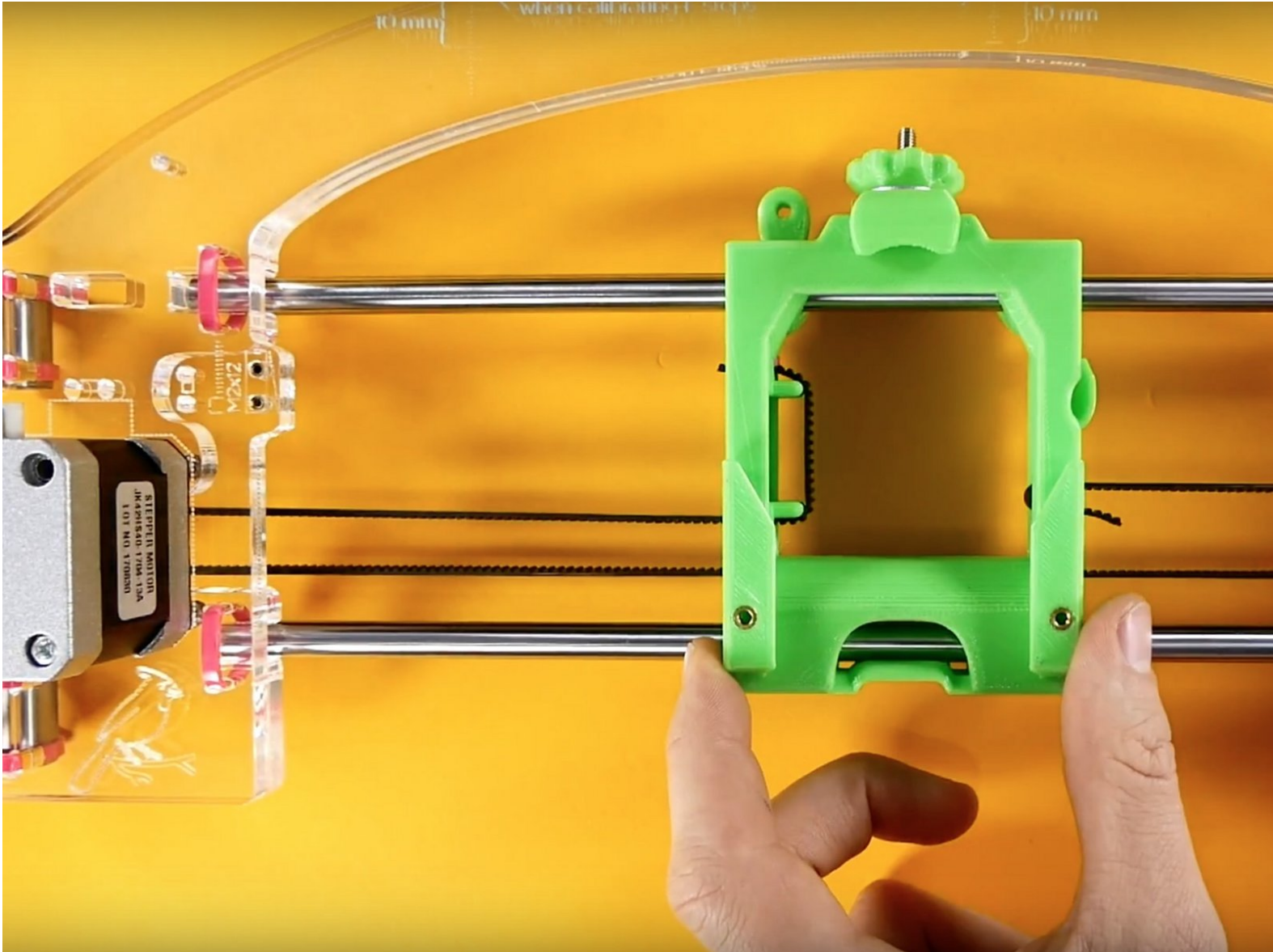




X Assembly Mechanics

X Assembly Mechanics

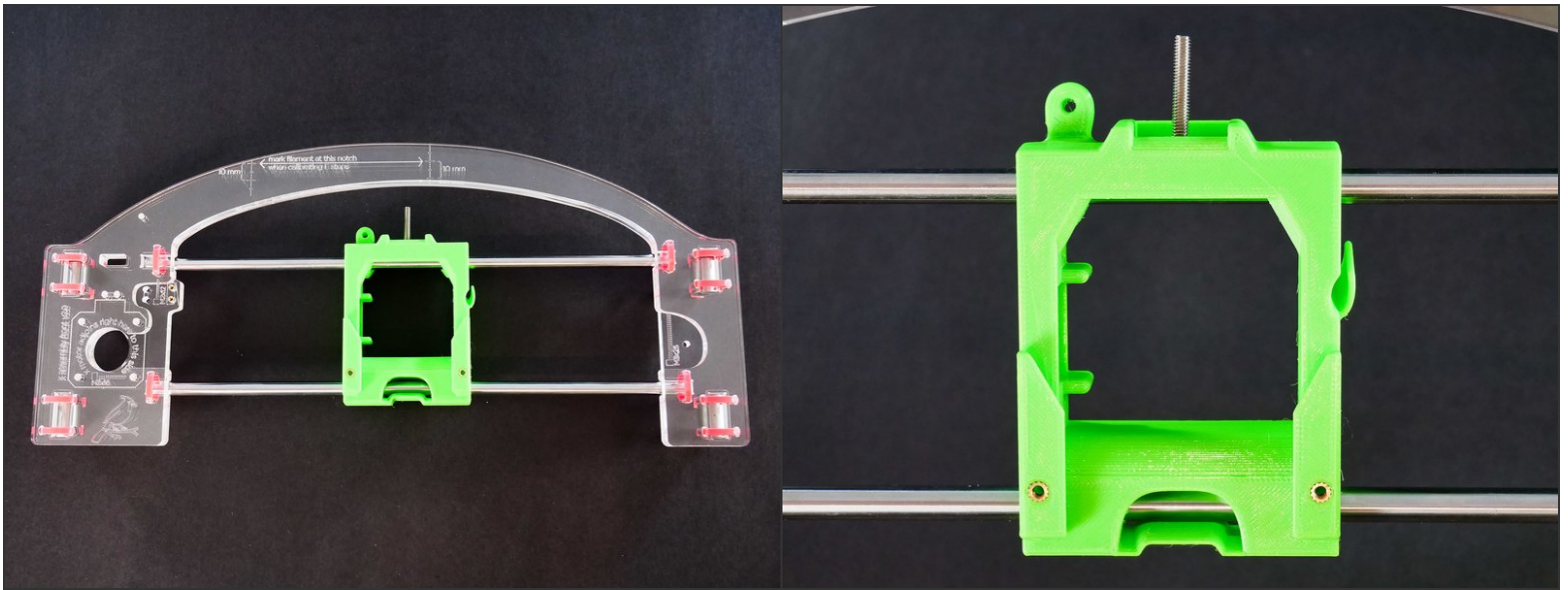


INTRODUCTION

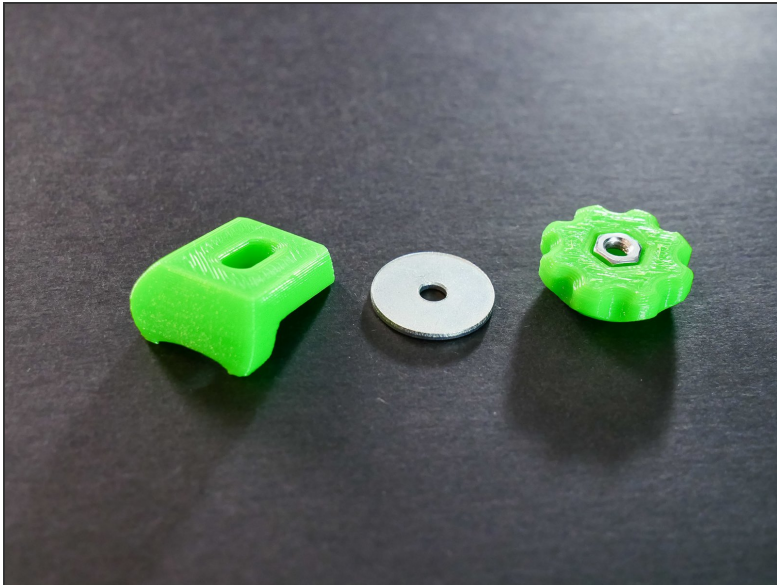
Not the guide you are looking for?

Go back to the [← Easy Kit Build Flow.](#)

Step 1 — ↳ Quick Release Clamp



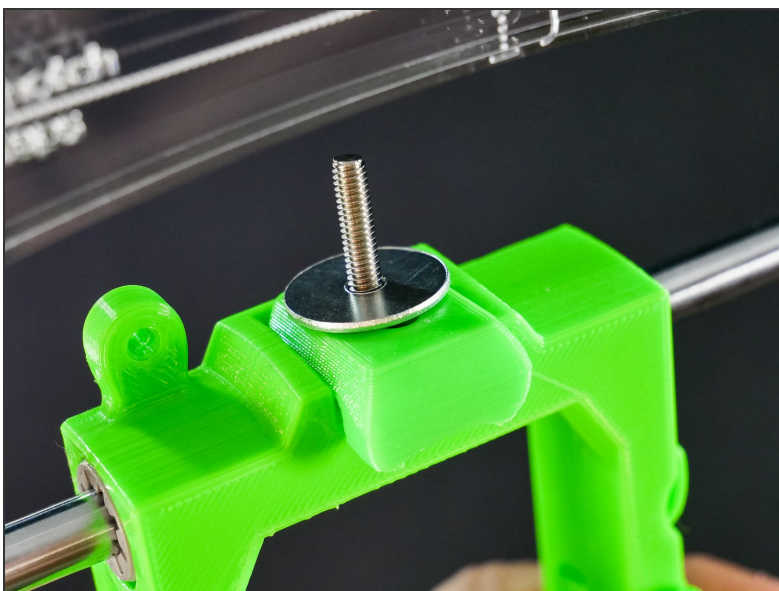
Step 2



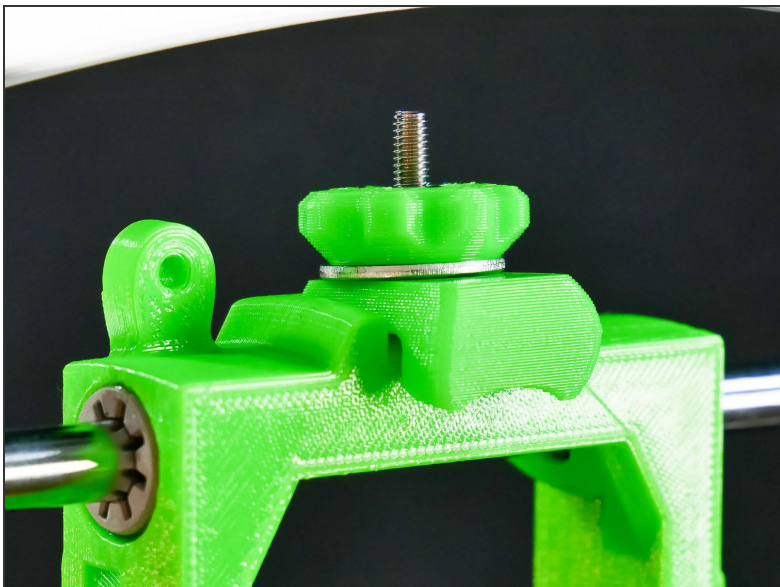
Step 3



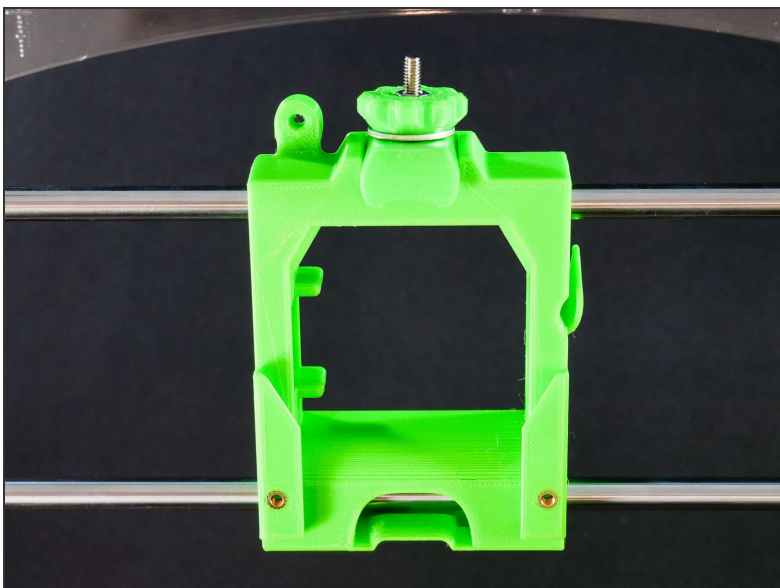
Step 4



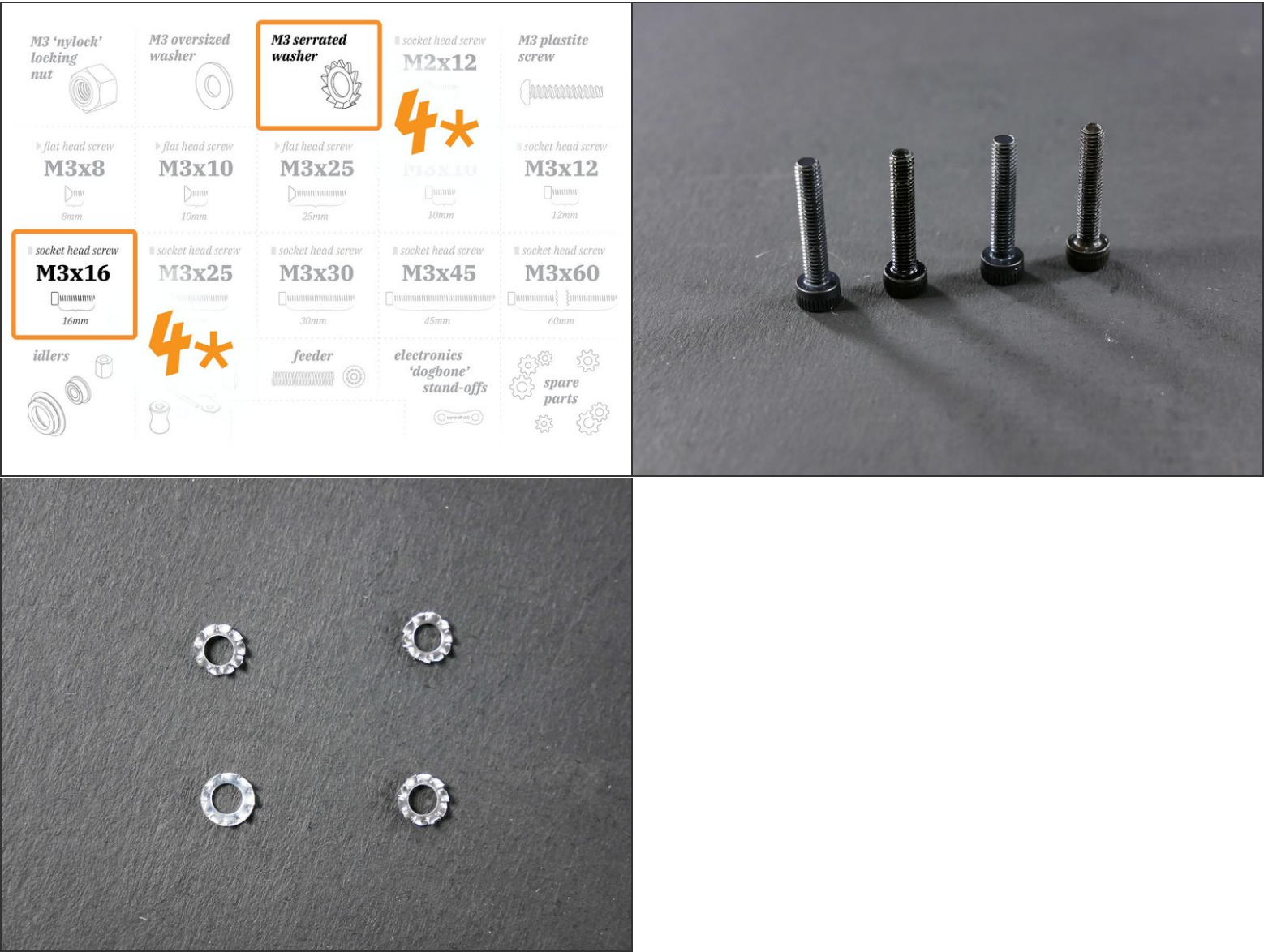
Step 5



Step 6 — It's done!

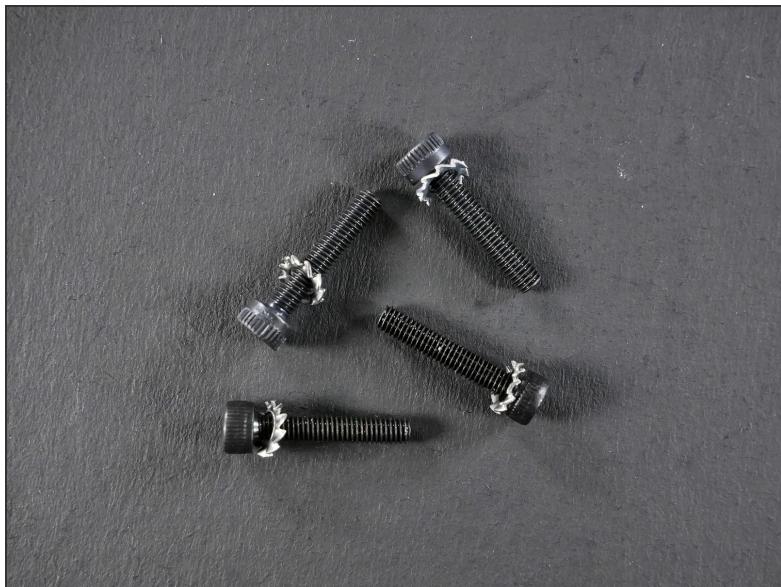


Step 7 — ↪ X Motor



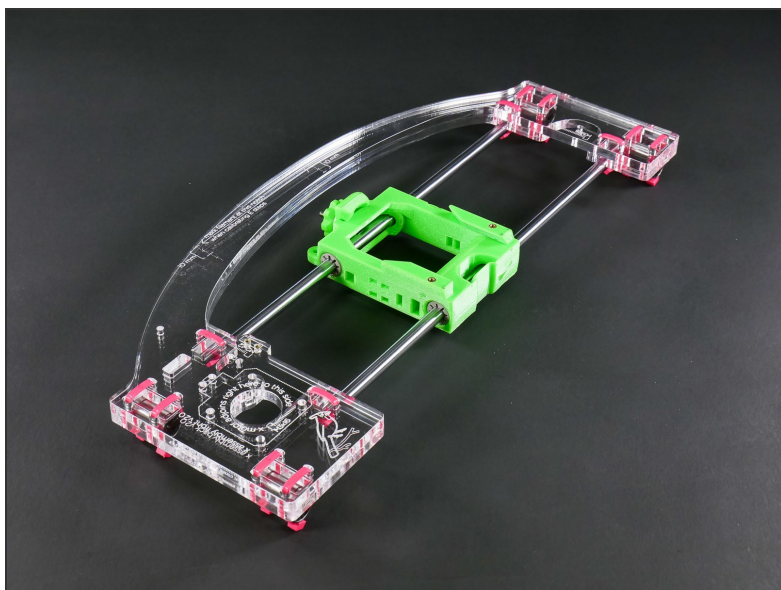
● M3x16

Step 8



- M3x16

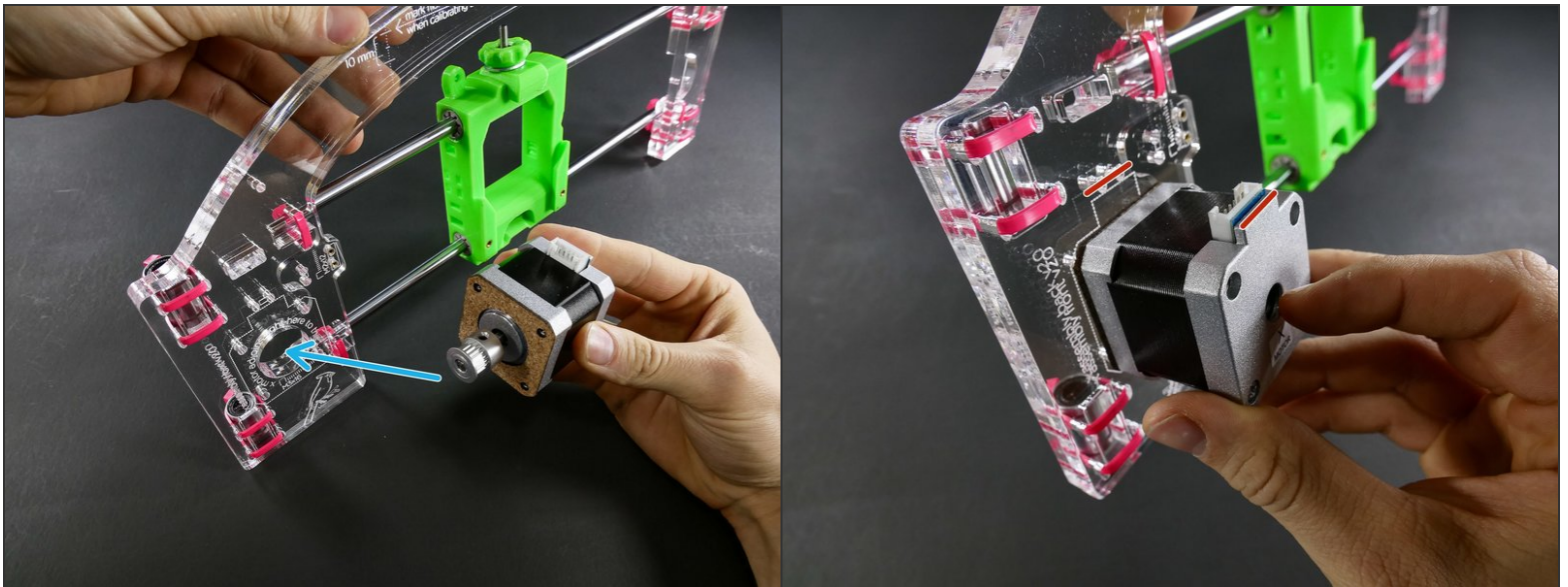
Step 9



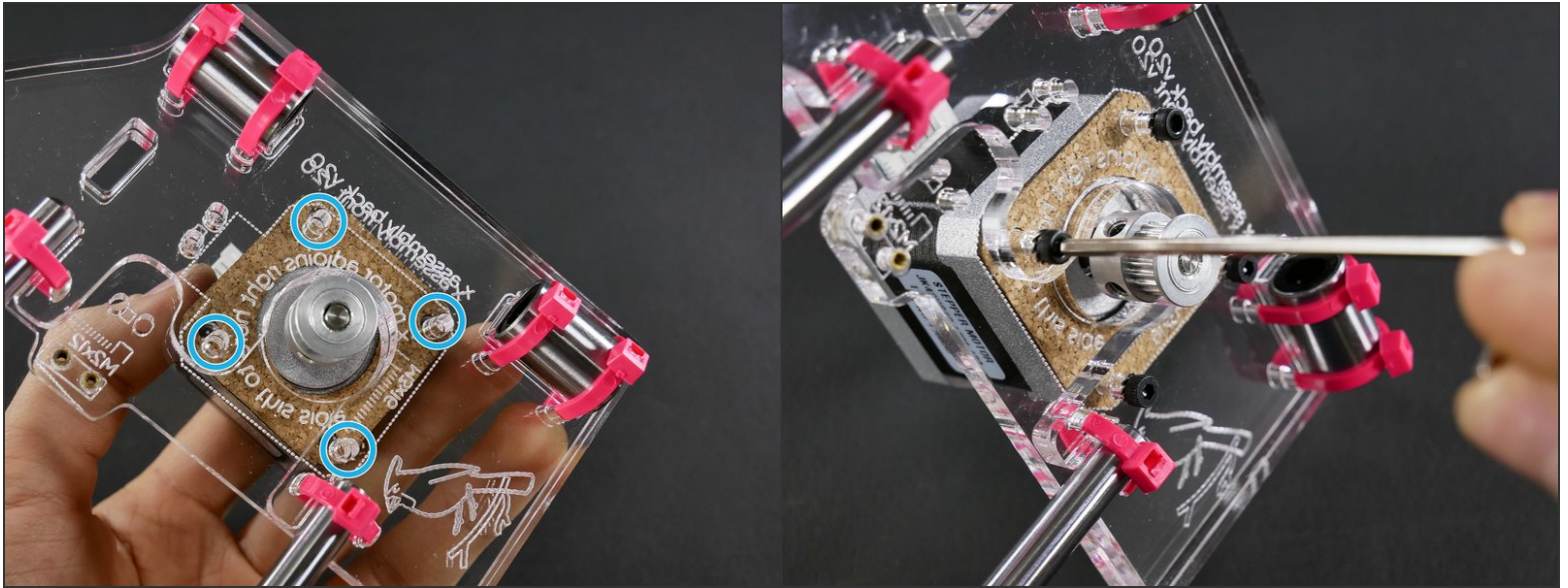
Step 10



Step 11

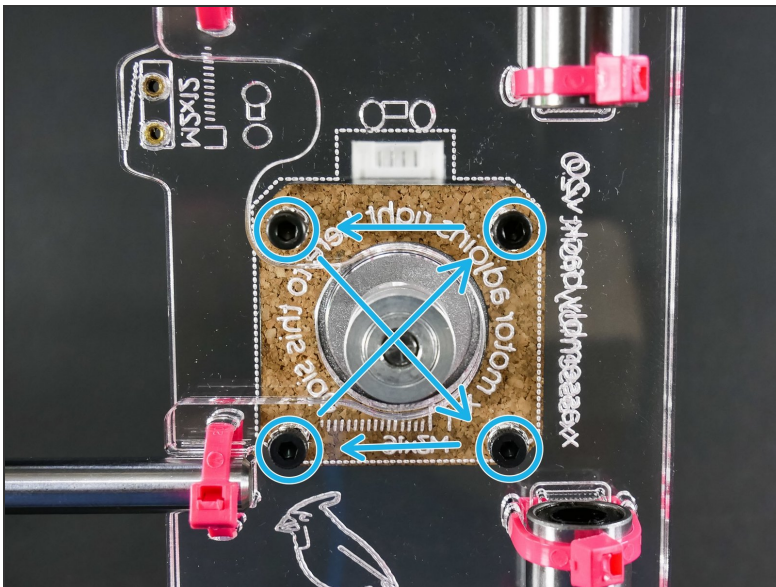


Step 12



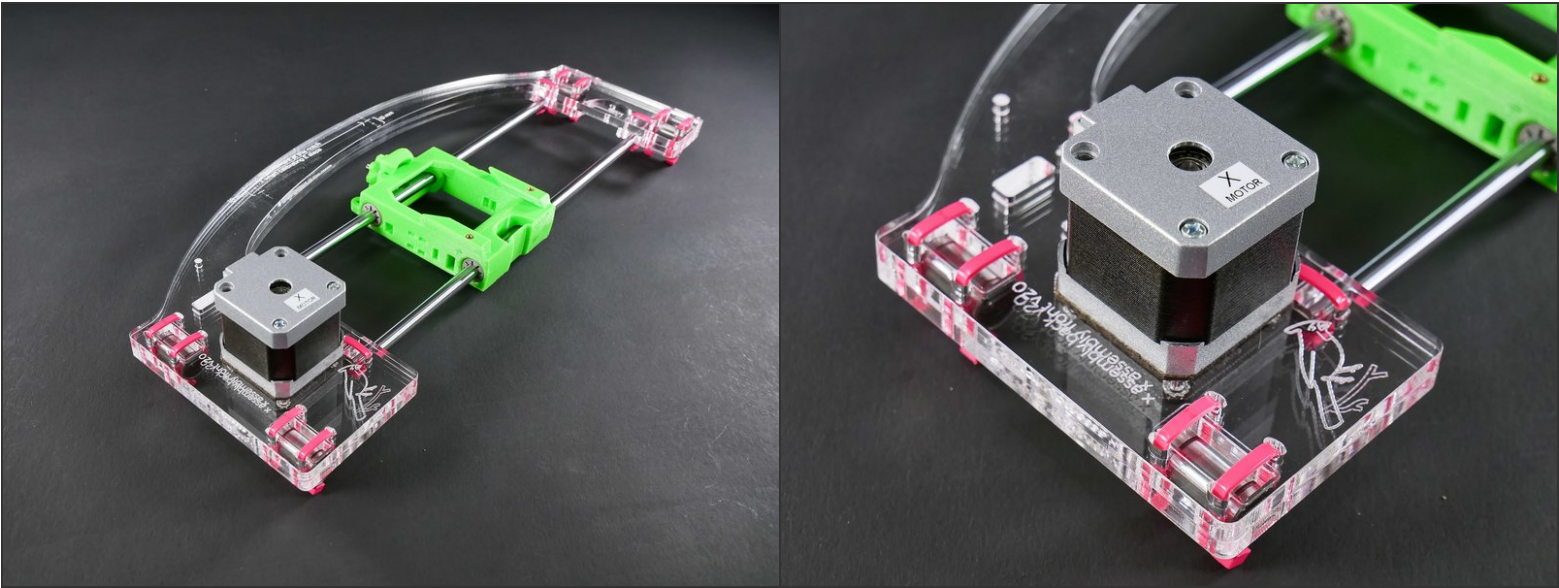
- M3x16

Step 13 — ✂ Technique: Cross Tightening



- Avoid alignment issues by tightening the screws **little by little in a diagonal pattern**.
- This is called "cross-tightening", and you should do it *every time** you have more than one screw to tighten.
- * *even when you're not building a JellyBOX*
- Fancy a [▶ VIDEO?](#)

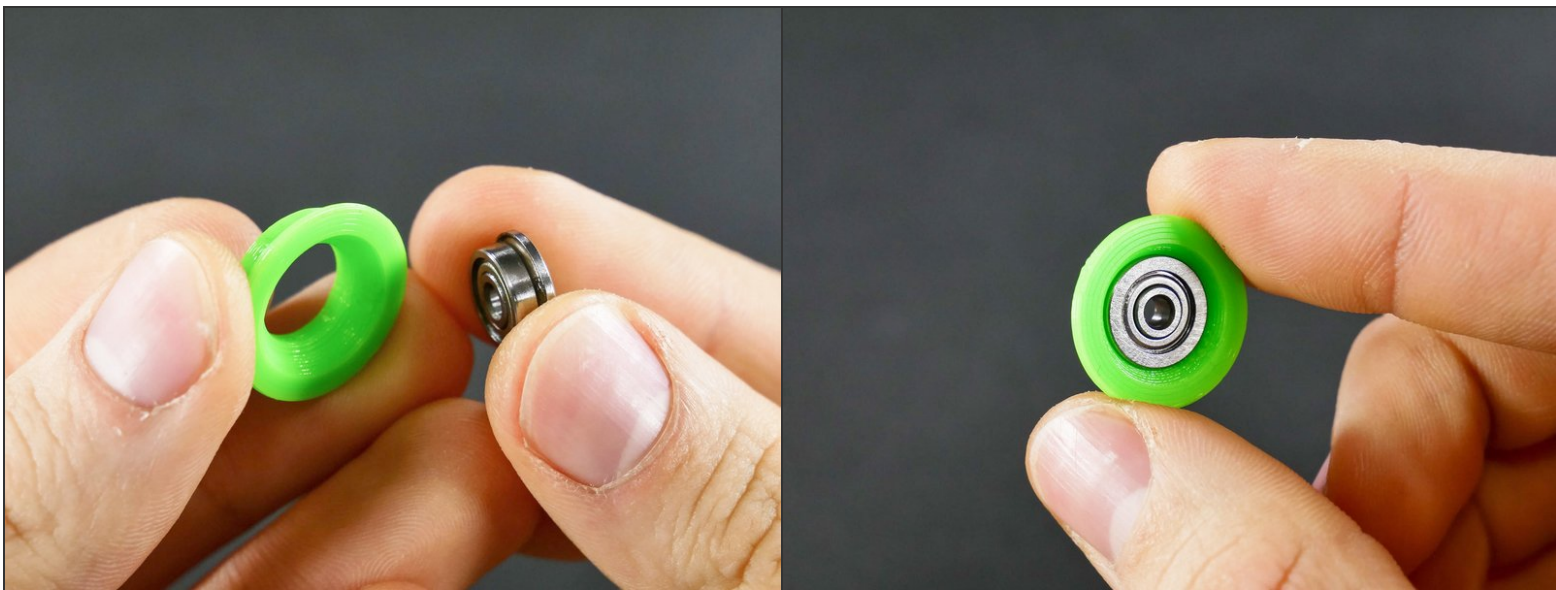
Step 14 — It's done!



Step 15 — ↳ Prep an Idler

M3 'nylock' locking nut 	M3 oversized washer 	M3 serrated washer 	socket head screw M2x12 12mm	M3 plastite screw
flat head screw M3x8 8mm	flat head screw M3x10 10mm	flat head screw M3x25 25mm	socket head screw M3x10 10mm	socket head screw M3x12 12mm
socket head screw M3x16 16mm	socket head screw M3x25 25mm	socket head screw M3x30 30mm	socket head screw M3x45 45mm	socket head screw M3x60 60mm
idlers 	2* 	feeder 	electronics 'dogbone' stand-offs 	spare parts

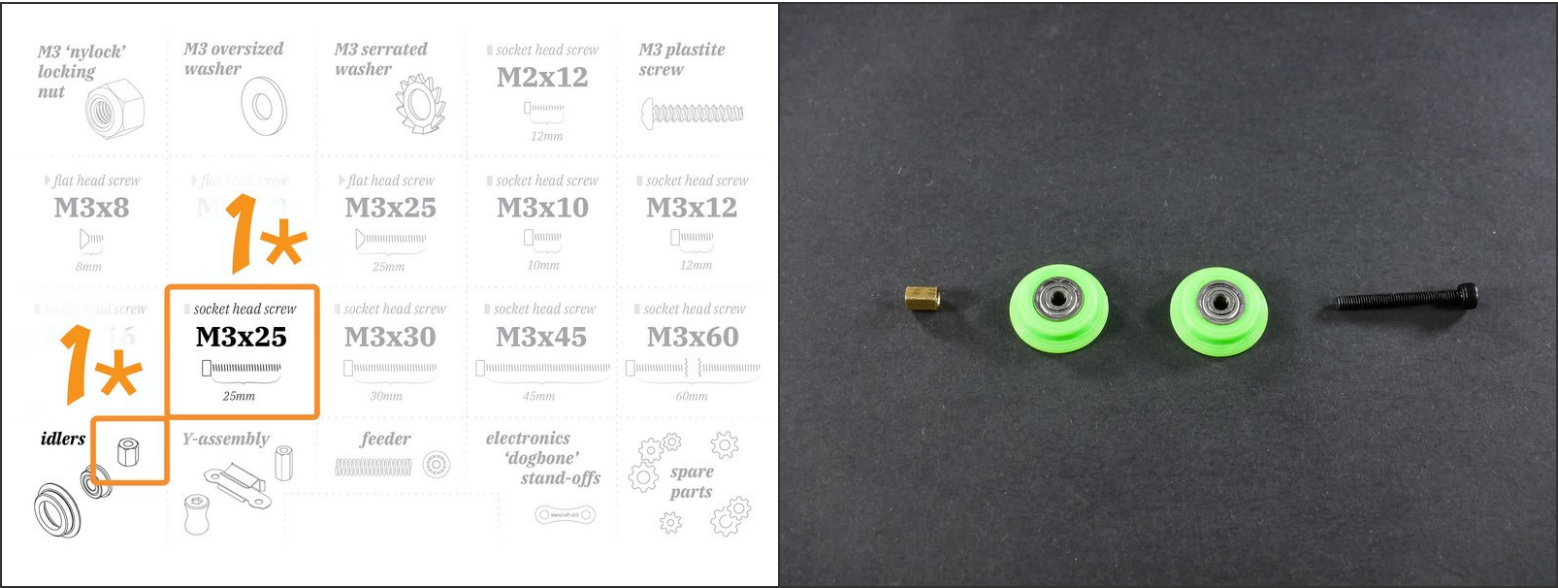
Step 16



Step 17



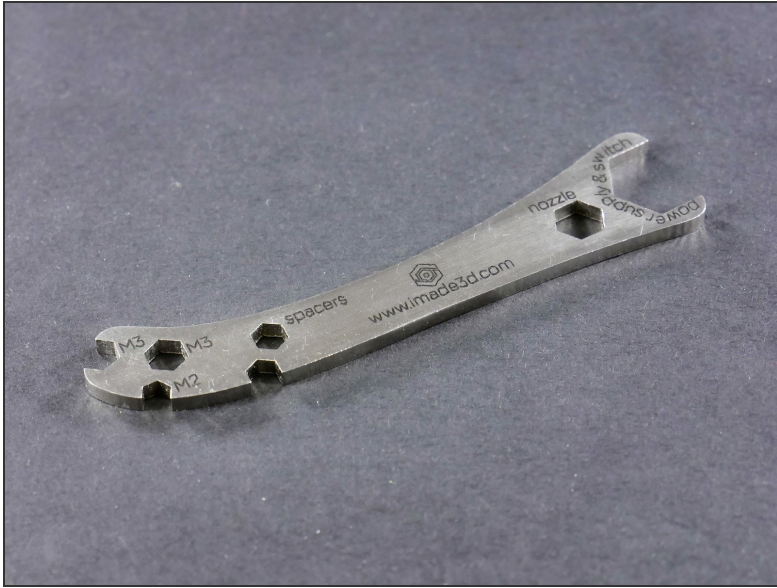
Step 18



Step 19



Step 20



Step 21




- Tighten well.
- This is metal-on-metal tightening, so you do not have to be as gentle as usual.

Step 22 — Looking good!




Step 23 — ↪ Install the X Idler


M3 'nylock' locking nut




M3 oversized washer



2*




1*




flat head screw

M3x10




flat head screw

M3x25




socket head screw

M3x10




socket head screw

M3x12




socket head screw

M3x16




socket head screw

M3x25




socket head screw

M3x30




socket head screw

M3x45




socket head screw


M3x60




idlers




Y-assembly




feeder

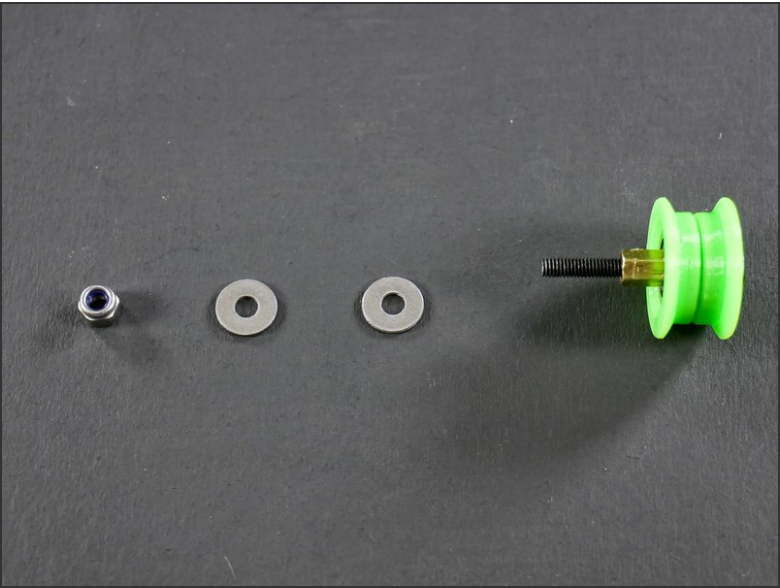


electronics 'dogbone' stand-offs



spare parts

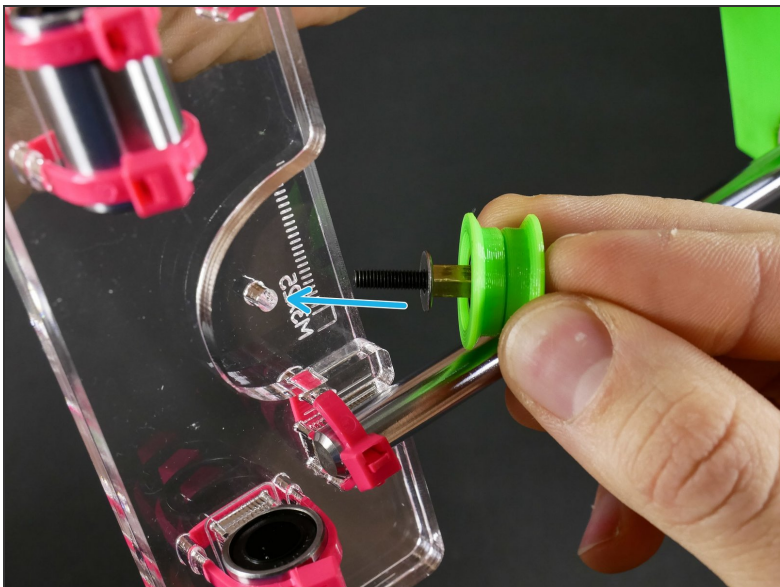




Step 24



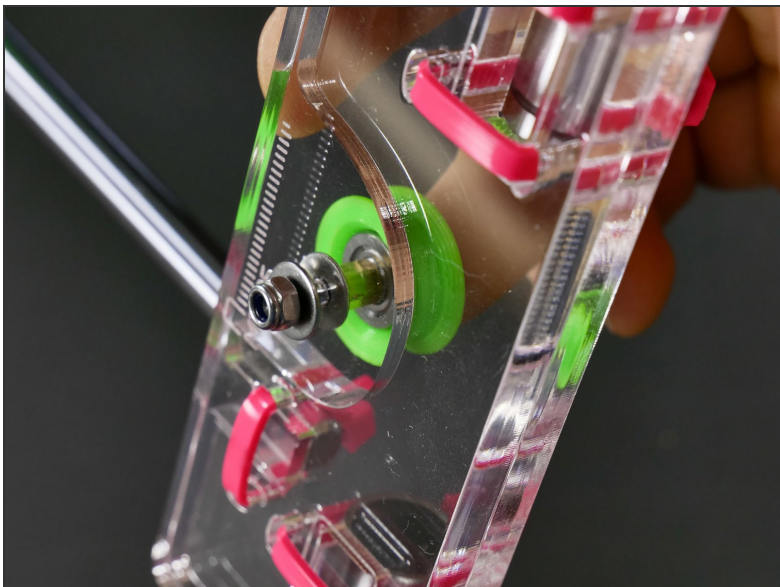
Step 25



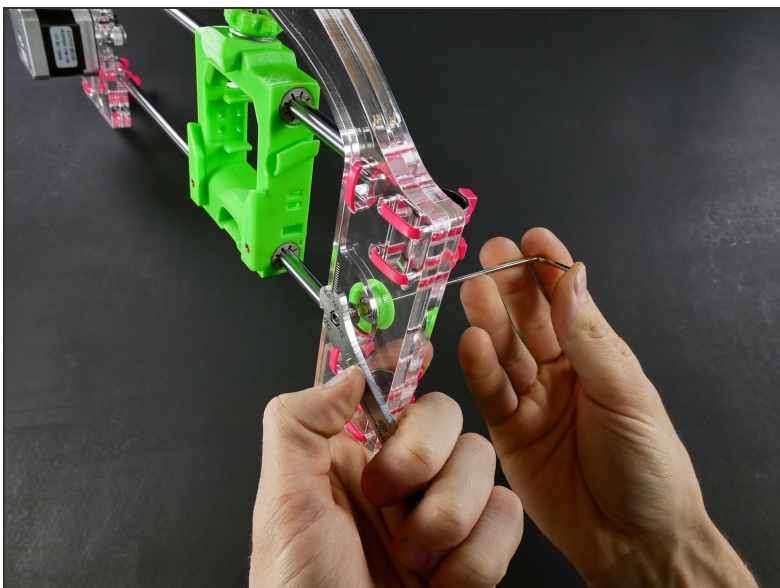
Step 26



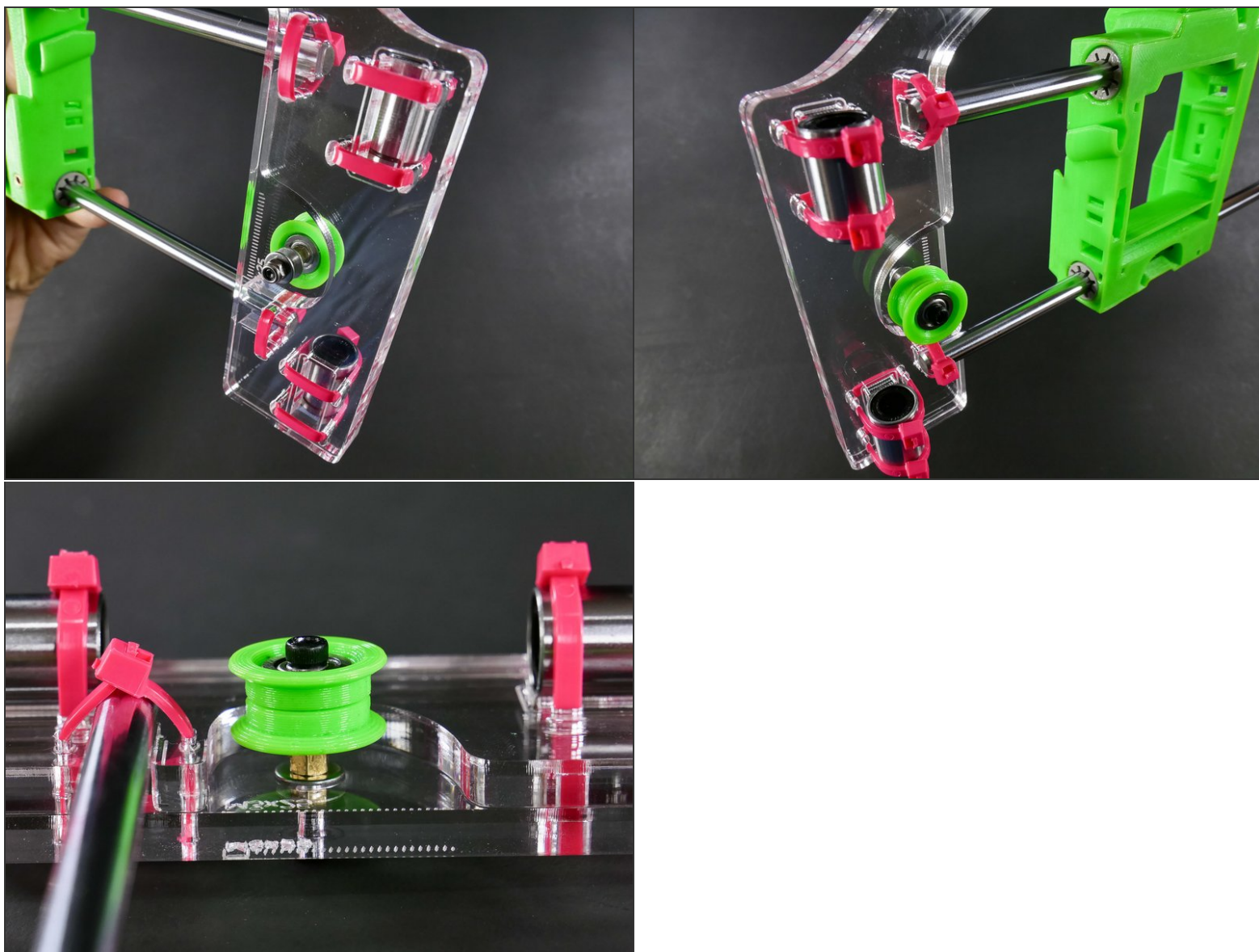
Step 27



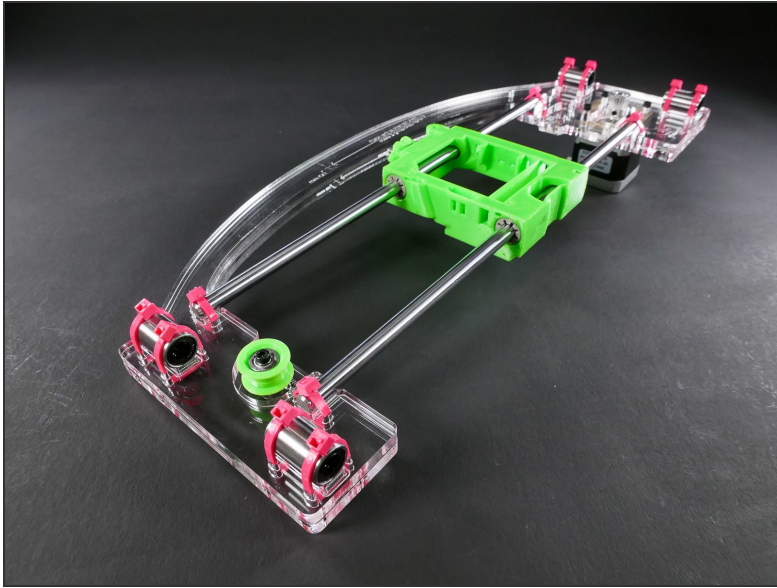
Step 28



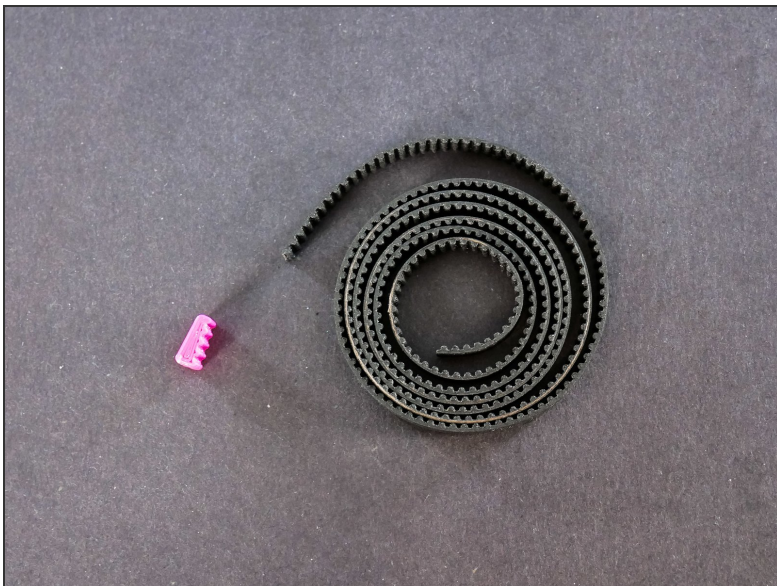
Step 29



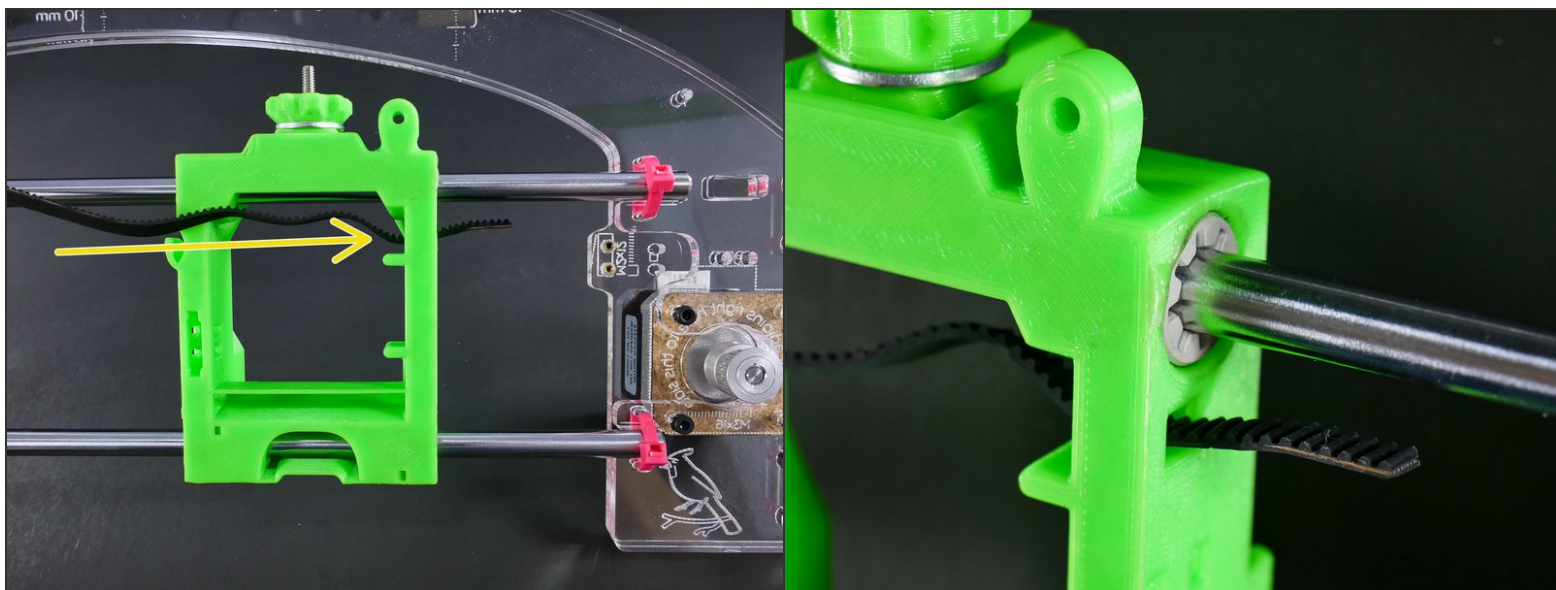
Step 30 — It's done!



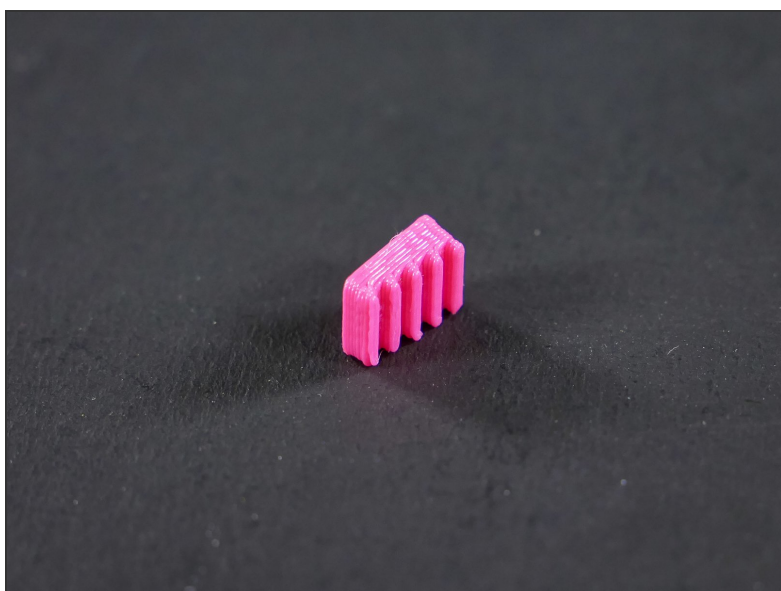
Step 31 — ↪ X Belt



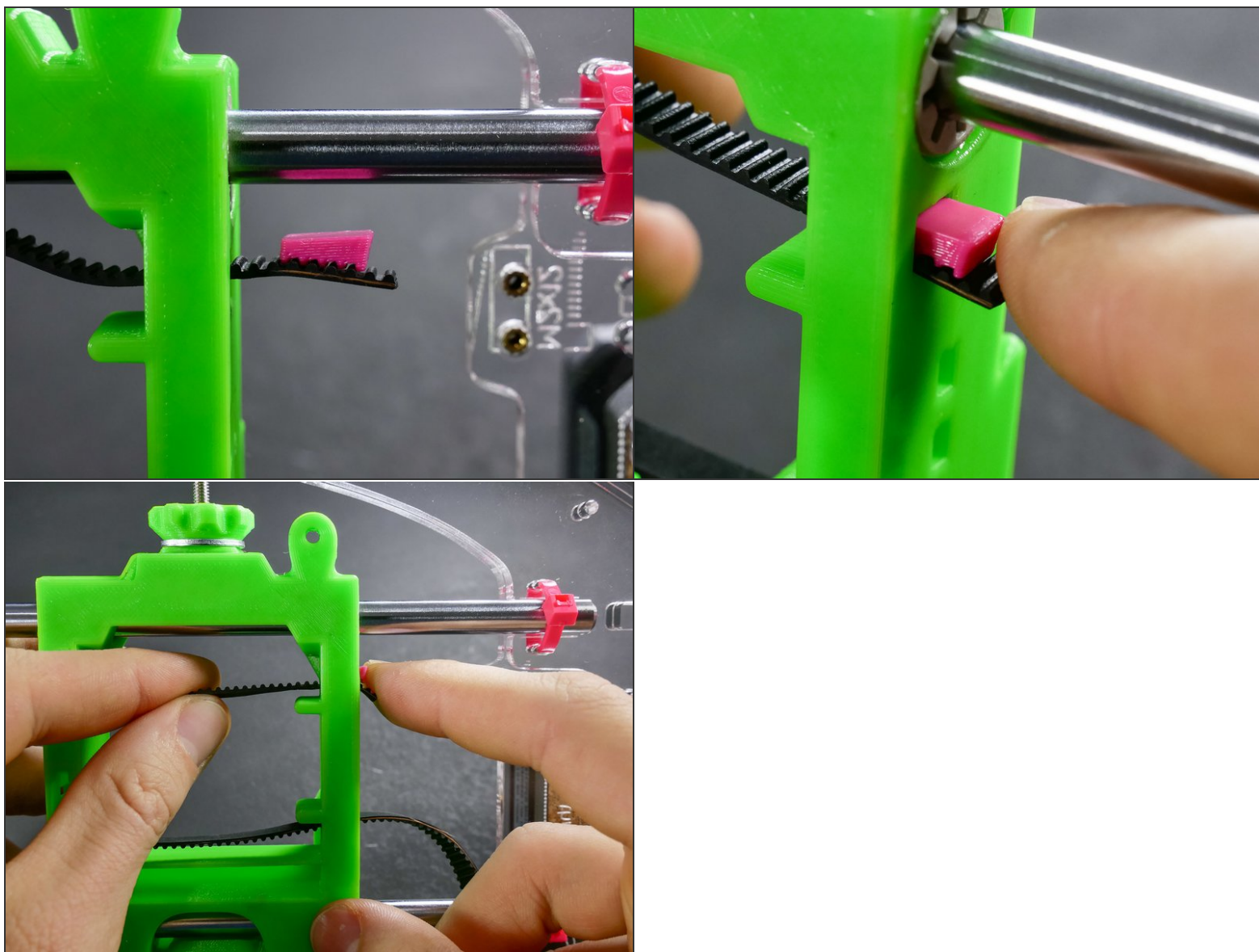
Step 32



Step 33

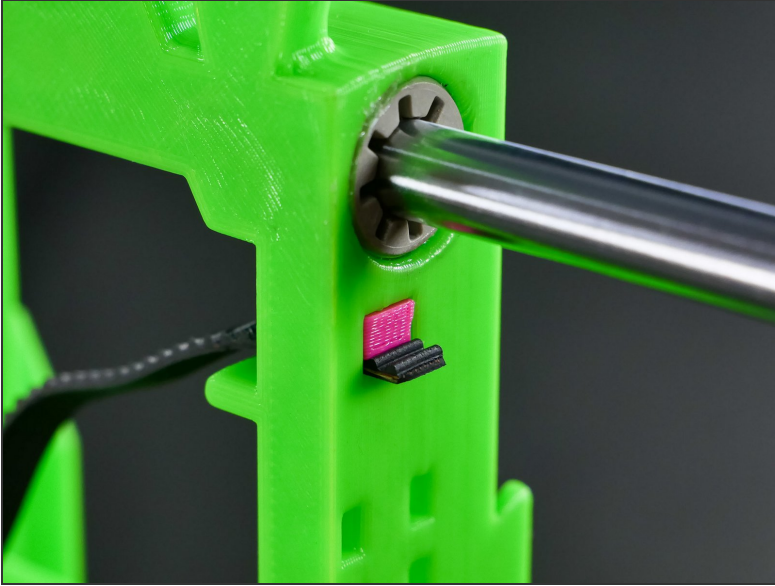


Step 34



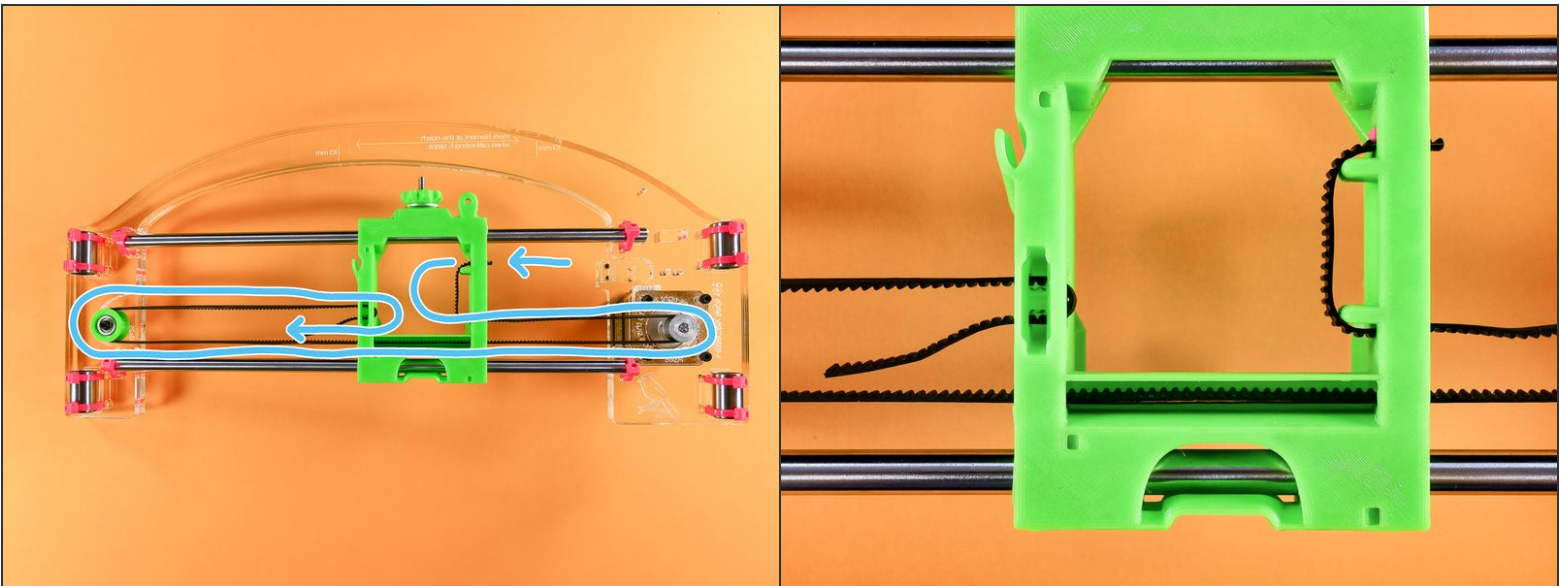
- The position of the wedge on the belt is not precise - you only need to make sure *to fit the belt teeth into the wedge teeth.*

Step 35



- You may cut off the excess if you wish.

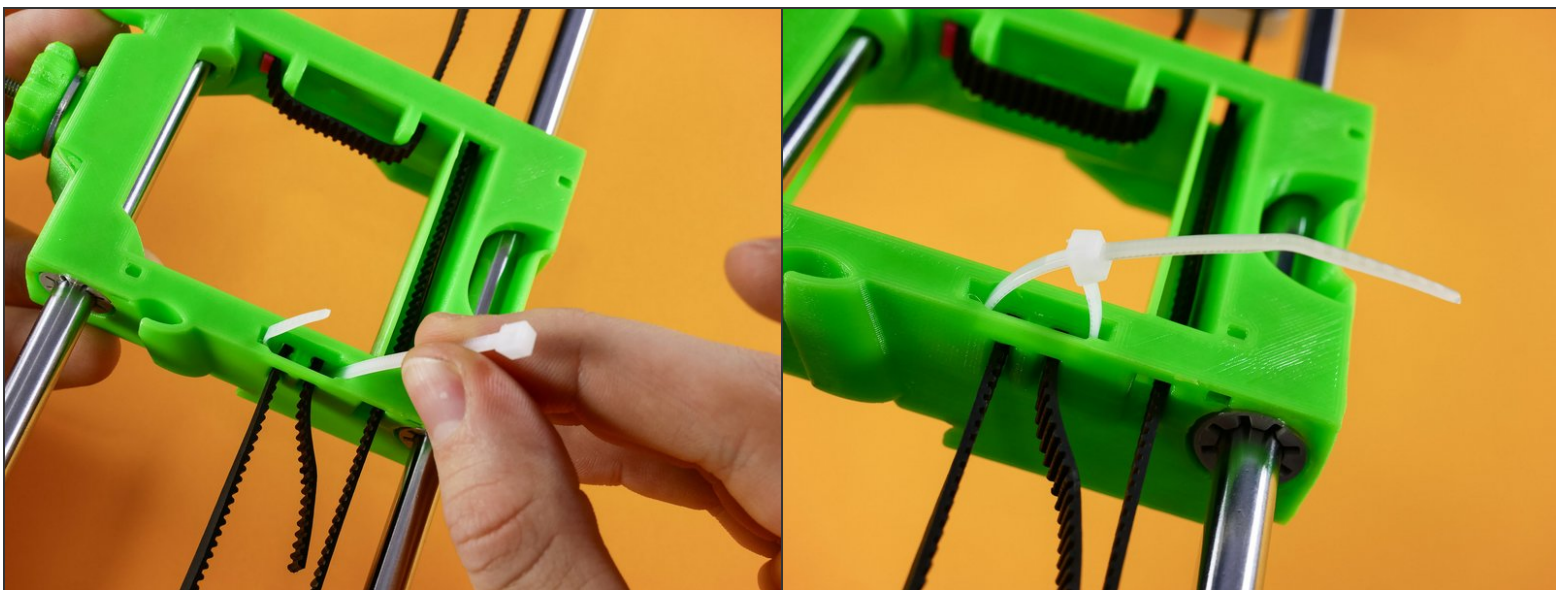
Step 36

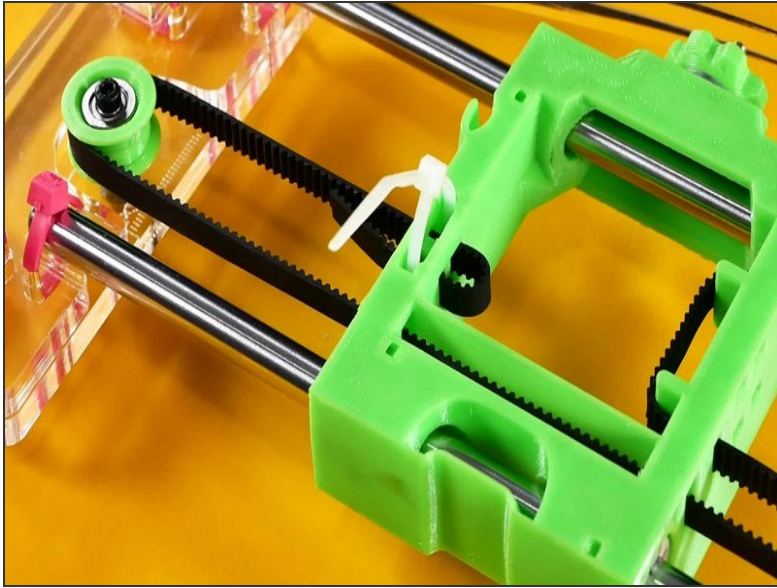


Step 37

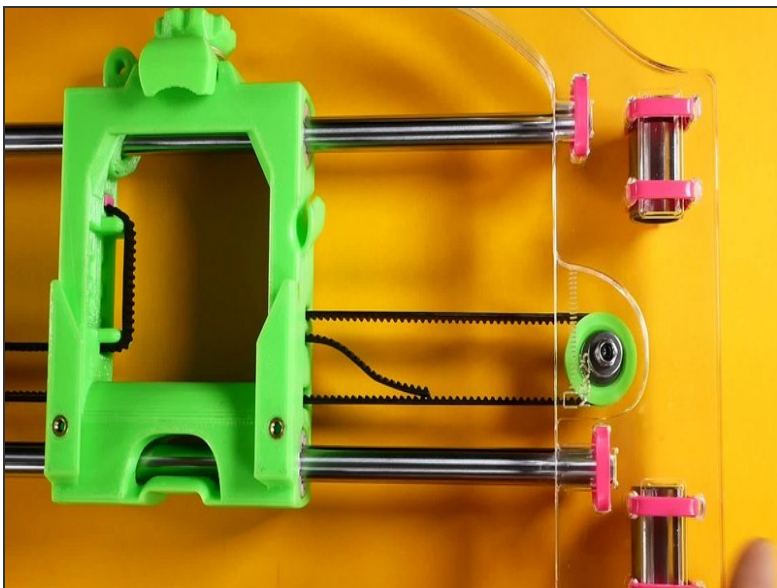


Step 38



Step 39 — ► Video: Secure the X Belt (25s)

- ► Video: Secure the X Belt (25s)

Step 40 — ► Video: Clip the X Belt (35s)

- ► Video: Clip the X Belt (35s)

Step 41



- \approx Leave a bit less than a centimeter ($3/8$ inch) of the x belt intact in case you ever need to dis-or-re-assembly your JellyBOX.

Step 42 — ► Video: X Mechanical Checkpoint #1



- ► Video: X Mechanical Checkpoint #1

What's Next?

Get back to the [← Easy Kit Build Flow](#) and continue with the next guide.