



# Custom Dynamics Saddlebag LED Latch Lightz Instruction Manual

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**Custom Dynamics Saddlebag LED Latch Lightz**



## Product Information

The CD-SBL-BCM-RB, CD-SBL-BCM-RC, CD-SBL-BCM-SB, and CD-SBL-BCM-SC are saddlebag LED latch light kits for motorcycles. The package contents include two saddlebag LED latch lightz with hinge covers, one BCM Y harness adapter with plugs, two quick disconnect harnesses, ten tie wraps, eight tie wrap holders, and two foam strips. These kits are designed to function as run, brake, and turn signals or run and turn signal only, depending on the model. Refer to pages 3 and 4 for diagrams on alternative functions and wiring.

## Product Usage Instructions

**ATTENTION:** Please read all information below before installation.

1. Secure the motorcycle on a level surface and remove the seat. 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 bike's main wiring harness.
4. Open the saddlebag 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. Reinstall the check strap to the Saddlebag Lid.
8. Install the provided foam strip on the top outside lip of the saddlebag as shown in Photo 1.
9. 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 provided tie wrap holders and tie wraps as shown in Photo 2. Clean the mounting location of the tie wrap holder with denatured alcohol before pressing into place.

10. Remove saddlebags from the motorcycle. Transfer the saddlebags to a protected work area to prevent scratches.
11. 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 saddlebag latch as shown in Photo 3. Apply masking tape to the outside of the saddlebag at the marked drill point.
12. 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 2 9/16" drill bit.
13. 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.
14. 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.
15. Plug the quick disconnect harness into the BCM Y Harness adapter.
16. Secure wires under the seat with tie wraps to prevent wires from becoming cut, frayed, or pinched.

## **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 the installation of this product please

### **Part Numbers**

- CD-SBL-BCM-RB
- CD-SBL-BCM-RC
- CD-SBL-BCM-SB
- CD-SBL-BCM-SC

### **Package Contents**

- Saddle Bag LED Latch Lightz™ w/ Hinge Cover (2)
- BCM Y Harness Adapter w/ Plugs (1)
- Quick disconnect Harness (2) – 4" Tie Wraps (10)
- Tie Wrap Holder (8)
- Foam Strip (2)

**Fits:** 2014-2023 Harley-Davidson® Street Glide (FLHX), Street Glide Special (FLHXS), Ultra Limited (FLHTK), 2015-2023 Road Glide (FLTRX), Road Glide Special (FLTRXS), 2017-2023 Road King Special (FLHRXS), 2014-2022 Road King (FLHR), 2022-2023 Street Glide ST (FLHXST), Road Glide ST (FLTRXST) & CVO™ Road Glide Limited (FLTRKSE), 2020-2023 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 the model.

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

## ATTENTION

Please read all information below before the Installation

**Warning:** Disconnect the negative battery cable from the battery; refer to the owner's manual. Failure to do so may result in electrical shock, injury, or fire. Secure the negative battery cable away from the positive side of the battery and all other positive voltage sources on the 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 the vehicle is on a 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 the tape to cure before washing or prolonged use of the vehicle.

**Note:** The Y Harness Adapter must be plugged into the output (behind) of 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.

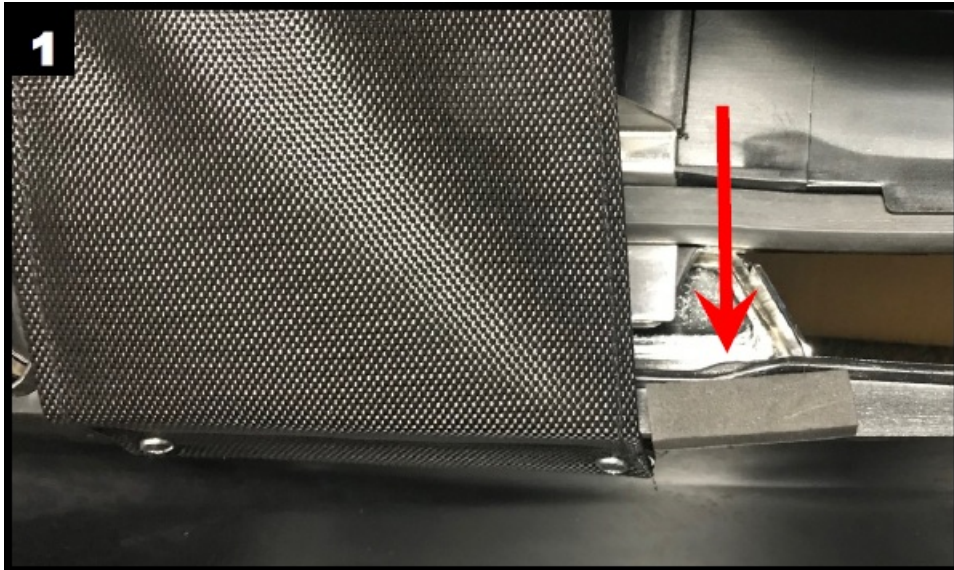


## Installation

1. Secure the motorcycle on level surface. Remove seat. 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 bike's main wiring harness.
4. Open the 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 saddle bag. 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 mechanisms.
7. Install the Saddlebag LED Latch Lightz™ in place of the OEM hinge cover on the saddle bag 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 Photo 1.



10. Route wire from Saddlebag LED 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 2. Clean the mounting location of the tie wrap holder 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 saddle bag. It is recommended the drill hole is located approximately 1" below the saddle bag latch as shown in Photo 3. Apply masking tape to the outside of the saddlebag at the marked drill point.



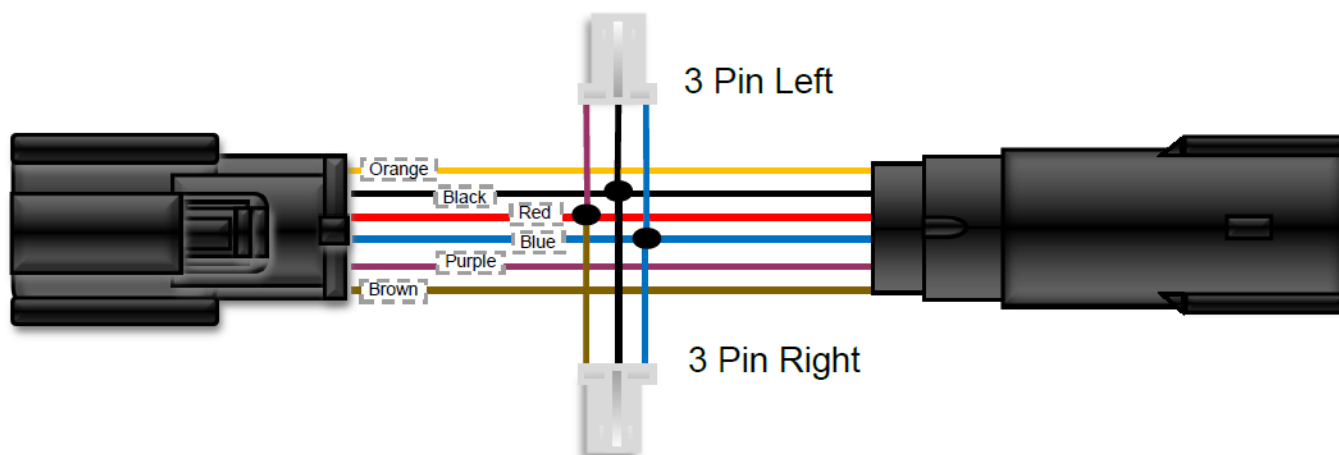


13. Using a 9/16 drill bit, drill a hole through the marked drill hole on each saddlebag. Drill from the outside of the saddlebag to the inside then removes masking tape. It is recommended to start with a smaller drill bit and work up to a 9/16 drill bit.
14. Route wire from each Saddlebag LED Latch Lightz™ through the 9/16" hole and out the backside of the saddle bag. Install the grommet in the 9/16" hole in the Saddle-bag.
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 tie wraps to secure wires from becoming cut, frayed, or pinched.
18. Reinstall the motorcycle seat and connect the negative battery cable to the battery.
19. Test the operation of all lighting before riding.

## **Installation Instructions**

### **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™ & 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 Purple and Brown to the Red Connections can easily be made using Posi-Tap™ connectors (Sold Separately)

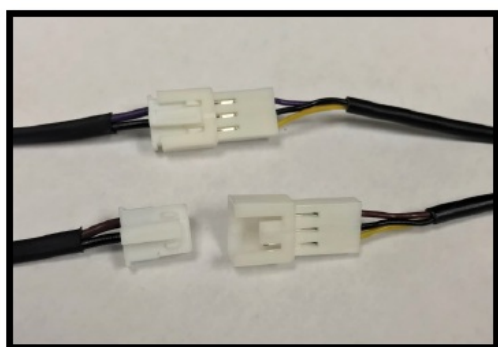


### Run-Brake-Turn Modification

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

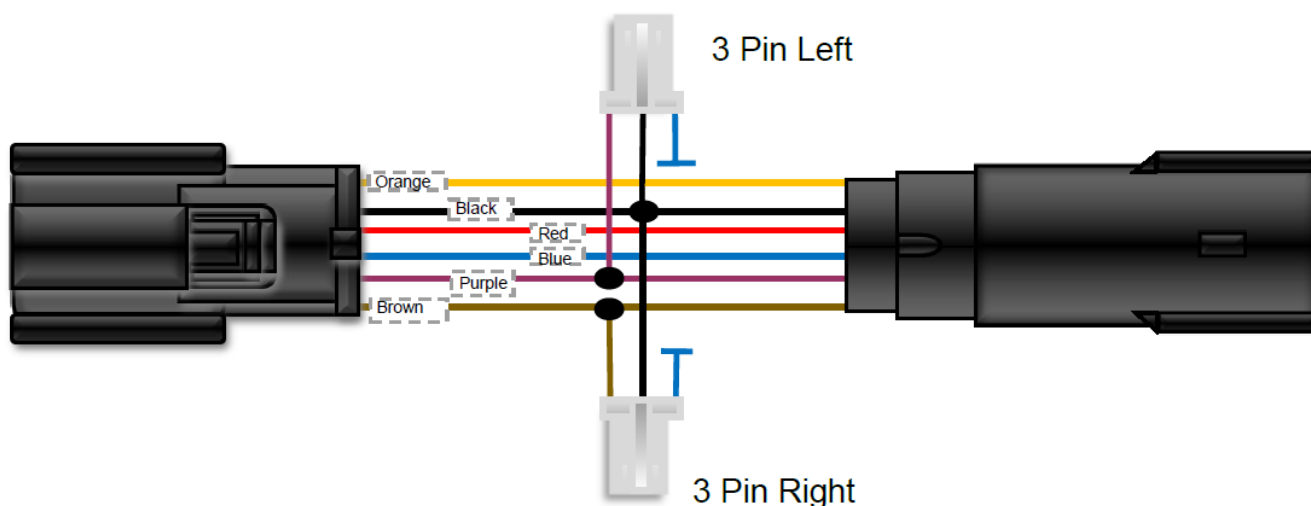
### Plug-N-Play with SMART Triple Play® accessory plugs

\*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 (purple) 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 the output side of SMART Triple Play®



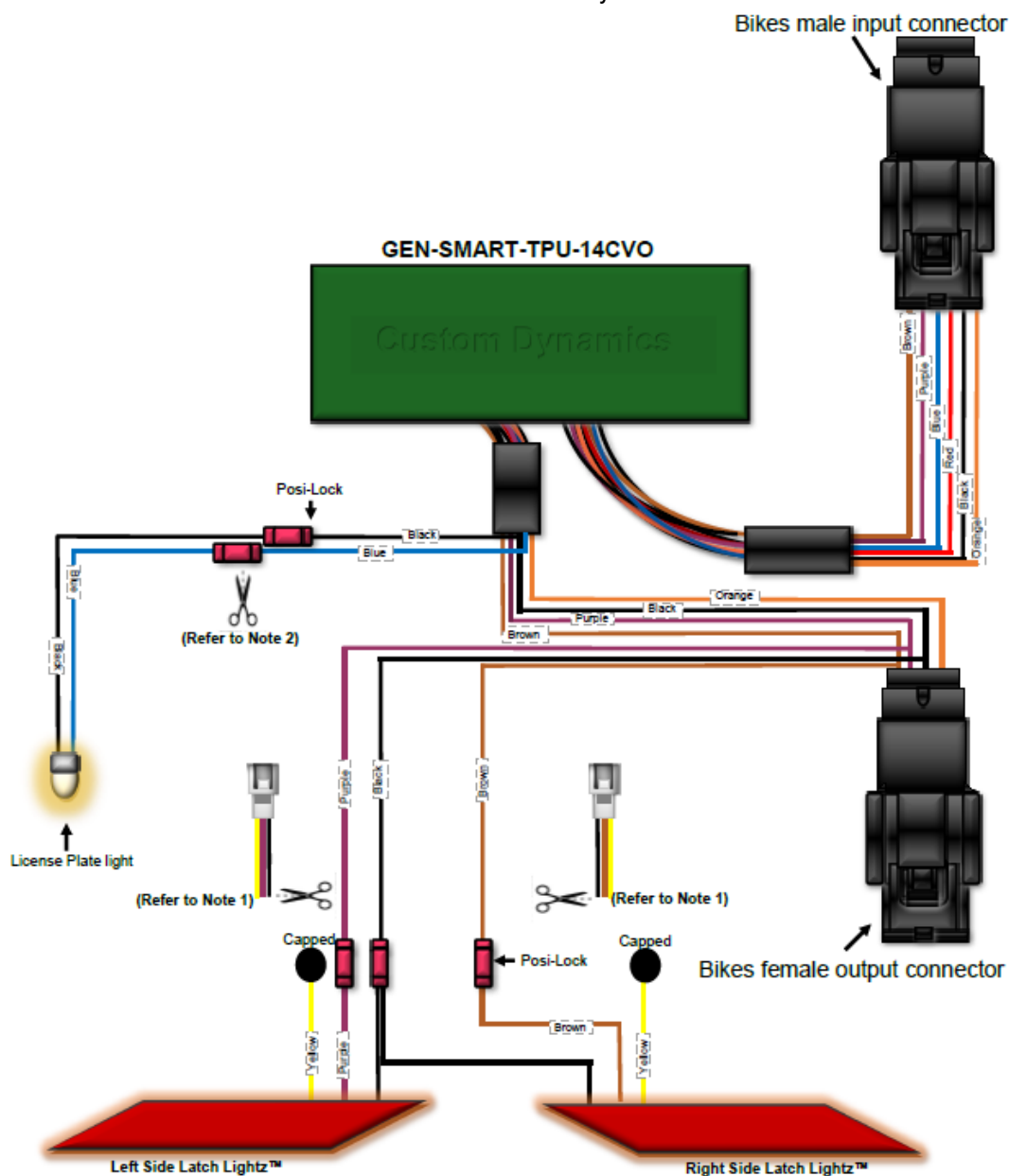
### Run-Brake-Turn modification with GEN-SMART-TPU-14CVO

#### 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 purple (left side) wires. Cap off the yellow wire from each LED Latch Lightz™. Connect the pig-tail output wires from the Smart Triple Play® using the supplied Posi-Lock™ connectors to the exposed black and brown (right side) or (left side) purple 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.



Questions? Call us at: 1 (800) 382-1388 M-TH 8:30 AM-5:30 PM / FR 9:30 AM-5:30 PM EST

**Documents / Resources**





**[Custom Dynamics Saddlebag LED Latch Lightz](#)** [pdf] Instruction Manual  
CD-SBL-BCM-RB, CD-SBL-BCM-RC, CD-SBL-BCM-SB, CD-SBL-BCM-SC, Saddlebag LED Latch Lightz, Saddlebag Latch Lightz, LED Latch Lightz, Latch Lightz, LED Lightz, Lightz