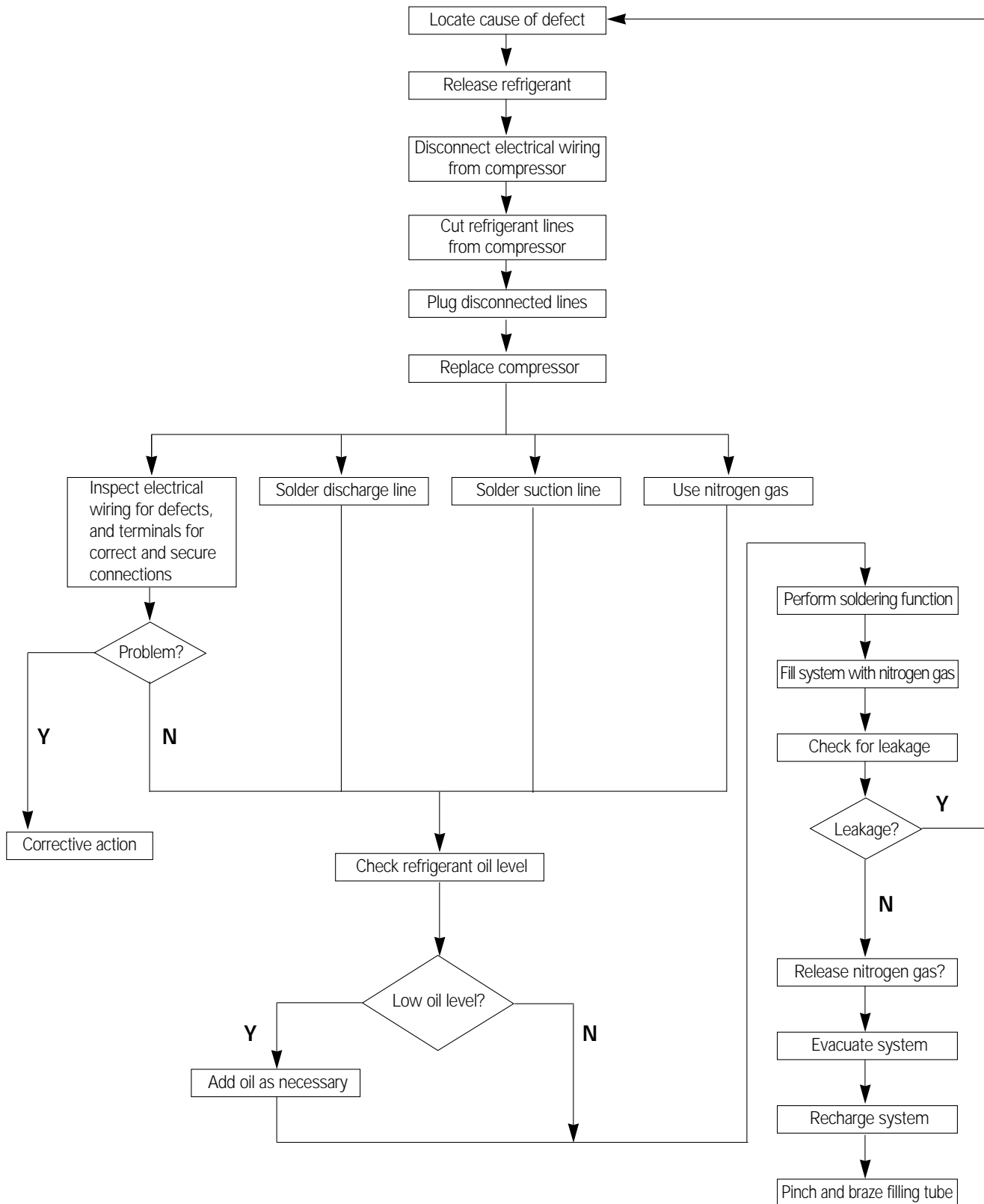


## 4. Disassembly and Reassembly

### 4-1 Compressor Replacement Flow Chart



## 4-2 Checking the Oil

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Put approximately 10cc oil into a transparent container and test it.

### 4-2-1 Oil quality

Condition of Refrigerant Cycle	Condition of Oil		Remarks
	Color	Odor	
Normal	Light Yellow	No Odor	Return with the system
Overheat	Brown Color	-	Oil Change
Motor Damage	Dark Brown	Pungent Oil	Oil Change

### 4-2-2 Changing and adding refrigerant oil

1. Change the compressor - DO NOT recharge the oil as the compressor itself is already charged.
2. Change the condenser .... add 50cc
3. Change the evaporator .... add 50cc
4. When the refrigerant is replaced .... add 30cc oil.
5. After vacuum is completed, the oil is filled through the high pressure side.
6. In the event of a refrigerant leak, generally it is not necessary to add oil (unless the oil has leaked significantly).

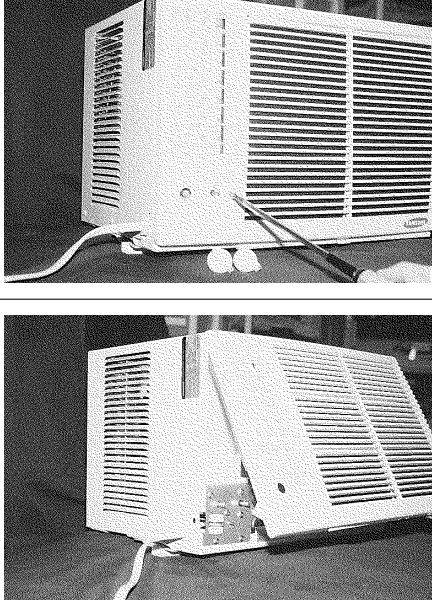
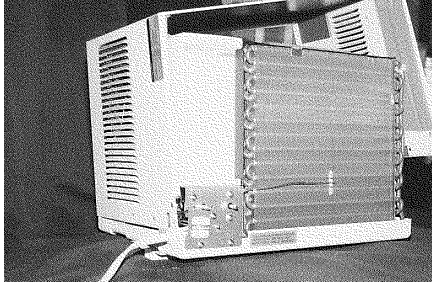
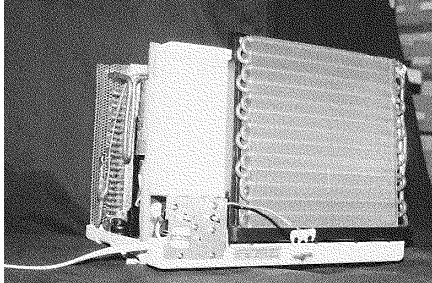
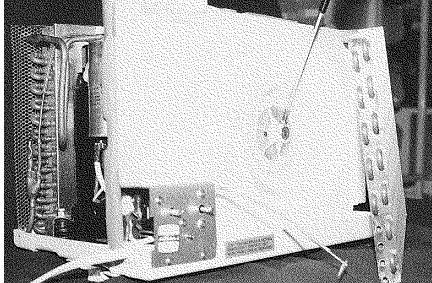
## 4-3 Refrigerant Oil Specifications

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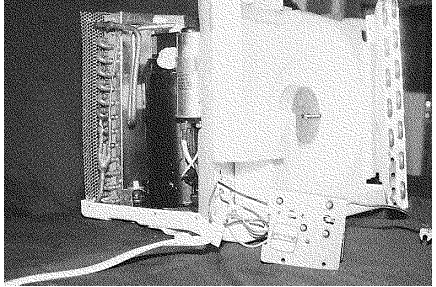
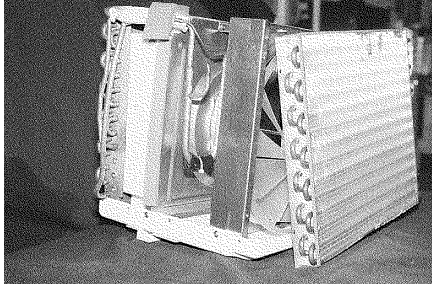
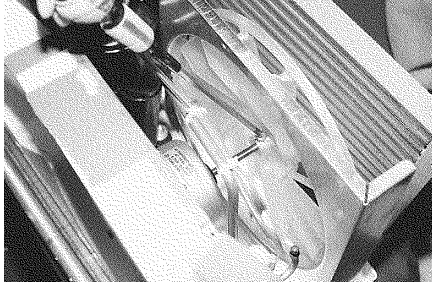
Model	Oil Specification	Oil Change
AW05B0LA(AW0519)	SONTEX 200LT	280CC

## 4-4 Disassembly and Reassembly Procedure

Stop operating of the air conditioner and remove the power cord before repairing the unit.

No.	Part name	Procedures	Remarks
①	Ass'y - Grille	<ol style="list-style-type: none"> <li>1. Remove the knobs and the grille screw located behind the knob on right.</li>   <li>2. Remove the grille from the cabinet by pushing in on the grille tabs on both cabinet sides, and then lift the grille off the top latches.</li> </ol>	
②	Ass'y - Frame	<ol style="list-style-type: none"> <li>1. Remove the 8 screws on each of the cabinet and lift the cabinet upward.</li> </ol>	
③	Ass'y - Evaporator	<ol style="list-style-type: none"> <li>1. Remove foam-seal on the top of the unit.</li> <li>2. After unfolding evaporator cover upwardly, remove screw on top of right side.</li> <li>3. Separate the evaporator from the unit.</li> </ol>	
④	Ass'y - Blower	<ol style="list-style-type: none"> <li>1. Loose the bolt to disassemble the blower.</li> </ol>	

Disassembly and Reassembly

No.	Part name	Procedures	Remarks
⑤	Ass'y - Control	<ol style="list-style-type: none"> <li>1. Remove the 2 screws at the bottom of between the base-pan and the control-box.</li> <li>2. Separate the power cord from the base pan.</li> </ol>	
⑥	Ass'y - Condenser	<ol style="list-style-type: none"> <li>1. Remove the 6 screws on the condenser.</li> <li>2. Separate the cond-casing from the base-pan.</li> </ol>	
⑦	Ass'y - Fan Propeller	<ol style="list-style-type: none"> <li>1. Loose the bolt to disassemble the fan-propeller.</li> <li>2. Separate the fan-propeller from the motor and the cond-casing.</li> </ol>	
⑧	Ass'y - Motor	<ol style="list-style-type: none"> <li>1. Separate the motor and the bulk-head from the base pan.</li> <li>2. Loose the 4 nuts on the bulk-head.</li> </ol>	