




REMOVAL PROCEDURE



SERVICE
MANUAL

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

4/5/6 HP Class

-  Outdoor Unit
-  Inverter
-  Multi Type



Service Manual Removal Procedure

Outdoor Unit

Applicable Models

●Heat Pump

RXYSQ4P7Y1B

RXYSQ5P7Y1B

RXYSQ6P7Y1B

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1. Procedure to Remove Outside Panels

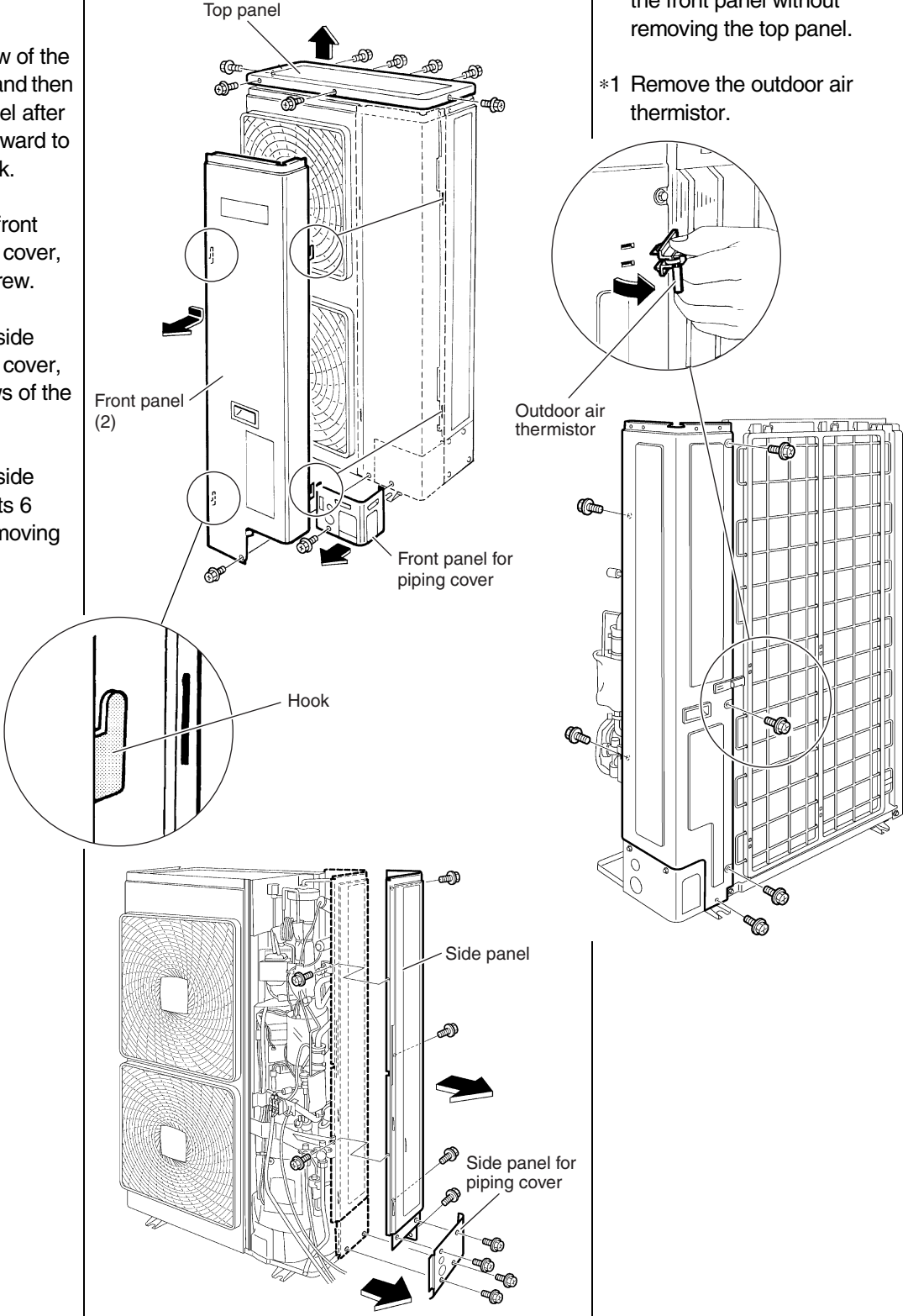
Procedure



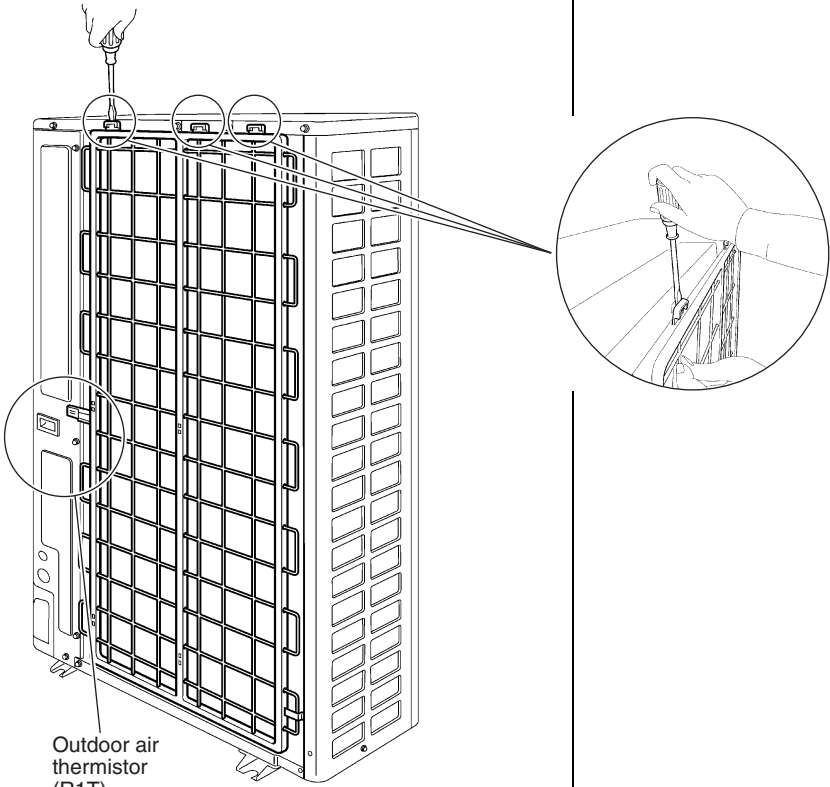
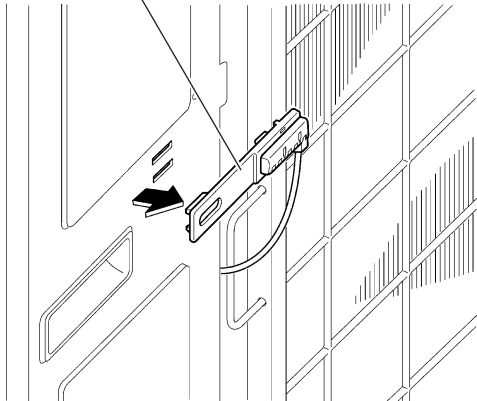
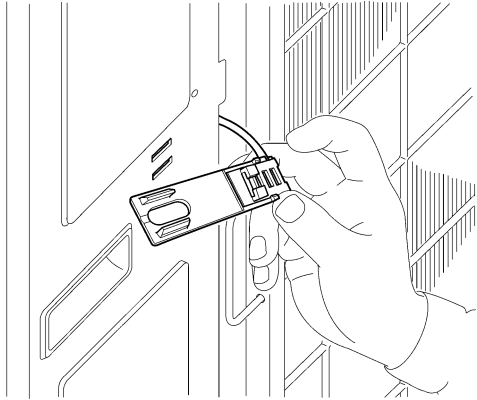
Warning

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

Step	Procedure	Points
1	Remove 8 screws of the top panel.	<ul style="list-style-type: none"> It is possible to remove only the front panel without removing the top panel.
2	Remove 1 screw of the front panel (2), and then remove the panel after pushing it downward to release the hook.	<ul style="list-style-type: none"> *1 Remove the outdoor air thermistor.
3	To remove the front panel for piping cover, remove its 1 screw.	
4	To remove the side panel for piping cover, remove 4 screws of the side panel.	
5	To remove the side panel, remove its 6 screws after removing the outdoor air thermistor (*1).	



Step	Procedure	Points
<p>6 Remove the discharge grill after removing its 4 screws and releasing its 4 hooks.</p> <p>7 Remove the front panel (1) after removing its 7 screws and pushing it upward.</p>	<p>Front panel (1)</p> <p>Discharge grill</p>	<p>Hook</p> <p>■ On the rear side of the front panel (1), a reinforce plate is attached. Be careful not to lose it while removing the front panel (1).</p> <p>Reinforce plate</p>

Step	Procedure	Points
8	<p>Remove the heat exchanger cover after releasing its 3 hooks with a minus driver.</p>  <p>Outdoor air thermistor (R1T)</p>	
9	<p>Remove the outdoor air thermistor after pulling it to the near side and sliding to the right.</p> 	
10	<p>The figure in the right is of rear side view.</p> 	

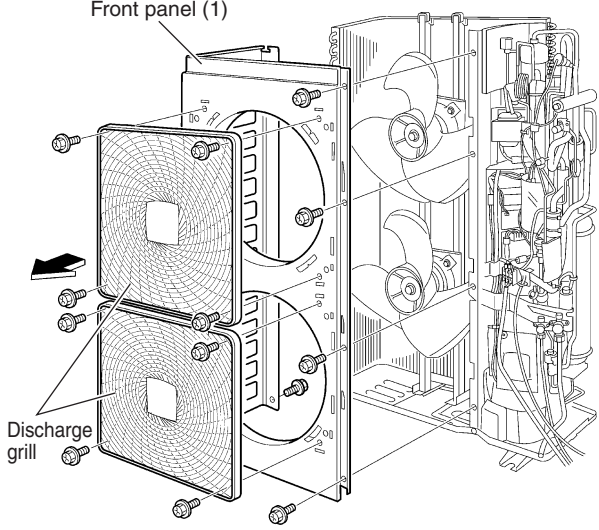
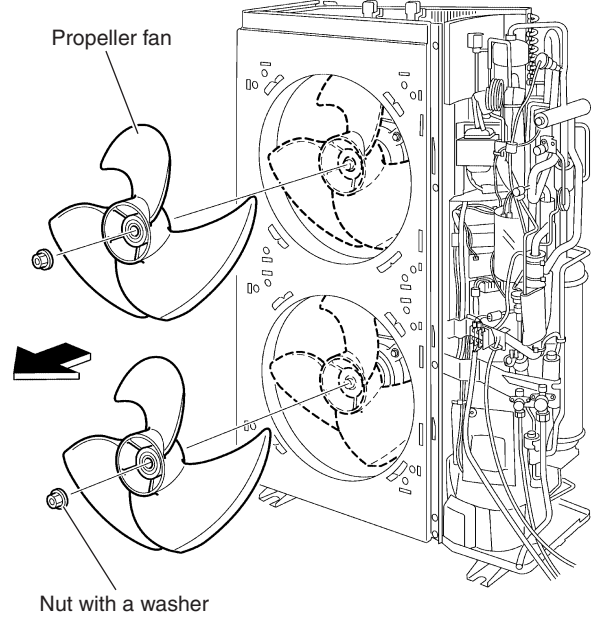
2. Procedure to Remove Propeller Fan and Fan Motor

Procedure



Warning

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

Step	Procedure	Points
<p>■ Remove the discharge grill, front panel and front panel for piping cover, according to the "Procedure to Remove Outside Panels".</p>	 <p>Front panel (1)</p> <p>Discharge grill</p>	
<p>1 Remove the nuts with a washer, which fixing the propeller fan.</p>	 <p>Propeller fan</p> <p>Nut with a washer</p>	

Step	Procedure	Points
<p>2 Remove the clamp material.</p> <p>3 Remove the 4 fixing screws for fan motor and then remove the fan motor.</p>	<p>Lead wire for fan motor</p> <p>Earth wire</p> <p>Fan motor</p> <p>Clamp material</p> <p>D cut</p> <p>Mount the fan motor with its mark "●" positioned toward the bottom.</p>	<ul style="list-style-type: none"> ■ Pull off the connector while supporting its body and pushing the engaging click, without pulling its lead wires. ■ Caution on mounting the motor If the motor lead wires are not fixed by using the clamp material, it may always damage the lead wire because the lead wires twined around the fan. <p>Lead wire Propeller fan</p> <ul style="list-style-type: none"> ■ When mounting the propeller fan, make the D cut correspond to the hole of the fan.

3. Procedure to Remove Compressor

Procedure

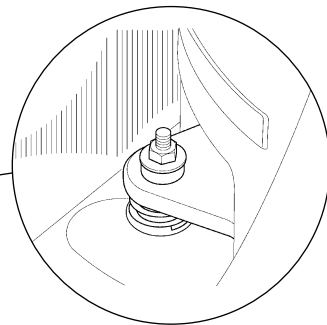
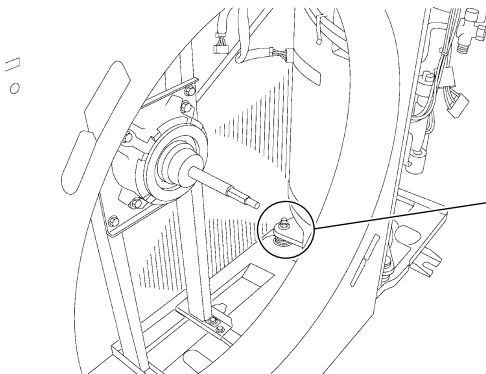
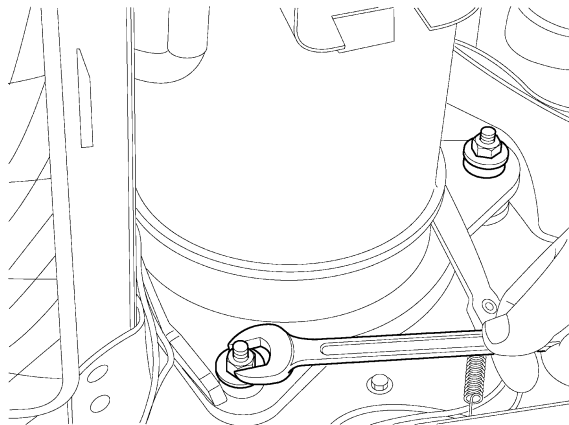
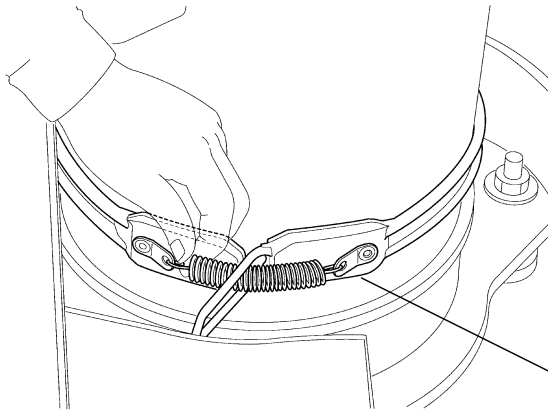
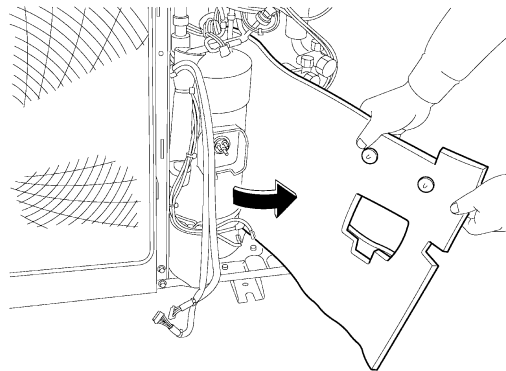


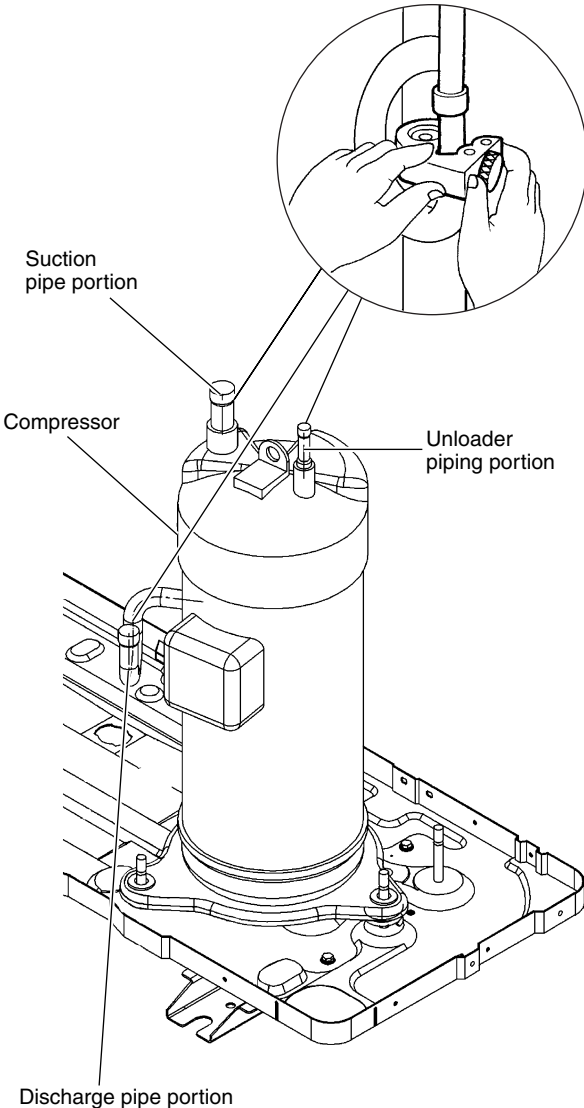
Warning

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

Step	Procedure	Points
<p>■ Remove the outside panels, electrical component, and compressor fixing panel, according to the "Procedure to Remove Outside Panels"</p>	<p>Sound insulation for the terminal cover</p>	
<p>1. Pull off the lead wire of compressor.</p>	<p>Terminal cover</p>	
<p>1 Open upward the sound insulation for the terminal cover.</p> <p>2 Remove the terminal cover with a minus driver, etc.</p> <p>3 Remove the terminals for the compressor with a round nose chain pliers with side cutters, etc.</p>	<p>Blue color: N</p> <p>White color: Blank</p> <p>Red color: S</p> <p>Lead wire to the compressor</p>	

Step	Procedure	Points
4	Remove the sound insulation for the compressor.	
5	Remove the crankcase heater under the compressor.	
6	Remove the 3 fixing bolts of the compressor.	<p>Pull the spring to trip the catch.</p> <ul style="list-style-type: none"> ■ You can see the far side fixing bolts when the bottom discharge grill is removed. Remove the bolt (s) in view first.



Step	Procedure	Points
<ul style="list-style-type: none"> ■ Make sure that there is no refrigerant gas left within the refrigerant circuit system before performing the operation 		
7	<p data-bbox="199 385 464 544">Cut off the suction pipe, discharge pipe and unloader pipe of compressor with a pipe cutter (3 places).</p> 	<ul style="list-style-type: none"> ■ The cutting part is in the compressor side relative to the brazing part. ■ Preliminarily cut off with a gas welder, a part of the piping from the end side to the soldered portion, which have remained after being cut using a pipe cutter, before replacing with a new compressor. <div data-bbox="1106 663 1445 831" style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">Warning</p> <p>Refrigerant oil in the compressor may catch fire, so prepare wet cloth so as to extinguish a fire rapidly.</p> </div> <div data-bbox="1106 898 1445 1093" style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">Warning</p> <p>If refrigerant gas leaks during operation, ventilate the room. (The exposure of refrigerant gas to a fire causes generates toxic gas.)</p> </div> <div data-bbox="1106 1151 1445 1301" style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">Caution</p> <p>Do not suffer burns due to contact with piping etc. heated by a gas welder.</p> </div>

Revision History

Month / Year	Version	Revised contents
07 / 2013	Si341305E	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.



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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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