



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 Assembly (1)
- Luggage Rack Adapter Harness (1)
- Allen Head Bolt with Washer (2)
- Male JAE Connector (1)
- Nylon Wire Guide (1)
- Wire Clips (4)
- Tie Wraps (6)
- Foam Mounting Pads (2)

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), 2017-2024 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. See Figure 1.
4. Insert loop end of the provided 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. See Figure 2.



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 vehicle.

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).

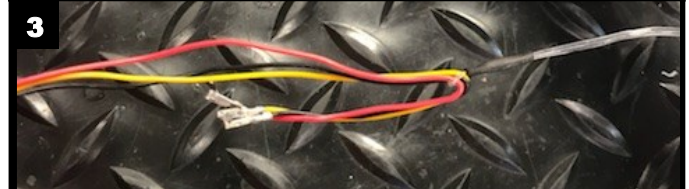
Notice: Do NOT use thread locker such as Loc-Tite™ with this product. It will weaken the plastic at the screw holes causing cracks and will void the warranty.



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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6. Loop approximately 2" of the LED Assembly wires through the closed end of the guide wire. Fold wires to secure around the guide wire to enable threading the wires through the rack tubing. See Figure 3.
7. Carefully pull the straight end of the guide wire to draw the LED Assembly wires through the rail and out the forward hole. Detach the LED Assembly wires from the guide wire after the wires have been pulled through the front hole. See Figure 4.
8. Install the 2 foam pads on to the top surface of the light. See Figure 5.
9. Align the LED Assembly to the underside of the Air Wing Luggage Rack rear crossbar. Figure 6.
10. Using a 9/64 Allen wrench, secure the LED Assembly to the Air Wing Luggage Rack using the provided Allen Head Bolts and washers.
11. Thread the wire from the LED assembly through the mounting holt in the Tour Pak lid.
12. Route the LED Assembly wire towards the right front corner of the Tour Pak where the factory wiring exits the Tour Pak. Secure loose wires with provided wire clips.
13. Remove the OEM Tour Pak rubber grommet.
14. 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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15. Plug in the included Adapter Harness into this factory plug. 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 LED Assembly.

16. Route the female JAE connector from the Adapter Harness through the factory hole in the Tour Pak (where grommet was removed in Step 13).

17. Align the provided Male JAE Connector with the female plug (do not plug in completely).

18. 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. Figure 8.

19. Use provided tie wraps to secure wires from becoming cut, frayed, or pinched.

20. Reinstall factory Tour Pak grommet (removed in Step 13). See Figure 9.

21. Reconnect the negative battery cable to the negative of the battery.

22. Install Tour Pak liner and motorcycle seat.

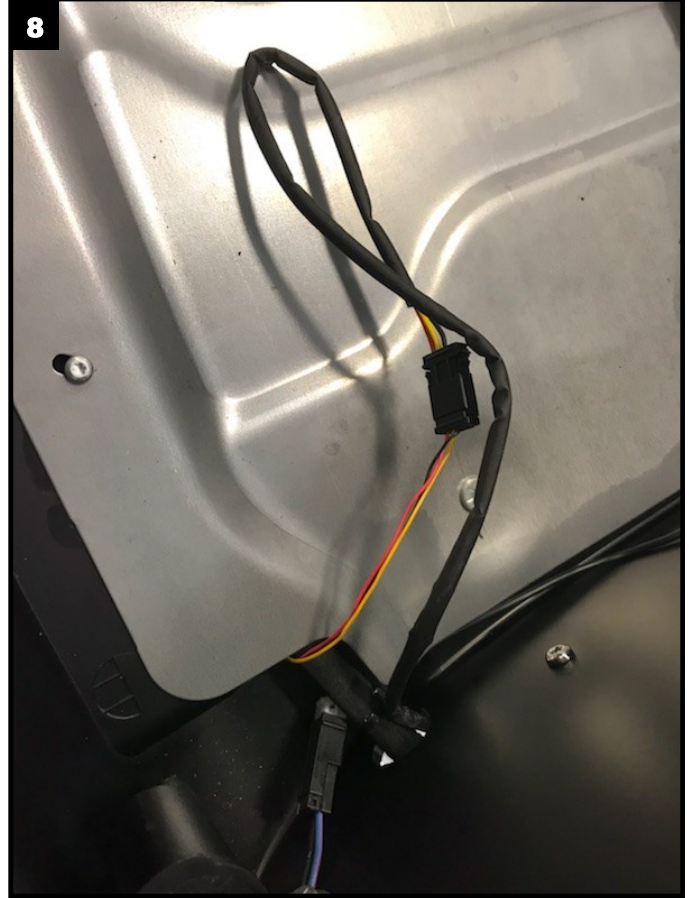
23. Test operation of all lighting before riding.

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Tour Pak
Connector
Location



8



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