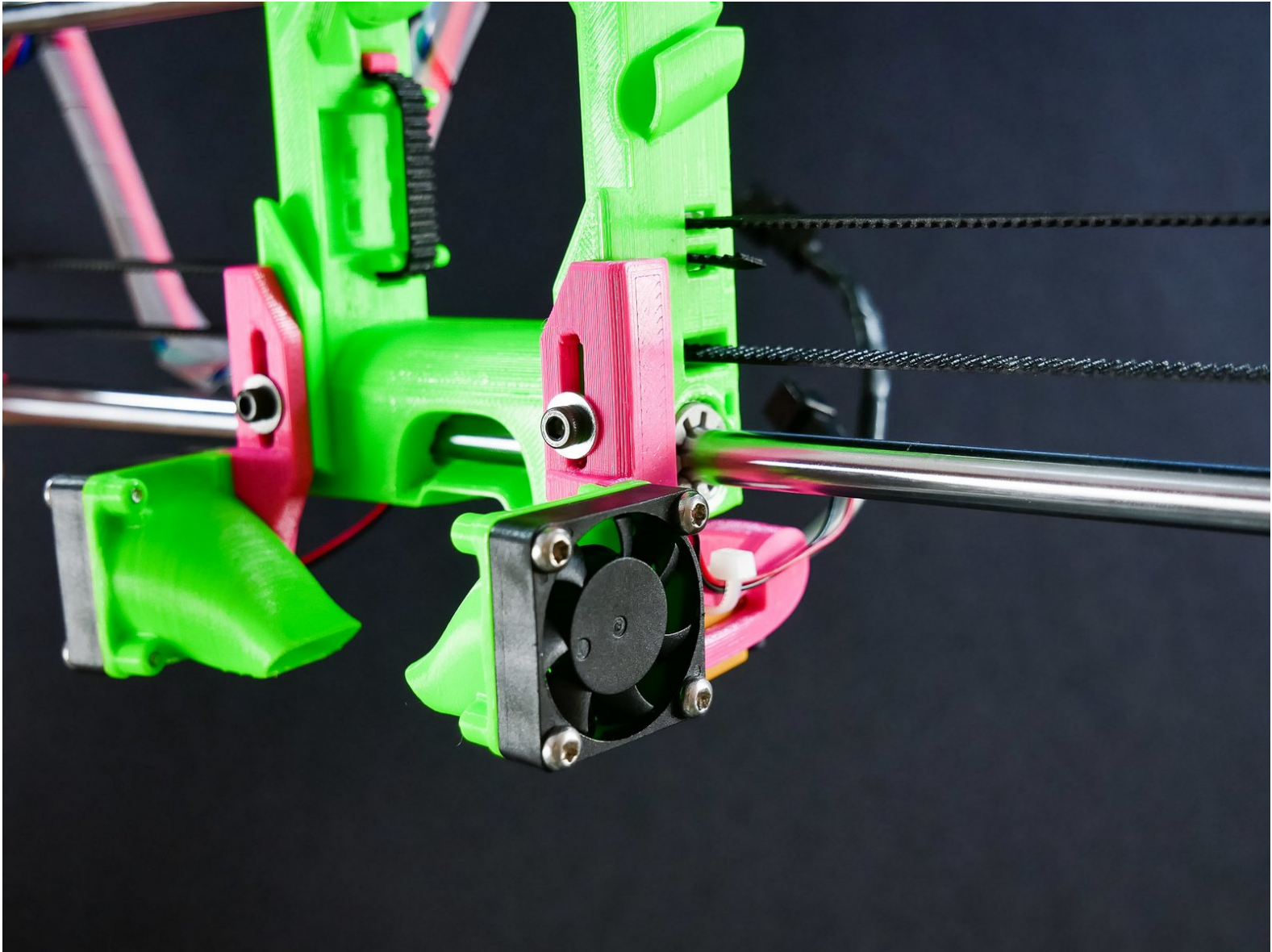
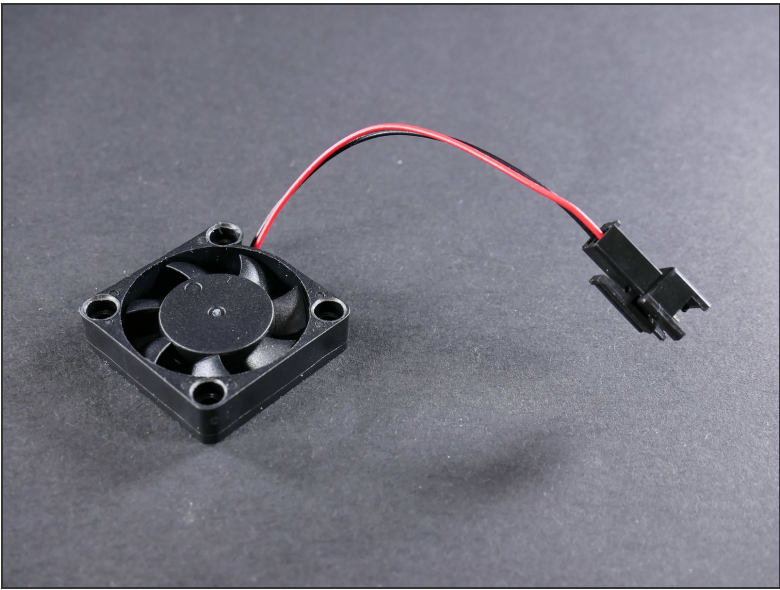




## 03. X Assembly Fans and the Z Probe



Step 1 — ↳ Prep the Left Filament Fan



Step 2

M3 'nylock' locking nut

M3 oversized washer

M3 serrated washer

socket head screw M2x12

M3 plastite screw

flat head screw M3x8

flat head screw M3x10

flat head screw M3x25

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

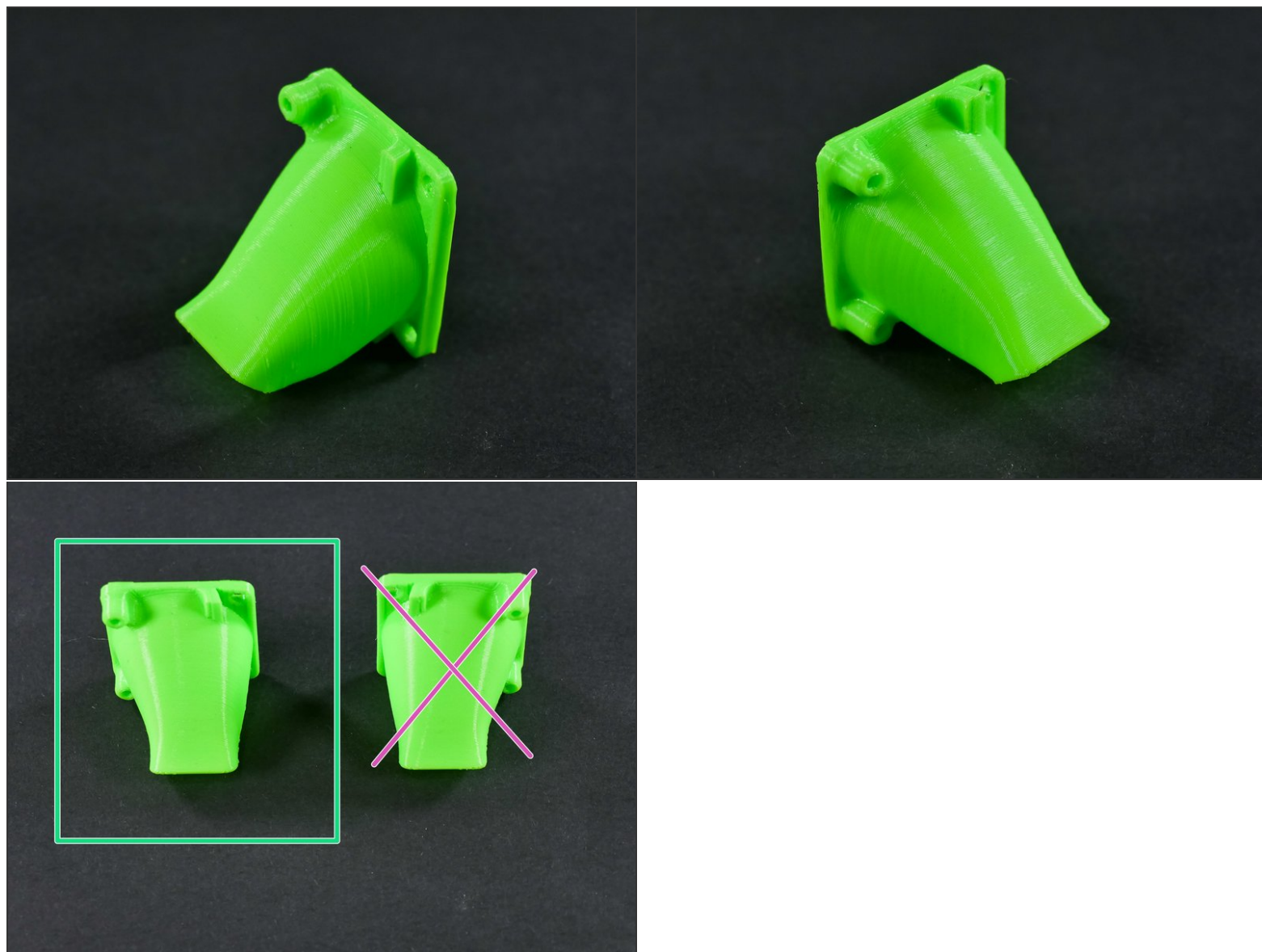
feeder

electronics 'dogbone' stand-offs

spare parts

4\*

- M3x15 plastite screw

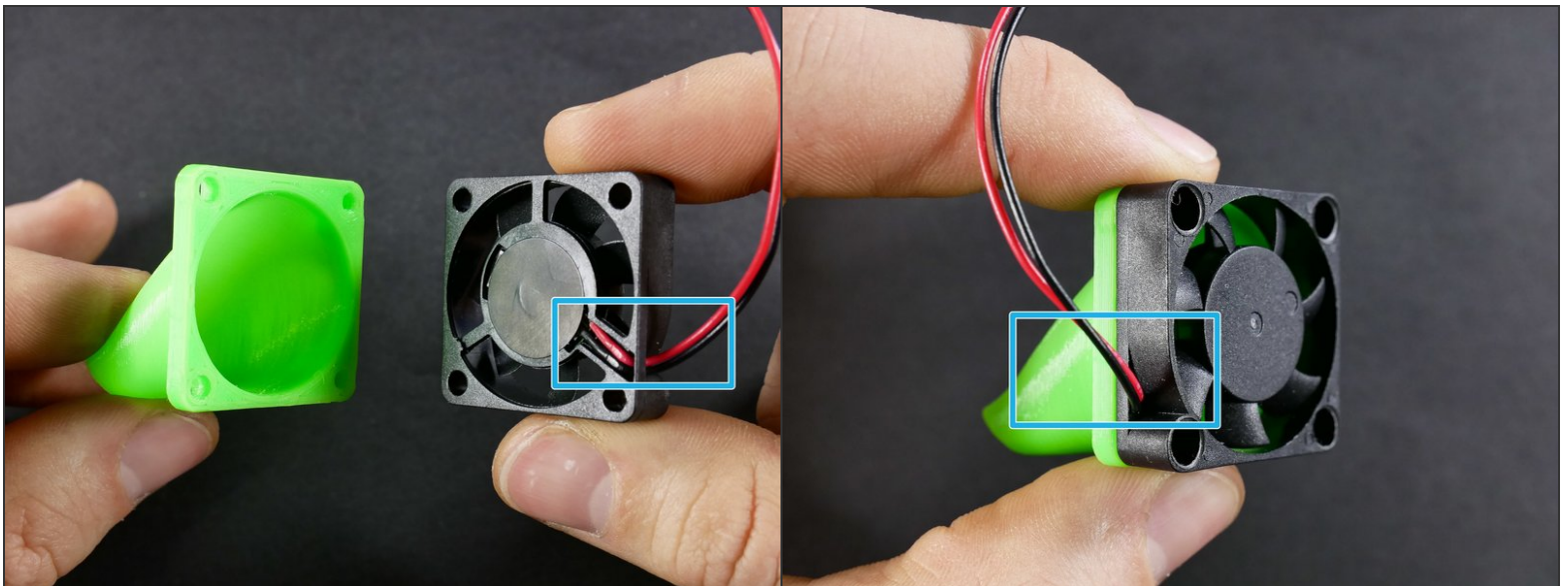
**Step 3**



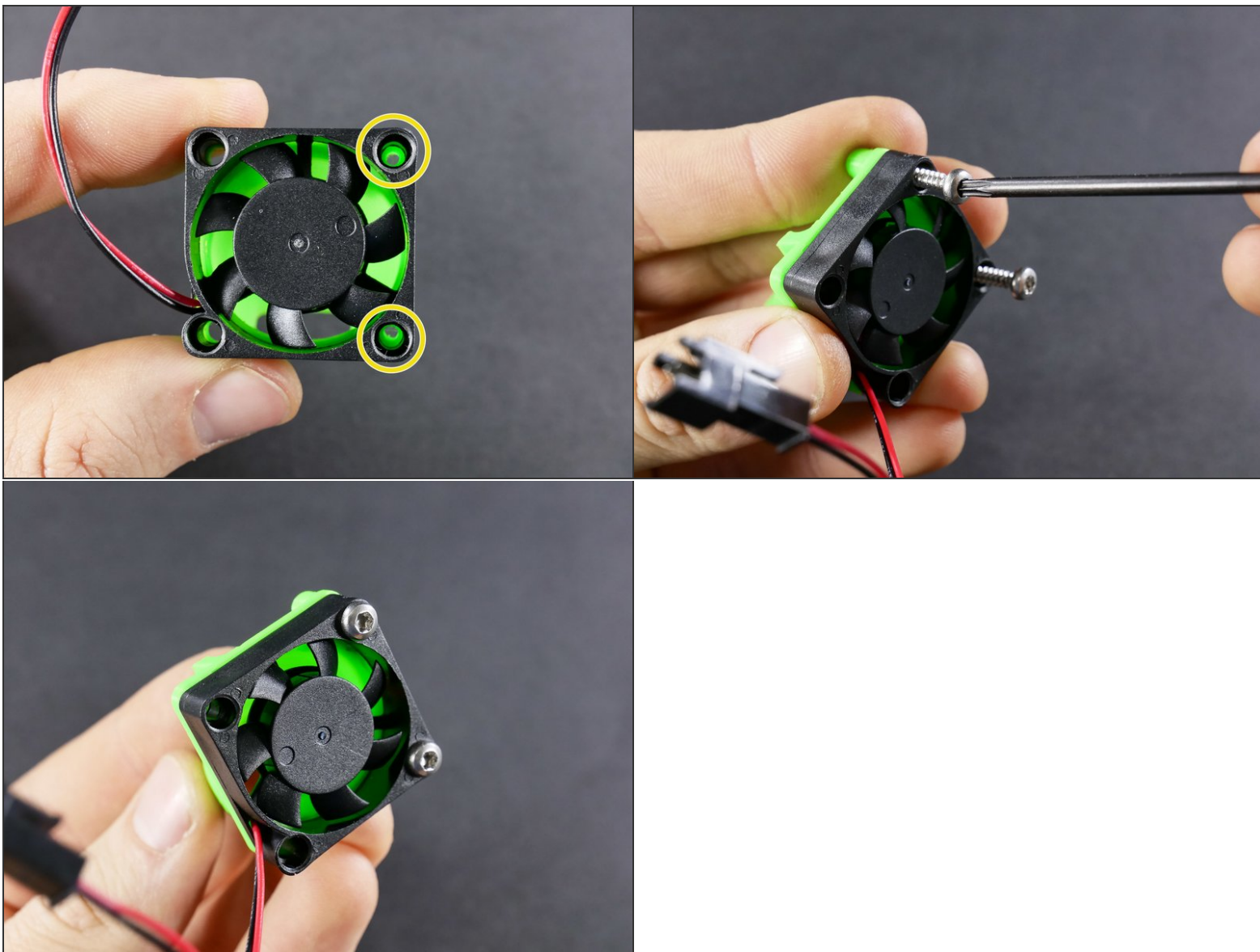
## Step 4



## Step 5

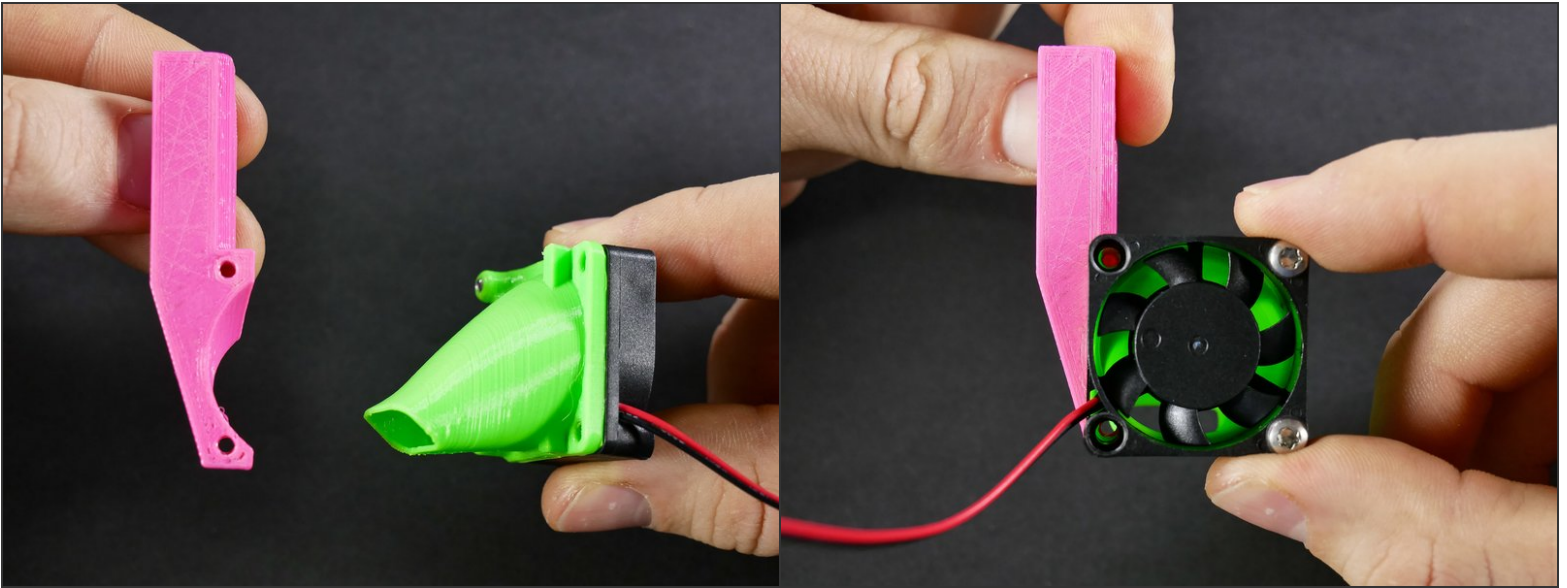


## Step 6

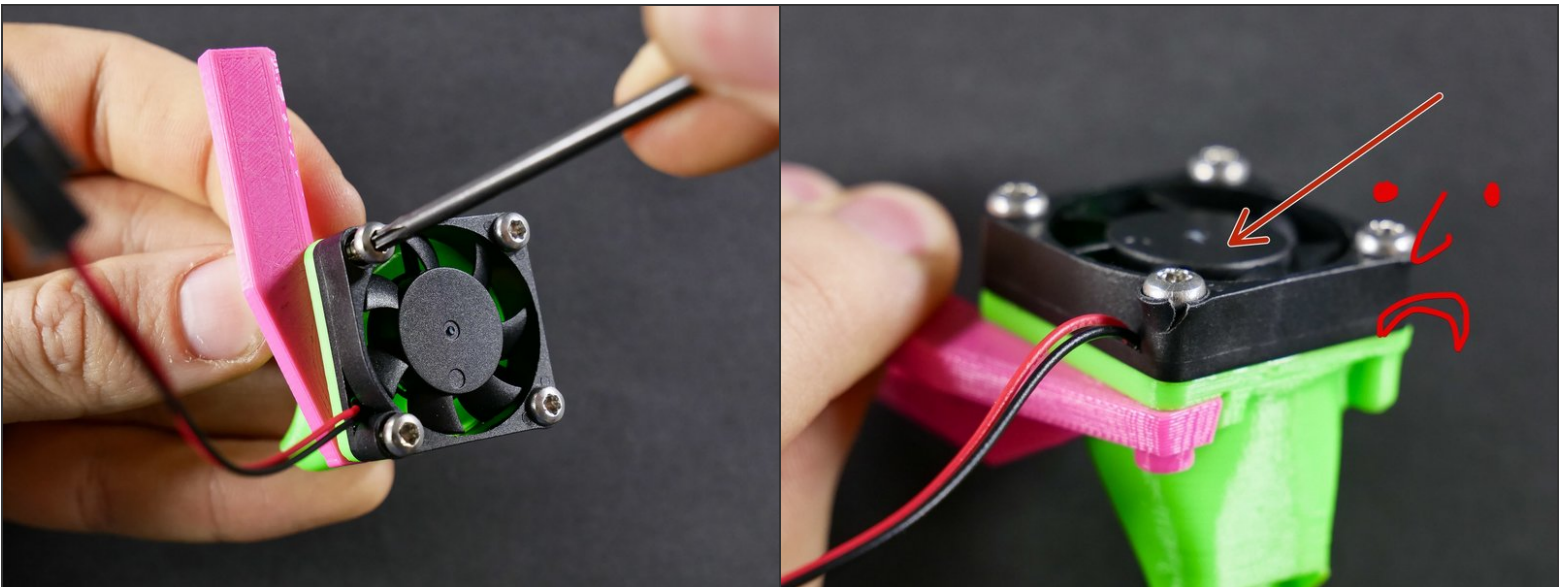




## Step 7



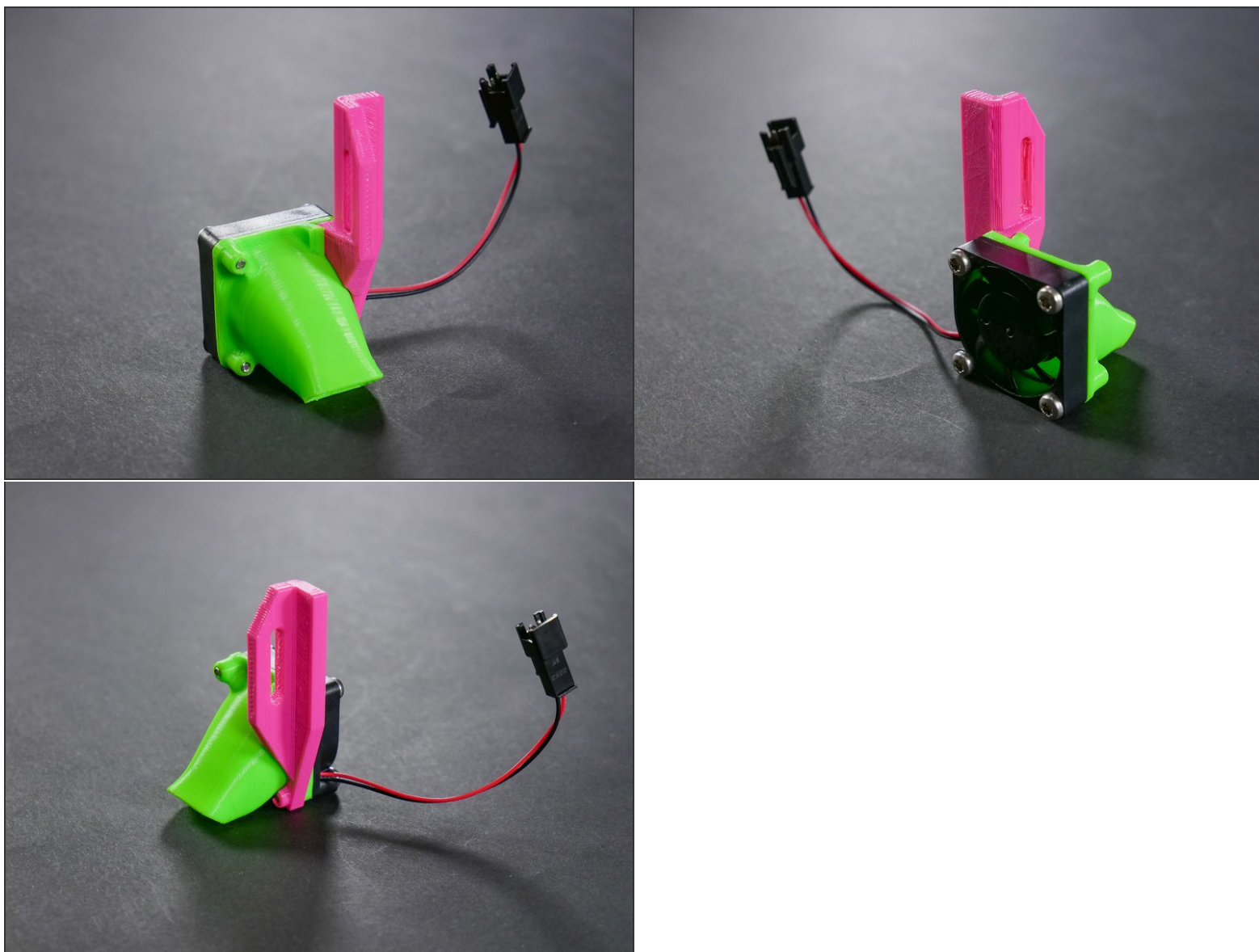
## Step 8



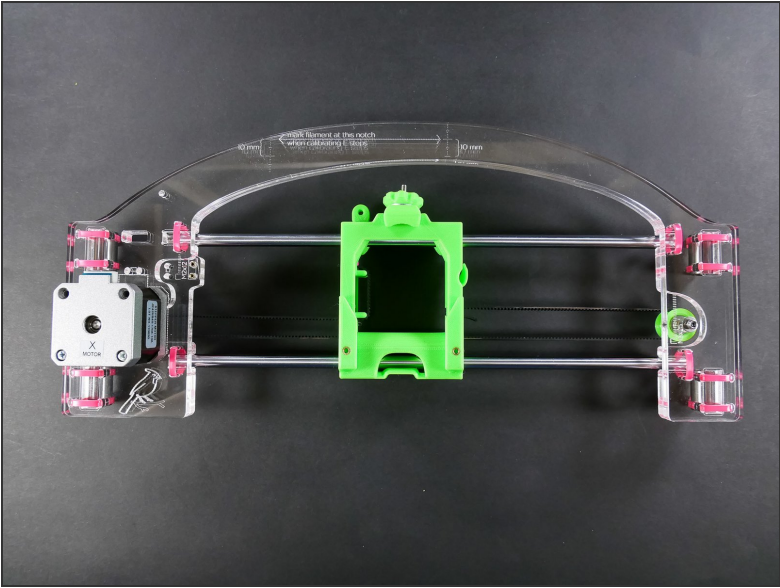
⚠ As usual, don't over-tighten ;-)

ⓘ These are specialty 'plastite' screws that resist vibrations. Tightening too much will only damage your parts.

## Step 9 — It's done!



Step 10 — ↪ Install the Left Filament Fan



Step 11

M3 'nylock' locking nut

M3 oversized washer

M3 serrated washer

socket head screw M2x12 12mm

M3 plastite screw

flat head screw M3x8 8mm

1\*

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

1\*

idlers

Y-assembly

feeder

electronics 'dogbone' stand-offs

spare parts

- M3x12

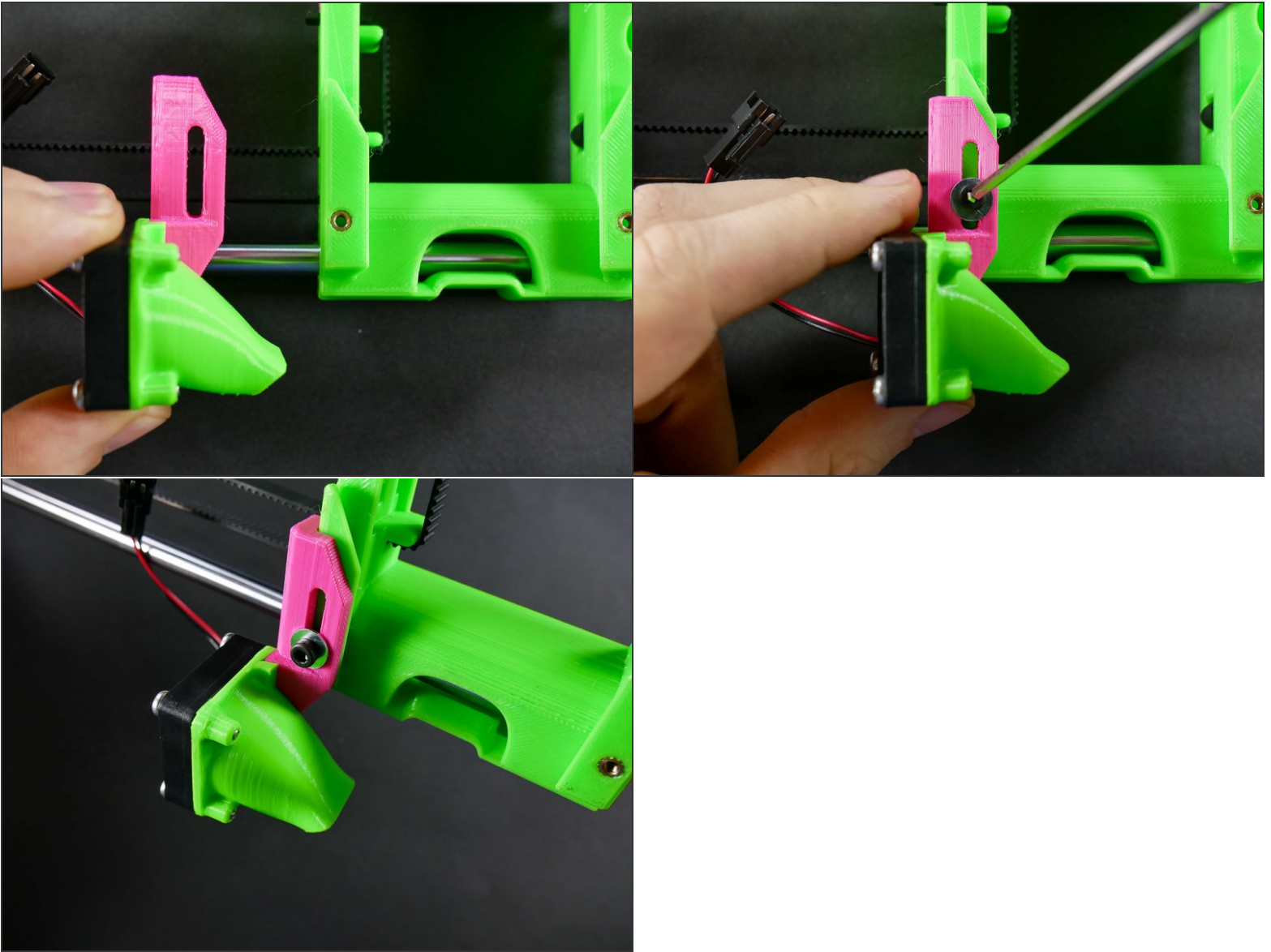


## Step 12



- M3x12

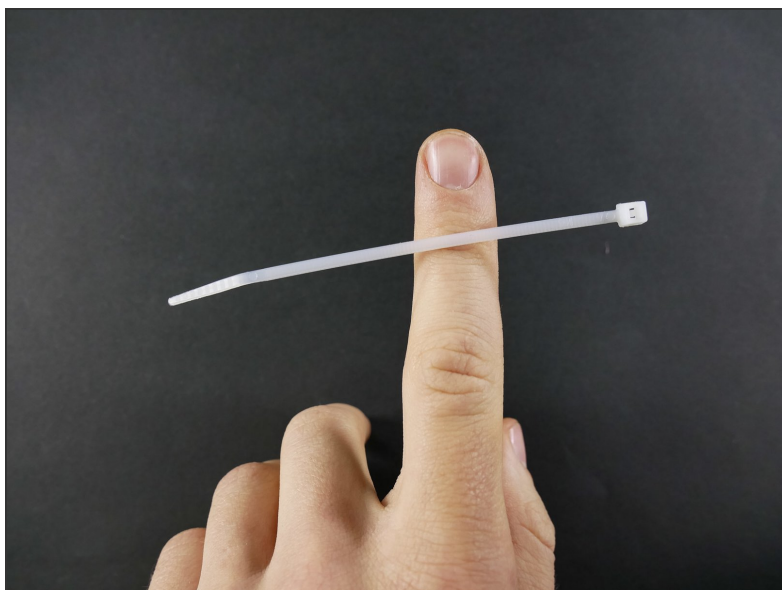
## Step 13



### ⚠ Do NOT over-tighten.

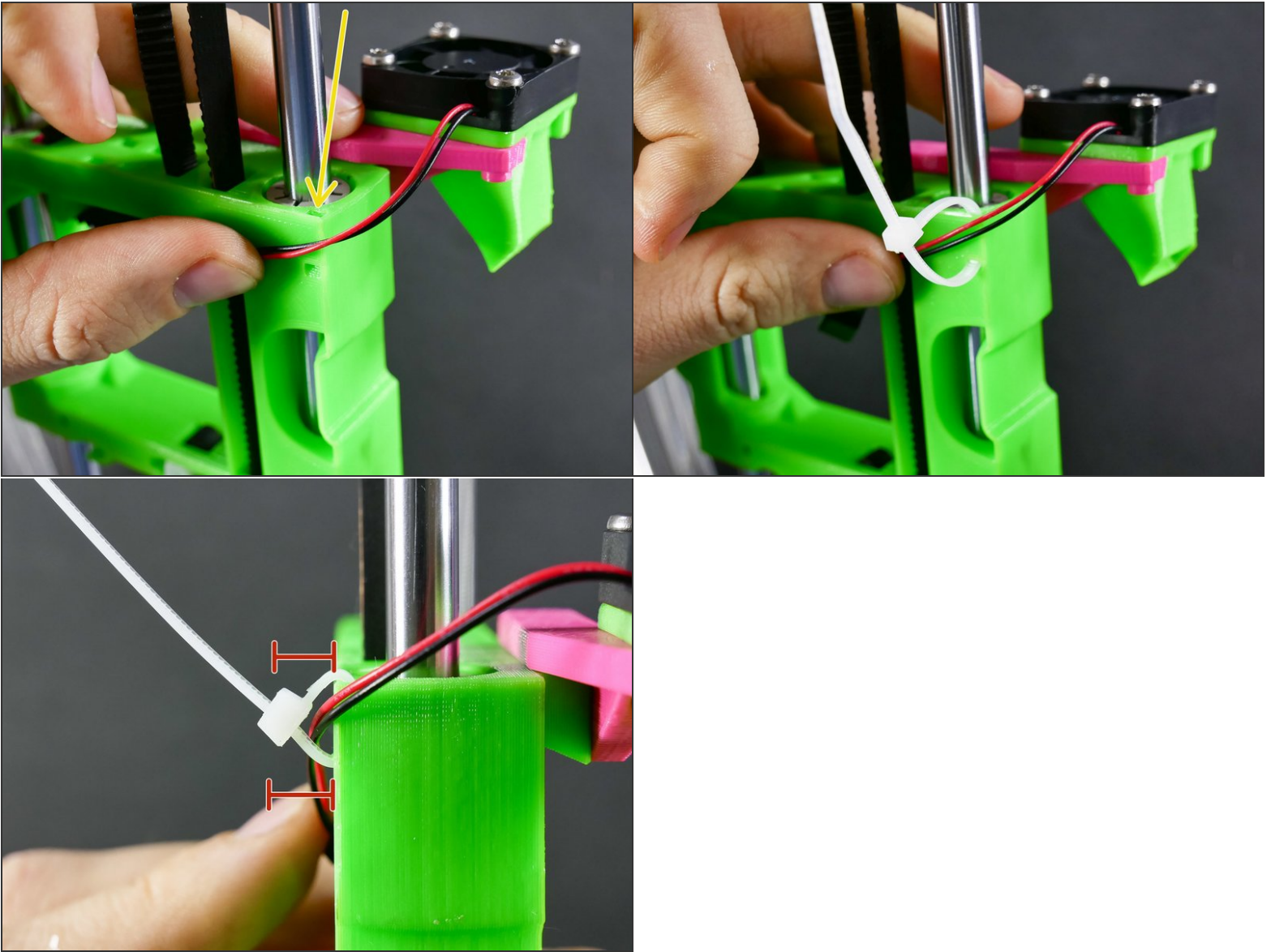
- There's absolutely no need to tighten the screw with all your force. You could **break your fan mount** or even **pull out the brass** threaded insert from the x carriage.
- The springiness of the part will provide some pressure to resist vibrations, but **only if you do not over-tighten** the screw.
- (M3x12)

## Step 14



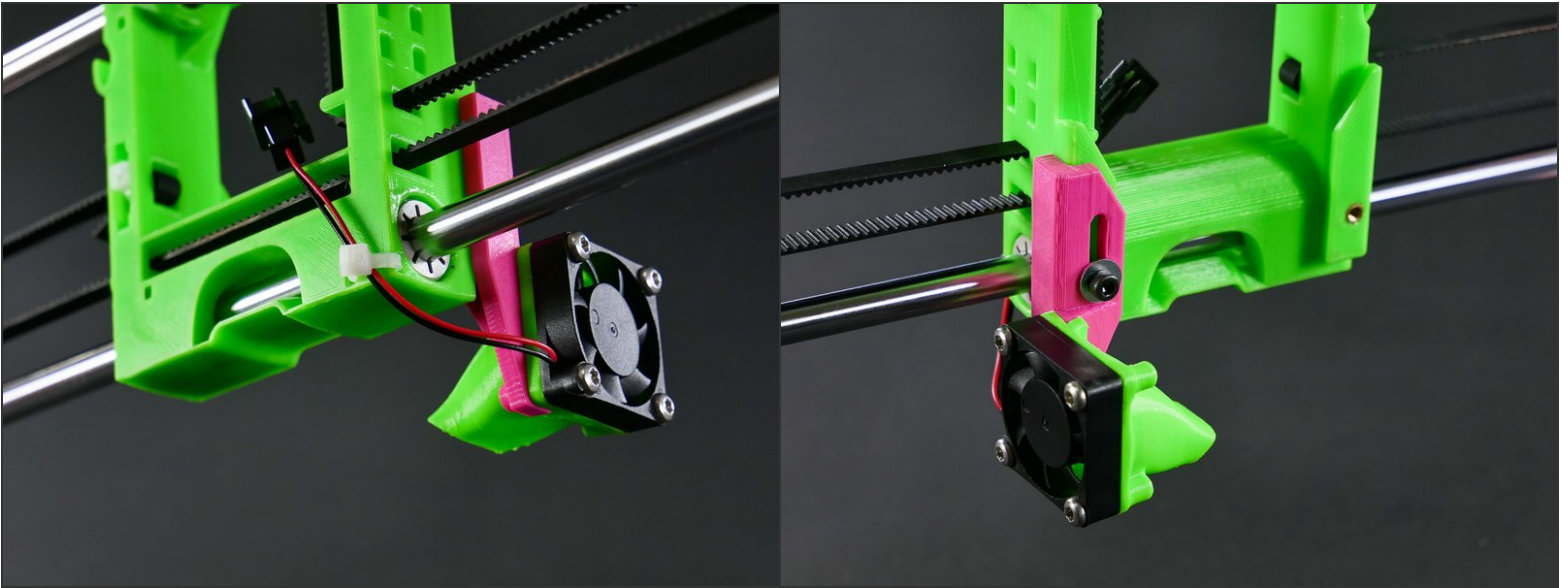


## Step 15

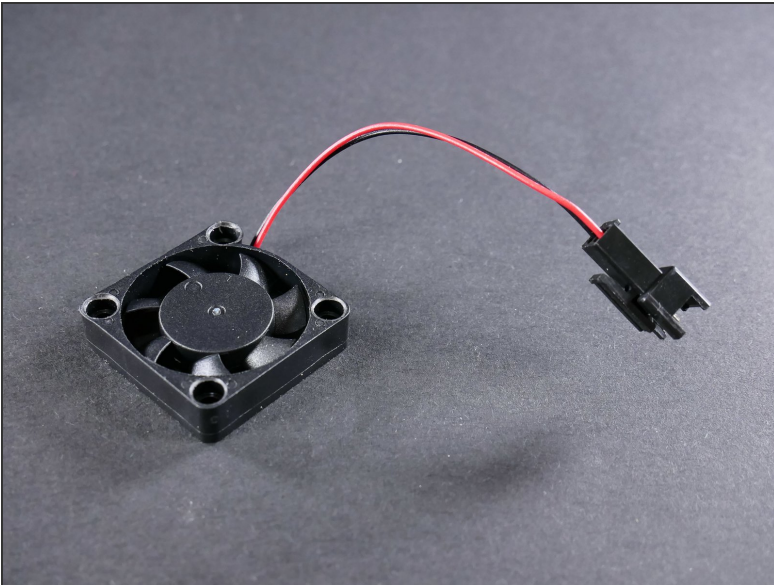


⚠ Leave the zip tie a bit **loose**. The wire should be able to **slide**.

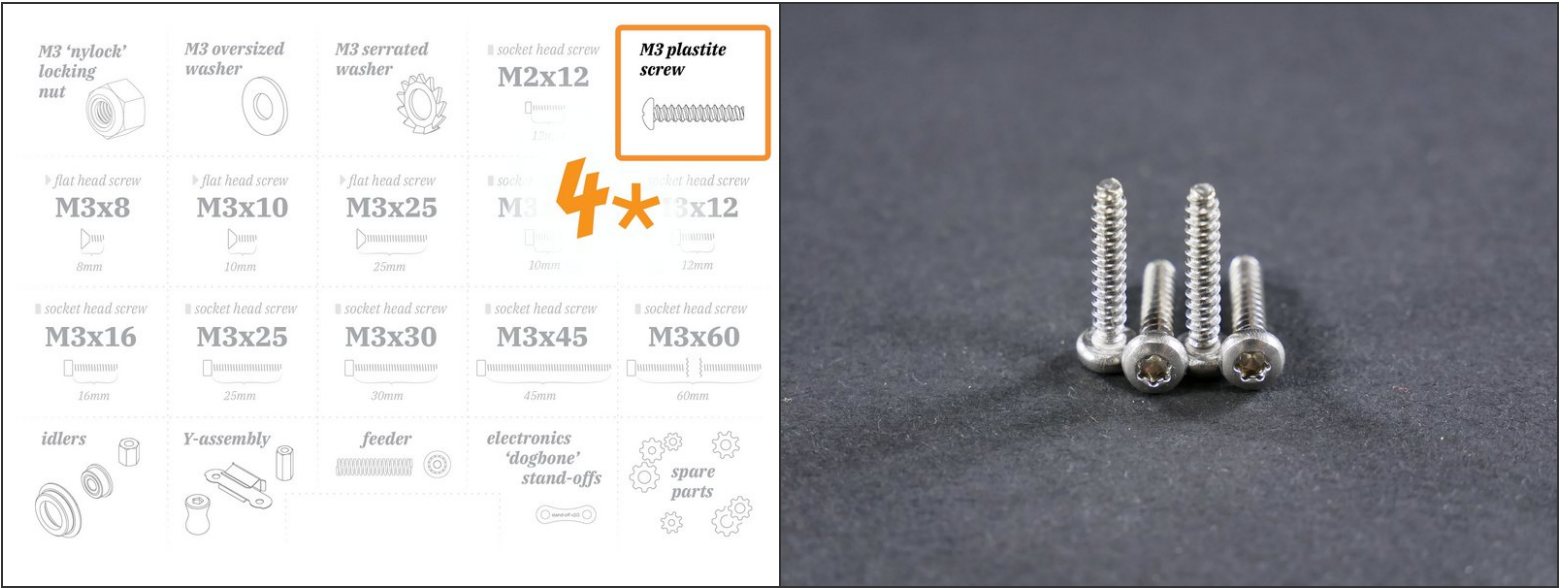
## Step 16 — It's done!



## Step 17 — ↳ Prep the Z Probe

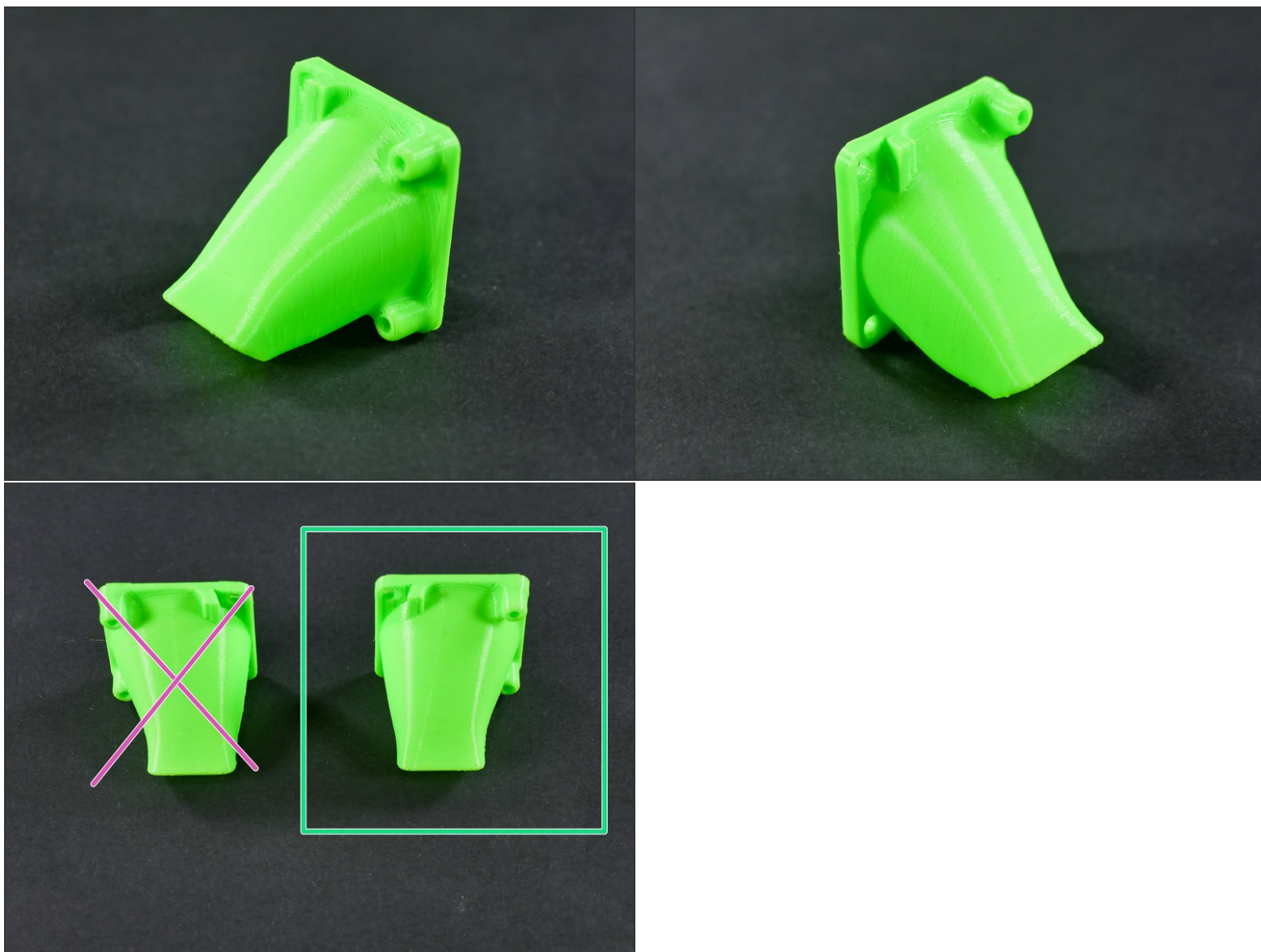


Step 18

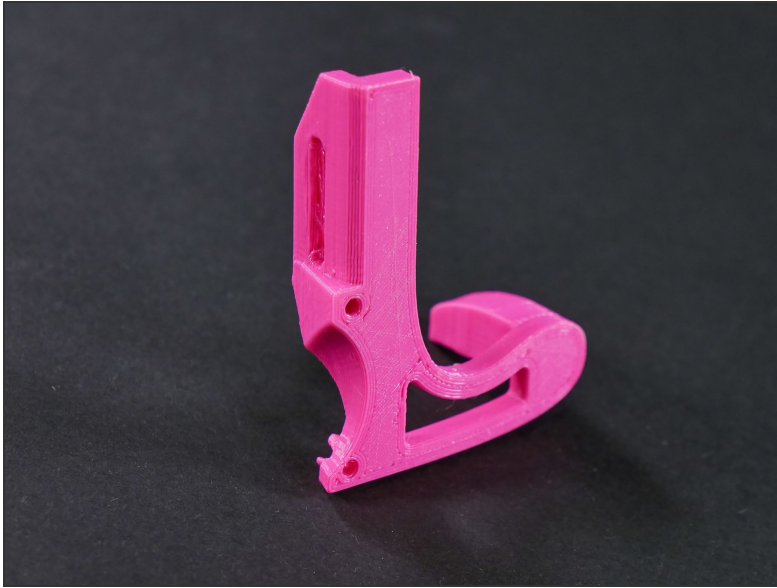


- Plastite screws

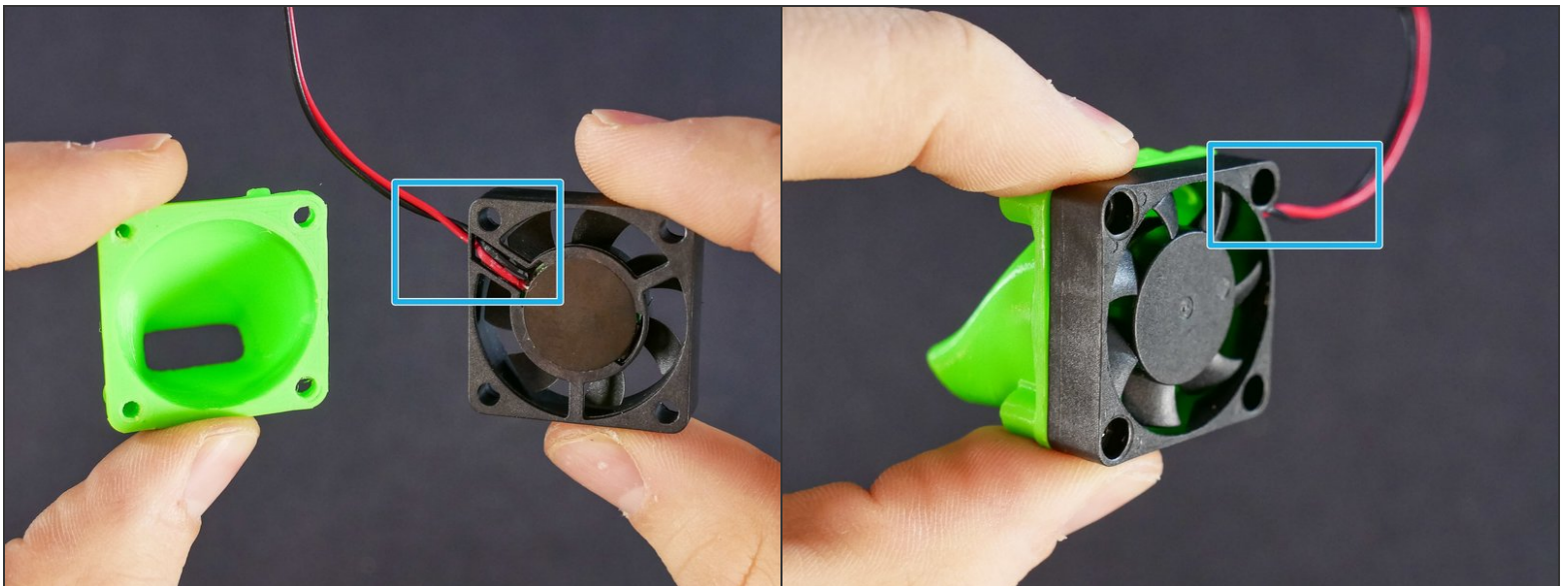


**Step 19**

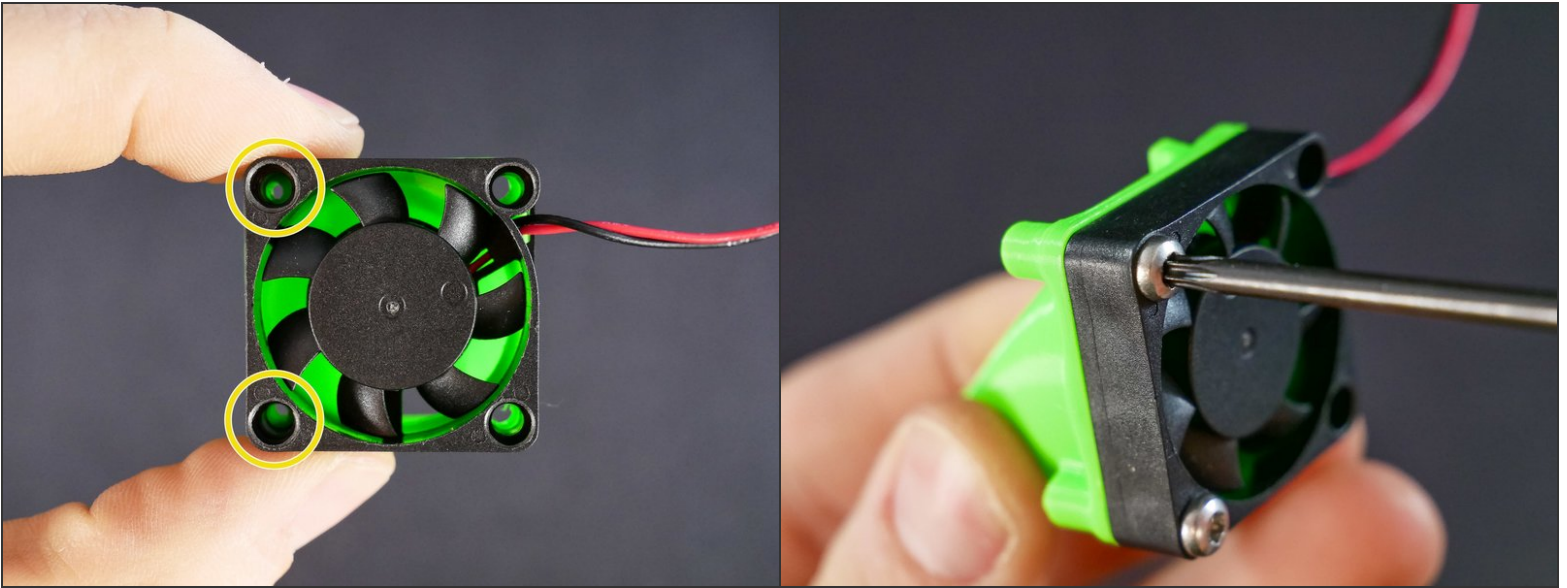
## Step 20



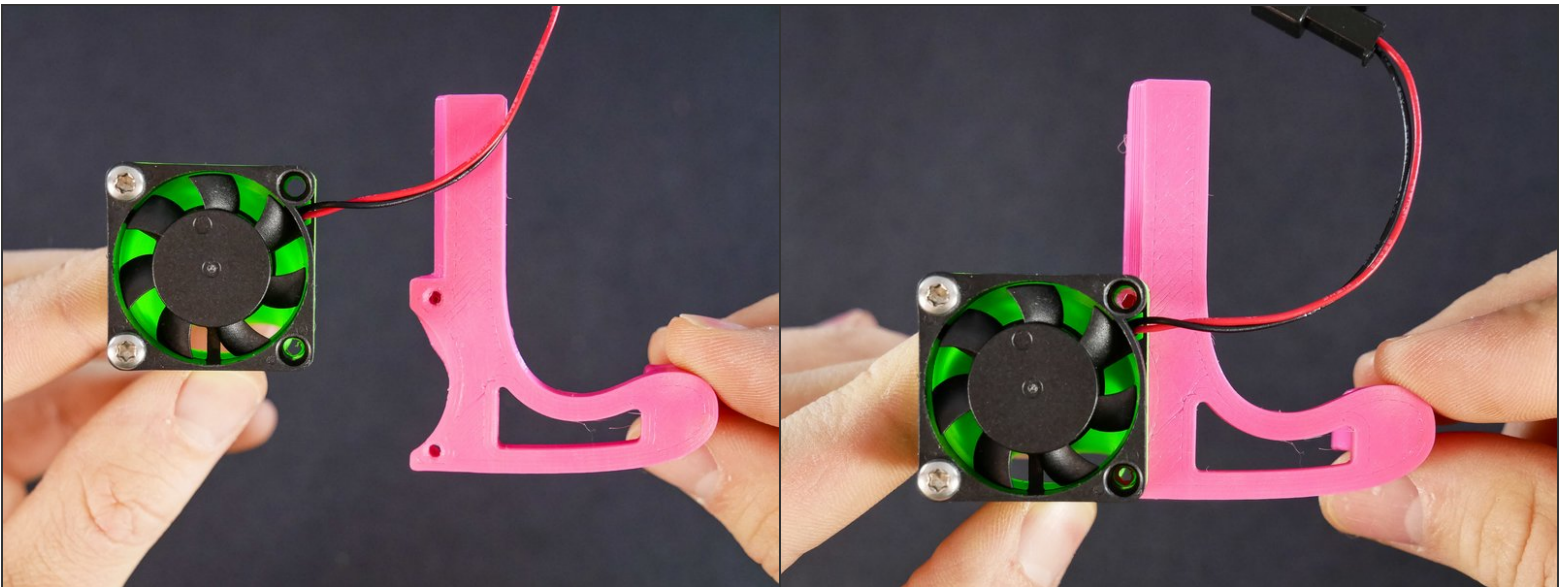
## Step 21



## Step 22

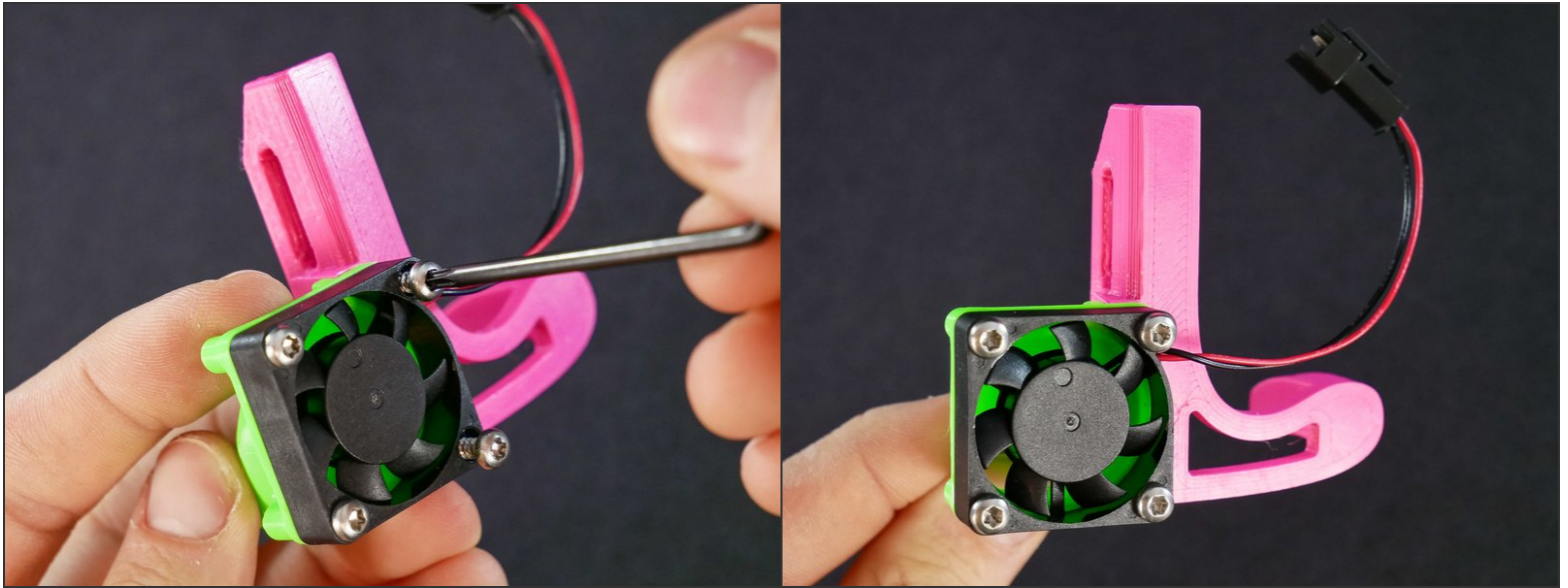


## Step 23





## Step 24



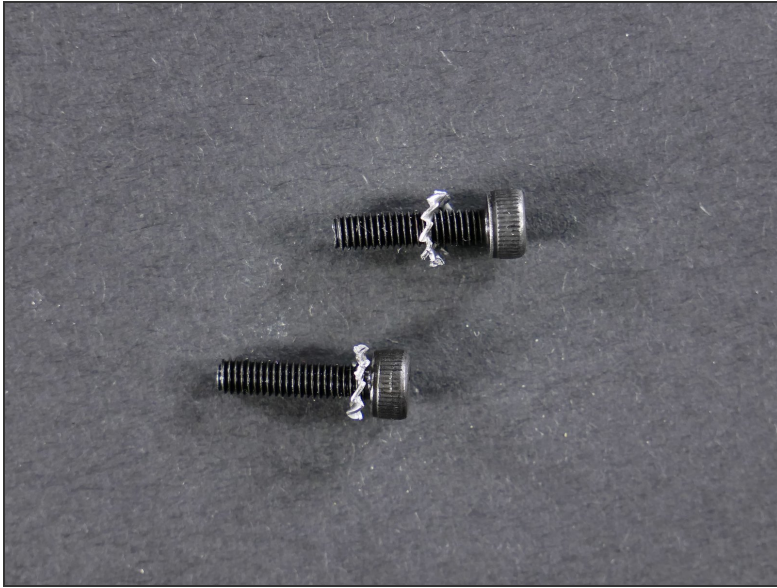
## Step 25



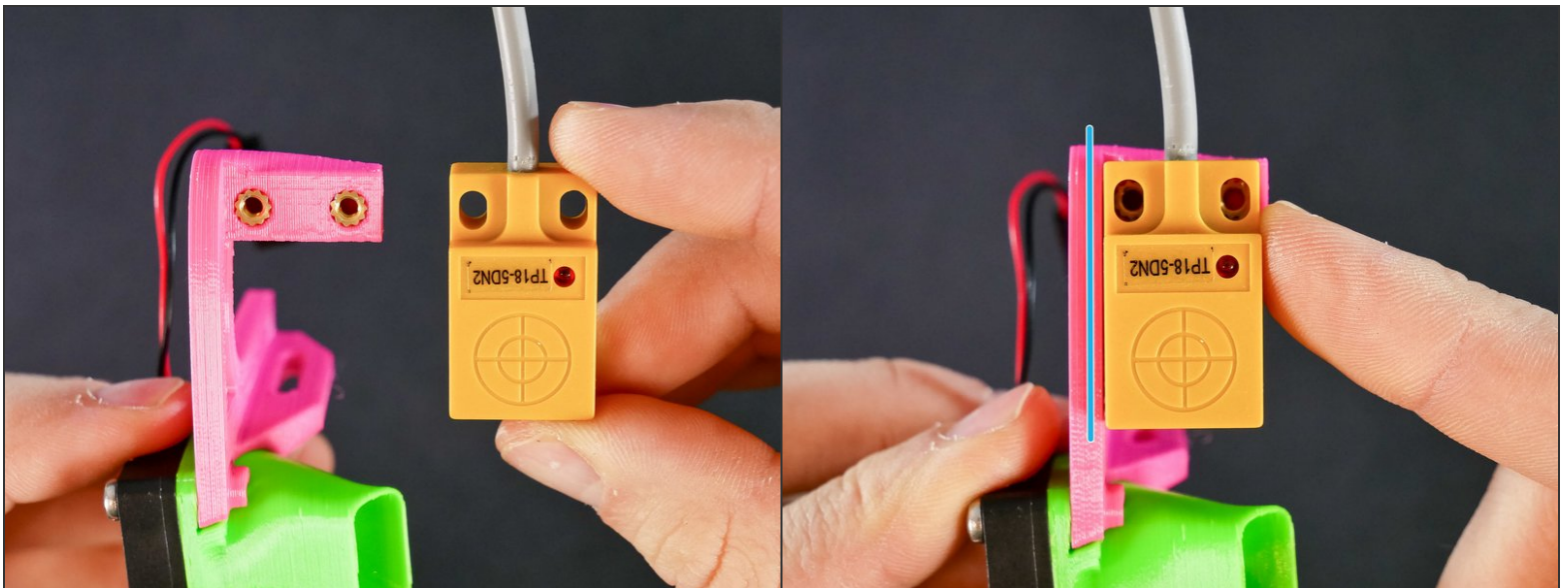
- M3x10

**⚠ Jun 12, 2018 erratum alert:** If you don't see any M3x10 in your kit, please use M3x12. They'll work just fine.

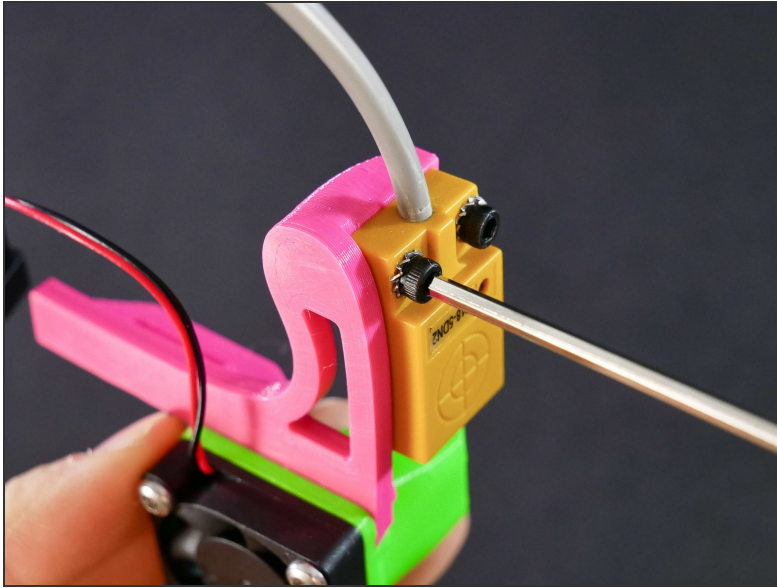
## Step 26



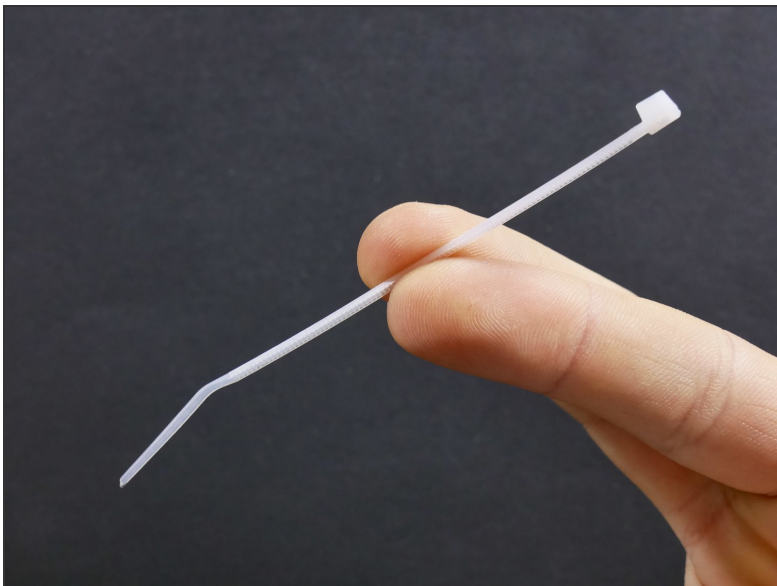
## Step 27



## Step 28

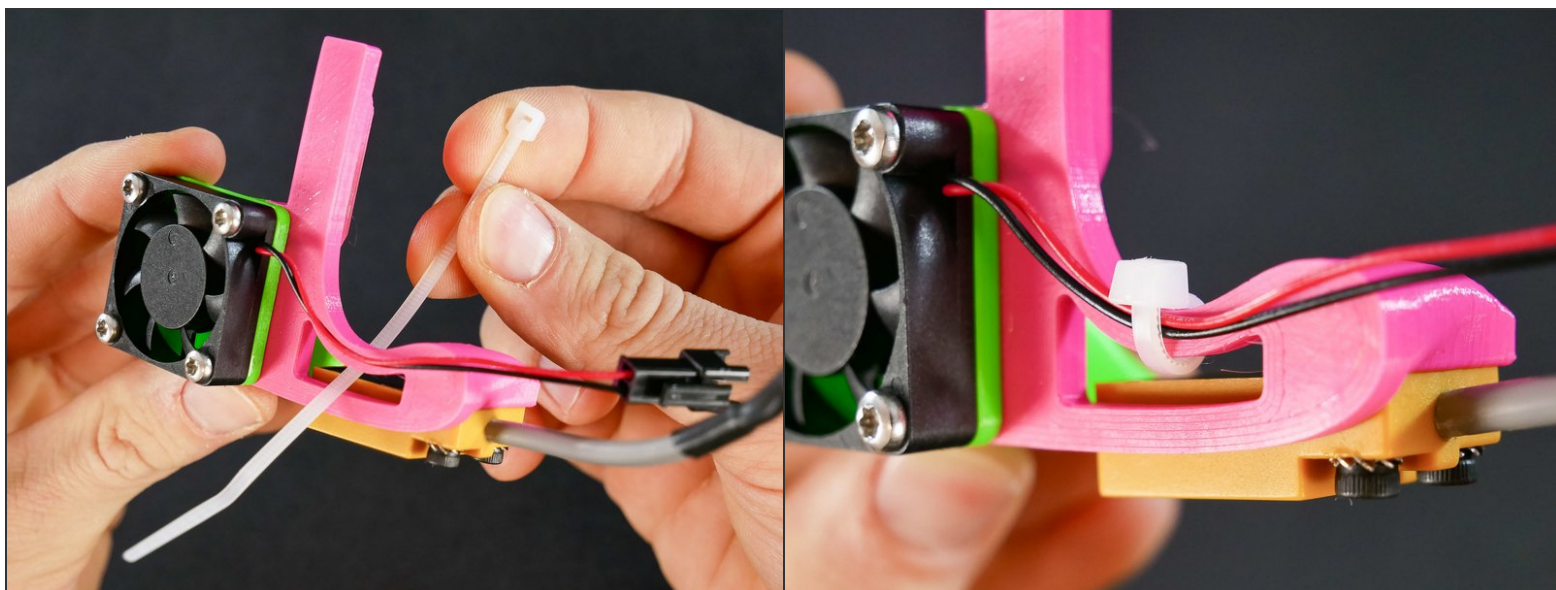


## Step 29

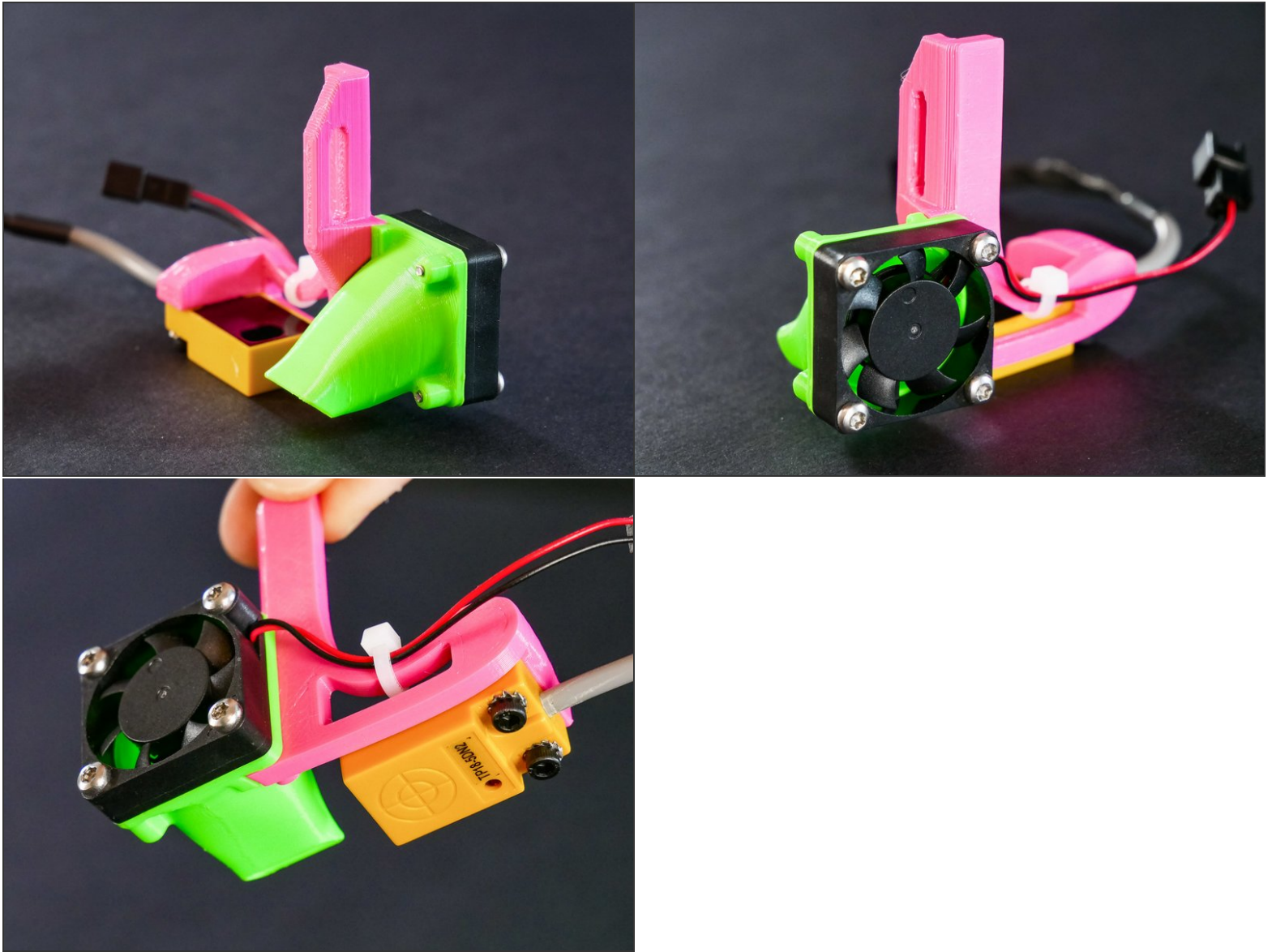




## Step 30

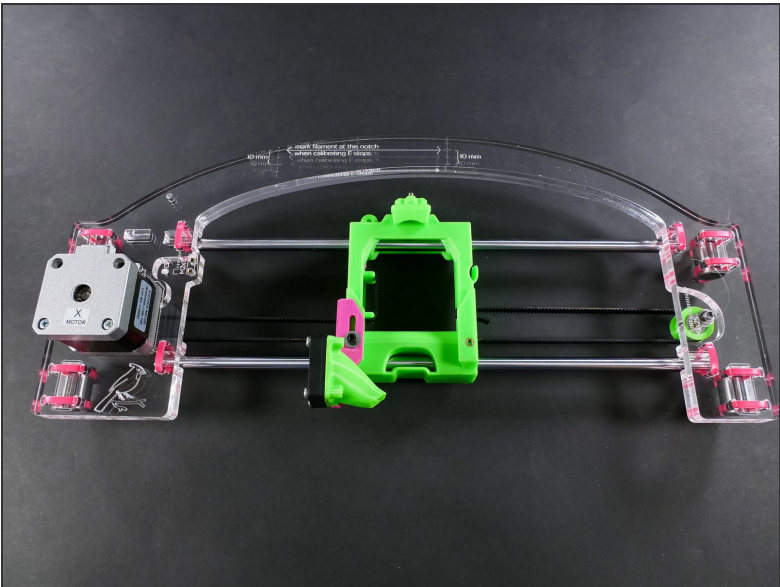


## Step 31 — It's done!



- Marvel at your skills of assemblage.

Step 32 — ↪ Install the Z Probe



Step 33

M3 'nylock' locking nut

M3 oversized washer

M3 serrated washer

socket head screw M2x12 12mm

M3 plastite screw

flat head screw M3x8 8mm

1\*

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

1\*

idlers

Y-assembly

feeder

electronics 'dogbone' stand-offs

spare parts

- M3x12



## Step 34



- M3x12

## Step 35

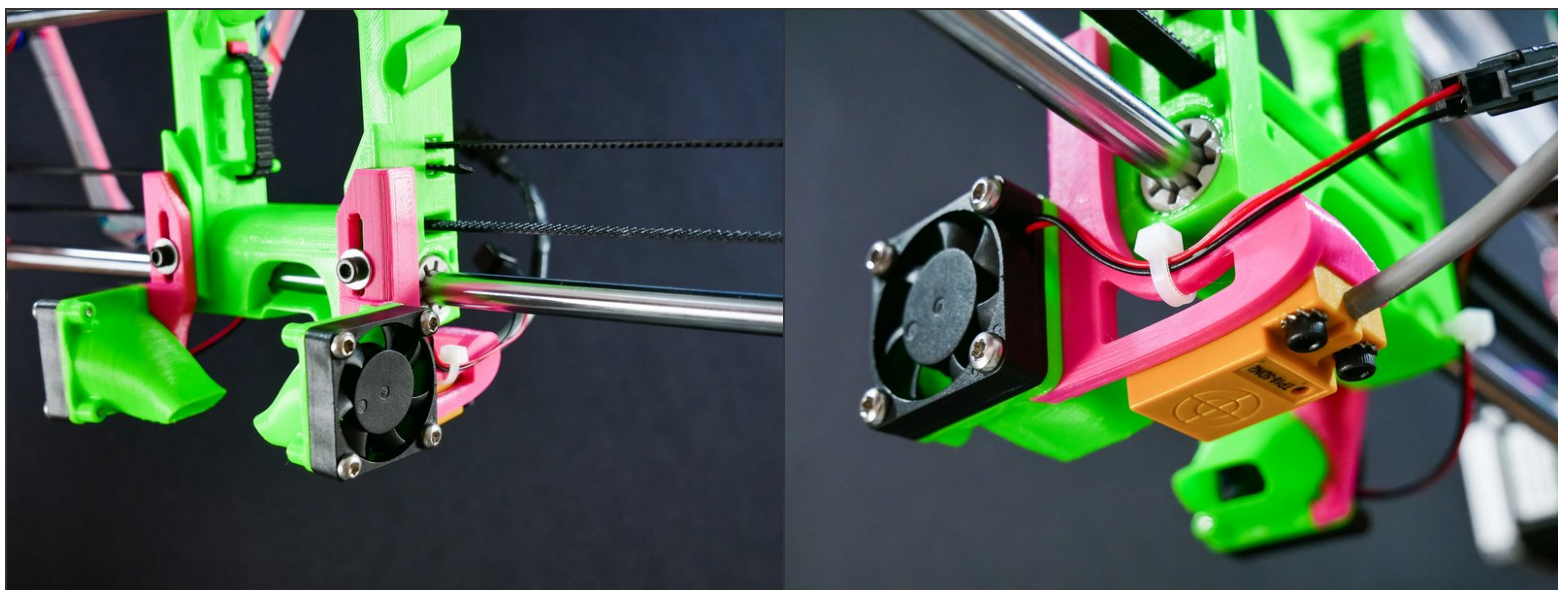


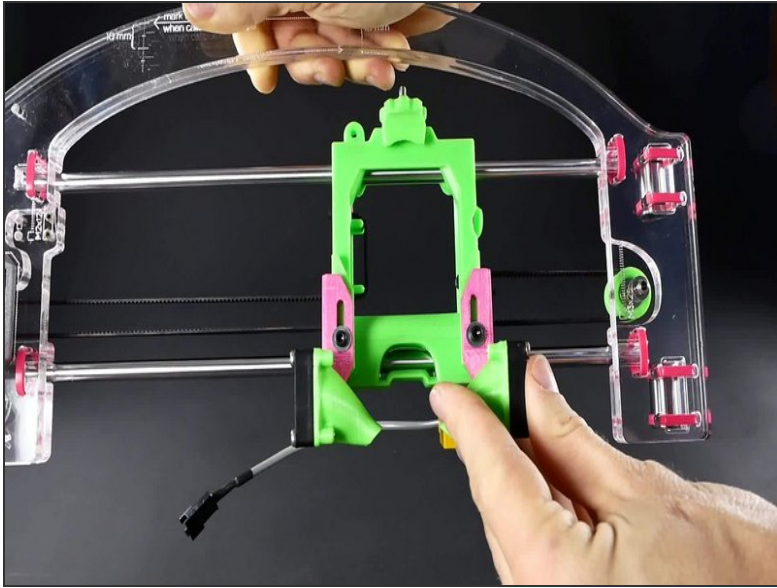
## Step 36



- M3x12
  - Preferably, tighten in the 'down' position.
- ⚠ Only tighten this screw **lightly**.

## Step 37 — It's done!



**Step 38 — ► Video: JellyBOX 2 Build: X Mechanical Checkpoint #2**

- ► Video: JellyBOX 2 Build: X Mechanical Checkpoint #2