

## Custom Dynamics® ProBEAM® LED Tri-Bar Fender Tip Installation Instructions



We thank you for purchasing the Custom Dynamics® ProBEAM® LED Tri-Bar Fender Tip. 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:** PB-TRI-2-RED PB-TRI-2-SMOKE

### Package Contents:

- ProBEAM® LED Tri-Bar (1)
- Smart Triple Play® Module w/ Adapter Harness (1)
- 4" Cable Ties (10)
- Instructions (1)



**Fits:** 2010-2013 US Model Harley-Davidson® Street Glide® and Road Glide® Custom with required **6 Pin SMART Signal Stabilizer™** installed Does Not [International](#) or [Canadian](#) Models.

### Tri-Bar Installation:

1. Remove the saddlebags from the motorcycle to allow access to the underside of the fender.
2. Remove the black cover on the back side of the OEM tri-bar light and discard. Once removed, locate the clip just above the tri-bar that holds the wire harness in place. Remove the 7/16 nut then remove the clip from the harness. This allows easy removal of the wires from the OEM tri-bar. Keep clip and nut for reinstallation.
3. Disconnect the harness connectors from both sides of the OEM tri-bar.
4. Remove the 2 Torx T25 screws that hold the OEM tri-bar assembly in place. Save screws for reinstallation.
5. Remove OEM tri-bar from rear fender.
6. Install new Custom Dynamics® ProBEAM® LED Tri-Bar onto the fender, making sure everything is lined up. Reuse OEM T25 Torx screws to secure new Custom Dynamics® ProBEAM® LED Tri-Bar. **Note: Over tightening the screws during installation can crack the housing at the screw holes and void the warranty.**
7. Connect the harness connectors to the new Custom Dynamics® ProBEAM® LED Tri-Bar, noting the rectangular ports on the back side of the unit. **LEFT** side to the motorcycle, **RIGHT** side to the output of the turn signals. The connectors are keyed one way, if the connector does not snap in, flip it over and connect. **Note: Do not force the connector into port. Shown in Figure 1 on Page 2. Note: If installing with the Turn Signal Eliminator Kit seal the output port with silicone. Failure to seal the output port will cause the unit to fail and void the warranty.**
8. Reinstall the OEM clip, nut and washer to the fender to hold the motorcycles wire harness.
9. Reinstall saddlebags.
10. See Smart Triple Play® installation on **Page 3**.
11. Test the new Custom Dynamics® ProBEAM® LED Tri-Bar for proper operation.



## 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 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 motorcycle 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 motorcycle and should not be used for that purpose. This product must be wired so that it does not interfere with any original equipment lighting.

**Important: DO NOT OVER TIGHTEN!** Over tightening the screws during installation can crack the housing at the screw holes and void the warranty.

**Note:** Do not use thread locker such as Loc-Tite™ with this product it will weaken the plastic at the screw holes causing cracks and will void the warranty.

**Note:** Proper orientation of the harness connectors is important, make sure you have input coming from the motorcycle and output going to the turn signals. Check for the notch cut outs in the connectors to ensure proper alignment before connecting.

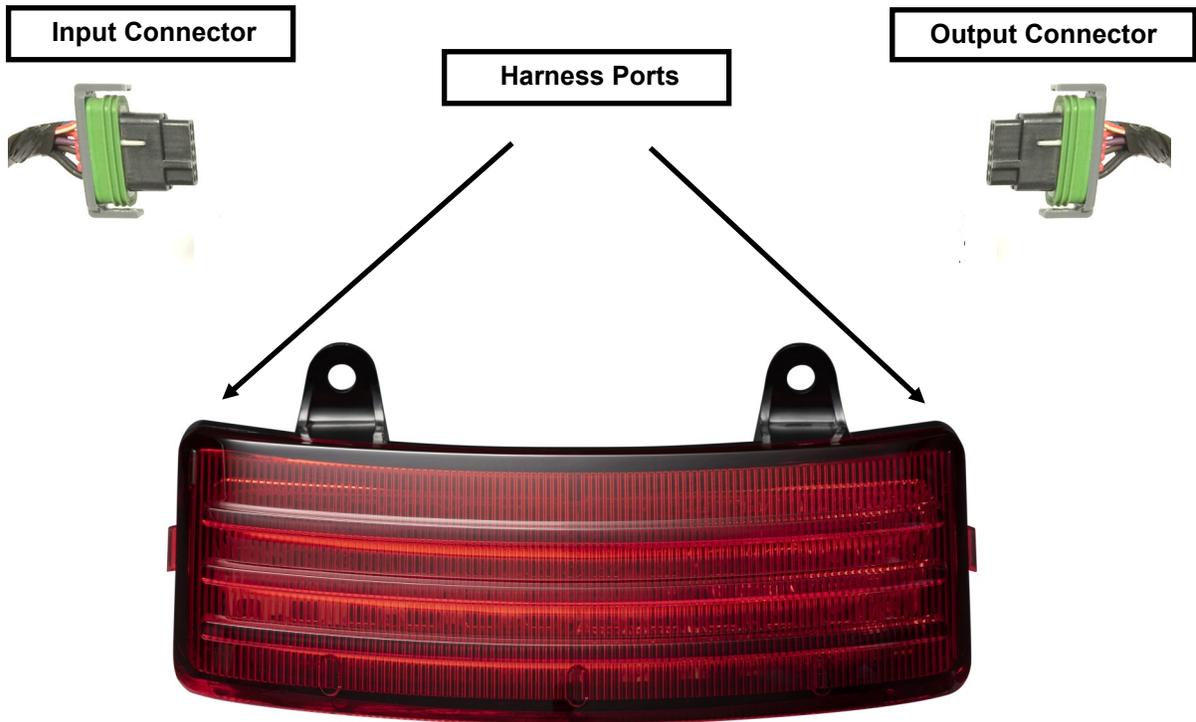
Questions? Email: [info@CustomDynamics.com](mailto:info@CustomDynamics.com) or Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST

1

## LED Tri-Bar Diagram

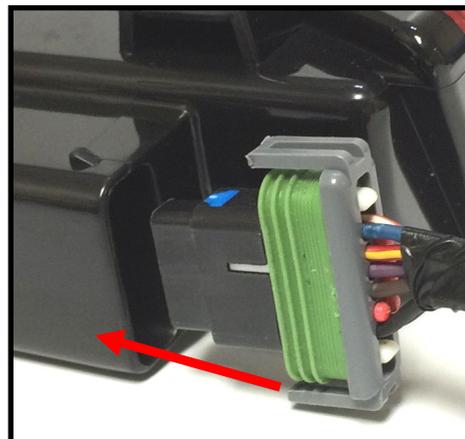
Input Harness  
(Left Side) From Motorcycle

Output Harness  
(Right Side) To Turn Signals



Connect the harness connectors into the new Custom Dynamics® ProBEAM® LED Tri-Bar, noting the rectangular ports on the back side to the unit. **Left** side should be going to the motorcycle, **Right** side is the output to the turn signals. The connectors are keyed one way, if the connector does not snap in, flip it over and connect.

**Note:** The connector should not be forced into the port. Doing so can cause bending of the internal pins which is not covered under warranty.



Harness Port—Input Connector



## Custom Dynamics® Smart triple Play® Installation Instructions - Page 3

We thank you for purchasing the Custom Dynamics® Smart Triple Play®. 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:** GEN-SMART-TPU-TRI

### **Package Contents:**

- Smart Triple Play® Module w/ Adapter Harness (1)
- Instructions (1)

**Fits:** 2010-2013 US Model Harley-Davidson® Street Glide® and Road Glide® Custom with required **6 Pin SMART Signal Stabilizer™** installed.



**Important:** For this system to be legal you must use RED rear turn signal lamps.

**Important:** Remove any existing Run-Brake-Turn or similar modules prior to installing this unit.

**Caution:** Never install a trailer adapter, trailer harness or trailer controller downstream of this unit, a trailer adapter, harness or controller must be installed on the input side of this unit.

**Caution:** This unit is designed for a maximum load of 27 watts per channel. Do not exceed 27 watts per left turn signal output, 27 watts per right turn signal output, and 27 watts per brake signal output. Overloading unit could cause damage to the unit and cause the unit to malfunction.

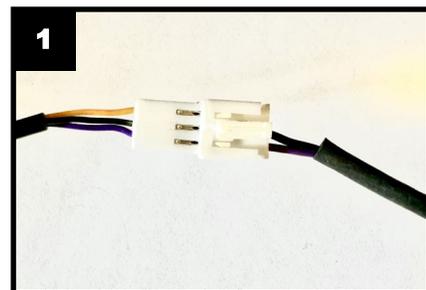
**Important:** SW-1 and SW-2 should be maneuvered by hand only. Do not use any tool such as a screwdriver that could damage waterproof covers. Use a small Phillips screwdriver to maneuver the rotary dial.

**Important:** Module must be secured after installation. Find safe area away from any moving parts and out of the way of normal operation of the motorcycle. Use cable ties, tape, or other means to secure. Custom Dynamics® is not liable for damage to the module or the motorcycle as a result of improperly securing the module.

**Note:** This product is not DOT approved.

### **Module Installation:**

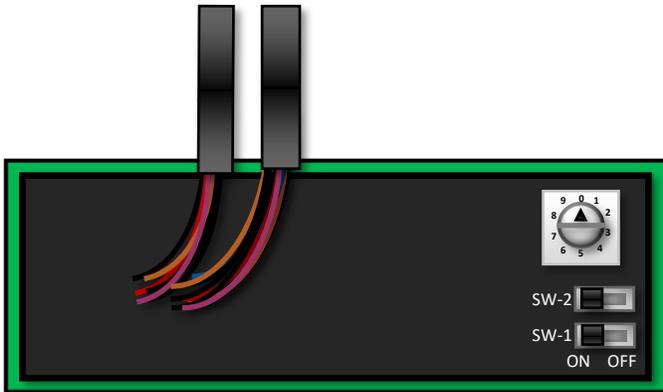
1. Remove the left side cover and unplug the rear lighting connector.
2. Plug the Smart Triple Play® Module w/ Adapter Harness, in-line, into the rear lighting harness and into the motorcycles wiring harness.
3. Locate a secure place for the Smart Triple Play® Module that will not interfere with the secure placement of the seat or side cover. Secure with cable ties, tape or other means so that unit cannot move. **Note:** Two 3 pin connectors extend from the output side of the Smart Triple Play® module allowing for plug and play installation of Fillerz® and BAGZ™. If installing with either of these Custom Dynamics® products simply plug in the left side (violet) and right side (brown) female connectors from the Smart Triple Play® to the corresponding male connectors from the product. If additional products are not being installed these connectors will not be utilized. Shown in Figure 1.



## Installation Instructions - Page 4

### Initial Setup & Operation

4. Locate the two switches and rotary dial. Be sure the rotary dial is set to position 0. **Note: There is a small arrow on the dial, this is the pointer that should now be at position 0. Be sure Switch 1 and Switch 2 are both in the ON position. (See Diagram below)**
5. Turn the ignition key on and check operation as follows:
  - Running Lights: Turn Signals and Taillight (if applicable) are now illuminated dimly.
  - Apply Right Turn Signal and check operation of right turn signal, should flash off to bright. Disable turn.
  - Apply Left Turn Signal and check operation of left turn signal, should flash off to bright. Disable turn.
  - Apply Brake Light. Check to see that all lights flash 4 times then remain bright.
  - Apply Left Turn Signal then Apply Brake, Check to see that Only Center Light Flashes 4 times then remains bright. If no center tail light is applicable, when the Left turn signal is on and the brake is applied, the right side turn signal will stop strobing. This is normal operation.



Scan QR code/Click Link to the right to be directed to a video showing how to enter Program Mode and adjust the running light intensity of your rear turn signals.



<https://youtu.be/VwvQ9FLKshQ>

### Program Turn Signal Run Intensity

6. The Smart Triple Play® allows you to program the running light brightness of the turn signals so they match the brightness of your center taillight. You can also select to have the turn signals operate as brake/turn only with no running light.

#### To enter the module's program mode:

- Turn ignition key off, be sure Switch 1 and Switch 2 are in the OFF position and the Rotary Dial in in the 0 position.
- Turn ignition key on, immediately turn Switch 2 On-Off-On. Then turn Switch 1 On-Off-On. Do not depress Brake or Turn Signals during this action.
- The turn signals should now slowly fade from dim to bright, do not proceed unless this confirmation takes place.

**Option 1** - Turn the rotary dial clockwise to increase the brightness of the running lights, 0-being the dimmest setting and 8-being the brightest. Match the running light brightness to the taillight. Once happy with the setting, press and hold the brake for a couple of seconds. The setting will now be saved.

**Option 2** - To disable the run function and receive only brake and turn signal function on the rear turn signals (output brown and violet wires), turn the rotary dial to 9. Press and hold the brake for a couple of seconds. The setting will now be saved.

7. Turn ignition key OFF and set switches for desired strobe operation.

# Installation Instructions - Page 5

## Strobe Operation Menu

### Switch Functions:

Switch 1 On, Switch 2 On: Strobes/Flashes on all three Rear Lights (Taillight, Left and Right Turn Signals)

Switch 1 On, Switch 2 Off: Strobes/Flashes on rear turn signals only

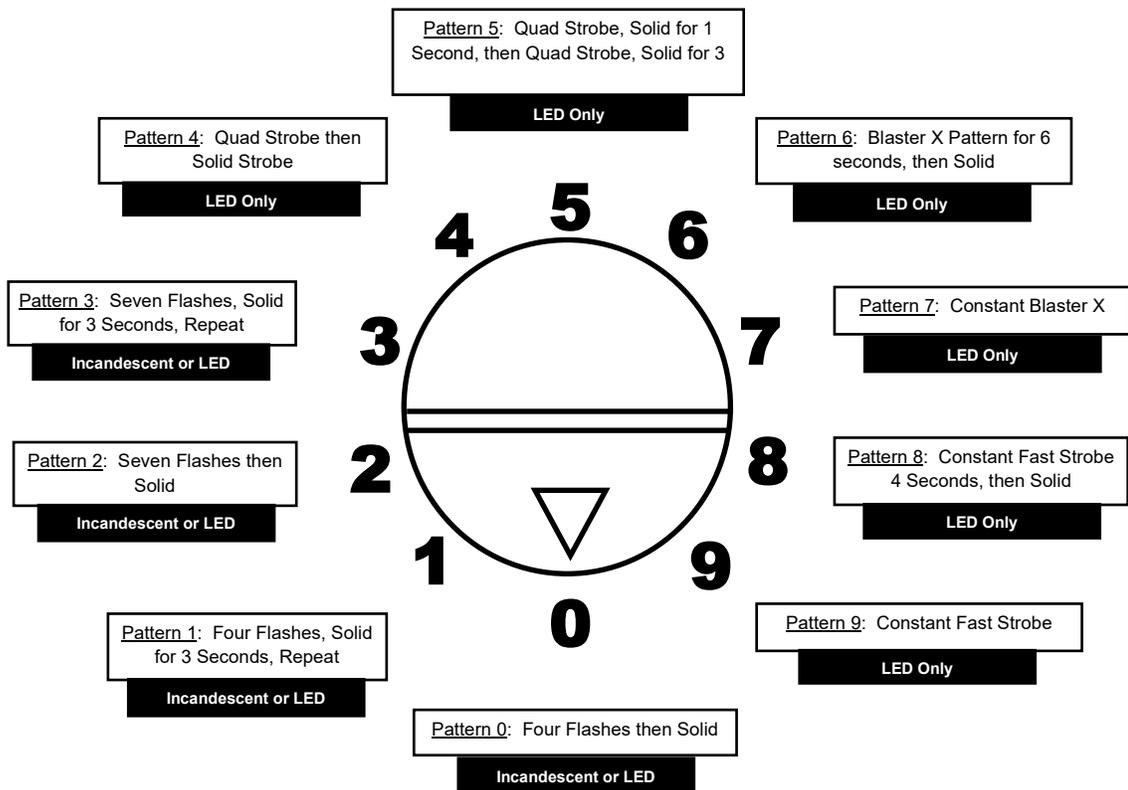
Switch 1 Off, Switch 2 On: Strobes/Flashes on center taillight only

Switch 1 Off, Switch 2 Off: No Strobes/Flashes

**Dial Strobe Functions:** Note: Patterns 0-3 are compatible with incandescent bulbs. See Diagram below.

- Turn ignition key on and test the operation based on your desired switch settings. Once programming is complete, reinstall the seat. Installation is complete.

### Flash Pattern Information:



### Module Placement

