



HAPPY-TRAIL.COM
Dual Sport & Adventure Touring Specialists

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 installation@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 the final page of these instructions. If any parts or hardware are missing, contact us immediately at the number or email listed above.

Step 1

Remove OEM guard if installed using a 10mm wrench. There are two bolts on the bottom and one at the front as shown in Fig 1

These bolts will not be reused.

Fig 1



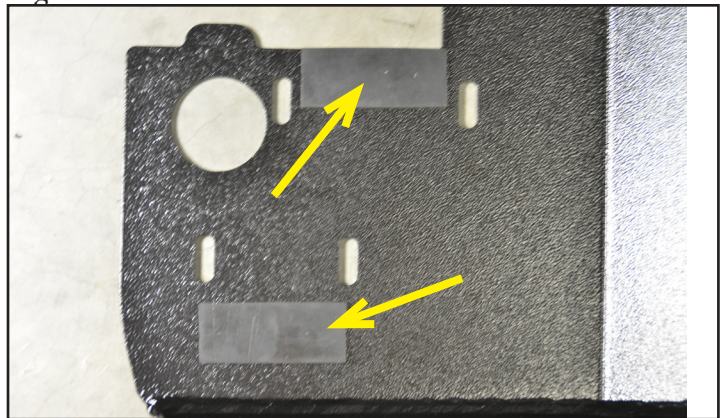
Step 2

Install two included rubber blocks at the locations indicated in Fig 2 on the top side of the skid plate. These are adhesive backed so please issue care when removing the paper backing so the adhesive is not removed by accident.

Place as indicated and press firmly to set.

Note slots. These are the clamp installation locations.

Fig 2



Step 3

Position the skid plate under the bike and install the M6x16 SH front bolt with lock washer and flat washer at the position indicated in Fig 3. (The same mounting location as stock guard if removed in step 1)

Leave this bolt slightly loose until bottom clamps are installed

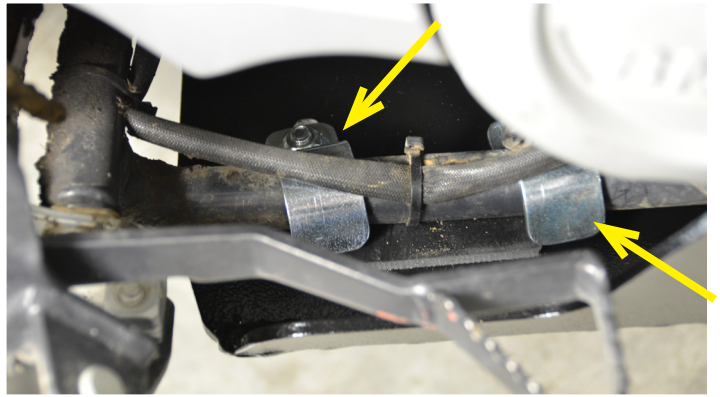


Step 4

Install the (4) bottom clamps. The two right side clamps are shown in Fig 4. Note the clamp goes under any wires that run along the frame tube. Position clamps one at a time and thread a M8x20 BH bolt with flat washer from the bottom, through skid plate, and into clamp lock nut. Repeat for all four locations. Leave slightly loose.

Final position skid plate so rubber blocks are under frame rails and left and ride sides are balanced

Fig 4



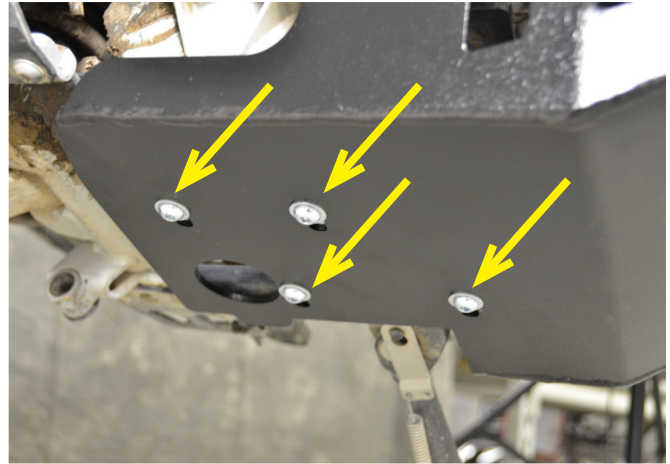
Step 5

Tighten all (5) bolts to the below specifications, front bolt first, then bottom bolts. Note the clamps will twist some on the frame rail, but this is OK as long as they are firmly on top of the frame rail.

Four bottom clamp bolts shown in Fig 5

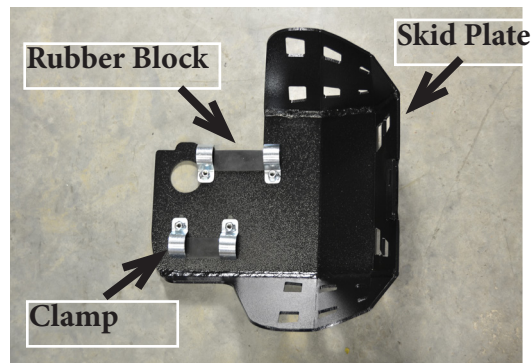
M8 bolts should be tightened to 18 ft/lbs
M6 bolt should be tightened to 9 ft/lbs

Fig 5



Recommended Tools:

10mm wrench
5mm Allen (hex) wrench



Hardware List:

- (1) Skid Plate
- (2) Small KLR Rubber Blocks
- (4) KLR Skid Plate Clamps
- (4) M8x20 BHCS 12.9
- (4) M8 Flat Washers
- (1) M6x20 SHCS
- (1) M6 Split H/C Lock Washer
- (1) M6 Flat Washer

