






Si01-883

REMOVAL PROCEDURE



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

9000/13000/15000 Btu/h Class

-  Outdoor Unit
-  Non-Inverter
-  Pair Type



Service Manual Removal Procedure

Outdoor Unit

●Cooling Only

**AR09JV2S
AR13JV2S**

**R09HV2S
R13HV2S
R15HV2S**

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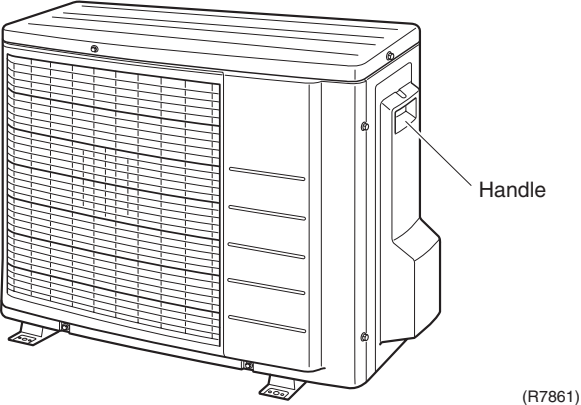
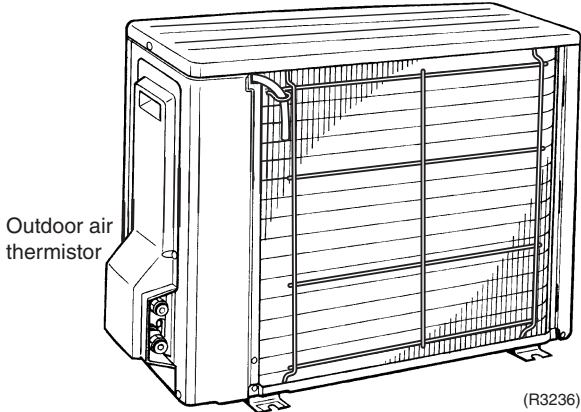
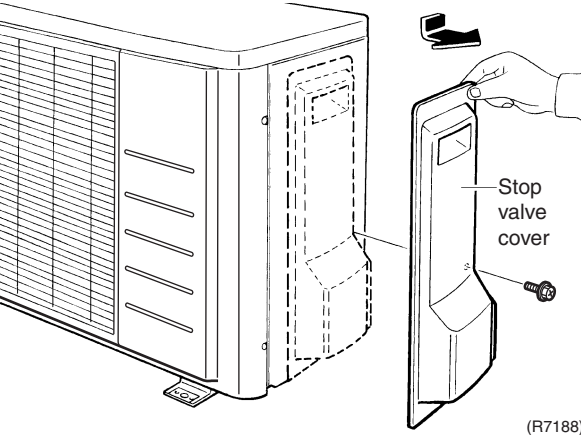
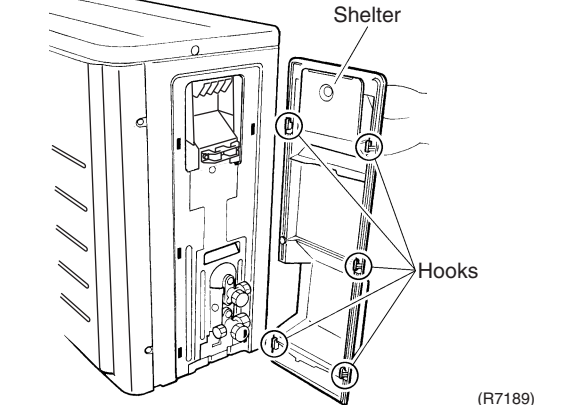


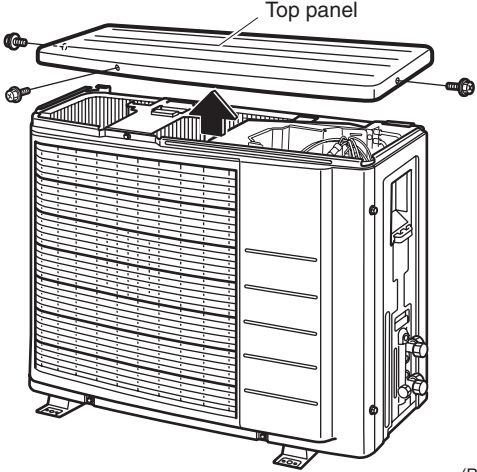
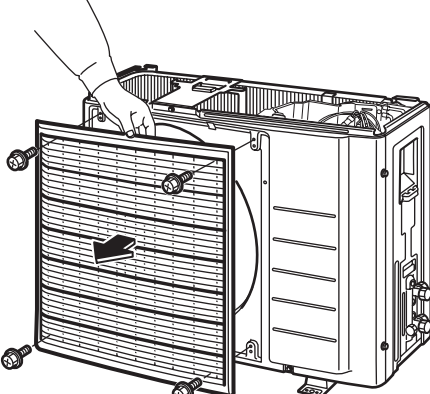
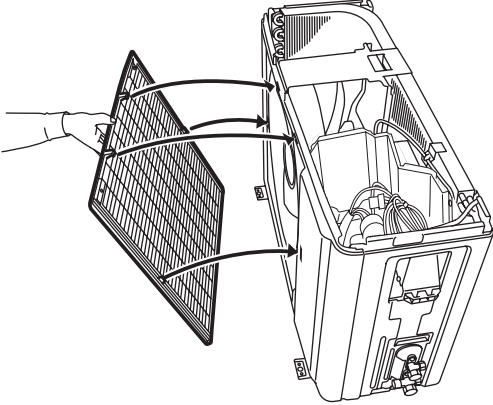
Note: ♦ The illustrations may be slightly different depending on the model.

1. Removal of Panels and Fan Motor

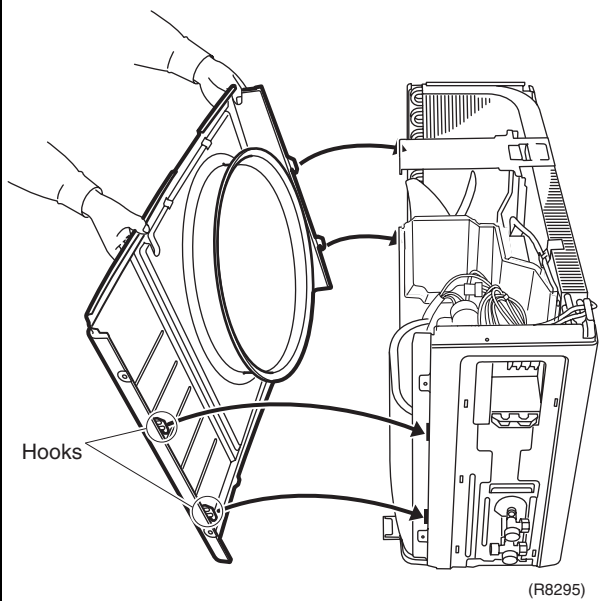
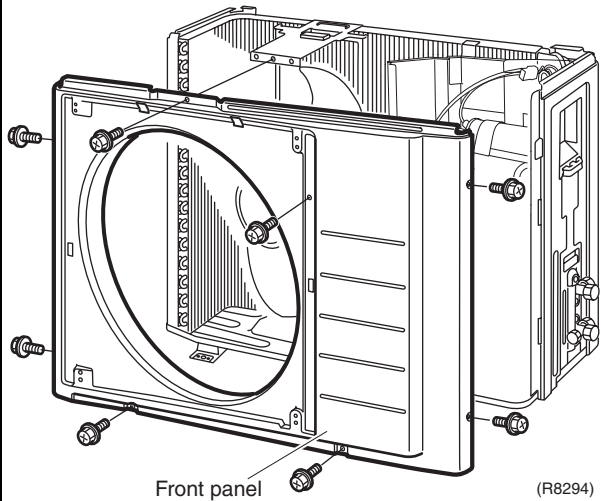
Procedure

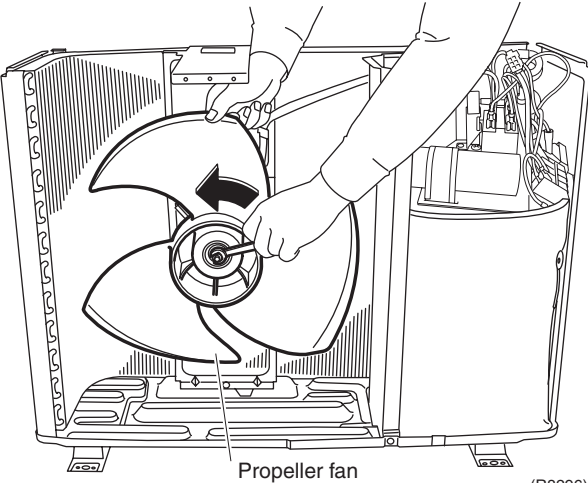
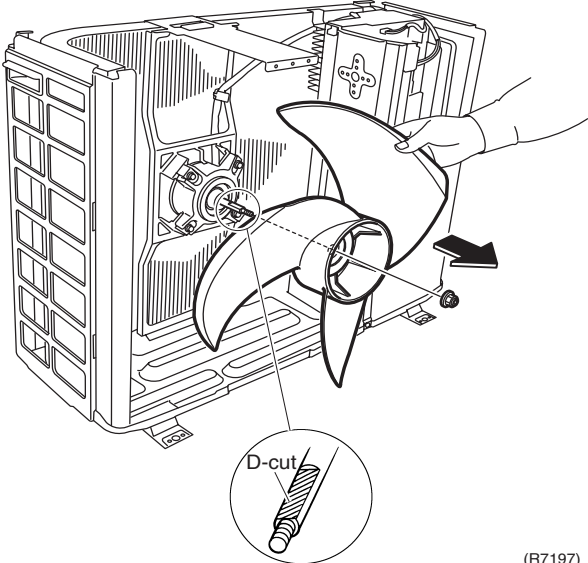
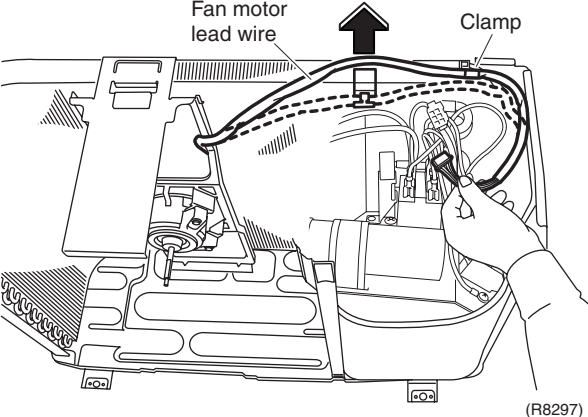
 **Warning** Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

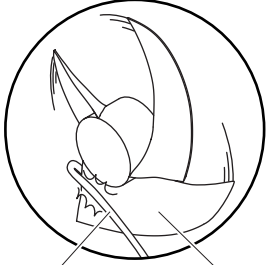
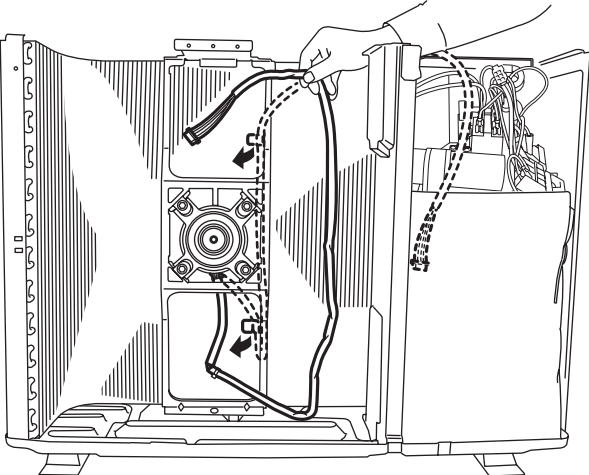
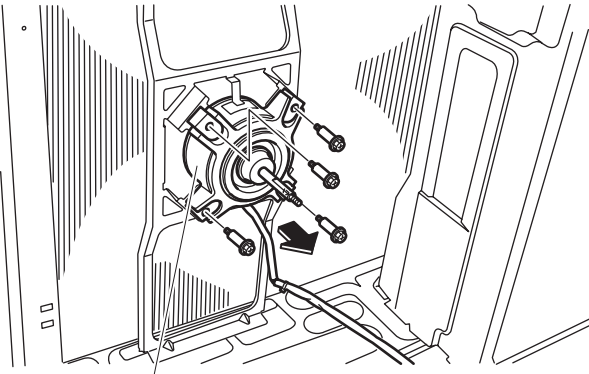
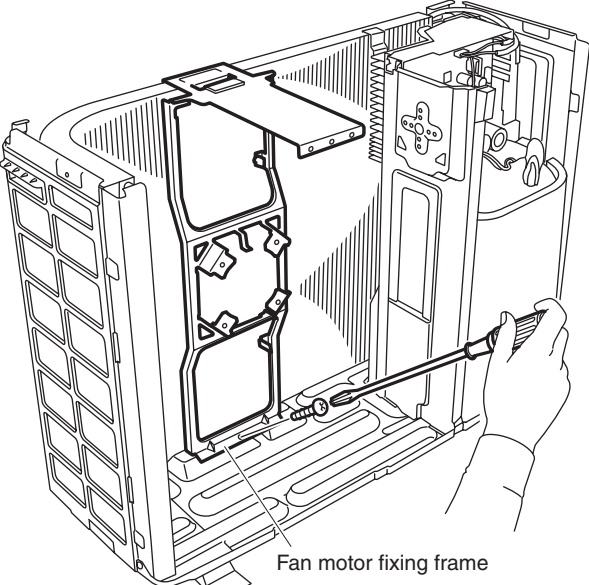
Step	Procedure	Points
1. Features	 <p>(R7861)</p>  <p>Outdoor air thermistor</p> <p>(R3236)</p>  <p>Stop valve cover</p> <p>(R7188)</p>  <p>Shelter</p> <p>Hooks</p> <p>(R7189)</p>	<ul style="list-style-type: none"> ■ Take care not to cut your finger by the fins of the heat exchanger. ■ The stop valve cover is united with the shelter. ■ When reassembling, make sure to fit the 5 hooks.

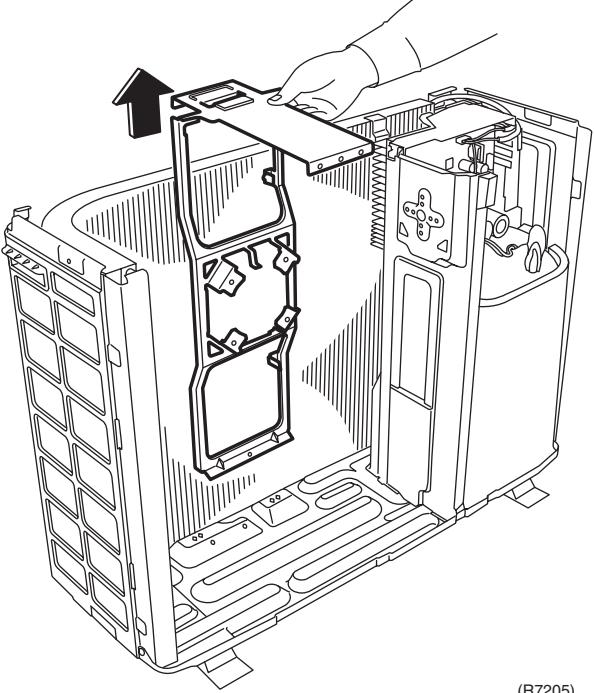
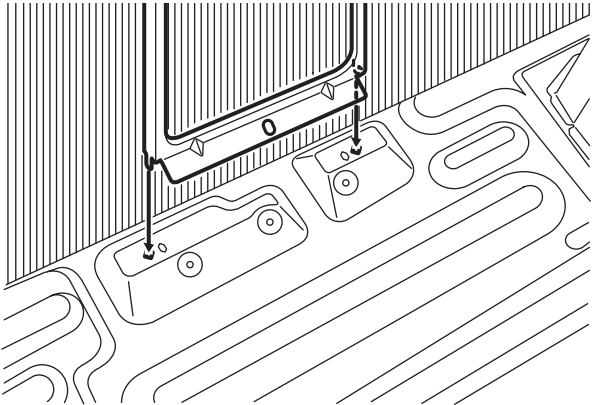
Step	Procedure	Points
<p>2. Remove the panels.</p> <p>1 Loosen the 3 screws and lift the top panel.</p> <p>2 Loosen the 4 screws of the discharge grille.</p>	 <p>(R8290)</p>  <p>(R8291)</p>  <p>(R8292)</p>	<p>■ The discharge grille has 4 hooks.</p>

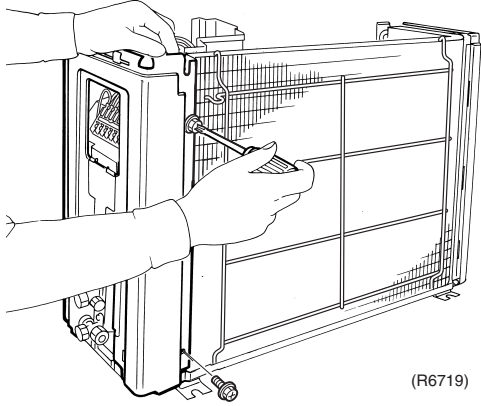
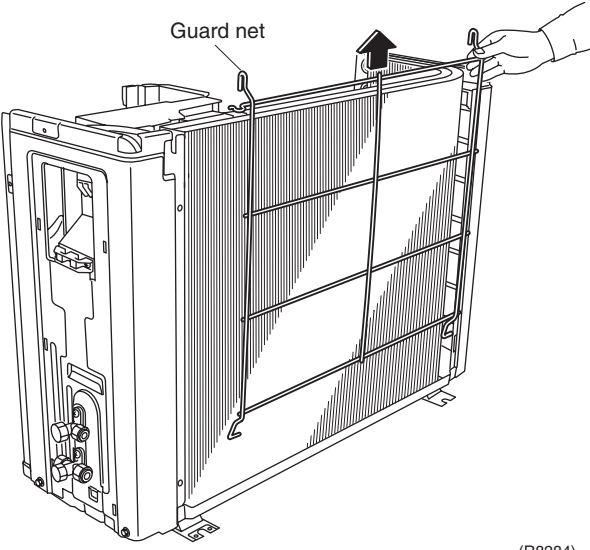
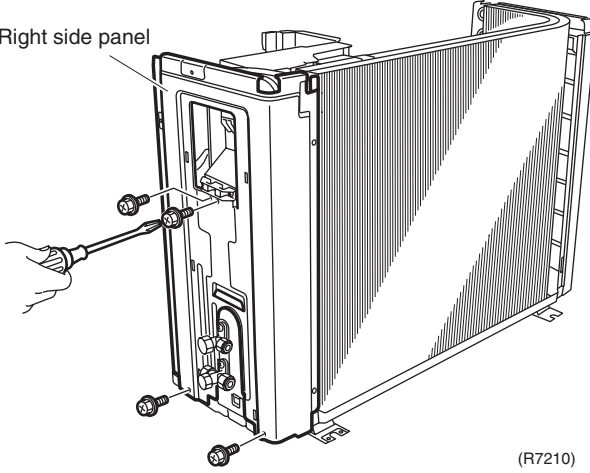
Step	Procedure	Points
3	Loosen the 8 screws of the front panel.	
4	Undo the hooks. Pull and remove the front panel.	<ul style="list-style-type: none"> ■ The front panel has 4 hooks. ■ The fan motor is united with the front panel.

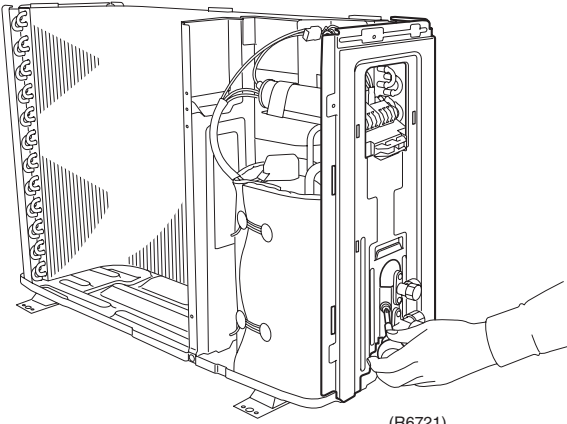
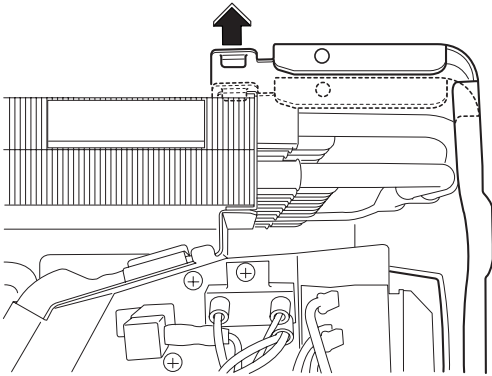
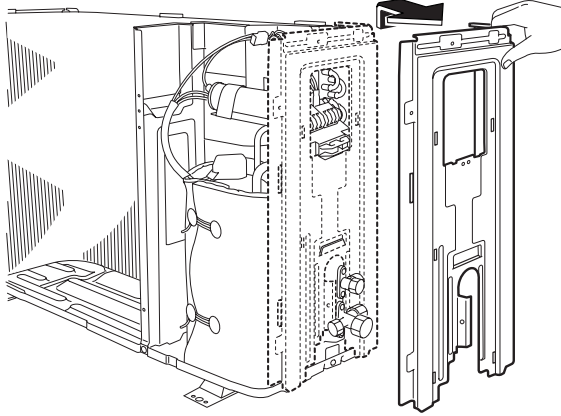


Step	Procedure	Points
<p>3. Remove the fan motor.</p> <p>1</p> <p>2</p> <p>3</p>	<p>1 Unscrew the washer-fitted nut (M10) of the propeller fan with a wrench.</p>  <p>2 Remove the propeller fan.</p>  <p>3 Disconnect the fan motor connector and cut the clamp.</p> 	<p>■ Align the ▼ mark of the propeller fan with the D-cut section of the motor shaft when reassembling.</p>

Step	Procedure	Points
4	Loosen the fixing hooks and release the lead wire.	<ul style="list-style-type: none"> Put the lead wire through the back of the motor when reassembling. (so as not to be entangled with the propeller fan)
5	Loosen the 4 screws to remove the fan motor.	 <p>Lead wire (R3249) Propeller fan (R3249)</p>
6	Loosen the screw to remove the fan motor fixing frame.	
	 <p>(R7201)</p>	
	 <p>Fan motor (R7202)</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 hook into the bottom frame.

Step	Procedure	Points
4. Remove the right side panel.		
1	<p>Loosen the 2 screws on the rear side.</p>  <p>(R6719)</p>	
2	<p>Lift up the guard net to remove.</p>  <p>Guard net</p> <p>(R8284)</p>	
3	<p>Loosen the 4 screws on the right side.</p>  <p>Right side panel</p> <p>(R7210)</p>	

Step	Procedure	Points
4	<p data-bbox="197 215 453 304">Loosen the screw and lift the connection port to remove.</p>  <p data-bbox="884 654 948 676">(R6721)</p>  <p data-bbox="963 1093 1027 1115">(R6722)</p>	<ul style="list-style-type: none"> <li data-bbox="1091 689 1437 757">■ When reassembling, make sure to fit the hook.
5	<p data-bbox="197 1137 424 1205">Lift up the right side panel to remove.</p>  <p data-bbox="983 1592 1046 1615">(R6723)</p>	

2. Removal of Electrical Box

Procedure



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

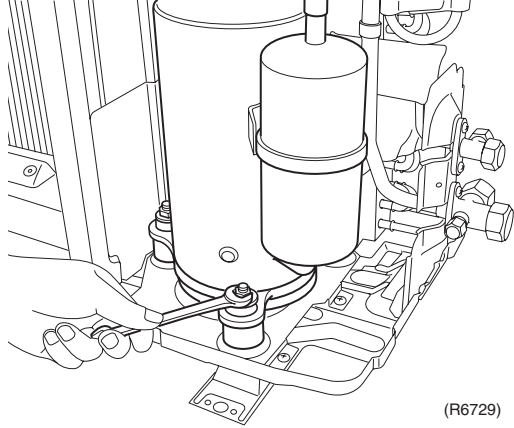
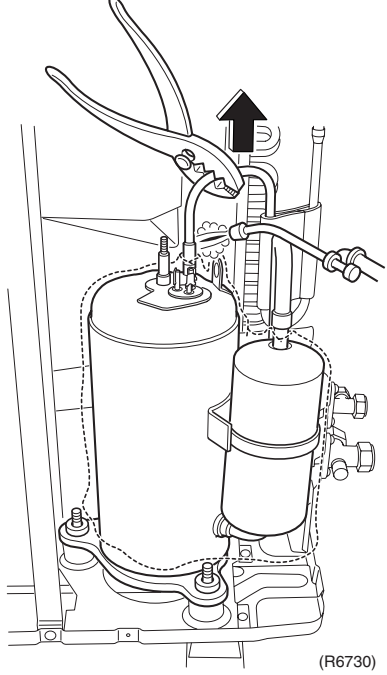
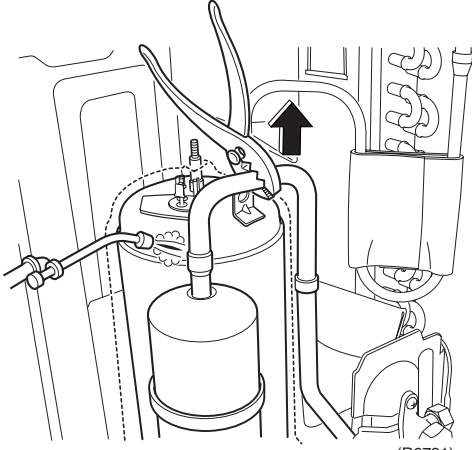
Step	Procedure	Points
<ul style="list-style-type: none"> ■ Remove the top panel. ■ Disconnect the connector for fan motor. 	<p style="text-align: right;">(R6724)</p>	
<p>1. Remove the electrical box.</p>		
<p>1 Remove the terminal cover.</p>	<p style="text-align: right;">(R6724)</p>	
<p>2 Disconnect the compressor lead wire.</p>	<p style="text-align: right;">(R6725)</p>	<p style="text-align: right;">(R6761)</p> <p>S(W) : Yellow C(U) : Blue R(V) : Red</p>
<p>3 Lift and remove the electrical box.</p>	<p style="text-align: right;">(R6726)</p>	

4. Removal of Compressor

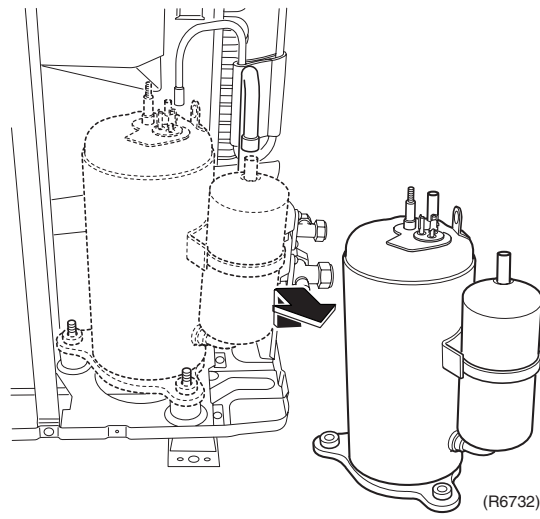
Procedure



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

Step	Procedure	Points
1.	Remove the compressor.	
1	<p>Unscrew the nut of the compressor.</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>(R6729)</p> <p>Warning Ventilate when refrigerant leaks during the work. (If refrigerant contacts fire, it will cause to arise toxic gas.)</p> <ul style="list-style-type: none"> ■ 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 or the name plate. ■ Be careful so as not to burn the heat exchanger fin.
2	Heat up the brazed part of the discharge side and disconnect.	 <p>(R6730)</p> <p>Warning Since it may happen that refrigeration oil in the compressor will catch fire, prepare wet cloth so as to extinguish fire immediately.</p> <p>In case of the 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 by a miniature copper tube cutter in order to make it easy to 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. For the sake of this, wrap the four way valve with wet cloth and provide water so that the cloth will not be dried and avoid excessive heating. (Keep below 120°C)
3	Heat up the brazed part of the suction side and disconnect.	 <p>(R6731)</p> <p>i Note: Do not use a metal saw for cutting pipes by all means because the sawdust come into the circuit.</p>

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



Revision History

Month / Year	Version	Revised contents
06 / 2013	Si01-883	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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