

HTP7-5-88-MK1 DL650 SKID PLATE WITH HT OR GIVI BARS



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Dual Sport & Adventure Touring Specialists

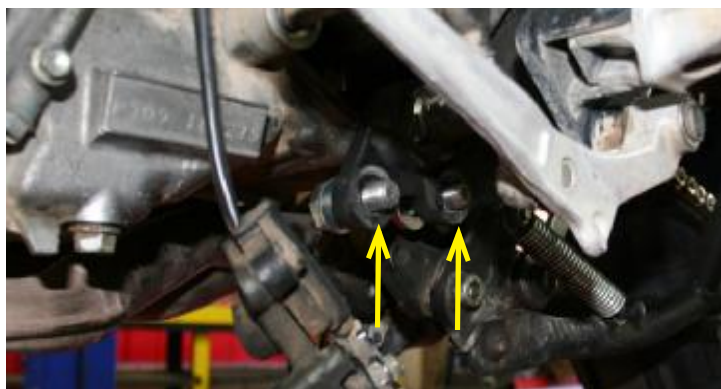
Thank you for purchasing Happy Trails products. Our products are proudly hand made in Boise Idaho, USA. If you have any questions or concerns about the installation of this product, please contact us directly at 1-800-444-8770 or e-mail installation@happy-trail.com.

Before you begin, secure the bike on a hard level surface where you have room to work. Note you will be removing the side stand so the bike needs to be supported by other means. Lay out the parts included in this kit and compare to the parts list on the #nal pages of these instructions. If any parts or hardware are missing, contact us immediately at the number or email listed above.

Step 1 Remove Side Stand Assembly

Using a 17mm socket, remove the two large bolts indicated in Figure 1 that hold the side stand assembly. It is attached to a sensor wire so the easiest method is to rest the assembly on top of the foot peg once it is removed to keep it out of the way until time to reinstall. Note these two bolt locations will serve as the back left mount point for the skid plate. The two removed bolts will NOT be reused.

Fig1



Step 2 Remove Exhaust Mount Bolt

Using a 12mm wrench, remove the exhaust mount bolt from the indicated location in Figure 2. This bolt location will serve as the back right mount point for the skid plate. The removed bolt will NOT be reused. Note the Rear Mount Plate is shown in its correct orientation directly under the arrow.

Fig 2



Step 3 Attach Rear Mount Plate

The Rear Mount Plate attaches to the bike at the three bolt locations indicated in Figures 1 and 2. Raise it into position as shown in Figure 3. Place one 8mm flat washer on the M850C bolt and insert this through the Mount Plate, through one 5/16" x 1 1/4" fender washer, and into the rubber bushing mount. Thread the bolt into this muffler mount but leave it a little loose. For the left side, place 12mm lock and flat washers on the M1235C bolts from the bolt kit and then place these through the Mount Plate, through the side stand mounting holes, and into the side stand assembly. It is a bit tricky to get the bolts threaded into the assembly and seems to work best if you alternate slightly threading each bolt and periodically wiggle the side stand assembly to keep everything from binding.

Fully tighten these M12 bolts using a 17mm socket or wrench.

FOLLOW STEPS 4 & 5 IF YOU HAVE HAPPY TRAILS NERF BARS, 6&7 IF GIVI

Step 4 Attach Front Mount Plate (Happy Trails Bars) Fig 4

For Happy Trails brand Nerf Bars, the Front Mount Plate mounts BEHIND the Nerf Bar and the U clamps go around the Nerf Bar from the FRONT and are secured to the plate using two M616S bolts with 6mm lock and flat washers.

Place the washers on the bolt and then thread it through the bracket into the clamp. Repeat process for the other clamp making sure to leave these clamps loose until the skid plate is fully mounted.



Step 5 Attach Skid to Front Mount (Happy Trails Bars) Fig 5

Note the skid plate mounts in front of the Front Mount Plate. Place SMALL 8mm washers onto two M820B bolts. Raise the front of the skid plate into position, place both bolts through the skid plate and through the mount plate. With the back of the skid plate resting on the ground, it should stay in place so you can place another SMALL washer and M8N nut on each bolt.

Fully tighten these two M820B bolts, but still leave the U clamps loose.



FOLLOW STEPS 6 & 7 ONLY IF YOU HAVE GIVI BRAND CRASH BARS

Step 6 Attach Front Mount Plate (GIVI Bars) Fig 6

For GIVI brand crash bars, the Front Mount Plate mounts in FRONT of the bars and the U clamps go around the bars from the BACK and are secured to the plate using two M616S bolts with 6mm lock and flat washers.

Place the washers on the bolt and then thread it through the bracket into the clamp. Repeat process for the other clamp making sure to leave these clamps loose until the skid plate is fully mounted.

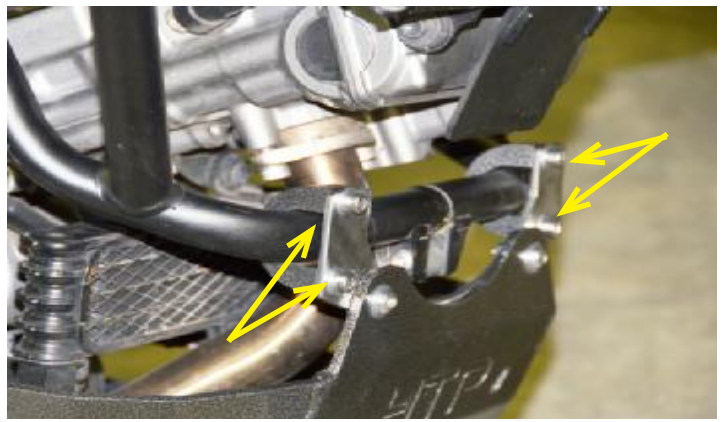


Step 7 Attach Skid to Front Mount (GIVI Bars)

Note the skid plate mounts in front of the Front Mount Plate. Place SMALL 8mm washers onto two M820B bolts. Raise the front of the skid plate into position, place both bolts through the skid plate and through the mount plate. With the back of the skid plate resting on the ground, it should stay in place so you can place another SMALL washer and M8N nut on each bolt.

Fully tighten these two M820B bolts, but still leave the U clamps loose.

Fig 7

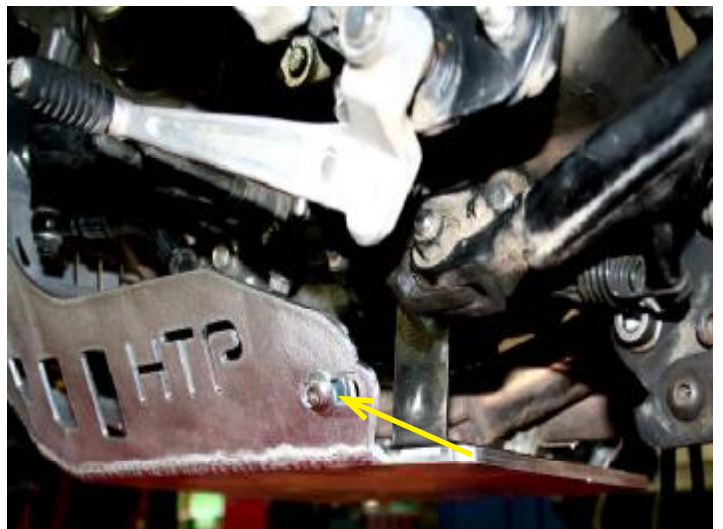


Step 8 Attach Skid Plate to Rear Mount

With the front of the skid plate in place, you can now rotate the back end up to the Rear Mount Plate. Several LARGE washers have been provided to act as shims to fill any gap between the skid plate and mount plate since the skid plate coating thickness varies slightly from plate to plate. Some may not require any shims.

Place 8mm SMALL washers on two M820B bolts. Start one bolt through the skid plate at the indicated point and install any necessary shims between skid plate and mount plate as you continue to push bolt through mount plate. Secure with 8mm flat washer and nut. Repeat process at similar location on other side using 2nd bolt. Do not fully tighten these bolts yet.

Fig 8



Step 9 Final bolt tightening

Tighten the M850C bolt shown in Figure 2 using a 13mm wrench. The M12 bolts shown in Figure 1 should have already been tightened in Step 3, but if not do so now.

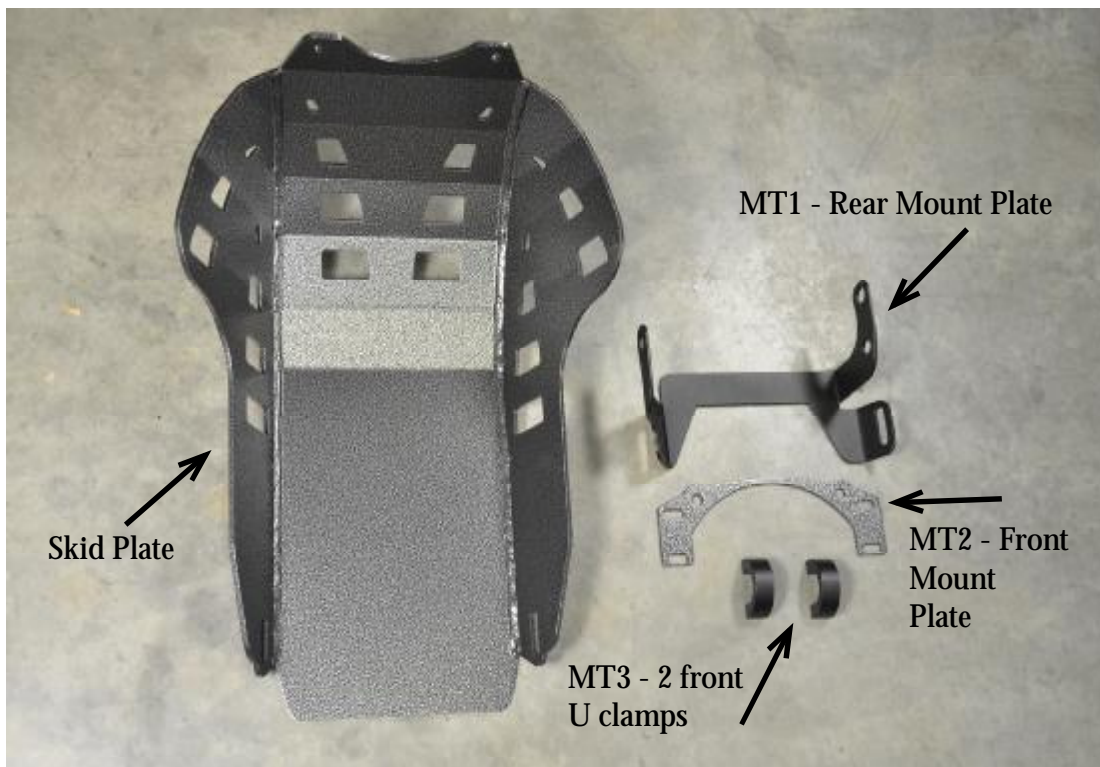
Make sure the front brackets of the skid plate are centered on the Nerf Bar Crossover and then tighten the four M616S clamp bolts indicated in Figure 7.

Push up on the bottom of the skid plate to make sure the skid plate makes contact with the Rear Mount Plate as you fully tighten the two rear mount bolts from Step 8.

Fig 9



Congratulations, you're done. Time to RIDE !!!



Recommended Tools:

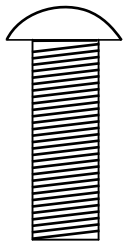
- 5mm Allen (hex) wrench
- 12mm wrench
- 13mm wrench
- 17mm socket
- Ratchet drive

Hardware List:

- (1) Skid Plate
- (2) 1" Aluminum U Clamp
- (1) Front Mount Plate
- (1) Rear Mount Plate
- (1) Bolt Kit
- (1) Instructions

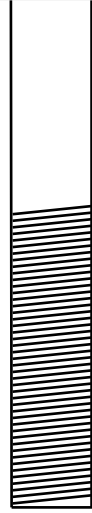
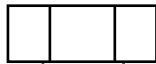


DL650 Skid Plate with Happy Trails or GIVI Guards



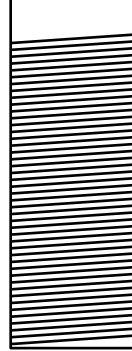
M820B

X4



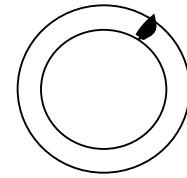
M850C

X1



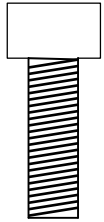
M1235C
1.25 pitch

X2



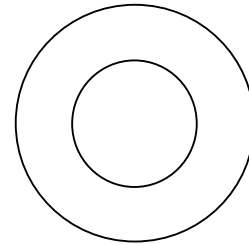
12mm Lock
Washer

X2



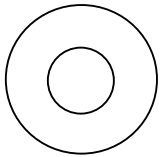
M616S

X4



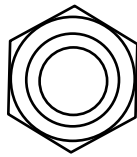
12mm FW

X2



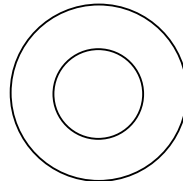
6mm FW

X4



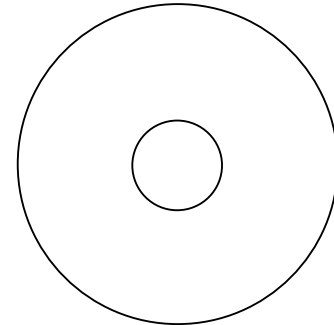
M8N

X4



8mm FW

X9



5/16"x1 1/4" FW

X5



6mm Lock
Washer

X4