



MOTORCYCLE PRODUCTS-DESIGN & MANUFACTURE

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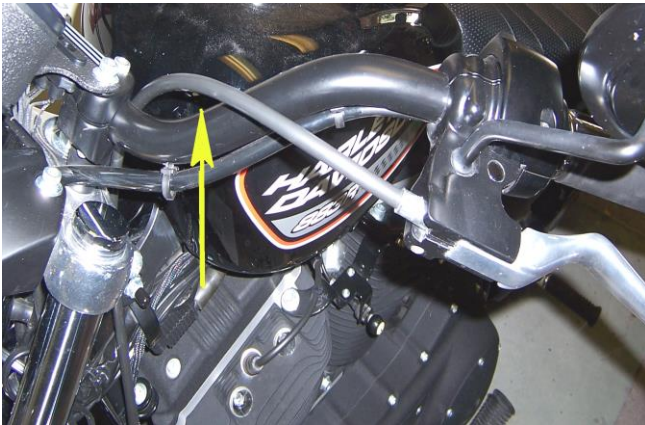
### Installation Instructions for Sportster with Amplified Speakers

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.

#### 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 inside edge for at least 1" when they paint the front so that no primer is left showing.**

**NOTE: Your fairing requires OEM Quick-detach windshield mounts (H-D part # 58164-96A) available from your H-D dealer. If your bike does not currently have a windshield, please note how to relocate your clutch cable and turn signals according to the H-D bracket instructions. The H-D turn signal relocation kit (H-D part # 68517-94A) will move your turn signals from the handlebars to the lower fork tree.**



1) To prepare the bike for mounting the inner, you will replace the (4) rubber bushings currently holding your Harley quick-detach windshield, using the stainless bushing set that came with your new fairing.

#### **Safety warning - Do not attempt to install or use your fairing with the bike's stock rubber bushings!!!**

(2) The stainless bushings are used in sets, two stepped spacers per set as shown. Remove the rubber bushings, and replace them with sets of stainless steel ones, reusing the original hardware and using the Loctite supplied. Tighten the 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. Note that the hex-headed cap screws are used in the upper mounts and the hex key ones in the lower, just like with the original windshield. Place a protective foam pad (two if equipped w/



tachometer) on the top of the round speedometer housing, close to the front edge. This protects the fairing and speedometer from rubbing against each other from road vibration. The wire loom supplied with the H-D windshield mount kit should be used as shown to hold the throttle cables up and away from the fairing bracket area.

Start inserting the bottom of the fairing brackets between the bottom bushing halves, lowering the fairing until you can get the top slots of the brackets to go into the top bushings. The fairing should now be tilted back towards the bike and then dropped down another ½” or so to bottom out in the four 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 capscrews to their original torque to hold the fairing firmly in place.

**Safety warning -Never operate the bike without the cap screws being tight, regardless of the fairing, original shield, or no shield being installed!!!**

Route the bike’s power cord under the tank, following the other wiring to the battery area under the seat. Plug the two halves of the power cord together, and secure to the clutch cable with the supplied wire ties. Turn the handlebars from side to side and make sure neither the cable or power cord is binding or has too much slack that could catch anywhere as a loop.

\*The **black power cord ground (negative) wire** connects down on the engine on the threaded post.

\*The **red battery (positive) wire connects to the red 15-amp fuse holder**. Then the **fuse holder goes directly to battery positive terminal. Connect it first.**

\*The **orange cord ignition-controlled positive wire connects to the orange with white stripe wire under the black ECU box**. Swing the box out of the way for wiring, and replace the box afterwards.

The supplied tap-in and corresponding male terminal are used to tie into the orange/white wire without cutting or soldering any wires.

3) Position the windshield in place on the fairing, 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 the 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. Also, use the Loctite on the 4 screws that hold the front and inner fairing halves together, and **do not over tighten**.

The self-contained amplifier will go on/off with the bike and draws very little power when no audio device is plugged into the jack. Any device with a 3.5 mm “mini jack” earphone output will play through your fairing speakers using the device’s volume control.

### **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 different, especially if you were not using any type of windshield prior to installing the fairing.

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**Installation Items Included**

- 8-piece Mounting Bushings set
- (1) Power cord
- (1) Fuse holder and 10-amp fuse
- (1) “Tap-In” splice connector
- (1) 242 Loctite packet
- (1) Crimp-on wire nut
- (2) Ring terminals
- (1) 3’ mini-jack 3.5 mm patch cord
- (2) Black foam oval pads
- (3) 6-inch zip ties

