



Custom Dynamics® SMART Rear LEDs with Brake Strobe Installation Instructions

We thank you for purchasing the Custom Dynamics® SMART Rear LEDs with Brake Strobe. 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: CD-ST5-AR-57

Package Contents:

- Amber/Red LED Clusters with Lens (1 pair)
- Smart Turn Signal Controller (1)

Fits: 2014-2021 US Model Harley-Davidson® Street Glide® (FLHX), Street Glide® Special (FLHXS), Road Glide® (FLTRX), Road Glide® Special (FLTRXS), Road King® Special (FLHRS).

Does not fit International or Canadian models.



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.

NOTE: Turn Signals are DOT Compliant when used behind Custom Dynamics® smoked motorcycle turn signal lens

NOTE: This product is designed for dual intensity rear turn signal fitment only. They will not function properly in the front. For proper color output, use a smoked lens.

Important: Dial should be maneuvered by hand only. Do not use any tool such as a screwdriver that could damage waterproof covers.

Important: Smart Turn Signal Controller must be secured after installation. Find safe area away from any moving parts and out of the way of normal operation of the bike. Use tie-wraps or other means to secure. Custom Dynamics® is not liable for damage as a result of improperly securing or failing to secure the module.

Important: The Smart Turn Signal Controller will not work properly if the settings in your BCM (body control module) have been modified from its stock factory configuration.

Important: The Smart Turn Signal Controller will not work properly if another brake strobe module is installed on the bike.

Caution: A stuck brake switch may cause this unit to overheat and fail. Unplug module immediately if this condition occurs.

Note: Although this device has been designed to significantly increase your braking visibility, flash/strobe patterns may not be street legal in your area. This Device is not DOT approved.



Turn Signal Installation:

1. Remove the existing lens and bulb from the turn signal housing.
2. Remove any corrosion or dielectric grease from the socket contacts.
3. 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.
4. 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.

Smart Control Module Installation:

5. Locate and unplug the lighting connector to the rear fender.



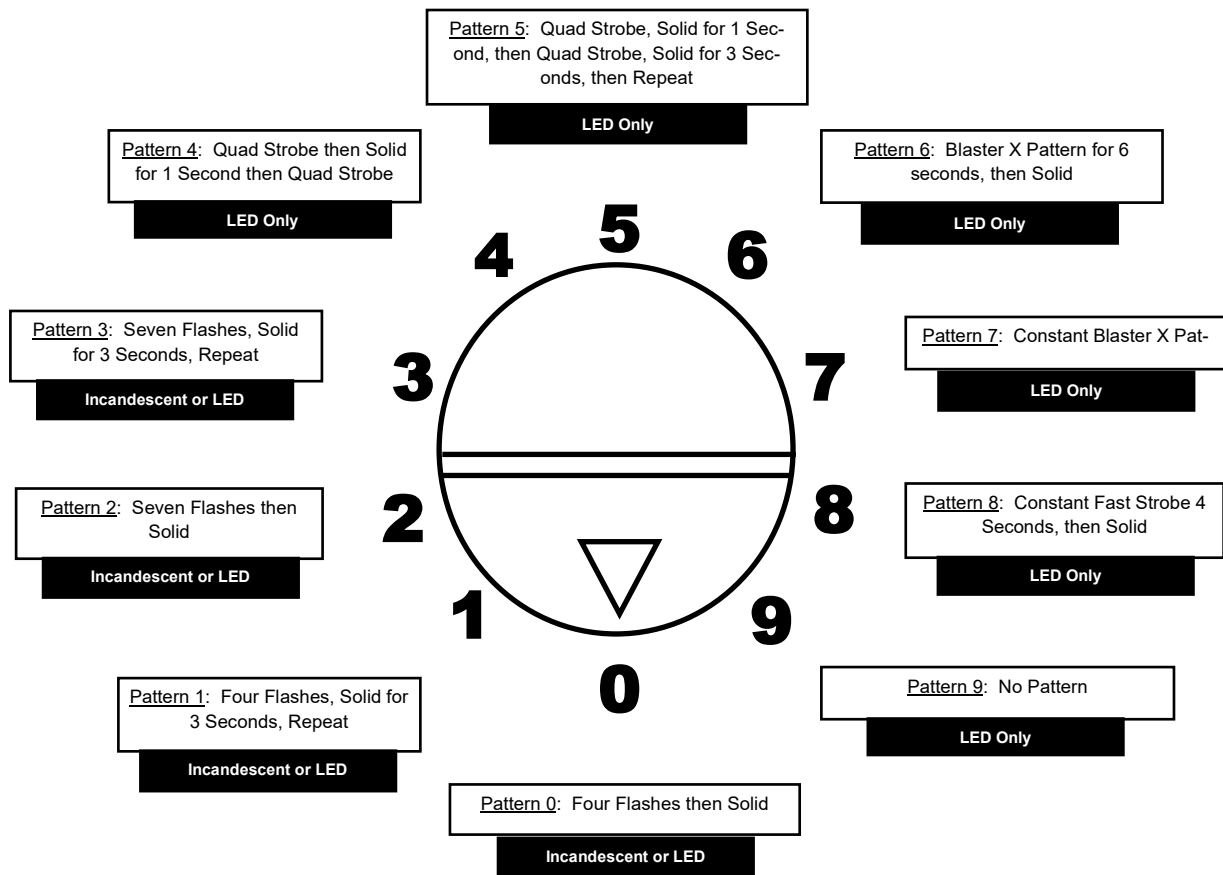
Questions? Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST

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Smart Control Module Installation:

6. Plug the Smart Turn Signal Controller, in-line, into the rear lighting harness and into the bike's wiring harness.
7. Locate a secure place for the Smart Turn Signal Controller that will not interfere with the secure placement of the seat or side cover. Use tie wraps or tape if needed.
8. Select the desired strobe setting listed below with the power off. Always turn power off before changing settings.
9. Turn power on and test for function of the turn signals, running and brake signals with desired setting. Confirm that the turn signal will override the brake signal when the brakes are applied.

Flash Pattern Information:



Important Tips and Troubleshooting:

1. Dielectric grease does not need to be used with this LED product, it can actually prevent them from working.
2. Make sure you have the base orientation correct before inserting the base. If it seems hard to twist in the socket, it's probably in the wrong way.
3. Harley Davidson® Bullet turn signals may require trimming of black gasket to fully seat lens.
4. If you experience issues with function, clean the bottom contacts, then re-insert. Also, try in the other turn signal socket.
5. This LED Product is BCM Compliant. If installing on 2011 and newer Softails®, 2012 and newer Dynas®, or any 2014 & newer model Harley Davidson®, it is recommended to run the 4 way hazards for 5 minutes to re-sync the CanBus system. No load equalizer or Smart Signal Stabilizer™ is needed for these models.

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Single Color LED Brake Strobe Adapter Harness

The use of a CD-STC-Y will allow the use of a MAGIC-STROBE-RSG and Single Color Custom Dynamics LED's to strobe when used with the Smart Turn Controller.

The CD-STC-Y Must be installed in front of the Smart Turn Controller.

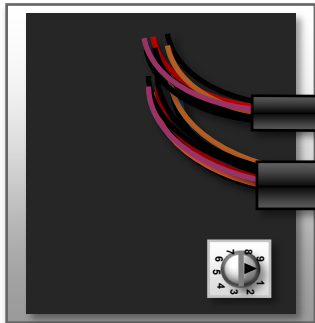
INPUT (Coming from bike, male connector closer to rear fender)

CD-STC-Y

Male Connector to Single color Red Custom Dynamics® LEDs and MAGIC-STROBES-RSG (Sold Separately) for Brake Strobe Function.

OUTPUT (Going to Rear lighting, female connector closer to gas tank)

Smart Turn Signal Controller



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Brake Strobe Modification

This modification will allow the Sequential and Dual Color Custom Dynamics LED's to strobe when used with the Smart Turn Controller.

The YELLOW brake wire in the pigtails of the MPR harness must be cut and connected to the brake output wire of the Smart Turn Controller

