



Thank you for your purchase of **BOOGHEY LIGHTS® GOLF CART LED** products!

Bench Testing:

We strongly recommend bench testing your lights BEFORE you mount them to your golf cart. While we test every light strip and controller before shipping, bench testing your lights will eliminate the possibility of any problems with the lights or controller before mounting. Also, the process of bench testing gives you an opportunity to understand the wiring system without interference of other wires, connectors and cables already on your golf cart. Bench testing takes 10 or 15 minutes. It's simple to do and can potentially save you hours of time and frustration down the road.

Mounting Steps:

- 1) Clean the mounting surface with rubbing alcohol towels first. Once the alcohol dries, use the supplied 3M adhesion promoter (aka 'primer') to prepare the surface where you'll be attaching the strips. The 3M adhesion promoter is used to enhance the adhesion strength of the 3M tape on the back of the light strips and makes a permanent bond. **YOU CANNOT SKIP THIS STEP.** Always apply 3M Promoter to any surface Boogey Lights® LED strips will be mounted. Note - Do not get the promoter on your hands. Let the promoter dry before proceeding.
- 2) We suggest you position the flexible strip before removing the tape backing. When ready, remove a small amount of tape backing from one end of the strip while holding it in position. Continue to peel it off and press as you go to ensure the tape doesn't stick prematurely to the wrong place. The promoter used will cause immediate and permanent adhesion on contact with the 3M tape so be sure to **TAKE YOUR TIME**. You must get it right the first time for a guaranteed trouble-free installation. For best results, attach your lights within one hour or less after the promoter has been applied.

The 3M adhesive tape on the back of Boogey Lights® LED stripes are one-use only. If you apply them to a surface that has not been properly prepared, the holding power of the 3M adhesive tape will be greatly diminished perhaps making the light strip unusable. **If you take the time to properly prepare the surface in accordance with our instructions here, you won't have any problems mounting your LEDs.**

SUGGESTED PLACEMENTS FOR CANOPY AND/OR UNDERGLOW LED KITS

- Install the Under-Glow light kit under each side of the cart. If you need to cut the strip to fit you can. Just make sure you cut where marked.
- Install the Canopy light kit (if purchased) under the canopy. We include a push-button on/off button with the Canopy kit to allow you to turn off the Canopy lights if you wish while still keeping the Under-Glow lights on. The push-button on/off switch can be surface mounted or mounted through-hole underneath the driver seat. This simple push-button on/off can be used on both single color and multi-color LED strips. See wiring diagram if you're unsure on how to wire it to work.

Important Note about installing Canopy lights. The canopy surface you install the LED strip to has to be rigid enough *such that the canopy mounting surface doesn't flex*. Note too the canopy LED strip is intended to be mounted to the canopy roof facing downward. Do not mount it on the side of the canopy facing inward.

This is particularly important if your canopy is often used as a handle (or, has a handle built into it) when folks get in/out of the cart. Any flexing of the canopy mounting surface – particularly lateral flexing - will stress the LED strip causing it to prematurely fail (usually at the solder joint) which is not covered under warranty.

- Optional - Space permitting, add a 2' or 4' strip under the front or rear of your cart.
- Optional - Add a strip under the rear seat if your cart has one
- Optional - Add a strip under the front seat to light the floorboards
- Optional - Add a strip in each foot well on the driver and passenger side

For Multi-Color light kits or Single-Color light kits with remote, we mount the controller in the battery compartment under the seat adjacent to the battery. Be sure the controller is accessible and has proper ventilation.

****If you purchase the optional Canopy LED light kit and / or additional LED light strips PLEASE refer to your wiring diagram included for install guidance.**

INSTALLATION NOTES

BOOGIE LIGHTS are 12vdc devices only. Golf carts run on gasoline or battery powered electric motors utilizing 12v, 24v, 36v or 48v electric power. To operate our lights, you will need 12vdc power. We strongly suggest using a volt meter to test your power source is indeed 12vdc before making any connections. **This is especially important if you have an electric golf cart. Do not assume the power source is 12vdc without testing it first.** If you are not familiar with how to do this we suggest asking someone who is to assist you with the installation. Connecting a 12vdc device to a 48vdc power source can permanently damage the 12vdc device and potentially cause other electrical problems. Electricity is unforgiving in this way. Here are some suggestions for getting 12v from your cart:

Gasoline Powered Golf Carts

Most gas carts use a single 12v battery to start the engine. Power our lights from the positive and negative post on your 12v starting battery. If your cart has a 12vdc accessory port, you may be able to use that but do not assume that accessory port can handle the amperage of the lights you're adding. Double check the amperage rating of that 12vdc accessory port before using it to power your lights.

Electric Golf Carts

There are a wide variety of electric golf carts on the market today. They range in voltages from 24v all the way up to 72v. Many of these carts will already have a 12vdc power shunt so customers can power their 12vdc devices. If you're going to use this as a power source for your light kit, just make sure the amperage rating for that 12vdc power shunt will handle the additional amperage you're adding with your light system. If your cart doesn't have a 12vdc power shunt available, you have a couple of options:

1. Depending on the battery configuration of your cart, you may be able to pull 12vdc power from one or more batteries in the battery bank of your cart. For example, if your cart is 36v, that 36v is often made up of six 6vdc batteries. You can pull 12vdc by using two of those 6vdc batteries in series.
2. If your cart's battery bank doesn't have a combination of batteries that allow you to pull 12vdc from them (e.g. 48v cart with six 8v batteries), the solution is to purchase a voltage reducer. There are a number of commercially available voltage reducers on the market that will take 48vdc - 72vdc input and output 12v. We offer one but you can purchase them online too. The only thing to be aware of is the amperage rating to match that of your light kit.