

DIRECT BOLT-ON FAIRING KIT FOR SPORTSTER MODELS

Part# 06-037 & 06-039 Fits 2004 - Up XL w/Top Mount Headlight

Thank you for purchasing this Arlen Ness product. We believe that our products are the very best available and are engineered to provide a lifetime of use. The installation of this kit a bit involved, Basic hand tools and a service manual for your year and model motorcycle are a must to complete this installation. Arlen Ness recommends this install be done by a qualified technician at an authorized service center.

Parts:

1—Fairing Body	1—Windshield
8—Nylon Fasteners	1—Headlight Mount
2—Fairing Bracket	2—Headlight Spacer
4—1/4-20 x 5/8" Buttonhead, Chrome	4—1/4-20 Nylock, Chrome
2—5/16-18 x 1" Hex Bolt	2—5/16"-18 x 1-1/2" Hex Bolt
4—5/16" Flatwasher	2—5/16" nylock
1—Headlight Pigtail	4—Nylon Tie Straps
4—Band Clamp	1—Grommet



Referring to the OEM service manual during this installation is highly recommended.

1. Remove fuel tank from motorcycle to gain access to the headlight harness connection. Unplug it from the connector inside wire harness.
2. Remove the OEM headlight from the top triple clamp. Install headlight mount extension bracket to the top triple clamp using the 5/16-18 x 1" hex bolts with washers supplied. Attach OEM headlight mount to our extension bracket with the supplied spacers and 5/16-18 x 1-1/2" hex bolts and nylock nuts supplied as shown in **Pic 1**.
3. Remove headlamp from headlight housing. Make a diagram of the pin locations & color of the headlight harness wires in the connector block. Unpin wires from connector block. Remove harness from headlight housing. Put the rubber grommet supplied in the headlight housing and pull our extended harness through it. Put black wire in correct pin location in connector block. The yellow OEM wire will be white on the Ness harness and the white OEM wire will be blue on the Ness harness, see **Pic 2**.
4. Install headlamp in housing and reconnect headlight harness connector inside the wire harness caddy. Adjust headlight now per OEM specs in your service manual.
5. Make a mark 3/8" below the top triple clamp on both fork legs, **Pic 3**. Install 2 band clamps on each fork tube with the threaded stud to the front side of the bike. Using the nylon tie straps supplied temporarily clamp them together, **Pic 4**. Slide the top triple clamp up to your 3/8" mark. Take 1 of the fairing brackets with the longer leg of it on the top and mount to the top clamp, slide the bottom clamp up the lower mounting hole in the bracket and run the nuts on by hand for now, **Pic 5**.
6. Install the windshield in the fairing body using the black plastic nuts/bolts. Start at the front center hole working your way back both sides. Be careful not to scratch the windshield or fairing and do NOT over tighten, it is possible to crack either piece.
7. Using the (4) 1/4-20 x 5/8" button head bolts and nylock nuts attach the fairing to the mounting brackets. Tighten all four snug. You will need to slide the brackets and clamps around to get the headlamp centered in the fairing headlight hole., **Pic 6**. Once centered, tighten the nylock nuts on the clamps going from side to side and top to bottom to keep it centered in the fairing. Make sure all cables are not going to interfere with the fairing when turning the forks back and forth.

