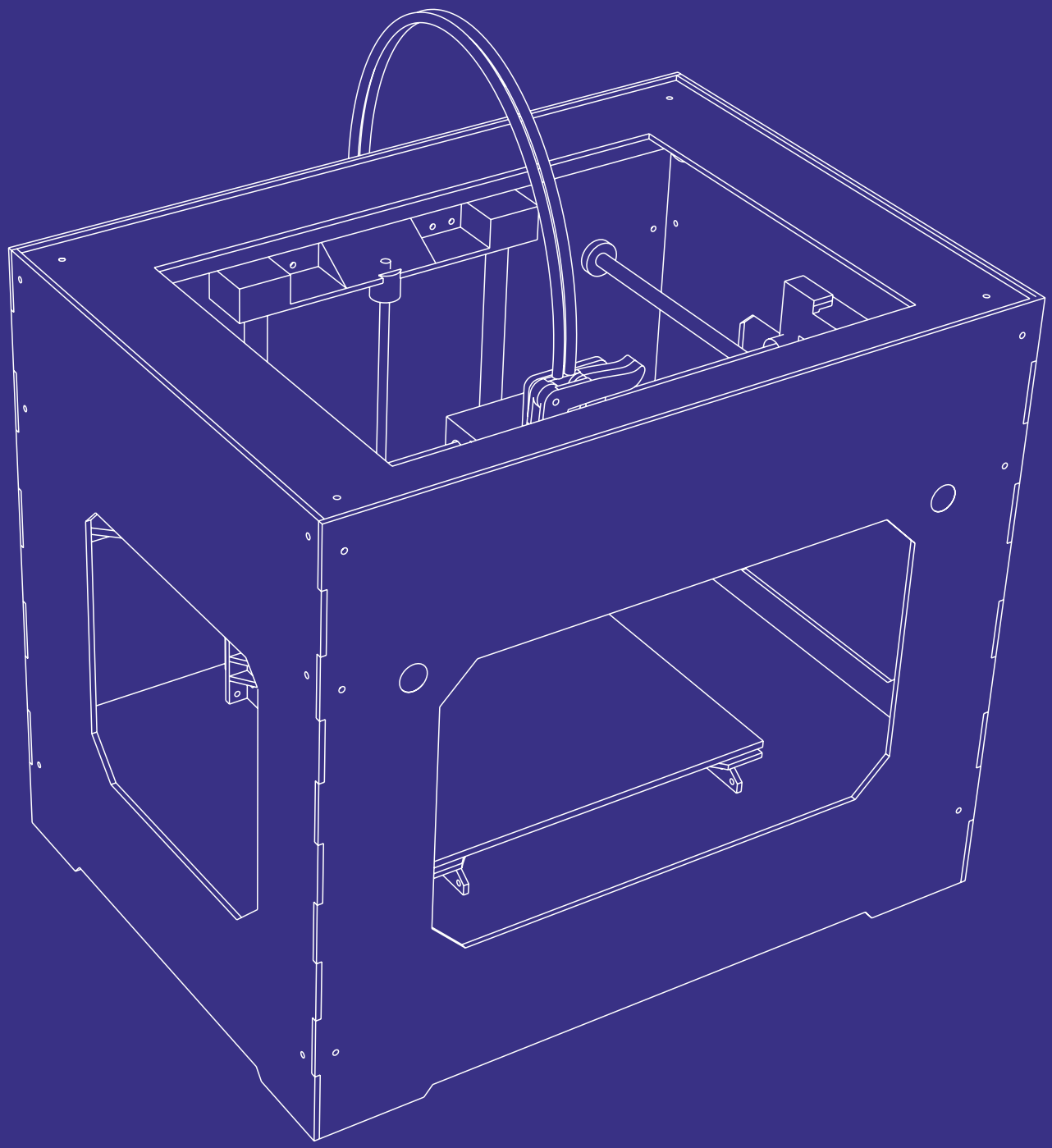
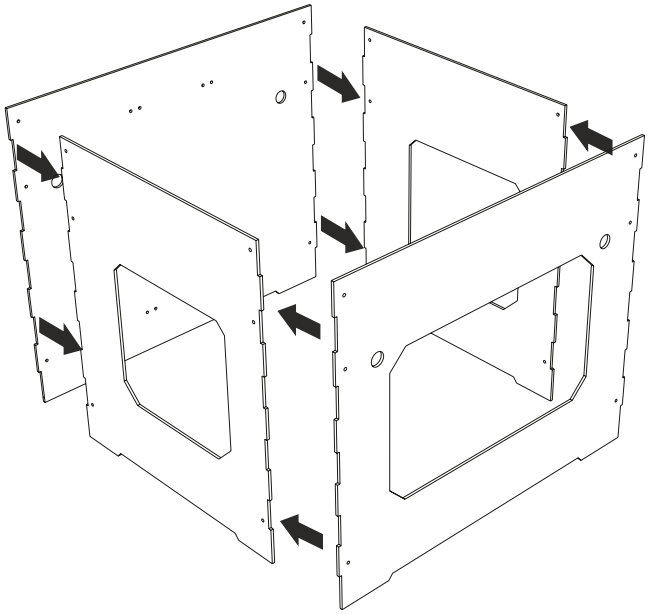
Idea Lab One

instrukcja montażu build manual

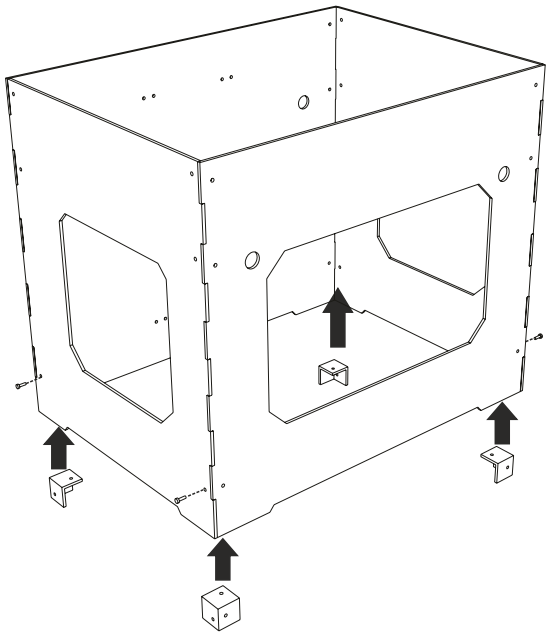


Step 1



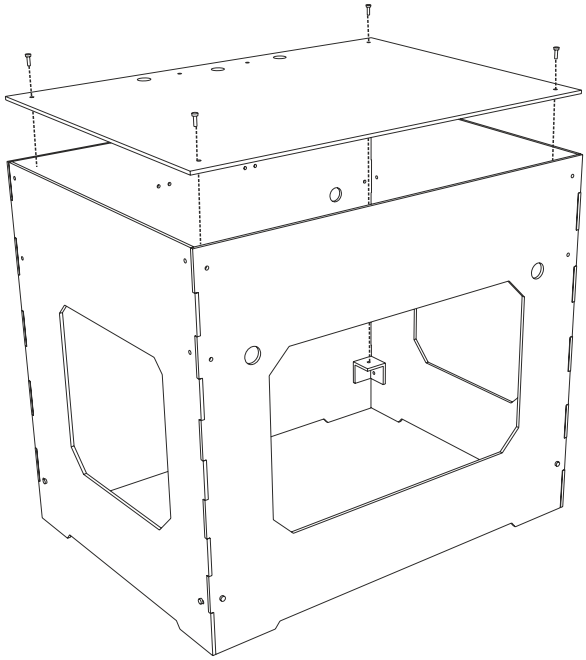
Assembly sides of frame

Step 2



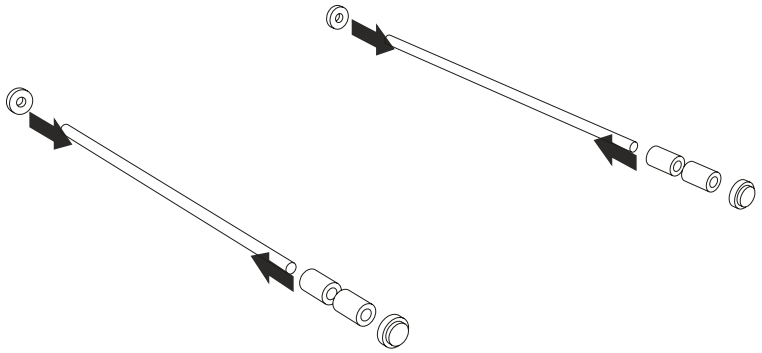
Use 8 M3 screws and assembly 4 bottom corners.
Before mounting corners put M3 nuts into corners

Step 3



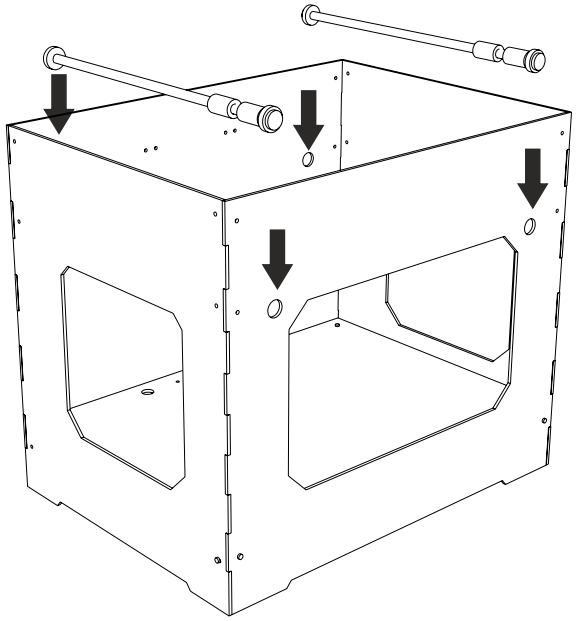
Install bottom plate using 4 M3 screws

Step 4



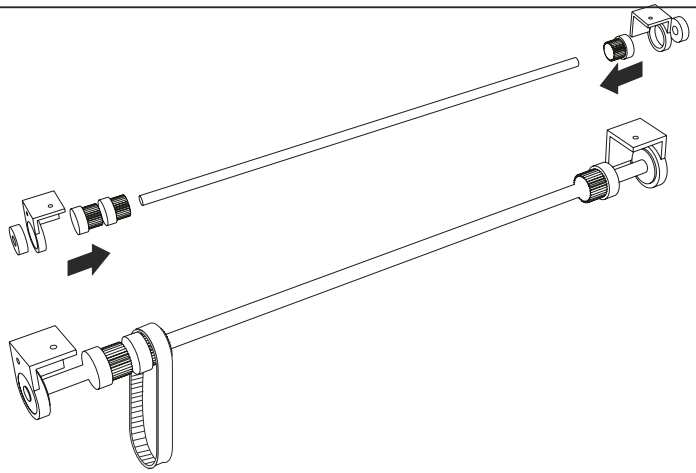
Y axis assembly. Put 2 Lm08uu linear bearings on to smooth rod Y
Put Y end caps onto rods.

Step 5



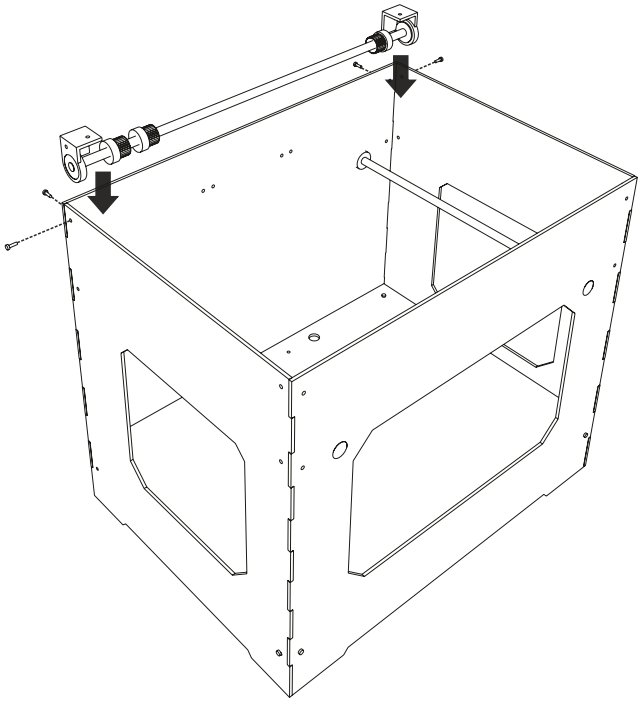
Put Y axis rods into cap holes

Step 6



Put 22 tooth pulley into rod
Put 2x16tooth pulleys onto rod
Put 2 x 608ZZ bearing onto rods ends
Put 2 x y drive rod bracket onto rod
Put short timing belt ont 22 tooth gear

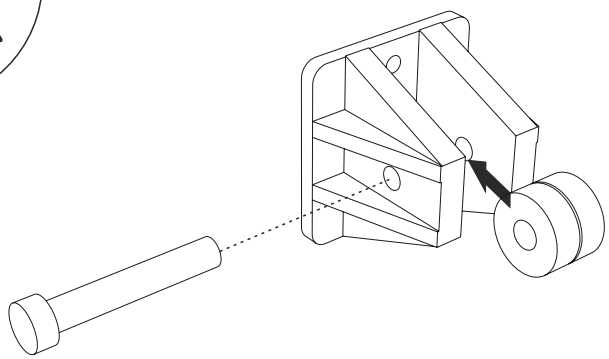
Step 7



Put Y axis drive rod into frame and use 4 M3 screws to mount it

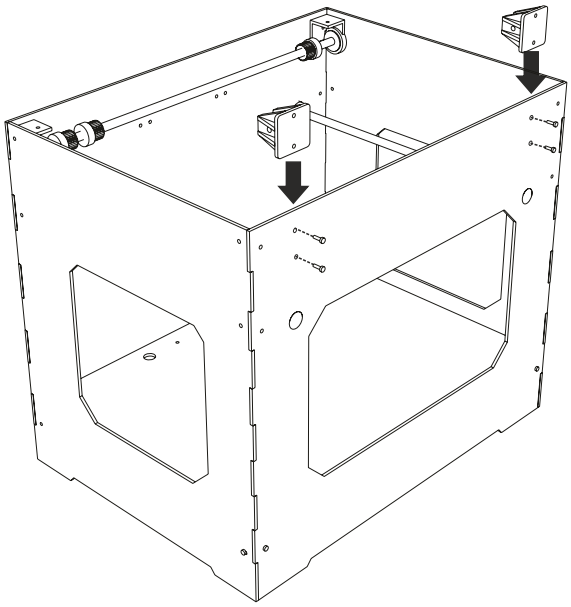
Step 8

2x



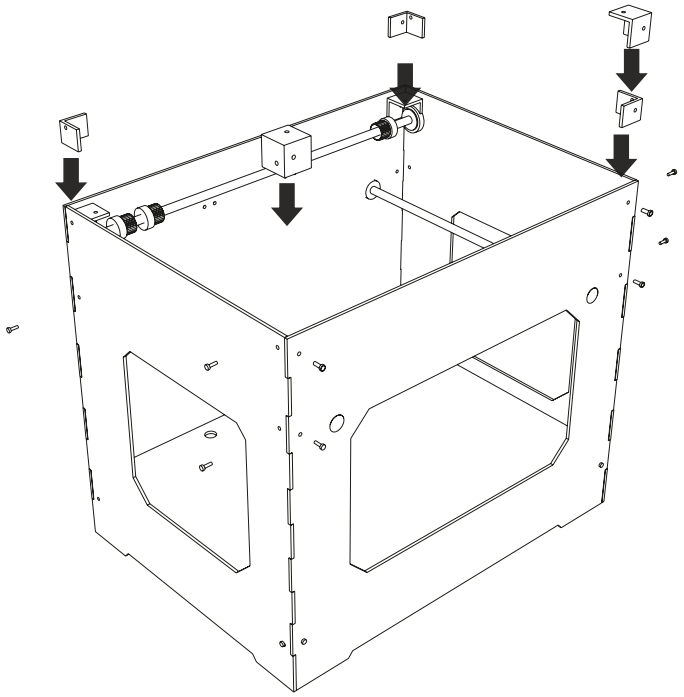
Put 2 625ZZ bearing into Y bearing holder and use M5 screw with nut to mount it

Step 9



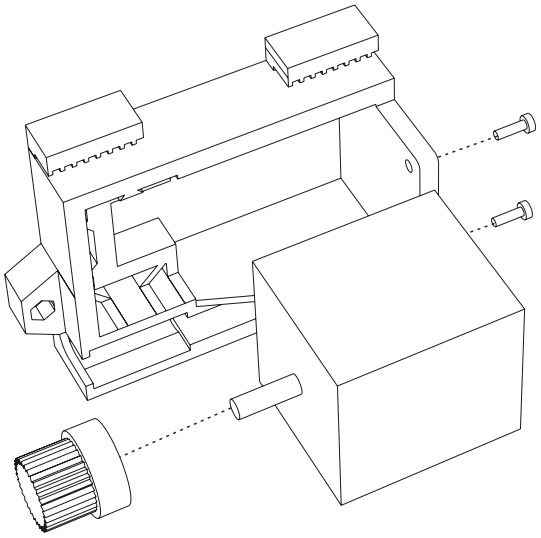
Use 4 M3 screws with nuts to mount Y bearing holders

Step 10



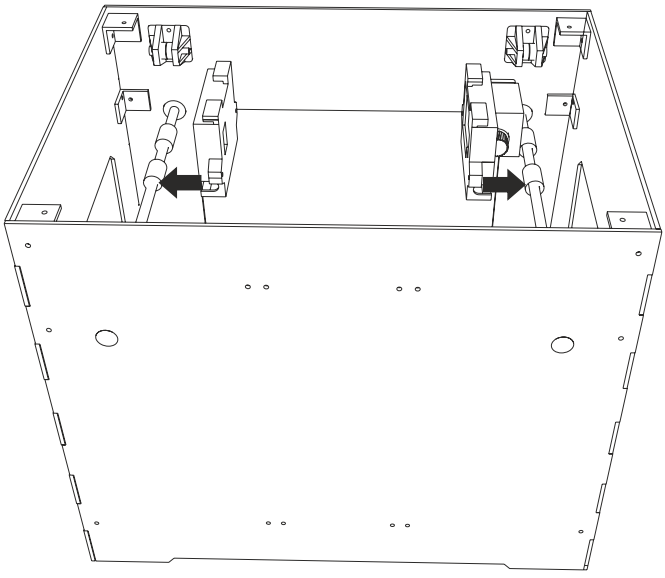
Put M3 nuts into all corners
and assembly middle corners and
front top corners with 12 M3 screws

Step 11



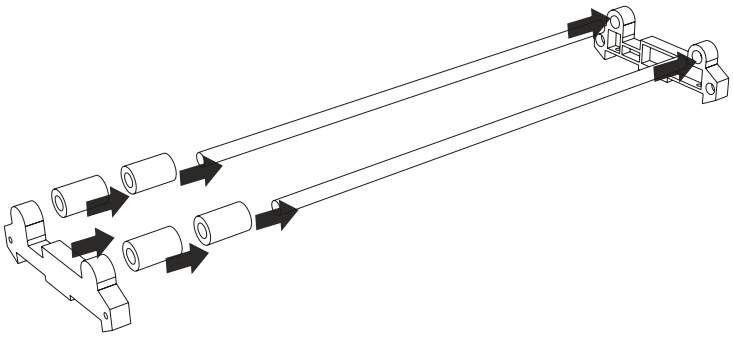
Put 14 tooth pulley onto motor
shift. Next ude 2 M3 screws to
assembly motor to x end

Step 12



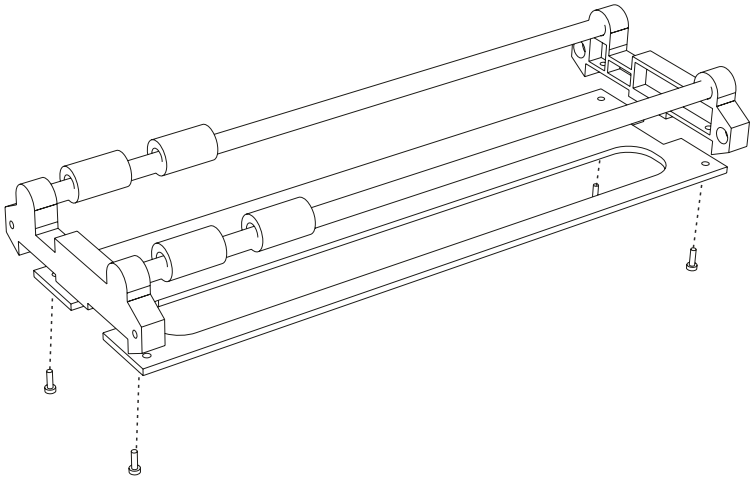
Put x end’s onto LM8UU bearings
When You looking from back
motor x end should be on the right

Step 13



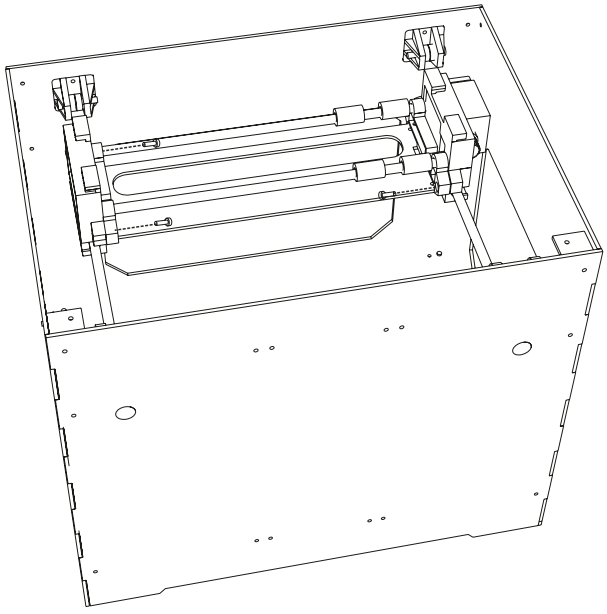
Put 2 LM8UU bearings onto both x smooth roods and Insert them onto x axis smooth rods ends

Step 14



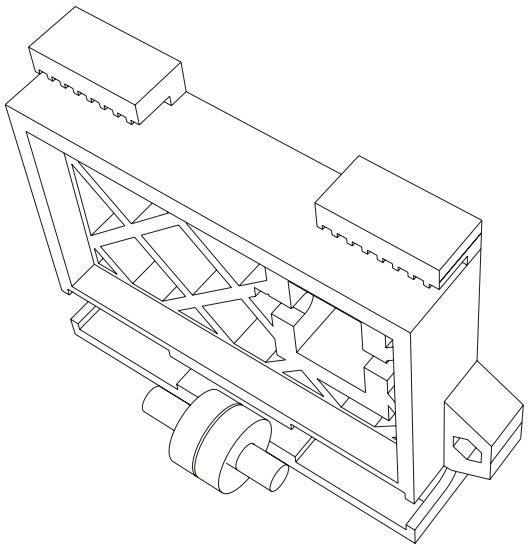
Use 4 M3 screws and nuts to assembly X plate

Step 15



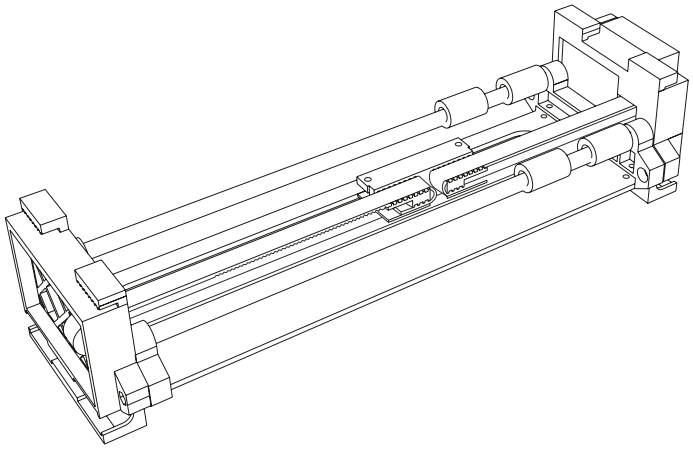
Use 4 M3 screws to mount x axis to X-ends. Place M3 nuts into x ends

Step 16



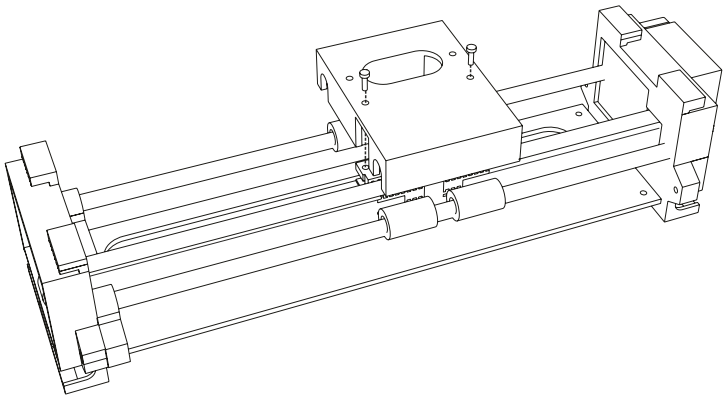
Put M3 nuts into all corners
and assembly middle corners and
front top corners with 12 M3 screws

Step 17



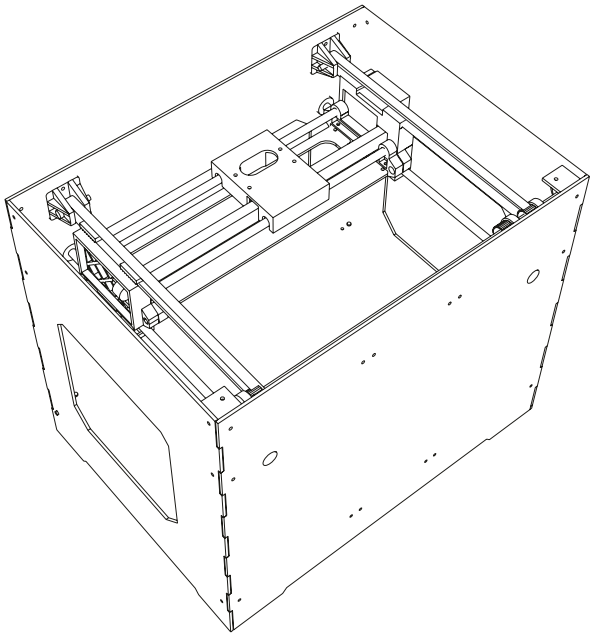
Take X timing belt put it onto X timing
pulleythrought hole over the x end
and put into X tensioner.
Check reference photos at the end

Step 18



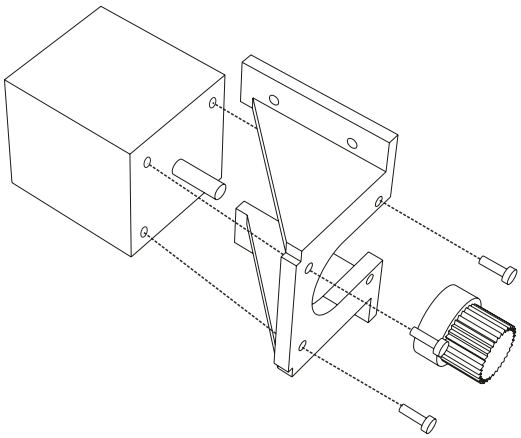
Put X carriage onto X LM8UU
bearings and use 2 M3 screws to
connect it with x tensioner

Step 19



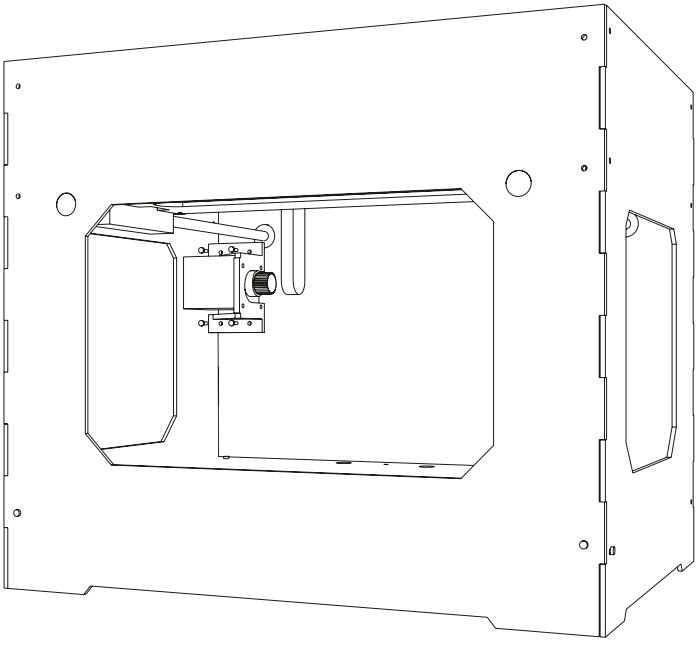
Move x axis to front position
Hook up y timing belt in the front x ends tensioners. Put belt throught front bearing next to 16 tooth timing pulleys and at the end put them into back x-ends tensioners.
Timing belt must be appropriately tensioned

Step 20



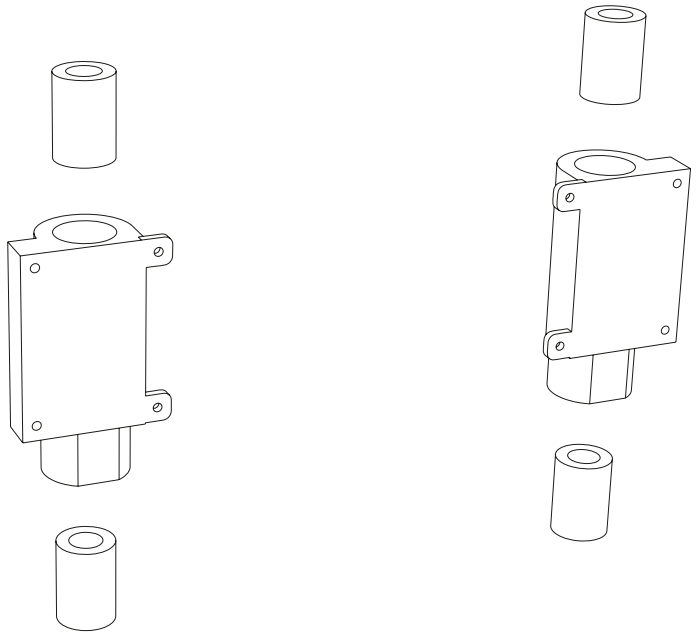
Put 14 tooth pulley onto motor shift. Next use 2 M3 screws to assembly motor to x end

Step 21



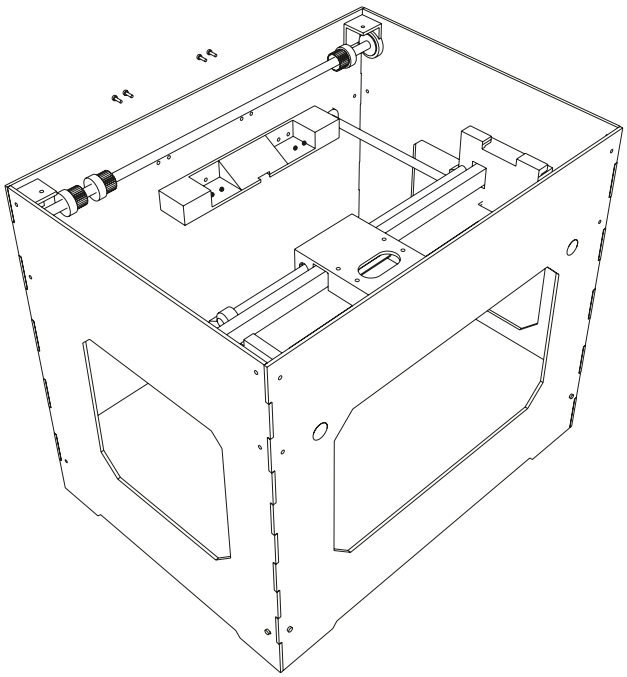
Mount Y motor to frame using 4 M3 screws and nuts. Put timing belt onto pulley before assembly

Step 22



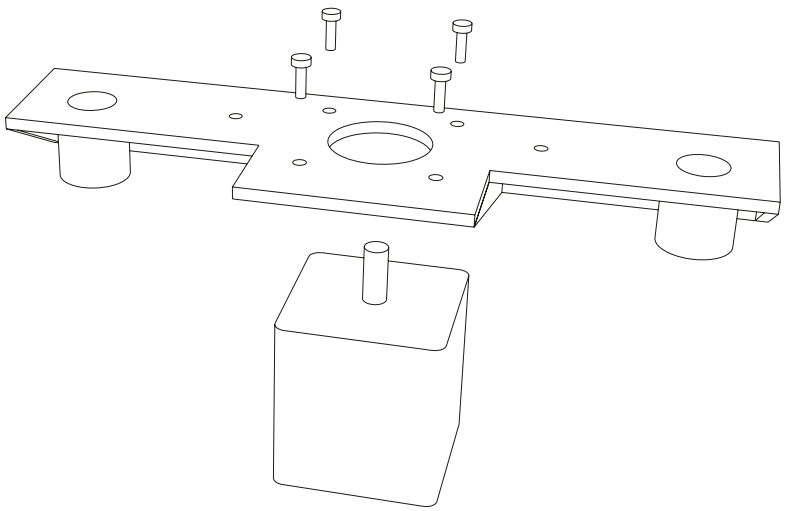
Move x axis to front position
Hook up y timing belt in the front x ends tensioners. Put belt throught front bearing next to 16 tooth timing pulleys and at the end put them into back x-ends tensioners.
Timing belt must be appropriately tensioned

Step 23



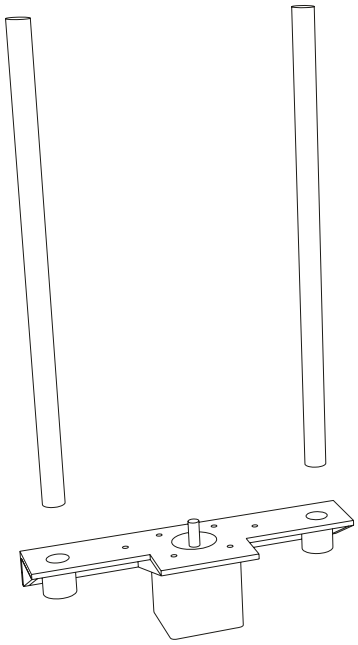
Put 14 tooth pulley onto motor shift. Next use 2 M3 screws to assembly motor to x end

Step 24



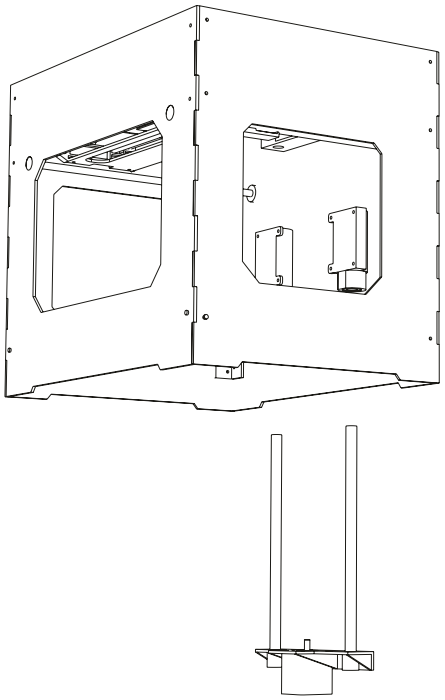
Mount Y motor to frame using 4 M3 screws and nuts. Put timing belt onto pulley before assembly

Step 25



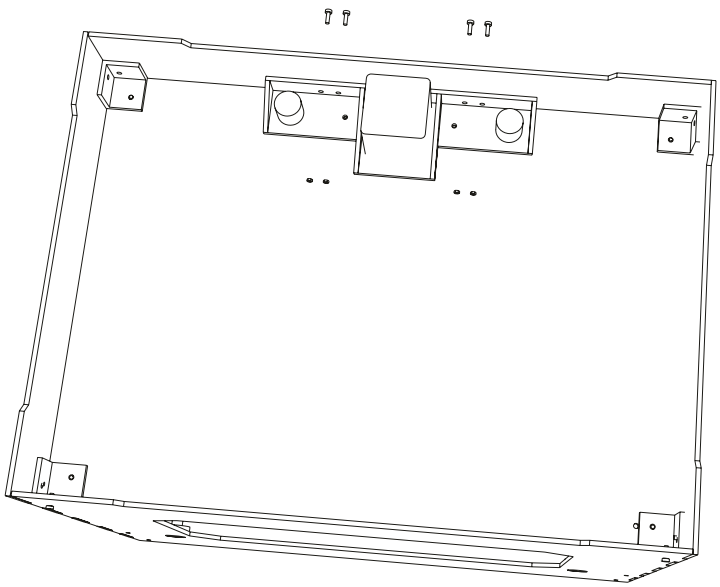
Move x axis to front position
Hook up y timing belt in the front x ends tensioners. Put belt throught front bearing next to 16 tooth timing pulleys and at the end put them into back x-ends tensioners.
Timing belt must be appropriately tensioned

Step 26



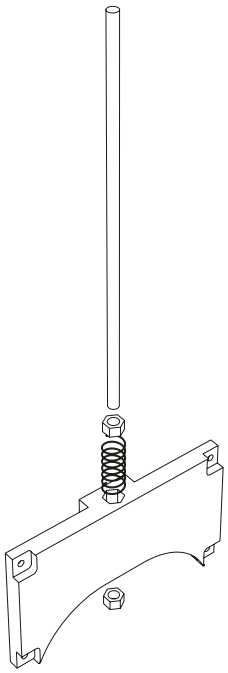
Put 14 tooth pulley onto motor shift. Next use 2 M3 screws to assembly motor to x end

Step 27



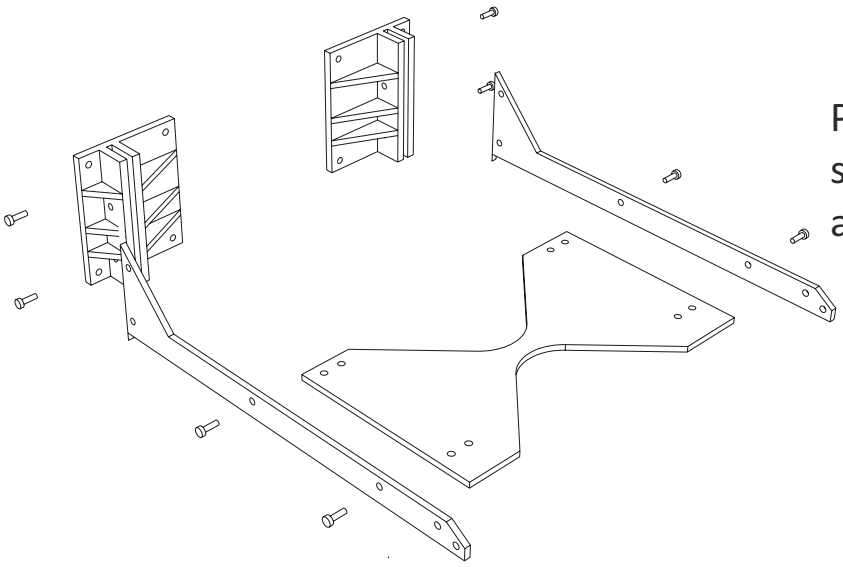
Mount Y motor to frame using 4 M3 screws and nuts. Put timing belt onto pulley before assembly

Step 28



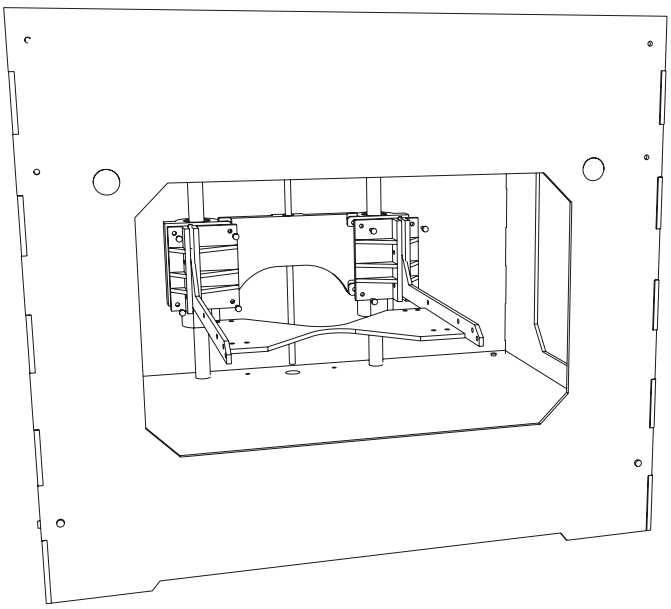
Move x axis to front position
Hook up y timing belt in the front x ends tensioners. Put belt throught front bearing next to 16 tooth timing pulleys and at the end put them into back x-ends tensioners.
Timing belt must be appropriately tensioned

Step 29



Put 14 tooth pulley onto motor shift. Next use 2 M3 screws to assembly motor to x end

Step 30



Mount Y motor to frame using 4 M3 screws and nuts. Put timing belt onto pulley before assembly