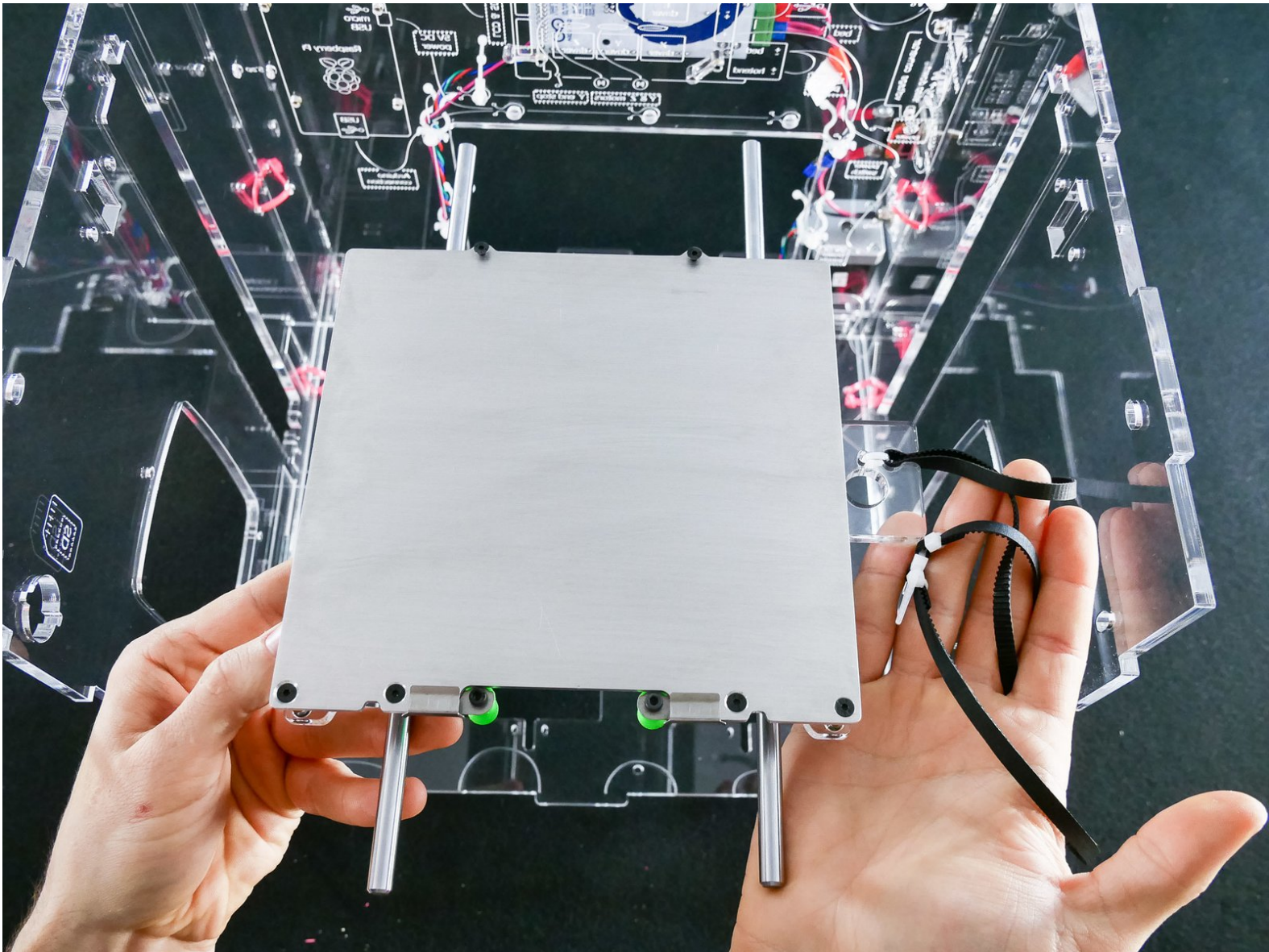
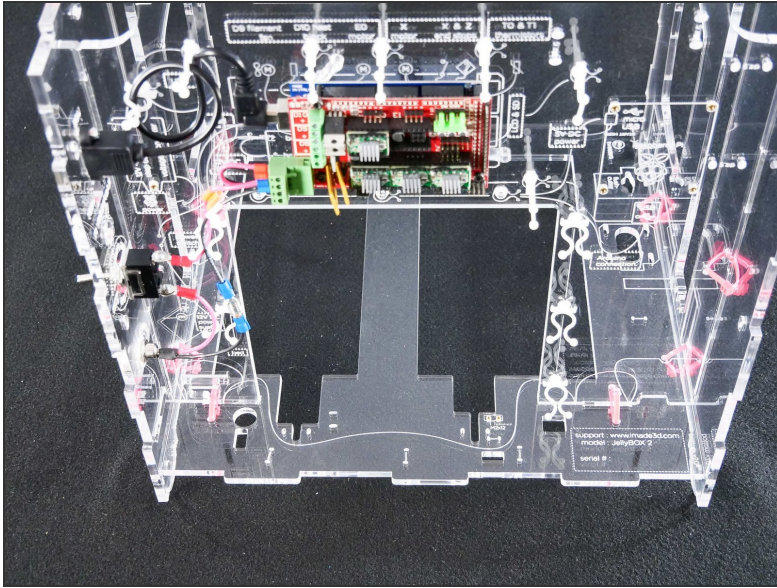




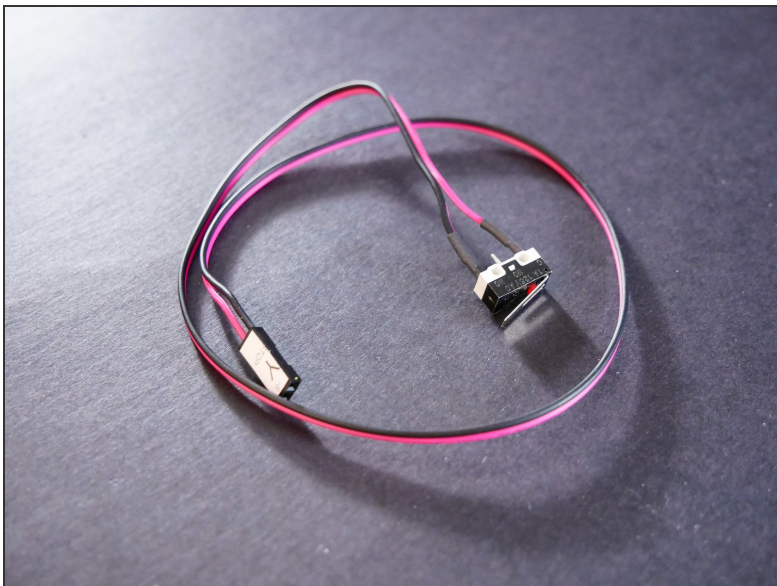
# 01. Install the Y Assembly



## Step 1 — ↳ Y Endstop

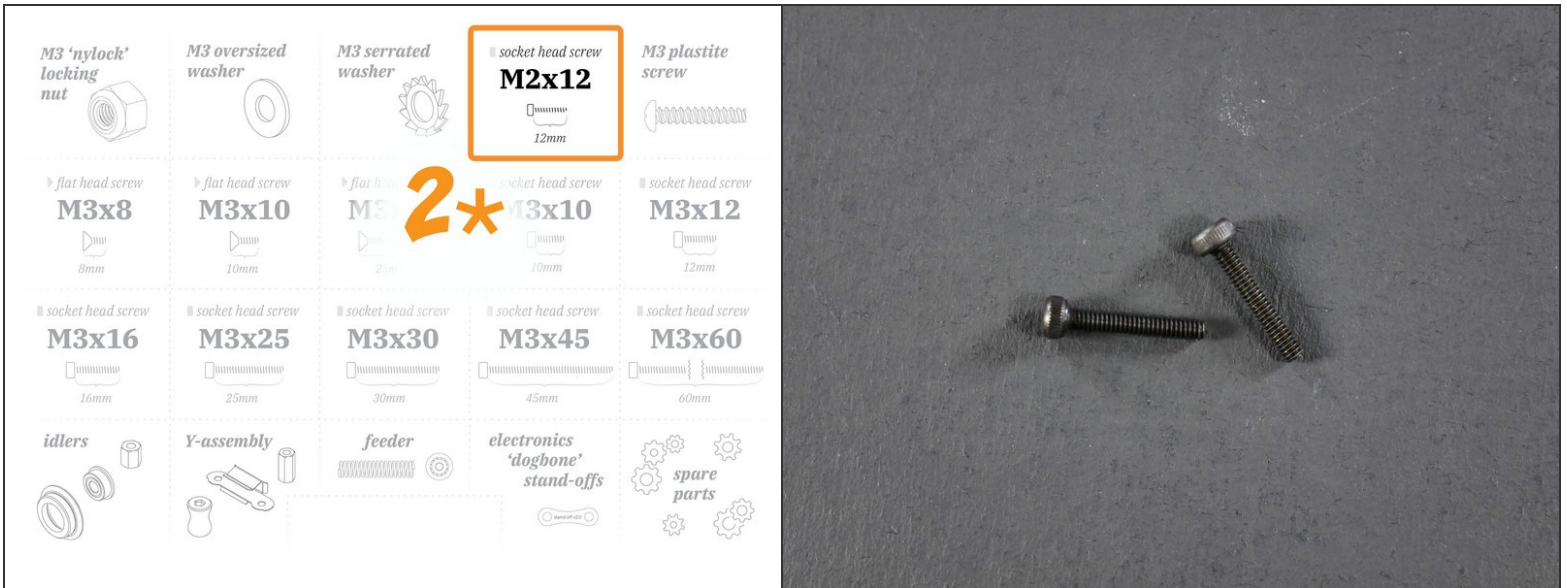


## Step 2



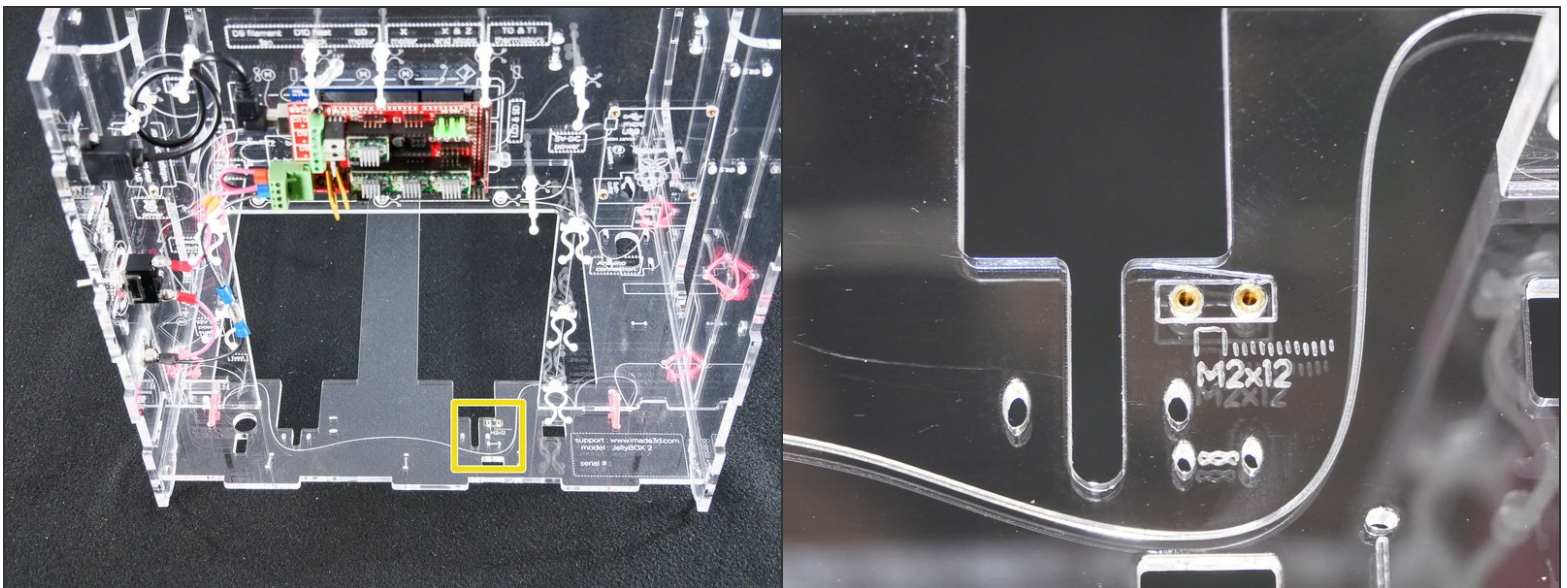


### Step 3

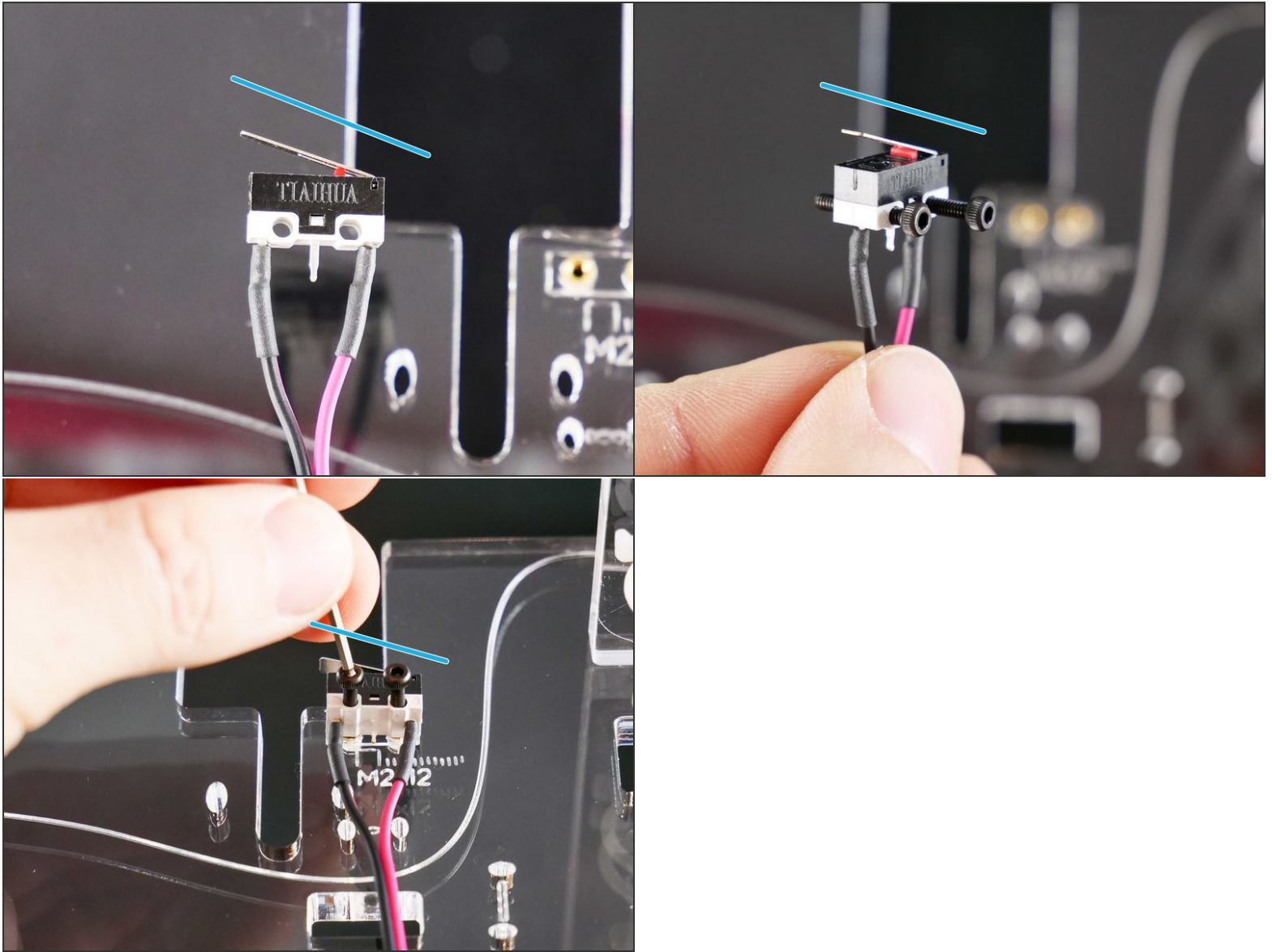


- M2x12 (these are the tiniest)

### Step 4



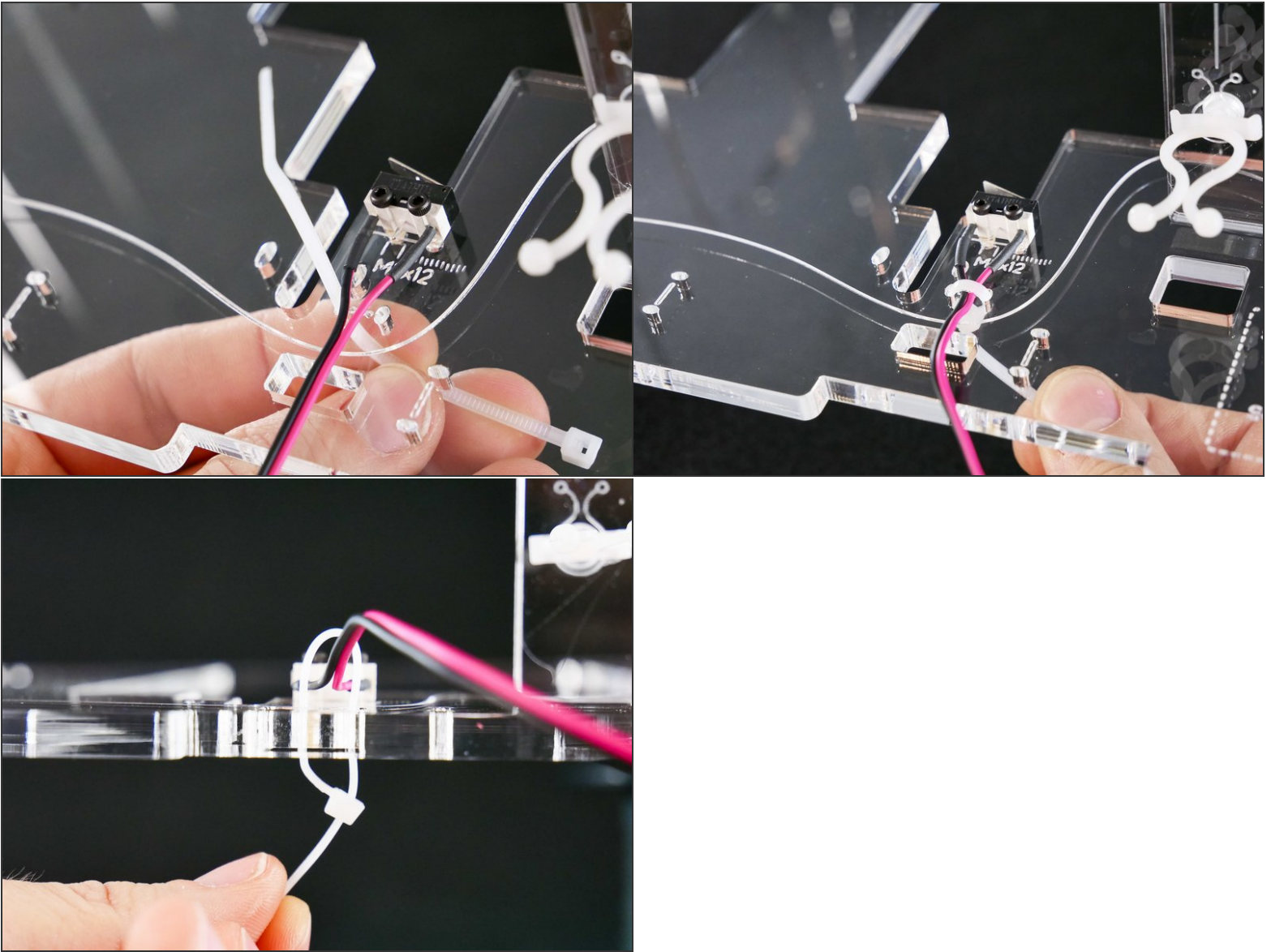
## Step 5




- The switch **reed** needs to point towards left.

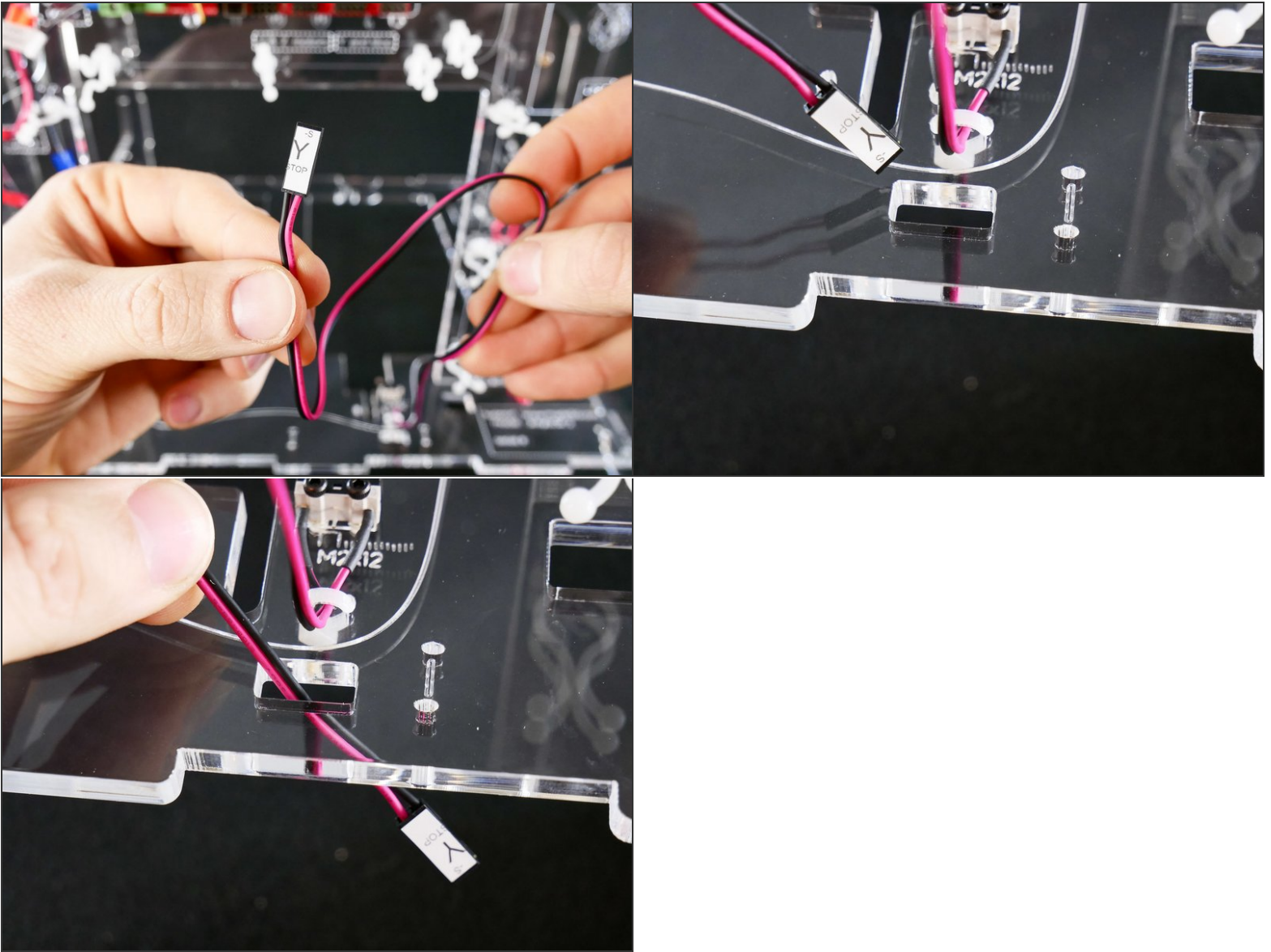


## Step 6



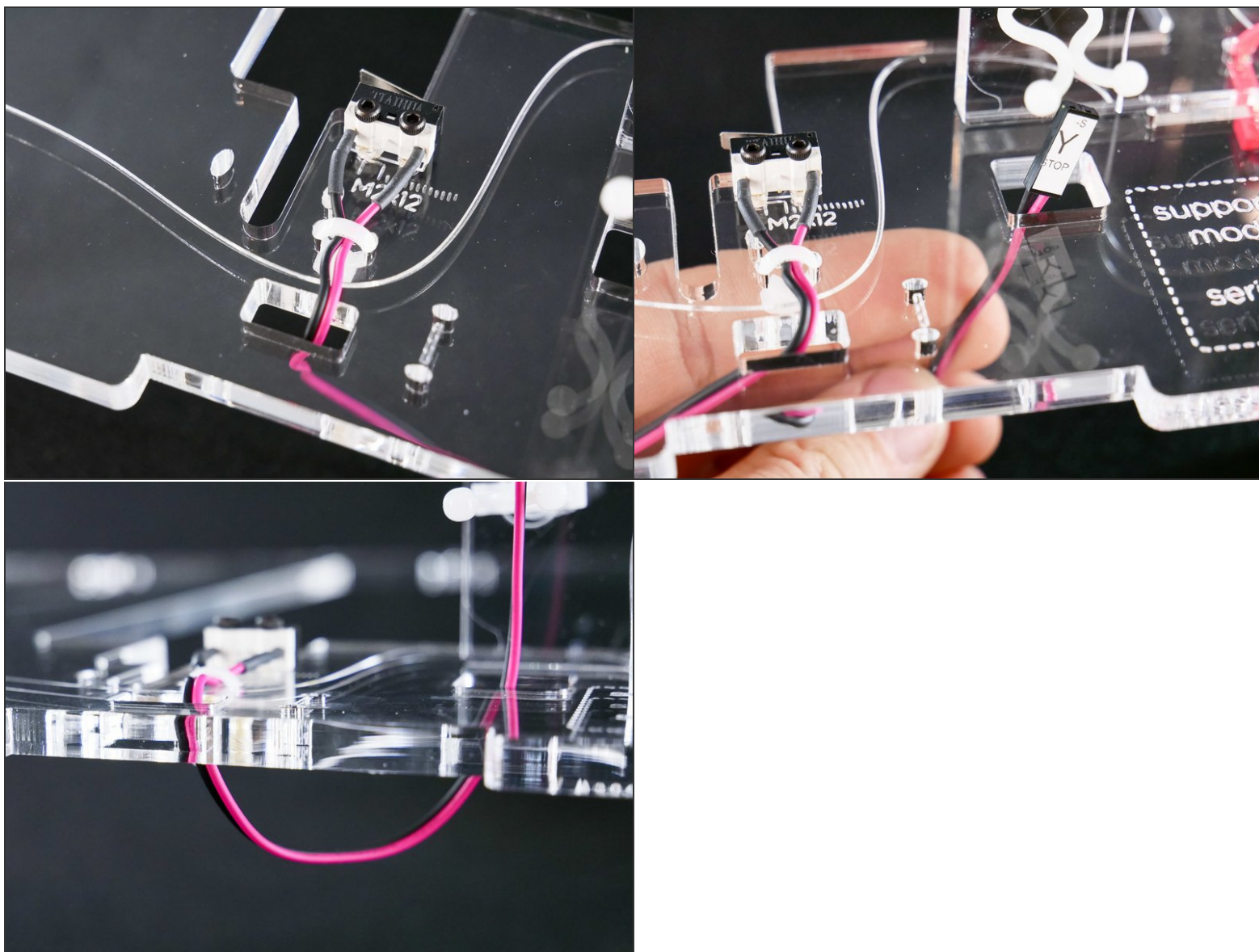
 [Update] This zip tie (and the holes in the Bottom) was removed in early 2018 to speed up the build. Simply **skip it**.

## Step 7

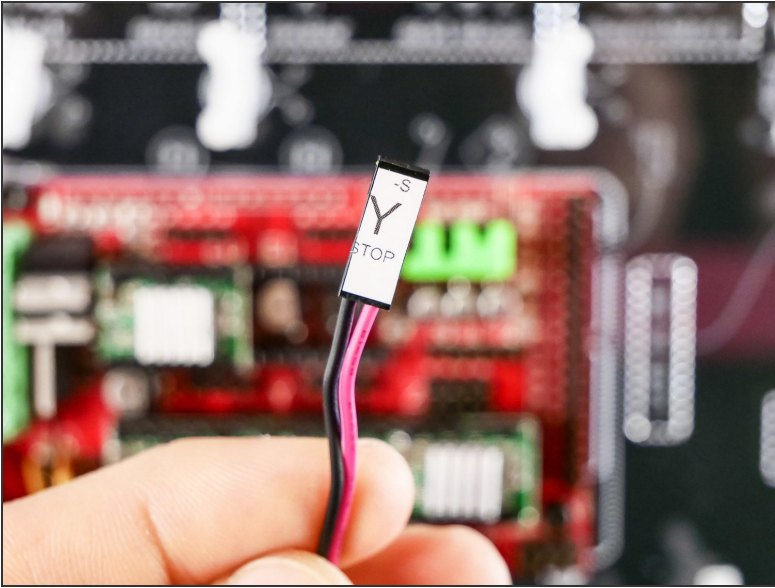




## Step 8

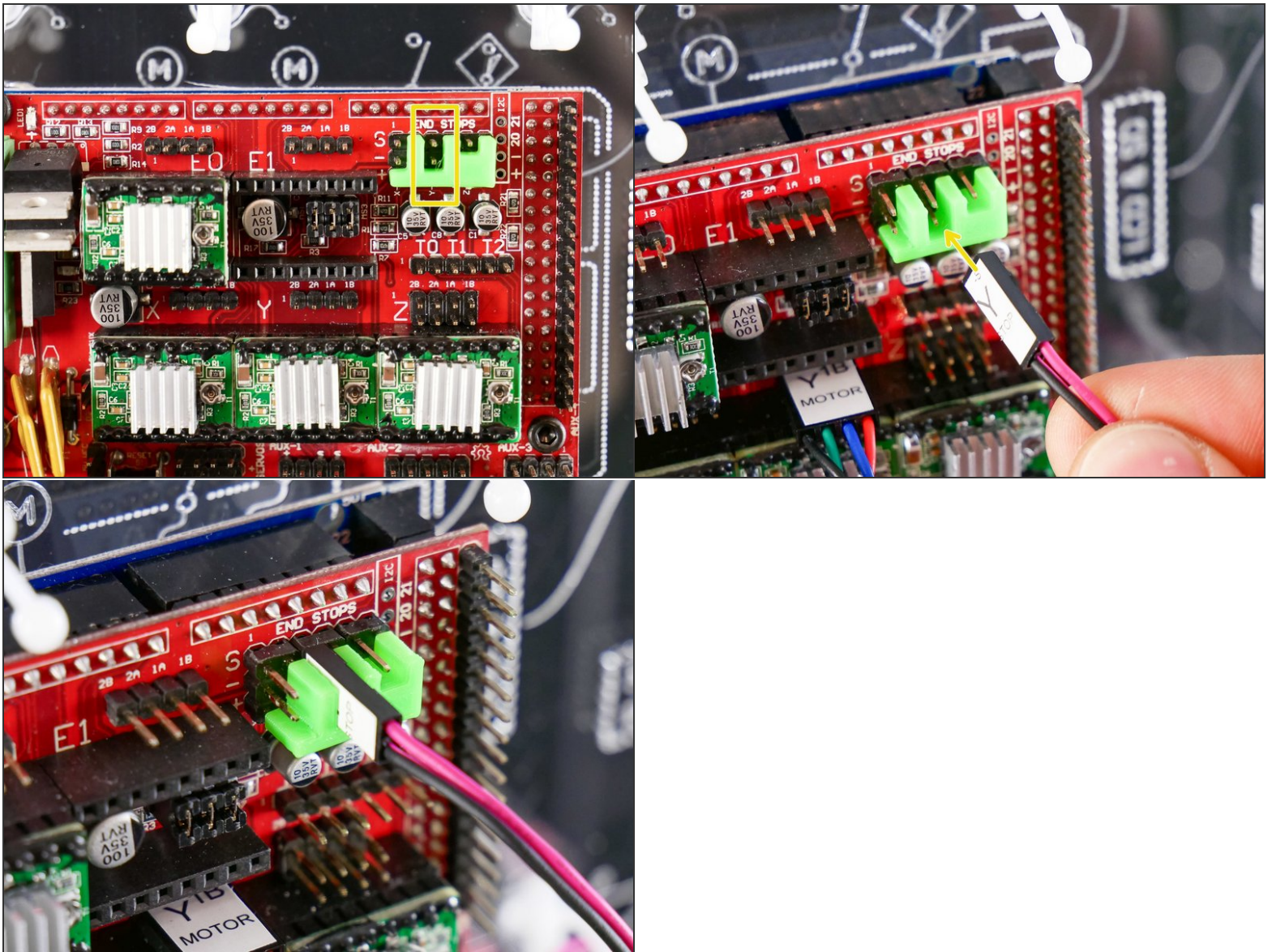


## Step 9



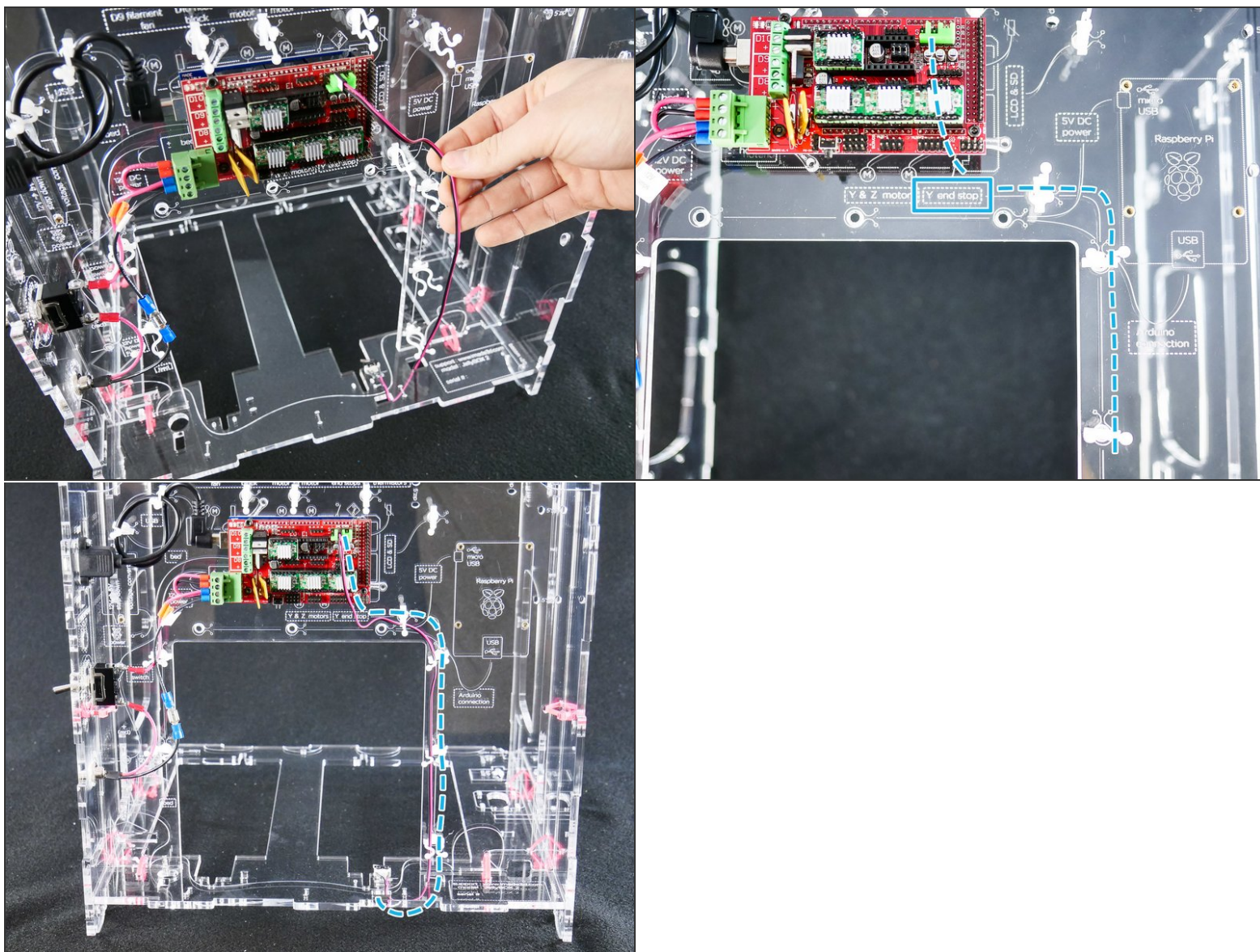


## Step 10



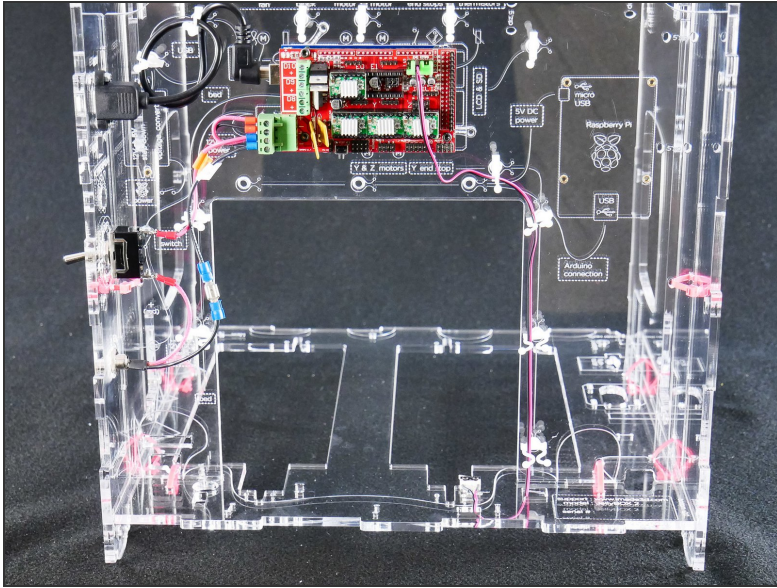


## Step 11

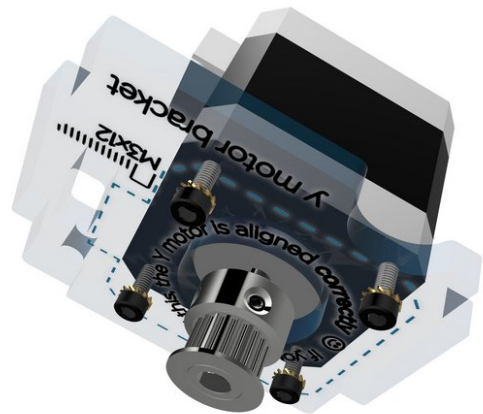
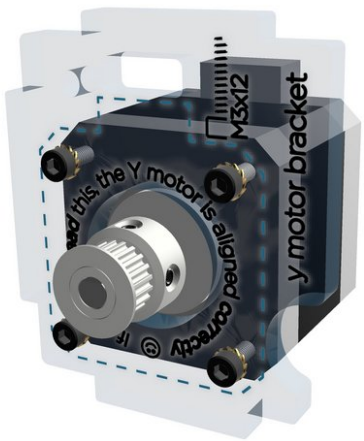




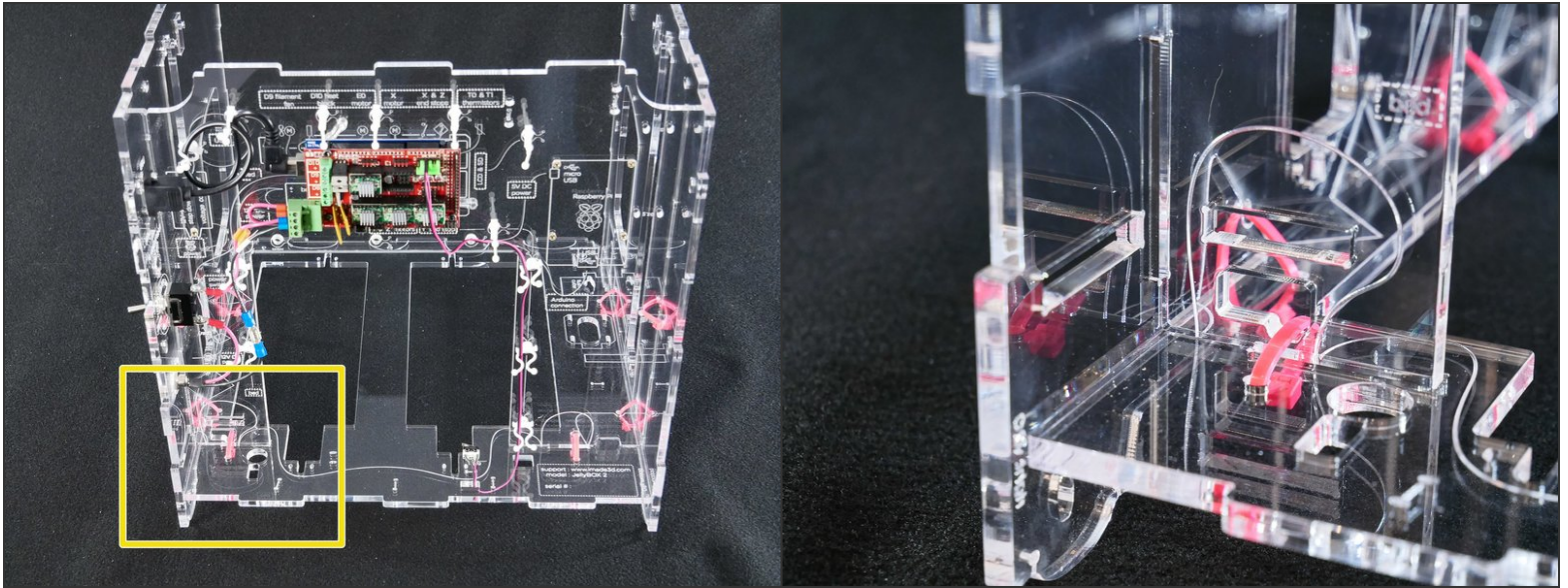
## Step 12 — Looking good!



## Step 13 — ↴ Insert the Y Motor Bracket

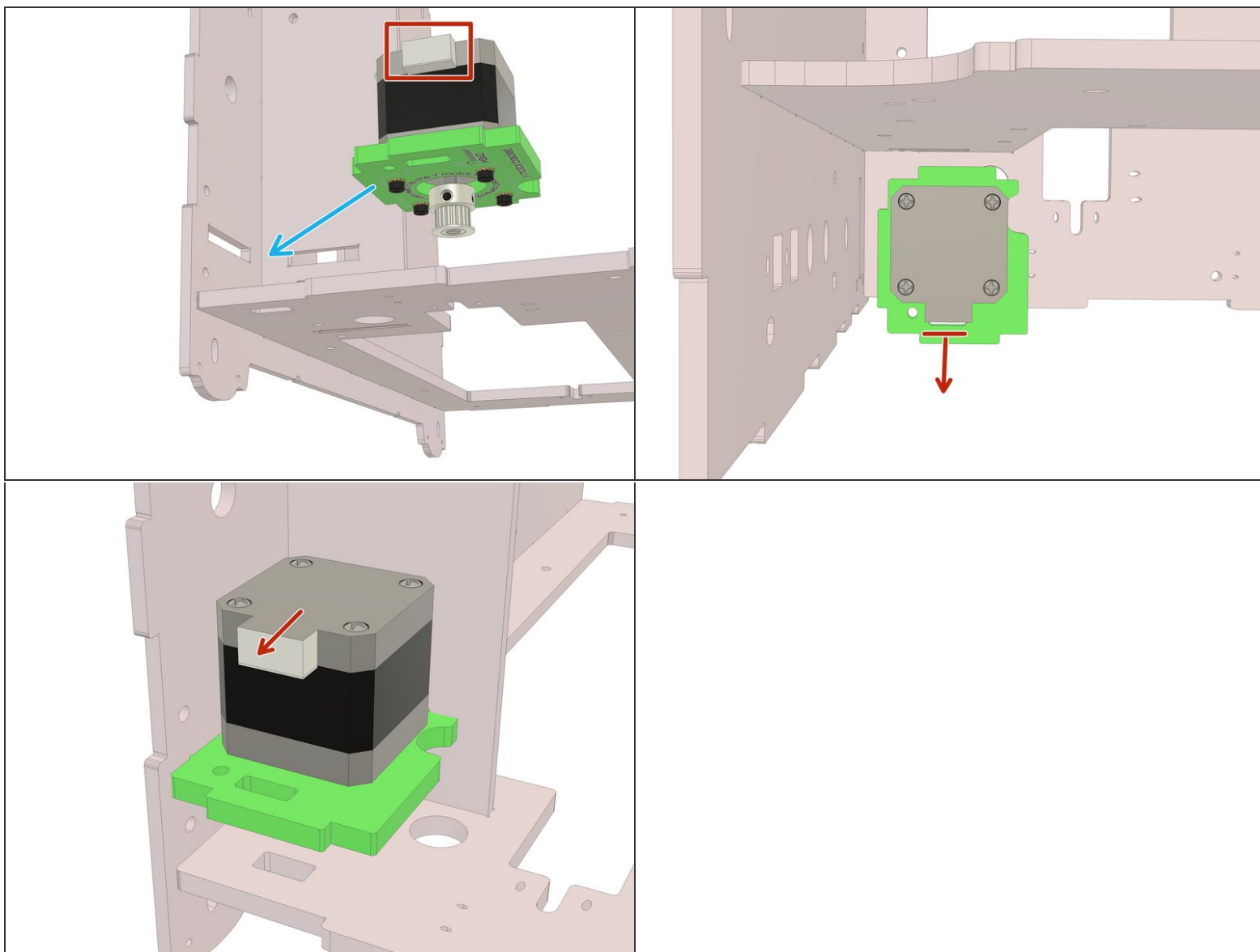


## Step 14



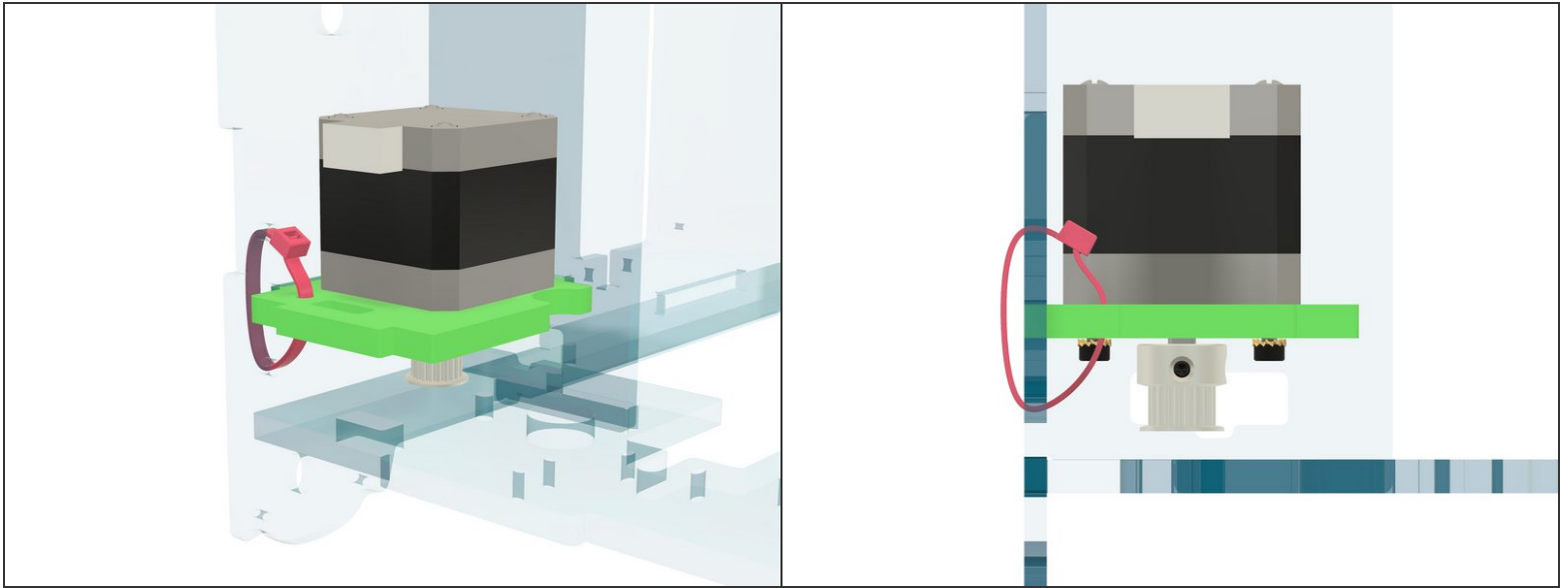


## Step 15



⚠ Point the motor connector towards the **back**.

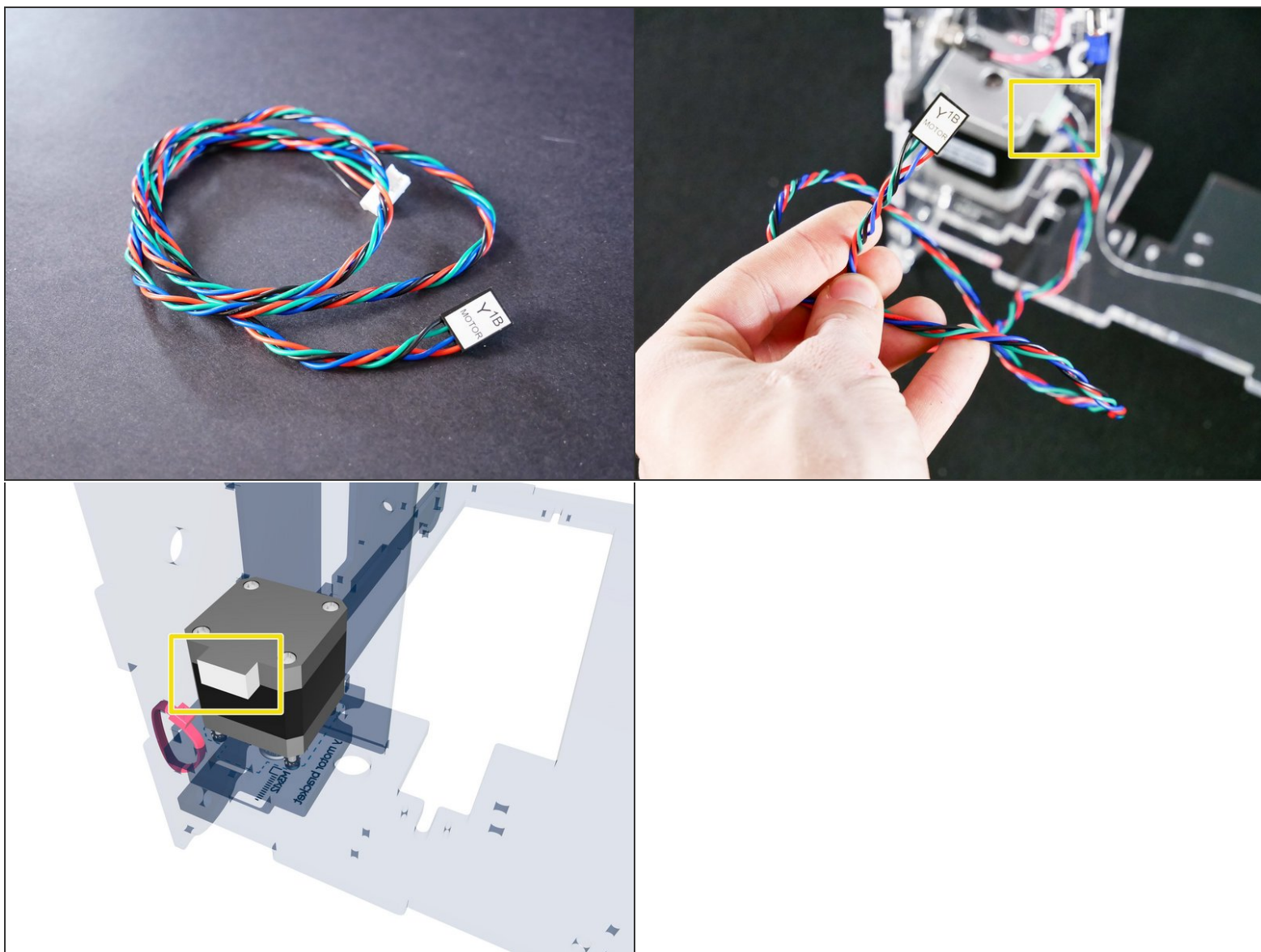
⚠ This part has changed in JellyBOX 2.1.b.b; in some images you may still find the older version that points to the right. Rest assured, yours should be pointing towards the back.

**Step 16**

- 5" zip tie



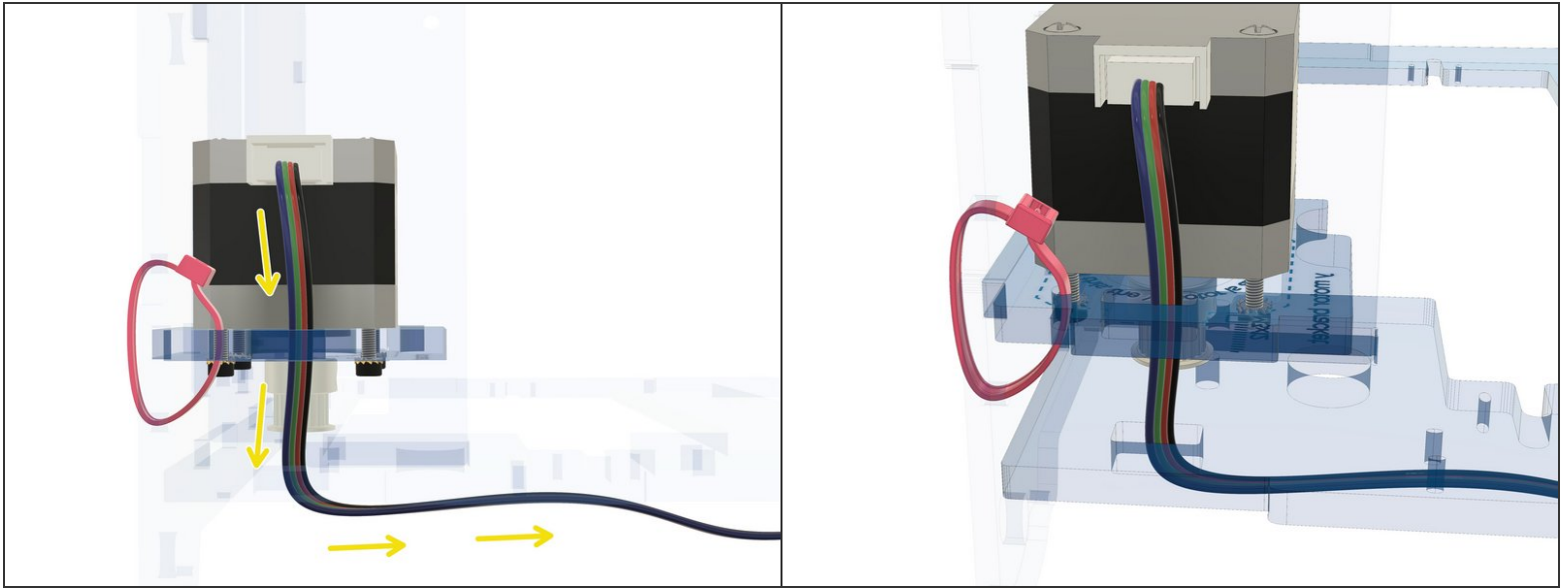
## Step 17



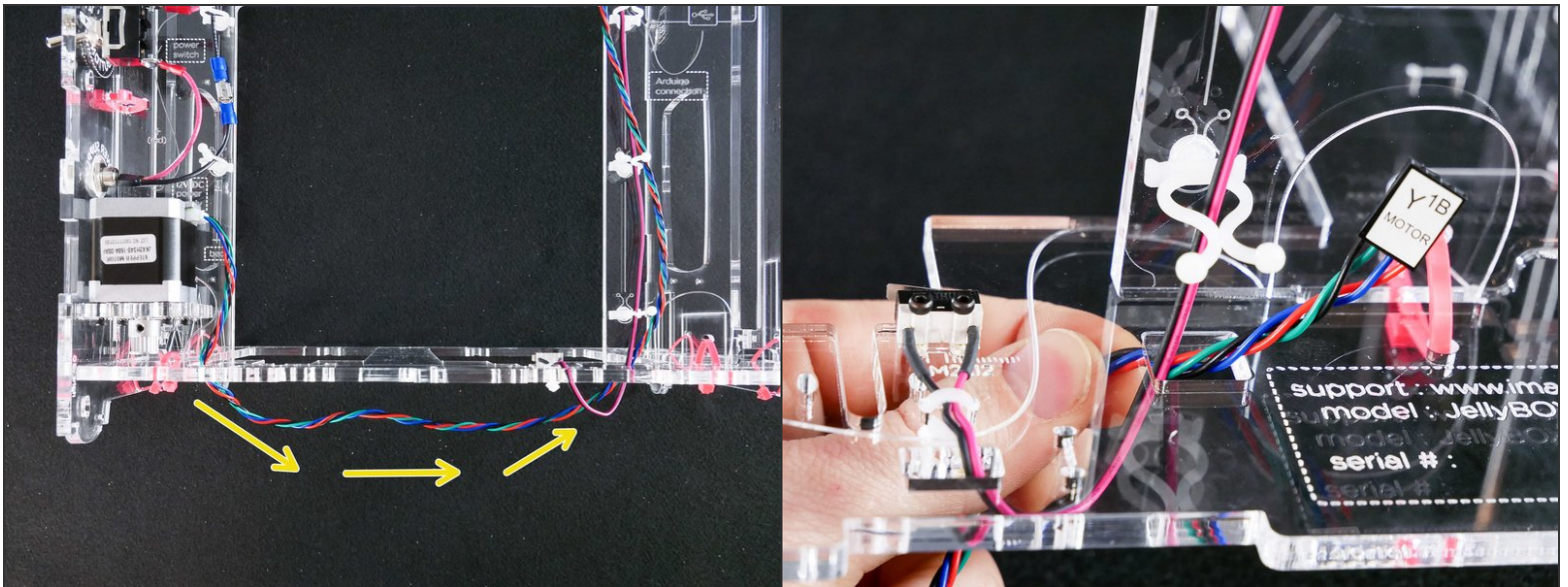
- Connect the y motor cable to the y motor.

 *In JellyBOX 2.1.b.b, the motor connector is facing the back.*

## Step 18

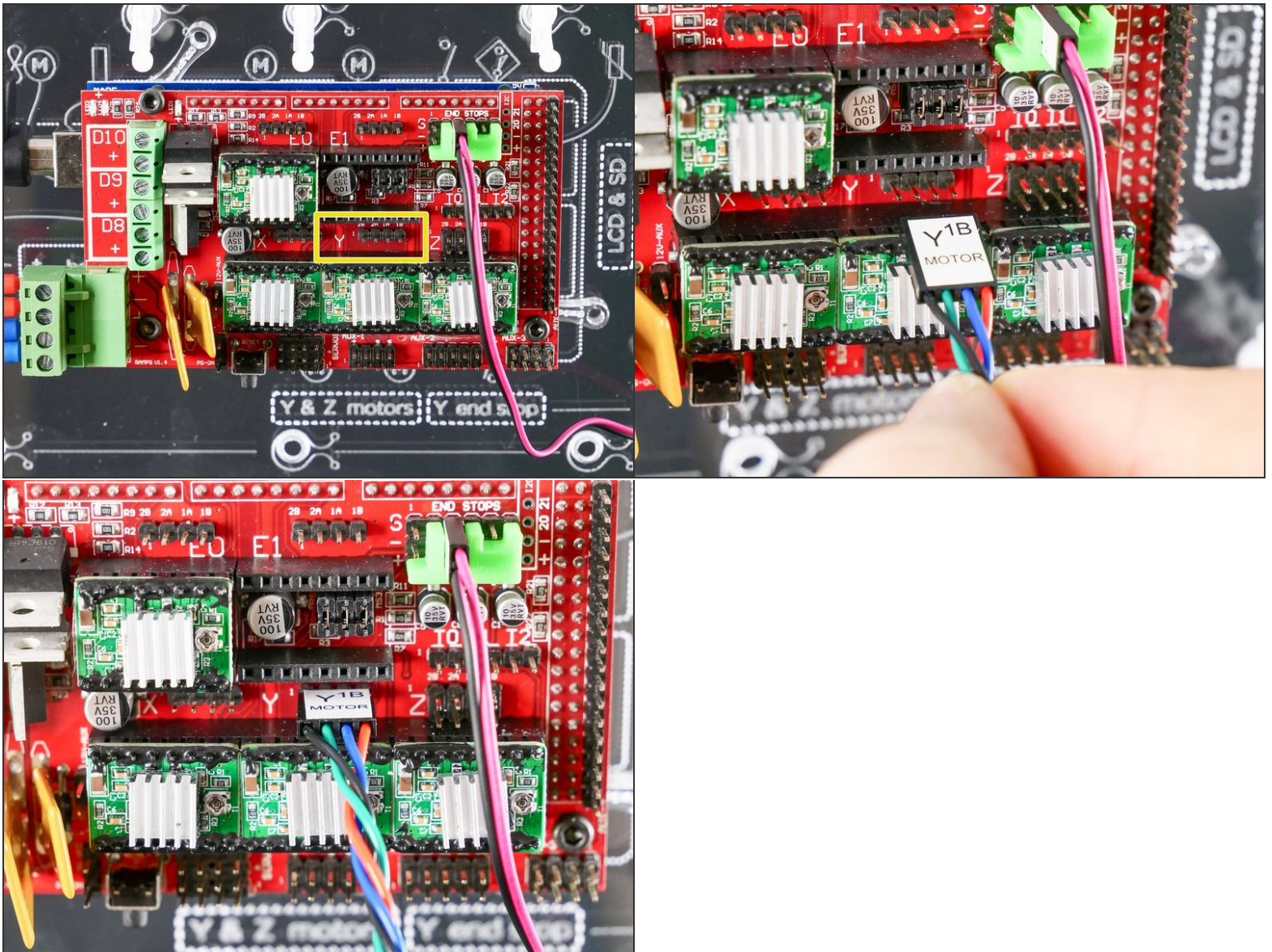


## Step 19

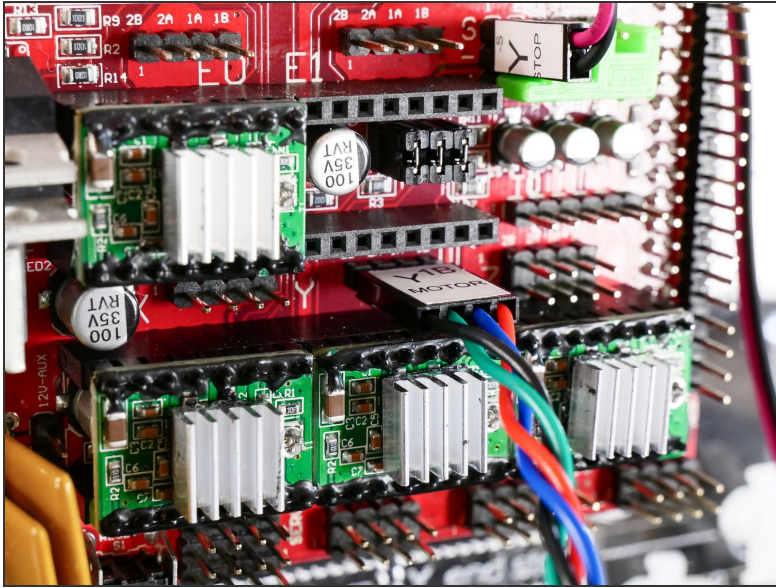




## Step 20

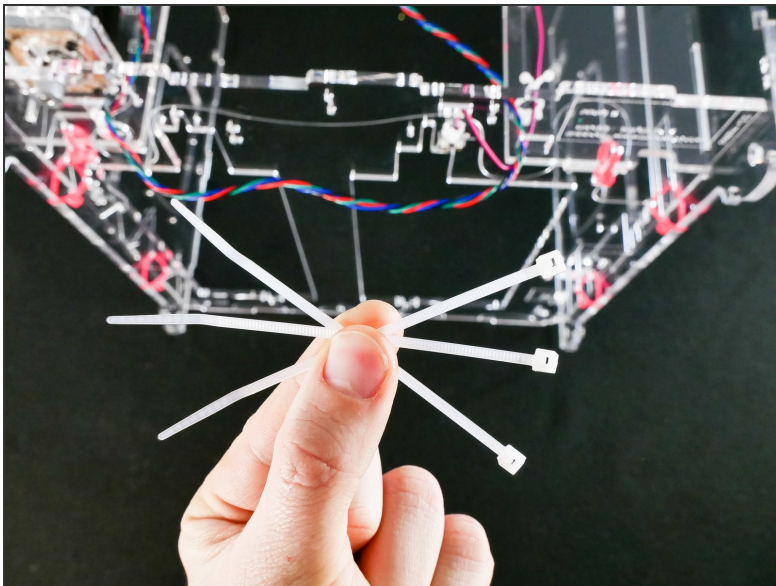


## Step 21



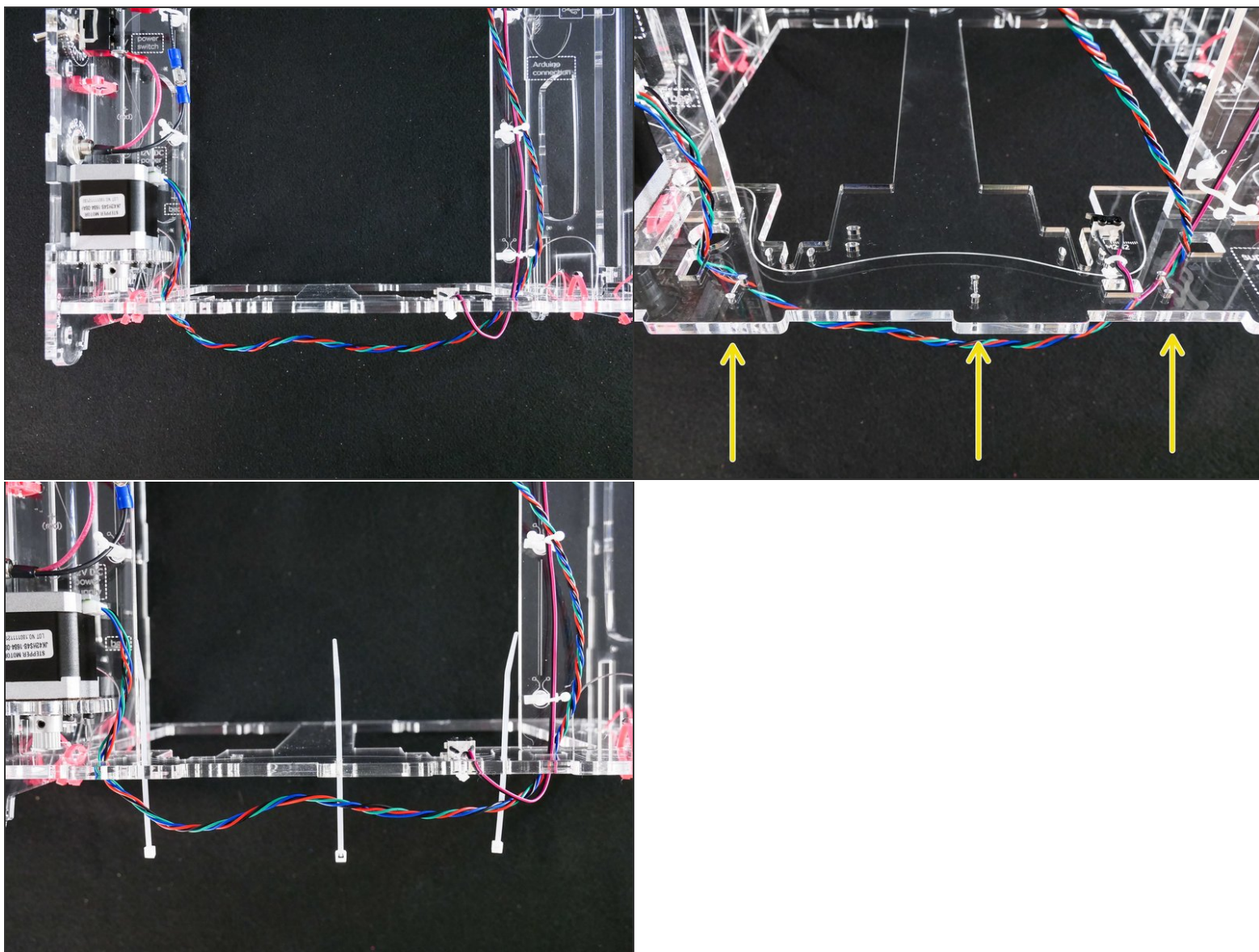
- Check ✓

## Step 22



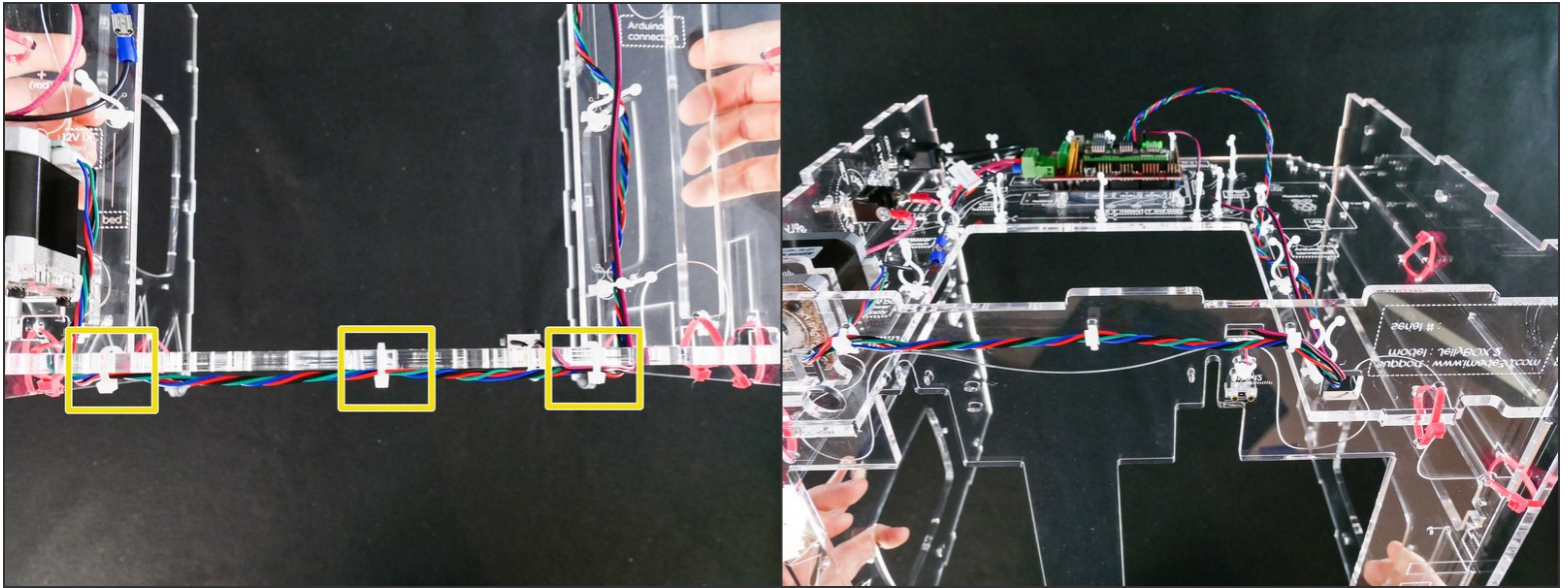


## Step 23

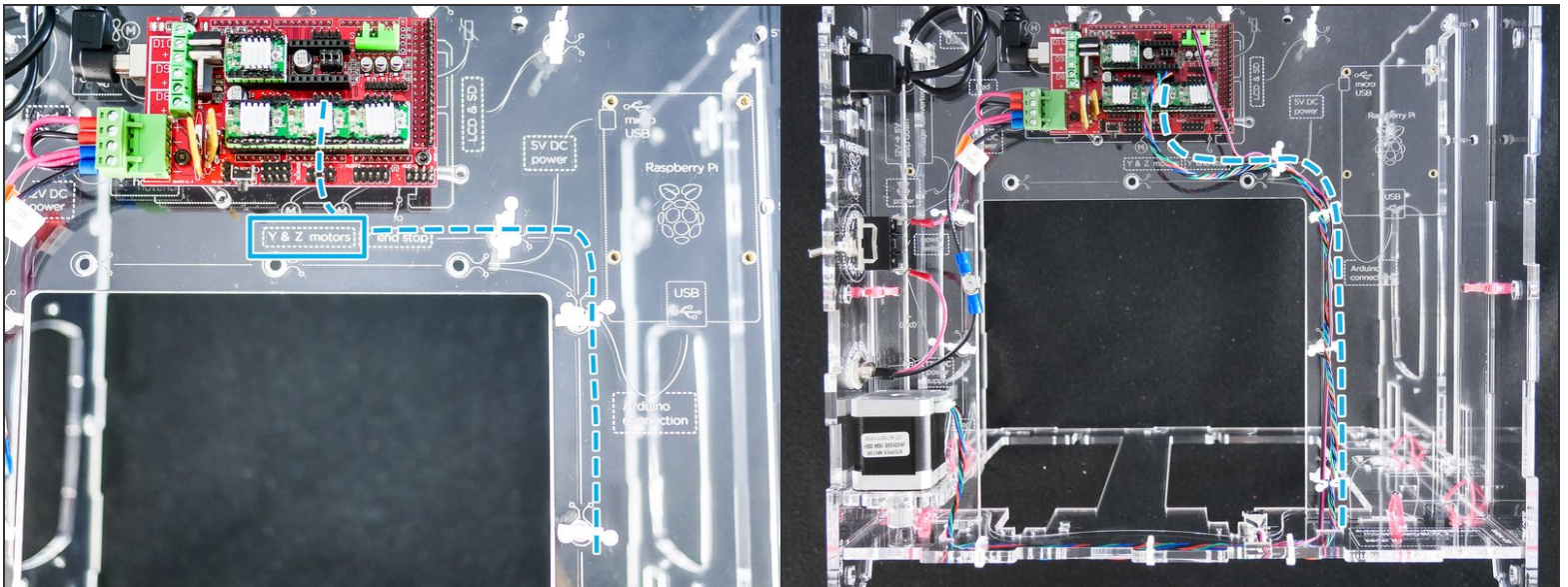




## Step 24

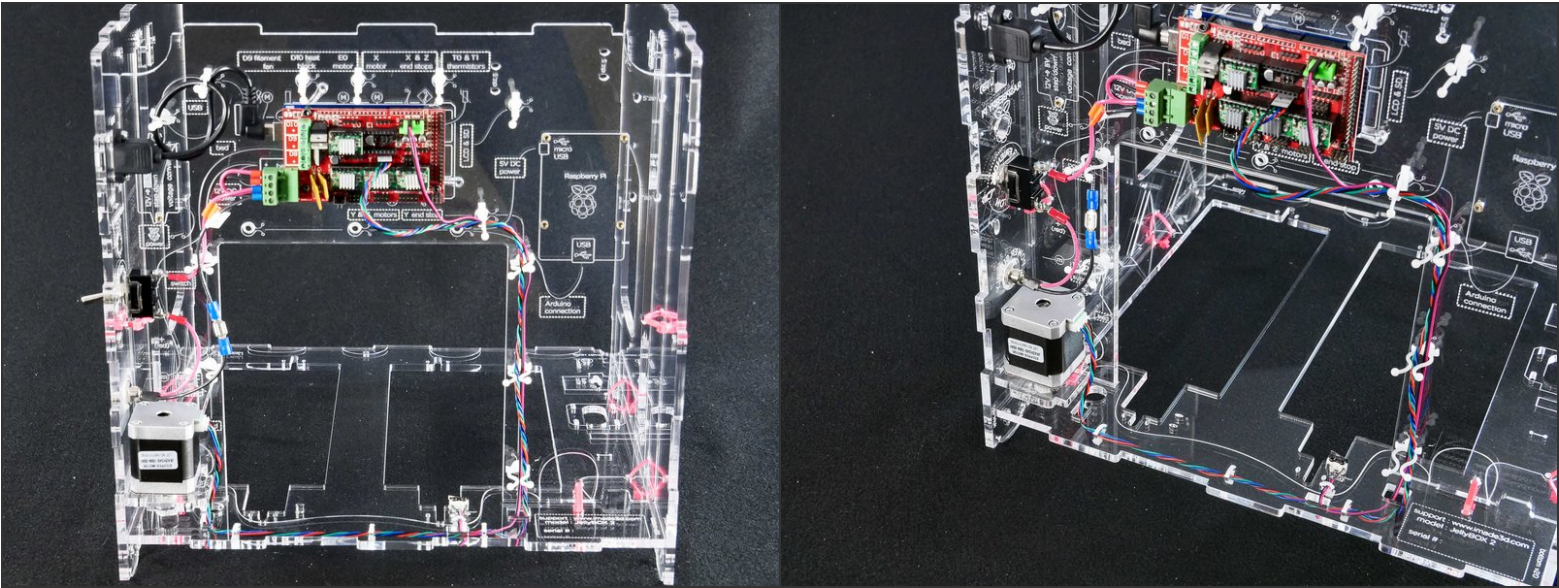


## Step 25





Step 26 — Looking good!

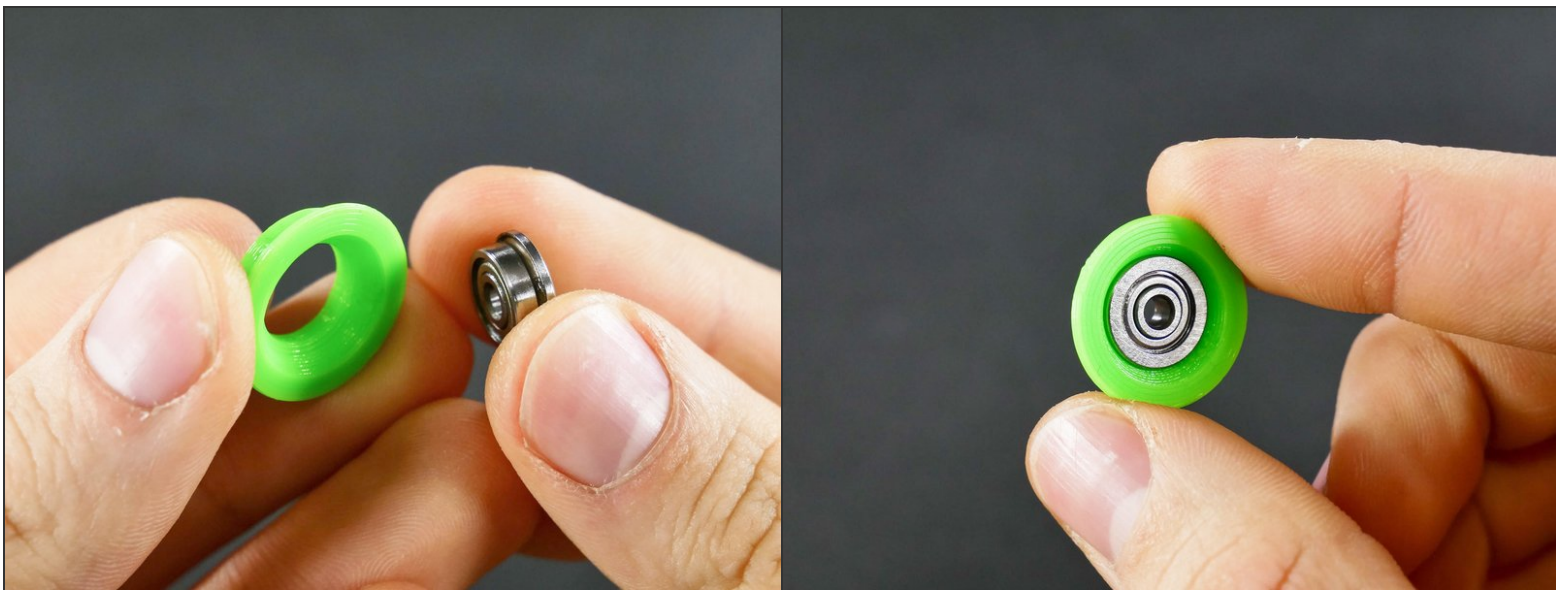


- (Unlike in this picture, your JellyBOX 2.1.b.b motor is facing towards the back.)

Step 27 — ↪ 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 28

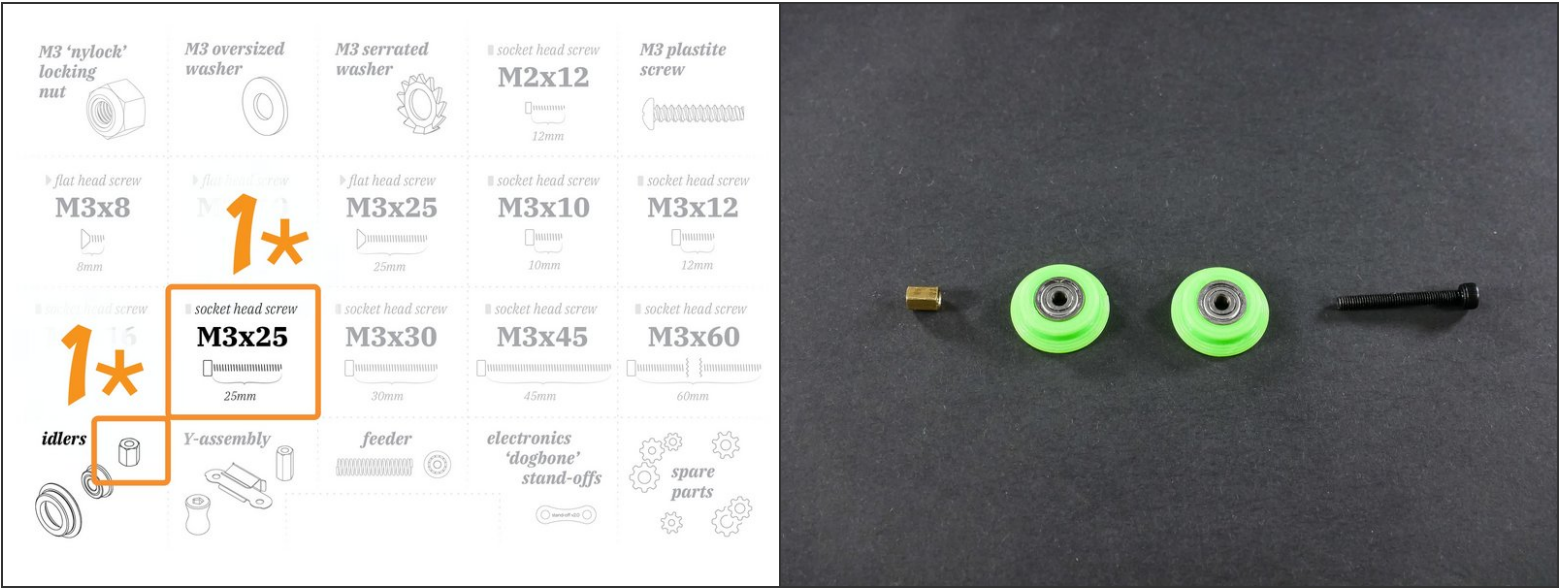


## Step 29





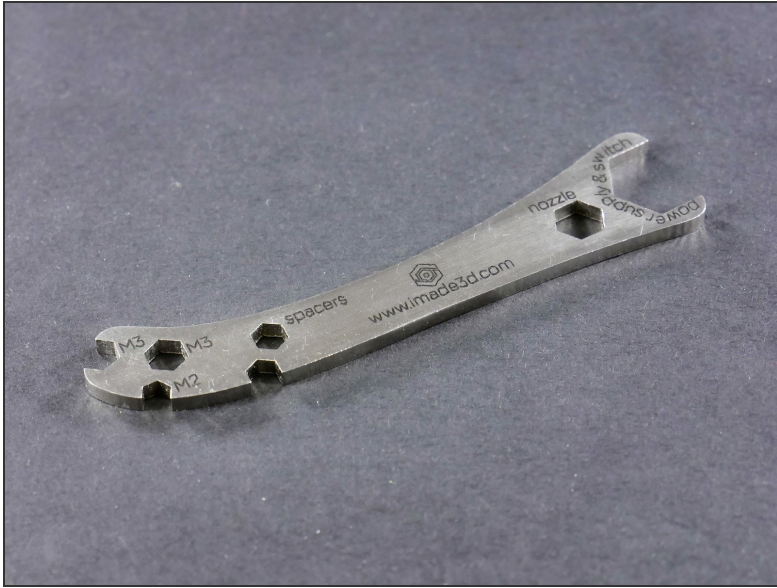
Step 30



Step 31



## Step 32



## Step 33

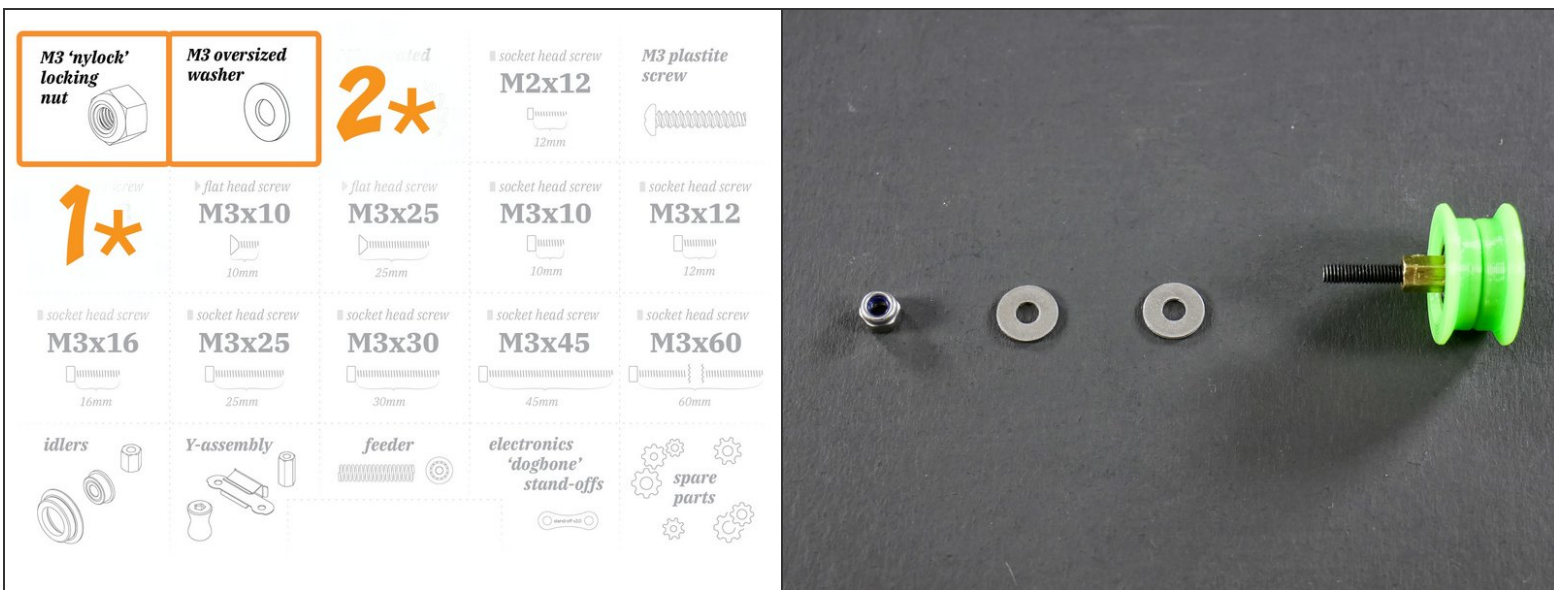


- Tighten well.
- This is metal-on-metal tightening, so you do not have to be as gentle as usual.

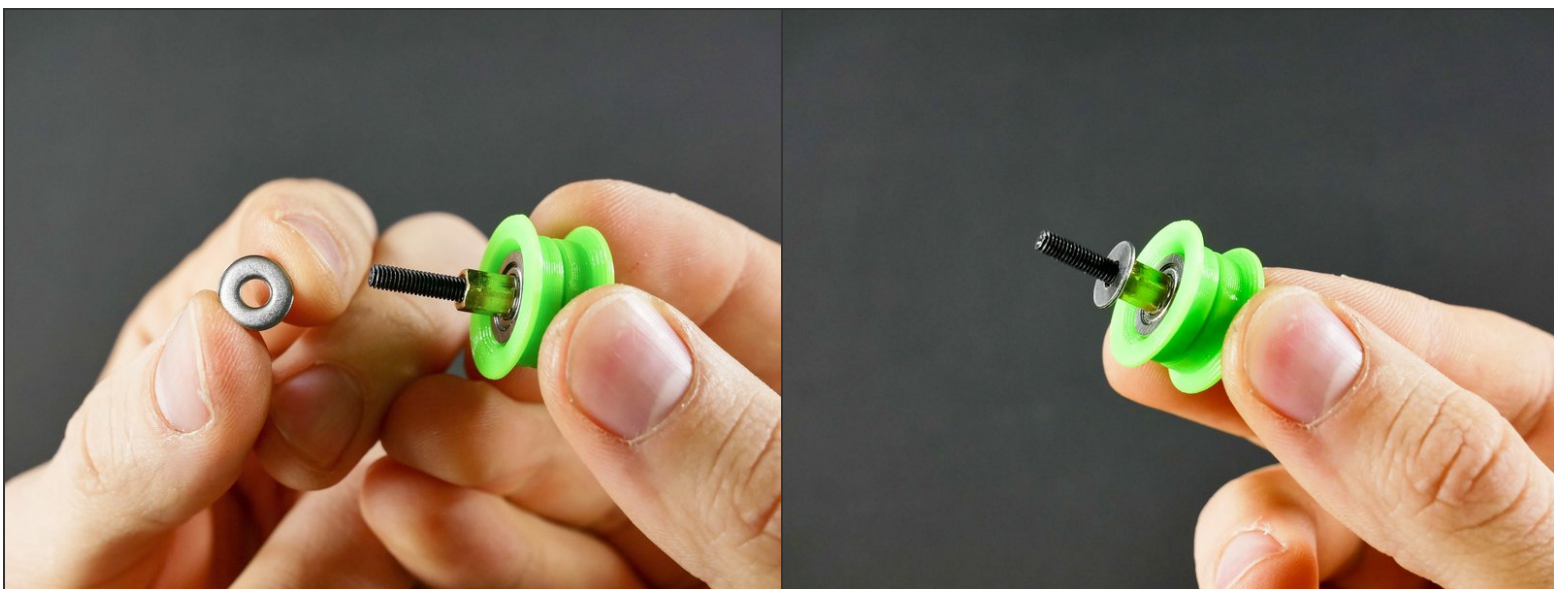


**Step 34 — Looking good!**

## Step 35 — ↳ Install the Y Idler

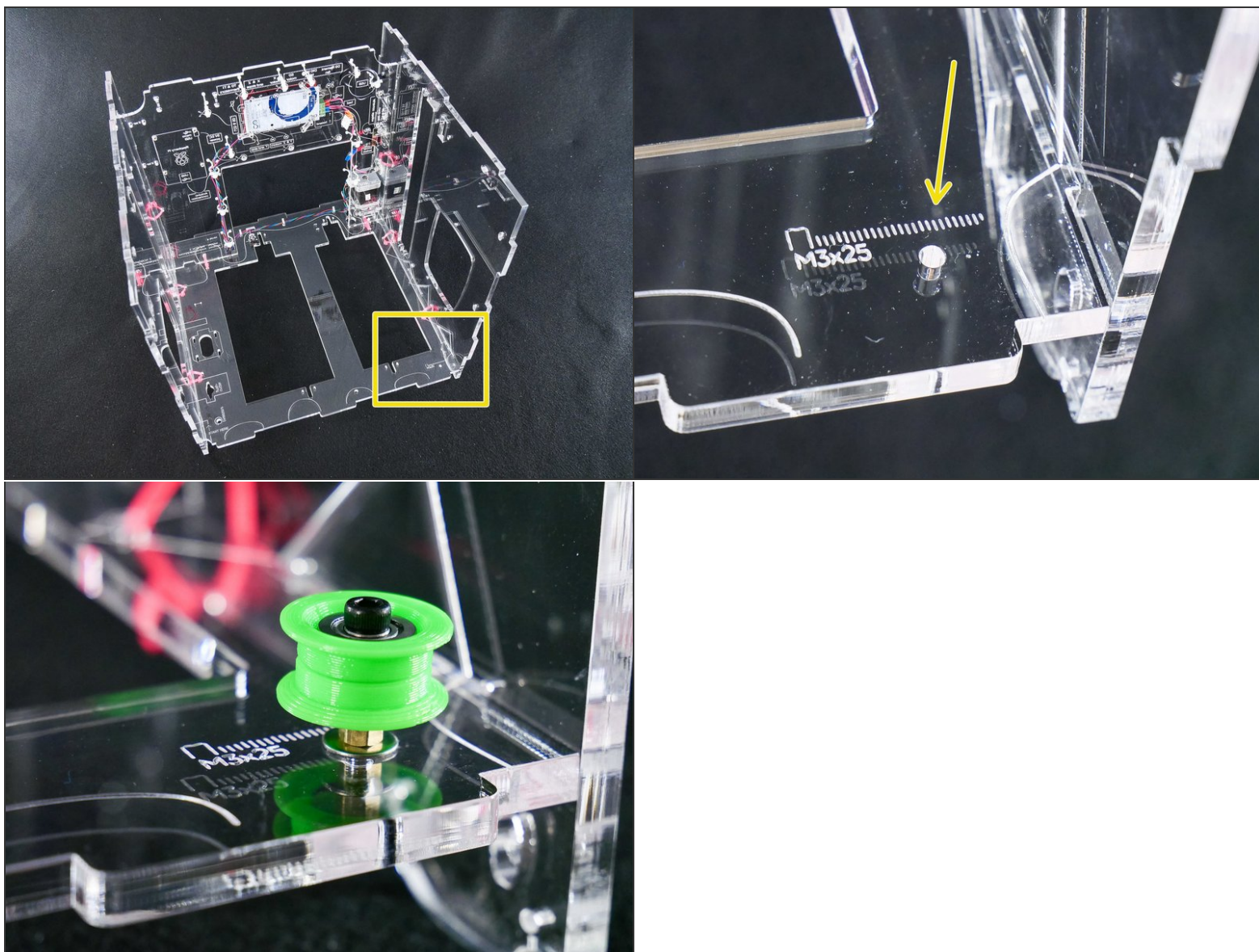


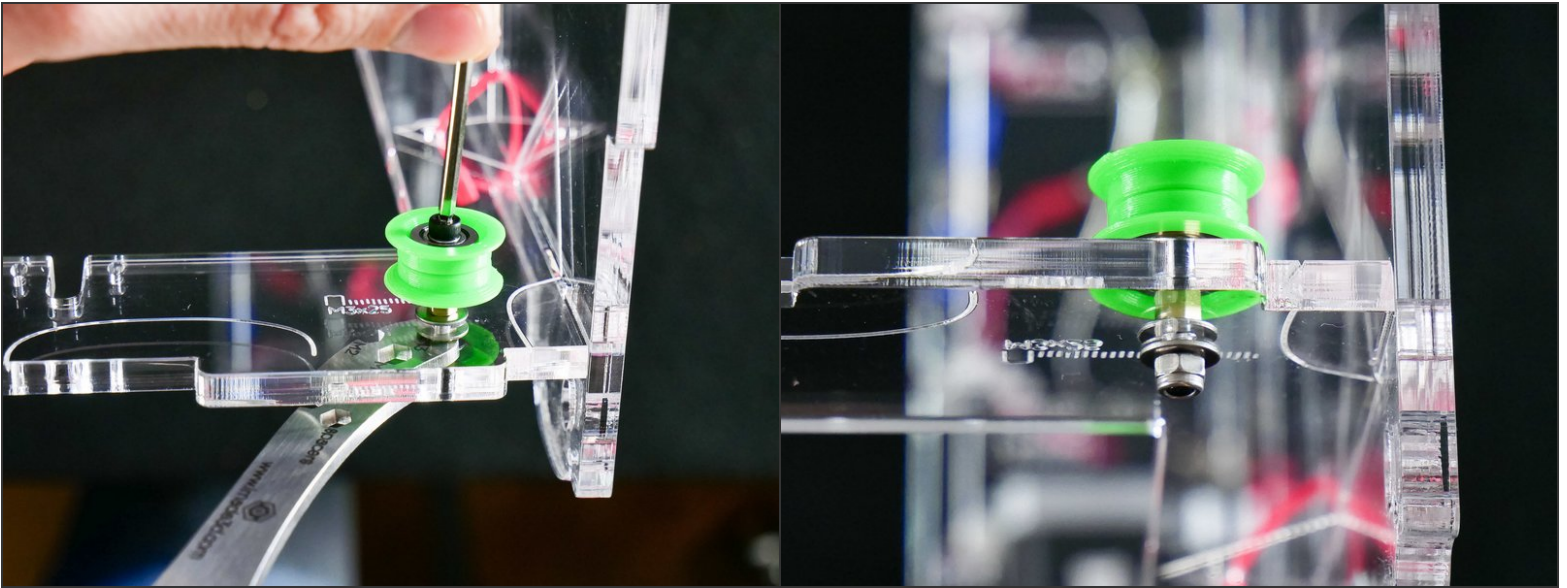
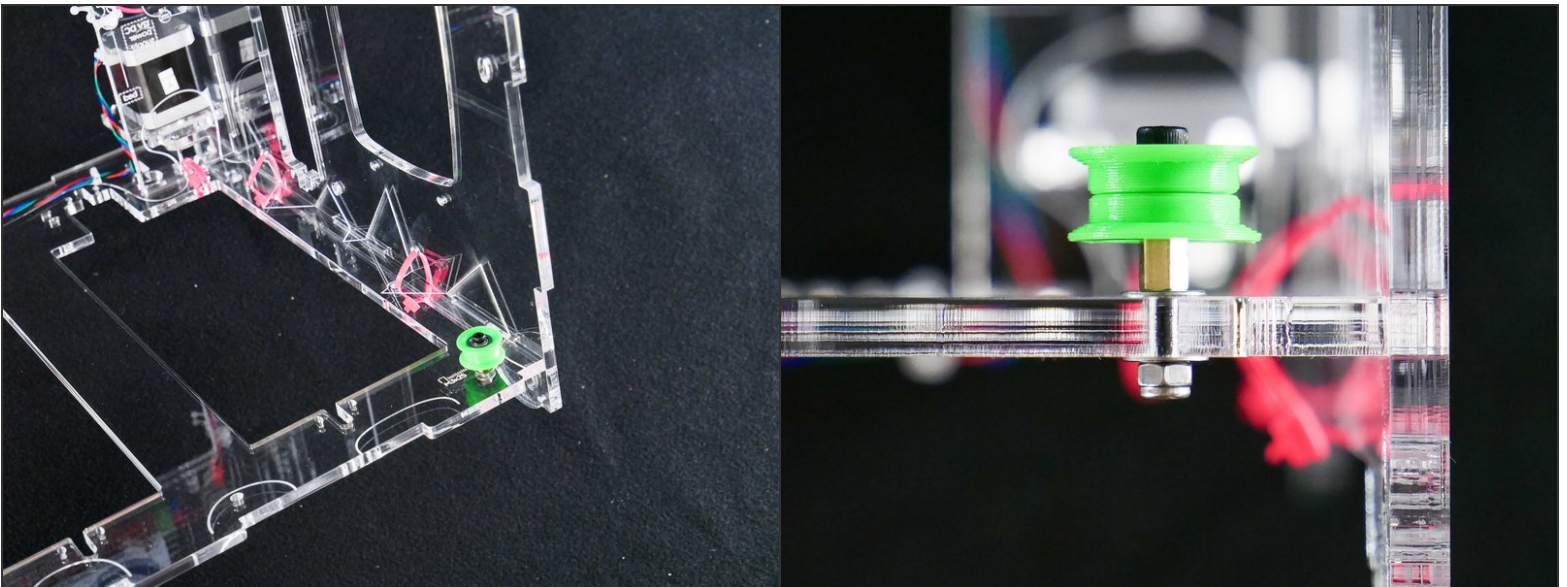
## Step 36





## Step 37



**Step 38****Step 39 — Looking good!**



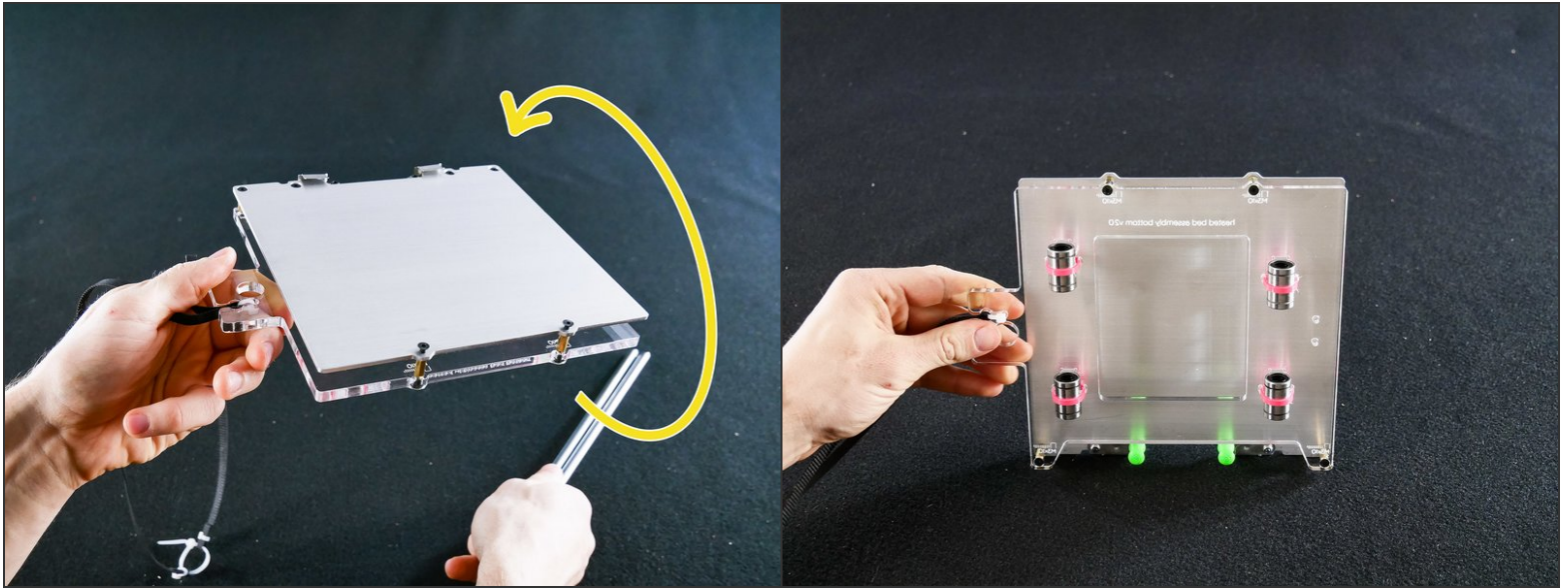
## Step 40 — ↳ Insert the Y Assembly



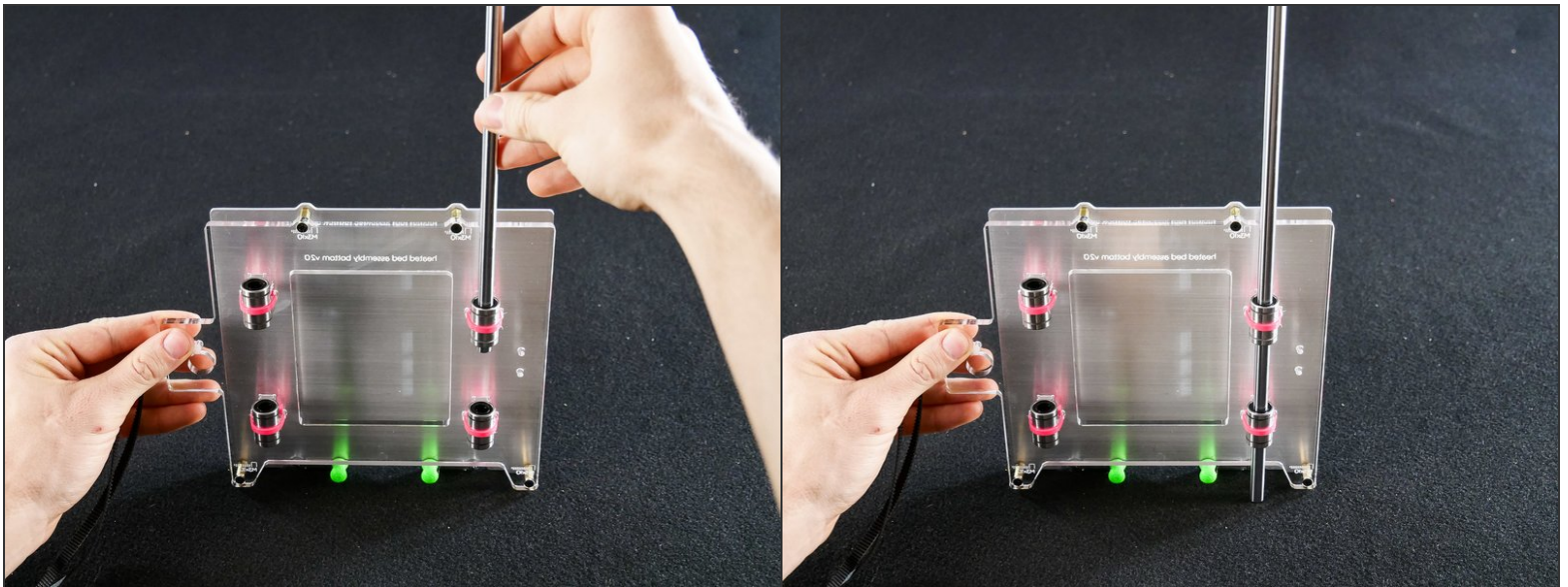
## Step 41



## Step 42



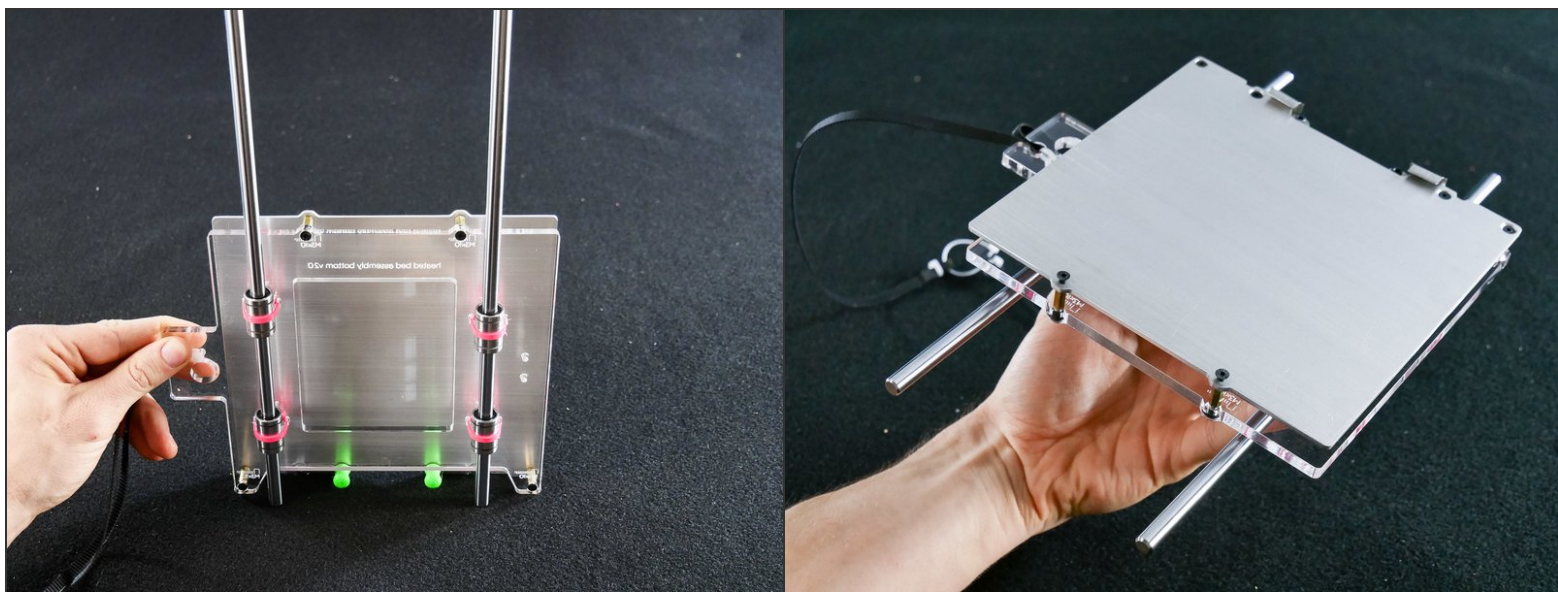
## Step 43



**⚠ Be gentle.** Do no force the rods and keep them straight or you may damage the ball bearing by knocking some balls out.

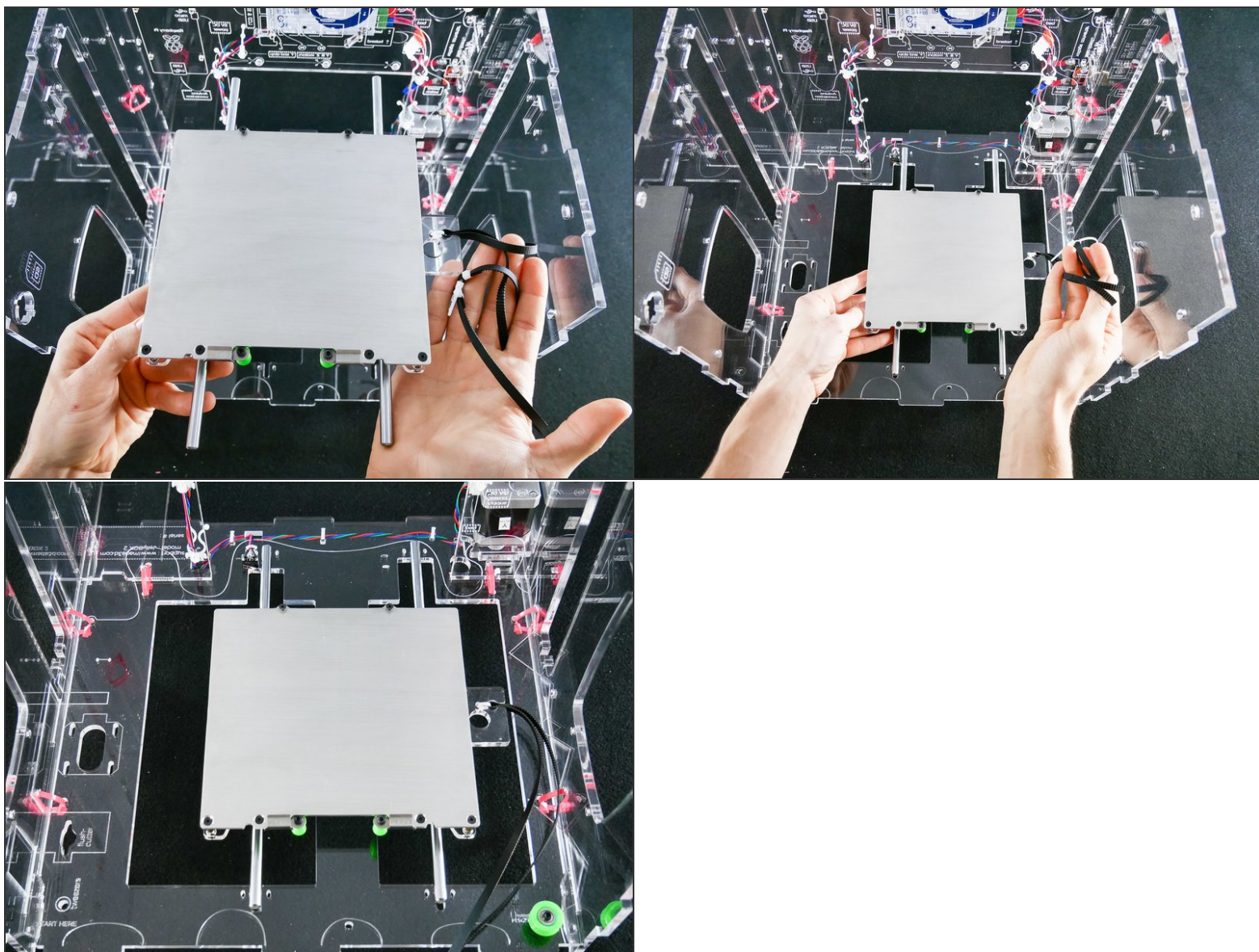


## Step 44



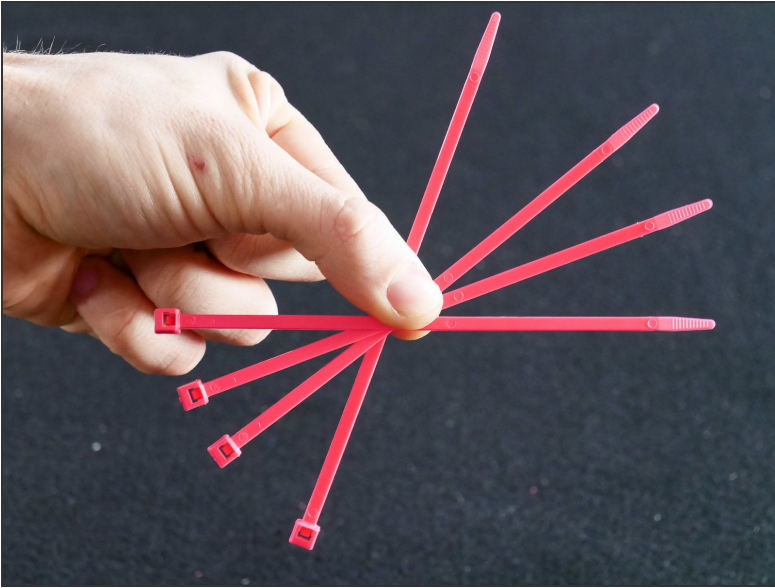
- Check ✓

## Step 45

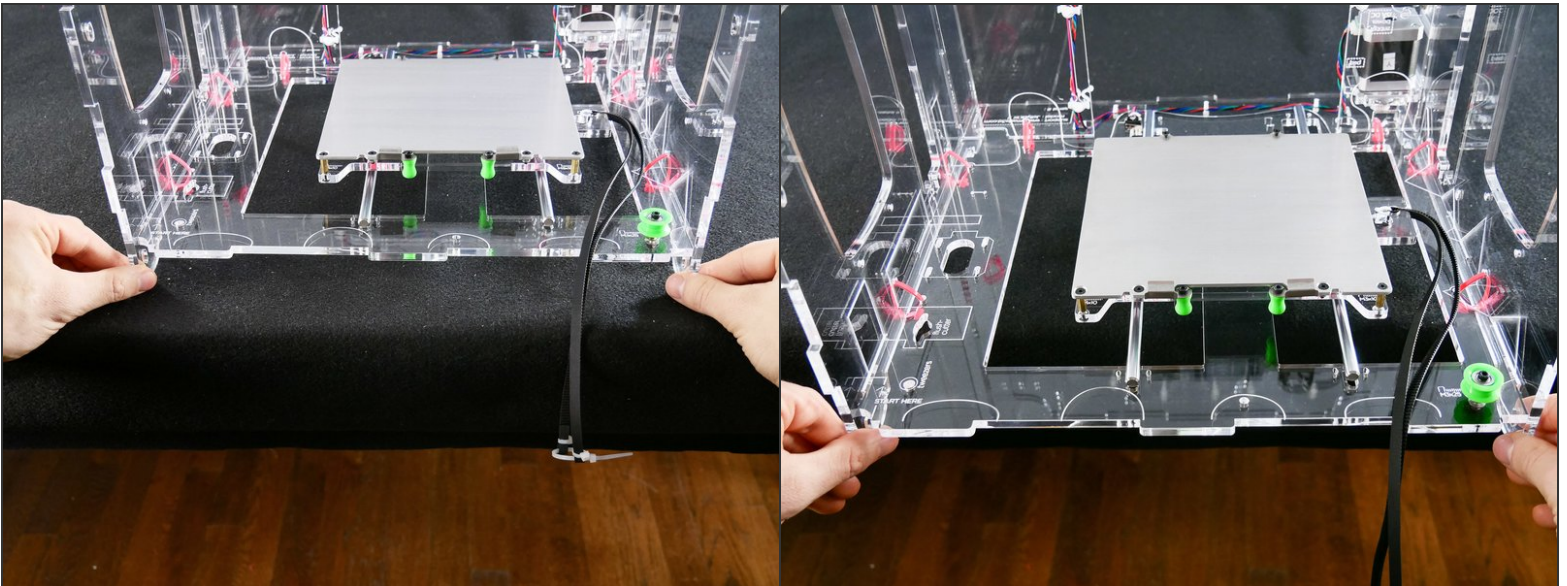




## Step 46



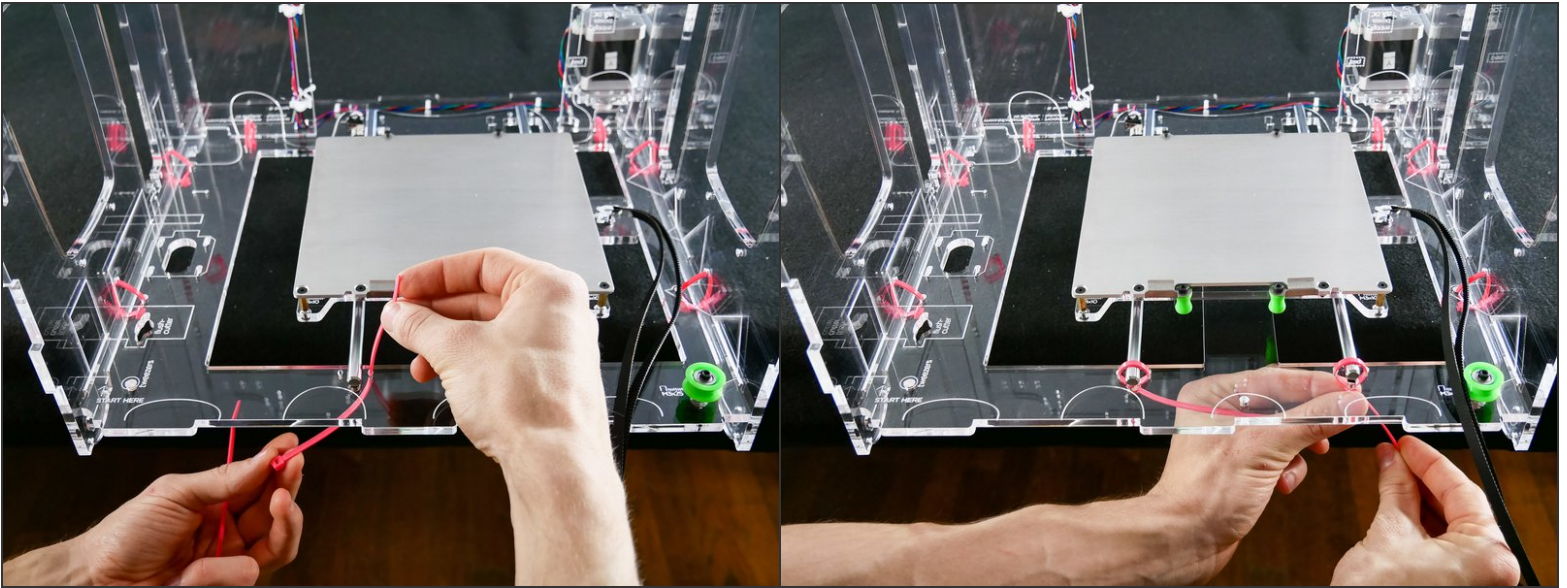
## Step 47



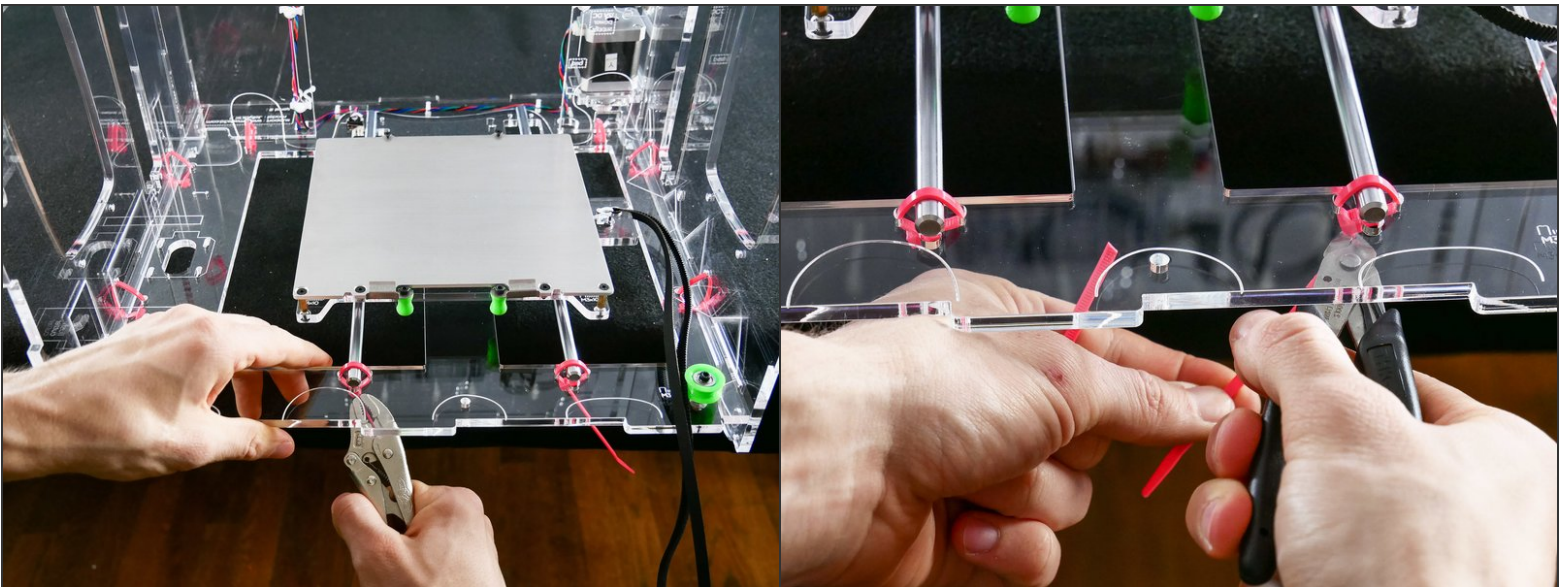
- Place your JellyBOX over the **edge** of a table.



## Step 48

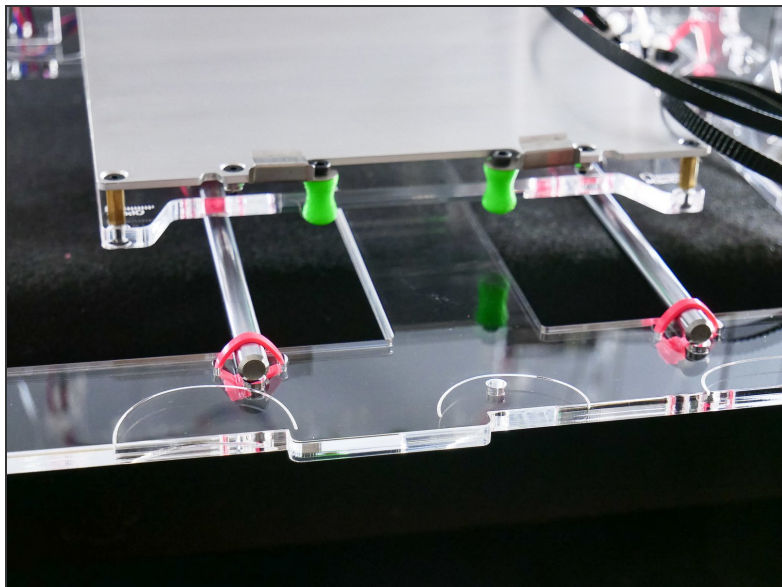


## Step 49

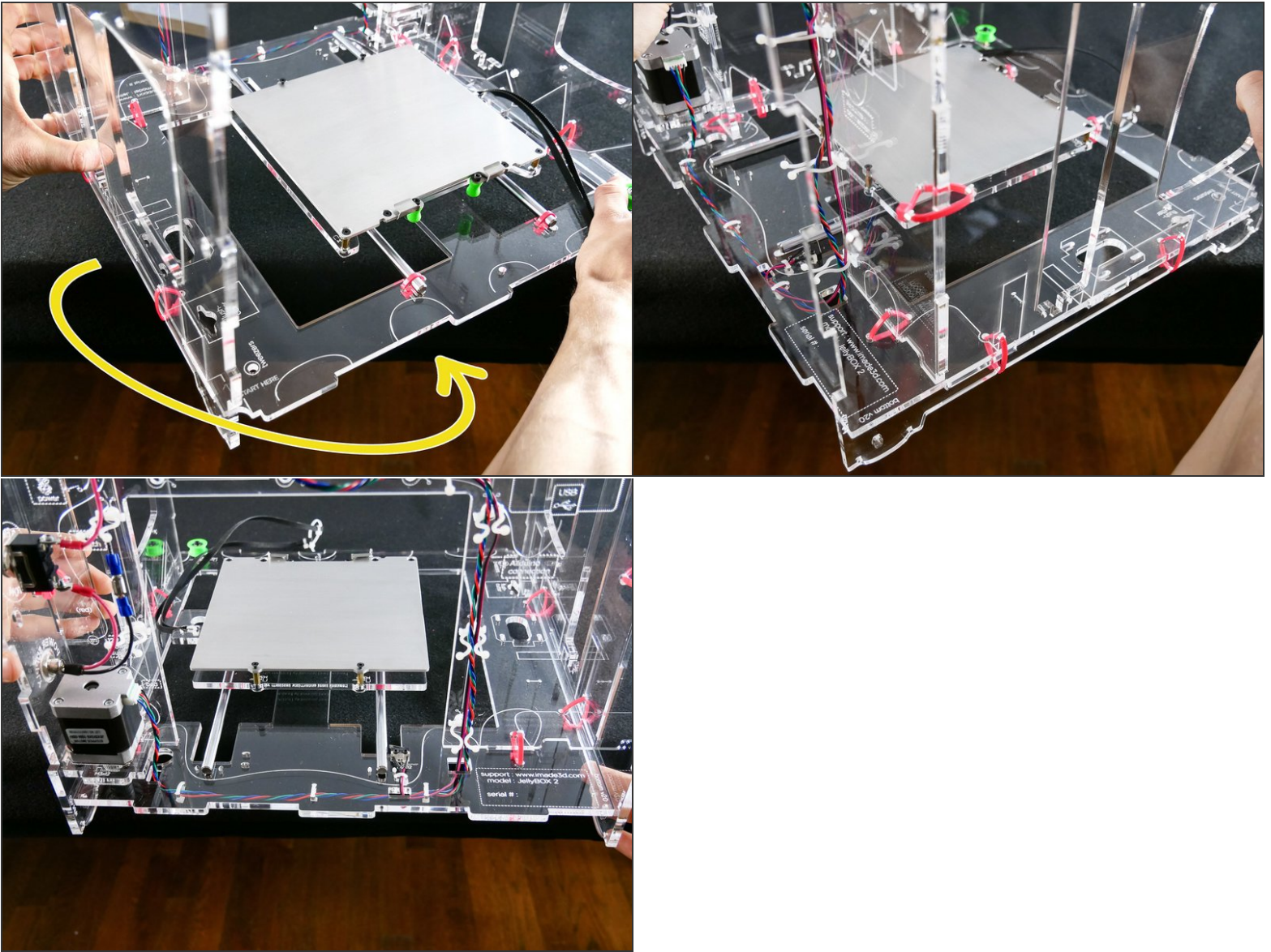




## Step 50

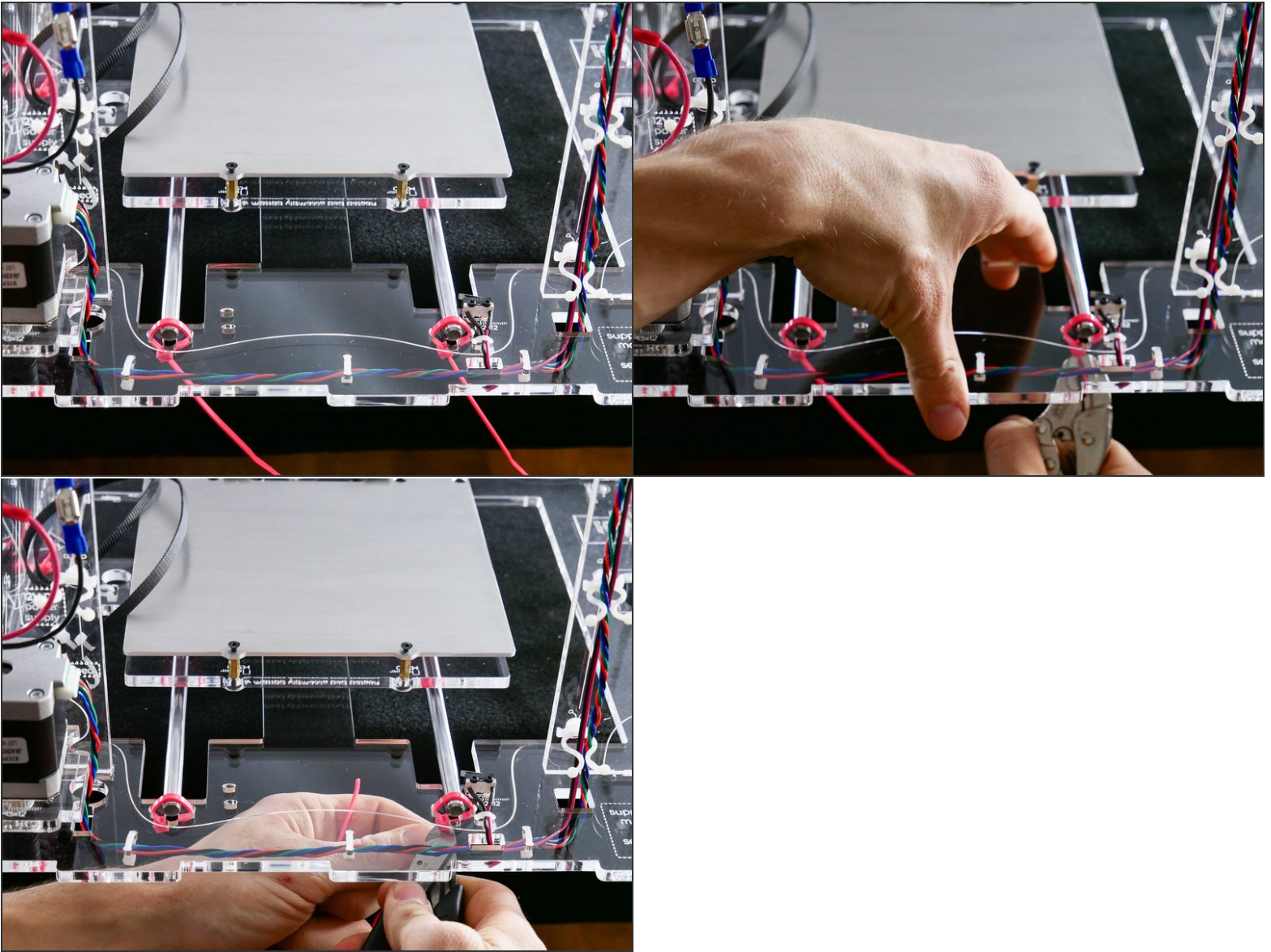


## Step 51

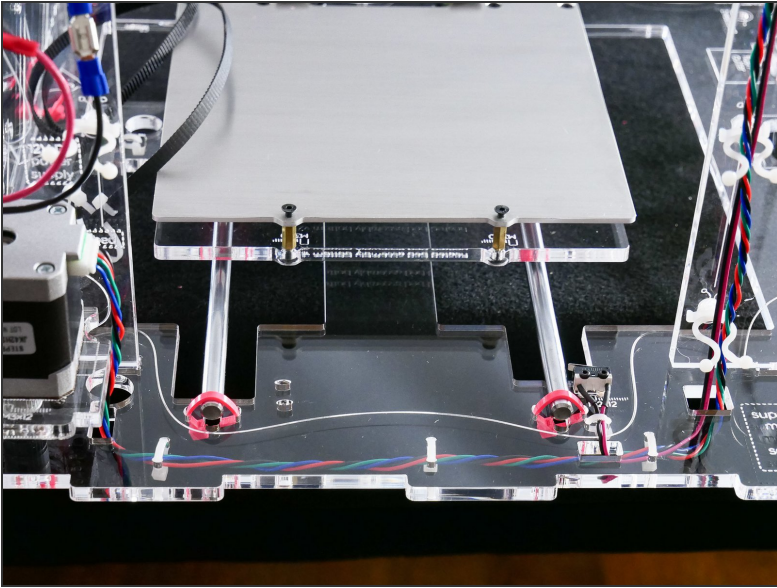




## Step 52



## Step 53 — Looking good!

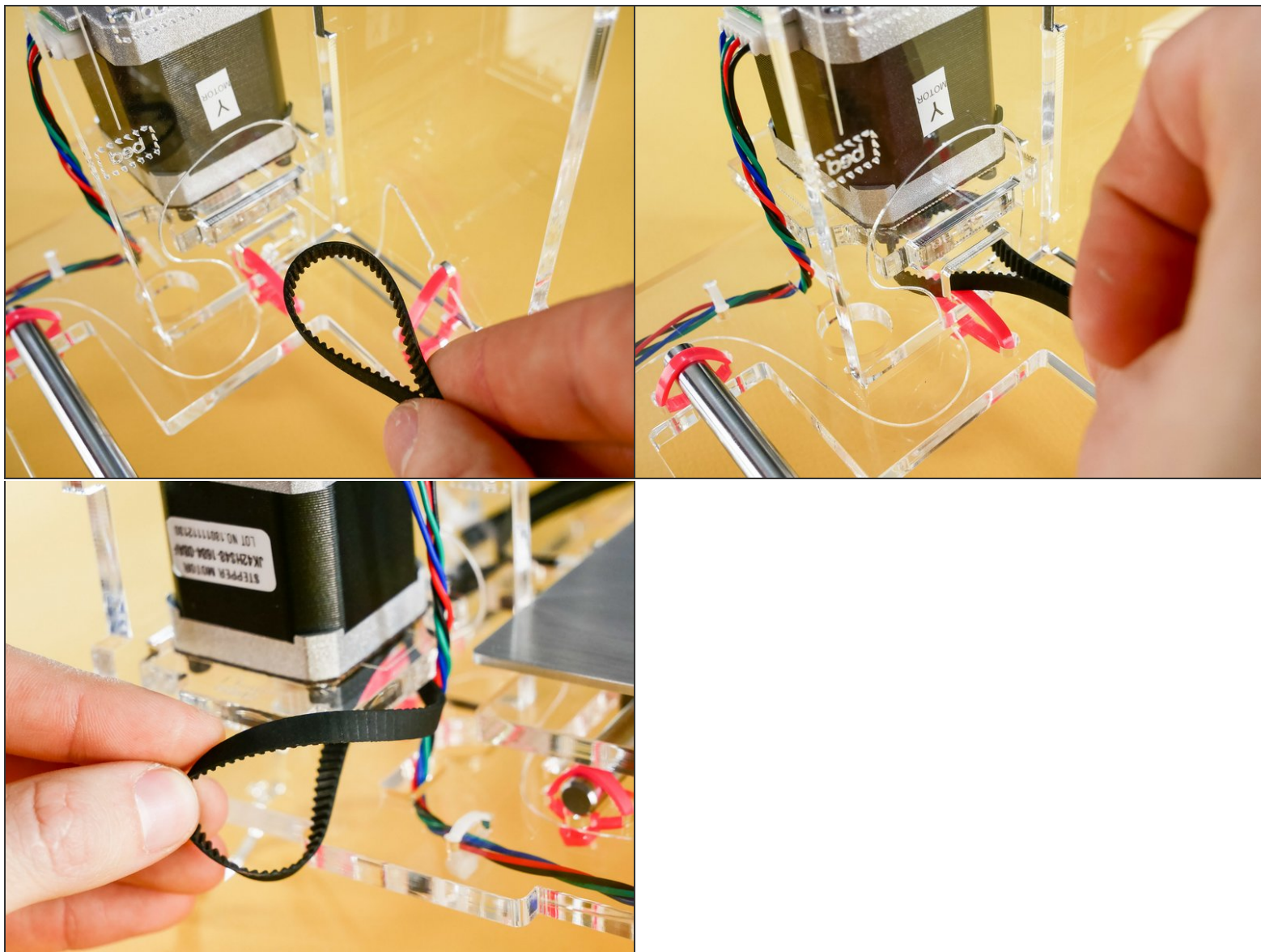


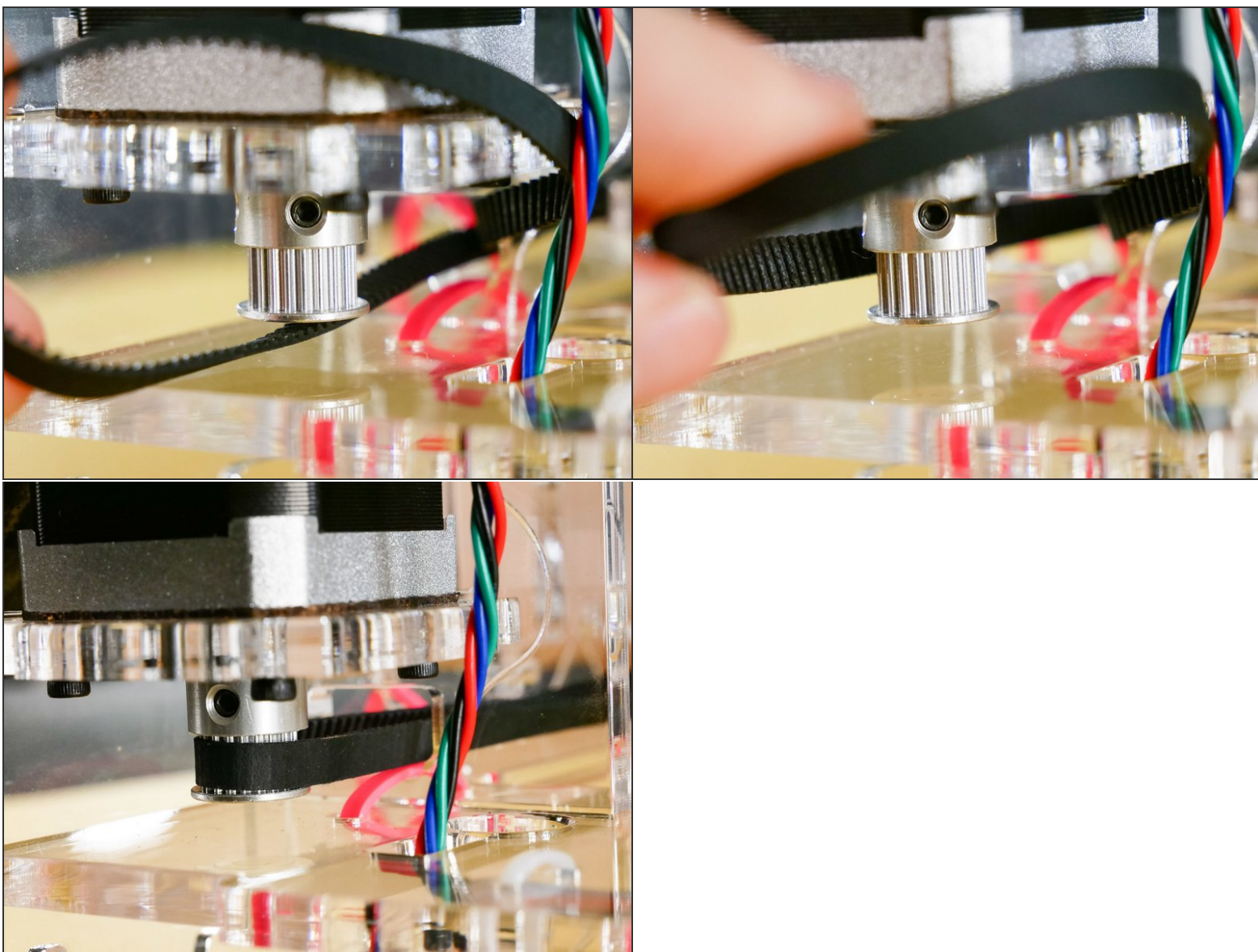
## Step 54 — ↳ Install the Y Belt



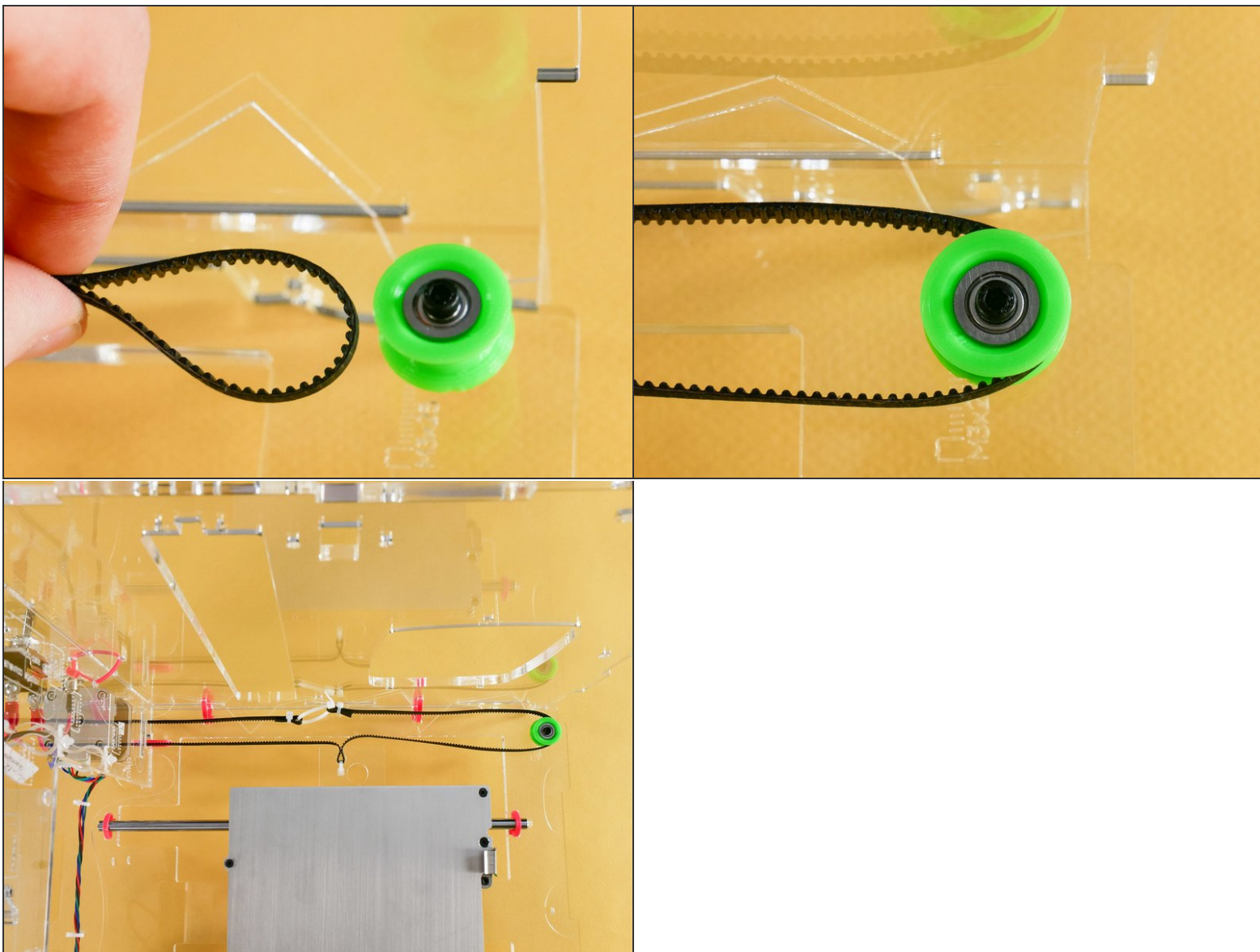


## Step 55

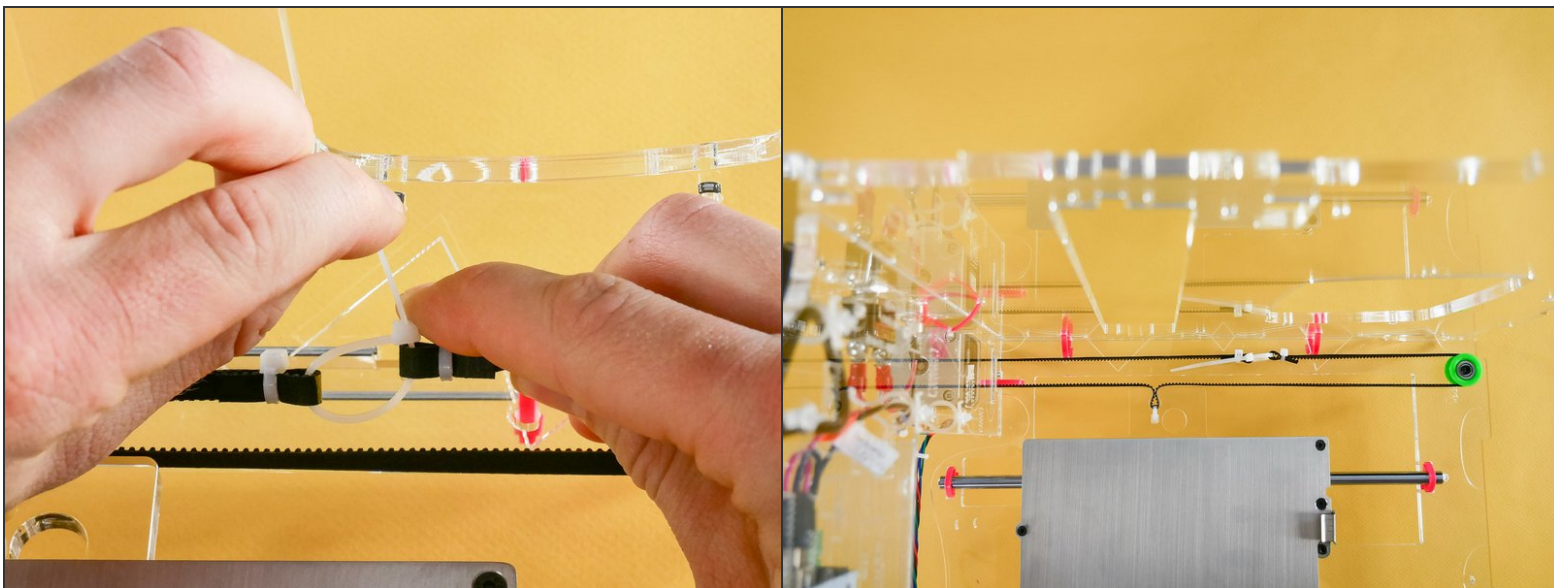


**Step 56**



**Step 57**

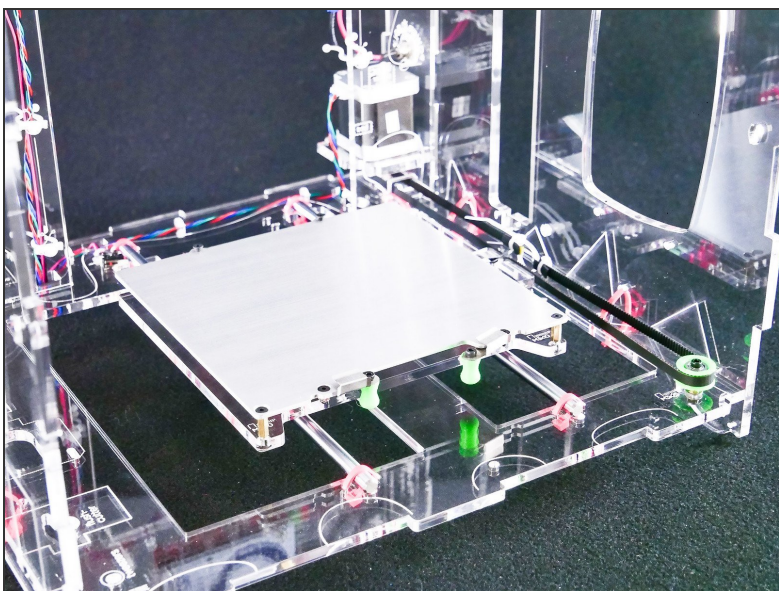
## Step 58



- Lightly tension the belt.

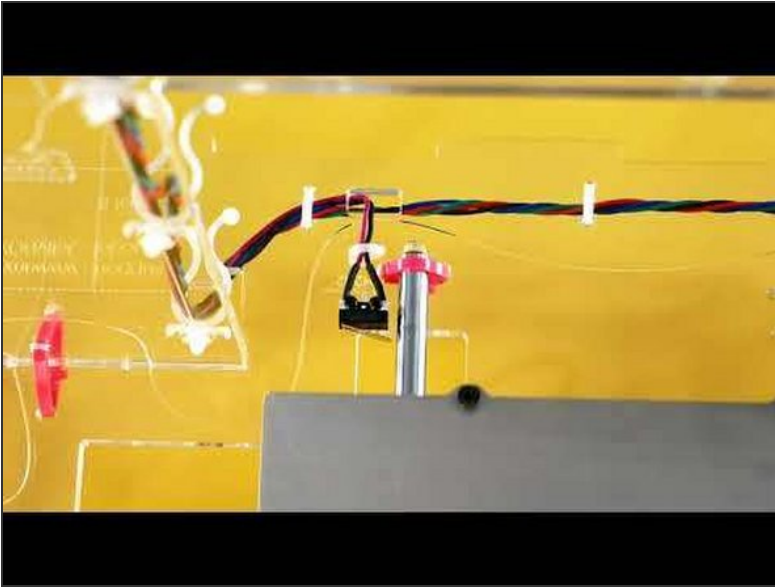
⚠ We'll dial in the belt tension later, when the whole frame is finished.

## Step 59 — Looking good!





## Step 60 — ► Video: Y Mechanical Checkpoint (25s)



- ► Video: Y Mechanical Checkpoint (25s)
- ⚠ Do not move too fast. You are generating current by forcing the motor to rotate. If you generate too much current, you could damage your electronics; namely the drivers.
- ⚠ Make sure that the Y EndStop gets engaged by one of a Y Assembly bearings. There's an audible **click**.
- Make sure the Y assembly is moving smoothly.