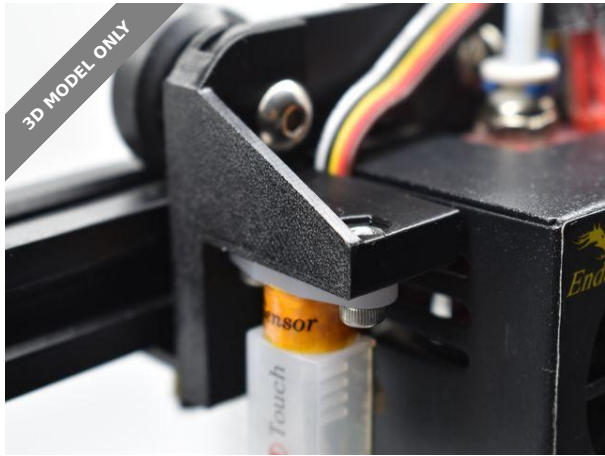




Ender 3 BLTouch Mount



Ludvig Broomé

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updated 3. 3. 2023 | published 3. 3. 2023

Summary

Fits the BLTouch and 3DTouch for Ender 3 or Ender 3 PRO

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Special features

- The Extruder Fan Cover can be removed independently (no need to also remove the BLTouch mount), thus maintaining the probe Z offset
- Optimized cable placement.
- Small and sturdy design.

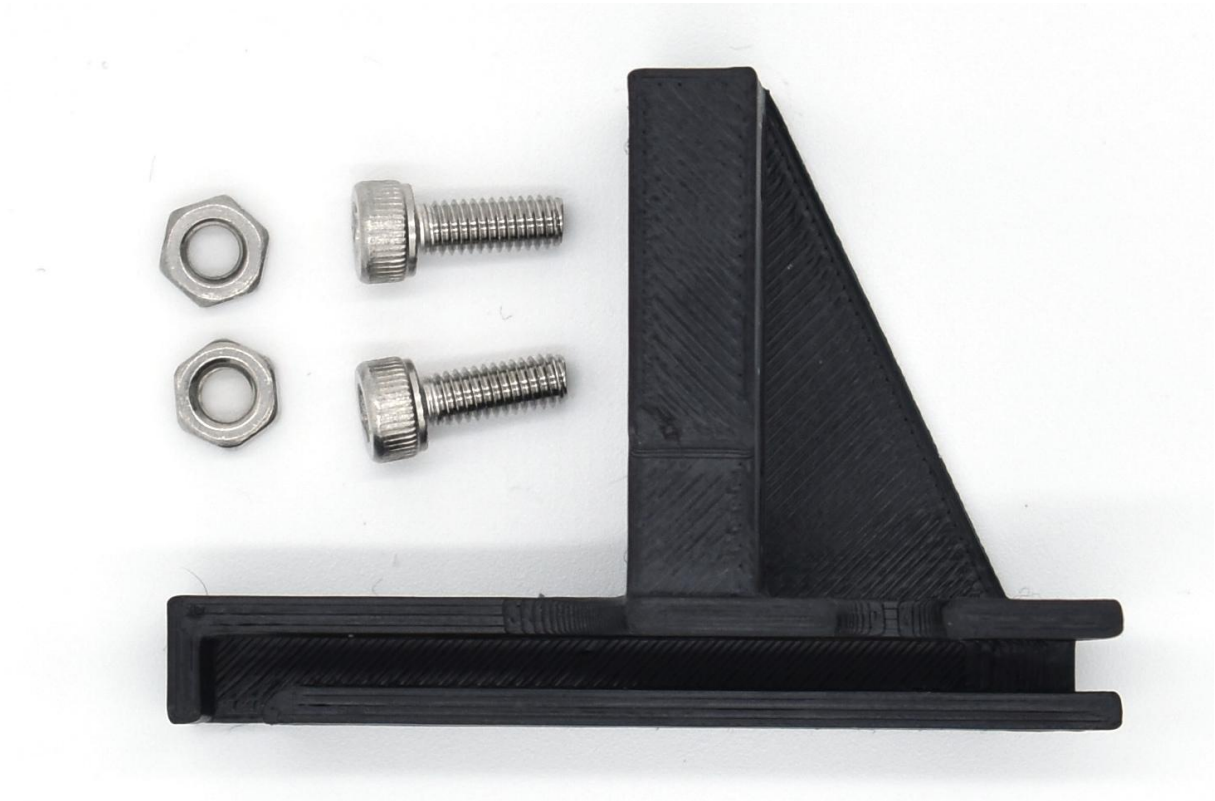
Updates

3 February 2023 - Lowered the mount by 1.5 mm for more optimal BL-Touch height

Part list

- BLTouch-Mount (1x)
- M3n nut (2x)

- M3x8 screw or longer (2x)



Assembly instructions

Step 1 Nut insertion

- Insert the two M3n nuts in the BLTouch-Mount.
- Pull the nuts with a screw to ensure proper insertion.



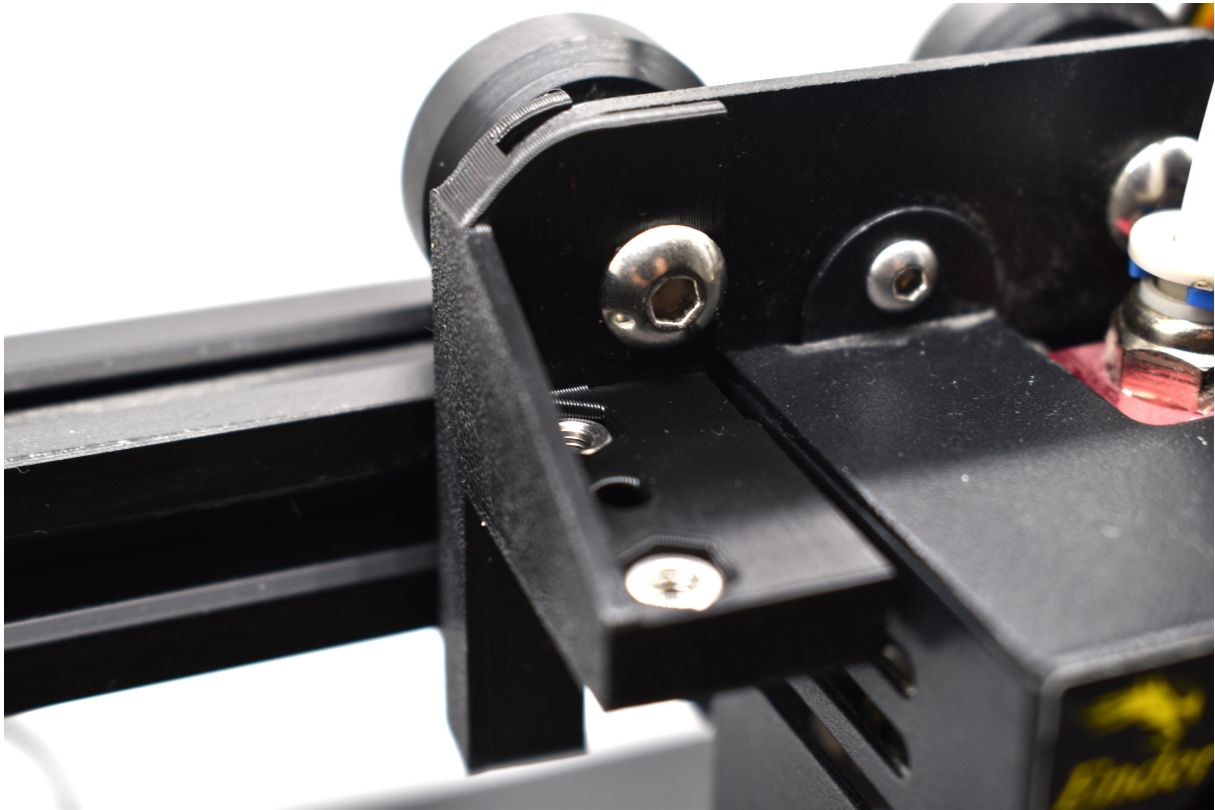
Step 2 Ender 3 preparation

- Using a wrench and an allen key, unscrew the top left screw enough to slide the BLTouch-Mount in.



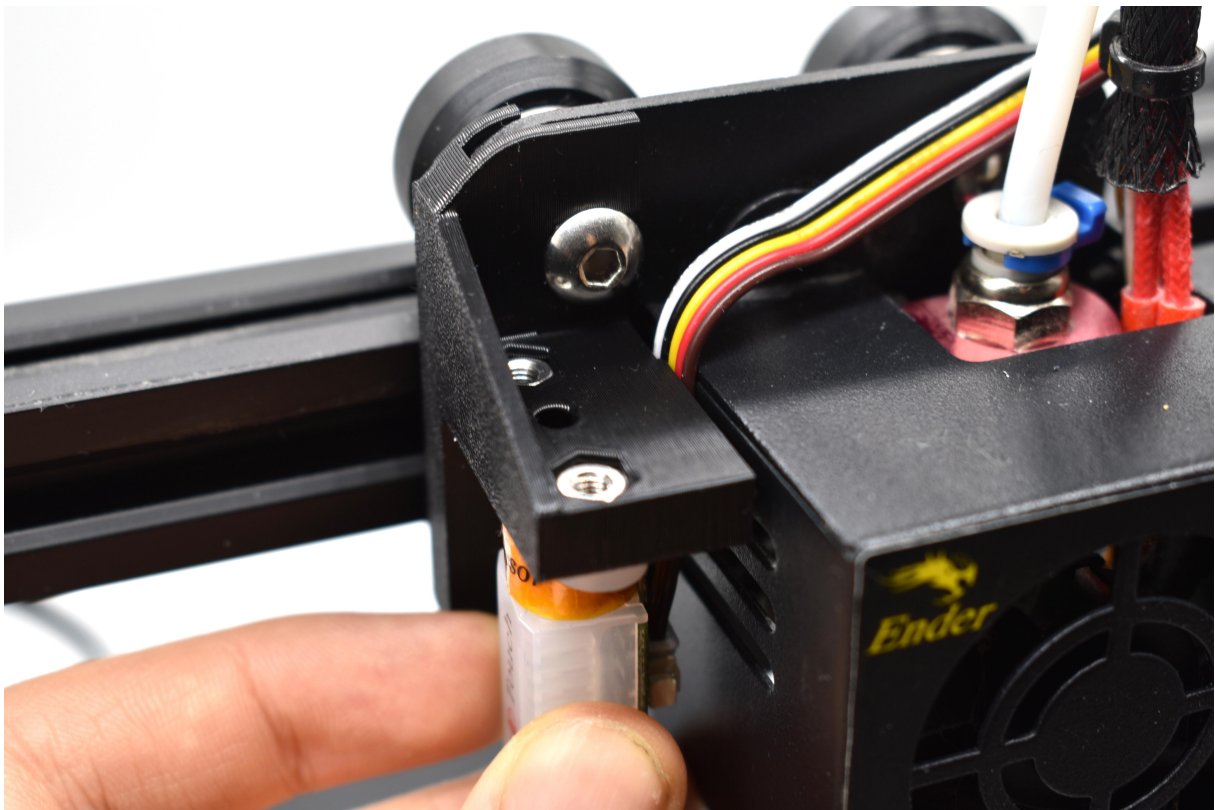
Step 3 Mount installation

- Install the BLTouch-Mount by sliding it in to place.
- Secure it in place by tightening the previously untightened screw.



Step 4 BLTouch preparation

- Slide the BLTouch wire through the slot in the picture.
- Align the holes on the BLTouch with the ones on the mount.



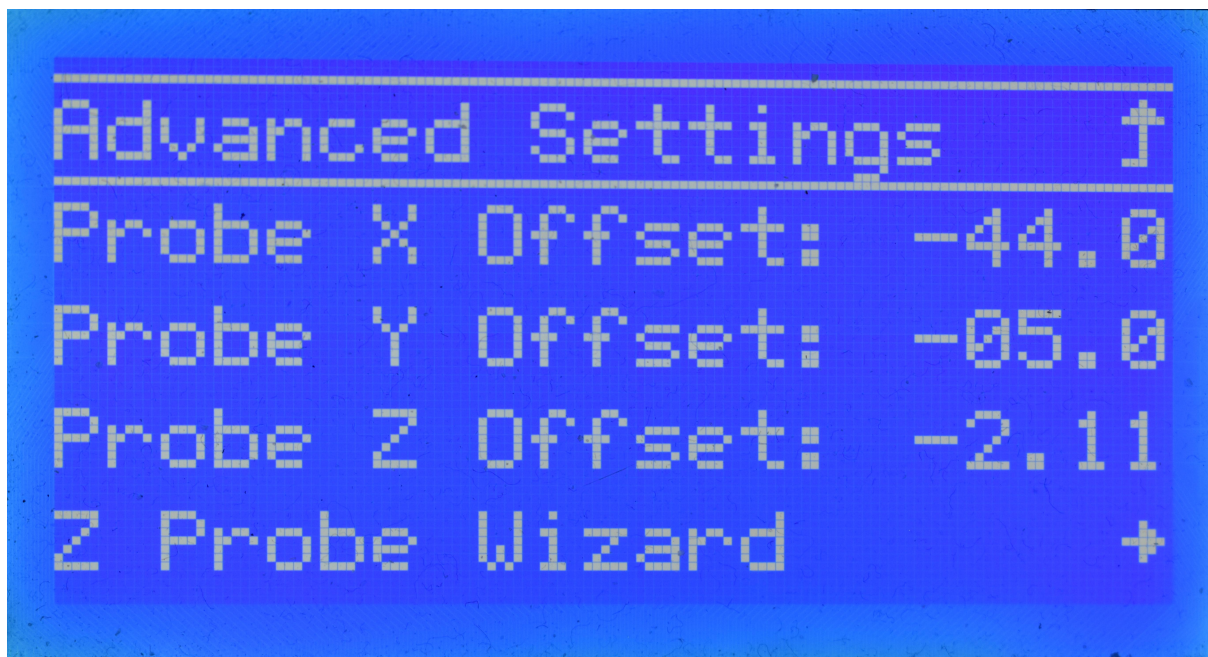
Step 5 BLTouch installation

- Secure the BLTouch with the two M3x8 screws.
- If you encounter any extruder-wobble, adjust the eccentric nut on the bottom wheel with a wrench.



Step 5 Probe offset

- Change the probe X offset to -44.0.
- Change the probe Y offset to -5.0.
- The offsets can also be applied in the printer's configuration.h file (marlin).

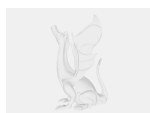


Please post a make if you liked the model!

Model files

bltouch-mount-new.stl

bltouch-mount-old.stl



bltouch-mount.stp

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