

To Install

Remove old gas burner. Coat threads of gas supply pipe with white lead before screwing on base; if white lead is not available soap will answer. Screw on base snugly with upper part of burner removed. See that needle hole in top of base is clean before screwing in place. To clean needle hole use cleaner furnished with each outfit; do *not* use pin or other sharp instrument.

Now unpack button and slip tongue of button holder into slotted member of burner with face of button toward Bunsen tube, as shown in Fig. 1. Push tongue into slot until tongue rests on top of cap sleeve. In handling button care should be taken that you do not rub or compress white surface of button. Handle button by holding metal rim between thumb and forefinger. When buttons are once mounted in holder they are practically indestructible. To mount upper part of burner in place, slip cap sleeve over base with face of button toward reflector as shown in Fig. 2; press cap sleeve down until it rests on hexagonal part of base. To remove upper part of burner, grasp cap sleeve between thumb and forefinger and give it a slight rotary motion in lifting off. Do not remove button holder from slot while in lamp. To examine button or renew same, remove upper part of burner from lamp.

Leaks in Pipe Line

See that the gas line is tight. Rubber tubing will give out in time, and brass tubing will sometimes wear through. It is a good plan to bind the ends of the rubber tubing with cord or small soft wire. It requires no more care to keep gas line tight when using *Brilliant Burners* than when using old-style burners. Correct every leak, as they waste more than you burn.

How to Light and Regulate

Turn on gas and light as ordinary acetylene gas burner. Don't open valve too wide when lighting lights. Open gradually so that lights are low to begin with.

To get maximum light turn on as much gas as possible without making flame blow away from end of Bunsen tube. If flame blows away from end of Bunsen tube, or a black spot appears in center of button, too much gas is turned on; turn off gas slowly until flame burns normal. **THIS WILL CAUSE YOU NO INCONVENIENCE AFTER FIRST OR SECOND TIME LIGHTING.** There is a slight hissing sound when the gas is at the proper pressure, which becomes rapidly louder when the pressure is too high. The flame may be turned down until the light is very dim, which enables the user to comply with ordinances in some cities regulating the brightness of lights; or turned up until brilliancy is from **three to five times brilliancy** of acetylene flame.

The slight roar of burner when fully turned on is not audible when car is in motion. **THE Brilliant Burner CANNOT CONSUME MORE THAN $\frac{3}{4}$ cu ft. of gas per hour.**

Adjusting Burner

To get the best results the burner should be in proper adjustment. Measuring on a horizontal line, the face of the button should be $\frac{1}{8}$ of an inch from the nearest point of Bunsen tube. Adjust by slightly leaning slotted member to or from Bunsen tube; or by leaning round part of button holder forward. The button should stand vertical or lean slightly toward Bunsen tube, but never lean away from Bunsen tube.