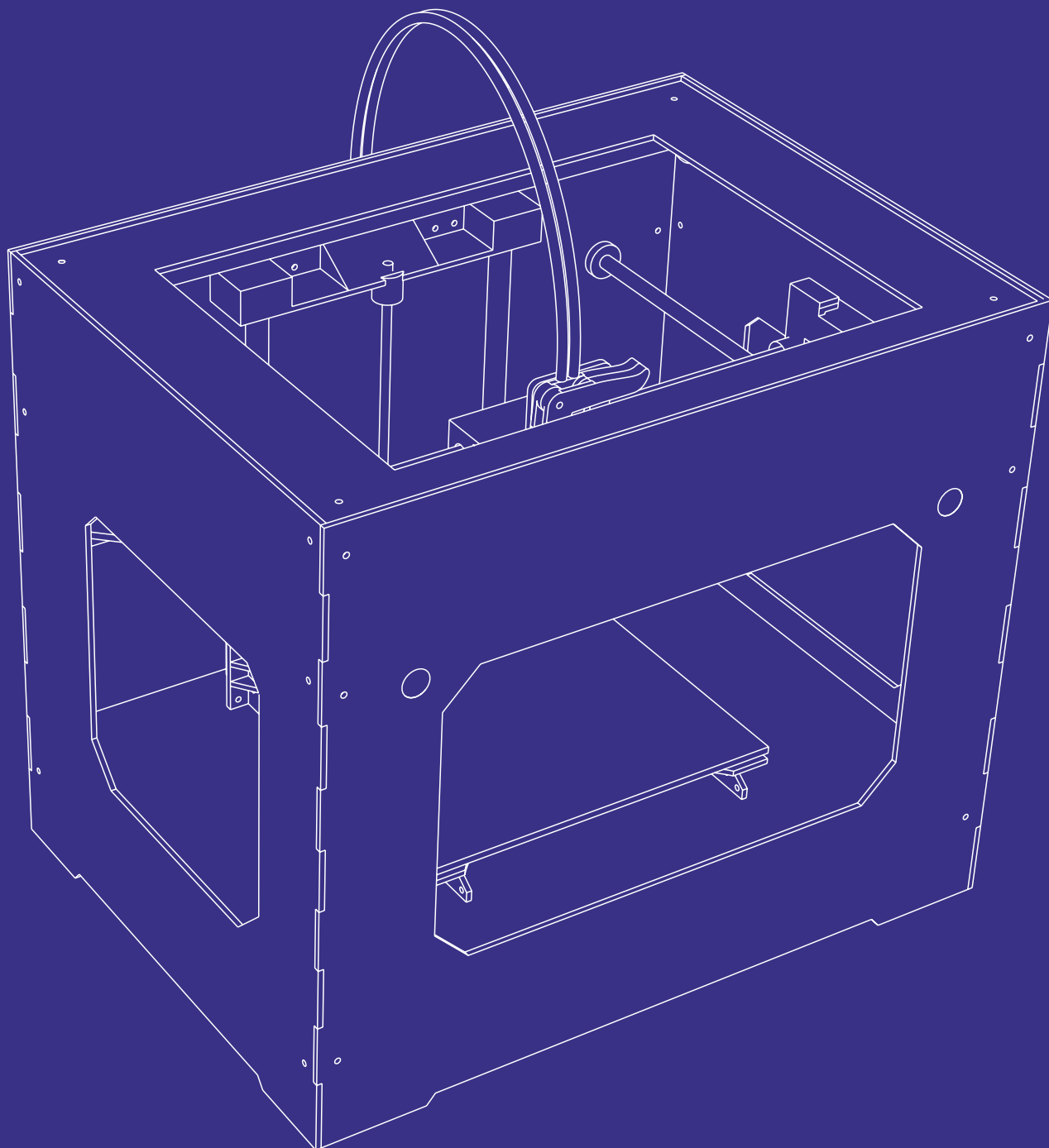


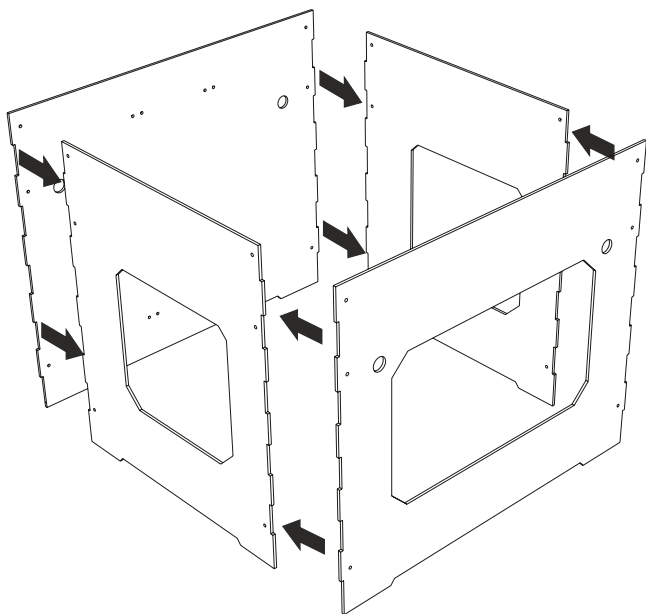
Idea Lab One

instrukcja montażu build manual



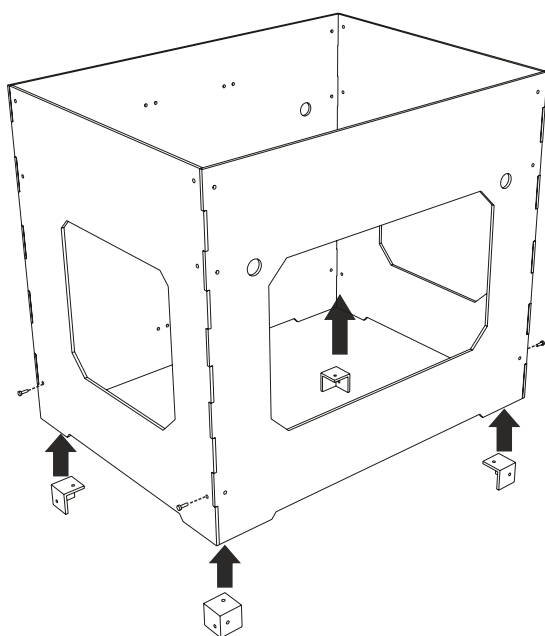
Step 1

Assembly sides of frame



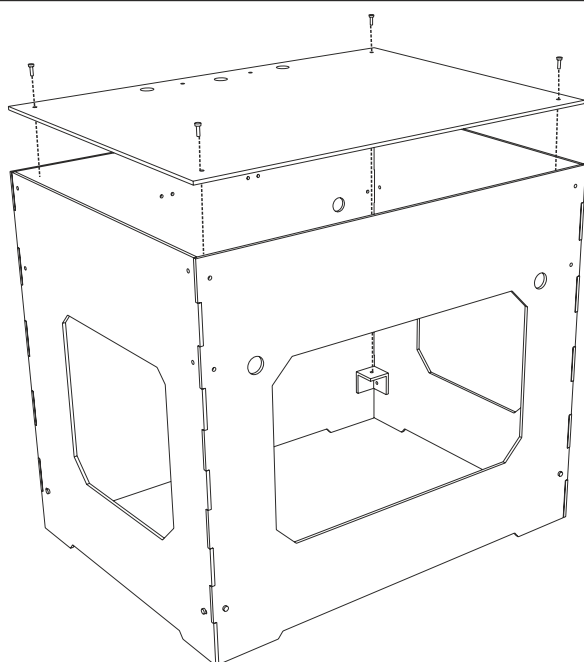
Step 2

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



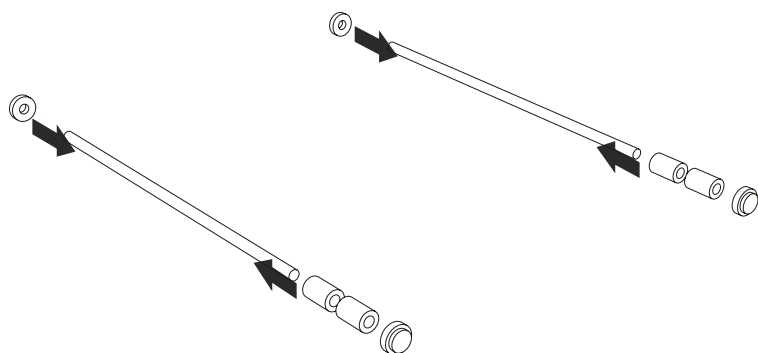
Step 3

Install bottom plate using 4 M3 screws



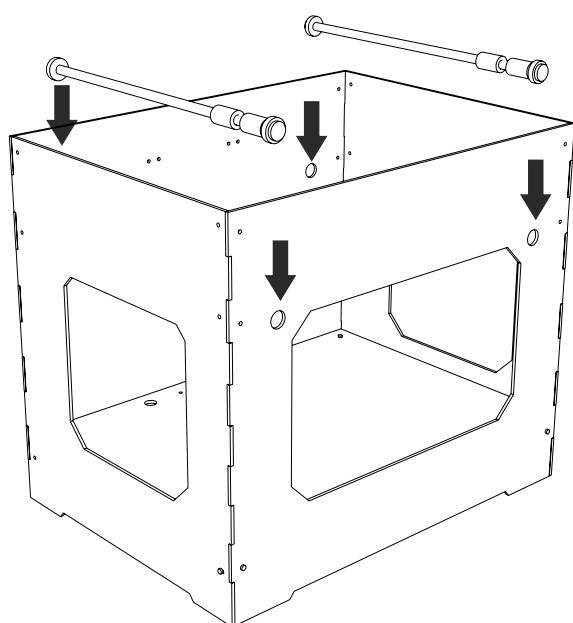
Step 4

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



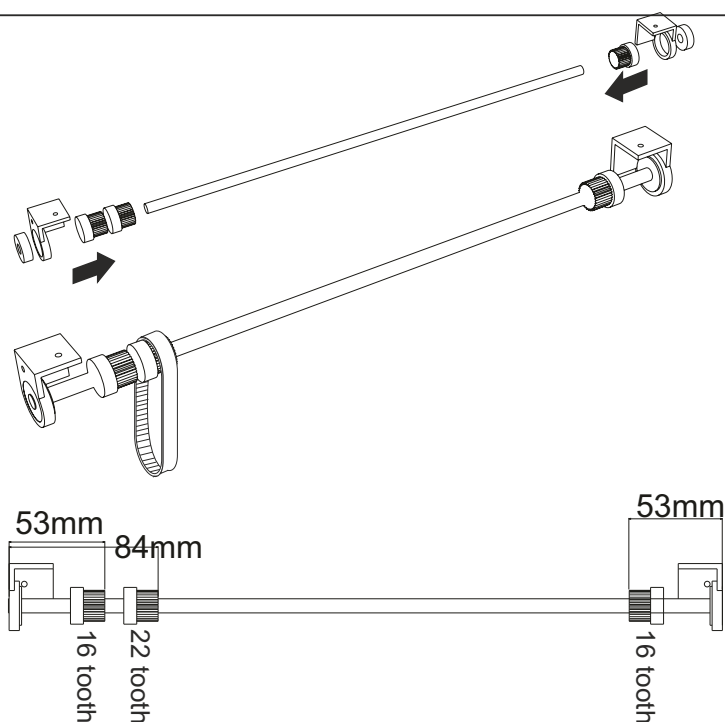
Step 5

Put Y axis rods into cap holes



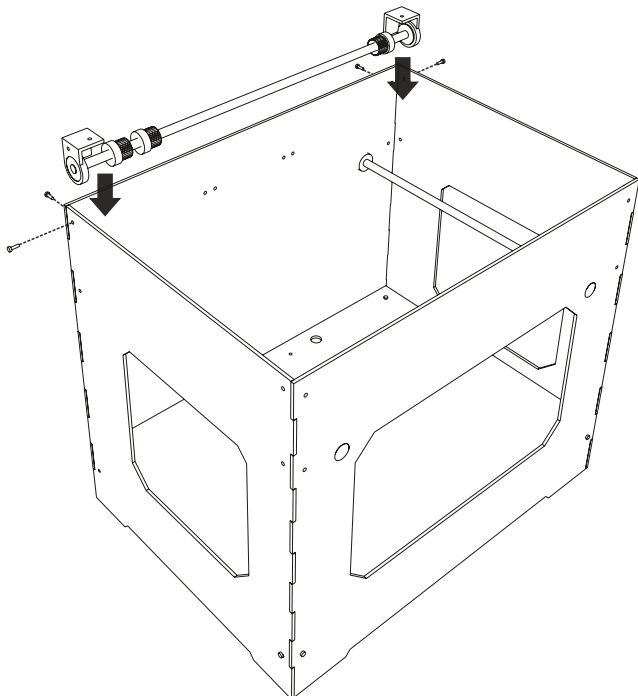
Step 6

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



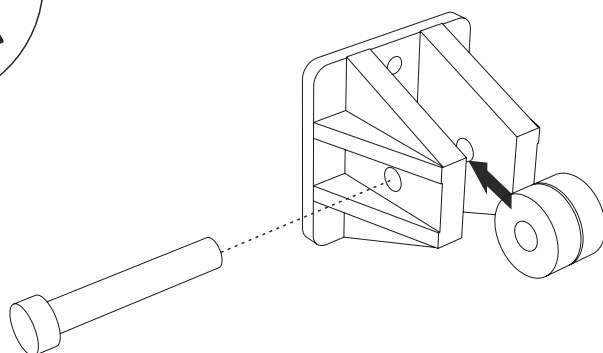
Step 7

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



Step 8

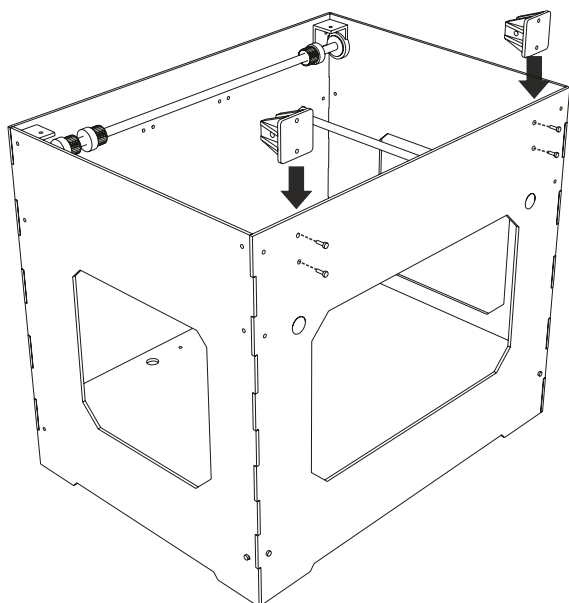
2x



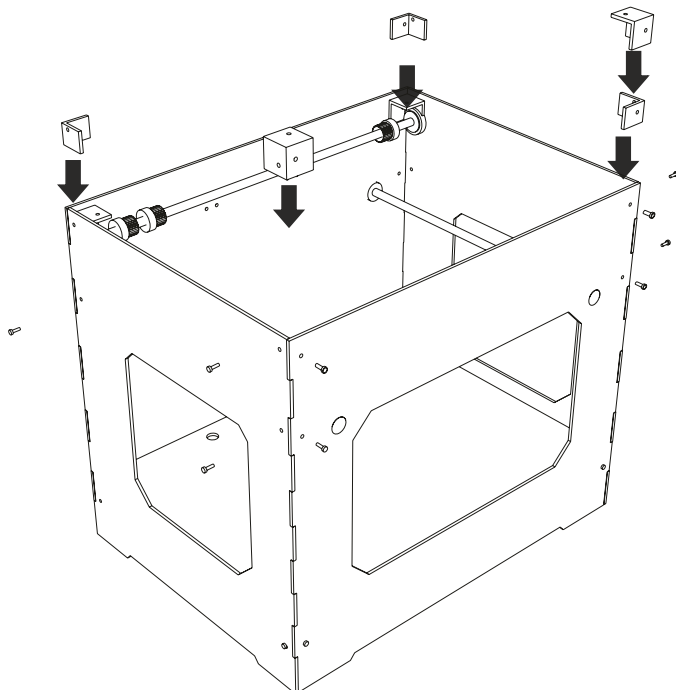
Put 2 625ZZ bearing into Y bearing holder and use M5 screw with nut to mount it

Step 9

Use 4 M3 screws with nuts to mount Y bearing holders

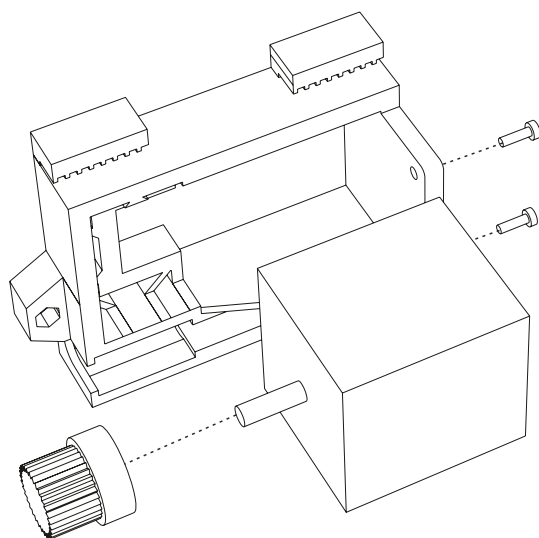


Step 10



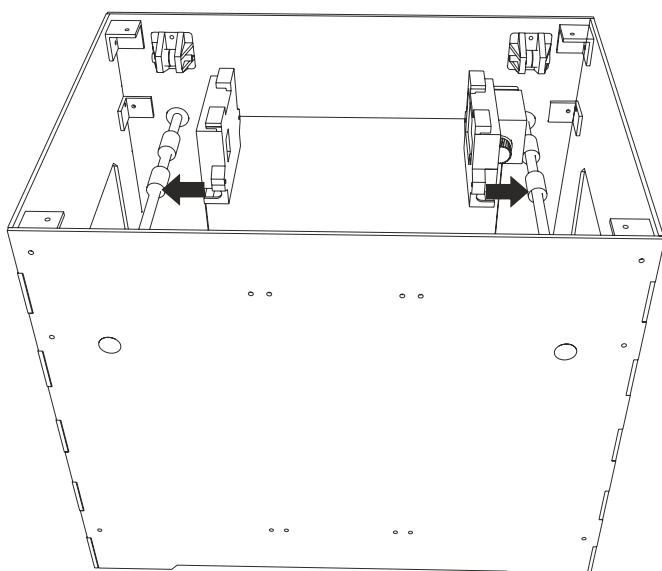
Put M3 nuts into all corners and assembly middle corners and front top corners with 12 M3 screws

Step 11



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

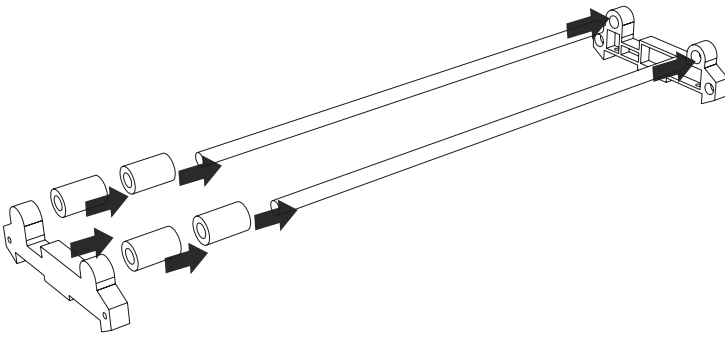
Step 12



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

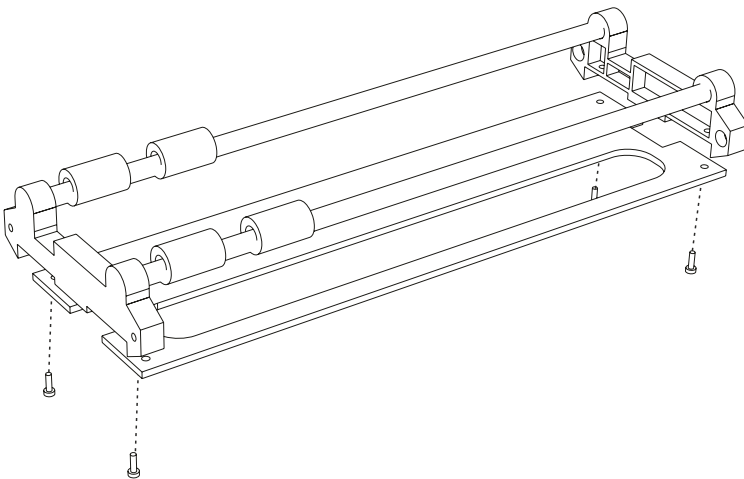
Step 13

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



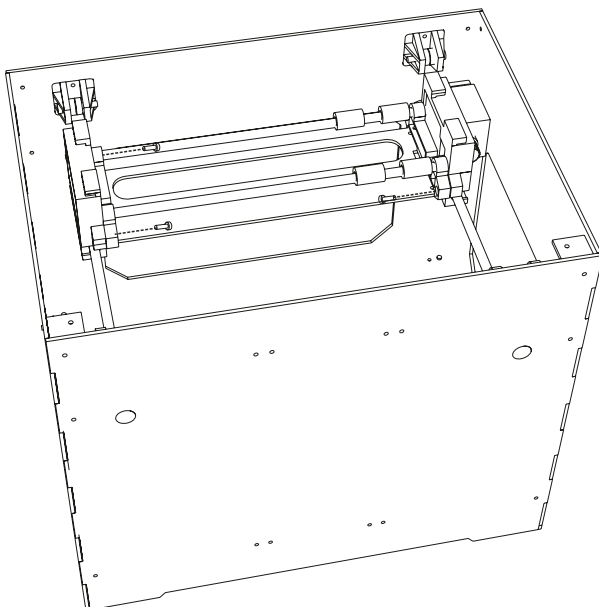
Step 14

Use 4 M3 screws and nuts to assembly X plate

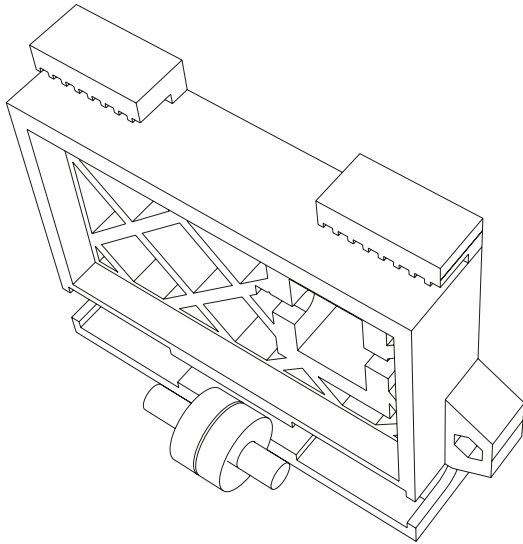


Step 15

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

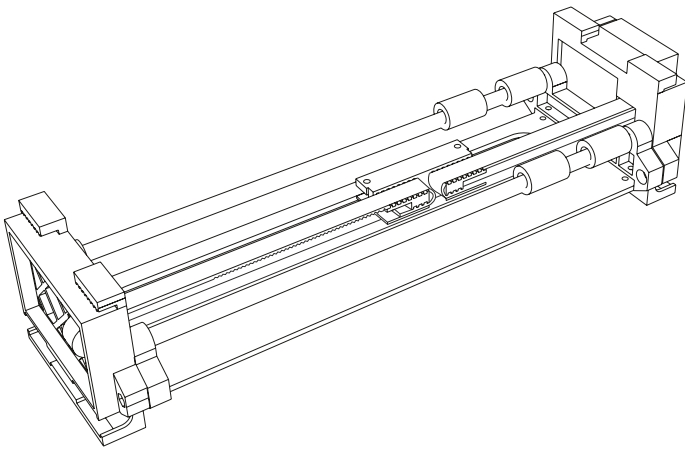


Step 16



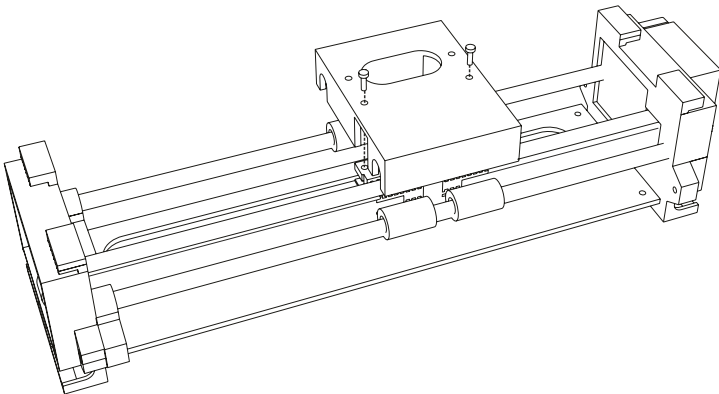
Put M3 nuts into all corners and assembly middle corners and front top corners with 12 M3 screws

Step 17



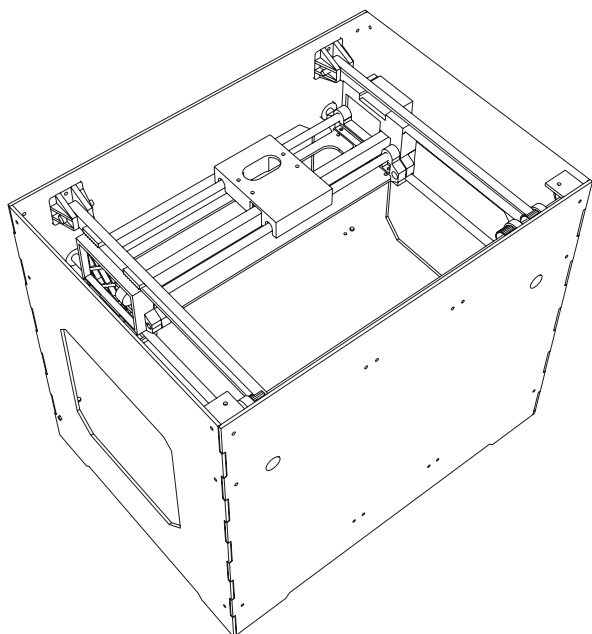
Take X timing belt put it onto X timing pulley through hole over the x end and put into X tensioner.
Check reference photos at the end

Step 18



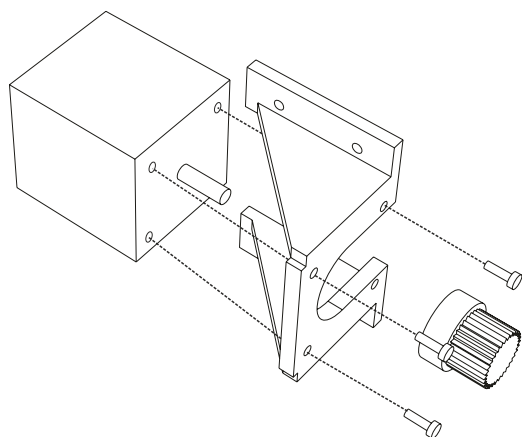
Put X carriage onto X LM8UU bearings and use 2 M3 screws to connect it with x tensioner

Step 19



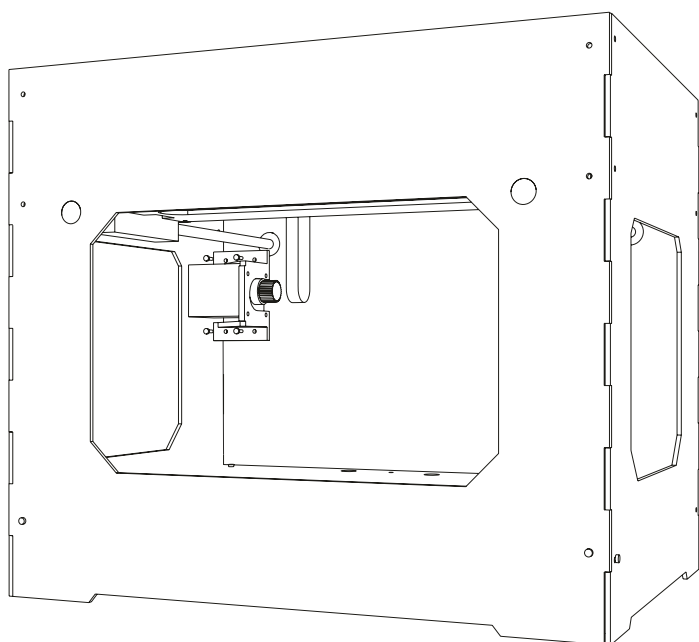
Move x axis to front position
Hook up y timing belt in the front
x ends tensioners. Put belt through
front bearing next to 16 tooth timing
pulleys and at the end put them
into back x-ends tensioners.
Timing belt must be appropriately
tensioned

Step 20



Put 14 tooth pulley onto motor
shaft. Next use 2 M3 screws to
assemble motor to x end

Step 21



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