Run/Brake License Relo LED

Universal Application

INSTRUCTIONS
(Please read all instructions before beginning install)

Parts included:

    1- LED Light Strip
    1- Dual Element Circuit
    3- Posi-Tap Connectors
    2- Mini Posi-Lock Connectors
    4- Wiring Blocks
    6- Zip Ties
    1- How To: Wiring on a motorcycle Instructions

Before Beginning Install:

This LED can be used as a Run/Brake on all bikes using the included Dual Element Circuit. If you particular model has brake/turn over a single wire you will need to tap into the bikes wires upstream (ECM side) of your factory run/brake/turn module.

This Light may also be used as run only or brake only. This can be accomplished by not using the Dual Element Circuit and supplying the desired signal directly to the red wire from the LED.

General Information:

DO NOT BEND THE LED STRIP UNTIL IT IS WARMED UP. If you do, damage may occur.

1. The black wire coming out of the LED strip is the ground wire.

2. The red wire coming out of the LED strip is the 12v (hot wire).

3. The Dual Element Circuits have 3 wires-
    a. The single wire side goes directly to the red wire on the LED strip
    b. On the other side of the Dual Element circuit there is a red wire. This is for full power, which would be used for the brake signal.
    c. The remaining wire on that side is half power, and is used for running lights

Installation Steps:

1. Using 1 of the Mini Posi-Locks, connect the Dual Element Circuit to the LED strip. The single wire side of the Dual Element Circuit goes directly to one of the red wires on the LED strip

2. Locate the wires on your bike for your desired configuration-
Run/Brake
Brake only
Run only

This can be done with a test light or a multimeter. See enclosed "How To:"

3. Once the wires are located, you can connect the bikes wires to the Dual Element Circuit using the larger Posi-Lock Connectors. Unscrew the gray side and tap into the bike wire (there is no need to strip the wire, the sharp point of the Posi-Tap will pierce the plastic and provide a good connection to the wire). The other side of the Posi-Tap is used on the Dual Element Circuits.

4. Find a good ground wire and connect the black wire from the LED strip to that ground, using the 3rd larger Posi-Tap.

5. Turn your key to the on position and verify the light is working properly. (This is done before shipping but is always a good idea to verify before installation.)

6. Now we need to mount the light to the License Plate Bracket. The light should be mounted vertically, and can be mounted on either side of the license plate. There are slotted holes on the license plate to allow you to shift the license left or right to make room on the plate to mount your LED strip. (The wires can exit the strip from the top or bottom, we have found it is easier to hide the wires if they exit the bottom.)

7. With the light wired in, leave the key on and the lights lit up until it bends fairly easy. (this is usually 3-5 minutes. Do not use other methods as you could damage the light.) Now place the light strip against the mounting plate to test fit it and get a good idea where it is going to be located.

8. When you have decided this, it is time to clean the mounting plate where the light stripe is going. It is **VERY IMPORTANT** to do a good job here. Clean with alcohol and let dry completely.

9. Being sure the light strip is still warm and the mounting plate is cleaned thoroughly, remove the protective strip on the 3m tape and attach the light strip to your mounting plate. After it is in place hold light pressure on the LED strip for 30 seconds to verify good adhesion. You can strengthen the bond with a light amount of super glue if necessary.

10. Using the supplied wiring blocks (make sure to clean the spots with alcohol where you are going to attach the wiring blocks) and zip ties route the wires from the Led Strip to the connection location on the bike. It is **VERY IMPORTANT** when doing this make sure no moving part can not make contact with the wires at any point, even when the suspension is bottomed out.

11. Double check your lights functionality and GO FOR A RIDE!!!!

Important Notes:

- The rider's safety depends on the correct installation of this kit. Installation requires a basic knowledge of how to use a test-light & a Multimeter, as well as how wiring works. Hooking wires up incorrectly can damage the lights and/or the motorcycles electrical system. Please read & follow the Instructions above. Please do not attempt if you have any doubts of your ability to install.
- The Universal Light fits all 12 volt motorcycles, each one is wired a bit differently. We cannot assist in identifying which wire to connect to on the bike, HOWEVER, use of a test light or multi-meter will make the identification easy.
- This is a semi-permanent install. It is possible to remove the light once it is affixed. Warm it up by turning the light on for at least 5 minutes first, then carefully use fishing line and goo-gone to cut thru the industrial strength tape. Be very careful, it is possible to damage internal connections and this is not covered under warranty.

In recent years, Harley has been pretty consistent in using the following wire colors
(However, it is important to check with a test-light or multi-meter)
Brake is Red
Running is Blue
Left Turn is Violet
Right Turn is Brown
Ground is Black

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.Note: The user shall determine suitability of this product for his or her use. The user shall assume all risk for damage and liability to the vehicle and for compliance of any regulations and any incurred financial obligations due to vehicle inspections.