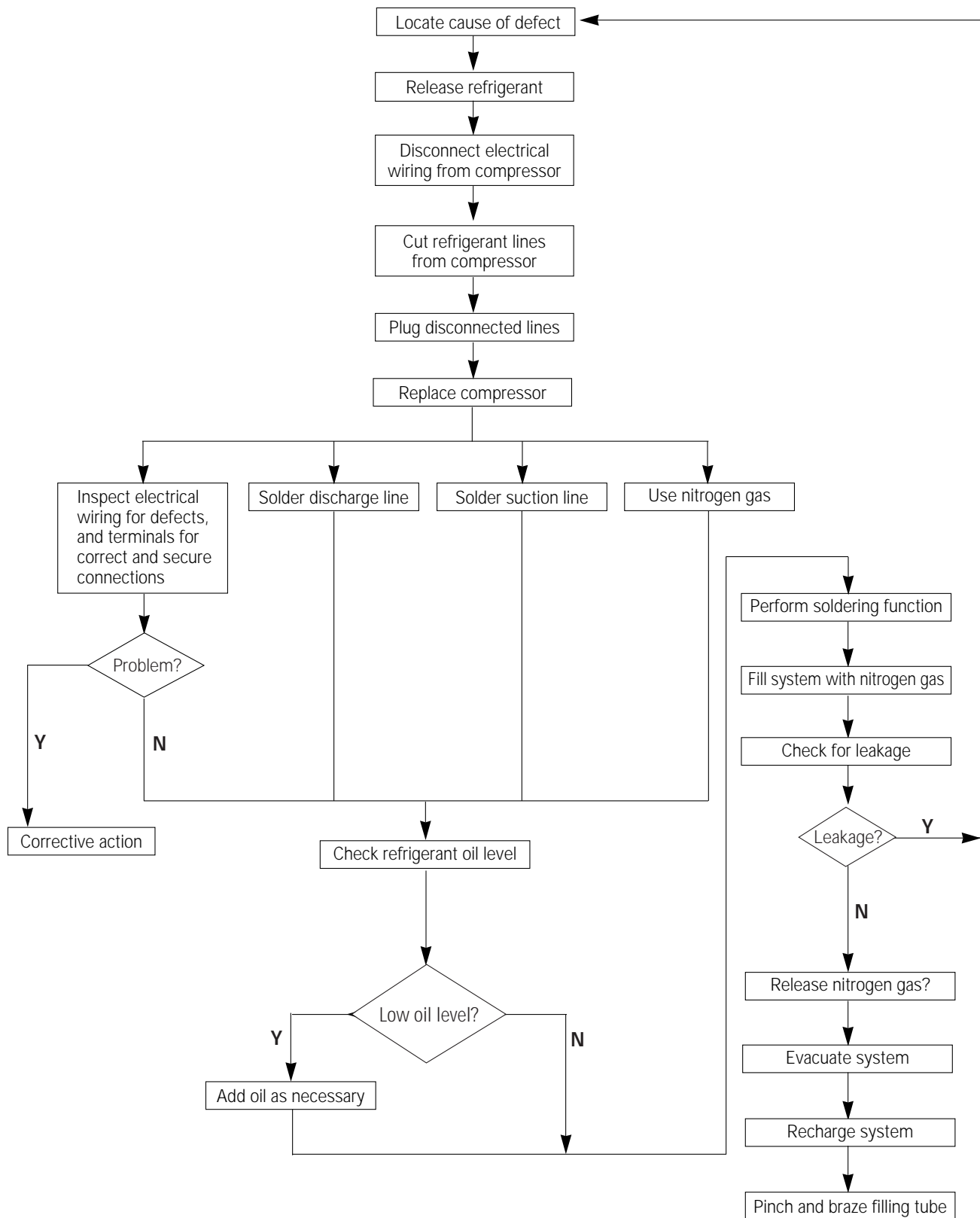


4. Disassembly and Reassembly

4-1 Compressor Replacement Flow Chart



4-2 Checking the Oil

Fill the transparent container with 10cc of oil, and then conduct the test.

4-2-1 Oil quality

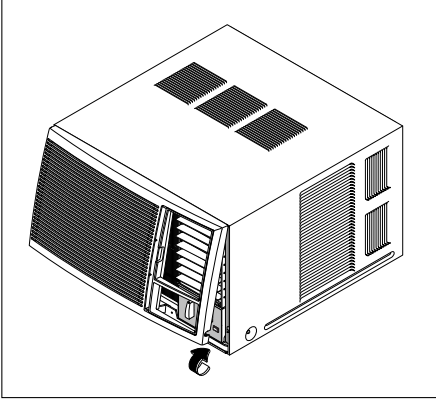
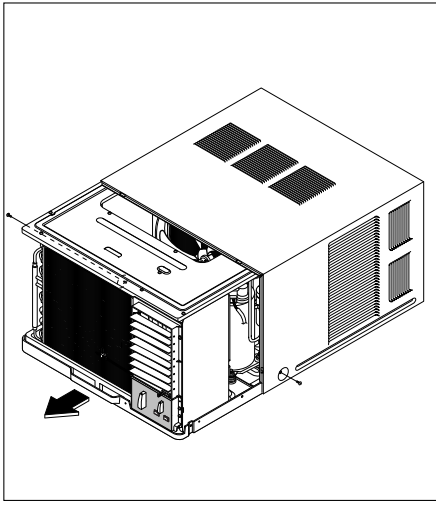
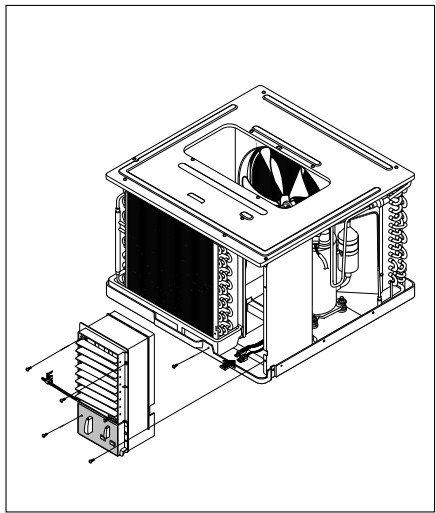
Refrigerant Cycle	Oil Condition		Remarks
	Color	Odor	
Normal	Light Yellow	No Odor	Return with the system
Over-heated	Brown	-	Oil Change
Compressor damage	Dark brown	Pungent oil	Oil Change

4-2-2 Replacing and refilling the refrigerant oil

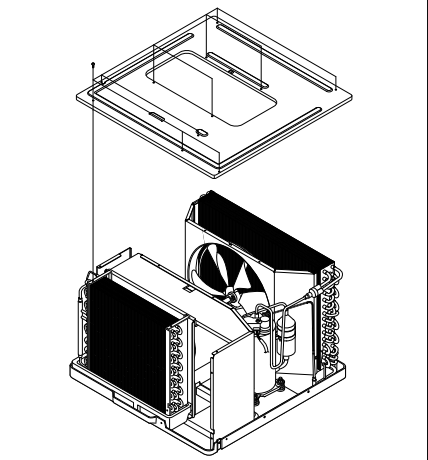
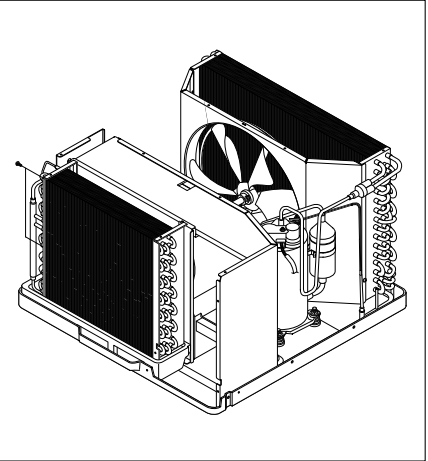
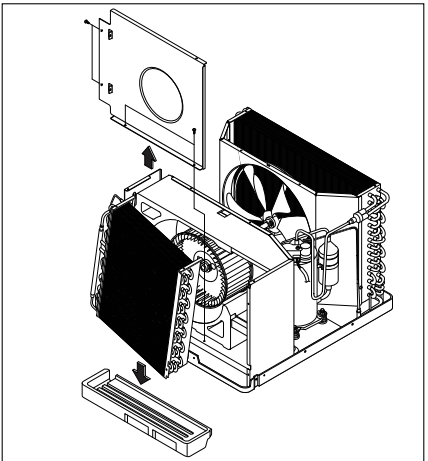
1. Replacing the compressor-Do not fill the system with oil as the compressor is already charged.
2. Replacing the condenser - Refill 50cc.
3. Replacing the evaporator - Refill 50cc.
4. Replacing the refrigerant - Refill 30cc.
5. The high pressure side is filled up with oil after the vacuum is completed.
6. When the refrigerant leaks, it is generally not necessary to refill the oil if the leakage is not severe.

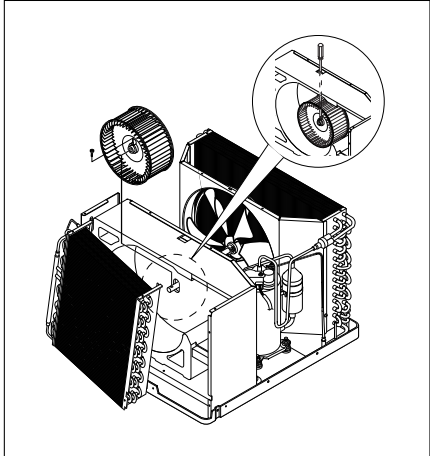
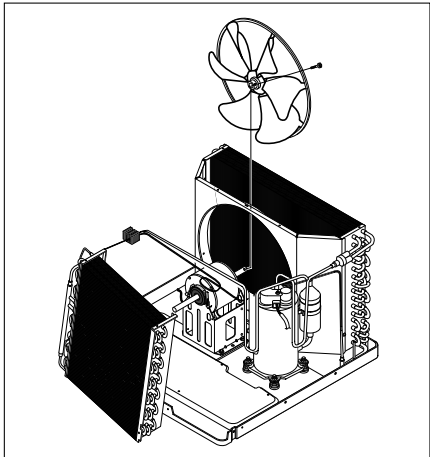
4-3 Disassembly and Reassembly Procedure

Stop operating the air conditioner, and pull out the power cord before repair.

No.	Part name	Procedures	Remarks
㉔	Ass'y Grille	<ol style="list-style-type: none"> 1. Hold the lower part of the front grille with two hands while pressing down on both sides of the lower part of the cabinet, pull it forward by about 30°, and then lift it up for removal. 	
㉕	Ass'y Cabinet	<ol style="list-style-type: none"> 1. Remove the screws on both sides of the cabinet to disconnect the cabinet and frame. 2. Pull the handle on the front side of the bottom, and remove the unit from the cabinet. 	
㉖	Ass'y Control	<ol style="list-style-type: none"> 1. Remove four machine screws, and earth wire screw. 2. Take out the Control Box forward, and remove two lead-wire assemblies. 	

Disassembly and Reassembly

No.	Part name	Procedures	Remarks
㉔	Plate-Cover	1. Remove 11 screws on the plate cover.	
㉕	Ass'y-Evaporator	1. Remove two screws on the left side of the evaporator.	
㉖	Plate-Evap Casing	1. Lift up the evaporator, and remove the tray-drain. 2. Remove two screws on the bottom side, and two screws on the left side of the plate-evap casing.	

No.	Part name	Procedures	Remarks
□	Blower	1. Loosen the hexagon nut, and remove the blower.	
□	Propeller Fan	1. Loosen the hexagon nut, and remove the fan.	
□	Motor Supporte & Motor	<p>1. Remove four hexagon nuts on the bottom.</p> <p>2. Move the motor-assembly toward the condenser, and lift up the motor-assembly from the frame.</p> <p>3. Remove the clips on both sides carefully using the (-) driver.</p>	