

1/10 Sim Racing Cockpit

Build guide

This is a brief manual to show how to mount all the different printed parts.

Some files have a "2x" in the name. That means that you would need to print 2 copies of that model.

All parts have been placed to be easier to print.

Additional Parts

Paper clip

You can use small rods made out of a paper clip to fix both servos.

Screws

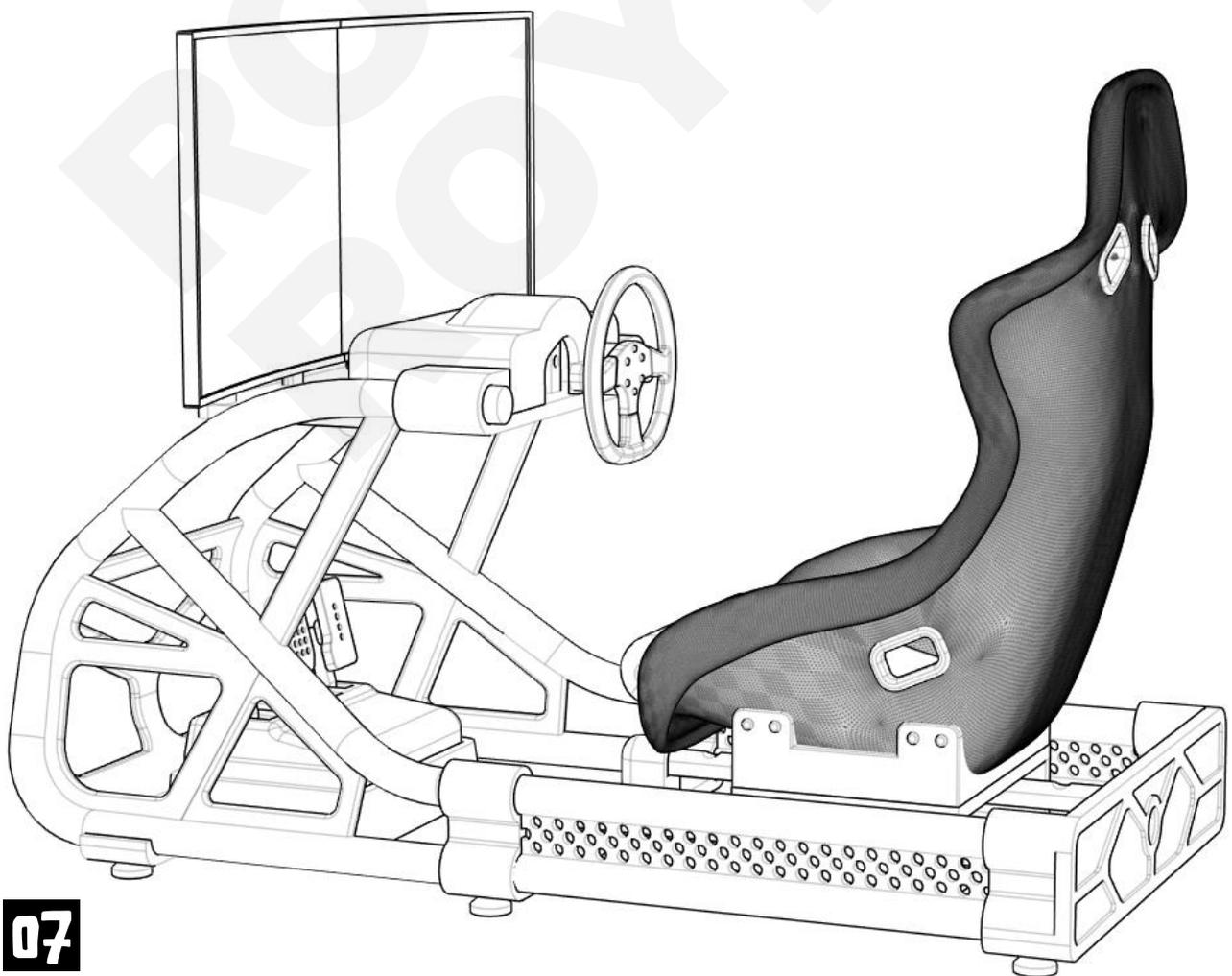
2 × 3mm 1M screws for the steering wheel servo.

Micro servo 2g

There are two different and valid options:

<https://aliexpress.com/item/1005006147359728.html>

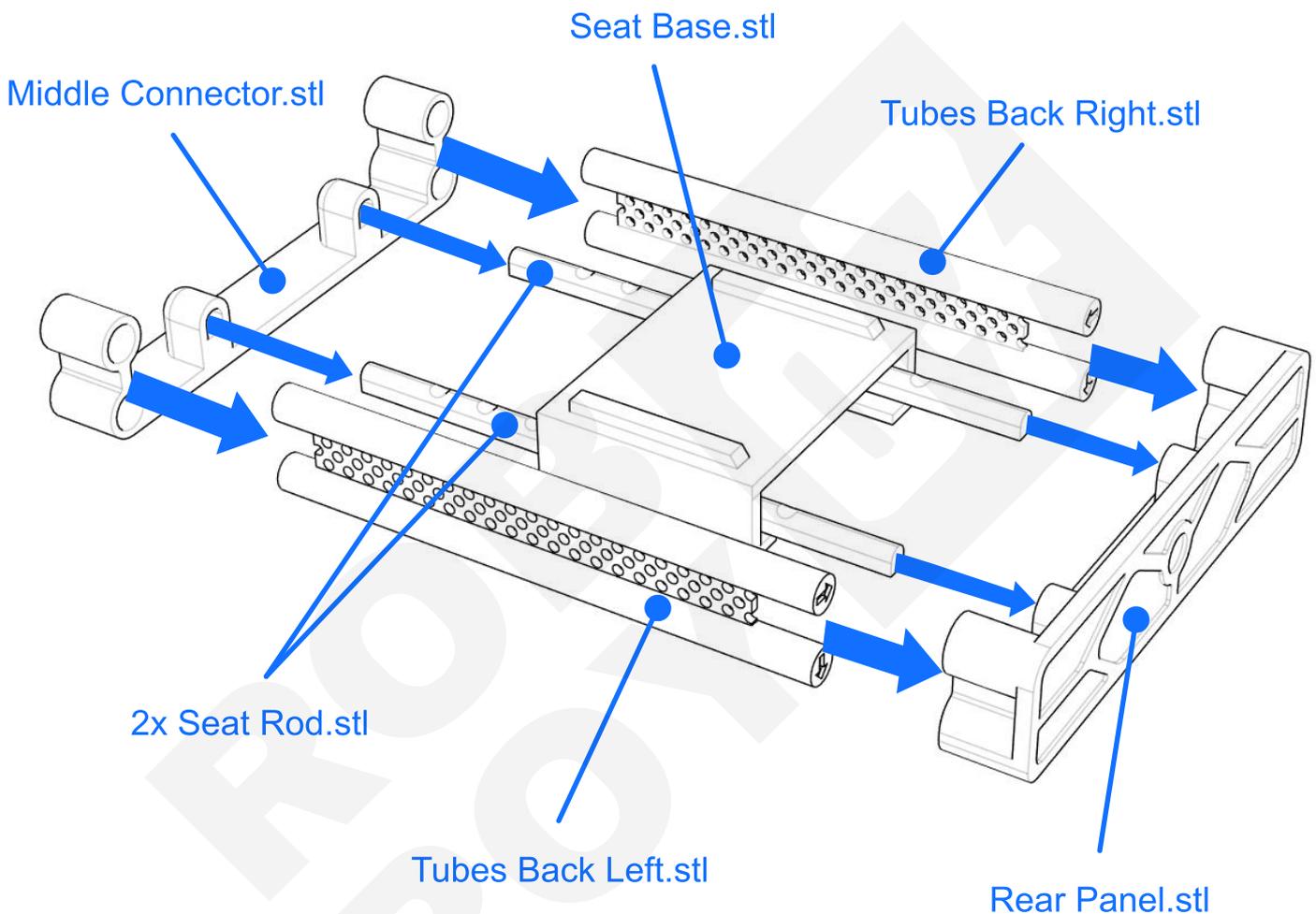
<https://aliexpress.com/item/1005005196721833.html>



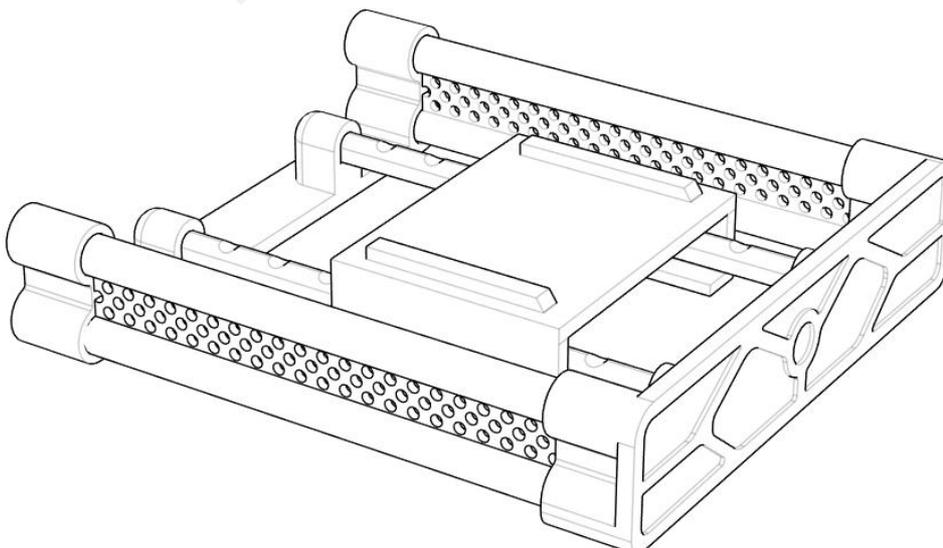
STEP 1

We will start mounting rear part of the cockpit. Insert the "2x Seat Rod.stl" printed pieces in the "Rear Panel.stl" piece. Then do the same with "Tubes Back Left.stl" and "Tubes Back Right.stl". Please take into account the arrows to put them correctly.

Place the "Seat Base.stl" printed part in the correct position as seen in the picture and finally put the "Middle Connector.stl" to keep everything in the correct position.

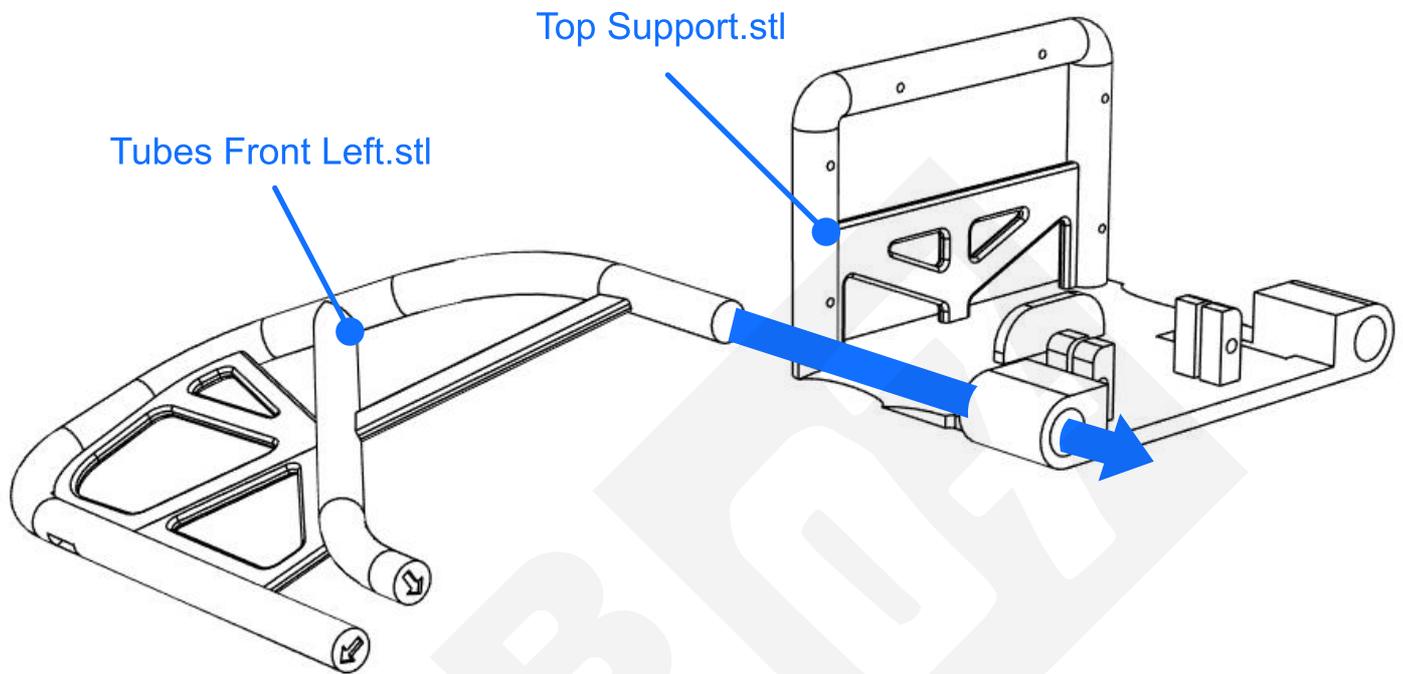


When you finished the first step it should look like this:

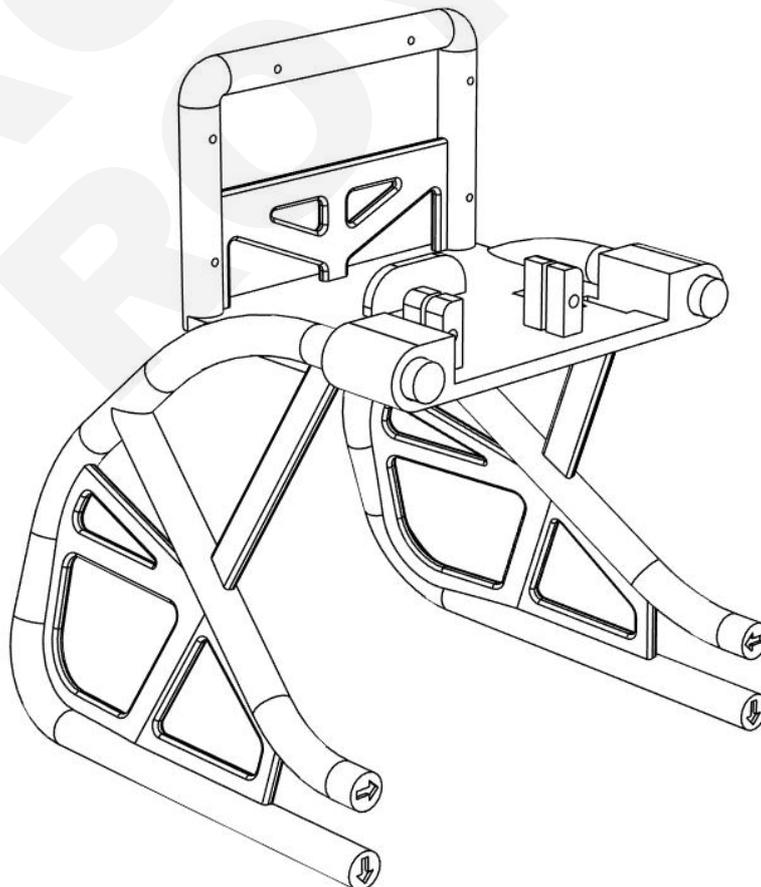


STEP 2

Now it is time to work on the front part of the cockpit. Take the "Tubes Front Left.stl" printed piece and insert it into the Top Support. Do it tilting the piece to put it in the right position. Notice the position of the arrows to select the correct piece for each side.

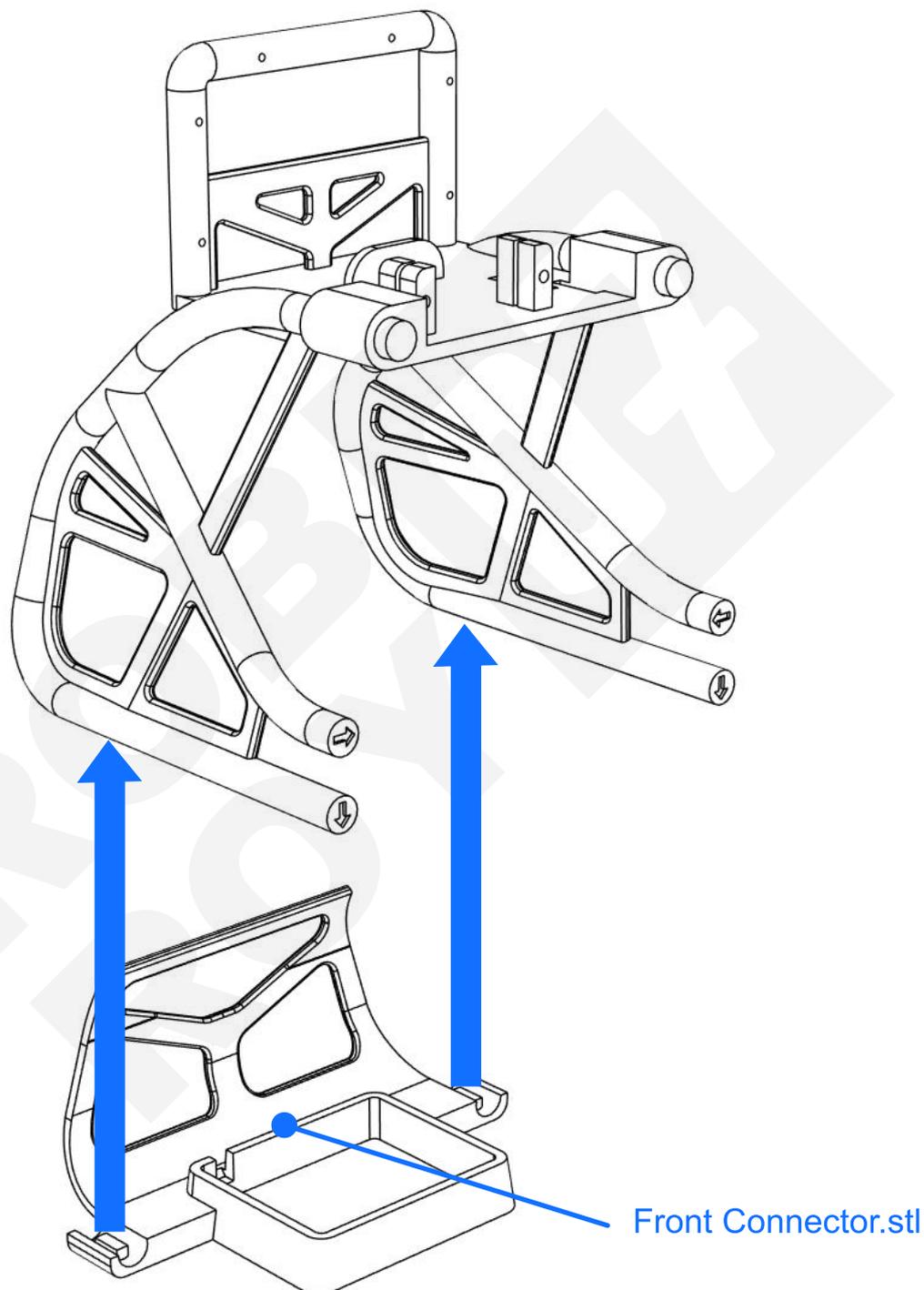


Do the same with the other side. It should look like this:



STEP 3

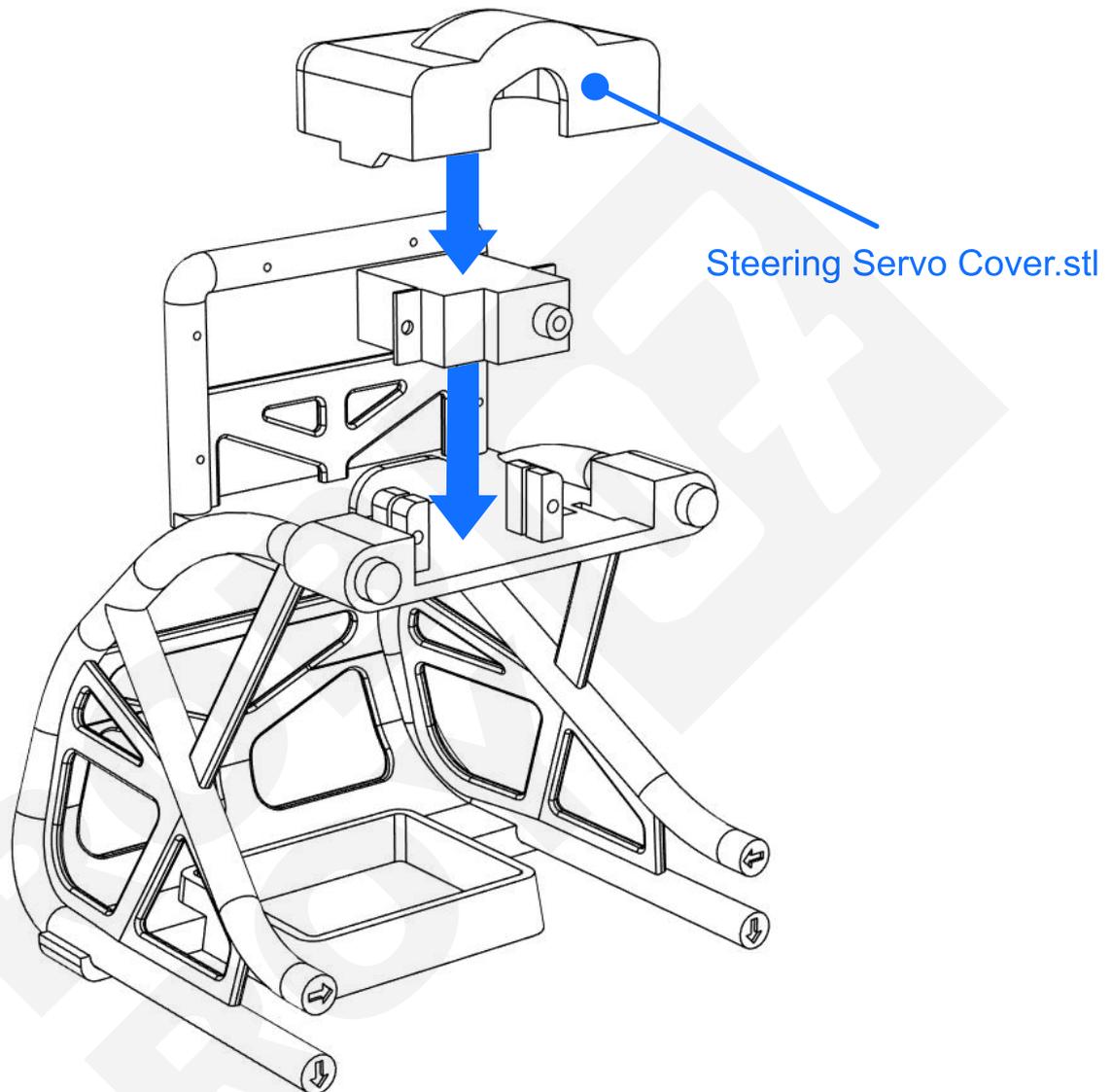
Use the "Front Connector.stl" printed part to connect both of the front tubes. That way the whole structure it will remain in the correct position.



STEP 4

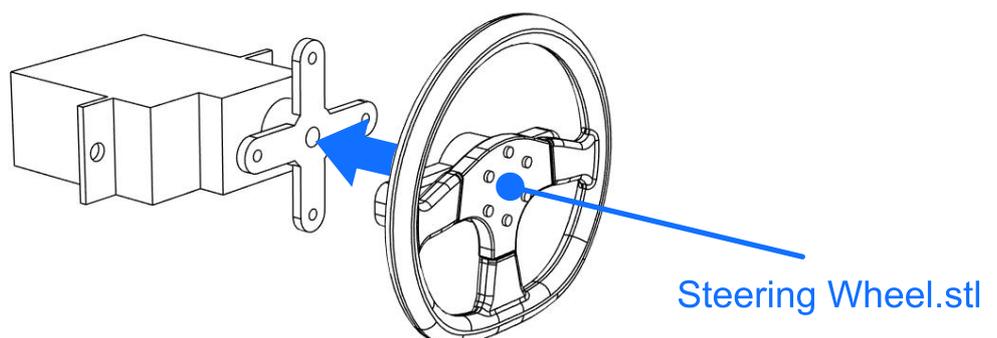
Put the servo in the marked area. You can use double sided tape or rods made out of paper clips to prevent movements. There is a small hole that you will need to pass the wire through the model.

Once you have the servo in its right place you can hide it with the cover.



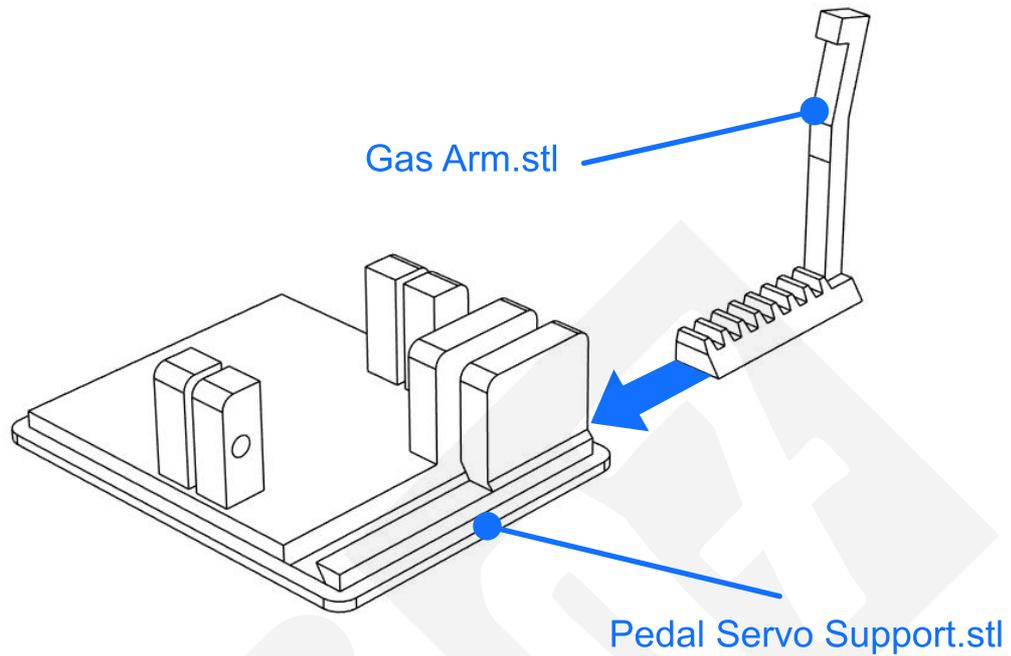
STEP 5

Use the cross included with the servo. Then take 2 x M1 3mm screws and join the steering wheel with the servo.



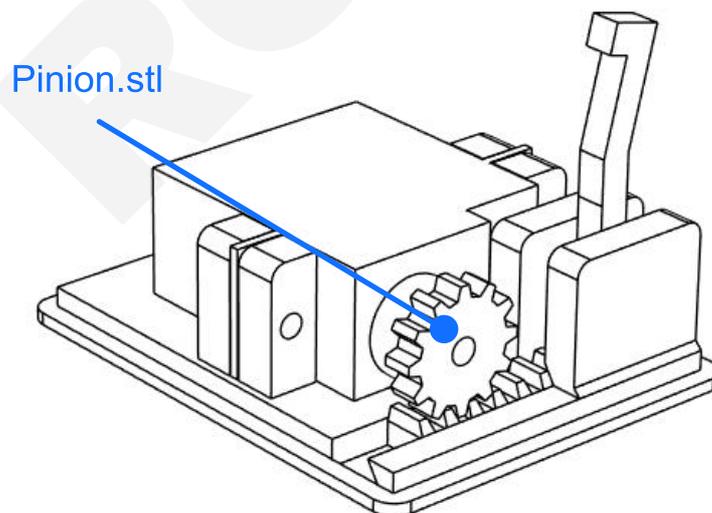
STEP 6

We will start with the pedals. The "Gas Arm.stl" printed piece allows the gas pedal to move when the servo moves. Put it in the marked place sliding it from the side of the support.



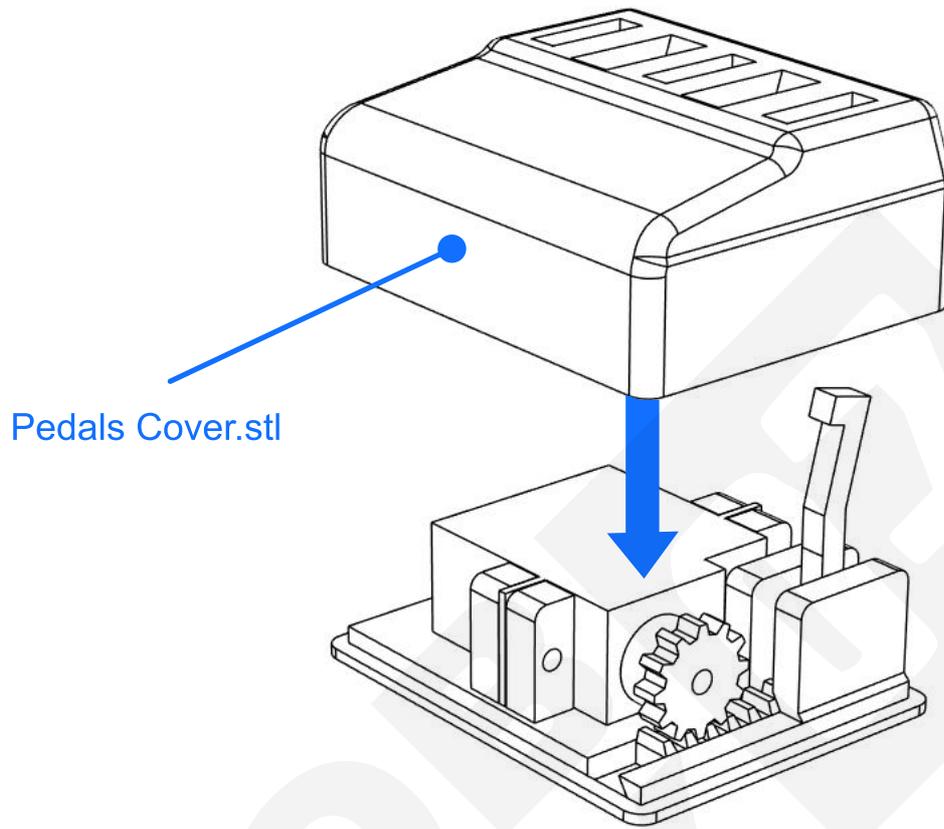
STEP 7

Insert the pinion in the servo and before you place it on the arm turn the servo on and move it to one of the sides (the one you simulate that the gas pedal is being used). Then carefully move the arm and put it touching the pinion with the second tooth.



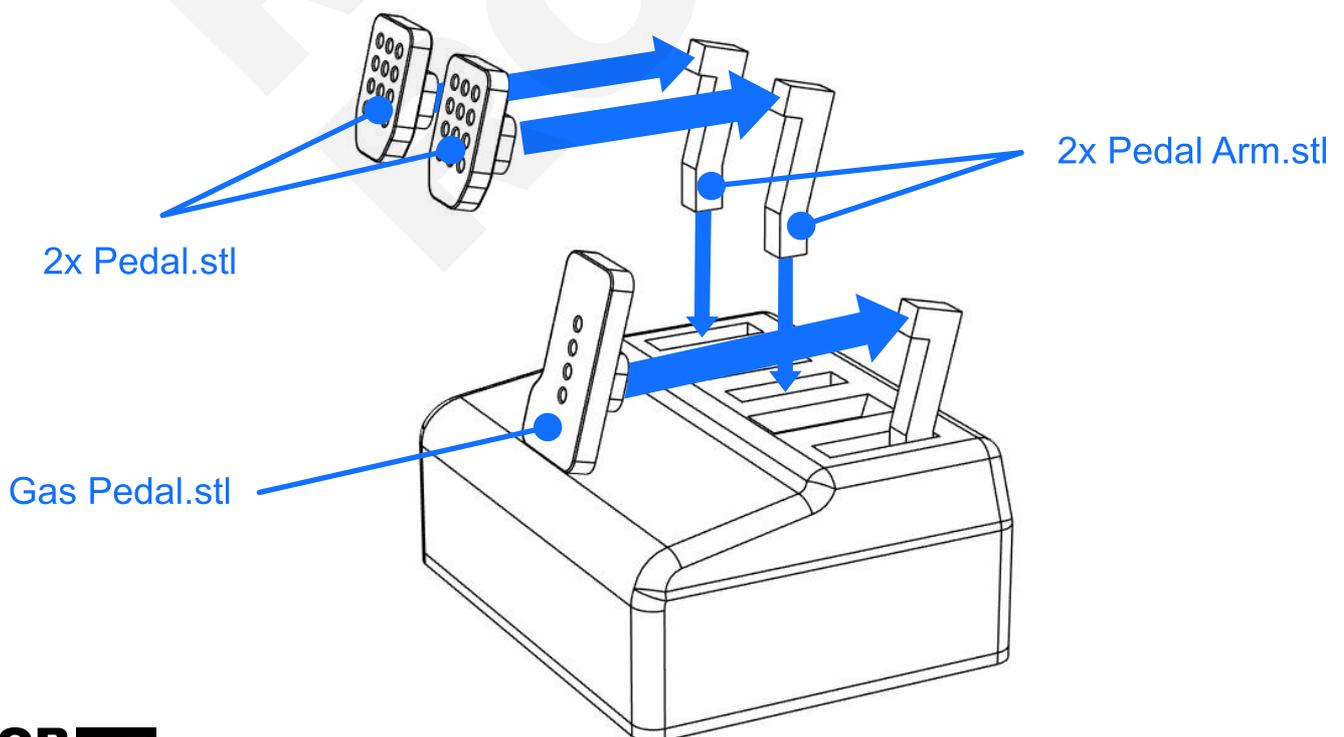
STEP 8

Cover the servo. This will allow us to add the other static pedals in the next step.



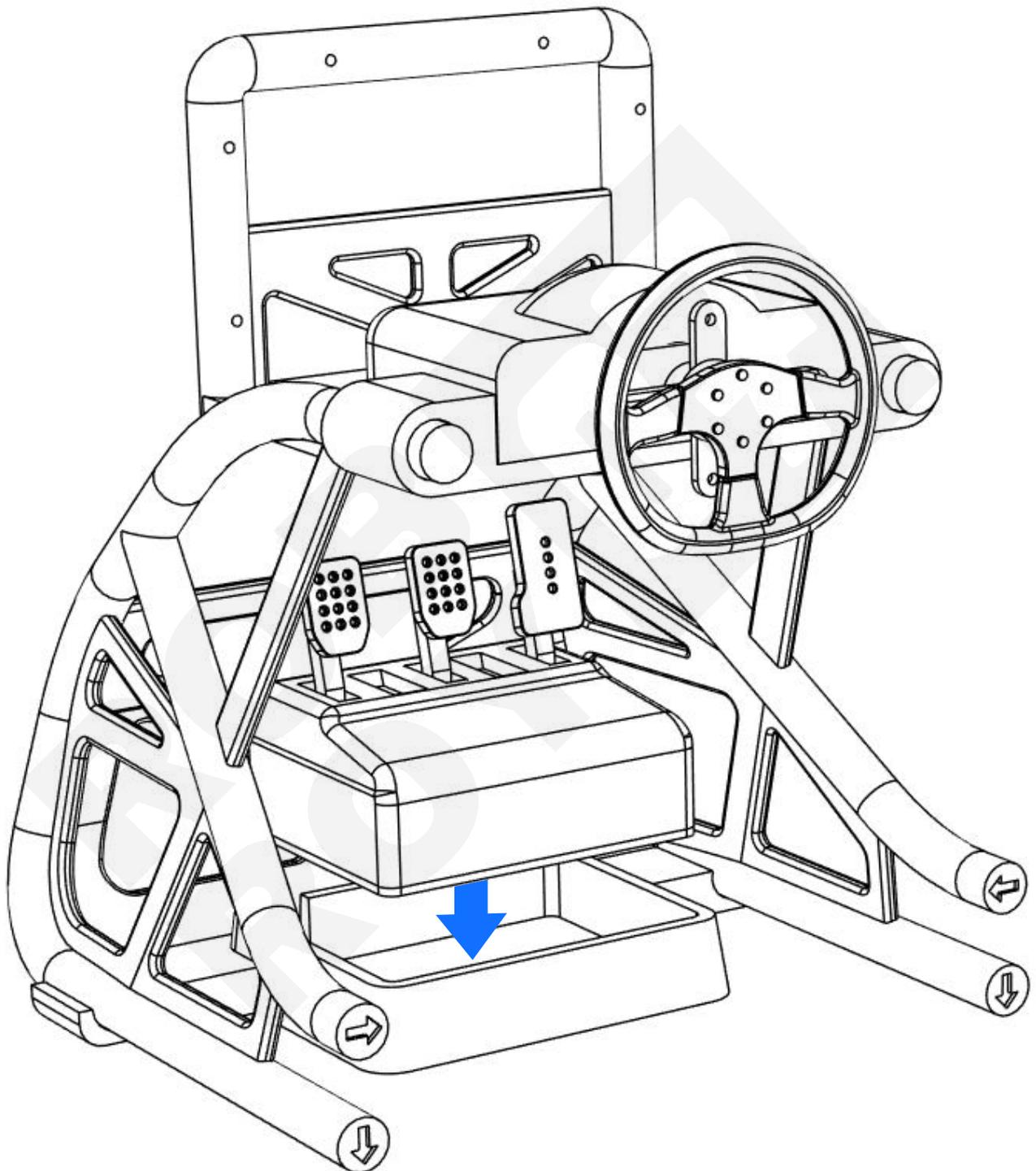
STEP 9

Add the pedals to the arms and insert the static arms in the cover.



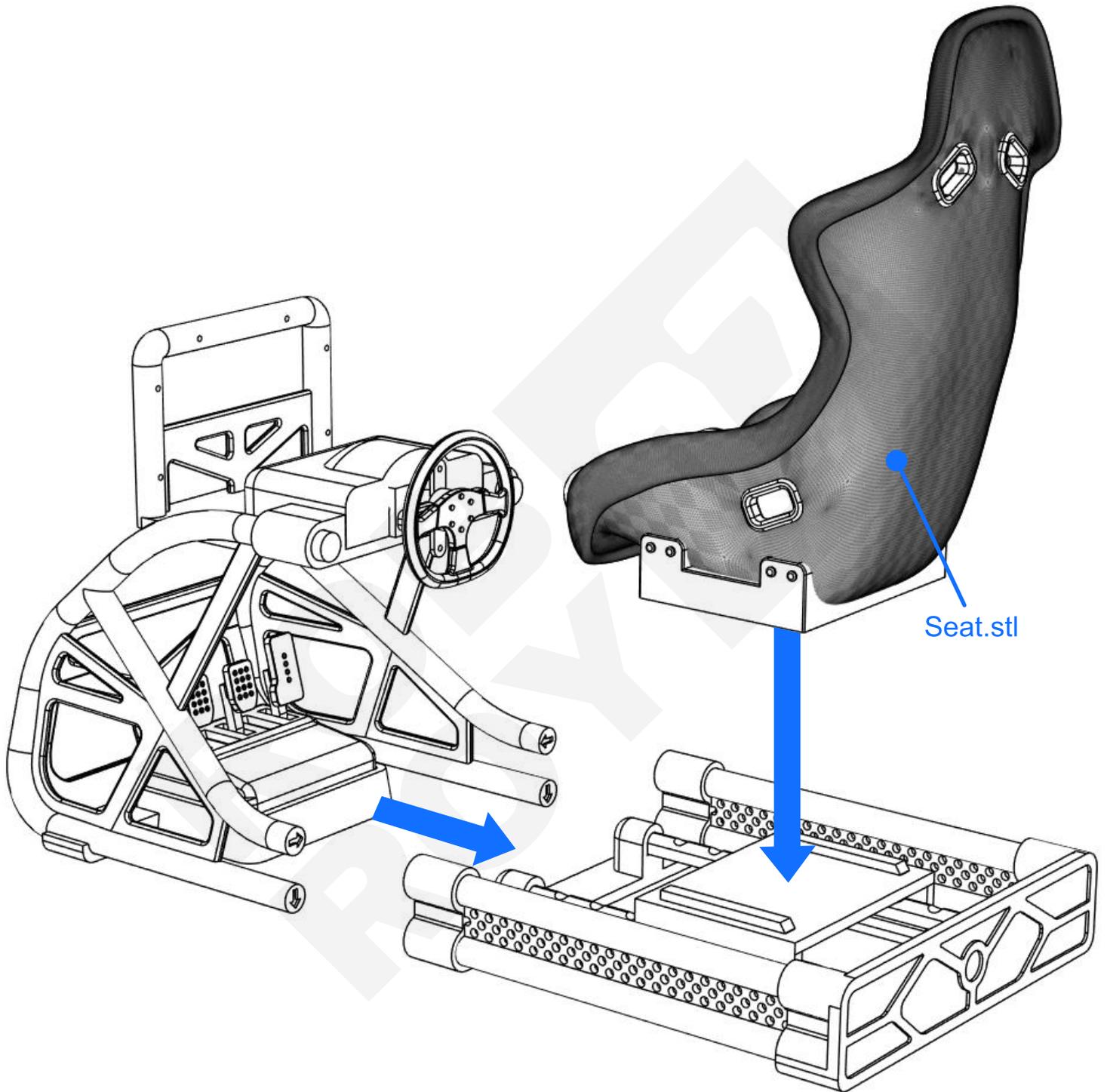
STEP 10

Insert the pedals in its final position. There is a small gap you can use for the servo wires.



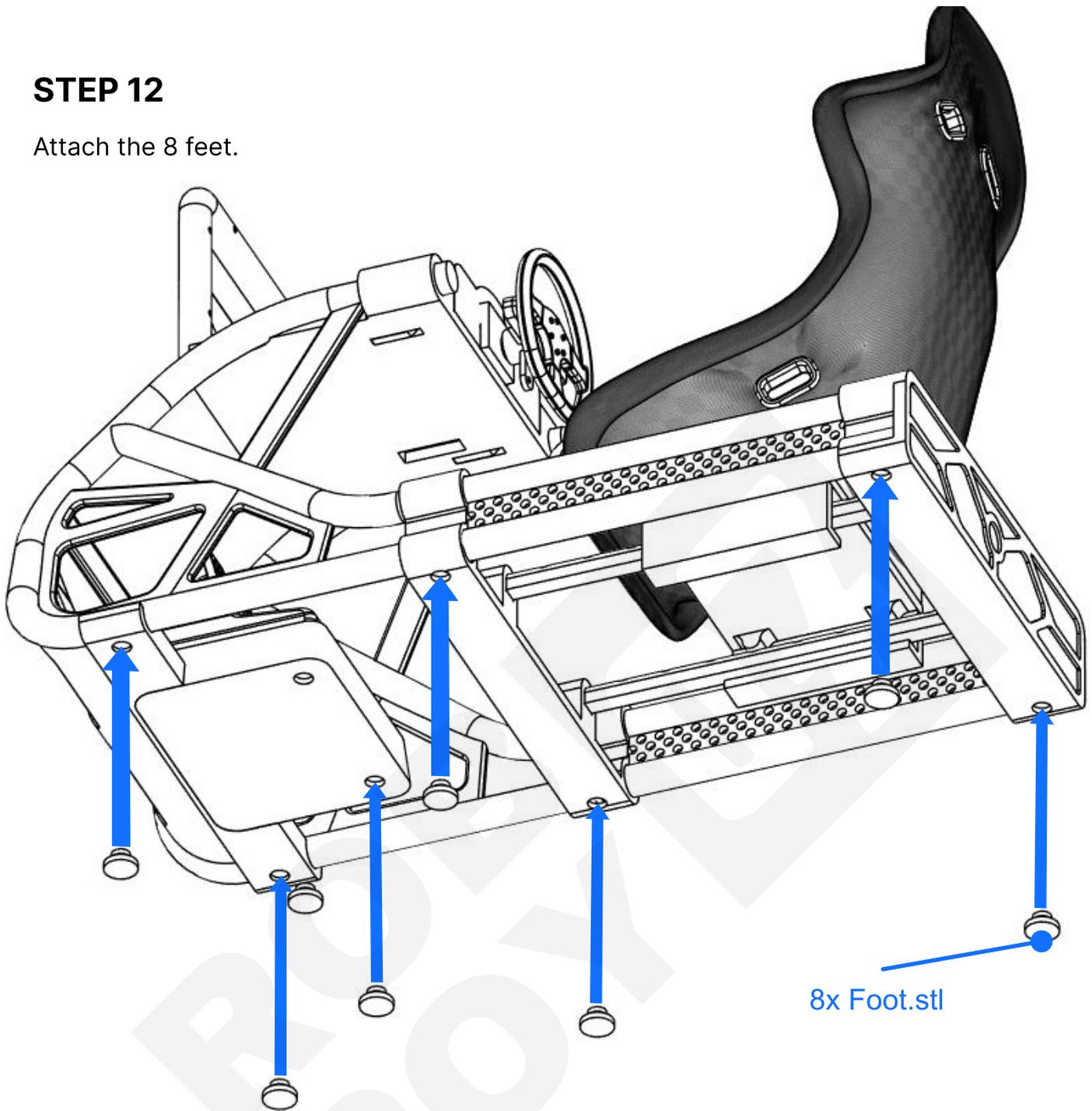
STEP 11

Join both structures and the seat. Use double sided tape or glue to fix the seat to the base.



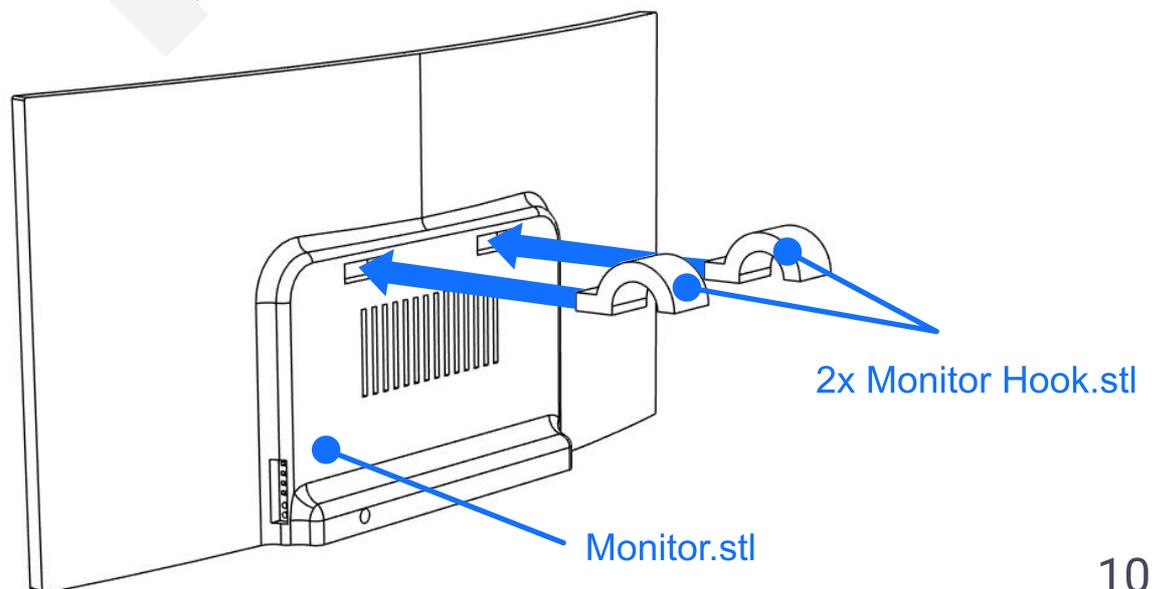
STEP 12

Attach the 8 feet.



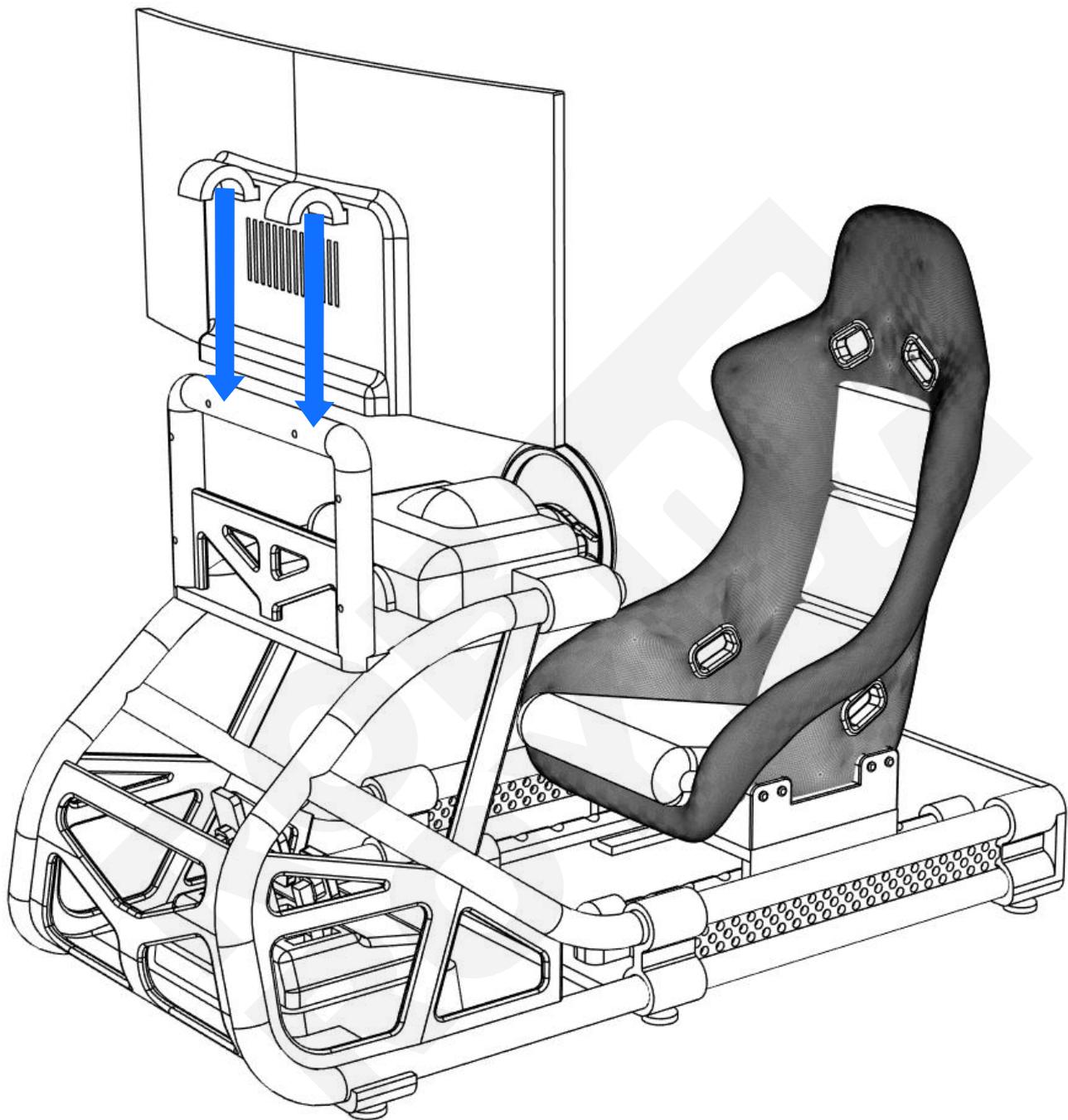
STEP 13

Attach the 2 hooks to the rear part of the monitor.



STEP 14

Last step: put the monitor on top of the cockpit.



[Need some help?](#)

Contact me

If you are stuck with the build, if you have any doubts or questions, or just want to share with me how it turned out, feel free to contact me on Instagram:

<https://www.instagram.com/robroyrc/>

