

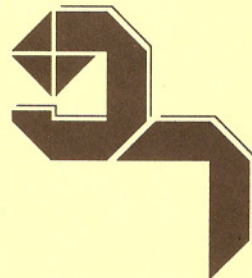
# HOTOMATIC GAS WATER HEATER – LP GAS TROUBLE SHOOTING CHART

Internet: <http://www.little-giant.com>

National Toll Free WATS Line 1-800-231-6035  
FAX 409-883-9605  
Phone 409-883-4246

105 Donnell - P.O. Box 518 • Orange, Texas 77631 - 0518

*Little Giant Manufacturing Company, Inc.*



## V. LOUDER THAN NORMAL NOISE IS HEARD WHEN MAIN BURNER IGNITES:

1. Pilot flame is too small.  
A. See III #2 A, B, C.
2. Pilot burner has been hit moving its location.  
A. Use vise-grip type pliers to bend pilot bracket so pilot flame goes between two burner jets and ignites gas promptly.

## VI. FLAME COMES OUT BOTTOM OF HEATER OR BURNER FLAME FLOATS:

1. Vent is stopped up.  
A. Unstop vent.
2. Diverter or starkap is off.  
A. Install diverter or starkap.
3. Wind is blowing down into heater.  
A. Install diverter or starkap.
4. Burner jet orifices are too big.  
A. Install new burner jets. Orifice size 56 ( $\frac{3}{64}$ " for natural gas.  
Orifice size 68 ( $\frac{1}{32}$ " for LP gas. Screw thread size –  $\frac{5}{16}$ " X 27.

## VII. PILOT WILL LIGHT BUT MAIN BURNER WILL NOT COME ON:

1. On-Off pilot knob must be turned to "ON" position.  
A. Turn knob to "ON" position.
2. LP Gas pressure is adjusted too high. LP Gas pressure should not be over 8 oz./sq. in. or 13.82" H<sub>2</sub>O column pressure.  
A. Adjust gas pressure regulator to correct pressure. See II #2 A.

## VIII. PILOT GAS WILL NOT IGNITE FROM PIEZO LIGHTER:

1. Lighting spark is not located properly.  
A. Use vise-grip pliers to bend Piezo Grounding Wire so spark jumps to Pilot Head Gas.