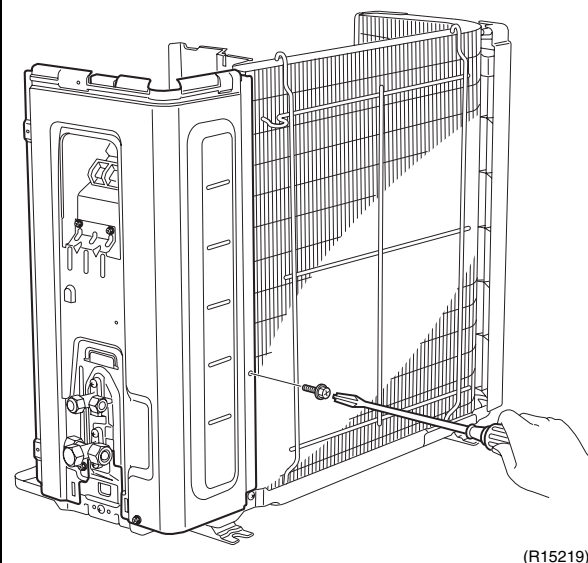
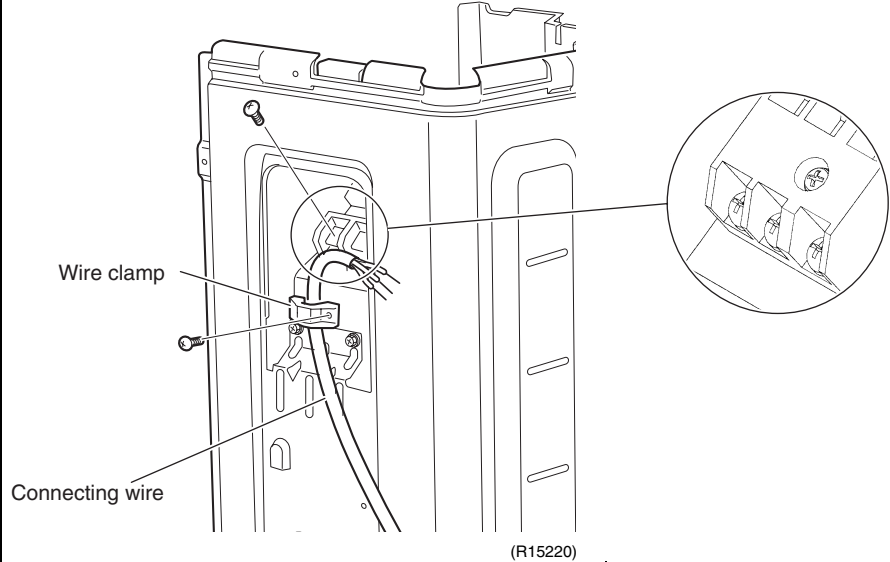
Step	Procedure	Points
8	Remove the fan motor fixing frame.	<ul style="list-style-type: none"> When reassembling, fit the lower hooks into the bottom frame.
	 <p>(R15206)</p>	 <p>(R10460)</p>
9	Remove the 3 screws and remove the fan motor.	<ul style="list-style-type: none"> M4 x 16
	 <p>(R10461)</p>	
10	Release the harness from the hooks.	
	 <p>(R15207)</p>	
11	Remove the fan motor.	
	 <p>(R15208)</p>	

3. Removal of Electrical Components

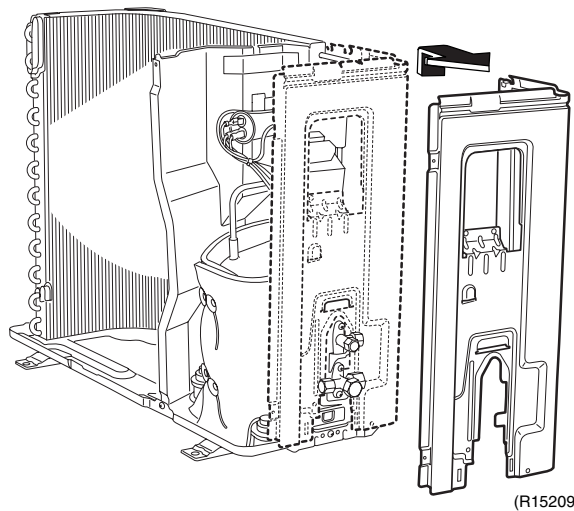
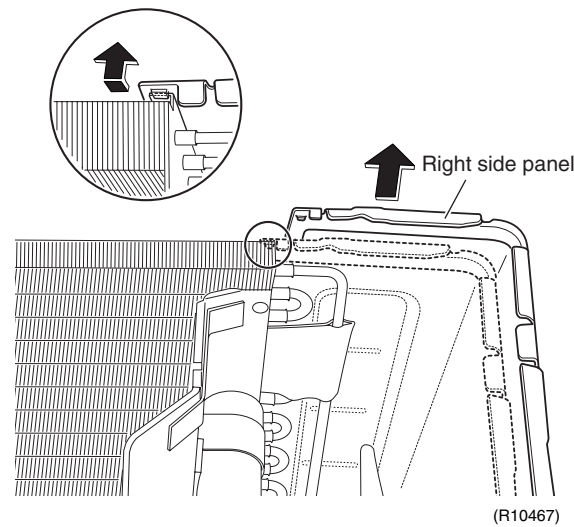
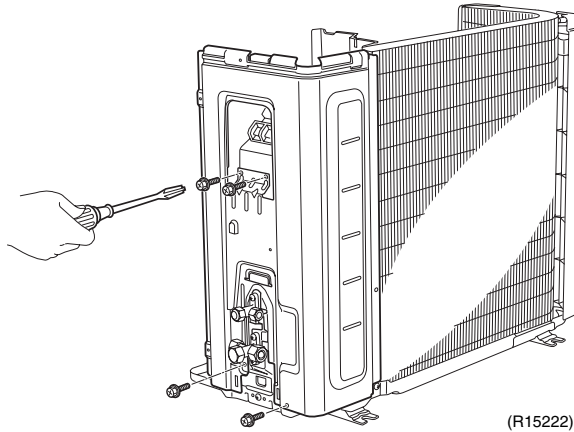
Procedure

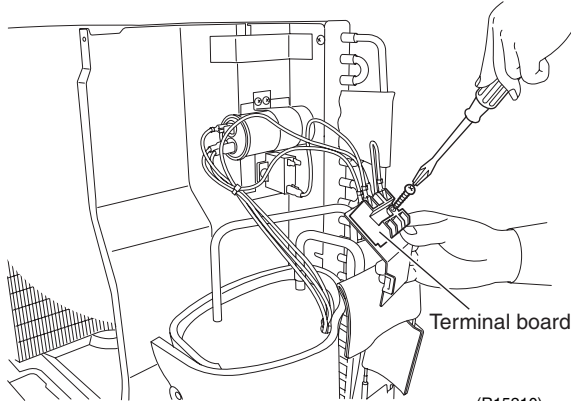
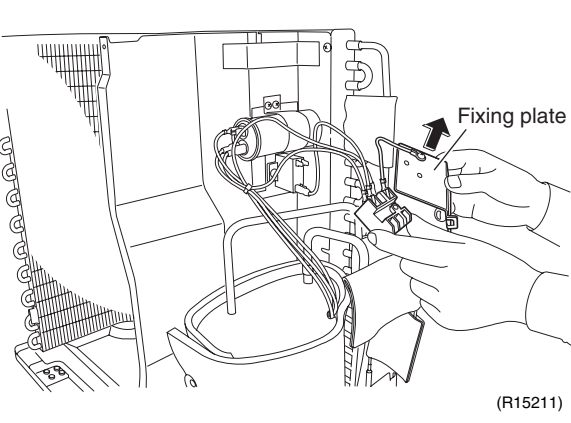
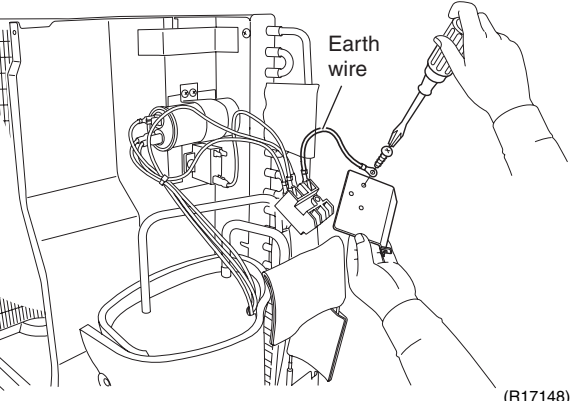
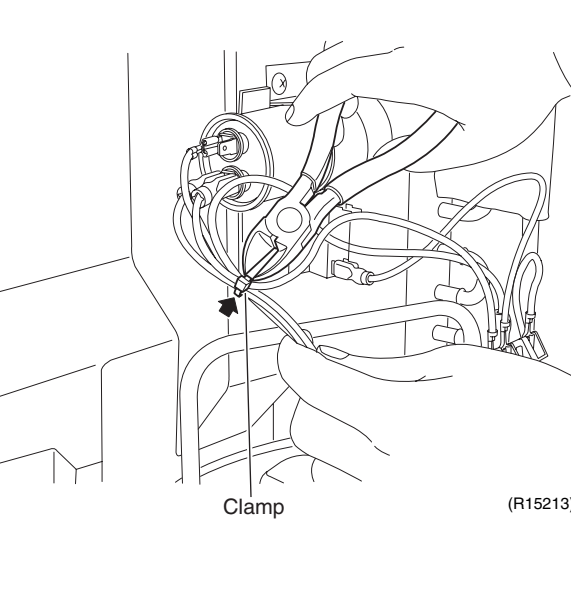
Warning Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

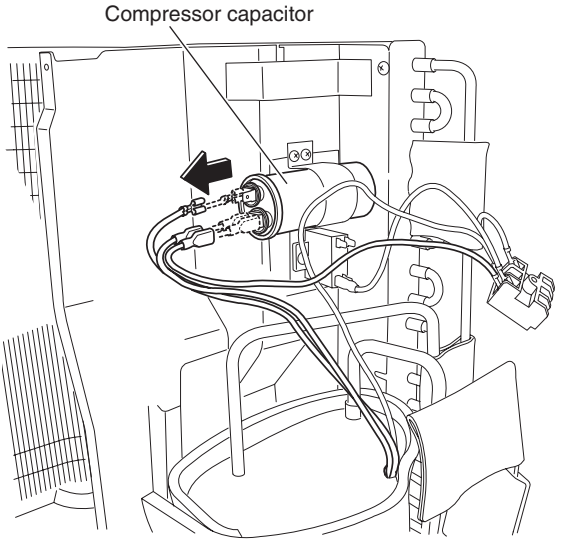
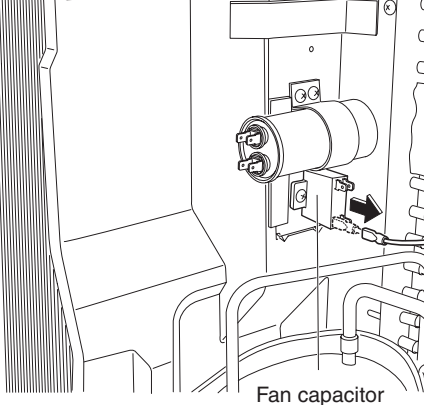
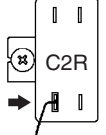
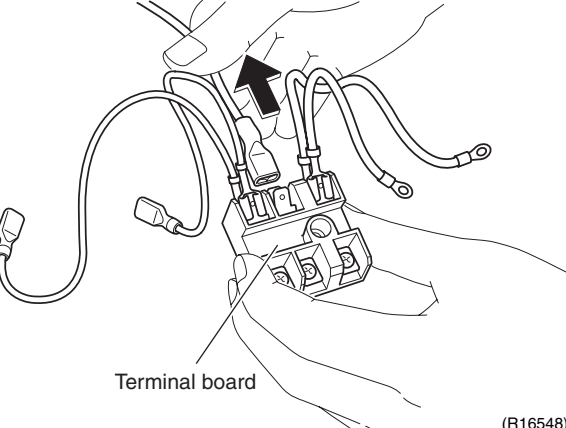
Step	Procedure	Points
1	Remove the 3 screws and disconnect the connecting wire.	
2	Remove the screw and remove the wire clamp.	
3	Remove the screw on the rear side.	
4	Lift up the guard net and remove it.	



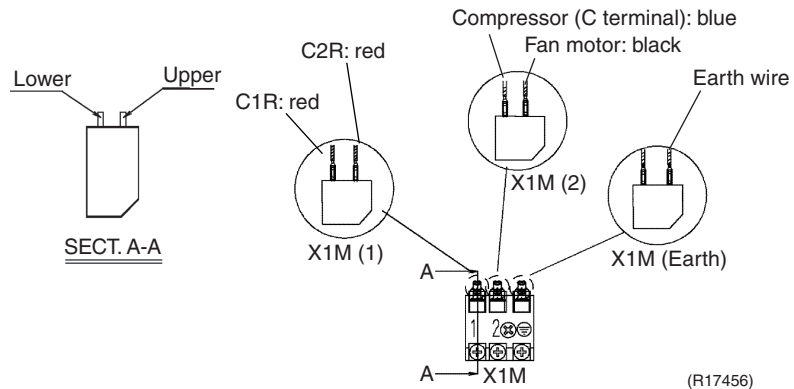
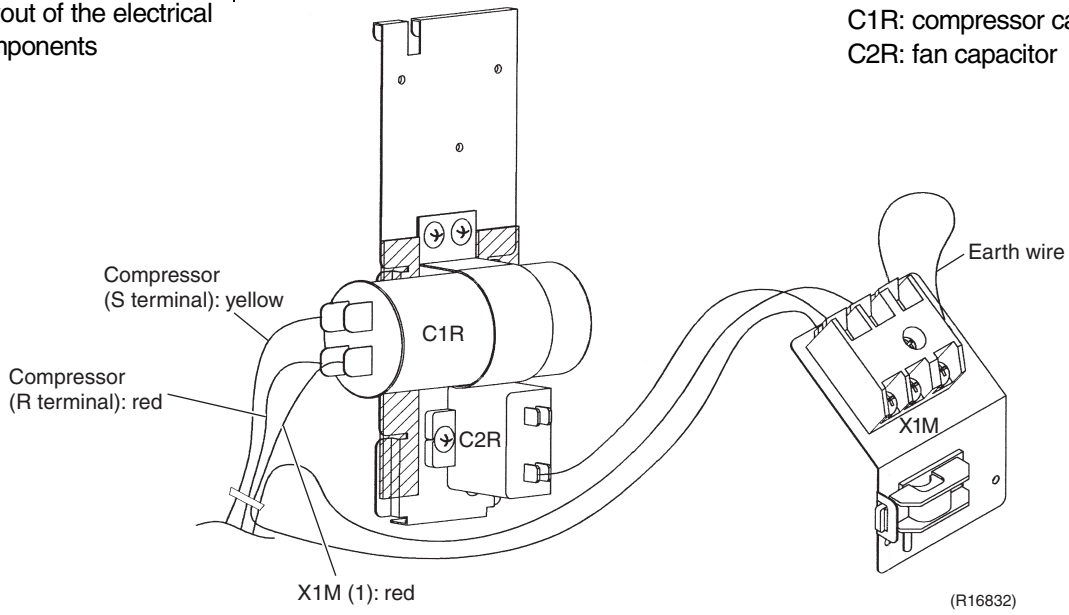
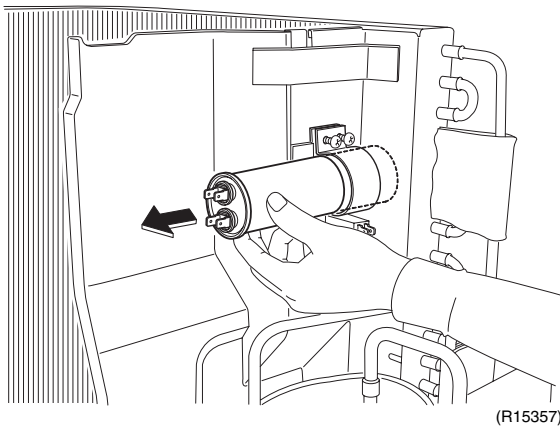
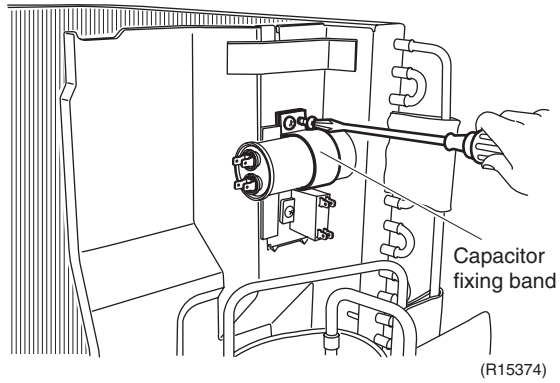
Step	Procedure	Points
5	Remove the 4 screws on the right side.	
6	Unfasten the hook of the right side panel.	<ul style="list-style-type: none"> ■ When reassembling, make sure to fit the hook.
7	Remove the right side panel.	



Step	Procedure	Procedure	Points
8	Remove the screw of the terminal board.	 <p>Terminal board</p> <p>(R15210)</p>	
9	Detach the fixing plate.	 <p>Fixing plate</p> <p>(R15211)</p>	
10	Remove the screw of the earth wire.	 <p>Earth wire</p> <p>(R17148)</p>	
11	Cut the clamp.	 <p>Clamp</p> <p>(R15213)</p>	

Step	Procedure	Procedure	Points
12	Pull out the 3 terminals from the compressor capacitor (C1R).	 <p>Compressor capacitor</p> <p>(R15225)</p>	
13	Pull out the terminal (red) from the fan capacitor (C2R).	 <p>Fan capacitor</p> <p>(R15214)</p>	<p>■ Fan capacitor (C2R)</p>  <p>to terminal board X1M(1): red</p> <p>(R16375)</p>
14	Pull out the harnesses from the terminal board.	 <p>Terminal board</p> <p>(R16548)</p>	

Step	Procedure	Points
15	Remove the 2 screws to loosen the capacitor fixing band.	
16	Remove the compressor capacitor.	
17	Layout of the electrical components	C1R: compressor capacitor C2R: fan capacitor

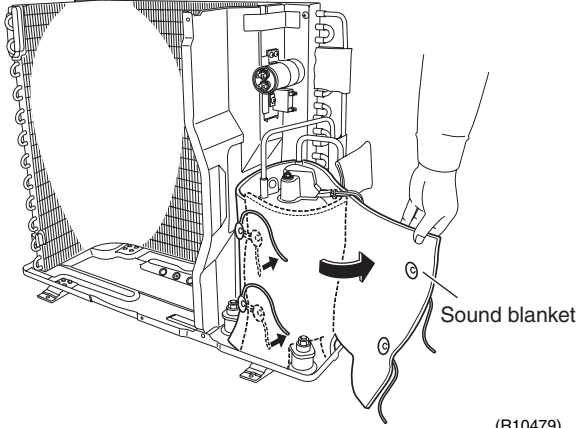
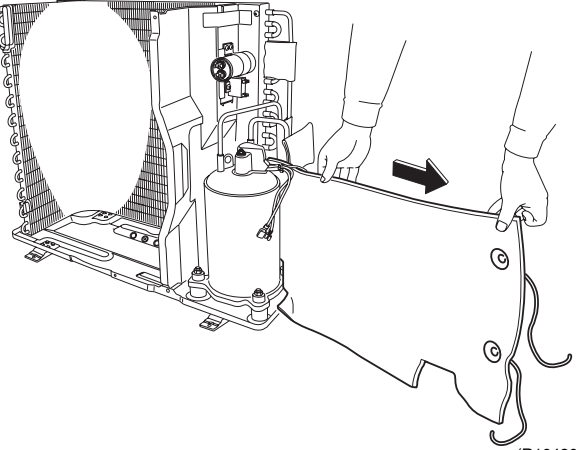
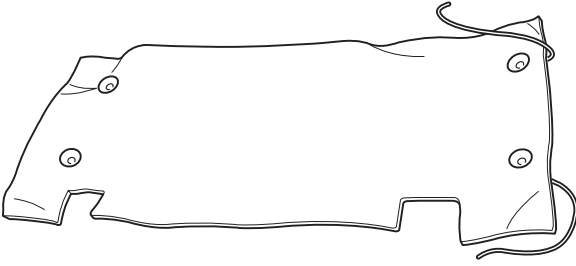


4. Removal of Sound Blankets

Procedure



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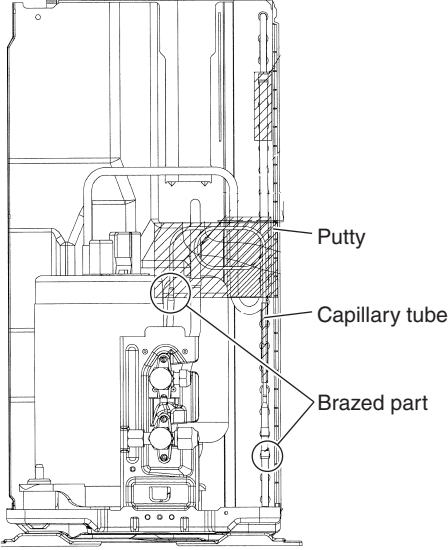



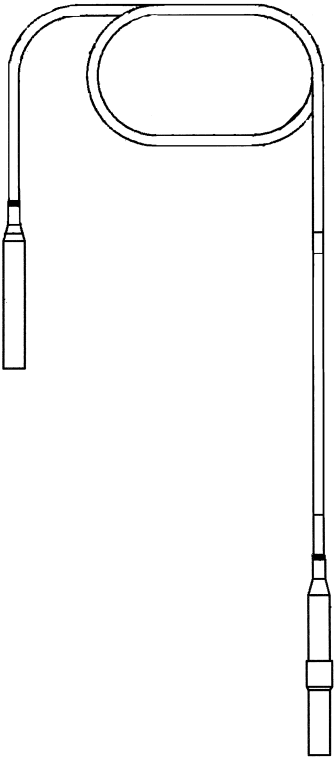
Step	Procedure	Points
1	<p>Untie the 2 strings and open the sound blanket (body).</p>  <p style="text-align: right;">(R10479)</p>	<p>Preparation</p> <ul style="list-style-type: none"> ■ Remove the outer panels according to the “Removal of Outer Panels”. ■ Remove the terminal board and fixing plate according to the “Removal of Electrical Components”.
2	<p>Remove the sound blanket (body).</p>  <p style="text-align: right;">(R10480)</p>  <p style="text-align: right;">(R10481)</p>	<ul style="list-style-type: none"> ■ Since the piping ports on the sound blanket are torn easily, remove the sound blanket carefully.

5. Removal of Capillary Tube

Procedure



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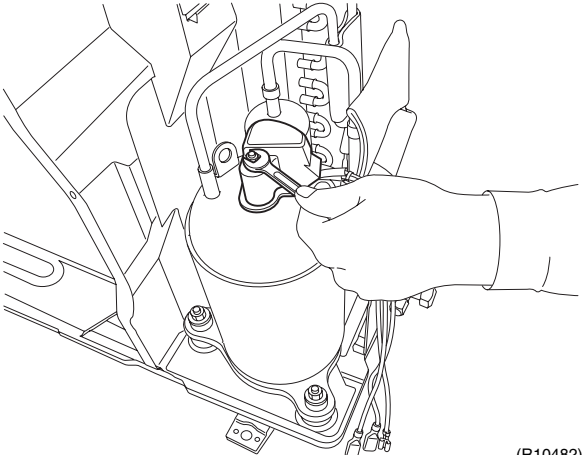
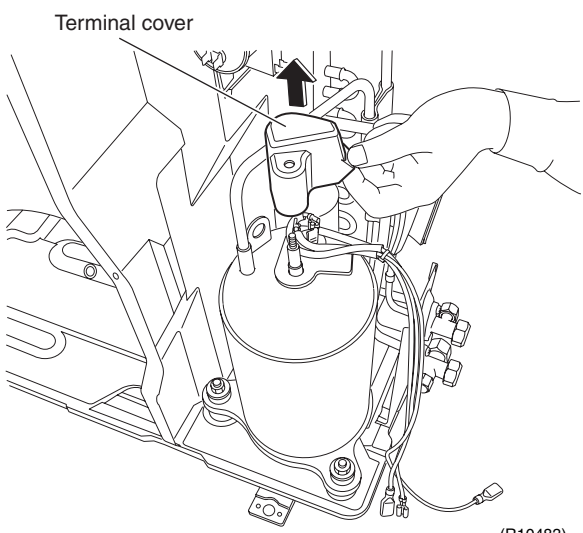
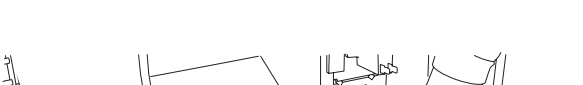
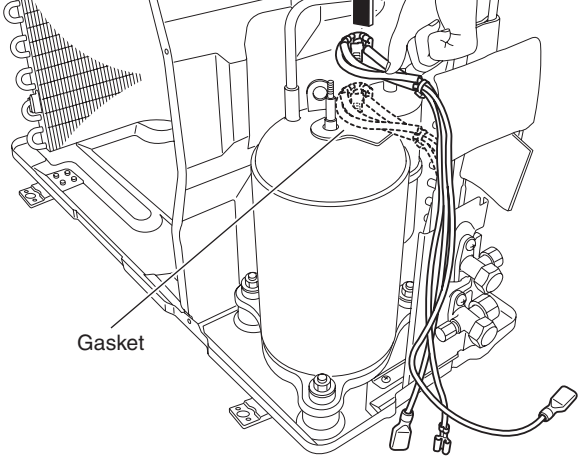
Step	Procedure	Points
<ul style="list-style-type: none"> ■ Before working, make sure that the refrigerant gas is empty in the circuit. ■ Be sure to apply nitrogen replacement when heating up the brazed part. 	 <p style="text-align: right;">(R18594)</p>	<p> Warning Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.</p> <p> Warning If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.)</p> <p> 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.</p> <p>Cautions for restoration</p> <ol style="list-style-type: none"> 1. Restore the piping by non-oxidation brazing. 2. Avoid excessive heating. (Keep below 120°C)
<p>Note:</p> <ul style="list-style-type: none"> ■ 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. 	 <p style="text-align: right;">(R18595)</p>	<p>In case of difficulty with gas brazing machine</p> <ol style="list-style-type: none"> 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.

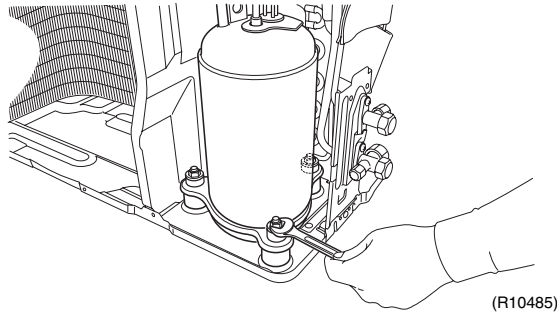
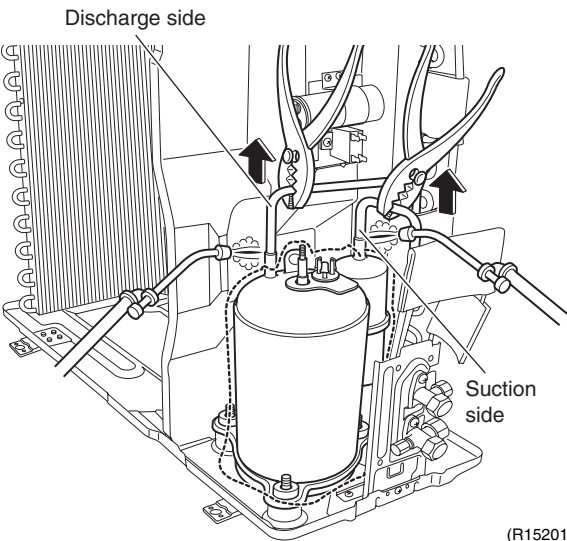
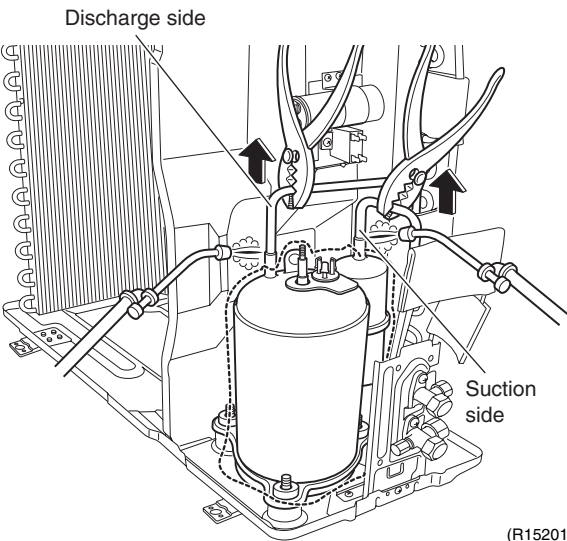
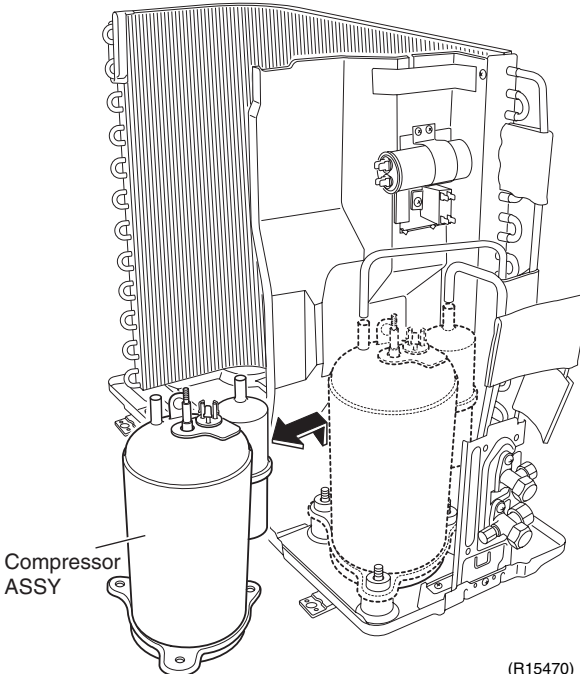
6. Removal of Compressor ASSY

Procedure



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Step	Procedure	Procedure	Points
1	Remove the nut.	 <p style="text-align: right;">(R10482)</p>	
2	Remove the terminal cover.	 <p>Terminal cover</p> <p style="text-align: right;">(R10483)</p>	
3	Disconnect the compressor lead wires.	 <p style="text-align: right;">(R17179)</p>	
4	Remove the gasket.	 <p>Gasket</p> <p style="text-align: right;">(R15375)</p>	<p>S (W): yellow C (U): blue R (V): red</p>

Step	Procedure	Points
5	Unscrew the 3 nuts of the compressor. 	<p>Warning Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.</p>
<ul style="list-style-type: none"> ■ 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. 		<p>Warning If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.)</p>
6	Heat up the brazed part of the discharge side and disconnect. 	<p>Warning Since it may happen that the refrigerant oil in the compressor catches fire, prepare wet cloth so as to extinguish fire immediately.</p>
7	Heat up the brazed part of the suction side and disconnect. 	<p>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.</p> <p>Cautions for restoration</p> <ol style="list-style-type: none"> 1. Restore the piping by non-oxidation brazing. 2. Avoid excessive heating. (Keep below 120°C)
<p>Note:</p> <ul style="list-style-type: none"> ■ 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. 	Lift the compressor ASSY up and remove it. 	<p>In case of difficulty with gas brazing machine</p> <ol style="list-style-type: none"> 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
02 / 2013	Si01-982	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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