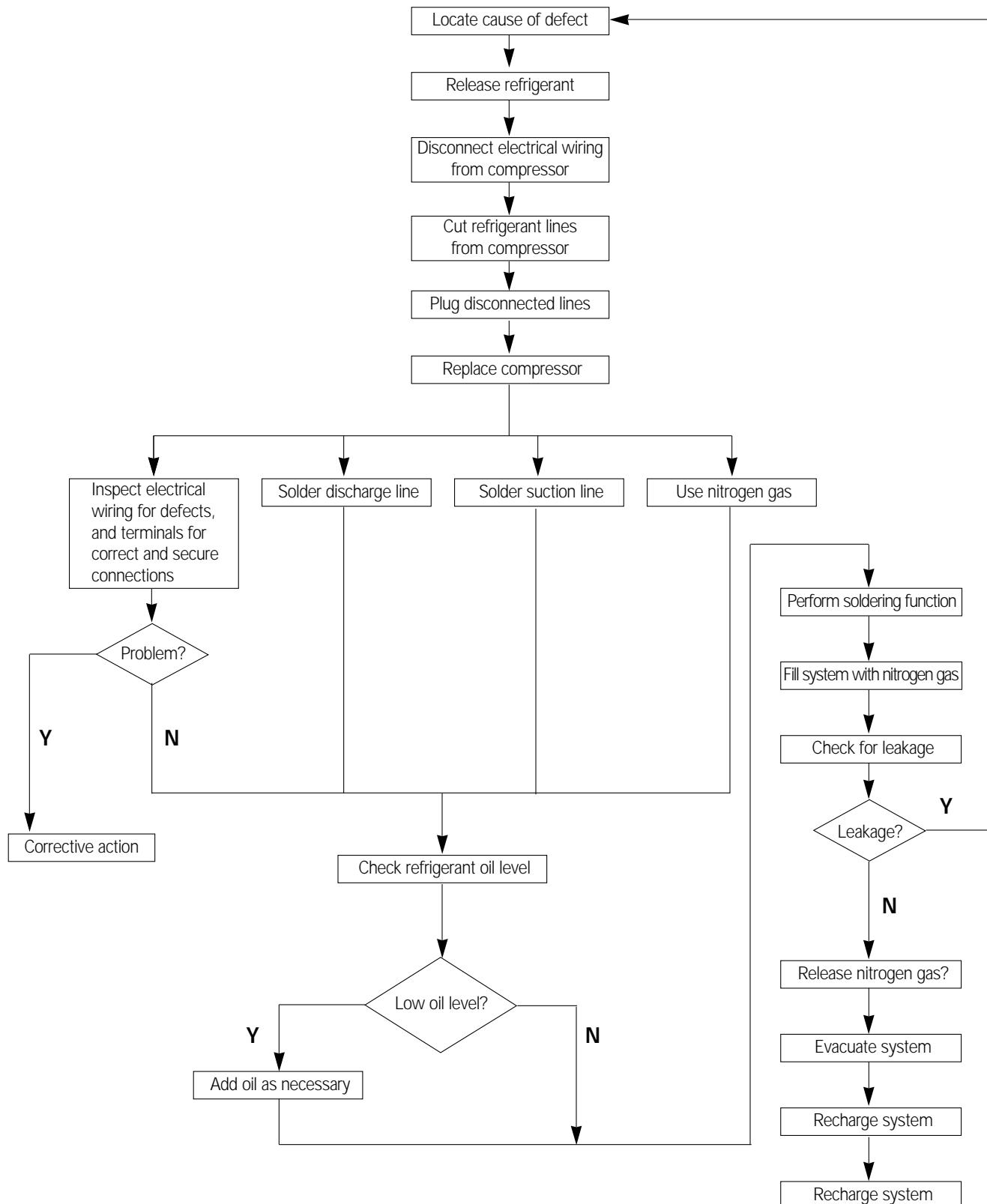


4. Disassembly and Reassembly

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

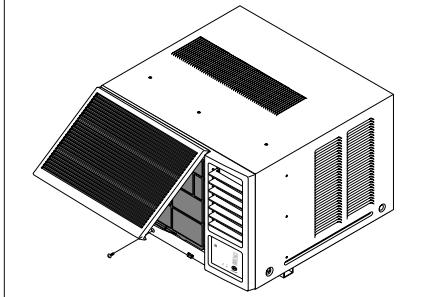
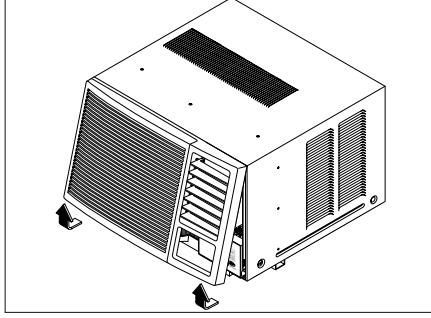
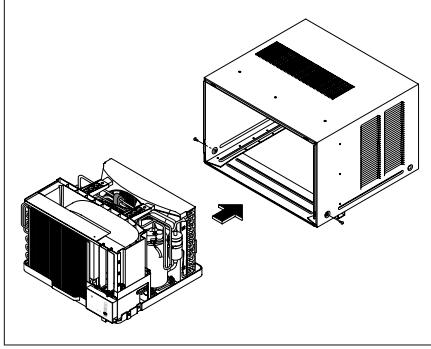
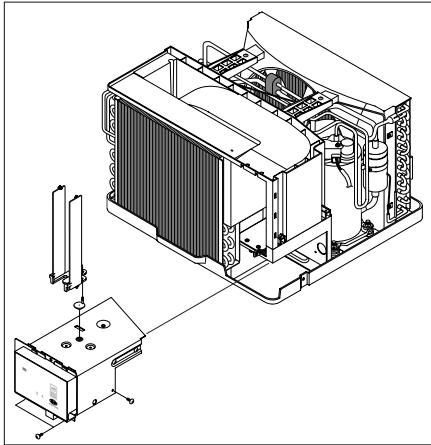
Refrigerant Cycle	Oil Condition		Remarks
	Color	Odor	
Normal	Light Yellow	No Odor	Return with the system
Over-heated	Brown	-	Oil Change
Compressor damage	Dark brown	Pungent oil	Oil Change

4-2-2 Replacing and refilling the refrigerant oil

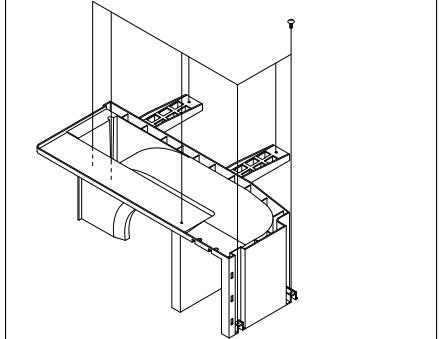
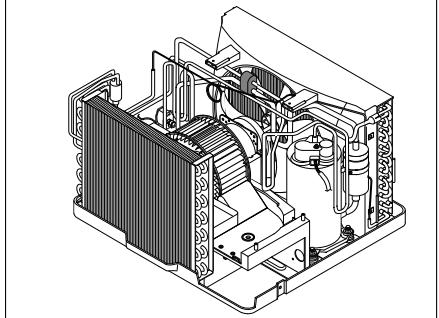
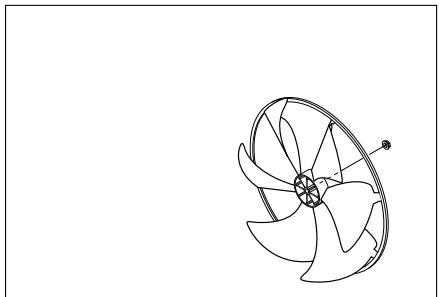
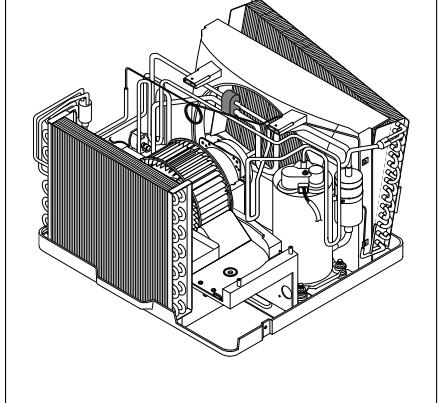
1. Replacing the compressor - Do not fill the system with oil as the compressor is already charged.
2. Replacing the condenser - Refill 50cc.
3. Replacing the evaporator - Refill 50cc.
4. Replacing the refrigerant - Refill 30cc.
5. The high pressure side is filled up with oil after the vacuum is completed.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

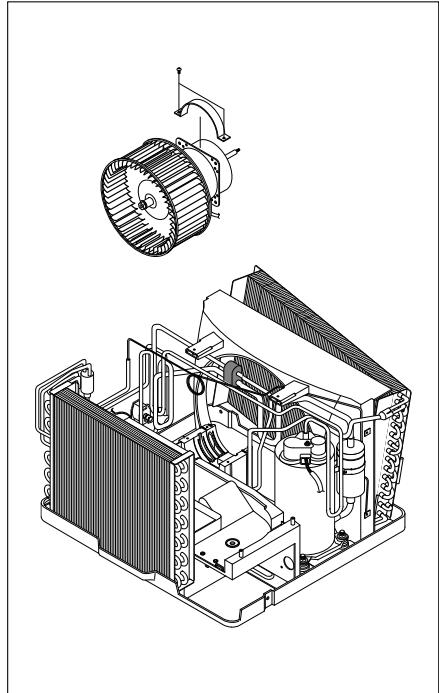
4-3 Disassembly and Reassembly Procedure

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

No.	Part name	Procedures	Remarks
①	Ass'y Grill	<ol style="list-style-type: none">1. Pull the panel front and remove the screw on the grille2. Hold the lower part of the grill 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.	 
②	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.	
③	Ass'y Control	<ol style="list-style-type: none">1. Remove 6 screws, and earth wire screw.2. Remove three lead wire assemblies.3. Remove the blade V and arm blade.4. Take out the control box forward.	

Disassembly and Reassembly

No.	Part name	Procedures	Remarks
④	Frame Up	1. Remove 10 screws on the Frame Up.	 
⑤	Case Cond & Propeller Fan	1. Remove two screws on the bottom side, and 5 screws on the case cond. 2. Remove the nut flange, and remove the propeller fan	 

No.	Part name	Procedures	Remarks
⑥	Blower & Motor	<ol style="list-style-type: none"> 1. Remove two screws on the clip motor, and remove the clip motor. 2. Move the motor & blower toward the evap, and lift up the motor & blower from the frame low. 	
⑦	Cond Casing	1. Remove the cond casing	