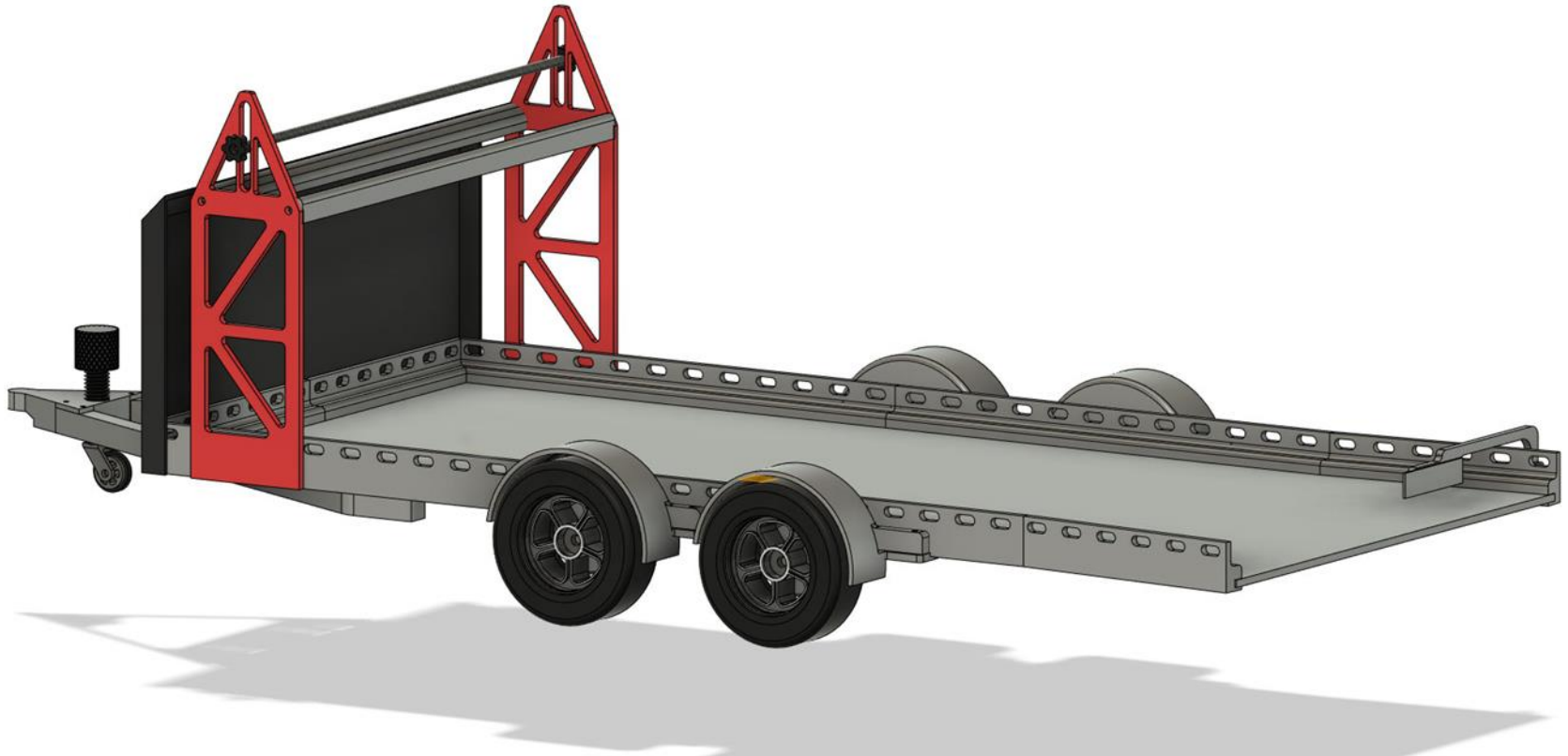


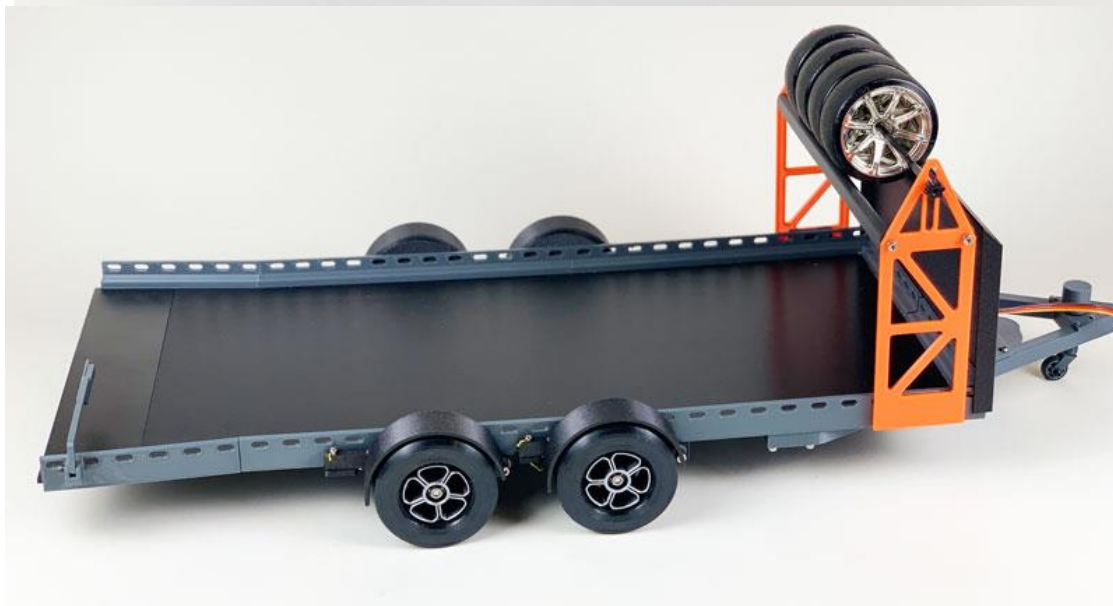
1/10 Lowering Trailer



For all 1/10 scale Drift cars and 1/10 4wd crawlers for towing.
Even a very low downed drift car ,you can carry on without any slopes.

STL data Realistic full functional model.







CRAFTHUB.IO



CRAFTHUB.IO



Design and spec

- Easy to assemble
- Optimized for 1/10scale RC Drift car. Ex Yokomo,Sakura, MST,etc.
- FDM printer with 0.4φOrifice nozzle.
- PLA or PETG can be use, however summer season at outdoor use,I recommend to use PETG
- TPU for tires



Parts for print out with PLA or PETG

PartsNo	PartsName	Quantity	layerheight	OuterPerimeter	infillrate	infilltype	support
1	01axisL.stl	1	0.15	3	20%	gyroid	Brim
2	02axisR.stl	1	0.15	3	20%	gyroid	Brim
3	03frame_mid_R.stl	1	0.15	3	20%	gyroid	no
4	04frame_frontR.stl	1	0.15	3	20%	gyroid	no
5	05frame_top_R.stl	1	0.15	3	20%	gyroid	no
6	06frame_rear_R.stl	1	0.15	3	20%	gyroid	no
7	07frame_mid_L.stl	1	0.15	3	20%	gyroid	no
8	08ftame_front_L.stl	1	0.15	3	20%	gyroid	no
9	09frame_top_L.stl	1	0.15	3	20%	gyroid	no
10	10frame_rear_L.stl	1	0.15	3	20%	gyroid	no
11	11subframe_R.stl	1	0.15	3	20%	gyroid	no
12	12subframe_L.stl	1	0.15	3	20%	gyroid	no
13	13couplercore.stl	1	0.15	3	20%	gyroid	no
14	14Axis_Front_L.stl	1	0.15	3	20%	gyroid	Buildplate only
15	15Axis_front_R.stl	1	0.15	3	20%	gyroid	Buildplate only
16	16Axis_Rear_L.stl	1	0.15	3	20%	gyroid	Buildplate only
17	17Axis_Rear_R.stl	1	0.15	3	20%	gyroid	Buildplate only
18	18casterfork.stl	1	0.15	3	20%	gyroid	Brim
19	19casterwheel.stl	1	0.15	3	20%	gyroid	no
20	20adjusterscrew.stl	1	0.15	3	20%	gyroid	Brim
21	21mainwheel.stl	4	0.15	3	20%	gyroid	Buildplate only
22	22wheelface.stl	4	0.15	3	20%	gyroid	no
23	23servomount.stl	1	0.15	3	20%	gyroid	no
24	24servolock.stl	2	0.15	3	20%	gyroid	no
25	25frontcanopy.stl	1	0.15	3	20%	gyroid	no
26	26tirerack.stl	2	0.15	3	20%	gyroid	no
27	27tirerackstay.stl	2	0.15	3	20%	gyroid	no
28	28servohorn.stl	1	0.15	3	20%	gyroid	no
29	29licenseplate_base.stl	1	0.15	3	20%	gyroid	no
30	30licenseplatearm.stl	1	0.15	3	20%	gyroid	no
31	31licenseplate.stl	1	0.15	3	20%	gyroid	no
32	32washer42.stl	8	0.15	3	20%	gyroid	no
33	33tensionbar.stl	1	0.15	3	20%	gyroid	no
34	34wirecoupler.stl	1	0.15	5	20%	gyroid	no

Parts for print out TPU

PartsNo	PartsName	Quantity	layerhight	OuterPerimeter	infillrate	infilltype	support
34	TPU01castertire.stl	1	0.2	3	5%	Rectiliner	no
35	TPU02maintire.stl	4	0.2	3	5%	Rectiliner	no
36	TPU03tireholderlock.stl	2	0.15	3	20%	gyroid	no

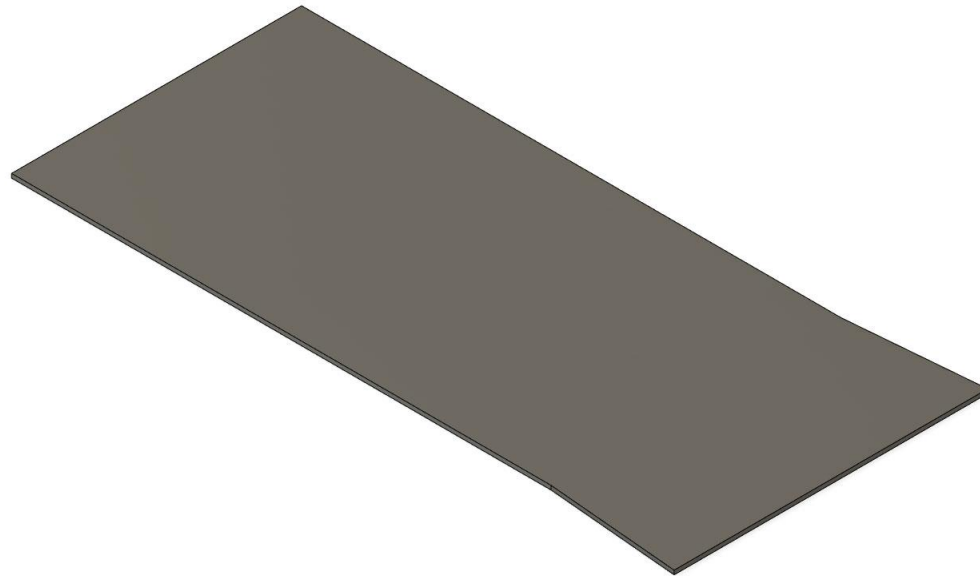
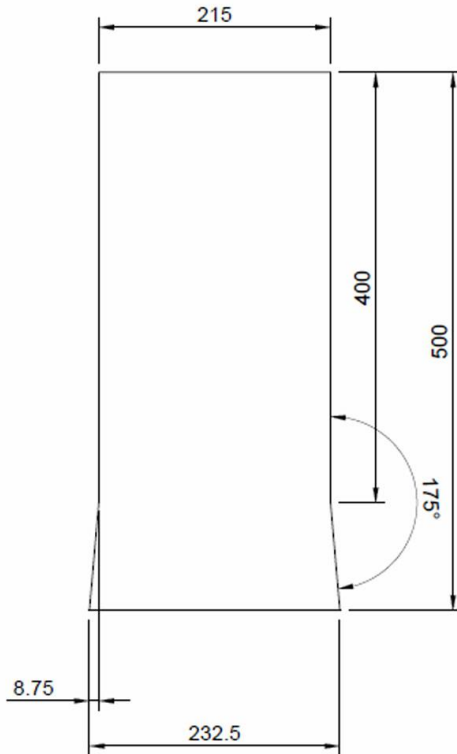
Parts list without this kit

PVC plate 3mm thickness 300*450mm	1	amazon
Ballbaring 4mm*11mm*4mm	8	amazon
M4*20 hexscrew	4	amazon
M3*25hexscrew	3	amazon
M4nylonlocknuts	4	amazon
M2.5*10	18	amazon
M2.5*16	8	amazon
HightorqueServo	1	amazon
Carbonpipe 4mm	1	amazon
M3*12	4	amazon
M3*6	7	amazon
M3*14	4	amazon
3M doublesideTape	1	amazon
hangingwire0.8mm	1	amazon

In this PDF manual, hyperlink is unable, Please check readme.txt or get from my google drive.

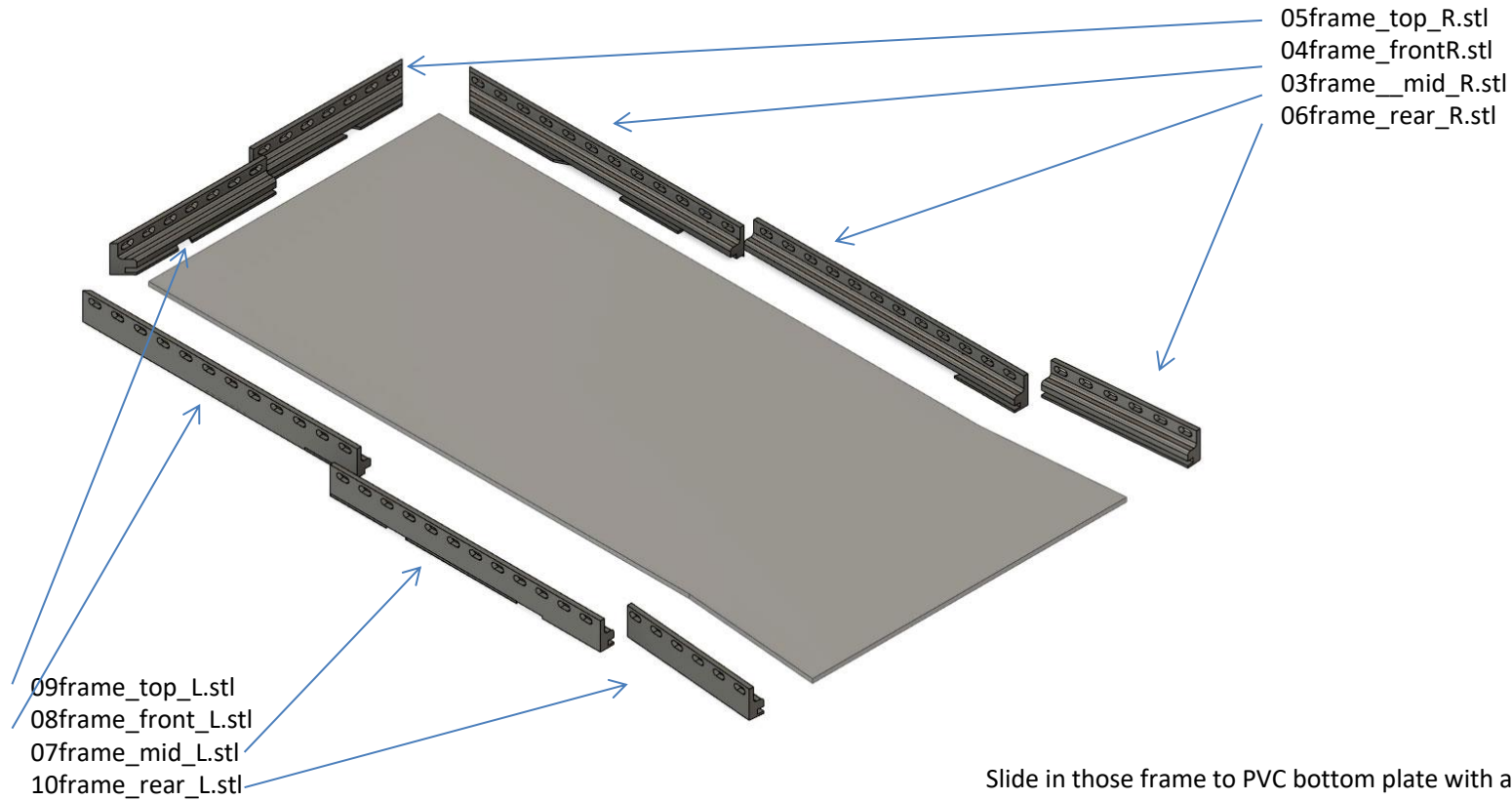
<https://docs.google.com/spreadsheets/d/1wertCCmnbym1yohZ45NyT83byldrO1Om/edit?usp=sharing&oid=105386103767954213755&rtpof=true&sd=true>

Assemble1

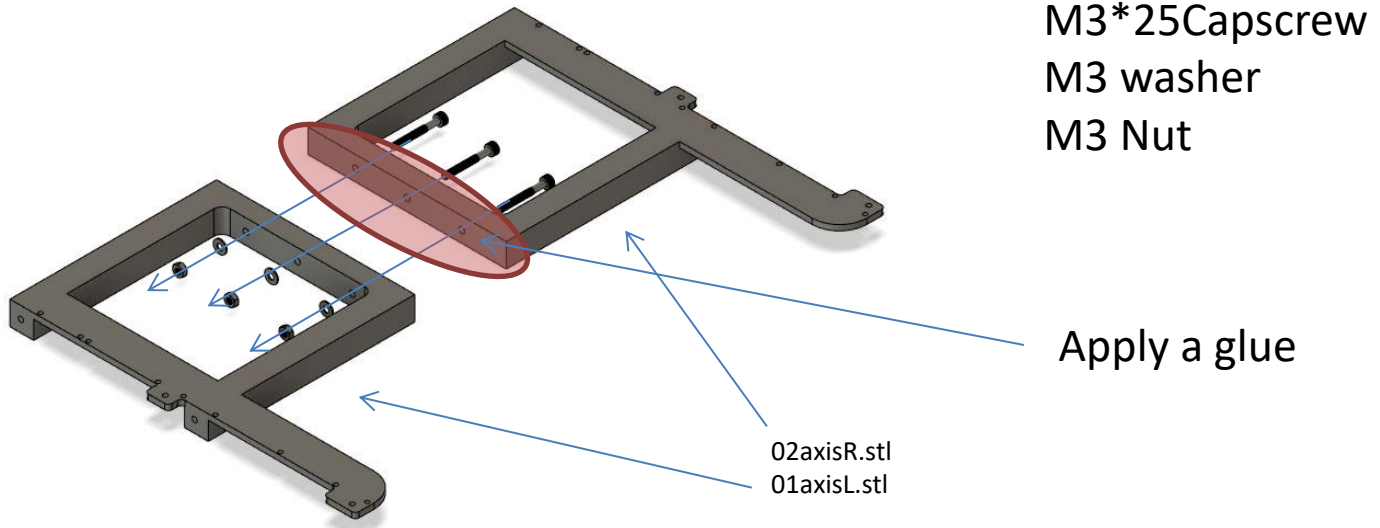


According to cutting plan, cut out bottom plate from PVC plate.

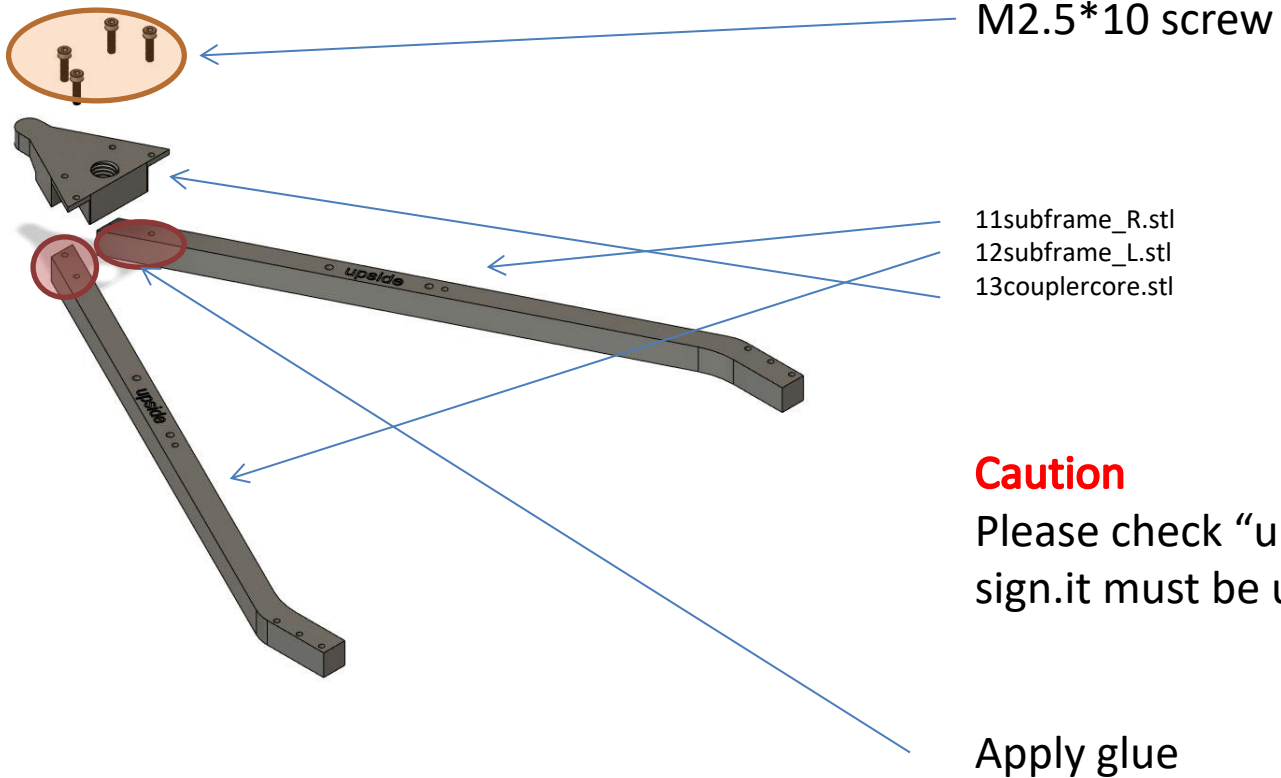
Assemble2



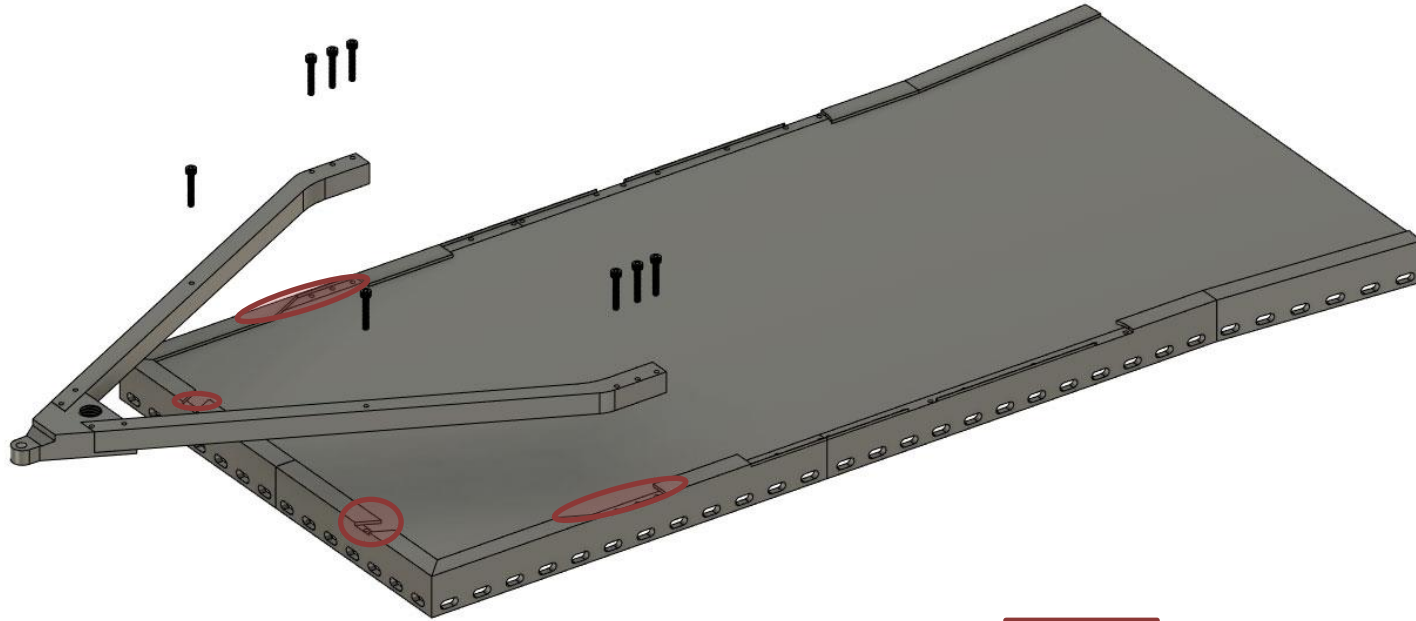
Assemble3



Assemble4



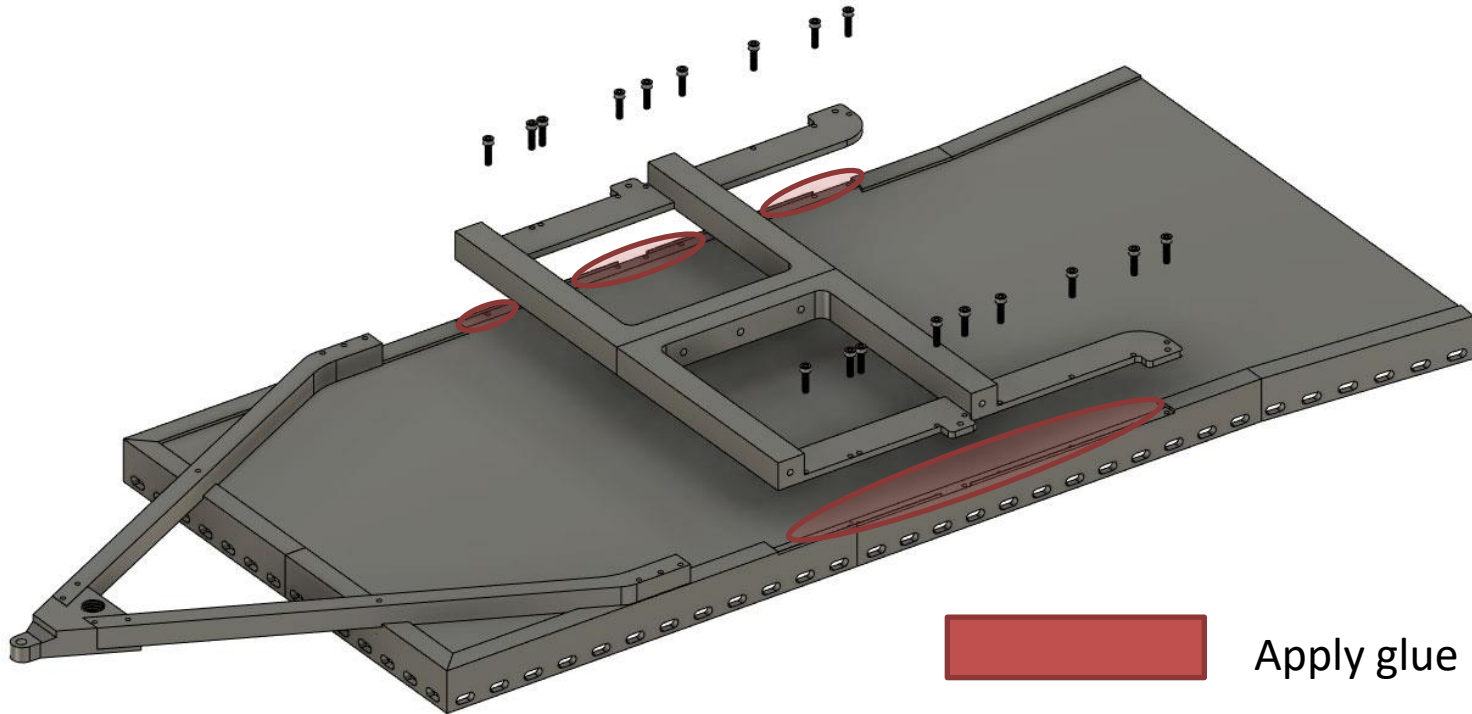
Assemble5



 Apply glue

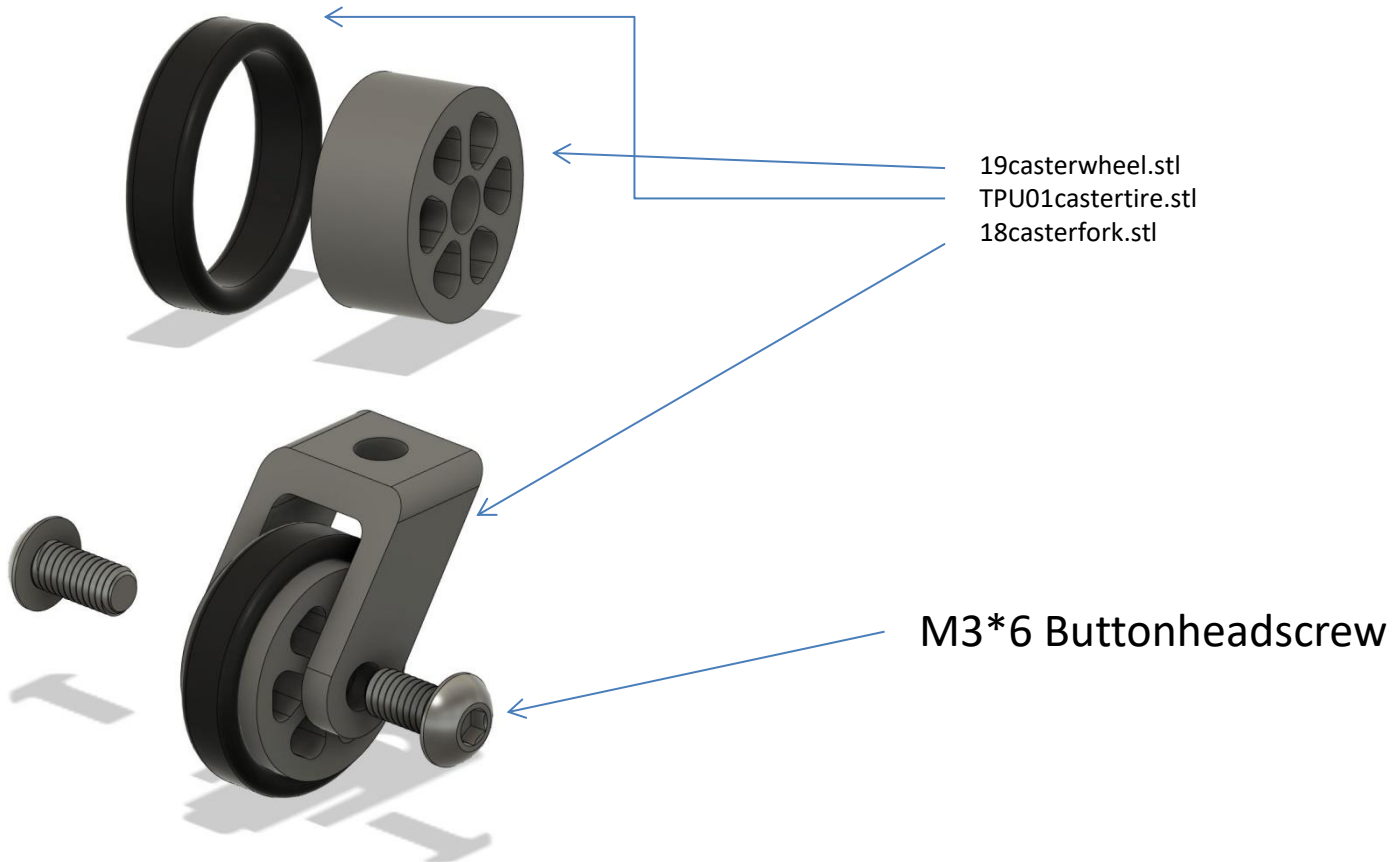
M2.5*16 Screws

Assemble6

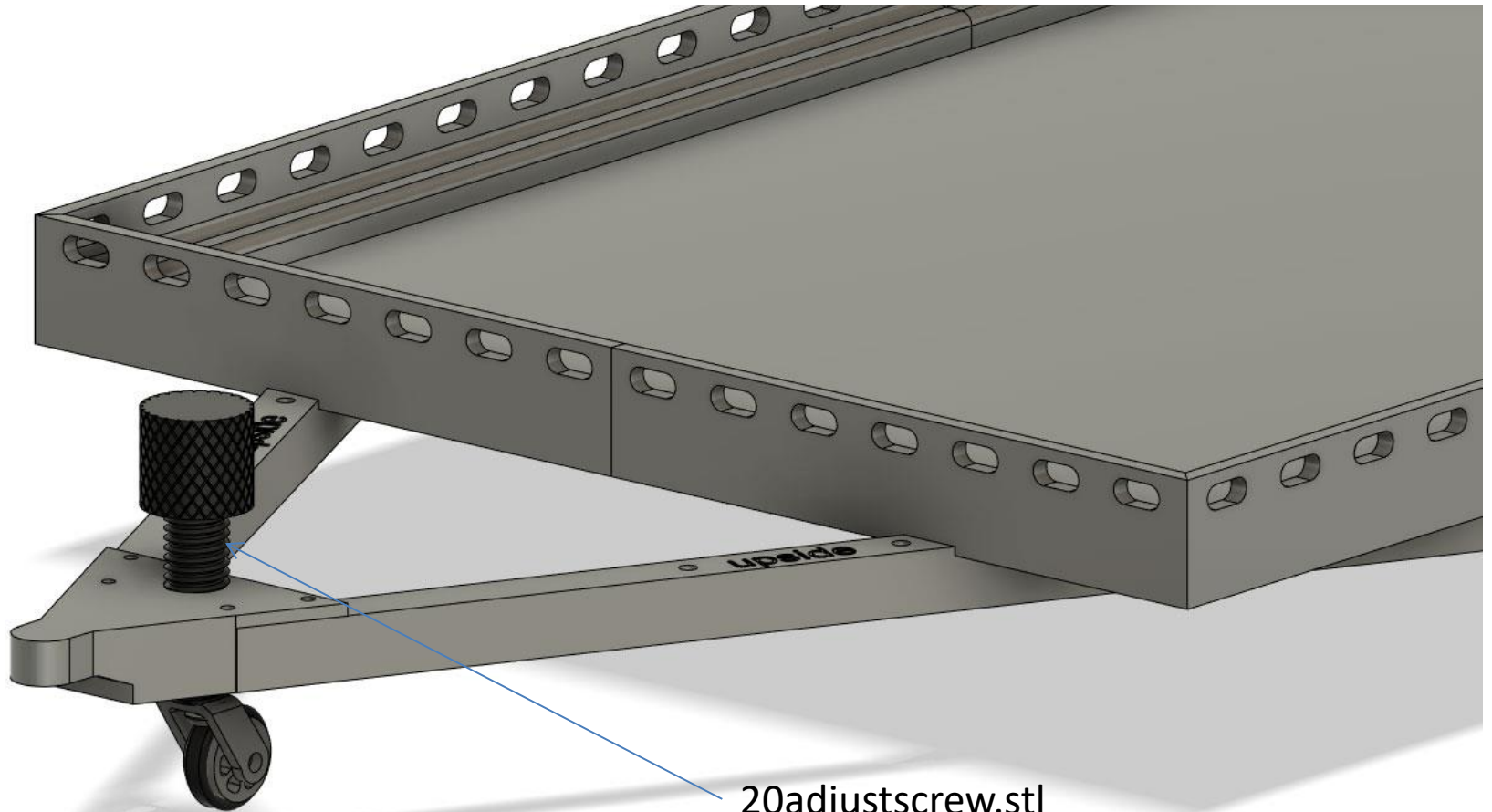


M2.5*10 screws

Assemble7



Assemble8



20adjustscrew.stl

Assemble8-2



Yokomo 4.8mm ϕ Ballend can use tow vehicle coupler.

Assemble9



X4

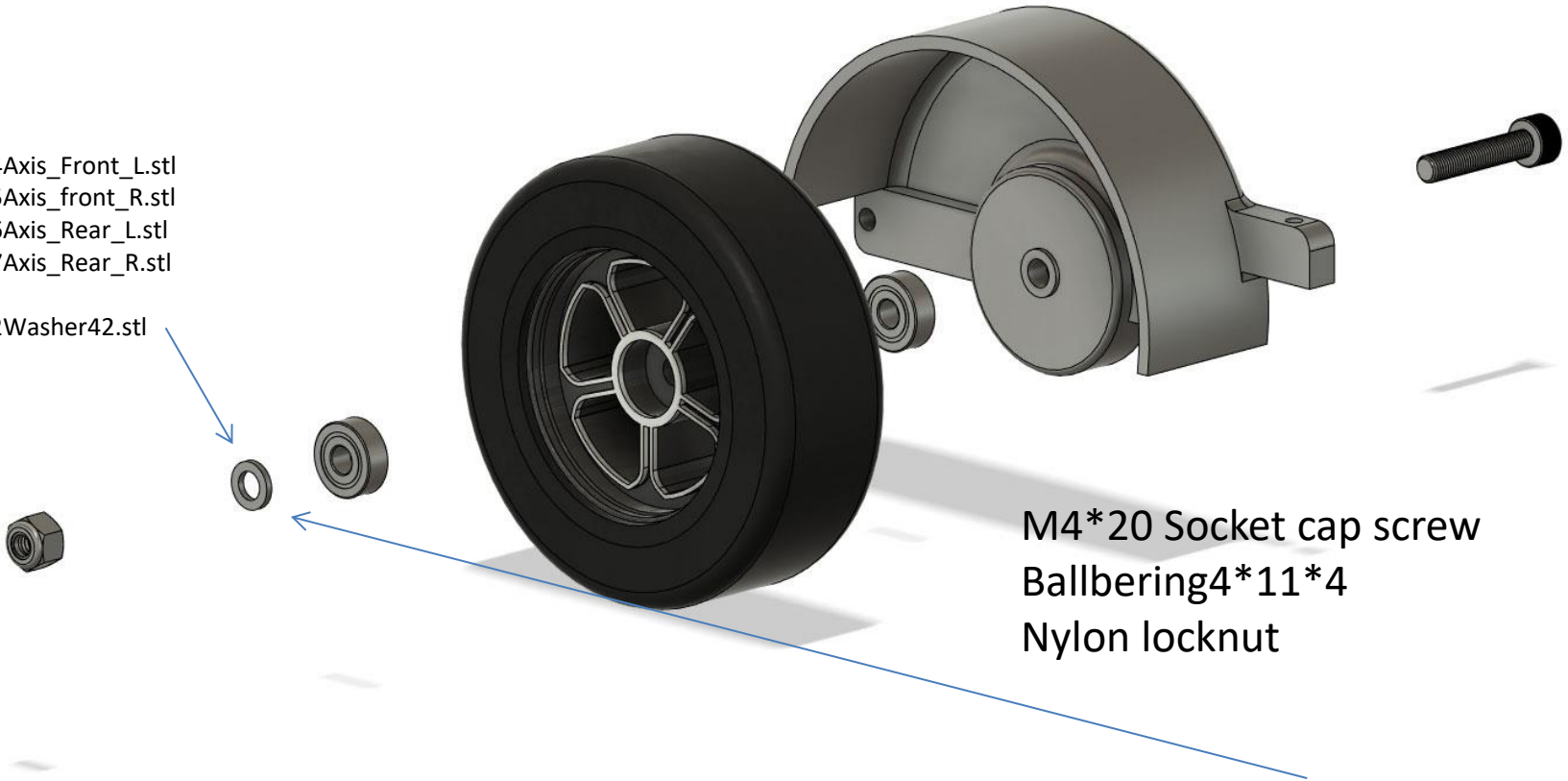
Use Glue and assemble
wheel and wheel face.

21mainwheel.stl
22wheelface.stl

Assemble10

14Axis_Front_L.stl
15Axis_front_R.stl
16Axis_Rear_L.stl
17Axis_Rear_R.stl

32Washer42.stl



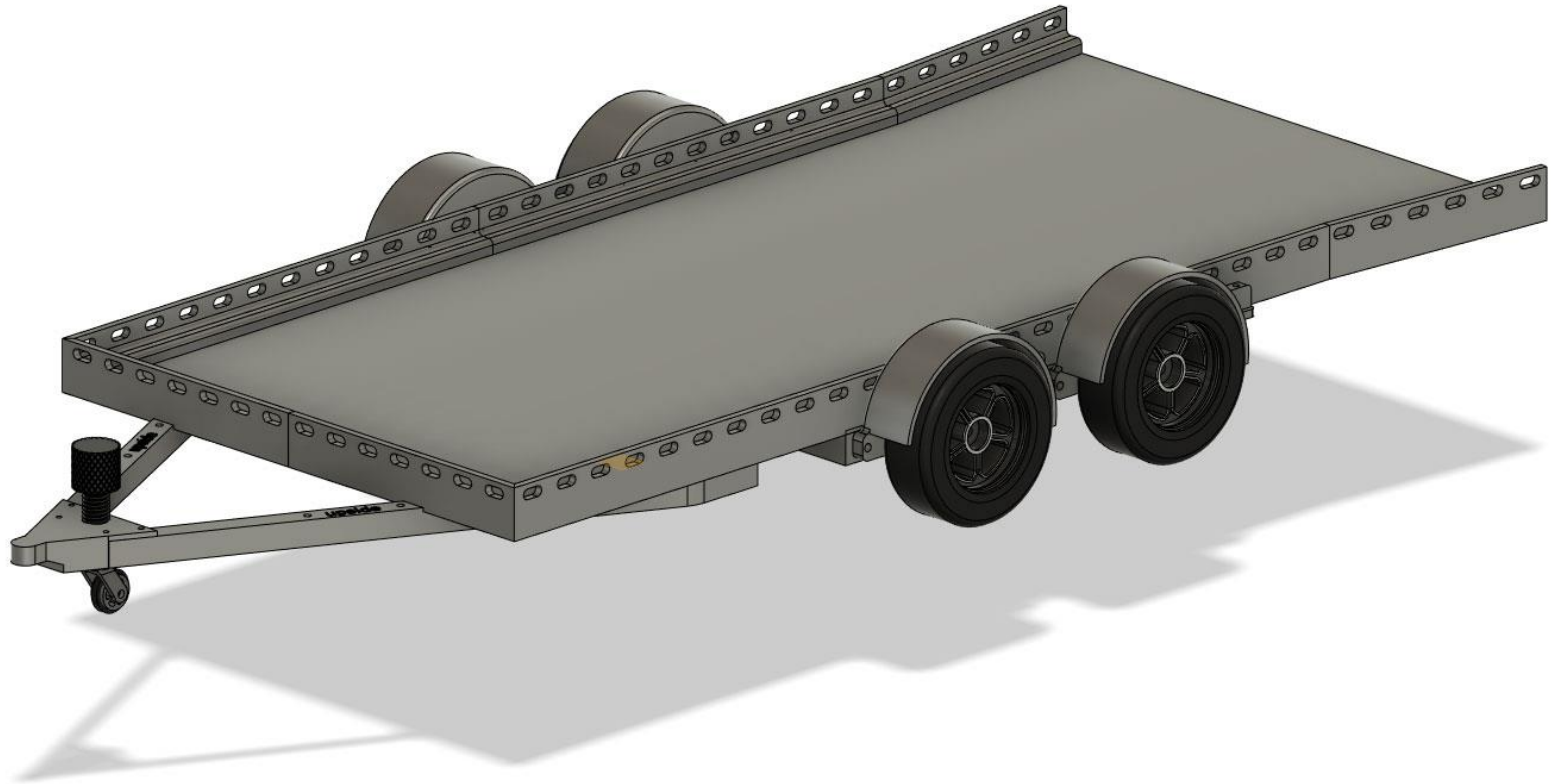
M4*20 Socket cap screw
Ballbering4*11*4
Nylon locknut

Assemble each of 4 axis. For smooth rotation of tire, you can adjust **washer**.

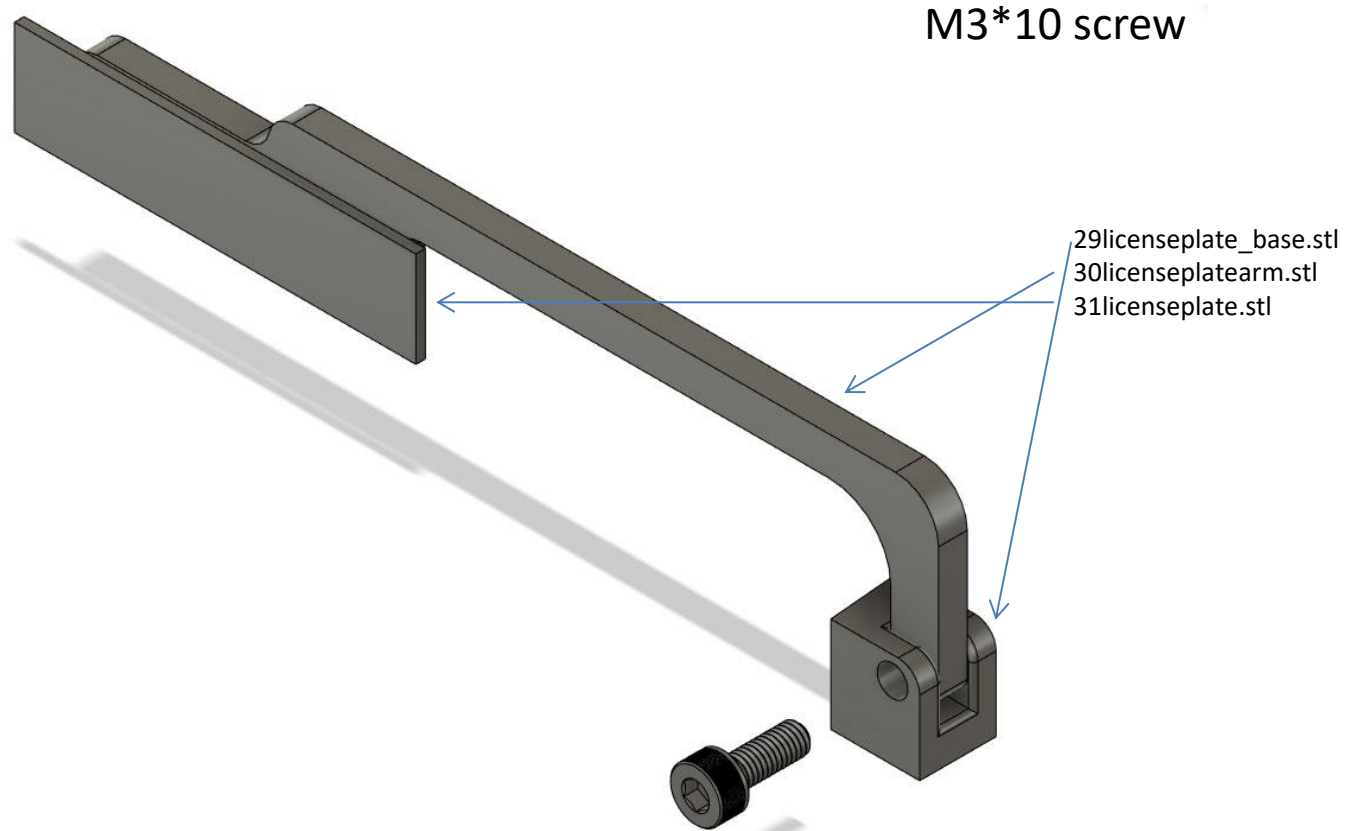
Assemble11



Assemble12

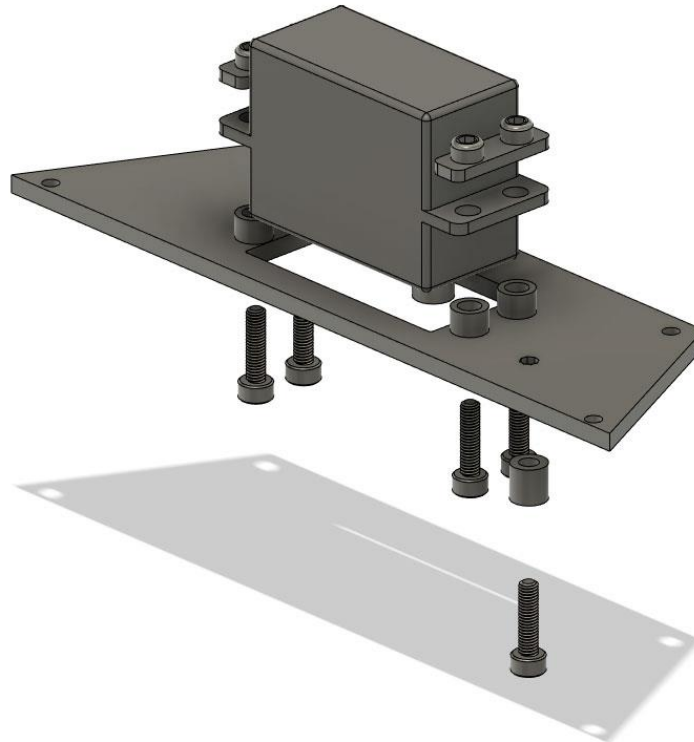


Assemble13



Attach to 06frame_Rear_r.stl use with double side tape

Assemble14

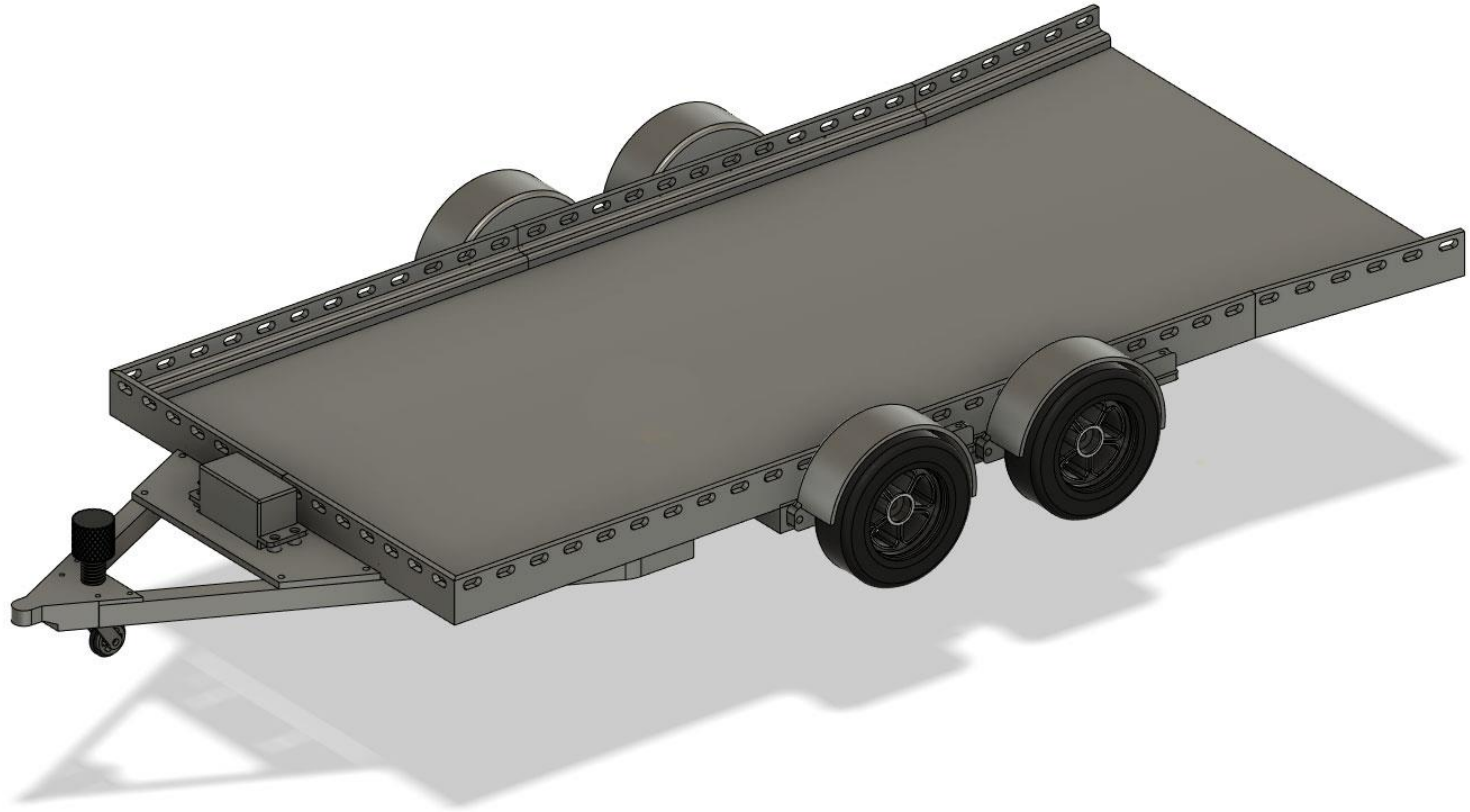


M3*12 screw
M3*6 Screw

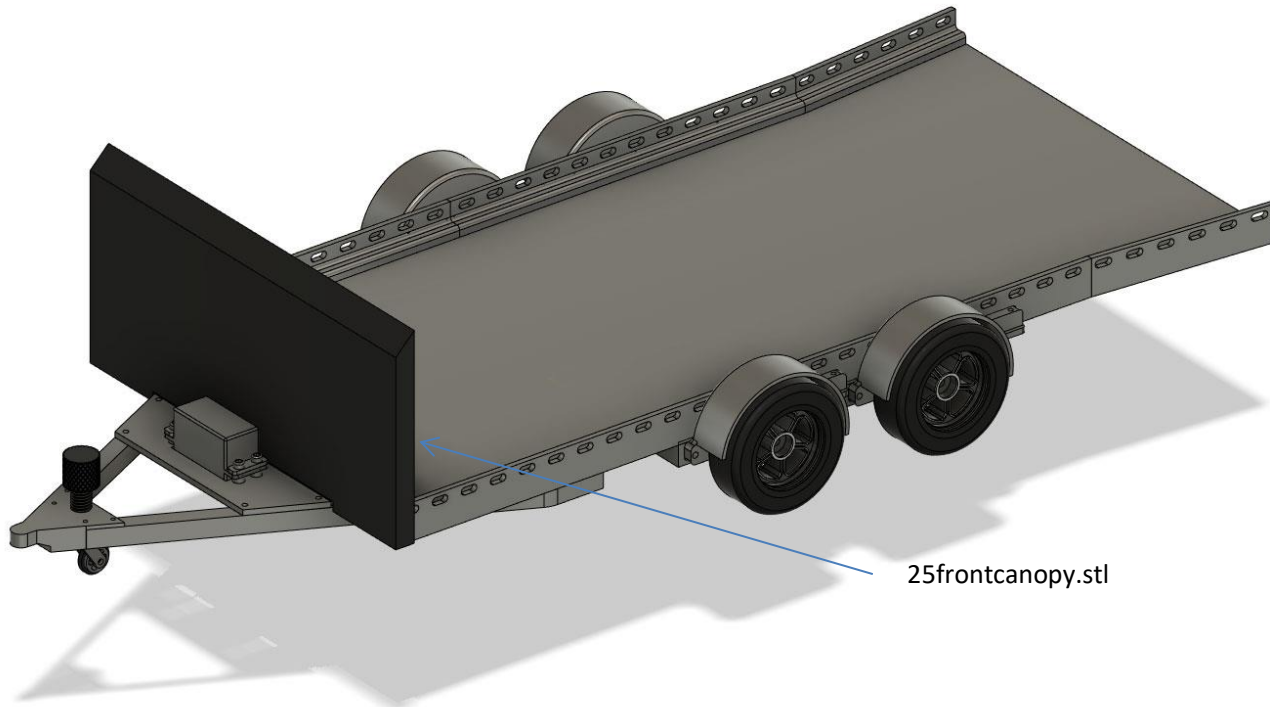
23servomount.stl
24servolock.stl

After assembled servo mount install it on subframe use with 4X M3*6screw

Assemble15



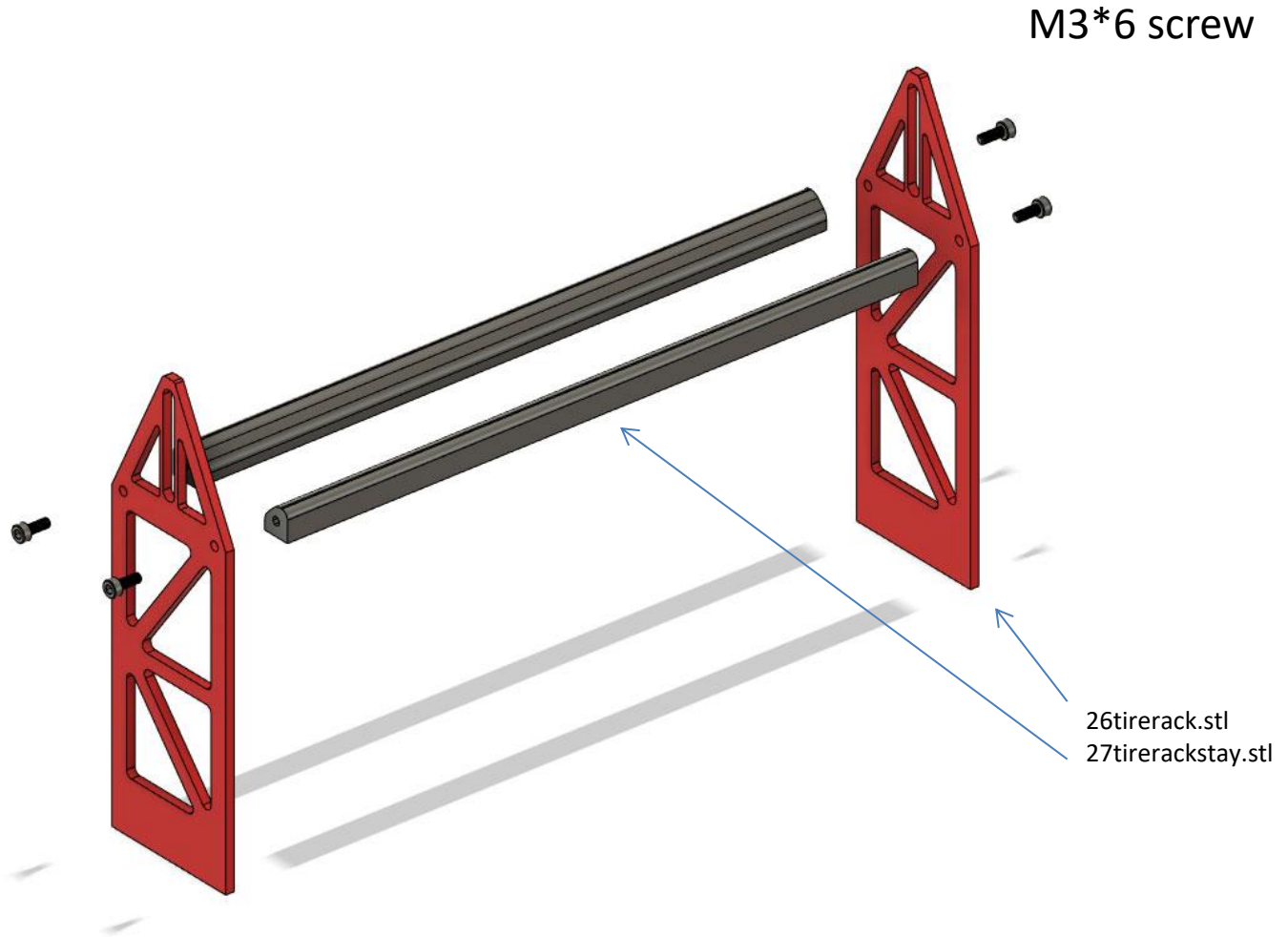
Assemble16



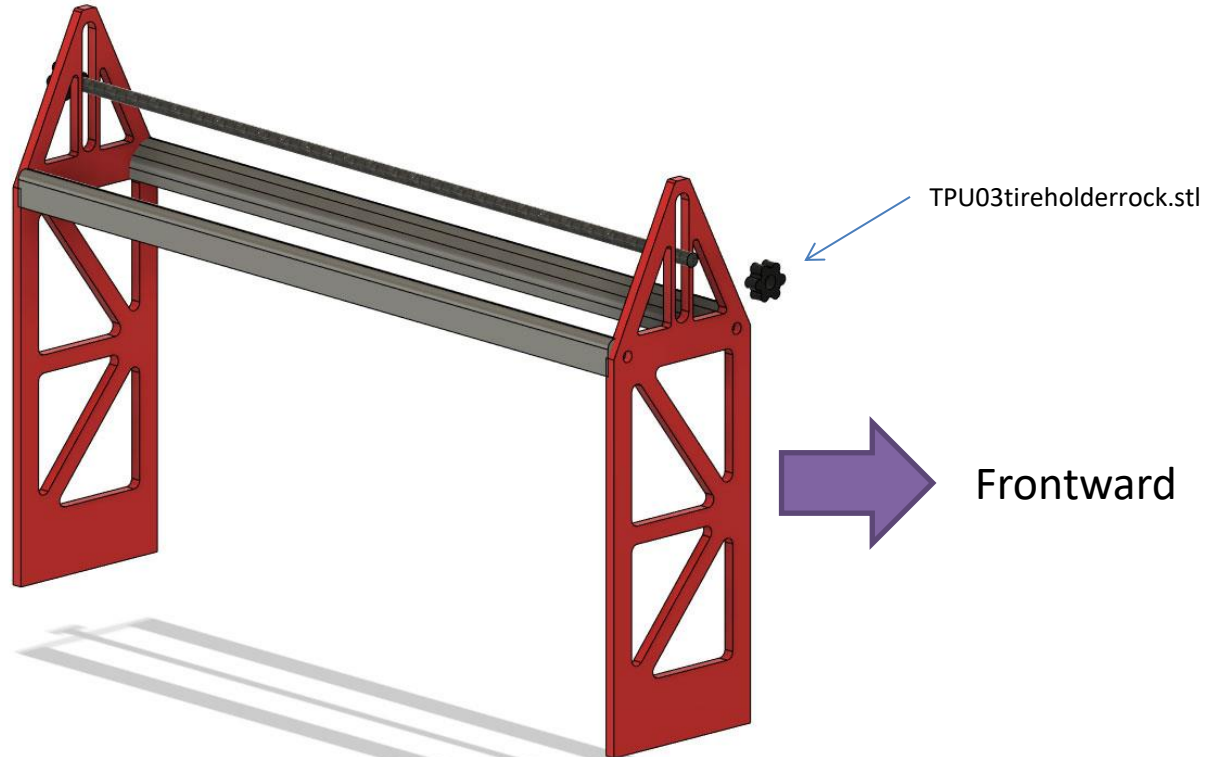
25frontcanopy.stl

Attach the front canopy use with double side tape.

Assemble17



Assemble18



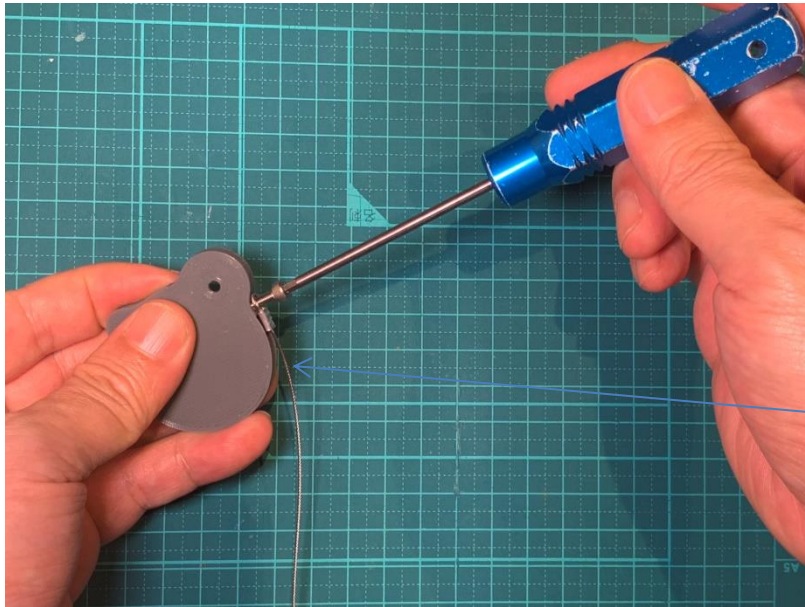
Cut $\phi 4$ mm carbon rod. That length is 245mm.

Assemble19



Mount the Tire rack use with double side tape.
Take attention for Tire rack direction.

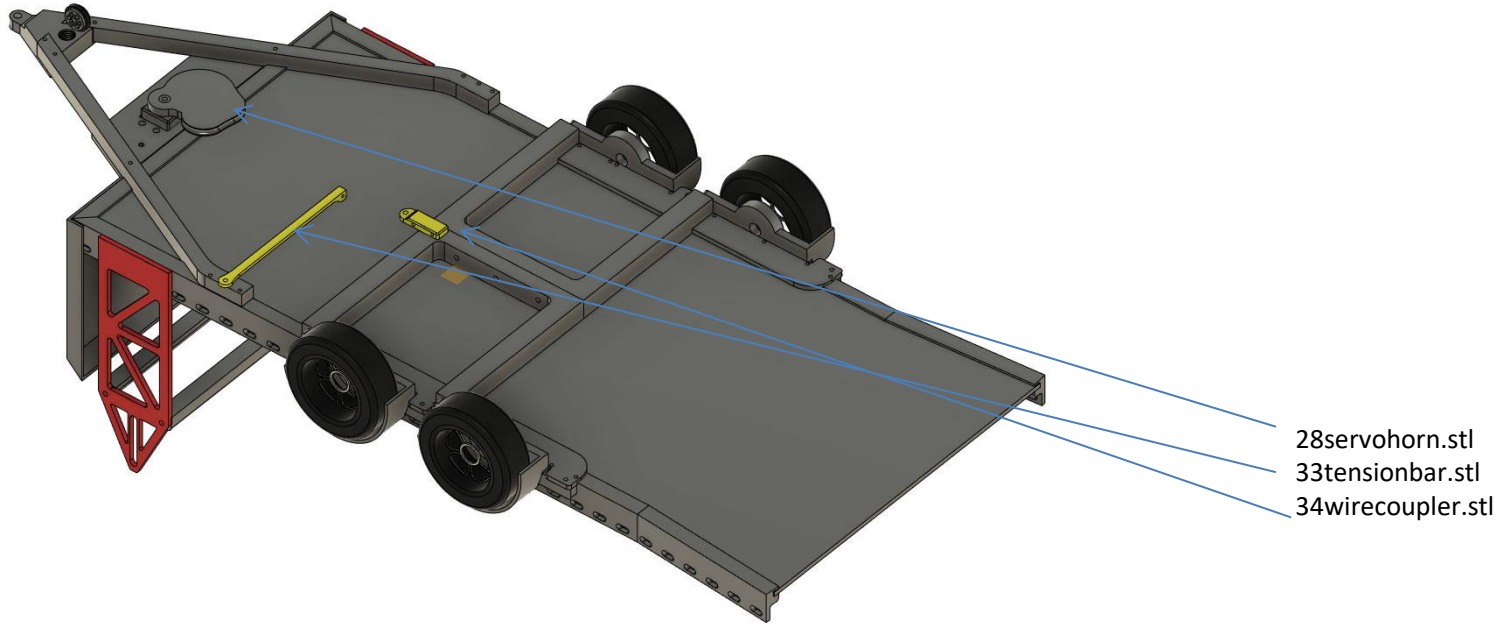
Retract mechanism



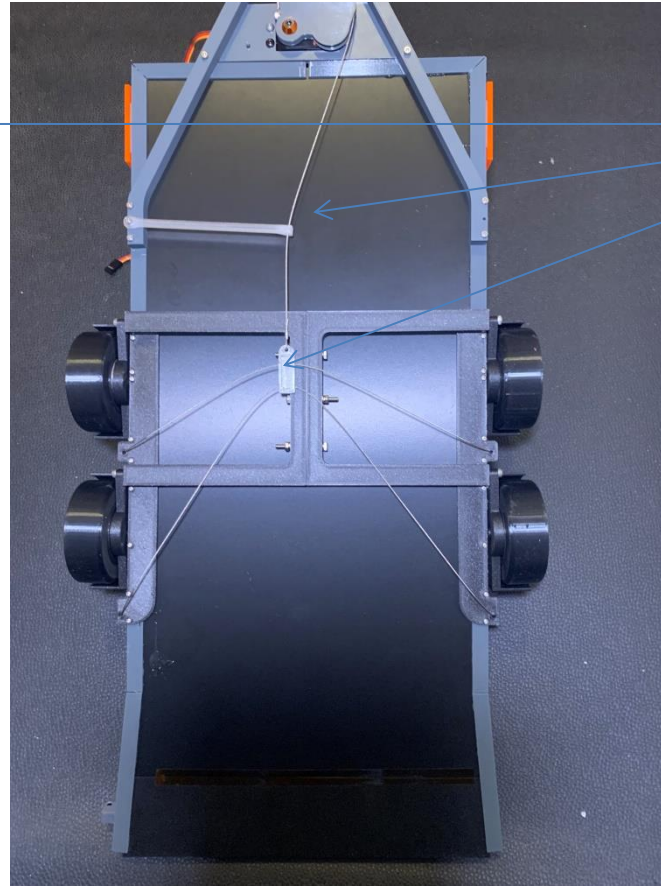
M3*8 screw
Hangingwire0.8mm

28servohorn.stl

Retract mechanism



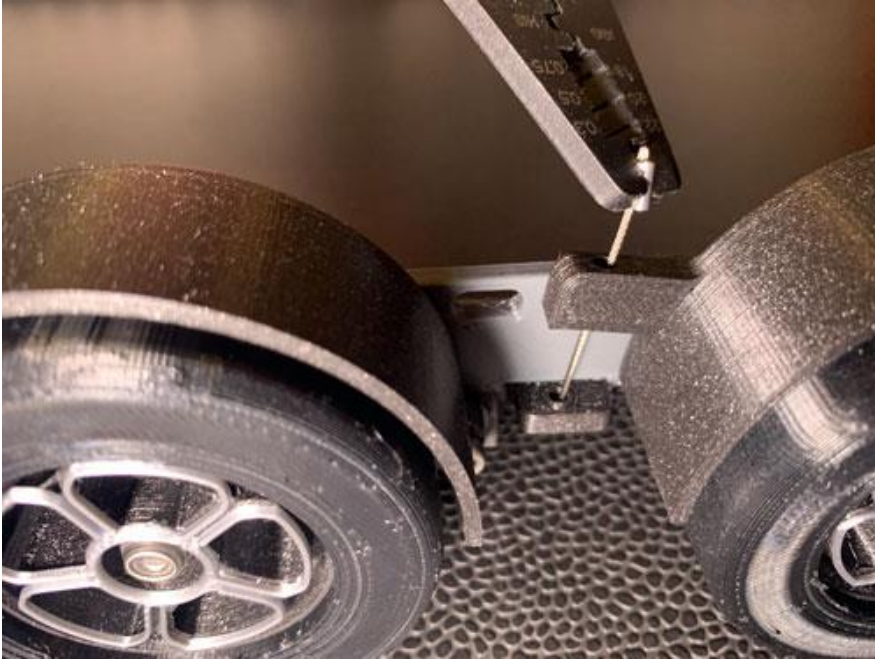
Retract mechanism



28servohorn.stl
33tensionbar.stl
34wirecoupler.stl

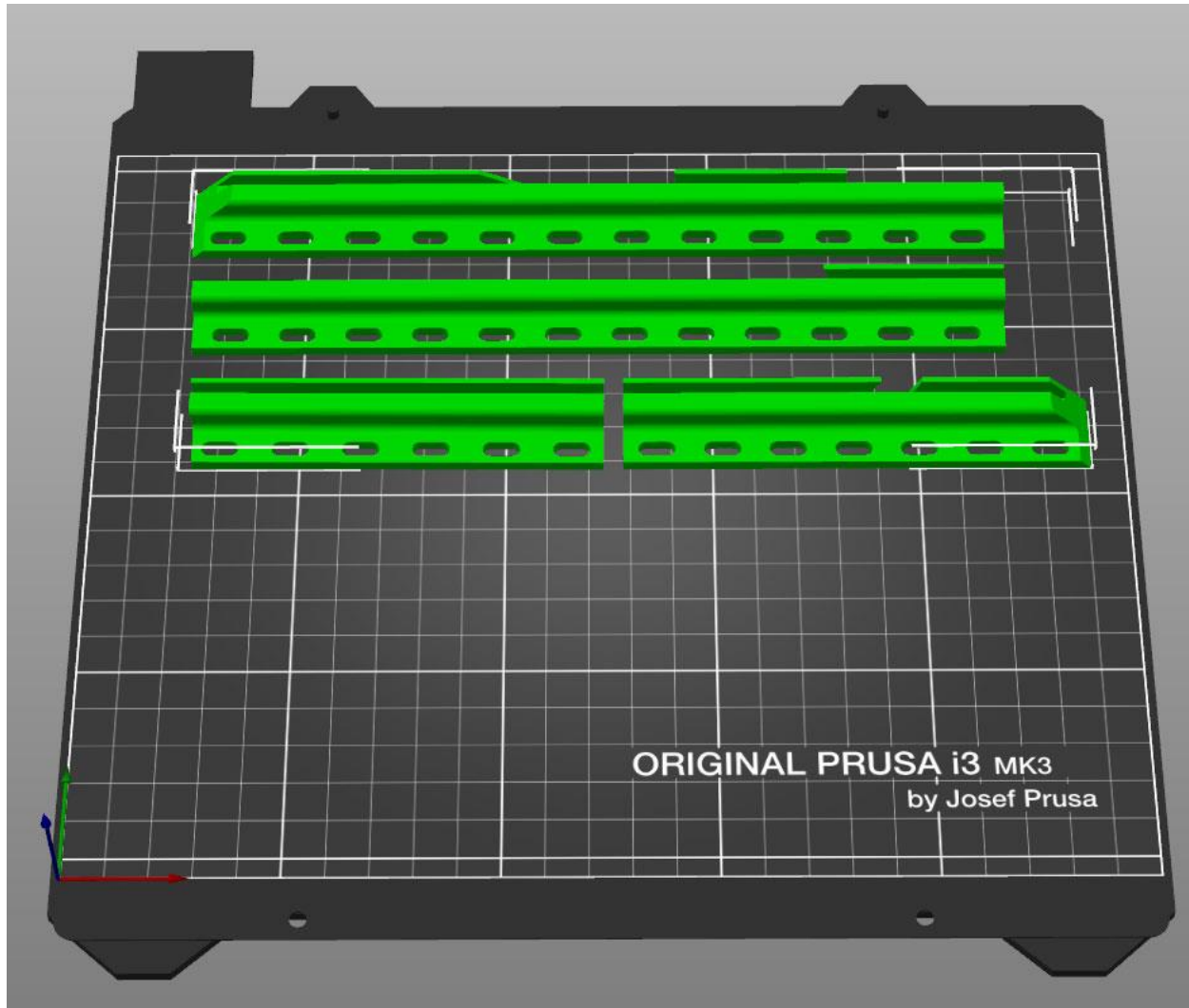


Retract mechanism

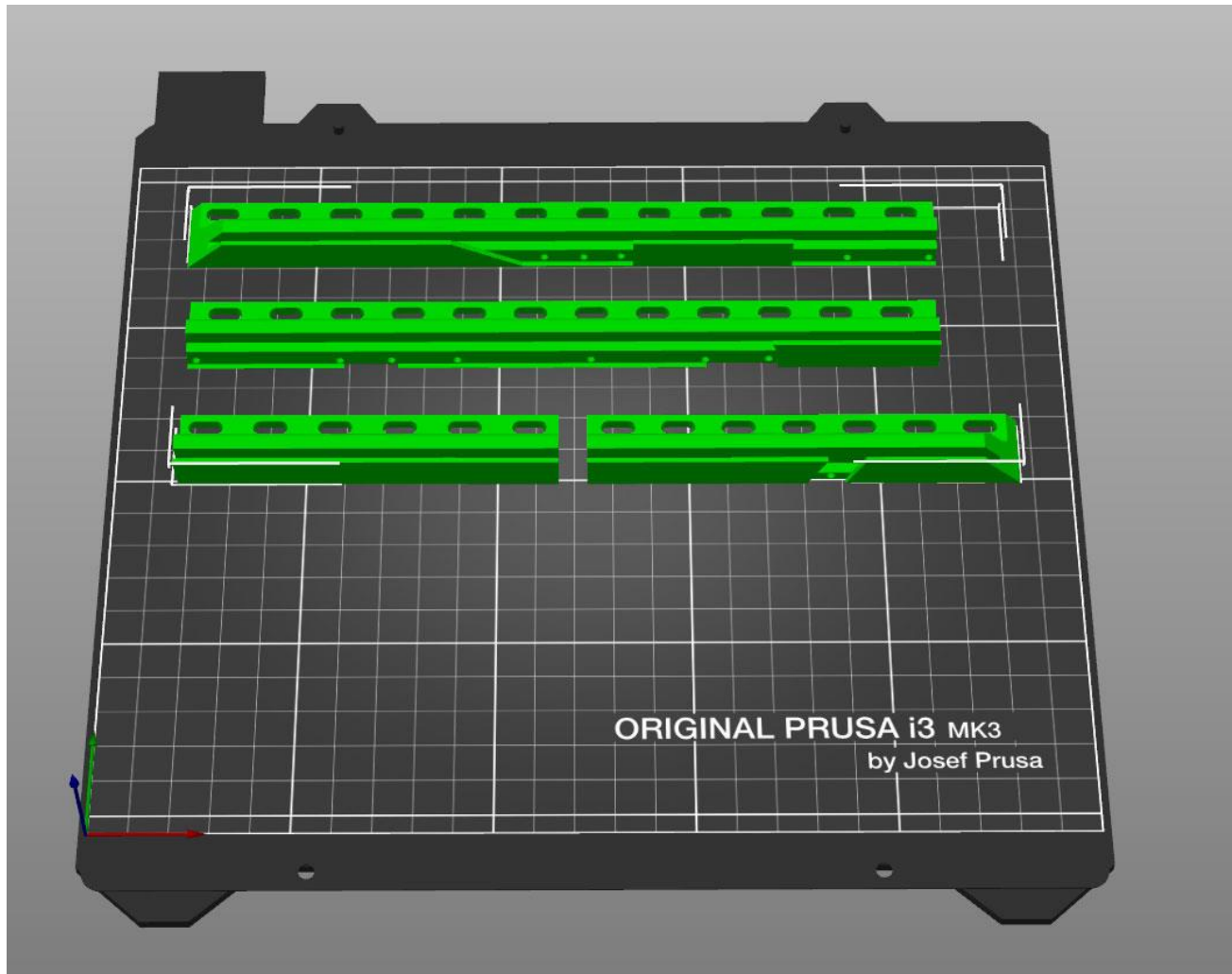


Adjust the wire length and fix it.

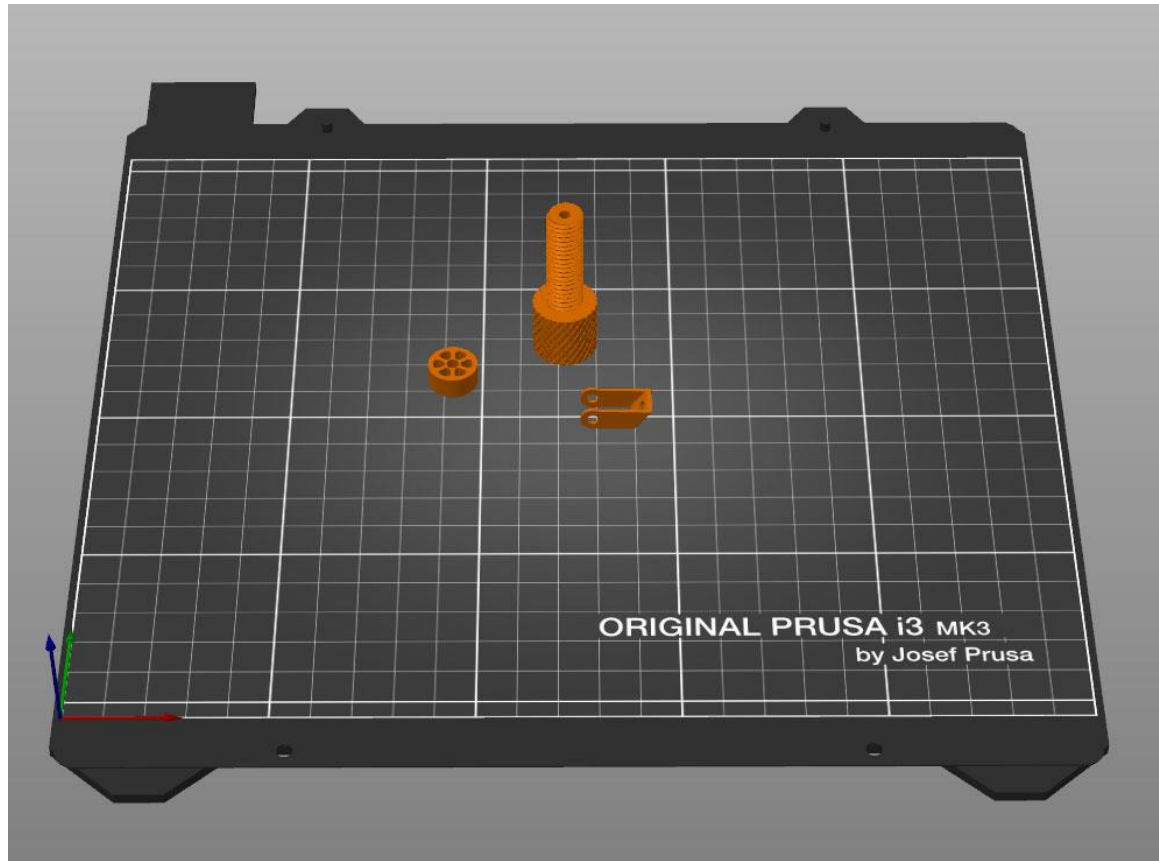
Slice sample



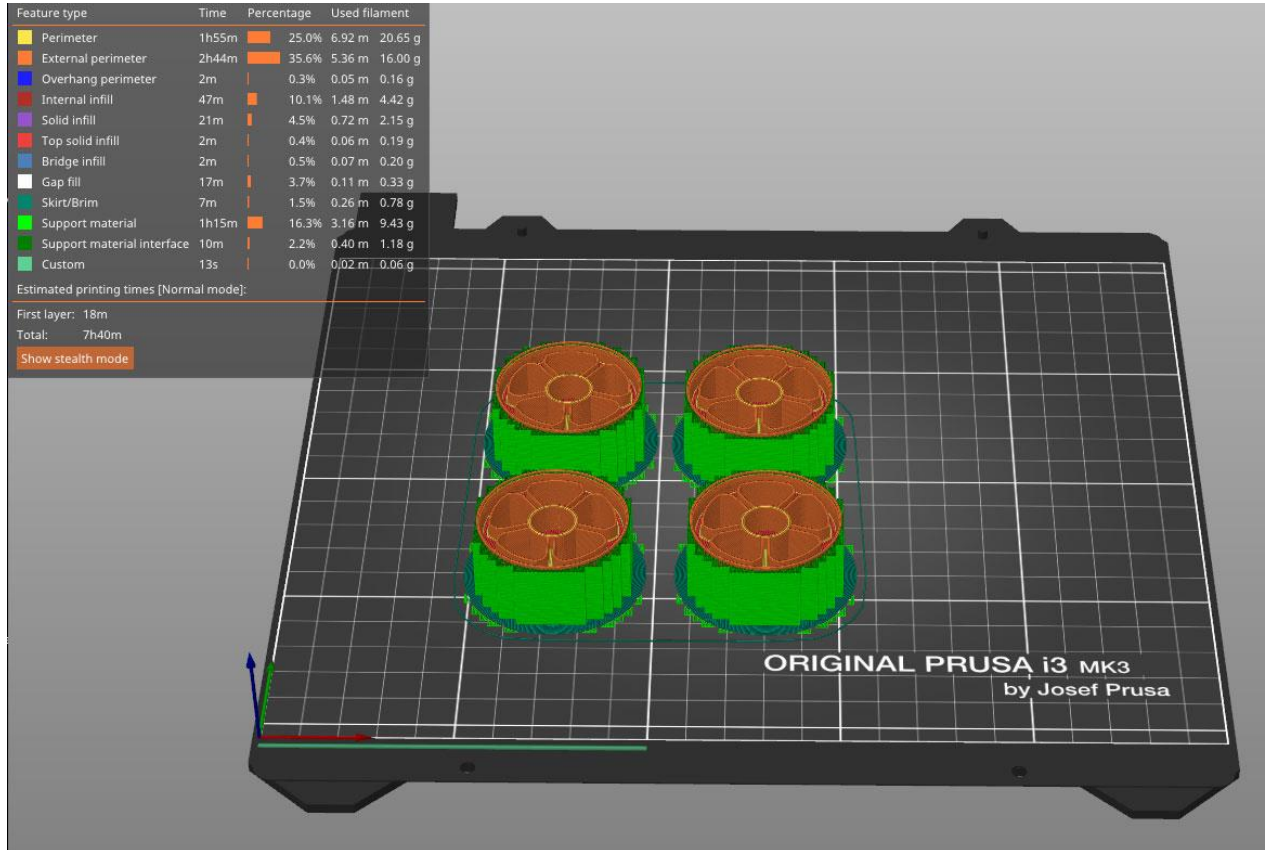
Slice sample



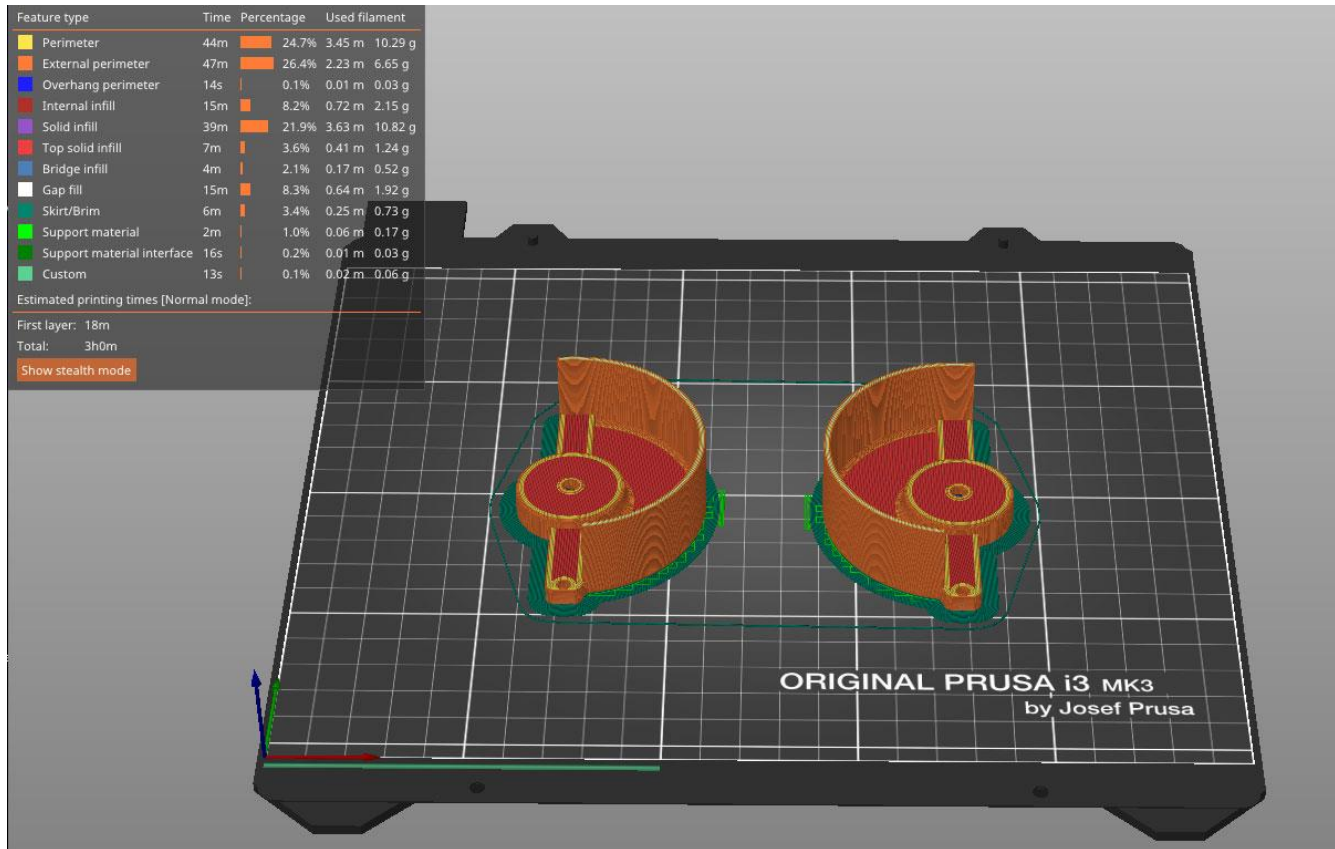
Slice sample



Slice sample



Slice sample



Slice sample

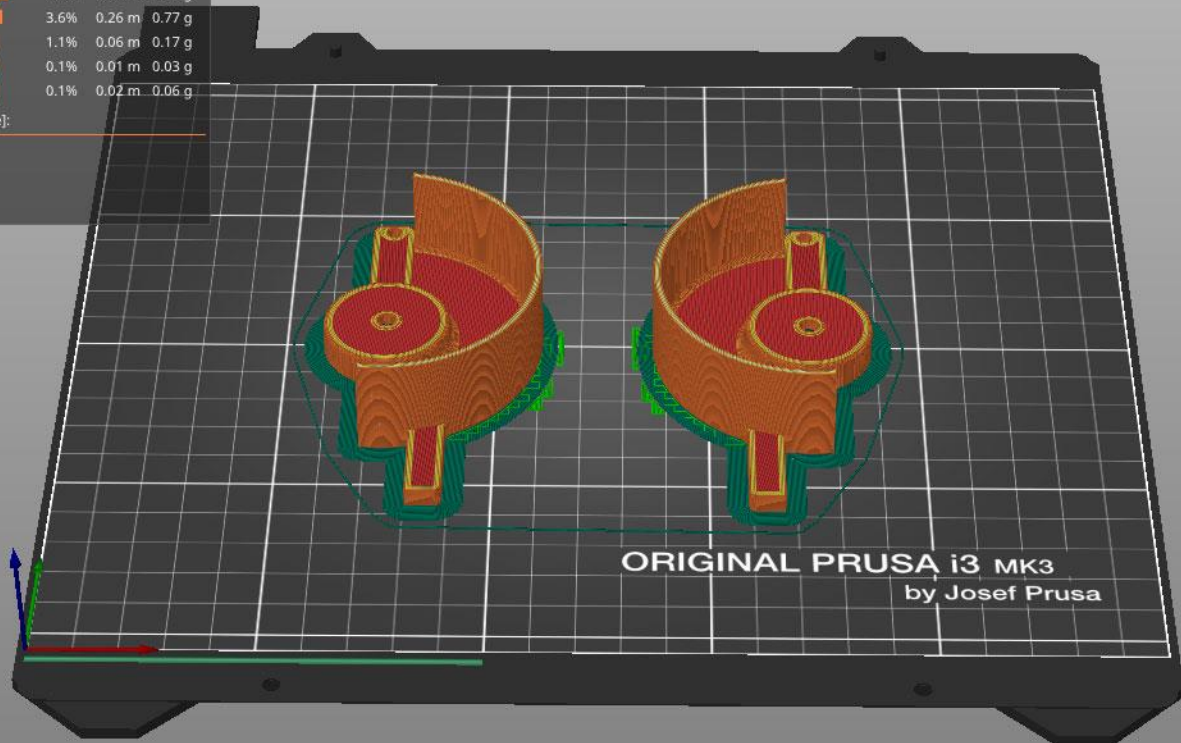
Feature type	Time	Percentage	Used filament
Perimeter	45m	24.5%	3.52 m 10.50 g
External perimeter	48m	26.4%	2.25 m 6.72 g
Overhang perimeter	14s	0.1%	0.01 m 0.03 g
Internal infill	15m	8.0%	0.74 m 2.21 g
Solid infill	40m	22.0%	3.68 m 10.97 g
Top solid infill	7m	3.6%	0.42 m 1.25 g
Bridge infill	4m	2.2%	0.18 m 0.54 g
Gap fill	15m	8.2%	0.64 m 1.92 g
Skirt/Brim	7m	3.6%	0.26 m 0.77 g
Support material	2m	1.1%	0.06 m 0.17 g
Support material interface	16s	0.1%	0.01 m 0.03 g
Custom	13s	0.1%	0.02 m 0.06 g

Estimated printing times [Normal mode]:

First layer: 19m

Total: 3h2m

Show stealth mode



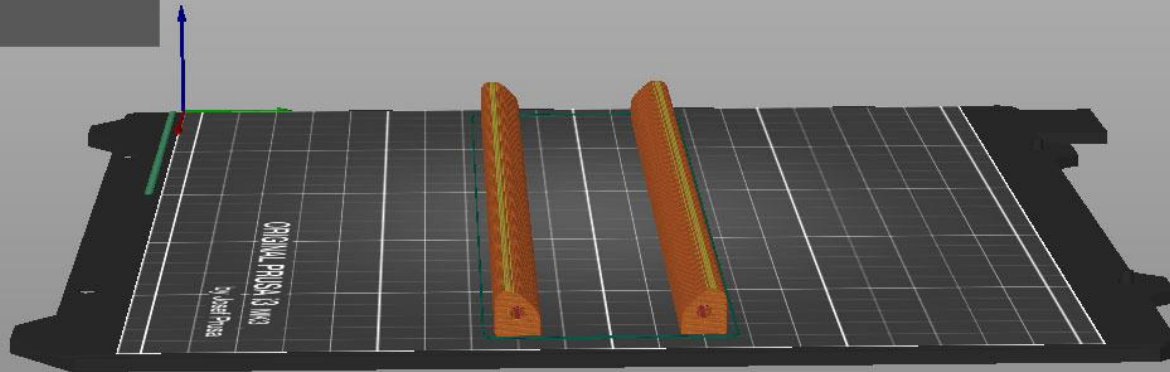
Slice sample

Feature type	Time	Percentage	Used filament
Perimeter	37m	22.7%	3.23 m 9.63 g
External perimeter	34m	20.5%	1.63 m 4.86 g
Overhang perimeter	1s	0.0%	0.00 m 0.00 g
Internal infill	37m	22.3%	2.15 m 6.40 g
Solid infill	53m	32.6%	2.78 m 8.31 g
Top solid infill	32s	0.3%	0.03 m 0.08 g
Bridge infill	1m	0.8%	0.05 m 0.16 g
Gap fill	3s	0.0%	0.00 m 0.00 g
Skirt/Brim	53s	0.5%	0.05 m 0.16 g
Custom	12s	0.1%	0.02 m 0.06 g

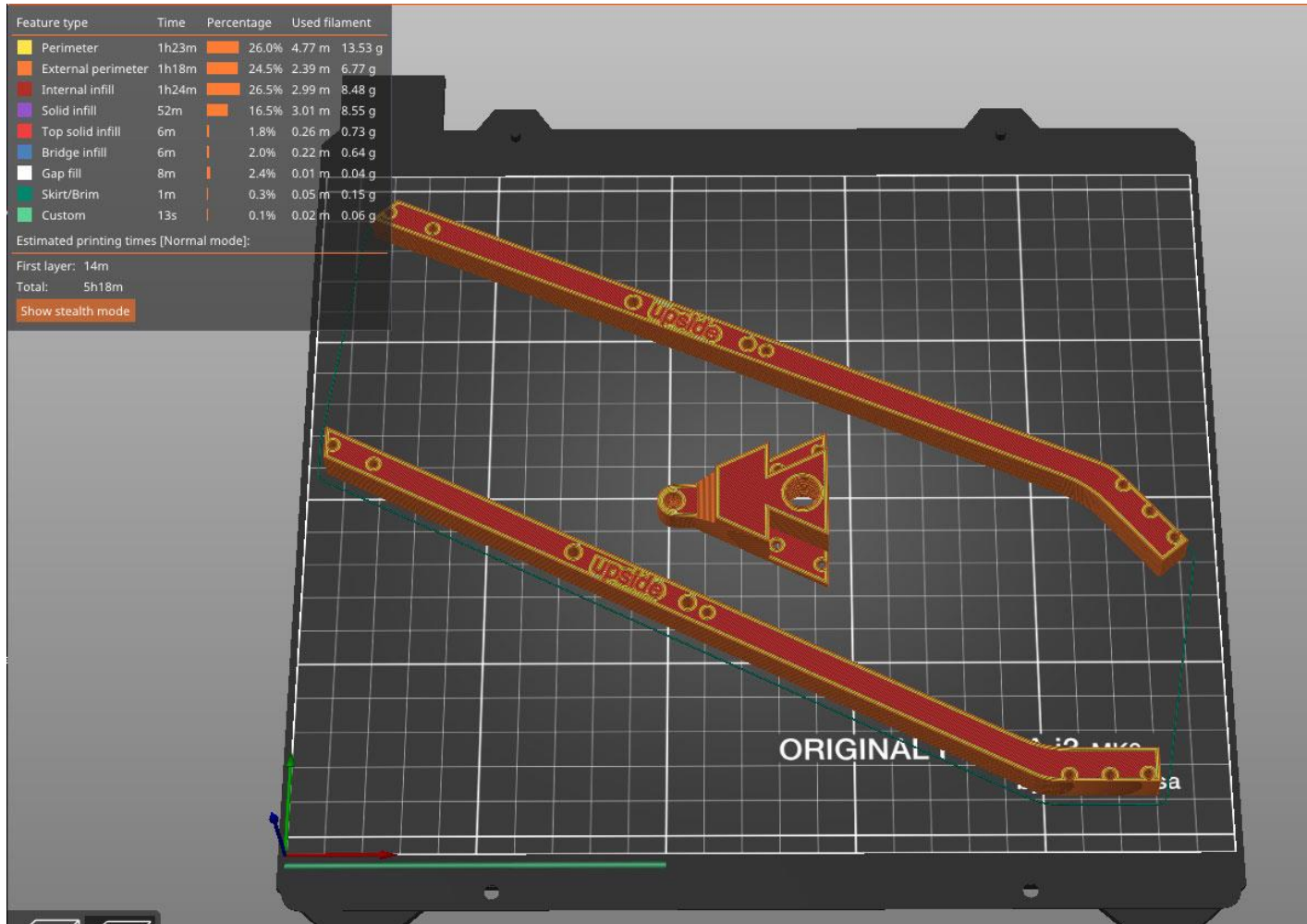
Estimated printing times [Normal mode]:

First layer: 11m
Total: 2h44m

Show stealth mode



Slice sample



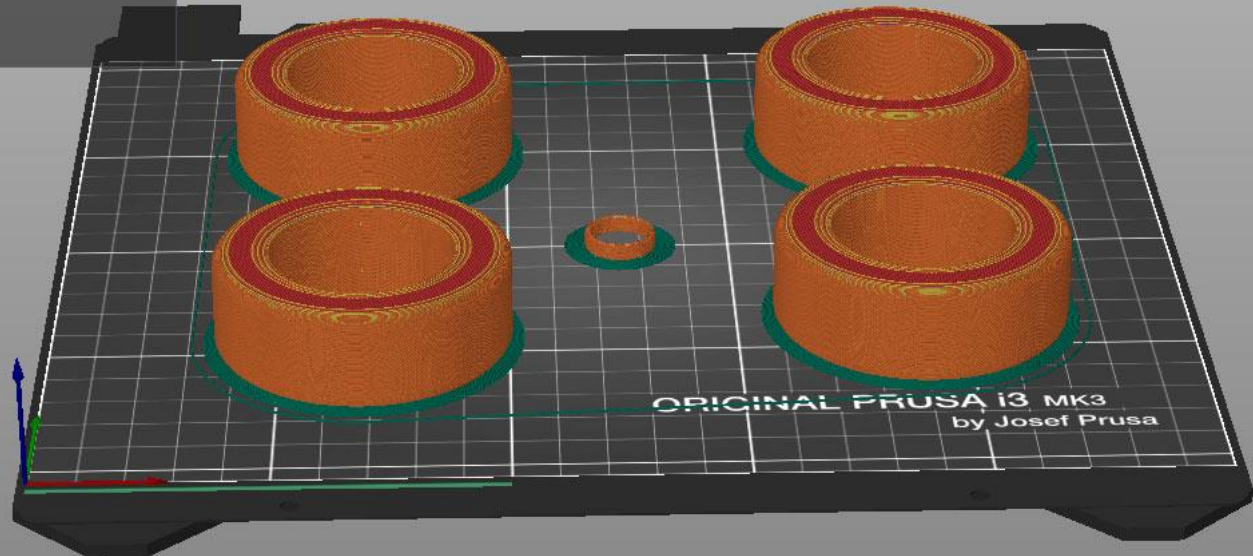
Slice sample

Feature type	Time	Percentage	Used filament
Perimeter	57m	18.5%	5.08 m 0.00 g
External perimeter	1h48m	34.9%	5.06 m 0.00 g
Overhang perimeter	33s	0.2%	0.02 m 0.00 g
Internal infill	46m	14.8%	4.29 m 0.00 g
Solid infill	1h2m	19.9%	4.77 m 0.00 g
Top solid infill	15m	4.7%	0.82 m 0.00 g
Bridge infill	11m	3.5%	0.49 m 0.00 g
Gap fill	3s	0.0%	0.00 m 0.00 g
Skirt/Brim	11m	3.4%	0.42 m 0.00 g
Custom	14s	0.1%	0.02 m 0.00 g

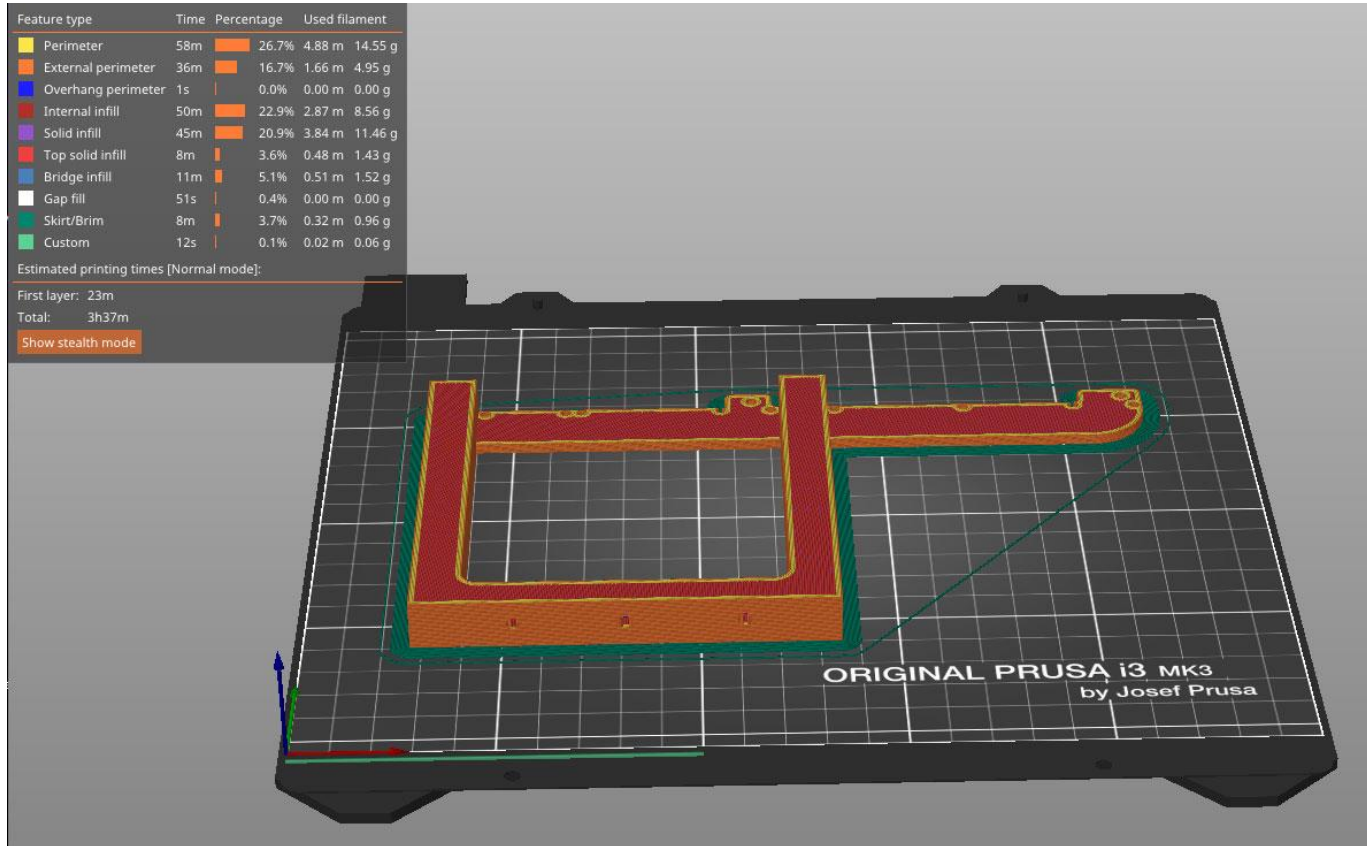
Estimated printing times [Normal mode]:

First layer: 25m
Total: 5h10m

Show stealth mode



Slice sample



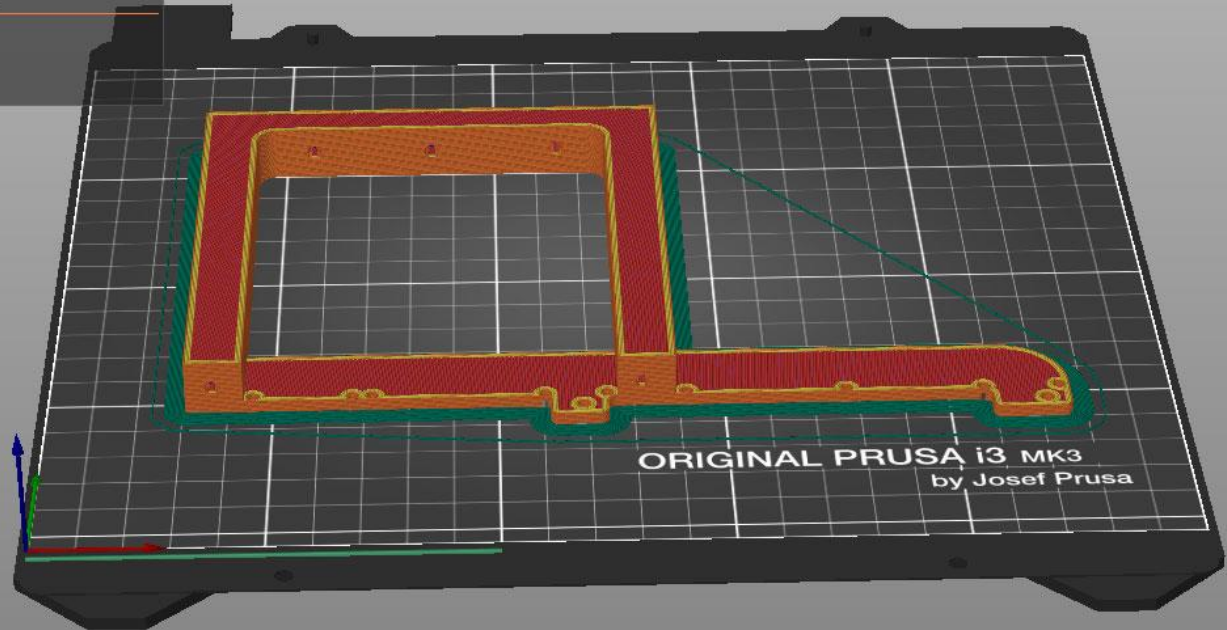
Slice sample

Feature type	Time	Percentage	Used filament	
Perimeter	58m	26.7%	4.88 m	14.55 g
External perimeter	36m	16.6%	1.66 m	4.95 g
Overhang perimeter	1s	0.0%	0.00 m	0.00 g
Internal infill	49m	22.8%	2.87 m	8.56 g
Solid infill	45m	21.0%	3.84 m	11.46 g
Top solid infill	8m	3.6%	0.48 m	1.43 g
Bridge infill	11m	5.1%	0.51 m	1.52 g
Gap fill	51s	0.4%	0.00 m	0.00 g
Skirt/Brim	8m	3.7%	0.32 m	0.96 g
Custom	12s	0.1%	0.02 m	0.06 g

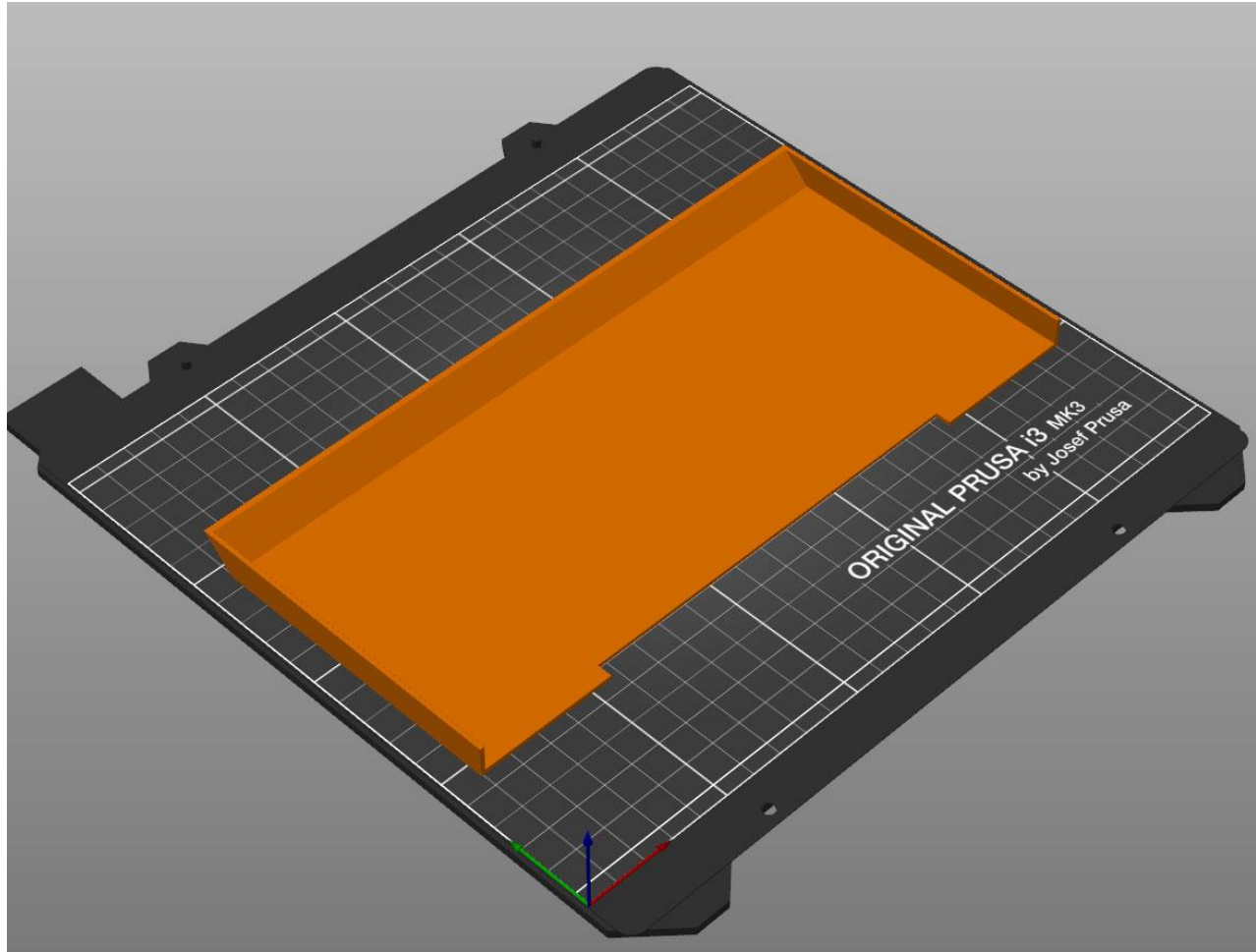
Estimated printing times [Normal mode]:

First layer: 23m
 Total: 3h37m

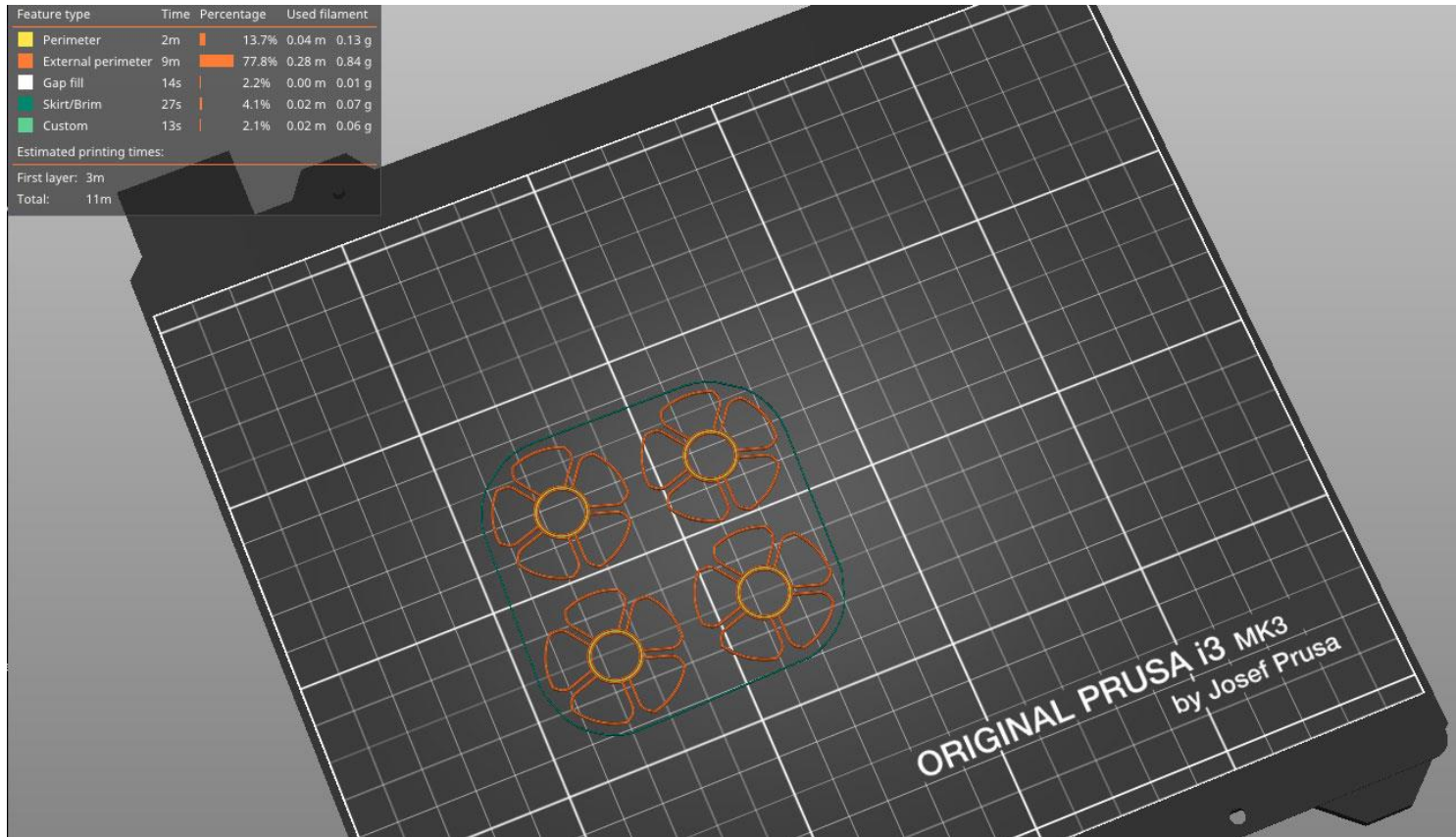
[Show stealth mode](#)



Slice sample



Slice sample



Slice sample

