






Si01-783

REMOVAL PROCEDURE



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

9000/12000/13000/15000 Btu/h Class

-  Outdoor Unit
-  Non-Inverter
-  Pair Type



Service Manual Removal Procedure

Outdoor Unit

●Cooling Only

**AR09HV2S
AR13HV2S**

**R09GV2S
R13GV2S
R15GV2S**

**RE09GV2S
RE12GV2S**

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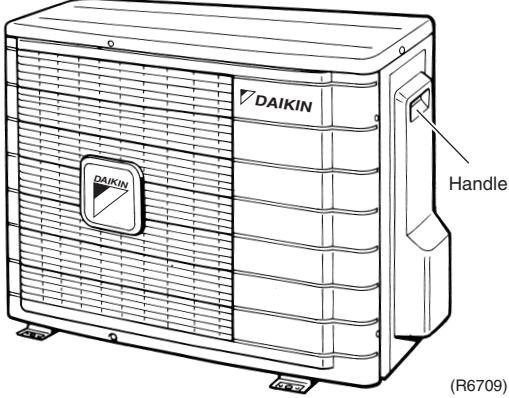
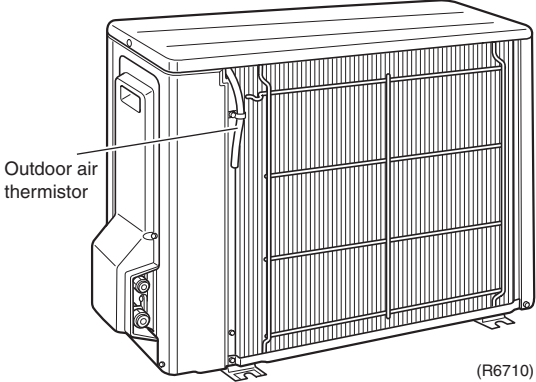
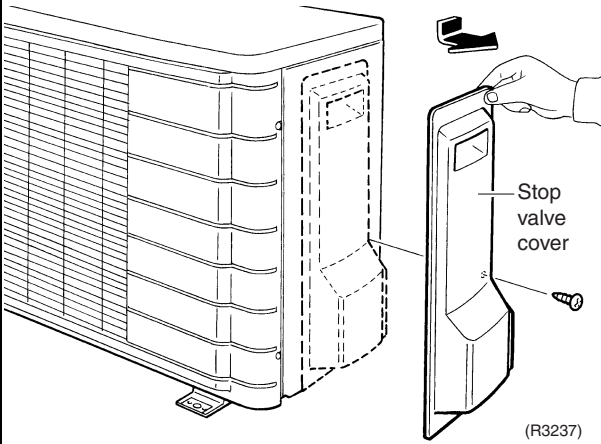
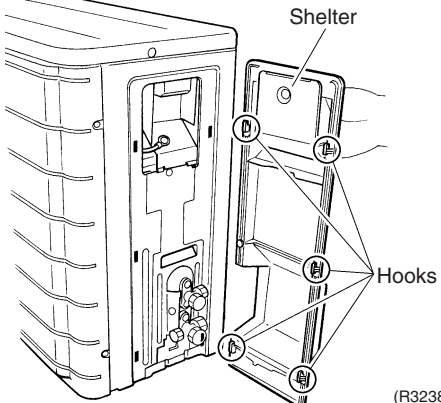


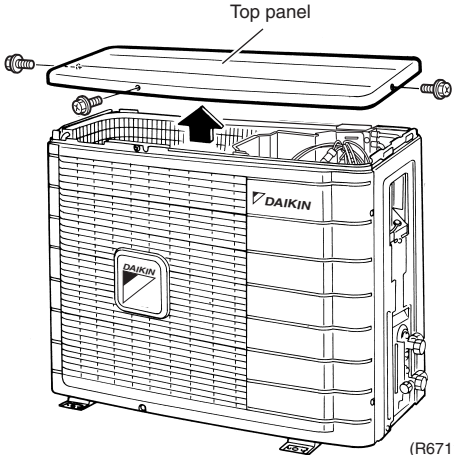
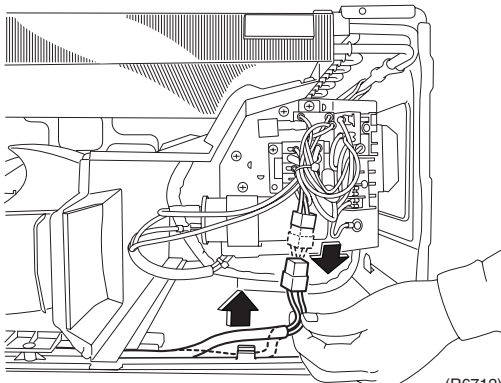
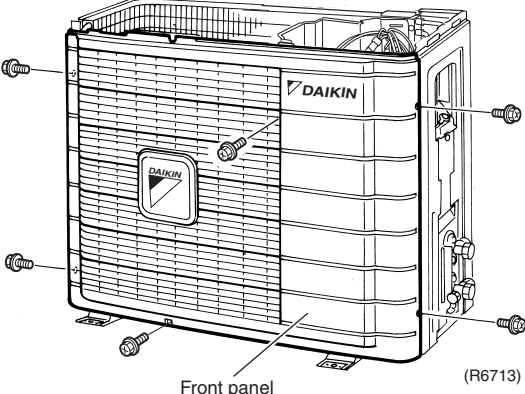
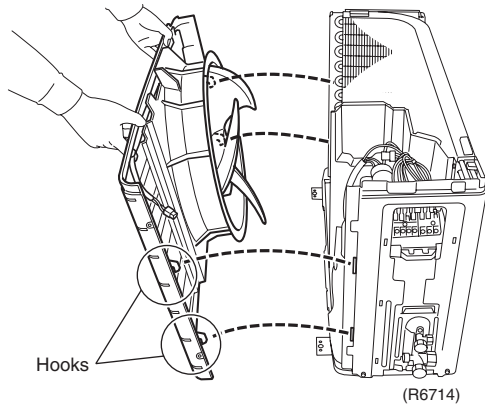
Note: ♦ The illustrations may be slightly different depending on the model.

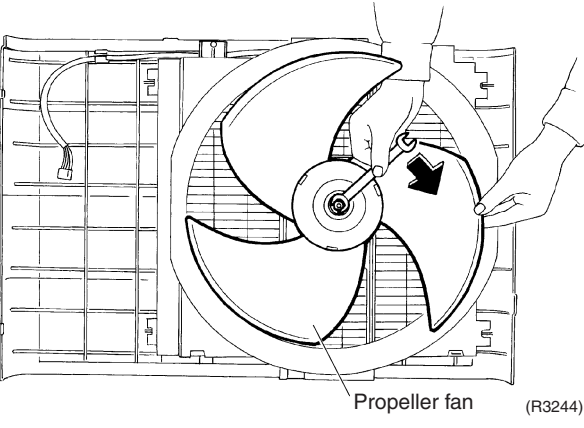
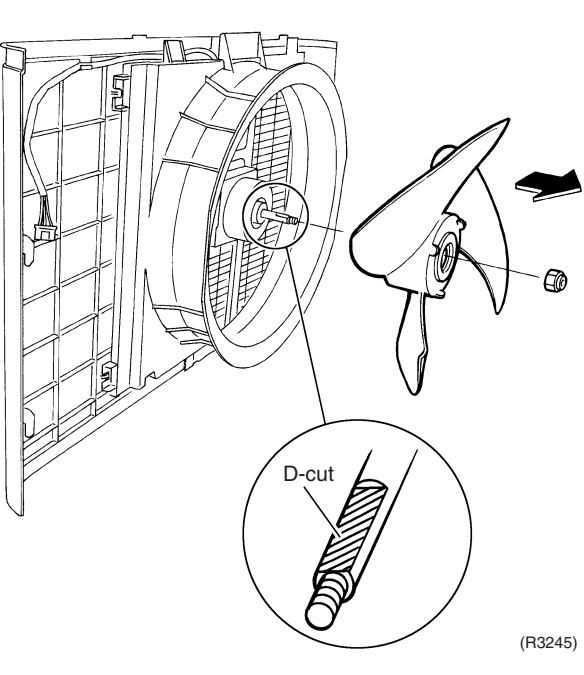
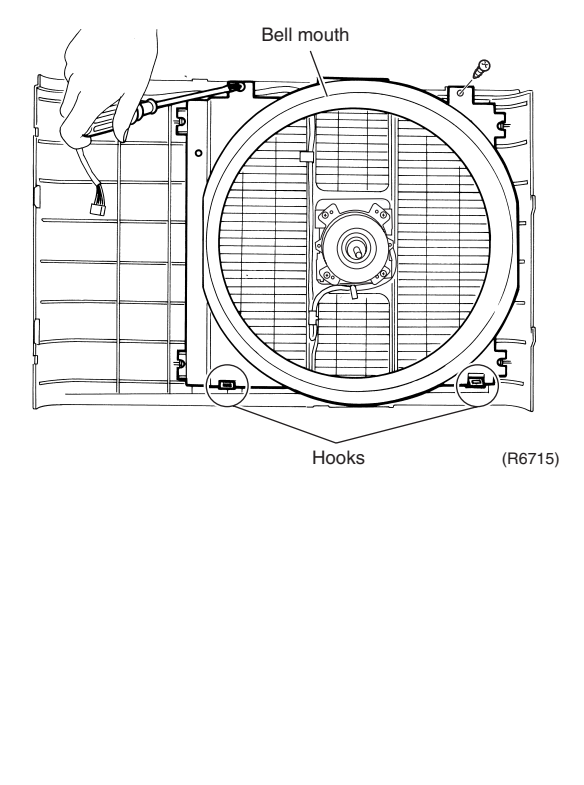
1. Removal of Panels and Fan Motor

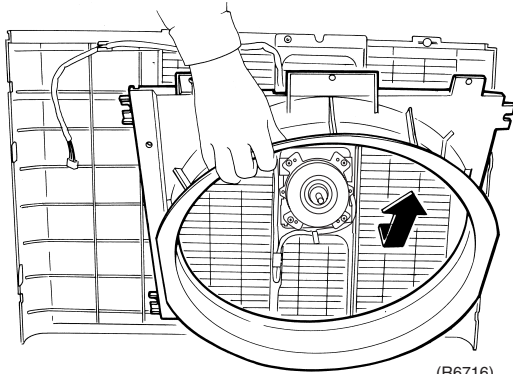
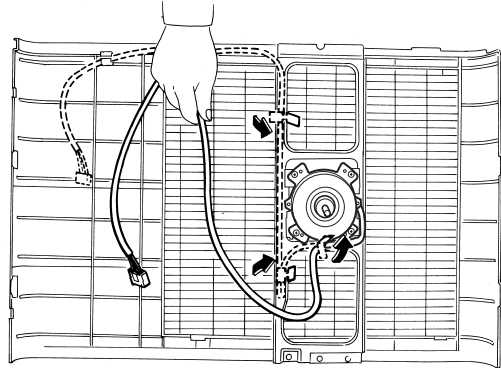
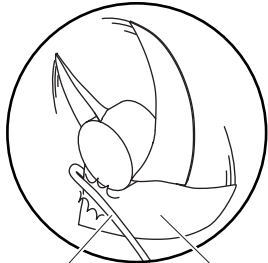
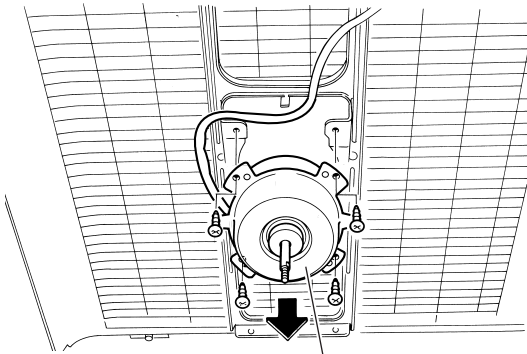
Procedure

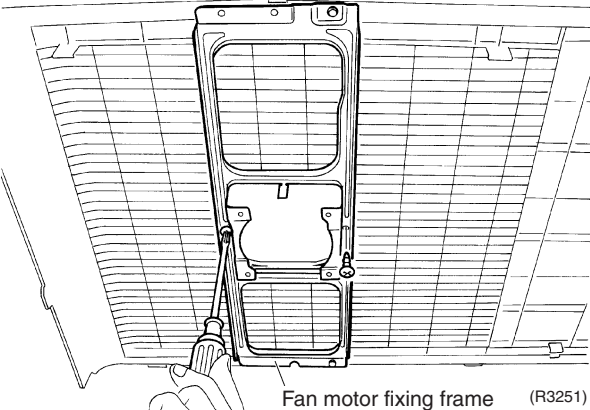
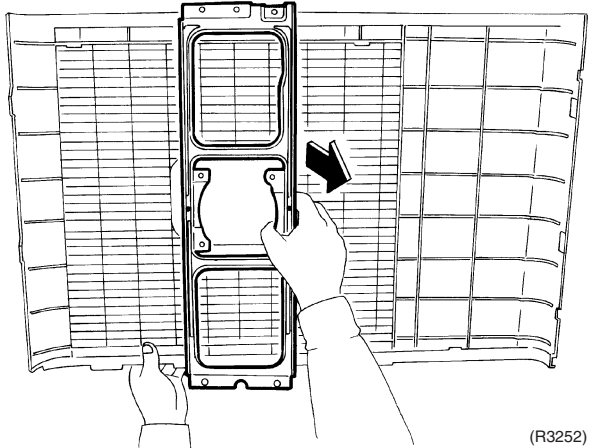
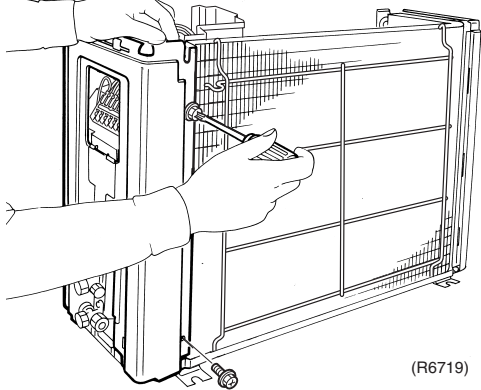
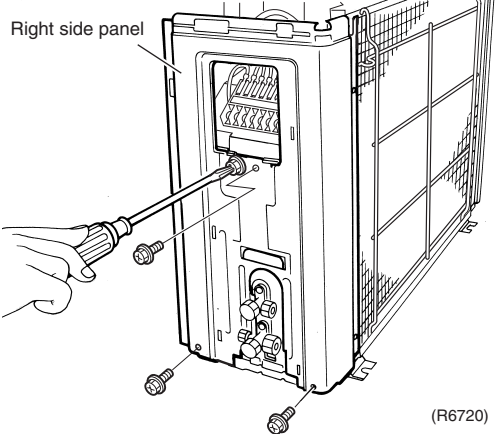
 **Warning** Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

Step	Procedure	Points
1. Features	 <p>(R6709)</p>  <p>(R6710)</p>  <p>(R3237)</p>  <p>(R3238)</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.
1	<p>Loosen the screw of the stop valve cover. Pull down the stop valve cover and remove it.</p>	

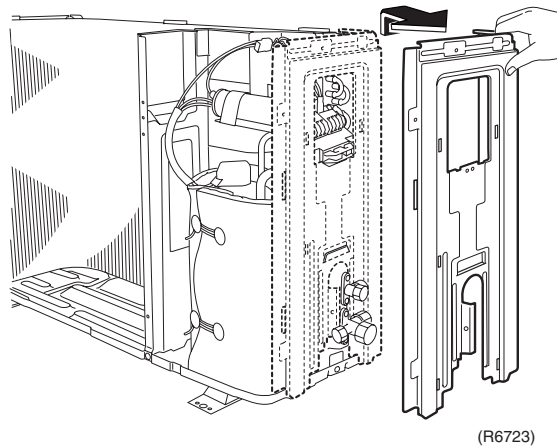
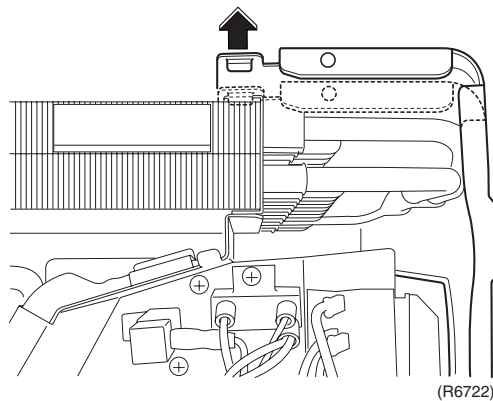
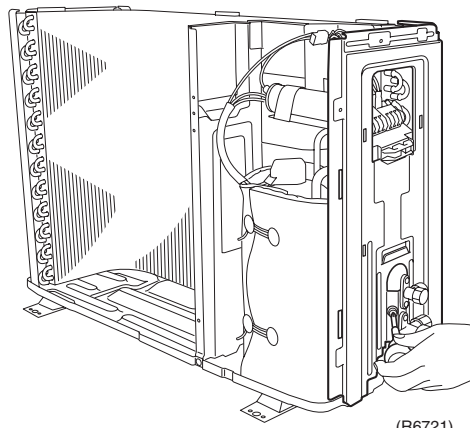
Step	Procedure	Points
2. Remove the panels.		
1	<p>Loosen the 3 screws (front, right, left) and lift the top panel.</p>  <p>(R6711)</p>	
2	<p>Disconnect the connector for fan motor.</p>  <p>(R6712)</p>	<ul style="list-style-type: none"> ■ The fan motor is united with the front panel.
3	<p>Loosen the 6 screws of the front panel.</p>  <p>(R6713)</p>	
4	<p>Undo the hooks. Pull and remove the front panel.</p>  <p>(R6714)</p>	<ul style="list-style-type: none"> ■ The front panel has 4 hooks. ■ The fan motor is united with the front panel.

Step	Procedure	Points
3.	Remove the fan motor.	
1	<p>Unscrew the washer-fitted nut (M10) of the propeller fan with a spanner.</p> 	
2	<p>Remove the propeller fan.</p> 	<p>■ Align the ▼ mark of the propeller fan with the D-cut section of the motor shaft when reassembling.</p>
3	<p>Loosen the 2 screws and lift the bell mouth to undo the hooks. Remove the bell mouth.</p> 	

Step	Procedure	Points
<p>4</p>	<p>Loosen the fixing hooks and release the lead wire.</p>  <p>(R6716)</p>  <p>(R6717)</p>	<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)  <p>Lead wire Propeller fan (R3249)</p>
<p>5</p>	<p>Loosen the 4 screws to remove the fan motor.</p>  <p>Fan motor (R6718)</p>	<ul style="list-style-type: none"> ■ M4x16 ■ AC fan motor

Step	Procedure	Points
<p>6</p>	<p>Loosen the 2 screws to remove the fan motor fixing frame.</p>  <p>Fan motor fixing frame (R3251)</p>  <p>(R3252)</p>	
<p>4. Remove the right side panel.</p>	<p>1 Loosen the 2 screws on the rear side.</p>  <p>(R6719)</p> <p>2 Loosen the 4 screws on the right side.</p>  <p>Right side panel (R6720)</p>	

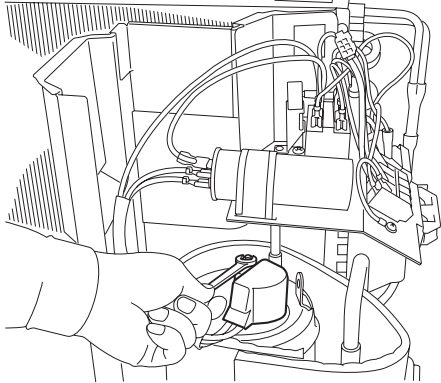
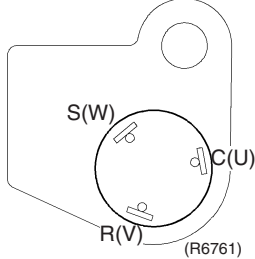
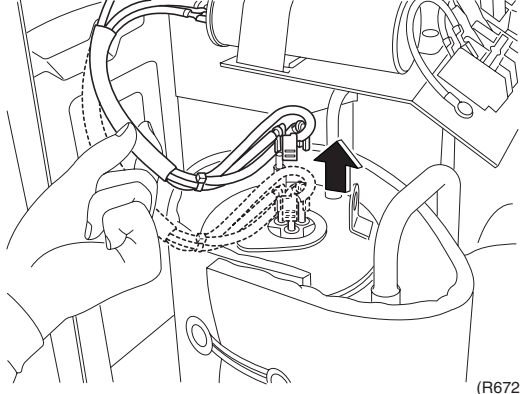
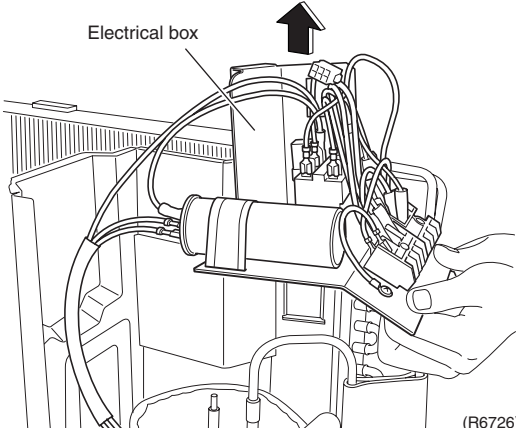
Step	Procedure	Points
3	Loosen the screw and lift the connection port to remove.	<ul style="list-style-type: none"> ■ When reassembling, make sure to fit the hook.



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 style="text-align: right;">(R6761)</p>
<p>1. Remove the electrical box.</p>	 <p style="text-align: right;">(R6725)</p>	<p>S(W) : Yellow C(U) : Blue R(V) : Red</p>
<p>1 Remove the terminal cover.</p> <p>2 Disconnect the compressor lead wire.</p> <p>3 Lift and remove the electrical box.</p>	 <p style="text-align: right;">(R6726)</p>	

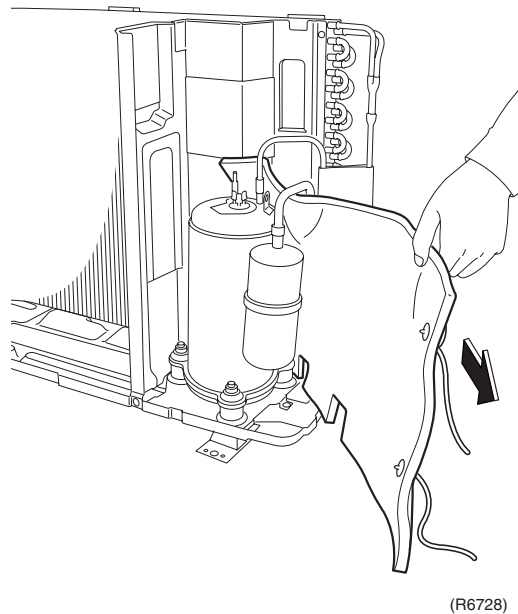
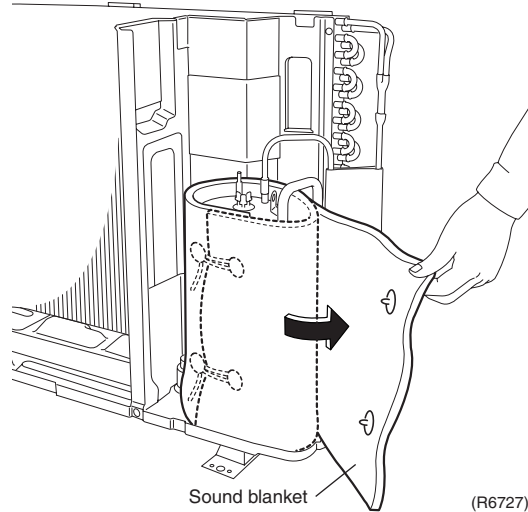
3. Removal of Sound Blanket

Procedure



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

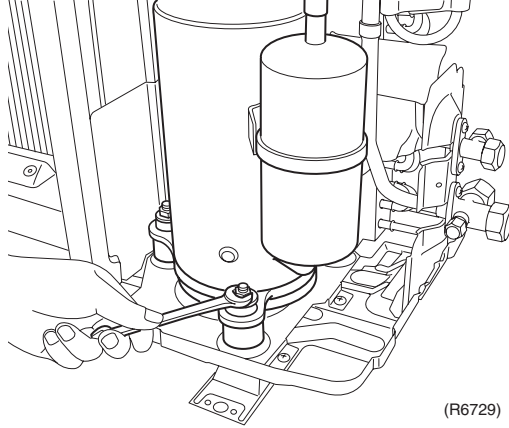
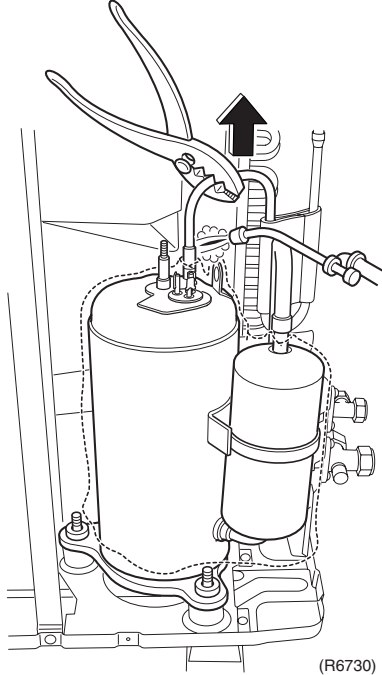
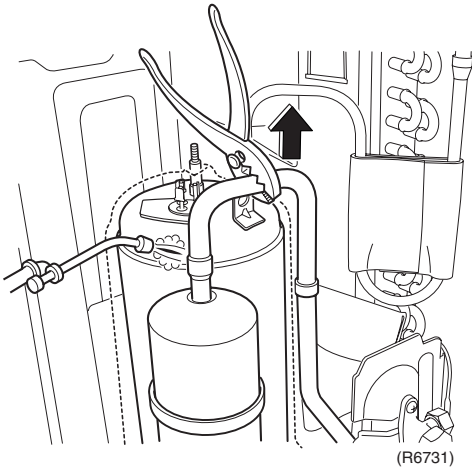
Step	Procedure	Points
<ul style="list-style-type: none"> ■ Remove the outer panels. ■ Remove the electrical box. 		
1.	Remove the sound blanket.	
1	Untie the strings and open the sound blanket.	
2	Lift and remove the sound blanket (body) as it is opened.	<ul style="list-style-type: none"> ■ Since the piping ports on the sound blanket are torn easily, remove the blanket carefully.

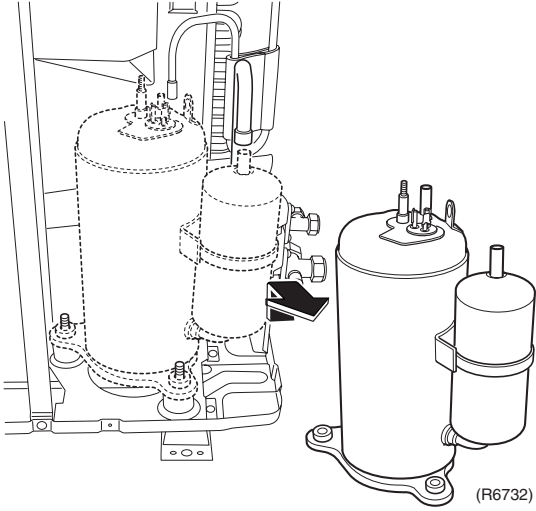


4. Removal of Compressor

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.	 <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>
3. Heat up the brazed part of the suction side and disconnect.	 <p>(R6731)</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) <p>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	<p data-bbox="199 219 454 280">Lift the compressor up and remove it.</p>  <p data-bbox="986 725 1050 750">(R6732)</p>	

Revision History

Month / Year	Version	Revised contents
07 / 2013	Si01-783	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

DAIKIN INDUSTRIES, LTD.

Head Office:
Umeda Center Bldg., 2-4-12, Nakazaki-Nishi,
Kita-ku, Osaka, 530-8323 Japan

Tokyo Office:
JR Shinagawa East Bldg., 2-18-1, Konan,
Minato-ku, Tokyo, 108-0075 Japan

http://www.daikin.com/global_ac/

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