



HAPPY TRAILS PRODUCTS

HONDA CRF1000L AFRICA TWIN SU RACK HTP3-2-1.1

Thank you for purchasing Happy Trails products. Our products are proudly hand made in Boise Idaho, USA. If you have any questions or concerns about the installation of this product, please contact us directly at 1-800-444-8770 or e-mail support@happy-trail.com.

Before you begin, place the bike on a hard level surface where you have room to work. Lay out the parts included in this kit and compare to the parts list on page 3 of these instructions. If any parts or hardware are missing, contact us immediately at the number or email listed above.

IMPORTANT!!!!

When installing Happy Trails racks, leave all bolt connections loose until the entire product is installed. Then go back and tighten all connections. We recommend the use of thread locking compound.

Step 1: Using your key, remove the seat from the bike. Set aside in a safe place. Next, remove the passenger seat using a 10mm Socket. See *Figure 1*

Step 2: With both seats removed, locate the 12mm bolts towards the rear of the bike. Remove these bolts. They will not be used for the remainder of the install. See *Figure 2*

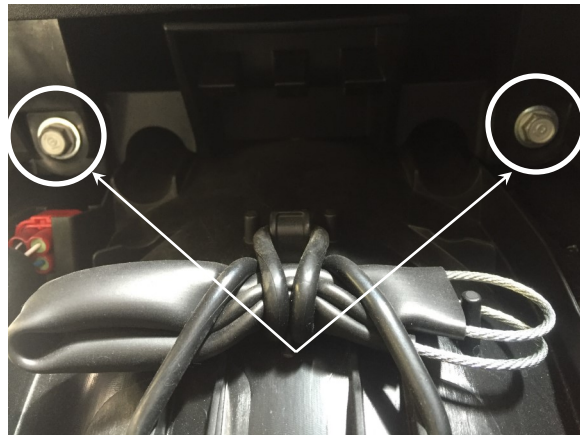


Figure 1: Bolts attaching rear seat.



Figure 2

Step 3: Next, using the sharpened 8mm bolt provided in the kit, thread it through the top side where the previous bolts were located. This is to mark the plastic inner fender for drilling. Make sure to press firmly with your hand on the back side to allow the bolt to puncture the plastic. Once a small mark has been made, remove the bolt and proceed to Step 4. See *Figure 3 on next page.*



HAPPY TRAILS PRODUCTS

HONDA CRF1000L AFRICA TWIN SU RACK HTP3-2-1.1

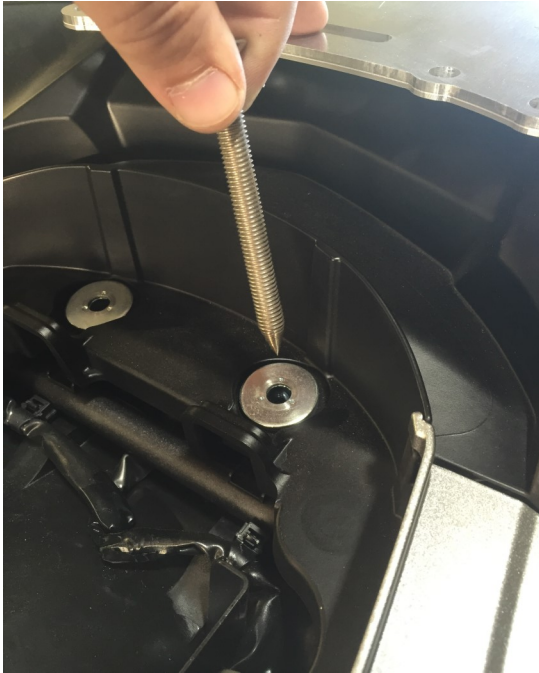


Figure 3: Bolt used to make the inner fender for drilling.

Step 4: Next, drill two 3/4 inch holes in the inner plastic fender (where you just made your marks), underneath the rear of the bike. We find it easiest to use a step bit to drill these holes. See Figure 4



Figure 4: Picture shows holes being drilled in the inner plastic fender.

Step 5:

Now that the holes have been drilled, slide the 2 inch spacers provided in the kit into the holes. Then, using the fully threaded 8x90mm bolts and two 8mm Flat Washers, mount the rear support bar making sure the outer tabs are facing downwards, and slightly forward. Leave these bolts loose until the end of install.

See Figure 5.1-5.3



Figure 5.1



Figure 5.2



Figure 5.3



HAPPY TRAILS PRODUCTS

HONDA CRF1000L AFRICA TWIN SU RACK HTP3-2-1.1

Step 6: Starting on the left side of the bike, remove the bolt nearest to the side panels located under the seat. Then using the bolt you just removed, install the slotted side of the center mounting bracket. See Figures 6.1-6.2

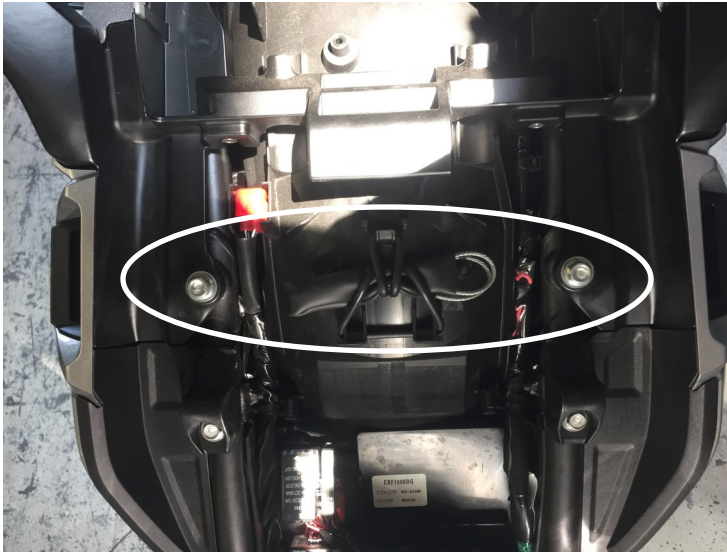


Figure 6.1: Remove bolts circled in picture to install bracket

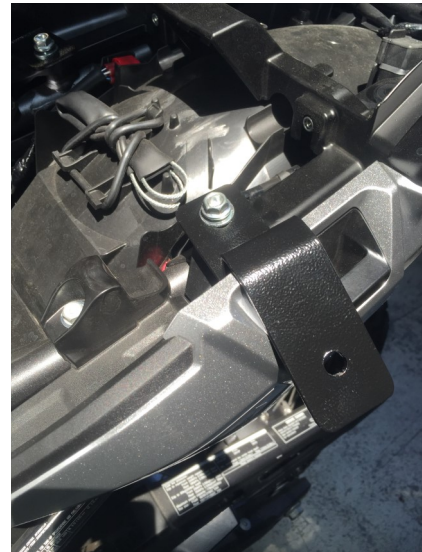


Figure 6.2: Bracket with stock bolt



Figure 7.1



Figure 7.2

Step 7: Remove the upper passenger peg bolt from the frame, this bolt will no longer be used. Then insert the 1/4" spacer where the bolt used to be. See Figures 7.1-7.2



HAPPY TRAILS PRODUCTS

HONDA CRF1000L AFRICA TWIN SU RACK HTP3-2-1.1

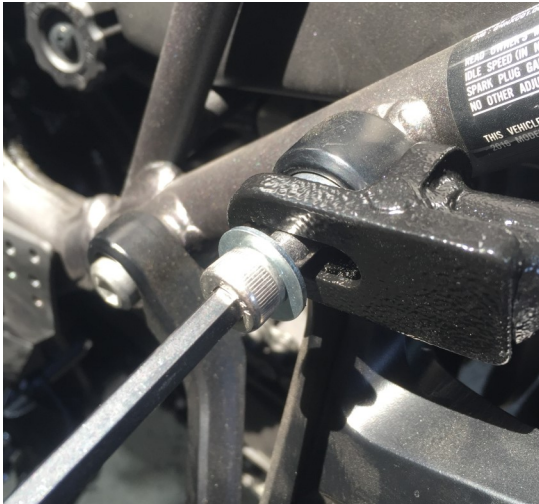


Figure 9: Forward SU Rack Mount

Step 9: Next, an 8x25mm Socket Head Cap Screw, two 8mm Flat Washers, and an 8mm Nylock nut, attach the rear mounting point of the SU rack to the rear support bracket. Keep bolts loose until end of install. |See Figure 9



Figure 10: Center SU Rack Mount

Step 8: Continuing with the left side, thread the 8x50mm Socket Head Cap Screw with an 8mm Flat Washer through the forward mount in the SU rack, through the spacer, through the passenger peg mount, and into the frame. Keep this bolt loose until the end of the install. See Figure 8



Figure 9: Rear SU Rack Mount

Step 10: Move to the center mounting point of the SU rack, and attach it to the bracket using an 8x25mm Socket Head Cap Screw, Two 8mm Flat Washers, and an 8mm Nylock Nut. Keep bolts loose until end of install. See Figure 10

Step 11: Follow steps 6-10 to install the right side SU rack .



HAPPY TRAILS PRODUCTS

HONDA CRF1000L AFRICA TWIN SU RACK HTP3-2-1.1

Step 12: Once you have both sides of the SU rack attached to the bike, install the rear bumper, making sure that the indicator knobs on the bumper are facing down. See Figures 12.1-12.3



Figure 12.1: Bumper Mounts (Outside)



Figure 12.2: Bumper Mounts (inside)



Figure 12.3: Indicator knob facing down

Step 13: Now that all components are attached to the bike, place the remaining 8mm Nylock on the top side of the bolts that went through the rear support bar and inner fender. These nuts are a safety measure to ensure that the bolts do not back out and become loose. Make sure that the bolts are tightened completely before tightening these nuts. See Figure 13.1-13.2



Figure 13.1



Figure 13.2



HAPPY TRAILS PRODUCTS

HONDA CRF1000L AFRICA TWIN SU RACK HTP3-2-1.1

Step 14: Finally, starting at the front and working your way backwards, tighten all the bolts. Re-install the seats. Make sure the racks are completely secured to the bike before riding or installing luggage. You are now ready to ride!

Bolt List:

6x16mm SHCS	4
8x25mm SHCS	4
8x50mm SHCS	2
8x90mm HHCS **** <u>FULLY THREADED</u> ****	2
8x90mm Sharpened FHCS	1
6mm Flat Washer	8
6mm Nylock Nut	4
8mm Flat Washer	12
8MM Nylock Nut	6
3/4" OD x 1/4" L Spacers	2
3/4" OD x 2" L Spacers	2

Hardware List:

Right Side SU
Left Side SU
Rear Support Bar
Center Tabs (2)
Rear Bumper



Example of bit used to drill holes (See Page 2). Can be found at a local hardware store. *NOT INCLUDED IN KIT.*

REV. 1
JW
ADDED FULLY THREADED 8X90 BOLT