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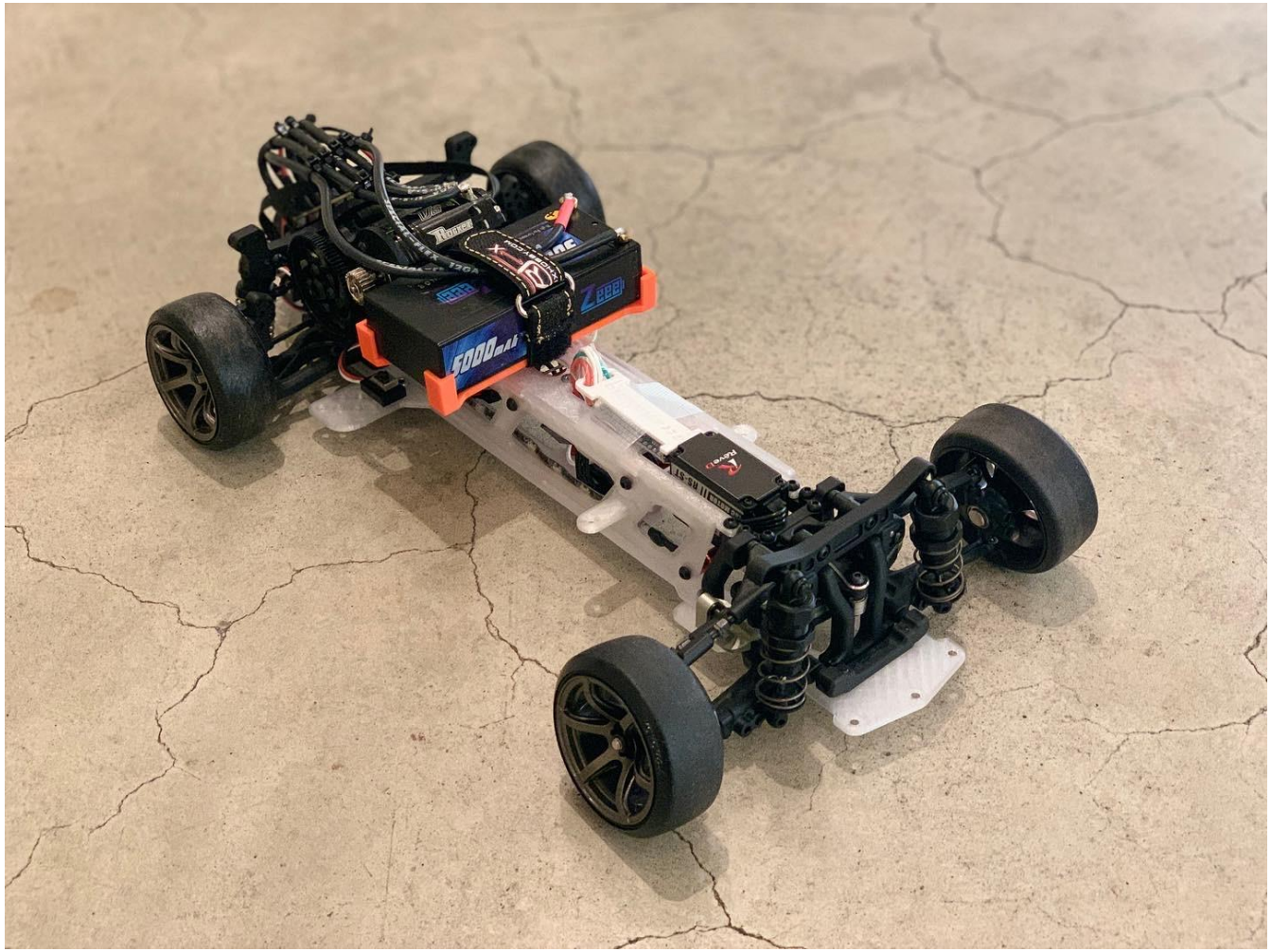
Yokomo YD2Z conversion chassis kit



Introduction

The track conditions on the RC Drift Circuit have been very good recently.
In such road conditions, a plastic chassis conversion kit like this is an alternative to a carbon chassis. This kit is very flexible and properly rigid, allowing for maximum tire grip.

We recommend PETG material. Highly recommend to use colerfabb HT .

3Dprint chassis conversion kit for Yokomo YD2-z or Yokomo YD2SX3
This kit is a 3Dprint conversion kit for Yokomo YD2z or YD2SX3.

If you use withYD2z basic kit , you need Yokomo`s Genuine optional parts.

- The light weight slide rack sets for YD-2Z (item No Y2-202SZ) (recommended)

If you use with YD2 SX3kit, you need Yokomo`s Genuine optional parts.

- YD2zTransmissioncase (Item No Y2-302Z), Motor mount (ItemNoY2-304Z), transmission case(ItemNoY2-302Z) etc.

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Parts list

PartsNo	PartsName	Quantity	layerhight	OuterPerimeter	infillrate	infilltype	support
1	Centerframe	1	0.15	4	15%	gyroid	No
2	Frontframe	1	0.15	4	15%	gyroid	No
3	Rearframe	1	0.15	4	15%	gyroid	No
4	Servoholder	1	0.15	4	15%	gyroid	No
5	Sideframe	2	0.15	4	15%	gyroid	No
6	Upperdeck	1	0.15	4	15%	gyroid	No
7	ESCBase	1	0.15	4	15%	gyroid	No
8	ESCplate	1	0.15	4	15%	gyroid	No
9	Servoclip	1	0.15	4	15%	gyroid	No
10	Batteryplatebase	1	0.15	4	15%	gyroid	No
11	batterytray	1	0.15	4	15%	gyroid	No
12	Battery fixknob	2	0.15	4	15%	gyroid	only build plate
13	M3*2mmSpacer	3	0.15	3	25%	gyroid	brim
14	M3*9mmSpacer	2	0.15	3	25%	gyroid	brim
15	Standoff 30mm	3	0.15	3	25%	gyroid	no
16	Standoff 35mm	4	0.15	3	25%	gyroid	no
17	M3 pressfitnut	4	0.15	3	25%	gyroid	no

Nozzle 0.4mm

Recommended filament

https://colorfabb.com/filaments/materials/co-polyester-filaments/colorfabb-ht

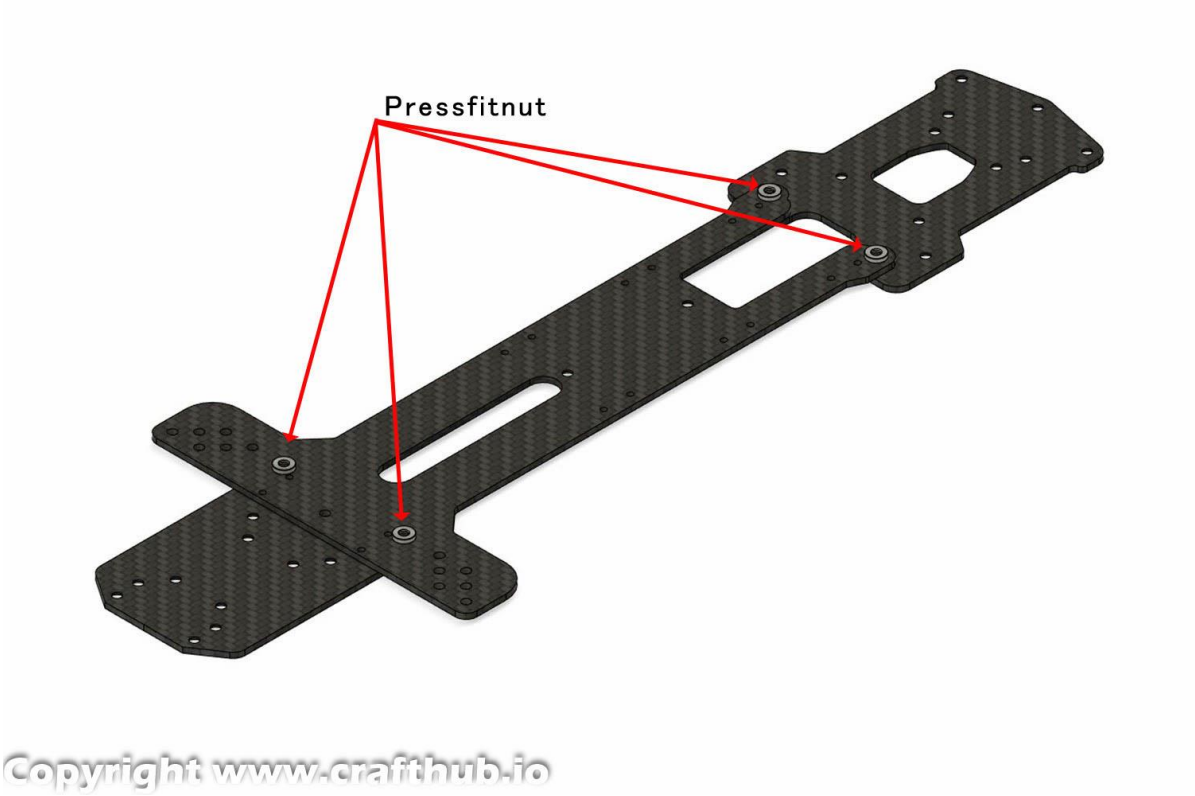
Chassis build

you use 3Dprinted frame parts only, you can also ride without any problem.

If you can get M3pressfit nut, please use it .otherwise you should use M3pressfitnut.stl

Caution : This manual`s image is shared with the carbon frame manual.

Chassis build



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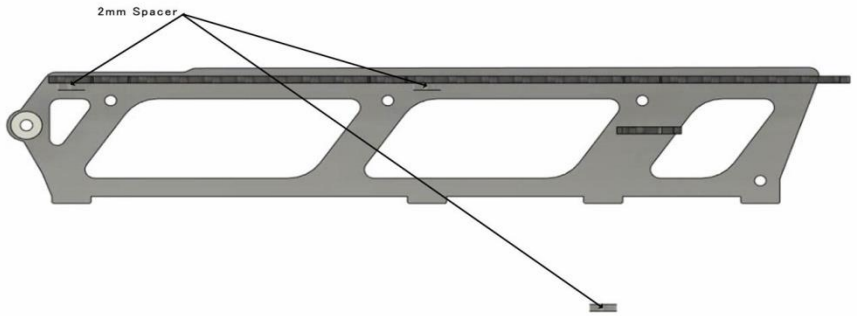

Place a 2 mm spacer between the upper deck and the 30 mm stand off.

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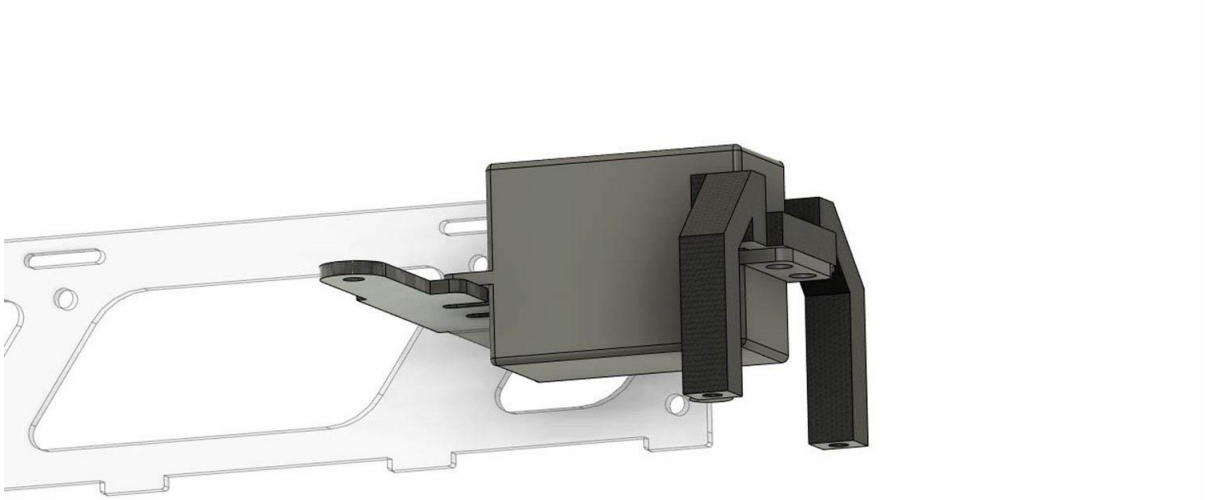
Chassis build



Please check the servo mount tab position.

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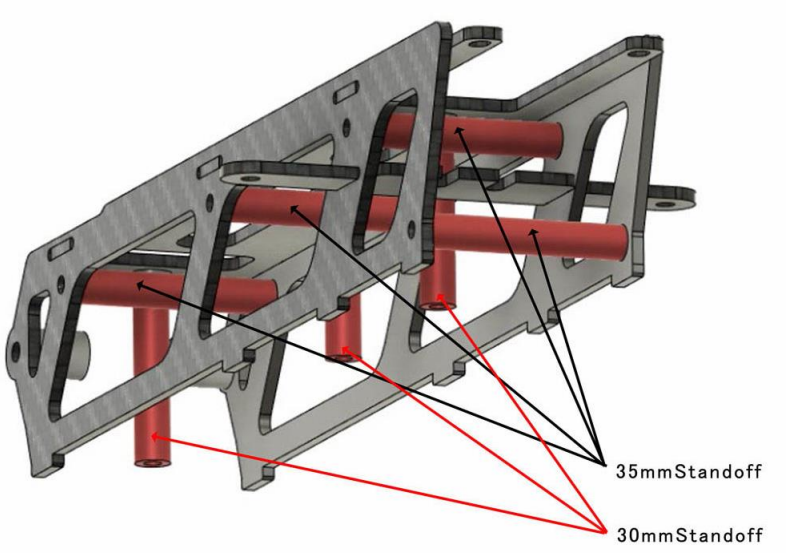
Chassis build



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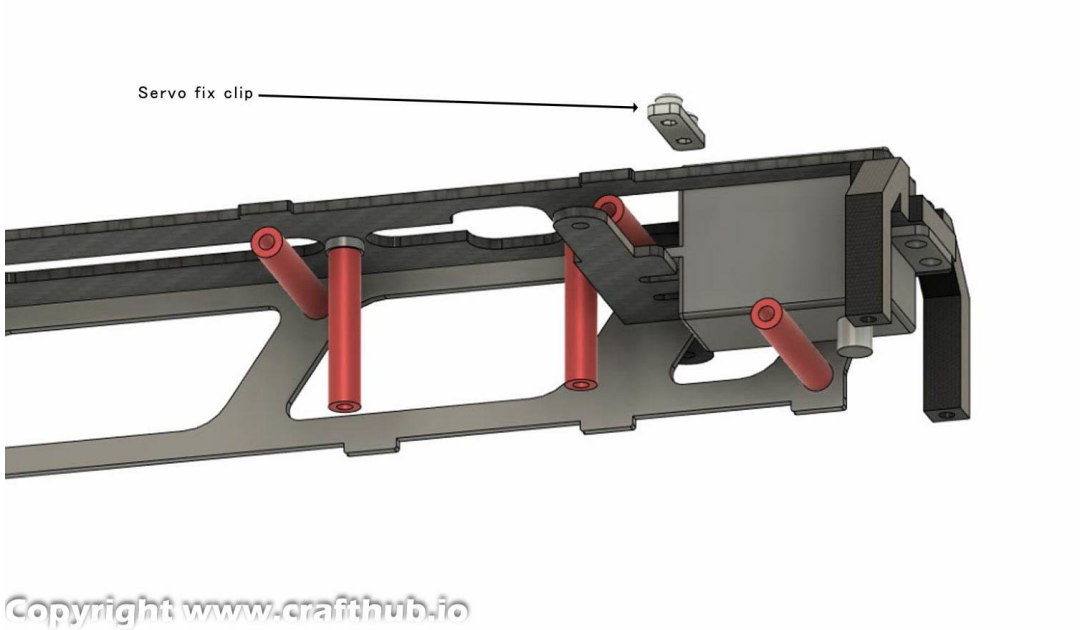
Chassis build



-Install steering servo on upper deck in the same orientation as the original chassis.
Install the receiver and gyro on the bottom deck with double sided tape
(you can install the receiver and gyro on the top deck, but it will limit your placement options of the battery tray).

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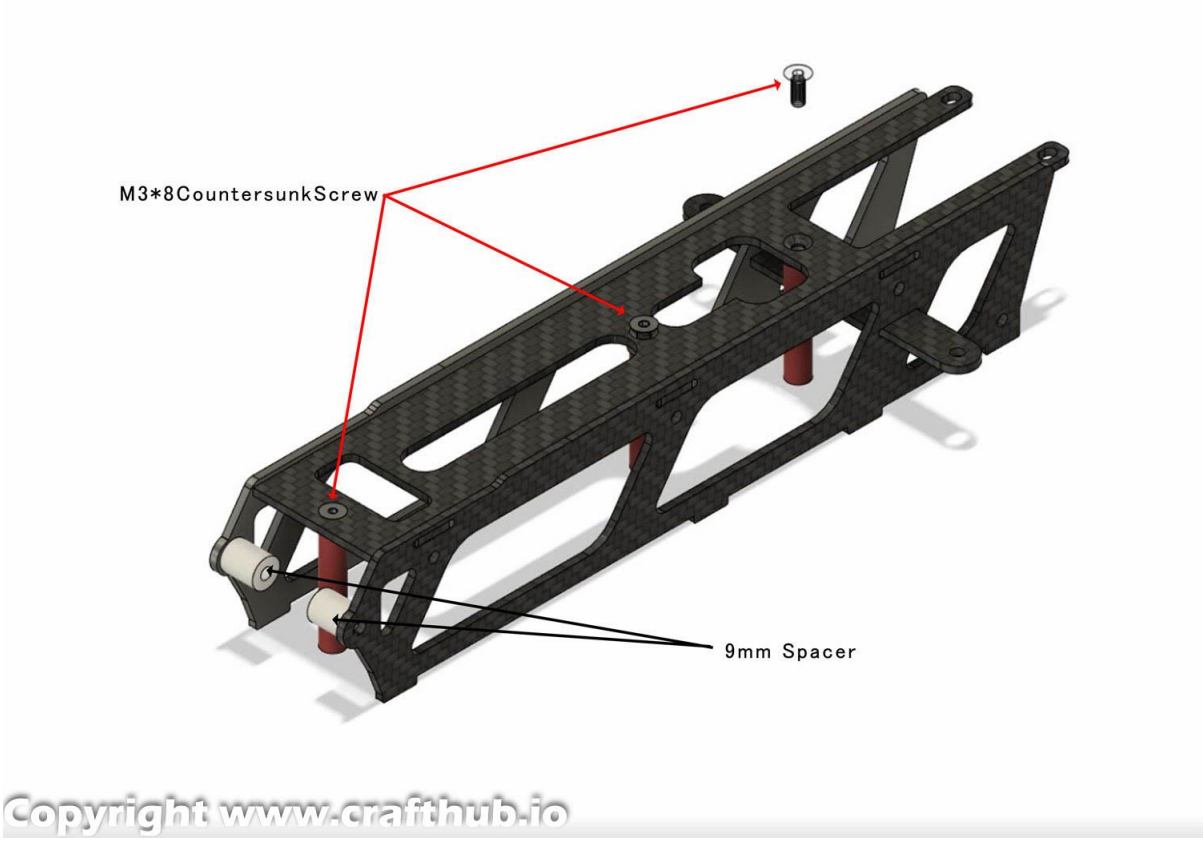
Chassis build



-Connect assembled upper deck and side frame to the bottom deck with 6x 3*8 flat head screws (make sure your gyro and receiver are installed to bottom deck before).

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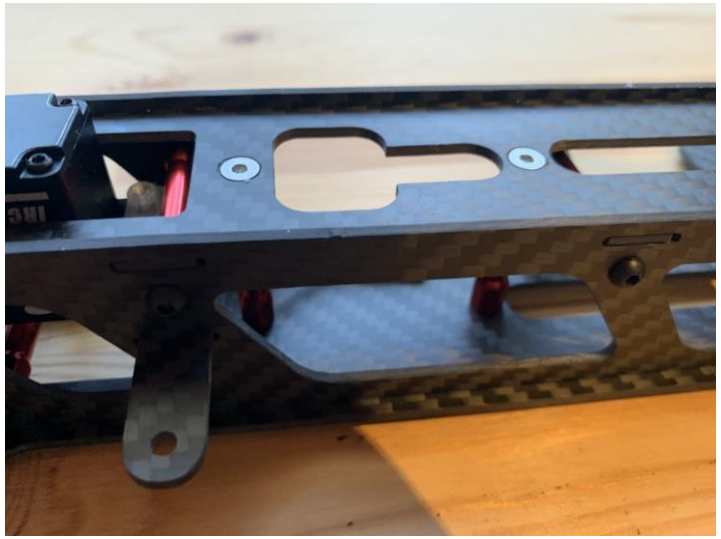
Chassis build



Use the service hole to adjust a Gyro

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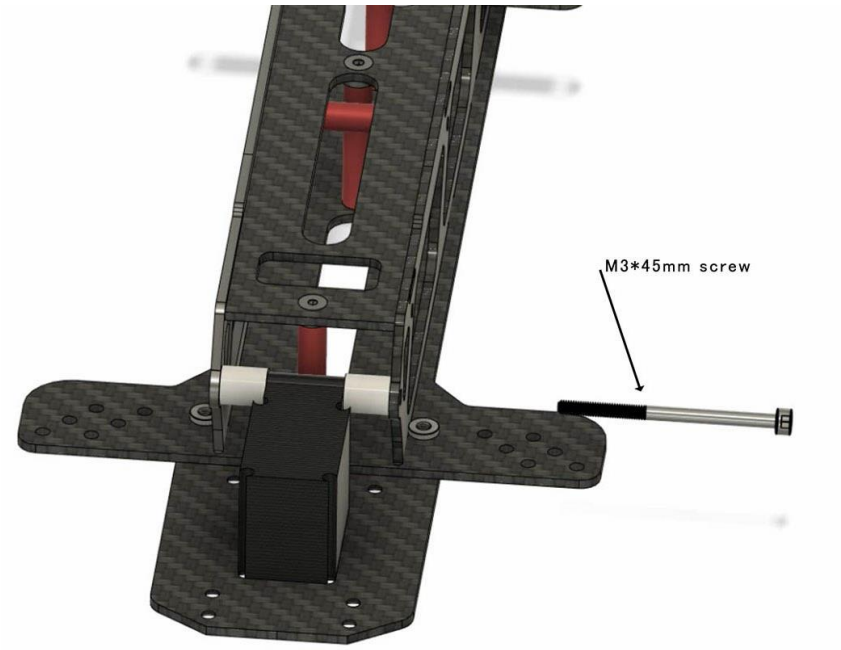
Chassis build



After connecting the upper and bottom deck slightly loosen all the screws and check that the body doesn’t have any distortion or misalignments, then tighten again.

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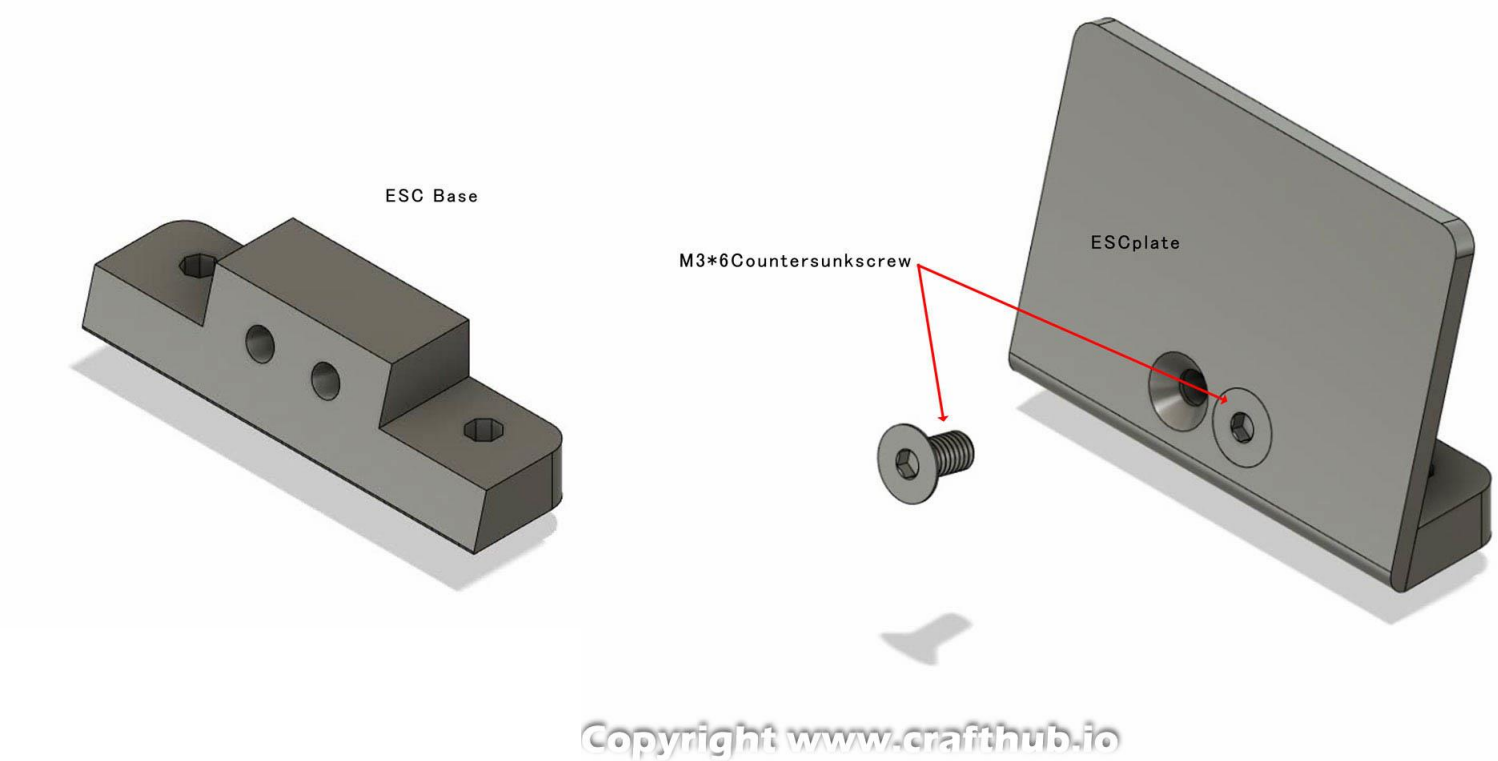
Chassis build



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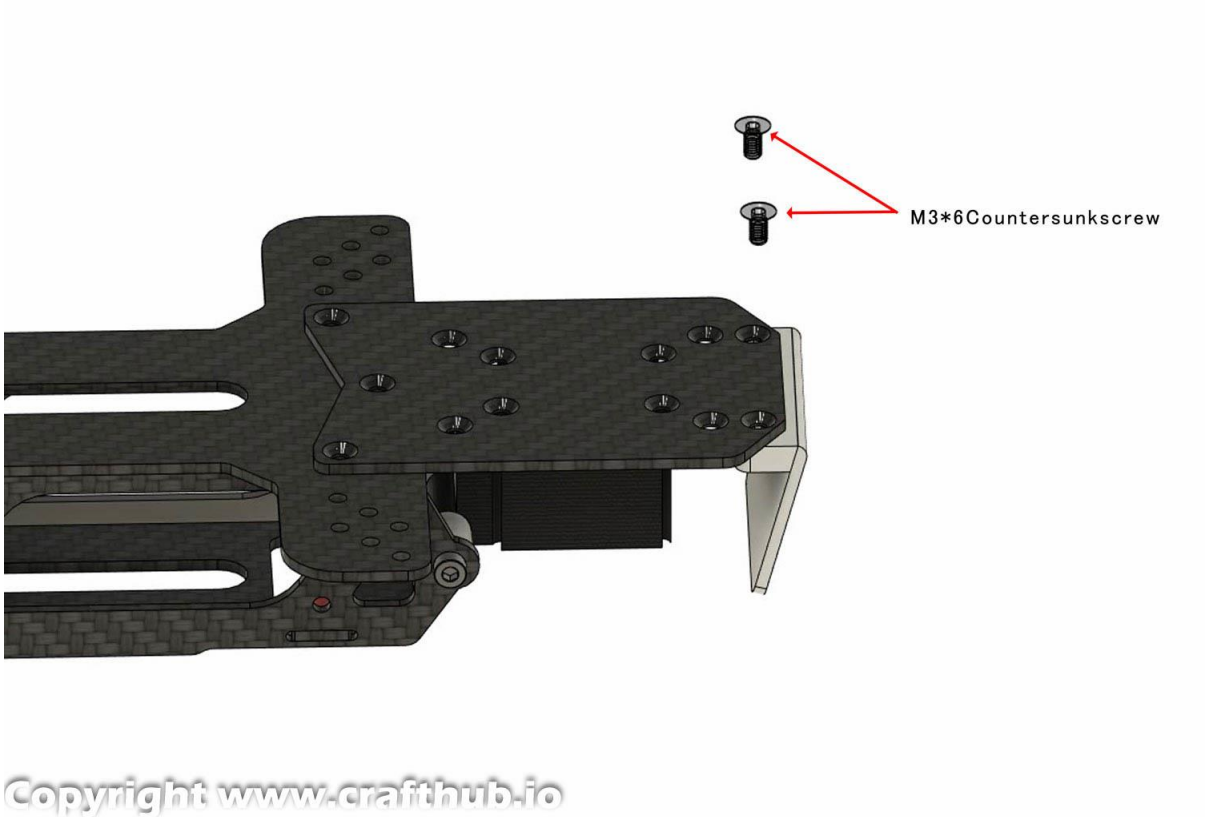

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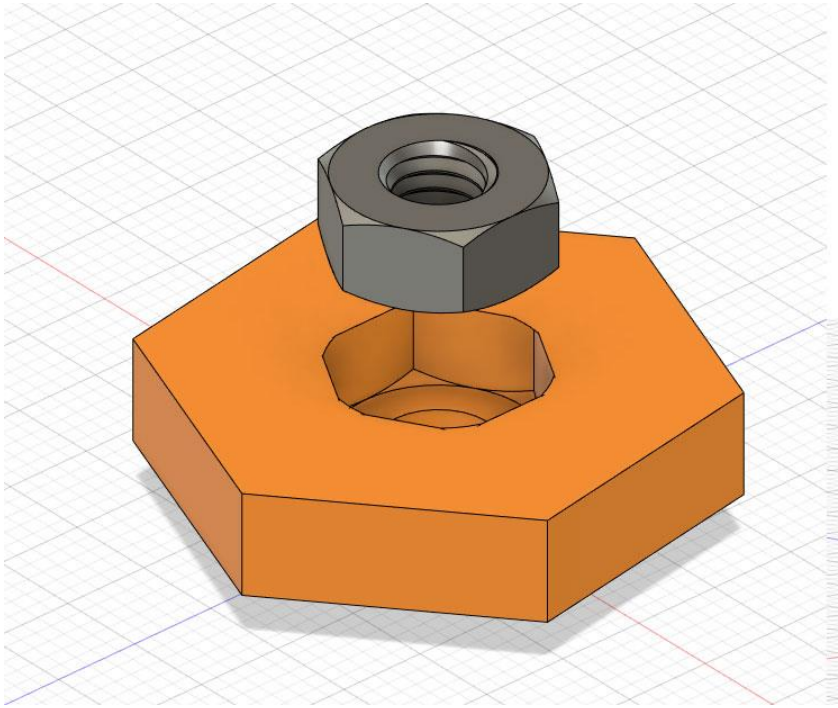
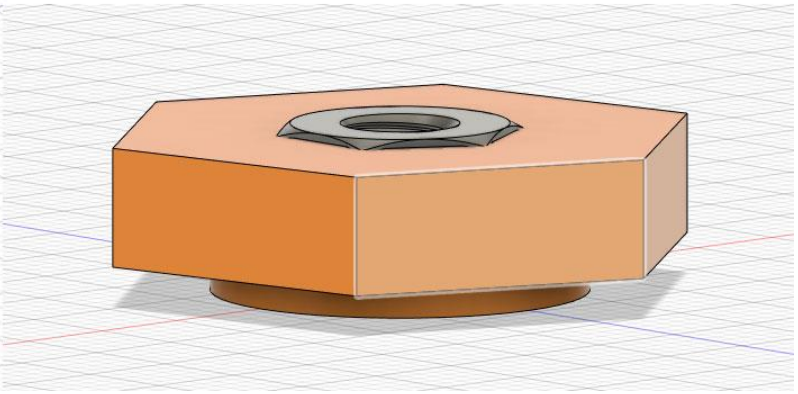


M3 Nut



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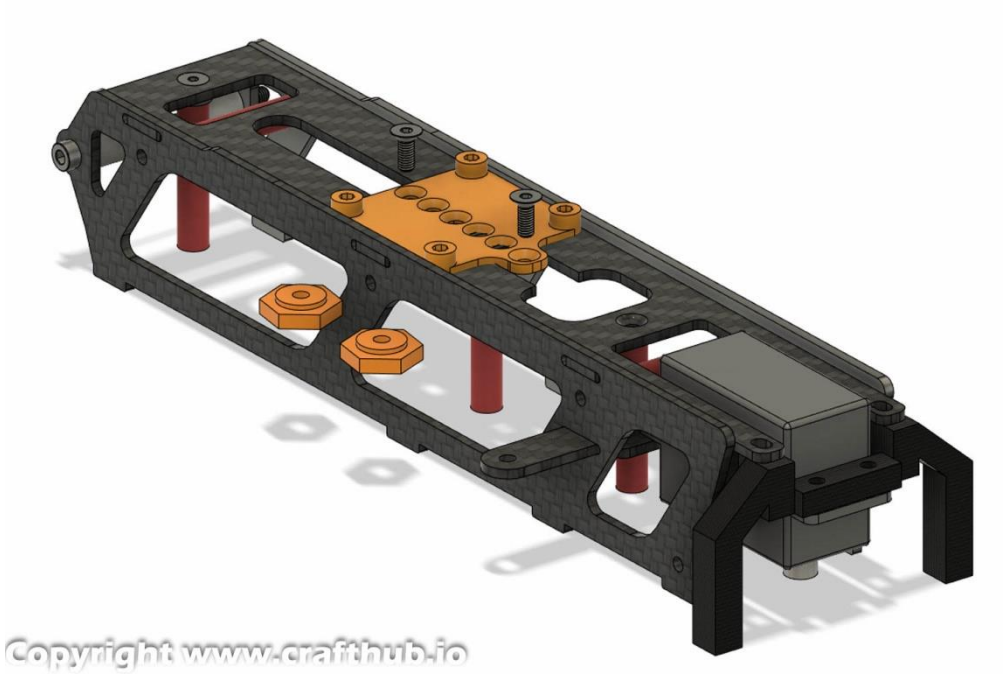
Chassis build



Adjust the battery mount place where you want

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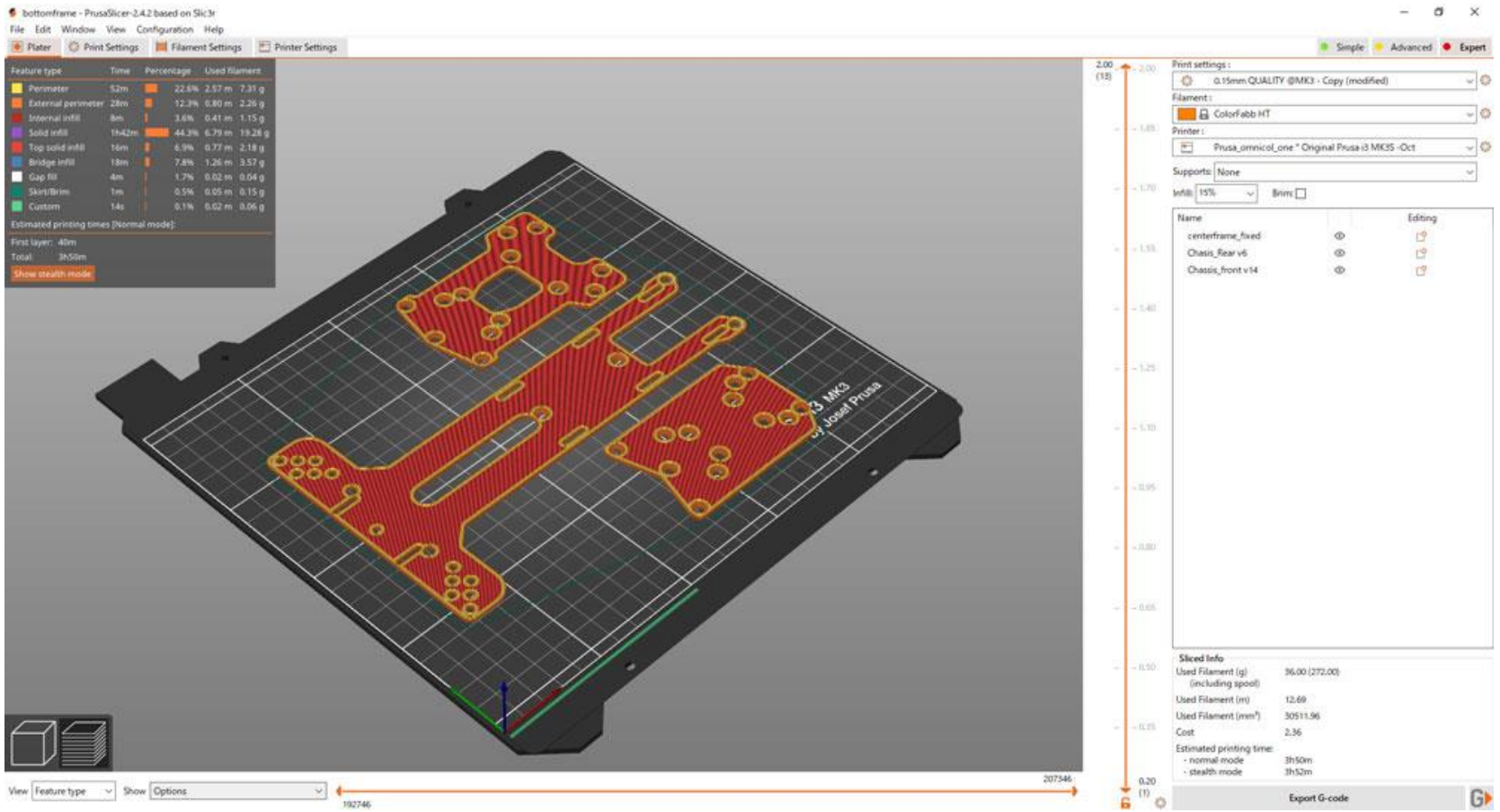
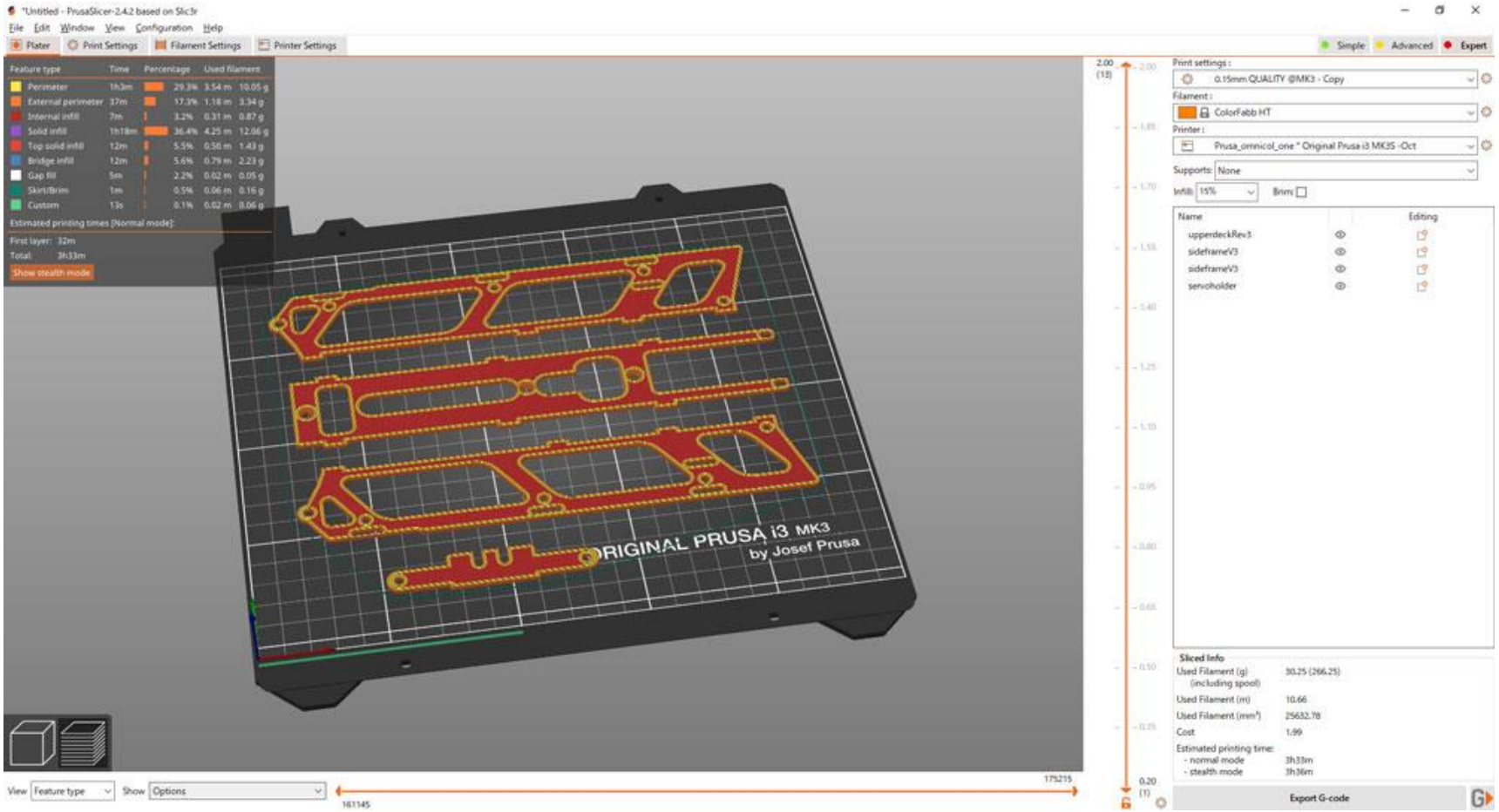
Slice sample



Slice sample



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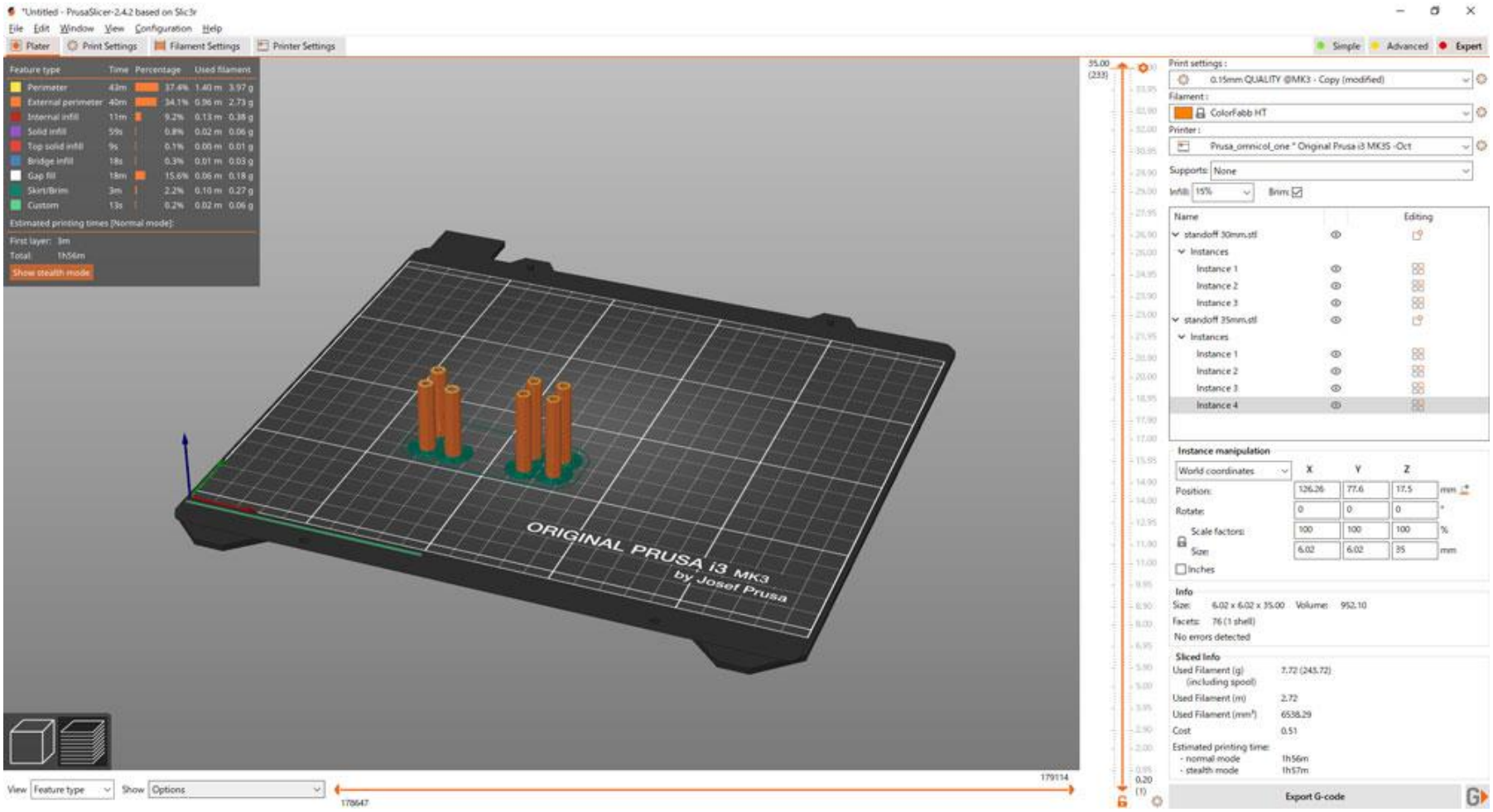

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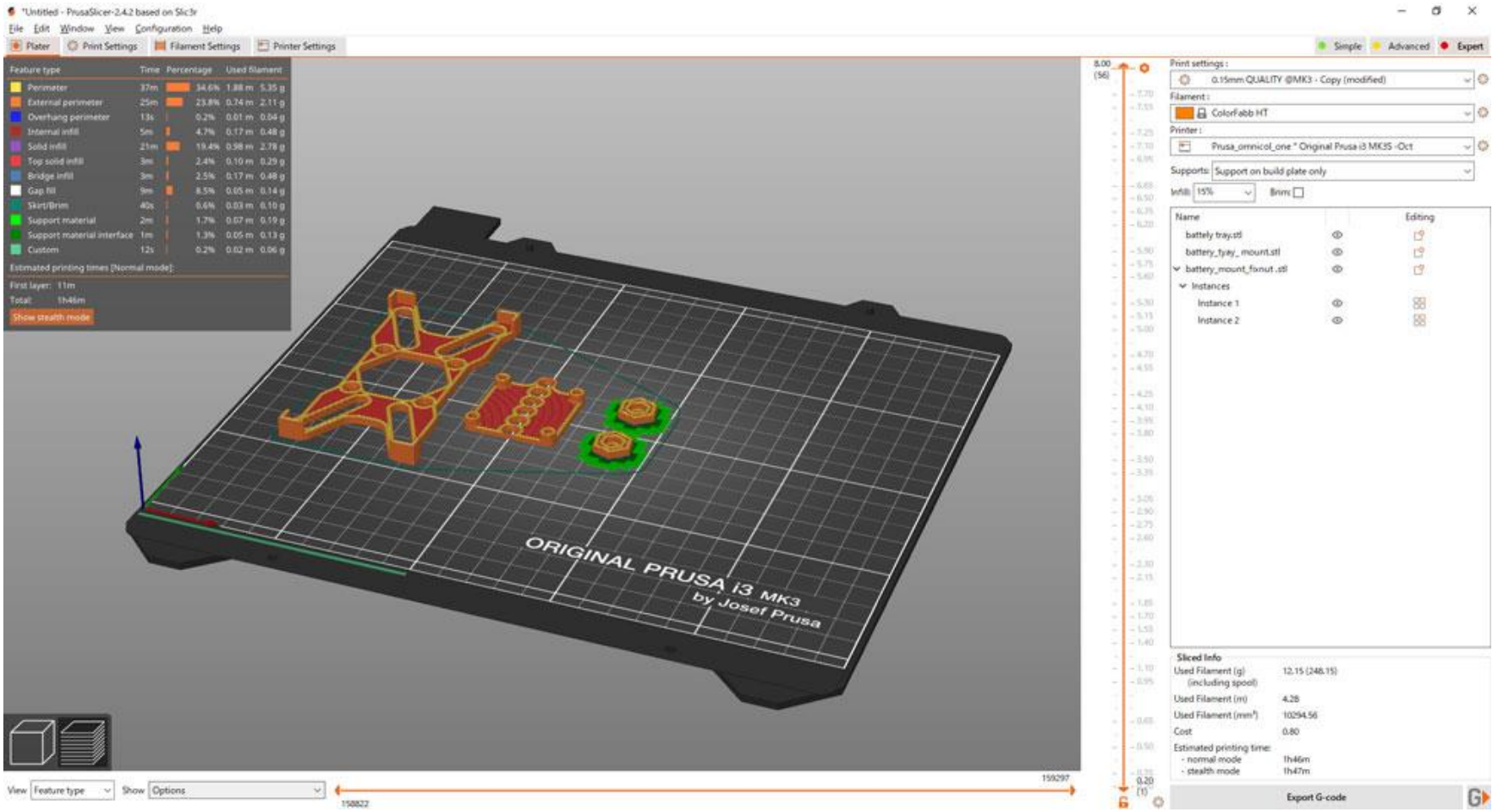

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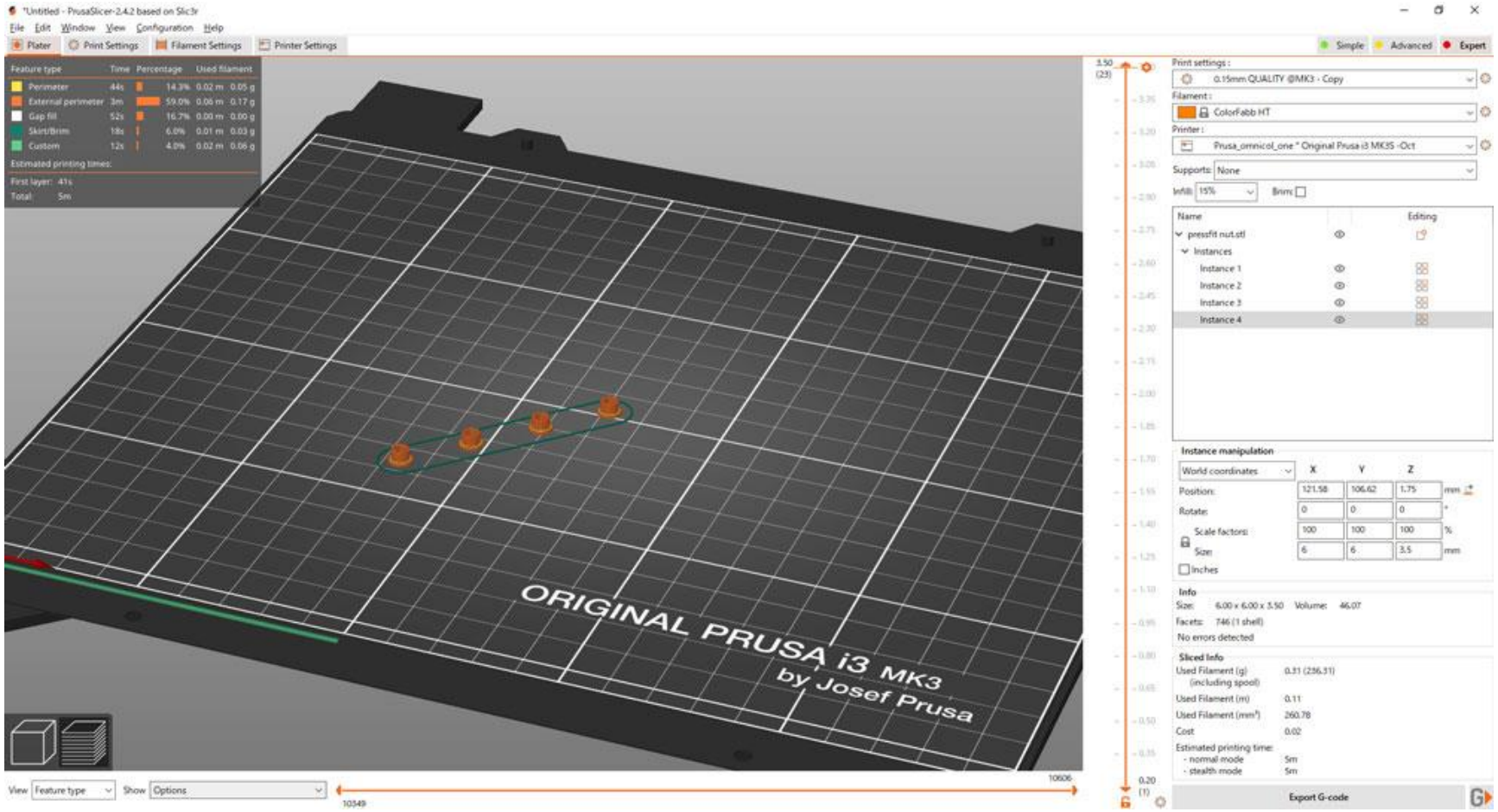

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Do not use this file for commercial purpose without any permission.
This model is designed to make FDM 3Dprinter, the parts have some additive markings, however, no problem for those parts function.
We use/recommend ColorfabbHT firmament
https://colorfabb.com/colorfabb-ht-tritan
If you have any question, please contact is via a form.
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Special thanks to Earl Alexander Seung Snyder