



Custom Dynamics® Saddlebag LED Dual Color Latch Lightz™ Installation Instructions

We thank you for purchasing the Custom Dynamics® Saddlebag LED Dual Color Latch Lightz™. Our products utilize the latest technology and high quality components to ensure you the most reliable service. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

Part Numbers: CD-LATCH-DC4-R
CD-LATCH-DC4-S

Package Contents:

- Saddle Bag LED Latch Lightz™ (2)
- BCM Y Harness Adapter w/ Plugs (1)
- Quick Disconnect Harness (2)
- 4" Tie Wraps (10)
- Tie Wrap Holder (8)
- Foam Strip (2)
- Rubber Grommet (2)
- Drilling Template (1)
- JAE Connector (2)

Fits: 2014-2022 Harley-Davidson® Road King (FLHR), 2014 Road King CVO (FLHRSE), 2022 Street Glide ST (FLHXST), 2014-2022 Street Glide CVO™ (FLHXSE), 2022 Road Glide ST (FLTRXST), 2018-2022 Road Glide CVO™ (FLTRXSE), 2015 Road Glide Ultra CVO™ (FLTRUSE), 2014-2015 Limited CVO™ (FLHTKSE) and 2019-2022 Electra Glide Standard (FLHT).



ATTENTION

Please read all information below before installation

Warning: Disconnect negative battery cable from battery; refer to owner's manual. Failure to do so may result in electrical shock, injury, or fire. Secure negative battery cable away from positive side of battery and all other positive voltage sources on vehicle.

Safety First: Always wear appropriate safety gear including safety glasses when performing any electrical work. It is highly recommended that safety glasses be worn throughout this installation process. Be sure vehicle is on level surface, secure and cool.

Important: This product is designed and intended for use as auxiliary lighting only. It is NOT intended to replace any original equipment lighting installed on the vehicle and should not be used for that purpose. This product must be wired so that it does not interfere with any original equipment lighting.

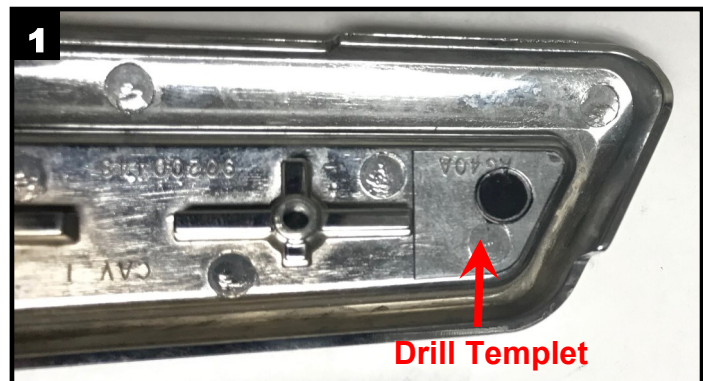
Important: Ambient install temperature must be 60 degrees F or higher. Allow 24 hours for tape to cure before washing or prolonged use of vehicle.

Note: The Y Harness Adapter must be plugged into the output (behind) any Smart Signal Stabilizer™/load equalizer or any brake strobe modules.

Note: The Y Harness Adapter must be plugged into the input (in front) of any run/brake/turn module.

Installation:

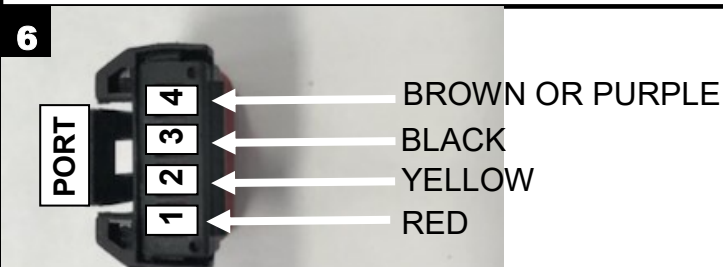
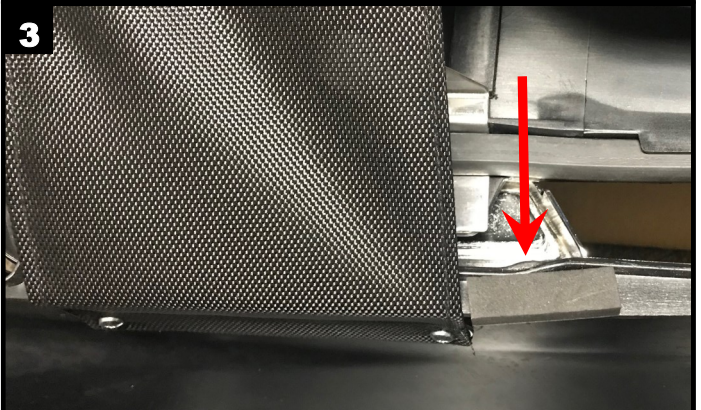
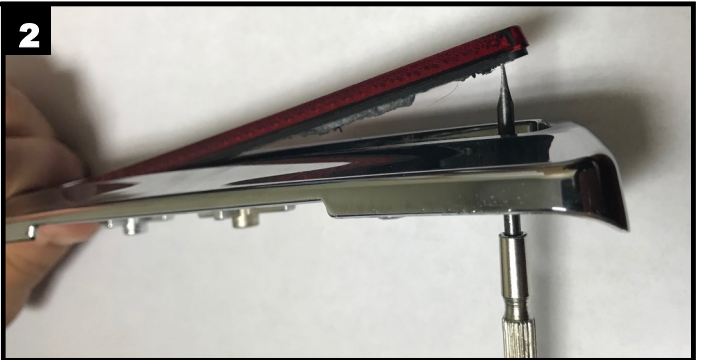
1. Secure motorcycle on level surface. Remove seat. Disconnect negative battery cable from the battery.
2. Locate and unplug the lighting connector to the rear fender.
3. Plug the provided BCM Y Harness Adapter, in-line, into the rear lighting harness and into the bike's main wiring harness.
4. Open saddle bag lid and remove any personal items from the saddle bag.
5. With the saddle bag open, disconnect the check strap from the lid of the saddlebag. Save the hardware for reassembly. The saddlebag lid will need to remain fully open to the outside of the saddlebag. Take protective measures so the saddlebag and/or lid are not damaged during the rest of the installation.
6. Remove the hinge cover from the hinge and locking mechanism.
7. With the hinge cover laying face down on a flat surface, place the hole templet on the back of the hinge cover and mark the hole location. See Photo 1
8. Carefully drill a 1/4" hole where you marked it in the previous step. Do not drill all the way through the reflector, you only want to drill through the hinge cover.
9. Use a small screwdriver and push the reflector out from the back side of the hinge cover where you drilled the hole. See Photo 2.
10. With the reflector removed, enlarge the hole you drilled in step 8 to 3/8". Clean any debris and adhesive from the area where the reflector was removed.
11. Wipe the reflector area down with Denatured Alcohol and let dry.



Questions? Email: info@CustomDynamics.com or Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST

Installation Continued:

12. Route wire from Latch Lightz™ through the hole you drilled in the hinge cover. Remove the protective red film from the back of the Latch Lightz™. Align the Latch Lightz™ in the reflector area and press into place.
13. Reinstall the hinge cover on the saddle bag hinge.
14. Install the provided foam strip on the top outside lip of the saddle bag as shown in Photo 3.
15. Route wire from Latch Lightz™ over the foam pad and around to the front of the saddle bag towards the locking latch. Secure the wire to the inside of the saddlebag using the provided tie wrap holders and tie wraps as shown in Photo 4. Apply adhesive primer to mounting location of the tie wrap holder before pressing into place.
16. Remove saddlebags from the motorcycle. Transfer the saddle bags to a protected work area to prevent scratches.
17. Using a grease pencil, mark desired drill point for the Latch Lightz™ wire to exit the saddle bag. It is recommended the drill hole is located approximately 1" below the saddle bag latch as shown in Photo 5. Apply masking tape to the outside of the saddlebag at the marked drill point.
18. Using a 9/16 drill bit, drill a hole through the marked drill hole on each saddlebag. Drill from the outside of the saddlebag to the inside then remove masking tape. It is recommended to start with a smaller drill bit and work up to a 9/16 drill bit.
19. Install the provided rubber grommet into the hole you drilled in the previous step.
20. Route wire from each Latch Lightz™ through the rubber grommets and out the backside of the saddle bag.
21. Install the provided JAE connectors onto the pre-pinned wires from each Latch Lightz™ by pushing the pins into the connector ports according to Photo 6 (locking tab oriented at top of JAE connector):
 - Port 1 = Red
 - Port 2 = Yellow
 - Port 3 = Black [-]
 - Port 4 = Brown or Purple
23. Pins should snap in place and not pull back out of connector when installed correctly.
24. Reinstall saddlebags and plug in the male JAE connectors from each Latch Lightz™ to the female JAE connectors (black) of the quick disconnect harness.
25. Plug the quick disconnect harness into the BCM Y Harness adapter.
26. Secure wires under the seat with tie wraps to secure wires from becoming cut, frayed, or pinched.
27. Reinstall motorcycle seat and test operation of all lighting before riding.



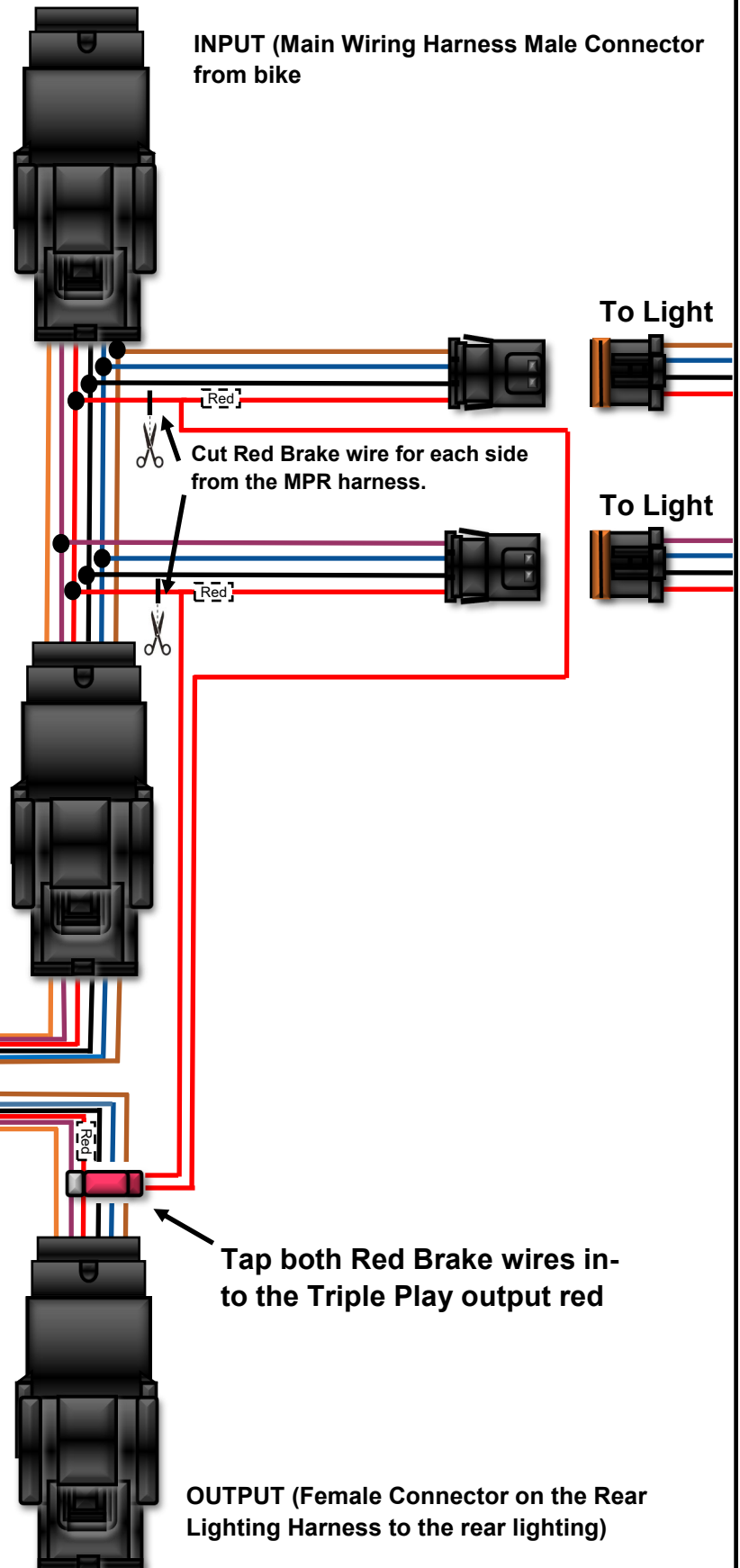
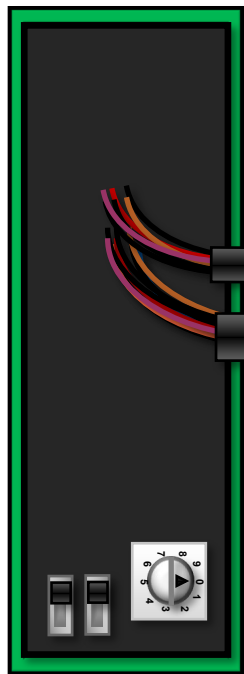
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Brake Strobe Modification with GEN-SMART-TPU-BCM

This modification will allow the Dual Color Latch Lightz to strobe when used with a GEN-SMART-TPU-BCM (Sold Separately).

The RED brake wire in the pigtails of the BCM Y Harness Adapter must be cut and connected to the brake output wire of the Triple Play BCM module.

GEN-SMART-TPU-BCM



Package Contents



BCM Y Harness Adapter



Quick Disconnect Harness



LED Latch Light



Foam Pads



Drill Templet



JAE Connectors



Wire Ties



Tie Wrap Holders



Grommets



Quick Disconnect Harness



LED Latch Light