



*Slip Stream*

## SKID PLATE

*Fits 2004-Up Sportster*

### INSTRUCTIONS

**(Please read all instructions before beginning install)**

#### Parts included:

- 1 Skid Plate (Black Powder or raw aluminum)
- 1 Stud w/ jam nuts ( $\frac{1}{4}$ -20x2.25")
- 1 Acorn Nut ( $\frac{1}{4}$ -20)
- 1 Washer for stud ( $\frac{1}{4}$ ", .5" od)
- 4 Flat washers (for optional use on spacing  $\frac{3}{8}$ ")
- 2 Flat washers for bottom mount bolts ( $\frac{1}{4}$ ")
- 1 Threaded mounting plate ( $\frac{1}{4}$ " welded nuts)
- 2 Bolts for bottom mount ( $\frac{1}{4}$ -20x1.25" BHCS)
- 2 Bolts for front mount ( $\frac{3}{8}$ -16x1" BHCS)
- 6 2" black high density frame cushions

#### Installation Steps:

1. Remove the factory bolt from the bottom of the voltage regulator/rectifier.
2. Thread in the Stud with jam nuts in place of the factory bolt from previous step (allen head indentation pointing away from engine.) Tighten down using an allen wrench in the end of the stud. Medium/blue thread locker must be used.
3. Place the Skid plate into position by aligning the top hole in the skid plate with the stud installed in previous step, then loosely start the provided  $\frac{3}{8}$ " bolts into the front two holes, located in the crossmember between the downtubes.. (If an aftermarket engine guard/crash bar has been installed, the skid plate must be installed between the crash bar and the frame.)
4. Loosely start the provided bottom mount bolts with washers up through the bottom of the Skid Plate, through the front bottom crossmember, and into the provided Mounting Plate. (You will need to push up on the bottom of the Skid Plate to get the bolts started.)
5. Now you will need to decide if and where you would like to use the frame cushions. You may take note of where the Skid Plate is against the frame and make a non-permanent mark to indicate this. (We have found one at the top on each side, and one at the beginning and end of the radius at the bottom of the downtube on each side works well.) See Photo at bottom.
6. If you decide not to use the cushions you may now use medium/blue threadlocker and

tighten the Skid plate into position and using the acorn and washer to secure the top of the skid plate to the stud installed in step 2. Continue to next step if you decide to use the cushions.

7. Remove the bolts installed into the Skid plate for the test fit. Install the cushions in your previously marked location by removing the adhesive covering and pushing into place. (It is a good idea to clean well with alcohol first. The cushions may be installed on the Skid Plate or the frame.)

8. Reinstall the Skid plate the same way as it was put into place for the test fit. Install the acorn nut with washer onto the stud installed in step 2, securing the top of the Skid Plate. You must use medium/blue threadlocker.

9. Go for a ride!

#### **General Notes:**

- The rider's safety depends on the correct installation of this kit. Please do not attempt if you have any doubts of your ability to install.
- Blue threadlocker must be used on all threads.
- Torque all fasteners to 10-14 ft. lbs.
- On some bikes, the cross member between the downtubes is not welded into place completely flat. If this is the case on your bike, we have provided 4 extra  $\frac{3}{8}$ " flat washers that may be placed between the skid plate and the cross member to let the Skid Plate sit straight.

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