

Mounting Instructions for Hard Bags to Wolfman and Backroads Moto Side Racks.

These instructions are intended for mounting any Flat Back Case such as: Pelican, Storm, Nanuk, or Undrilled Aluminum Hard Cases

This is a "Do It Yourself Kit"

Read and understand these instructions thoroughly prior to installation!

This kit contains the following: (This kit is shared with our Pelican 1430 Specific Mounting kit, not all parts will be used; as indicated.)

Quantity	Description
4	Puck
4	Arm with pressed in Carriage bolt
2	Rails
4	Stiffener 2" x 3/16 x 11"
4	Set Screws 1/4 x 20 x 1/4
4	Star knob
4	Bolt, Button 8mm x 1.25 x 25mm
4	Bolt, Button 6mm x 1 x 20mm
12	Washer, 8mm (large) ***4 Will Be Used***
4	Washer, 8mm (small) *Spacer for Puck on Storm 2400*
8	Washer, 6mm (large) *** 4 Will Be Used***
4	Nut, 6mm
4	Nut, 8mm
1	Mounting Template

Tools Needed

Medium Strength Loctite (Blue) or equivalent thread locker

Silicone sealant

5mm Hex Wrench

4mm Hex Wrench

3mm or 1/8" Hex Wrench

13mm Box End Wrench or Socket

10mm Box End Wrench or Socket

Drill

5/16" Drill Bit

1/4" Drill Bit

1/8" Drill Bit

Tape measure

Center punch

Square or L Square

Hammer

Measuring Side Rack Center

The Wolfman/Back Roads Moto Side rack Hoop is approximately 11 7/8" long, (measured from outside to outside). The Center is approximately 5 15/16".

To Be absolutely sure measurements:

1. Measure Rack Hoop from outside ends. FIG 1
2. Find the Center measurement.
3. Align the bottom of the Square or L Square to the bottom of the rack. FIG 2
4. Mark the Center Top and Center Bottom with the marker, Make sure the mark is visible from a Top Down View. FIG 3

FIG 1 & 2



FIG 3



Assembly of Arm and Puck

5. Install a puck over bolt on arm and start a 1/4 x 20 x 1/4 set screw in puck, repeat for all four. DO NOT TIGHTEN THE SET SCREW AT THIS TIME. FIG 4

FIG 4



FIG 5



Drill and Mount Hardware onto Hard Cases

6. Strap your cases on to your racks using a tie down or another attachment method of your choice. FIG 5

** Make sure you get your vertical height correct and Front to Back orientation to your liking**

**Please note if you are Going to ride with a passenger, make sure you put your passenger on the bike to fit your bags. **

***If you set up the bags off center, you will have a Left and right bag. **

**If you setup your bags so the center of the bags are centered to the center of the racks you will not have a left and right bag. **

7. Mark on the back of the case the center of rack loop, do this for top and bottom. FIG 6
8. Using a marker draw a line along the top of the bottom loop tube. FIG 7
9. Mark the vertical center line and horizontal line. FIG 8

FIG 6



FIG 7



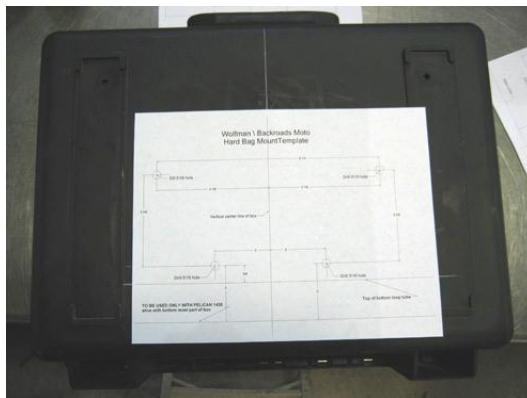
10. Align and Tape the Paper Template on the bag so the Vertical Center Line and Top of Bottom Tube lines match up. FIG 9
11. Lay the Stiffeners in place over the Template so the holes align; this is to make sure there is adequate Room on the inside of the case for the stiffeners.

****If there is a problem DO NOT Continue. Review Steps 1 through 7 and correct the problem. ****

FIG 8



FIG 9



With The Template taped in place, the Stiffeners set with the correct spacing and the overall orientation of the bag is satisfactory.

FIG 10

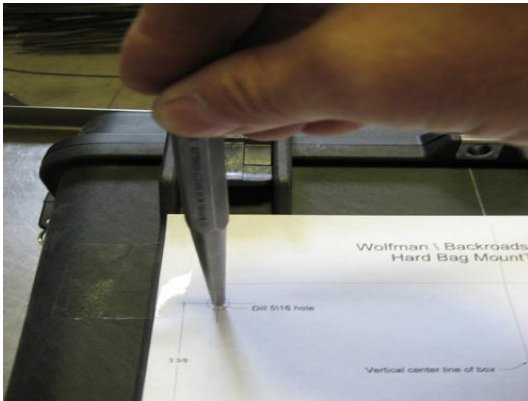


FIG 11



12. Center punch the four 5/16" holes on the Template. FIG 10
13. Pilot drill all four punch marks with 1/8" drill bit and re-drill with 5/16" bit.
14. Remove Template. Orient Stiffener on outside of case with two of the 5/16" holes at center and bottom and the 1/4" hole at the top.
15. Place two 8mm bolts through the holes to hold in place, using the stiffener as a guide drill the top 1/4" hole. Remove stiffener and bolts. FIG 11
16. Apply Silicon around all three holes on stiffener. Install stiffener to **Inside** of case. Complete other Stiffener. FIG 12
17. Place two 8mm x 1.25 x 25mm button head bolts through bottom hole of stiffener from inside of case. Place puck arm assemblies through case and stiffeners from outside, thread knobs onto installed puck arm assemblies. Place two 6mm x 1x 20mm button head bolts through the top holes. FIG 13

FIG 12

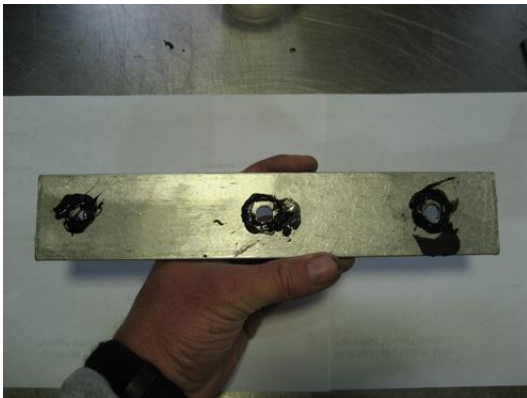


FIG 13



18. Apply silicon around the two holes in the rail, place over the two 8mm x 1.25 x 25mm button headed bolts and thread two large washer and 8mm nuts on. Thread on two 6mm washers and 6mm nuts to the top bolts. FIG 14
19. Tighten All Nuts and Bolts snug, **Except** the Mounting Pucks, 4 per bag.

FIG 14



Adjusting the Pucks and Arms to the Side Rack Hoops.

20. Place case on the side rack, with the Rail over the Lower portion of the Hoop.
21. Turn arms to catch rack and lightly tighten inside knobs.
22. Turn pucks with your fingers until the pucks just touch the inside of rack Hoop. FIG 15
23. Mark arm and puck with marker, remove both puck arm assembly's align your marks on the arm and puck and tighten set screw. FIG 16

** (It is best to have the puck cam in from the top, in some cases this is not possible and You will need to have them cam up from the bottom.)**

FIG 15

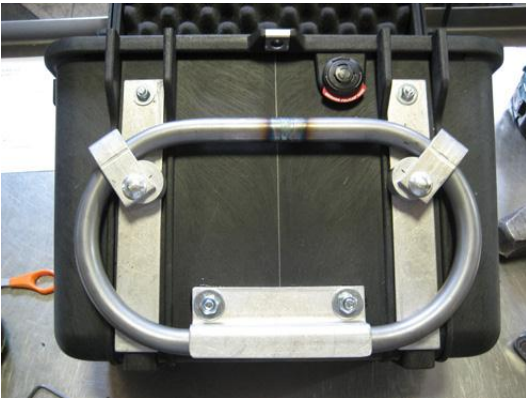


FIG 16



*****Depending on the Hard Bag you Choose, the 4 Washer, 8mm (small) can be used between the Puck and Bag to make a flush, smooth fit.*****

If you have any questions call or email Berg Briggs at:
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