

# Star Series Turn Signal Kit

## Installation Instructions for Part No. 34291



### Hardware Included:

- 1 – Pair Street LED vent covers
- 1 – LED module
- 4 – T-taps
- 4 – Space terminals
- 6 – Cable ties
- 4 – Small screws
- 4 – Small washers

### Tools Required:

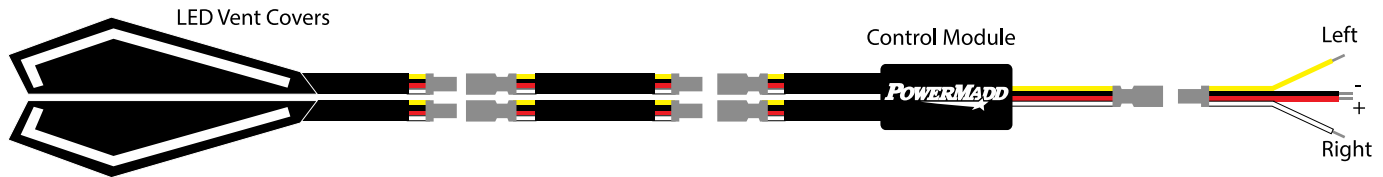
- Drill
- 7/16" drill bit
- Phillips screwdriver



We thank you for purchasing the PowerMadd Star Series LED Turn signal light kit. This kit is intended to be used with PowerMadd Star Series Handguards and model specific Handguard bracket kits for Harley Davidson motorcycles. Installation should be installed by a certified Harley Davidson technician and the use of the factory service Manual for proper installation. PowerMadd accepts no liability for damages caused by improper installation.

**Warning:** Disconnect negative battery cable from battery before any work is performed. Refer to Harley Davidson owner's manual. Failure to do so may result in electrical shock, injury, or fire. Make sure to Secure negative battery cable away from positive side of battery and all other positive voltage sources on the motorcycle.

### Wiring Diagram:



**Note:** Handguards and Bracket kits must be installed onto motorcycle before the Led light kit is installed. Please refer to the handguard specific installation instruction.

### STEP 1:

Start by removing the original vent cover from your Star series handguards by first unsnapping the bottom three tabs from the inside of each vent cover. Then pop the vent cover out from the front side of the handguard.

### STEP 2:

Drill a 7/16 hole in the inside corner of the star series handguard as shown in **Photo**.

Install the LED light vent cover assembly by carefully feeding the LED light wire through the vent hole that you previously opened up. Take care when handling the LED Vent Cover.

**Note:** it is possible for the LED light to become detached. If this happens, simply snap the LED light back into the vent cover. Snap the LED vent cover in place by inserting the top three tabs of the vent cover into the vent holes, next press on the bottom front section to snap the lower three tabs into place.



**Optional:** With the supplied #4 screw and flat washer, secure the LED light vent cover to the handguard using the two standoffs on the back of the vent cover. Do not over tighten. These screws require only a small amount of torque is required. Route LED light wires underneath the handguard mounting bracket. Do not secure at this time.



### **STEP 3:**

Mount the LED module in an area that has a clean surface, away from heat and so wires can move freely without binding or fraying on sharp objects.

Wires from the LED module can be run on the outside of the handlebars. If running wires on the inside of handlebars we recommend removing the Male JST connector from the 50" wire lead to. Leave approximately 5" of the wire lead through the bar after you pulled the wire through. Attach the male JST connectors back on the 50" wire lead (if wires are run through handlebars).

### **STEP 4: Wiring**

If using our turn signal eliminator kit. Part # (34292 or 34293) sold separately. Follow the instructions as they are listed above and unplug the universal (4 wire) plug and install the Factory turn signal eliminator kit as followed by the instruction sheet it provides. Simply plug and play.

#### **Red wire labeled "+"**

Determine the wire on your motorcycle you want to control the LED light. The best option is any running light wire. Connect a supplied T-tap onto this wire. Crimp a spade terminal to the red wire labeled "+". **See T-Tap instructions on page 3.**

#### **Ground wire labeled "-"**

Tap into an existing ground wire, crimp a supplied spade terminal to the black wire labeled "-". Once you have found the ground wire to splice into, connect a supplied 3M T-tap onto the ground wire. **See T-Tap instructions on page 3.**

#### **Right turn signal wire labeled "right"**

Tap into the white turn signal wire with a supplied 3M T-tap. **See T-Tap instructions on page 3.** Crimp a spade terminal to the wire labeled "right".

#### **Left turn signal wire labeled "left"**

Tap into the yellow turn signal wire with a supplied 3M T-tap. **See T-Tap instructions on page 3** Crimp a spade terminal to the wire labeled "left".

## Connecting wires

- Find a safe location to secure the LED control box away from heat sources and impact damage. Best location is behind the headlight. Secure the LED control box using the supplied zip ties.
- Connect the two sets of LED light wires to the two sets of wires coming out of the LED module. Reference Wiring Diagram for this section.
- Connect the red wire labeled “+” from the LED control box to the 3M T-tap on your hot wire.
- Connect the black wire labeled “-” from the LED control box to the ground source.
- Connect the wire labeled “right” to the right turn signal wire
- Connect the wire labeled “left” to the left turn signal wire
- Test your lights using the vehicle's ignition switch and turn signal switch.
- Using the supplied zip ties secure all wires.

**NOTE:** These lights are COB (Circuit on board) LED Light strips and will require the use of a load equalizer if model is Non can bus.

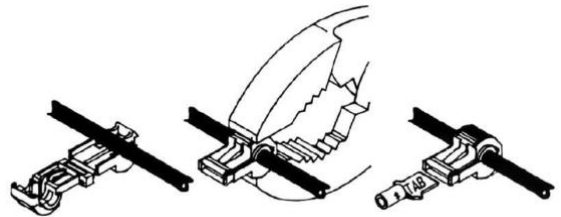
**NOTE:** Models with Can bus wiring do not require the use of a load equalizer.

**NOTE:** Module in this kit must be used in order for the lights to work properly. DO NOT install Led lights directly to the factory turn signal connectors as for it will short out the LED light and warranty will be voided.

## T-Taps Install Instructions:

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1. Place wire in open channel of the T Tap.
2. Fold T Tap connector body until element contacts wire.
3. Crimp T Tap closed with pliers. Find a safe location to secure the LED control box away from heat sources and impact damage. Secure LED control box using supplied zip ties.



For technical installation assistance contact:

Spadafora Chopper

781-324-1912

## LIMITED WARRANTY

**PowerMadd** guarantees its products against defects in material and workmanship for a period of twelve (12) months from the original date of purchase. **POWERMADD** shall not be liable for damage or injury caused by defective materials or workmanship.

**POWERMADD** may elect to repair or replace this product, but is the sole judge of any defects in their product. This warranty does not cover any labor costs to remove or reinstall this product and is effect for one year from the original purchase date.