

FIGURE 3 AQUA CLEAN REAR VIEW - ASSEMBLED

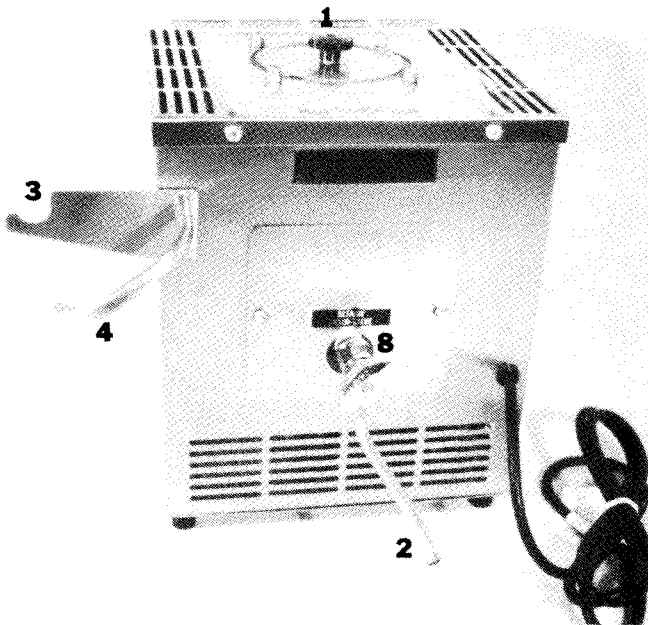


Figure 3

<u>Key No.</u>	<u>Part Name</u>
1	Lid assembly
2	Drain valve extension tube
3	Bottle hook
4	Condensing coil extension tube
8	R-17 90° drain valve

FIGURE 4 AQUA CLEAN REAR VIEW - UNASSEMBLED

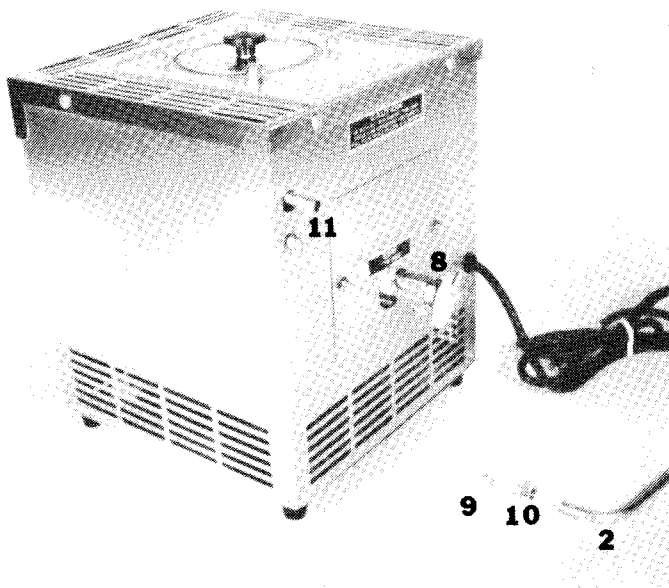


Figure 4

<u>Key No.</u>	<u>Part Name</u>
2	Drain valve extension tube
8	R-17 90° drain valve
9	Brass sleeve
10	Compression nut
11	Condensing coil

FIGURE 5 AQUA CLEAN VIEW OF UNIT - FRONT COVER REMOVED

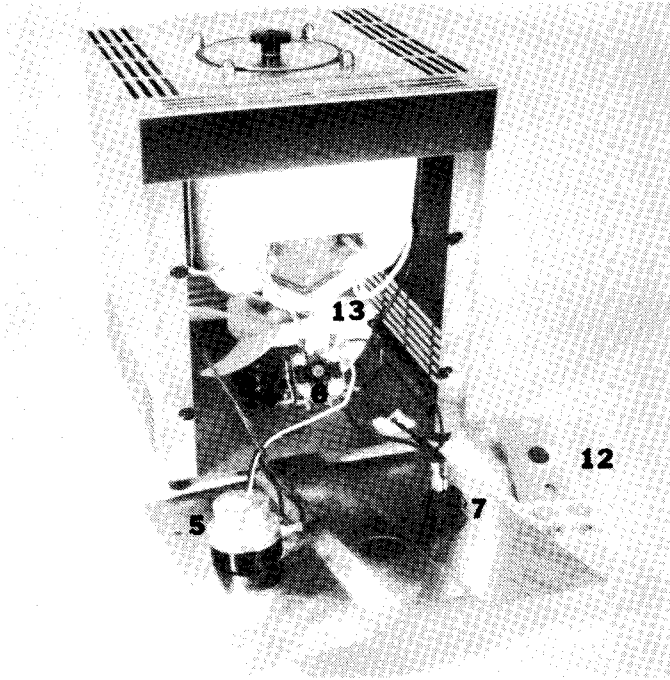


Figure 5

<u>Key No.</u>	<u>Part Name</u>
5	Timer assembly
6	Reset
7	Fan switch
12	Reset retainer plate
13	Fan blade
14	Motor assembly

FIGURE 6 AQUA CLEAN VIEW OF UNIT - BACK COVER REMOVED

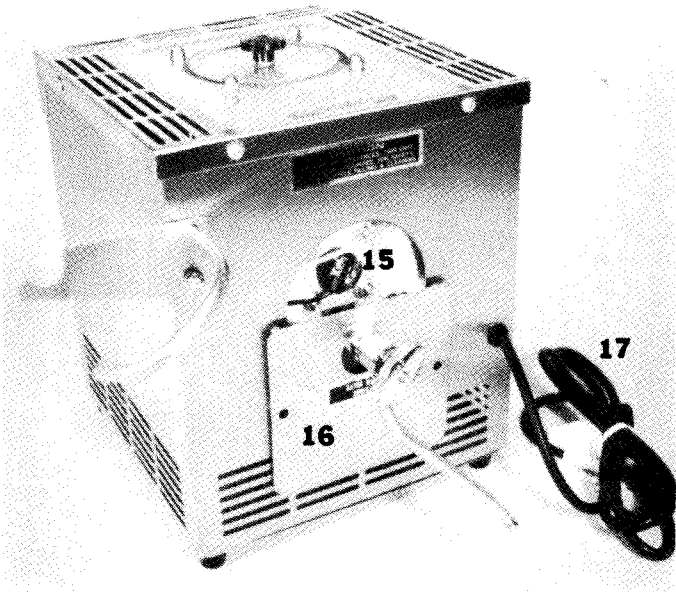


Figure 6

<u>Key No.</u>	<u>Part Name</u>
15	Heating element 650 watts
16	Back cover plate
17	Power cord

THE INSTRUCTIONS WHICH ARE GIVEN BELOW AND ON THE FOLLOWING PAGES SHOULD BE FOLLOWED CLOSELY IN ASSEMBLING AND PREPARING THE UNIT FOR OPERATION.

ASSEMBLY

When opening the box, save everything until unit is in operation. When unpacking the unit, you will find the following parts packed in a bag (see Fig 1). NOTE: Save the distiller box in case your distiller should require repairs at the factory.

- 1 Bottle Hook
- 1 Boiling Tank Lid
- 1 Boiling Tank Extension Tube
- 1 Condensing Coil Extension Tube

(The container to catch the distilled water must be furnished by the owner. The unit is designed to be used with a one gallon glass jug.) **NOTE: DO NOT USE PLASTIC CONTAINERS.**

1. Install Bottle Hook (Fig 3-3). Remove nut from stud located on front of unit just below condensing coil outlet. Large hole in bottle hook fits over condensing coil outlet and small hole over stud. Secure bottle hook in place, replacing nut on stud and tightening snugly.
2. Install Condensing Coil Extension Tube (Fig 3-4). The short end of the tube should be slipped over the short tube of the condensing coil which comes out at the back of the unit. The other end then goes into the one gallon jug.
3. The Boiling Tank Lid (Fig 3-1) will not be used until the unit is filled with water. You may note that by loosening the black knob on top and then tipping the lid, the bar at the bottom slips under the opening in the top of the unit. Center the lid over the opening and tighten the black knob. This lid will need to be removed each time the unit is filled with water.
4. Install Boiling Tank Drain Extension Tube (Fig 4-2). The boiling tank drain extension tube will allow the user to drain the boiling tank into the sink more conveniently. To assemble, remove the compression nut and brass sleeve from the boiling tank drain valve; take the end of the tube with the 90° bend and do the following: (Fig 4)
 - a. Slip the compression nut (Fig 4-10) over the tube, small opening first; then, slip on the brass sleeve (Fig 4-9).
 - b. Push the tube into the opening of the drain valve (Fig 4-8).
 - c. Next, thread the nut onto the boiling tank drain valve.
 - d. Push the tube firmly into the tube opening and using a wrench tighten the compression nut.
 - e. Fig 3 shows boiling tank drain extension tube installed.

Prior to using, it might be well to place water in the boiling tank and open the drain valve to make sure that there are no leaks and that the connection is tight enough.

This unit has been run several times at the factory in order to test its operation, parts and assembly. However, the user is encouraged to run the unit through a steam sterilization cycle prior to distilling water for usage. In addition, we strongly recommend that the container used to catch the distilled water be made of either stainless steel or glass and that this container be cleaned with hot, soapy water and rinsed thoroughly before being used to catch distilled water.

STEAM STERILIZATION

1. Place a one gallon glass jug on the bottle hook to catch water (Fig 2-3).
2. Remove lid and fill with water until the water just touches the water level gauge.
3. Replace lid and make sure it fits in proper groove so that steam does not escape. Tighten lid knob (Fig 2-1).
4. Place the *fan switch* (Fig 2-7) in the "OFF" position. This will allow steam to pass through the condensing coil and sterilize the unit.
5. Plug the cord into an electrical outlet (120 Volt AC, Single Phase).
6. Turn the *timer knob* (Fig 2-5) left, counter-clockwise, to the "ON" position. Run unit for about 10 minutes after water comes to a "full boil".
7. Drain water from boiling tank.
8. Should the unit fail to run refer to the "TROUBLE SHOOTING" section at the back of instructions.
9. The boiling tank must be refilled before each distillation cycle.

CAUTION: DO NOT plug unit into electrical outlet unless the water in the tank is at the proper depth; to do so would shorten the life of the heating element unnecessarily.

DISTILLATION

1. Place a one gallon glass jug to catch water on the bottle hook (Fig 2-3).
2. Remove lid and fill with water until the water just touches the water level gauge. To get maximum production from the machine, use hot water.
3. Replace the lid and tighten the knob (Fig 2-1).
4. Place the fan switch in the "On" position (Fig 2-7).
5. Plug cord into electrical outlet (120 Volt AC, Single Phase).
6. Turn timer knob left, counter-clockwise, to the "ON" position (Fig 2-5).
7. Do not turn the timer back for more time in an attempt to make extra water during the distillation cycle. The unit will run longer and the water boils below the heating element and pops the reset. This will not allow the timer to turn the unit off properly.
8. The boiling tank must be refilled before each distillation cycle.
9. Should the unit fail to run refer to the "TROUBLE SHOOTING" section at the back of instructions.

NOTE: FILLING WATER ABOVE BOTTOM LEVEL GAUGE MAY ALLOW UNDISTILLED WATER TO FLOW INTO THE CONDENSING COIL AND OUT INTO THE USER'S CONTAINER. DO NOT OVERFILL!

THIS UNIT SHOULD BE OPERATED IN A SPOT AWAY FROM OTHER HEAT SOURCES. THE LOWER THE TEMPERATURE OF THE ROOM THE BETTER FOR DISTILLATION.

CLEANING INSTRUCTIONS

PROPER CLEANING IS IMPORTANT. Improper cleaning may shorten the life of the unit and particularly that of the heating element. We recommend draining the boiling tank of your unit after approximately every third distillation cycle. This will prevent a concentration of chemicals, pollutants and other materials from building up in the bottom of the boiling tank.

Your unit should be cleaned whenever there is a noticeable amount of mineral build up around the outside of the heating element. The frequency in which the unit is cleaned will vary from one area to another, depending upon the mineral content present in that area.

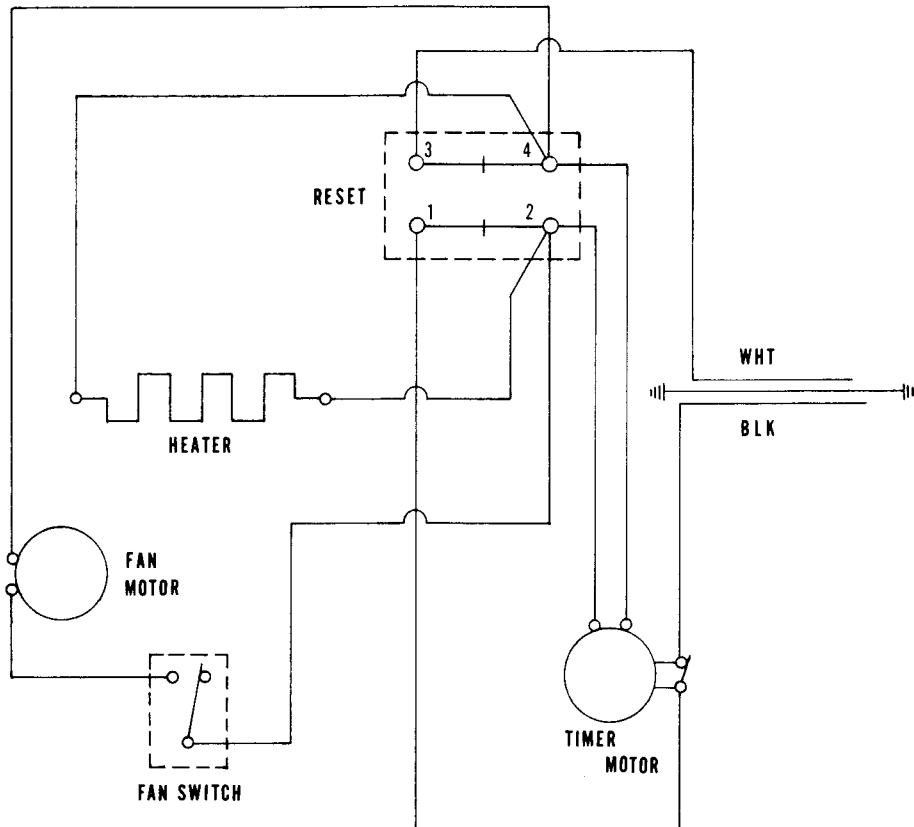
For cleaning we suggest that you use our industrial grade cleaner called Lumen II (which may be purchased through your distributor), or a cleaner of your choice. **DO NOT USE AN ABRASIVE CLEANER OR STEEL WOOL CLEANING PADS.**

NOTE: DO NOT CLEAN YOUR UNIT WITH ALCOHOL AS IT WILL RUB OFF THE PRINTING ON THE DECALS.

Use the following procedure for cleaning:

- a. Make sure the unit is turned "OFF" and disconnected from the electrical source.
- b. Drain the boiling tank.
- c. Fill boiling tank half full of water.
- d. Add cleaner.
(The amount of cleaner you use may need to be increased depending upon the kind and type of mineral deposits in your boiling tank.)
When Lumen II or another commercial cleaner is used, follow the directions on the package.
- e. Mix well.
- f. Fill boiling tank with water to the bottom of the water level gauge.
- g. Let solution stand overnight or until the mineral content softens. **UNDER NO CIRCUMSTANCES SHOULD THE CLEANING SOLUTIONS BE HEATED AND RUN THROUGH A STEAM STERILIZATION OR DISTILLATION CYCLE.**
- h. The next morning drain and rinse the boiling tank thoroughly.
- i. Be sure to refill the unit with water before beginning to distill water again.

AQUA CLEAN WIRING DIAGRAM



TROUBLE SHOOTING

1. Reset may have "kicked" off. If unit is hot, allow to cool. Cooling may be hastened by draining the boiling tank and refilling with cold water to water level gauge. Using the eraser end of a pencil, push firmly against the reset button. If you hear a "click" the machine has been reset. If you do not hear a "click" allow the unit to cool for 15 minutes more and push reset button again. If no click is heard, the problem is not with the reset.
2. Should the above fail, check to make sure that you have power to the electrical wall outlet. A good check for this is to take an appliance or lamp you know works and plug it into the wall outlet.
3. Common causes of machine failure:
 - a. Power failure
 - b. Power cord pulled from wall outlet
 - c. Timer turned "off"
 - d. Reset kicked "off"

CAUTION: Should it ever be necessary for you to install parts, always disconnect the unit from the electrical wall outlet.

HOW TO ORDER REPAIR PARTS

When ordering repair parts, always give the following information:
Part Number, Part Name, Model Number, Serial Number.

ALWAYS ORDER BY PART NUMBER - NOT BY KEY NUMBER!

<u>Key No.</u>	<u>Part No.</u>	<u>Part Name</u>
2	518	Drain valve extension tube
3	531	Bottle hook
4	517	Condensing coil extension tube
5	2510	Timer assembly
6	7039	Reset
7	7052	Fan switch
8	9508	R-17 90° drain valve
11	9544	Condensing coil
13	7010	Fan blade
14	2503	Motor assembly
15	7022	Heating element 650 watts
17	2504	Power cord
	519	Lid disc
	8001	Lid knob
	6022	Lid "O" ring
	402	Lid crossbar with stud



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