



Custom Dynamics® Saddlebag LED Latch Lightz™ Installation Instructions

We thank you for purchasing the Custom Dynamics® Saddlebag LED 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-SBL-BCM-RB CD-SBL-BCM-RC
CD-SBL-BCM-SB CD-SBL-BCM-SC

Package Contents:

- Saddlebag LED Latch Lightz™ w/ Hinge Cover (2)
- BCM Y Harness Adapter w/ Plugs (1)
- Quick Disconnect Harness (2)
- 4" Cable Ties (10)
- Cable Tie Holders (8)
- Instructions (1)

Fits: 2014-2024 Harley-Davidson® Ultra Limited (FLHTK), 2014-2023 Street Glide (FLHX), Street Glide Special (FLHXS), 2015-2023 Road Glide (FLTRX), Road Glide Special (FLTRXS), 2017-2025 Road King Special (FLHRXS), 2014-2022 Road King (FLHR), 2022-2023 Street Glide ST (FLHXST), Road Glide ST (FLTRXST) & CVO™ Road Glide Limited (FLTRKSE), 2020-2024 Road Glide Limited (FLTRK), 2015-2022 CVO™ Street Glide (FLHXSE), 2018-2022 CVO™ Road Glide (FLTRXSE), 2019-2022 Electra Glide Standard (FLHT), 2014-2019 Electra Glide Ultra Classic (FLHTCU), 2015-2016 Ultra Classic Lo (FLHTCUL) & CVO™ Road Glide Ultra (FLTRUSE), 2016-2019 Road Glide Ultra (FLTRU), 2015-2018 Ultra Limited Lo (FLHTKL), 2014-2021 CVO™ Limited (FLHTKSE) and 2014 CVO™ Road King (FLHRSE).

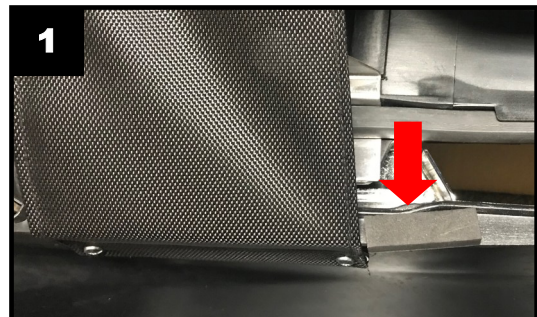
Functions as run, brake & turn OR run & turn signal only depending on model.

Refer to page 3 & 4 for diagrams on alternative functions and wiring.



Installation:

1. Remove seat and disconnect the 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 motorcycles main wiring harness.
4. Open saddle bag lid and remove any personal items from the saddlebag.
5. With the saddlebag 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. Install the Saddlebag LED Latch Lightz™ in place of the OEM hinge cover on the saddlebag hinge.
8. Reinstall the check strap to the saddlebag lid.
9. Install the provided foam strip on the top outside lip of the saddle bag as shown in **Figure 1**.



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 motorcycle.

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 motorcycle 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 motorcycle 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.

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

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Installation Continued:

10. Route wire from Saddlebag LED Latch Lightz™ over the foam pad and around to the front of the saddlebag towards the locking latch. Secure the wire to the inside of the saddlebag using the supplied Cable Ties and Cable Tie Holders as shown in **Figure 2**. Clean the mounting location of the Cable Tie Holders with denatured alcohol before pressing into place.



11. Remove saddlebags from the motorcycle. Transfer the saddlebags to a protected work area to prevent scratches.
12. Using a grease pencil, mark desired drill point for the Saddlebag Latch Lightz™ wire to exit the saddlebag. It is recommended the drill hole is located approximately 1" below the saddle bag latch as shown in **Figure 3**. Apply masking tape to the outside of the saddlebag at the marked drill point.



13. 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.

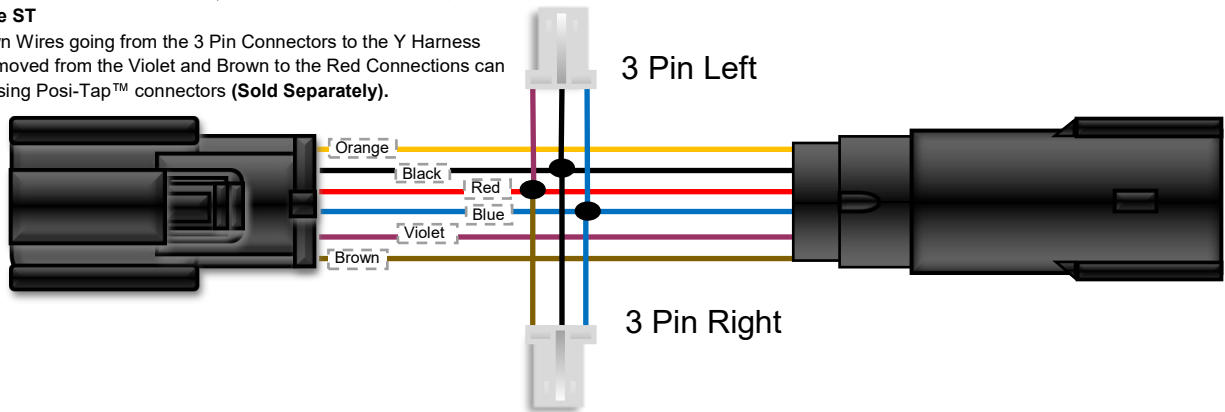
14. Route wire from each Saddlebag LED Latch Lightz™ through the 9/16" hole and out the backside of the saddlebag. Install the grommet in the 9/16" hole in the saddlebag.
15. Reinstall saddlebags and plug in the male JAE connectors from each Saddlebag LED Latch Lightz™ to the female JAE connectors (black) of the Quick Disconnect Harness.
16. Plug the Quick Disconnect Harness into the BCM Y Harness Adapter.
17. Secure wires under the seat with supplied Cable Ties to secure wires from being cut, frayed or pinched.
18. Reinstall motorcycle seat and connect the negative battery cable to the battery.
19. Test the Custom Dynamics® Saddlebag LED Latch Lightz™ for proper operation.

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Run-Brake Modification

For 2014 CVO™ Road King, 2015-2022 CVO™ Street Glide, 2018-2022 CVO™ Road Glide, 2014-2022 Road King® Standard, 2014-2015 Limited CVO™ and 2015 Road Glide Ultra CVO™, 2022-2023 Road Glide ST, 2022-2023 Street Glide ST

*Purple and Brown Wires going from the 3 Pin Connectors to the Y Harness must be cut and moved from the Violet and Brown to the Red Connections can easily be made using Posi-Tap™ connectors (Sold Separately).

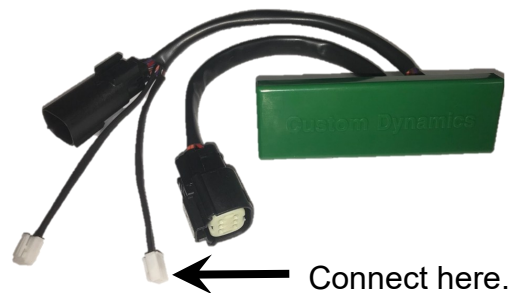
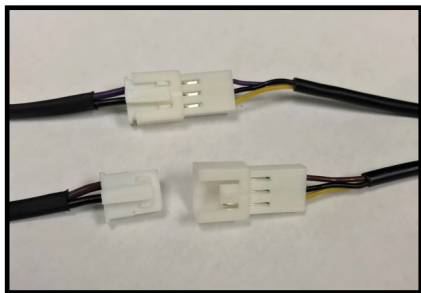


Run-Brake-Turn Modification

For 2014-202 Road King® Standard, 2014-2015 Limited CVO™ and 2015 Road Glide Ultra CVO™ 2014 CVO™ Road King, 2022-2023 Road Glide ST, 2022-2023 Street Glide ST

Plug-N-Play with SMART Triple Play® accessory plugs

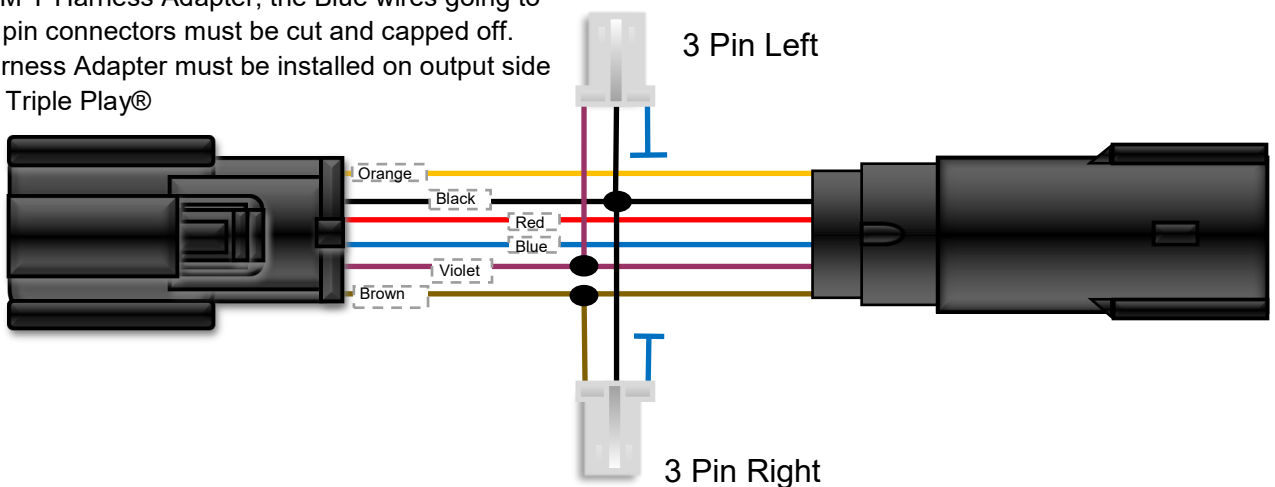
*SMART Triple Play® with accessory plugs required. The provided BCM Y harness **will not** be used. The two 3 pin connectors that extend from the output side of the Smart Triple Play® module allow for plug and play installation. Simply plug in the left side (violet) and right side (brown) female connectors from the Smart Triple Play® to the corresponding male connectors on the product.



SMART Triple Play® without accessory plugs

*SMART Triple Play® without accessory plugs required.

On the BCM Y Harness Adapter, the Blue wires going to both three pin connectors must be cut and capped off. BCM Y Harness Adapter must be installed on output side of SMART Triple Play®



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Run-Brake-Turn modification with GEN-SMART-TPU-14CVO

2014 CVO™ Road King, 2015-2022 CVO™ Street Glide and 2018-2022 CVO™ Road Glide

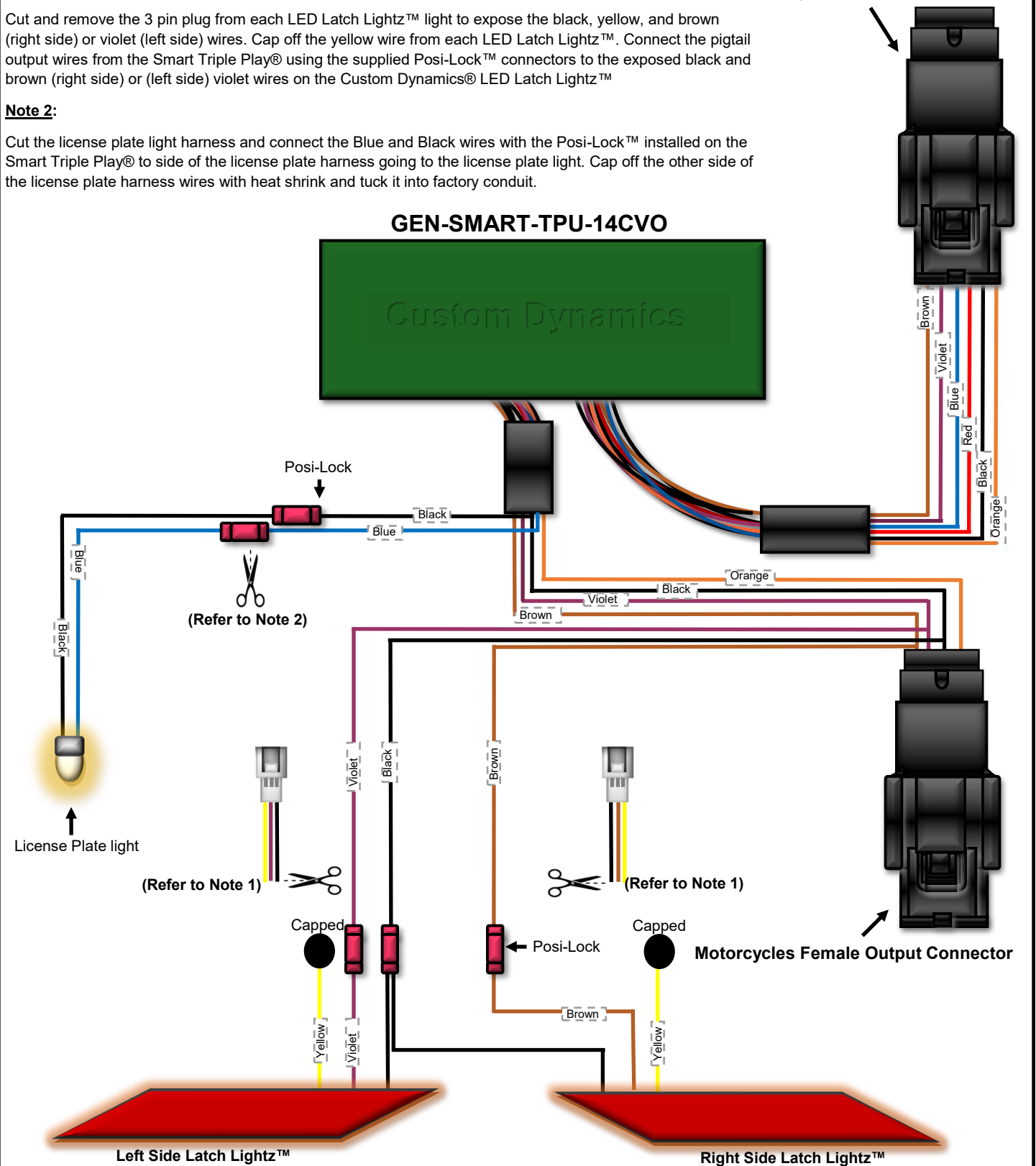
Note 1:

Cut and remove the 3 pin plug from each LED Latch Lightz™ light to expose the black, yellow, and brown (right side) or violet (left side) wires. Cap off the yellow wire from each LED Latch Lightz™. Connect the pigtail output wires from the Smart Triple Play® using the supplied Posi-Lock™ connectors to the exposed black and brown (right side) or (left side) violet wires on the Custom Dynamics® LED Latch Lightz™

Note 2:

Cut the license plate light harness and connect the Blue and Black wires with the Posi-Lock™ installed on the Smart Triple Play® to side of the license plate harness going to the license plate light. Cap off the other side of the license plate harness wires with heat shrink and tuck it into factory conduit.

Motorcycles Male Input Connector



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