



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

Step 1

Remove seat. Remove aluminum tail plate. If installed, remove the OEM luggage racks shown in Fig1

Be sure to keep the rubber rings from the mounting points under the rear tail plate.

Also save the bolts for the rear aluminum tail plate and the long rear aluminum spacers. Front short spacers will not be reused.

Step 2

Most mount points to remove the OEM racks are obvious, but the under the fender cross member is a bit tricky.

You will need to remove the rear plastic cover to gain access to the two bolts holding this brace in place as shown in Fig 2.

Replace plastic cover after removing this brace.

Step 3

Fit the left and right SU racks loosely on the bike and hold in place with the top two under the seat mount locations shown in Fig 3.

Secure using the original OEM M8x20 Torx bolts or the M825S bolts with M8 flat washers and M8 lock washers provided in the kit.

Be sure to leave these two bolts slightly loose for final alignment and fitment of other mount points.

Fig1



Fig 2

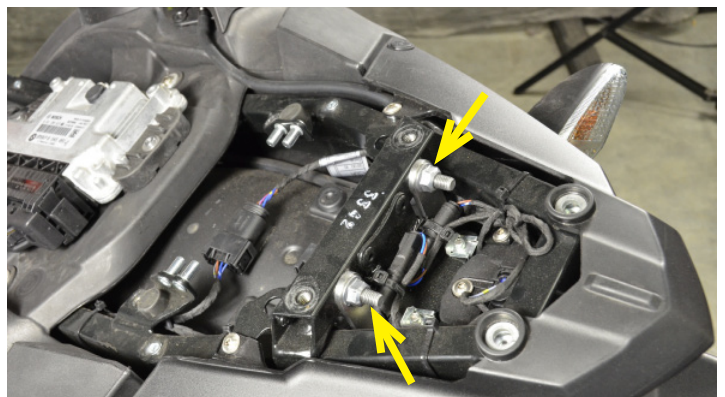
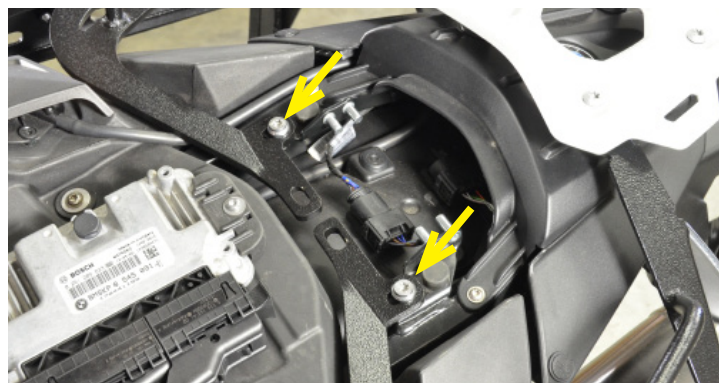


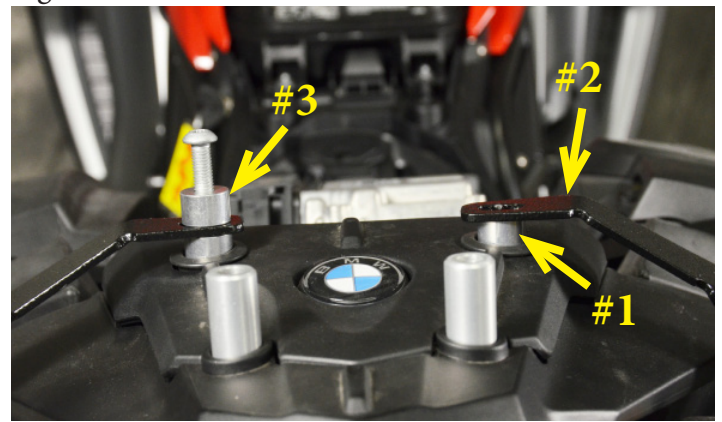
Fig 3



Step 4

Insert 3/4" aluminum spacers in the two front tail plate mount holes shown by #1 in Fig 4. The rear SU rack mount arms then go on top of these 3/4" spacers. (Arm is shown by #2 in the figure.) And finally the 1/2" aluminum spacers are placed on top of the SU mount arm as shown by #3. The bolt is shown just to hold the spacer in place, but the rear aluminum tail plate will be installed on top of these spacers before these bolts are inserted.

Fig 4



Step 5

Fig 5 shows the final assembly of the rear aluminum tail plate with all the spacers in place. Note the rear spacers are the original ones, but all the front spacers are from the kit. Also note the rear SU mount arms (#1 in Fig 5) are **between** the two spacers.

Fig 5



Secure the tail plate using the original (4) Torx head M8x55 bolts removed in step 1.

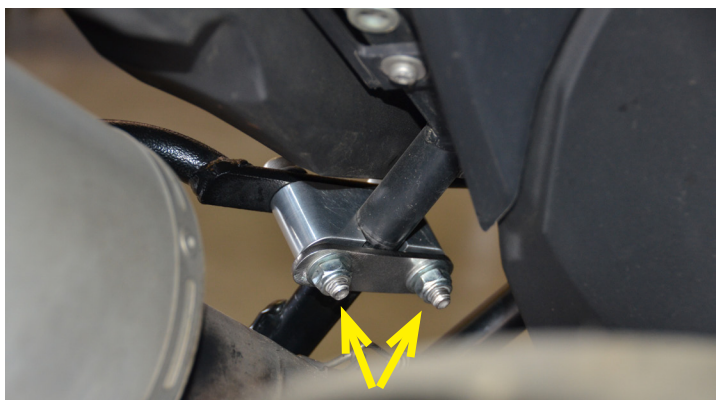
Again, leave slightly loose for final rack alignment.

Step 6

The lower mounting point of the SU rack is on the passenger peg stanchion. Place the aluminum clamp half on the outside of the stanchion, and the steel plate on the inside. Locate the clamp between the frame stanchion and the SU rack lower mounting point. Place flat washers on the M855S bolts and slide one through each mounting hole. Place a flat washer and an M8N nut on each bolt and thread them on loosely.

See Fig 6.

Fig 6



Step 7

Install rear support bumper using (4) M616S bolts, (8) M6 flat washers, and (4) M6 nuts. Leave slightly loose for final fitment.

Note the rear bumper has a slight angle to it. It should be angled down so it will be below the license plate frame. See Fig 9 for reference.

Fig 7

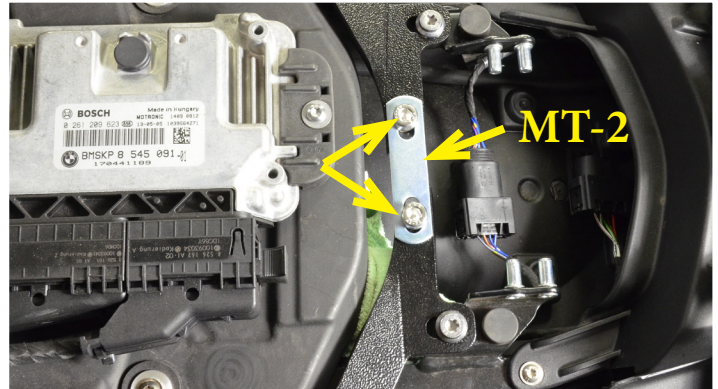


Step 8

Install the top cross member brace tab (MT-2) as shown in Fig 8 using (2) M825S bolts, (4) M8 flat washers, and (2) M8 nuts.

Note the shop rag stuffed into the cavity on top of the rear fender well but below the SU cross members. This is highly recommended as trying to fish nuts, washers, etc out of the long cavity behind the fuel tank is not something you want to do -- trust us ...

Fig 8



Step 9

After aligning the racks into the position you want, tighten all bolts to the following specifications:

M8 bolts should be tightened to 18 ft/lbs

M6 bolts should be tightened to 9 ft/lbs

Finally, replace the seat and make sure it is secure.

Fig 9



Congratulations! Your installation is complete

Recommended Tools:

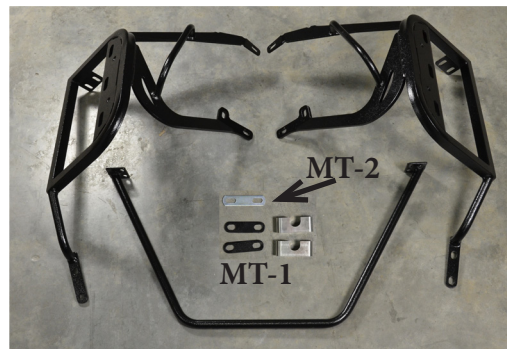
T40, 30, and 25 Torx Wrenches

5mm Allen (hex) Wrench

6mm Allen (hex) Wrench

13mm box end wrench

10mm box end wrench



Hardware List:

(2) SU Rack Sides (L&R)

(1) Rear Support Bumper

(2) Sets Aluminum clamp w/ powder coat strap. (MT-1) See bolt kit

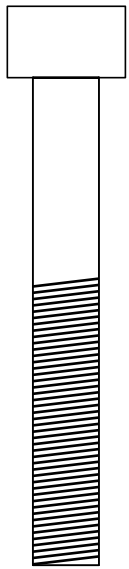
(1) Top mount steel strap/tab, (MT-2) See bolt kit



1/27/14

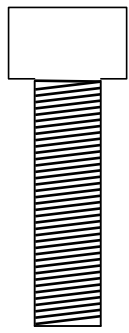
Rev. 2

JE



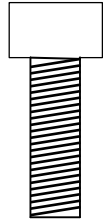
X4

M855S



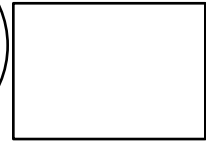
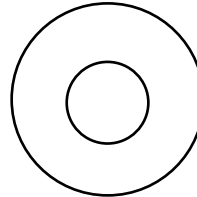
X4

M825S



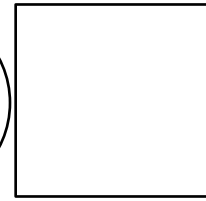
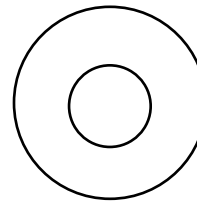
X4

M616S



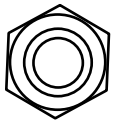
X2

OD3/4, ID .319, L 1/2 Spacer



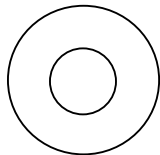
X2

OD3/4, ID .319, L 3/4 Spacer



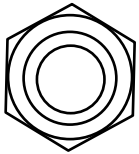
X4

M6N



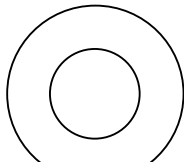
X8

M6 FW



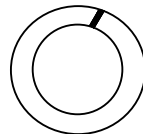
X6

M8N



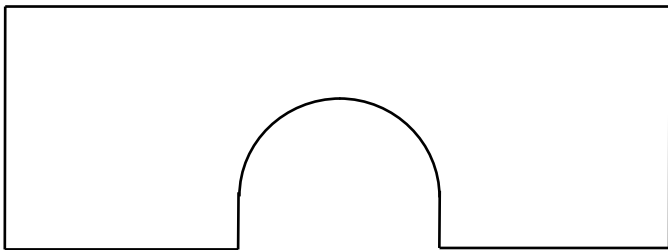
X14

M8 FW

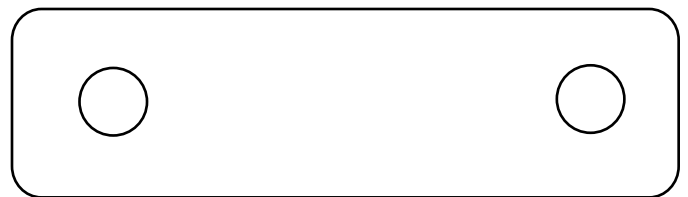


X2

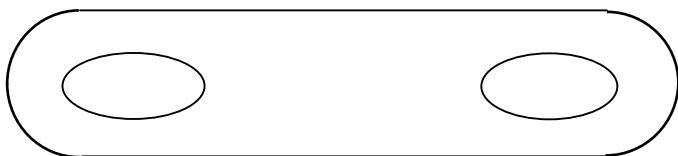
8mm Lock Washer



Non-indexed 0.8" aluminum frame clamp



X2



X2

Steel Tab 3"x0.75", Powder Coated



X1

Steel Tab 3.1x0.75", Zinc Plated (KLR U bolt strap)