



## 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-02-R CD-LR-02-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)

**Fitment:** 1996-2010 Softail® (Except Rocker), 1997-2013 Road King (FLHR), Road King Classic (FLHRC), Road King Custom (FLHRS), 1997-2009 Road Glide Standard (FLTR) and 2006-2009 Street Glide (FLHX) with add on Tour Pak with Air Wing Tour-Pak® Luggage Rack P/N 79179-08 or 53000063.

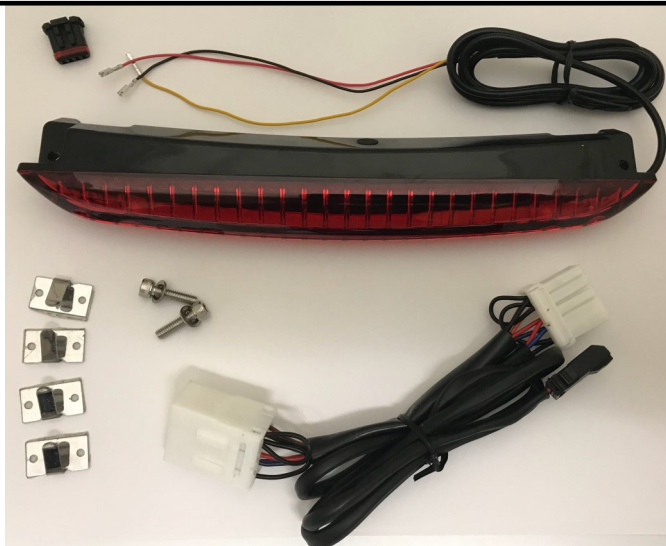


Please read all Information below before Installation

**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.

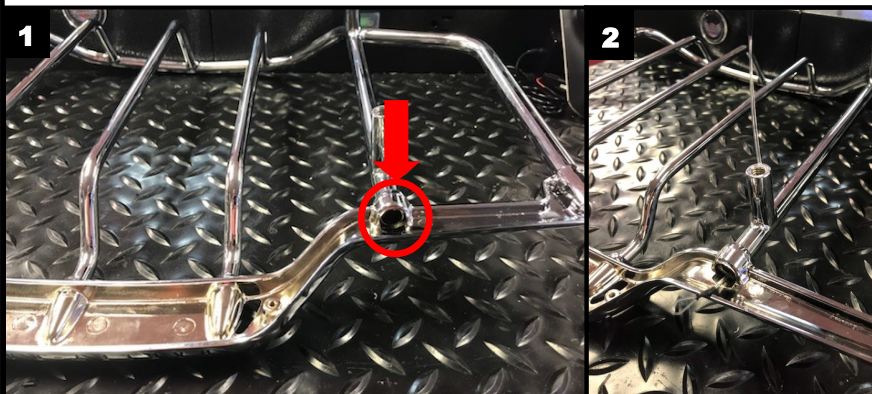
**Important:** Motorcycle should be secured on a level surface for installation.

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



### 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. Remove 4 bolts from Tour Pak lid to remove the Air Wing Luggage Rack from the Tour Pak. Move the luggage rack to a clean work surface to prevent scratches or damage to the luggage rack.
4. With the Air Wing luggage rack positioned upside-down; remove the black rubber plugs from the holes at the front of the left side rail. See Figure 1.
5. 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.



**Questions? 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. Align the LED Assembly to the underside of the Air Wing Luggage Rack rear crossbar. Figure 5.
9. Using a 9/64 Allen wrench, secure the LED Assembly to the Air Wing Luggage Rack using the provided Allen Head Bolts and washers.
10. Thread the wire from the LED assembly through the mounting holt in the Tour Pak lid.
11. Reinstall the Air Wing Luggage Rack to the Tour Pak lid using the original hardware removed in Step 3. Note the location of the hollow bolt. The hollow bolt should be used to secure the Air Wing Luggage Rack to the Tour Pak lid in the location the LED Assembly wire exits the luggage rack.
12. With the Air Wing Luggage Rack secure to the Tour Pak lid, route the LED Assembly wire towards the Left 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 where the factory rear lighting wire harness connects to the bikes main wiring harness under the seat. Plug the included Adapter Harness in at this location.

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.





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15. Route the female JAE connector from the Adapter Harness through the factory hole in the Tour Pak (where grommet was removed in Step 13).
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. Figure 6.
18. Use provided tie wraps to secure wires from becoming cut, frayed, or pinched.
19. Reinstall factory Tour Pak grommet (removed in Step 13). See Figure 7.
20. Reconnect the negative battery cable to the negative of the battery.
21. Install Tour Pak liner and motorcycle seat.
22. Test operation of all lighting before riding.

