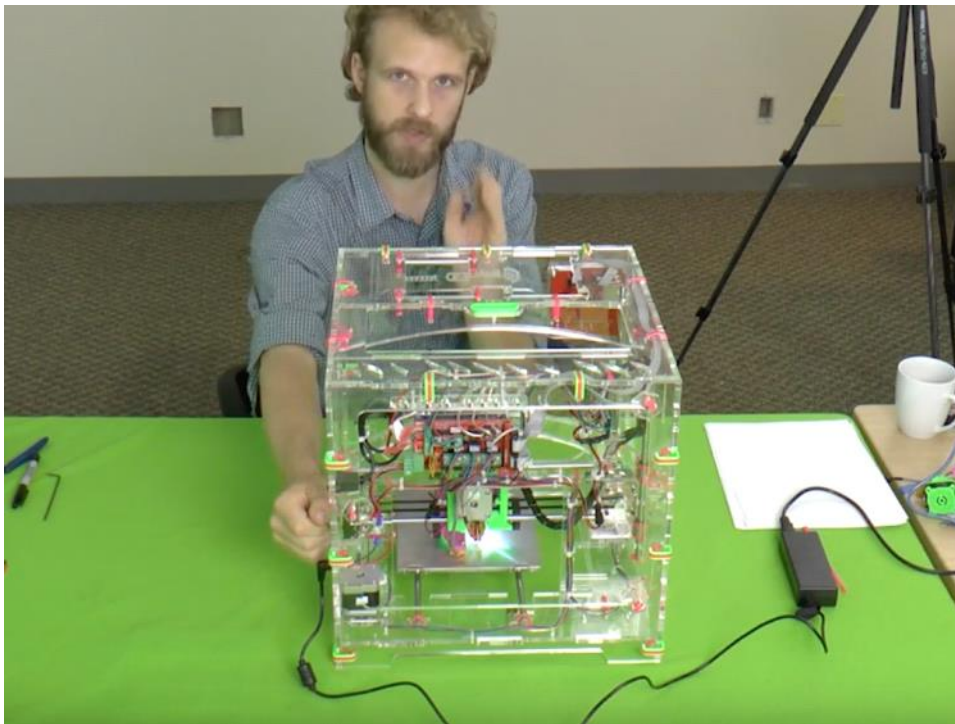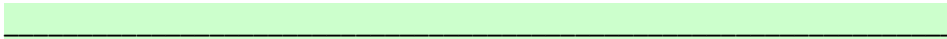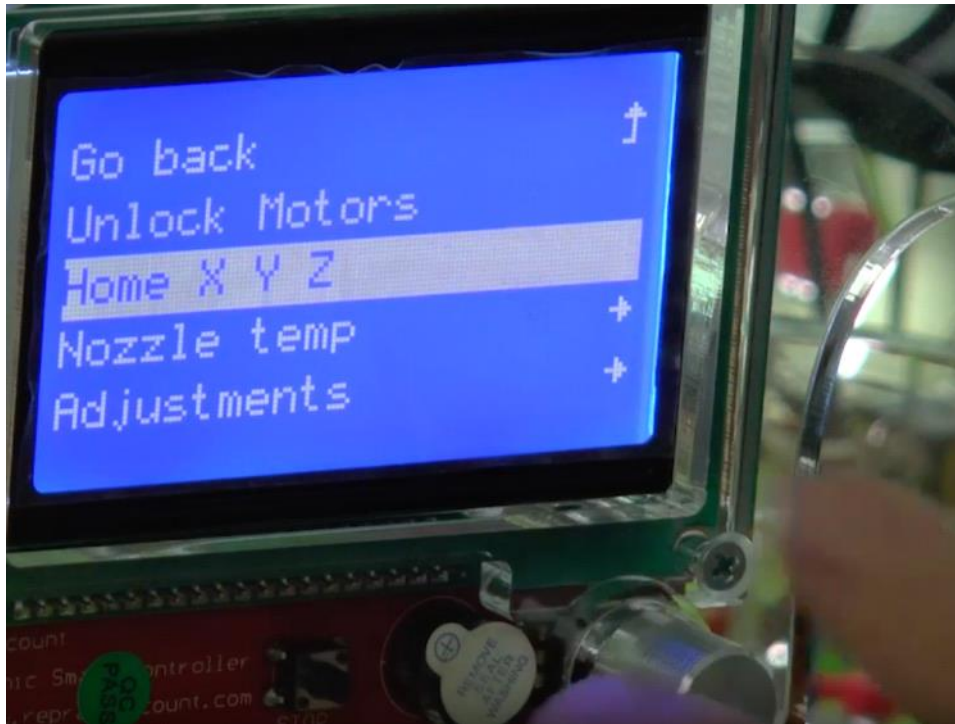# Test X+Y+Z EndStops

[JellyBox HowTo: Test X+Y+Z EndStops](#)

In this video, we test that all the end stops are working properly.

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Title: Testing the X Y Z End Stops

Manually place the Y and X axes centrally.

Be ready to turn the machine off if anything goes wrong!

Use the LCD display and select "Home X Y Z" from the menu.

If everything goes well, each axis should move to its home position and then stop.
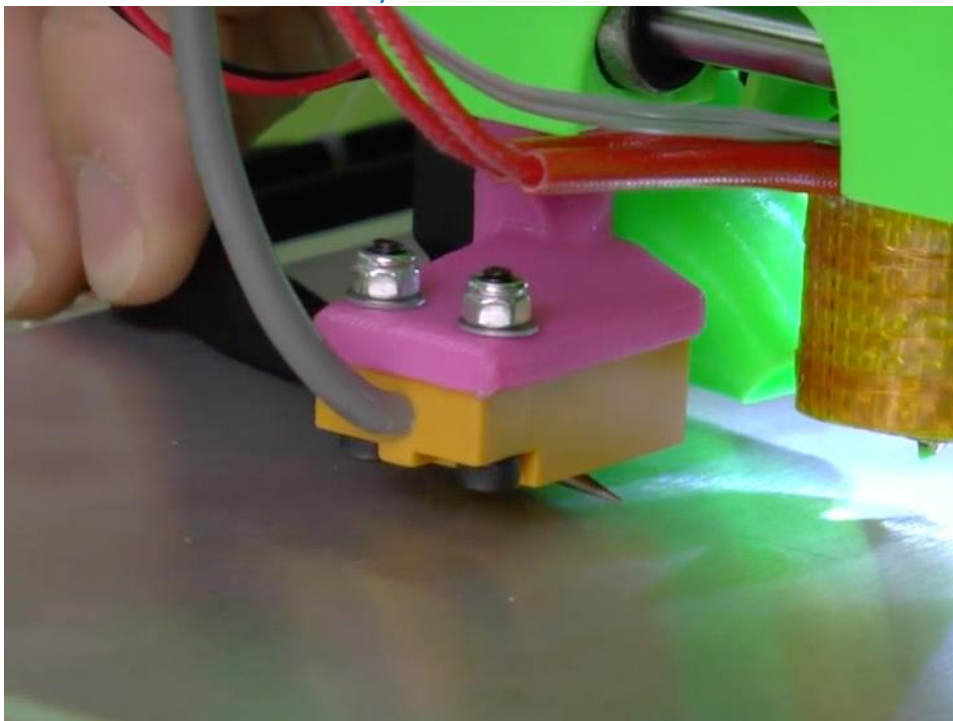
Things that may go wrong:

The motor goes in the wrong direction – either flip the connector over, or reverse it in software.

The motor wanders – this is probably a bad signal. Check the connectors and the wires.

When plugging motor wires in or out, turn off the printer first! Else you may fry your drivers!
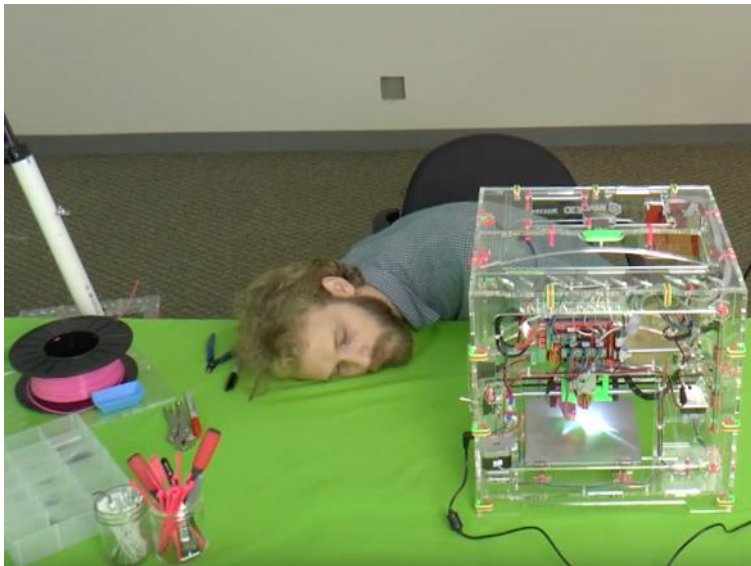
Title: Check the Proximity Sensor

A simple check rules out the proximity sensor when troubleshooting.

There is a red LED on the underside of the sensor.

This LED will be on be default, and turns off when the sensor senses ferromagnetic metal. Put a knife or tweezers close to the sensor and see if the LED turns off. If it does, you know that proximity sensor hardware is fine.

If all else fails, take a nap. You'll feel better in the morning.