



## Victory Hammer LED Turn Signal Array Installation Instructions

We thank you for purchasing the Custom Dynamics® Victory Hammer LED Turn Signal Array! 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®

### **Package Contents:**

- LED Turn Signal Array
- Instructions

### **Recommended Tools:**

Metric socket and/or combination wrenches, wire cutter/stripper, Loc-tite™ (medium strength)



Prior to installation it is recommended that you perform a Pre-Function check of the LED Array. To do so, remove the left side battery cover from the bike and expose the post terminals. Hold the positive red lead from the turn signal to the positive red lead of the battery and then place the negative black lead from the turn signal to the negative black lead of the battery. Do one side at a time and ensure that both sides light prior to installation.

### **Installation - Step 1**

1. Remove seat (passenger too if installed). If unsure of this process, refer to service manual for this bike.
2. Remove fender “eyelashes” (required first if passenger seat is installed).
3. Remove the fender mounting bolts.
4. Disconnect the rear turn signal and taillight harness connector located in the battery box compartment.
5. Remove the fender by gentle prying outward and upward on one side to clear the mounting points, then the other side.
6. Set aside on a flat and smooth surface to protect the fender’s finish (you may want to wrap it in a large towel).

### **Step 2**

7. Turn the rear fender assembly upside down on a stable and covered/protected surface to prevent damaging the fender/paint.
8. Remove the rear tail assembly and disconnect the wiring harness and license plate light. **THIS PART IS NO LONGER NEEDED!**

### **Step 3**

9. Place the turn signal assembly mounting arms over fender studs. Align the turn signal in place so the space between the fender and the turn signal tube is consistent. After completing this step, place a small amount of Loc-Tite™ to the bolt and slowly tighten the stock nuts snugly in place, (extreme over-tightening may damage turn signal or fender lip). You should not need to loosen the mounting arms which are attached to the turn signal bracket to obtain the ideal fit; they are pre-assembled to be aligned. Please also note that due to manufacturing tolerances in the production of the fender, the rolled inner lip of it may interfere with the turn signal assembly seating properly. If this is the case, the lip can be tapped down flush with a rubber mallet or other appropriate tool. Take the necessary precautions to maintain your fender’s finish should this step be necessary.

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

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### Step 4

10. Run the wiring of the turn signal assembly in an appropriate/desireable path to the stock wiring harness. Once the wires are run, cut off stock wire connectors and any excess wire from your turn signal. Be careful not to trim them too short or install them too tight, as this can result in your wires being pulled from the assembly while riding. This type of damage is not covered under warranty, so be sure to leave sufficient wire slack to allow for suspension travel while riding. Use the enclosed self-adhesive heat shrink tubes, to make your connections. Please note that no soldering is necessary! Simply remove approximately ½ inch of wire sheathing from each wire lead, slide the self-adhesive shrink tube over one of the wires, twist the two wires that will be connected together, and place the shrink tube in place over the joined wires. Heat gently with a heat gun or hair dryer until it shrinks in place and the adhesive joins the two wire leads together. Continue with other connections in the same manner. Allow the connections to cool before handling so the adhesive can solidify. Please note that if any wiring is exposed after the shrink wrap is in place it must be covered by a suitable material (electrical tape) to prevent it from grounding out and potentially causing damage to the turn signals and/or the bike's electrical system.

Wire as follows:

Array right rear RED (or yellow) to stock wire BLUE with RED stripe

Array right rear BLACK to stock wire BLACK

Array left rear RED (or yellow) to stock wire BLUE

Array left rear BLACK to stock wire BLACK

11. Secure wires appropriately to underside of fender.

### Step 5

12. Before reinstalling the fender, be sure to perform a complete function check of the turn signals/flashers. Reinstall the stock wiring harness into its corresponding connector in the battery box compartment and check for proper function.

Note: The bike may need to be started/running for the turn signals/flashers to work properly due to voltage irregularities when the bike is off.

13. It is also at this time that you may use the stock license plate wiring to provide power to an illuminated license plate frame for your relocated license plate.

### Step 6

14. Reinstall fender. Installation is the reverse of removal.