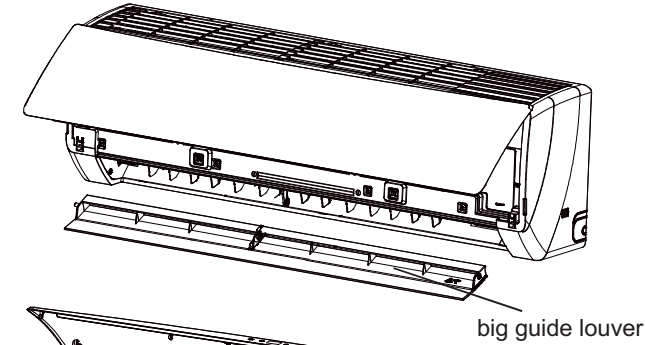
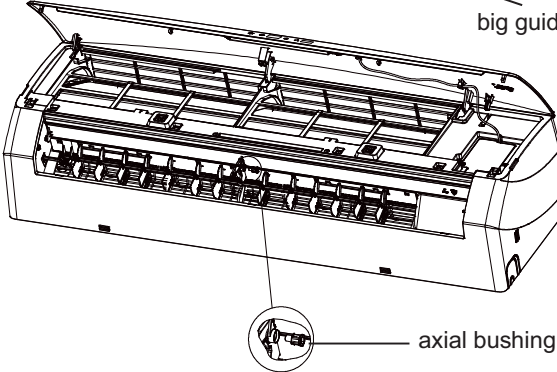
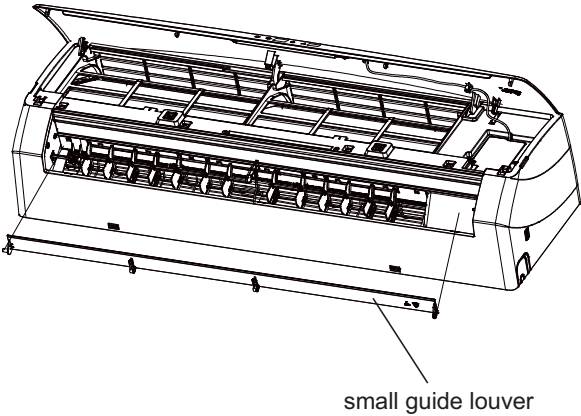
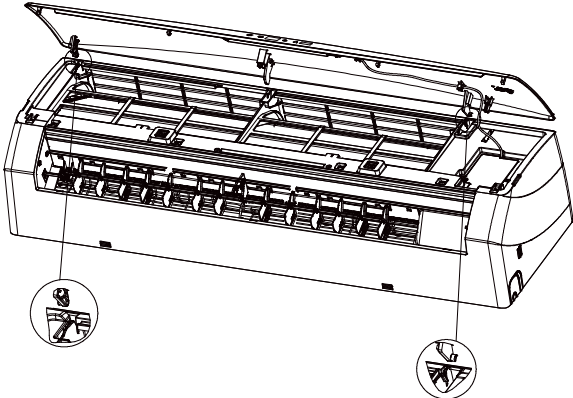
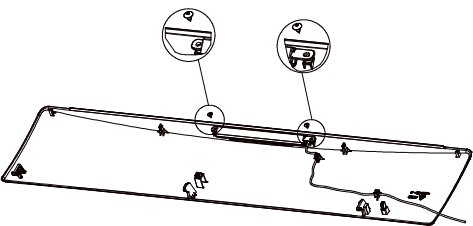
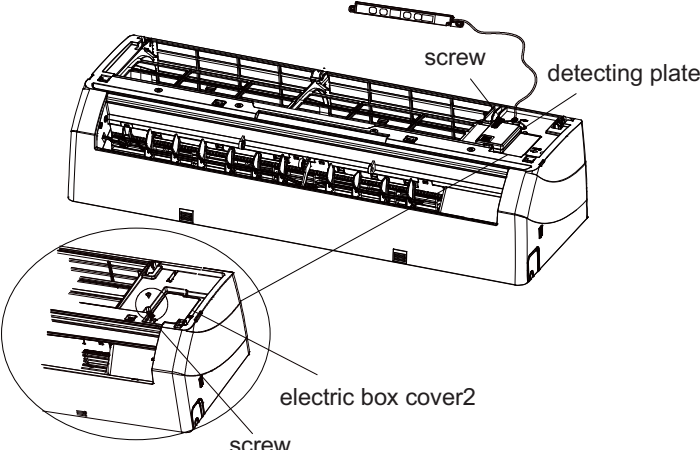
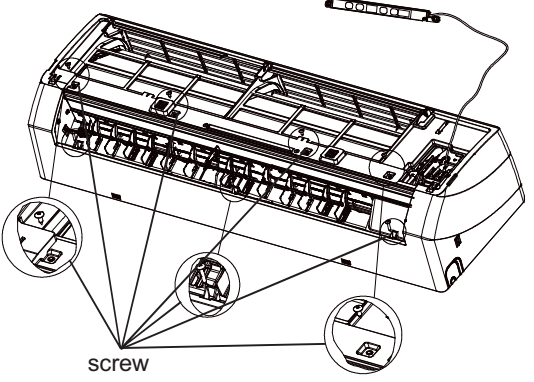
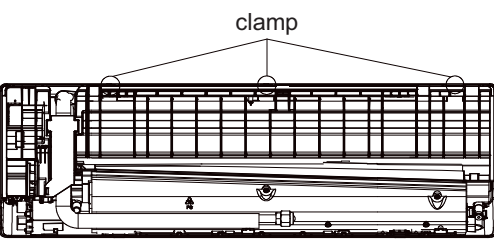
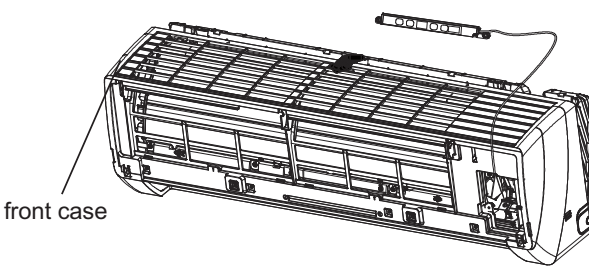
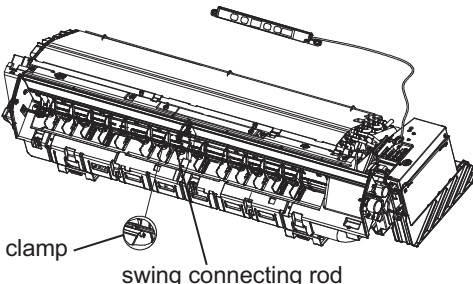
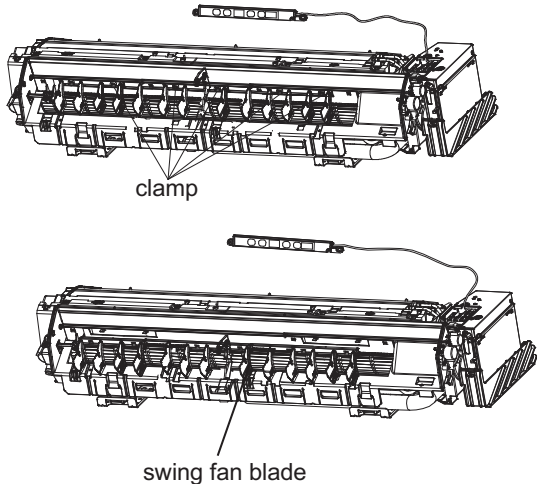
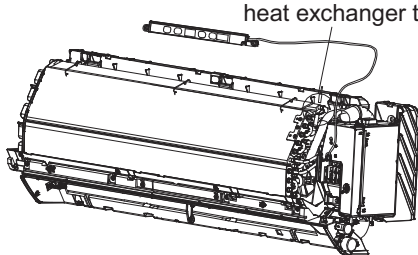
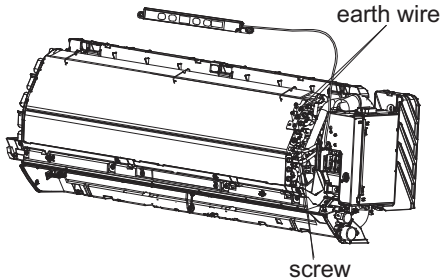


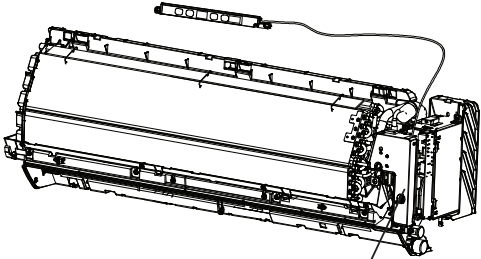
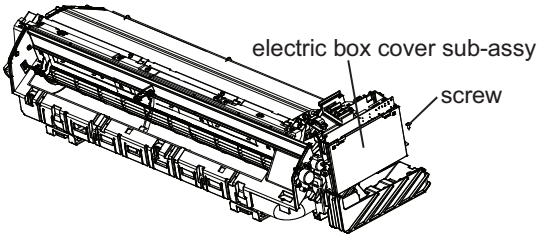
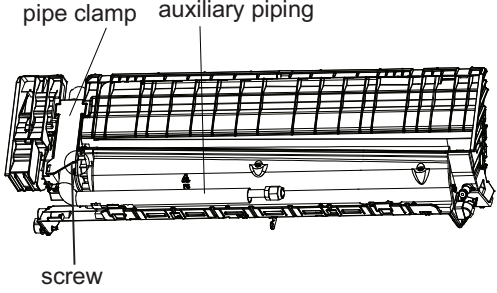
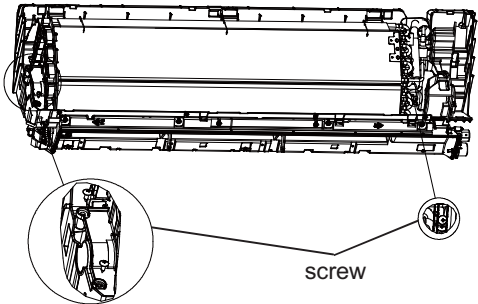
11.1 Removal Procedure of Indoor Unit

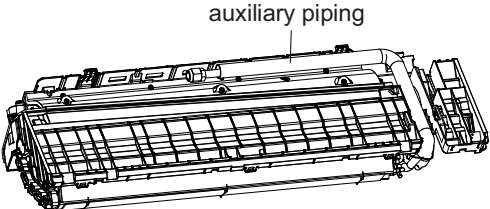
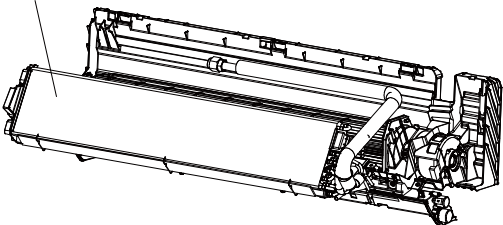
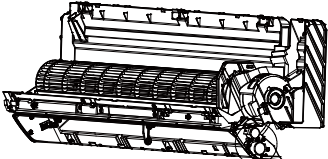

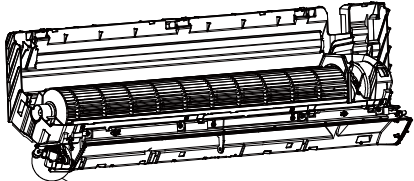

Installation and Maintenance ●●●●●●●●

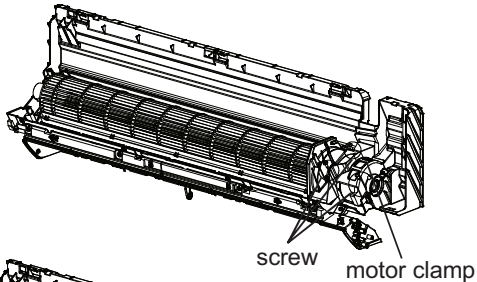
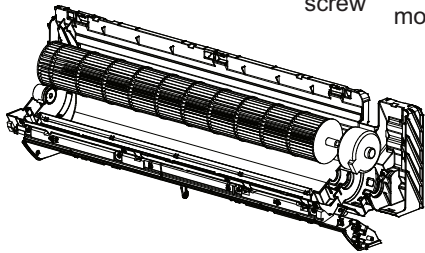
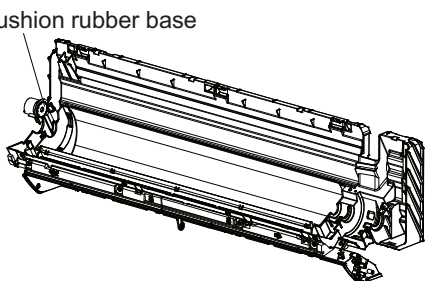
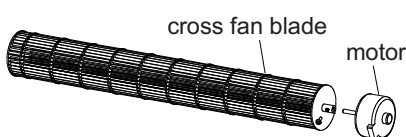
Steps	Procedure	
b	Remove the rotating shaft of big guide louver from the groove, slightly bend the big guide louver to remove it.	 big guide louver
c	Remove the axial bushing of small guide louver.	 axial bushing
d	Remove the rotating shaft of small guide louver from the groove, slightly bend the small guide louver to remove it.	 small guide louver
4.Remove panel		
a	Loosen the clamps of the panel to remove the panel.	

Steps	Procedure	
b	Remove the screws fixing display on the panel, to remove the display.	
5.Remove front case		
	<p>Remove the screw fixing detecting plate and remove the detecting plate.</p> <p>Note: The position of detection board (WIFI) may be different for different models.</p> <p>Remove the screw fixing electric box cover2 and remove the electric box cover2.</p> <p>Remove the screws fixing front panel, loosen the clamps, to remove the front case.</p>	   

Steps	Procedure	
6.Remove swing fan blade		
a	Loosen the clamps fixing swing connecting rod, to remove the swing connecting rod.	
b	Remove the clamps fixing swing fan blade, to remove the swing fan blade.	
7.Remove electric box sub-assy		
a	Remove the indoor tube temp. sensor.	
b	Remove the screws fixing earth wire, to remove the earth wire.	

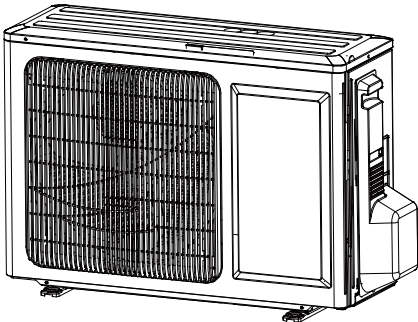
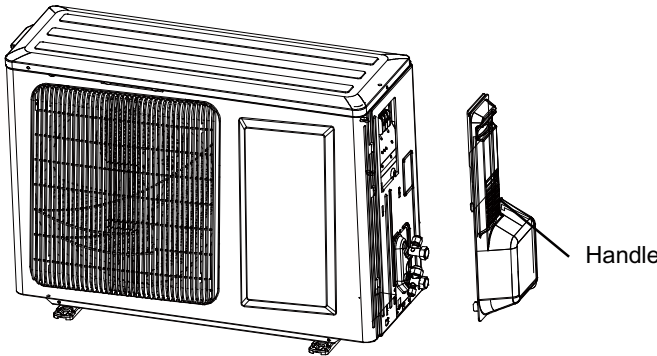
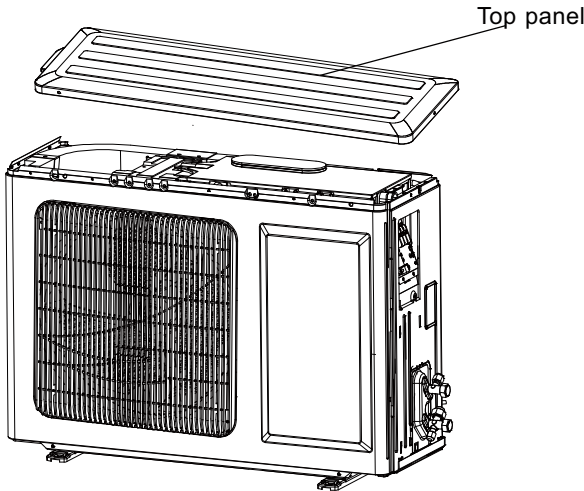
Steps	Procedure	
c	Remove the clamps fixing electric box cover, to remove the cover.	 electric box cover
d	Remove every wiring terminals, and remove the screws fixing electric box cover, to remove the electric box cover sub-assy.	 electric box cover sub-assy screw
7.Remove evaporator sub-assy		
a	Remove the screws fixing connection pipe clamp, to remove the connection pipe clamp.	 pipe clamp auxiliary piping screw  screw

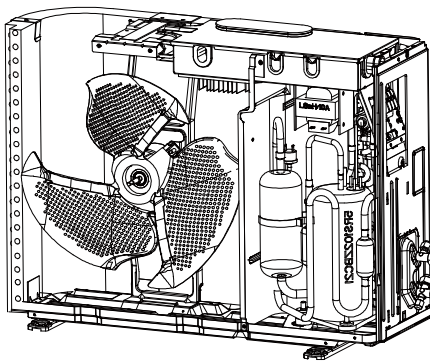
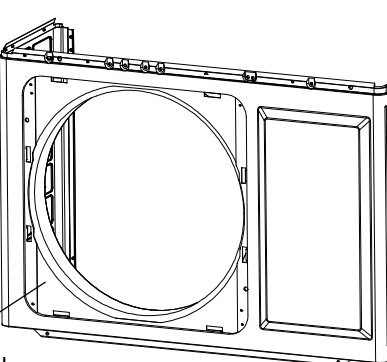
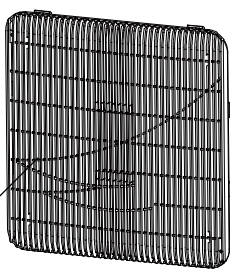
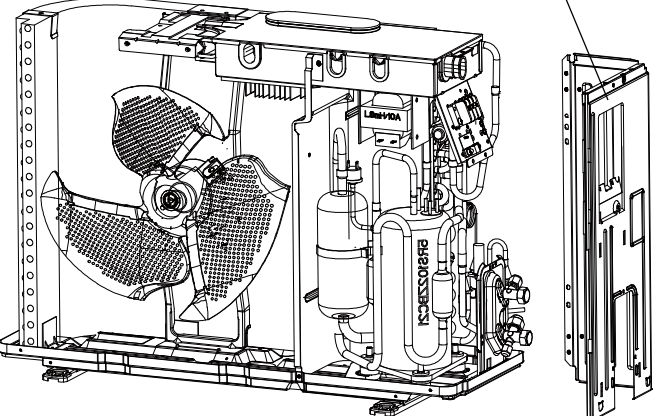
Steps	Procedure	
b	Remove the screws fixing evaporator sub-assy, slightly regulate the tube, to remove the evaporator sub-assy.	<div><p>auxiliary piping</p><p>evaporator sub-assy</p></div>
8.Remove cross fan blade and motor		
a	Remove the screws fixing up&down swing motor, to remove the motor.	<div><p>up&down swing motor</p></div>
b	Remove the screws fixing left&right swing motor, to remove the motor.	<div><p>left&right swing motor</p></div>

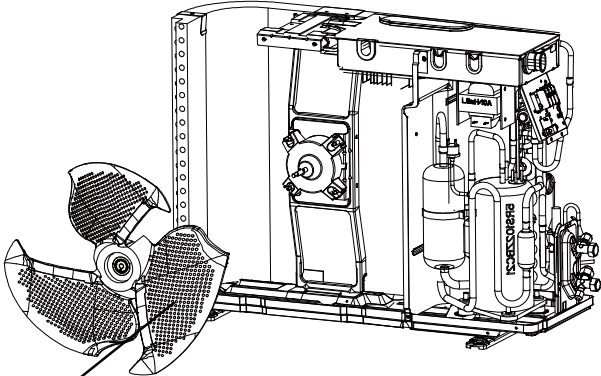
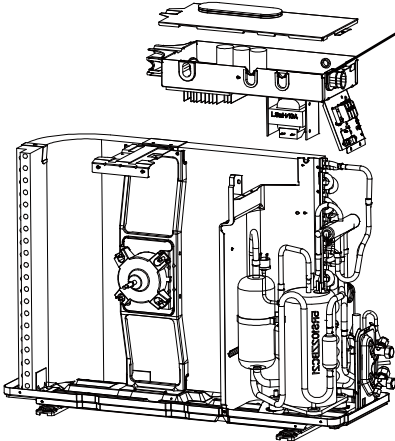
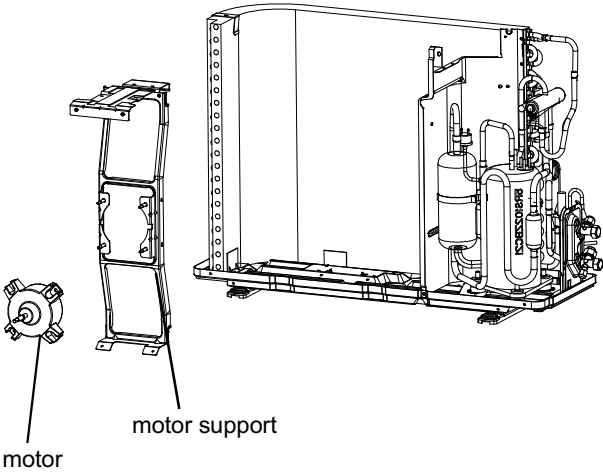
Steps	Procedure	
c	Remove the screws fixing motor clamp, to remove the motor clamp.	
d	Remove the cross fan blade and motor.	
e	Remove the shafting bearing cushion rubber base	
f	Remove the screws fixing cross fan blade and motor, and then remove the motor.	

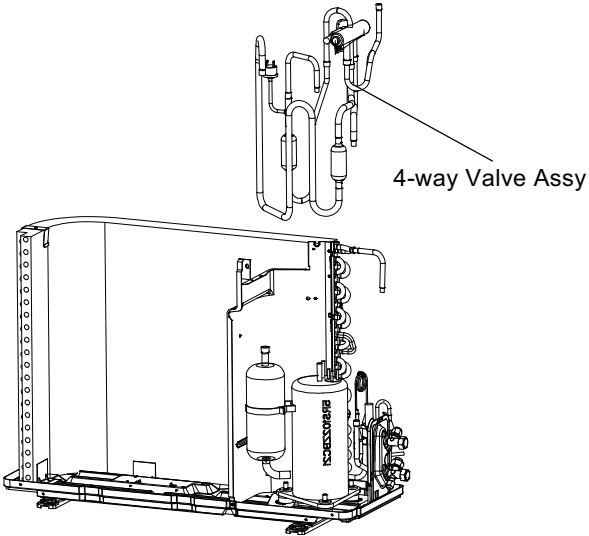
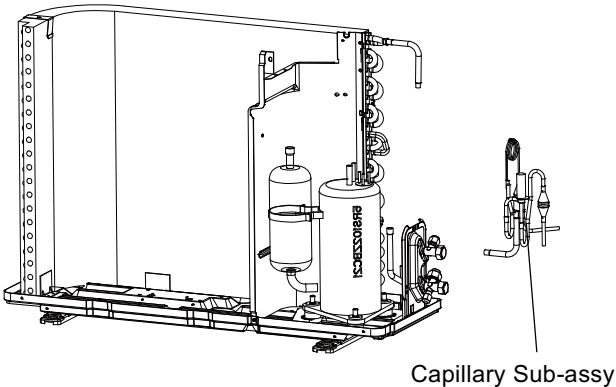
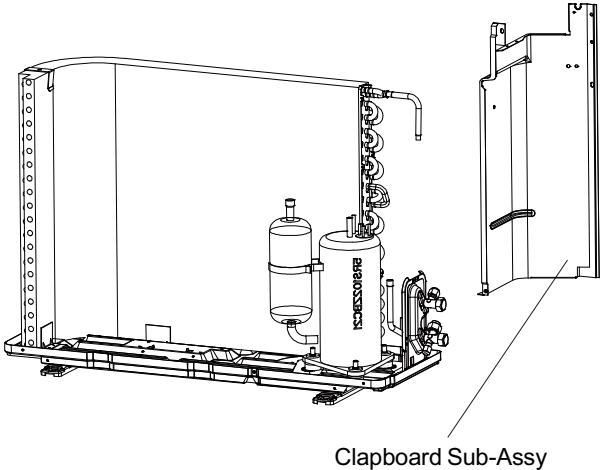
11.2 Removal Procedure of Outdoor Unit

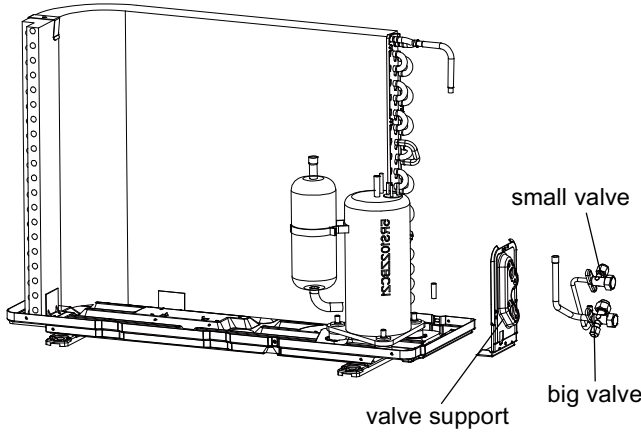
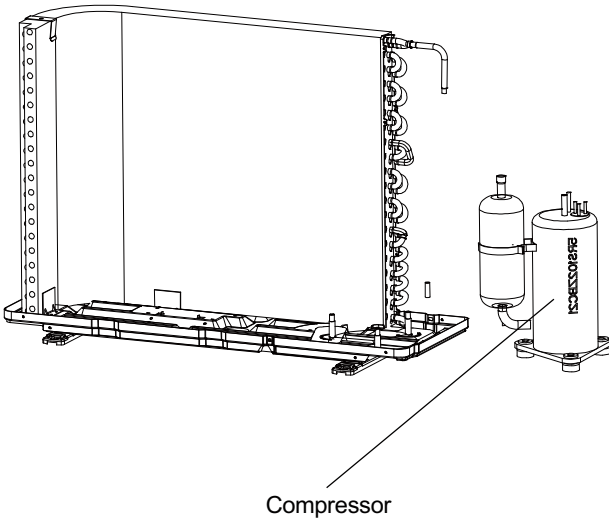
GWH09TA-S3DNA1D/O

Steps	Procedure	
1.Remove big handle		
a	Before disassembly.	
b	Remove the connection screw fixing the big handle and then remove the handle.	
2. Remove top cover		
	Remove connection screws connecting the top cover plate with the front panel and the right side plate, and then remove the top panel.	

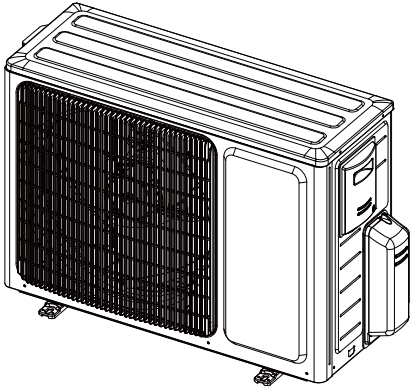
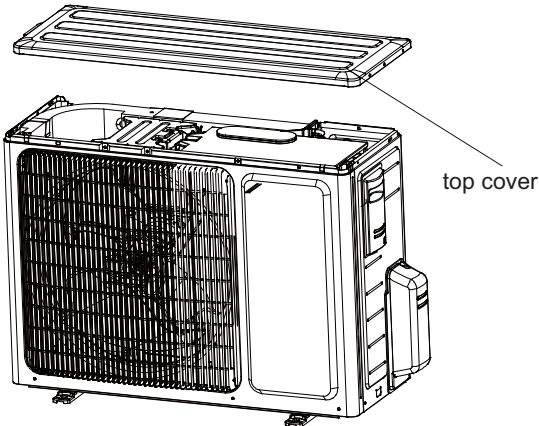
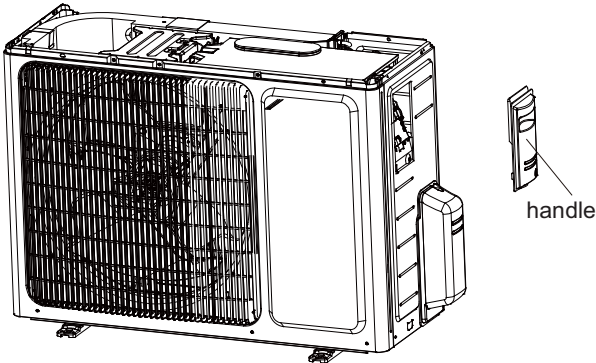
Steps	Procedure
3.Remove grille and front panel	
a	<p>Remove connection screws between the front grille and the front panel. Then remove the front grille.</p> 
b	<p>Remove connection screws connecting the front panel with the chassis and the motor support, and then remove the front panel.</p>  <p>Front panel</p>  <p>Grille</p>
4.Remove right side plate	<p>Remove connection screws connecting the right side plate with the valve support and the electric box. Then remove the right side plate.</p>  <p>Right side plate</p>

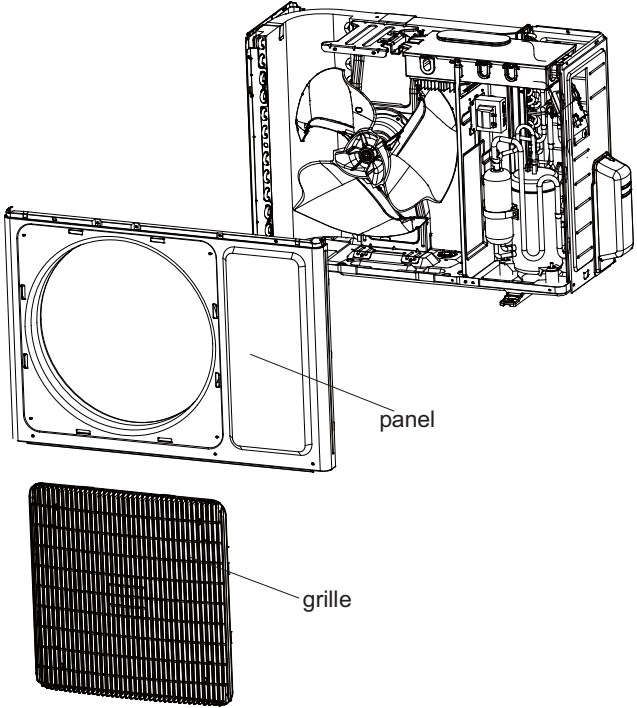
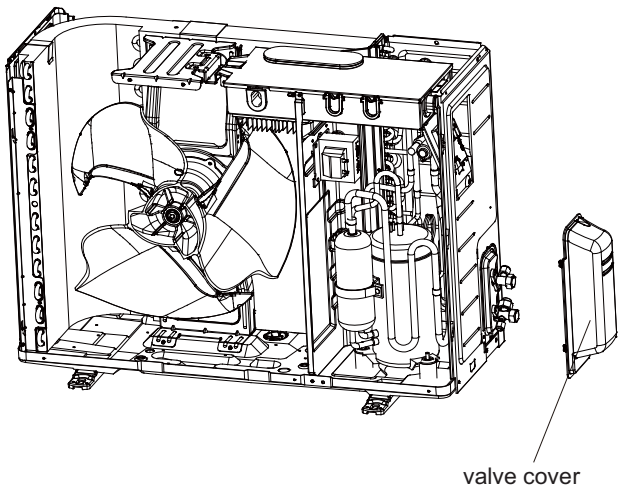
Steps	Procedure	
5.Remove axial flow blade	<p>Remove the nut fixing the blade and then remove the axial flow blade.</p>	 <p>Axial flow blade</p>
6.Remove electric box assy		
7.Remove motor and motor support	<p>Remove the 4 tapping screws fixing the motor. Pull out the lead-out wire and remove the motor. Remove the 2 tapping screws fixing the motor support. Lift motor support to remove it.</p>	 <p>electric box assy</p>  <p>motor support</p> <p>motor</p>

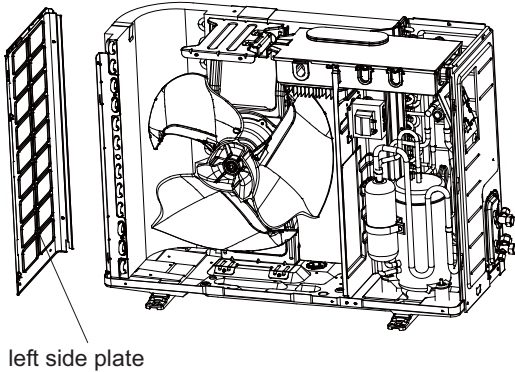
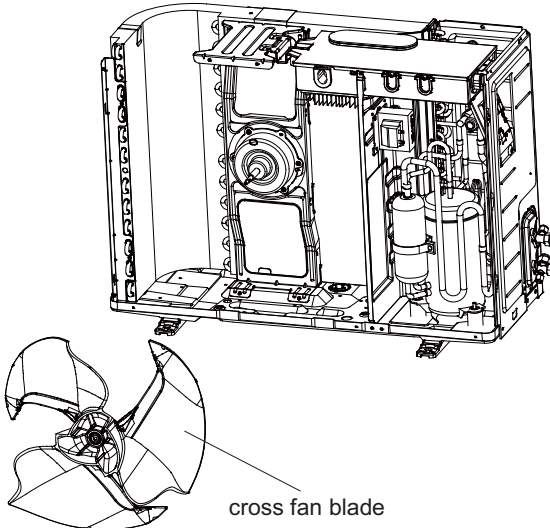
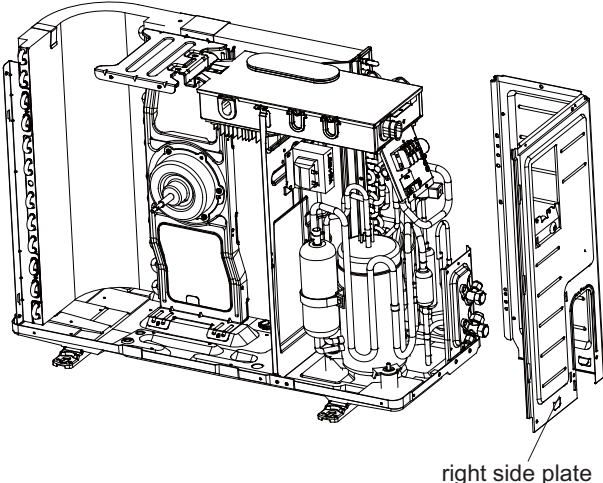
Steps	Procedure	
8.Remove 4-way Valve Assy and Capillary Sub-assy		
	<p>Unscrew the fastening nut of the 4-way Valve Assy coil and remove the coil. Wrap the 4-way Valve Assy with wet cotton and unsolder the 4 weld spots connecting the 4-way Valve Assy to take it out.(Note: Refrigerant should be discharged firstly.) Welding process should be as quickly as possible and keep wrapping cotton wet all the time. Be sure not to burn out the lead-out wire of compressor.</p>	 <p>4-way Valve Assy</p>
9.Remove soundproof sponge		
	<p>Unsolder weld point of capillary Sub-assy, valve and outlet pipe of condensator. Then remove the capillary Sub-assy. Do not block the capillary when unsoldering it. (Note: before unsoldering,discharge refrigerants completely)</p>	 <p>Capillary Sub-assy</p>
10. Remove Clapboard Sub-Assy		
	<p>Loosen the screws of the Clapboard Sub-Assy . The Clapboard Sub-Assy has a hook on the lower side. Lift and pull the Clapboard Sub-Assy to remove.</p>	 <p>Clapboard Sub-Assy</p>

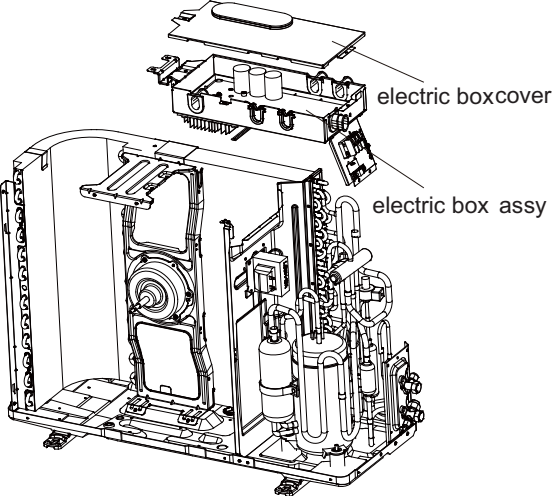
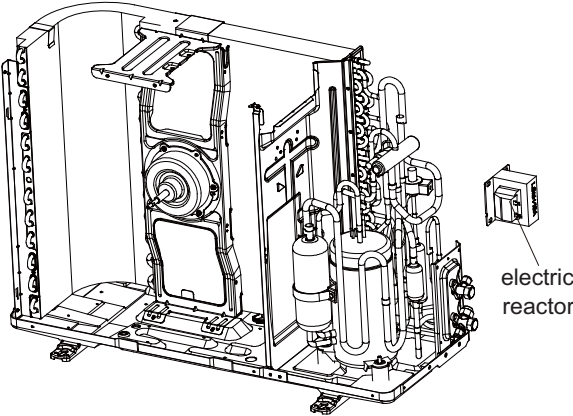
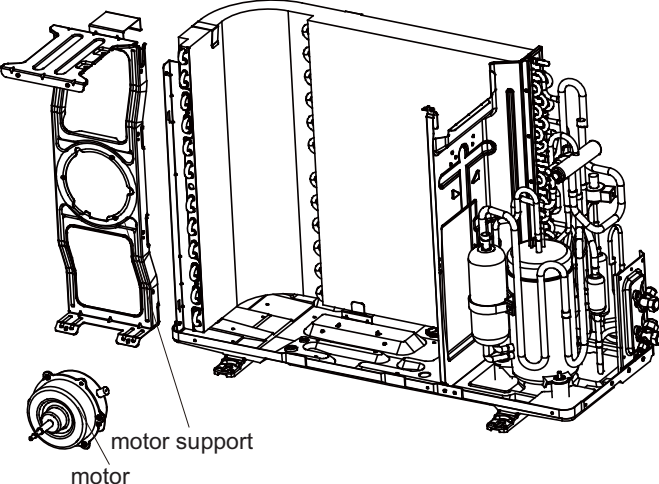
Steps	Procedure
11.Remove valve sub-assy	<div><p>Remove the screws fixing big and small valve, welding cut the welding spots of four-way valve assy, to remove the valve sub-assy.</p></div> <div></div>
12.Remove Compressor	<div><p>Remove the 3 footing screws of the compressor and remove the compressor.</p></div> <div></div>

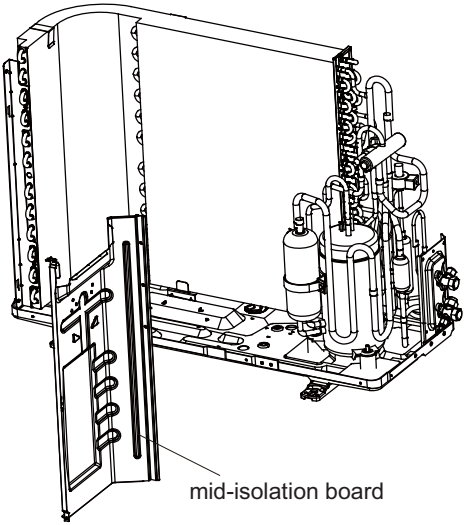
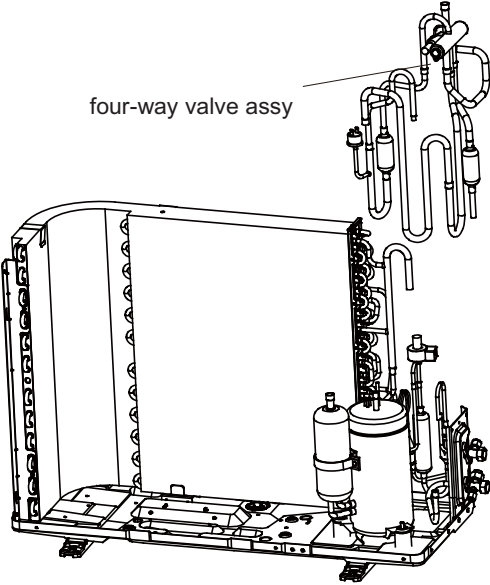
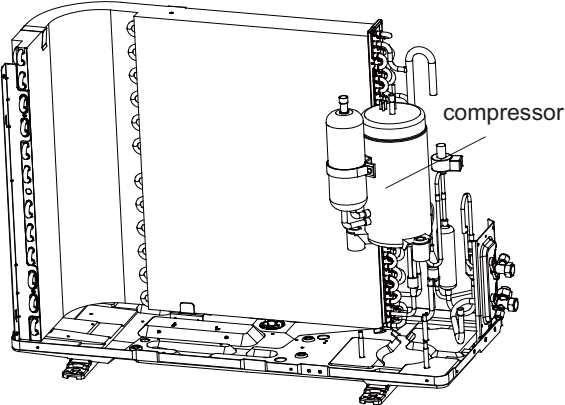
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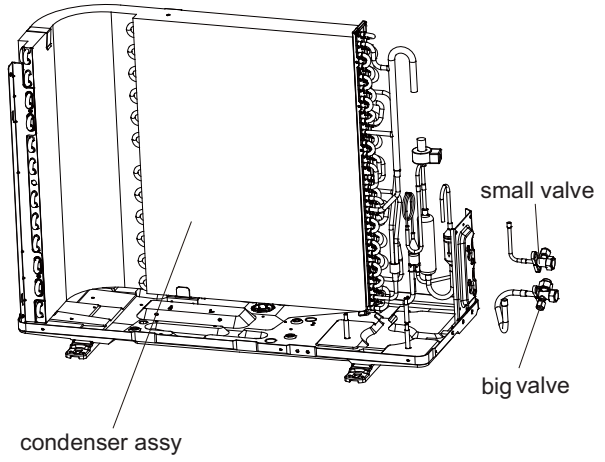
Steps	Procedure	
1. Before disassembly		
2. Remove top cover	<p>Remove the screws connecting top cover, left and right side plate, as well as panel, to remove the top cover.</p>	
3. Remove handle	<p>Remove the screws connecting handle and right side plate, to remove the handle.</p>	

Steps	Procedure	
4. Remove panel and grille	<p>Remove the screws fixing panel, to remove the panel. Remove the screws connecting panel grille and panel, loosen the clamp, to remove the panel grille.</p>	 <p>panel</p> <p>grille</p>
5. Remove valve cover		
	<p>Remove the screw fixing valve cover, to remove the cover.</p>	 <p>valve cover</p>

Steps	Procedure	
6. Remove left side plate		
	Remove the screws fixing left side plate and condenser support board, to remove the left side plate.	
7. Remove cross fan blade		
	Remove the screw nut fixing cross fan blade, remove the gasket and spring cushion, to remove the cross fan blade.	
8. Remove right side plate		
	Remove the screws fixing right side plate and valve support, to remove the right side plate.	

Steps	Procedure	
9. Remove electric box assy	<p>Remove screws fixing electric box assy and mid-isolation board, loosen the bonding tie, pull off the wiring terminal, lift to remove the electric box assy.</p>	 <p>electric boxcover</p> <p>electric box assy</p>
10. Remove electric reactor		
11. Remove motor and motor support	<p>Remove the screws fixing electric reactor, to remove the electric reactor.</p>	 <p>electric reactor</p>
	<p>Remove the four tapping screws fixing motor, pull out the contact tag of motor wiring, to remove the motor.</p> <p>Remove the two tapping screws fixing motor support and chassis, lift to remove the motor support.</p>	 <p>motor support</p> <p>motor</p>

Steps	Procedure	
12. Remove mid-isolation board	<p>Remove the screws connecting mid-isolation board, chassis and condenser assy, to remove the mid-isolation.</p>	 <p>mid-isolation board</p>
13. Remove four-way valve assy		
	<p>Welding cut the spot weld of four-way valve assy, compressor air suction/discharging valve and condenser pipe outlet, lift to remove the four-way valve assy. (Note: release the refrigerant before welding cutting.)</p>	 <p>four-way valve assy</p>
14. Remove compressor	<p>Remove the three feet screw nuts fixing compressor, to remove the compressor.</p>	 <p>compressor</p>

Steps	Procedure
15. Remove big and small valve assy	 <p>The diagram shows a side view of a refrigerator chassis. A line points from the label 'condenser assy' to the condenser coils on the back. Another line points from the label 'small valve' to a valve on the right side. A third line points from the label 'big valve' to a larger valve on the right side.</p>

Remove screws connecting condenser assy and chassis, to remove the condenser assy.
Remove the screws fixing big and small valve, to remove the valves.