

2004-16' DL650 TAIL PLATE SYSTEM HTP7-5-7



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

Note:

Leave all bolts loose until either instructed or everything is installed. This allows the product to shift and adapt to the variances from bike to bike.



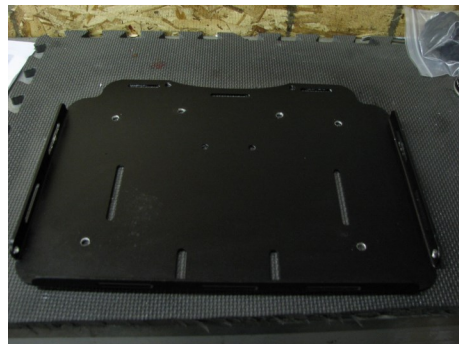
Step 1

Remove factory top rack. Reinstall M8x20 BH bolts at the front mount holding the SU rack. Install 5/16 FW before screwing them in.

Step 2

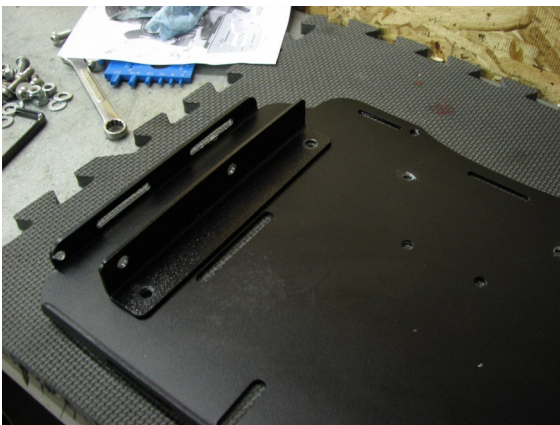
Lay the new top plate top down on a workbench with the front (curved) section facing away from you.

Install the angle adapters using 8x20 BHCS, 2 FW each, and Nylock nuts as in the photos below. Note the orientation and location of the offset side plate mounting holes. The bolts are placed from the top of the plate down.



Note:

The curved section of the tail plate faces the front of the motorcycle.



Step 3

Install the right side plate on the outside left angle adapter, with the leg facing forward as in the photo on the right.

In the same manner, install the left plate on the right angle adapter.

Leave these bolts slightly loose so you can move the plates with light force.



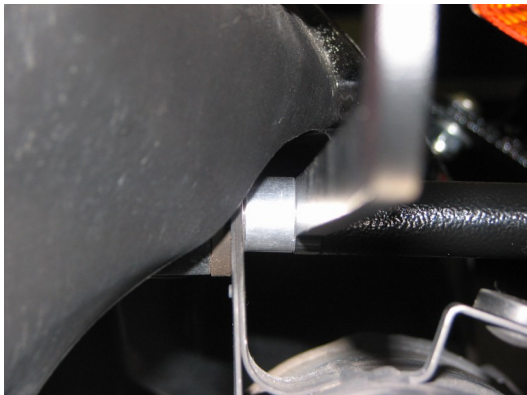
Step 4

Remove the bolt and spacer attaching the right SU rack to the muffler mounting point. This spacer will be replaced with a shorter one in the kit.



Step 5

Combine each 3/4" x 1" spacers with a 3/4" x 1/4" spacers and place them in the mounting holes in the top of the bike where the stock rack mounted. Place the new top plate on the bike and thread two M8x50 BH bolts down through the plate and spacers into the bike's frame. Leave them loose.



Step 6

Replacing the 3/4" spacer at the muffler mounting point with the 1/2" spacer provided in the kit, slide the side plate between the spacer and the SU rack. Reinstall M8 bolt and start the threads.



Step 7

Using an M8x20 BHCS, two 5/16 FW, and a Nyloc nut, attach the left plate to the tab welded on the left SU rack.

Step 8

Adjust the angle of the tail rack and make sure there are no clearance issues. When everything is lined up, tighten down all bolts. Make sure you tighten down any on the SU racks that were loosened during this install process.

You are now done installing your new tail rack.

Tools Required:

Hex Keys (Allen Wrenches)

5mm

6mm

Box end wrenches

10mm

13mm

Bolt List:

- 11 M8x20 BHCS (Button Head Cap Screw)
- 2 M8x50 BHCS
- 9 M8 NYLOCK NUTS
- 24 5/16 FW (Flat Washer)
- 1 3/4"W x 1/2"L x .319 ID Spacer
- 2 3/4"W x 1"L x .319 ID Spacer
- 2 3/4"W x 1/4"L x .319 ID Spacer



Parts List:

Top rack plate
Left and right side plates
Two Angle plates



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