



## I.e.d. tailgate strip

### CONTENTS:

- 1- L.E.D. Tailgate Strip
- All necessary mounting hardware

### PREPARATION OF SURFACE PRIOR TO INSTALLATION

- 1) The mounting surface must be clean and free of all dirt, wax, and oil before you start your installation. Wipe all areas with alcohol prep pad provided with this product.
- 2) Temperature should be between 60°F and 90°F during installation.
- 3) Position the LED tailgate strip in the area below the tailgate with the wires coming out on the left side of the LED tailgate strip. Measure the area below your tailgate to find the center point and put a mark there. Measure your LED tailgate strip and find the center point of it and mark the center.
- 4) Peel off the protective backing of the adhesive mounting tabs. Lineup your center lines that you marked below the tailgate and on the LED tailgate strip and mount. After mounting apply pressure to ensure a good bond.

### ELECTRICAL HOOKUP

*Note: There are two types of taillight systems found on vehicles: an “independent” bulb system and a “common” bulb system. If the brake light and the turn signal operate from the same bulb, the taillight system is “common”. If the brake and turn signal are separate bulbs, the system is “independent”. The industry standard found on trailers is a “common” bulb system. Vehicles will vary depending on the make and model. Any vehicles that have an independent bulb system require a converter to convert the independent system to a common system, which is required on a trailer. A converter enables vehicles with independent brake lights and turn signals to provide proper lighting to a trailer which you need to light the LED Tailgate Strip.*

**There are two ways to connect the LED tailgate strip to your vehicle. If your vehicle has a 4 wire flat trailer light connector, see #1, if your vehicle does NOT have a 4 wire flat trailer light connector see #2.**

#### #1) Vehicle WITH 4 wire flat trailer connector

The LED tailgate strip comes with a 4 wire male flat trailer connector. (See diagram) For easy installation on a vehicle with pre-wired 4 wire flat female connector for a trailer simply run the LED tailgate strip wires to the existing 4 wire flat female connector on your vehicle and plug it in. Use care when running the wires and utilizing the tie wraps included to keep all wires from hanging below the vehicle.

**NOTE: If your vehicle has a different trailer connection, adapters can be purchased at most auto parts stores.**

#### #2) Vehicle WITHOUT a 4 wire flat trailer connector

The LED tailgate strip can be hard wired to your vehicle using the 4 wire flat female trailer connector provided with this kit. (See diagram) Please note there are two types of taillights on late model vehicles.

#### A) Brake and turn signal are within 1 single bulb

Using the 4 wire female flat trail connector provided, identify each wire for the correct function according to the 4 wire female flat trailer connector diagram.

**NOTE: A 12 volt test light is very helpful when identifying the correct wires to attach to.**

**1) Identify the running lights. Black** wire on the 4 wire female connector (provided) is the running light wire. Turn on the running lights on the vehicle. Using a test light on the wires coming out of either taillight harness mark the wire that lights up on your test light. Attach the **black** wire from the connector (provided) to that wire. (see diagram)

**2) Identify the left turn signal light. Red** wire on the 4 wire female connector (provided) is the left turn signal wire. Turn on the left turn signal of the vehicle. Using a test light, find the wire coming out of the taillight harness that lights the test light. Attach the **red** wire from the connector (provided) to that wire. (see diagram)

**3) Identify the right turn signal light. Green** wire on the 4 wire female connector (provided) is the right turn signal wire. Turn on the right turn signal of the vehicle. Using a test light, find the wire coming out of the taillight harness that lights the test light. Attach the **green** wire from the connector (provided) to that wire. (see diagram)

**4) Identify a ground. Blue** wire on the 4 wire female connector (provided) is the ground wire. Attach this wire to a good clean ground to your vehicle’s chassis. (see diagram)

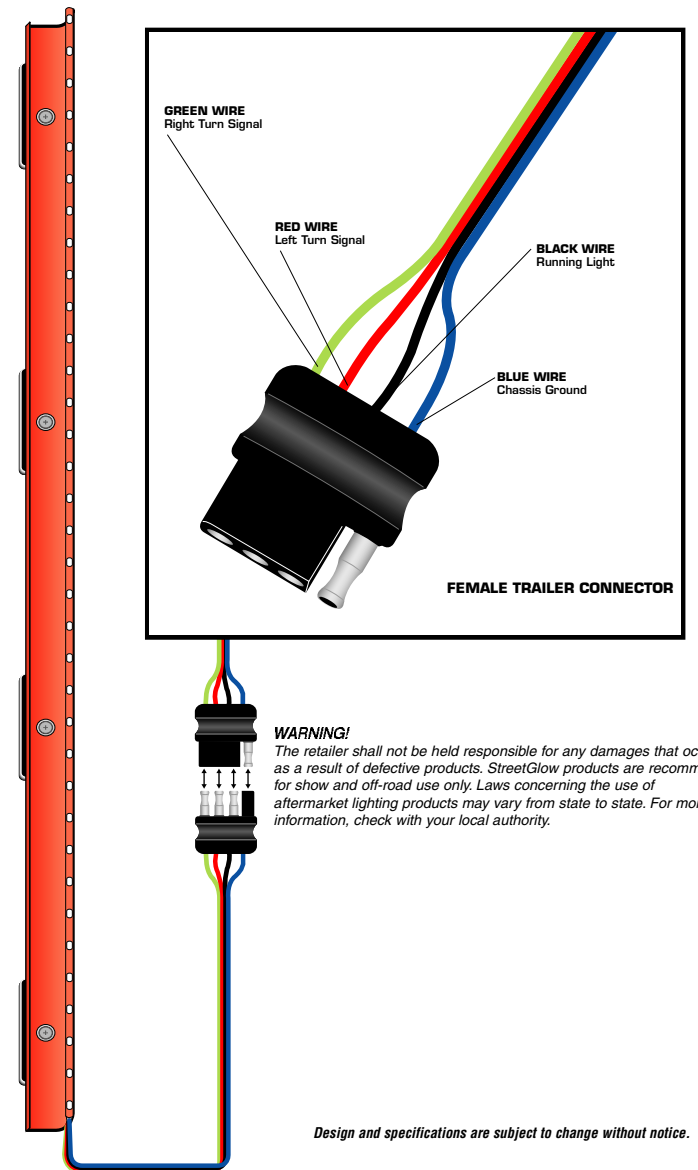
**B) Brake and turn signal are different bulbs.** (turn signal bulb will have an amber lens instead of a red lens, brake light bulb will have a clear lens or sometimes a red lens)

Vehicles with separate brake light and turn signal bulbs have a five wire system instead of the four wire found on other vehicles. Installing the LED Tailgate Strip on these vehicles requires an adapter that is available at most auto parts or trailer supply stores. The adapter converts the five wire system to a four wire system and also works for trailer wire connections. Fully read the instructions that come with the adapter.

**Note: If an adapter is not available, the LED Tailgate Strip can still be used with two functions: running lights and brake lights.**

**1) Identify the running lights. Black** wire on the 4 wire female connector (provided) is the running light wire. Turn on the running lights on the vehicle. Using a test light on the wire harness coming out of either taillight, find the wire that lights the test light. Attach the **black** wire from the 4 wire female connector (provided) to that wire. (see diagram)

**2) Identify the brake light.** Have a helper push down on the brake pedal so the brake lights are lit. Using a test light on the wire harness coming out of either taillight, find the wire that lights the test light. Attach both the **red** wire (left turn signal) and the **green** wire (right turn signal) from the 4 wire female connector (provided) to that wire. (see diagram)



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