

# PROBEAM®

BY CUSTOM DYNAMICS®

CD #: PB-KIT-XL

We thank you for purchasing the Custom Dynamics® ProBEAM® TSSM TURN SIGNAL CONVERSION KIT LED turn signals! 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.

## Package Contents:

**Choice of Front 1157 ProBEAM® Amber/White Dynamic Ringz™** with Smoke Lenses or ProBEAM® Amber LED Turn Signals with Amber lenses

**Choice of Rear 1156 or 1157 ProBEAM® LED Turn Signals with lenses** (*Models with 1156 rear turn signals typically come equipped with a center taillight. Models with 1157 rear turn signals do not typically come equipped with a center taillight.*)

Plug & Play **SMART Signal Stabilizer™** (Required)

## Fitment:

1999-2013 Harley Davidson® Sportster® Models

(Does not Fit XR1200)



## ATTENTION

Please read all Information below before Installation

### Note:

- **The SMART Signal Stabilizer™ is alarm and 4 way hazard compatible.** (When using the 4 way hazards with this product installed, the security key light on the dash will come on. This is normal when in hazard mode and will reset when turned off.)
- Use care in removing the OEM lens and bulbs from the housing, so as not to scratch or mar the chrome housing. Custom Dynamics® is not liable for damage to chrome housing during installation.
- Dielectric grease does not need to be used with this LED product, it can actually prevent them from working. Remove any excess grease from your turn signal sockets before inserting.

### \*\*\*IMPORTANT\*\*\*

This LED product is TSSM compliant. However, you must perform a turn signal synchronization as stated in the instructions after the new LED turn signals and Signal Stabilizer™ are installed.



**Installation instructions on next page..**

## Installation Instructions - Page 2

### Installation:

1. Remove the existing lens from turn signal housing.
2. Remove existing bulb from turn signal housing.
3. Remove any corrosion or dielectric grease from the socket to insure the socket contacts are clean.
4. Using a small flat blade screwdriver, go around the perimeter of the reflector and slightly push the black gasket into the housing to allow proper clearance of the new LED turn signal (Refer to Figure 1).
5. Confirm the proper orientation of the socket base and insert the base into the socket. If it seems hard to twist the base in the socket or hard to remove, it is probably orientated the wrong way.
6. Twist the LED turn signal a few rotations to coil wire from the turn signal to the socket base. Insert LED turn signal into housing and install new lens.
7. Insure the notch in the lens gasket is aligned with the notch in the lens. (Refer to Figure 2.)
8. Install the lens on the turn signal housing with the lens notch located at the bottom of the turn signal housing. (Refer to Figure 3.) **Caution: If there is a gap between the lens and the housing, water will leak into the unit and cause damage, be sure the lens is full seated.**
9. Check operation of turn signals in all modes.



**PROBEAM**<sup>®</sup>  
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## Installation

1. Make sure bike power is off.
2. Locate stock connector block for taillight/turn signals under the seat. If a Run/Brake/Turn module is installed, Signal Stabilizer MUST go before Run/Brake/Turn module.
3. Unplug main harness connector from fender harness connector.
4. Plug Signal Stabilizer™ in between these two connectors.
5. Before turning power on, make sure the load switch on the side of the stabilizer is in the “normal” position. (See next page for Diagram).
6. Turn the key on and perform a turn signal synchronization. With the key in the run position and the motor off, press the right turn signal button and allow the turn signal to flash 2 times, after the second flash press the left turn signal button and allow the turn signal to flash 2 times, after the second flash press the right turn signal and allow it to flash at least 10 times. Turn key off.
7. Turn key on and test turn signal, running lights, and brake lights for proper operation. If you experience fast flashing from the turn signals, turn the key off, move the switch on the side of the Signal Stabilizer™ to the “high” position, and repeat steps 6 & 7.
8. Test Alarm for proper operation, if equipped.

### Signal Stabilizer™ Load Switch Diagram

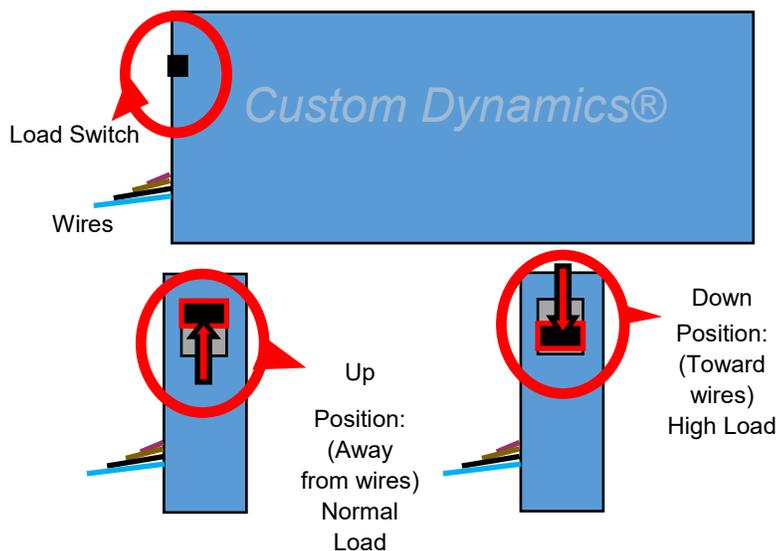


Figure 2