



CACTUS
CRAFT



1/3
KART
Addon 2 - bodywork

user manual




What you need:

Filament PLA / PLA CF / PC CF

Hardware	M1.6x5mm	34x	link
	M1.6x12mm	12x	link
	M2x8mm (thin flat head)	19x	link
	M2x12mm (thin flat head)	36x	link
	M2x16mm (thin flat head)	4x	link

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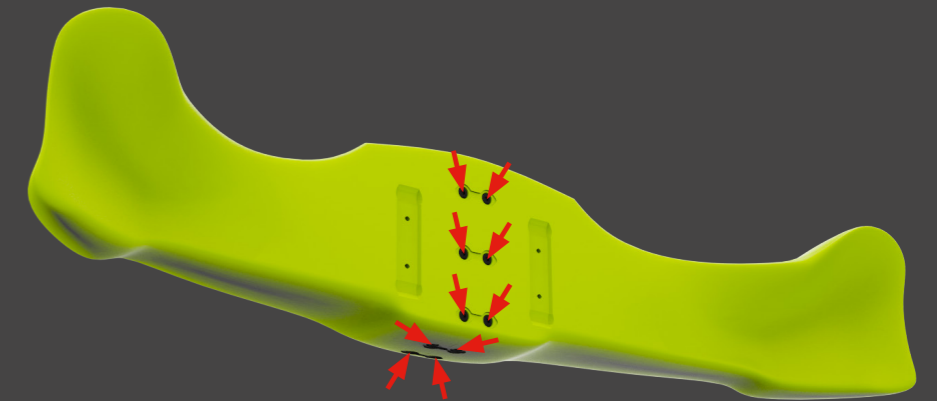
1/3 Kart addon assembly

1.

File:
-Front_bumper_1
-Front_bumper_2
-Connectors

Hardware:
-M2x12mm x10

Connect front bumper parts together with connectors, use M2x12mm screws.

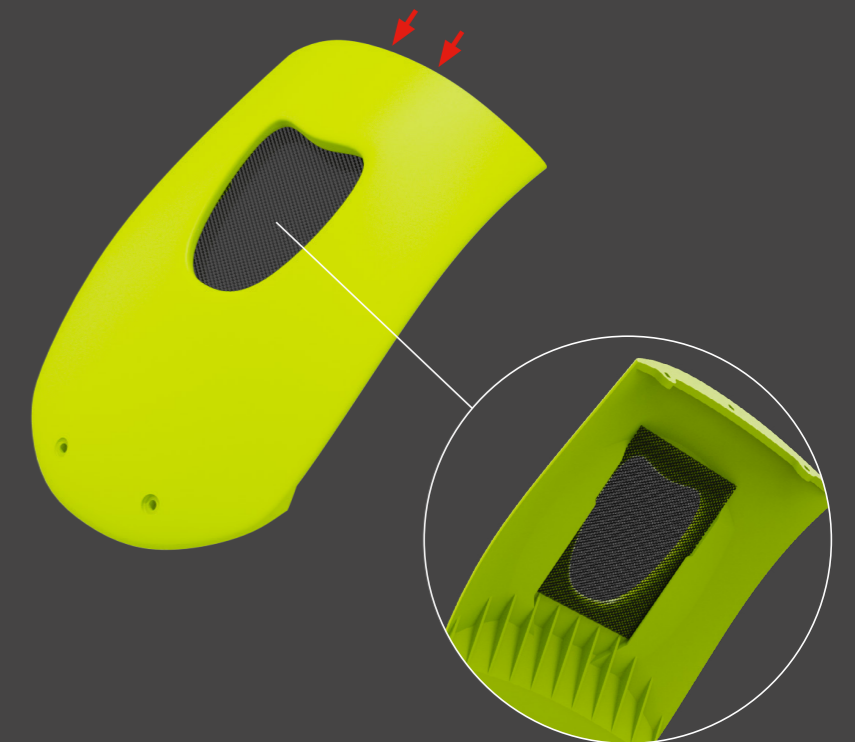


2.

File:
-Front_bumper_3
-Mesh

Insert mesh into the slots. It is necessary to slightly bend mesh during the process.

Mesh print setup:
-Layer heigh: 0.2mm
-Perimeters: 2
-Infill: 40%
-Infill pattern: Zig zag
-Infill degree: 45°





1/3 Kart addon assembly

3.

File:
-Front_bumper_3
-Front_bumper_4
-M2_nuts

Hardware:
-M2x8mm 3x

Connect front bumper parts with M2x8mm screws and nuts.



4.

File:
-Front_bumper_1
-Front_bumper_2
-Front_bumper_3
-Front_bumper_4

Hardware:
-M2x16mm 2x

Connect front bumper parts together with M2x16mm screws.



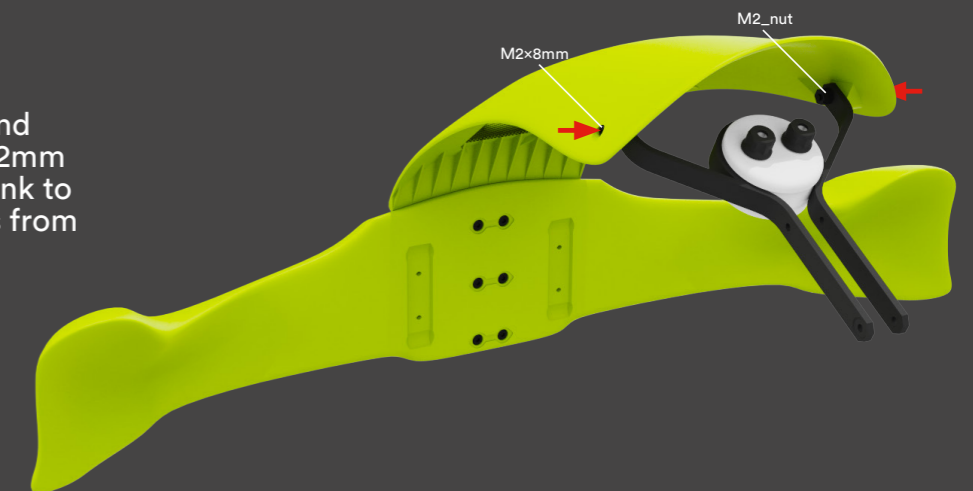
1/3 Kart addon assembly

5.

File:
-Front_bumper_4
-Front_bumper_5
-Expansion_tank
-M2_nuts

Hardware:
-M2x12mm 2x

Connect Front_bumper_4 and Front_bumper_5 with M2x12mm screws. Install Expansion_tank to its place and attach its caps from file Front_bumper_5.



6.

File:
-M2_washers

Hardware:
-M2x12mm 4x

Attach front bumper to the chassis with M2x12mm screws and washers.





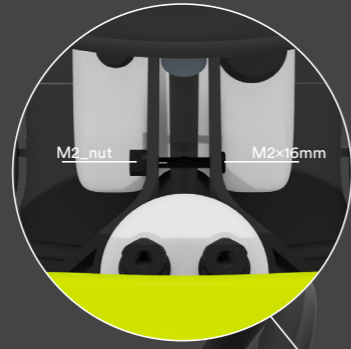
1/3 Kart addon assembly

7.

File:
-M2_nuts

Hardware:
-M2x16mm 2x

Attach front bumper to the chassis with M2x16mm screws and M2_nuts.



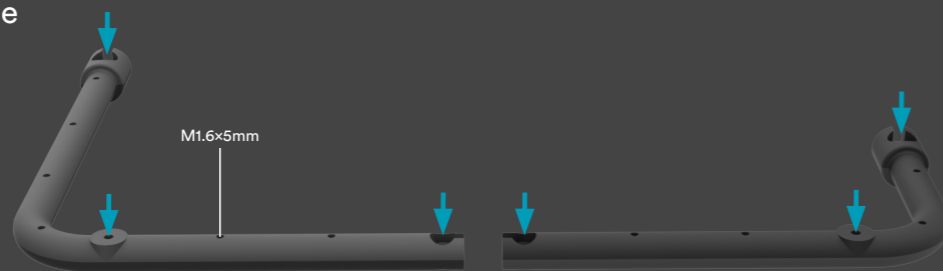
8.

File:
-Side_frame_left
-Side_frame_right

Hardware:
-M1.6x5mm 20x (both sides)

Connect parts of the side frame together with M1.6x5mm screws. Do not install screws [here](#) yet.

The procedure is the same for both the left and right sides of the side frame.



1/3 Kart addon assembly

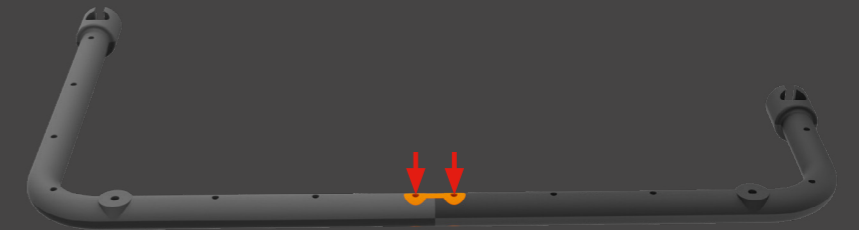
9.

File:
-Side_frame_left
-Side_frame_right

Hardware:
-M1.6x5mm 4x (both sides)

Individual tubes are connected with **connectors**. Use M1.6x5mm screws.

The procedure is the same for both the left and right sides of the side frame.



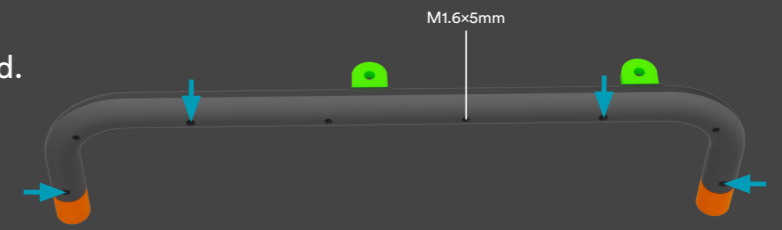
10.

File:
-Side_frame_left
-Side_frame_right

Hardware:
-M1.6x5mm 8x (both sides)

First insert **green parts**. Connect parts of the side frame together with M1.6x5mm screws. **Cylinders** are press-fitted. Do not install screws [here](#) yet.

The procedure is the same for both the left and right sides of the side frame.





1/3 Kart addon assembly

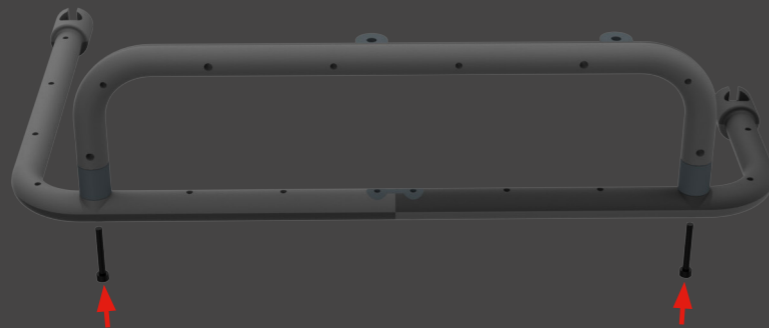
11.

File:
-Side_frame_left
-Side_frame_right

Hardware:
-M1.6x12mm 4x (both sides)

Connect upper and lower parts of the side frame together with M1.6x12mm screws.

The procedure is the same for both the left and right sides of the side frame.



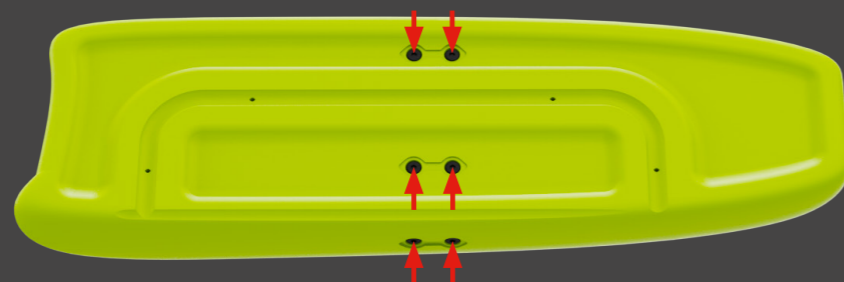
12.

File:
-Side_bumper_left_1
-Side_bumper_left_2
-Side_bumper_right_1
-Side_bumper_right_2

Hardware:
-M2x12mm 12x (both sides)

Connect parts of the side bumper together with M2x12mm screws.

The procedure is the same for both the left and right sides of the side bumper.



1/3 Kart addon assembly

13.

File:
-Side_frame_left
-Side_frame_right
-Side_bumper_left_1
-Side_bumper_left_2
-Side_bumper_right_1
-Side_bumper_right_2

Hardware:
-M1.6x12mm 8x (both sides)

Connect side bumper to the side frame. Use M1.6x12mm screws.

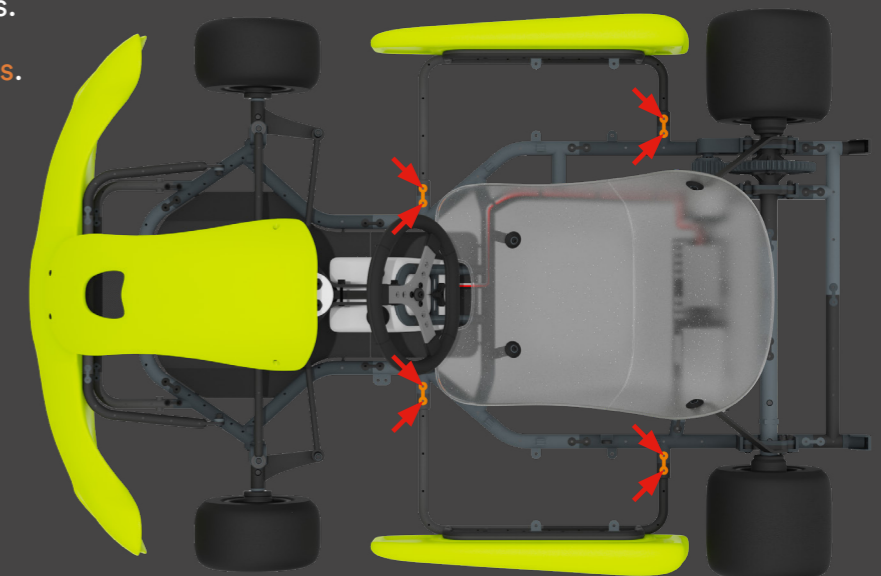
The procedure is the same for both the left and right sides.



14.

Hardware:
-M2x8mm 8x (both sides)

Connect side bumpers to the chassis. Use M2x8mm screws. Individual tubes are connected with **connectors**.





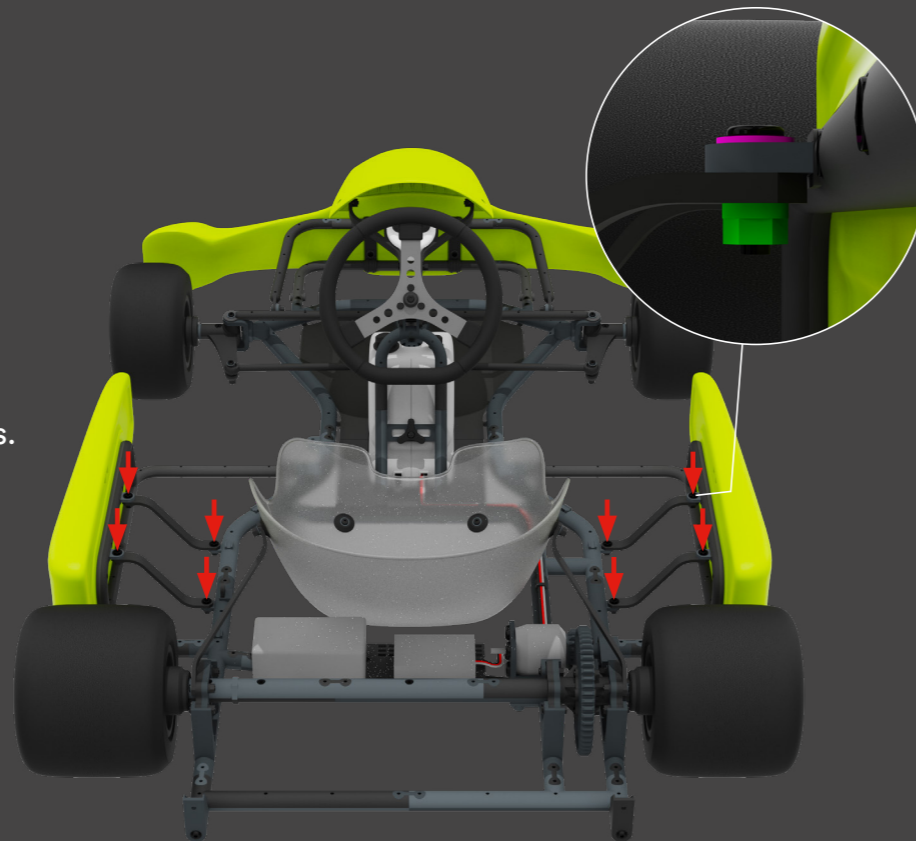
1/3 Kart addon assembly

15.

File:
-M2_washers
-M2_nuts

Hardware:
-M2x8mm 8x (both sides)

Attach side frame parts to the chassis.
Use **M2_nuts** and **M2_washers**.

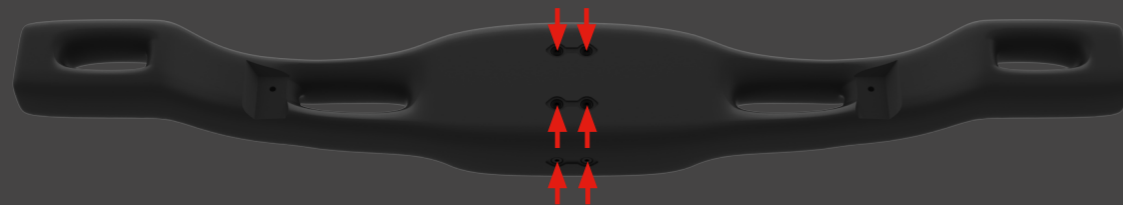


16.

File:
-Rear_bumper_1

Hardware:
-M2x12mm 6x

Connect parts of the rear bumper together with M2x12mm screws.



1/3 Kart addon assembly

17.

File:
-Rear_bumper_1
-Rear_bumper_2_plate

Hardware:
-M1.6x5mm 2x

Attach rear plate to the rear bumper with M1.6x5mm screws.



18.

File:
-M2_nuts

Hardware:
-M2x12mm 2x

Attach rear bumper to the chassis with M2x12mm screws and **M2_nuts**.

Your new addon is finished and ready for the first run!

Feel free to share your builds, experiences, tips, photos or videos and ideas with fellow makers on our community facebook page. Link below. Thank you!

