

Glass Cleaning DO NOT SPRAY OR POUR WATER DIRECTLY INTO THE LANTERN

When cleaning the glass be sure to turn the gas or electric fixture off. Using a clean cotton cloth dampened with glass cleaner, remove any dust and dirt from the glass panels. This will greatly enhance the beauty of the gas flame and electric light source.

Exterior Finish

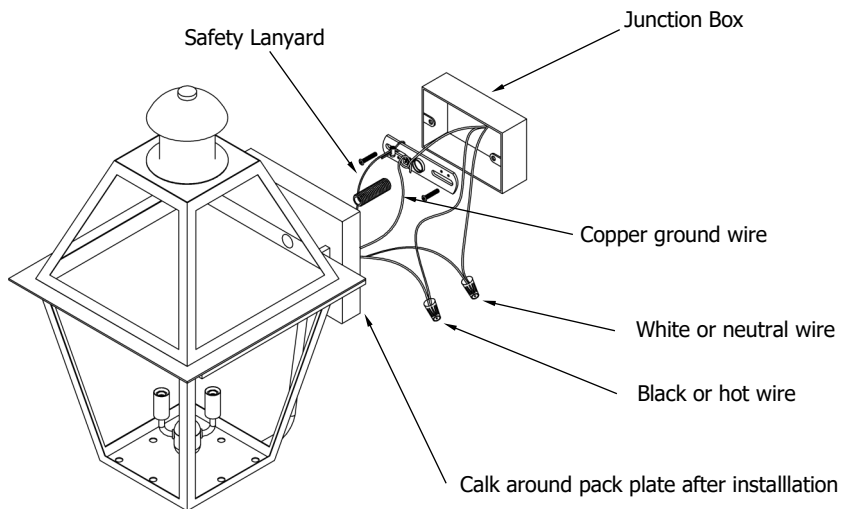
Copper is a natural element that will patina over time. The finish can be maintained using a Scotch Bright or Steel Wool pad and gently buffing the finish to the desired color. A light coat of ordinary car wax applied to the surface and buffed will delay the patina process depending on the atmospheric conditions where the lantern is installed.

Electric Lantern Installation

THIS INSTALLATION SHOULD BE PERFORMED BY A QUALIFIED LICENSED ELECTRICIAN

All electric lanterns should be installed in accordance with The National Electric Code (NEC) or National Fire Protection Association (NFPA 70).

1. Make sure that all power to the installation point has been disconnected.
2. Follow steps 1 through 5 in the Gas Lantern Installation section on page 2.
 - 2a. If supplied, install the safety lanyard.
3. Connect the building ground wire and the lantern ground wire to the mounting strap using the ground wire retaining bolt.
4. Connect the white wire to the neutral wire and the black wire to the hot wire coming from the junction box using the wire nuts. (Supplied) It is recommended that the common and hot wire connections be carefully wrapped with approved electrical tape.
5. Carefully tuck all wires into the junction box. Make sure that no wires can be pinched or trapped between the mounting surface and mounting plate on the lantern.
6. Place the center hole of the mounting bracket over the threaded nipple and secure the lantern using the brass cap nut. (Supplied)
7. Use water proof calking to seal the pack plate onto the mounting surface.
8. Install the light bulbs. (See fixture markings for maximum bulb wattage.)
9. Reconnect power to the installation point.



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INSTALLATION AND SAFETY INSTRUCTIONS FOR GAS LANTERNS

NOTE: INSTALLATION INSTRUCTIONS ARE TO BE LEFT WITH THE CUSTOMER AND RETAINED FOR FUTURE REFERENCE



DANGER

FIRE OR EXPLOSION HAZARD

If you smell gas:

1. Shut off gas to the appliance.
2. Extinguish any open flame.
3. If odor continues, leave the area immediately.
4. After leaving the area, call your gas supplier immediately.

Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury or death.



WARNING

FIRE OR EXPLOSION HAZARD

Do not store or use gasoline or any other flammable vapors and liquids in the vicinity of this or any other appliance.
Do not obstruct the air flow openings on the top or bottom of the gas lantern.

Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury or death.

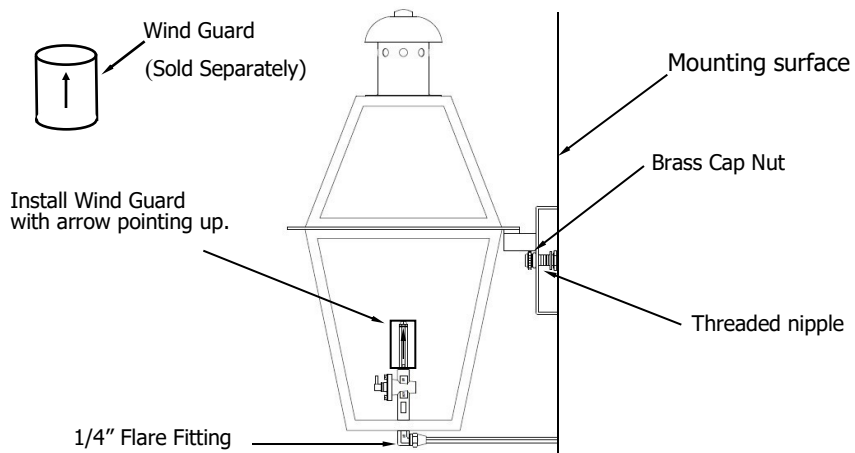
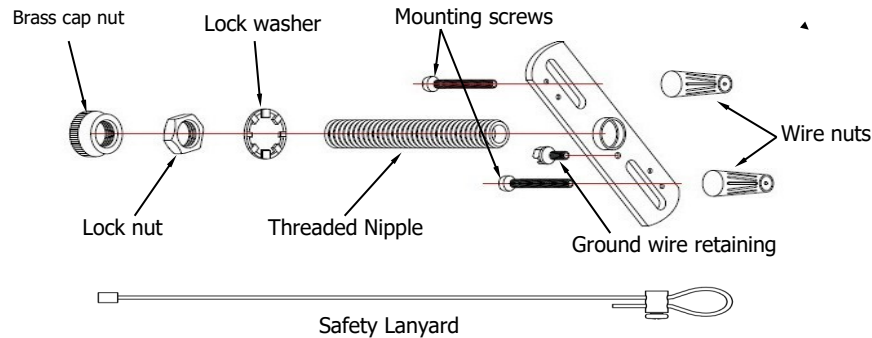
IMPORTANT INSTALLATION NOTES

1. Gas lanterns should be installed by a licensed qualified installer and in compliance with local codes and regulations, or in absence of local codes, in compliance with National Fuel and Gas Code: ASNI Z2231.1. CAN-B149.1 INSTALLATION CODE FOR NATURAL GAS BURNING APPLIANCES, CAN-B149.2 FOR PROPANE GAS BURNING APPLIANCES.
2. It is recommended that a shut off valve be installed between the lantern and the gas supply line.
3. Gas lanterns are equipped with burners that designed to use 1/4" semi-rigid internally tinned copper tubing.
4. The maximum natural gas pressure for a gas lantern is 11" water column and 3" minimum water column.
5. The maximum propane pressure for a gas lantern is 11" water column and a minimum of 4".
6. If two or more lanterns are supplied by the same gas line, proper gas line sizing is required.
7. Gas pressure regulators are REQUIRED to assure that the maximum gas pressures are not exceeded.
8. It is highly recommended that a gas pressure regulator with an outlet pressure of 4" water column be used on each lantern.
9. Gas line connections should thoroughly checked for leaks before lighting the lantern.
10. Gas lanterns should be installed a minimum of 12" vertical and 6" horizontal clearance from any combustible materials.
11. The surfaces of gas lanterns become very hot during normal use and should be installed out of the reach of persons or animals to prevent burns due to accidental contact.
12. Gas lanterns should be installed in well ventilated areas.
13. Gas and electric lanterns that are post mounted are designed to be used on a 3" outside diameter round steel post with a wall thickness of .064".
14. All gas lanterns are for outdoor use only.

Gas lantern installation

1. Remove the lantern from the packing and inspect for any damage that may have occurred during shipping.
2. Make sure that all hardware that is shown on Figure (1) is inside the parts bag.
3. Attach the mounting strap to a standard 4" x 4" x 2" junction box. (If mounting to a masonry surface it will be necessary to use the appropriate anchors. If mounting to a wood surface it will be necessary to use the appropriate wood screws.)
4. Screw the threaded nipple into the mounting strap leaving approximately 1-1/8" of threads extended out past the mounting strap.
5. Place the center hole of the mounting bracket over the threaded nipple and secure the lantern using the brass cap nut. Use a pair of adjustable pliers to tighten the cap nut.
6. Install the wind guard making sure that the arrow in point up.
7. Attach the gas line using a 1/4" flare fitting.

Note: This step should be performed by a licensed professional.



Testing the gas lines for leaks

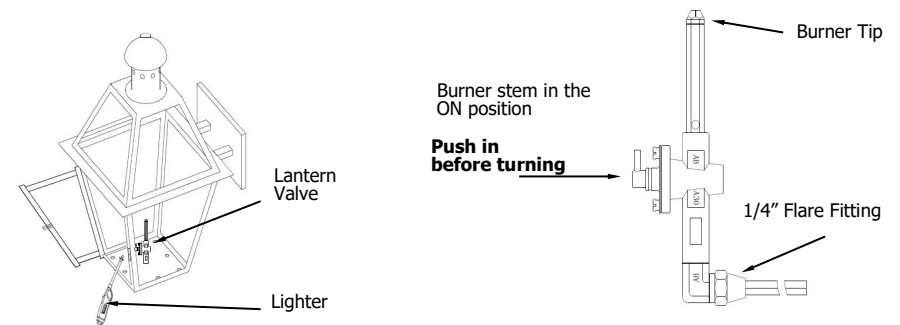
1. Make sure the gas valve is in the off position.
2. Turn on the main gas supply valve.
3. Using an approved testing solution, spray all gas connections and check for any visible gas leaks. This will normally be seen as bubbles.
4. Correct any gas leaks and retest before proceeding to the next step.

Lighting Instructions

Important note: The gas valve stem must be depressed before turning.

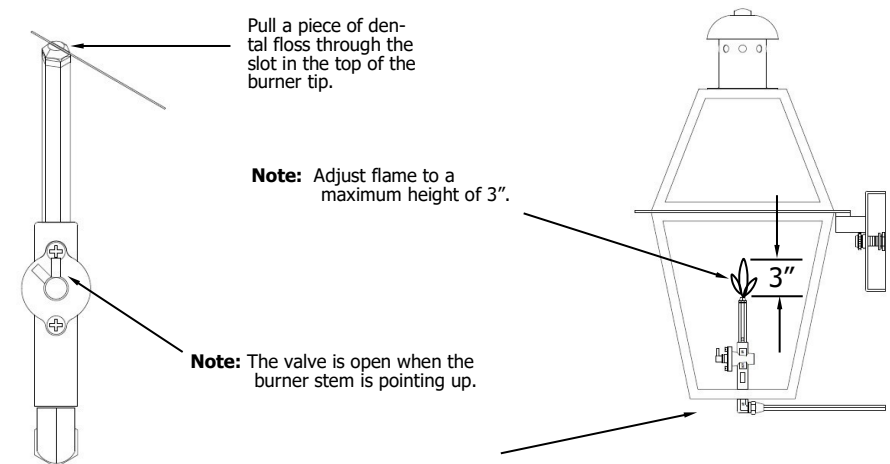
1. Turn on the main gas supply valve supplying gas to the lantern.
2. Turn the lantern valve to the on position.
3. Wait for approximately 2 minutes.
4. Turn the lantern valve off and wait for approximately 2 minutes.
5. Turn the lantern valve to the on position.
6. Using a long stem Bar-B-Q grille lighter, light the flame at the base of the burner tip and adjust the flame to height of no more than 3 inches.

Note: If the burner does not light, it may be necessary to purge the gas lines of air by repeating step 3. If the burner does not light, turn off the main gas supply valve and the burner valve. Call your local gas utility to assure you do not have any gas pressure problems or gas leaks.



Maintenance for Gas Lanterns

It is recommended that the burner tip be cleaned every 6 months or more often depending on the quality of the gas that is being supplied by your gas utility company or if you are using propane or LP gas. This can be accomplished by using a piece of dental floss as shown below.



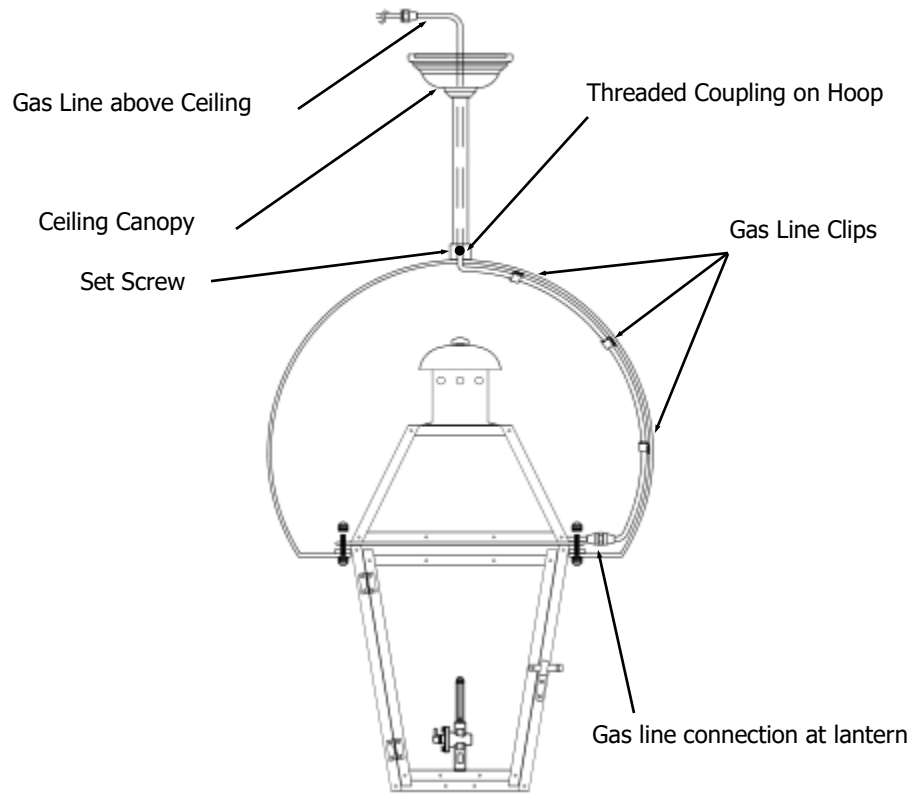
Two times each year, (every 6 months) inspect the air openings in the bottom of the lantern to assure the air openings in the bottom of the lantern open and free from debris.

Yoke Installation Instructions

Installation should be performed by a licensed professional.

Refer to the Gas and Electric Lantern Installation Instructions included with the lantern before beginning the installation.

- Attach the hoop assembly onto the down rod assembly by screwing the coupling on top of the hoop onto the down rod and tighten set screw. (Use thread locking compound)
- Install a flare fitting onto the coiled gas line.
- Uncoil and form the gas line around the hoop.
- Connect the two gas lines together as shown below.



- Connect the gas line to the hoop using the clips and fasteners provided.
- Connect the gas line in the ceiling to the gas supply line.
- Follow the leak testing and lighting procedure as outlined in the Lantern Installation Instructions.

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- Remove yoke from packing and assure that all of the parts in figure 1 are included in the parts bag.

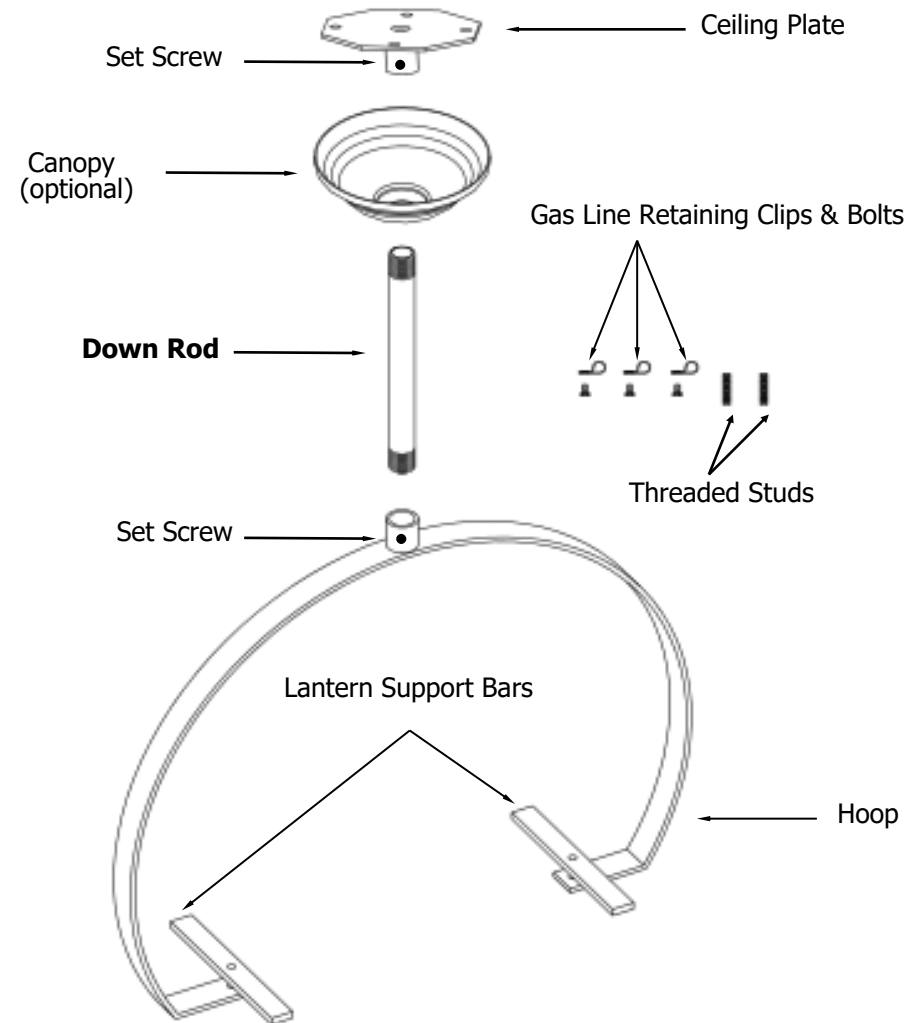


Fig. 1

2. Remove lantern from packing and assure that the gas line is extended from the side with a 1/4" male flare fitting attached. Figure 2.

Gas line fitting.
(1/4" to 3/16" reducer)

NOTE: Electric lanterns are supplied with a coil of wire sufficient for installation extending from the side of the lantern.

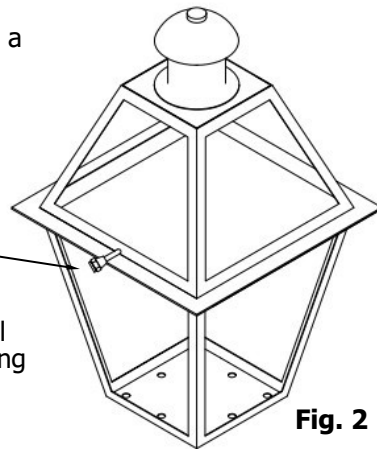


Fig. 2

3. Assemble the Lantern onto the Yoke.

Connect the lantern to the hoop and support bars using the threaded studs. (included in the hardware package) Brass ball nuts required for this step are included with the lantern. Figure 3.

NOTE: Support bars are necessary for proper installation.

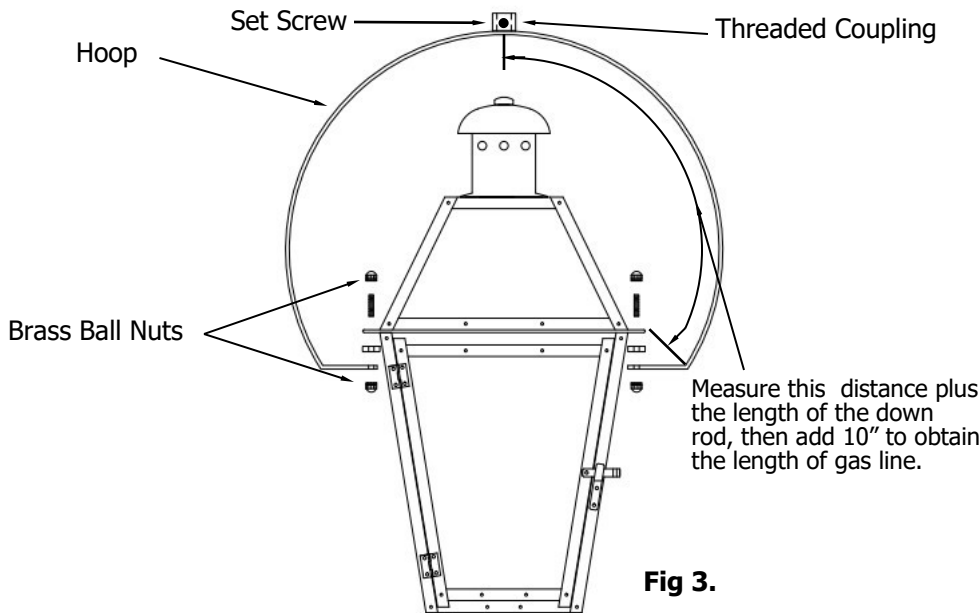


Fig 3.

4. Cut off excessive gas line.

Measure the half perimeter of hoop beginning at the threaded studs and ending at the threaded coupling. Add this measurement to the length of the down rod, then add 10" to obtain the length of the copper gas line to be used in step 7.

Ceiling Plate

5. Install the Ceiling Plate.

When attaching the ceiling plate to the mounting surface the proper fasteners must be used for the material that the plate is being attached to. Masonry anchors should be used for masonry surfaces. Wood screws of a suitable length should be used for wood surfaces. When connecting to Drivet or Stucco surfaces you should consult the manufacturer to choose the best fastener options. For this reason, hardware is not included.

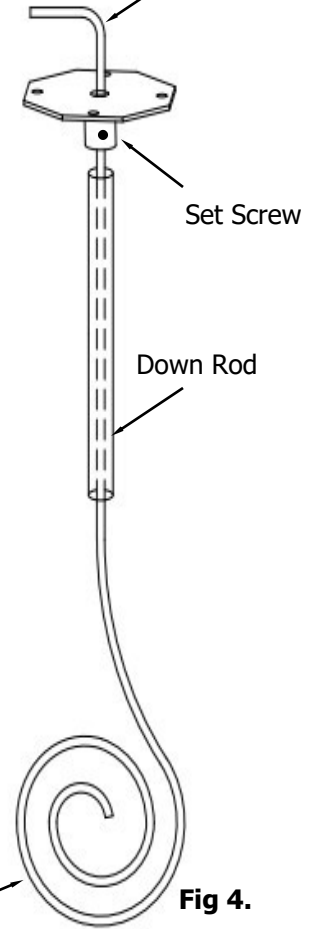
10" of gas line above ceiling

6. Install the Down Rod

Install the down rod into the ceiling plate by turning it clockwise until it is tight and tighten the set screw. A thread locking compound should be used on the down rod to assure connection remains tight.

7. Install the Gas Line.

Using 1/4" flexible copper tube, push the gas line up through the down rod and ceiling plate. (Make sure to allow approximately 10" above the ceiling) Form the remaining gas line into a coil as shown.



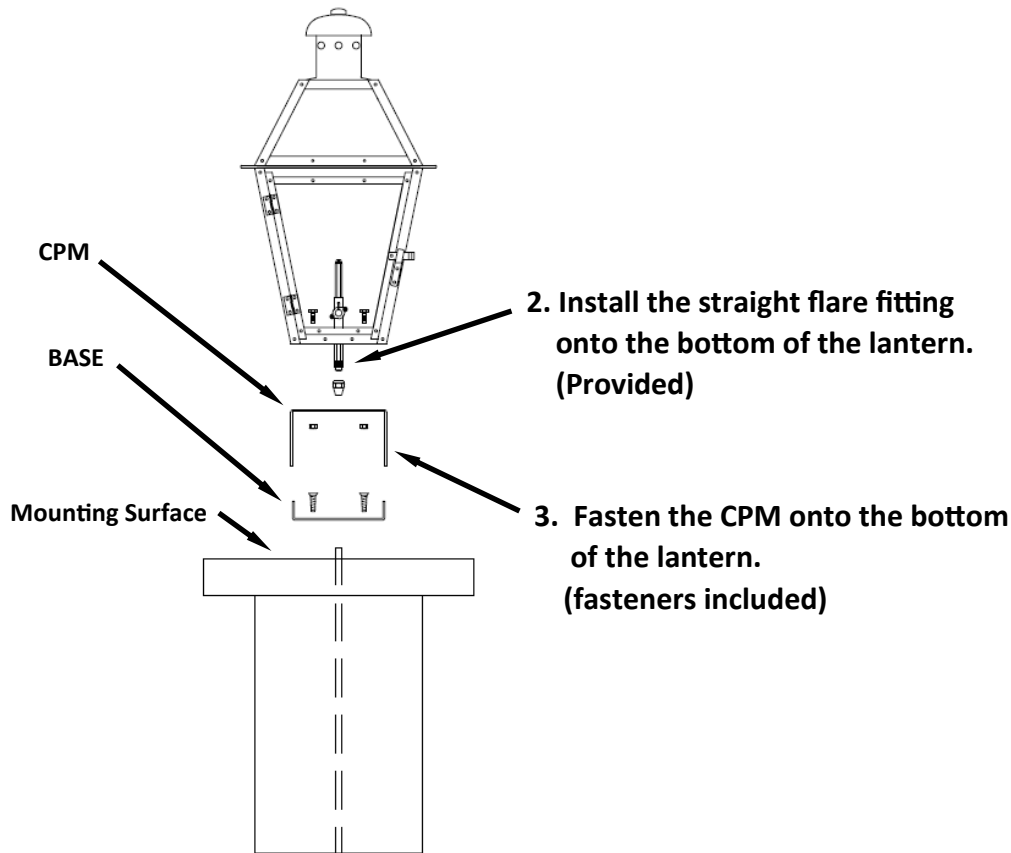
Gas line formed into a coil to allow for hoop installation.

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Copper Pier Mount Installation Instructions

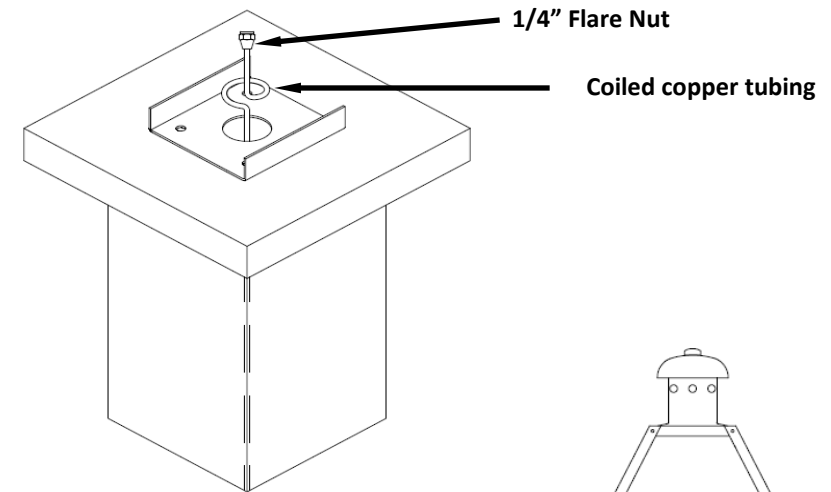
Refer to the Gas and Electric lantern installation instruction provided with the lantern.
This installation should be performed by a licensed professional.

1. Attach the CPM base to the mounting surface using fasteners that are suited for the mounting surface.
(Fasteners for step 1 are not included)



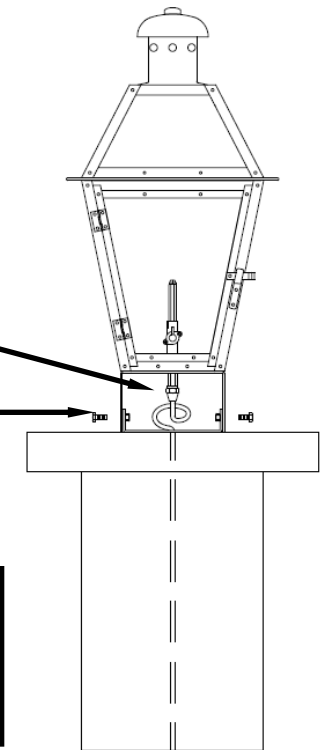
Note: For Electric Lantern installations, refer to the lantern Installation instructions and make electrical connections accordingly.

4. Using 1/4" soft copper tubing, make a coil and attach a 1/4" flare nut as shown.



5. Fasten the 1/4" flare nut onto the straight fitting.

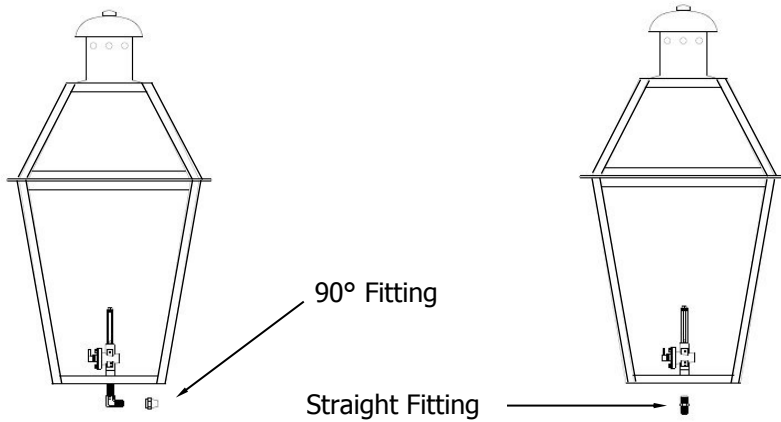
6. Slide the CPM down onto the base. Using the fasteners provided. Connect CPM onto the base.



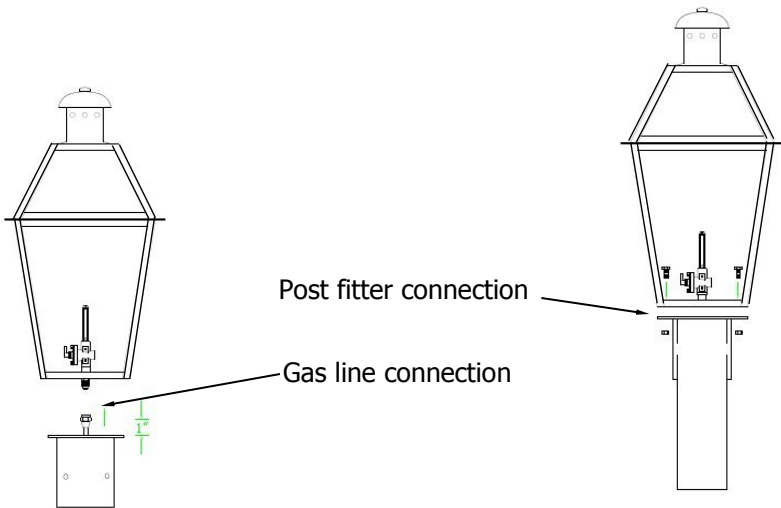
IMPORTANT NOTE
Leak testing should be conducted
Before the CPM is connected to the
Base.

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7. Remove the 90° fitting from the bottom of the gas valve and install the straight fitting onto the bottom of the gas valve.



8. Connect the 1/4" gas line from the post straight fitting on the lantern.
 9. Follow the leak testing procedure outlined in the Gas Lantern Instructions.
 10. Push the flexible tubing down into the post and connect the post fitter to the lantern using the 4 fasteners supplied with the post fitter.



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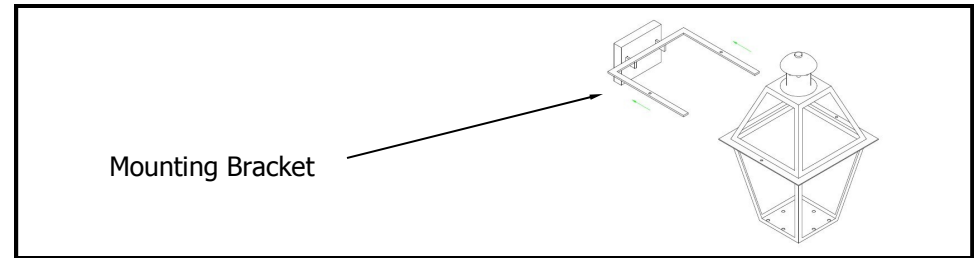
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Post Fitter Instructions for Gas Lanterns

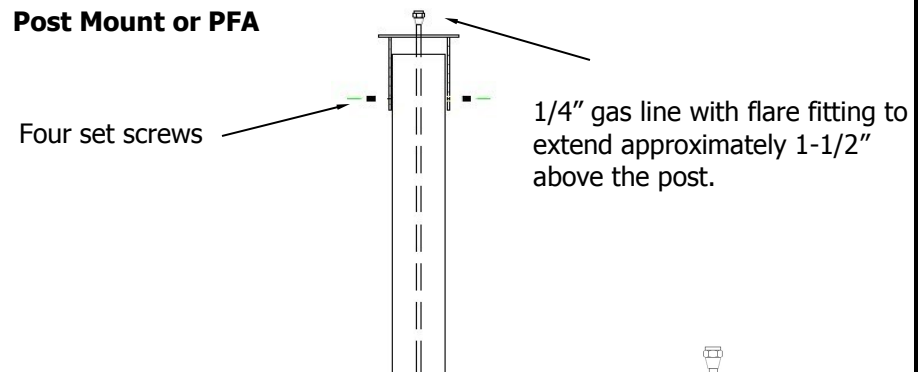
ALL POST FITTERS ARE DESIGNED TO BE USED ON A 3" OUTSIDE DIAMETER POST

1. Remove the lantern from the packaging.
2. Read the installation instructions for Installation of Gas lanterns.
3. Remove the mounting bracket by removing the two brass ball nuts on each side of the lantern. (Gas Lanterns Only)

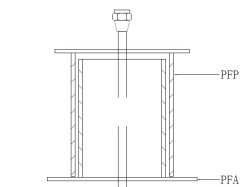


4. A 1/4" flexible copper gas line with a flare fitting should be ran to extend approximately 1-1/2" above the post.
5. Remove the post fitter and hardware from the packaging.
6. Slide the post fitter onto the post and tighten the four set screws provided with the hex wrench provided in the hardware kit.

Post Mount or PFA



Follow the same procedure for Pier or Column mount installations.



Pier Mount or PFA

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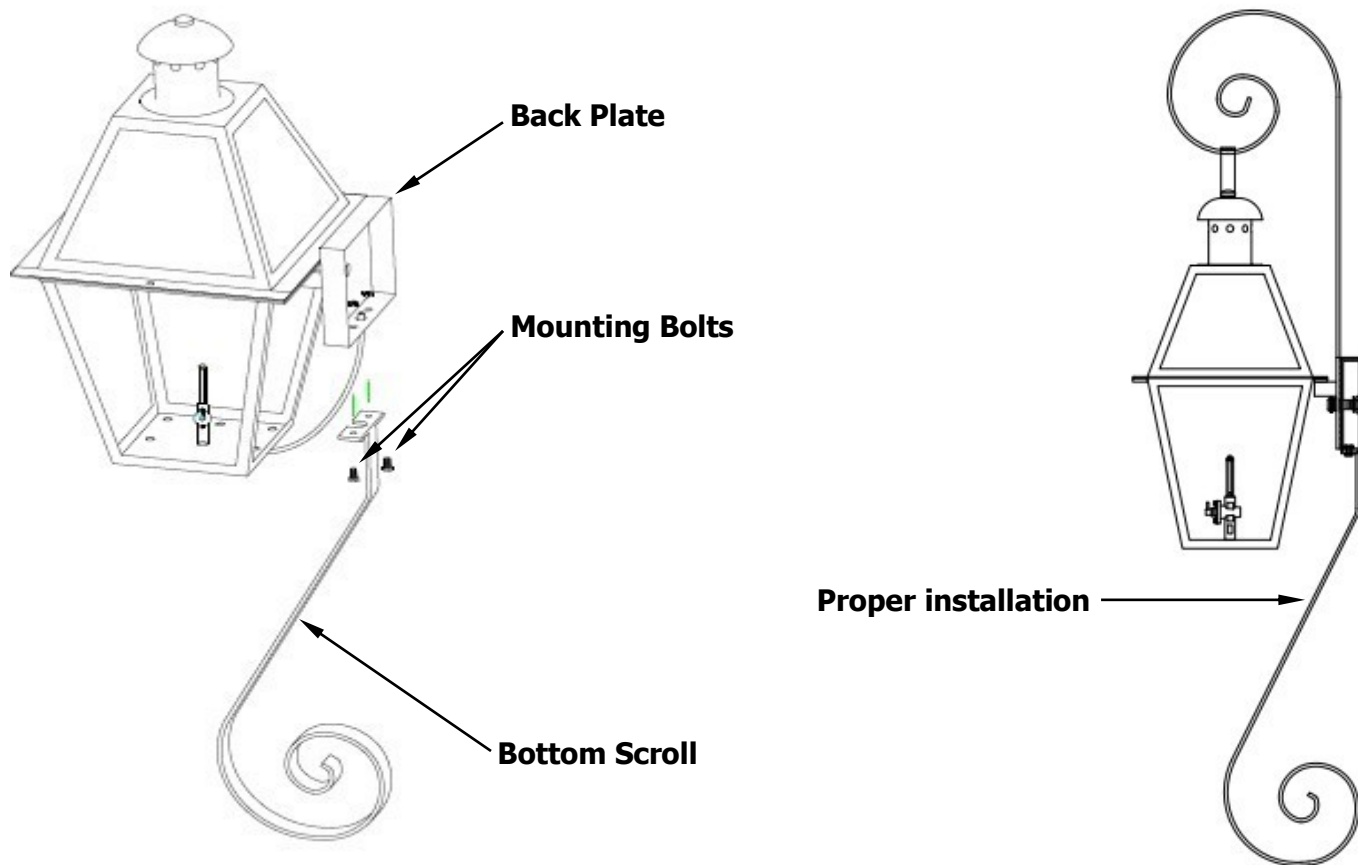
Bottom Scroll Installation Instructions

Installation should be performed by a licensed professional.

Refer to the Gas and Electric Lantern Installation Instructions included with the lantern before beginning the installation.

Note: The bottom scroll should be installed before installation of a Top Scroll and before the lantern is installed

1. Remove the bottom scroll from packing and locate the item shown in figure 1.
2. Attach the two mounting bolts to the bottom of the back plate.
3. Refer to figure for proper bottom scroll installation.



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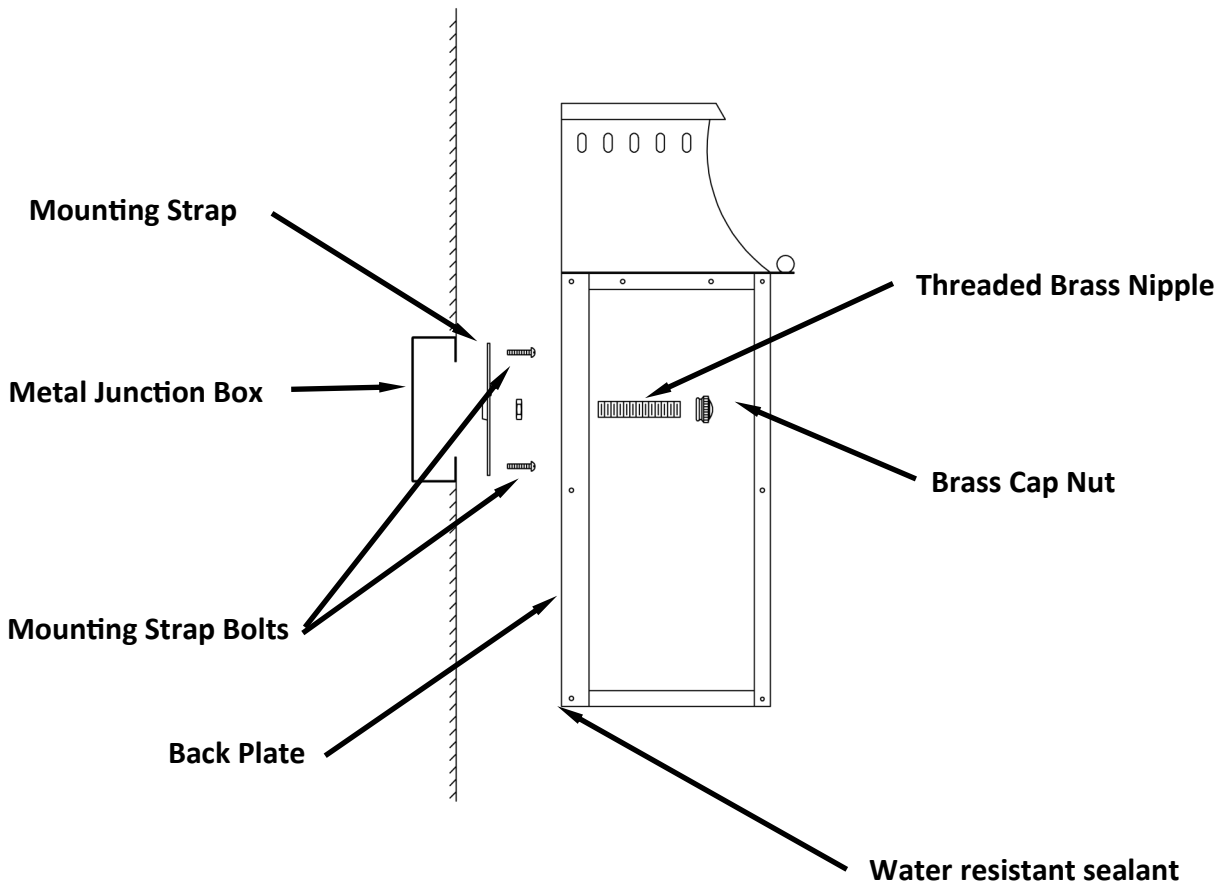
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Flush Mounted Lanterns Mounting Instructions

Installation should be performed by a licensed professional

Refer to the Installation and Safety instructions for Gas and Electric Lanterns

1. Attach the mounting strap to the junction box using the 2 Mounting Strap Bolts. (included)
2. Screw the Threaded Nipple into the Mounting Strap. (included)
3. Place the Back Plate of the lantern over the Threaded Nipple and Secure using the Brass Cap Nut. (included)
4. Refer to the Gas Lantern Instructions manual included with the lantern for gas lantern installation.
5. Refer to the Electric Lantern instructions manual included with the lantern for electric installations.
6. Apply a water resistance sealant between the mounting surface and the lantern.



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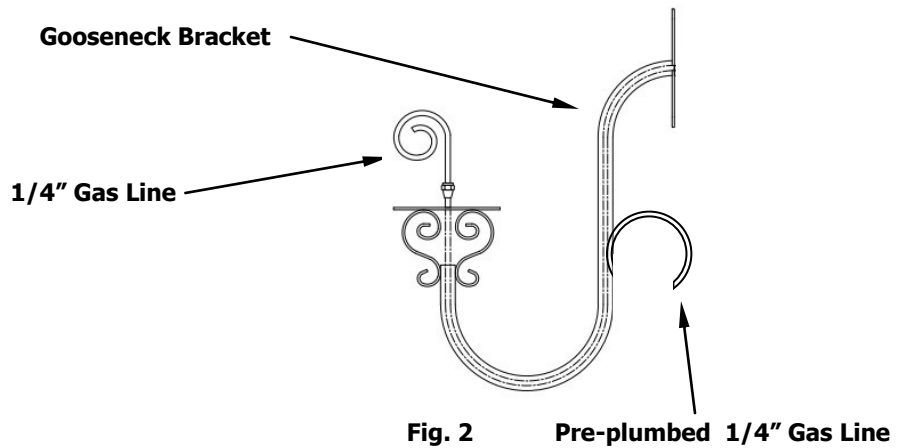
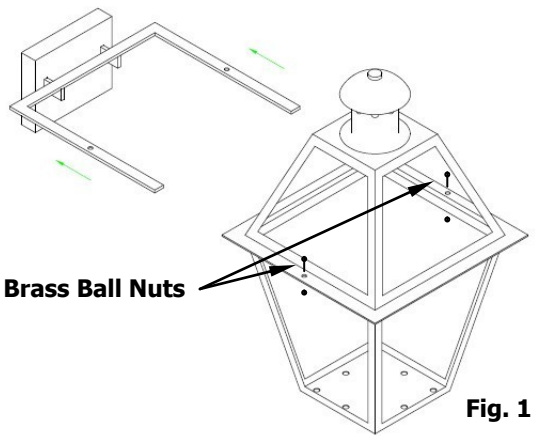
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Gooseneck Bracket Installation Instructions

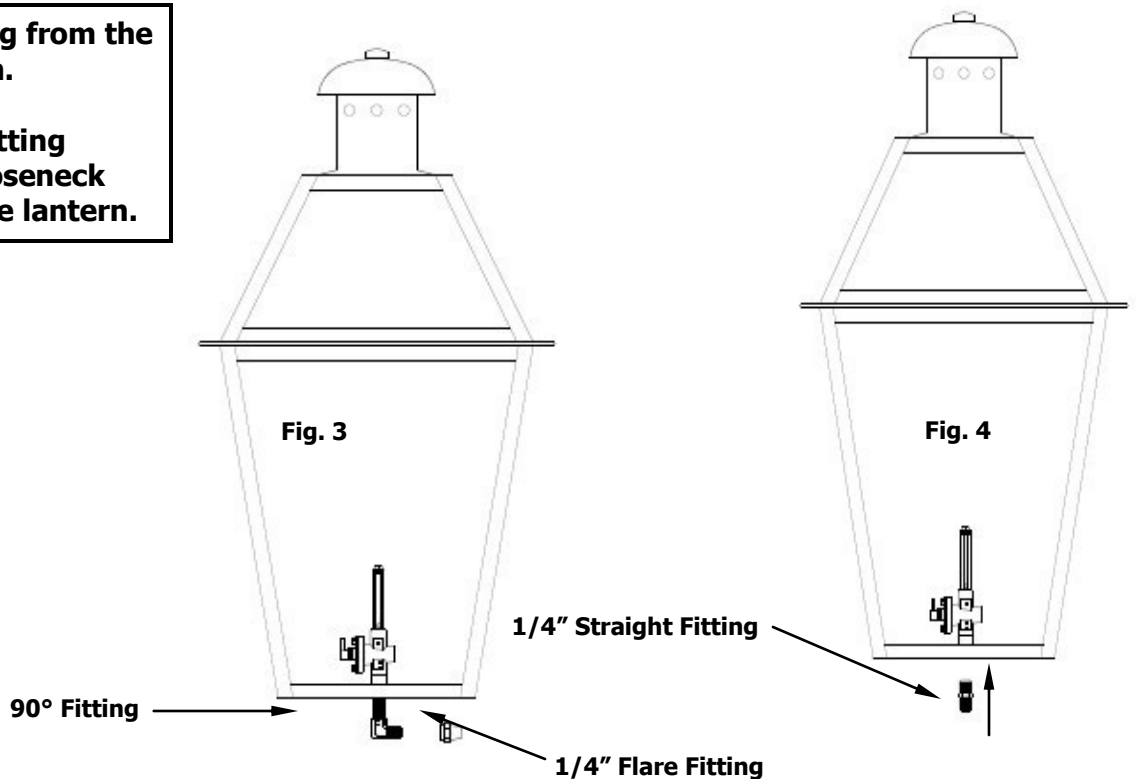
Installation should be performed by a licensed professional.

Refer to the Gas and Electric Lantern Installation Instructions included with the lantern before beginning the installation.

1. Remove the Gooseneck from the packing. (Figure 2)
2. Remove the lantern from the packing. (Figure 1)
3. Remove the lantern from the bracket by removing the 2 brass ball nuts on each side as shown in Figure 1. Re-install the fasteners to plug the hole in the lantern flange.



4. Remove the 90° fitting from the bottom of the lantern.
5. Install the straight fitting provided with the gooseneck onto the bottom of the lantern.



6. Connect the gas line from the Gooseneck onto the Bottom of the lantern. Figure 5.

7. Fasten the lantern onto the Gooseneck using the Bolts and nuts supplied. Figure 6.

8. Cut off the excess gas extending from the gooseneck pipe and install a 1/4" flare fitting.

9. Connect the gas supply line and Gooseneck gas line.

Gooseneck connection to Lantern using 1/4" flare fittings

10. Fasten the Gooseneck back plate to the mounting surface.

When attaching the back plate to the mounting surface the proper fasteners must be used for the material that the plate is being attached to.

Masonry anchors should be used for masonry surfaces. Wood screws of a suitable length should be used for wood surfaces.

When connecting to Drivet or Stucco surfaces you should consult the manufacturer to choose the best fastener options. For this reason, hardware is not included.

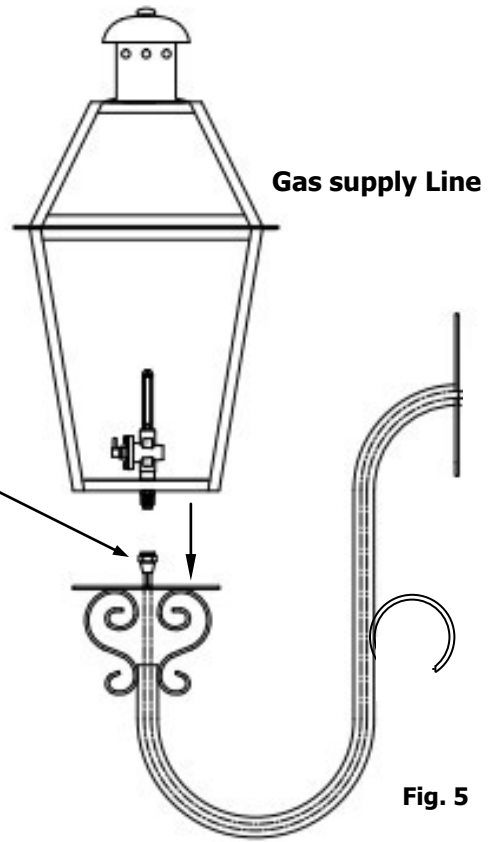


Fig. 5

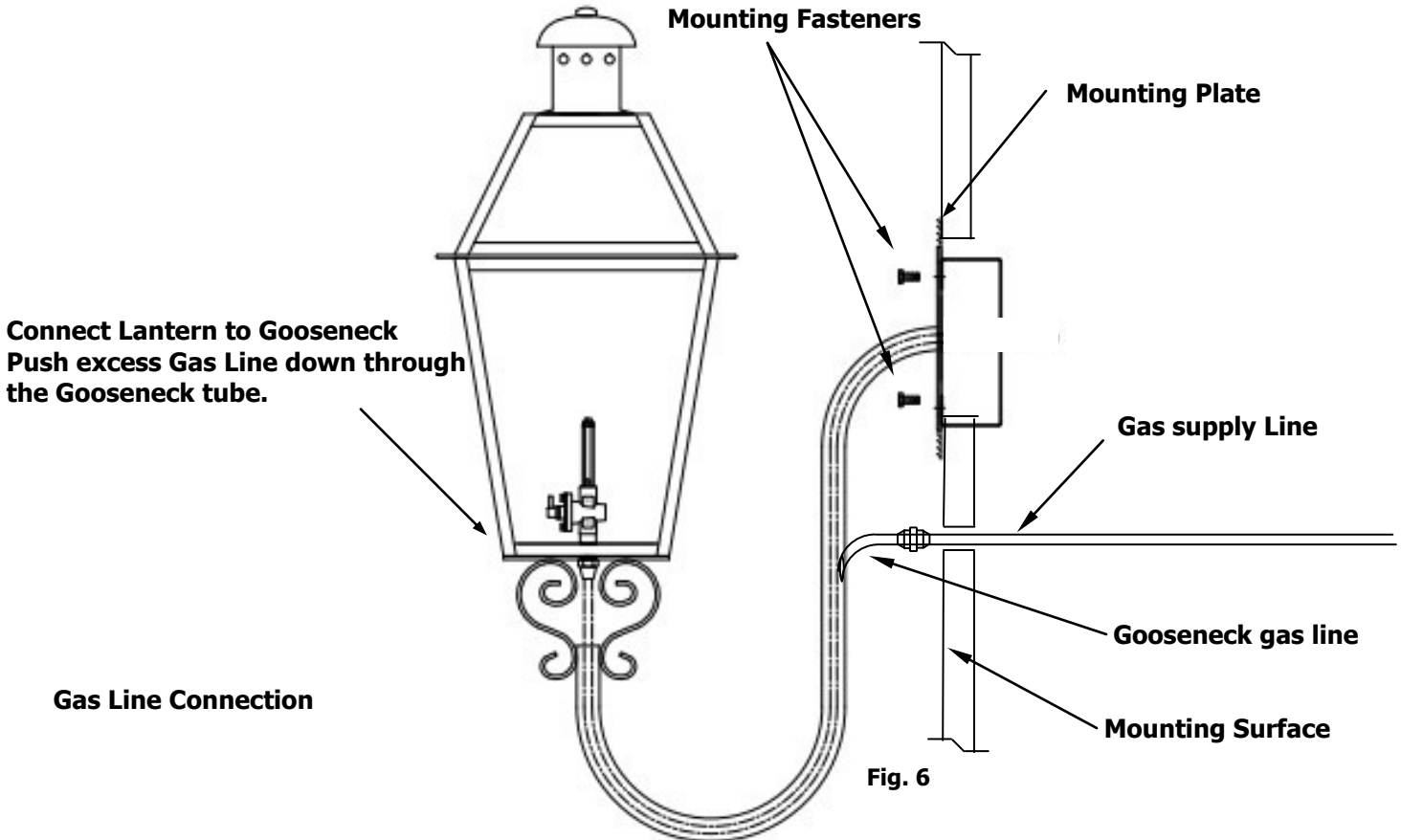


Fig. 6

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ASSEMBLY AND INSTALLATION INSTRUCTIONS

Assembly and Installation Step:

TOOLS REQUIRE:

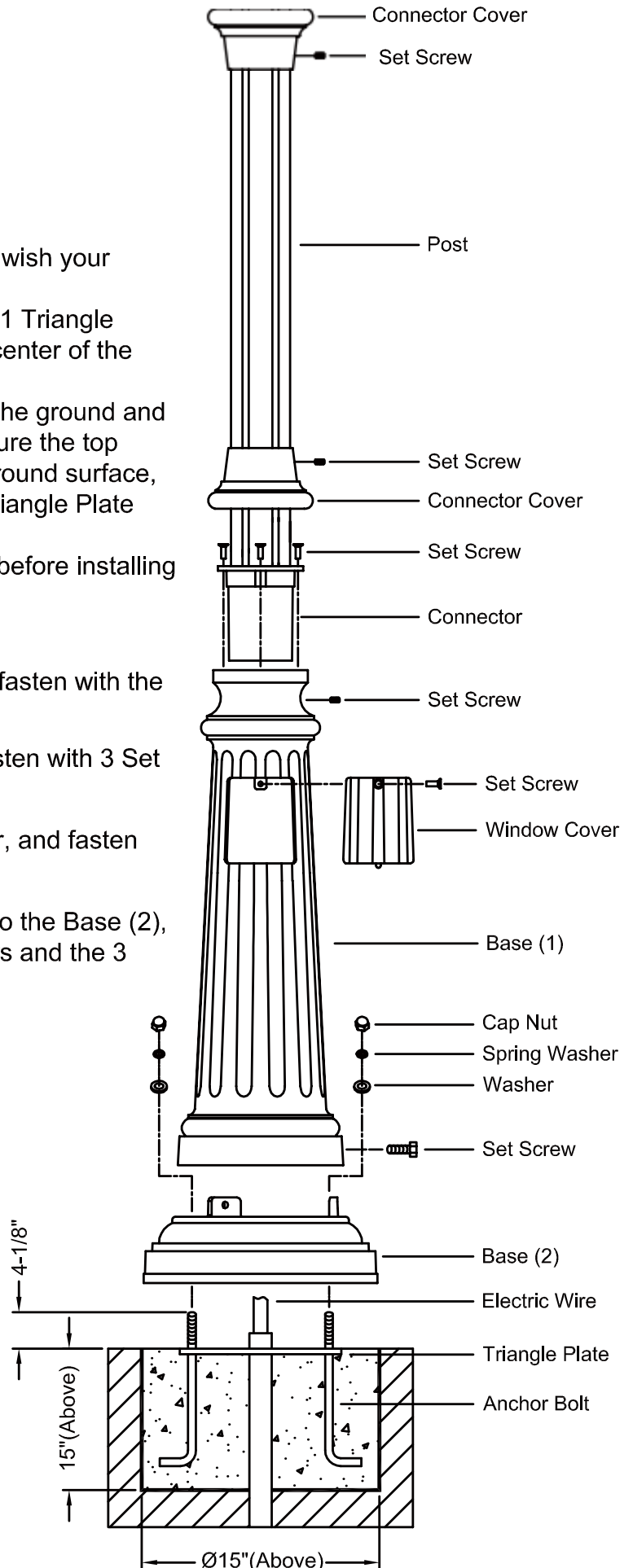
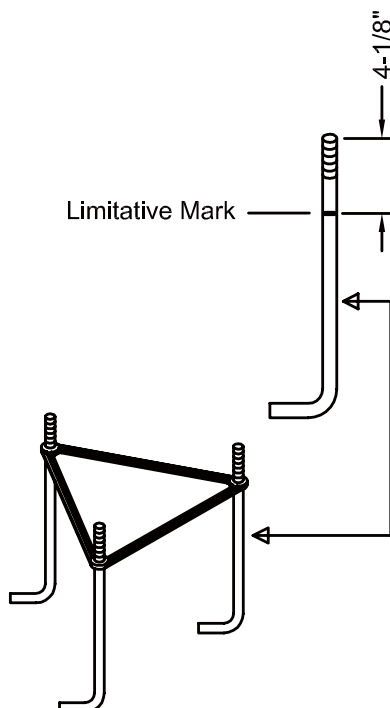
- Phillips (Star) Screwdriver
- Small hex key (3mm and 4mm)
- Adjustable wrench

1. Anchor bolt set installation :

- Dig a 15" deep hole, 15" diameter where you wish your lantern to be installed.
- Set the 3 Anchor Bolts into the 3 holes of the 1 Triangle Plate and feed the Electric Wire through the center of the Triangle Plate.
- Pour concrete into the hole up to the level of the ground and sink the anchor set into the concrete. Make sure the top surface of the Triangle Plate is level to the ground surface, and the Anchor Bolts protrude above the 1 Triangle Plate surface by 4-1/8".

NOTE: Make sure the concrete is solid and dry before installing the lamppost.
(Usually this takes up to 24 hours.)

- Attach the Base (2) to the Anchor Bolts, and fasten with the 3 Washers and the 3 Cap Nuts.
- Attach the Connector to the Base (1), and fasten with 3 Set Screw.
- Attach the Connector Cover to the Connector, and fasten with the Set Screw.
- Set the entire post and lantern assembly on to the Base (2), and secure the lamppost using the 3 Washers and the 3 Cap Nuts.



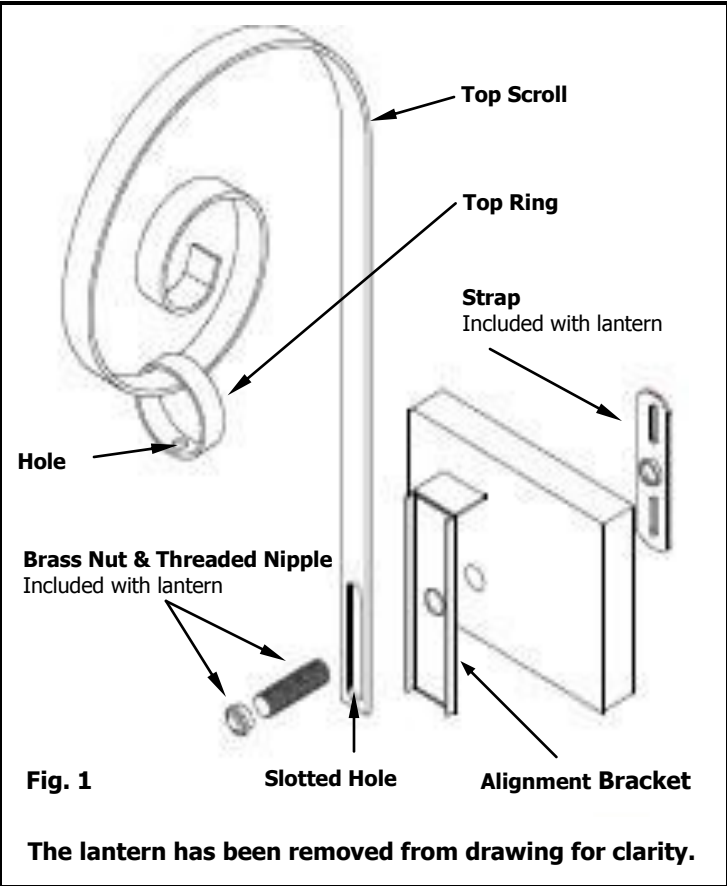
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Top Scroll Installation Instructions

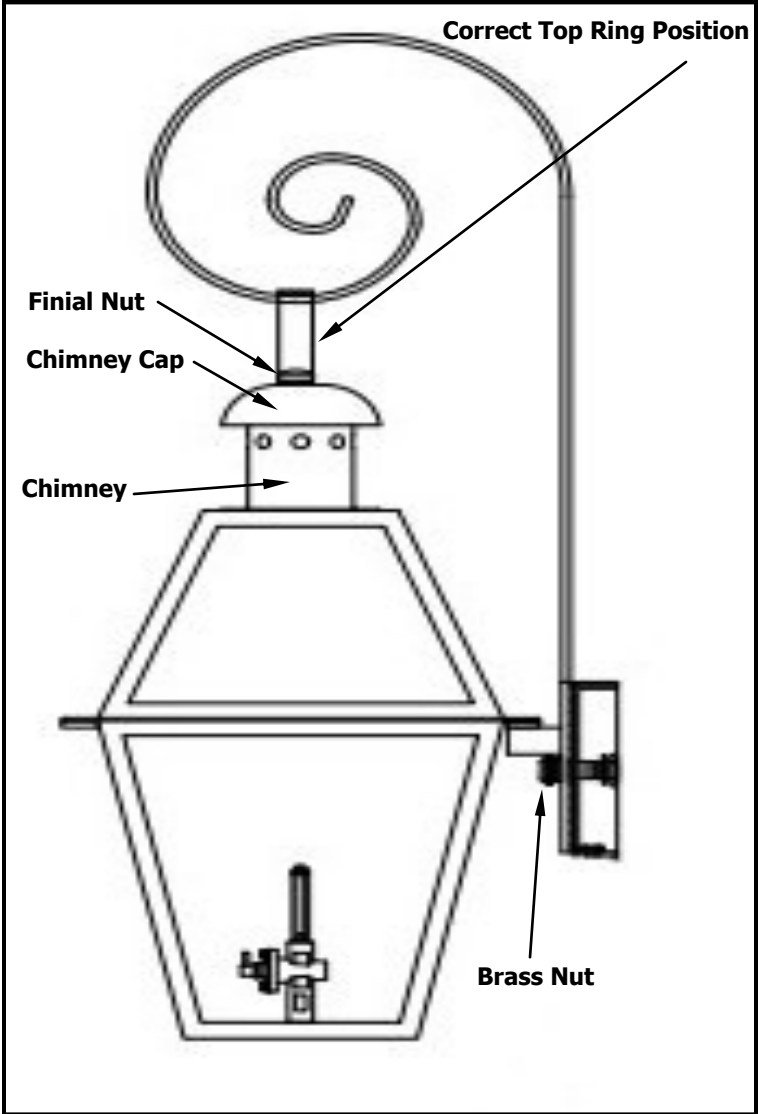
This installation should be performed by a licensed professional.

Refer to the Gas and Electric Lantern Installation Instructions included with the lantern before beginning the installation.

1. Remove the contents of the packing and assure that all of the parts shown on figure 1 are included in the box.



2. While performing step 4 of the Lantern Installation Instructions, allow 1-1/2" of threaded nipple to extend out past the mounting strap.
3. When performing step 5 of the Lantern Installation Instructions, slide the alignment bracket onto the threaded nipple after the lantern is put onto the threaded nipple.
4. Place the Top Scroll onto the threaded nipple and tighten the Brass Nut onto the threaded nipple.
5. Place the Top Ring onto the top scroll as shown.



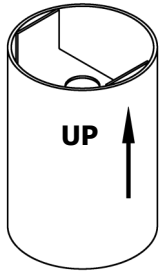
6. Remove the top finial nut and adjust the threaded nipple attaching the chimney cap, adjust an additional 1/4" of threads extending above the chimney.
7. Connect the Top Ring to the Chimney Cap.
8. The Top Scroll is provided with a slotted to allow for vertical adjustment.
9. Adjust the Top Scroll until the Top Ring is snug.
10. Use adjustable pliers to tighten the Brass Nut securing the Top scroll and Lantern to the mounting surface.

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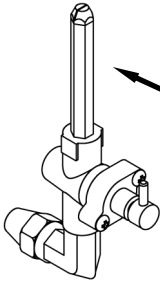
Wind Guard Installation Instructions

This installation should be performed by a licensed professional.



1. Turn off the gas flame and wait 10 minutes for the lantern to cool.

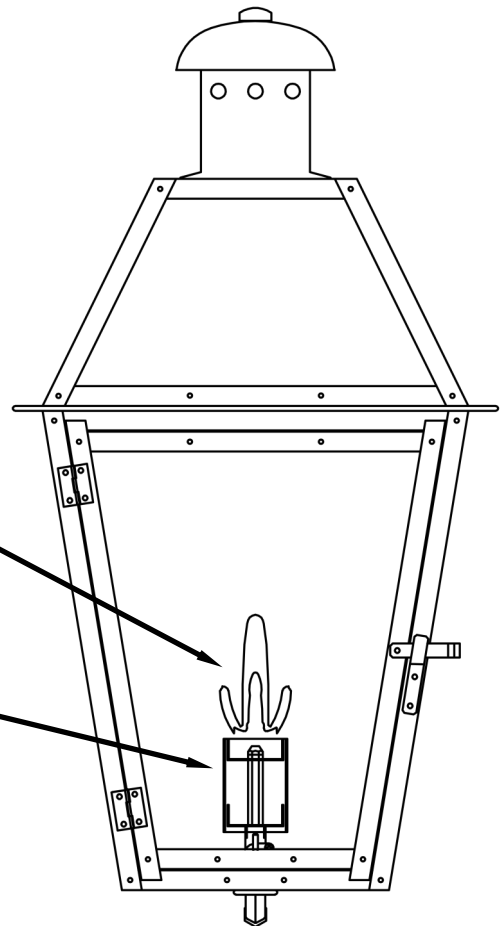
2. Install the Wind Guard with the arrow pointing "UP".



Burner Tip

3. Re-light the lantern.

4. Adjust the flame height to 3".



3" Tall Flame

Wind Guard

Important Note:

Make sure the wind guard extends above the burner tip by approximately 1/4".

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