

Wiring for AR60T



EmberGlo



AR60T - Wiring Front Open Self Contained Water Supply Counter Top Steamer with Timer

Discontinued Steamer



CAUTION: This steamer to be used with distilled water only (demineralized). Without treated water, deposits can build up in steam generators causing reduced steam volume and eventual stoppage of steam production. Clogged or limed steam generators caused by use of non-distilled water will not be covered under the terms of the warranty.

AR Series -Self Contained Water Reservoir and Pump - Stainless steel construction, Top injecting, portable, removable water drawer, manual pump or timer, 6' - 3 wire cord.

Special Note: The AR Series requires distilled or demineralized water. Clogged or limed generators caused by use of non-treated water will not be covered under the terms of the warranty

Specifications:

- 120 volts 60HZ AC 1500 watts, max 13 amp
- Automatic timer operation
- Closed generator
- Drawer style steamer
- Single shot operation
- End of cycle buzzer

Warranty

See the back of the AR60CTS manual (8471-13) for warranty.

This warranty does not apply to damages resulting from accident, misuse, abuse or alteration.

No equipment may be returned without written authorization from EmberGlo (or Midco). Returned goods must be shipped prepaid to the factory.

Warranty card must be filled in and returned to EmberGlo (or Midco) to validate warranty.

This manual contains sufficient information for installation of the EmberGlo Steamer in normal locations.

In the United States, installation must conform with local codes,

PURCHASER: Retain these instructions for future use.

Post, in a prominent location near the broiler, instructions for turning off gas valves in case gas odor is detected and any other instructions as advised by your local gas supplier.



CAUTION: Cooking equipment should be used in an environment protected by an automatic fire suppression system. Consult the National Fire Protection Association NFPA Code 96 or the latest edition of Standards for Installation of Equipment for Removal of Smoke and Grease-Laden Vapors From Commercial Cooking Equipment.



WARNING: Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

AVOID ERROR IN PARTS SELECTION. When ordering use complete EMBERGLO Part Number and Description. Furnish Model Number, Bill of Material Number and Serial Number (if available) from the specification plate found on the product. **IMPORTANT:** Availability of parts as well as specifications are subject to change without notice. Please consult factory for item availability.

SAFETY INFORMATION TERMS: The following terms are used to identify hazards, safety precaution of special notations and have standard meanings throughout this manual. They are printed in all capital letters using a bold type face as shown below, and preceded by the exclamation mark symbol. When you see the safety alert symbol and one of the safety information terms as shown below, be aware of the hazard potential.



DANGER:

Identifies the most serious hazards which will result in severe personal injury or death.

WARNING:

Signifies a hazard that could result in personal injury or death.

CAUTION:

Identifies unsafe practices which would result in minor personal injury or product and property damage.



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Model AR60T (Discontinued Steamer) - Wiring Information

⚠ DANGER: READ AND UNDERSTAND THIS BULLETIN THOROUGHLY BEFORE STARTING ANY TROUBLE SHOOTING. AN INADVERTENT SERVICE ERROR COULD RESULT IN SEVERE PERSONAL INJURY OR DEATH. ONLY A TRAINED EXPERIENCED SERVICE TECHNICIAN SHOULD ATTEMPT ANY REPAIR PROCEDURE.

Qualified serviced agencies are available at most locations - Refer to EmberGlo listing of AUTHORIZED SERVICE AGENCIES included in Standard Equipment Catalog.

Note: Before attempting service, unplug power cord. For service or examination, all "working parts" of the steamer are exposed by removing first the cabinet top, then the back. The wiring diagram and spare cleanout gasket is located on inside of back.

Electric Switch/Thermostat

- The on-off switch should audibly "click" when operated manually. To determine if electrically operative, a continuity check should be made.
- The overheat protection fuse is set for a single use and is non-adjustable and should not be repaired. Replace if defective with a non-adjustable, non-repairable fuse
- The thermostat is adjusted at the factory default setting. It is not recommended to re-adjust the setting. If found defective it is recommended to replace.

Pump System

The pump system is an electrical vibrator type which is controlled by the main timer. It supplies power to the solid state (#606) recycle timer. A failure in this circuit may be traced from the main timer thru the solid state timer. Please note that the "on" time of the solid state timer may be as short as .1 second and then 10 seconds "off". See the schematic for test points. If the pump is operating but not pumping, check that the filter mounted on the inlet side of pump is not clogged, if so, remove and clean. If still not streaming, refer to the "Steam Generator" section of this manual.

Timers

There are three timers in this system.

1. Push-button Automatic Reset - times length of cycle in minutes and supplies power to the solid state timers. To determine if timer is functioning properly a volt meter or test lamp may be used. See schematic for test points.
2. Solid State Programmable Recycle #606 - times length of shot (.1 second adjustable) and time between shots (10 seconds adjustable). To determine if timer is functioning properly, a volt meter or test lamp may be used. See schematic for test points.
3. Solid state delay interval programmable timer - 6013 - buzzer item delay and buzzer time. Factory set at .1 second delay and 10.0 second on time. To determine if timer is functioning properly, a volt ohmmeter or test lamp may be used. See schematic for test points.

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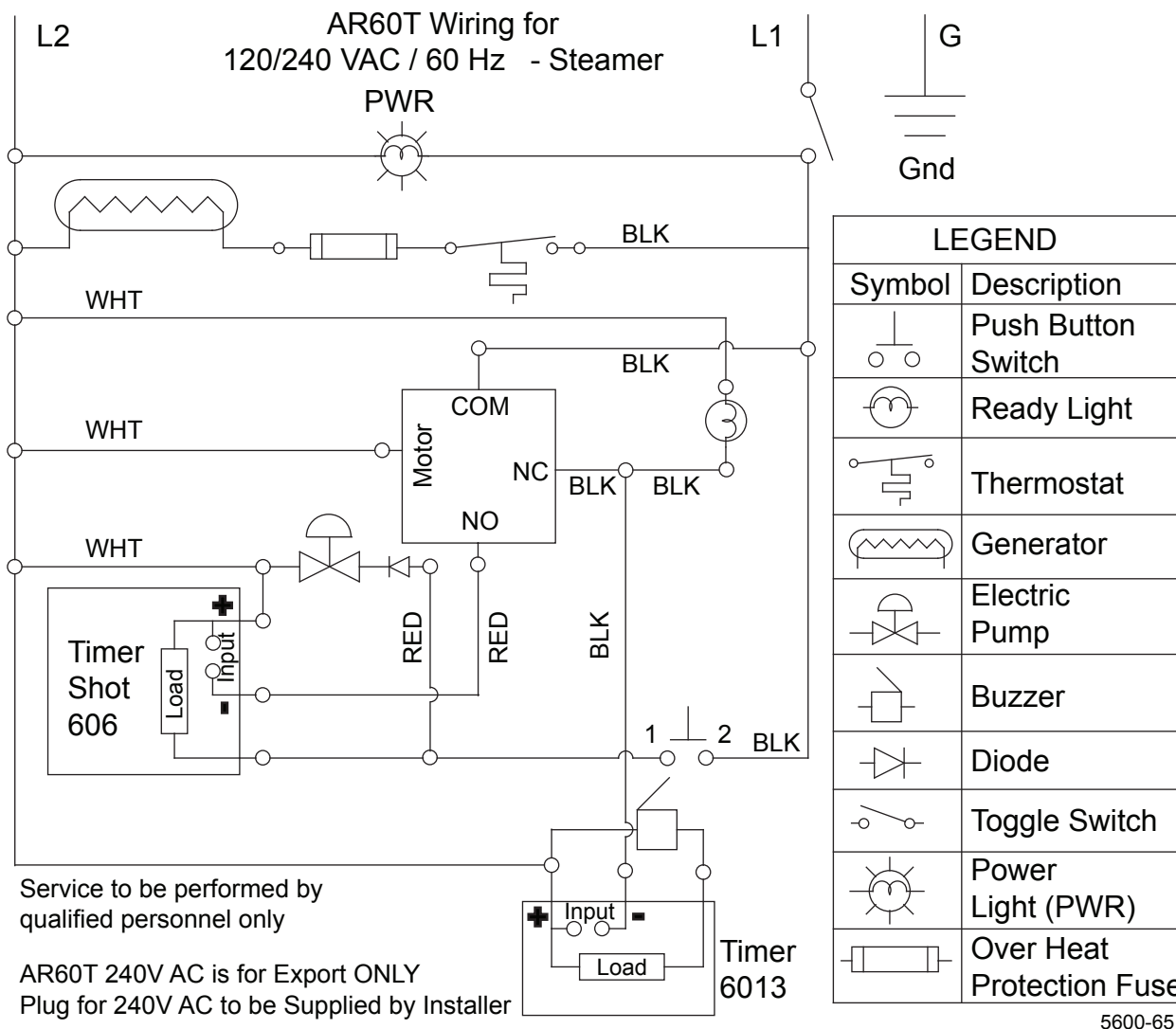


Figure 1. Wiring for AR60T Steamer

1. **Unit will not heat up; light out.**
 - a. No power.
 - b. Plug out.
 - c. Loose internal connection.
 - d. Defective switch.
2. **Unit will not heat up; light on.**
 - a. Defective thermostat.
 - b. Loose heating element connection.
 - c. Defective generator unit.
 - d. Defective thermal fuse or open
3. **Unit heats up light will not light.**
 - a. Defective light in switch.
 - b. Loose connection.
4. **Unit heats up; does not steam.**
 - a. No water in pan.
 - b. Defective pump.
 - c. Cam, pins or linkage broken or disengaged.
 - d. Leak in inlet tube.
 - e. Dip tube spring assembly misaligned.
 - f. Clogged steam generator.

Trouble Chart

Note: If electrical trouble is other than loose connections, it is recommended that parts be replaced rather than repaired.

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