



Custom Dynamics® Softail Rear Lighting Adapter Kit Installation Instructions

We thank you for purchasing the Custom Dynamics® Softail Rear Lighting Adapter Kit. 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-18ST-ADPT

Package Contents:

- Softail Rear Lighting Adapter Kit (1)
- 18-22 AWG Solder Seal Heat Shrink Connectors (9)
- Instructions (1)

Fits: 2018-2024 Harley-Davidson® Softail Street Bob (FXBB/FXBBS), Heritage Classic (FLHC/FLHCS), Fat Boy (FLFB/FLFBS), Fat Bob (FXFB/FXFBS), 2020-2024 Softail Standard (FXST) & Low Rider S (FXLRS), 2022-2024 Low Rider ST (FXLRST) & 2022 Low Rider El Diablo (FXRST), 2018-2020 Low Rider (FXLR), Deluxe (FLDE) & Breakout (FXSB/FXSR), 2023-2024 Breakout 117 (FXBR), 2018-2021 Sport Glide (FLSB) & Slim (FLSL) and 2019-2020 FXDR.



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 the motorcycle.

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 the motorcycle is on level surface, secure and cool.

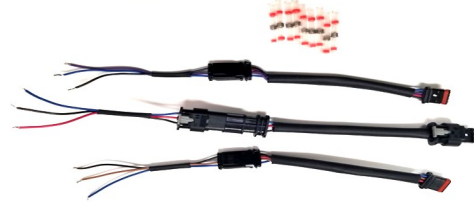
Important: Check local and state laws before removing OEM turn signals. If your state requires turn signals, add DOT compliant units to your motorcycle.

Note: If you're experiencing a Rapid Flash on your Turn Signal dash indicator, you may need to sync the BCM (Body Control Module) and clear the trouble codes. Please click on the link below and follow the steps to clear the trouble codes and perform the BCM sync.

To sync the BCM, perform the following steps:

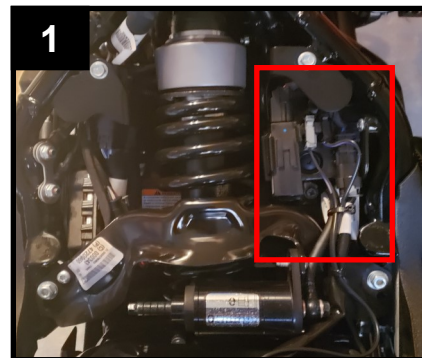
1. Turn Ignition on, but do not start the bike.
2. Turn on 4 way hazards by pressing the hazard button on the controls. Count 10 flashes and deactivate.
3. Turn on 4 way hazards for another 10 flashes and deactivate.
4. Clear Diagnostic Trouble Codes (DTC's)
5. Turn Ignition OFF then back ON. Turn on 4 way hazards.

After performing the steps above, turn the ignition switch to the ON position and test for proper turn signal operation. The dash turn signal indicators should no longer be Rapid Flashing.



Installation:

1. Remove all necessary parts to disconnect the negative battery cable from the battery.
2. Locate the 3 rear lighting harness connectors. Shown in **Figure 1**.



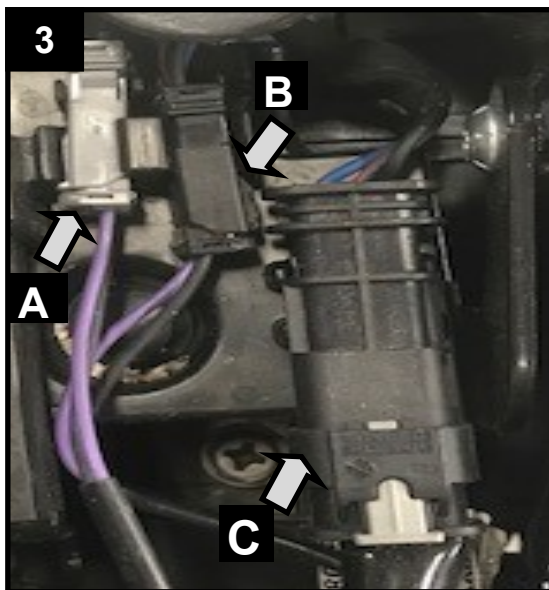
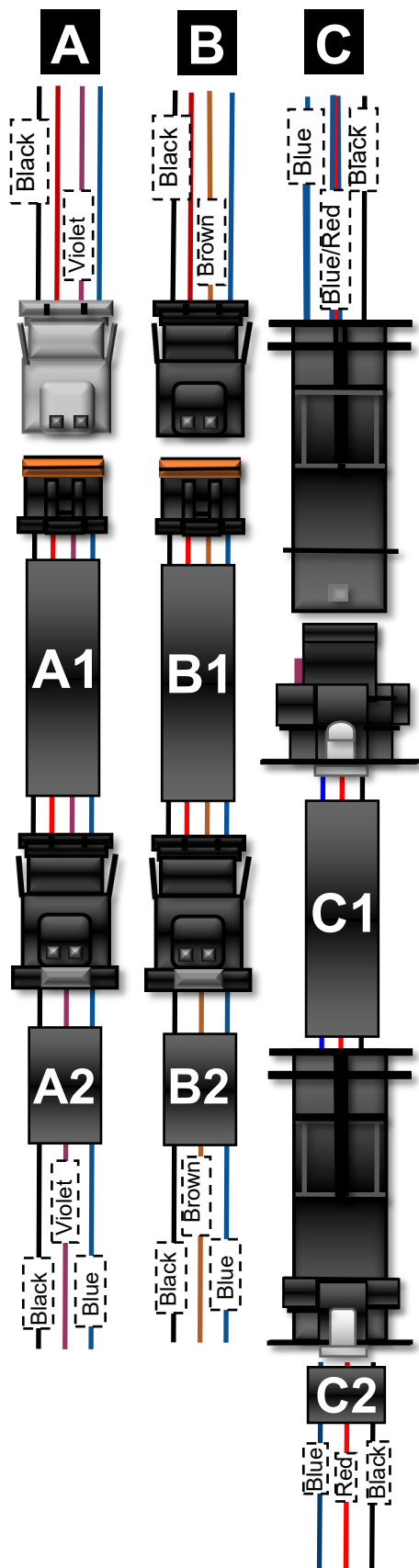
3. Disconnect the OEM rear lighting harness from motorcycle.
4. Connect the Softail Rear Lighting Adapter Kit shown in **Figures 2 and 3 on Page 2**.
5. Connect the aftermarket rear lighting to the Custom Dynamics® Softail Rear Lighting Adapter Kit using the supplied Solder Seal Heat Shrink Connectors. Refer to the wiring diagrams on **Pages 2 and 3** for connections. **Note: Scan the QR Code below for specific instructions on how to use Solder Seal Heat Shrink Connectors.**
6. Reconnect the negative battery cable to the battery and reinstall all necessary parts.
7. Test the rear lighting for proper operation.



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

Page 2 Wiring Diagrams

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1. Refer to **Figure 3** to identify the three rear lighting connectors on the bike.

A- Gray Left Turn Signal Connector

B- Black Right Turn Signal Connector

C- Center Taillight Connector

2. Refer to **Figure 2** and connect the three harnesses included in the CD-18ST-ADPT kit into the bike three rear lighting connectors. The left and right turn signals are designated by wire color.

A → A1 → A2 Left Turn Signal Connector (Violet wire).

B → B1 → B2 Right Turn Signal Connector (Brown wire)

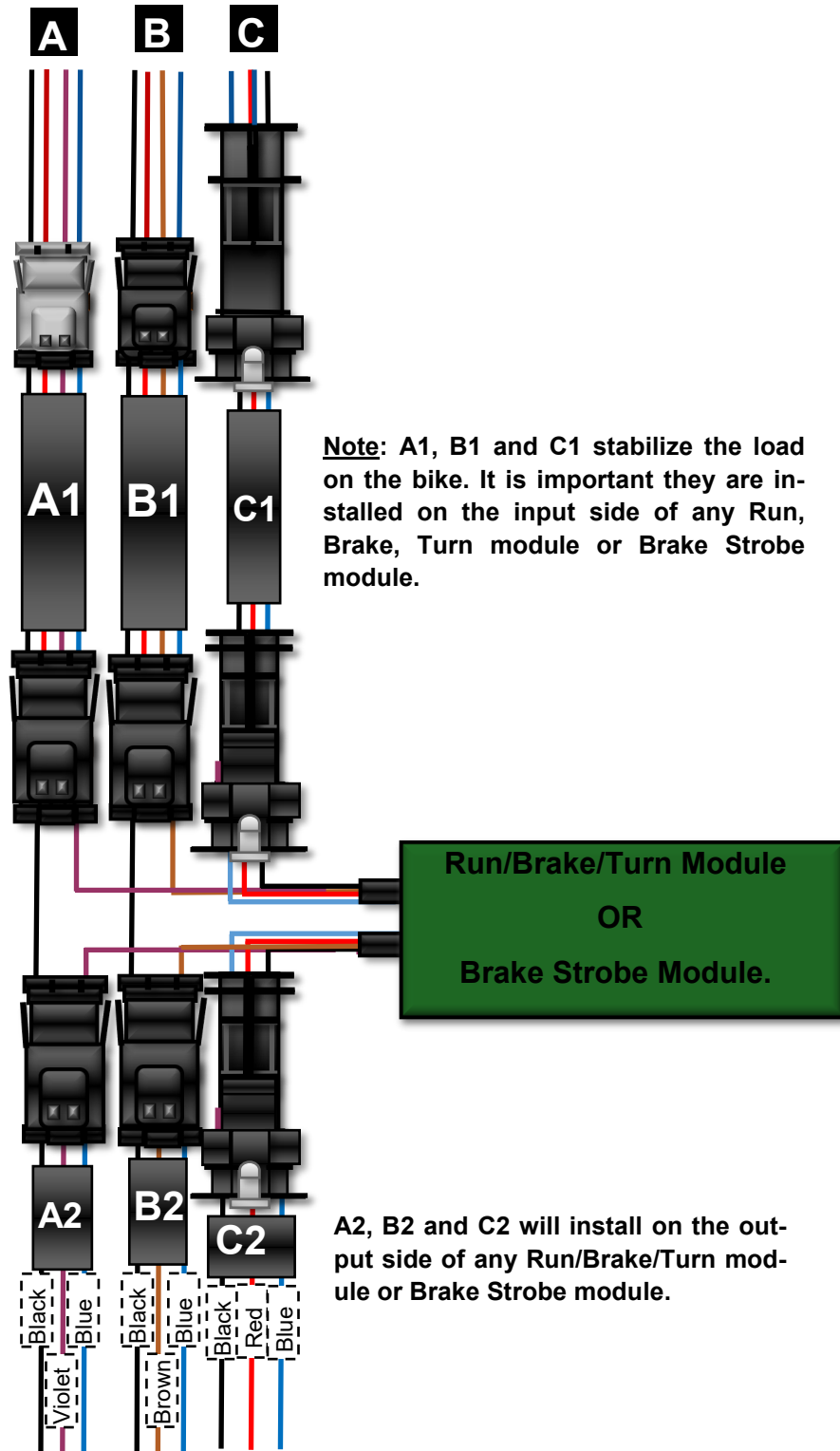
C →

C2 C1 →
Center

2018- Current Heritage Classic, Low Rider S, Low Rider ST, Low Rider EI, Diablo, Low Rider, Deluxe, FXDR.	2018- Current Softail® Street Bob, Fat Bob, Breakout, Slim, Fat Boy, Sport Glide
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	<u>Wire color and Function</u>
A2 (Left Turn Signal Connector) Black-Ground Violet-Left Turn Blue-Running	A2 (Left Turn Signal Connector) Black-Ground Violet-Left Turn or Brake/Left Turn Blue-Running
B2 (Right Turn Signal Connector) Black-Ground Brown-Right Turn Blue-Running	B2 (Right Turn Signal Connector) Black-Ground Brown-Right Turn or Brake/Right Turn Blue-Running
C2 (Center Taillight Connector) Black-Ground Red-Brake	C2 (Center Taillight Connector) Black-Ground Red-Brake

Input from the Motorcycle.



Note: A1, B1 and C1 stabilize the load on the bike. It is important they are installed on the input side of any Run, Brake, Turn module or Brake Strobe module.

A2, B2 and C2 will install on the output side of any Run/Brake/Turn module or Brake Strobe module.