



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 1-208-377-8771 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.

PLEASE NOTE: The center stand comes assembled with pivot and spring attachment bolts already tightened to the proper specifications. Please do not adjust preassembled bolt torques.

Step 1

Locate attachment holes on both the center stand as well as the frame of the motorcycle. **Be careful to use the correct holes on the frame.** See arrows in Fig 1.2

Attachment holes on the frame are found under either side of the motorcycle near the rear shock (Fig 1.2). Note: The threads in the aluminum boss on the frame can have paint in them and cause threading issues. **Suggest running the bolts in by hand first to check for this issue and correct if necessary before trying to bolt up the center stand.**

Attachment holes on the center stand are located at the front of the stand as indicated by the arrows in Fig 1.1.

Step 2

Locate and remove the following hardware from the included bolt kit: (Fig 2)

- One 10x40mm Flange Head bolt
- One 8x40mm bolt
- One 8mm star washer
- One 8mm flat washer
- Two 12.7mm (1/2") spacers

Note: We recommend the use of Loctite for these mounting bolts

Step 3

When necessary hardware has been set aside, move to the side of the motorcycle nearest the side stand (Left Side). Place the 8mm star washer and then the 8mm flat washer onto the 8mm bolt. Set the bolts, washers and spacers nearby as they will be necessary soon. Using one hand, lift the center stand into position, aligning the mounting holes on the center stand with the mounting holes on the frame. Using the other hand, insert the 8x40mm bolt with washers into the TOP attachment hole. Place one 12.7mm long spacer behind the bolt and begin threading it into the TOP mounting point.

Continued on next page ...

Fig 1.1

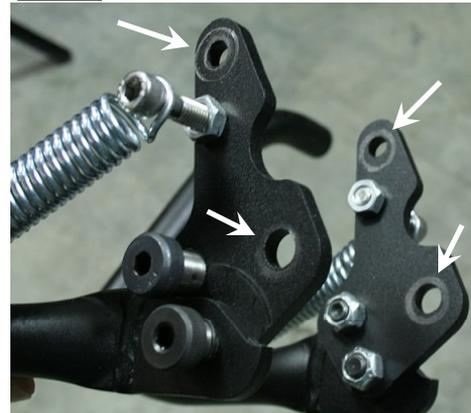


Fig 1.2

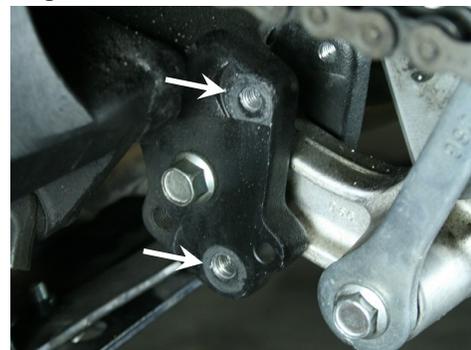


Fig 2



DL-650 CENTERSTAND

HTP7-5-16

Step 3 continued

Using a free hand support the center stand to ensure unnecessary pressure is not placed on the 8x40mm bolt. Once the top bolt has begun to thread into the hole, insert the 10x40mm Flange bolt into the BOTTOM mounting hole on the center stand. Slide one 12.7mm long spacer behind the bolt and thread it into the hole by hand. Do not completely tighten either bolt as the center stand may bind into an incorrect position (Fig 3).

Fig 3



Step 4

Move to the opposite side of the motorcycle (right side) to continue installation. Clearance is limited on this side of the motorcycle due to the position of the exhaust headpipe, although installation is similar on both sides (Fig 4).

Fig 4



Place a 8mm star washer and flat washer onto the 8mm bolt. Using one hand, lift the center stand into position, aligning the mounting holes on the center stand with the mounting holes on the frame. Unlike the previous side, insert the 10mm bolt into the BOTTOM mounting hole on the center stand first. Slide on one 16mm long (5/8") spacer and any necessary extra flat washers to fill the gap behind the bolt and thread it into the hole by hand.

Next, insert the 8mm bolt with washers into the TOP attachment hole. Place one 16mm long spacer and extra flat washers if necessary behind the bolt to help fill the gap (same quantity as 10mm bolt) and then begin threading the bolt into the TOP mounting point. This may be difficult due to clearance issues with the headpipe.

Fig 5



Step 5

Using a 7" 6mm Allen wrench, or a 6mm Allen socket and 7" ratchet extension, reach between the frame and rear master cylinder rod to tighten the top mounting bolt. (Fig 5)

Note a "ball head" hex socket makes this step easier.

Step 6

You may now tighten all four connecting bolts. Tighten only these four bolts. DO NOT TIGHTEN OTHER CENTERSTAND PIVOT OR SPRING BOLTS SINCE THEY WERE SET AT THE FACTORY.

The four mounting bolts should be tightened to the following specifications:

- 8X40mm (TOP) bolts to 17ft/lbs
- 10x40mm (BOTTOM) bolts to 34ft/lbs

When bolts have been torqued to the specifications listed, the center stand is ready for use.

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IMPORTANT USE NOTE:

This stand is designed to be a work stand. It is not a ride off stand. It is designed to carry the load of the bike and luggage only. **Do not sit on the bike with it on the center stand.**

IMPORTANT OPERATION NOTE:

The side stand **MUST** be deployed to either extend or retract the center stand. Remember side stand down **FIRST**, then operate center stand up or down.



Hardware List:

- (1) Assembled Stand
- (1) Mounting Bolt Kit

Recommended Tools:

6mm Allen wrench at least 7" long, or 6mm Allen wrench socket with 7" extension

8mm Allen wrench



Bolt List:

- | | | | |
|---|--|---|-------------------|
| 2 | M8x40 12.9 Hardened bolts | 2 | 8mm star washers |
| 2 | M10x40 1.25TP Hardened Flange Head bolts | 4 | 8mm flat washers |
| 2 | 16mm L x 19mm OD x 10.2mm ID spacers | 2 | 10mm flat washers |
| 2 | 12.7mm L x 19mm OD x 10.2mm ID spacers | | |

