⚠ Read Carefully ⚠

Installation of gas appliances must be performed by licensed professionals.

Failure to follow these instructions may void the product warranty.

This lantern is supplied with an electronic ignition system (ELI). The ELI has passed several operational tests in our facility. This includes being tested inside this lantern for proper operation. Please read and understand the operational and start up procedures outlined in these instructions.

Start Up Requirements

1. **Read the INSTALLATION AND SAFETY INSTRUCTIONS FOR GAS LANTERNS that are supplied with the lantern.**
2. The ELI must be connected to a 110 vac current. See Figure 1.
   The ELI will not operate when connected to dimming devices.
3. The gas connection should be made using a 1/4" flare fitting that is supplied with the ELI. (See Figure 1)
4. The ELI must be supplied with a maximum inlet pressure of 15" water column (wc) and minimum pressure of 8" water column (wc). If the inlet pressure exceeds the maximum pressure, an additional external gas pressure regulator must be installed. The external regulator is not supplied by The Coppersmith.
5. The ELI is supplied with a Gas Pressure Regulator connected to the bottom of the ELI. The outlet pressure has been preset to achieve the proper flame height. **DO NOT ADJUST THE GAS PRESSURE REGULATOR.**
6. The sparking wire may have moved during shipping. Make sure the sparking wire is positioned at a 90° angle and is centered over the burner tip. (See figure 1)
6. After the Lantern has been installed with the gas and electrical connections made, you must purge the gas lines of oxygen. This can be accomplished by cycling the ELI through the ignition sequence several times until a steady flow of gas has been achieved. (See the ignition sequence below.)
7. ⚠ Test all gas line connections for leaks. ⚠

Ignition Sequence

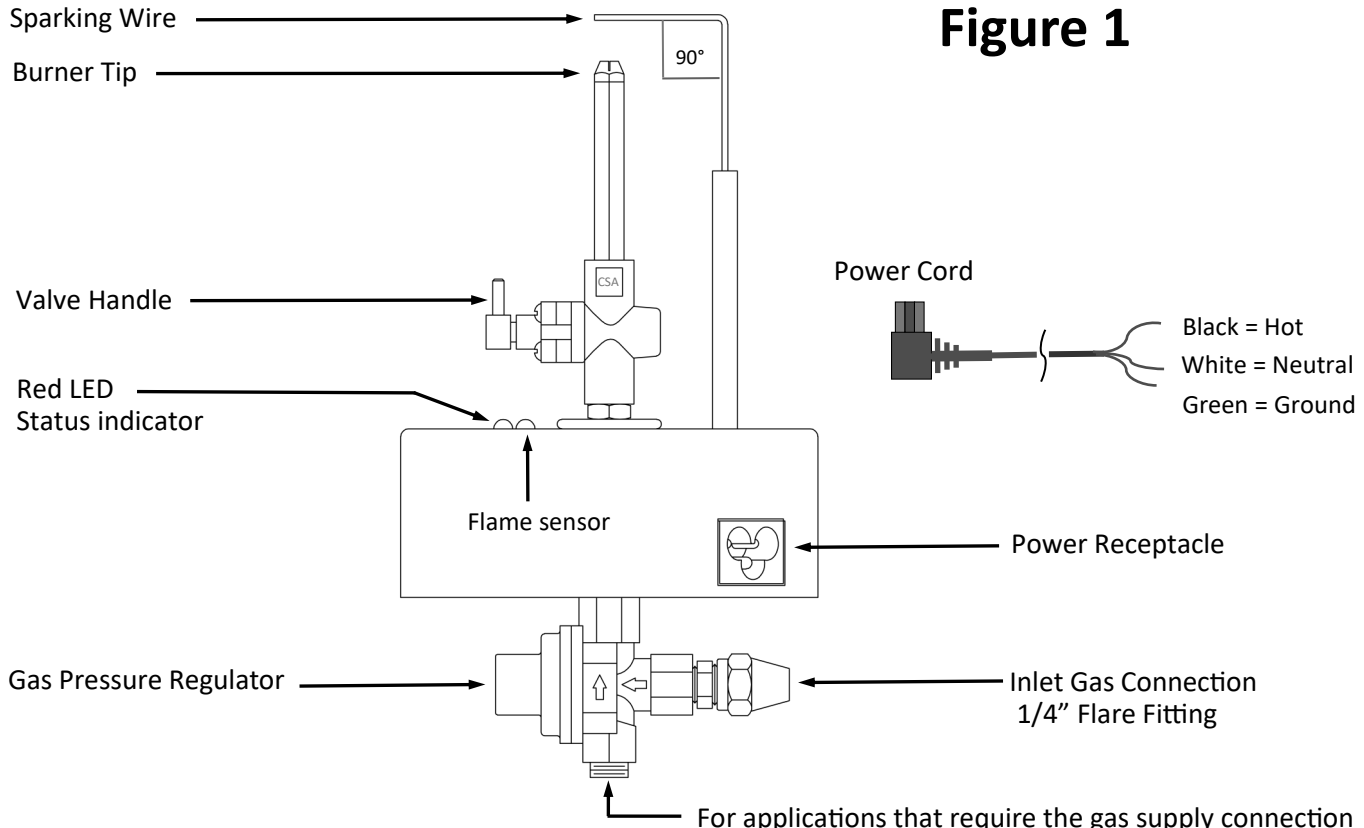
1. Turn on the gas supply to the lantern.
2. Make sure the valve is in the open position. (See Figure 1)
3. Turn on power to the ELI.
4. When power is turned on, the ignition wire will begin sparking to the top of the burner tip. The sparking will last for approximately 10 seconds and pause. The flame should ignite. If the flame fails to ignite, the sparking will repeat two more times. If the flame fails to ignite, the red LED will begin blinking indicating that the system has completed the ignition sequence.
5. To repeat the ignition sequence, turn off power to the ELI, wait 5 seconds and turn the power back on. The ignition sequence will repeat.
6. The red LED will remain on when the flame is lit and indicates the ELI is operating properly.
7. The ELI is supplied with a flame sensing devise. In the event of a blowout, the ELI will automatically begin the ignition sequence to re-ignite the flame.

DO NOT TOUCH THE BURNER TIP OR SPARKING WIRE DURING THE IGNITION SEQUENCE

⚠ WARNING ⚠

An oversized flame can cause permanent damage to the ELI and the lantern. The flame should maintain a height of between 2.5 and 3 inches tall at it's highest point. If the flame too high, disconnect the power, shut off the gas supply and contact our customer service department for further instructions.

Figure 1



Note: For Navarrete and Gooseneck applications see figures 2 and 3.

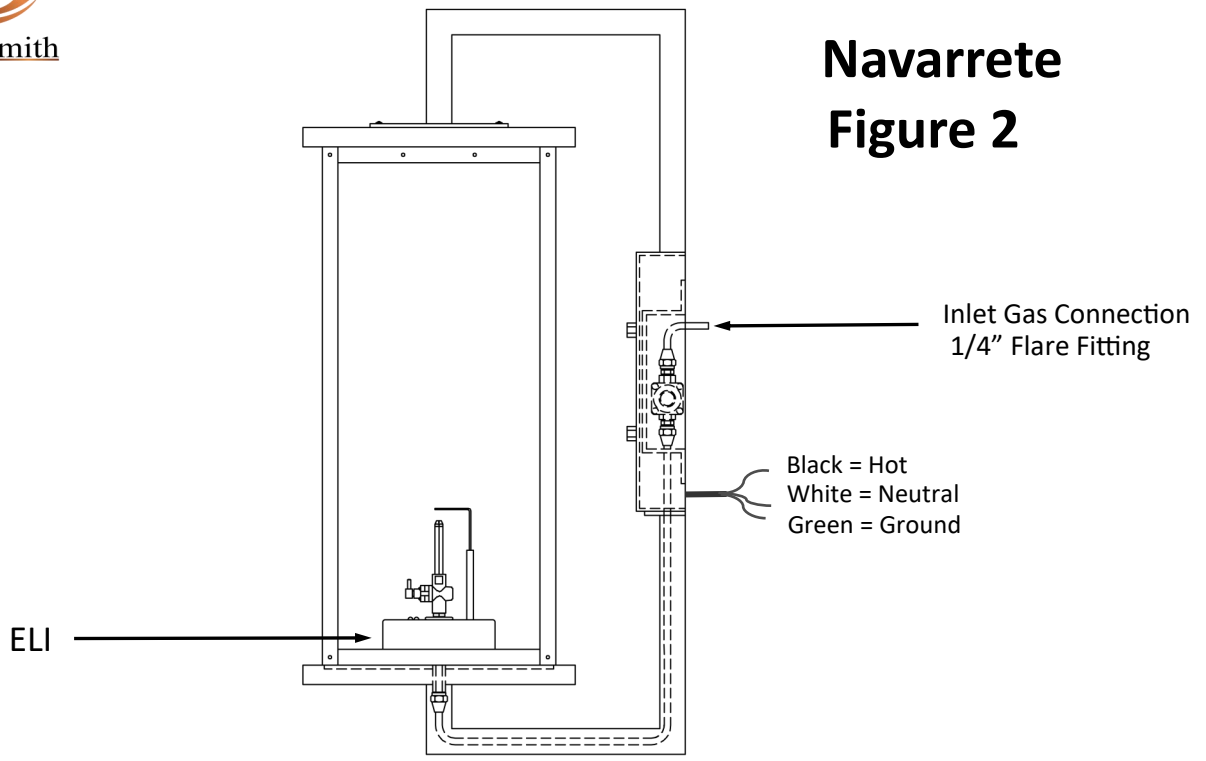
Trouble Shooting

* Make sure the flame sensor is clean and free from any debris that may be obstructing a clear line of sight to the burner tip.
* Make sure the valve handle is in the vertical (On) position. (See figure 1)
* Check the inlet gas pressure to assure the inlet pressure in within tolerance.
* Make sure the power cord is properly plugged into the power receptacle.
* Check for continuous voltage. The ELI does not work with dimming devices.
* Check the position of the sparking wire. Make sure the wire is 90° centered over the burner tip.

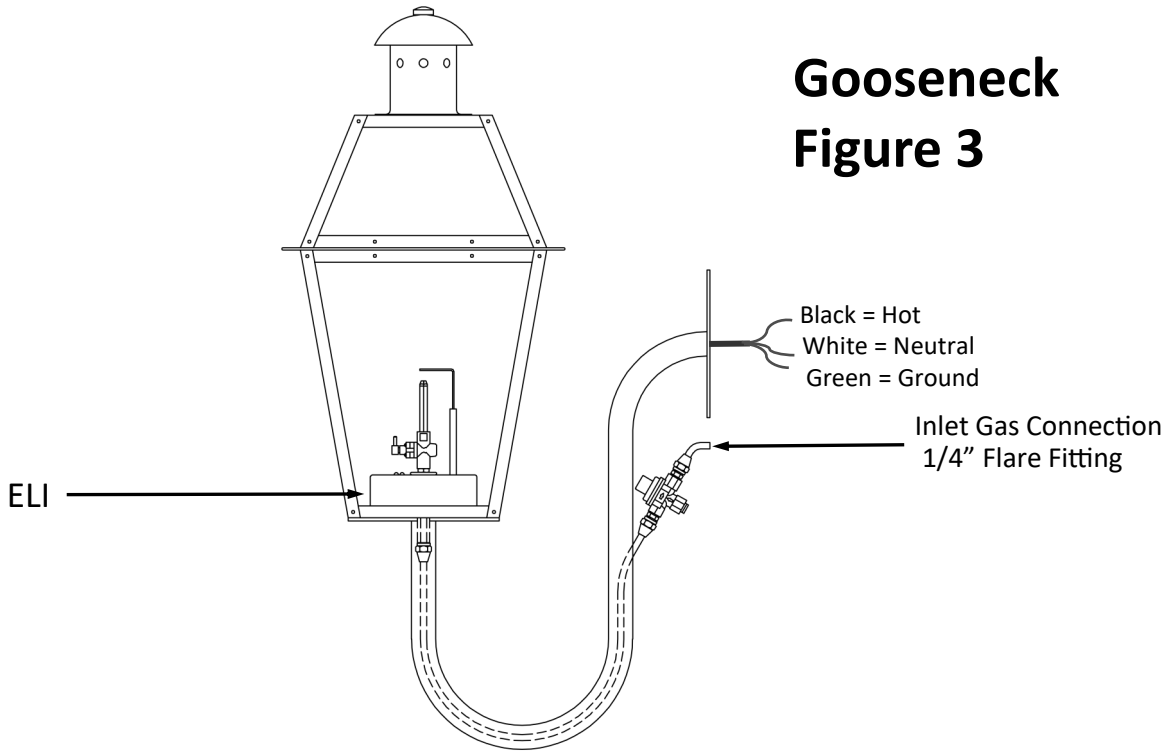
For technical assistance call 251.621.3435
8:00 am — 5:00 pm CST

The CopperSmith

Navarrete
Figure 2



Gooseneck
Figure 3



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