



Custom Dynamics® Turn Signal Eliminator Kit for HD™ Touring Installation Instructions

We thank you for purchasing the Custom Dynamics® Turn Signal Eliminator Kit for HD™ Touring. Our products utilize the latest technology and high quality components to ensure you the brightest, most reliable LED's on the market. 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.

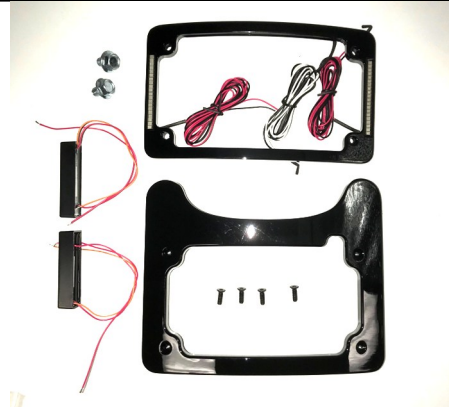
Part Number: CD-TS-ELIM-06HW-B
CD-TS-ELIM-06HW-C

Package Contents:

- Turn Signal Eliminator Back Plate (1)
- Turn Signal Eliminator Back Plate Mounting Bolts (2)
- Dual Converter TFC2 (2)
- TruFLEX® Integrated License Plate Frame (1)
- Integrated License Plate Frame Mounting Screws (4)
- Instructions (1)

Optional Items Purchased Separately:

- Smart Triple Play® (Run, Brake, Turn Controller)
- MPR-BCM (Plug and play adapter for 2014-2020 HD® Touring)
- PTA2022 Posi-Tap™ connectors for wiring

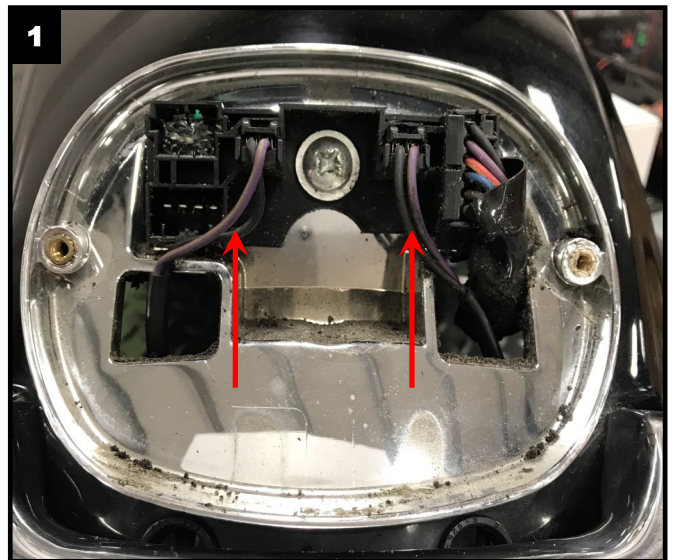


Fits: 1997-2013 Harley-Davidson® Electra Glide/Ultra (FLHT) models including CVO™ and Road Glide Ultra (FLTRU), 1997-2022 Road King® (FLHR), Road King Classic (FLHRC), 2017-2025 Road King Special (FLHRXS), 2019-2022 Electra Glide Standard (FLHT), 2014-2015 CVO™ Limited (FLHTKSE), 1999-2023 Road Glide (FLTR), Road Glide Custom (FLTRX), Road Glide Special (FLTRXS), Road Glide ST (FLTRXST), 2015 CVO™ Road Glide Ultra (FLTRUSE), 2006-2023 Street Glide (FLHX), Street Glide Special (FLHXS) and Street Glide ST (FLHXST).

Functions as Run/Brake/Turn on 2010-2023 Harley-Davidson® Street Glide (FLHX), Street Glide Special (FLHXS), 2017-2025 Road King Special (FLHRXS), 2009-2013 Road Glide Custom (FLTRX), 2015-2023 Road Glide (FLTRX) and Road Glide Special (FLTRXS). Other models will function as Run/Turn unless a SMART Triple Play® module is installed (**sold separately**).

Installation Models with Center Taillight:

1. Remove motorcycle seat and disconnect the negative battery cable from the battery.
2. Remove the two screws on either side of the taillight. Unplug the taillight connector from the taillight base and remove the taillight.
3. Once the taillight is removed, unplug the left and right rear turn signals from the taillight base. Shown in **Figure 1**.



ATTENTION



Please read all Information below before Installation

Warning: Please add an alternative DOT approved brake light/turn signals for street legal operation.

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 motorcycle.

Safety First: Make sure the motorcycle is parked on a level surface and motorcycle mechanical components are cool to the touch.

Cleaning: Take special care in cleaning the finish. Never use abrasive polishes or cleaners as these can scratch the finish.

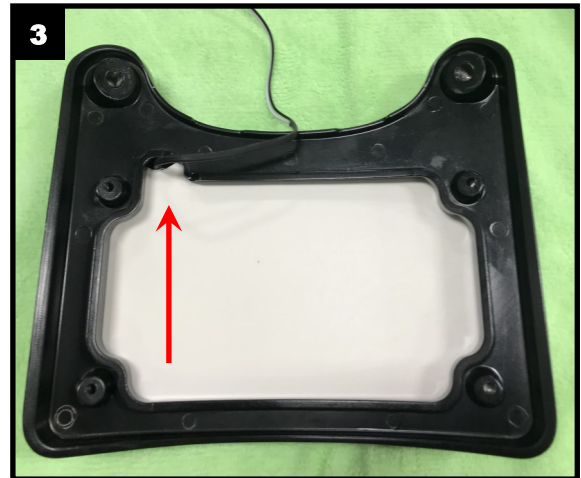
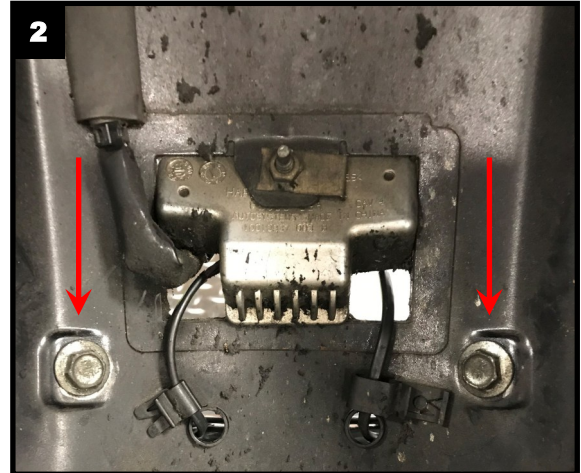
Note: Installation of Custom Dynamics® SMART Signal Stabilizer™ or CD-BCM-SS (**sold separately**) may be required to balance load from rear OEM turn signals being removed.

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

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Installation with Center Taillight Continued:

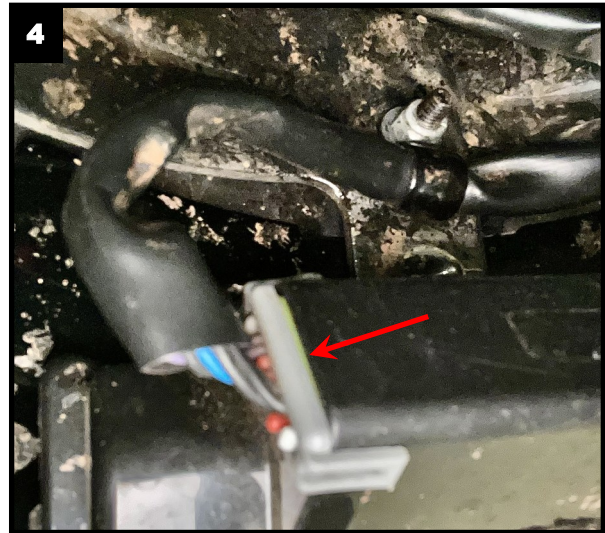
4. On the inside of the fender, remove the two OEM turn signal bar mounting bolts, put them aside as they will not be re-used. Remove the turn signal bar from the fender. Shown in **Figure 2**.
5. Mount the License Plate Frame and License Plate to the Turn Signal Eliminator Back Plate. Trim the License Plate as necessary to prevent the License Plate Frame wires from being cut, frayed or pinched. Make sure the wires for the License Plate Frame are in the top left corner when the Turn Signal Eliminator Back Plate is laying face down. Shown in **Figure 3**.
6. Mount the Turn Signal Eliminator Back Plate to the rear fender using the two supplied Turn Signal Eliminator Back Plate Mounting Bolts. Do **NOT** use the OEM mounting bolts as they are too long, and will damage the Turn Signal Eliminator Back Plate.
7. Review the Wiring Options section of the instructions and determine how you want your License Plate frame to operate and connect the wiring.
8. Reconnect the negative battery cable to the battery and reinstall the seat.
9. Secure the License Plate Frame wires from being cut, frayed, or pinched.
10. Reinstall the taillight assembly. Be careful to not over tighten screws or lens may crack.
11. Test the Custom Dynamics® Turn Signal Eliminator Kit for proper operation. **Warning: Please add an alternative DOT approved brake light/turn signals for street legal operation.**



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Installation Models without Center Taillight:

1. Remove seat and disconnect the negative battery cable from the battery.
2. Disconnect the turn signal bar connector on the throttle hand side of the tribar under the fender. Shown in **Figure 4. Note: It is important to seal the tribar output port with silicone. Failure to seal the output port on Custom Dynamics® ProBEAM® TriBar will cause the unit to fail and void the warranty.**
3. On the inside of the fender, remove the two OEM turn signal bar mounting bolts, put them aside as they will not be re-used. Remove the turn signal bar from the fender. Shown in **Figure 5.**
4. Mount the License Plate Frame and License Plate to the Turn Signal Eliminator Back Plate. Trim the License Plate as necessary to prevent the License Plate Frame wires from being cut, frayed or pinched. Make sure the wires for the License Plate Frame are in the top left corner when the Turn Signal Eliminator Back Plate is laying face down. Shown in **Figure 3 on Page 2.**
5. Mount the Turn Signal Eliminator Back Plate to the rear fender using the two supplied Turn Signal Eliminator Back Plate Mounting Bolts. Do **NOT** use the OEM mounting bolts as they are too long, and will damage the Turn Signal Eliminator Back Plate.
6. Review the Wiring Options section of the instructions and determine how you want your License Plate frame to operate and connect the wiring.
7. Reconnect the negative battery cable to the battery and reinstall the seat.
8. Secure the License Plate Frame wires from being cut, frayed, or pinched.
9. Test the Custom Dynamics® Turn Signal Eliminator Kit for proper operation. **Warning: Please add an alternative DOT approved brake light/turn signals for street legal operation.**



Wiring Options:

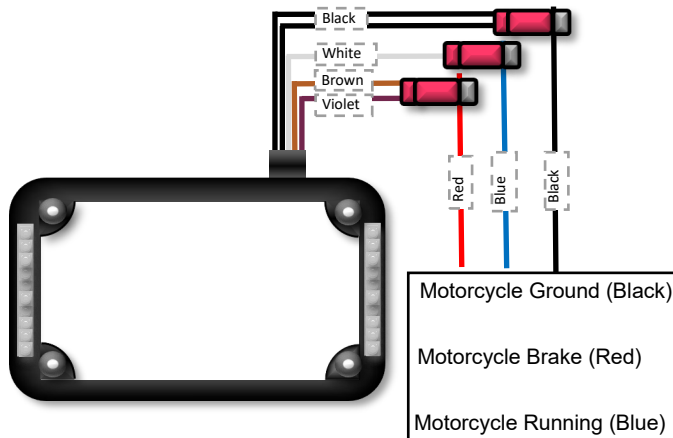
Depending on your motorcycles equipment, there are different options for the function of the Integrated TruFLEX®. The wiring diagrams on **Pages 4-6** shows the function combinations. If you have a Run/brake/turn module installed, or for 2010-2013 Street Glide®/Road Glide® Customs, shown in the **Wiring Diagrams on Page 5.** For 2014-later Street Glide®, shown on **Page 6. Note: For some of the different functions, additional items may be required.**

1. Connect all black wires to ground.
2. Connect the white wire to 12VDC running light power source.
3. With the Plate Frame oriented with the wires on the top, violet is the left and brown is the right. Connect them to 12VDC power source such as brake or turn signal wire, depending on use.
4. If Dual Converter is to be used, connect violet (left) and brown (right) wires on the TruFLEX® to the single red wire side of the Dual converter. Connect red wire on the opposite side end to brake or turn signal power source and the orange to 12VDC running light power source.
5. Test the Custom Dynamics® TruFLEX® Integrated Plate Frame for proper operation.

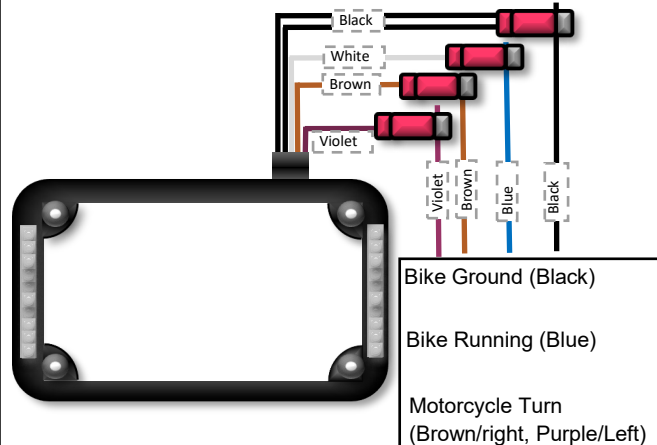
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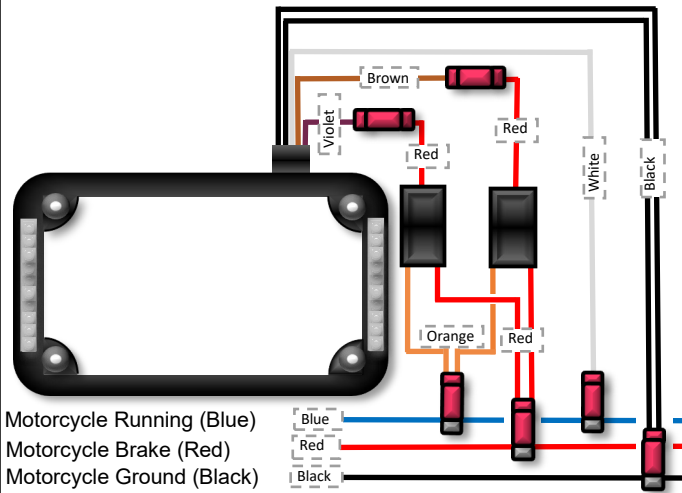
TruFLEX® Plate Frame as Brake Only



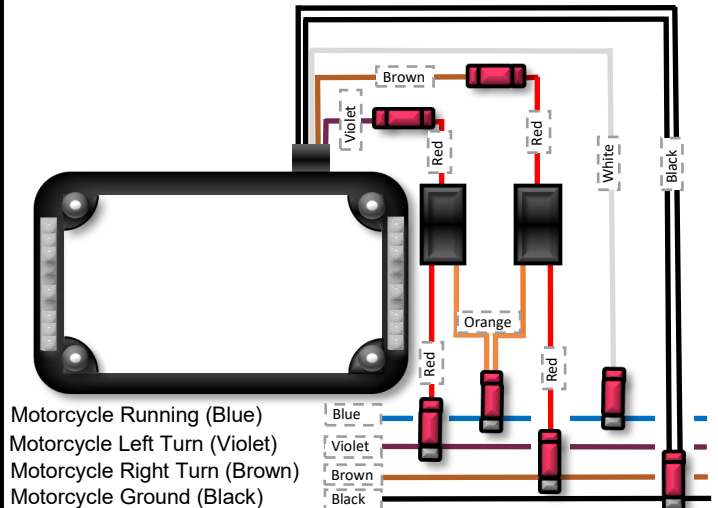
TruFLEX® Plate Frame as Turn Only



TruFLEX® Plate Frame as Run-Brake (Dual Converter Required)

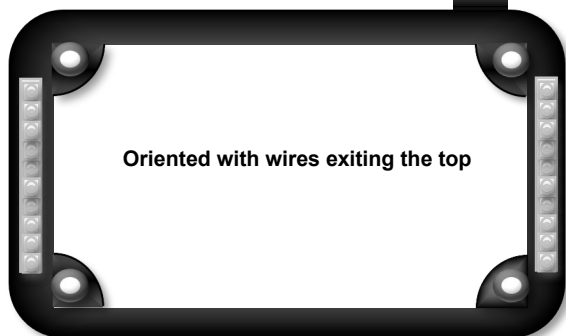
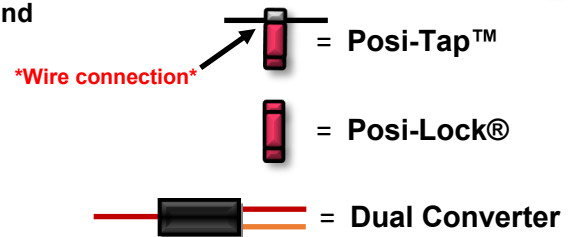


TruFLEX® Plate Frame as Run/Turn (Dual Converter Required)



Wiring Diagram Legend

- x2 Black - Ground
- White - Tag Light LED +
- Brown - Right LED +
- Violet - Left LED +



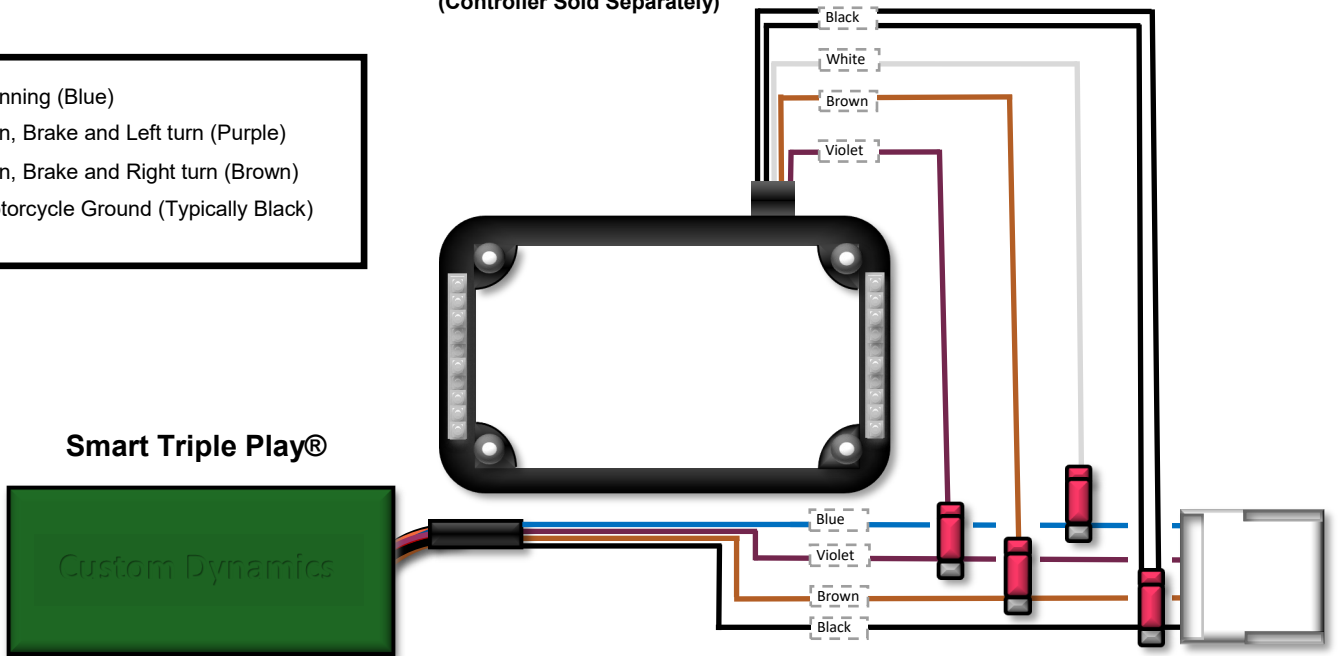
Note: Wire colors referenced in diagrams are based on the wiring harness colors for Harley-Davidson® Motorcycles. Please refer to your manufacturer service manual for wiring color codes for different makes. Always confirm your motorcycles wiring with a test light to make sure you are tapping into the correct wires.

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TruFLEX® Plate Frame as Run/Brake/Turn on Motorcycle with After Market Run-Brake-Turn Controller

(Controller Sold Separately)

Running (Blue)
Run, Brake and Left turn (Purple)
Run, Brake and Right turn (Brown)
Motorcycle Ground (Typically Black)



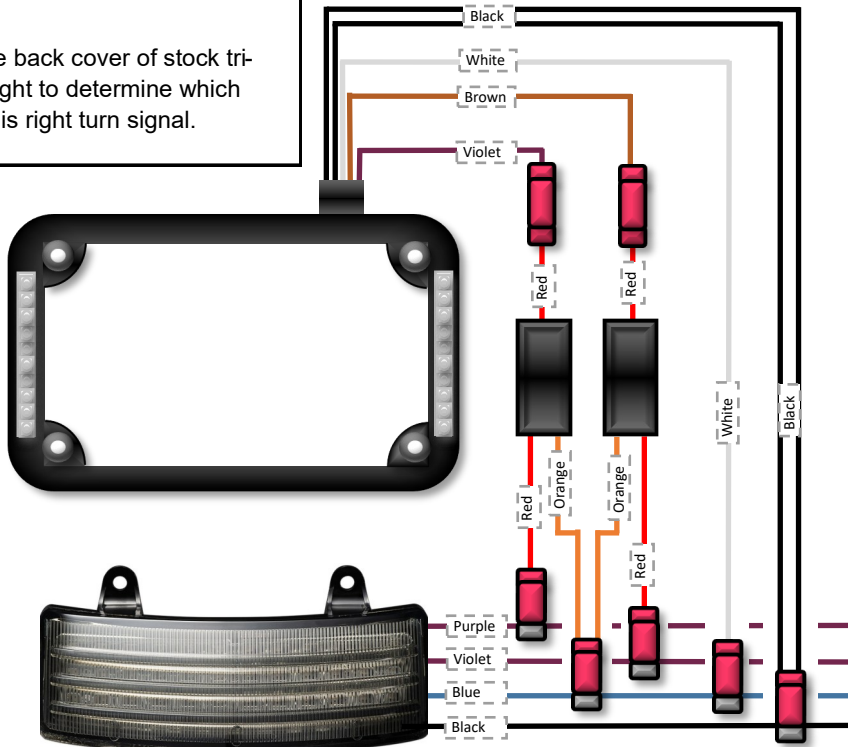
Input Side → Output Side (Towards Rear Fender)

TruFLEX® Plate Frame as Run/Brake/Turn on 2010-2013 Street Glide® & Road Glide® Custom

Output Side (right side of fender) remove back cover of stock tri-bar fender tip light for access. Use test light to determine which violet is left turn signal and which brown is right turn signal.

Note: For brake/turn only function, omit dual converters and connect directly to turn and ground wires.

Motorcycle Running (Blue)
Motorcycle Left Turn/Brake (Violet)
Motorcycle Right Turn/Brake (Violet)
Motorcycle Ground (Black)



Input Side-Left

Output Side-Right

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TruFLEX® Plate Frame as Run/Brake/Turn on 2014-2024 H-D™ Touring Models

MPR-BCM Diagram (Sold Separately) Wire Harness Color/Functions

