Custom Dynamics® Rear Fender Strut LED Turn Signals Installation Instructions

Part Numbers

CD-STRUT-18-B, CD-STRUT-18-C

Package Contents

Custom Dynamics® Rear Fender Strut LED Turn Signals (2)
Machined Washers (2)
Machined Spacer Plates (2)
5/16"-18 x 5/8" Socket Head Bolts (2)
5/16"-18 Serrated nuts (2)
JAE Male connectors (2)
6" Cable Ties (6)
Instructions (1)



Fitment

2018-2026 Harley-Davidson® Softail Street Bob (FXBB/FXBBS), 2026 Super Glide (FXD),2020-2024 Softail Standard (FXST), 2018-2020 Breakout (FXSB/FXSR), 2023-2026 Breakout 117 (FXBR), 2018-2021 Slim (FLSL), 2018-2026 Fatboy (FLFB), 2020-2026 Low Rider S (FXLRS), 2018-2020 Low Rider (FXLR), 2022-2026 Low Rider ST (FXLRST) and 2022 Low Rider El Diablo (FXRST).

Note

Functions as run, brake and turn signal on 2018-2026 Harley-Davidson® Softail Street Bob (FXBB/FXBBS), 2026 Super Glide (FXD), 2020-2024 Softail Standard (FXST), 2018-2020 Breakout (FXSB/FXSR), 2023-2026 Breakout 117 (FXBR), 2018-2021 Slim (FLSL) and 2018-2026 Fatboy (FLFB).
Functions as run and turn signal on 2020-2026 Harley-Davidson® Low Rider S (FXLRS), 2018-2020 Low Rider (FXLR), 2022-2026 Low Rider ST (FXLRST) and 2022 Low Rider El Diablo (FXRST).

Suggested Tools

Safety Glasses
T40 TORX Socket
T45 TORX Socket
9/16" Socket or Open End Wrench
5/16" Allen Socket or T-Handle
Phillips Screwdriver

Installation

Warning

Rider and passenger safety depend upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a qualified technician perform the installation. Improper installation of this kit could result in death or serious injury.

1. Remove all necessary parts to disconnect the negative battery cable from the battery.
2. Disconnect the rear turn signals. Shown in **Figure 1.**
3. Remove the rear fender from the motorcycle by removing the four Torx bolts from the strut supports. Then remove the fender struts and fender from the motorcycle. If unsure of this process, please refer to your HD service manual. Once the fender is off the motorcycle, remove the four inner fender support bolts and remove the struts. Shown in **Figures 2 and 3.**

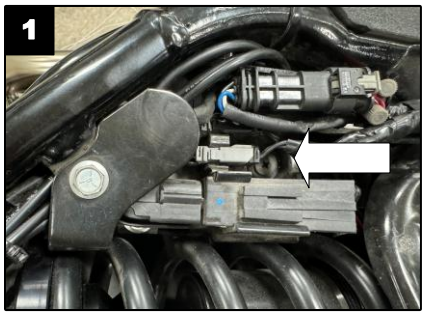
Questions? Email: Info@CustomDynamics.com or Call us at: 1(919)554-0949 M-TH 8:30AM-5:30PM, F 9:30AM-5:30PM EST

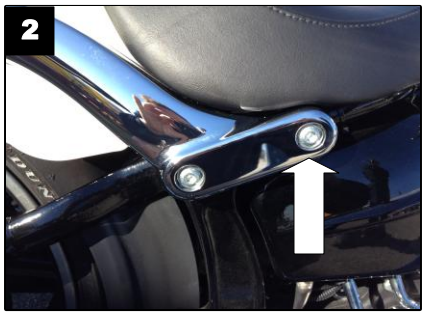
Installation Instructions Continued - 2

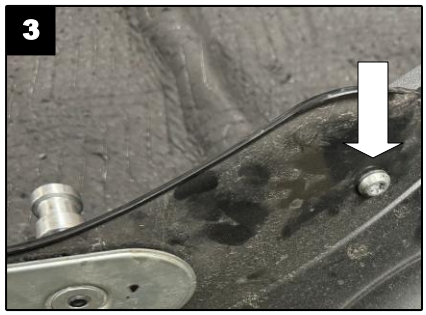
4. Remove the OEM rear turn signals from the rear fender struts.

Note

2022-2024 Low Rider ST, 2022 El Diablo and all 2025 Softail models DO NOT have OEM rear turn signals on the rear fender strut.







Notice

Hand start all bolts, **DO NOT** use impact wrench/"zip gun" when installing.

5. Install the new Custom Dynamics® Rear Fender Strut LED Turn Signals to the rear fender strut and route the wiring in the wire channels. Shown in **Figure 4.**

Note

Right Rear Fender Strut LED Turn Signal has brown wire. Left Rear Fender Strut LED Turn Signal has violet wire and is longer.

6. Secure the wires under the OEM foam pads in the fender strut wire channel.
7. Reinstall the fender strut with Rear Fender Strut LED Turn Signals to the rear fender.

Note

If installing with Harley-Davidson® HoldFast™ docking hardware do not use supplied Machined Washers shown in **Figure 5.** If using OEM bolts the supplied Machine Washers must be used shown in **Figure 6.**

Note

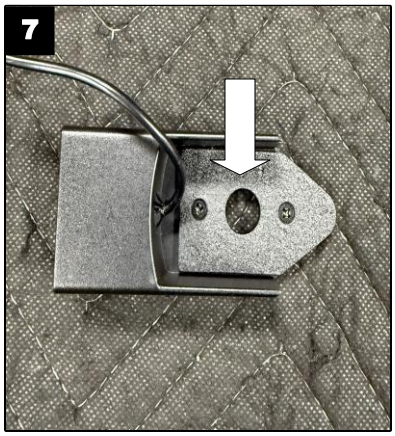
Another option for 2018-2024 models with OEM turns signals on fender strut is to remove the extension on the Rear Fender Strut LED Turn Signal and replace with the supplied Machine Spacer Plates and 5/16"-18 x 5/8" Socket Head Bolts shown in **Figures 7 & 8.**

8. Reinstall the rear fender assembly back on the motorcycle.





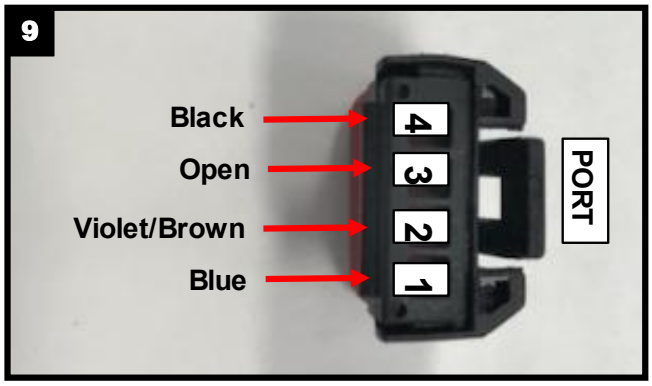






9. Install the pre-pinned wires into the supplied JAE Male Connector as follows: **Port 1 = Blue, Port 2 = Violet/Brown, Port 3 = Open, Port 4 = Black.** Shown in **Figure 9.**

Note
Click the link to the right for specific instructions on how to pin a JAE connector. **Click Here**



10. Connect the Rear Fender Strut LED Turn Signals into the motorcycles rear lighting connectors. Shown in **Figure 1.**

Note
The grey JAE connector is the left turn signal and the black JAE connector is the right turn signal.

11. Secure the wiring under seat using the supplied Cable Ties from being cut, frayed or pinched.
12. Reconnect the negative battery cable to the battery and reinstall all necessary parts.
13. Test the new Custom Dynamics® Rear Fender Strut LED Turn Signals for proper operation.