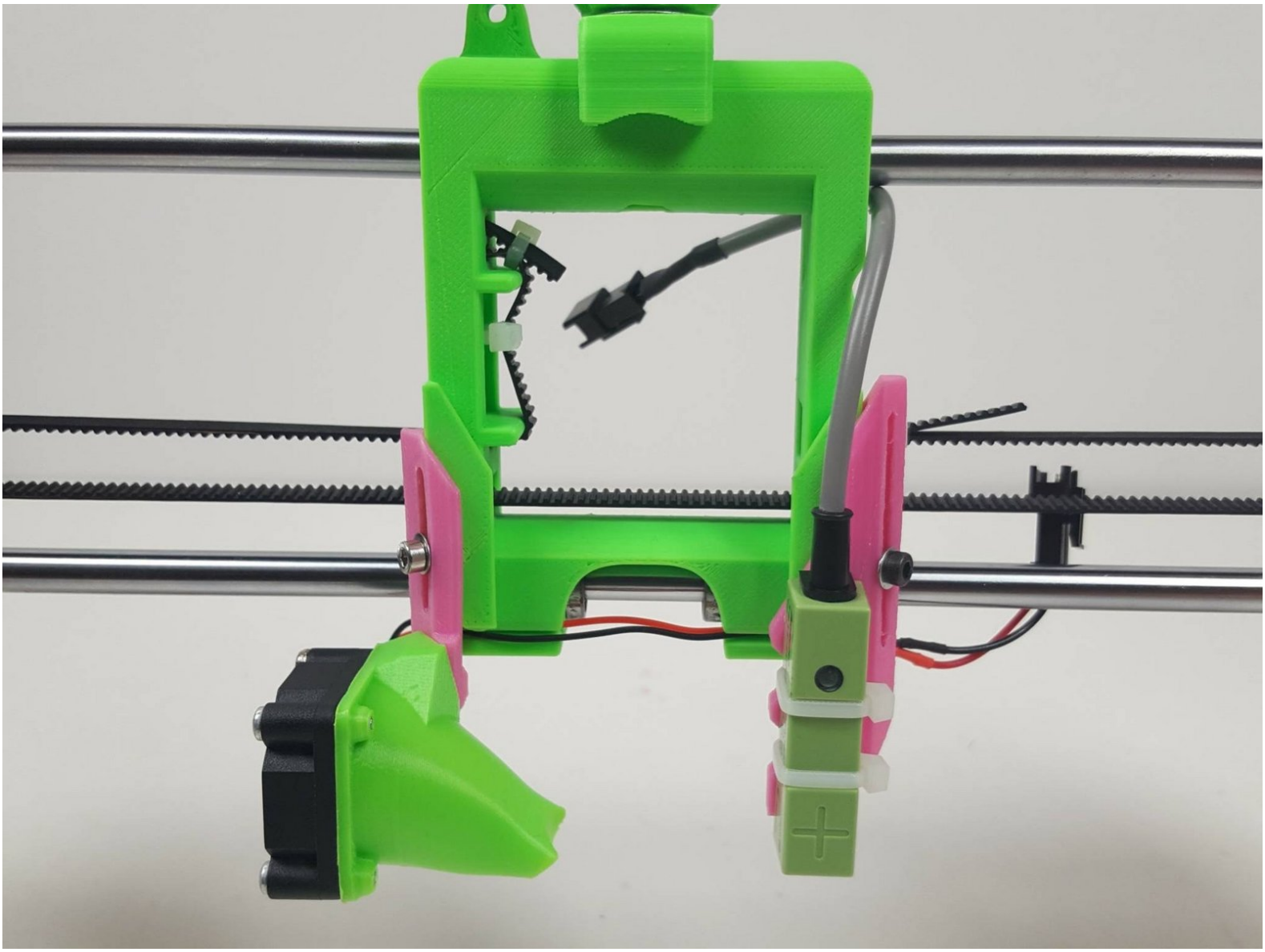
3A. Proximity Sensor

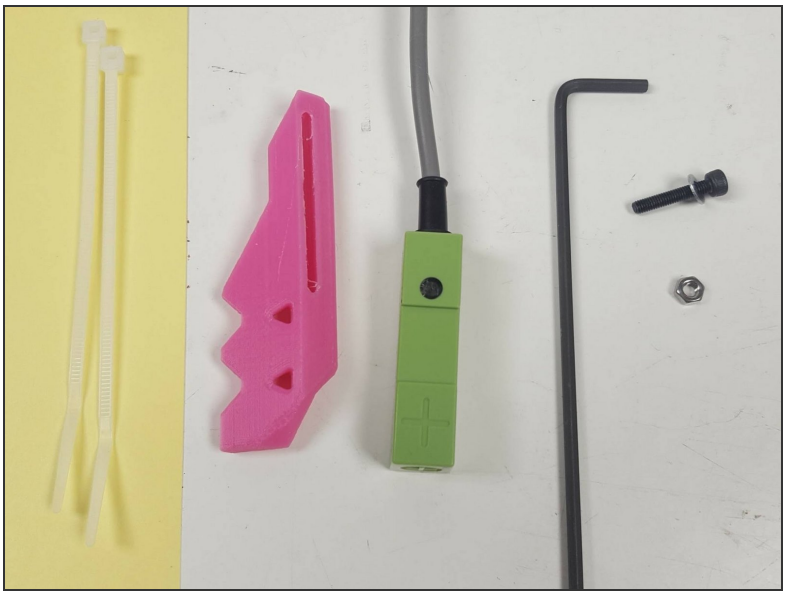
In this guide, we attach Left filament fan AND the proximity sensor to the X carriage. If you have the Dual Fan Upgrade, please see the corresponding Dual Fans Guide.



INTRODUCTION

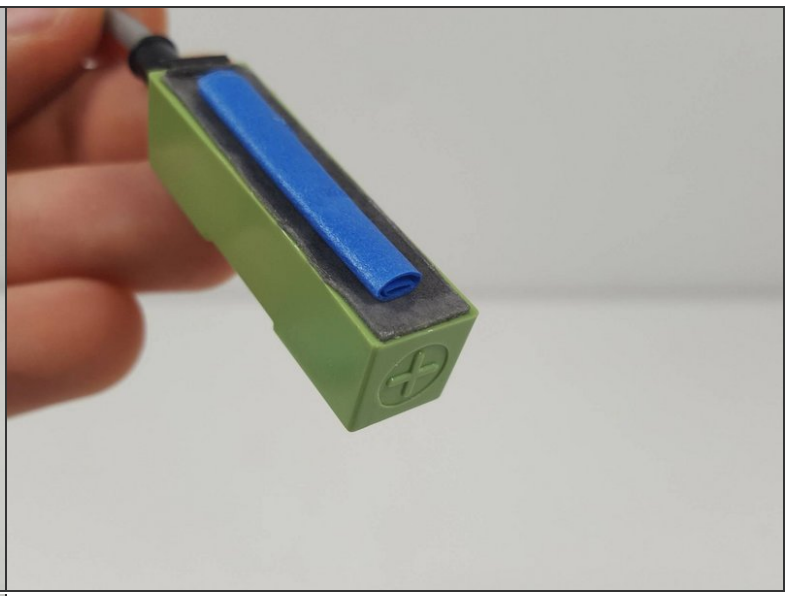
Proximity sensor = Z-end stop

Step 1 — You'll need:



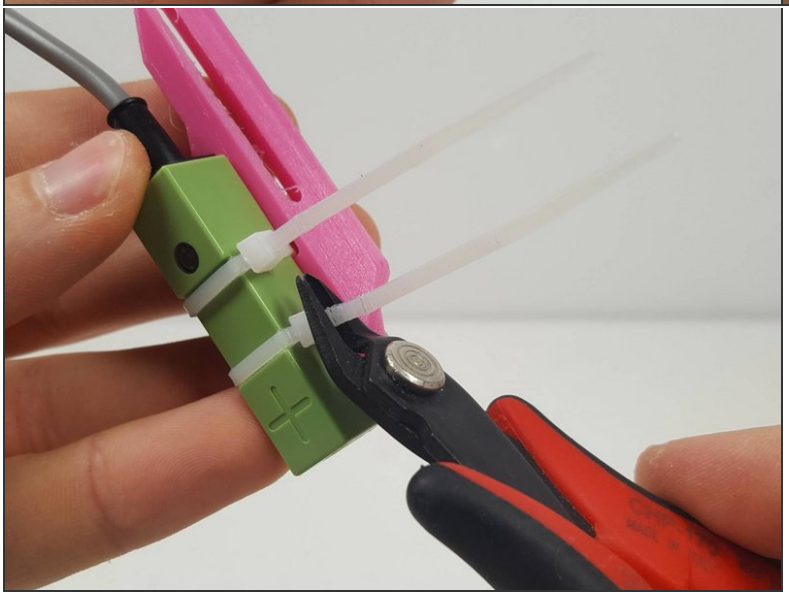
- M3x16 bolt
- M3 regular washer
- M3 regular nut
- Two 4" zip ties
- A piece of double sided tape (or a piece of blue tape)

Step 2 — Proximity Sensor P.1



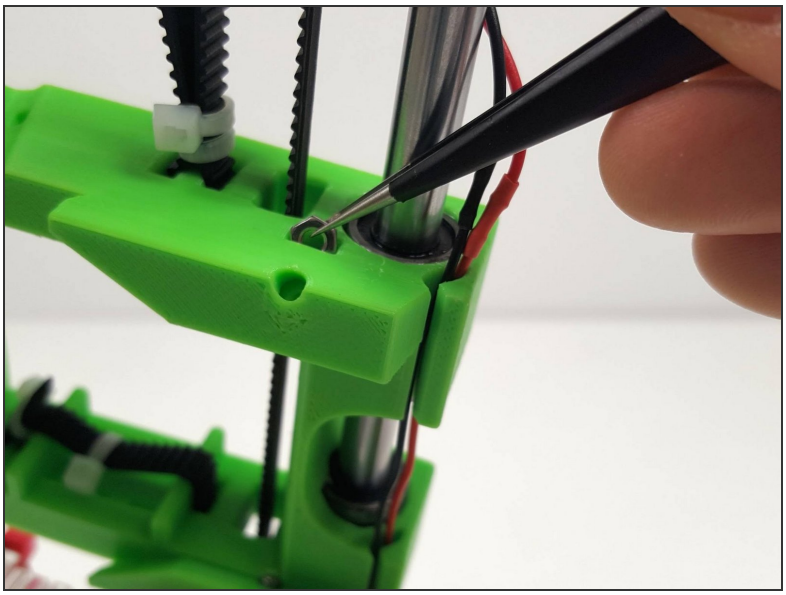
- Your green proximity sensor probably has a piece of dark grey double sided tape attached already. If so, remove the shiny backing.
- If you don't have any double sided tape, you can roll-up a piece of blue tape sticky side out. Works great, too. We simply need to increase the friction on the back of the sensor.
- Thread two 4" zip ties through the proximity sensor mount as shown.

Step 3 — Proximity Sensor P.2



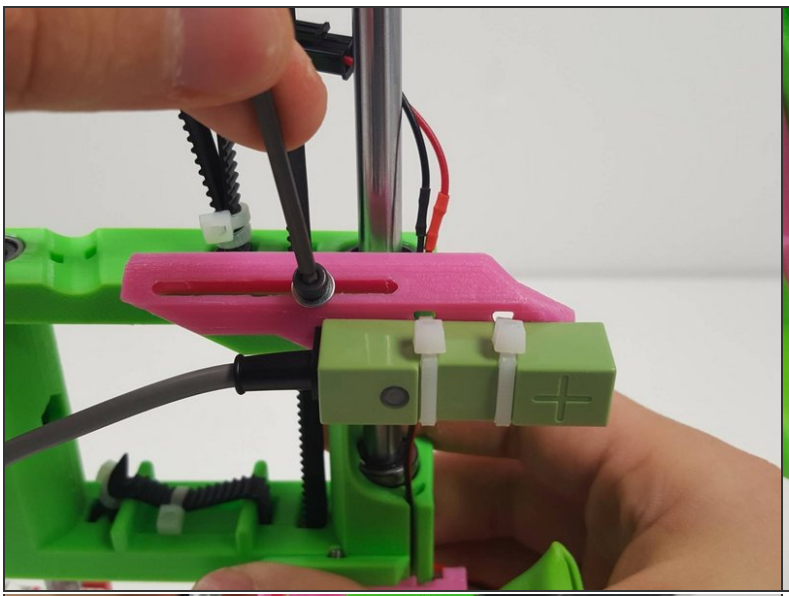
- Attach the sensor to the pink mount. Both zip ties align with ridges on the sensor, and the left side of the sensor will line up with the tips of the pink triangles. Your sensor should hang just below the end of the pink mount.
- Make these nice and tight! We don’t want any random sensor movement.
- Check: this is what it should be like. Tall Green Proximity Sensor (8s video).

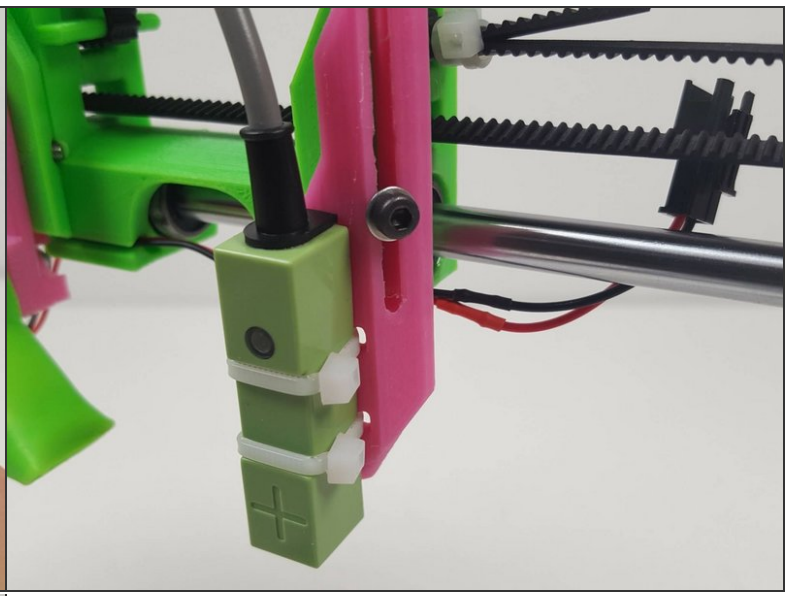
Step 4 — Proximity Sensor P.3

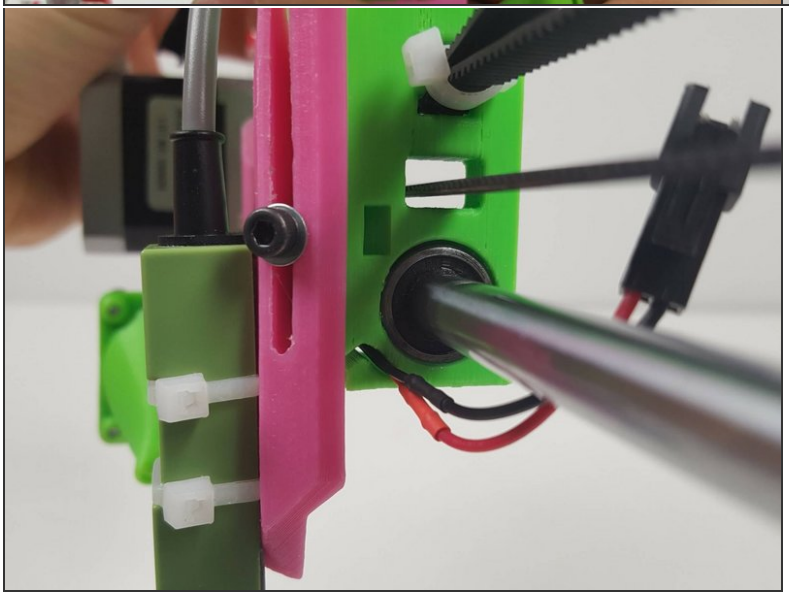


- Attach the sensor with the mount to the right side of X carriage – just like we already did with nozzle fan on the left side.
- Drop in the M3 nut into the slot on the right side of the X carriage. Pro Tip: turn the x assembly on a side and let the gravity do the work for you. Drop in the nut with tweezers.

Step 5 — Proximity Sensor P.4

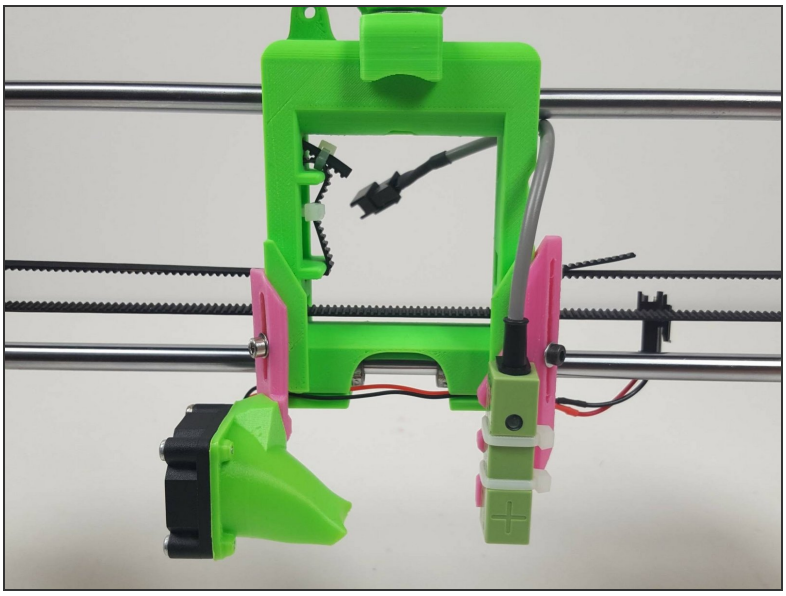






- Attach the sensor mount with M3x16 socket screw and a regular M3 washer.
- Don't worry too much about how high your proximity sensor is. We'll adjust that later.

Step 6 — Proximity Sensor P.5



- Done! Both the fan and the sensor are attached to the X-carriage.

