914 Installation Instructions For Brit Bikes (1973 to 1983):

This Kit has been designed for optimum installation in a reproduction Lucas style taillight assembly. Installation can also be preformed into a genuine Lucas taillight assembly; however some of the steps outlined here may vary and may or may not require modifications to the LED Board to fit this type of light assembly. Modifications to the LED Board are not suggested

Before you start to install this LED Taillight Conversion Kit, carefully read and follow these installation instructions. Expect installation to take approximately 30 minutes, utilizing a #2 Philip screwdriver, 5/16" {8mm} combination wrench, hacksaw or rotary tool, set of pliers, power drill with a ⅛" or metric equivalent drill bit, 10-32 or M5 X .8mm threading tap, and a set of jeweler's screwdrivers.

Getting Started:

Hardware Check List:

1. □ Qty 1, Wire Cable Set w/ 4.5 mm Bullet Connectors
2. □ Qty 2, 10-32 x ⅞" Hex Screws (Not Used)
3. □ Qty 2, 10-32 x 1 ½" Hex Screws
4. □ Qty 2, 10-32 Small Pattern Hex Nuts (Not Used)
5. □ Qty 2, 3/16" Nylon Spacers (Not Used)
6. □ Qty 2, ¼" Nylon Spacers

Notes: *This kit is supplied with all the necessary hardware to install this kit in either a 679 or 914 taillight assembly. There will be additional hardware left over after performing this installation!!!*

Installation:

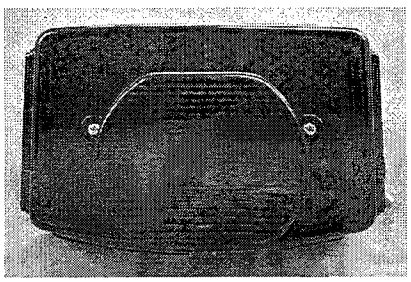

Figure 1

1. It is recommended that you first remove the taillight, which is to be converted from the motorcycle as shown in Figure 1. This will help the installation go along more smoothly.

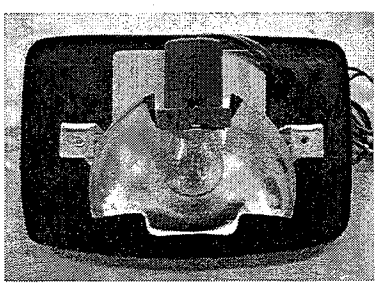

Figure 2

914 Installation Instructions For Brit Bikes (1973 to 1983):

2. Remove the lens from the taillight assembly and all the hardware that secures the reflector assembly to the rubber backing pad. Refer to Figure 2 for more details.

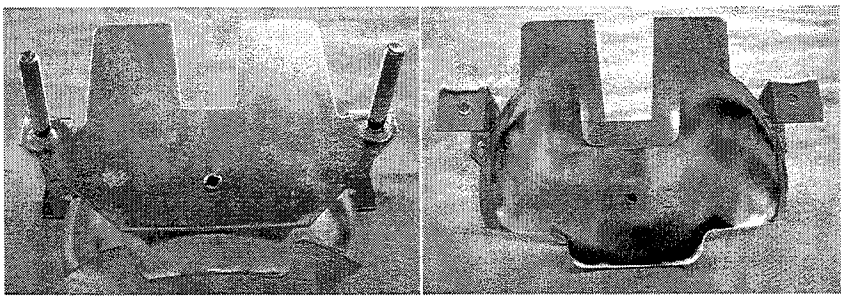

Figure 3

3. Remove the reflector assembly from the rubber-backing pad, then the bulb assembly (pull the entire bulb assembly up to remove). Then cut the 2 mounting studs using a hacksaw or the Rotary Tool, cut them close as possible to the back plate (the marked area) as shown in Figure 3 (left). Turn over the assembly and then drill the rivet as in Figure 3 (right) holding on the reflector using the drill with ⅛" or metric equivalent drill bit. Drill the rivet until the reflector can be easily removed.

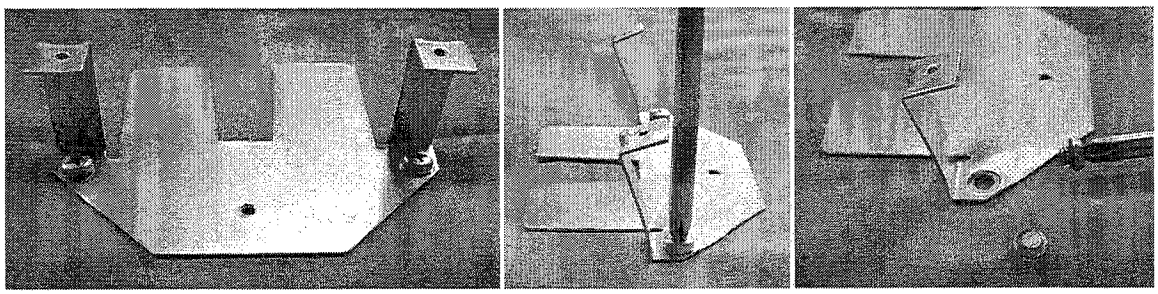

Figure 4

4. With the screw studs removed from the reflector plate, as shown in Figure 4 (left). Bend the 2 lens mounting tabs far enough back to access the screw heads clearly, as in Figure 4 (center). Using a #2 Philips screwdriver, start turning the screw head counter-clockwise until it is removed from the plate, as shown in Figure 4 (right). Then follow by passing the threading tap (10-32 or M5 X .8mm) through the hole to clean out any debris left behind. Repeat process for the other side.

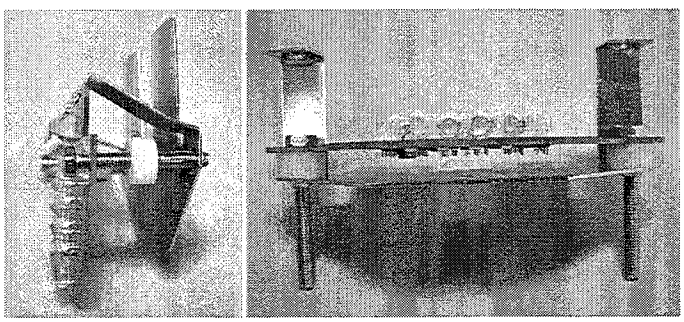

Figure 5

5. Using both the 10-32 x 1 ½" Hex Screws and ¼" Nylon Spacers, pass them through the LED Broad in the order shown in Figure 5 (left). Using a 5/16" {8 mm} wrench, start the threads of the screws into the reflector plate. Once both screws have been started, tighten them firmly against the LED Board and then bend the mounting tabs as close as possible to their original positions as in Figure 5 (left).

914 Installation Instructions For Brit Bikes (1973 to 1983):

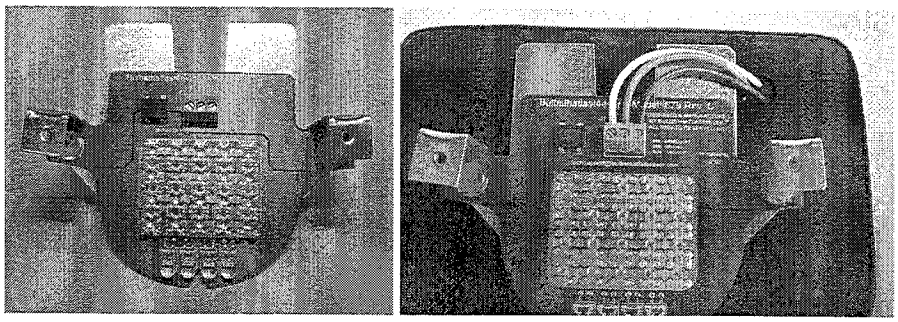

Figure 6

6. Install the converted reflector plate shown in Figure 6 (left) into the rubber-backing pad. Then feed the preassembled wires into the back of the rubber backing plate from behind. Continue to feed all the wires through so that they can reach the LED Board's terminal block. Insert the White wire into the left slot, the Green wire into the center slot, and the Brown wire into the right slot as shown in Figure 6 (left). Then tighten the terminal block screws using a flat-blade jeweler's screwdriver.

7. Congratulations, your taillight assembly has been successfully converted to an ultra-bright LED Taillight. Please install the lens back onto the taillight assembly. Then install the taillight back onto the motorcycle.

8. All there's left to do is connect the wires to your bike's wiring harness. Simply plug in the compatible bullet connectors into your existing Lucas wire harness, as per Table 1.

Cable Assy Color	Function	Lucas Harness
White	Brake Light	Brown
Brown	Running Light	Brown/Green
Green	(-/+) Ground	Red or Chassis

Table 1

Warning: *Excessive lengths of time (no greater than 5 minutes at a time) during use in "Brake Light" mode may cause over-heating of the LED Board Assembly. This may cause damage directly to the LED Board or its components, Please verify that your electrical system in good operating condition, before using this product. It is also important to check the brake light switch for proper operation and adjustment.*