



TARANTULA PRO V1



<https://www.tevo.cn>

ASSEMBLY MANUAL

Tevo 3D Electronic Technology Co., Ltd.

READ THIS MANUAL COMPLETELY BEFORE ASSEMBLING AND POWERING UP YOUR PRINTER!

Hazards and Warnings

The Homers Tarantula RS 3D printer has motorized and heated parts. When the printer is in operation always be aware of possible hazards.

Burn Hazard

Never touch the extruder nozzle, or the heater block without first turning off the hotend and allowing it to completely cool down. It usually takes the hotend twenty minutes to completely cool down. Also, never touch recently extruded filaments. The filament can stick to your skin and causes burn.

Fire Hazard

Never place flammable materials or liquids on or near the printer when powered on or in operation. Liquid acetone and vapors are extremely flammable.

Pinch Hazard

When the printer is in operation, be careful never to put your fingers in the moving parts, including the belts, pulleys, gears, wheels or leadscrews.

Static Charge

Make sure to ground yourself before touching the printer, especially the electronics. Electrostatic charges can damage electronic components. To ground yourself, touch a grounded source.

Age Warning

For user under the age of 18, adult supervision is recommended. Beware of choking hazards around children.

| | |
|---|----|
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Dear Customer,

Thank you for purchasing TEVO 3D printer.

With 3 years of rapid development, today we are privileged to connect with thousands of customers every day with superior products and more than 100 distributors in over 30 countries and regions. We believe excellent product and service are the keys to win customers support and expand the market.

We are proud to have you be a TEVO member, to have you in the Big TEVO family, and we can "print" our dreams into reality. Together we will make better work and a better life.

For any question please refer to: <https://help.tevo.cn>

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TEVO Ticket System



Facebook Group



Youtube Channel



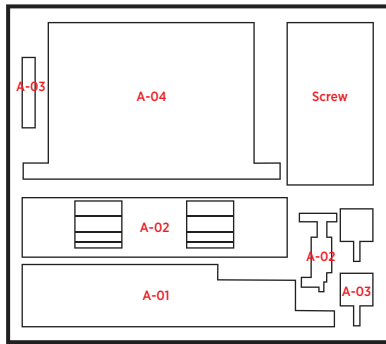
Twitter

Tarantula PRO V1 Specification

| | |
|------------------------------|---|
| Build volume | 235 x 235 x250 mm / 9.25 x 9.25 x9.84 inch |
| Layer resolution | 0.05mm-0.35mm |
| Build speed | 60mm/s-150mm/s |
| Travel speed | 250mm/s |
| Heat bed type | AC Platform Heat Bed |
| Print surface | PC Platform |
| Filament diameter | 1.75mm |
| Supported materials | PLA, Flexible PLA, Wood, PVA |
| Print technology | FDM(Fused Deposition Modeling) |
| Feeder type | Tevo Titan Bowden type |
| XYZ resolution | 0.05mm, 0.05mm, 0.1mm |
| Nozzle type | Volcano |
| Nozzle diameter | 0.4mm |
| Nozzle temperature | 180°C-240°C |
| Nozzle heat up time | < 3 minutes, 0-240°C |
| Build plate heat up time | < 1 minutes, 0-180°C |
| Operating sound | < 30dBA |
| Input/Output | AC 110V-240V, 50-60Hz, DC 24V, 8.5A |
| Power Supply | 220W, FCC, ROHS, CE Certification etc. |
| Control board | MKS SGen L V1.0, MKS TFT24 V1.0 TP, TMC2208 |
| Product weight | 7.7kg Approximately |
| Shipping weight | 9.7kg Approximately |
| Product dimension | 434 x 333 x 504 mm / 17.09x 13.11 x19.84 inch |
| Shipping box | 500 x 440 x 190 mm |
| Support for slicing software | Simplify3D, Cura, Slic3r, Repetier host etc. |
| Assembly model | DIY KITS (Prebuilt Mainboard Wires, rest of kits DIY) |

Packing list

LAYER A



A-01

| SKU | Item | Pcs | Description pics |
|-----------|--|-----|------------------|
| 53-01326A | T8 Lead screw, 8mm, 4teeth, 8mm | 1 | |
| 52-01692A | Aluminum extrusion, 2040, 400mm, Vslot, Y axis | 1 | |
| 52-01694A | Aluminum extrusion, 2040, 350mm, Vslot, left/right | 2 | |
| 52-01693A | Aluminum extrusion, 2040, 250mm, Vslot, mid | 1 | |

A-01 Screw bag

| SKU | Item | Pcs | Label |
|-----------|---------------------------------------|-----|-------|
| 56-01687A | M5x30 socket head bolt | 4 | |
| 56-01337A | M5x45 socket head bolt | 4 | |
| 56-00076A | M5 washer | 8 | |
| 56-01271A | M4x20 socket head bolt | 4 | |
| 56-00003A | M4 T NUT | 4 | |
| 59-01597A | Rubber foot, 24*19*31mm, 5mm diameter | 4 | |

A-02

| SKU | Item | Pcs | Description pics |
|-----------|---------------------------|-----|------------------|
| 59-01723B | Front panel, for screen | 1 | |
| 11-01200B | MKS 2.4 inch touch screen | 1 | |

A-02 Screw bag

| SKU | Item | Pcs | Label |
|-----------|-----------------------|-----|-------|
| 56-01893A | M3x10 bolt | 4 | |
| 09-01080B | LCD wire, 8pin, 0.6m | 1 | |
| 56-00292A | M5x8 socket head bolt | 4 | |
| 56-00620A | M5 T nut | 4 | |

Packing list

A-03

| SKU | Item | Pcs | Description pics |
|-----------|--------------------------|-----|------------------|
| 07-00032A | Stepper Motor · 40mm | 2 | |
| 56-01696B | Metal panel · for Y axis | 1 | |

A-03 Screw bag

| SKU | Item | Pcs | Label |
|-----------|---------------------------|-----|-------|
| 56-01697A | Y frame | 1 | |
| 53-00169A | Flange bearing F624zz | 2 | |
| 56-01335A | M4x25 socket head bolt | 2 | |
| 53-01338A | Spacer 4.2mm*7mm 6mm high | 1 | |
| 56-00624A | M4 Locknut | 2 | |
| 56-00460A | M4x8 socket head bolt | 5 | |
| 56-00003A | M4 T nut | 5 | |
| 56-00854A | M3x6 button head bolt | 4 | |
| 53-00008A | Timing wheel 5mm | 1 | |

A-04

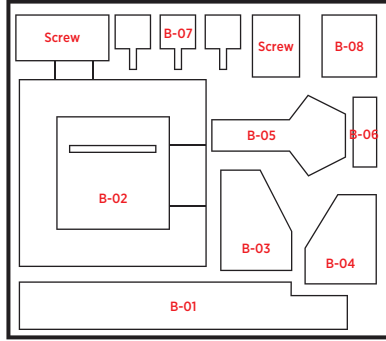
| SKU | Item | Pcs | Description pics |
|-----|-----------------------------|-----|------------------|
| | control box (pre-assembled) | 1 | |

A-04 Screw bag

| SKU | Item | Pcs | Label |
|-----------|--------------------------|-----|-------|
| 56-00292A | M5x8 flat head bolt, M/C | 6 | |
| 56-00620A | M5 T NUT | 2 | |

Packing list

LAYER B



B-01

| SKU | Item | Pcs | Description pics |
|-----------|--|-----|------------------|
| 53-01326A | Aluminum extrusion · 2020 · 330mm · V slot | 1 | |
| 52-01316A | Aluminum extrusion · 2020 · 345mm · V slot | 1 | |
| 52-01691A | Aluminum extrusion · 2040 · 424mm · V slot | 2 | |

B-01 Screw bag

| SKU | Item | Pcs | Label |
|-----------|------------------------|-----|-------|
| 56-00617A | M5x25 socket head bolt | 8 | |
| 56-00076A | M5 washer | 8 | |

B-02

| SKU | Item | Pcs | Description pics |
|-----------|------------------------------|-----|------------------|
| 53-01698A | Sheet Metal, for bed support | 1 | |
| 51-01808B | Soft Magnetic Pad | 1 | |
| | Heating bed (pre-assembled) | 1 | |

B-02 Screw bag

| SKU | Item | Pcs | Label |
|-----------|-----------------------------------|-----|-------|
| 59-00005A | Wheel 24mm | 4 | |
| 53-00671A | Aluminum column 5x8mm, 7mm length | 2 | |
| 53-01191A | Eccentric nut | 2 | |
| 56-00075A | M5 locknut | 4 | |
| 56-00277A | CopperPad 5x8x1 | 2 | |
| 56-00586A | M5x30 socket head bolt 4 | 4 | |

B-02-1 Screw bag

| SKU | Item | Pcs | Label |
|-----------|----------------------------|-----|-------|
| 56-01700A | M4x40 bolt | 4 | |
| 56-01699A | Springs 4x8mm, 25mm length | 4 | |
| 56-01758A | M5, Knurled thumb nuts | 4 | |

B-03

| SKU | Item | Pcs | Description pics |
|-----------|-----------------------------|-----|------------------|
| 59-01704B | PC, for left X axis, Orange | 1 | |
| 59-01705B | PC, for left X axis, black | 1 | |

Packing list

B-03 Screw bag

| SKU | Item | Pcs | Label |
|-----------|-------------------------------|-----|-------|
| 56-00855A | M3x8 button head bolt | 4 | |
| 56-00060A | M3x12 sockethead bolt, M/C | 4 | |
| 56-00066A | M3 NUT | 4 | |
| 56-01064A | M3 Washer | 4 | |
| 56-00675A | T8 Leadscrew nut, 4teeth, 8mm | 1 | |
| 56-00275A | M5*20 socket head bolt | 2 | |
| 56-00076A | M5 washer | 2 | |
| 56-00453A | M3x30 button head bolt | 1 | |
| 53-00008A | Timing wheel 5mm | 1 | |
| 56-00074A | M5 nut | 2 | |
| 53-01191A | Eccentric nut | 2 | |
| 56-00075A | M5 locknut | 2 | |
| 56-00277A | CopperPad 5x8x1 | 2 | |
| 59-00005A | Wheel 24mm | 3 | |
| 56-00643A | M5*40 socket head bolt | 3 | |
| 53-00671A | Aluminum Spacer | 4 | |

B-04

| SKU | Item | Pcs | Description pics |
|-----------|------------------------------|-----|------------------|
| 59-01734B | PC, for right X axis, Orange | 1 | |
| 59-01756B | PC, for right X axis, black | 1 | |
| 59-01734B | Tools | 1 | |

B-04 Screw bag

| SKU | Item | Pcs | Label |
|-----------|------------------------------|-----|-------|
| 59-00005A | Wheel 24mm | 3 | |
| 53-00671A | Spacer 5x8mm, 7mm length 4 | 2 | |
| 53-01191A | Eccentric nut | 2 | |
| 56-00075A | M5 Locknut | 3 | |
| 56-00277A | Copper Pad 5x8x1mm | 2 | |
| 56-00643A | M5x40 socket head bolt | 3 | |
| 56-00292A | M5x8 socket head bolt | 2 | |
| 56-00620A | M5, T NUT | 2 | |
| 53-01269A | Flange bearing F604zz | 2 | |
| 56-01271A | M4x20 socket head bolt | 1 | |
| 53-01338A | Spacer 4.2x7mm, 6mm length 1 | 1 | |
| 56-00274A | M4 NUT | 1 | |

B-05

| SKU | Item | Pcs | Description pics |
|---------------------|------|-----|------------------|
| E3D (Pre-assembled) | | 1 | |

B-07

| SKU | Item | Pcs | Description pics |
|-----------|---------------------|-----|------------------|
| 07-00032A | Stepper motor, 40mm | 2 | |

B-07 Screw bag

| SKU | Item | Pcs | Label |
|-----------|------------------------|-----|-------|
| 53-00009A | Coupler, 5mm 8mm | 2 | |
| 59-01303B | Motor fixed | 2 | |
| 56-00003A | M4 T-nut | 4 | |
| 56-00302A | M4x12 Socket head bolt | 4 | |
| 56-00950A | M3x14 bolt | 4 | |
| 59-01076A | O Ring | 2 | |

B-03-1 Screw bag

| SKU | Item | Pcs | Label |
|-----------|-----------------------|-----|-------|
| 56-00292A | M5x8 socket head bolt | 2 | |
| 56-00620A | M5 T nut | 2 | |
| 14-00692A | Endstop | 3 | |
| 55-00645B | Y Endstop acrylic | 2 | |
| 56-01223A | M2.8x6 bolt | 6 | |

B-04-1 Screw bag

| SKU | Item | Pcs | Label |
|-----------|----------------------------|-----|-------|
| 59-00005A | V-wheel 24mm | 3 | |
| 53-00671A | Spacer 5x8mm, 7mm length 2 | 2 | |
| 53-01191A | Eccentric nut | 1 | |
| 56-00075A | M5 Locknut | 3 | |
| 56-00277A | Copper Pad 5x8x1mm | 1 | |
| 56-00273A | M5x25 sockethead bolt | 3 | |
| 56-00058A | M3x8 socket head bolt | 2 | |
| 56-00855A | M3x8 button head bolt | 4 | |

B-04-2 Screw bag

| SKU | Item | Pcs | Label |
|-----------|-----------------------|-----|-------|
| 59-01787B | Leadscrew fix part | 2 | |
| 53-00656A | Flange bearing F688zz | 2 | |
| 56-00292A | M5x8 socket head bolt | 4 | |
| 56-00620A | M5 T nut | 4 | |
| 56-01213A | M5x8 button head bolt | 4 | |

B-06

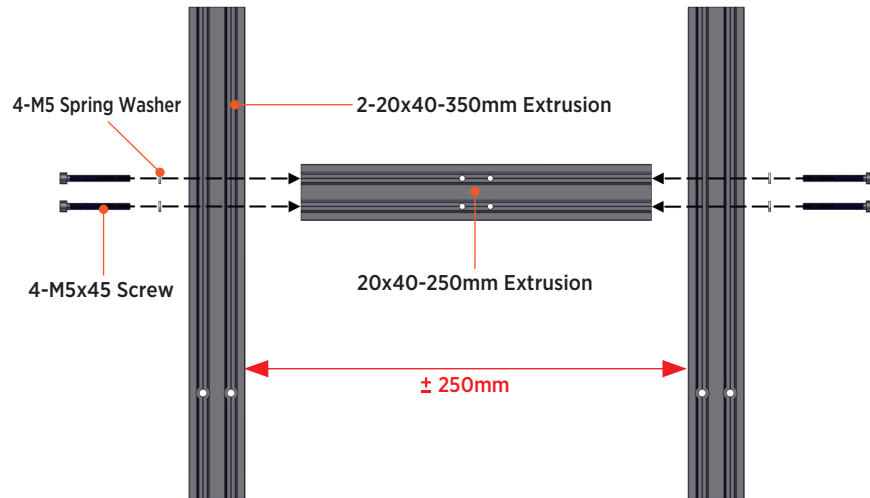
| SKU | Item | Pcs | Description pics |
|--------------------------------|------|-----|------------------|
| Titan extruder (pre-assembled) | | 1 | |

B-08

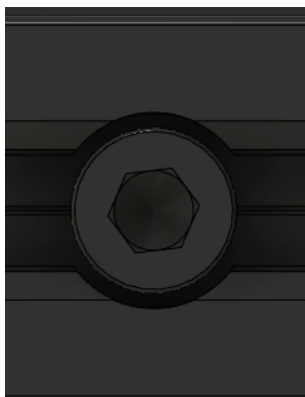
| SKU | Item | Pcs | Description pics |
|-----------|--------------------------------------|-----|------------------|
| 56-01703A | Sheet Metal, for E3D | 1 | |
| 56-01701A | Sheet Metal, connect E3D with X axis | 1 | |

Assembly of the bottom frame A-01

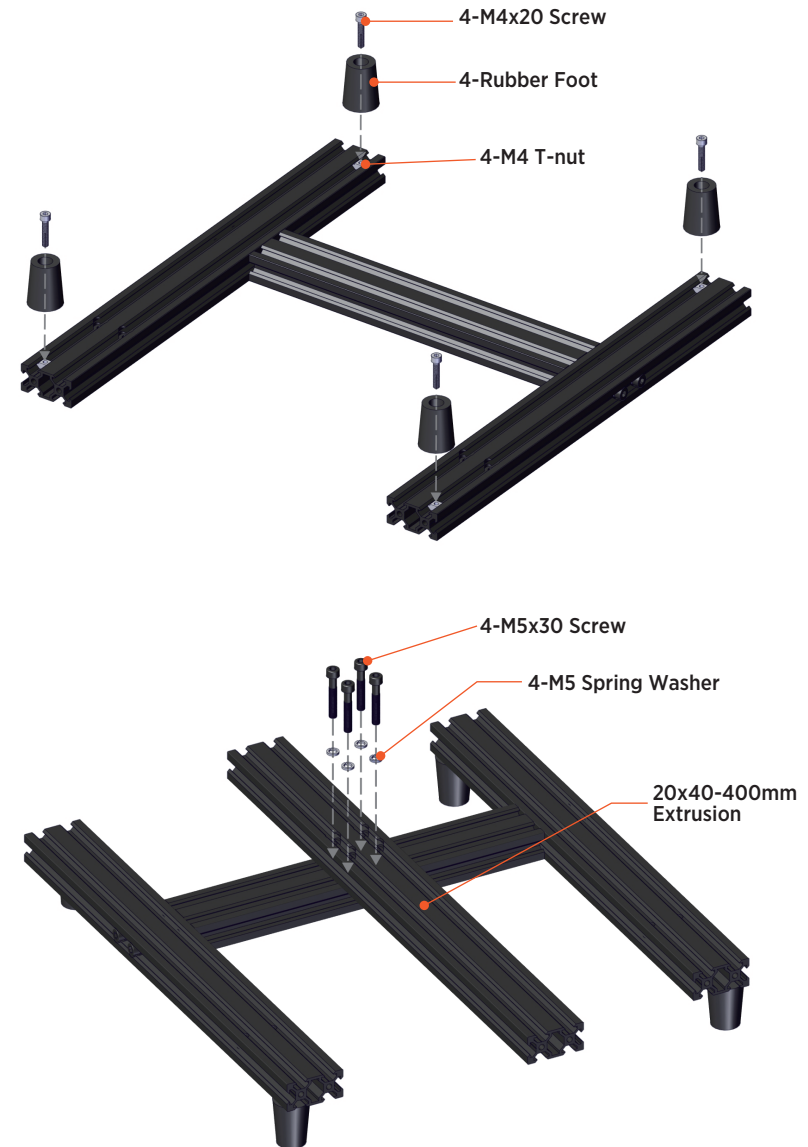
Line up the extrusions as in picture and fasten those together using M4x45 bolts and M5 spring washers. The parts needed for this assembly are found from A-01 bag and A-01 slot.



Give special attention for right orientation of the profiles and the round slots. Those round slots are meant to countersunk bolts so that bolt head will be hidden.

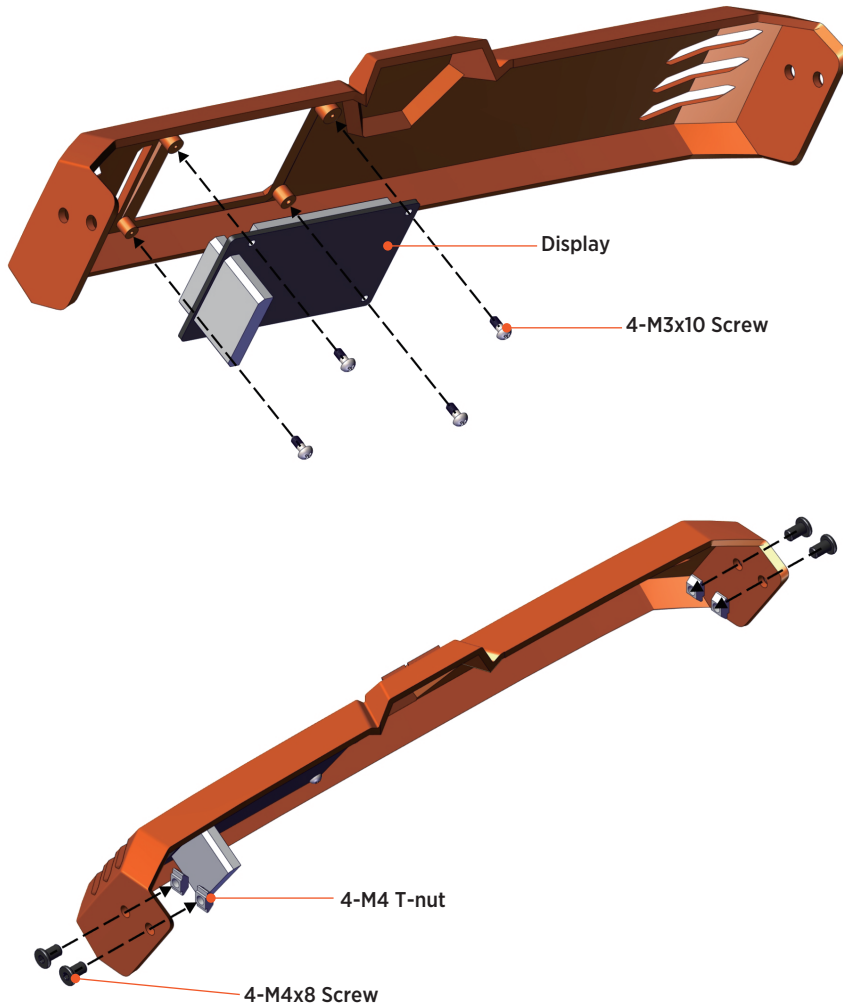


Assembly of the bottom frame A-01



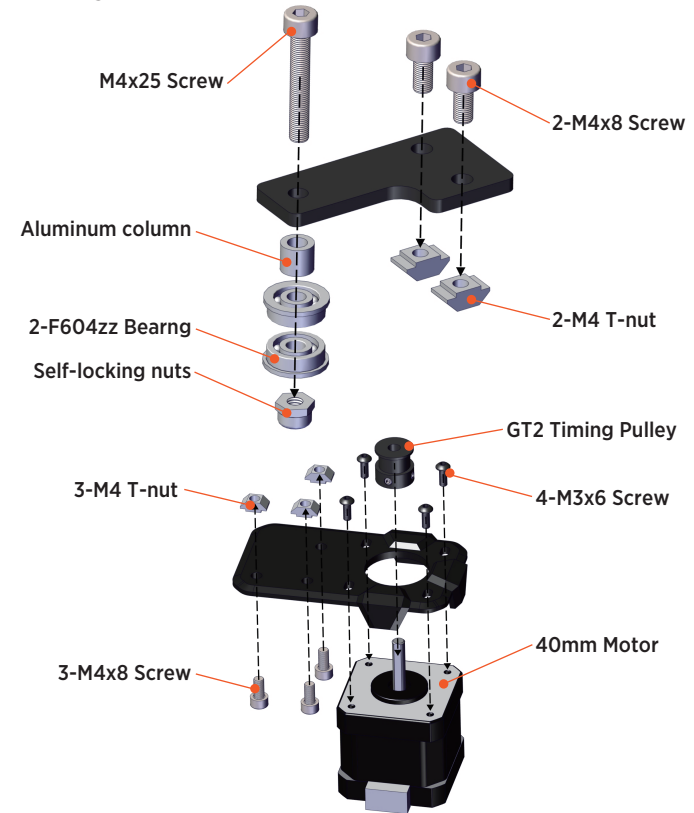
Front panel assembly A-02

Prepare the front panel as shown and then slide it in frame, you can find these items from slot A-02 and A-02 bag.

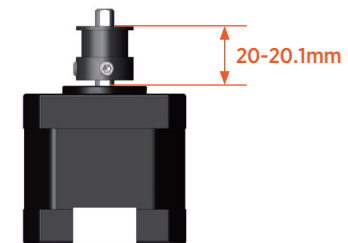


Y axis parts preparation A-03

Prepare the Y axis idler and motor plate as shown in the following pictures. Leave the M5 bolts with T-nuts loose until the parts will be installed to the frame. The parts for these steps are found from slot A-03 and bag A-03.

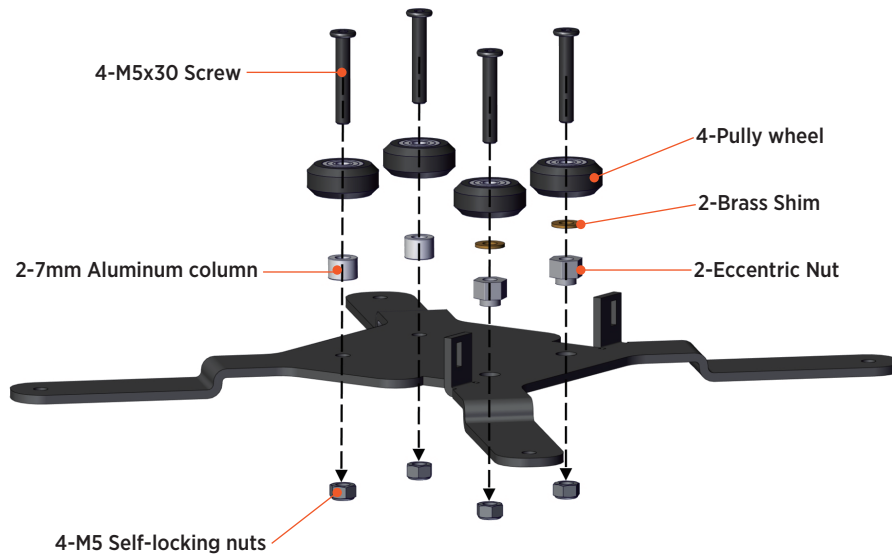


They motor's timing aheel distance around 20mm.



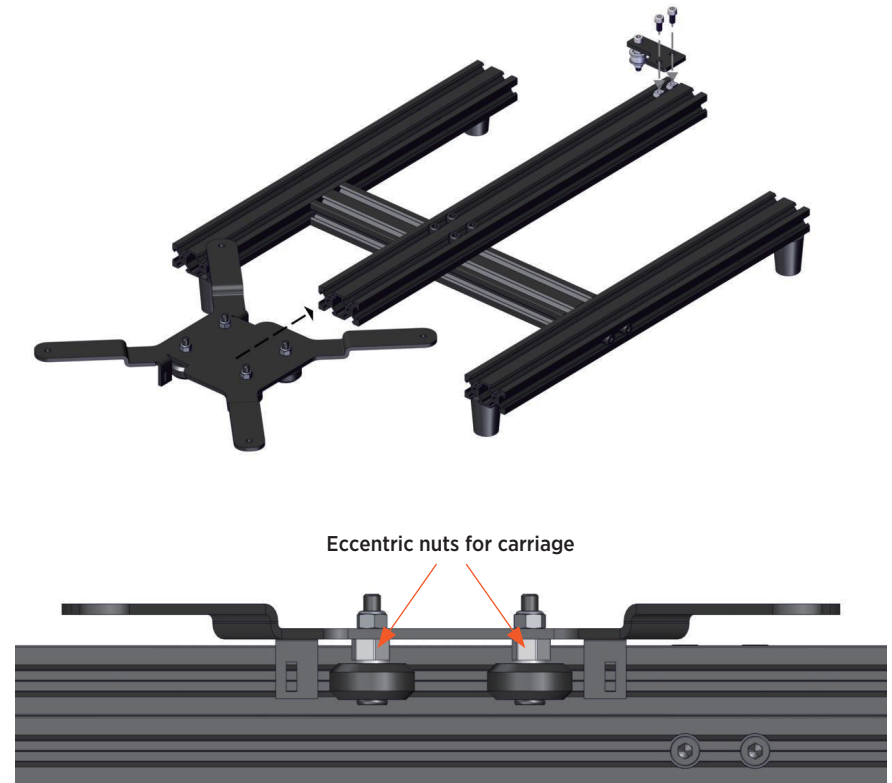
Bed carriage assembly B-02

Assemble the bed carriage as in picture. Tighten the two bolts which have 6mm spacers gently but leave the two eccentric nut bolts slightly loose so that eccentric nuts turn easily. The parts for this step are found from B-02 slot and B-02 bag.



Finalizing the assembly A-01, A-02, A-03 and B-02

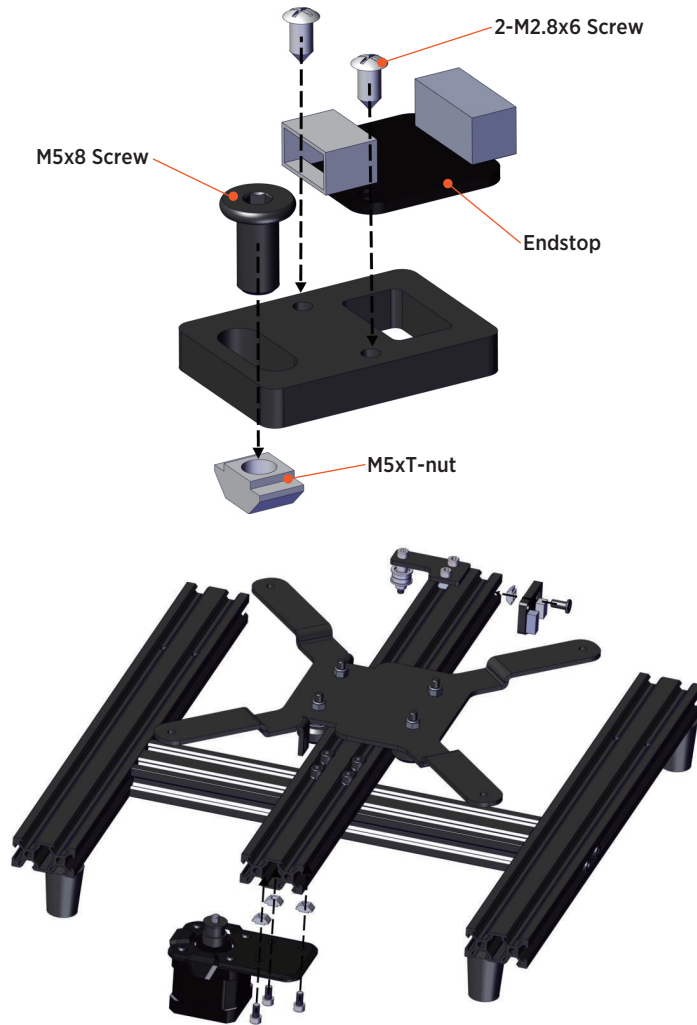
Slide the bed in extrusion and install idler plate in the end of extrusion as shown. Then slide carriage in frame and use the key to adjust the eccentric nuts so that carriage is snug fit to rails and carriage moves smoothly. In the end tighten the M5 nuts gently.



Install the Y axis motor bracket and endstop in place and tighten the bolts.

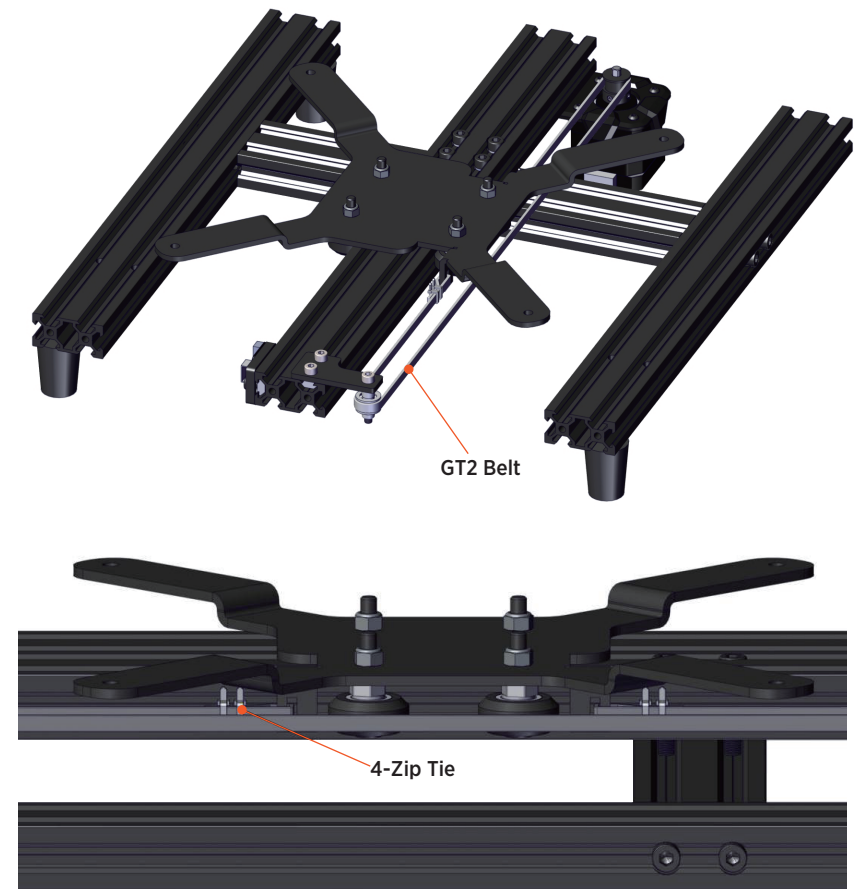
Finalizing the assembly A-01, A-02, A-03 and B-02

Assemble the Endstop as in picture. Leave the M5 bolts with T-nuts loose until the parts will be installed to the frame. The parts needed for this assembly are found from B-03-1 bag



Finalizing the assembly A-01, A-02, A-03 and B-02

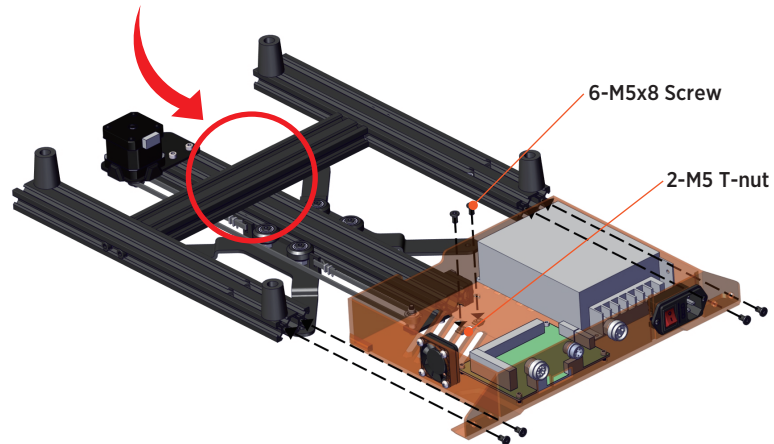
Loop the GT2 belt around idler and motor pulley and connect both ends to slots in heatbed carriage with zipties. Last step is to tighten the belt which can be done by loosening slightly two M5 bolts holding idler plate in extrusion and sliding idler plate so that belt tightens and then tightening the bolts again



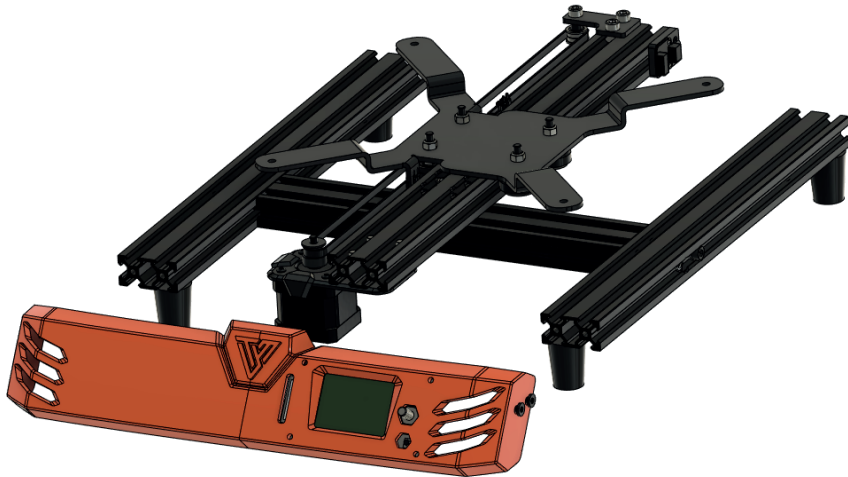
Control box and front panel installation

Install the control box in the frame. Items required are found from bag A-04. Use the M5x8 bolt and T-nut to attach controller to middle extrusion as shown.

Loosen the screws on the Y profile before the power box is inserted, otherwise it won't be easy to put the control box into the alu frame.

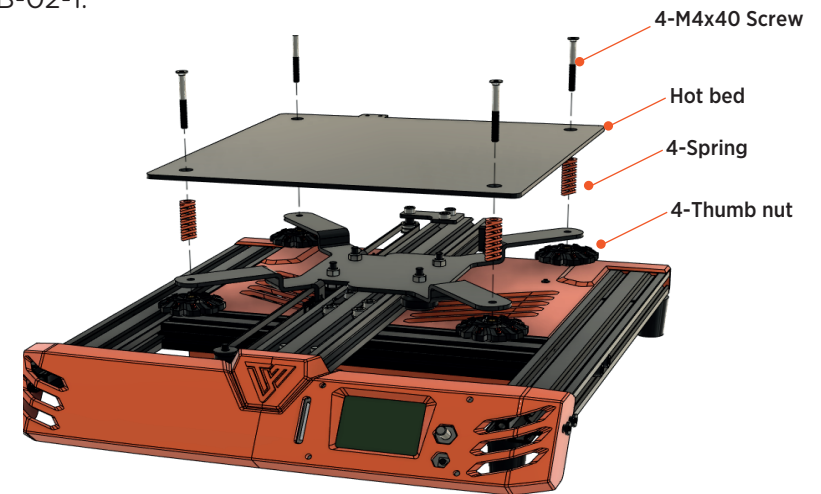


Slide the front panel in extrusions and tighten the M5 bolts in both sides of the front panel.



Hotbed assembly

Install the hotbed and tighten the nuts just some turns as these are later used to adjust the bed level. These parts can be found from bag B-02-1.

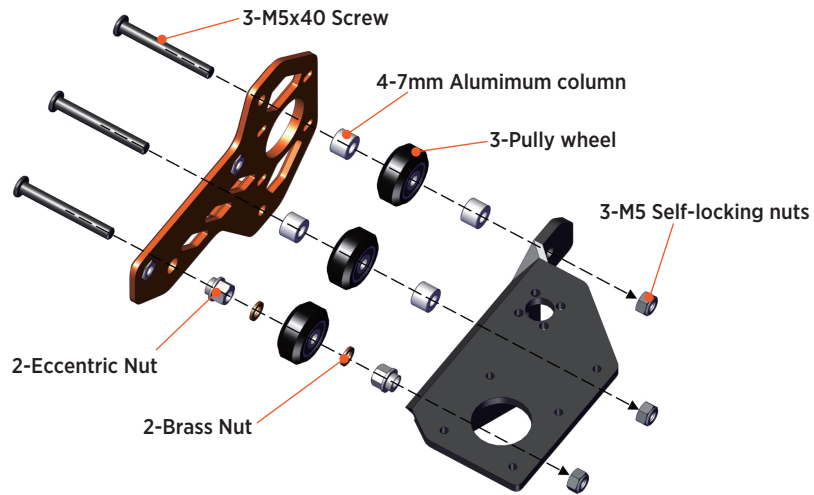


After this remove the cover from underside of heatbed cover and install it on top of the heatbed surface. Try to do it so that there will be no air bubbles left between the surfaces.



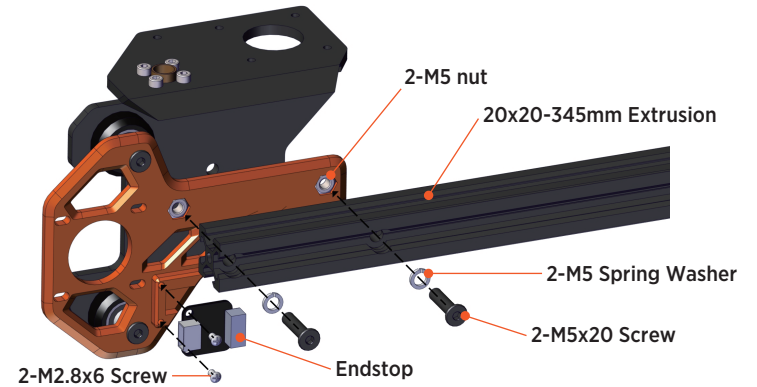
X axis assembly left side B-03

Assemble the X axis as in picture. Parts for this step are found from slot B-03 and bag B-03.

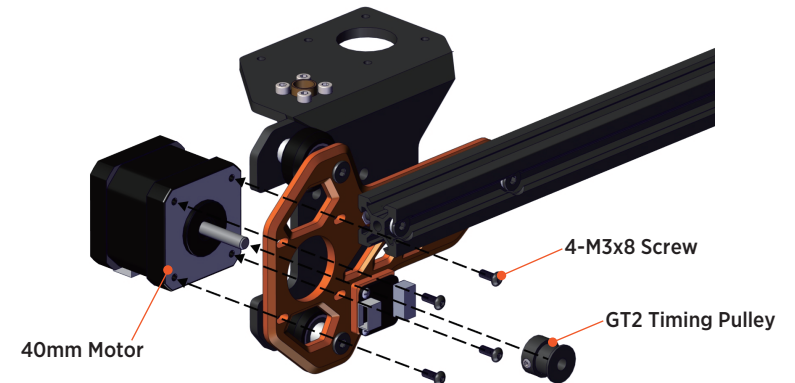


X axis assembly left side B-03

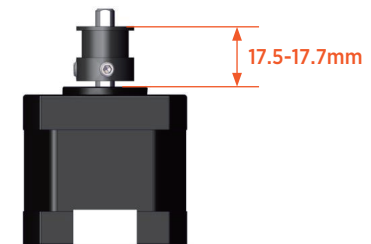
Assemble the motor mount endpiece to the X axis extrusion as shown. There is two bolt slots that match to the motor mount end- piece threaded holes. The parts for these steps are found from slot B-01.



Then install the stepper motor pulley and limit switch to the end- piece. Motor cable connector should face downwards.

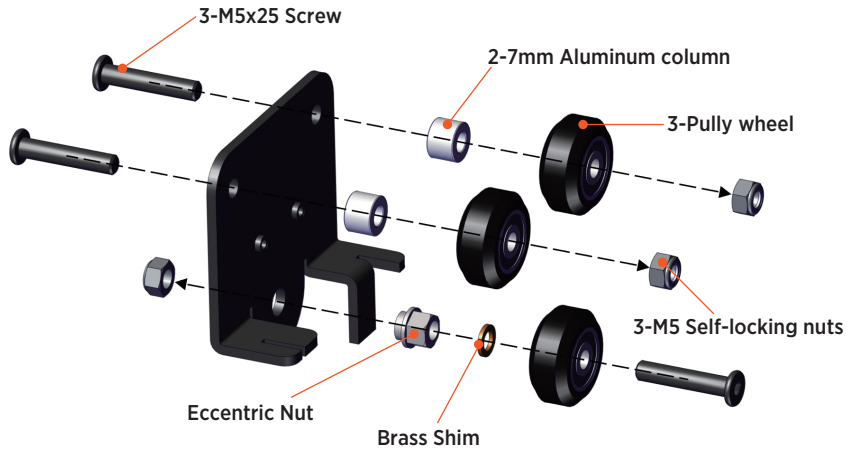


The y motor's timing aheel distance around 17.5mm.



hotend assembly B-04-1

Assemble the hotend carriage as shown. Parts for this step are found from slot B-08 and bag B-08.

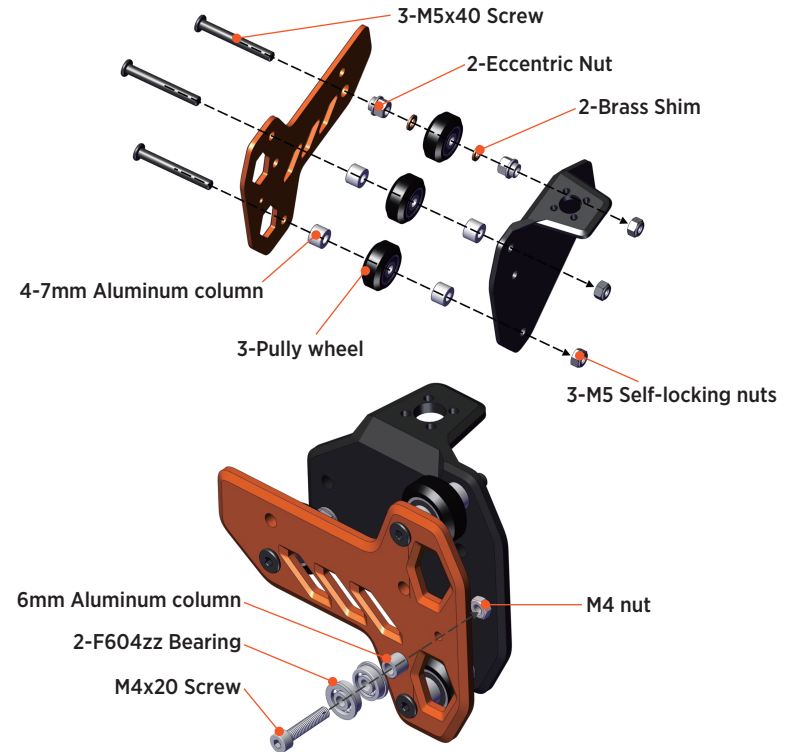


Install hotend carriage to extrusion and tighten the eccentric nut again as explained in the heat bed assembly.

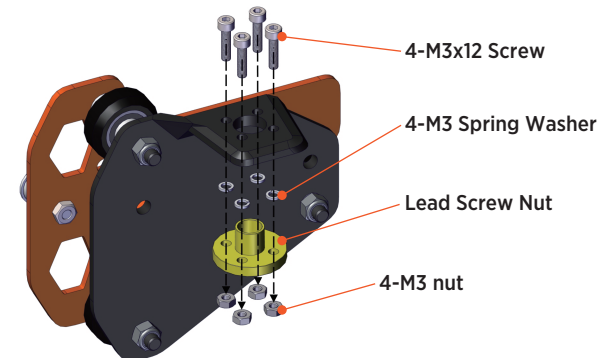


Right side assembly B-04

Assemble the X axis Right side as in picture. Parts for this step are found from slot B-04 and bag B-04,B-04-1.

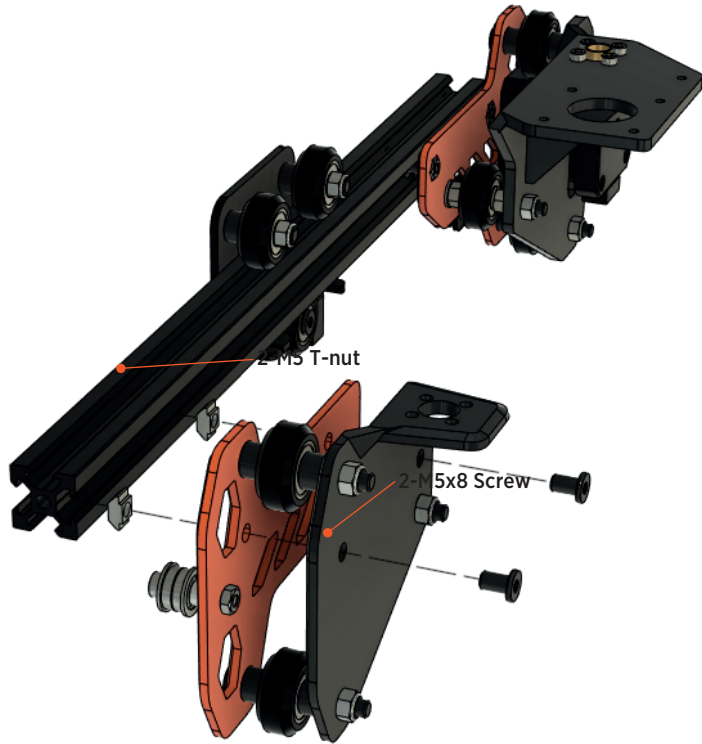


Install the leadscrew nut as shown.



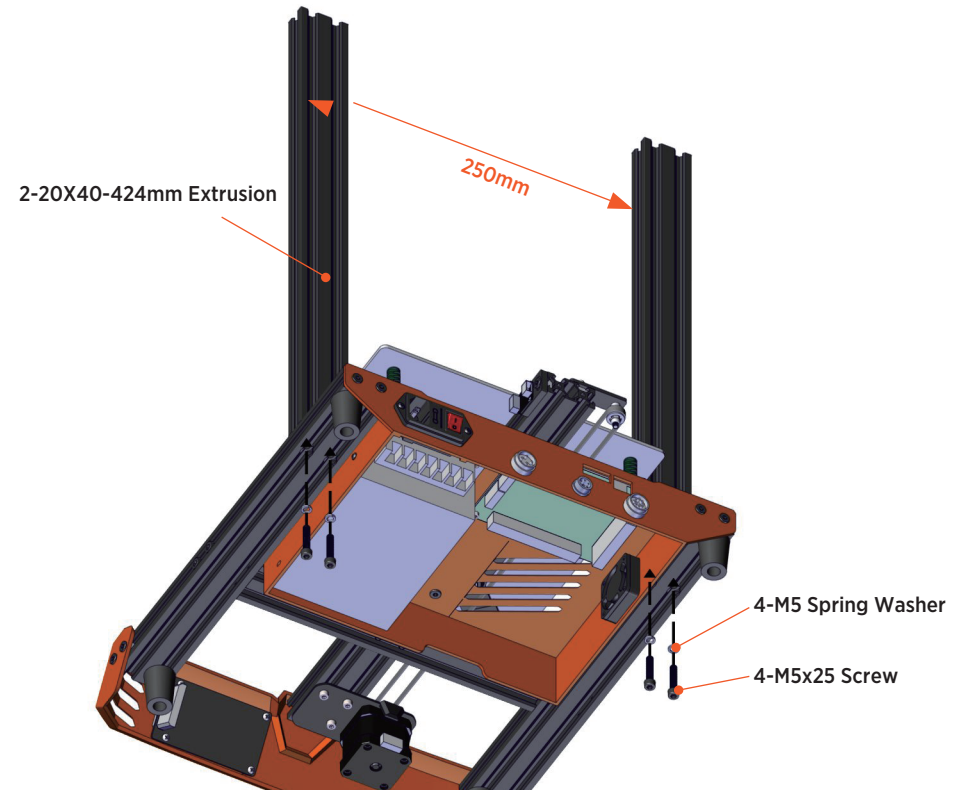
Right side and hotend assembly B-04,B-08

Install the assembly to other side of extrusion as shown, you can leave the M5x8 bolts slightly loose still as those will be tightened later in assembly.



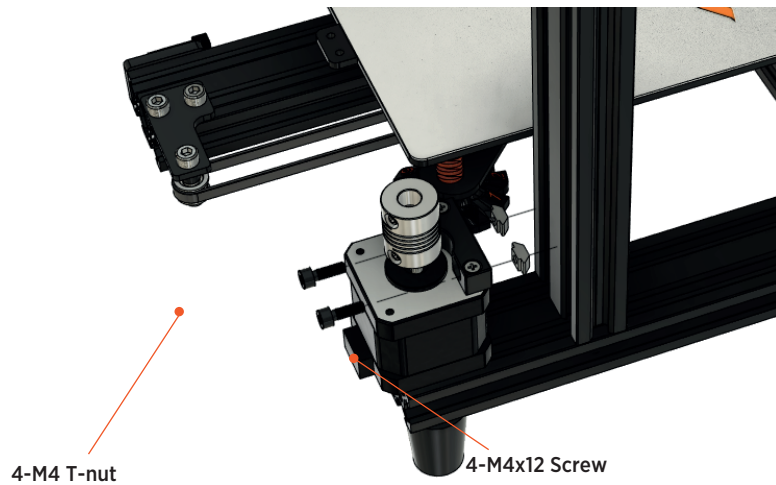
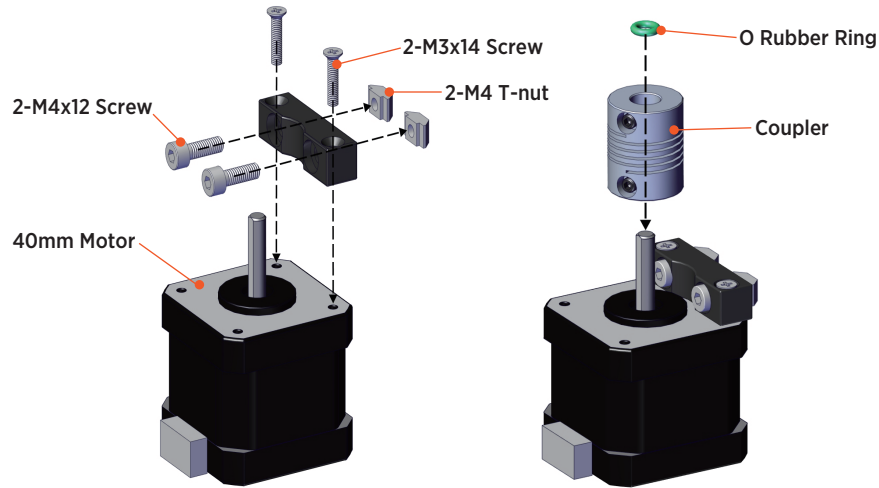
Upper frame assembly

Install the two Z axis extrusions to bottom frame using 4xM5x25 bolts and 4xM5 spring washers. The parts are found from slot B-01 and bag B-01.



Z axis assembly B07

Install the motor bracket and coupler with O-ring as shown and install then it to the Z axis extrusion as shown. The parts are found from bag B-07.



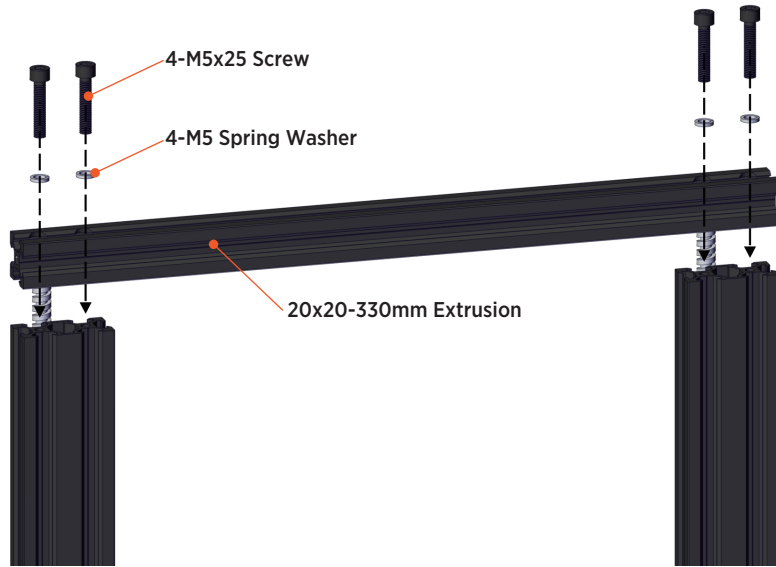
Z axis assembly B-07,B-04-1

You can now turn the leadscrew around midway in the leadscrew nut and slide the X assembly on frame. Slide it down until the leadscrew goes inside the coupler and then tighten the coupler holding screw.



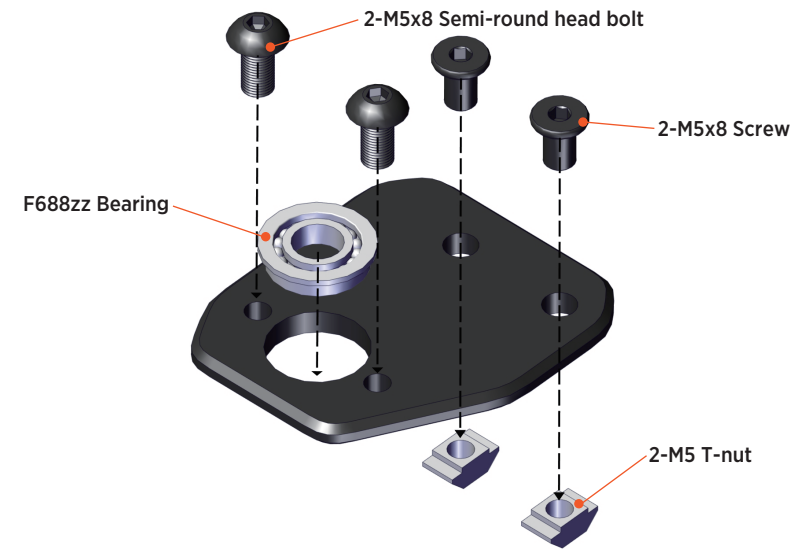
Z axis assembly B-07

Assemble the Z axis top extrusion as in picture. Parts for this step are found from slot B-01 and bag B-01.

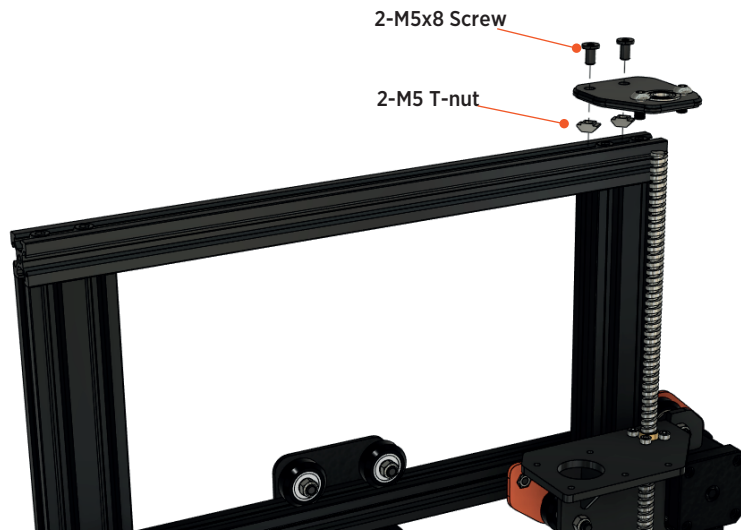


Z axis assembly B07

Assemble the leadscrew top bearing bracket as in picture. Parts for this step are found from slot B-09 and bag B-04-2. After that, repeat the instruction steps to install the other part.



Z axis assembly B07

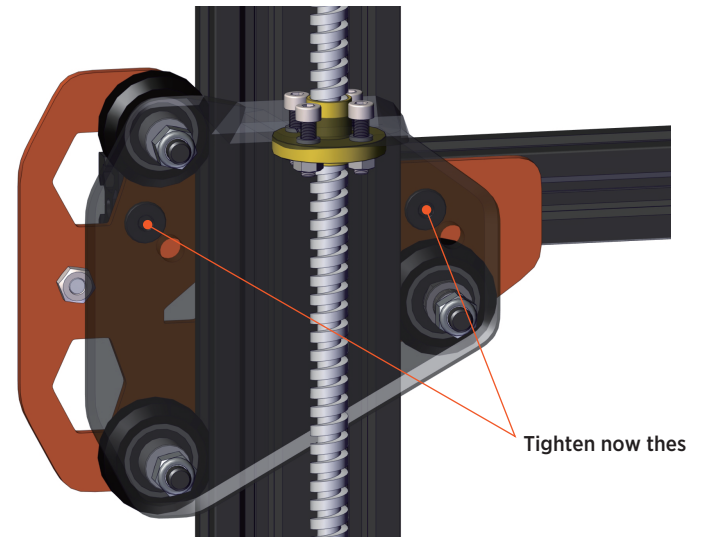


After this adjust again eccentric nuts so that Z axis moves smoothly and then tighten again the M5 nuts. And as last step for X axis tighten the two M5x8bolts on right side.

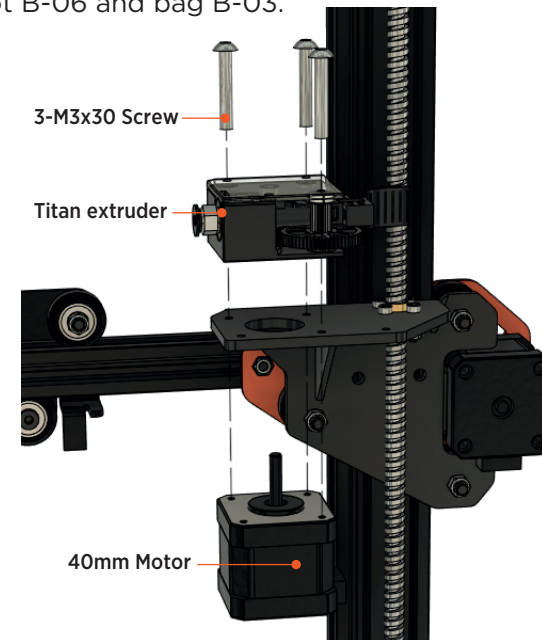


Z axis assembly B07

Pull the careiage out make sure it fix well.

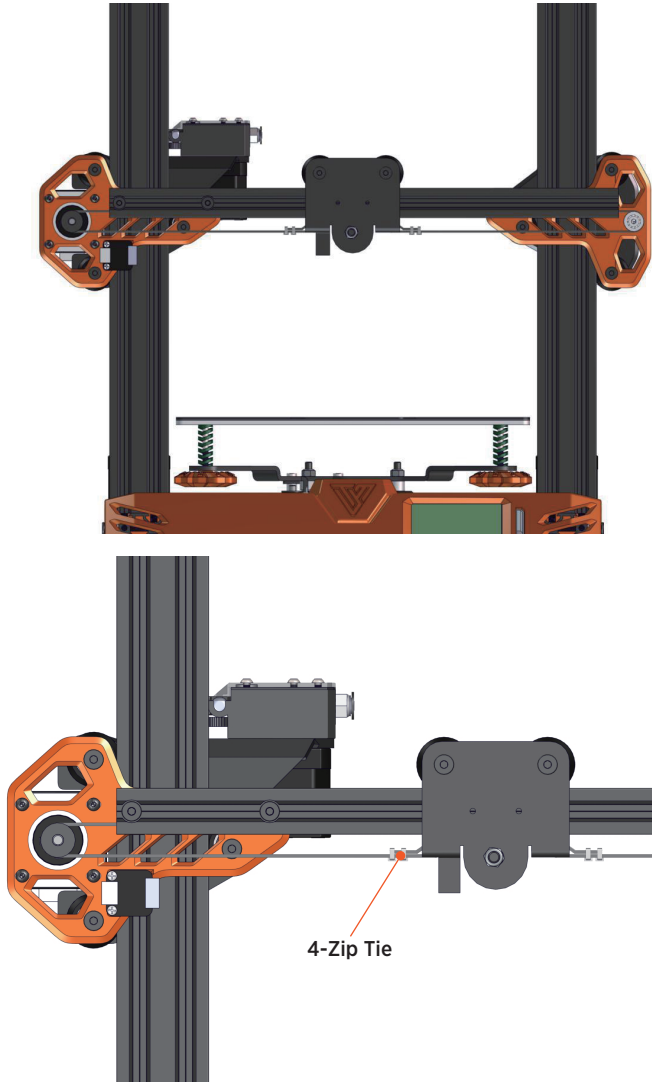


Assemble the Titan Extruder as in picture. Parts for this step are found from slot B-06 and bag B-03.



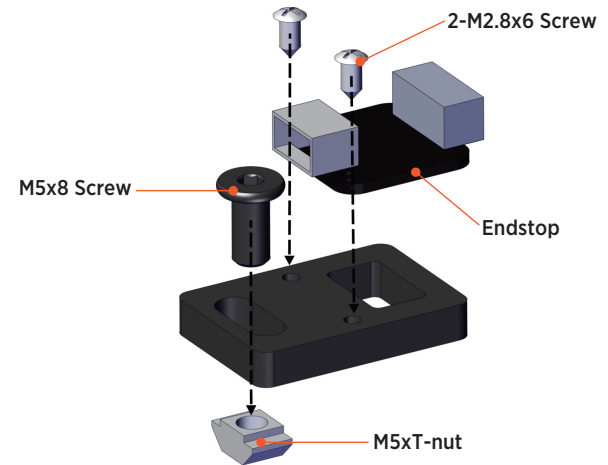
Z axis assembly B07

Loose the X axis stepper bolts slightly so that stepper can move in the slots. Install tightly the X axis belt and use zip ties to attach it to carriage and then you can use stepper to tighten the belt little more and then tighten the screws.

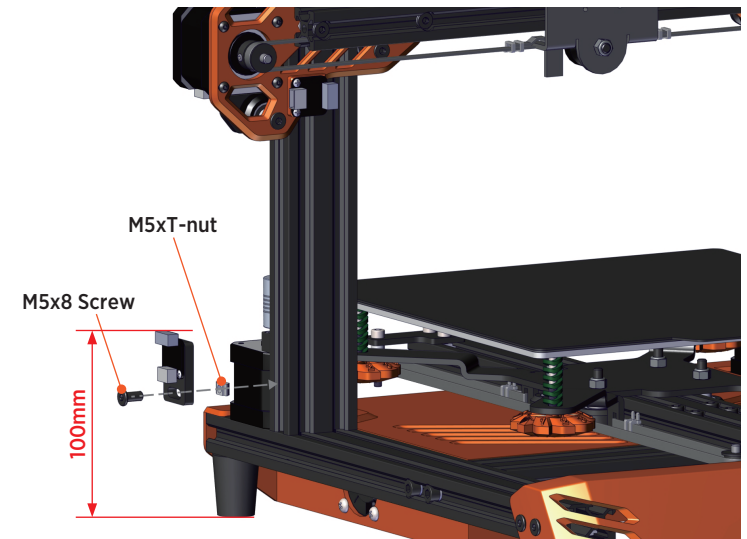


Z axis assembly B07

Assemble the Endstop as in picture. The parts needed for this assembly are found from B-03-1 bag

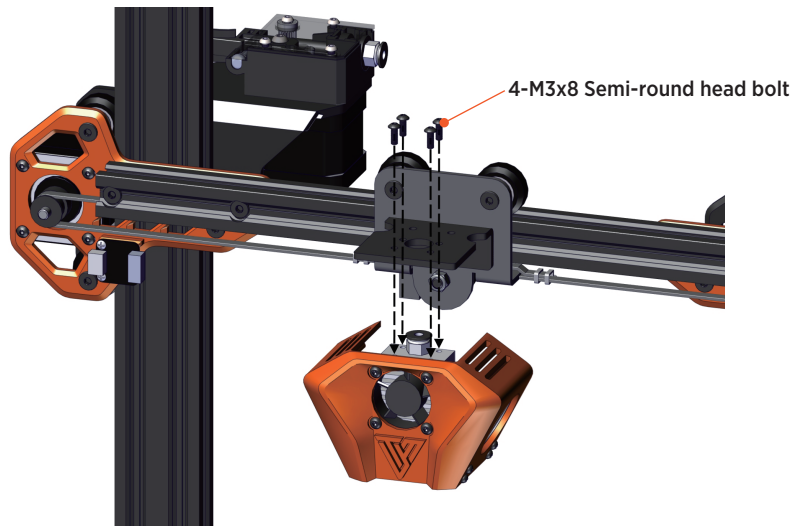
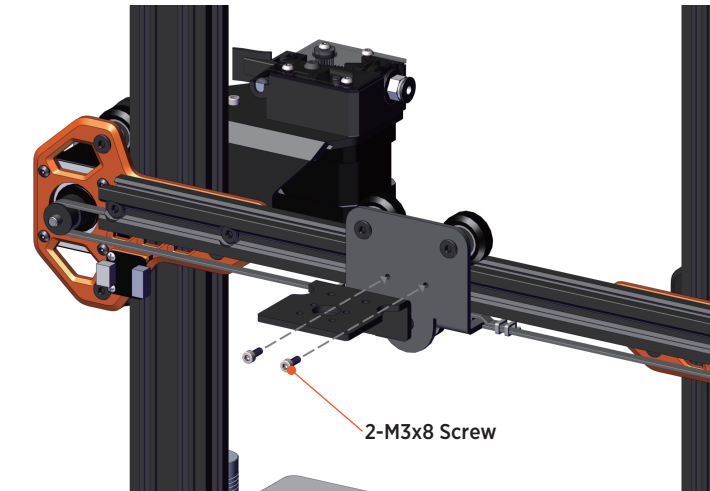


Install the Z axis endstop as shown.



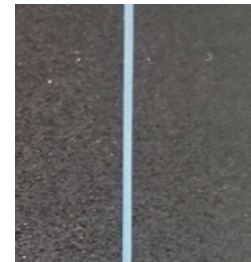
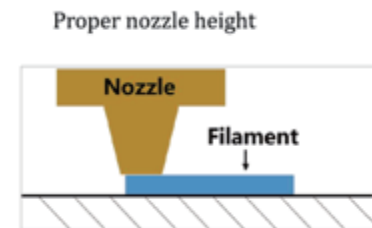
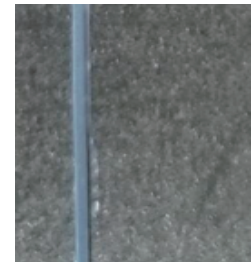
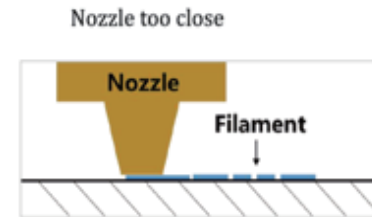
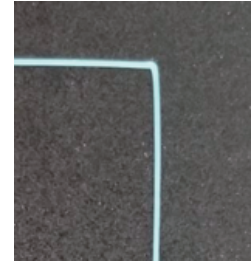
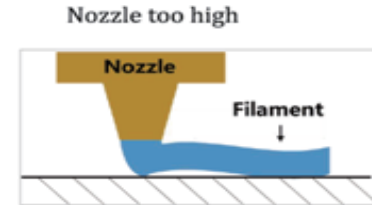
Hotend assembly B-05

Install the hotend holding plate and hotend assembly as shown in pictures. Parts can be found from bag B-08 and slot B-05, B-08.



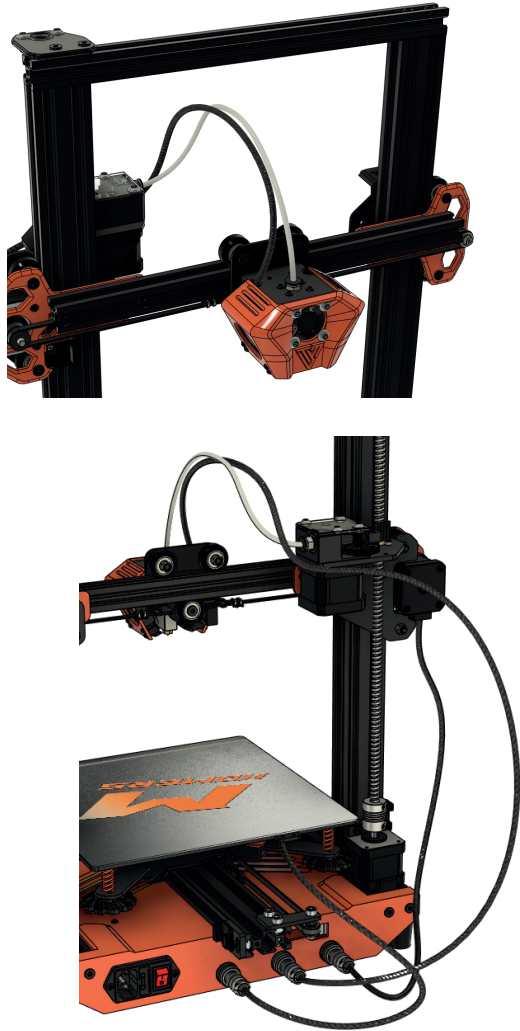
Bed leveling

Adjust the wheels locate in 4 corners and make the filament come out good as shown in picture "Proper nozzle height".



Wiring and filament guide

The last step is to install the white teflon tube between extruder and hotend and to connect the wires. Push gently the teflon tube in until it stops. When connecting the wires check that connectors match and amount of the pins is the same on both end . You can use zip ties to fasten the hotend wires to teflon tube to increase rigidity.



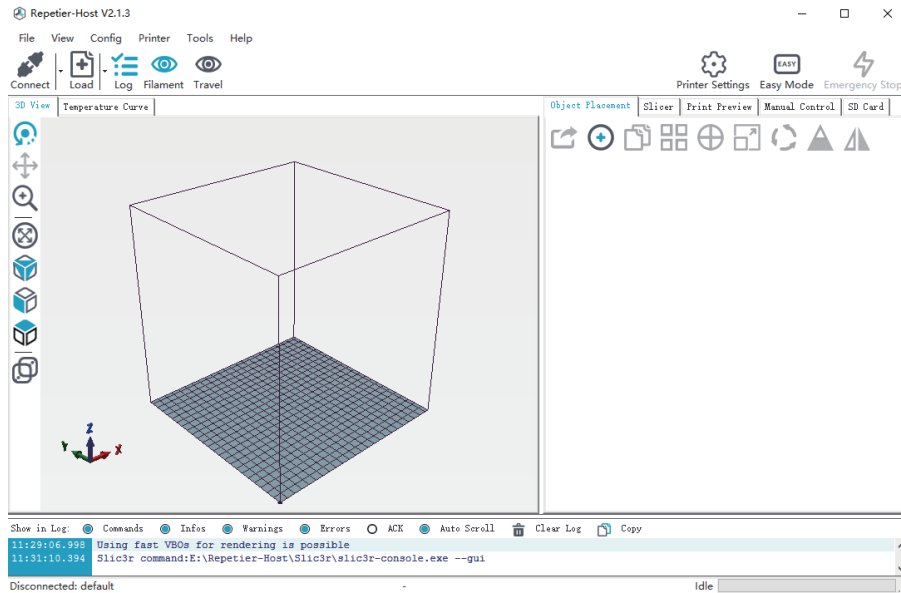
Hotend assembly B-05

Your Tarantula Pro V1 Assembly is done.



Prepare Slicing Software

This printer works with most slicing / printing software like Repe-tier-Host, Cura, Simplify3D, etc. But we will go in details for Repe-tier-Host and tell you how to set it up so that you can make your first from our website at <http://www.tevo.cn/software-download.php> After installation in done and you start the software, you should get the following screen:



Now we have to set up our printer in the settings so that Repe-tier-Host can connect to it and will know what size of the build area our printer use. Open the Printer Settings window (click Config Printer Settings).

First set port to whatever port your printer use (you have to connect the printer to your computer before this step, or you can skip Port setting if you are going to print SD card only.) Set Baud Rate to 250000 and DO NOT touch any other settings in this tab.

Prepare Slicing Software

Printer Settings

Printer: **Tarantula RS**

Connection | Printer | Extruder | Printer Shape | Scripts | Advanced

Connector: **Serial Connection**

Port: **Auto**

Baud Rate: **250000**

Transfer Protocol: **Autodetect**

Reset on Emergency: **Send emergency command and reconnect**

Receive Cache Size: **127**

Communication Timeout: **40** [s]

Use Ping-Pong Communication (Send only after ok)

The printer settings always correspond to the selected printer at the top. They are stored with every OK or apply. To create a new printer, just enter a new printer name and press apply. The new printer starts with the last settings selected.

Click on Printer Shape tab, change the following values:

- X Max - 240
- Y Max - 240
- Print Area Width - 235
- Print Area Depth - 235
- Print Area Height - 250

Prepare Slicing Software

Printer Settings

Printer: Tarantula RS

Connection Printer Extruder **Printer Shape** Scripts Advanced

Printer Type: Classic Printer

Home X: 0 Home Y: 0 Home Z: 0

X Min: 0 X Max: 235 Bed Left: 0

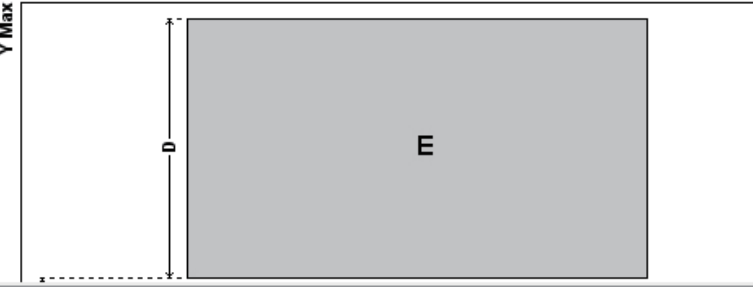
Y Min: 0 Y Max: 235 Bed Front: 0

Print Area Width: 235 mm

Print Area Depth: 235 mm

Print Area Height: 250 mm

The min and max values define the possible range of extruder coordinates. These coordinates can be negative and outside the print bed. Bed left/front define the coordinates where the printbed itself starts. By changing the min/max values you can even move the origin in the center of the print bed, if supported by firmware.



OK Apply Cancel

Go to Printer tab, change the following values:
Travel Feed Rate - 15000
Z-A xis Feed Rate - 15000
Manual Extrusion Speed - 2 / 20
Manual Retraction Speed - 30
Default Extruder Temperature - 200
Default Heated Bed Temperature - 55
Then click on OK to save the settings.

Prepare Slicing Software

Printer Settings

Printer: Tarantula RS

Connection **Printer** Extruder Printer Shape Scripts Advanced

Firmware Type: Autodetect

Travel Feed Rate: 15000 [mm/min]

Z-Axis Feed Rate: 3000 [mm/min]

Manual Extrusion Speed: 2 20 [mm/s]

Manual Retraction Speed: 30 [mm/s]

Default Extruder Temperature: 200 °C

Default Heated Bed Temperature: 50 °C

Check Extruder & Bed Temperature
 Remove temperature requests from Log

Check every 3 seconds.

Park Position: X: 0 Y: 0 Z min: 0 [mm]

Send ETA to printer display Go to Park Position after Job/Kill
 Disable Extruder after Job/Kill Disable Heated Bed after Job/Kill
 Disable Motors after Job/Kill Printer has SD card

Add to comp. Printing Time 8 [%]

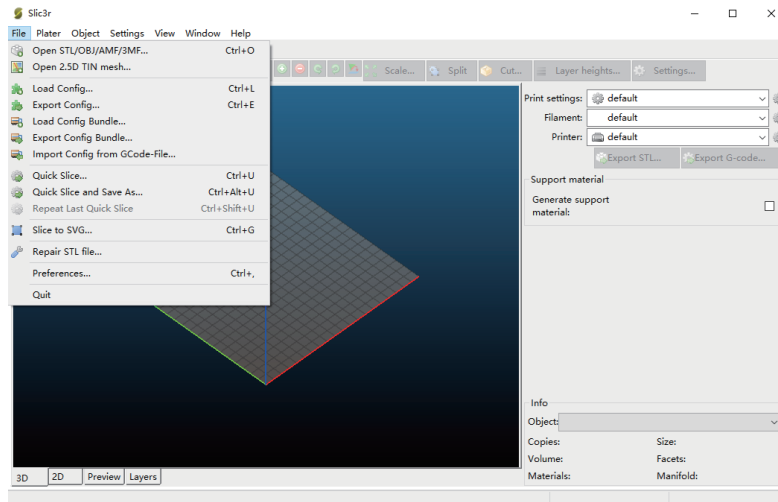
Invert Direction in Controls for X-Axis Y-Axis Z-Axis Flip X and Y

OK Apply Cancel

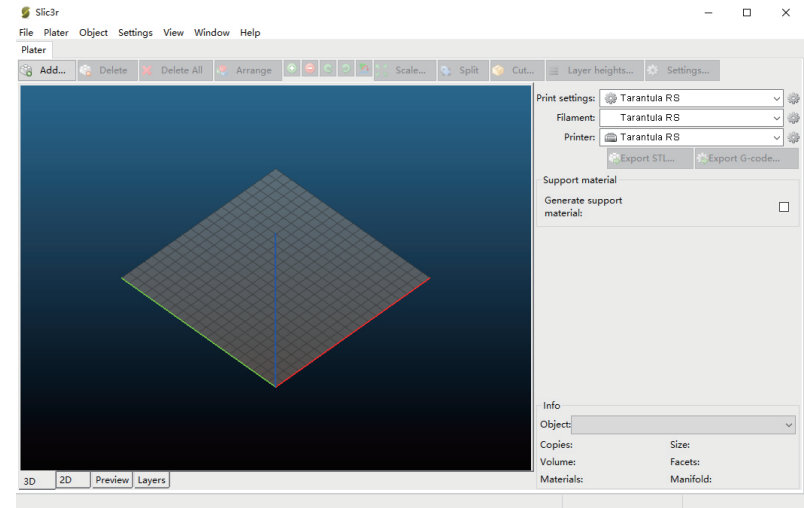
On Repetier-Host main screen, click on Slicer tab on the right. Choose **Slic3r** from **Slicer** drop-down then click on **Configuration** button.
On Slic3r window, click on **File** -> **Load**

Prepare Slicing Software

Prepare Slicing Software

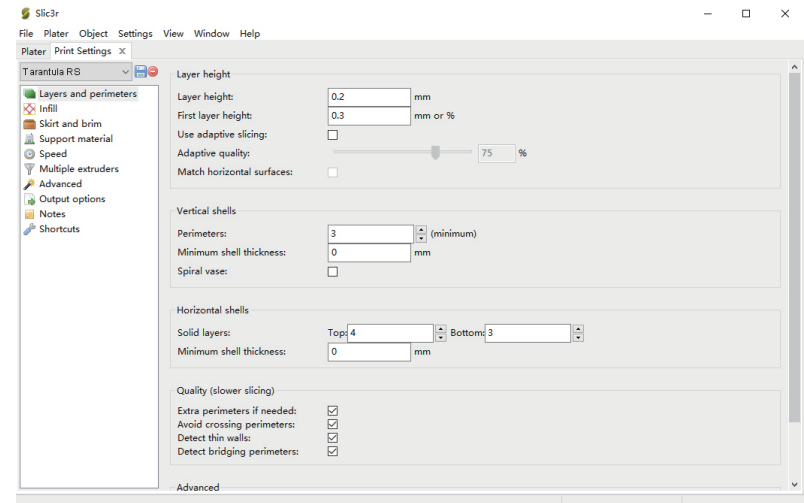
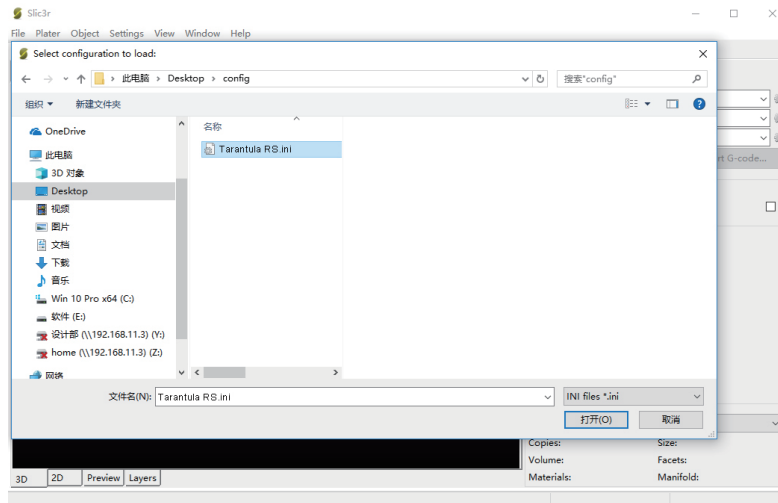


Click on the Gear icon next to Print settings, Filament, Printer respectively.



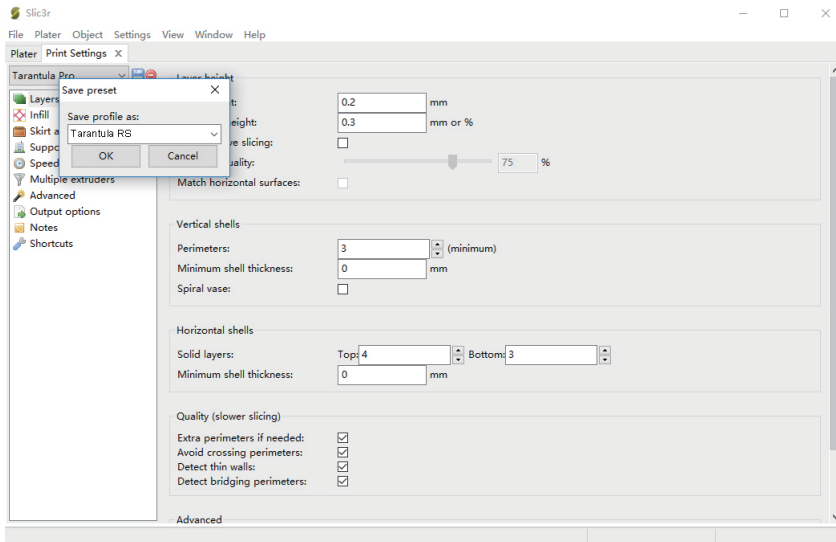
Browse to the SD card or the location you saved the config file. (You can download the latest version of the config file from <http://www.tevo.cn/software-download.php>) Select the ini file and click on Open.

Click on the Save icon on the next page, rename it to tevo-Tarantula RS or any name of your choice.



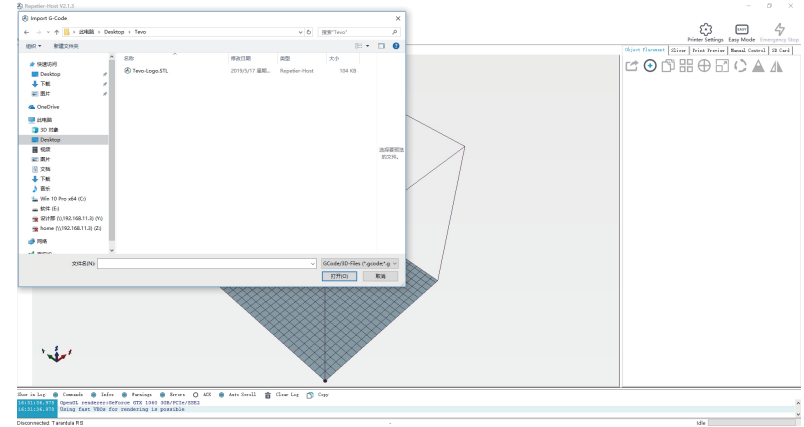
Prepare Slicing Software

Click on Plater tab to go back to the main screen and do the same for others.

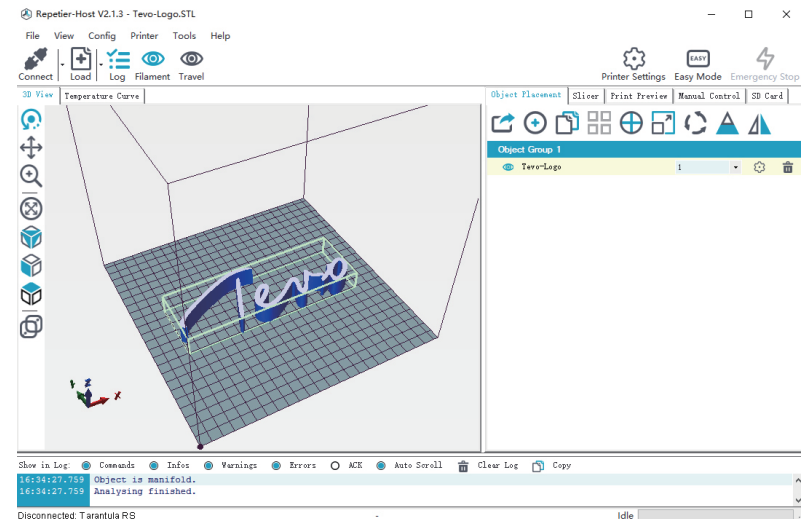


How to Slice 3D Object for SD Print

Click on Load, browse to location of the file to print, then choose Open. (Or you can drop and drop the STL file to Repetier-Host software.)

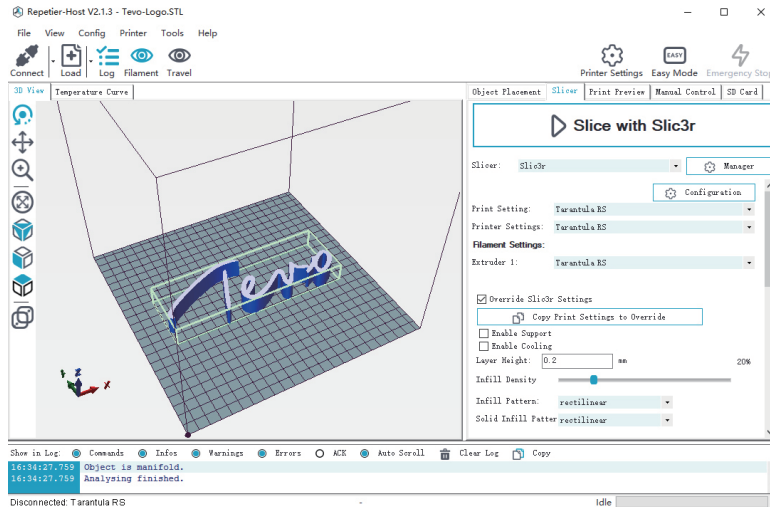


Click on Slicer tab on the right.

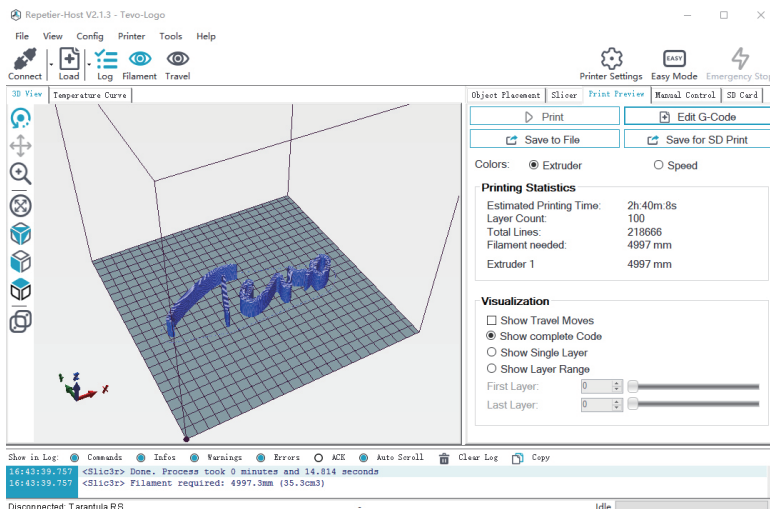


How to Slice 3D Object for SD Print

Choose the config saved in previous step. Then click on **Slice with Slic3r**.



After slicing, click on Save for SD Print to save the G-code file to the SD card with file name of your choice. Then you can insert the card to your printer and choose Print from SD to start printing.



How to Flash Firmware

To install firmware on your printer, you'll need to download the

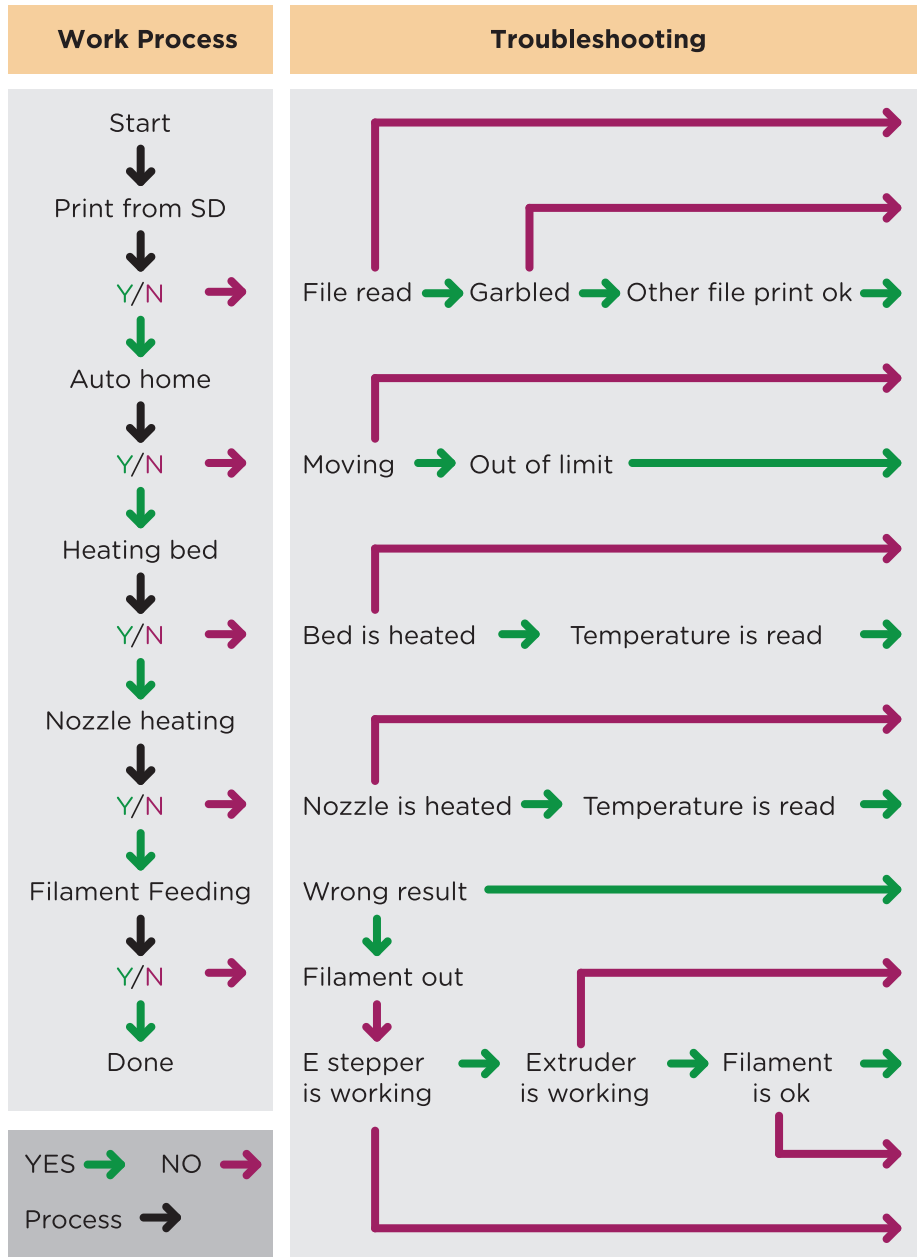
1. Arduino IDE (<http://www.arduino.cc>)
2. Firmware Source Code (You can get it from many sources, e.g. our Facebook Page Files section, our Customer Service, Software Download page on <http://www.tevo.cn>, or from

In this chapter, we're going to use Marlin for demonstration. Configuration downloaded from our Facebook page, customer service, or software download page are pre-configured, you can use it without any modification. We're not going to go into details how to configure from scratch.

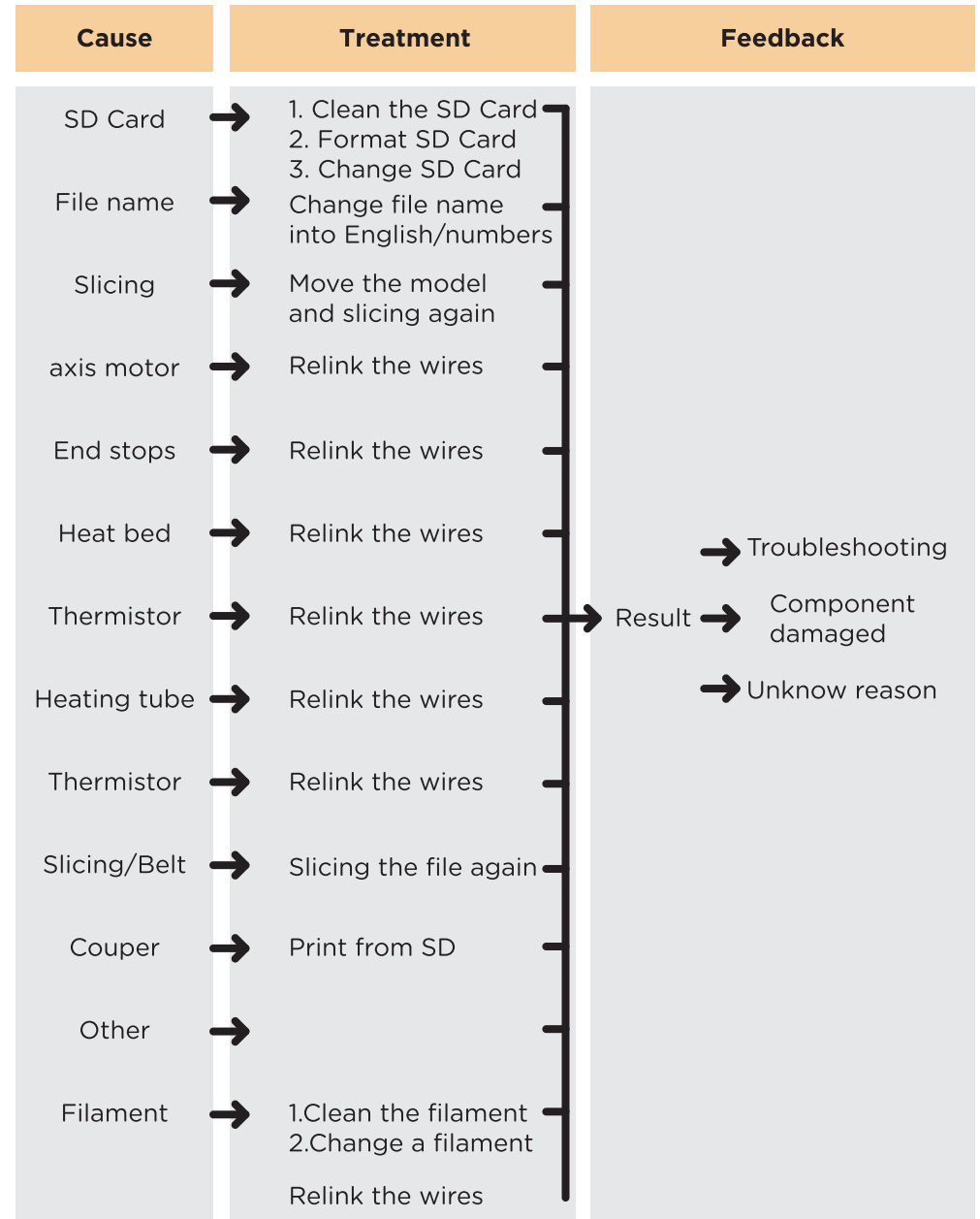
To start the process, do the following steps:

1. Connect your printer to your computer with USB cable supplied.
2. Double-click **Flash.ino** (or **Marlin.ino**) file to open it in Arduino IDE.
3. Select **Arduino/Genuino Mega or Mega 2560** from **Tools** -> **Board** menu.
4. Select the serial (USB) port that your board is connected to in **Tools** -> **Serial Port** menu.
5. Click on **Verify/Compile** button at the top of the window to make sure there are no configuration errors. (If failed to compile, please make sure you are using Arduino IDE 1.8.5 or up.)
6. After it compile successfully, click on **Upload** button.
7. Waiting for Arduino IDE to show Done uploading.

Troubleshooting



Troubleshooting



SERVICE INFORMATION

1. REPLACEMENT PARTS

- 1.1. Tevo products are covered under a Replacement Part Program for a period of **12 months** from the date of delivery.
- 1.2. Missing/Damaged/Defective Parts.
 - 1.2.1. **Within 7 days** of the delivery date, Tevo will replace any parts free of charge including shipping fees.
 - 1.2.2. **After 7 days** of the delivery date, Tevo will replace any parts free of charge BUT the customer will be responsible for shipping fees.
- 1.3. Customer Damaged Parts.
 - 1.3.1. The customer shall pay for the cost of the parts AND the shipping fees.

2. CARRIER LOSS, MISSING, DAMAGED, AND DEFECTIVE PARTS

- 2.1. Claims for lost or damaged shipments must be reported to the carrier within the carrier's claim window, the customer needs to inform Tevo within **7 days** of the delivery date.
 - 2.1.1. For any parts lost or damaged during shipping, the customer shall take photos or video and submit them when filling out a Service Ticket. If a claim number was issued by the carrier, please include the claim number when creating your Service Ticket (**Report a Problem / Carrier Lost Parts.**)
 - 2.1.2. Once the Carrier dispute is resolved, please provide Tevo with all communications with the carrier. It is the customer's responsibility to keep Tevo up-to-date with ALL communications with the carrier.
 - 2.1.3. Tevo will work with the customer on replacing the parts in the claim.

- 2.2. For Missing Parts, refer to section 1.2, the customer shall fill out a Service Ticket (**Report a Problem / Missing Parts.**)
- 2.3. For Damaged Hardware Parts, refer to section 1.2, the customer shall take photos or video and submit them when filling out a Service Ticket (**Report a Problem / Damaged Hardware Parts.**)
- 2.4. For Defective Electronic Parts, refer to section 1.2, the customer shall take photos or video and submit them when filling out a Service Ticket (**Report a Problem / Defective Electronic Parts.**)
 - 2.4.1. If the part is the LCD panel, Power Supply, or Mainboard, the customer shall ship the part back to Tevo and Tevo will send a new part.
- 2.5. For parts damaged by the customer, refer to section 1.3, the customer shall submit a Service Ticket (**Report a Problem / Customer Damaged Parts.**)

2. GENERAL SUPPORT

For information and support on building and operating your TEVO Tarantula RS 3D printer, please visit :

TEVO Tarantula RS & Normal Prusa i3 Owners

<https://www.facebook.com/groups/TEVO.3dprinter.owners/>