



## PLEASE READ

Thank you for your purchase of **BOOGHEY LIGHTS®** Lighting products! We're thrilled you selected Boogey Lights®. We're quite proud of our product, our service and our warranty. If you have any problems, please let us know. We can be reached online at [BoogeyLights.com](http://BoogeyLights.com), via phone at 800.847.1359 or text at 859.955.8155

**Preparing the Mounting Surface:** Since 1989 we have installed our high-intensity accent lights on just about every possible type of motorsports vehicle known to man – motorcycles, cars, trucks, boats, RVs, bicycles, scooters, trailers, ATVs and golf-carts. The one thing all these applications have in common is they often operate in harsh environments where they are exposed to heat, vibration, cold, dust, dirt, wind and water. Experience has taught us the importance of properly preparing the mounting surface which includes using 3M® adhesion promoter. Most LED light kits we sell includes 3M® promoter (aka "primer"). It's essential the surface be prepared using this 3M® promoter and that you follow the directions provided. **We strongly urge you to read these instructions and follow them completely.** Do not cut corners. If you purchased an LED light strip that does not include this primer, we offer different size primer bottles for sale.

**Using 3M Promoter:** 3M Promoter is a powerful adhesion primer. You don't need a lot to make it work. A single swipe with a clean dry cloth on the surface you're mounting the light strip to is all you need. Once you paint on the promoter you have at least 30 minutes to mount the light strip, although we recommend proceeding immediately after painting the surface with the 3M Promoter. The primer instantly bonds the 3M tape on the back of the LED light strip to the mounting surface. Of course, be sure to first remove the red backing tape protecting the 3M adhesive strip secured to the back of the LED light strip. Then, once the exposed 3M tape on the back of the LED strip touches a surface that has been treated with 3M promoter, they will instantly bond together. You will not be able to break that bond without damaging the strip so make sure you have the placement where you want it the first time. There are no do-overs when using 3M Promoter and 3M VHB tape.

**Installing the Light Strip:** You do not need to press very hard to get them to stick. In fact, pushing too hard can damage the connector wires and LEDs embedded in the strip. Just a little light pressure is all it takes. Also, when affixing the light strip to the mounting surface *DO NOT* stretch, tug, pull or twist the LED strip. Do not put tension on the strip itself. For example, do not allow either the power lead cable or the entire roll of LEDs to dangle while you're working on mounting the strip. The LED strip is not built to support lateral tension, twisting or bending. Simply unroll the LED strip in a straight line as you go lightly pressing the strip to the surface. This is a super important concept to understand if you want your lights to last. The natural tendency is to pull tightly on the LED strip to keep it straight and level (especially when mounting horizontally) but doing so means the solder joints in the LED strip will be installed under maximum tension from day one. Mounting the strips this way doesn't allow room for the solder joint to expand with the mounting surface as needed. Strips mounted under tension will fail at the solder joint. Not a matter of if but when. Also, the strip must be mounted flat against a contiguous mounting surface, in a straight line. Really important too that the entire strip be stuck to the

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mounting surface and that you NOT attempt to span across multiple mounting surfaces. If you don't have a smooth, flat, contiguous mounting surface we recommend screwing 1.5" wide aluminum or plastic flat stock to the surface and then mount the LED strip to that flat stock. Do not attempt to mount the strip to follow a radius. Doing so will permanently damage the strip. The LED strip must be mounted in a straight line and flat.

**Secure the power lead firmly to the mounting surface.** Do not allow the power lead to dangle, hang or move at or near the point where the power lead attaches to the led strip. This is very important. If you do, the led strip will almost certainly fail prematurely at or near that point. The weight of that power lead coupled with the movement of the vehicle will eventually stress the connection point and cause the LED strip to fail. Securing the power lead to the mounting surface will stop that movement.

**Know your Power Consumption.** Be mindful of the amount of amperage you're drawing through your lighting circuit and to not exceed the circuit component limitations. The amount of power (amps) you're pulling through the circuit will vary based on a combination of three factors: 1) The number and color of the LEDs in the circuit, 2) the amount of copper wire in the circuit and 3) the input voltage to the circuit. The amperage ratings for our switches, controllers and LEDs assume 12.5 vdc input or less. If you're wiring your lights to a vehicle that has a charging mechanism (e.g. alternator or battery charger), the input voltage will likely increase when the engine is on; particularly as RPMs increase. It's not unusual for an alternator to charge the battery at a rate of 13.5 to 14.5 vdc depending upon the vehicle. Increasing the input voltage to the LED Controller/LEDs will also increase the amperage draw of those LEDs because they'll burn brighter. We strongly suggest measuring the DC amperage draw of your lighting system once installed to make sure you're not exceeding the limitations of the components.

**Bench Testing:** Before shipping, we tested the lights and controller in your order to make sure they work. We strongly suggest bench testing the lights and controller before installing. Doing so will also help you understand the wiring setup. You can use a common 9vdc battery to test your lights if you don't have a 12vdc bench testing power source available. The lights of course won't be as bright but it is an easy way to test your lights before installing.

**Installation Information:** In addition to the instructions in this kit, you'll also find installation resources on our website (<https://www.boogeylights.com/installation-resources/>) . We understand most people don't take the time to read all of the instructions. That's why our installation documentation includes some helpful diagrams of how the lights are wired. At the very minimum we strongly suggest reviewing the wiring diagrams. The overwhelming majority of phone calls we receive are related to wiring. We urge all customers take a few extra minutes to read/review the wiring information we have included.

**Warranty:** The Boogey Lights® original-owner warranty is available to customers who purchase genuine Boogey Lights® product from Boogey Lights® directly or an authorized Boogey Lights® dealer and present the original sales receipt from that dealer. This warranty is a product-only warranty against manufacturing defects when used and installed as directed. It does not cover reimbursement for shipping, labor or any other charges you may incur having a defective product replaced. It also does not include warranty replacement for products that are used or installed contrary to product documentation and installation directions. Warranty details here: <https://www.boogeylights.com/warranty/> as well as on the product page. We urge all customers to register their purchase using this online form: <https://www.boogeylights.com/warranty-registration/>

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