




REMOVAL PROCEDURE



SERVICE
MANUAL

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

2.5/3.5 kW Class

-  Outdoor Unit
-  Non-Inverter
-  Pair Type



Service Manual Removal Procedure

Outdoor Unit

●Cooling Only

R25GV1G

R35GV1G

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

1. Removal of Outer Panels / Fan Motor

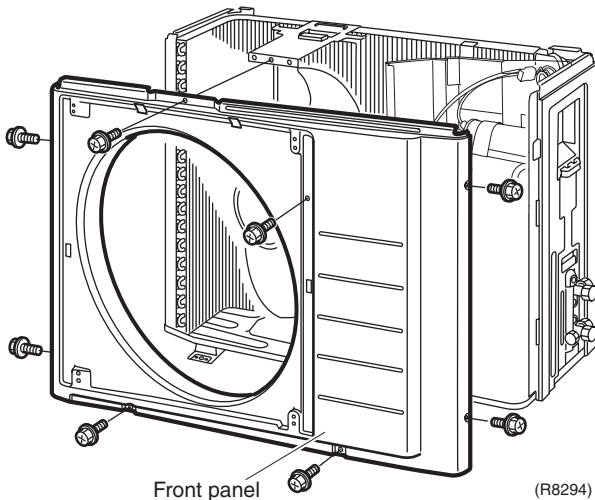
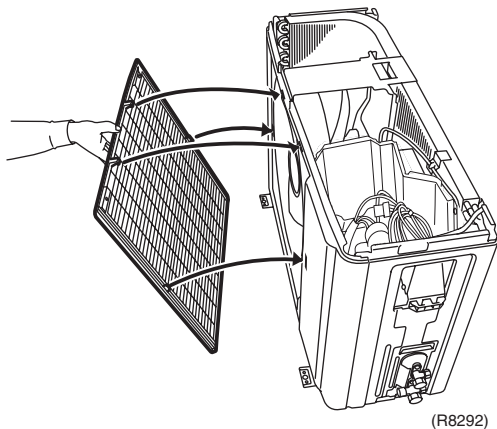
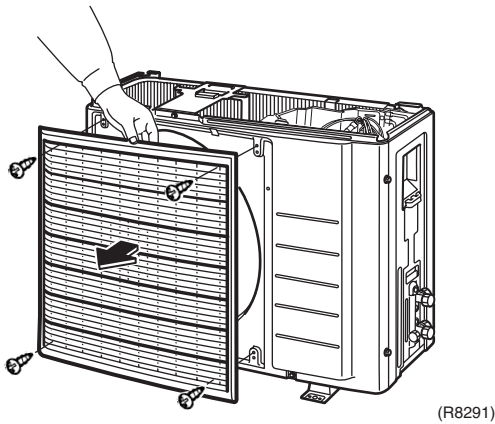
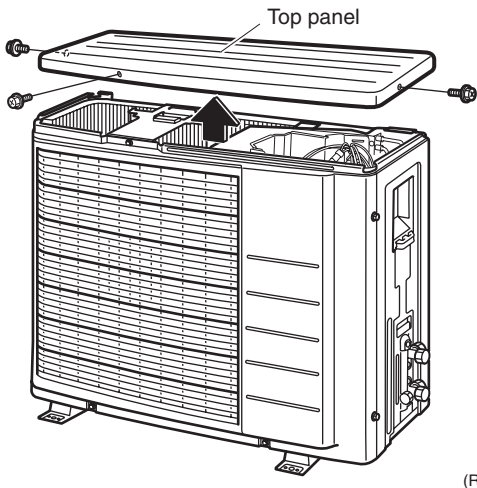
Procedure

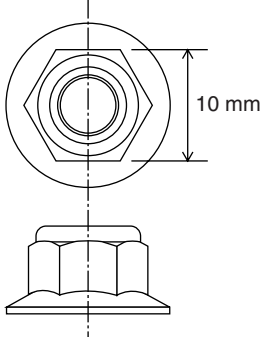
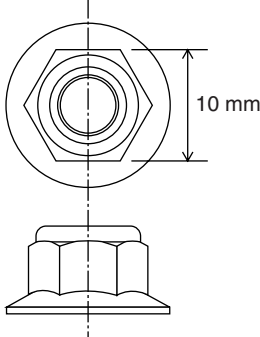
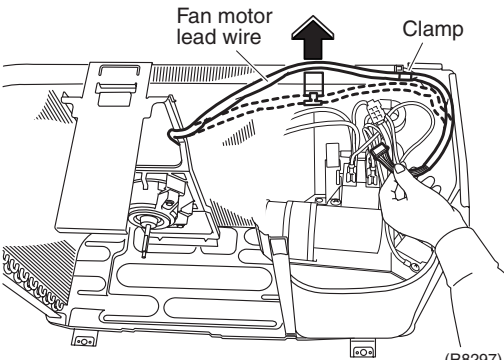


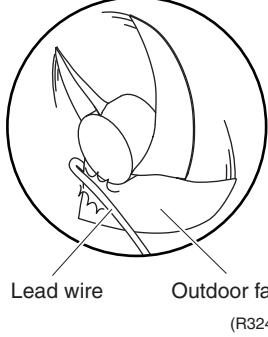
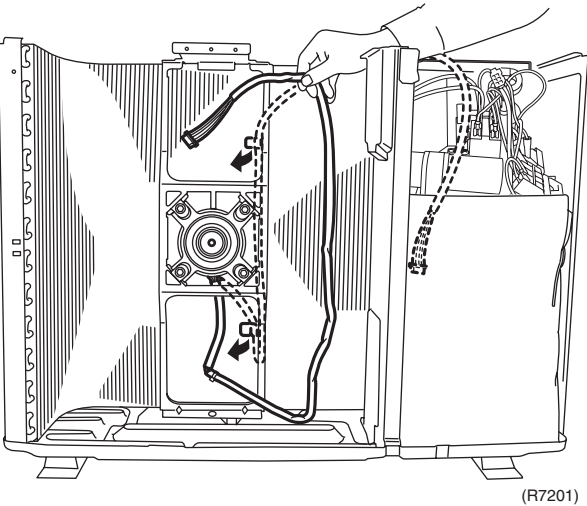
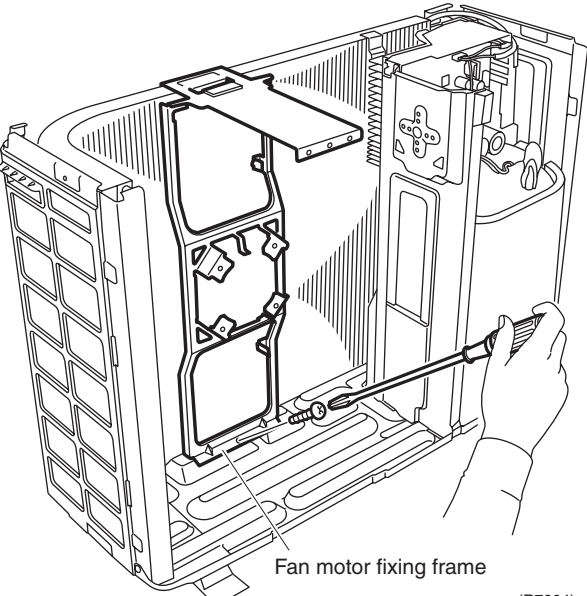
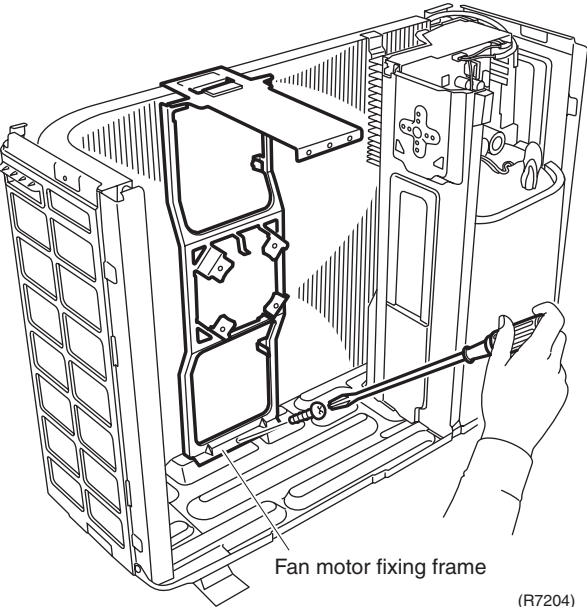
Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

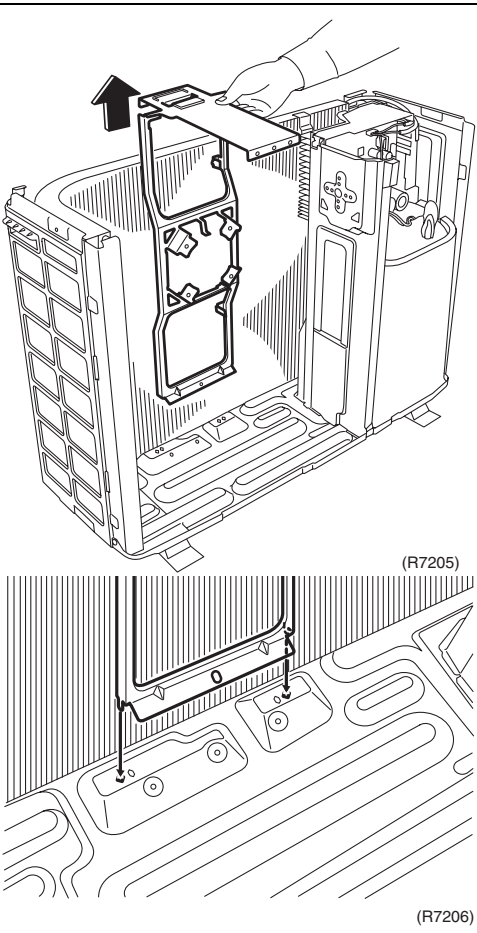
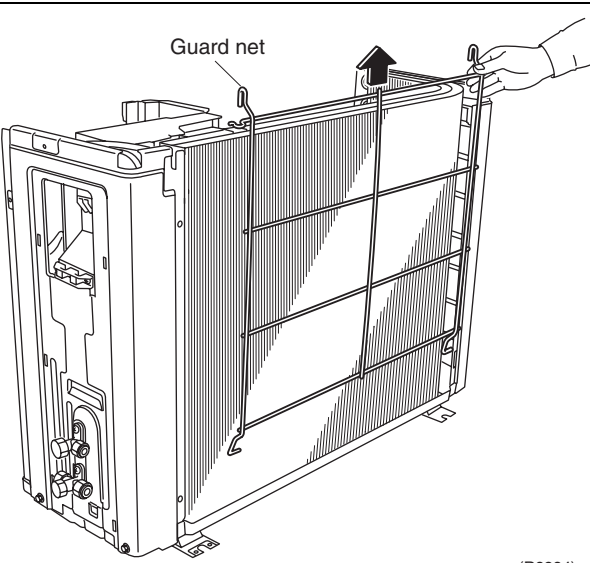
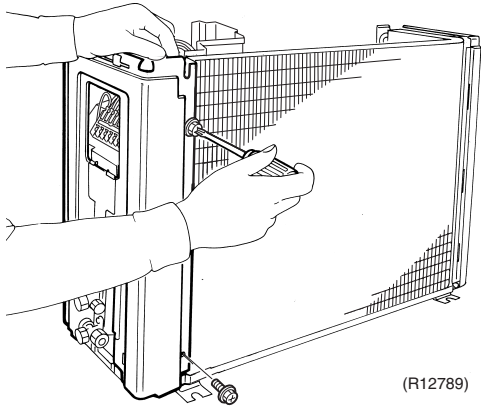
Step	Procedure	Points
<p>1. External appearance</p>	<p>(R7186)</p> <p>(R3236)</p>	<ul style="list-style-type: none"> ■ Take care not to cut your finger by the fins of the outdoor heat exchanger.
<p>2. Remove the panels.</p> <p>1 Remove the screw of the stop valve cover. Pull down the stop valve cover and remove it.</p>	<p>Stop valve cover</p> <p>Shield plate</p> <p>Hook</p> <p>(R7188)</p> <p>(R7189)</p>	<ul style="list-style-type: none"> ■ The stop valve cover is united with the shield plate. ■ When reassembling, make sure to fit the 5 hooks.

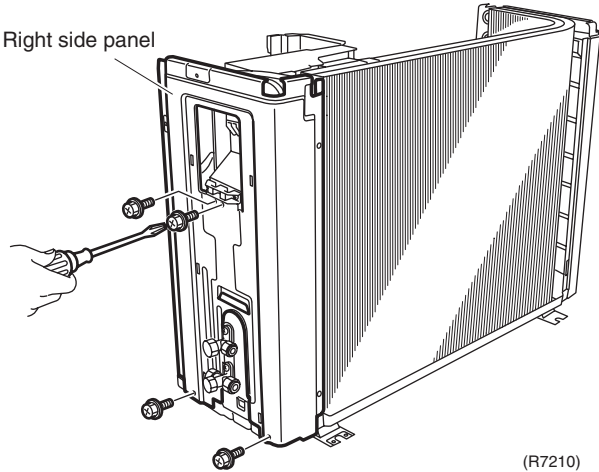
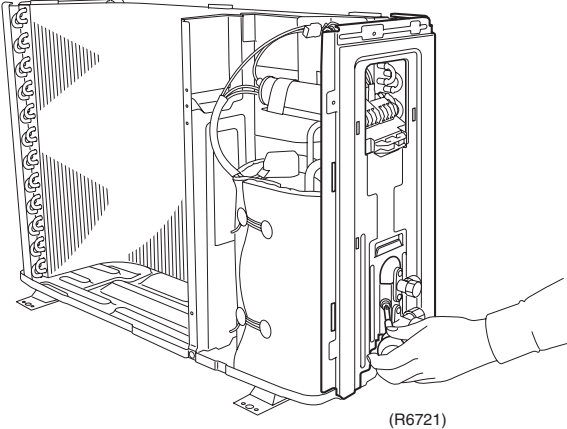
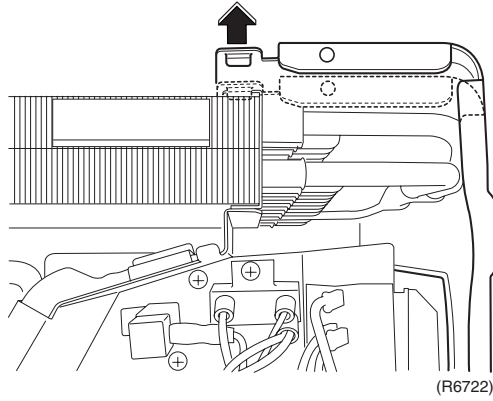
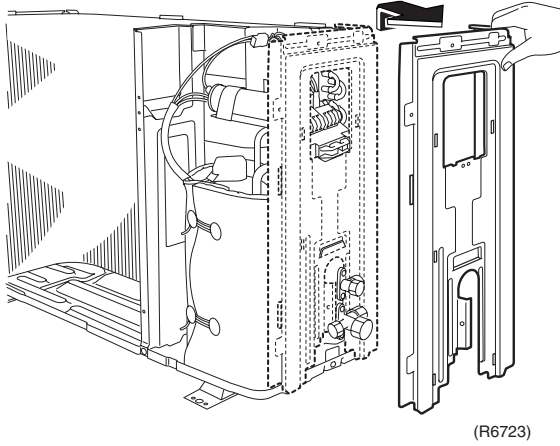
Step	Procedure	Points
2	Remove the 3 screws and remove the top panel.	
3	Remove the 4 screws and remove the discharge grille.	<ul style="list-style-type: none"> ■ The discharge grille has 4 hooks.
4	Remove the 8 screws and remove the front panel.	



Step	Procedure	Points
5	Unfasten the hooks. Pull and remove the front panel.	<ul style="list-style-type: none"> ■ The front panel has 4 hooks.
3. Remove the fan motor.	<p data-bbox="153 770 169 792">1</p> <p data-bbox="197 770 453 831">Remove the nut of the outdoor fan.</p>  <p data-bbox="708 1137 823 1160">Outdoor fan</p> <p data-bbox="959 1151 1018 1173">(R8296)</p>	<ul style="list-style-type: none"> ■ Nut size: M6  <p data-bbox="1334 1122 1401 1144">(R12236)</p>
2	Remove the outdoor fan.	<ul style="list-style-type: none"> ■ When reassembling, align the ▼ mark of the outdoor fan with the D-cut section of the motor shaft.
3	<p data-bbox="197 1727 475 1854">Disconnect the connector for the fan motor and cut the clamp. Release the fan motor lead wire from the hook.</p>  <p data-bbox="703 1749 799 1771">Fan motor lead wire</p> <p data-bbox="927 1749 991 1771">Clamp</p> <p data-bbox="959 2092 1034 2114">(R8297)</p>	

Step	Procedure	Points
4	Release the fan motor lead wire from the hooks.	<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.
5	Remove the 4 screws and remove the fan motor.	
6	Remove the screw and remove the fan motor fixing frame.	<p>Lead wire Outdoor fan (R3249)</p>
	 <p>(R7201)</p>	
	 <p>Fan motor (R13233)</p>	
	 <p>Fan motor fixing frame (R7204)</p>	

Step	Procedure	Points
	 <p>(R7205)</p> <p>(R7206)</p>	<ul style="list-style-type: none"> ■ When reassembling, fit the lower hooks into the bottom frame.
<p>4. Remove the right side panel.</p>	 <p>Guard net</p> <p>(R8284)</p>  <p>(R12789)</p>	
<p>1 Lift up and remove the guard net.</p>		
<p>2 Remove the 2 screws on the rear side.</p>		

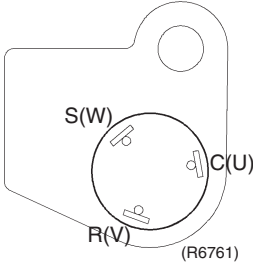
Step	Procedure	Points
3	Remove the 4 screws on the right side.	
	 <p>Right side panel</p> <p>(R721)</p>	
4	Remove the screw near the connection port.	
	 <p>(R6721)</p>	
5	Unfasten the hook.	<p>■ When reassembling, make sure to fit the hook.</p>
	 <p>(R6722)</p>	
6	Lift up the right side panel and remove it.	
	 <p>(R6723)</p>	

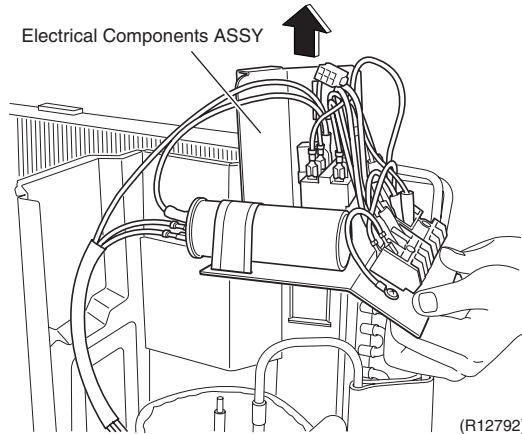
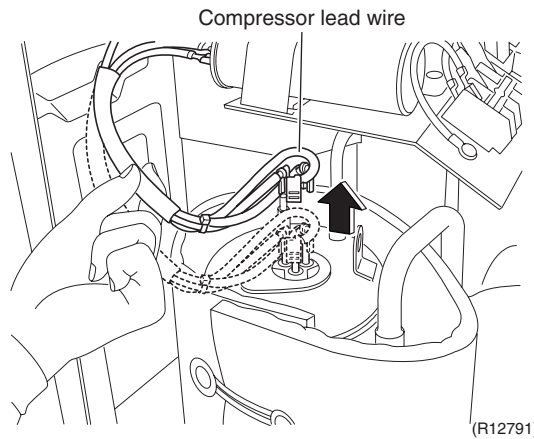
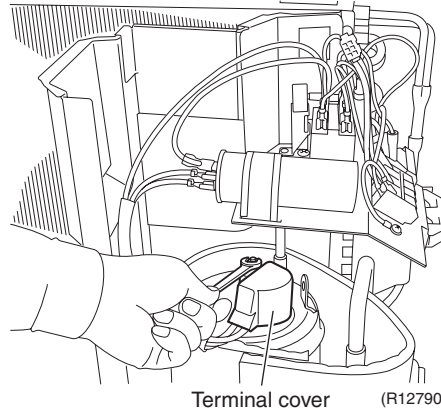
2. Removal of Electrical Components ASSY

Procedure



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

Step	Procedure	Points
1	Remove the nut and remove the terminal cover.	<p>Preparation</p> <ul style="list-style-type: none"> Remove the outer panels and disconnect the connector for the fan motor according to the "Removal of Outer Panels / Fan Motor".
2	Disconnect the compressor lead wires.	 <p>(R6761)</p>
3	Lift and remove the electrical components ASSY.	<p>S(W) : Yellow C(U) : Blue R(V) : Red</p>



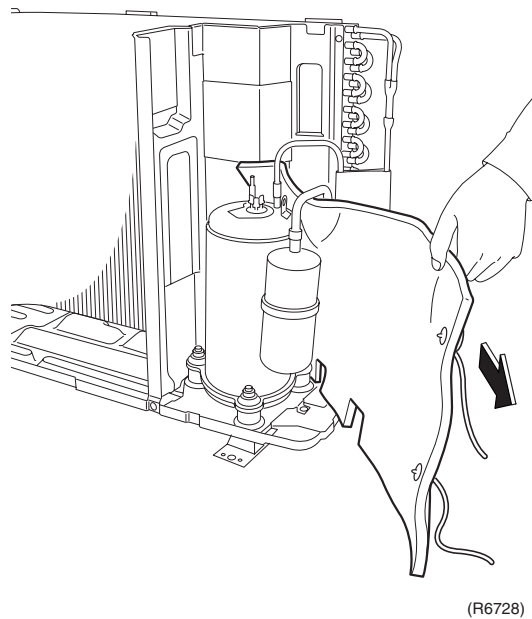
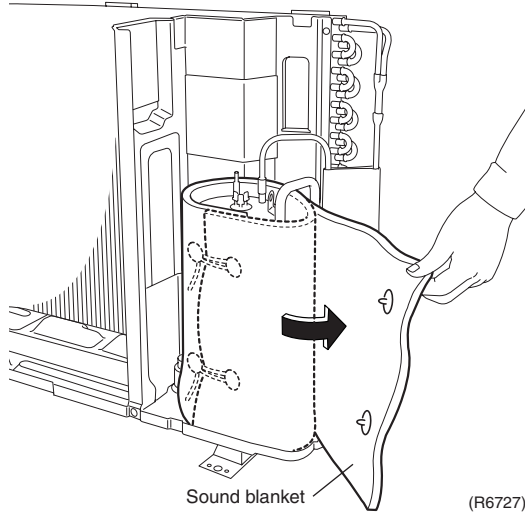
3. Removal of Sound Blanket

Procedure



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

Step	Procedure	Points
1	Untie the strings and open the sound blanket.	<p>Preparation</p> <ul style="list-style-type: none"> ■ Remove the outer panels according to the "Removal of Outer Panels / Fan Motor". ■ Remove the electrical components ASSY according to the "Removal of Electrical components ASSY".
2	Lift and remove the sound blanket.	<ul style="list-style-type: none"> ■ Since the piping ports on the sound blanket are torn easily, remove the sound blanket carefully.



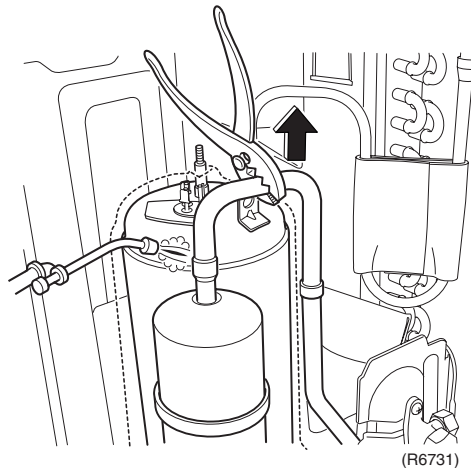
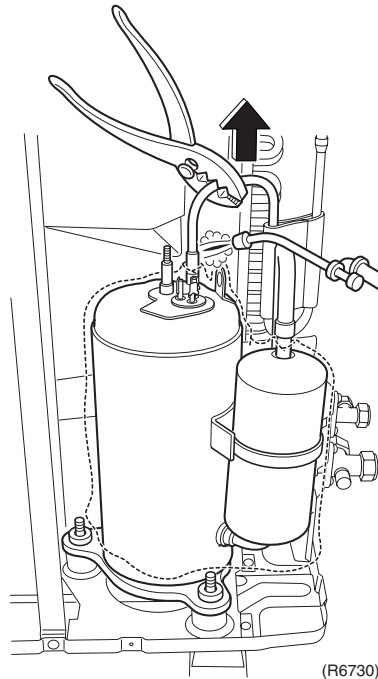
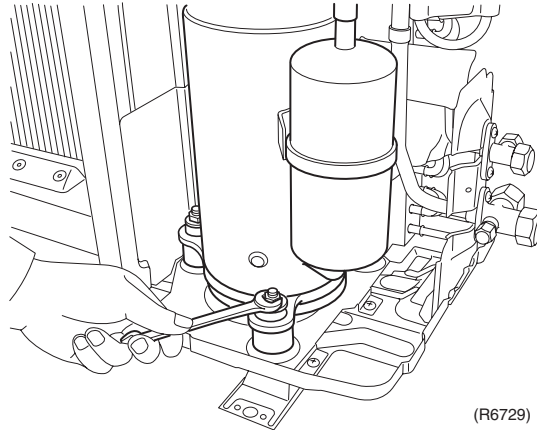
4. Removal of Compressor

Procedure

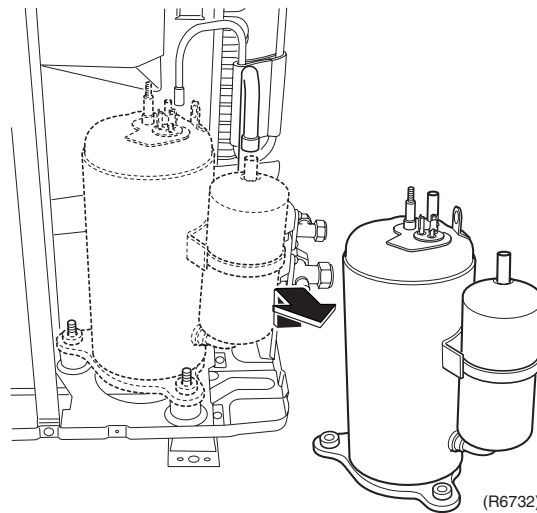


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Step	Procedure	Points
1	Remove the 3 nuts of the compressor.	<p>Warning Be careful not to get yourself burnt with the pipes and other parts that are heated by the gas brazing machine.</p> <p>Warning If the refrigerant gas leaks during work, ventilate the room. (If the refrigerant gas is exposed to flames, toxic gas may be generated.)</p>
<ul style="list-style-type: none"> ■ Before working, make sure that the refrigerant is empty in the circuit. ■ Be sure to apply nitrogen replacement when heating up the brazed part. 		<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>
2	Heat up the brazed part of the discharge 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>
3	Heat up the brazed part of the suction side and disconnect.	<p>Cautions for restoration</p> <ol style="list-style-type: none"> 1. Restore the piping by non-oxidation 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. <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.



Step	Procedure	Points
4	Lift the compressor up and remove it.	<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.



Revision History

Month / Year	Version	Revised contents
06 / 2013	Si01-879	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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