



Custom Dynamics® Luggage Rack LED Light Bar Installation Instructions

We thank you for purchasing the Custom Dynamics® Luggage Rack LED Light Bar. 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 Number: CD-LR-01-R CD-LR-01-S

Package Contents:

- Luggage Rack LED Light Bar (1)
- Luggage Rack Adapter Harness (1)
- Allen Head Bolt with Washer (2)
- Male JAE Connector (1)
- Nylon Wire Guide (1)
- Wire Clips (4)
- Cable Ties (6)
- Foam Mounting Pads (2)
- Instructions (1)

Fitment: 2014-2024 Harley-Davidson® Ultra Limited (FLHTK) and Tri Glide (FLHTCUTG), 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), 2014 CVO™ Road King (FLHRSE), and 2020-2022 CVO™ Tri Glide (FLHTCUTGSE).

Requires OEM or add-on Tour Pak with Harley-Davidson® Air Wing Tour Pak Luggage Rack (PN 79179-08 or 53000063).



Installation:

1. Remove motorcycle seat and Tour Pak Liner from Tour Pak. Consult your owners manual if unsure of this process.
2. Disconnect the negative battery cable from the battery.
3. On the left side of the bottom rear rail, remove the black rubber plug from the hole. Shown in **Figure 1**.
4. Insert loop end of the supplied Nylon Wire Guide through the forward hole in the rail and out through the rear hole. Allow the straight end to remain outside the forward hole. Shown in **Figure 2 on Page 2**.



Please read all Information below before Installation

Warning: Disconnect negative battery cable from battery; refer to owner's manual. Failure do to 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.

Important: Motorcycle should be secured on a level surface for installation.

Important: This product is designed to be used specifically with the Harley-Davidson® brand Air Wing Luggage Rack (P/N 79179-08 or 53000063).

Note: Do NOT use thread locker such as Loc-Tite™ with this product. It will weaken the plastic at the screw holes causing cracks and will void the warranty.

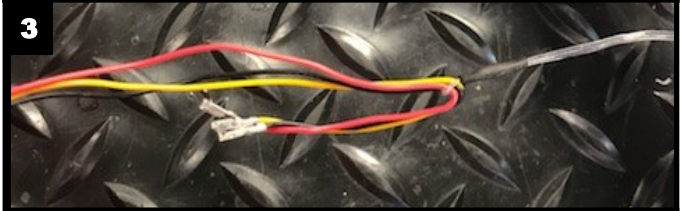


Questions? Email: info@CustomDynamics.com or Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST

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Installation Continued:

5. Loop approximately 2" of the Luggage Rack LED Light Bar wires through the closed end of the Nylon Guide Wire. Fold wires to secure around the Nylon Guide Wire to enable threading the wires through the rack tubing. Shown in **Figure 3**.
6. Carefully pull the straight end of the Nylon Guide Wire to draw the Luggage Rack LED Light Bar wires through the rail and out the forward hole. Detach the Luggage Rack LED Light Bar wires from the Nylon Guide Wire after the wires have been pulled through the front hole. Shown in **Figure 4**.
7. Install the 2 foam pads on to the top surface of the Luggage Rack LED Light Bar. Shown in **Figure 5**.
8. Align the Luggage Rack LED Light Bar to the underside of the Air Wing Luggage Rack rear crossbar. Shown in **Figure 6**.
9. Using a 9/64 Allen wrench, secure the Luggage Rack LED Light Bar to the Air Wing Luggage Rack using the supplied Allen Head Bolts and Washers.
10. Thread the wire from the Luggage Rack LED Light Bar through the mounting holt in the Tour Pak lid.
11. Route the Luggage Rack LED Light Bar wire towards the right front corner of the Tour Pak where the factory wiring exits the Tour Pak. Secure wires with supplied Wire Clips.
12. Remove the OEM Tour Pak rubber grommet.
13. Locate the factory Tour Pak wire harness connector located under the Tour Pak® along the back of passenger seat. The wiring with the connectors forms a (Y), you want to use the connector at the bottom of the (Y) and not the two at the top. **Note: Some 2016 models and all 2017-2018 models will not have a (y) configuration harness, there is only one 6 pin harness connector in this location, which is the correct plug for the Adapter Harness.**



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Installation Continued:

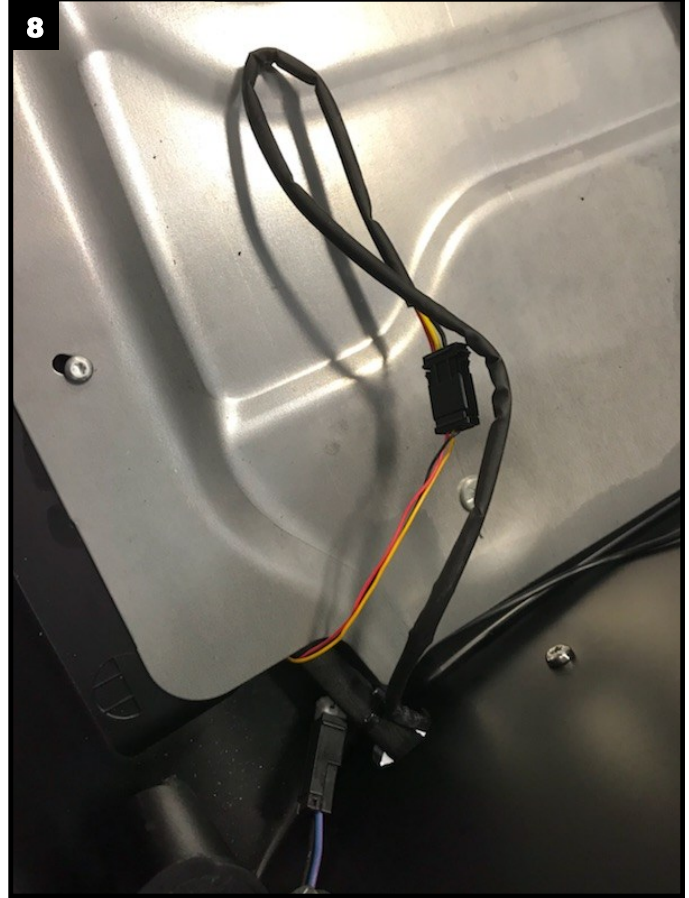
14. Plug in the included Adapter Harness into this factory plug. Shown in **Figure 7**. **Note: If installing this product with a Magic Strobes™ Brake Light Flasher, the provided Adapter Harness should be plugged in down stream of the Magic Strobes™ module to enable brake flashing on the Luggage Rack LED Light Bar.**
15. Route the female JAE connector from the Adapter Harness through the factory hole in the Tour Pak (where grommet was removed in Step 12).
16. Align the provided Male JAE Connector with the female plug (**do not plug in completely**).
17. Match up color of the pre-pinned wires from the LED assembly with the matching color wires from the female JAE connector. Insert each pinned wire into the corresponding Male JAE Connector port. Pins should snap in place and not pull back out of male connector when installed correctly. Shown in **Figure 8**.
18. Use supplied Cable Ties to secure wires from being cut, frayed or pinched.
19. Reinstall factory Tour Pak grommet (removed in Step 12). Shown in **Figure 9**.
20. Reconnect the negative battery cable to the battery.
21. Reinstall Tour Pak liner and motorcycle seat.
22. Test Custom Dynamics® Luggage Rack LED Light Bar for proper operation.

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Tour Pak
Connector
Location



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