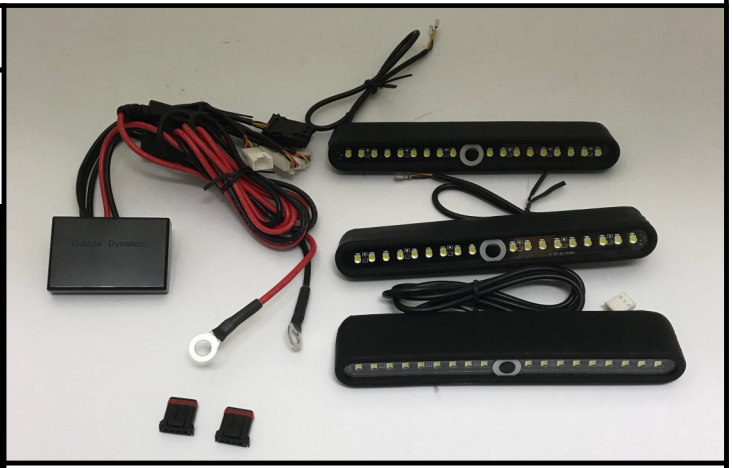
# Custom Dynamics® Interior LED Light Kit Installation Instructions

We thank you for purchasing the Custom Dynamics® Interior LED Light Kit! Our LEDs offer maintenance free service and higher visibility. Custom Dynamics® offers one of the best warranty programs and customer support in the industry. If you have any questions during the installation of this product please call us at 1(800) 382-1388.

**Part Numbers:** CD-TP-LIGHT, CD-SB-LIGHT

**Fitment:** Designed for mounting inside hard saddlebags & tour pak as interior lighting; 6" semi-flat mounting surface required.



**Package Contents:**

- Pre-Pinned Interior LED Light Bar (2)
- Wire Harness with Controller (1)
- Tie Wrap Holders (4)
- Black Tie Wraps (8)
- 3/8" Grommet (2)
- JAE Connectors (2)
- 1/4" Grommet (2)
- Instructions
- *Interior LED Light Bar with 3 pin connector (1)

*CD-TP-LIGHT kit only.

## ⚠ ATTENTION ⚠

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 vehicle.

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

**Important:** Controller should be secured after installation in an area away from heat, water, and any moving parts. We recommend the use of tie wraps (sold separately) to secure wires from becoming cut, frayed, or pinched. Custom Dynamics® is not liable for damage as a result of improperly securing or failing to secure the controller.

1

**Saddle Bag Light Kit Installation:**

1. Open saddle bag lid and remove any personal items from the saddle bag.
2. Test fit the Interior Light Bar to the inside of each saddle bag. Light Bar should be seated along the top inside edge of the saddlebag on the short side towards the front of the motorcycle with wires closest to the battery as shown in Figure 1.
3. Mark top and bottom of desired mounting location with a grease pencil.
4. Route wire from Light Bar back towards saddle bag latch. Using a grease pencil, mark desired drill point. It is recommended the drill hole is located approximately 1" below the saddle bag latch as shown in Figure 2.
5. Remove saddlebags and seat from motorcycle. Transfer saddle bags to protected work area to prevent scratches.
6. Apply masking tape to the outside of the saddlebag at the marked drill point from Step 4.
7. Using a 9/16 drill bit, drill a hole through the marked drill hole on each saddlebag. Drill from the outside of the saddlebag to the inside then remove masking tape.
8. Using denatured alcohol, clean the mounting surface area that the Light Bar will adhere to (marked in Step 3). Allow 1-2 minutes to dry.

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**Saddle Bag Light Kit Installation Continued:**

9. Peel back the red liner slightly on the left or right side LED Light Bar without removing the red liner completely.

10. Realign the Light Bar to the marked mounting location from Step 3. Pull away the remaining red tape liner as you press the Light Bar firmly into place.

11. Select the rubber grommet (included) with a thickness that best matches the thickness of your saddle bag (Figure 3). Install the selected rubber grommet onto the Light Bar wire.

12. Route wire from each Light Bar through the hole drilled in Step 7 and press the rubber grommet into the hole filling any empty space.

13. Secure the wire between the Light Bar and grommet to the inside of the saddlebag using one of the provided tie wrap holders and tie wrap as shown in Figure 4. Clean the mounting location of the tie wrap holder with denatured alcohol before pressing into place.

14. Install the provided JAE connectors onto the pre-pinned wires from each Light Bar by pushing the pins into the connector ports according to Figure 5 (locking tab oriented at top of JAE connector):

    Port 1 = Empty
    Port 2 = Black [-]
    Port 3 = Yellow
    Port 4 = Red

15. Pins should snap in place and not pull back out of connector when installed correctly.

16. Remove the seat from the motorcycle.

17. Disconnect the negative [-] battery cable from the battery.

18. Attach the single Red fusible wire from the Controller to the positive [+] side of the battery.

19. Attach the single Back wire from the Controller and the negative battery cable to the to the ground [-] side of the battery.

20. Reinstall saddlebags and plug in the male JAE connectors from each Light Bar to the female JAE connectors (black) on the installed Controller.

21. Secure wires and Controller under the seat with tie wraps to secure wires from becoming cut, frayed, or pinched.

22. Reinstall motorcycle seat and test operation of all lighting before riding.

**Operation:**

Light Bar can be turned on/off with center button located on the face of each light bar. Controller turns lights off automatically after 5 minutes.

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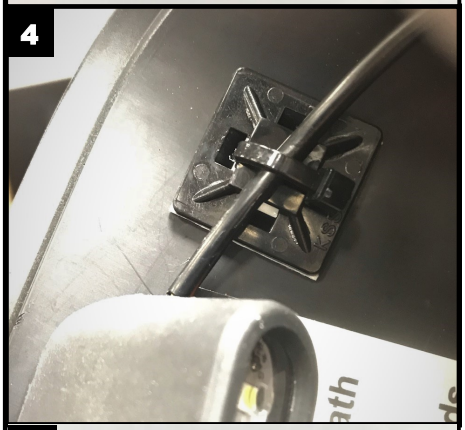

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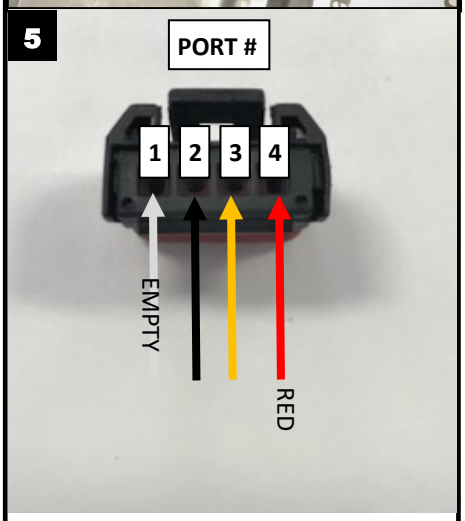

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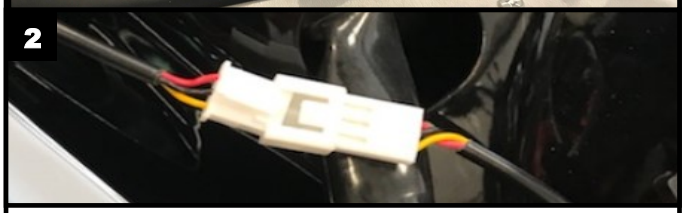


## Tour Pak Light Installation:

1. Remove Tour Pak Liner from Tour Pak. Consult your owners manual if unsure of this process.

2. Test fit the Interior Light Bar to the inside of the Tour Pak. Light Bar should be seated along the top inside edge in the center of the Tour Pak as shown in Figure 1.

3. Mark top and bottom of desired mounting location with a grease pencil.

4. Clean the surface area that the Light Bar will adhere to (marked in Step 3) with denatured alcohol. Allow 1-2 minutes to dry.

9. Peel back the red liner slightly on the left or right side LED Light Bar without removing the red liner completely.

10. Realign the Light Bar to the marked mounting location from Step 4. Pull away the remaining red tape liner as you press the Light Bar firmly into place.

11. Route wire from Light Bar back towards OEM Tour Pak wiring. Remove the OEM rubber grommet where Tour Pak wiring exists the Tour Pak and feed Light Bar wire and connector through towards the seat.

12. Secure wiring to inside of Tour Pak using provided Tie Wraps and Tie Wrap Holders.

13. Reinstall OEM Tour Pak rubber grommet.

14. Plug in Light Bar 3 pin connector into any open 3 pin connector from the controller as shown in Figure 2.

15. Secure wires and Controller under the seat with tie wraps to secure wires from becoming cut, frayed, or pinched.

16. Insert OEM Tour Pak liner into the Tour Pak and mark location of mounted LED Light Bar. Trim OEM liner to fit flush inside Tour Pak.

17. Reinstall Tour Pak liner, motorcycle seat and test operation of all lighting before riding.