



Custom Dynamics® 23 CVO Saddlebag Lights Installation Instructions

We thank you for purchasing the Custom Dynamics® 23 CVO Saddlebag Lights. 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-LP-23-R CD-LP-23-S

Package Contents:

- Saddlebag LED Light w/ Quick Disconnect Harness (2)
- 23 CVO Bags MPR Harness (1)
- 4" Cable Ties (10)
- Cable Tie Holders (6)
- Magnet (1)
- Instructions (1)

Fits: 2023-2024 Harley Davidson® CVO Street Glide (FLHXSE), CVO Road Glide (FLTRXSE), 2024 Street Glide (FLHX), Road Glide (FLTRX), and CVO Road Glide ST (FLTRXSTSE).



ATTENTION



Please read all Information below before Installation

Disclaimer: Removal of our saddlebag lights after installation, may cause permanent damage to the finished surface area of the saddlebag.

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 lighting installed on the vehicle and should not be used for that purpose.

Note:

If you're experiencing a Rapid Flash on your Turn Signal dash indicator, you may need to sync the BCM (Body Control Module) and clear the trouble codes. Please click on the link below and follow the steps to clear the trouble codes and perform the BCM sync.

To sync the BCM, perform the following steps:

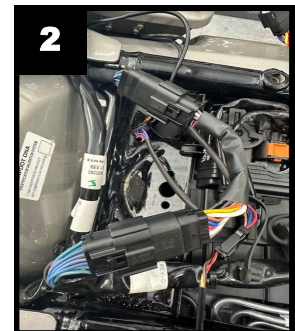
1. Turn Ignition on, but do not start the bike.
2. Turn on 4 way hazards by pressing the hazard button on the controls. Count 10 flashes and deactivate.
3. Turn on 4 way hazards for another 10 flashes and deactivate.
4. Clear Diagnostic Trouble Codes (DTC's)
5. Turn Ignition OFF then back ON. Turn on 4 way hazards.

After performing the steps above, turn the ignition switch to the ON position and test for proper turn signal operation. The dash turn signal indicators should no longer be Rapid Flashing.



Installation:

1. Remove the seat and disconnect the negative battery cable from the battery.
2. Locate the 12-pin connector going to the rear fender lighting. Unplug and install the 23 CVO Bag MPR Harness in line with the rear fender lighting shown in **Figure 1 & 2**.



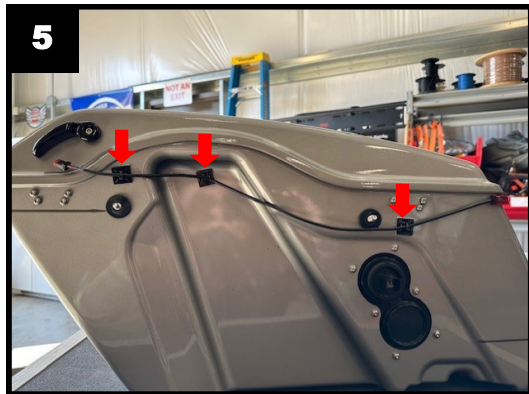
Note: The order of installation will be motorcycles BCM main wiring harness, brake strobe module (if installed), 23 CVO Bag MPR Harness, Run/Brake/Turn module (if installed) and then the motorcycles rear lighting harness.

3. Test fit the Saddlebag Lights as shown in **Figure 3 & 4**. The saddlebag light with the purple wire in the harness will mount on the left saddlebag. The saddlebag light with the brown wire in the harness will mount on the right saddlebag. The light should mount a couple millimeters below the bottom edge of the lid when the lid is closed.

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4. Clean area for bag lights with denatured alcohol. Allow 1-2 minutes to dry.
5. Remove the protective red film from back and install the lights onto saddlebags and press into place.
Note: Do not apply too much pressure in the center of the Saddlebag Lights. This can cause the lens to crack and will not be covered under warranty.
6. Remove both saddlebags from the motorcycle.
7. Select location for cable tie holders. Clean area with denatured alcohol, allow to dry. Remove paper backing for cable tie holders and press into place shown in **Figure 5**.



8. Route wires from saddlebag light to each cable tie holder location and secure wires with cable ties to prevent wires from being cut, frayed, or pinched..
9. Reinstall saddlebags. Connect the black 4 pin JAE connector from saddlebag lights to 23 CVO Bag MPR Harness.
10. Secure wires with cable ties to prevent wires from being cut, frayed, or pinched.

11. Reinstall the seat and reconnect the battery negative cable to the battery.
12. Test all operations of rear turn signals and 23 CVO Saddlebag Lights. **Note: Programming signal functionality are as follows. To select the turn signal configuration, place magnet at/near the position shown in Figure 6 within 20 seconds of key on/power on. Once the 23 CVO Saddlebag Lights sense the magnet, it will change and display the next turn signal configuration. See order of configurations below. To cycle to the next turn signal configuration, move the magnet away from the position in Figure 6 and bring it back to the previous position within 10 seconds. If the magnet is continuously held at/near the position in Figure 6 the 23 CVO Saddlebag Lights will display or demonstrate the current turn signal configuration. If the magnet is removed for longer than 10 seconds, the turn signal configuration will be saved. Choose between three turn signal function modes. 1) Sequencing ON: The turn signals LED's turn ON in sequence from inward to outward. 2) Sequence OFF: The turn signals LED's all turn ON initially, then sequence OFF from inward to outward. 3) Stand-ard flash.**

