Custom Dynamics® Integrated Fat Boy LED Taillight Installation Instructions

We thank you for purchasing the Custom Dynamics® Integrated Fat Boy LED Taillight. 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: CD-FATBOY-R
CD-FATBOY-S

Package Contents:
- Integrated LED Taillight (1)
- Wire Tie Holders (6)
- Tie Wraps (10)

Fits: 2018-2021 Harley-Davidson® Fat Boy (FLSTF/FLFB)

Note: It is highly recommended you perform installation in a controlled constant temperature of 60 degrees F or above and allowing 24 hours for tape to properly cure before riding or washing.

⚠ 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 vehicle.

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 vehicle is on level surface, secure and cool.

Important: This product is designed and intended for use as auxiliary lighting only. It is NOT intended to replace any original equipment lighting installed on the vehicle and should not be used for that purpose. This product must be wired so that it does not interfere with any original equipment lighting.

Important: Ambient install temperature must be 60 degrees F or higher. Allow 24 hours for tape to cure before washing or prolonged use of vehicle.

Installation

1. Remove seat from the bike.

2. Remove the black plastic reflector from the inside of the rear fender. It is attached to the fender with double sided tape.

3. Use denature alcohol to clean the underside folded fender lip to remove all road grime and dirt. Refer to Photo 1.

4. Test fit the new Integrated LED Taillight to underside folded lip of the fender. Make sure it is centered, then mark the position with a grease pencil for a guide. **NOTE:** the Integrated LED Taillight mounts on the folded lip of the fender not behind it.

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Installation Continued:

5. Remove the red backing tape on the back of the taillight. Press the Integrated LED Taillight into place using your marks from Step 4 as a guide.

6. Route the wiring harnesses from the Integrated LED Taillight on the inside of the fender to under the seat.

7. Use the provided Tie Wrap Holders and tie wraps, secure the wiring harnesses to the underside of the rear fender to prevent them from coming in contact with the rear tire. Clean the Tie Wrap Holder mounting locations of all road grime and dirt and prep the area with denature alcohol.

8. Locate the rear Left and Right turn signal connecters under the seat. The Grey connectors are the Left side. The Black Connectors are the Right side. Refer to Photo 2.

9. Disconnect the Left side (Grey) rear lighting connectors and connect the Integrated LED Taillight harness with the internal Purple wire (Left Side) inline to both Left side (Grey) connecters.

10. Disconnect the Right side (Black) rear lighting connectors and connect the Integrated LED Taillight harness with the internal Brown wire (Right Side) inline with both Right side (Black) connectors.

11. Perform a BCM sync by turning the ignition on, turn the 4 way hazards on, turn the ignition off. Allow the 4 way hazards to run for 3-4 minutes. Turn the ignition on. Turn the 4 way hazards off. Turn the ignition off.

12. Reinstall the seat. Check operation of all lighting before riding in run, brake, turn and brake/turn modes.

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