




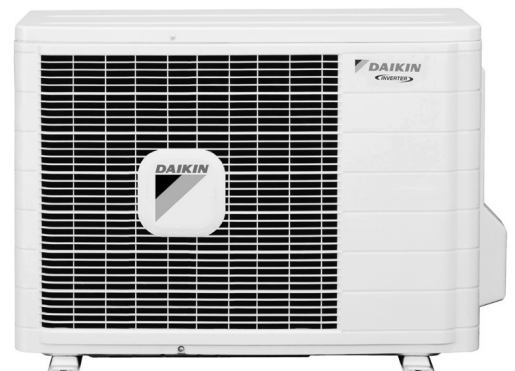
REMOVAL PROCEDURE



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

1.5 HP Class

-  Outdoor Unit
-  Non-Inverter
-  Pair Type



Service Manual Removal Procedure

Outdoor Unit

Applicable Models

- **Cooling Only**
R13NUV2S

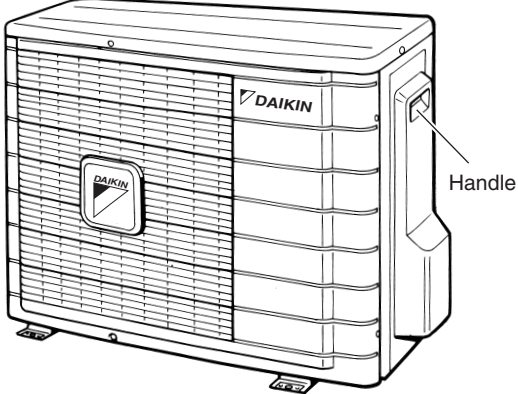
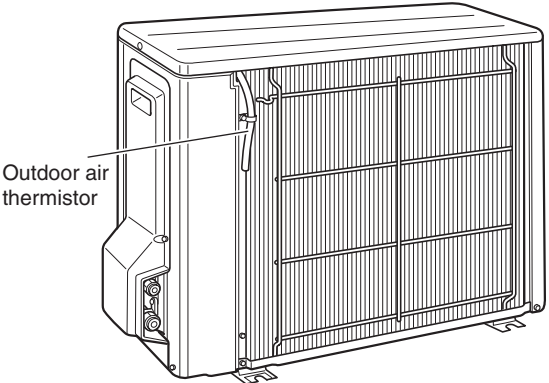
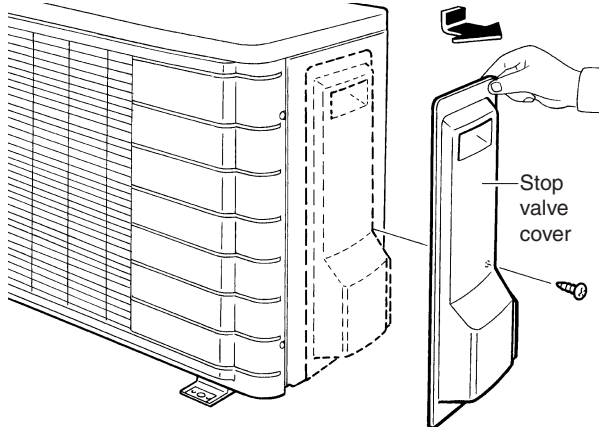
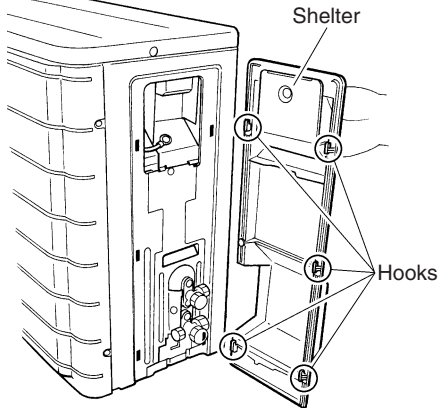
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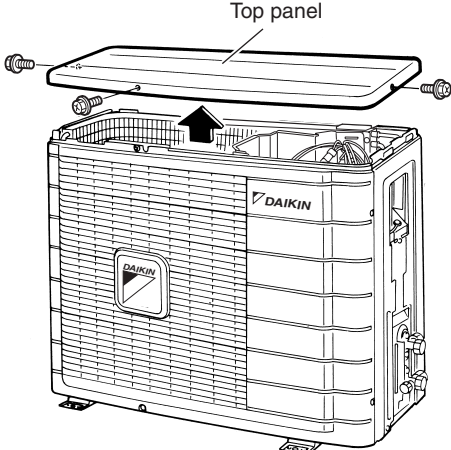
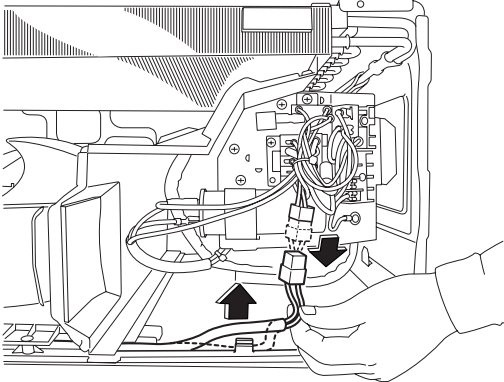
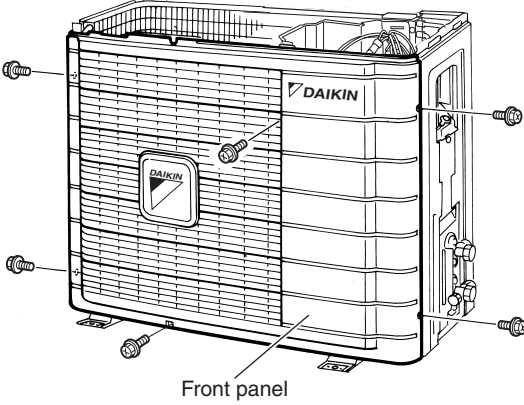
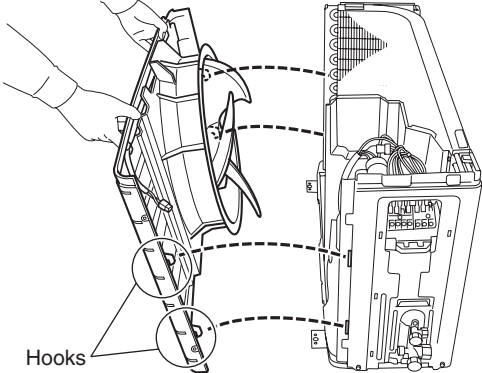
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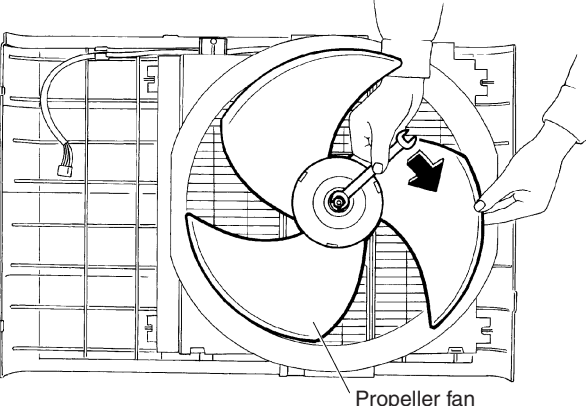
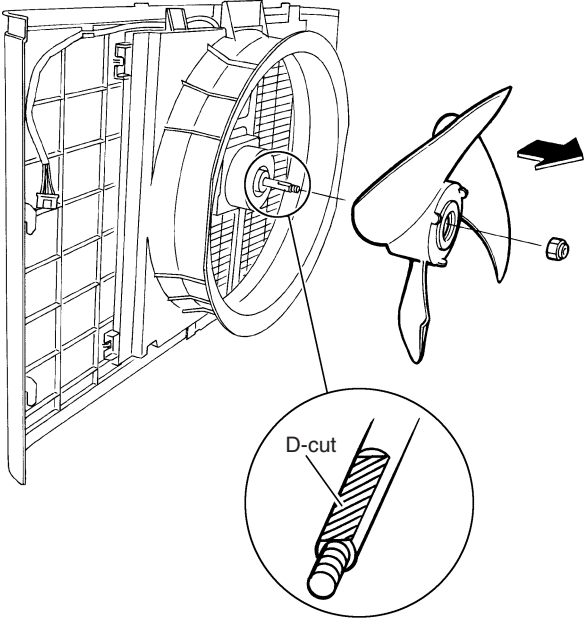
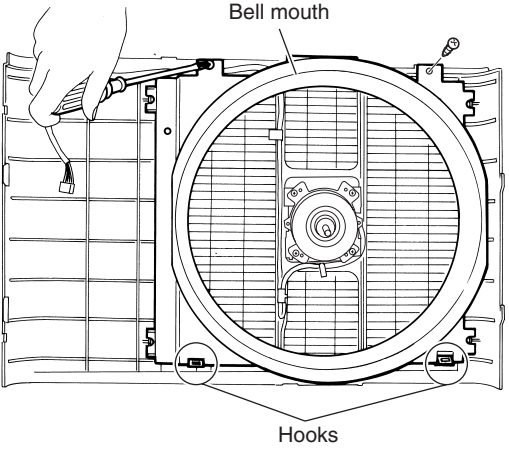
1. Procedure to Remove Panels and Fan Motor

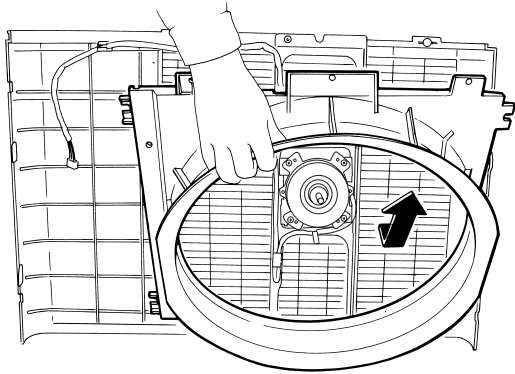
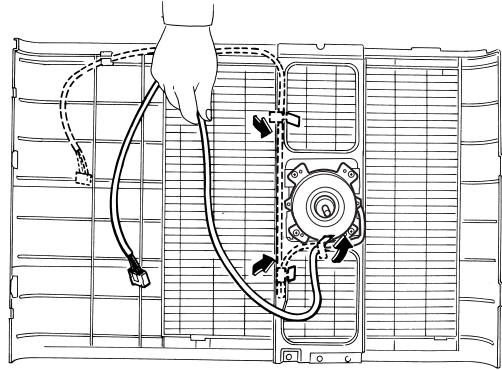
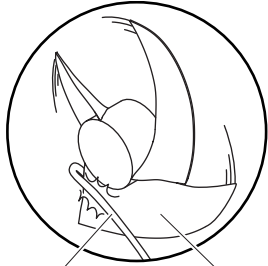
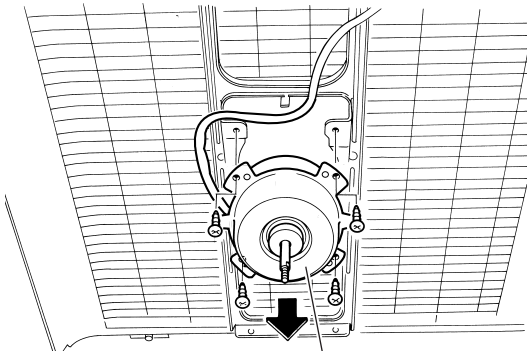
Procedure

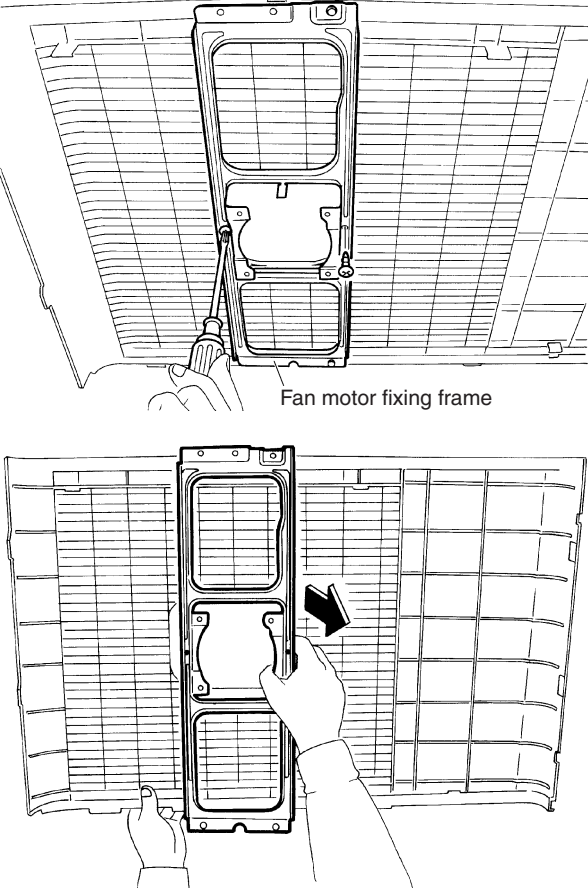
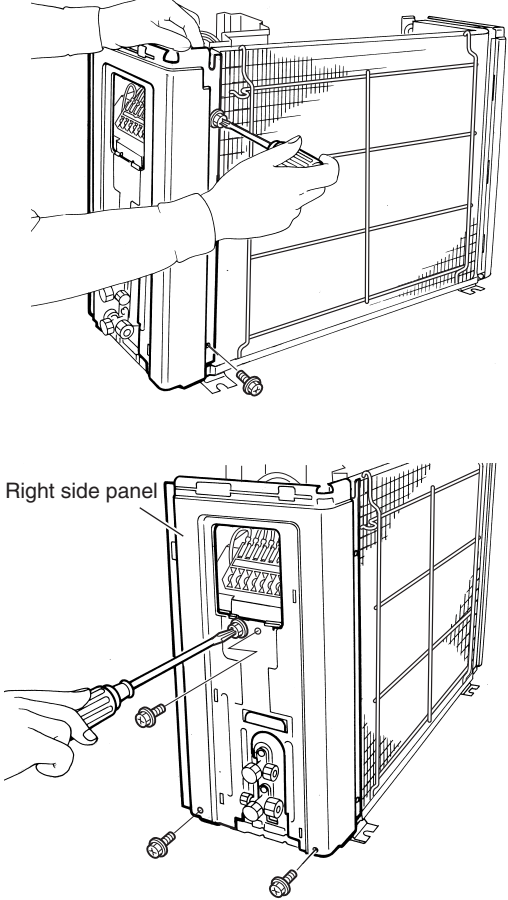
 **Warning** Be sure to wait for 10 minutes or more after turning off all power supplies before disassembling work.

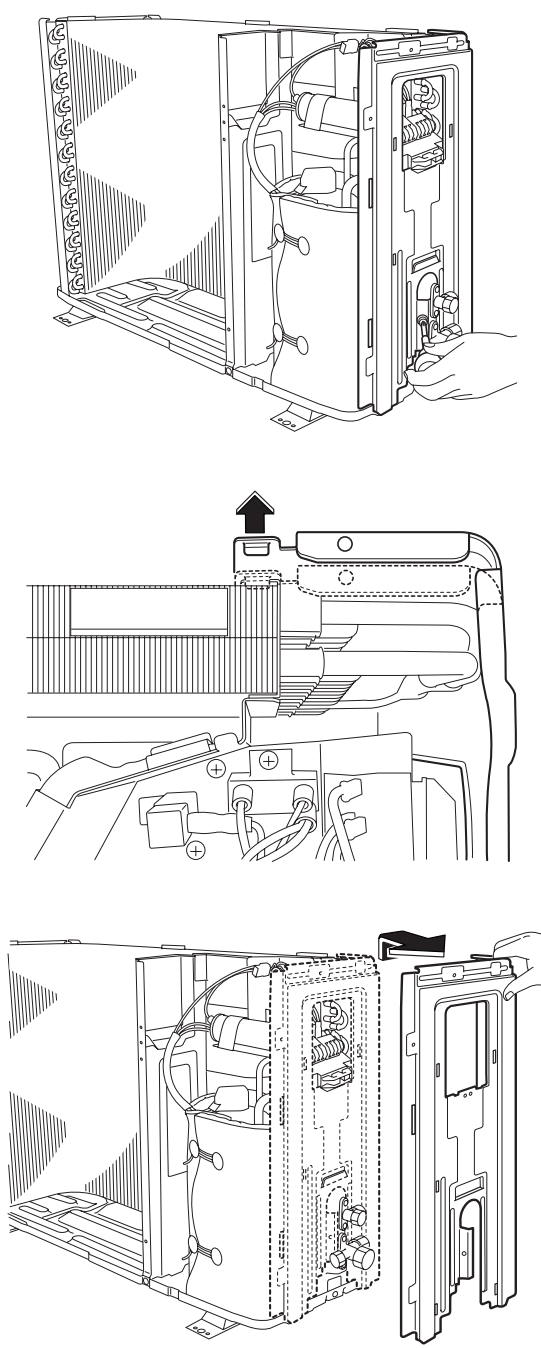
Step	Procedure	Points
1. Features	   	<ul style="list-style-type: none"> ■ Take care not to cut your finger by the fins of the heat exchanger. ■ The stop valve cover is united with the shelter. ■ When reassembling, make sure to fit the 5 hooks.

Step	Procedure	Points
2. Remove the panels.		
1	<p>Loosen the 3 screws (front, right, left) and lift the top panel.</p> 	
2	<p>Disconnect the connector for fan motor.</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> 	
4	<p>Undo the hooks. Pull and remove the front panel.</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
<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 spanner.</p>  <p>2 Remove the propeller fan.</p>  <p>3 Loosen the 2 screws and lift the bell mouth to undo the hooks. Remove the bell mouth.</p> 	<ul style="list-style-type: none"> ■ The screw has reverse winding. ■ Align ▼ mark of the propeller fan with D-cut section of the motor shaft when reassembling.

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)  <p style="text-align: center;">Lead wire Propeller fan</p>
5	Loosen the 4 screws to remove the fan motor.	 <p style="text-align: center;">Fan motor</p>	<ul style="list-style-type: none"> ■ M4x16 ■ AC fan motor

Step	Procedure	Points
6	<p>Loosen the 2 screws to remove the fan motor fixing frame.</p>  <p style="text-align: center;">Fan motor fixing frame</p>	
4.	<p>Remove the right side panel.</p> <p>1 Loosen the 2 screws on the rear side.</p> <p>2 Loosen the 4 screws on the right side.</p>  <p style="text-align: center;">Right side panel</p>	

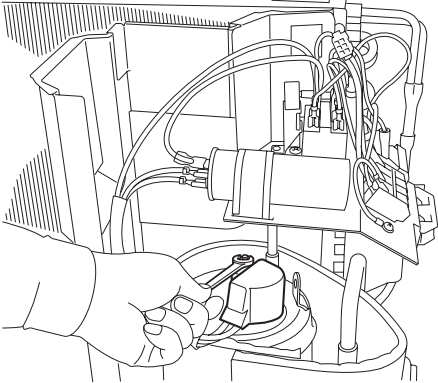
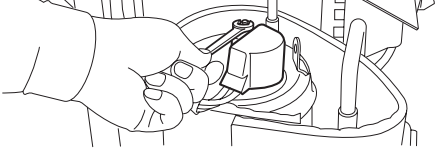
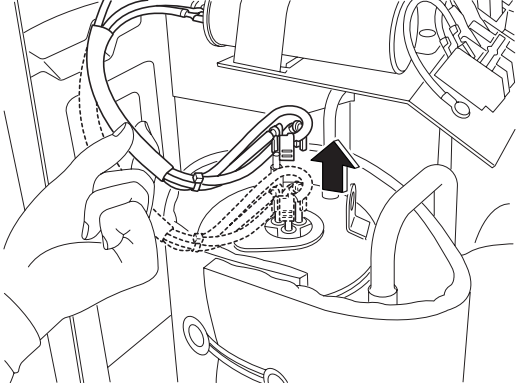
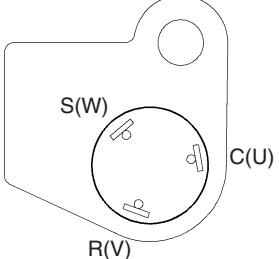
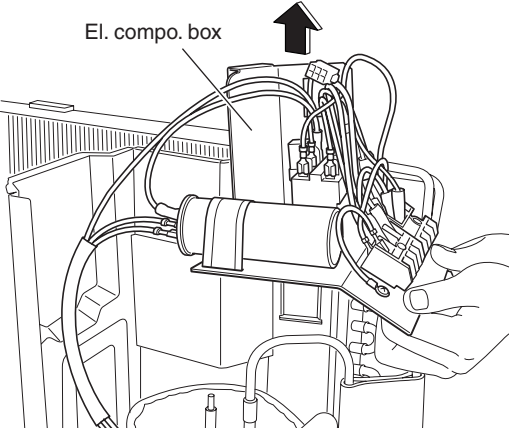
Step	Procedure	Procedure	Points
3	Loosen the screw and lift the connection port to remove.		<ul style="list-style-type: none">■ When reassembling, make sure to fit the hook.

2. Procedure to Remove El. Compo. Box

Procedure



Warning Be sure to wait for 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>1. Remove the el. compo. box.</p>		
<p>1 Remove the terminal cover.</p>		
<p>2 Disconnect the compressor lead wire.</p>		 <p>S(W) : Yellow C(U) : Blue R(V) : Red</p>
<p>3 Lift and remove the el. compo. box.</p>		

3. Procedure to Remove Sound Blanket

Procedure



Warning Be sure to wait for 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 el. compo. box. 		<ul style="list-style-type: none"> ■ Since the piping ports on the sound blanket are torn easily, remove the blanket carefully.
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.		

4. Procedure to Remove Compressor

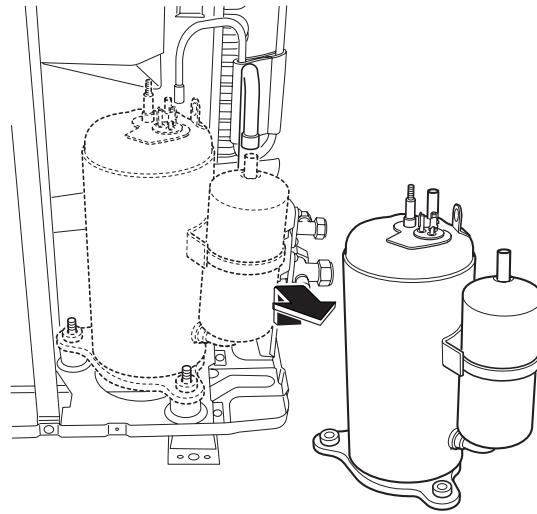
Procedure



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 compressor.		<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>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>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 outdoor 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	Lift the compressor up and remove it.	



Revision History

Month / Year	Version	Revised contents
01 / 2013	Si241320	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.



JMI-0107

Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF
COMMERCIAL AIR CONDITIONING, HEATING, COOLING,
REFRIGERATING EQUIPMENT, HEATING EQUIPMENT,
RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT
RECLAIM VENTILATION, AIR CLEANING EQUIPMENT,
COMPRESSORS AND VALVES.



JQA-1452

Organization:
DAIKIN INDUSTRIES
(THAILAND) LTD.

Scope of Registration:
THE DESIGN/DEVELOPMENT
AND MANUFACTURE OF AIR
CONDITIONERS AND THE
COMPONENTS INCLUDING
COMPRESSORS USED FOR THEM



EC99J2044

All of the Daikin Group's business facilities and subsidiaries in Japan are certified under the ISO 14001 international standard for environment management.

Dealer

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