



Custom Dynamics® Windshield Trim LED Turn Signals Installation Instructions

We thank you for purchasing the Custom Dynamics® Windshield Trim LED turn signals. 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 Number: CD-WT-05-B, CD-WT-05-C

Package Contents:

- Windshield Trim Assembly (1)
- 1/4-20 x 7/8 Allen head Bolts (3)
- Washer (3)
- Pass Through ST-HARNESS with Posi-Locks™ (1)
- 4" Black Wire Tie (8)

Fits: 1996-2005 Electra Glide® Standard/Classic/ Ultra (FLHT, FLHTC, FLHTCU) and CVO™ Electra Glide® (FLHTCSE)



Please read all Information below before Installation

Safety First: Make sure the bike is parked on a level surface and bike's mechanical components are cool to the touch. To prevent electrical shock, disconnect the negative battery terminal from the battery before beginning installation.

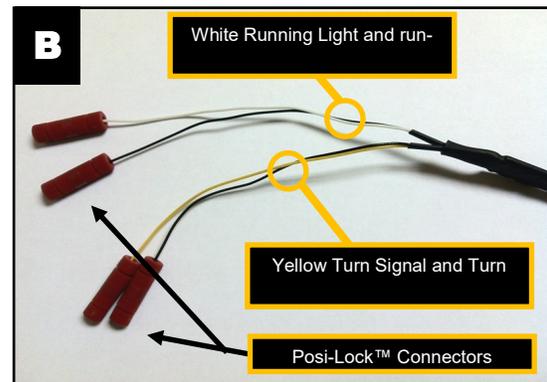
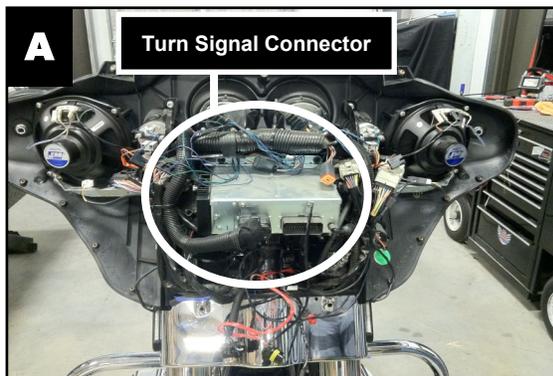
Note: You will have to remove the front fairing in order to complete this installation. Please refer to your manufacturer service manual if unsure of this procedure.

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

Cleaning: Never use abrasive polishes or cleaners as these can scratch the finish.

Installation:

1. Following the procedure in your manufacturer service manual, remove the 4 inner fairing bolts, then remove the front fairing and windshield. Pay attention to the headlamp plugs at the bottom, they are attached to the fairing.
2. Look for the harness connector on the inner fairing that go to each front turn signals. The connector is located in the area circled in figure A. You May need to refer to the service manual for location or trace the wires backwards from the turn signals to locate this connector.
3. Once the harness connectors are located on the bike, unplug each side and install the provided pass through harness in line, making sure to plug one side into the fairing harness and the other side into the wire going to the stock turn signals.
4. Prepare the red Posi-Lock™ connectors on each wire end by un-screwing the empty end of the connector about half way.
5. Notice the wire pairs on each pass through harness, there is a white wire paired with a black wire and a yellow wire is paired with a black wire. The black wires are the power wires corresponding grounds, they cannot be switched. See figure B.



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Installation-(Continued)

6. Examine the wires coming from the windshield trim, notice the groups of wires on each side. Each color LED has its own ground wire. It is important to make sure the correct black wire is being used for the connection. See the diagram on page 3 for more information. The wire color code is as follows:

Left Side Windshield Trim Wire Pair Colors

- White = Left side White LED Running Light
- Black = Left side Running Ground wire

- Purple = Left side Amber LED Turn Signal
- Black = Left side Turn Signal Ground wire

Right Side Windshield Trim Wire Pair Colors

- White = Right side White LED Running Light
- Black = Right side Running Ground wire

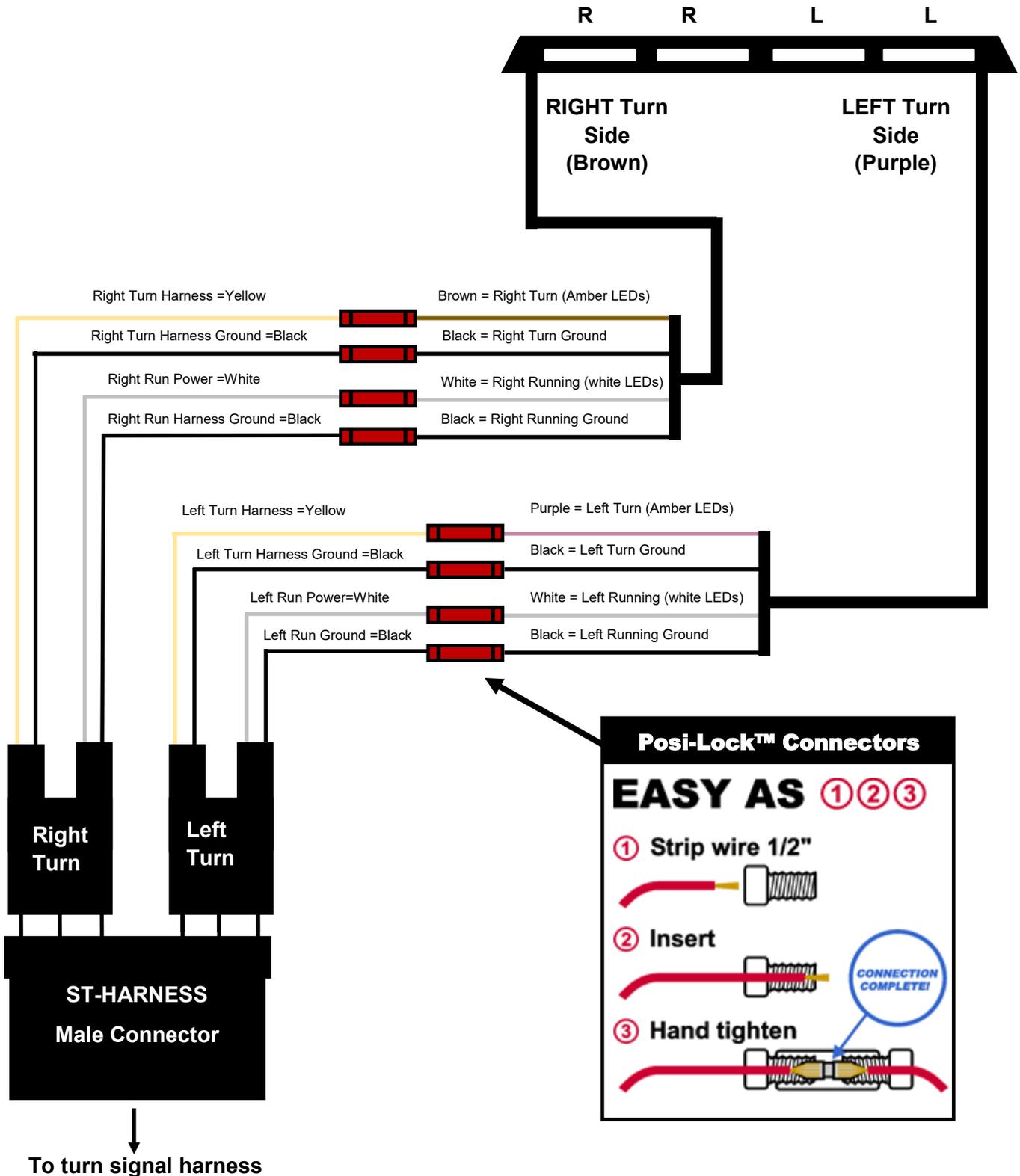
- Brown = Right side Amber LED Turn Signal
- Black = Right side Turn Signal Ground wire

7. Having an extra set of hands is helpful for the next steps. The outer fairing will have to rest near the Inner fairing in order to make the wire connections. One person should hold the fairing and trim in place, while the other performs the connections.
8. Test fit the windshield trim into place, make sure the rubber gasket is aligned with the holes in the fairing and the trim. The person holding the fairing should now be holding the windshield trim as well.
9. Route the wire harnesses wires under the rubber gasket and around the sides edges of the fairing. Bring wires to the appropriate pass through harness. Take note that the Right side wires should contain a brown wire, and the Left side wires should contain a purple wire.
10. Using the wiring diagram on page 3, connect the wires from the windshield trim to the Posi-Lock™ connectors on each converter harness. Make sure that the ground wires stay with their corresponding power wires.
11. Once all connections have been made, double check the Posi-Lock™ connectors, give the wires a little pull to make sure wires are secured. Also check the wire colors and connections to make sure the correct wiring has been performed.
12. Dress wires from the harnesses, secure with wire ties or other means if necessary. Make sure they will not get pinched when the fairing is secured.
13. Set the outer fairing back in place on the bike, but do not secure yet. Be sure to plug the headlight connector in as well.
14. Make sure battery is connected, then turn the ignition key on and test the function of the windshield trim. The Right and Left sections are split 50/50. When in Running mode, the White LEDs should be illuminated. Test each turn signal, when the turn signal is on, the appropriate side's white LEDs will turn off and the amber for that side should flash.
15. Secure the fairing to the bike, make sure to pay attention to the wire connections running in between the inner and outer fairing, push any wire slack inside the fairing. Use the provided hardware for the 3 top fairing holes that secure the windshield trim. Be sure not to overtighten, they should be snug but the gasket for the trim should not be compressed to the point of distortion or bulging.

Wiring Diagram 

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LED Windshield Trim Wiring (Looking at the Fairing)



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