



Cassette Tape Fixture

Assembly / Installation Guide

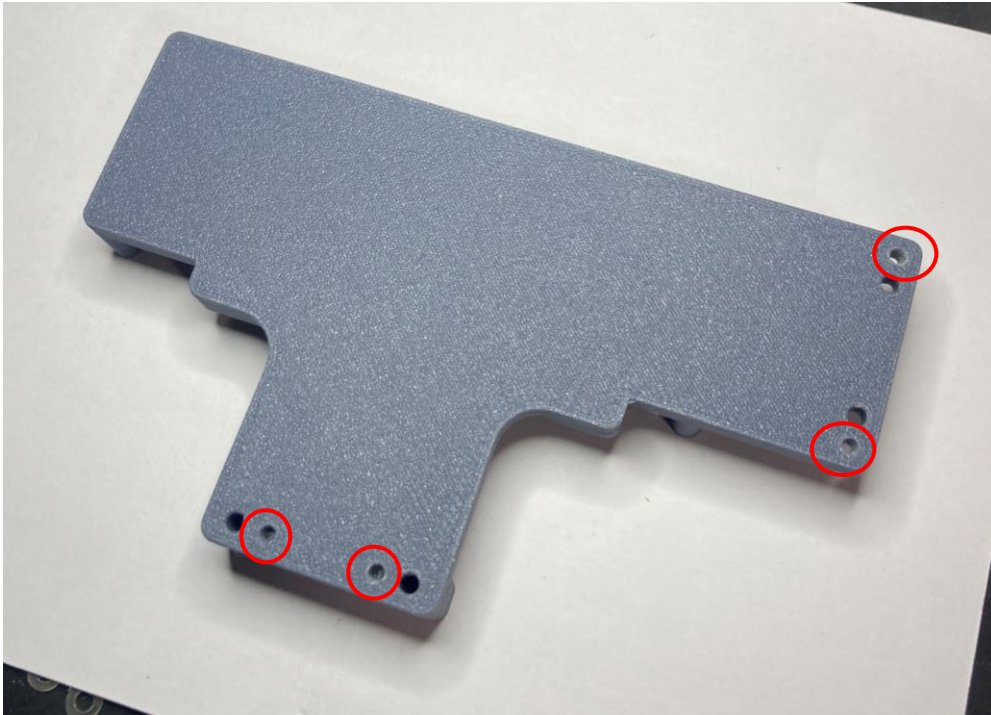
By: Geoffrey Gao
02/2024

Bill of Materials

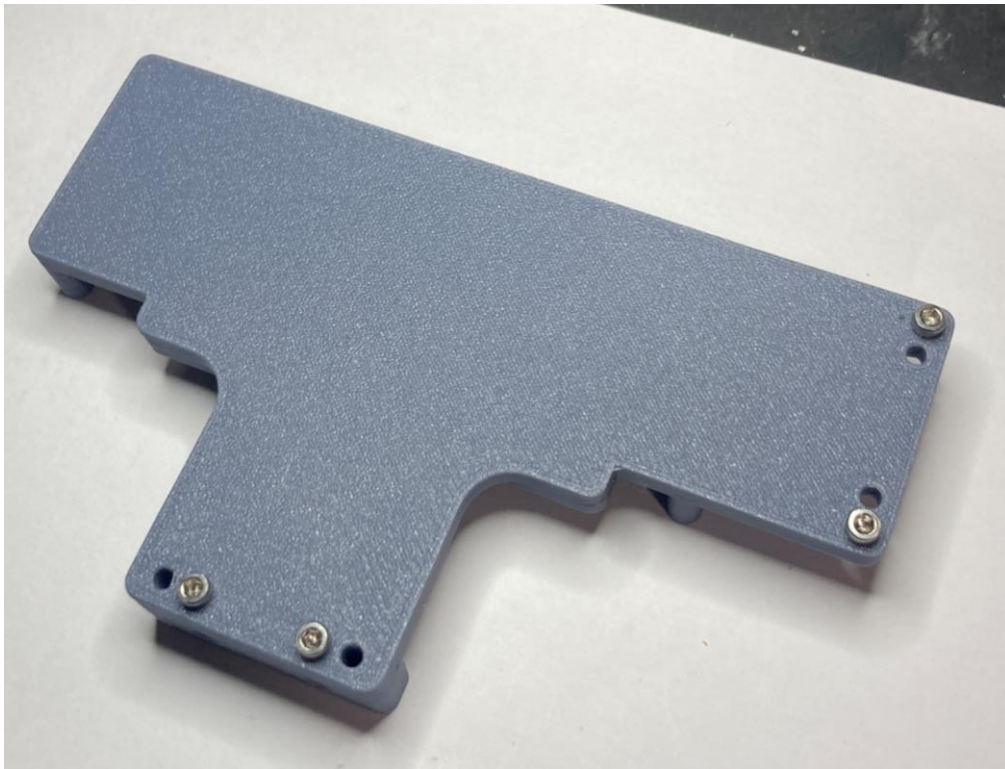


| # | Name | QTY |
|----|---|-----|
| 1 | Base, Cassette Fixture | 1 |
| 2 | Holder, Cassette Fixture | 2 |
| 3 | Mount, X Axis | 1 |
| 4 | Mount, Y Axis | 1 |
| 5 | Socket Head Cap Screw (M3 x 4mm) | 4 |
| 6 | Socket Head Cap Screw (M3 x 30mm) | 4 |
| 7 | M3 Nut | 4 |
| 8 | Socket Head Cap Screw (M4 x 20mm) | 4 |
| 9 | Compression Spring – 0.5mm Dia x 7.5mmOD x 15mm | 4 |
| 10 | M4 Nut | 4 |

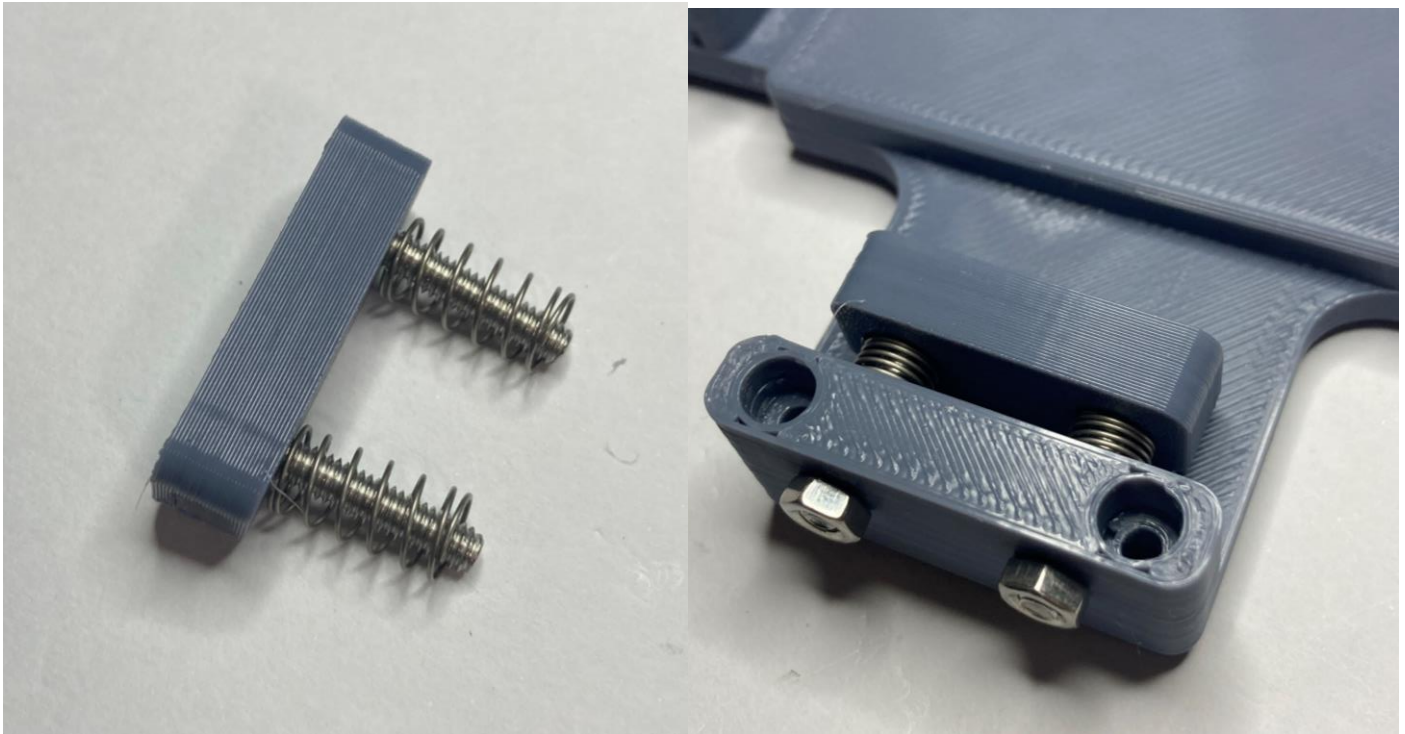
Assembly Instructions



1. Tap the noted holes with an M3 Tap



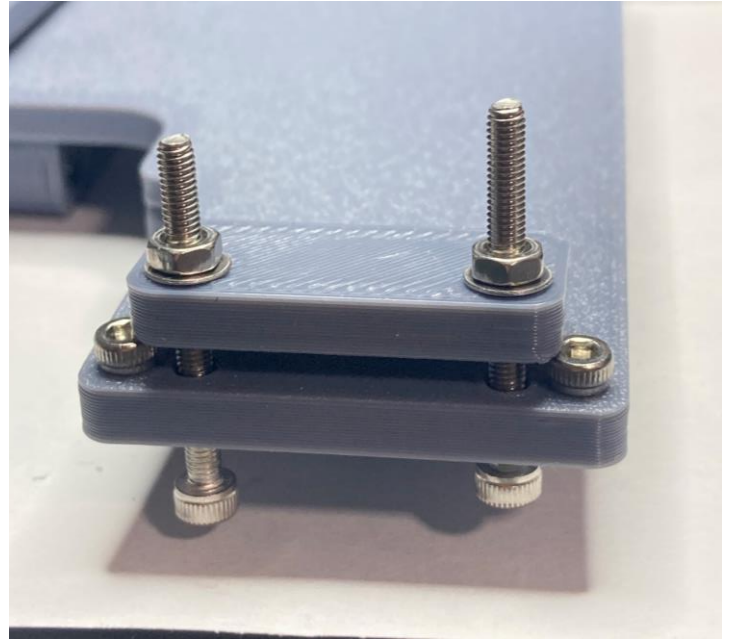
2. Install M3 x 4mm Screws in the holes that were just tapped



3. Install the Spring Loaded Holder as shown above using the M4 screw, Compression Spring, and M4 Nut

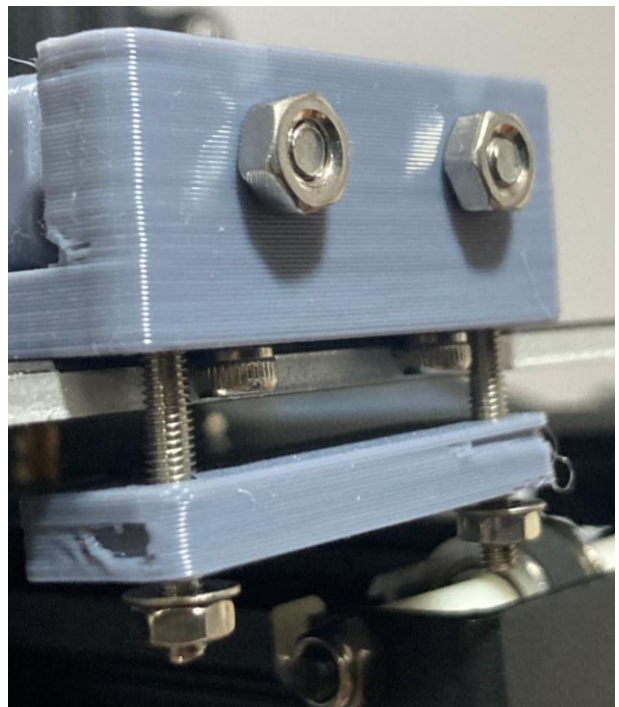
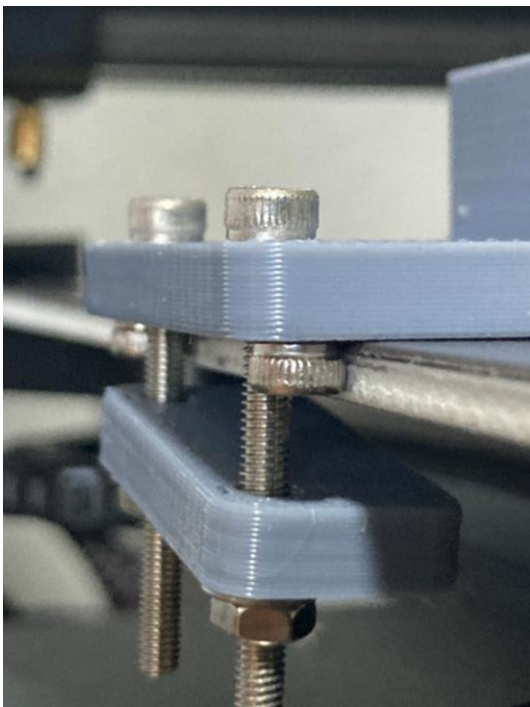


4. Repeat for the other side



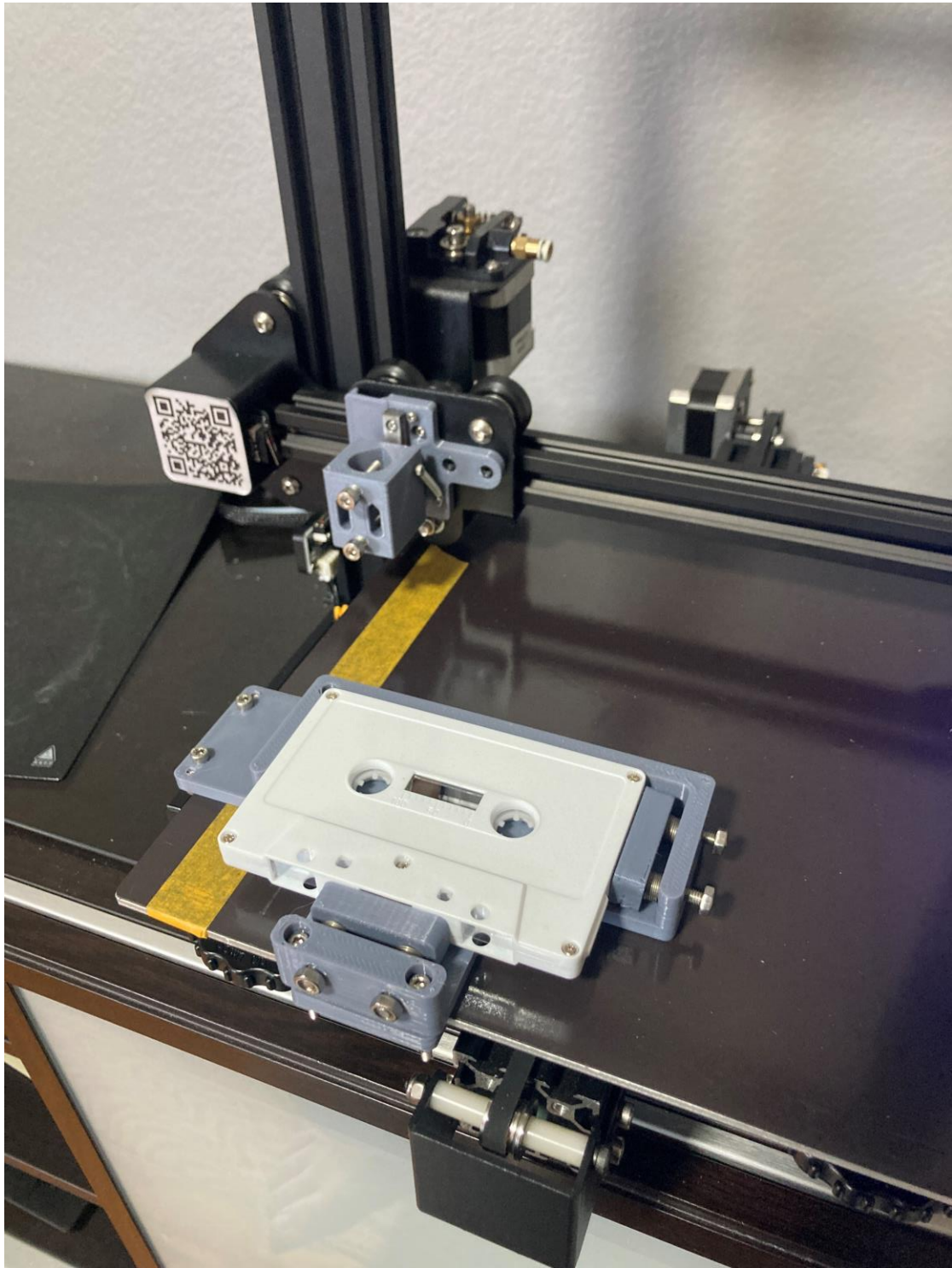
5. Install the axis mount part on both sides using the M3 screws and nuts.

Note the axis mounts go on the bottom side of the base part



6. Install on the Ender 3 Baseplate

Remove the FEP sheet, align the assembly using the M3 screw heads, and tighten the axis mounts from the top



Installation is complete!

Setup Instructions



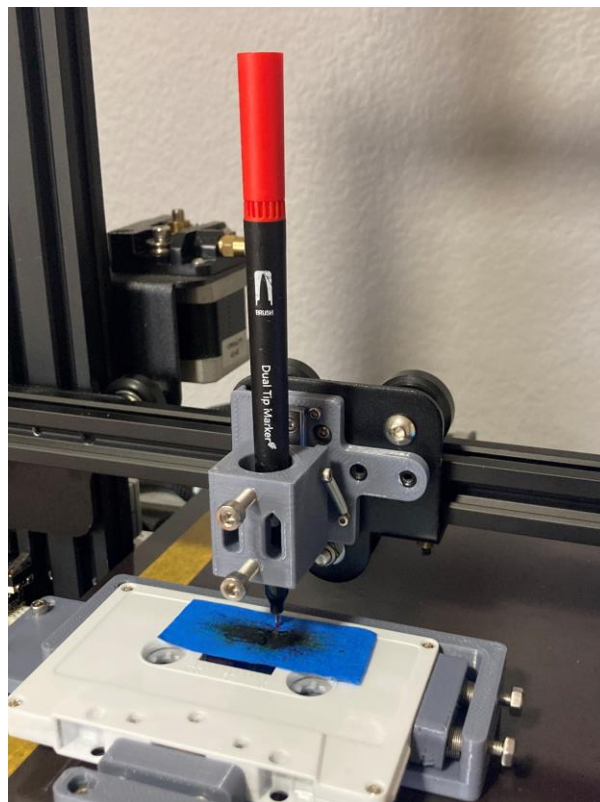
1. Auto home the system and Move Z to +15mm



2. Select “Set Home Offsets” to set the Z 0 position to the current position



3. Move Z up +0.5mm, then Disable Steppers



4. Install the pen as you would normally, ensuring contact of the pen against the surface when tightening. Then, auto home. You are now ready to print!