

Custom Dynamics® Shark Demon® Road Glide LED Turn Signals Installation Instructions



We thank you for purchasing the Custom Dynamics® Shark Demon® Road Glide LED Turn Signals. 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: SD-23RG-FT-AW SD-23RG-FT-YB

Package Contents:

- Shark Demon® LED Turn Signals (2)
- PT-HARN-14-JAE Harness (2)
- 1/4-20 x 1" Allen Head Socket Bolts (2)
- 1/4-20 Serrated Flange Nuts (2)
- Instructions (1)

Fits: 2023-2025 Harley-Davidson® CVO Road Glide (FLTRXSE), 2024-2025 Road Glide (FLTRX) and CVO Road Glide ST (FLTRXSTSE).

Note: Adapter Harness MPR-23-FTS will be needed for installation (sold separately).



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.

Warning: Do not exceed 1 amp load on each of the front turn signal circuits. Doing so could cause overloading or rapid flash.

Cleaning: Take special care in cleaning the finish. Never use abrasive polishes or cleaners as these can scratch the finish.

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. 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 motorcycle.
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 all necessary parts to disconnect the negative battery cable from the battery.
2. Remove 4 screws and rubber seals to remove the windshield. Shown in **Figure 1**.



3. Remove the 3 screws and remove the windshield blocks on both sides of the motorcycle. Shown in **Figure 2**.



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**

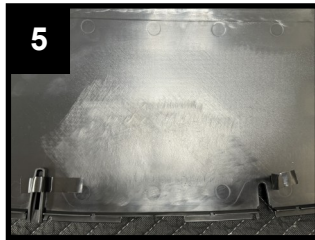
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Installation Continued:

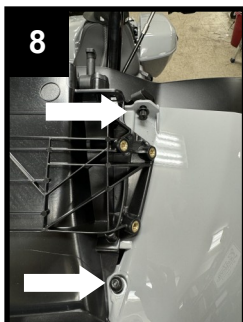
4. Remove center vent face cover that is held in place by retaining clips by gently prying and pulling vent cover straight out and away from motorcycle. Shown in **Figure 3**.



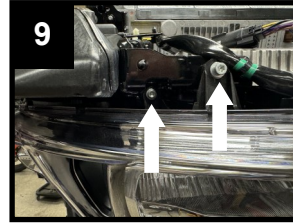
5. Remove vent cover by lifting up and out and do not lose the rubber windshield posts. Shown in **Figures 4 & 5**.



6. Remove outer fairing by removing the speaker grills that are held into place with retaining clips, pry up at the inner edge and pull away from motorcycle. Remove the 2 screws in speakers area and the 2 screws down at the fairing wind deflectors and remove the final 4 screws at the top of the fairing and remove fairing gently. Shown in **Figures 6, 7 & 8**.



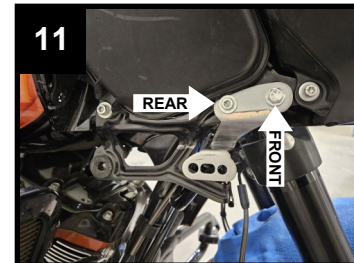
7. When removing outer fairing gently pull away from the motorcycle and set aside in a safe place to prevent damage.
8. Remove headlight by removing 6 screws and pull headlight away from motorcycle and unplug the headlight connector. Shown in **Figures 9 & 10**.



9. Connect Adapter Harness MPR-23-FTS (**sold separately**) to the headlight connector and connect two supplied PT-HARN-14-JAE Harnesses to the pigtails from the MPR-23-FTS Harness. **Note:** The pigtail with the brown wire is the right turn signal and the pigtail with the violet wire is the left turn signal. Route both PT-HARN-14-JAE Harnesses to each side for the turn signal to be connected and secure wires with cable ties to prevent from being cut, frayed or pinched.

10. Reinstall the headlight.

11. Install the Shark Demon® Road Glide LED Turn Signals using the OEM bolt in the rear hole and the supplied 1/4-20 x 1" Allen Head Socket Bolts and Serrated Flange Nuts in the front hole. Shown in **Figure 11** (**only the bracket is shown in Figure 11**). **Note:** You **DO NOT** use the Serrated Flange Nuts if you have OEM Lower Fairings installed on the motorcycle.



12. Reinstall the outer fairing, speaker grills, center vent face cover, windshield blocks and windshield in reverse they were removed.
13. Reinstall all necessary parts to reconnect the negative battery cable to battery.
14. Test the new Custom Dynamic® Shark Demon® Road Glide LED Turn Signals for proper operation.