

HOW TO Install LGX® Lite PRO and Magnum+ on the Anycubic Vyper

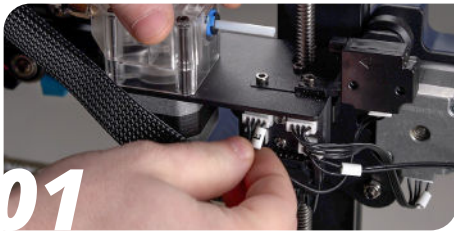
Difficulty **Medium**
Steps **39**
Time Required **20 to 30 min**
Sections **1**



INSTRUCTIONS GUIDE

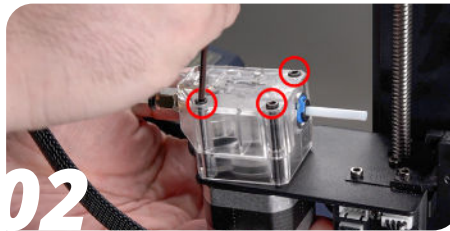
This guide is designed to be a reference manual for how to do install LGX® Lite PRO and Slice Engineering Mosquito Magnum+ hotend on the Anycubic Vyper. Follow the instructions below or, if you prefer to watch a YouTube video with the same instructions, use the provided link below or the YouTube icon to the right:

<https://youtu.be/4D2QyPRLNaQ>



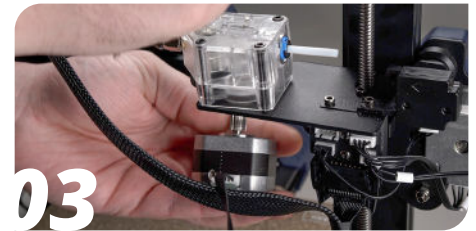
01

Disconnect the stepper motor.



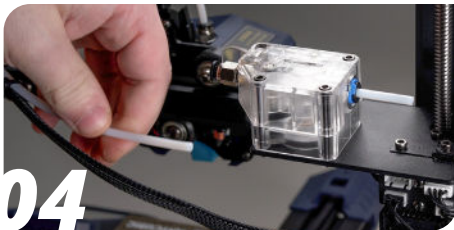
02

Remove the three M3 SHCS screws in the extruder with a 2.5mm hex key.



03

Remove the extruder stepper motor.



04

Disconnect the bowden tube from the extruder by pushing down on the black coupler while pushing the bowden tube in and then pulling it out.



05

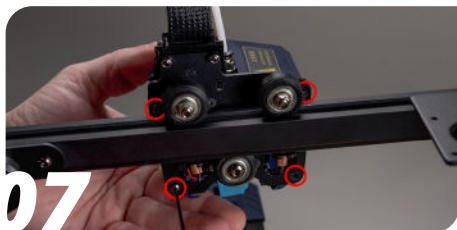
Remove the extruder.



06

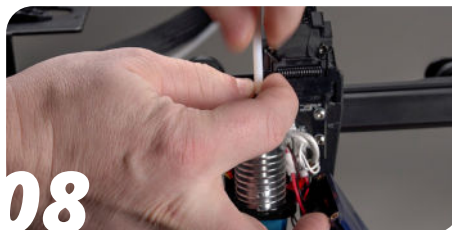
Fasten the bowden coupler from below using two M3x6 BHCS and a 2mm hex key.

This is an optional part which can be bought in our store. Link [here](#)



07

Loosen the cowling by undoing the four M3 BHCS screws in the back using a 2mm hex key.



08

Disconnect the bowden tube from the hotend by pushing down on the coupler while pulling it out.



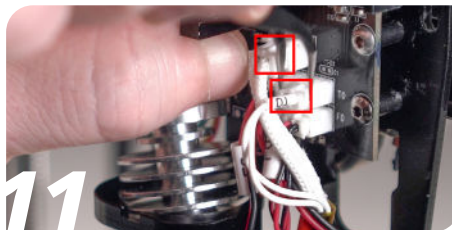
09

Remove the bowden coupler from the hotend by loosening it with a wrench.



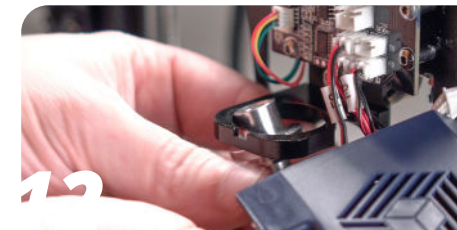
10

Undo the two M3 BHCS screws holding the hotend using a 2mm hex key.



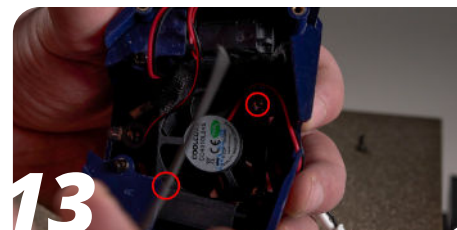
11

Unplug the heater and thermistor connectors.



12

Remove the hotend.



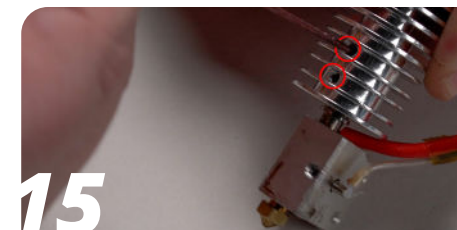
13

Undo the two M3 screws and remove the front fan from the cowling.



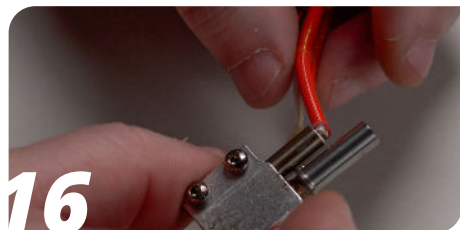
14

Remove the silicone sock.



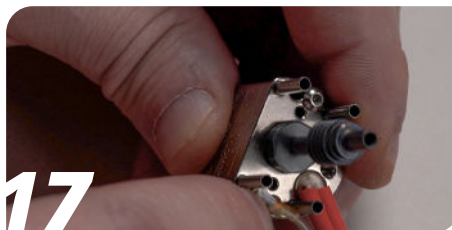
15

Loosen the two set screws holding the heatbreak and remove the heatsink.



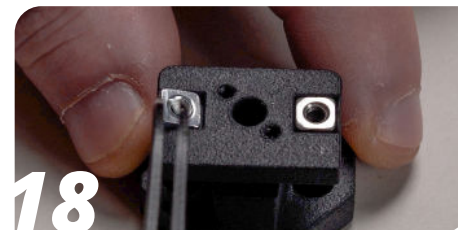
16

Loosen the two screws holding the heater cartridge and remove it and the thermistor.



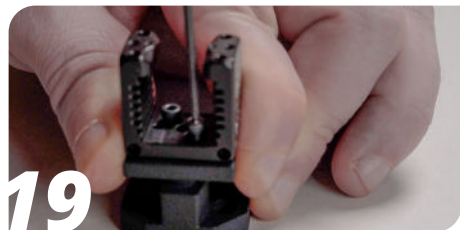
17

Add the heater cartridge and the thermistor to the Magnum+ hotend.



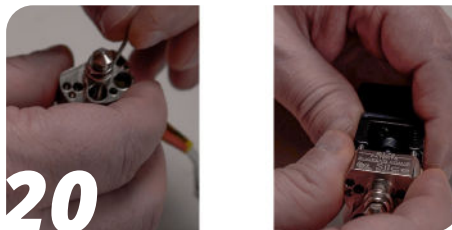
18

Add two square nuts to the hotend mount.



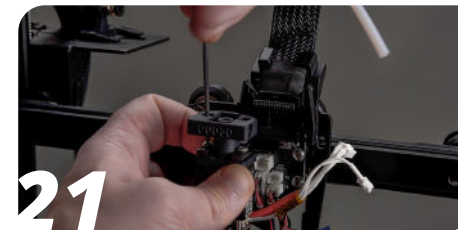
19

Add two M3x8 SHCS from the underside of the heatsink, tighten with a 2.5mm hex key.



20

Add the two M1.4 SHCS through the hotend. Add hotend to the heatsink, tighten the M1.4 carefully with the smallest included hex key.



21

Add the hotend adapter and two M3x10 BHCS.



22

Reconnect the heater and thermistor.



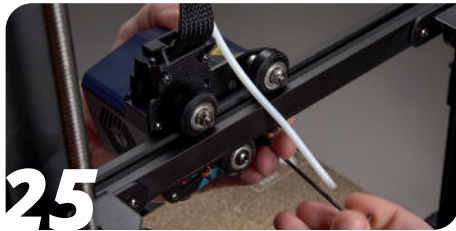
23

Add the Mosquito fan and fasten it with the included screws.



24

Connect the fan.



25

Reattach the cowling using the four M3 BHCS from before with a 2mm hex key.



26

Place the extruder mount on the hotend adapter and with the included cutting jig, insert included PTFE and cut it to length using the slit in the jig.



27

Remove the extruder mount.



28

Attach the extruder mount to the LGX lite V2 using the four M3x6 Low Profile screws. Here the LGX Lite V2 is shown. The PRO mounts the same way.



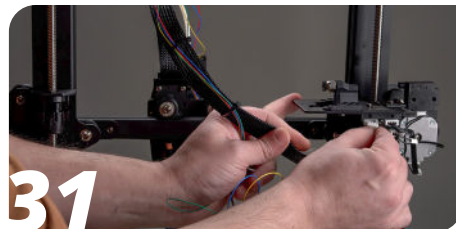
29

Attach the extruder mount to the hotend adapter using the M3x25 Low Profile screw.



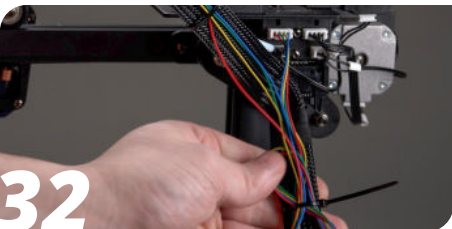
30

Attach the bowden tube to the LGX lite V2.



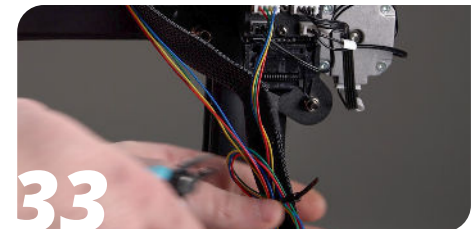
31

Route the extruder motor wires through the zip tie loops. Leave some slack by the toolhead and connect the motor.



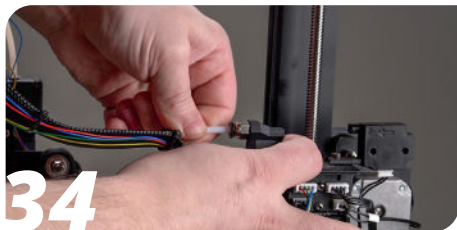
32

Bundle the wires up, secure them with a zip tie.



33

Don't forget to trim the zip tie ;)

**34**

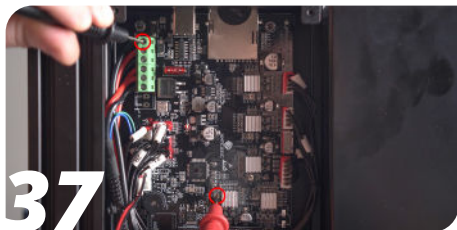
Connect the bowden tube in the bowden coupler.

**35**

Flip the printer on its side.

**36**

Undo the three screws holding the access panel.

**37**

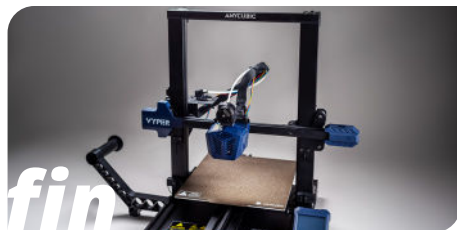
With a multimeter, measure between PSU GND and extruder trimpot.

**38**

Dial this down to 900 mV or 0.9 V

**39**

Close the printer up and you're done!

**fin**

Check the Quick Start guide for slicer presets and printer settings.

TAKE GOOD CARE OF IT

Every 6 months, or sooner if you have a higher than 15h per week average usage, perform the following maintenance operations:

1. With a tooth brush and alcohol:
 - a. Clean the double gear and the drive gears
 - b. Clean the needle bearings
2. With a fine brush and lubricant
 - a. Lubricate the needle bearings
3. With compressed air
 - a. Blow the housing plastic parts to remove dust and dirt particles

HOW TO GET HELP

We are available to help you with any questions or issues you may have. Simply go to our website where you can access our customer support and send us your questions or follow the provided link:

https://www.bondtech.se/contact/#tab_technical-support-requests

