



MOTORCYCLE PRODUCTS-DESIGN & MANUFACTURE

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**HPBY-0830**

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**Installation Instructions for Vanillazilla Switchback Fairing**

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Your new fairing has been shipped with all the necessary hardware for a basic installation. If you have any questions after reading the information in this sheet, please contact Hoppe at: [tech@hoppeindustries.com](mailto:tech@hoppeindustries.com) or call us. **Please read all the way through the instructions before starting the installation**, as five minutes spent now may save you many times that later.

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**Before you start:**

**Please note that some inside areas of the fairing front are visible when the fairing is assembled. It is important that you let your painter know to paint the inner edge for at least 1" when they paint the front so that no primer is left showing.**

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1) To prepare the bike for mounting the inner, you will have to replace the (4) rubber bushings currently holding your Harley quick-detach windshield, using the (8) stainless bushings that came with your new fairing. **Safety warning - Do not attempt to install your fairing or use it with the bike's stock rubber bushings!!!**

The stainless bushings are used in sets, two stepped spacers per set as shown.

Remove the hex head cap screws (one at a time) holding the spotlamp assembly, and remove the rubber bushings. The bushings go on each stud where the rubber bushings were, reusing the original hardware. Reinstall the spots, and using the Loctite supplied, reinstall the socket head cap screws until they just begin to snug up, and then loosen each one about 1½-2 turns. This will allow you to slide the fairing into place on the bike. Start the bottom of the fairing brackets into the gap between the bottom spacer halves, lowering it until you can get the top slots of the brackets to go into the top spacers. The fairing should now be able to be tilted back towards the bike and then dropped down another ½" or so to bottom out in the bracket slots. To check that it has fully locked in place, try pulling forward on the fairing. Unlike the stock windshield, the fairing should NOT be able to swivel forward if fully inserted into position. Retighten the four acorn nuts to their original torque to hold the fairing firmly in place.

**Safety warning -Never operate the bike without the acorn nuts being tight, regardless of the fairing, original shield, or no shield being installed!!!** You can still run with the original shield or none at all; just loosen the nuts 1½ turns to remove the fairing or shield and **retighten them before riding.**



2) Position the windshield in place, and start the windshield screws from the outside, with a stainless washer on each screw. On the inside, place a chromed acorn nut and chromed washer on each screw, placing a drop of Loctite inside each nut. Placing the Loctite in the nut will help prevent it dripping on painted surfaces or the windshield itself, as Loctite will attack some plastics and paints. Tighten the windshield screws finger-tight. Snug the windshield nuts to about 15-20 inch pounds, just enough to not flex the fiberglass flanges into the slots and holes in the shield. The Loctite will keep them from coming loose. After paint, use the Loctite on the 6 screws that hold the front & inner fairing halves together, and do not over tighten.

3) The ¼" -20 threaded fitting in the center of the fairing inner is for our optional center pouch or accessories of your choosing.

4) H-D fairing mirrors #91945-98b (not included) can be used with your fairing by drilling holes according to the paper template supplied below.

## **Important safety information-please read!!!**

**Any modification** like adding a fairing, extended controls, different handlebars, etc., **will have an effect on your bike's handling**. That doesn't mean bad, just different. Take some time to get to know your bike after installing your fairing. The decreased wind felt by the use of a fairing can affect your perception of speed, leading you to possibly drive faster than you are aware of. Crosswinds and passing large vehicles will have an effect because of the larger front surface area. Handling in parking lots may feel slower.

### **Installation Items Included**

8-piece Mounting Bushings set

(1) 242 Loctite tube