



Custom Dynamics® 23 CVO Quad Radius License Plate Frame Installation Instructions

We thank you for purchasing the Custom Dynamics® 23 CVO Quad Radius License Plate Frame. 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.

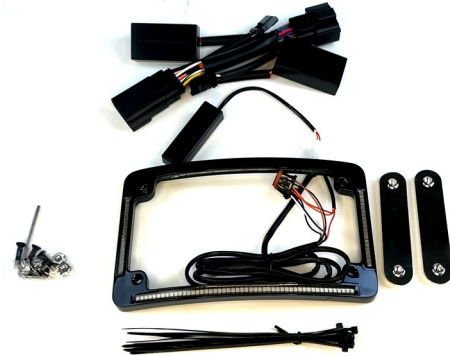
Part Numbers: TF05-23-B TF05-23-C

Package Contents:

- 23 CVO Quad Radius License Plate Frame (1)
- MPR-23-J-I-P Harness (1)
- BRACKET-CVO-LPF (2)
- 8-32 x 3/4" Flat Allen Head Bolts (4)
- 8-32 Nylon Lock Nuts (4)
- 2.5 mm Allen Key (1)
- 4" Cable Ties (10)
- Instructions (1)

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

Note: Only compatible with our CD-CVO-MOUNT (sold separately).



Installation:

1. Remove seat and disconnect the negative battery cable from the battery.
2. Locate rear lighting plug under seat and plug in the MPR-23-J-I-P Harness in-line.
3. If the CD-CVO-MOUNT (sold separately) is already installed on the motorcycle, it must be removed for the 23 CVO Quad Radius License Plate to be installed.
4. If installed, remove the license plate from the OEM plate frame mount.
5. Locate the license plate illumination connector cover located on the underside of the rear fender. Shown in **Figure 1**.

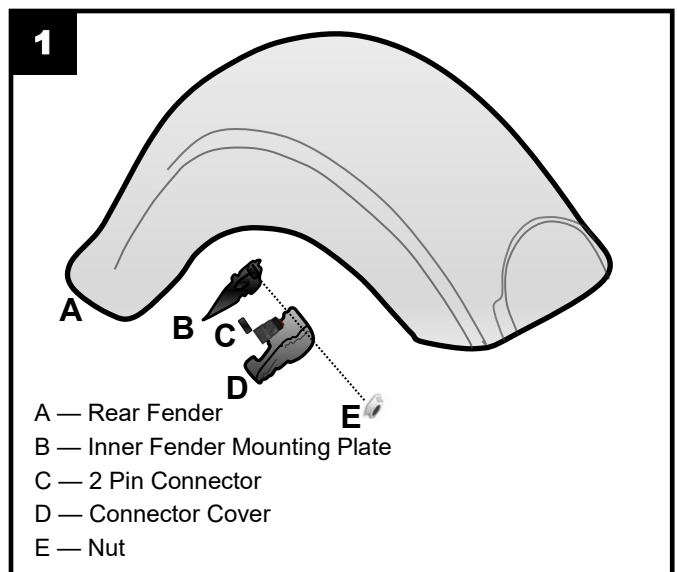


ATTENTION

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.



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:

6. Remove the nut securing the connector cover to the fender. With the nut removed, pull the cover off of the stud and slide the cover up to remove. Shown in **Figure 1 on Page 1**.
7. Locate and disconnect the 2-pin JAE connector from the existing license plate light.
8. If installed, remove the OEM plate frame mount from the fender by removing the two mounting bolts. Shown in **Figure 2**.
9. Unplug the dual converter from wiring harness of the plate frame (dual converter will not fit through the hole in the CD-CVO-MOUNT, it will be plugged back in at a later step) and route the dual converter connector and two JAE connectors through the hole in the CD-CVO-MOUNT. When installed, the wiring harness should lay in the recessed area of the plate mount. Shown in **Figure 3**.
10. Loosely install the top 2 plate frame mounting bolts to hold the plate in place while mounting the CD-CVO-MOUNT to the rear fender.
11. Install the rubber gaskets on the back of the CD-CVO-MOUNT.
12. Lay the CD-CVO-MOUNT with the rubber gasket installed, onto the fender. The dual converter connector and the two JAE connectors from the plate frame will need to be fed through the hole in the fender. Align the mounting holes on the CVO Mounting plate with the holes in the fender.
13. Using the 2 supplied mounting bolts that came with the CD-CVO-MOUNT secure the CD-CVO-MOUNT to the rear fender.
14. Route the dual converter connector and two JAE connectors from the plate frame to the license plate down and out at the bottom right of the fender and up along the fender support rails to the center of the motorcycle under the seat, using the supplied Cable Ties to secure wires from being cut, frayed or pinched. Shown in **Figures 4 and 5**.
15. Plug the two JAE connectors into the MPR-23-J-I-P Harness, brown wire is right and violet wire is left, and plug the dual converter back into the harness. Secure wires with supplied Cable Ties to prevent wires from being cut, frayed or pinched.
16. Reinstall the connector cover on under side of the rear fender to cover the unused OEM license plate light connector using the existing nut. (**Removed in Step 6**).
17. Gently radius the license plate to match the radius of the CVO Mounting Plate. The license plate may need to be cut or notched to allow the wiring from the plate frame to pass through the license plate.
18. Using the supplied bolts and threaded bolt plates, mount your license plate and plate frame to the CD-CVO-MOUNT. Take precaution not to pinch the plate frame harness.
19. Reconnect the negative battery cable to the battery and reinstall the seat.
20. Test the Custom Dynamics® 23 CVO Quad Radius License Plate Frame for proper operation.

