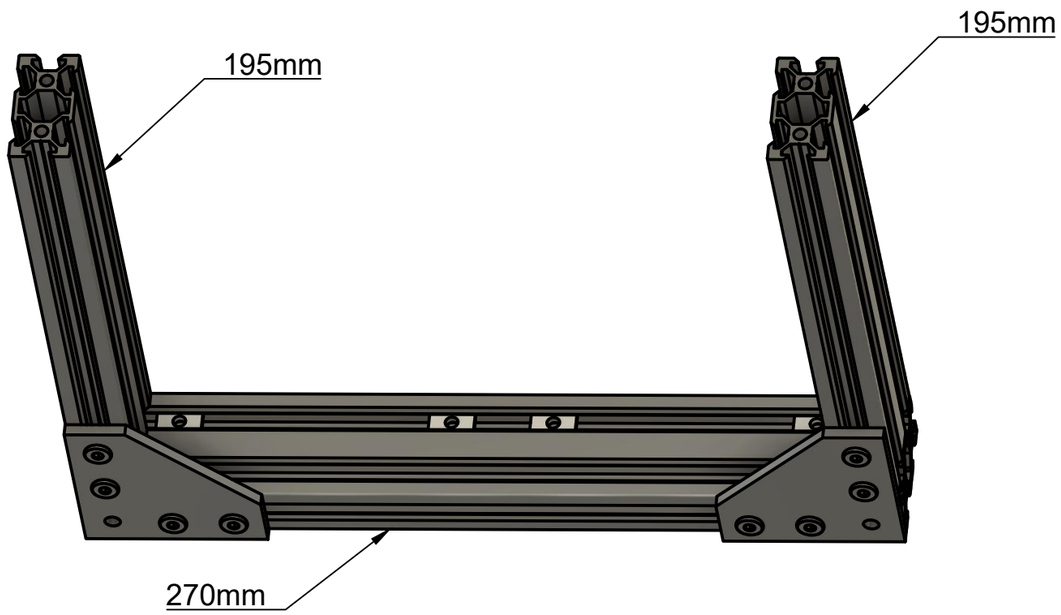
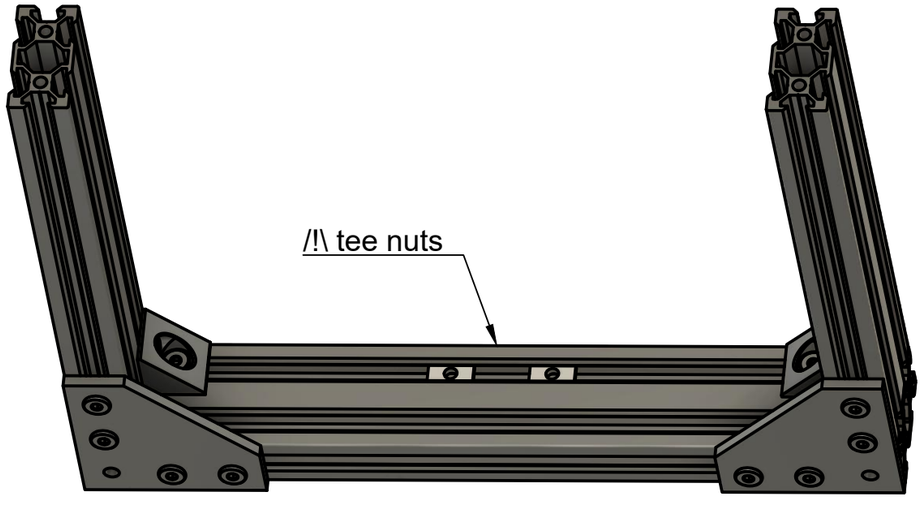
Step 1





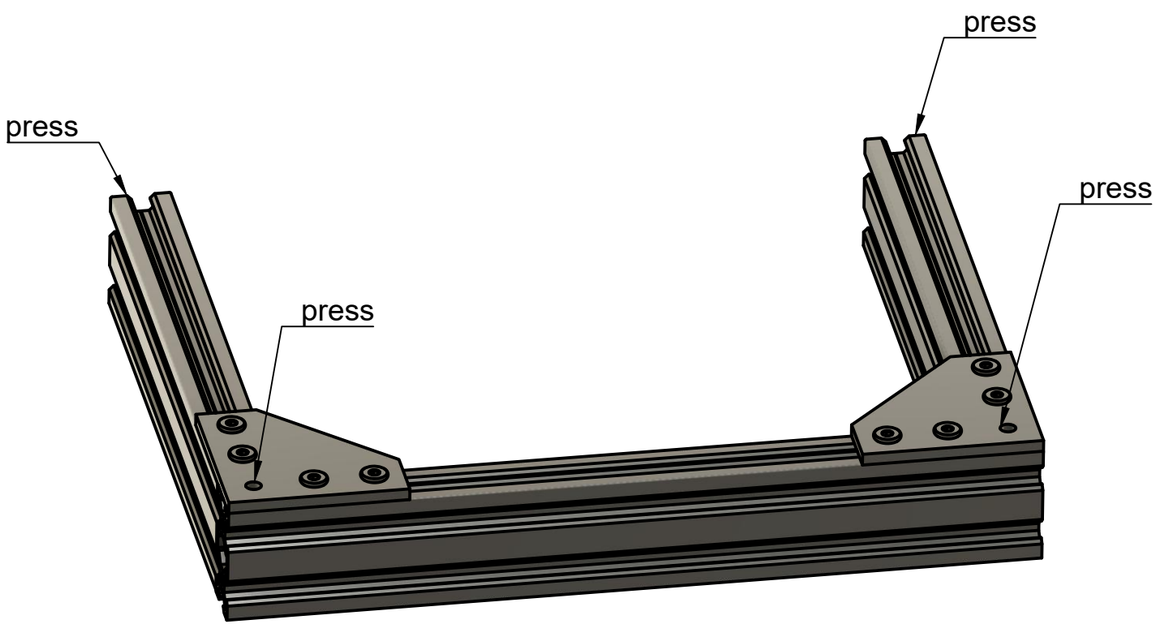
Parts

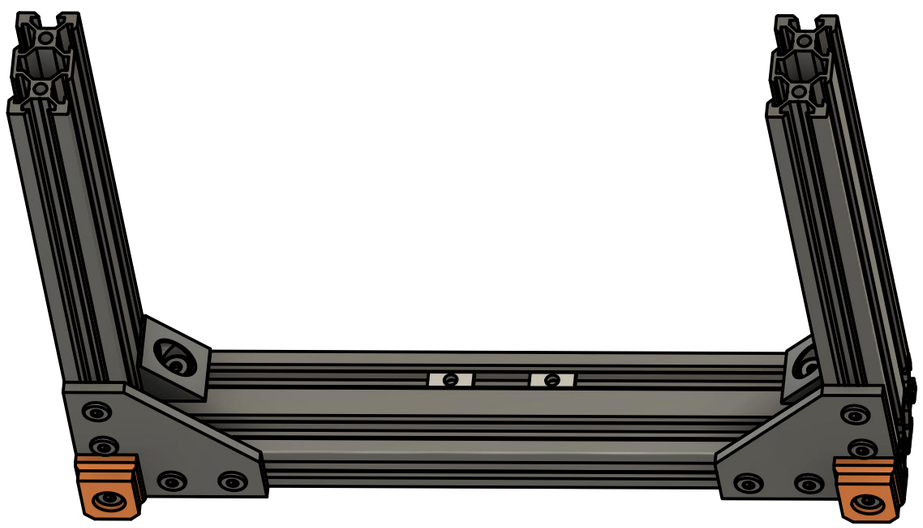
2x 195mm V-Slots
1x 270mm V-Slots
2x 90° plates
8x M5x10mm screws
2x Black angle corner
4x M5x8mm screws
14x Tee nuts

Assembly

1. Assemble 90° plates to the v-slots with 8x M5x10 screws and 8 tee nuts and make sure everything is square
2. Add 4 tee nuts on the 270mm v-slot as seen on top the picture
3. Add 2 black angle corners and screw with M5x8 screws and 1 tee nut on each 195mm v-slot

Step 2





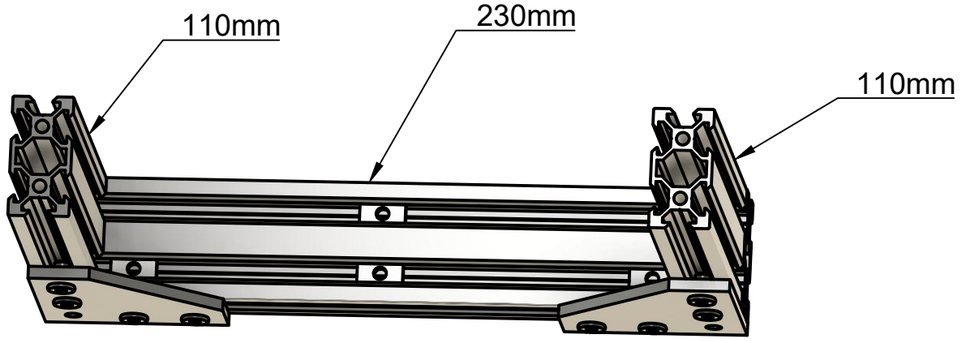
Parts

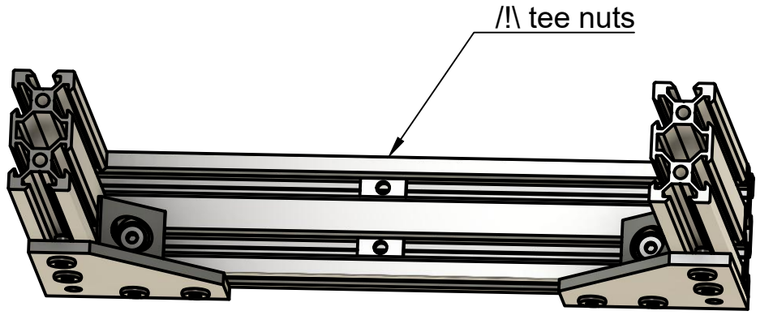
2x feet
2x M5x15mm screws
2x Tee nuts

Assembly

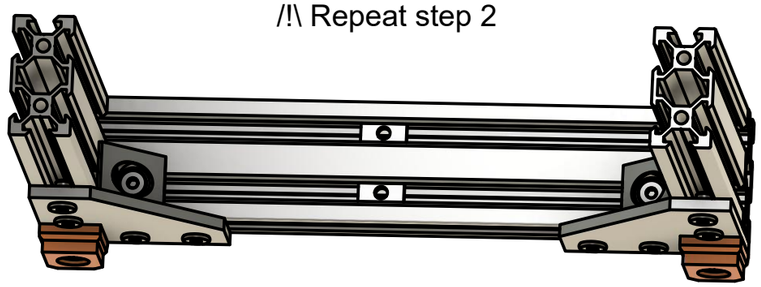
1. Lay down the frame on a flat surface with 90° plates facing the sky
2. Press down on each corners to check the twist of the frame. If it wobbles, slightly untight the 90° plates screws (but not the black angle corner!) and twist the frame until it is flat (you can use an object under a corner to help twisting the frame)
3. Once the frame is flat, tighten strongly everything and add the feet using M5x15 and two tee nuts

Step 3





/!\ Repeat step 2



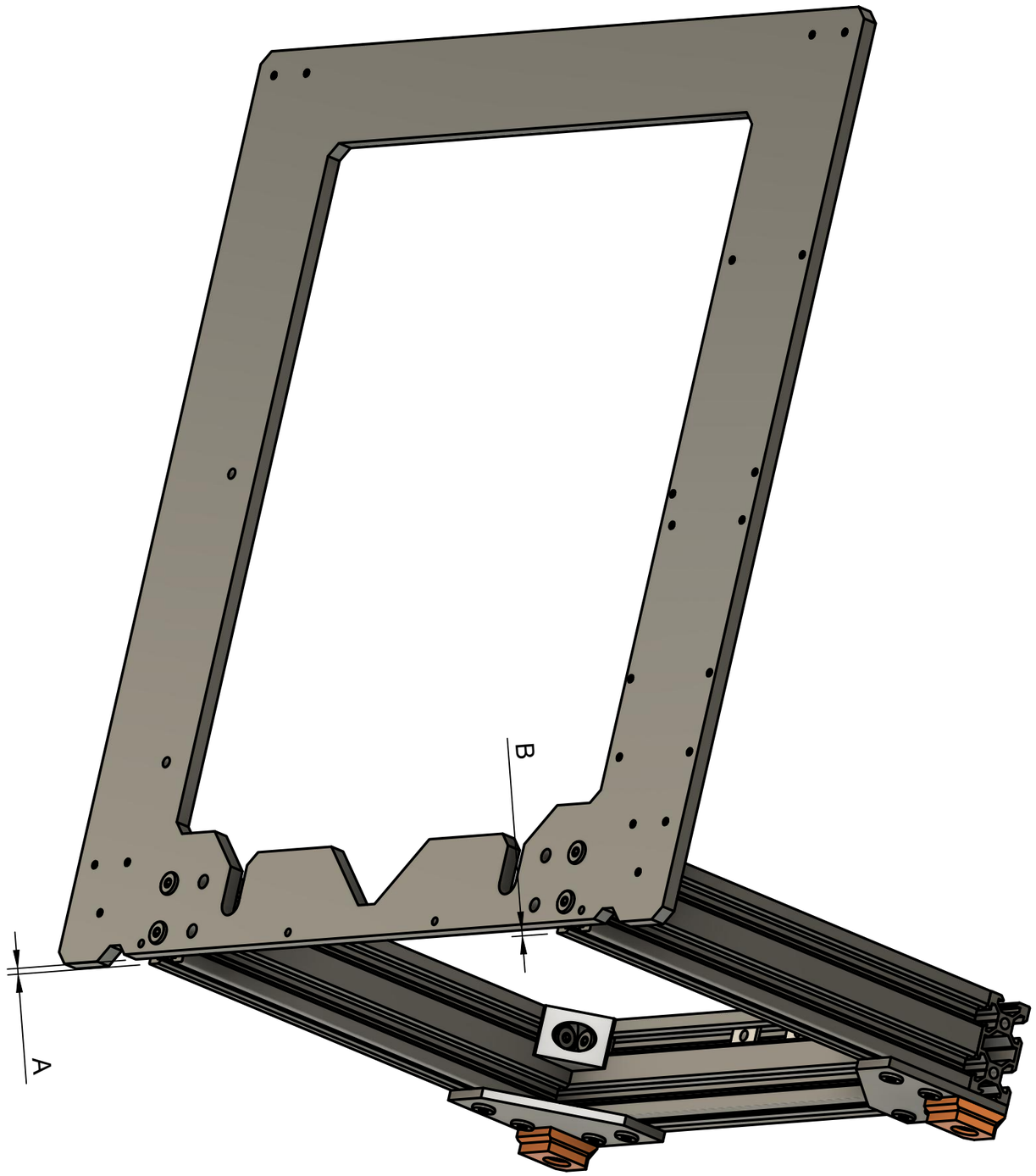
Parts

2x 110mm V-Slots
1x 230mm V-Slots
2x 90° plates
8x M5x10mm screws
2x Black angle corner
4x M5x8mm screws
2x Feet
2x M5x15mm screws
16x Tee nuts

Assembly

1. Assemble 90° plates to the v-slots with 8x M5x10 screws and 8 tee nuts and make sure everything is square
2. Add 4 tee nuts on the 230mm v-slot as seen on top the picture
3. Add 2 black angle corners and screw with M5x8 screws and 1 tee nut on each 110mm v-slot
4. Repeat step 2 to have a flat assembly

Step 4



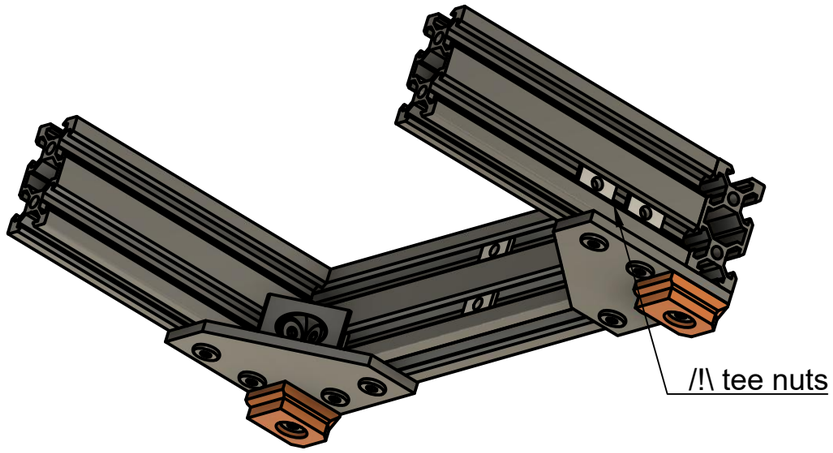
Parts

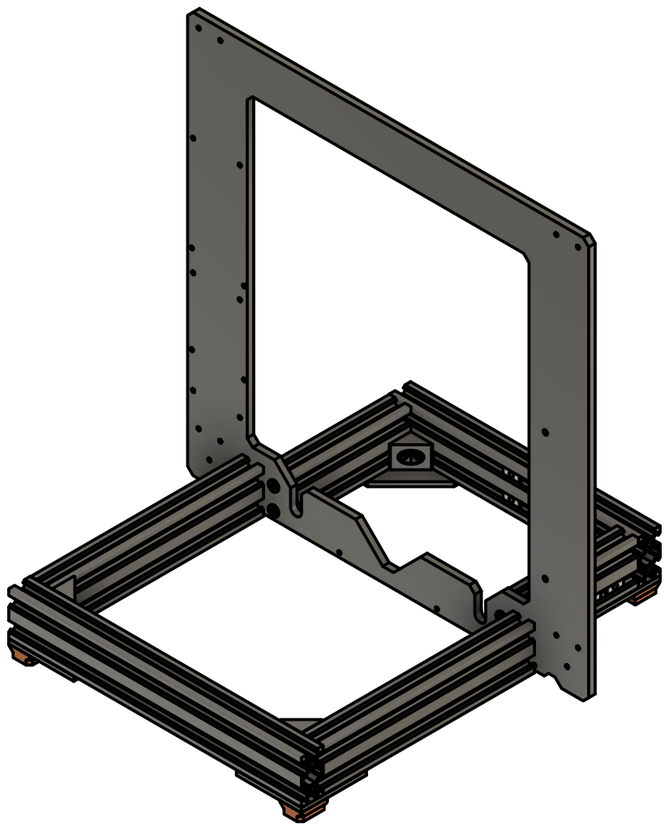
1x Original aluminum frame
1x Front assembly
4x M5x25mm screws

Assembly

1. Assemble front and aluminum frame together with 4 M5x25 screws
2. Mesurements A and B (between bottom frame and bottom v-slots) should be equal and as big as possible

Step 5





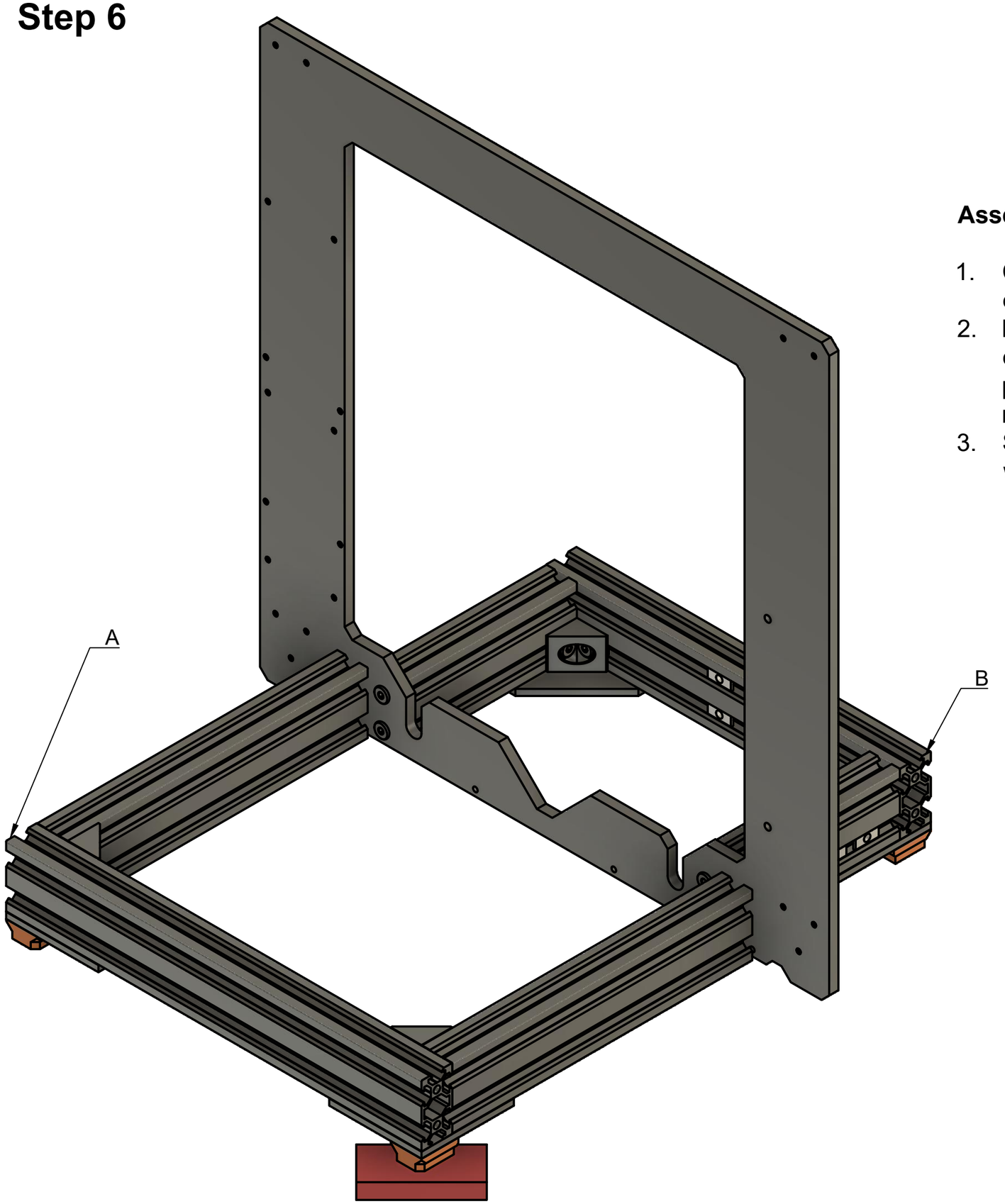
Parts

1x Original aluminum frame
2x Tee nuts
4x M5x25mm screws

Assembly

1. Add 2 tee nuts as seen on top picture
2. Assemble everything togheter with 4 M5x25 screws
3. Adjust back v-slots (that are tight to the frame) to be at the same level as the front assembly

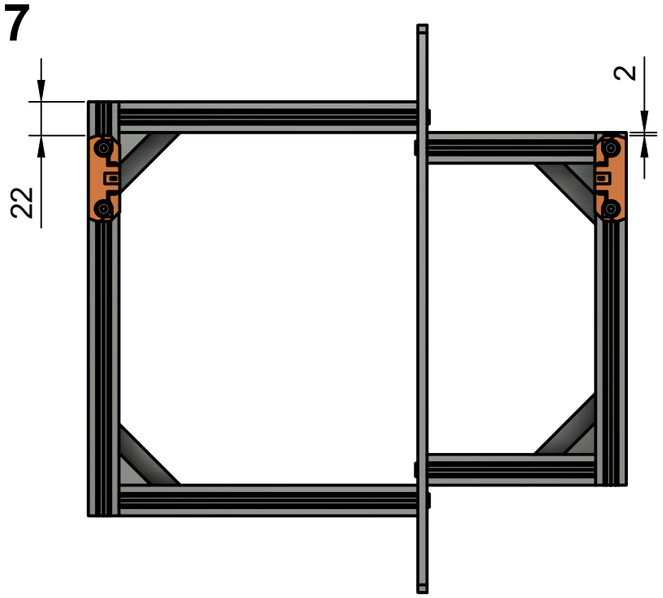
Step 6

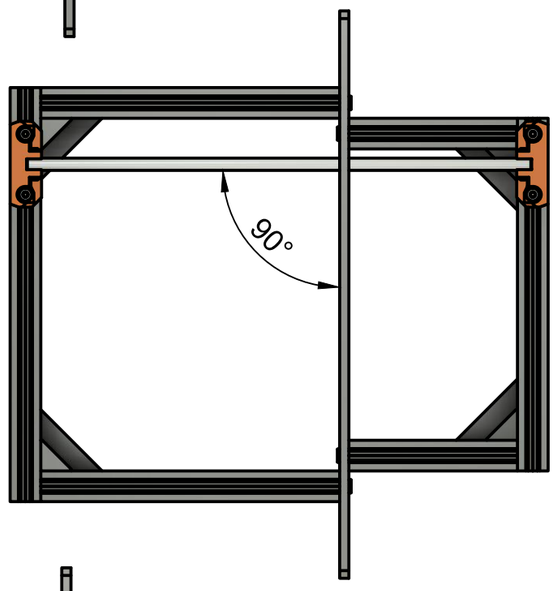


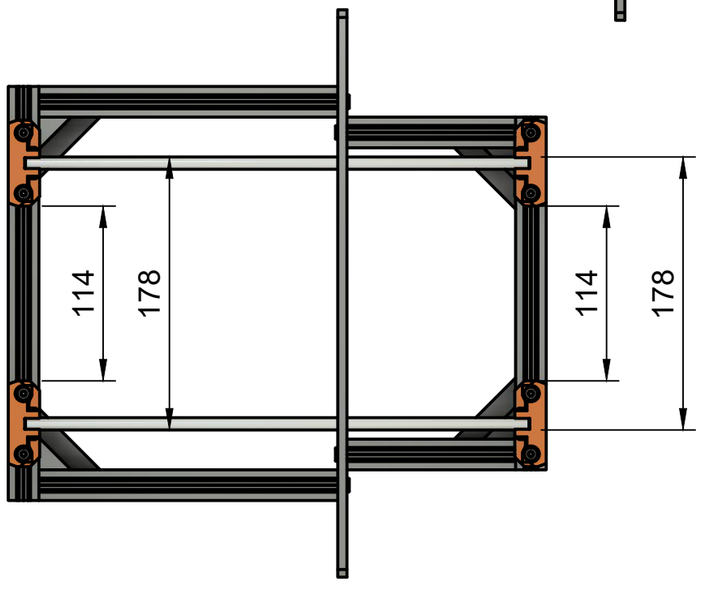
Assembly

1. Check that the frame is not twisted by pressing down each corner (on the v-slots)
2. If it is twisted, place an object (in red on picture) under one corner and apply pressure simultaneously to both perpendicular corners (A and B). Repeat this for left and right side until you get a perfectly flat frame
3. Strongly tight frame screws and check others screws as well

Step 7







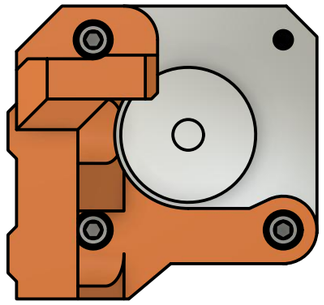
Parts

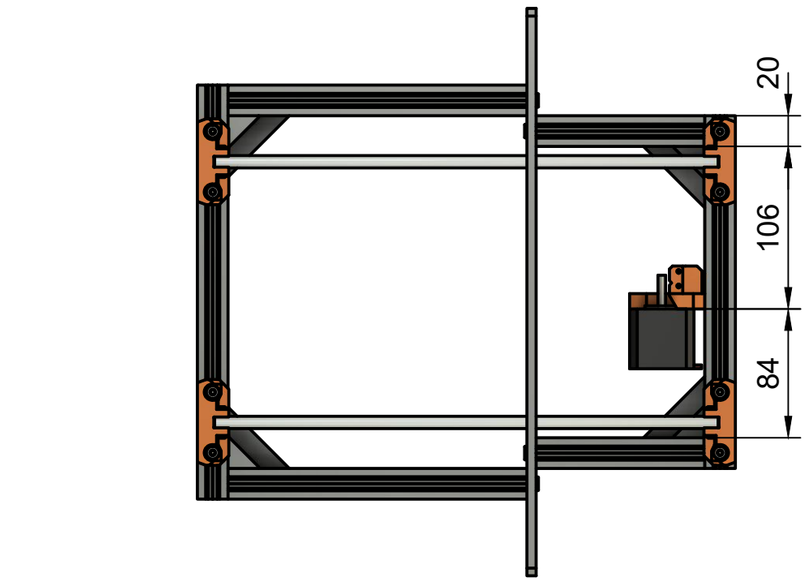
4x rod holders
8x M5x10mm screws
8x Tee nuts
8x zip ties

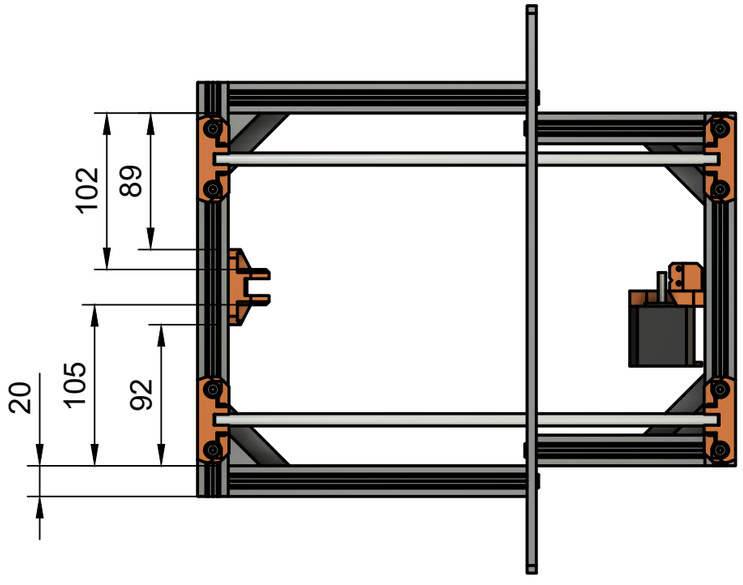
Assembly

1. Assemble 2 rod holders on the right side of the frame (picture on top) with 4 M5x10 and 4 tee nuts
2. Adjust to the match measurements on top picture
3. Add the rod on this two holders
4. Check they are perpendicular to the frame with a square
5. Assemble 2 lates rod holders on the left side of the frame (picture on bottom) with 4 M5x10 and 4 tee nuts
6. Add the last 2 rods
7. Adjust to match the measurements on bottom picture
8. Add zip ties to all rod holders

Step 8







Parts

1x y_motor_mount
2x M5x15mm screws
1x Y motor with its original M3x10 screws
1x M3x10 screws (get it from Prusa spare parts bag)

Assembly

1. Assemble the motor on the y_motor_mount with 3 M3x10 screws (motor cables will go in direction of 230mm v-slot)
2. Mount the motor on the back of the frame using 2 M5x15 and adjust to the measurements on top picture
3. The motor cables should face the 230mm v-slots
4. Add y idler according

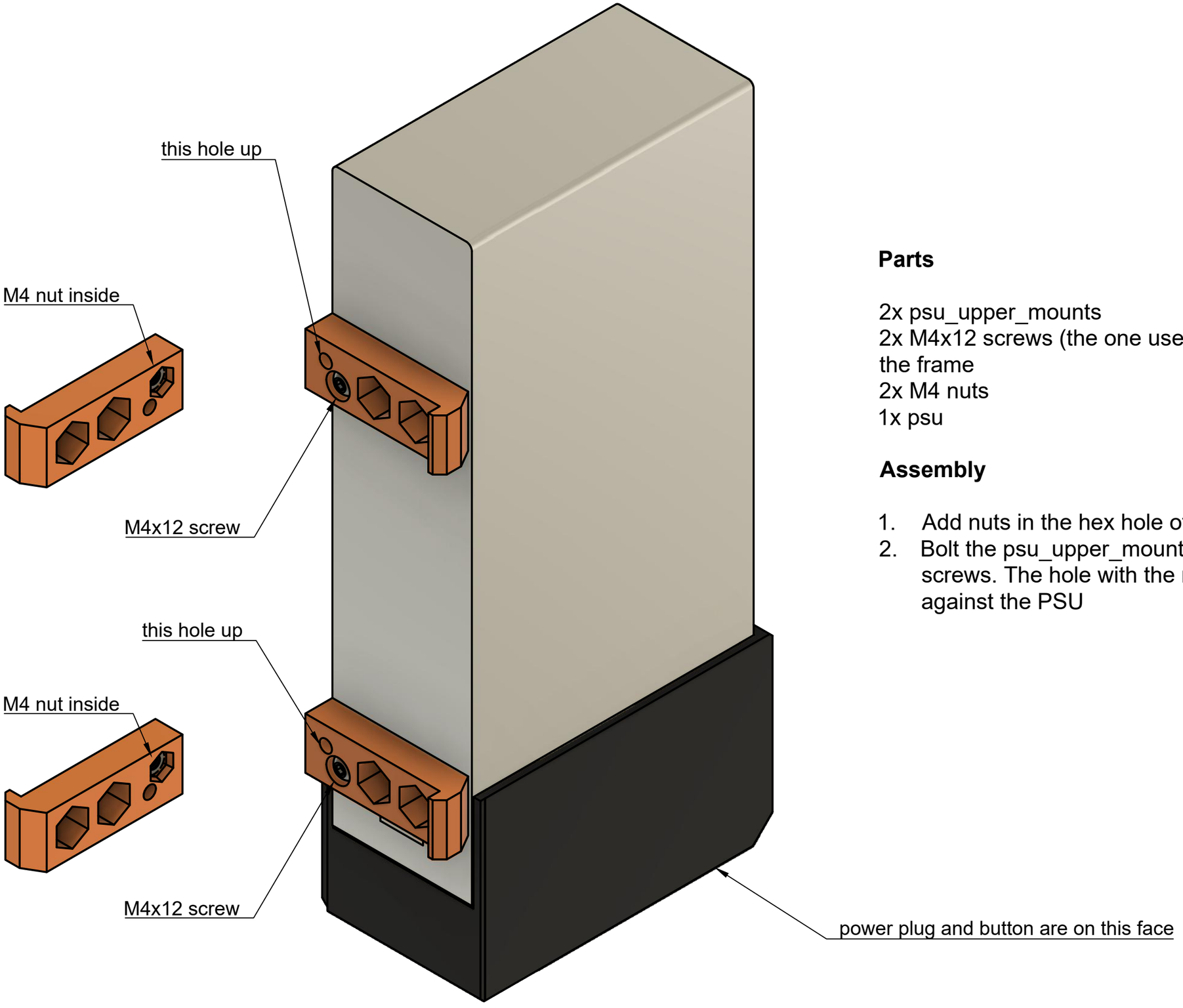
Step 9

Assembly

1. You can then mount the Y belt, Y pulleys, and heated bed
2. Unscrew a bit the y_idler to help you when adjusting belt tension

Warning: these parts will not be visible on next assembly steps

Step 10



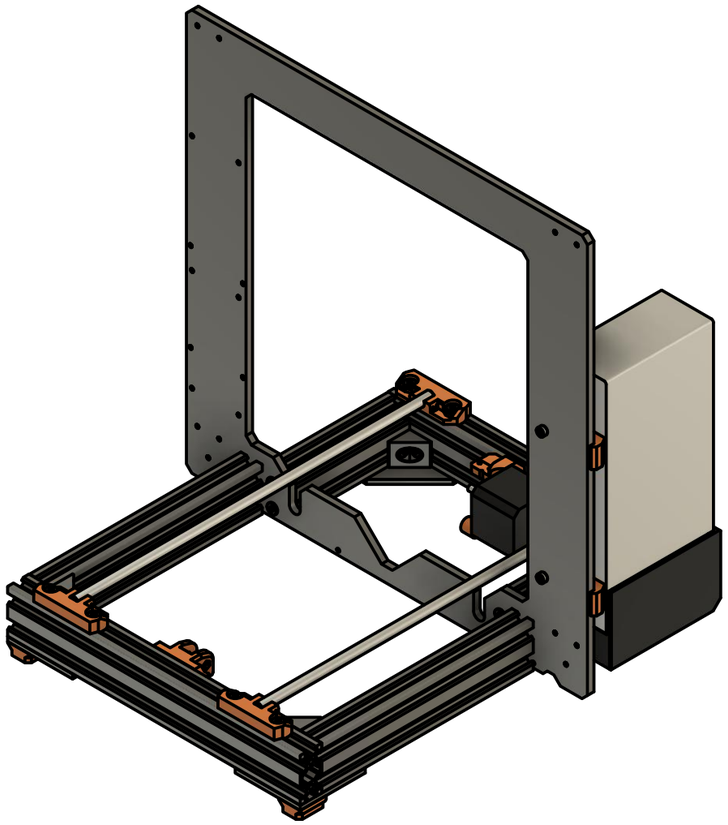
Parts

2x psu_upper_mounts
2x M4x12 screws (the one used to assemble the PSU to the frame
2x M4 nuts
1x psu

Assembly

1. Add nuts in the hex hole of each psu_upper mount
2. Bolt the psu_upper_mounts to the PSU using M4x12 screws. The hole with the nut should face up and against the PSU

Step 11



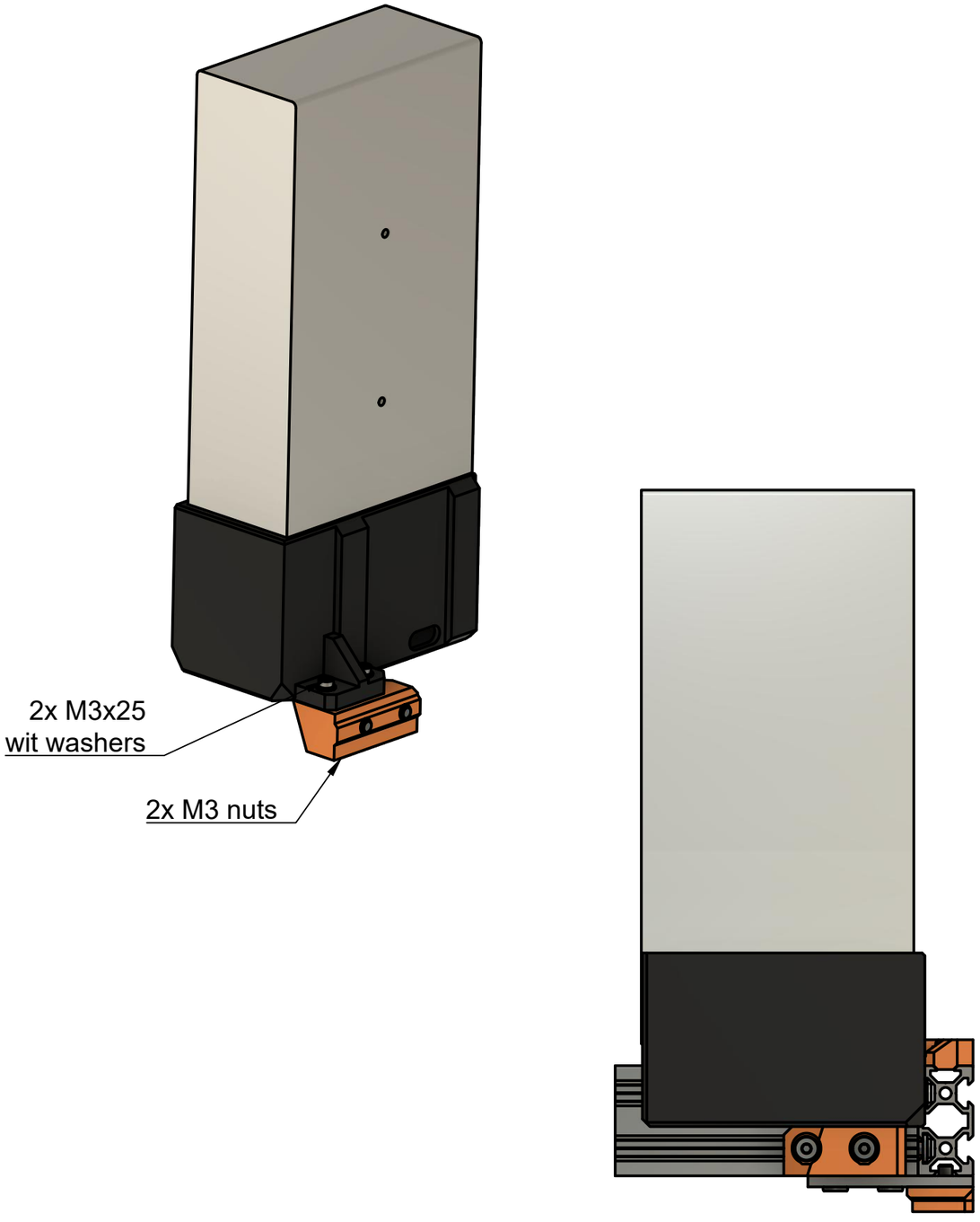
Parts

2x M4x14 screws

Assembly

1. Assemble PSU to the frame with M4x14 screws

Step 12



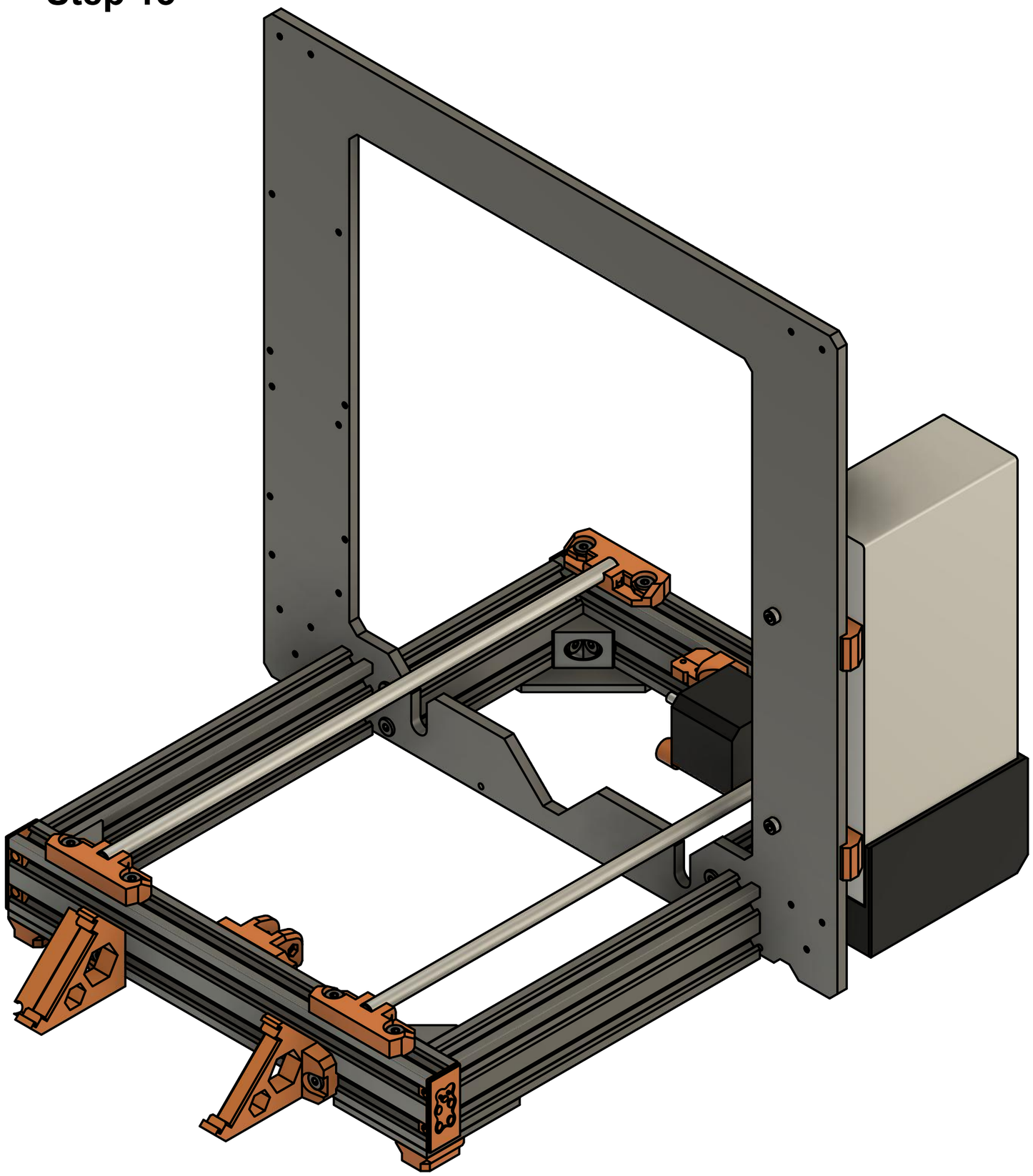
Parts

1x psu_lower_mount
2x M3x25 screws (from the original psu mount)
2x M3 washers (from the original psu mount)
2x M3 nuts (from the original psu mount)
2x M5x10

Assembly

1. Assemble psu_lower_mount to the PSU with 2 M3x25, 2 nuts and 2 washers. Do not tight them too much, the psu_lower_mount should move freely
2. Bolt 2 M5x10 to the tee nuts, tight strongly to the frame
3. Finish to tight the M3 screws

Step 13



Parts

1x lcd_support_a
1x lcd_support_b
4x end_caps
2x M5x10
8x M5 set screws
2x Tee nuts

Assembly

1. Mount the new lcd supports to the screen cover
2. Assemble them to frame with 2 M5x10 and 2 tee nuts
3. Assemble the end_caps and secure them with M5 set screws

Steps 14

Assembly

1. Finish the build with all other Prusa original parts
2. Check that everything seems correctly mounted
3. Run XYZ Calibration
4. Calibrate Z level

Have fun!!! :)