



Thank you for purchasing our **HEAVY DUTY TRUCK** Accent Light Kit featuring our HEAVY DUTY LED STRIPS. Please take the time to review this information.

**RGB / Multi-Color :** If you purchased the RGB multi-color version of our kit a Heavy Duty Bluetooth / RF Combo wireless controller is included with your kit. Please make sure you read the instructions included with the controller. All RGB multi-color LED strip power leads must be routed back to the controller.

All **Boogey Lights®** LED strips are **COMMON CATHODE LEDS**. They share a common ground and if you're using a controller, they will only work with our positively switched controllers. Most LED strips on the market today are COMMON ANODE because the controller technology used to power them is less expensive to manufacture. However, they're not nearly as bright and are an overall inferior design when compared with COMMON CATHODE LEDs.

**Color Selection Alert :** Be sure to check local laws pertaining to operating your vehicle on a public highway with accent lighting. In most cases the only color that can be used when driving on a public highway is orange. Driving with any other color might be illegal and subject to a fine. If you purchased our RGB multi-color kit you can use the controller to change the color of the lights based on the situation.

**LED Strip Placement :** Placement is mostly personal preference. Most customers start with mounting the strips so they're facing downward either toward the road or on another part of the truck (e.g. under cab) to highlight another area. When deciding on where to mount your lights, some things to keep in mind is the mounting surface and proximity to power or the RGB controller if you purchased our multi-color kit. The mounting surface needs to be as smooth as possible and free from grease and other solvents. Also, you'll want to make sure you aren't mounting the strips in a location that is prone to direct strikes from road debris. You'll notice that our Heavy Duty LED strips include a screw mounting location at the end of each strip. Even with these screws it's important to make sure the center of the strip is firmly affixed to the mounting surface using the supplied 3M tape and promoter. This is particularly true for the longer Heavy Duty LED Strip lengths.

### **Bench Testing**

We strongly recommend bench testing your lights BEFORE you mount them to your truck. 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 truck. Additionally, if you're using one of our multi-color RGB controllers, bench testing helps you better understand the wiring configuration and operation. Bench testing takes an extra 15 or so minutes. It's simple to do and can potentially save you hours of time and frustration later.

### **Mounting Steps**

1) Clean the mounting surface with alcohol towels first. Every tow truck lighting kit includes an 8oz can of 3M adhesion promoter. 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.

For situations where you are affixing Boogey Lights® to a surface where heavy oils or grease are present, a "degreaser" solvent such as acetone may need to be used first. If you use acetone (or any other degreasing solvent) you must still apply the 3M Promoter. The 3M promoter is actually a catalyst which interacts with the tape and the mounting surface to create a secure bond. Acetone is not a replacement for promoter. In addition, if you use acetone to clean a heavy oiled or greased surface, you will still need to follow up with an alcohol cleaning to help ensure any residue or film from the acetone is removed. This is because acetone (and most other degreasing solvents) will thin the promoter as well as break down the adhesive in the tape greatly reducing the tape's stickiness. Any surface first cleaned with acetone must also be cleaned with alcohol and then thoroughly dried before painting on promoter. For best results, attach your lights within one hour or less after the promoter has been applied.

2) We suggest you position the LED 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. Once the strip is in place, you can then screw the two ends of the strip for added holding power.

3) If you're using our single-color LED strips, make sure you are not over-loading the circuit they are attached to. As with all lighting solutions, each LED strip should be properly fused. If for any reason there is a dead short in the strip, you want the power to that strip to be cut off to avoid over-heating and potentially burning.

**Mounting Screws:** Each Heavy Duty strip includes two #4 stainless steel screws. They're 3/8" long. While they will work for many installation environments, they won't work for all. You may need to purchase other screws in these situations. Note that the size of the pilot hole you'll need to drill for these mounting screws will vary depending on the material you're screwing into. A #4 screw has a diameter of .11" (closest fraction is 7/64"). For soft material (e.g. wood, vinyl or plastic), a 1/16" pilot hole will typically work. For steel or aluminum you'll need a larger hole depending upon the thickness. A 5/64" pilot hole will often work but even then you may need to widen the hole slightly depending upon the material you're screwing into. Because the mounting screw isn't holding any weight, it's more

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important to get the screw in the hole than it is for that screw to be snug in the hole. So a larger pilot hole is OK. Worst case, if the pilot hole is too big, secure the screw in the hole with some silicone. The goal is to keep the end of the LED strip from moving.

**Bending:** While these Heavy Duty LED Strips are designed to take a beating, it's important you do not bend the strips in a radius of less than 2". Also, do not bend the LED strip on a horizontal plane. Doing so will damage the circuit traces on the PCB board causing the LED strip to fail, voiding the warranty.

Do NOT bend the LED strip in a radius of less than 2 inches.



Do NOT bend the LED strip on a horizontal plane.



**Warranty:** We provide a three year warranty on our Heavy Duty LED lights. Warranty info can be found on our website at [BoogeyLights.com/warranty.html](http://BoogeyLights.com/warranty.html). The warranty is a product only warranty. It covers the lights (or remote control) themselves. It does not cover reimbursement for labor or other charges involved in replacing the product. We urge all customers to register their purchase using this online form: [BoogeyLights.com/warranty-registration.html](http://BoogeyLights.com/warranty-registration.html).

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