




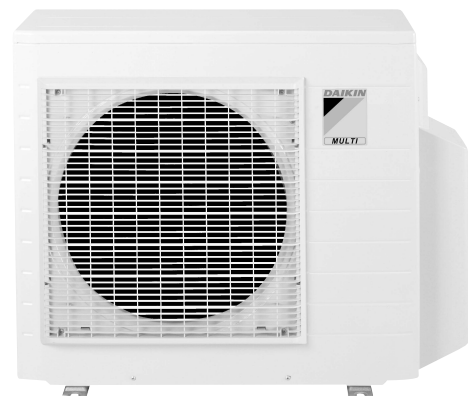
REMOVAL PROCEDURE



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

5.6 kW Class

-  Outdoor Unit
-  Non-Inverter
-  Multi Type



Service Manual Removal Procedure

Outdoor Unit

●Cooling Only
2M56GV1G

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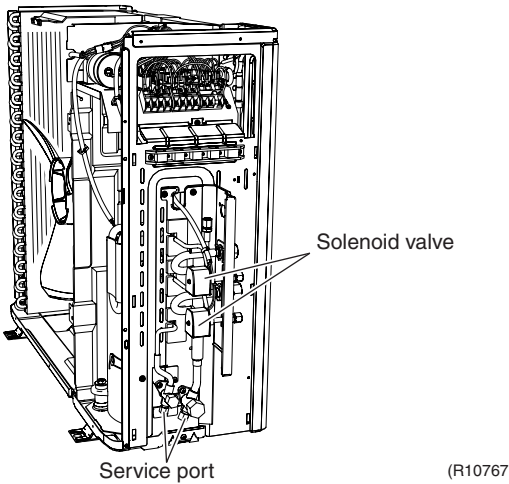
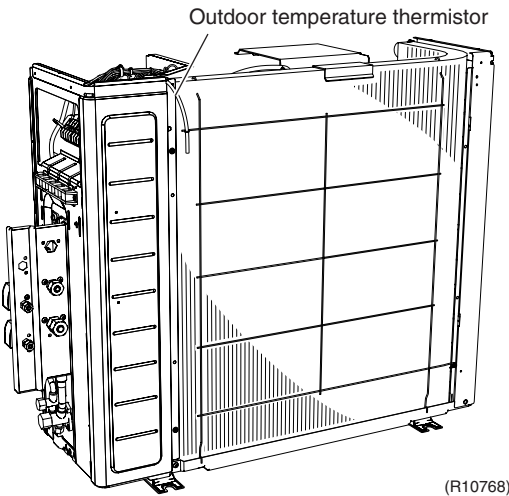
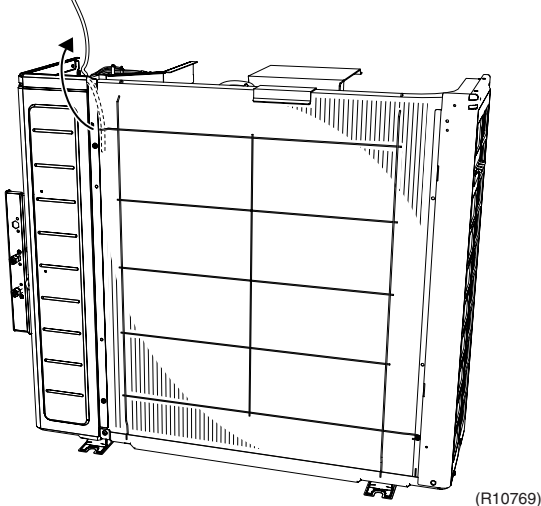
1. Removal of Electrical Component ASSY

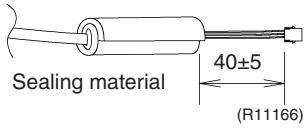
Procedure

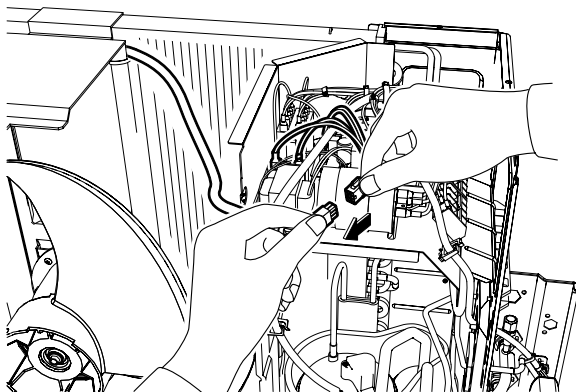
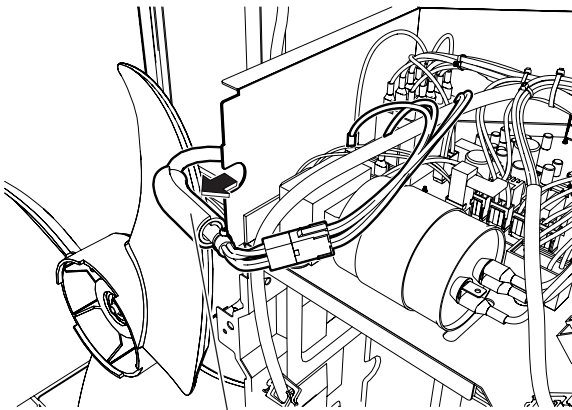
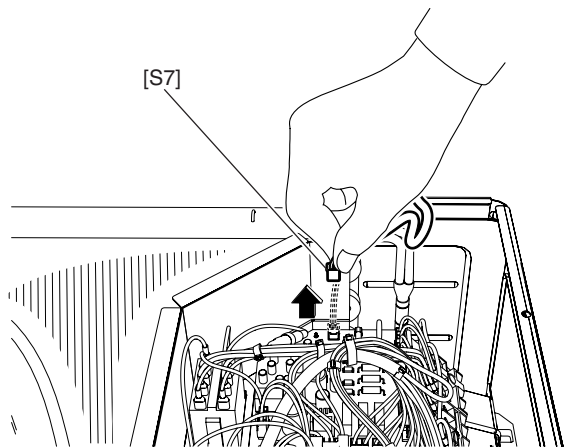
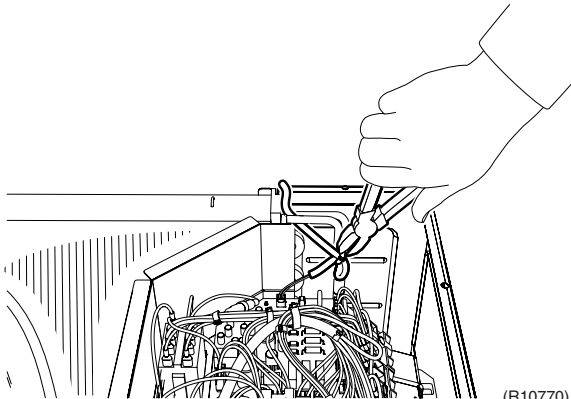


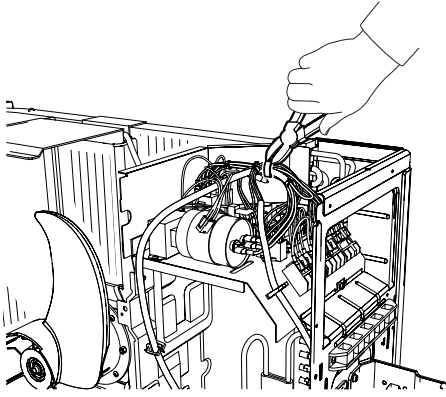
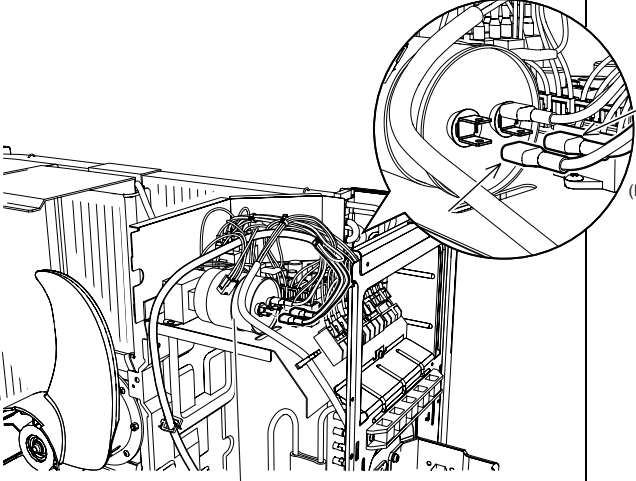
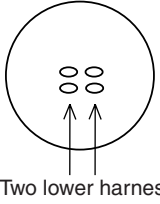
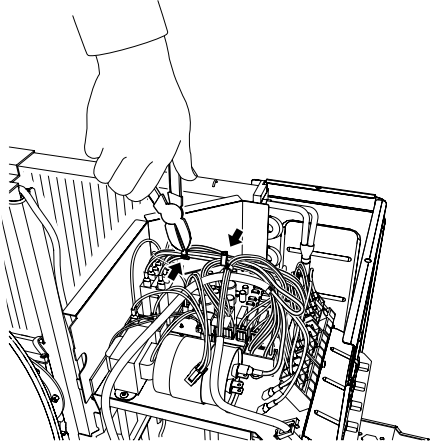
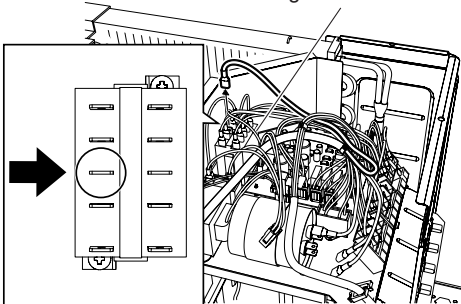
Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

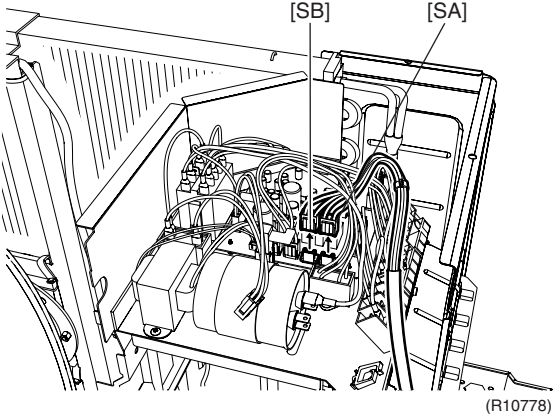
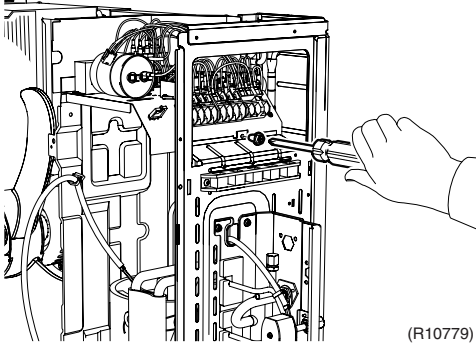
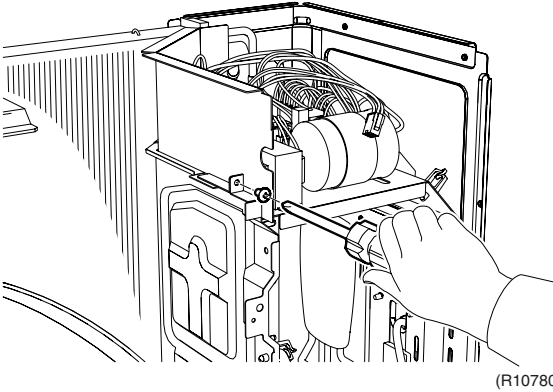
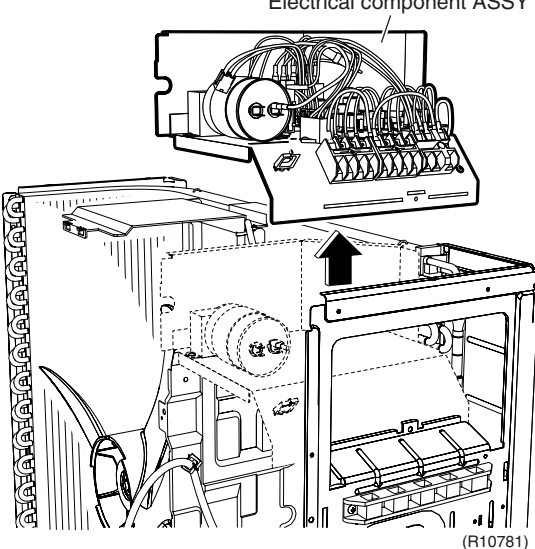
Step	Procedure	Points
1. Removal of the outer panels	<p>(R10764)</p>	
1 External appearance	<p>(R10765)</p>	
3 Remove the 2 screws of the stop valve cover.	<p>(R10766)</p>	

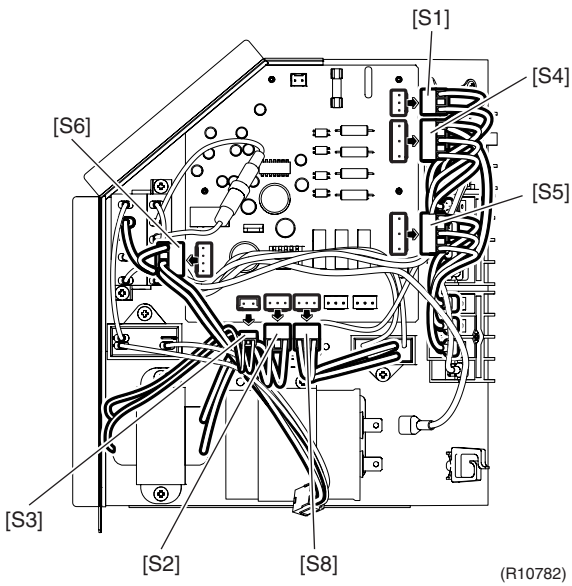
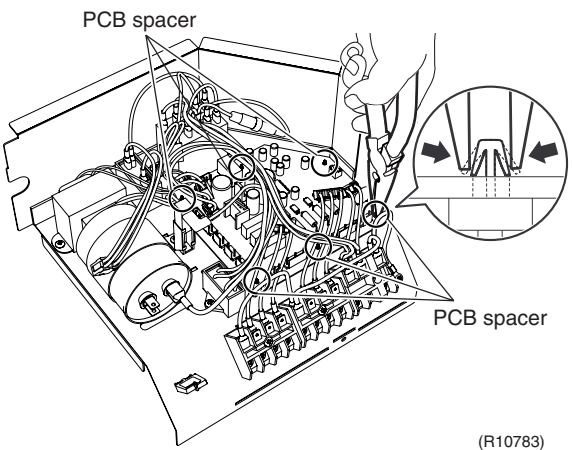
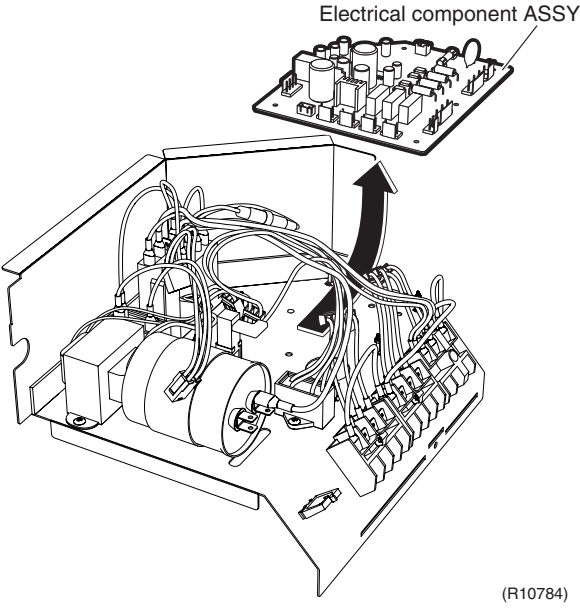
Step	Procedure	Points
2.	Removal of the electrical component ASSY.	
1	<p data-bbox="199 280 438 313">Internal appearance</p>  <p data-bbox="622 705 742 739">Service port</p> <p data-bbox="965 705 1045 739">(R10767)</p>  <p data-bbox="710 772 1013 806">Outdoor temperature thermistor</p> <p data-bbox="965 1243 1045 1276">(R10768)</p>	
2	<p data-bbox="199 1288 470 1388">Release the outdoor temperature thermistor from the hook.</p>  <p data-bbox="981 1825 1061 1859">(R10769)</p>	

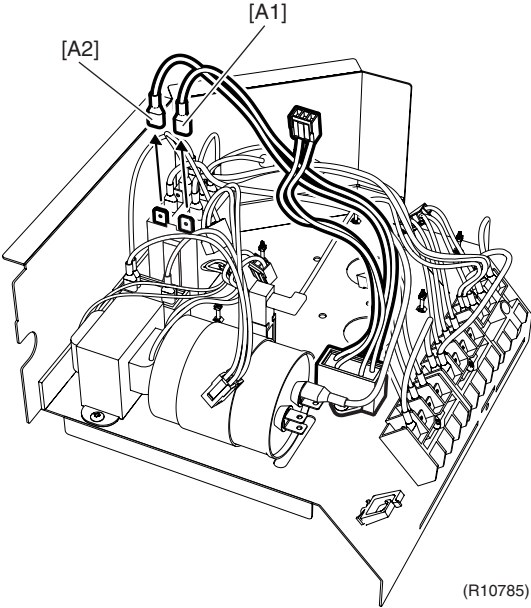
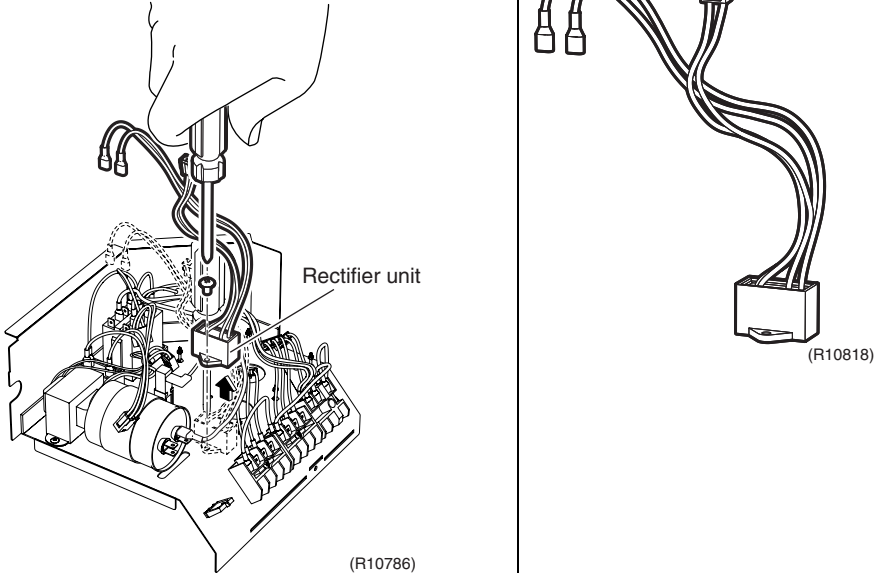
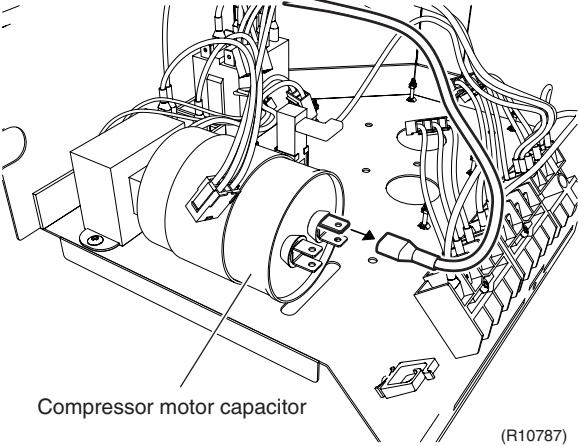
Step	Procedure	Points
3	Cut the clamp.	
4	Disconnect the connector for the outdoor temperature thermistor [S7] from the PCB.	
5	Unhook the sealing material of the fan motor lead wire from the hook.	<p>■ The sealing material should be mounted as below.</p>  <p>Sealing material 40 ± 5 (R11166)</p>
6	Disconnect the relay connector for the fan motor.	

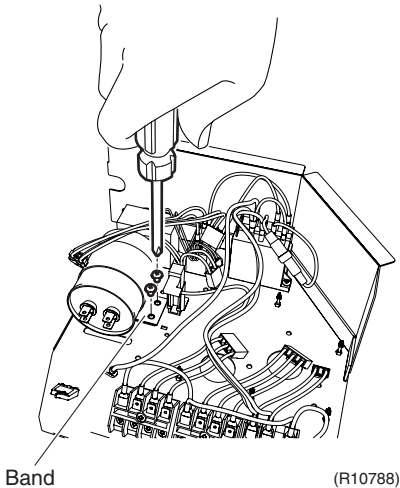
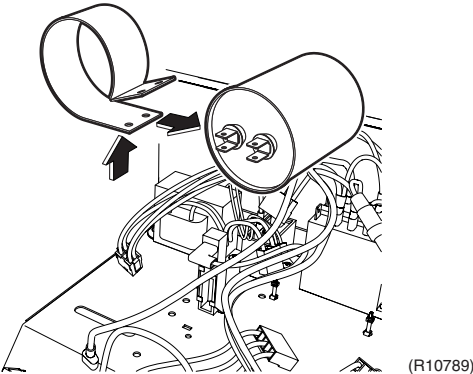
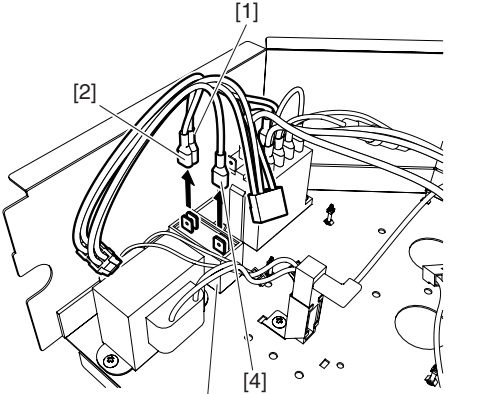
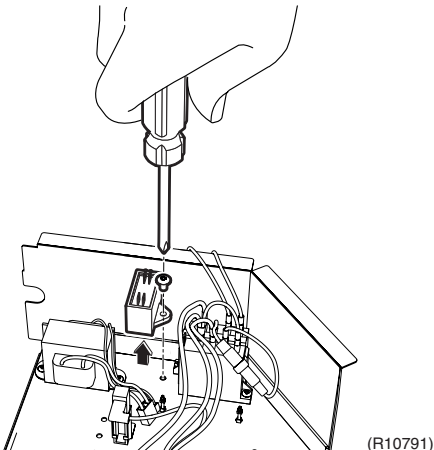


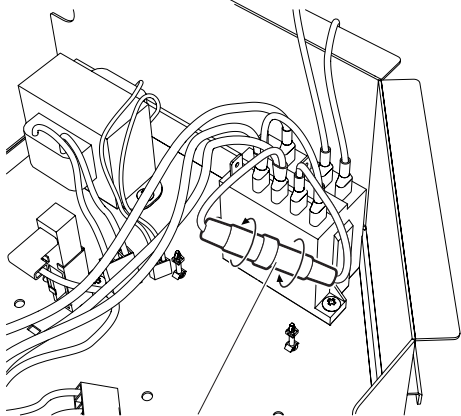
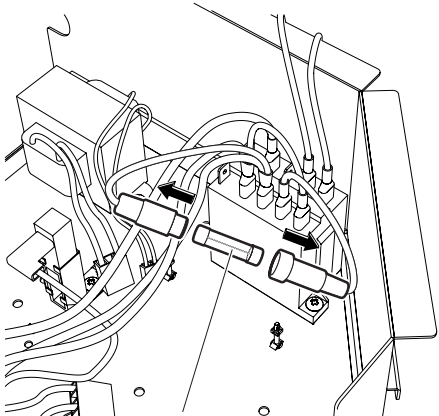
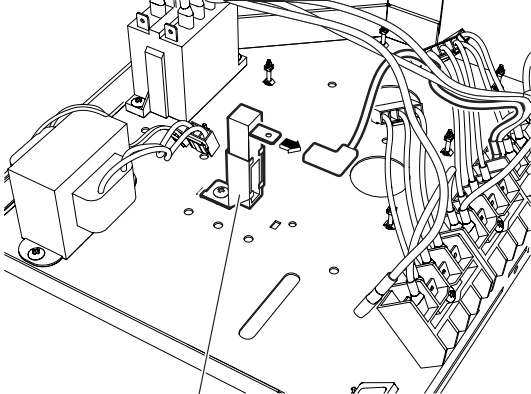
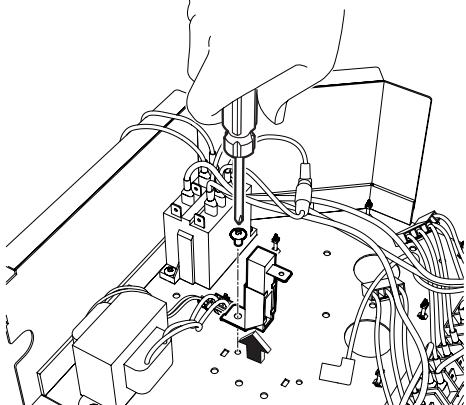
Step	Procedure	Points
7	Cut the clamp.	 <p>(R10773)</p>
8	Disconnect the 2 lower harness of the compressor motor capacitor.	 <p>Compressor motor capacitor (R10774)</p> <p>(R10775)</p>  <p>Two lower harness</p>
9	Cut the 2 clamps.	 <p>(R10776)</p>
10	Disconnect the harness [6] from the magnetic contactor.	 <p>Magnetic contactor</p> <p>(R10777)</p>

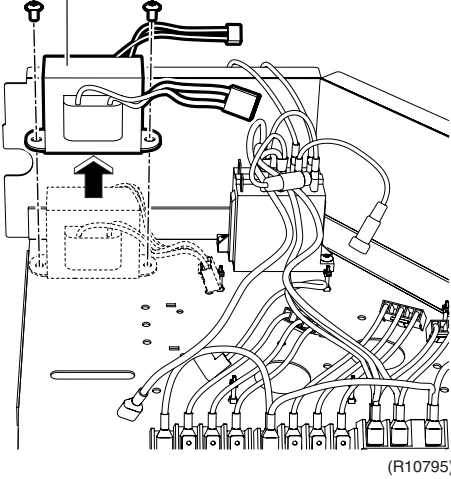
Step	Procedure	Points
11	Disconnect the connectors [SA] and [SB].	[SA]: white [SB]: red
	 <p>(R10778)</p>	
12	Remove the fixing screw of the electrical component ASSY (on the right side).	
	 <p>(R10779)</p>	
13	Remove the fixing screw of the electrical component ASSY (in the front side).	
	 <p>(R10780)</p>	
14	Lift up and remove the electrical component ASSY.	
	 <p>Electrical component ASSY</p> <p>(R10781)</p>	

Step	Procedure	Points
<p>3. Removal of the PCB</p> <p>1</p>	<p>Disconnect the connectors [S6], [S3], [S2], [S8], [S5], [S4], [S1].</p>  <p>(R10782)</p>	<p>[S1]: power supply [S2], [S3]: high frequency transformer [S4], [S5]: indoor unit (room A, room B) [S6]: fan motor [S8]: rectifier unit</p>
<p>2</p>	<p>Release the 6 PCB spacer.</p>  <p>(R10783)</p>	
<p>3</p>	<p>Lift up and remove the PCB from the electrical component ASSY.</p>  <p>(R10784)</p>	

Step	Procedure	Points
<p>4. Removal of the rectifier unit</p>	<p>1 Disconnect the harness [A1], [A2] from the magnetic contactor.</p>  <p>(R10785)</p> <p>2 Remove the screw. Remove the rectifier unit.</p>  <p>(R10786)</p> <p>(R10818)</p>	
<p>5. Removal of the compressor motor capacitor</p>	<p>1 Disconnect the harness from the compressor motor capacitor.</p>  <p>(R10787)</p>	

Step	Procedure	Procedure	Points
2	Remove the screws from the band.	 <p>Band (R10788)</p>	
3	Remove the compressor motor capacitor.	 <p>(R10789)</p>	
6. Removal of the fan motor capacitor			
1	Disconnect the 3 connectors [1], [2], [4] from the fan motor capacitor.	 <p>Fan motor capacitor (R18643)</p>	
2	Remove the screw. Remove the fan motor capacitor.	 <p>(R10791)</p>	

Step	Procedure	Points
7. Removal of the fuse		
<p>1 Open the fuse cover.</p>	 <p>Fuse cover (R10792)</p>	
<p>2 Take the fuse out from the fuse cover.</p>	 <p>Fuse (R10816)</p>	
8. Removal of the surge absorber		
<p>1 Disconnect the harness from the surge absorber.</p>	 <p>Surge absorber (R10793)</p>	
<p>2 Remove the screw. Remove the surge absorber.</p>	 <p>(R10794)</p>	

Step	Procedure	Points
9. Removal of the high frequency transformer		
1	<p data-bbox="204 286 459 383">Remove the 2 screws. Remove the high frequency transformer.</p> <p data-bbox="571 253 834 275">High frequency transformer</p>  <p data-bbox="943 757 1007 779">(R10795)</p>	

2. Removal of Solenoid Valve Coil ASSY

Procedure



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

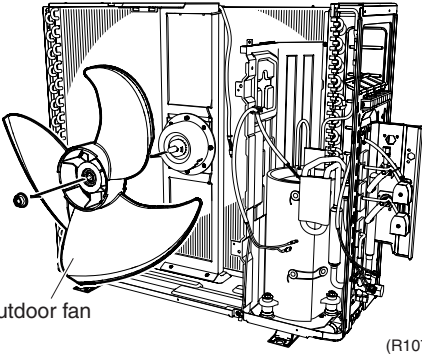
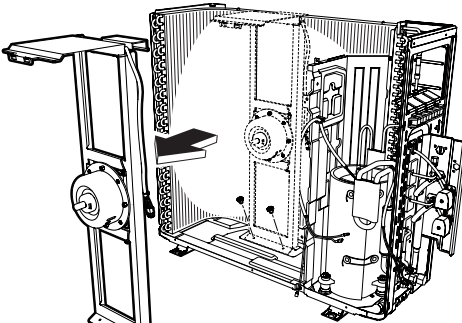
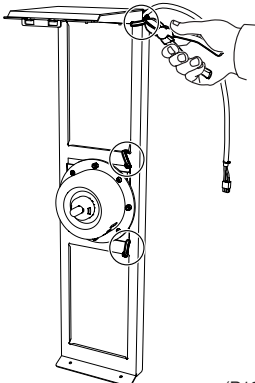
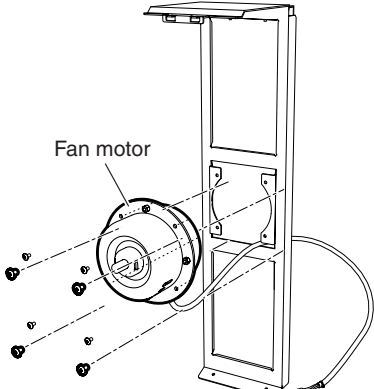
Step	Procedure	Points
1	Cut the clamp.	
	<p style="text-align: right;">(R10796)</p>	
2	Remove the screws from the solenoid valve coil ASSY.	
	<p style="text-align: right;">(R10797)</p>	
3	Remove the solenoid valve coil ASSY.	
	<p style="text-align: right;">(R10798)</p>	

3. Removal of 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. Removal of the outdoor fan	 <p>(R10799)</p>	■ Wrench size: 10mm
2. Removal of the fan motor	 <p>Fan motor stand ASSY (R10800)</p>	
1	Remove the 2 screws. Remove the fan motor stand ASSY.	
2	Cut the clamps at 3 locations.	
3	 <p>(R10801)</p>	
3	Remove the 4 screws. Remove the fan motor.	
3	 <p>Fan motor (R10802)</p>	

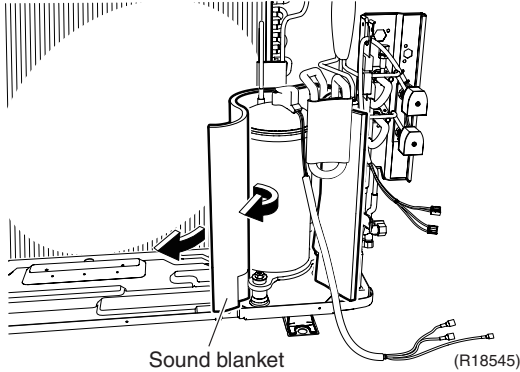
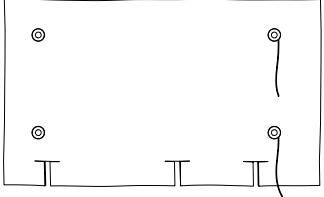
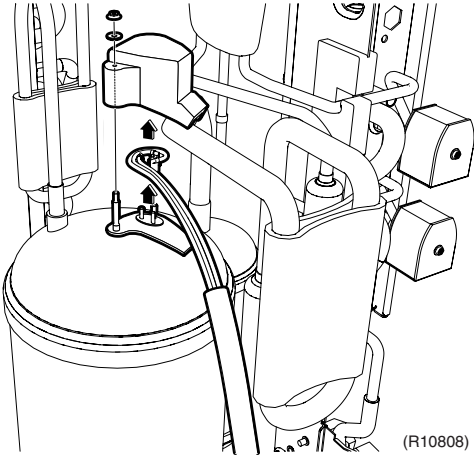
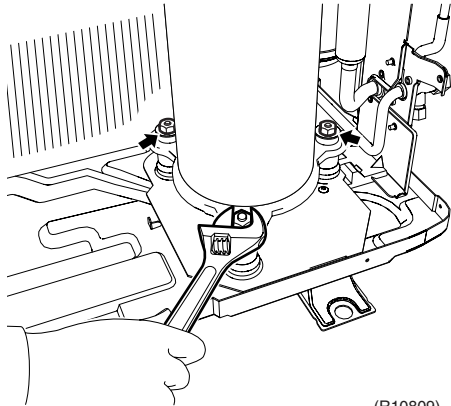
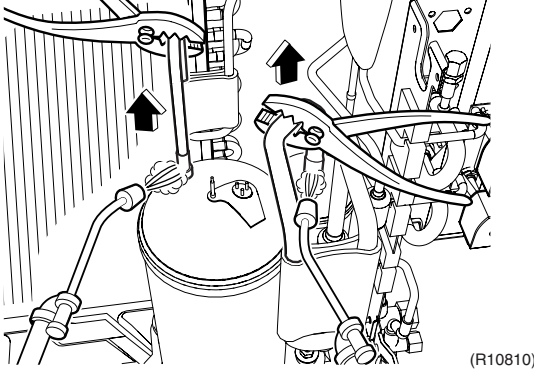
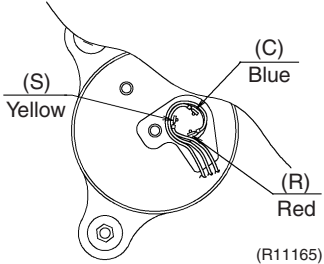
4. Removal of Sound Blankets / Compressor

Procedure



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Step	Procedure	Points
1. Removal of the right side panel	<div data-bbox="603 416 916 763" data-label="Image"> </div> <p data-bbox="676 781 956 808">Right side panel (R10803)</p> <div data-bbox="660 853 836 1272" data-label="Image"> </div> <p data-bbox="836 1249 900 1272">(R10804)</p>	
2. Removal of the partition plate	<div data-bbox="520 1317 932 1675" data-label="Image"> </div> <p data-bbox="743 1317 871 1344">Partition plate</p> <p data-bbox="751 1675 1043 1702">Compressor lead wire (R10805)</p> <div data-bbox="628 1774 932 2119" data-label="Image"> </div> <p data-bbox="887 2101 956 2123">(R10806)</p>	

Step	Procedure	Points
<p>3. Removal of the sound blankets</p>	<p>1 Untie and remove the sound blankets.</p> 	 <p>(R10817)</p>
<p>4. Removal of the compressor</p> <p>1 Remove the flange nut and open the terminal cover. Release the compressor lead wire.</p> <p>2 Unscrew the 3 nuts.</p> <p>3 Heat up and disconnect the brazed parts.</p> <p>Warning Since it may happen that refrigerant oil in the compressor catches fire, prepare wet cloth so as to extinguish fire immediately.</p> <p>Warning Ventilate when refrigerant leaks during the work. (If refrigerant contacts fire, it causes to arise toxic gas.)</p> <p>Caution From the viewpoint of global environment protection, do not discharge the refrigerant gas in the atmosphere. Make sure to recover the refrigerant gas with the recovery system.</p>	  	 <p>(R11165)</p> <p>Reassembling precautions</p> <ul style="list-style-type: none"> Use non-oxidizing brazing method. If nitrogen gas is not available, braze the parts speedily. In pulling the pipes, be careful not to over-tighten them with pliers. The pipes may get deformed. <p>In case of the difficulty with a gas brazing machine</p> <ol style="list-style-type: none"> Disconnect the brazed part where is easy to disconnect and restore. Cut pipes on the main unit by a tube cutter in order to make it easy to disconnect. <p>Note: Do not use a metal saw for cutting pipes by all means because the sawdust come into the circuit.</p> <ul style="list-style-type: none"> The brazed parts are hot after being disconnected. To avoid a burn, make sure that the compressor is cooled down before removing.

Revision History

Month / Year	Version	Revised contents
02 / 2013	Si11-990	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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