

Plotsi_v4 Assembly Overview

Plotsi is an early-ish Piccolo prototype, so these diagrams are a rough overview of how to assemble the design. If you have any doubts or questions please let us know!

many thanks,
the piccolo team.

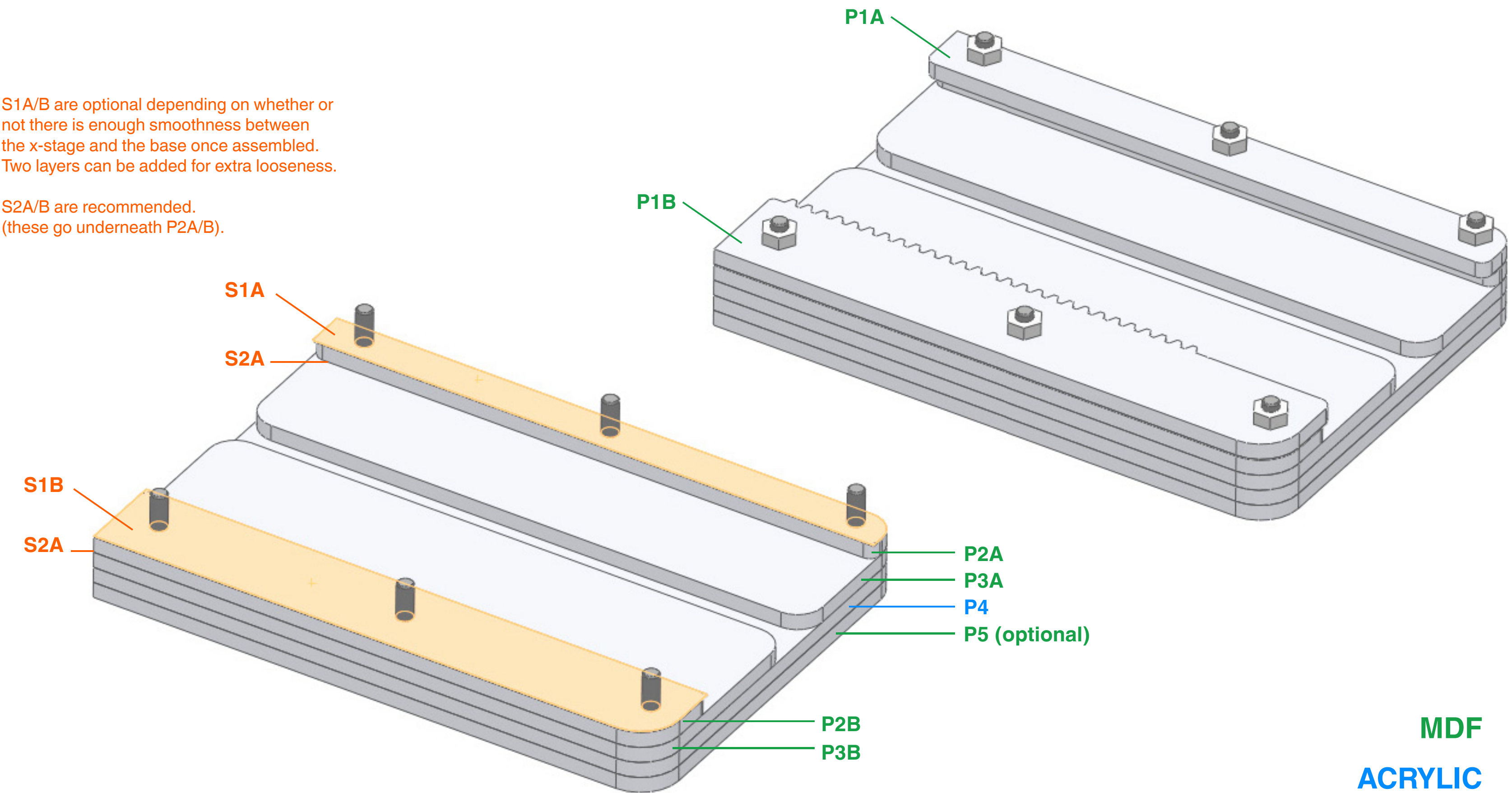
piccolo@diatom.cc

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piccolo
by diatom studio

S1A/B are optional depending on whether or not there is enough smoothness between the x-stage and the base once assembled. Two layers can be added for extra looseness.

S2A/B are recommended. (these go underneath P2A/B).



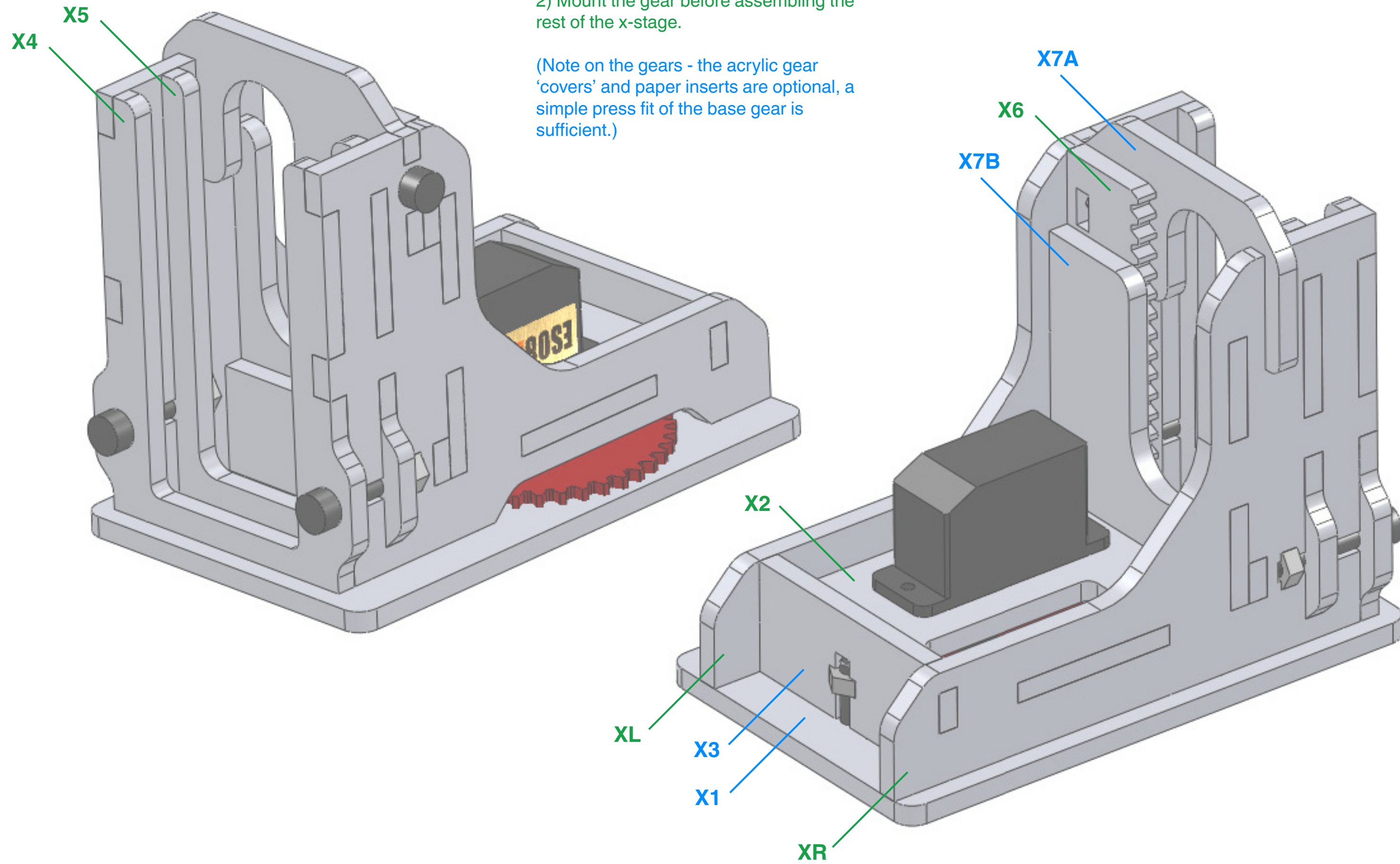
Base

MDF
ACRYLIC
PAPER SPACERS

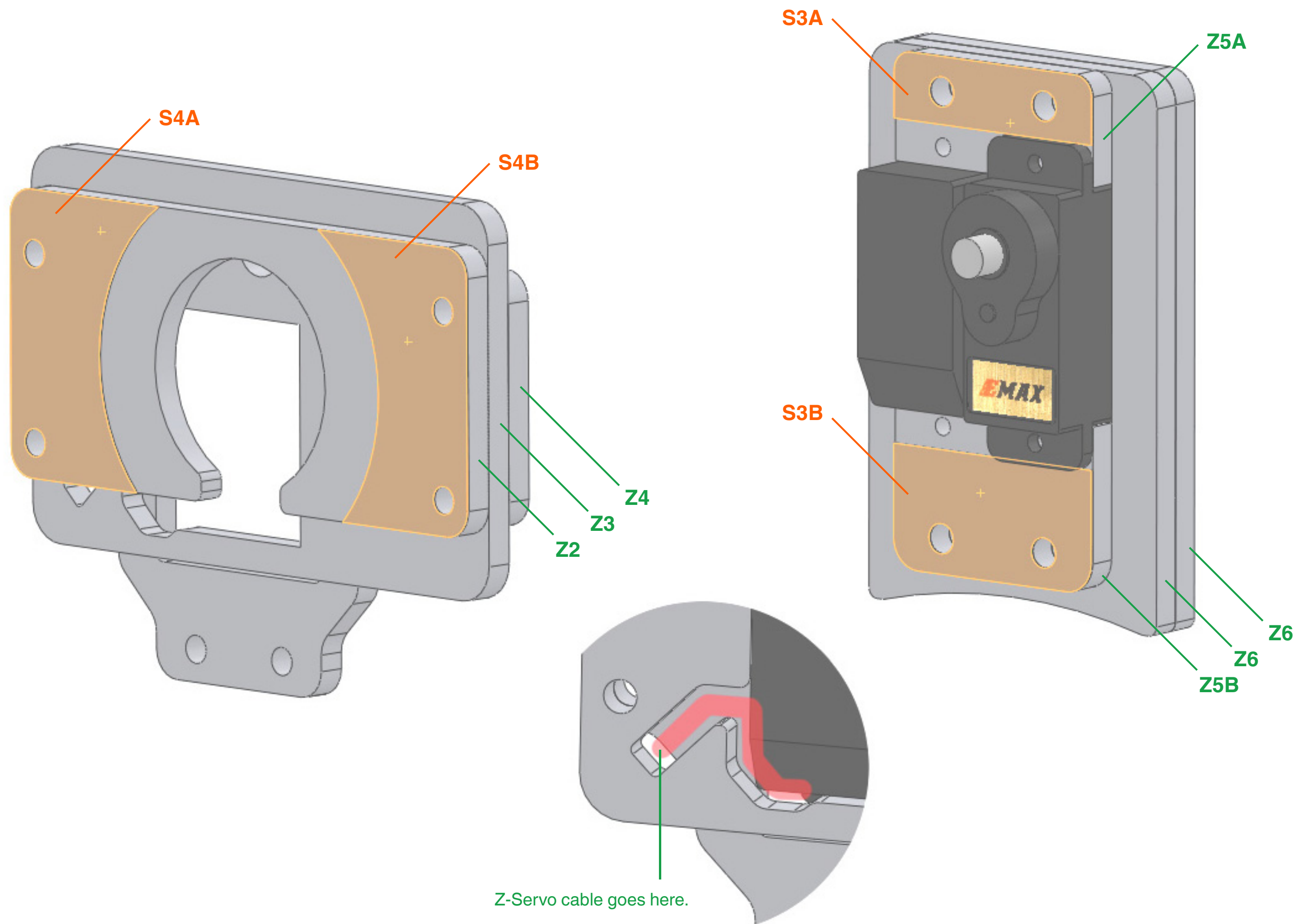
1) Attach a servo to part X2 first.

2) Mount the gear before assembling the rest of the x-stage.

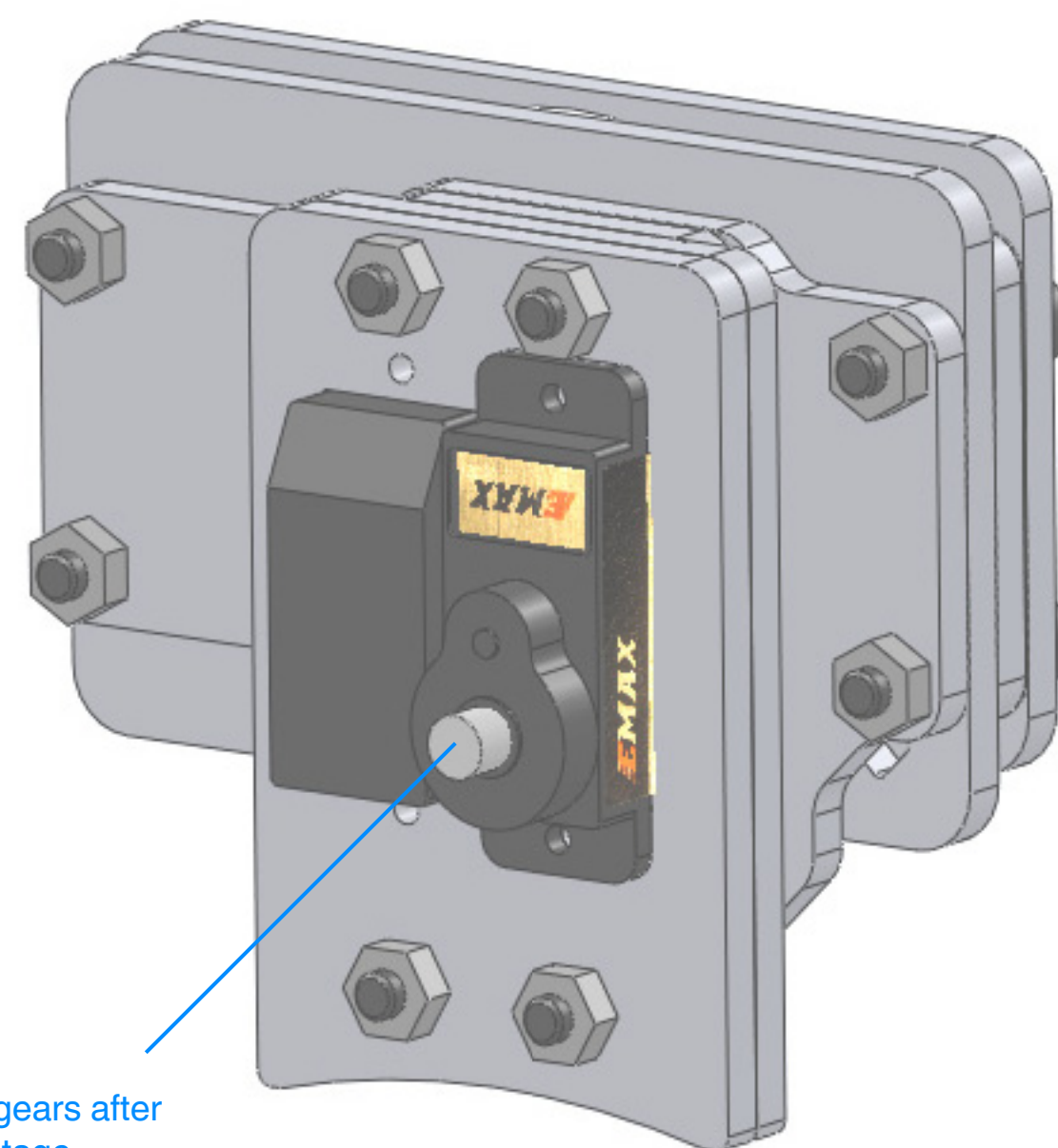
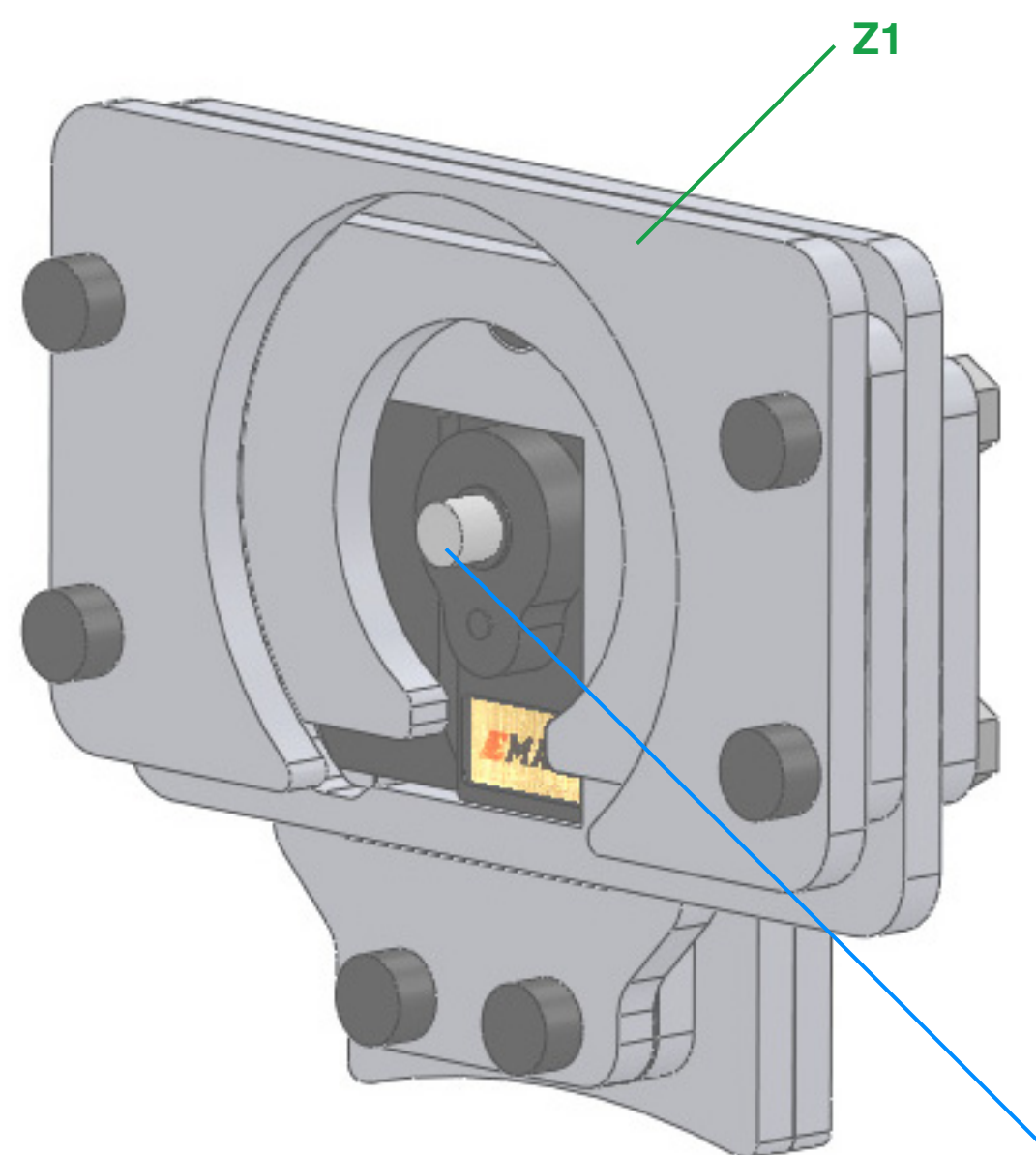
(Note on the gears - the acrylic gear 'covers' and paper inserts are optional, a simple press fit of the base gear is sufficient.)



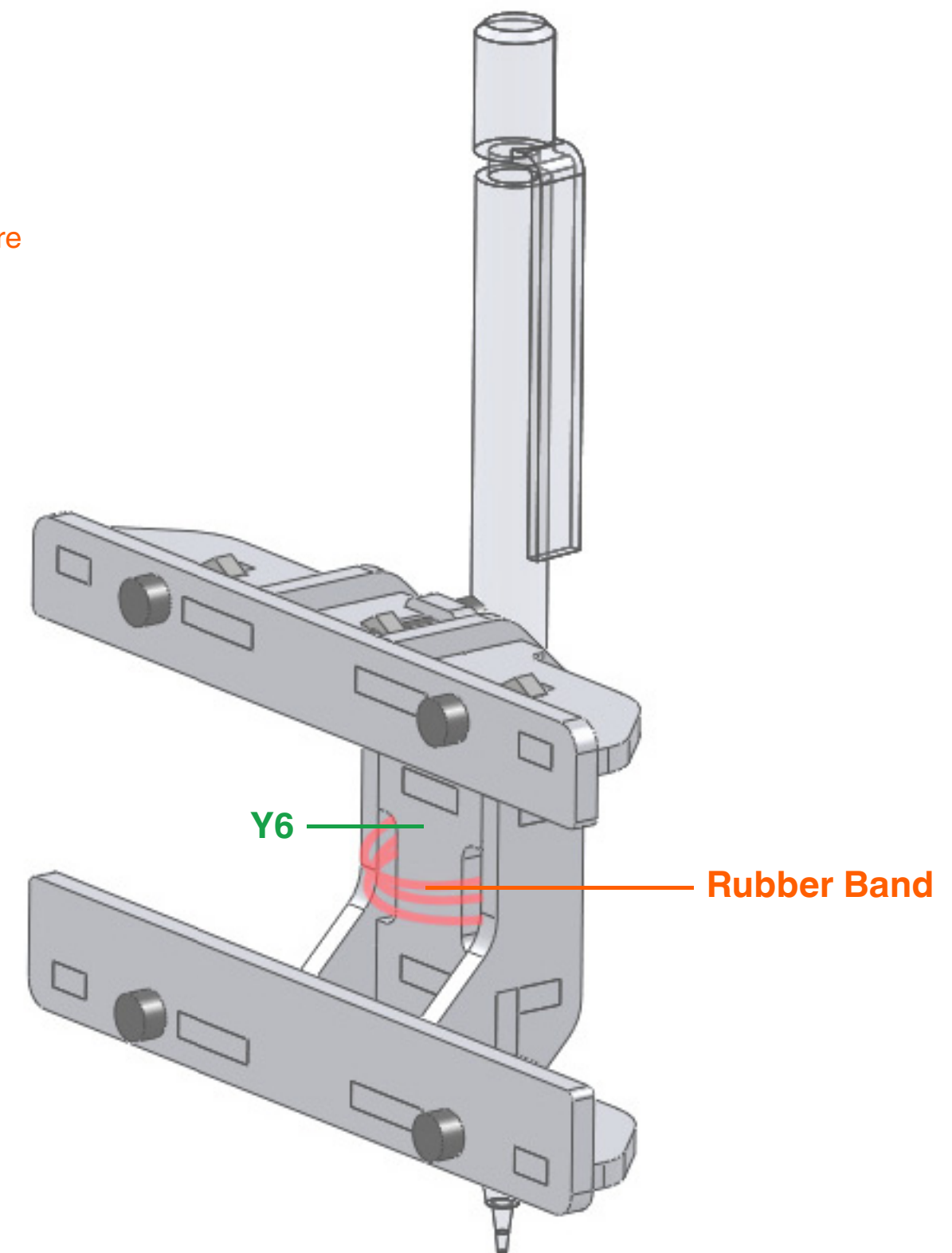
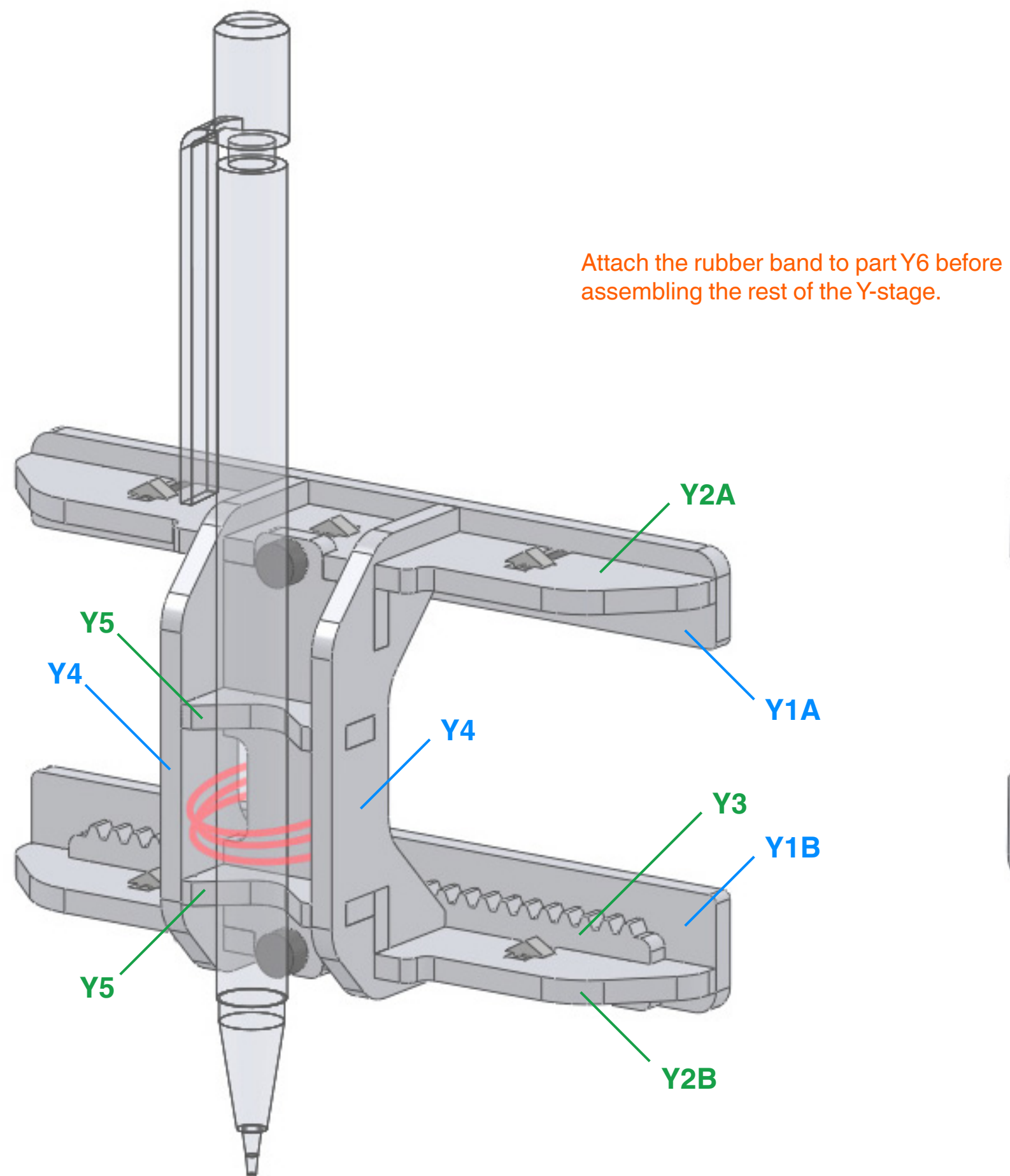
X-Stage



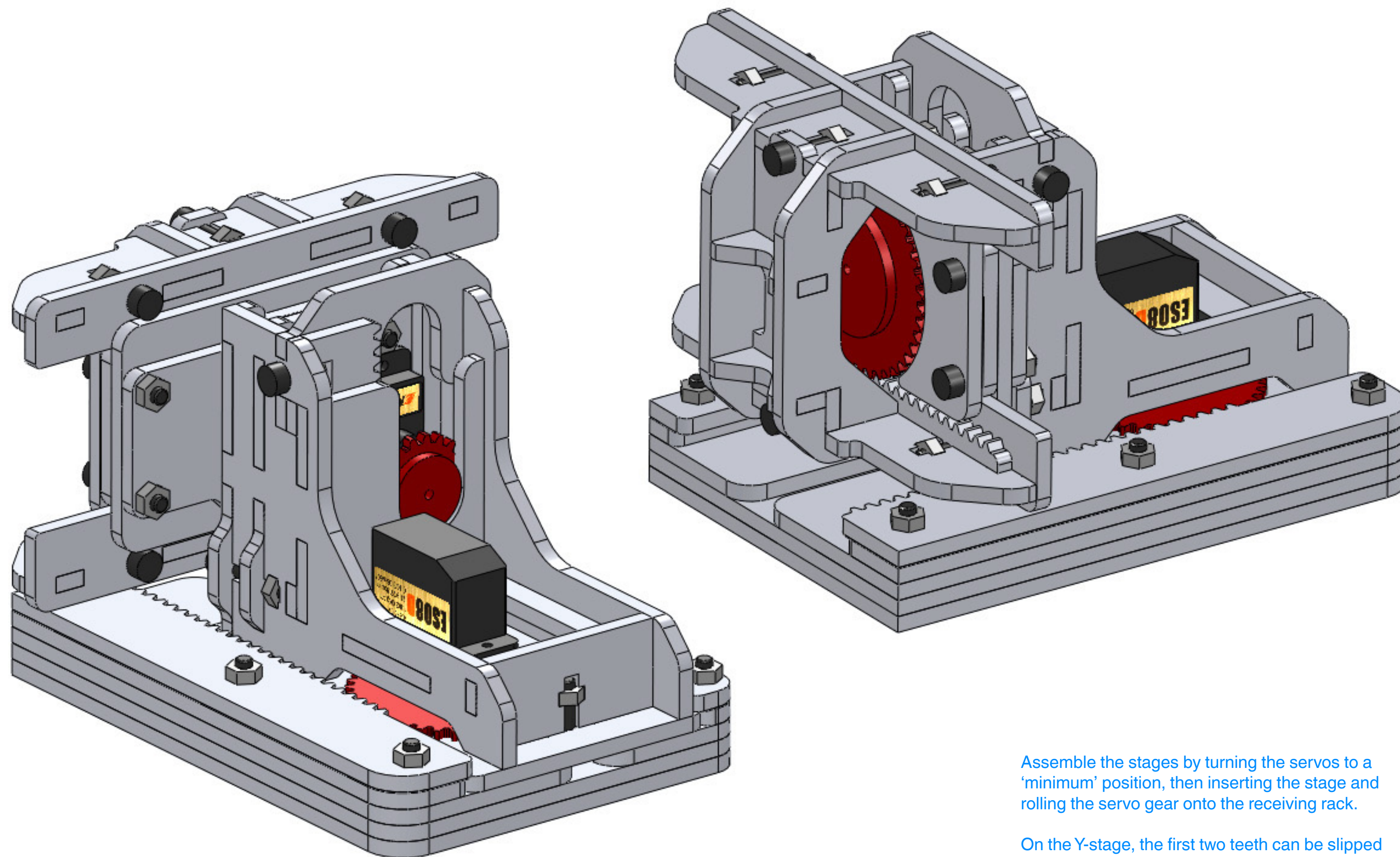
Z-Stage



Attach the Y and Z gears after assembling this Z-stage.



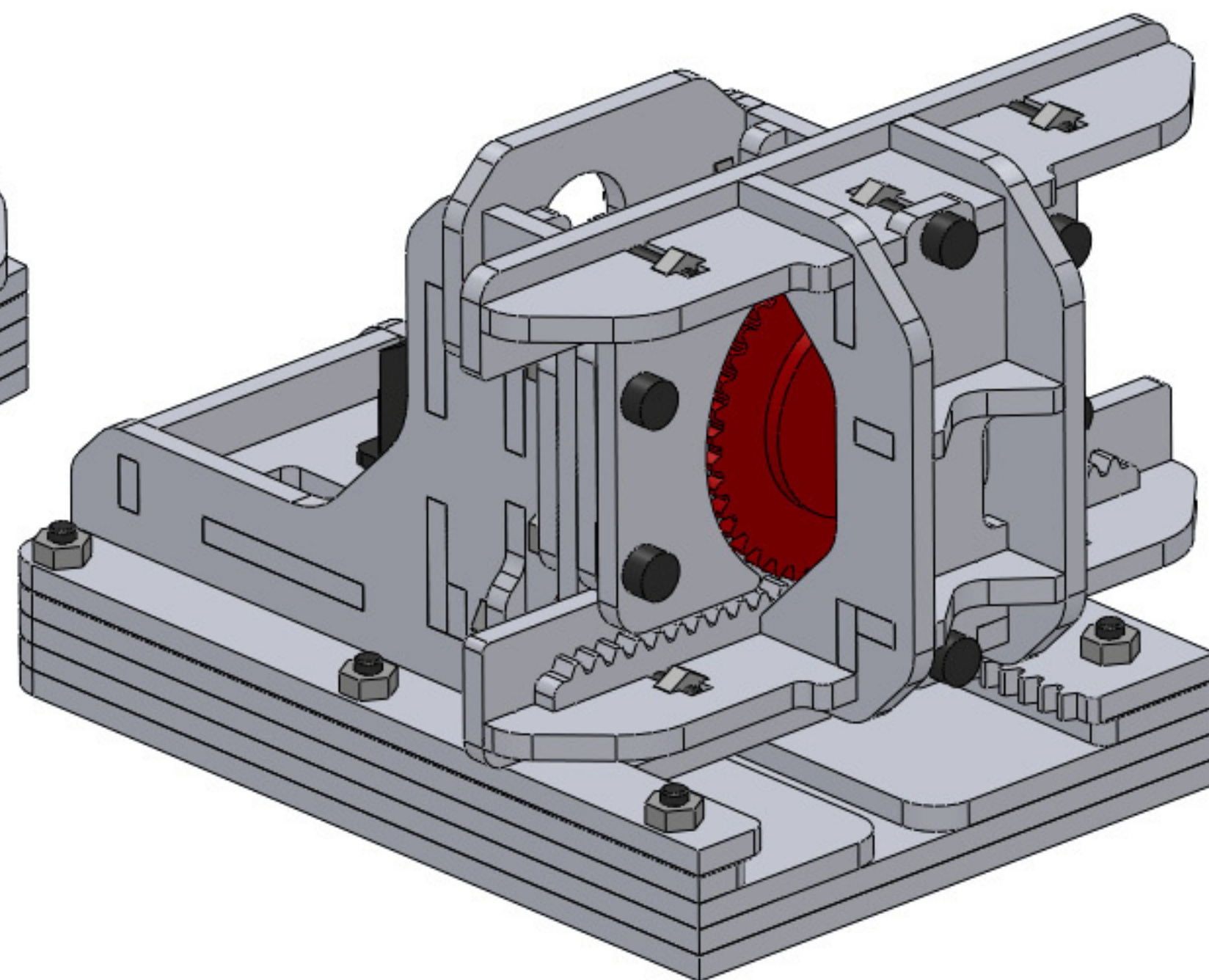
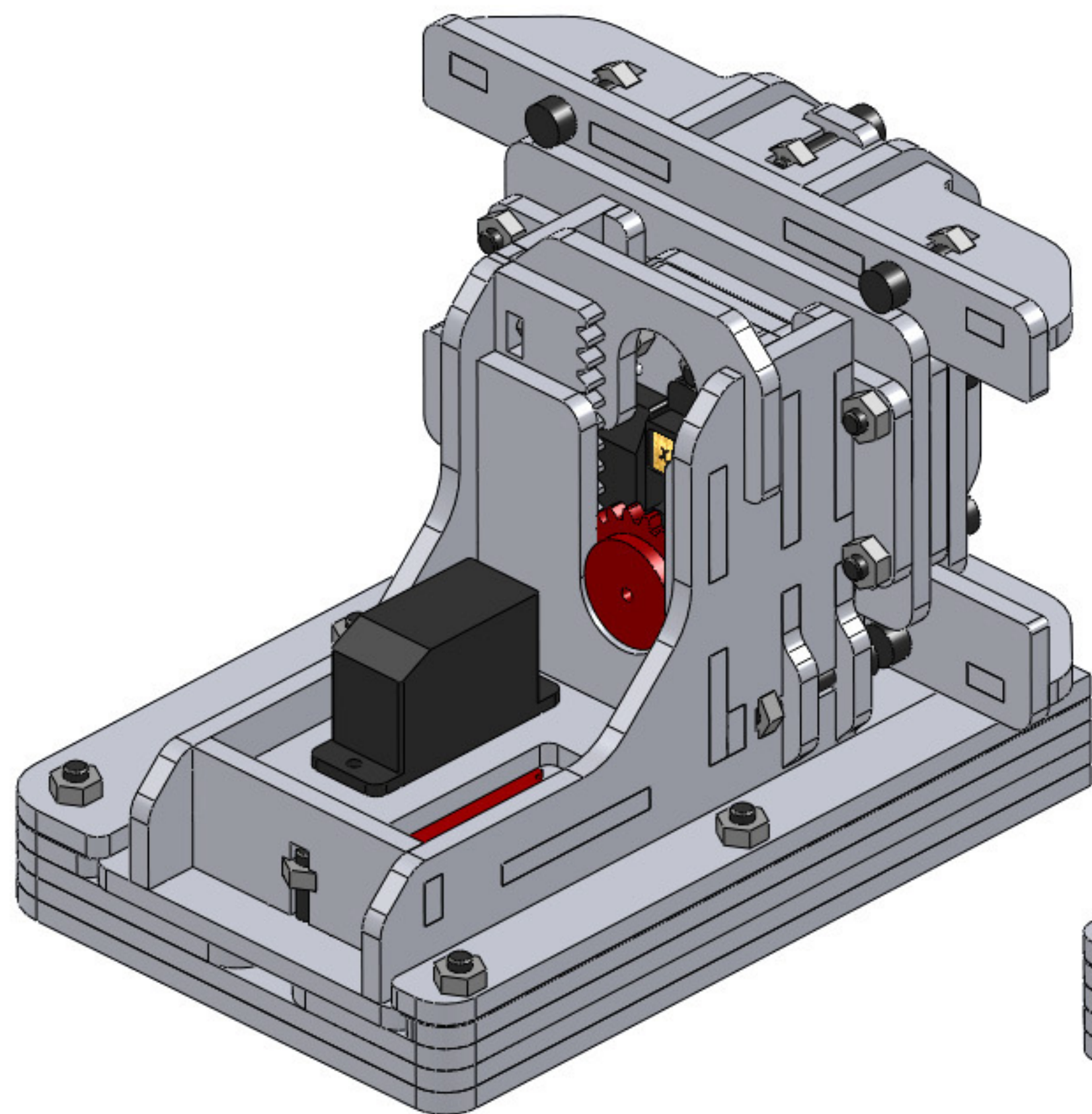
Y-Stage

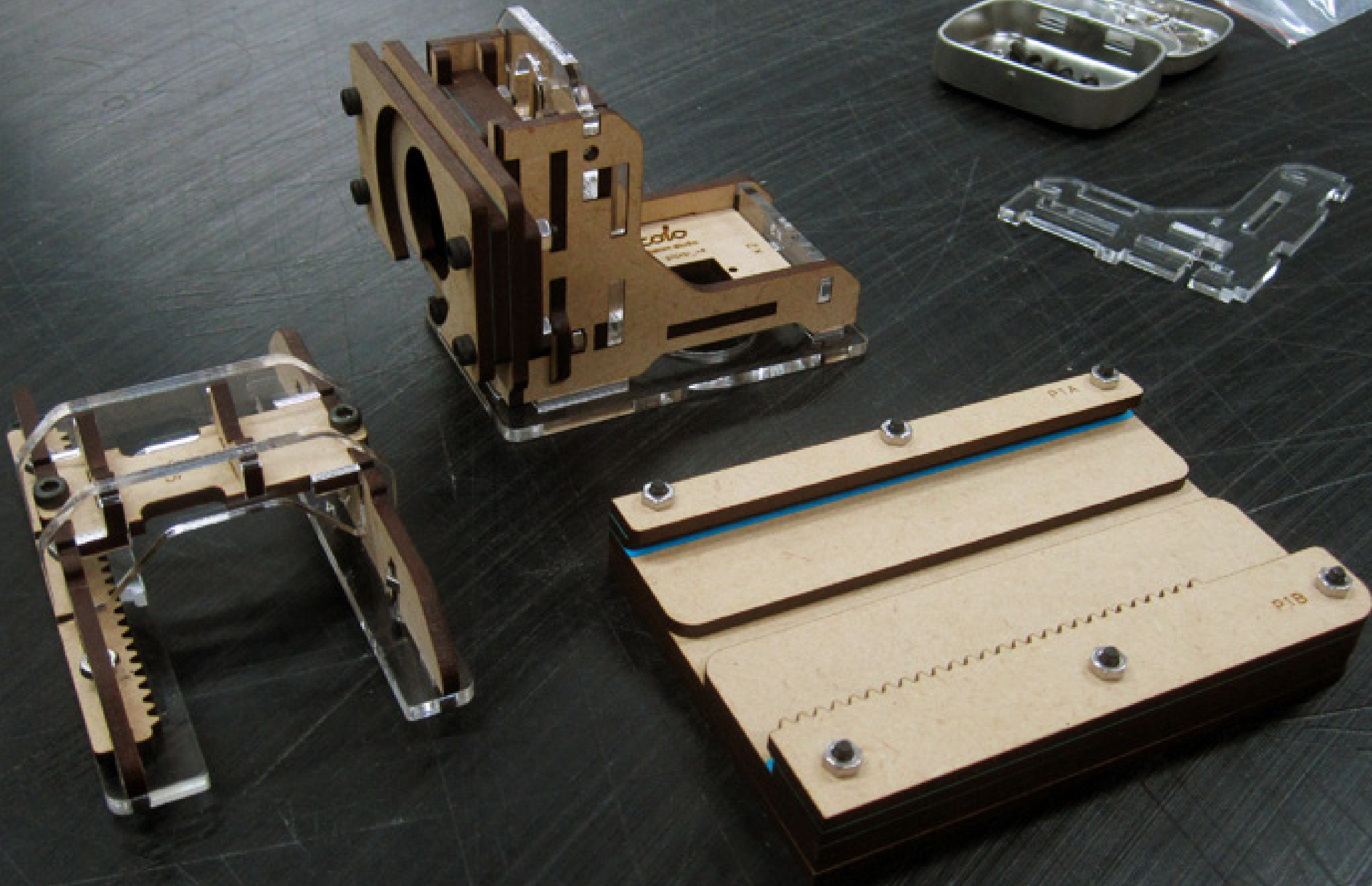


Assemble the stages by turning the servos to a 'minimum' position, then inserting the stage and rolling the servo gear onto the receiving rack.

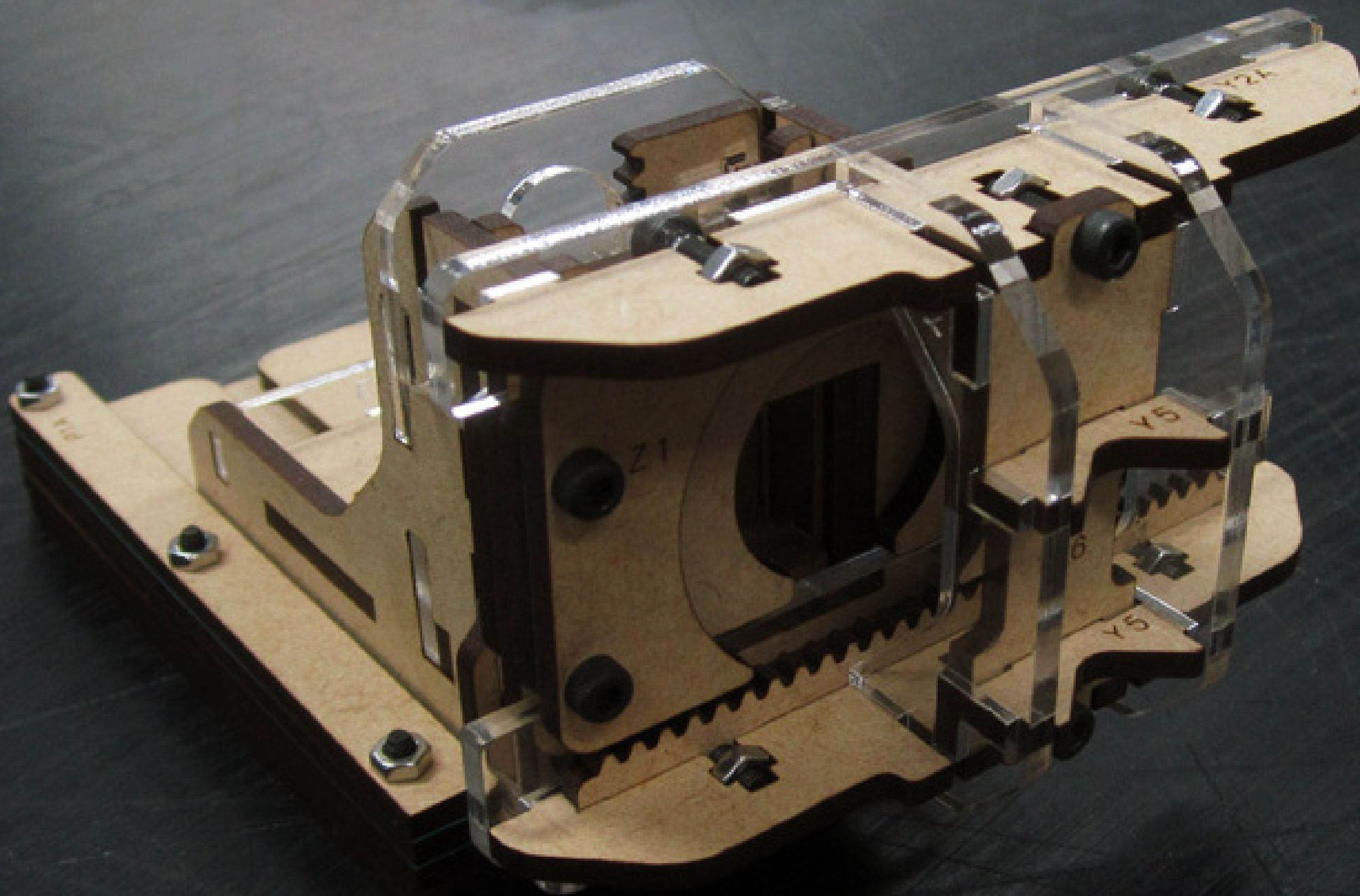
On the Y-stage, the first two teeth can be slipped onto the stationary gear to better center the Y-servo.

Assembled





note: no servos mounted in this pics



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