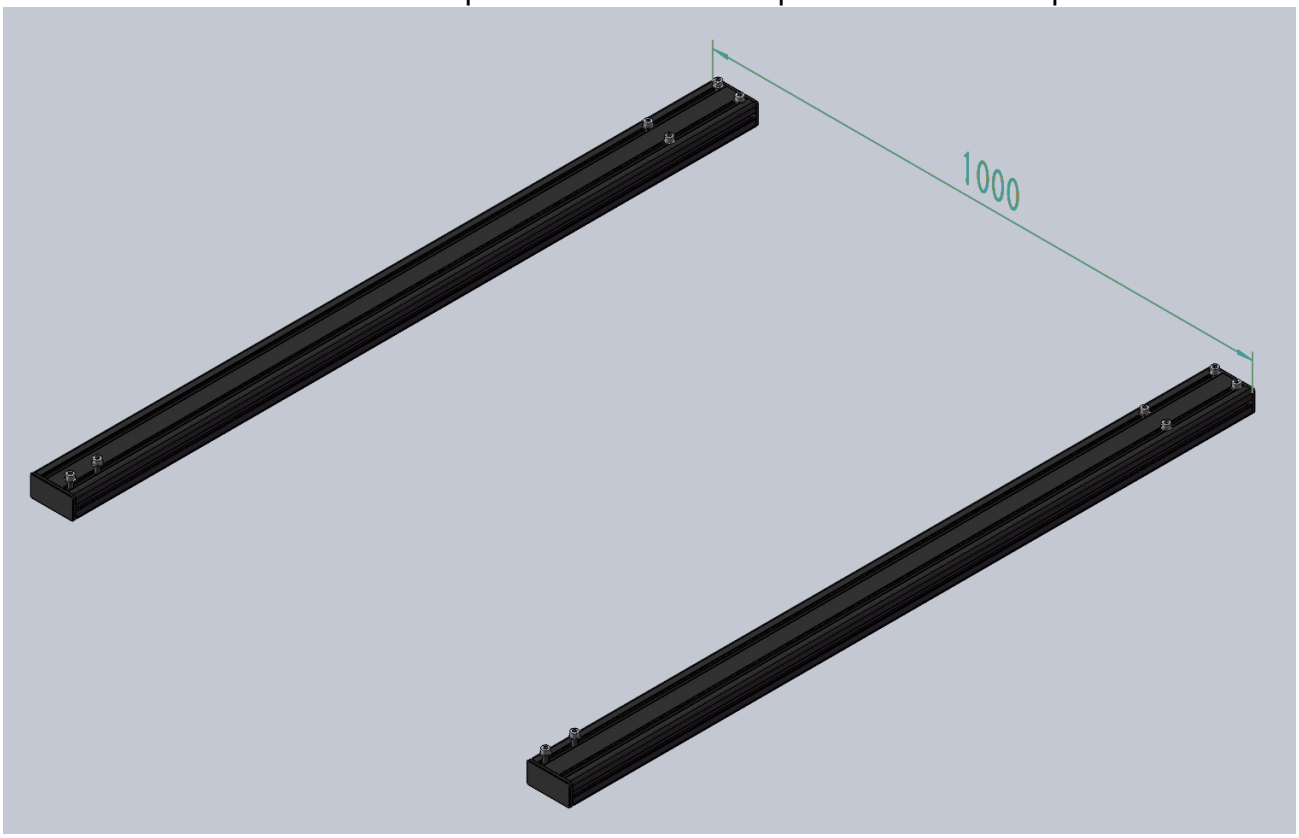
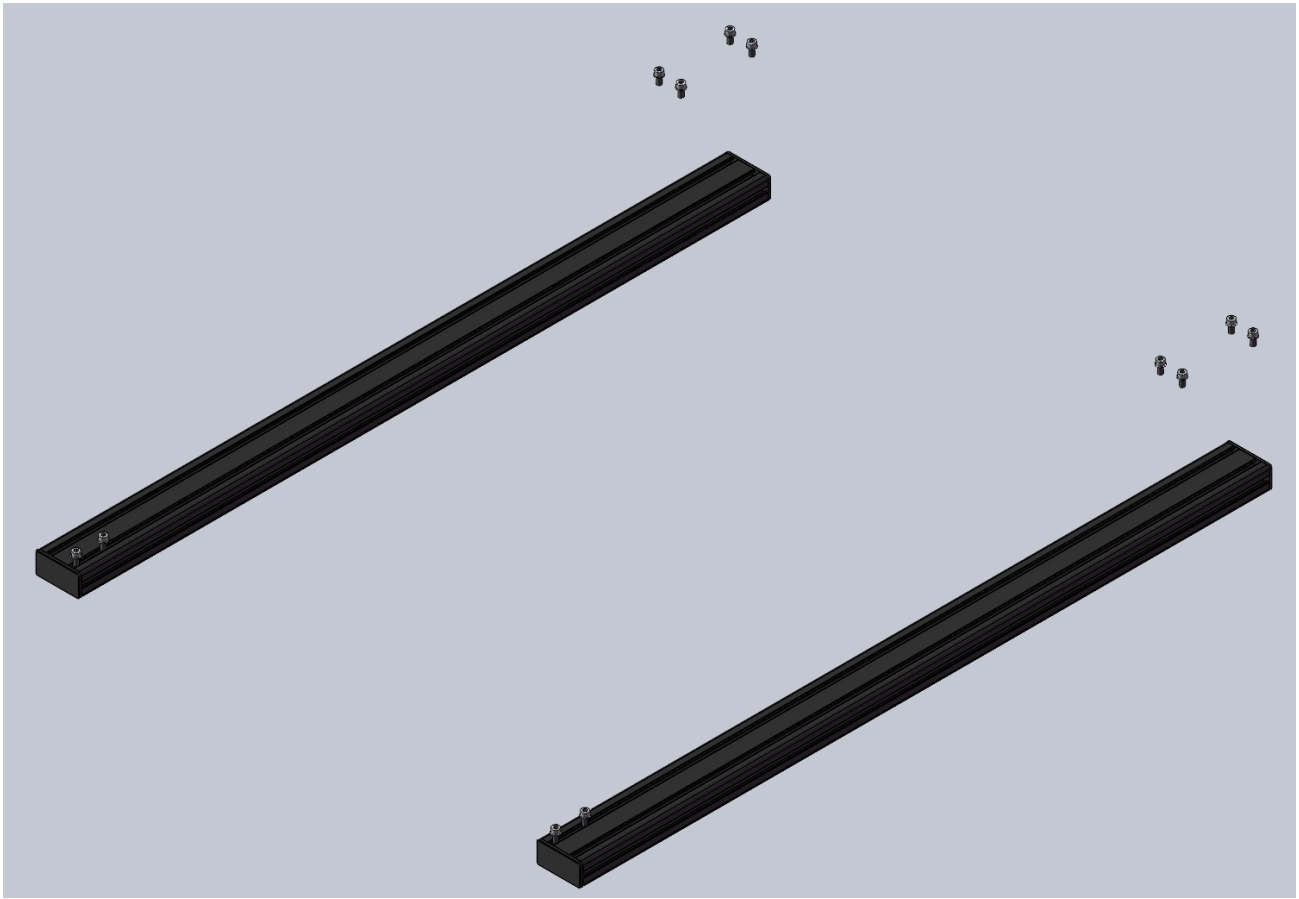
Step 1.

Put the two 4080 AL base beam profile on the suitable place as the below pic:

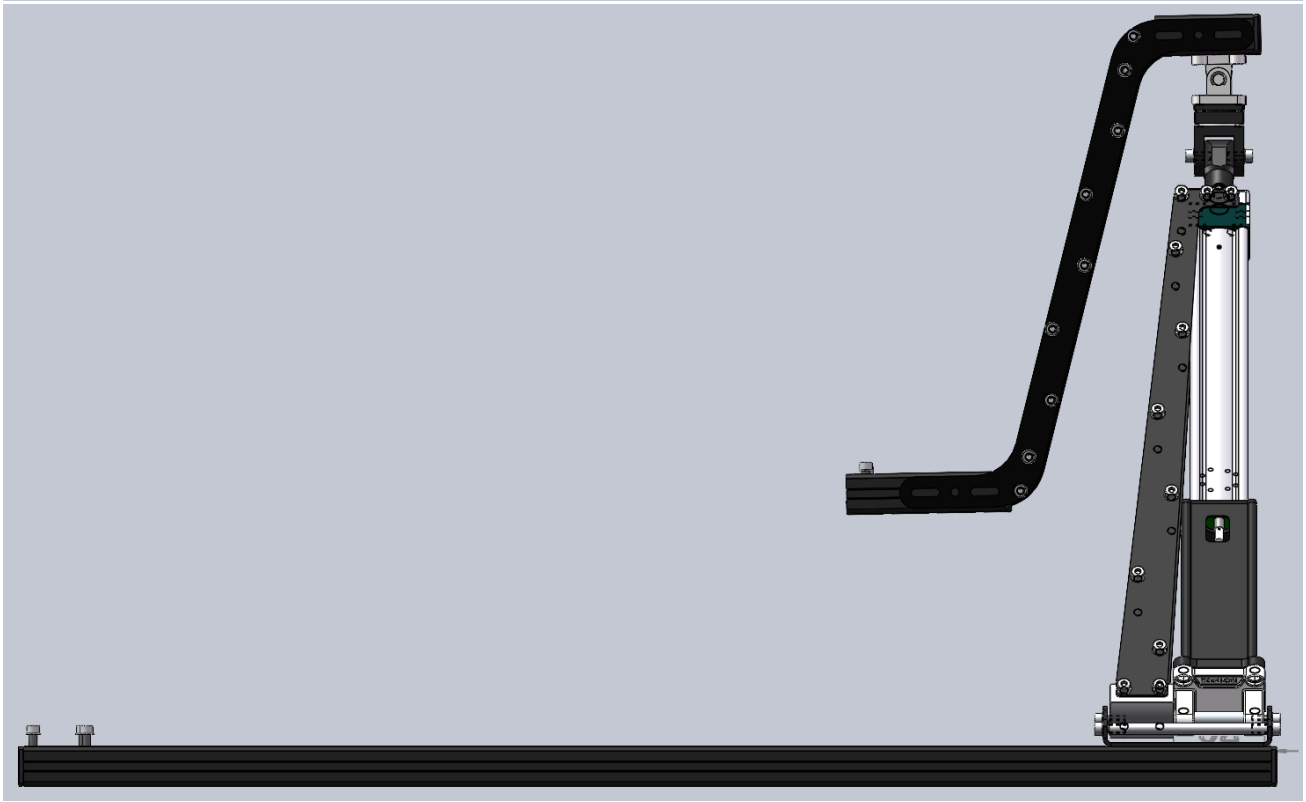


Take out the included L-shaped hexagon wrench and Loosen the eight M8X16 mounting screws as shown below:



Step 2.

Place the rear motion module as shown below:



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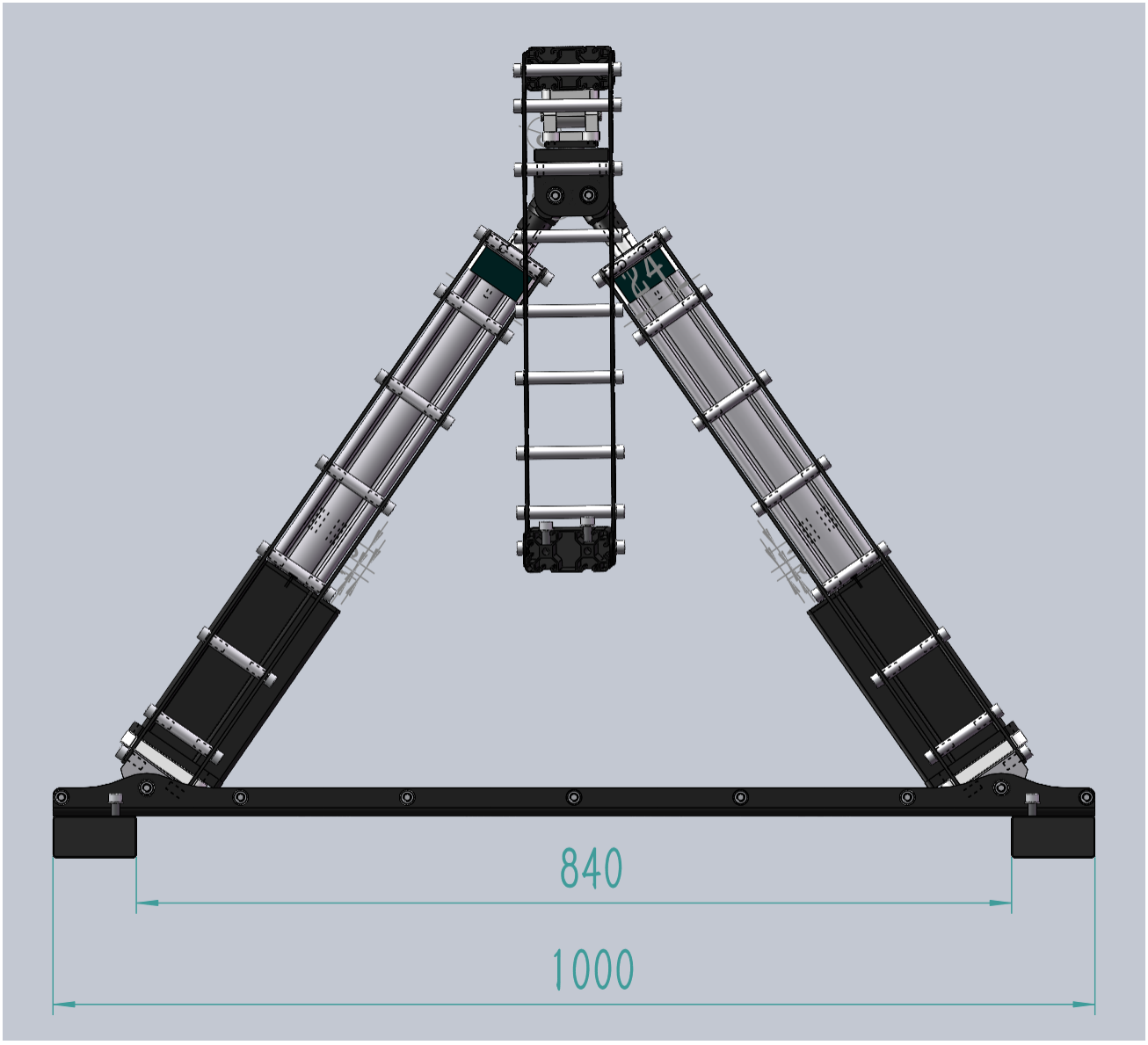
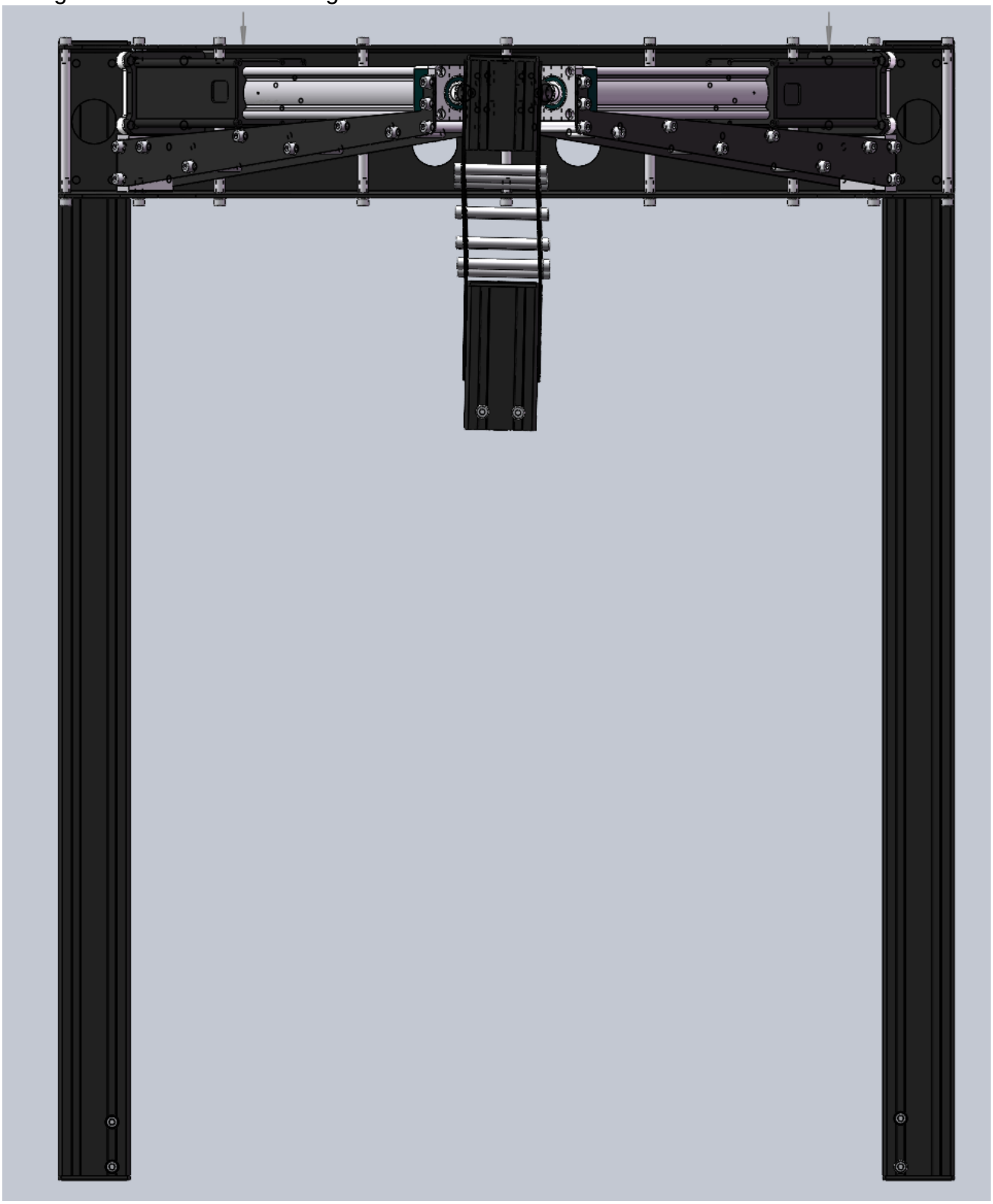
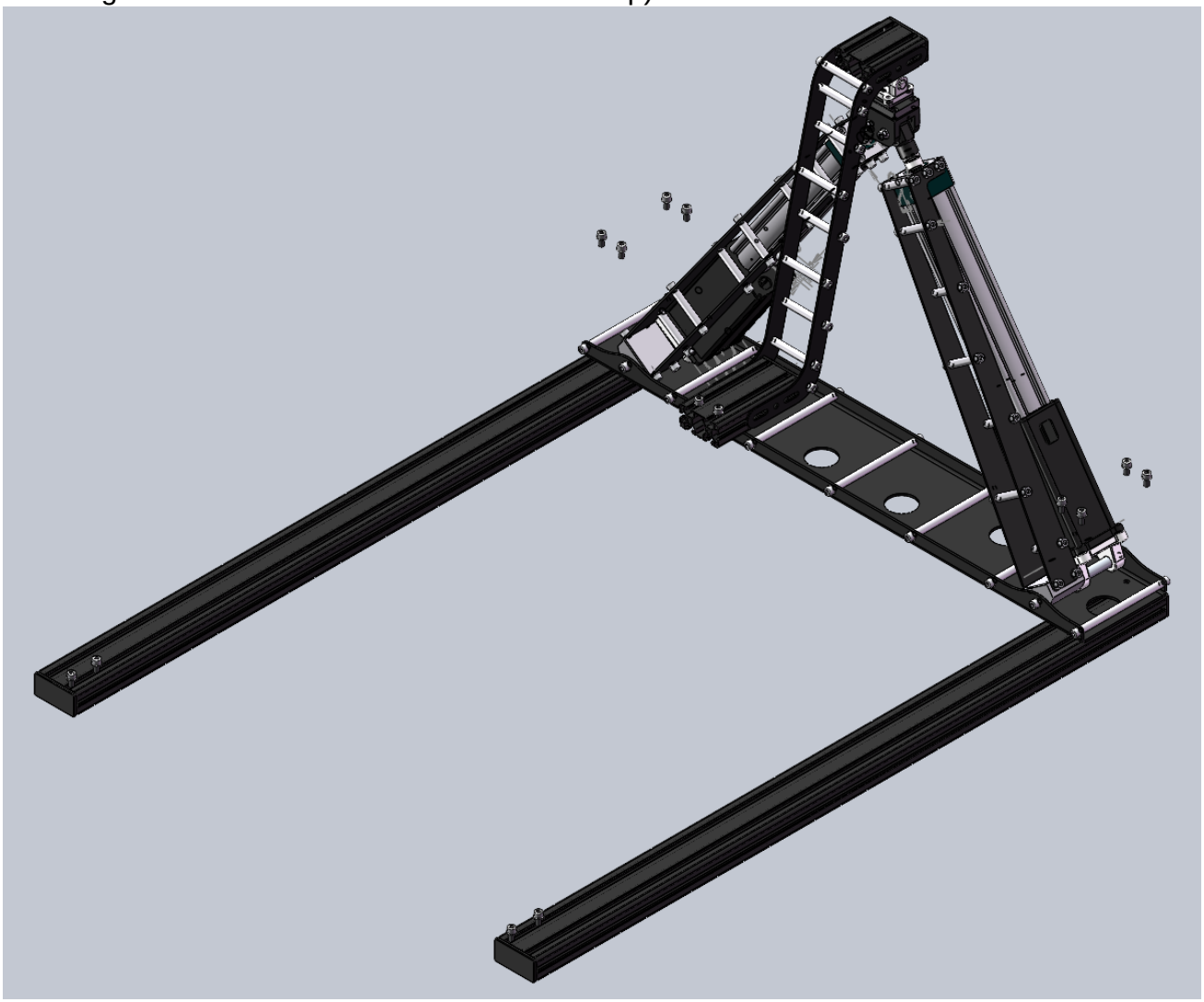


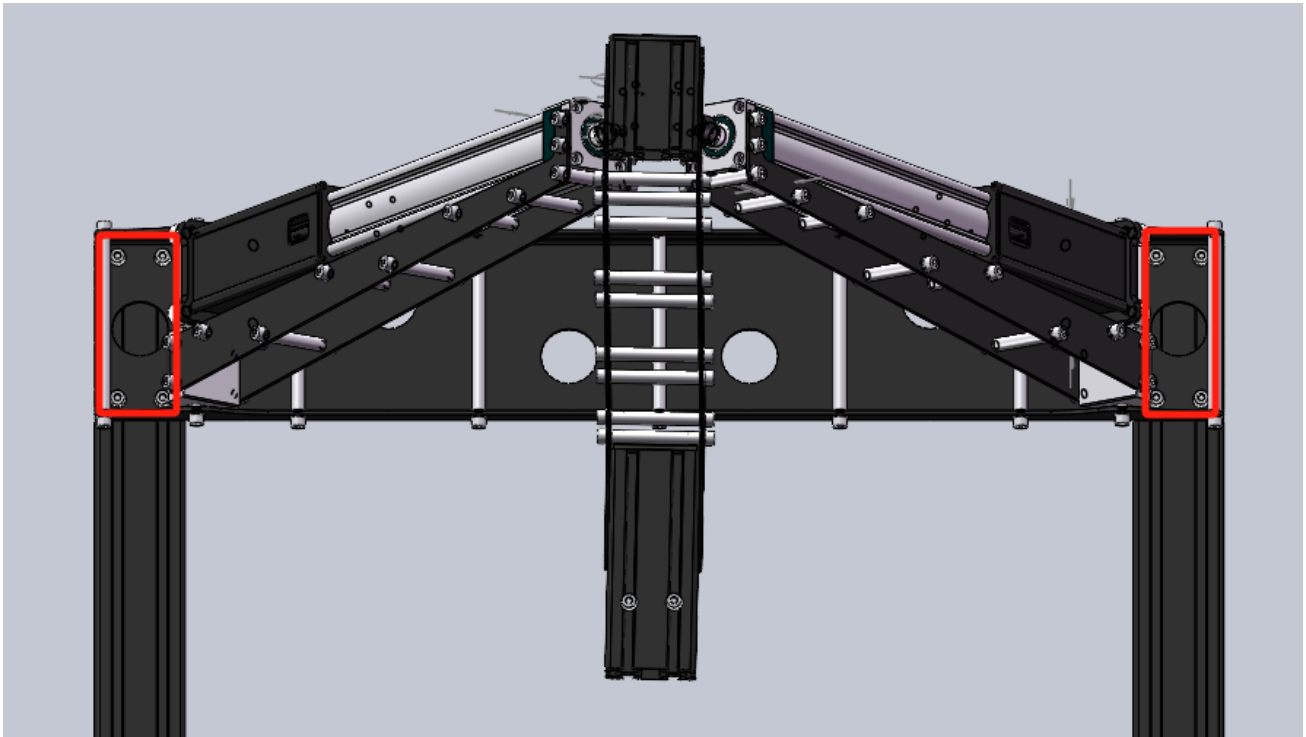
Adjust the positions of 8 slider nuts in the groove of two 4080 aluminum base beam profile to align them with the mounting holes of the rear motion module:



Gently screw the 8 previously loosened M8X16 mounting screws together with cushions into the corresponding 8 mounting holes to fix the rear motion module (Note: Please do not tighten the screws for now, so as to avoid being unable to make adjustments when installing the front motion module in the next step)

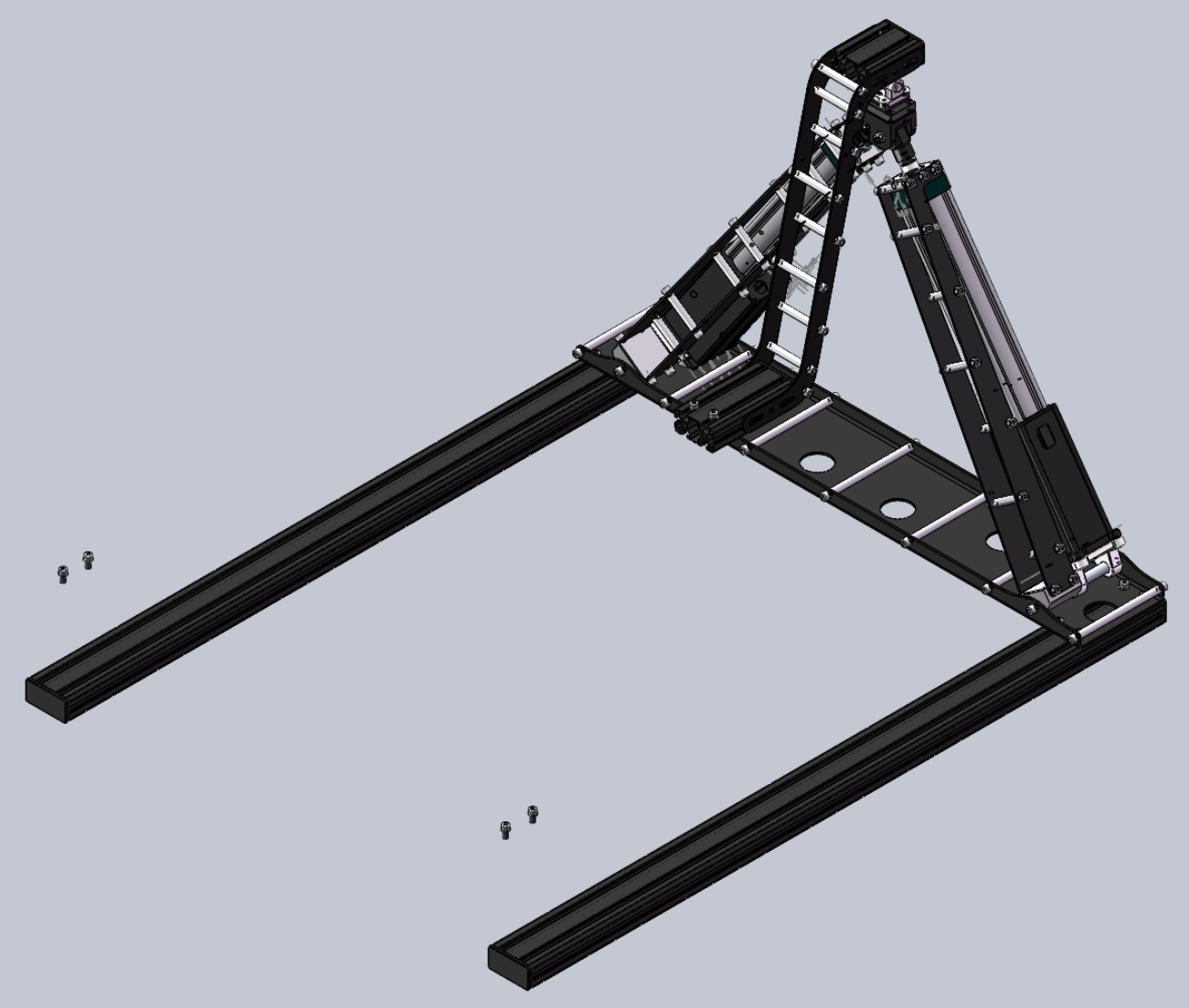


After done:

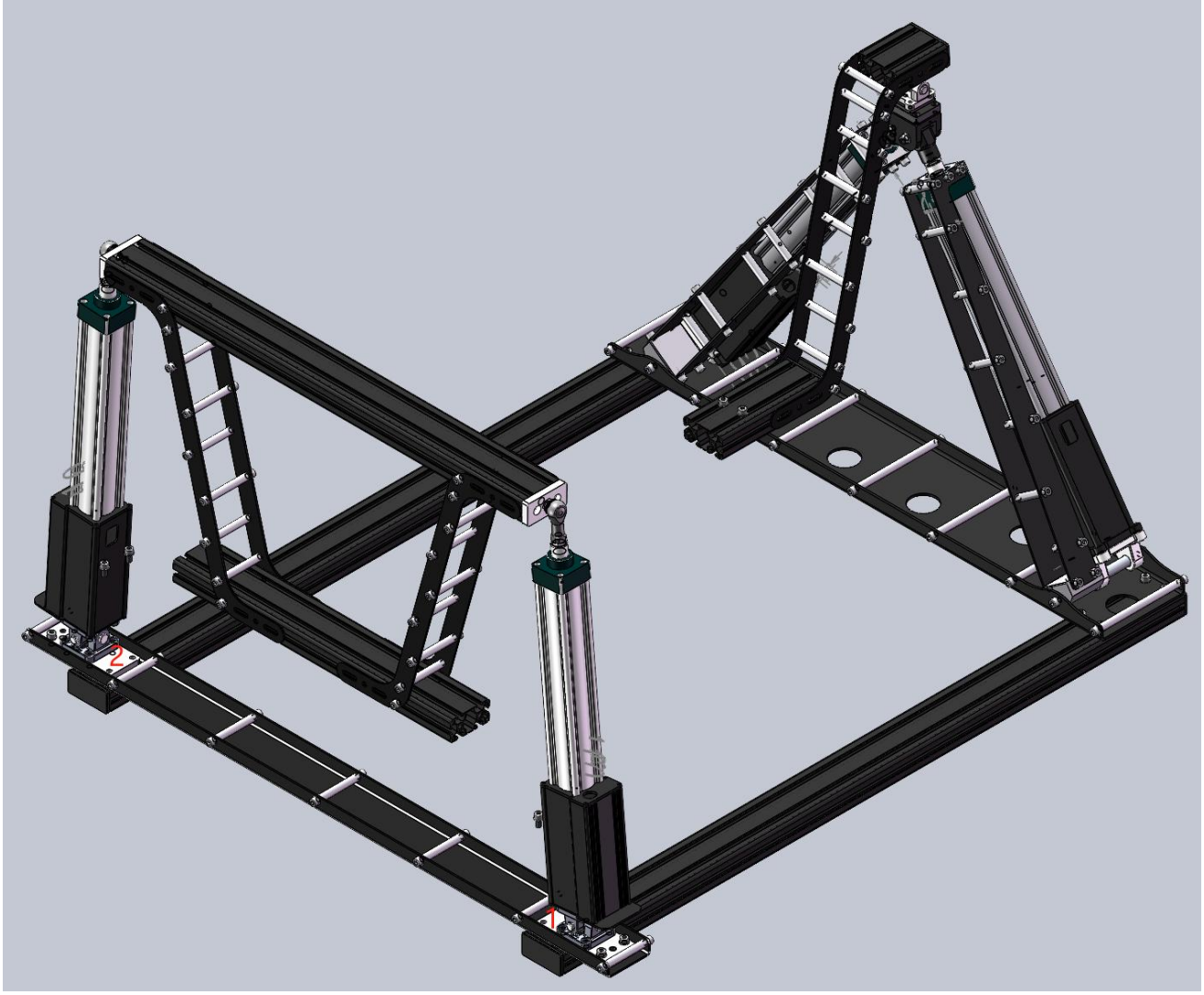


Step 3.

Loosen the four M8X25 mounting screws as shown below:



Place the front motion module as shown below(Ask another person to hold the front motion module to prevent it from tipping over and causing damage. Make sure that the red numbers 1 and 2 in the figure below correspond to actuator 1 and 2. You can find the corresponding numbers on the silver mounting base or inside the blue cover of the actuator wiring port. If the red numbers in the figure below do not correspond to the silver mounting base or the numbers on the actuator, rotate the front actuator module 180 degrees and reposition it.)



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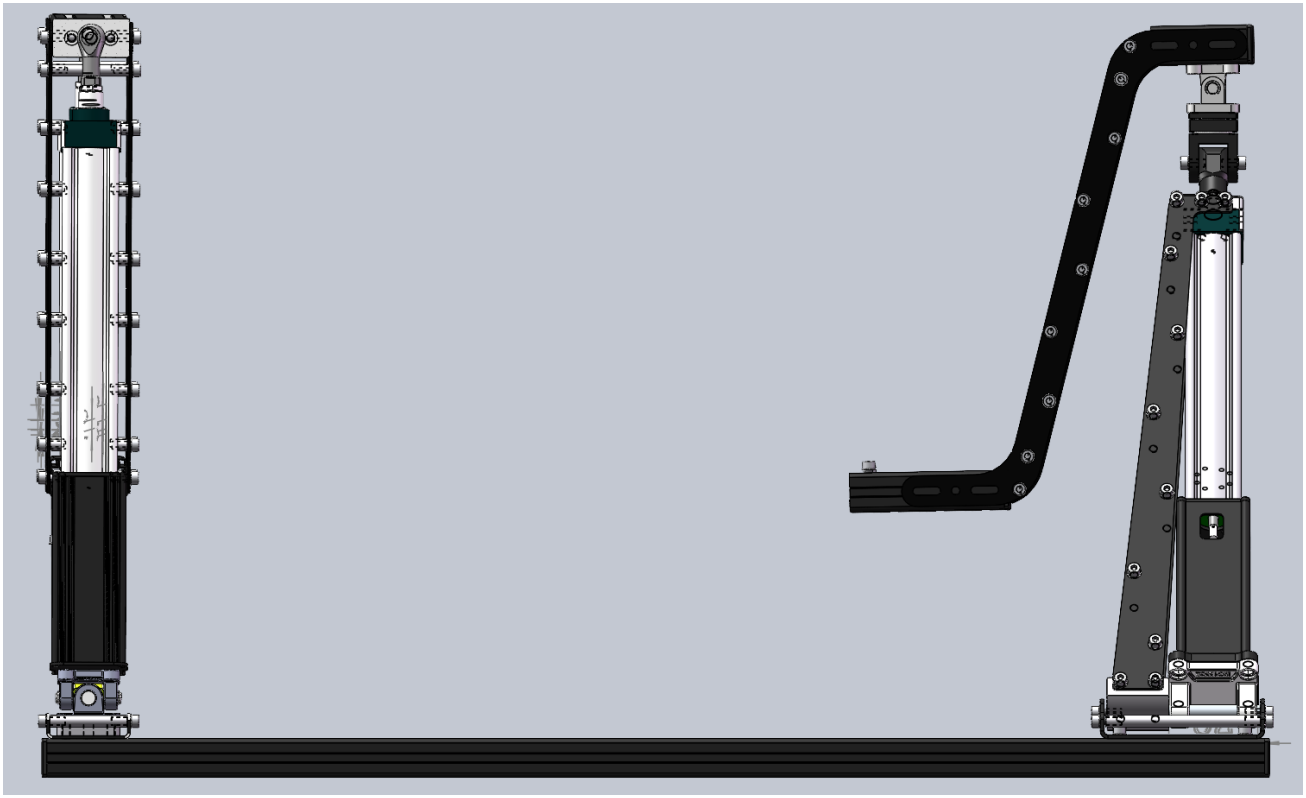
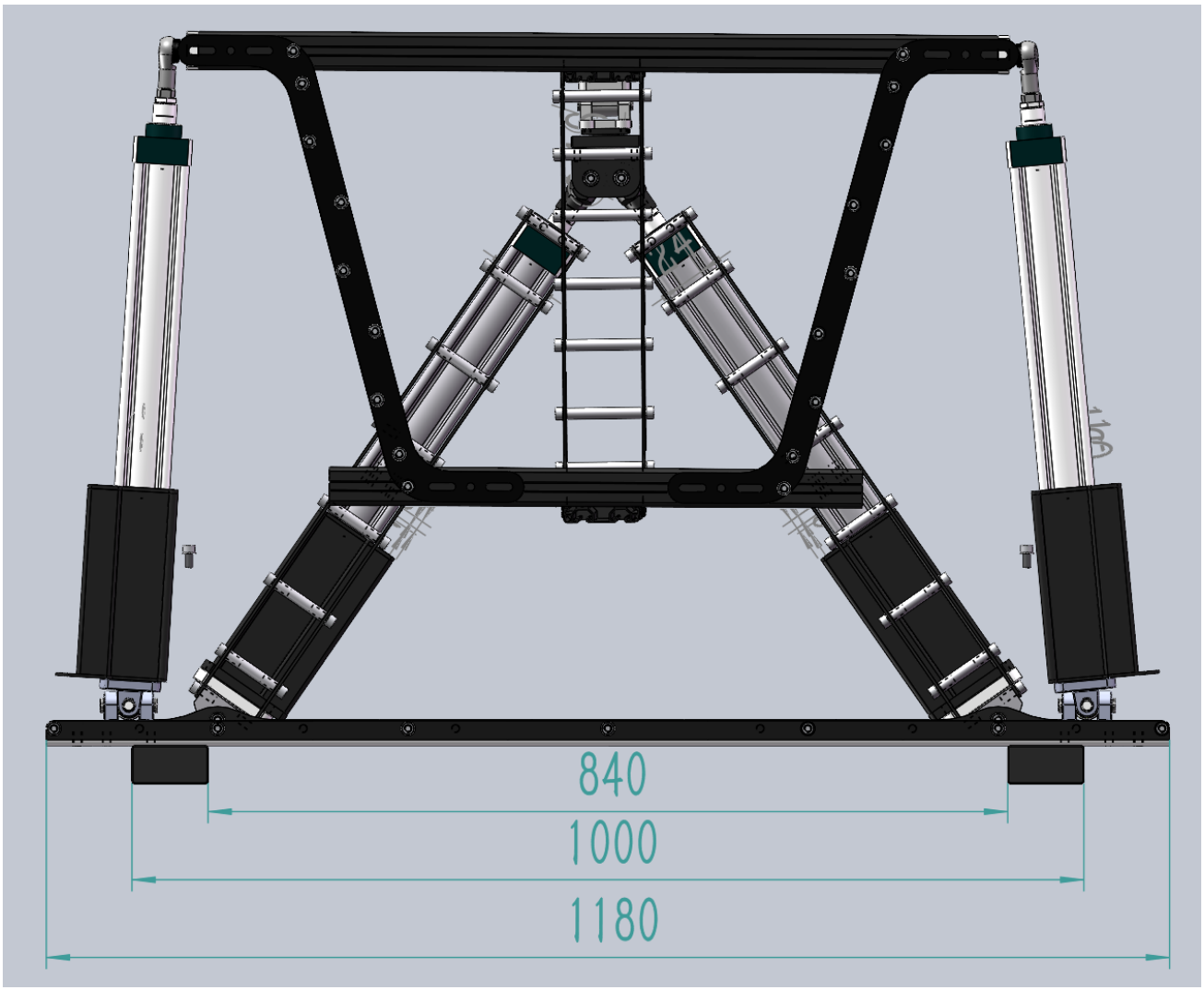
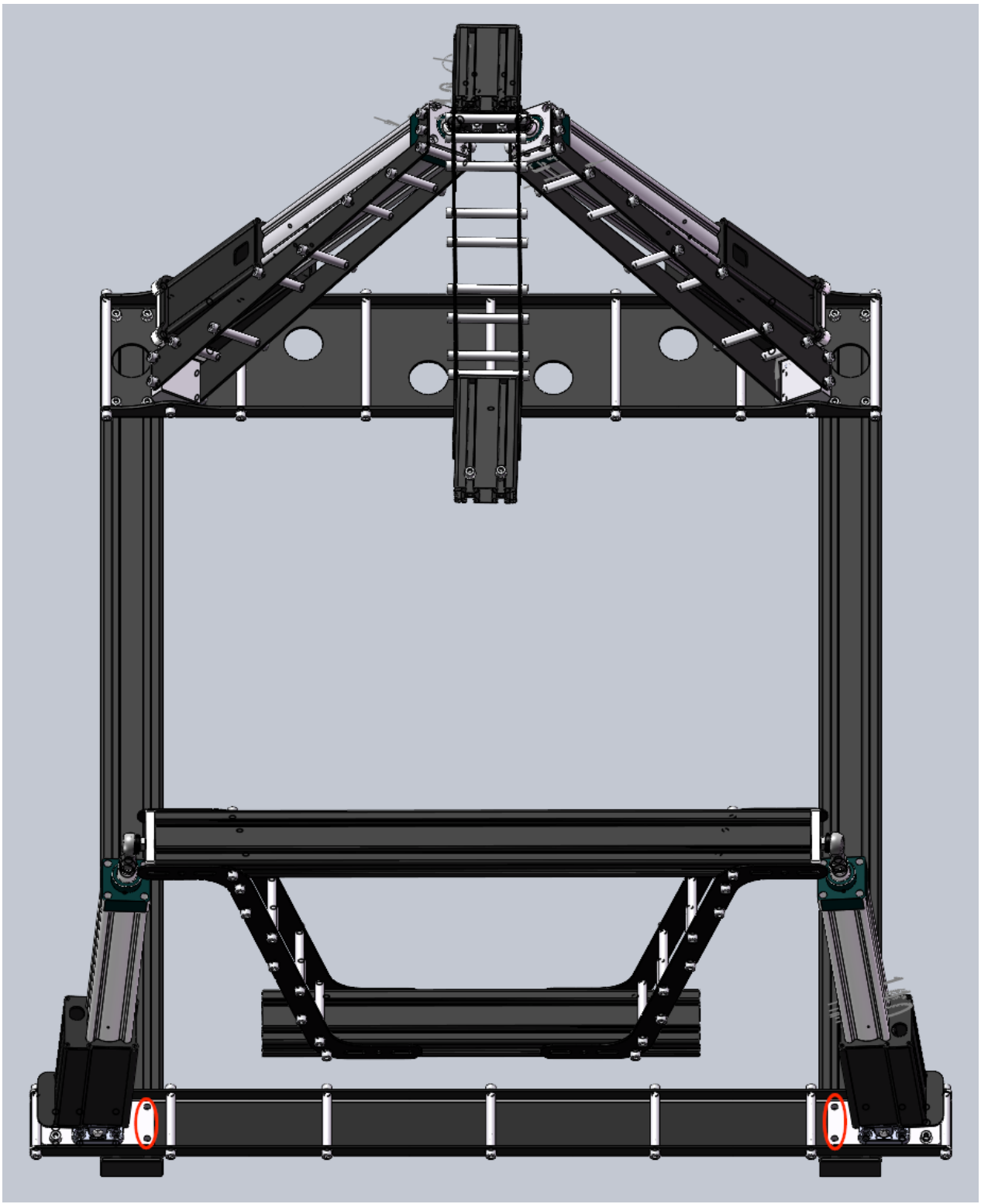


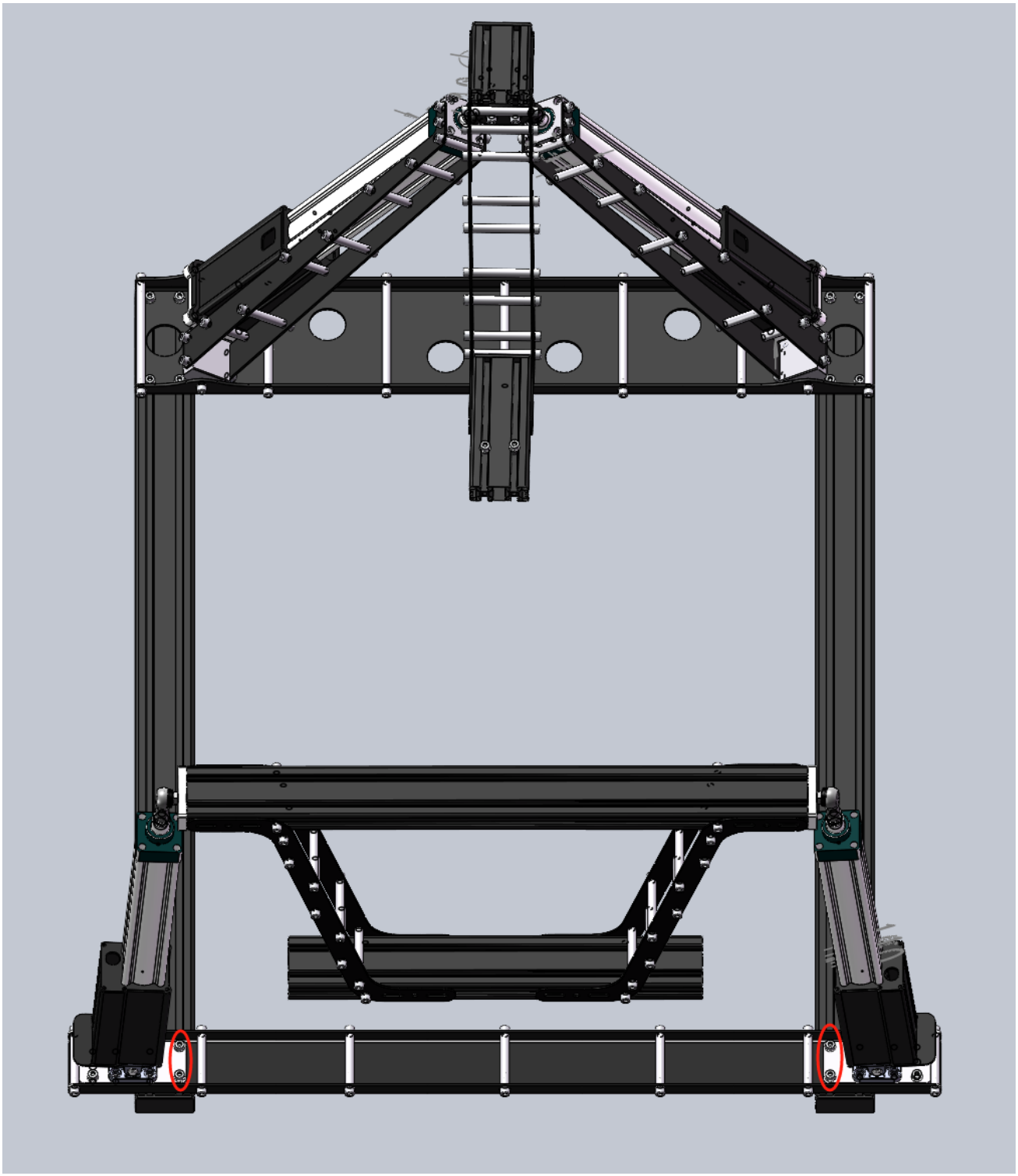


Adjust the positions of 4 slider nuts in the groove of two 4080 aluminum base beam profiles to align them with the mounting holes(In the red oval in the figure below) of the from motion module:



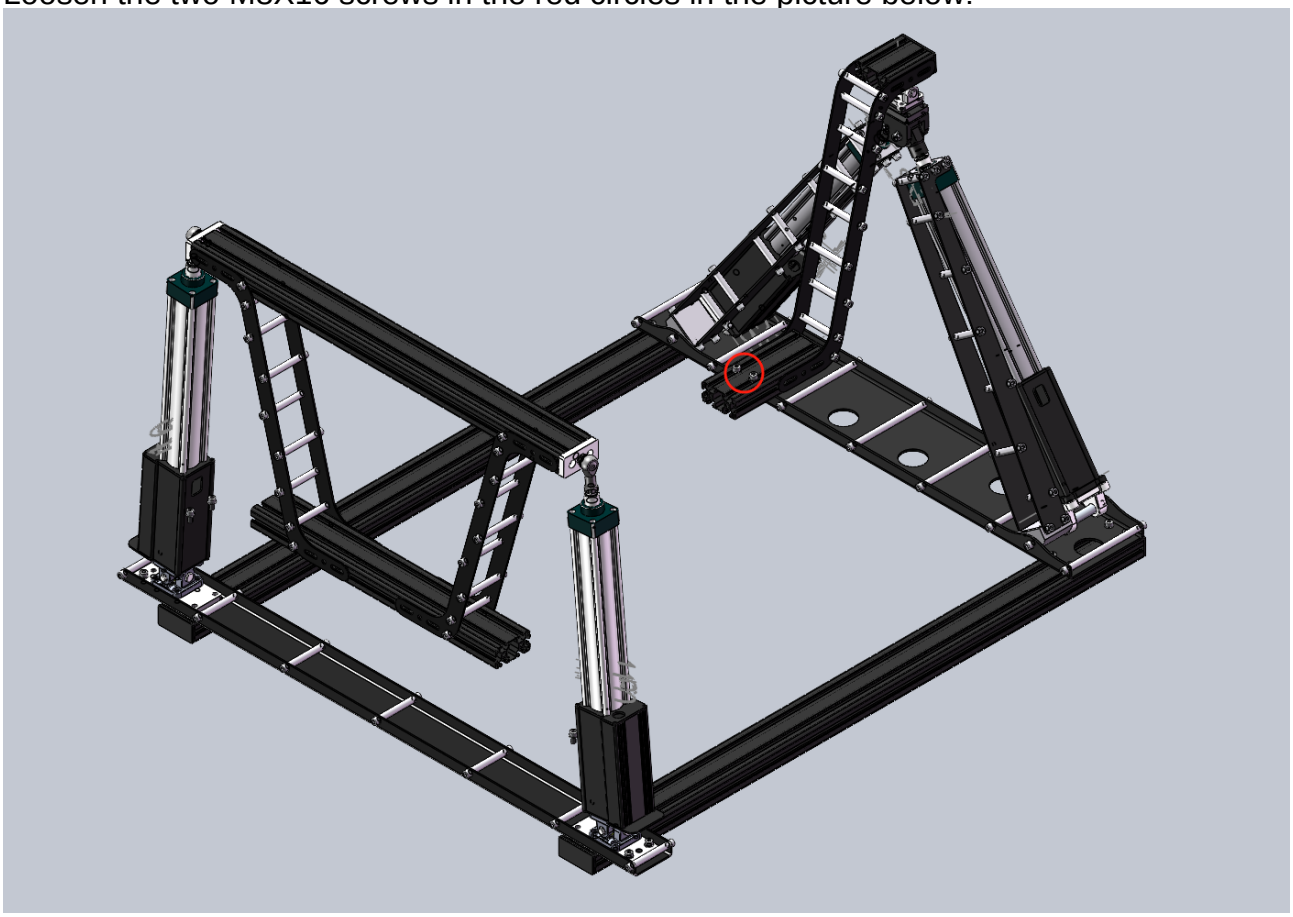
Take & Screw the 4 previously loosened M8X25 mounting screws into the corresponding 4 mounting holes to fix the front motion module, then tighten the 8 fixing screws of the rear motion module

After done:

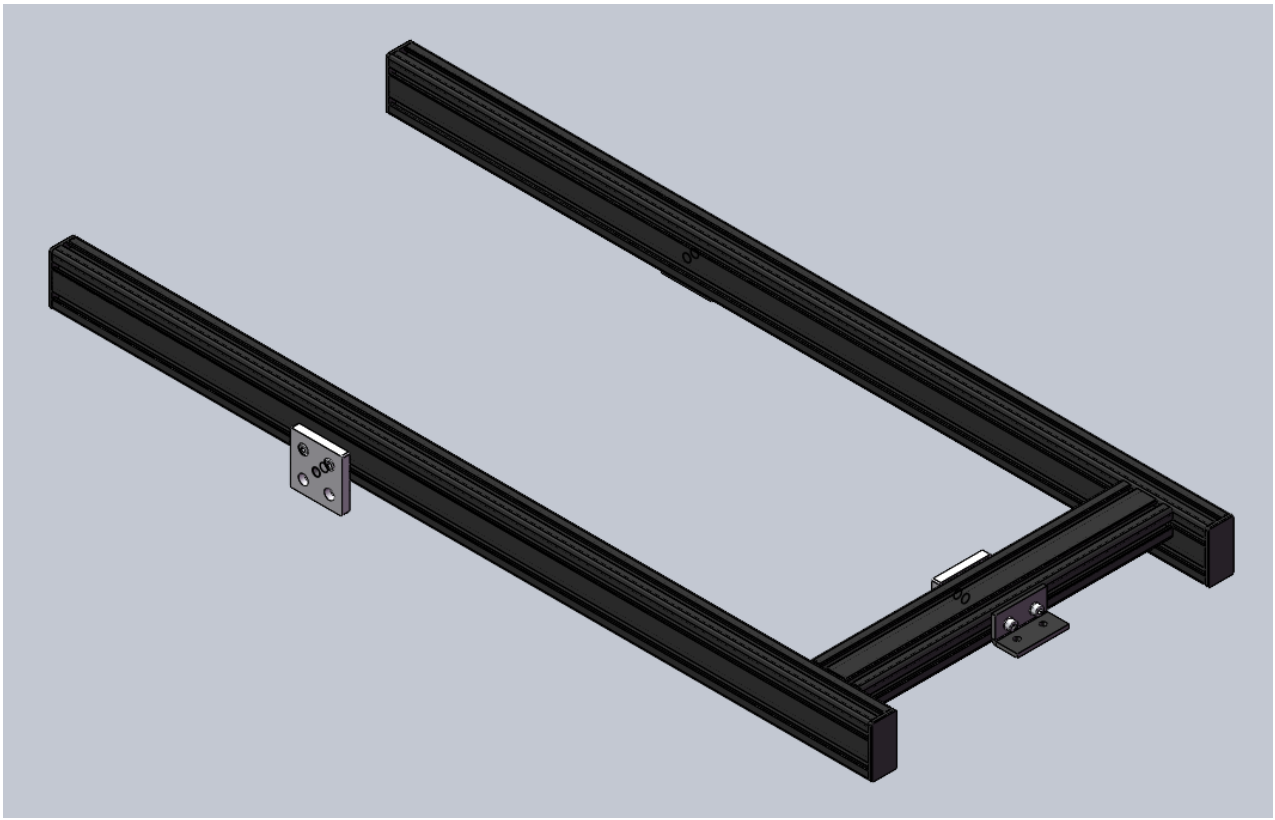


Step 4.

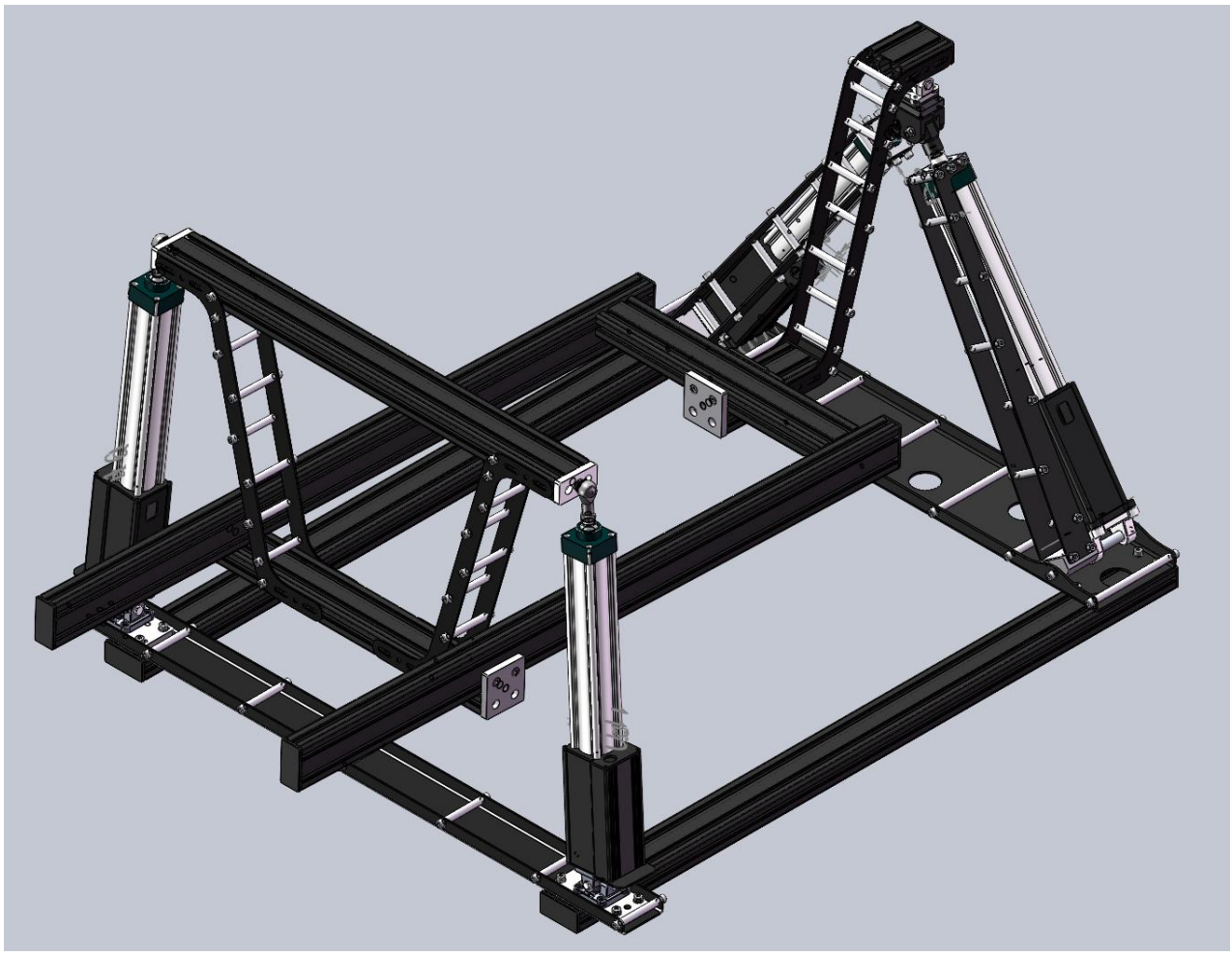
Loosen the two M8X16 screws in the red circles in the picture below:



Install the following U-shaped framework:

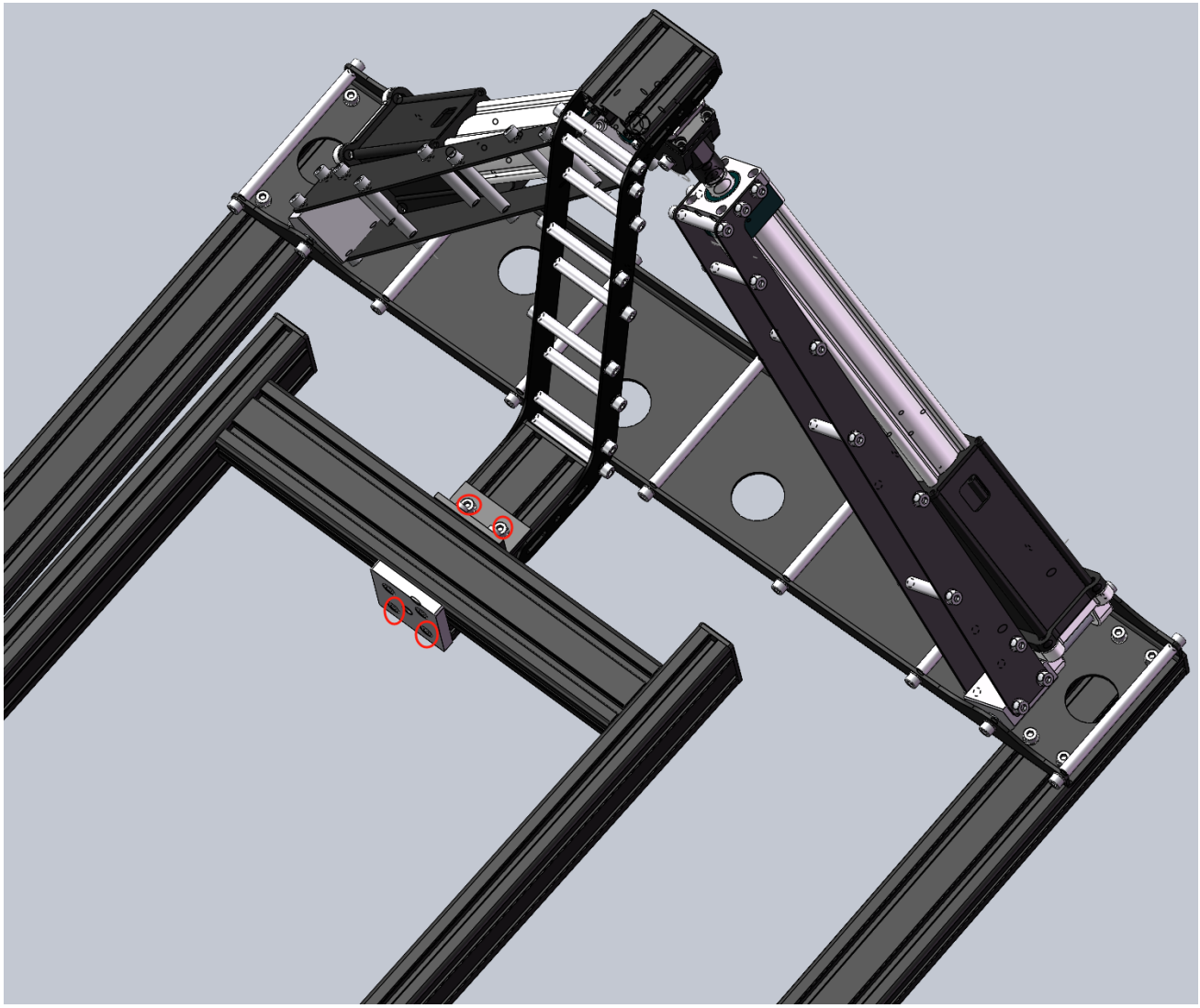


This step is not easy to operate by one person, should ask someone to assist. One person straightens and slightly rotates the installation frame of the front motion module, and the other person gently inserts the U-shaped framework. The assembly is shown in the following figure:

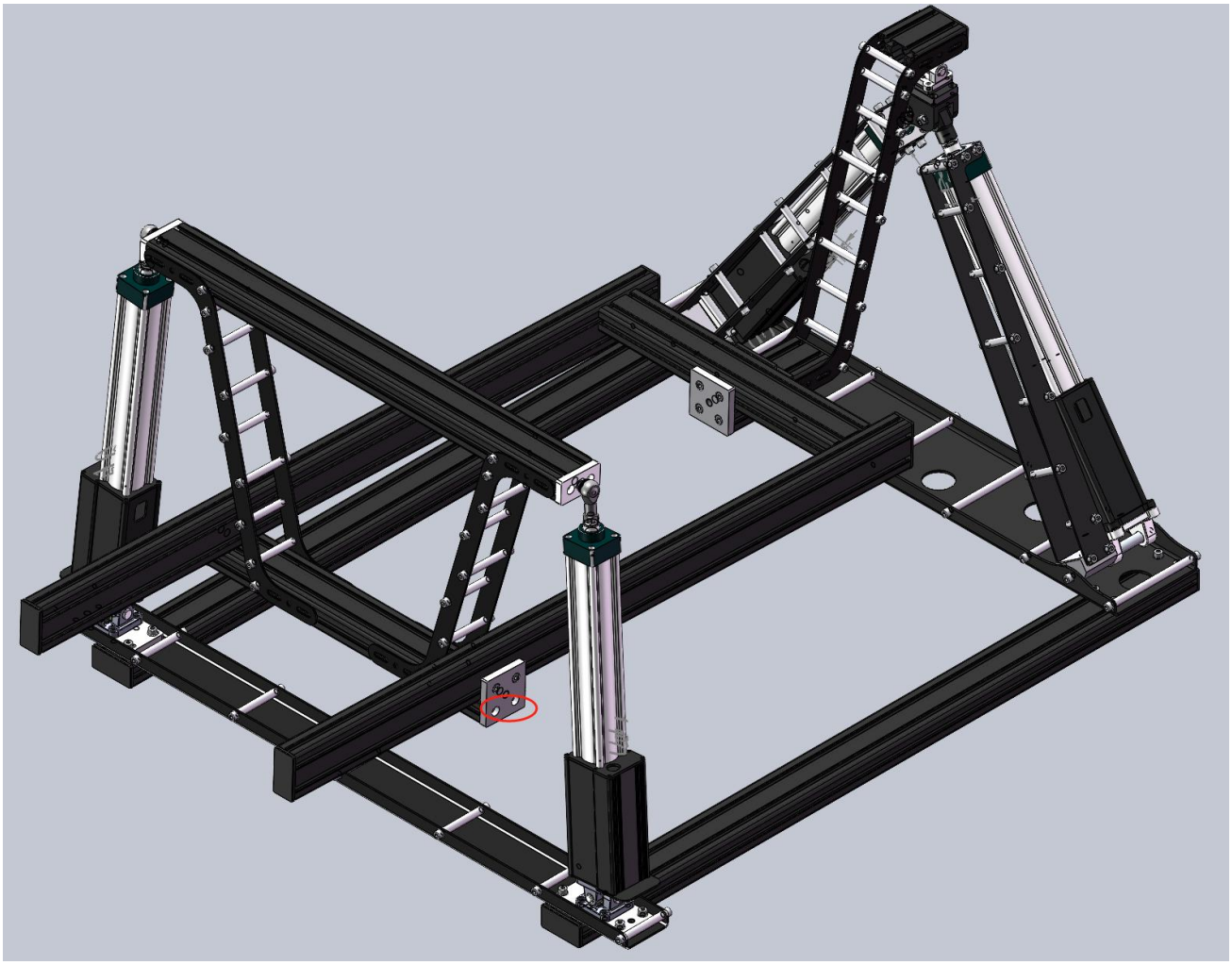


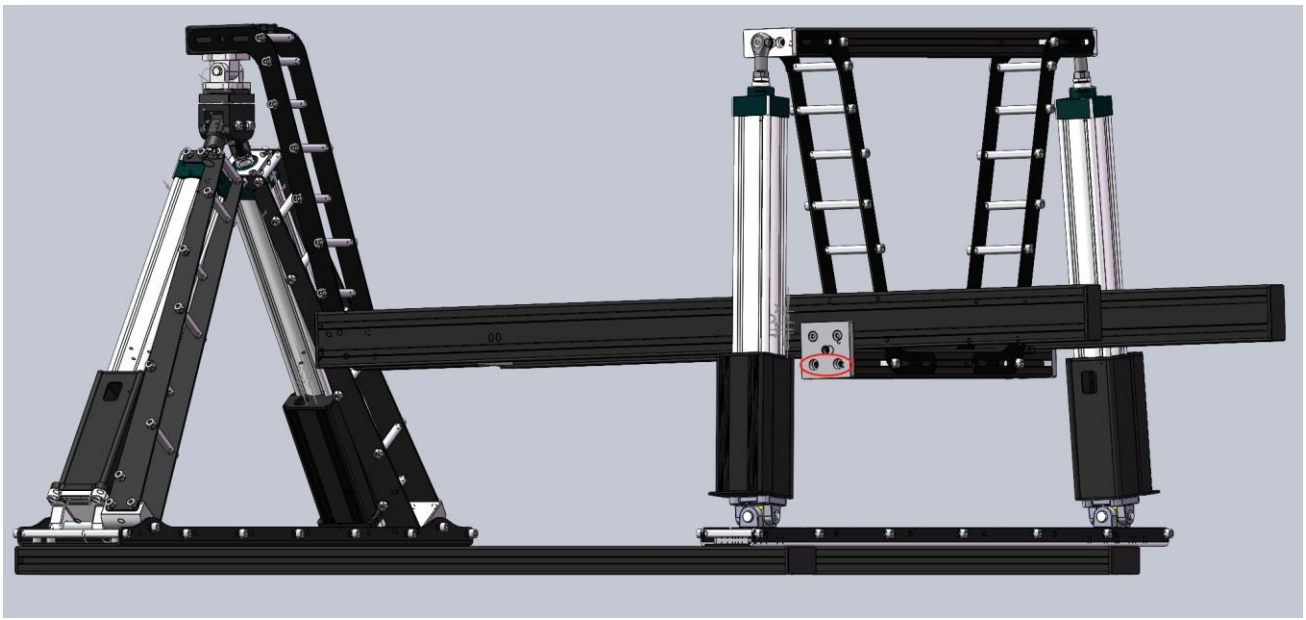
Take two M8X16 screws from the accessory box and insert the screws into the No.1 & No.2 thread holes shown in the figure below, and fasten them, then Take & Screw the 2 previously loosened M8X16 mounting screws together with cushions into the corresponding No.3 &No.4 mounting holes shown in the figure below, and fasten:

After done:

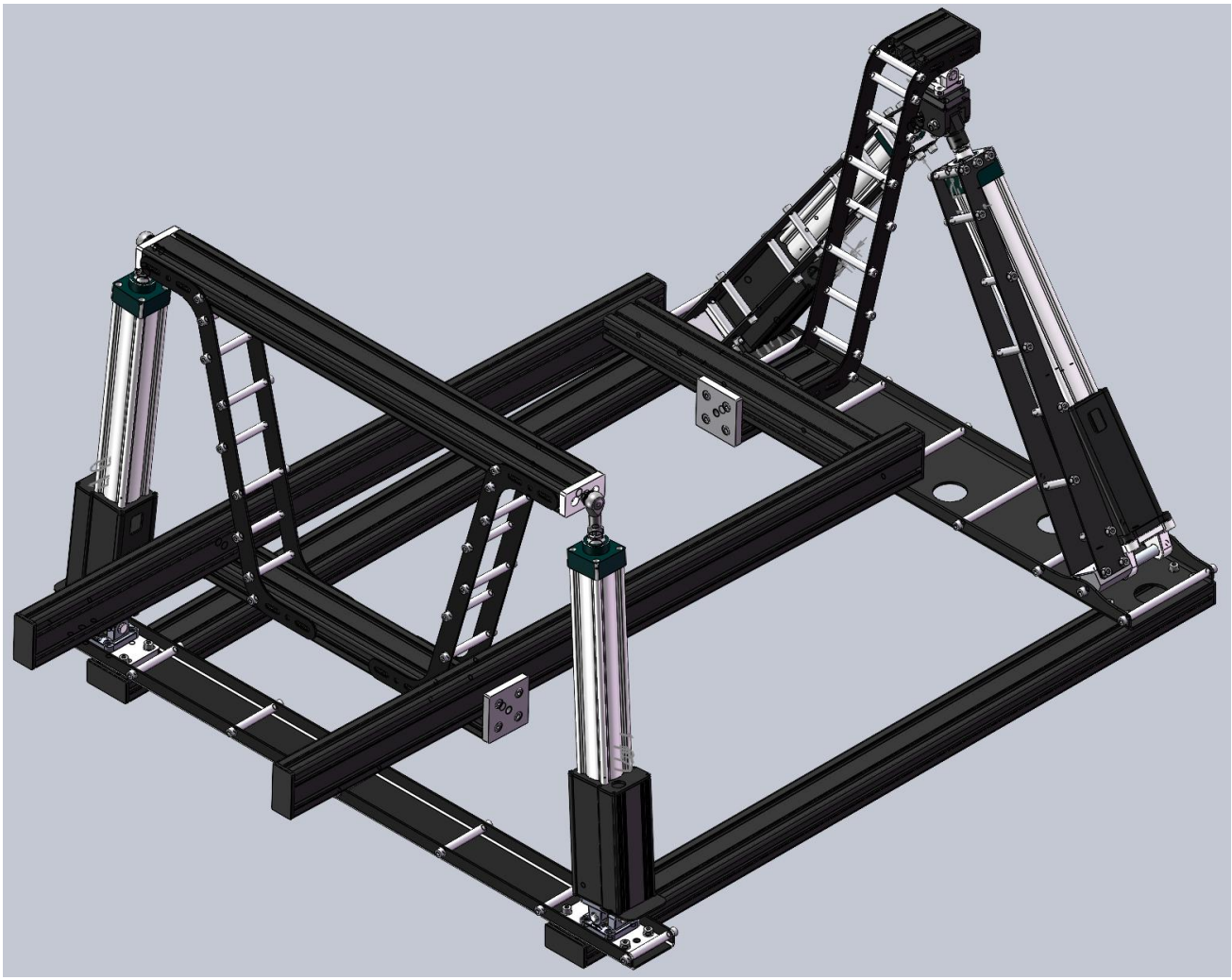


Take out four more M8X16 screws from the accessory box and screw them into the four mounting holes on the left and right sides shown in the red oval in the figures below, and tighten them:





After done:



Step 5:

Check the total twenty M8 screws(4 of them are M8X25 long screws for step 3 installing the front motion module, and the remaining 16 are M8X16 short screws) installed from steps 2 to 4, make sure they are all tightened.

So far, we have completed the installation of the 4DOF platform body.

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Cables connection Instruction

The D-Mover platforms has the simplest power cord plug-in system in the world. Please see the power controller's socket interface as shown below:

1. The 8 "O"s represent 8 axis channels. Depending on the number of actuators on the platform you purchased, you can plug in any corresponding number of sockets. There is no order for these sockets.
2. "E" represents the emergency stop switch socket.
3. "C" represents the control socket.

If you plug in the wrong socket, you will not be able to connect, so don't worry about connecting the wrong wire.

When the power indicator and the emergency stop switch indicator are both on, it means that the power is ready. If the power indicator is on and the emergency stop switch is not on, please turn the emergency stop switch clockwise to release it.