



Harley-Davidson V-Rod® Rear LED Turn Signal Array Installation Instructions

We thank you for purchasing the Custom Dynamics® V-Rod® Rear 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® at 1(800) 382-1388.

Part Number: HDV180

Package Contents:

- V-Rod® Rear LED Turn Signal Array (1)
- Washer (4)
- Shrink Tubing (4)

Installations/modifications (not included, sold separately)

- Rear license plate adapter Kit (V180P & V240P)
- Smart Signal Stabilizer (GEN2-SSUNV)

Fits: 2002-2011 V-Rod® with 180mm Rear Tire (Excluding Screaming Eagles)



IMPORTANT



Please read all information below before Installation

NOTE: Please read these instructions, in their entirety, BEFORE attempting installation. If you don't possess the proper tools or are uncomfortable with installing it yourself, contact your local dealer or mechanic who can help you.

Important: Installation of this rear turn signal assembly REQUIRES license plate relocation.

Important: Prior to installation it is recommended that you perform a pre-installation function check. To do so, use the bike's battery or another appropriate 12 volt power source. Hold the positive red or yellow 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

1. Lift up driver's seat and remove rear/passenger seat.
2. Disconnect the wiring harness from the bike's computer and remove it and the mounting bracket.
3. Lift the outer fender/skin and disconnect the rear turn signal/taillight/plate illumination harness connectors.
4. Set the outer fender/skin aside on a flat and smooth surface to protect the fender's finish.
5. Remove the rear tail assembly (AKA, "Dog's Ass"); THIS PART IS NO LONGER NEEDED! Set aside the four nuts/bolts, they're reused in mounting your new turn signal assembly.

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

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V-Rod® 180mm rear turn signal:

Place the turn signal assembly in place over the inner fender and line up the two mounting holes on each side with the corresponding holes in the inner fender. Re-using the mounting hardware from the stock tail assembly, place a small amount of Loc-Tite® to the bolt and slowly tighten the stock nuts snugly in place. Bolt the outer fender/skin in place and check to make sure that the edge of the turn signal assembly lines up perfectly with the lip of the fender and readjust if necessary. **(CAUTION!!! Over-tightening the mounting bolts may damage your turn signal).**

When wiring your rear turn signal assembly, you may choose to (1) remove the stock wiring harness connectors and hard wire it directly to the factory wiring harness or (2) remove the stock wiring harness connectors from the stock turn signals, wire them to the ends of the rear turn signal assembly and then plug it into the stock wire connectors. Soldering is necessary! Simply remove approximately ½ inch of wiring sheathing from each wire lead, slide the self adhesive shrink tube over one of the wires, twist the wires together, and place the shrink tube in place over the joined wires. Heat with a heat gun or hair dryer until it shrinks in place and the adhesive joins the two wire leads together. Allow it to cool before handling so the adhesive can solidify.

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 BROWN

Array right rear BLACK to stock wire BLACK

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

Array left rear BLACK to stock wire BLACK

Secure wires appropriately to topside of the inner fender using electrical tape. Reinstall the outer fender/skin.

PRIOR TO RIDING YOUR BIKE, test the HDV180 proper function of the running light, brake light, and both left and right turn signals.