

SPORT BIKE MULTI-COLOR 144 LED LIGHT KIT INSTALLATION INFORMATION



800.847.1359
www.BoogeyLights.com

Thank you for purchasing genuine Boogey Lights® LED Lighting products! We know you're anxious to get started but we recommend you take the time to read through these instructions. For installation support refer to www.BoogeyLights.com or give us a call at 800.847.1359 for assistance.

Here are a few tips to make the install easier:

- Make sure your ride is cool and parked on a flat, secure surface.
- Next, locate the battery and unhook the battery negative (-) cable. This must be done to avoid a fire hazard.
- Remove seat and side fairings as needed to gain access to this area.
- Never use fuses other than the 5 amp/12 volt blade fuse supplied with the installation kit and/or controller. If you are blowing this fuse it means you have a short somewhere in the wiring. Using a larger fuse could result in a fire or fry your lights. Not cool and not covered by warranty.

We strongly recommend bench testing your lights BEFORE you mount them to your ride. 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 ride. 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.

WIRING DIAGRAM

A wiring diagram should be included with your kit. A copy of it is available too for immediate download on our website in our installation information section.

LED CONTROLLER PLACEMENT

On a sport bike installation, the LED controller is typically mounted under the seat or in the rear compartment just behind the seat. Regardless of the location, it's important the LED controller be mounted in a dry location. They are water resistant; not water-proof. Also, even though the LED controller can be turned on/off wirelessly, we suggest installing the push-button switch on the 12vdc power circuit coming into the controller so you can stop the controller from draining the battery when the bike sits for long periods of time. It also makes for an easy, quick way to turn off your lights without having to use the RF remote control (or Bluetooth mobile device).

BRAKE LIGHT INTEGRATION

If you purchased the optional Brake Light integration, it's important to make sure the push-button switch is installed in-line on the 12vdc POSITIVE wire (not ground) coming to the LED controller from the battery. Installing it on the ground will on some bikes interfere with the operation of the lights.

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LIGHT STRIP PLACEMENT

This kit has been designed to light up the areas inside the left fairing, right fairing, bottom fairing, front fairing (top of front wheel area) and under the rear fender. The idea is to install the light strips onto the backside of the fairing so the light pours out and around any vents/openings you have on your bike. Not all bikes and brands will work the same so you'll need to take a look at your bike to see what fits. The kit includes a variety of LED strip lengths to fit pretty much any bike. If necessary, you can also cut the LED strip. Just be sure to cut it where indicated on the strip (between the scissor marks every 3 LED clusters). If cutting the strip, you'll also need to seal the open end with some liquid electrical tape (or similar substance). You don't want moisture getting into the strip from that cut end. You will need to remove the fairing to do this install.

On our Honda Repsol we used the following layout to light around the side vents on each side of the bike, under the bike, under the front fairing and under the rear fender area. We have included some photos of this installation in this manual. Installation time: 3-5 hours.

Left Fairing

- 1 – 24 LED strip w/18" power lead
- 1 – 12 LED strip w/18" power lead
- 1 – 18 LED strip w/18" power lead
- 1 – 48" wire harnesses with quick-disconnect runs back to the LED controller. The three LED strips connect to the other end of this harness. When removing the fairing, simply use the quick-disconnect to remove the fairing from the bike with the LEDs attached.

Right Fairing

- 1 – 24 LED strip w/18" power lead
- 1 – 12 LED strip w/18" power lead
- 1 – 18 LED strip w/18" power lead
- 1 – 48" wire harnesses with quick-disconnect runs back to the LED controller. The three LED strips connect to the other end of this harness. When removing the fairing, simply use the quick-disconnect to remove the fairing from the bike with the LEDs attached.

Bottom Fairing

- 2 – 6 LED strips w/24" power lead
- 2 – 3 LED strip w/24" power lead
- 1 – 48" wire harnesses with quick-disconnect runs back to the LED controller. The three LED strips connect to the other end of this harness. When removing the fairing, simply use the quick-disconnect to remove the fairing from the bike with the LEDs attached.

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Front Fairing (Area on top of Front Fender)

- 1 – 6 LED strip w/72" power lead (connects back to the controller in the rear compartment)

Rear Fender Area

- 2 – 6 LED strips w/24" power lead

Push-Button Switch: We installed the push-button switch on the left side of the bike just beneath the seat. The push-button provides for a quick power-off option that cuts all power going to the LED controller. This way the controller won't drain your battery if your bike is sitting for a long time.

MOUNTING STEPS

- 1) Determine the length you need for each of your LED strips by holding them up to the surface where you plan on installing them. We have provided some suggested placement ideas but your bike might be slightly different. You'll want to make sure you have a good idea where the lights will be placed before proceeding. If you need to cut a strip, you can do so provided you cut in the proper place and seal the end. Details on this are below.
- 2) Clean the mounting surface with the supplied alcohol wipes 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. Let the promoter dry before proceeding.

BREAK THE GLASS! The promoter tubes supplied with Boogey Lights® kits need to be squeezed in the middle of the tube to release the chemical to the applicator top. Simply press in the center of the tube until you feel the glass break. At that point the liquid promoter will saturate the applicator top and you can then paint on the promoter.

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. 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.

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- 3) 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.

NOTE: While 3M states the promoter and tape combination will not harm painted surfaces, we do not recommend using the promoter on new paint jobs that are not fully cured or aren't at least six months old.

If you need to remove a light strip once placed, you can do so using a hair dryer/heat gun and carefully pulling the light strip off. We recommend using a hard plastic card or similar object (e.g. old credit card) to help pry the light strip off the surface to which it was mounted. If you have to remove the light strip for any reason, the 3M tape on the back of the light strip will not be reusable.

SECURING THE POWER LEADS

When mounting the LED strips to the fairing, make sure to secure the power leads coming from the LED strip firmly to the fairing using the supplied zip tie mounts (see photos). Failure to do this will likely result in the LED strip failing over time. Note: Before mounting the Zip Tie mounts, be sure to promote the surface with 3M promoter too.

USING 3M PROMOTER

3M Promoter can be removed with isopropyl alcohol. Vigorous scrubbing may be required. 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.

3M Promoter is a powerful adhesion primer. You don't need a lot to make it work. A simple single swipe on the surface you're mounting the light strip to is all you need. The 3M primer instantly bonds the 3M tape on the back of the led light strip to the mounting surface. Once the 3M tape on the back of the LED strips touches a surface that has been treated with the 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.

One word of caution: The cotton tip on the end of the 3M Promoter tube will evaporate quickly. Once you break the glass tube inside the promoter tube (we're assuming you're using the tubes versus a can of promoter) it's important to use the promoter tube immediately. Do not allow it to sit around. If you do, the cotton applicator tip will dry up. Once you paint on the promoter you have at least an hour to mount the light strip although we recommend proceeding immediately after painting the surface with the 3M Promoter.

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ROUTING THE POWER LEADS

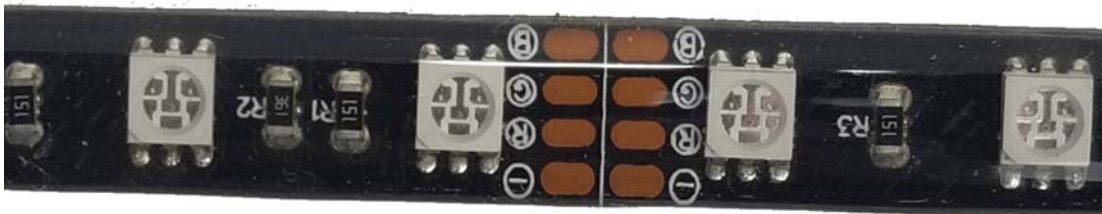
When routing the power leads back to the LED Controller, it's important to make sure the power leads aren't making contact with any moving parts such as handle bar tree, chain, drift shaft, wheels, etc. Also, make sure the power leads don't make direct contact with a surface (e.g. engine) that's hot enough to melt the power lead plastic casing protecting the wires.

CUTTING OUR HI-INTENSITY LED STRIPS

The LED strip can be cut ONE TIME between the copper fingers where indicated. Important to cut between the copper pads on the white line. Once cut, the end must be sealed using silicon, liquid electrical tape or heat shrink tubing.

HI-INTENSITY SURFACE MOUNTED LED STRIPS

CUT LOCATION



Cut Strip Here

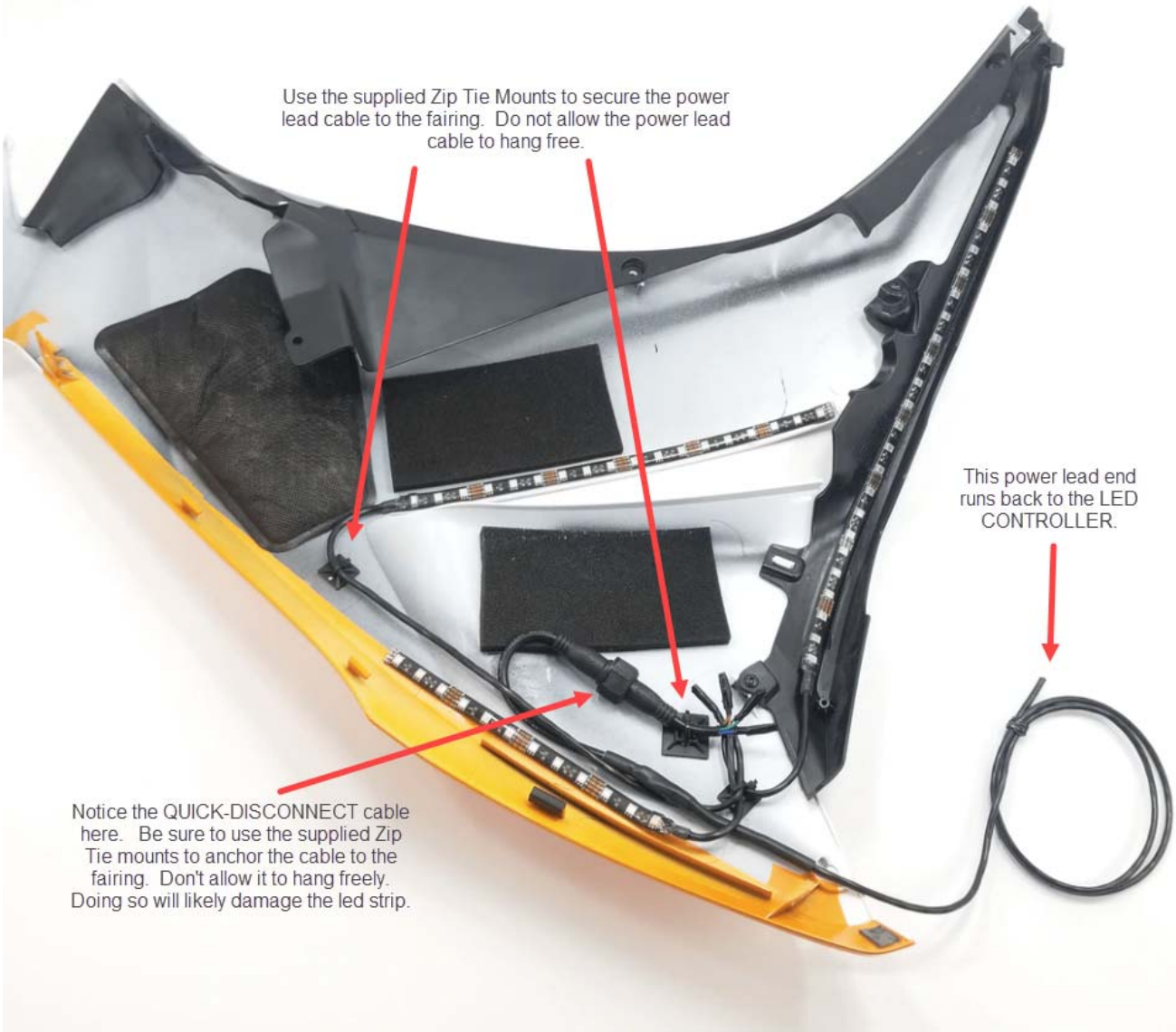
The LED strip can be cut one time between the copper “fingers” where indicated. Important to cut between the copper pads on the white line. Once cut, the end must be sealed using silicon or liquid electrical tape.

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Left Fairing. Quick-Disconnect wire harness attached to 3 LED strips.



Note: Be sure to apply some 3M Promoter to the surface before affixing the Zip Tie mounts. It's important the Zip Tie mounts stay put too just like the LED strips.

Right Fairing. Quick-Disconnect wire harness attached to 3 LED strips.

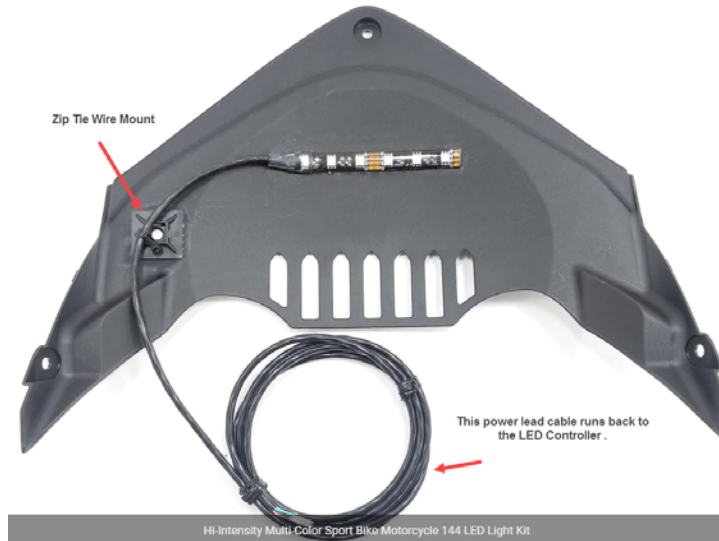


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Bottom of Front Fairing



Bottom Fairing. Quick-Disconnect attached to 3 LED strips



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WARRANTY

The Boogey Lights® original-owner warranty is only available to customers who purchase genuine Boogey Lights® product from www.BoogeyLights.com or an authorized Boogey Lights® dealer and present the original sales receipt from that dealer. THIS WARRANTY IS NULL AND VOID IN THE ABSENCE OF AN ORIGINAL SALES RECEIPT FROM AN AUTHORIZED BOOGEE LIGHTS® DEALER OR ONLINE PURCHASE FROM WWW.BOOGEYLIGHTS.COM or Boogey Lights on WWW.AMAZON.COM.

This warranty is a product-only warranty and does not cover reimbursement for labor or any other charges you may incur having a defective product replaced.

RMA Authorization Required For Defective Returns

Defective product must be returned for inspection and warranty approval prior to replacement. Product that is physically damaged is not eligible for replacement under warranty. All returns must clearly display an RMA authorization number on the outside of the package. An RMA number will be issued by requesting an [RMA number via email](#) (select the appropriate option from the drop down box) OR by calling our office at 800-847-1359 and selecting option 2. If calling our office, please be sure to have your order number handy which will be printed on your receipt. Any shipment received at our offices without an RMA authorization number clearly listed on the package will be refused and returned to sender.

Hi-Intensity Multi-Color Sport Bike 144 LED Light Kit

Original owner lifetime warranty on the LEDs. Original owner three year warranty on the LED controller.

IMPORTANT NOTE! All Boogey Lights® LED and remote control products must be protected with the included 12V fuse. Failure to use this fuse voids the product warranties described herein.

You can register your purchase for warranty by visiting our website at <https://www.BoogeyLights.com/warranty-registration.html>.

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