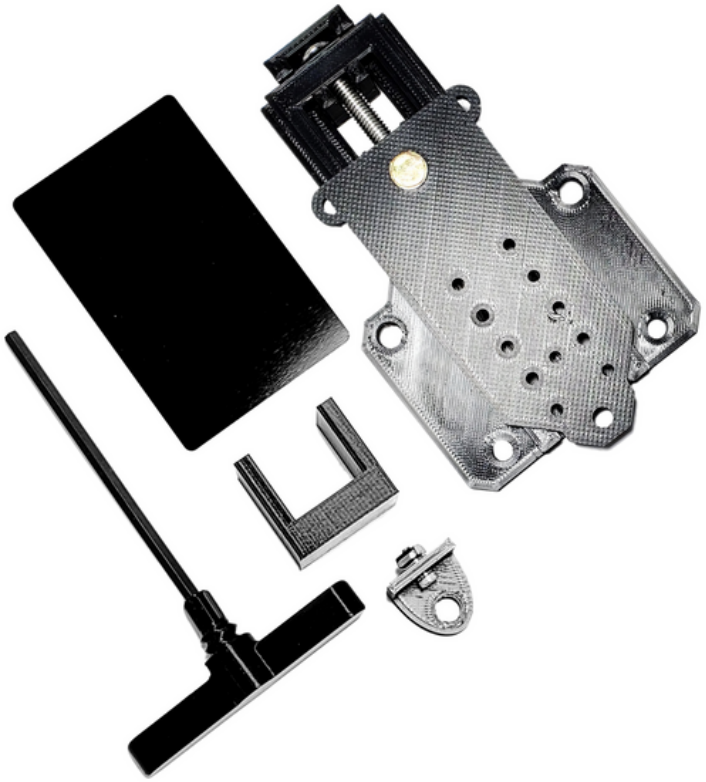
KING GUBBY DESIGNS

ORTUR LM2
Z AXIS ADJUSTER



INSTALLATION MANUAL

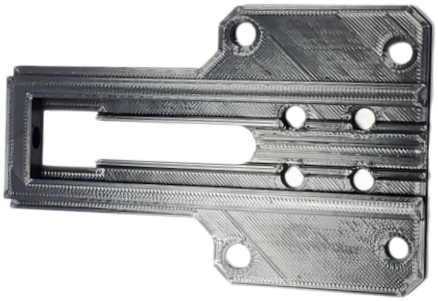
Click or scan the QR code to watch the install video by Edge of Tech

Included Parts

KGD

Module Plate

Carriage Plate

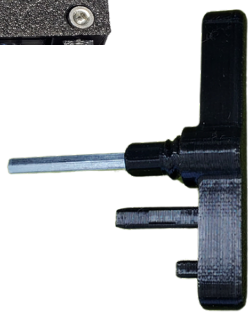


M6 Bolt

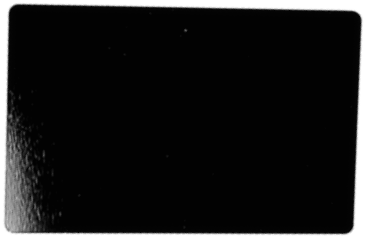
Barrel Nut

Bolt Clip

M6 T Handle Wrench



Focus Card



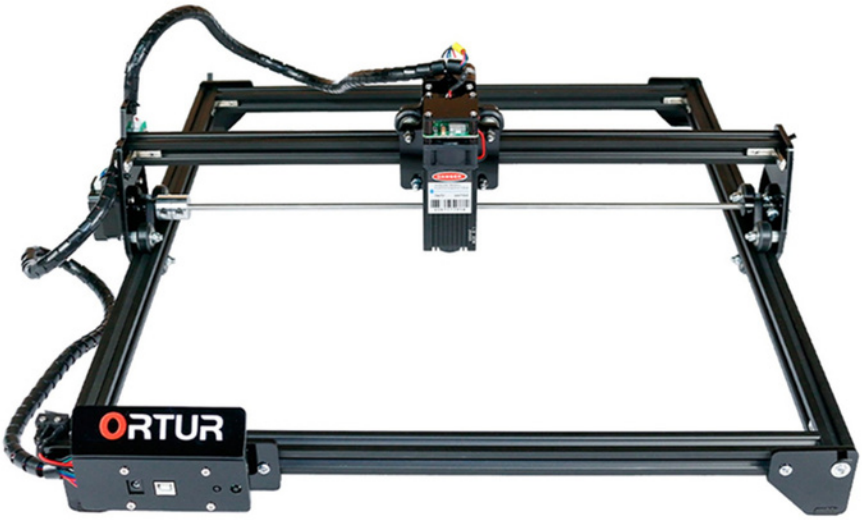
2 x Hex Nuts

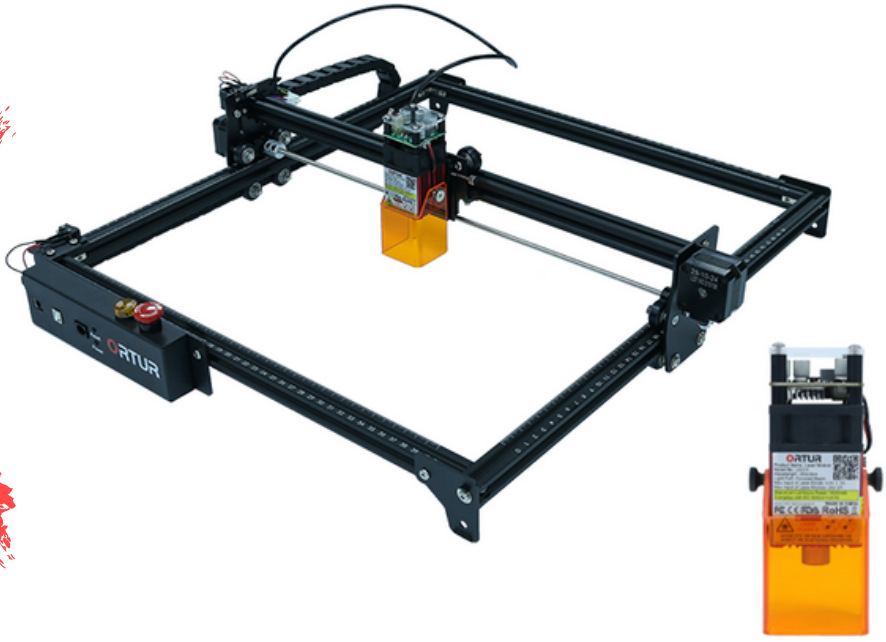
2 x M3 Screw

Neje Hex Nut

Only needed for attaching a Neje module

This product is for the Standard Laser Master 2





IMPORTANT

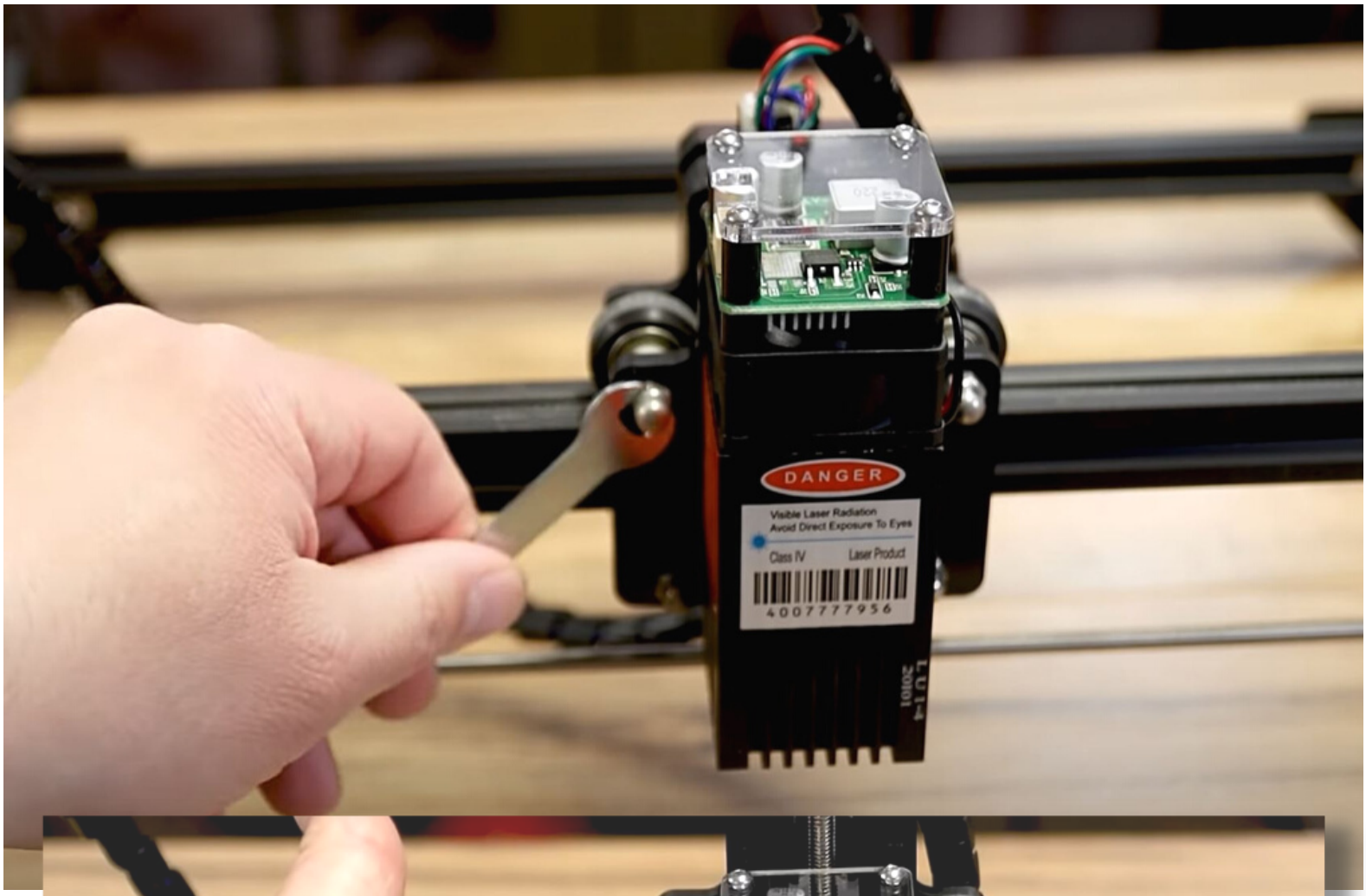
You need to check your home stop before turning on your laser, after installing the Z Axis. This is to avoid damage to your laser.

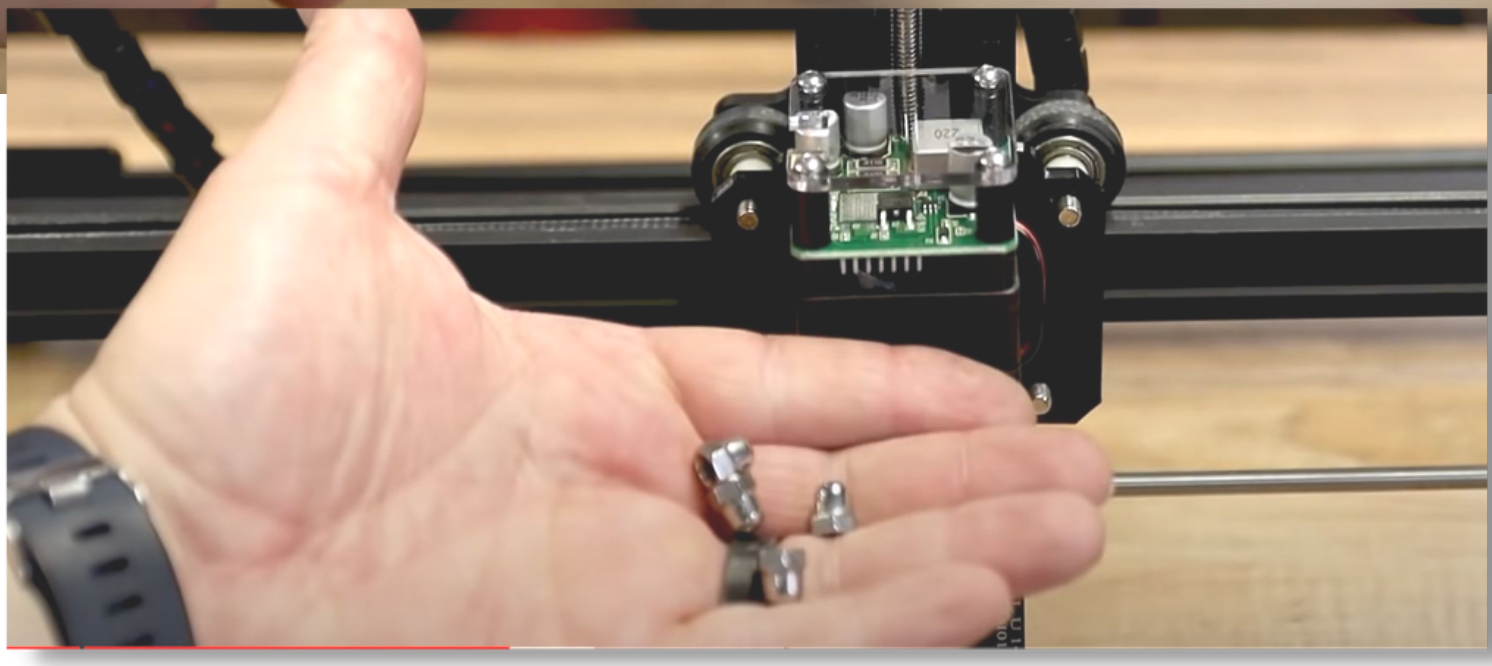
- **With Z Axis Adjuster installed, home laser by hand**
- **Observe the space between your front rail and your module**
- **If the module comes in contact with the front rail, without hitting the home stop contact switch, you will need to move the contact switch forward.**
- **Do this by positioning the module so that there is a space between it and the front rail and move your homestop contact switch forward until it is fully engaged.**
- **Tighten your home stop at this position**
- **Retighten your belt**

If the switch is activated and the module does not come in contact with the front rail you do not need to move your home stop

1st step: Removing the module

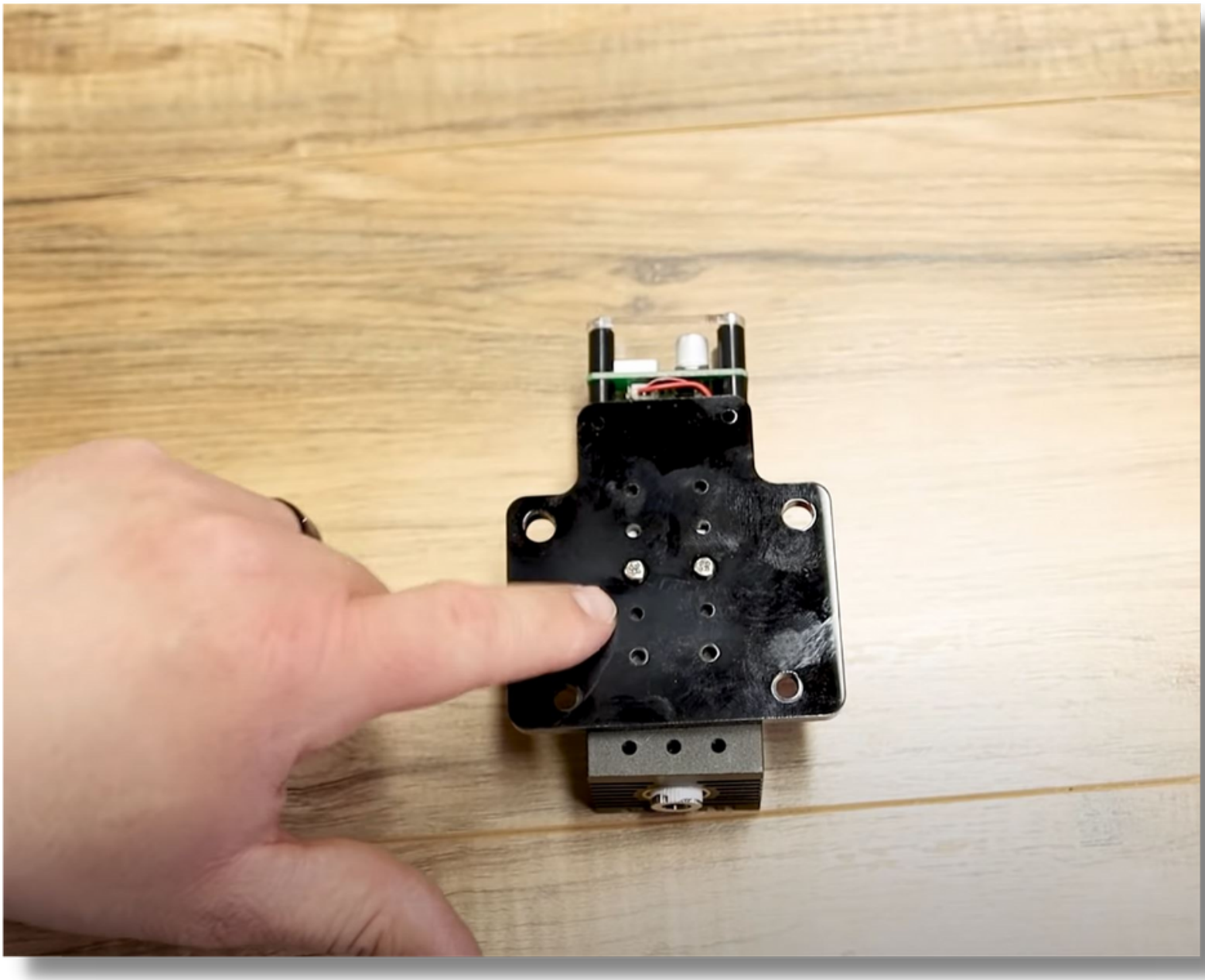
Remove the module and mounting plate from your laser carriage by removing all four acorn nuts.





2nd step: Removing the stock plate

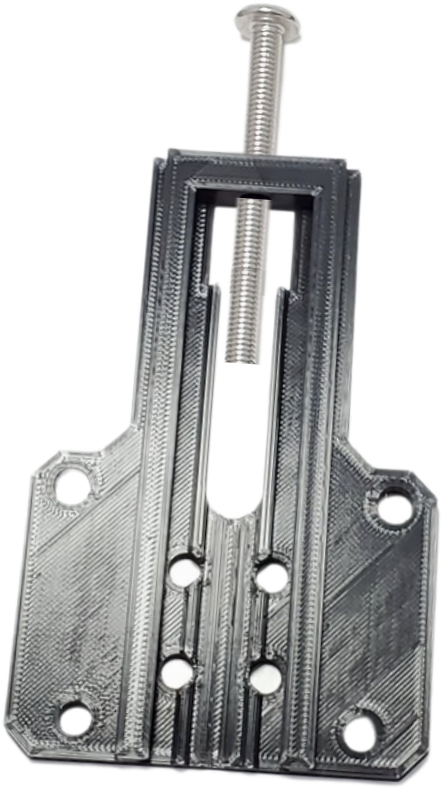
Remove the module from the Ortur's carriage plate via the two screws. Our module plate will replace this acrylic plate.



3rd: Assemble the Z Axis Adjuster

Attach the carriage plate to the laser carriage by using the stock carriage screws. Now, slide the module plate onto the carriage plate and insert the barrel nut or M6 nut in the provided open slot on the module plate (circled in red below). Next, slide the M6 bolt (75mm) through the hole in the top of the carriage plate, and screw to desired height, through the barrel nut.

Make sure the slit on the barrel nut is facing away from the module

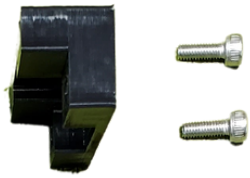


4th step: Locking the Bolt Down

Make sure the bolt head is touching the carriage plate and slide the bolt clip over the top of the bolt head to keep bolt from unscrewing while adjusting the axis. Set the remaining hex nuts in the fitted slots on the carriage plate and use the remaining M3 screws to attach the bolt clip to the carriage plate.

Hex Nuts

Bolt Clip



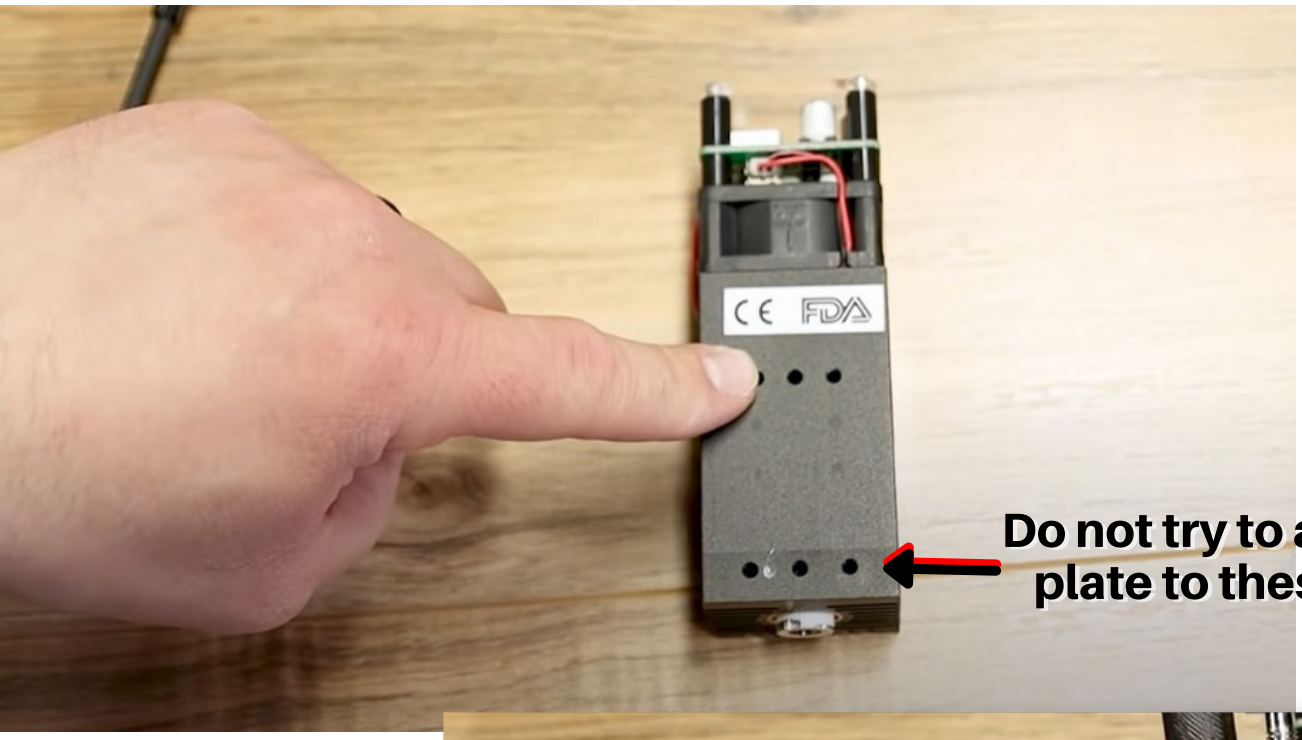
Side view
carriage plate

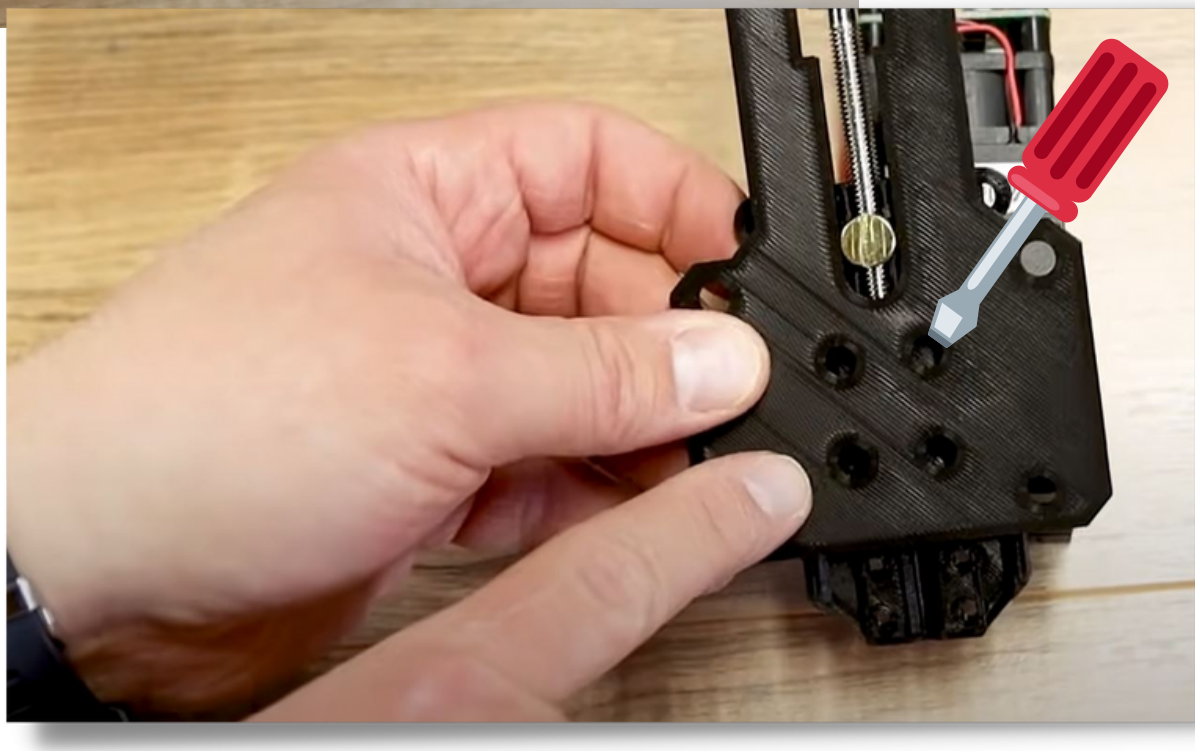
M3 Screws

Tag us in your projects

5th step: Attaching Z Axis to the module

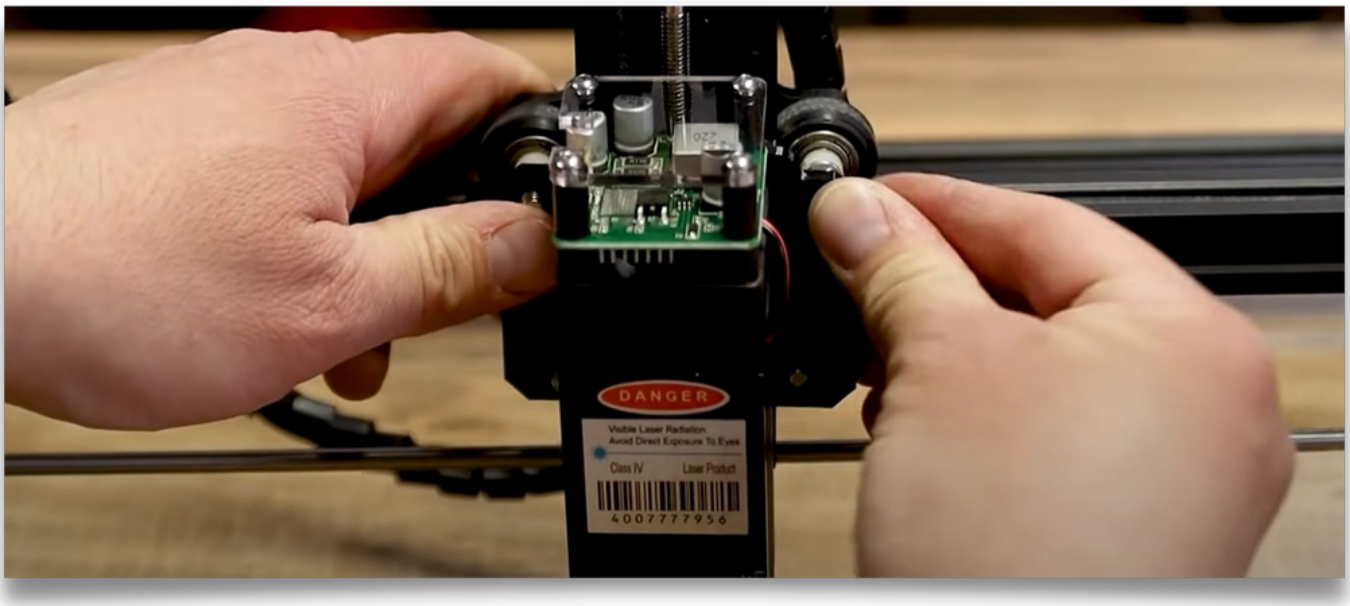
Using the stock screws, attach the King Gubby module plate to the module to the top set of screw holes. The 4 holes in the carriage plate allow access for a screwdriver. This allows you to keep the Z Axis Adjuster assembled while attaching to the module

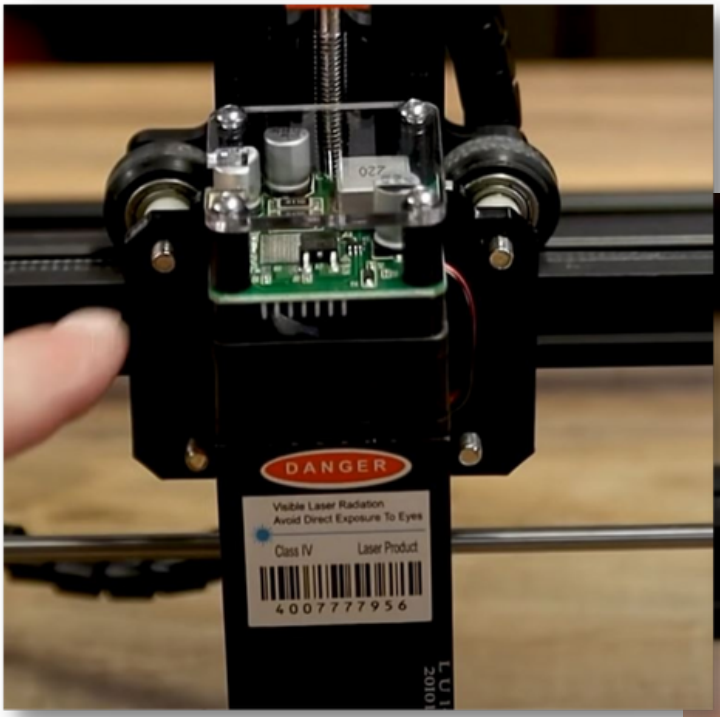


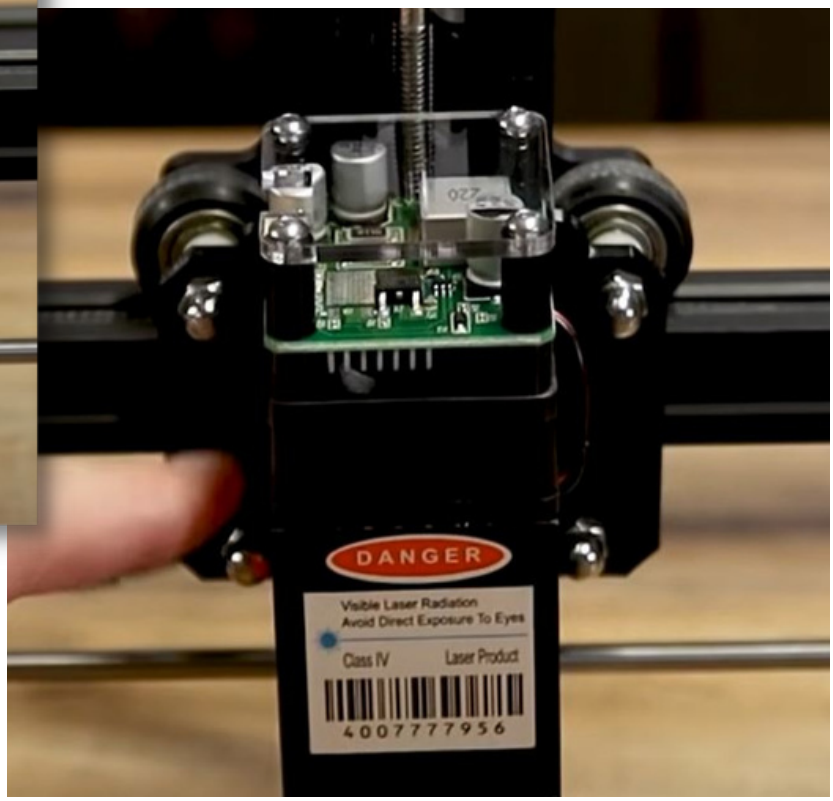


6th step:

Now that the module is mounted, attach the entire Z Axis to the carriage by aligning the 4 wheel bolts with the holes in the carriage plate. Use the stock acorn nuts to mount the plate to the carriage.







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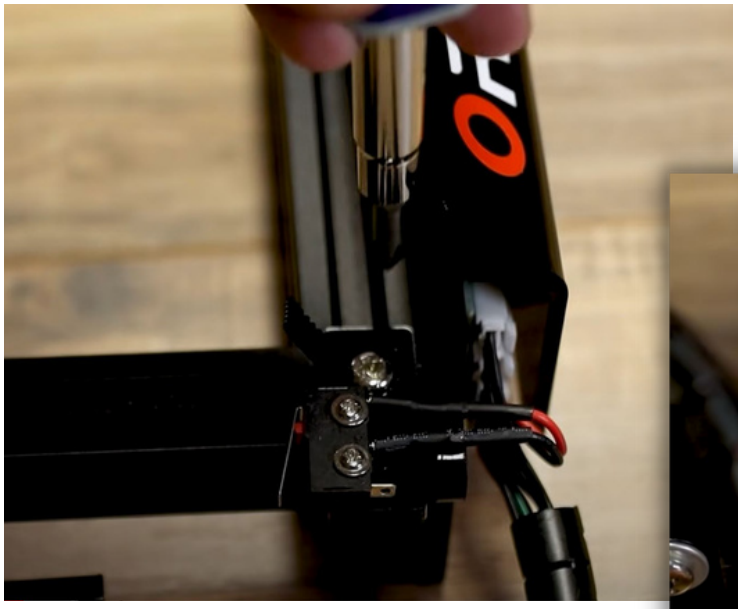
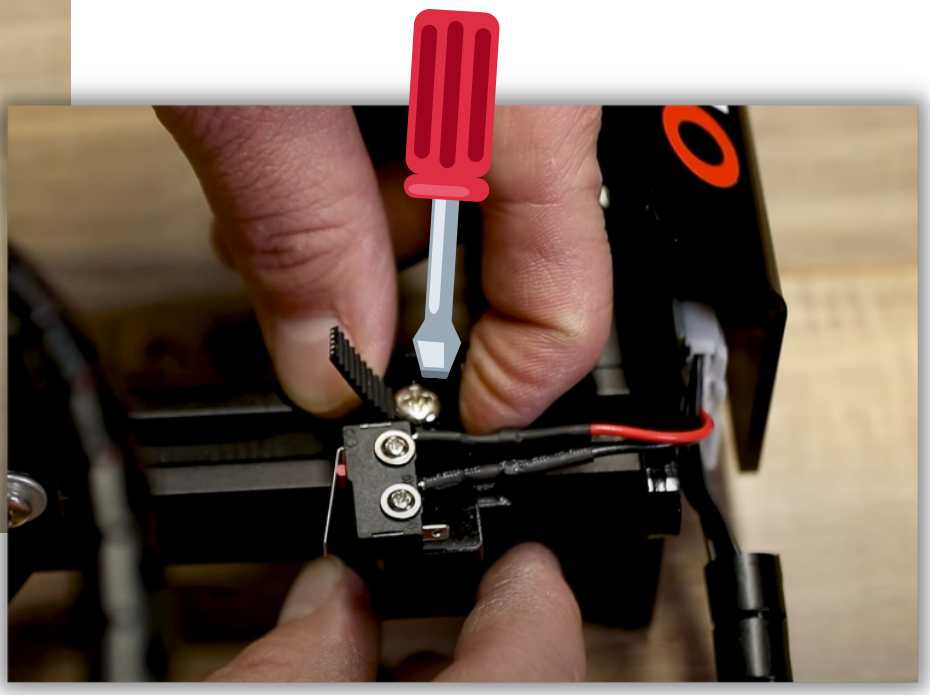
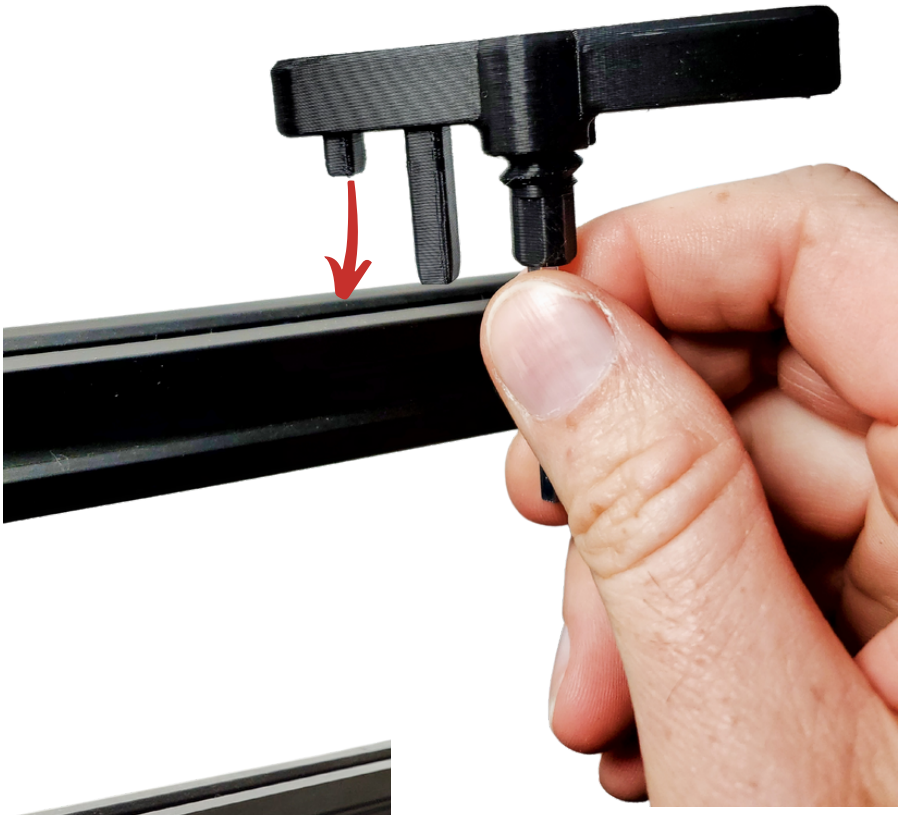


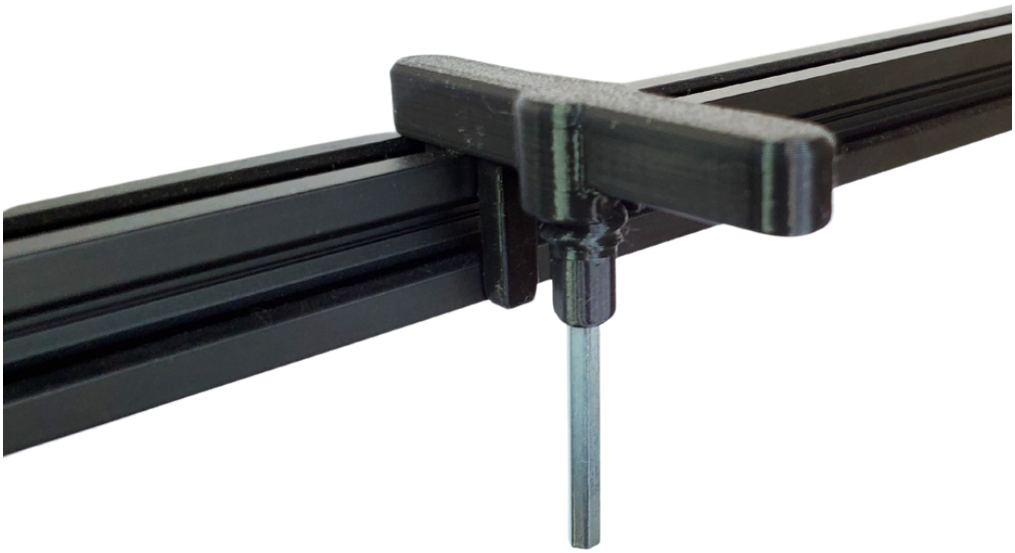


THAT'S IT!

Oh and...

By the way, the reason the t-handle looks so funny is because it rests on your laser's aluminum extrusion. Keeps it out of reach of those tool trolls.





Contact Us:
KingGubbyDesigns@gmail.com

Tag us in your projects

FYI

This Z Axis Adjuster also allows you to attach your 30W, 40W, & 80W Neje Module to your Ortur Frame

ORTUR

NEJE

Only works with the above style Neje modules (not the narrower versions)