



## Installing your LED taillight kit:

Your kit consists of a LED flasher module and left and right taillight modules as shown below.

The LED flasher module will replace your existing flasher module. The left and right taillight modules will replace your existing incandescent light bulbs.

The LED Taillight modules are clearly marked "R" for right and "L" for left.

Right and left for the taillights are as viewed from the rear of the car. So the left side of the car is the drivers side and the right side of the car is the passenger side of the car.

## Installing the flasher module:

First we will remove the old original flasher module. The on 64-66 cars the original flasher module will be located on the driver side of the car near the fire wall as shown on the following picture.

On 67 and later model cars the flasher module may be on the passenger side near the radio or behind the glove compartment.

**To locate the flasher on your car before you install the LED kit activate the turn signal and LISTEN for the flasher module. You can then locate and remove it.**

Your kit may have three different types of flashers depending on the kit ordered. No matter the shape or type all flashers have three connections to make. "Click" sequential flashers and standard sequential flashers have red, green, and black lead wires. Non sequential flashers have one lead wire for ground and two terminals.

Flashers may or may not have an included inline fuse depending on the application and model year car.

For all electronic sequential flasher modules the installation procedure is as follows. See notes to the right for non-sequential module installation.

- 1) Ensure that the ignition switch is OFF for all installation steps. Installing the kit with the ignition on will void the warranty.
- 2) Remove the existing flasher module
- 3) Connect the new flasher wires red and green to the Mustang's wiring previously removed.



Electronic sequential flasher module ( may come without fuse).



Electronic sequential flasher module with "Click" ( may come without fuse).



Electronic non-sequential flasher module

- 4) Connect the black "ground" wire from the new LED flasher module to a good chassis grounding point.

Simply unsnap the cylinder shaped module and remove the push on connectors. These will be attached with green wire and a orange/yellow wire.

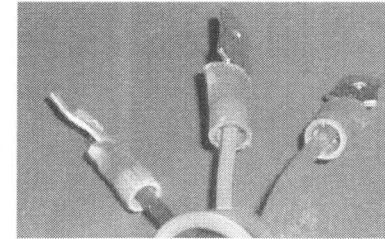
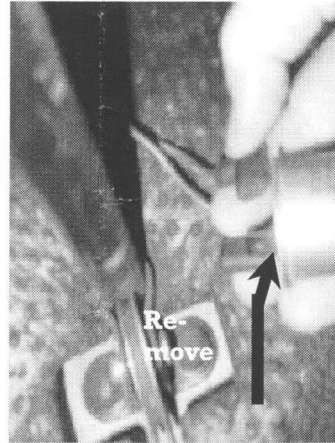
The LED flasher module has three color coded wire leads. Red, Green, and Black.

### These instructions apply to the following model numbers:

SD-0005-UB 64-66 Deluxe LED Sequential Kit, SD-6003-UB 69 Deluxe LED Sequential Kit, SD-6004-UB 67-68 Deluxe LED Sequential Kit, SD-0004 1970 Deluxe LED Sequential Kit, SD-0005-UB 64-66-NON Deluxe LED NON-Sequential Kit, SD-6003-UB-NON 69 Deluxe LED NON-Sequential Kit, SD-6004-UB-NON 67-68 Deluxe LED NON-Sequential Kit, SD-0004-NON 1970 Deluxe LED NON-Sequential Kit

First we will install the LED flasher module.

**Please pay close attention to the proper installation of the flasher module. LED modules should be installed with no part of the module touching the lamp housing. Short circuits due to improper installation will void your warranty.**



Lead wires on LED flasher module.

Once you remove the old module install the new LED flasher module by simply plugging in the red wire to the Mustang's yellow-orange wire and the green wire to the Mustang's blue or sometimes green wire.

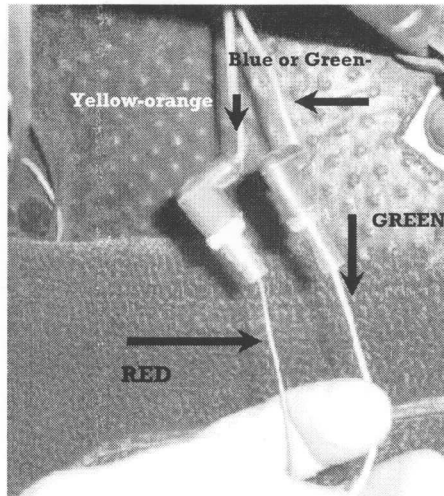
You now have only to attach the black wire to a convenient chassis ground point.

A likely place to connect the black ground wire will be under a mounting screw on the dash or on any metal part screwed under the dash.

Just make sure that there is a good electrical connection between the black wire and the cars chassis.

#### IMPORTANT NOTE:

**67 and later cars come with emergency flashers as a standard feature. Before you remove and replace your flasher LISTEN with the turn signal ON to locate and replace the correct flasher.**

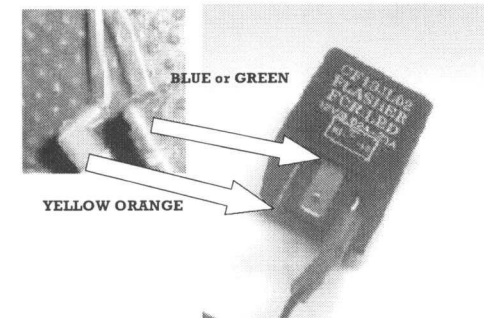


"Simply unsnap the old flasher module which is located near the firewall on the driver side of the car..."

**"Be sure and secure the black wire to any convenient grounding screw which is attached to the cars chassis..."**

"Tuck the LED flasher module under the dash in any convenient place..."

For a non-sequential kit plug in the flasher module as shown below. Make sure that the lead wires from the car are plugged in with the Blue or Green wire connecting to the "L" terminal and the Yellow/Orange connecting to the "B+" terminal. Ground the "E" terminal with included ground wire.



# Installing the LED Taillight

## MODULE INSTALLATION

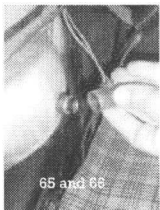
Now install the LED taillight modules. Each module is clearly marked "R" for right and "L" for left.

As shown to the right your module may have many different shapes depending on the car's year and application.

Be careful to install only the Left module in the Left taillight and the Right module in the right taillight. Otherwise the sequence direction will not be correct though no harm would come to the modules themselves.

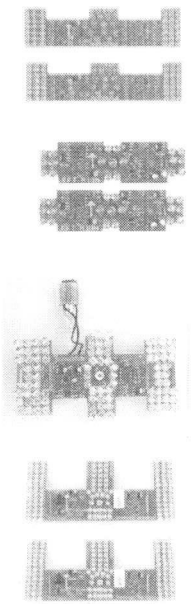
You will follow the procedure below for installing each LED taillight module.

- A. Remove lens, frame, and incandescent bulb.
- B. Verify that the ignition is off and that the cars lights are OFF also.
- 1) Unscrew the small #4 screw which holds the LED board assembly onto the 1157 lamp base (if attached). The base will now be free from the board for insertion into the socket.
- 2) For 1965/66 cars with slide on boots on the lamp housing remove these FIRST before inserting LED module base.



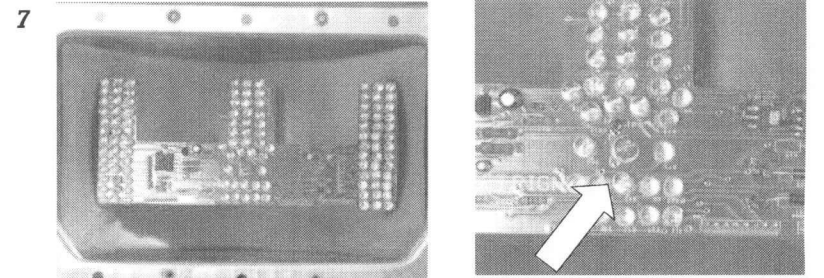
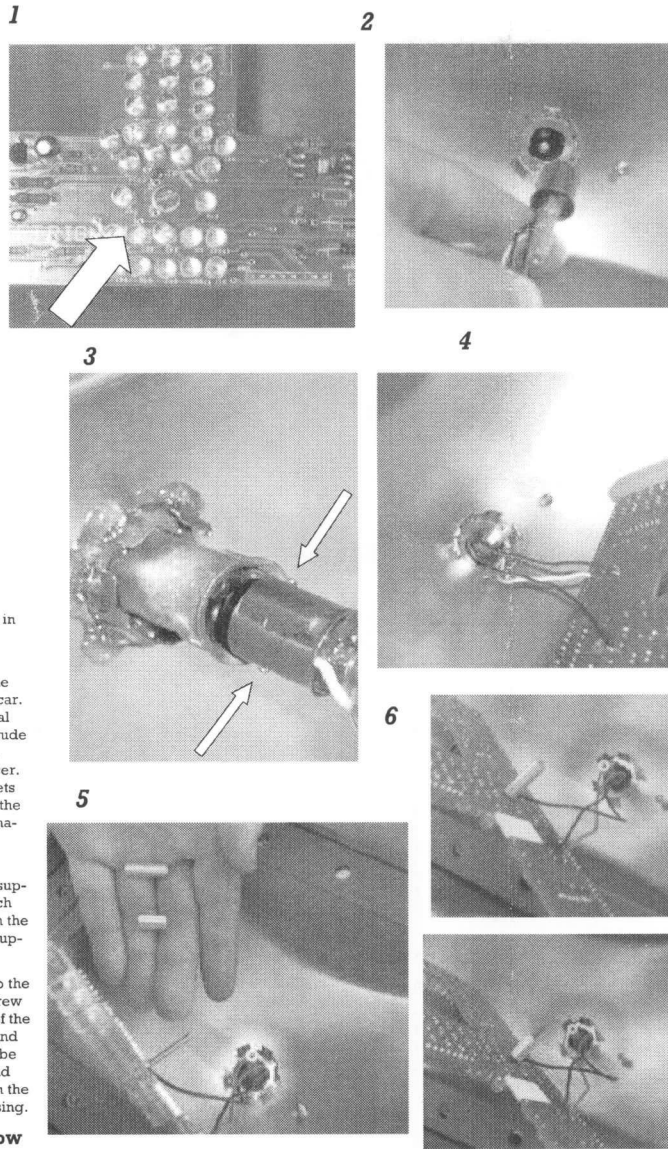
65 and 66

- 3) Insert the base into the existing Mustang lamp socket. Carefully align the socket pins with the slot. **NOTE that the pins are offset and can only go in one way!**
- 4) Gently push the LED taillight module into the socket making sure that the alignment pins and the socket slots are properly aligned.
- 5) Now push in on the base and



- 6) Pick one of the attached spacers depending on the socket you have in your car. If your car has the original Ford sockets which protrude from the housing about 1 inch use the shorter spacer. If the original lamp sockets have been replaced use the longer spacer. A combination of spacers may be needed.
- 7) Slip the spacer over the supplied 1 inch screw. Which has been passed through the board just as originally supplied.
- 8) Re-secure the board onto the base by screwing the screw into the tapped portion of the base standoff. Be sure and align the LED module to be straight. Also be sure and check for shorts between the board and the lamp housing.

**The installation is now complete!**



A typical complete installation is shown above. You can adjust the position of the LED taillight module by loosening and tightening the screw (or nut depending on installation) pointed to in the photo below.

Double check that there are no shorts between the board and the tail light housing. If the incorrect spacer is chosen the board will touch the housing. DO NOT turn on the ignition or headlamps with the board touching the housing.

**The warranty is voided for boards powered with short circuits to the lamp housing. No part of the board should touch the lamp housing at any point.**

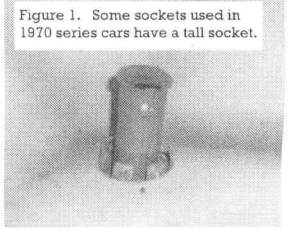
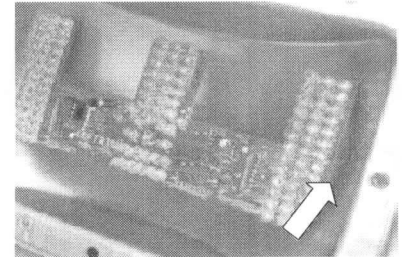


Figure 1. Some sockets used in 1970 series cars have a tall socket.

Do not force the module installation. Make sure the LED taillight base pin and the lamp socket slot is aligned. Also ensure that you are using the "right" module in the right side etc. .

**For 1970 Model Mustang installations use the included brackets and spacer pieces to ensure your module is positioned properly.**

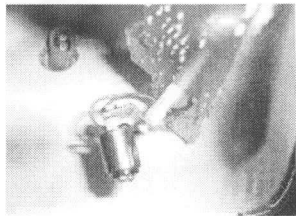
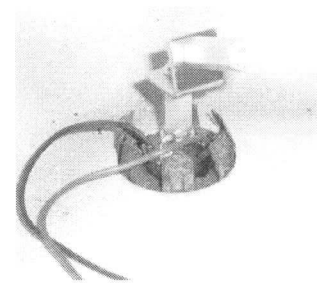
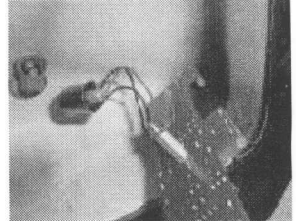


Figure 2. Assembled bracket for high profile sockets.



# Mounting LED Taillight Modules Using the Included Hardware Kit: HW-KIT

Mounting your LED Taillight kit is easy.

Your kit is provided with a variety of spacers and mounting screws so that you can properly adjust the mounting of the LED board onto the base.

Your mounting kit will come with the following parts ( 70 kits and some Universal kits will come with extra mounting brackets) :

- 2 X #4 1/4 inch pan head screws
- 2X #4 1 inch pan head screws.
- 2X #4 lock washers
- 2X #4 1/2 inch hex standoff
- 2X #4 3/4 inch hex standoff
- 2X #4 1/2 inch hollow standoff
- 2X #4 3/4 inch hollow standoff
- 2X #4 nut

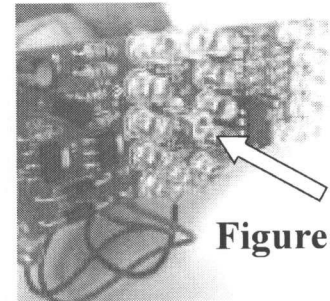
You may not need all of the mounting hardware for your installation.

The board can be mounted up to 2 inches from the base top. Mount the board as far back as possible in our housing using the spacers provided but **DO NOT** allow the board to come in contact with the housing at any point. This can cause a

short circuit and will void the warranty of the kit.

First estimate the mounting distance and then place the base into the car's appropriate lamp socket.

The board can be attached directly to the base with a washer and nut as shown in Figure 1. Note that these pictures show the base out of the socket for



**Figure 1**

clarity. **Always install the base into the car's socket before mounting the board.**

You can extend the board by

another 1/2 inch by using the short hex spacer (Figure 3). Use the 1/4 inch pan head screw to mount the board as in Figure 2.

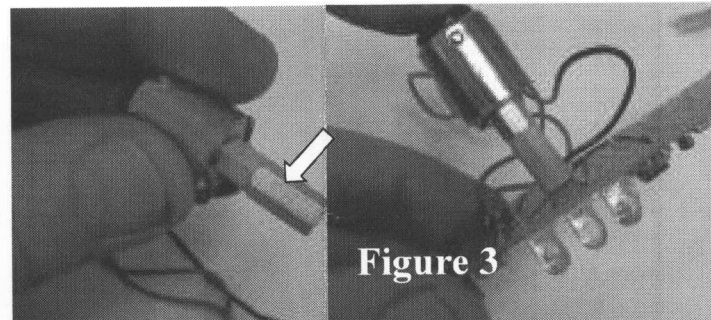
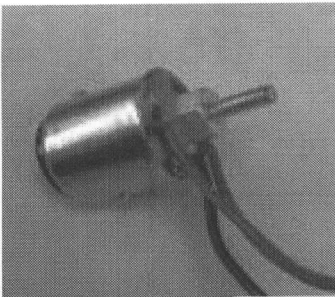
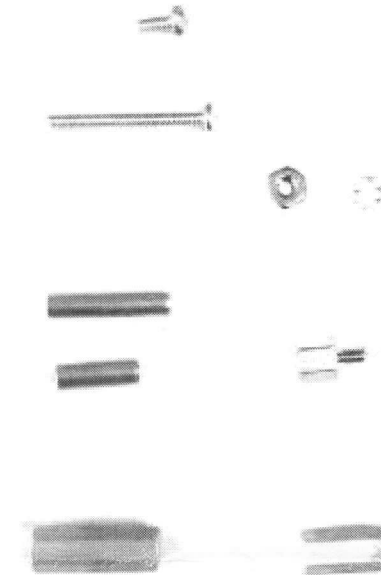
To extend the

board even farther use the 3/4 inch hex spacer.

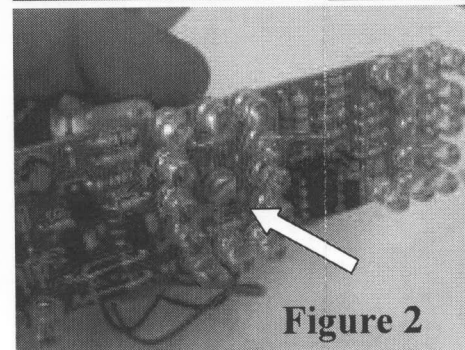
By adding the hollow spacers you can move the board even farther of of the housing. See Figure 4.

Once the proper spacers and mounting method is chosen be sure and tighten either the nut or pan head screw so that the board will not shift. Use 3/8 inch weather stripping on the board edges if they may come in close contact with the metal housing.

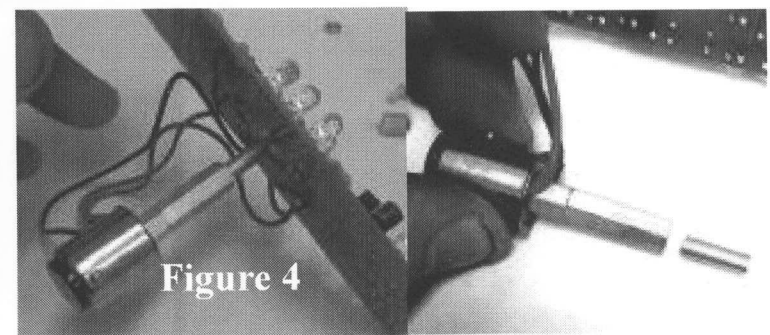
**Note: If the LED touches the tail light housing at any point the warranty will be void.**



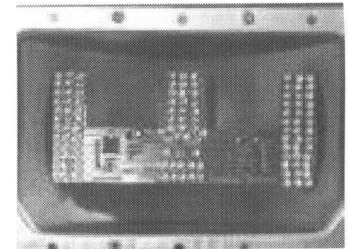
**Figure 3**



**Figure 2**



**Figure 4**



**Mounted Module**