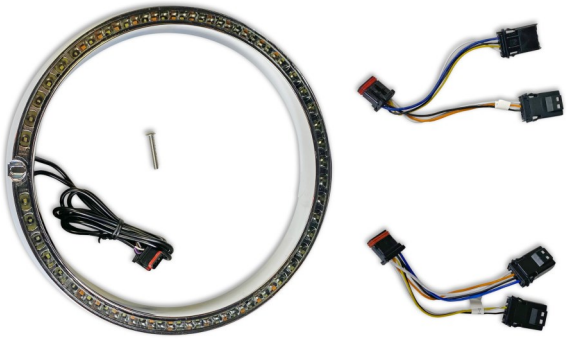
Custom Dynamics® ProBEAM®
Headlight Trim Ring
Installation Instructions

We thank you for purchasing the Custom Dynamics® ProBEAM® Headlight Trim Ring! Our LEDs offer maintenance free service and higher visibility. Our ProBEAM® product line utilizes the latest technology and automotive grade components to ensure the highest level of reliable service. Custom Dynamics® offers one of the best warranty programs and customer support in the industry. If you have any questions during the installation of this product please call us at 1(800) 382-1388.

Part Number: PB-7TR-AW-1B PB-7TR-AW-1C
PB-7TR-SEQ-1B PB-7TR-SEQ-1C



Package Contents:

- ProBEAM® LED Halo Headlight Trim Ring (1)
- Adapter Harness (2)
- 8-32 x 1” Mounting Screw (1)

Fitment: 2014-2024 Harley-Davidson® Ultra Limited (FLHTK) and Tri Glide (FLHTCUTG), 2014-2023 Street Glide (FLHX), Street Glide Special (FLHXS), 2022-2023 Street Glide ST (FLHXST), 2015-2022 CVO™ Street Glide (FLHXSE), 2019-2022 Electra Glide Standard (FLHT), 2014-2019 Electra Glide Ultra Classic (FLHTCU), 2015-2016 Ultra Classic Lo (FLHTCUL), 2015-2018 Ultra Limited Lo (FLHTKL), 2014-2021 CVO™ Limited (FLHTKSE), and 2020-2022 CVO™ Tri Glide (FLHTCUTGSE).

⚠ ATTENTION ⚠

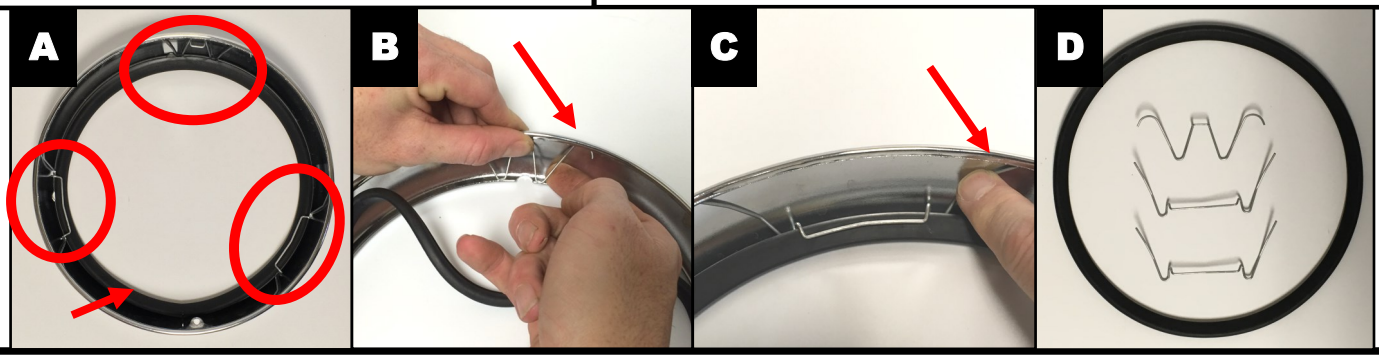
Please read all Information below before Installation

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.

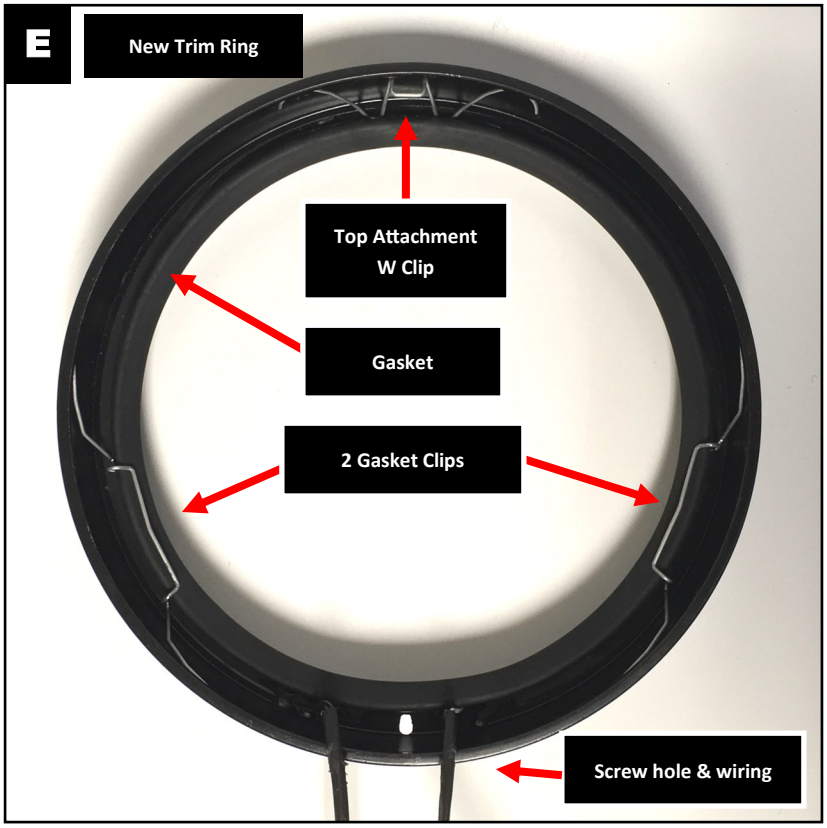
Important: This product is designed and intended for use as auxiliary lighting only. It is NOT intended to replace any original equipment lighting installed on the vehicle and should not be used for that purpose. This product must be wired so that it does not interfere with any original equipment lighting.

1. Carefully remove all components from the packaging. Take care removing the harness as to not damage the wiring or pull any wires out of the connectors. Unravel the wire bundles on the trim ring. Keep in a safe place until ready to install.
2. Consult owners manual for replacing headlamp before beginning. Remove the stock headlamp trim ring from the mounting Assembly.
3. Turn over stock trim ring and identify the top “W” attachment clip, the 2 gasket clips and the rubber gasket on the inside. See figure A Below.
4. Remove the rubber gasket from the area around the top attachment clip, see figure B. Place a finger at the top side W arm as shown in photos B & C. Pull downward and outward on the arm and the clip will come free. Repeat for all 3 clips.
5. Once the clips are removed, remove the rubber gasket and save pictured items in photo D for re-installation on the new Ring.



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

Pre-Installation: Trim Ring Preparation (continued)

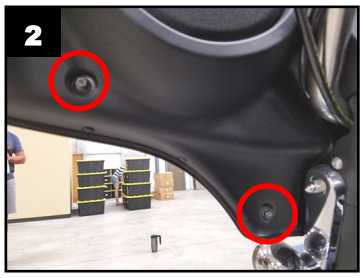


6. Set new trim ring on soft, clean surface to avoid harming the finish, face up with the screw hole pointing down to the bottom. Install the gasket around the raised metal edge of the ring.
7. Using photo E as a reference, first install the 2 gasket clips in the locations shown in the same manner they were removed.
8. With the 2 gasket clips holding the gasket in place, Install the top attachment W clip, making sure that its position is exactly centered above the bottom screw hole as shown in photo E. The Trim ring is now ready for installation.

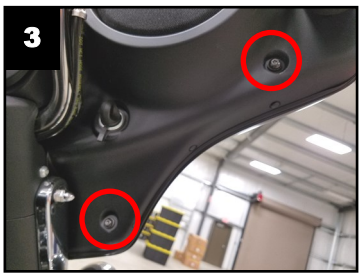
Installation: Trim Ring

Begin Installation by removing the 3 top T27 Torx Bolts from the outer fairing.
Remove the windshield and store in a safe place for reinstallation later.

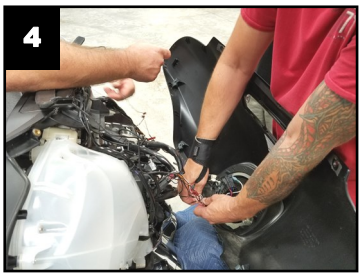
Remove the 2 T27 Torx bolts from the left bottom side of the inner fairing as shown. Save for reinstallation later.



Remove the 2 T27 Torx bolts from the Right bottom side of the inner fairing as shown. Save for reinstallation later.

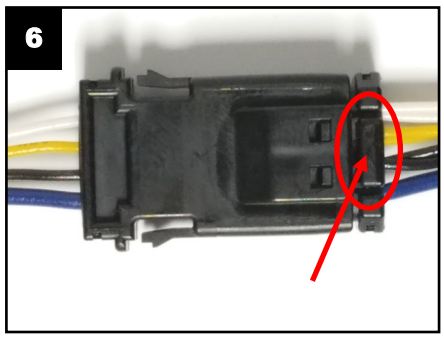


Pull the fairing away from the bike, then disconnect the H4
connector from the headlamp. Lay on a protected flat surface for installation of the trim ring.



Installation Instructions - Page 3

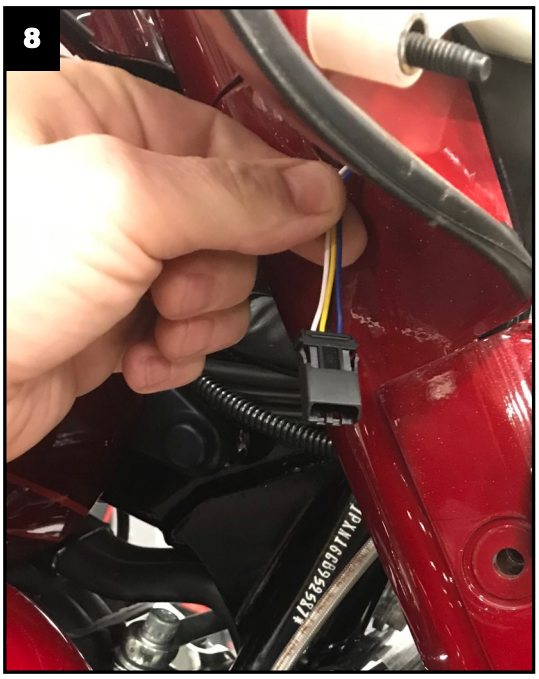
Remove the 1/2” nuts that secure the turn signal housing to the fork. Store in a safe place for reinstallation. Pull assembly away from the fork to reveal the black wiring connector.



Unplug the connector by pushing in on the tab located on the male side of the connection (highlighted in the photo). Push the tab and pull apart both sides at the same time. Remove the turn signal assembly from the bike completely and store in a safe place for reinstallation.

Connect the male plug of the Adapter Harnesses to the exposed female turn signal connector coming from the bike as shown.

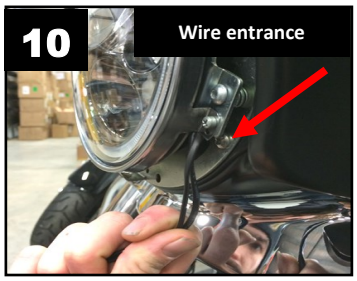
Repeat steps 5, 6 and 7 on the Left side turn signal.



Push the Female connecter with the Blue wire of the Adapter Harness through the hole in the fork as shown. Plug the male connector from the turn signal into the Adapter Harness female plug with the Blue wire. Reinstall the turn signal onto the fork frame and secure with the original nuts. Repeat for the other side.

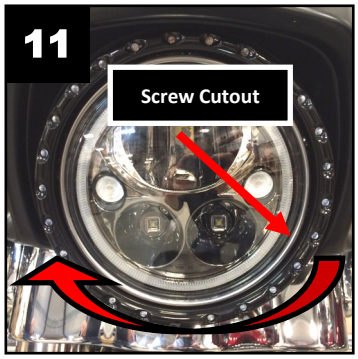
Repeat steps 5, 6, 7 and 8 on the Left side turn signal.

Installation Instructions - Page 4



Go to the fairing and take both trim ring connectors and feed them through the small opening between the headlamp and the frame as shown.

Grab the connectors from the inside of the fairing and pull until there is no slack left on the outside. The wiring is now ready to connect to the provided connect-or Harnesses.

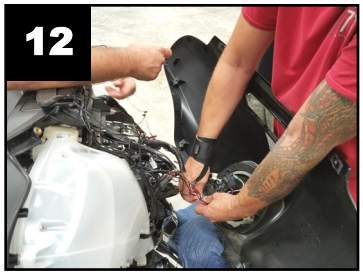


Mount the trim ring to the headlight assembly. Align the screw cutout to the right as shown in figure 11, then push and turn the trim ring clockwise until the screw hole is aligned with the mounting arm at the bottom. You may need a flashlight to see inside to confirm alignment.

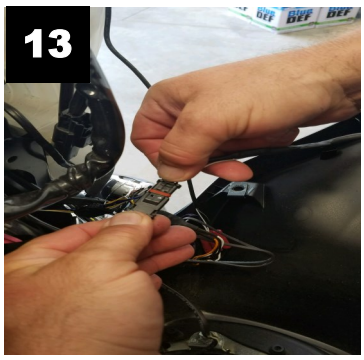
Once aligned, use the provided 8/32 X 1 screw to secure the trim ring to the fairing.

TECH TIP: If you experience issues with getting the mounting screw to thread into the screw hole, run a 8/32 thread Tap through the screw hole with the Trim Ring installed on the headlight assembly.

Installation: Wiring Connections



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 in place, while the other performs the connections.



Examine the wires coming from the Trim Ring. The plug with the PURPLE wire will go to the left turn signal Adapter Harness female connecter **without** the Blue wire. The plug with the BROWN wire will go to the right turn signal Adapter Harness female connecter **without** the Blue wire.

14. Dress wires from the harnesses, secure with tie-wraps or other means if necessary. Make sure they will not get pinched when the fairing is secured.
15. 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.
16. Make sure battery is connected, 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.
17. Turn the ignition key on and test the function of the Trim Ring. The Right and left sections are split 50/50. When in Running mode, the White LEDs around the ring should be illuminated. Test each turn signal, when the turn signal is on, the appropriate side's white LEDs will turn off.
18. Secure the Fairing to the bike.
19. Test the operation all lighting in run, turn, and brake modes before riding .