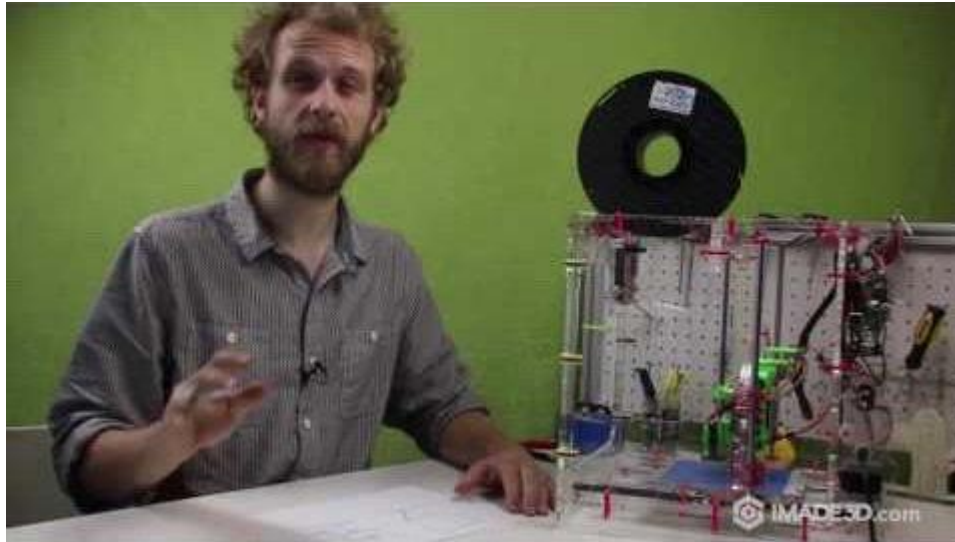


Part 02 - Z-Probe and Nozzle fan height set up

[JellyBox HowTo: Z-Probe Setup Part TWO \(2.5 min\)](#)



You're going to need:

- 2.5 mm M3 hex key
- one miniature zip tie or a leftover from a miniature zip tie
- and things that you normally use for printing that is
 - some filament, snips, some blue tape, and an SD card with some gcode sliced as you normally slice models.

Steps

1. Put some blue tape on the bed.
2. Loosen the M3 screw holding the z probe in place.
3. Turn the z lead screw with your bare hand until the nozzle is lightly touching the build plate. The easiest way to do this is by touch. Slide a piece of a common office paper underneath the nozzle and when you can't move the paper freely back-and-forth that's when the nozzle is touching the plate.
4. We need the gap between the tip of the nozzle and lower end of the z probe to be about 1 mm, which is about the thickness of a miniature zip tie. So rest the probe on a miniature zip tie and tighten the screw to keep it in place. Now there should be just over 1mm gap between the tip of the nozzle and the probe.
5. Done!

What up with nozzle fan

Good cooling is essential for quality prints from many materials. For PLA it's a must.

Make sure the fan is as close to the bed but not below the nozzle - I like about one small zip tie thickness clearance. You can use the exact same procedure as when setting up the Z Probe height - loosen up the

mount, rest the fan on one small (miniature) zip tie, and tighten the mount screw again.

Long version

1. Turn the z lead screw with your bare hand until the nozzle is lightly touching the build plate. The easiest way to do this is by touch. Slide a piece of a common office paper underneath the nozzle and when you can't move the paper freely back-and-forth that's when the nozzle is touching the plate.
2. We want the gap between the tip of the nozzle and bottom of the fan to be about 1 mm, which is about the thickness of a miniature zip tie. So rest the fan on a miniature zip tie and tighten the screw to keep it in place. Now there should be just over 1mm gap between the tip of the nozzle and the bottom of the fan.
3. Done!
4. Move onto other guides. Namely the "1st layer tweaking"