

POLARIS SLINGSHOT HITCH



The kit includes the following:

- 1- left hand hitch arm (straight)
- 1- right hand hitch arm (z shape)
- 1- hitch hoop
- 1- center strut
- 2- strut mounting bushings
- 1- hardware kit should include the following:
 - 4- 1 ¼ u-bolts
 - 9- 3/8 x 16 nyloc nuts
 - 18- 3/8 flat washers
 - 8- 3/8 x 16x1 grade 8 bolts
 - 1- 3/8 x 16x2 ¼ grade 8 bolt
 - 1- ½ x 13 nyloc nut
 - 1- ½ x 13 x 9" Bolt
 - 4- ½ Flat washers
- If you purchased a fender with your slingshot hitch you will rec. the following
 - 4- black rubber washers
 - 8- ¼ - 20 ss flat washers
 - 4- ¼ - 20 nylok nuts
 - 4- ¼ - 20 x 1 ss button head bolts
 - 1- center strut with fender bracket strut
 - 1- fender

****Notice the bottom rear cover must be altered to install this hitch.****

Remove black rear body cover above the rear wheel, and loosen the top plastic cover. See pic top right.

Then remove black plastic around center light and gas cap: Unplug and remove the light and screws around the edge of the plastic. See pic.

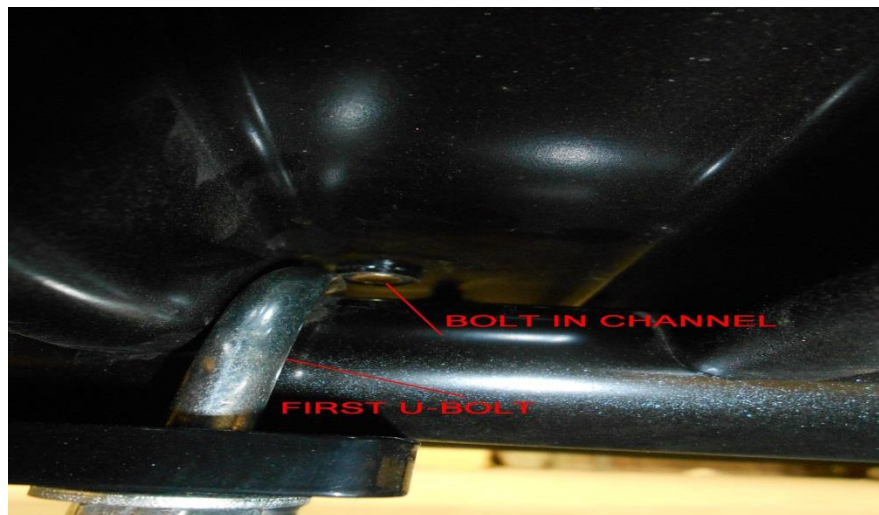
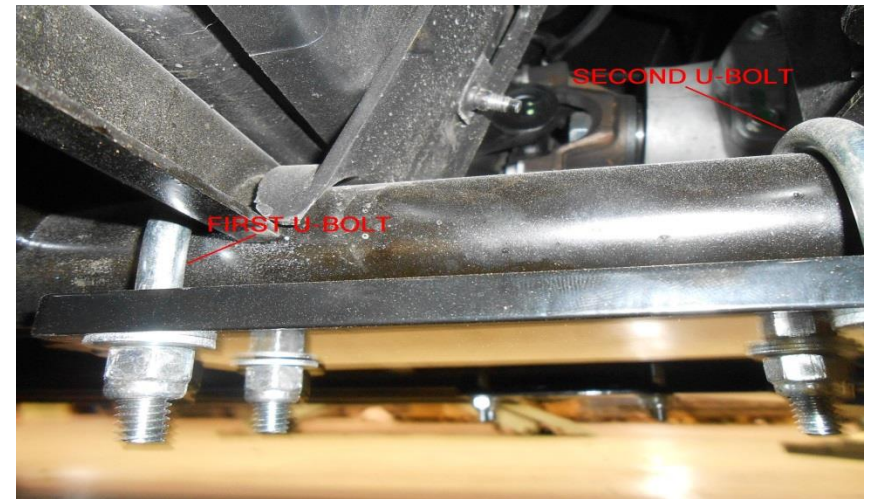
Next: Remove screws from both headrest front and back side & left and right side. See pics.



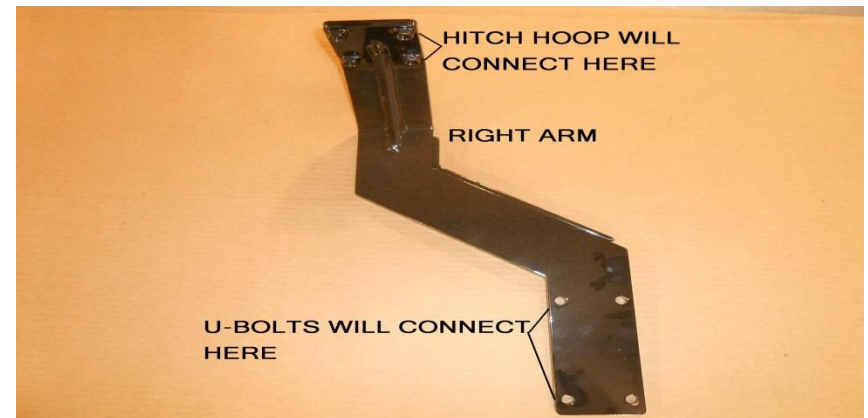
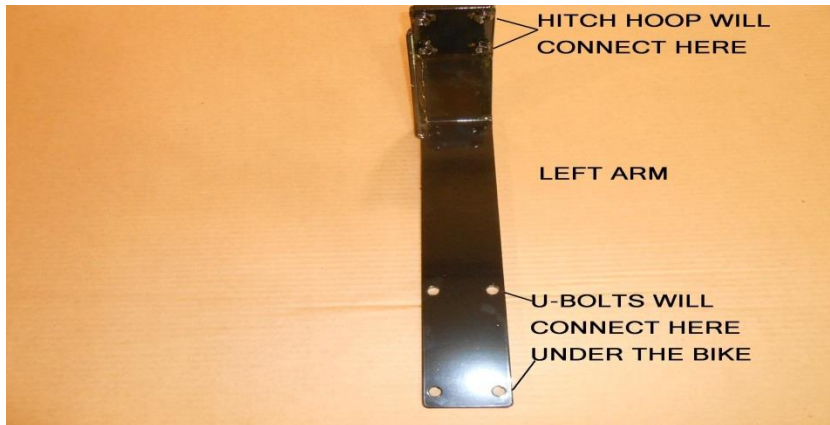
Look underneath the bike for this channel. Place a u-bolt over the pipe on both driver and passenger sides. See bottom left picture.

Place u-bolt over the tube going towards the back of the bike. You will do this on both driver and passenger sides of the bike.

See top right pic.



Install left arm to u-bolts using 4-3/8 flat washers and 3/8 nuts. Do the same for the right side (z-shaped). Snug nuts, but leave loose enough to slide back and forth. Place a straight edge across the back tire. Measure from the arms on both sides of tire and get them as close to equal as possible. (does not have to be exact). Snug u-bolts under the bike enough so the arms won't shift once you get the measurement that you need. Next, place hoop onto arms using 4 - 3/8 flat washers and 4 - 3/8 x 16 x 1 bolts per side.



Leave bolts loose for now. Next, place strut bushings into the tube on the frame above the fuel tank. note:**some de-burring may be required inside the tube.

Slide the 9 x ½ bolt with ½” washer through the bushings and the tube. Next, add a washer and nyloc nut. The extra washers can be used to shim the strut left or right if needed.

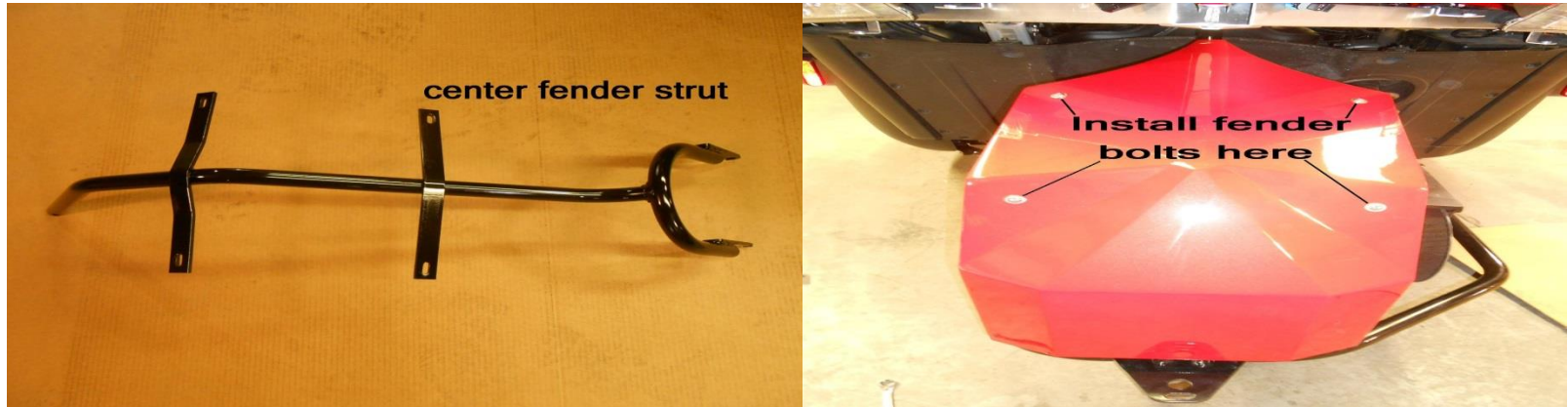


If you purchased a fender with your hitch you will skip to page 7 here. Install strut carefully allowing one hook to slide under the bolt, and the other one over the bolt. See pic 3. A twisting motion is required to install onto bolt. Tighten nut just enough to hold into place. Install 3/8 x 16 x 2 ¼ bolt, washers and nut. Next start from the bottom of the bike and work your way up tightening the bolts, and nuts as needed. Reinstall plastics in reverse order. When you get to the black cover you will need to make a slot in the center to accommodate the strut, approx 2”.

Last, add pin or Ball of your choice. The Slot in front of the pin or ball is where your safety chain attaches.

Note: The left hitch arm covers the battery box. The u-bolts can be loosened enough to remove the battery cover.

Slingshot fender installation ins.



Install strut carefully allowing one hook to slide under the bolt, and the other one over the bolt. See pic 3 on page 6. A twisting motion is required to install onto bolt. Tighten nut just enough to hold into place. Place fender onto center strut with the rubber washer between the bracket and the fender. Install the $\frac{1}{4}$ - 20 x 1 bolts with a stainless washer on the outside of fender and one between the bracket and the $\frac{1}{4}$ - 20 nylok nut. Once you have the fender centered on the strut tighten the bolts (you can raise the strut up enough to tighten the bolts. Do not over tighten you will damage the fender). Install $\frac{3}{8}$ x 16 x 2 $\frac{1}{4}$ bolt, washers and nut. Next start from the bottom of the bike and work your way up tightening the bolts, and nuts as needed. Reinstall plastics in reverse order. When you get to the black cover you will need to make a slot in the center to accommodate the strut, approx 2".

Last, add pin or Ball of your choice. The Slot in front of the pin or ball is where your safety chain attaches.

Note: The left hitch arm covers the battery box. The u-bolts can be loosened enough to remove the battery cover.