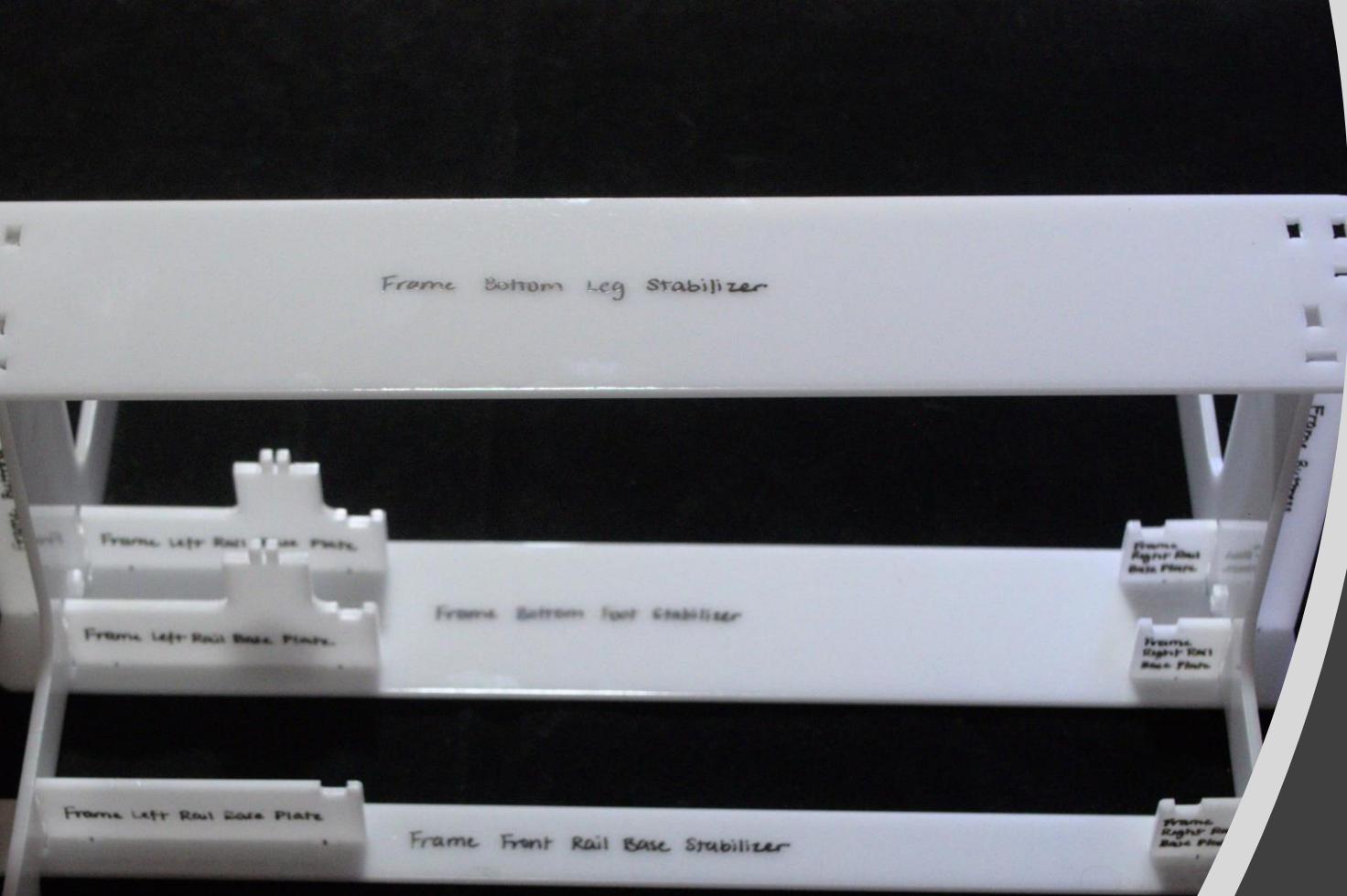


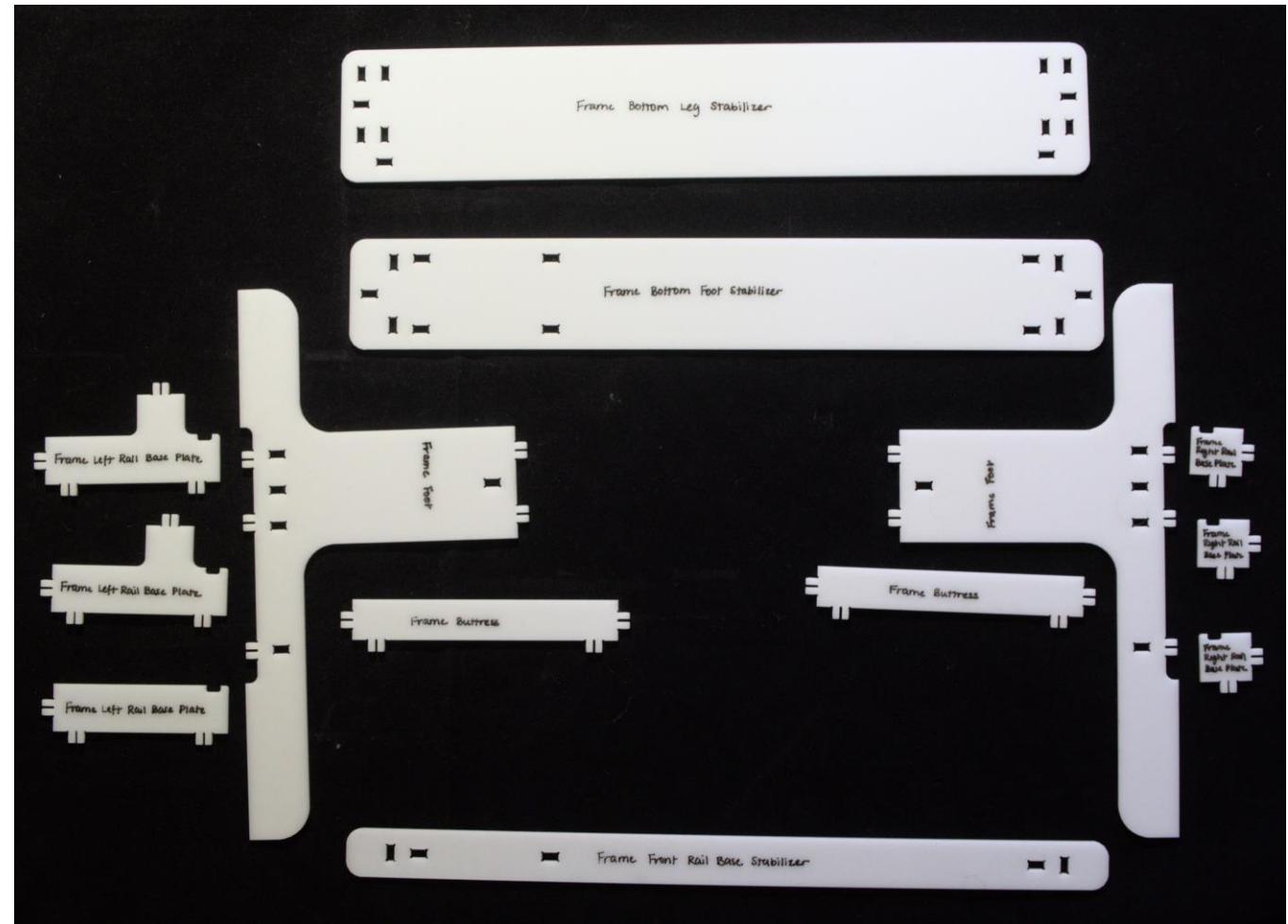


LHR Assembly of Laser Cut Parts

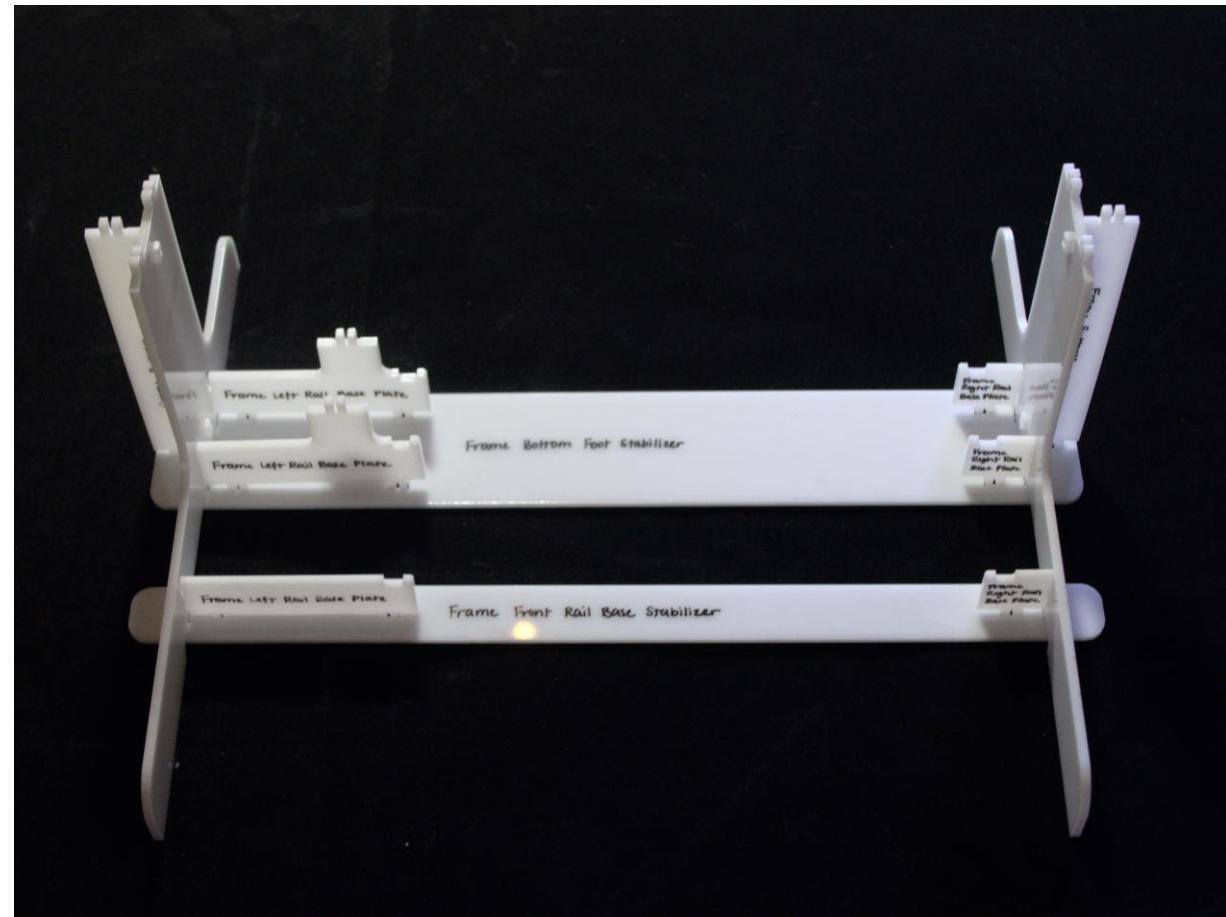
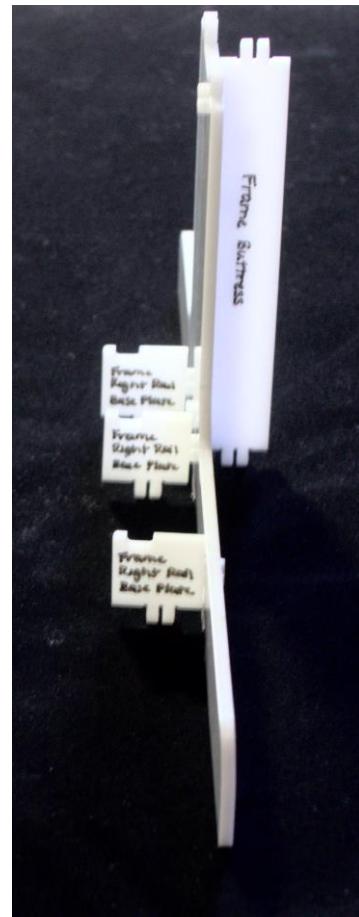
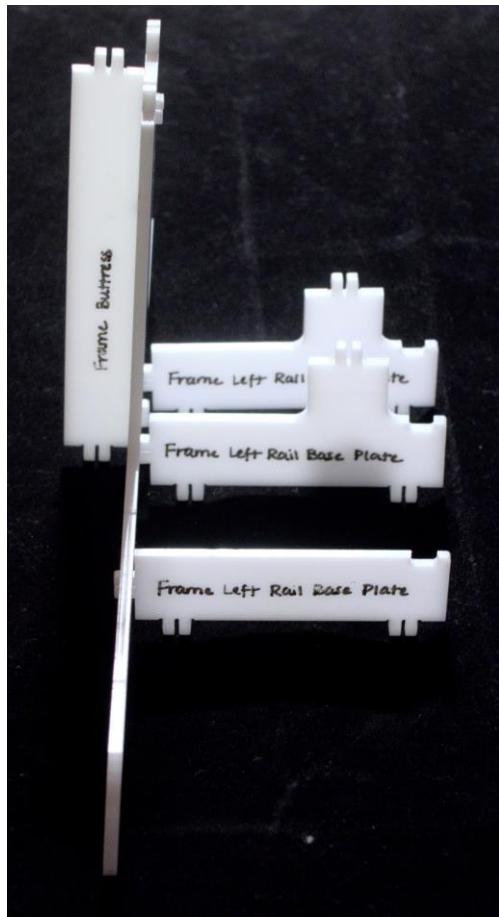


LHR Base

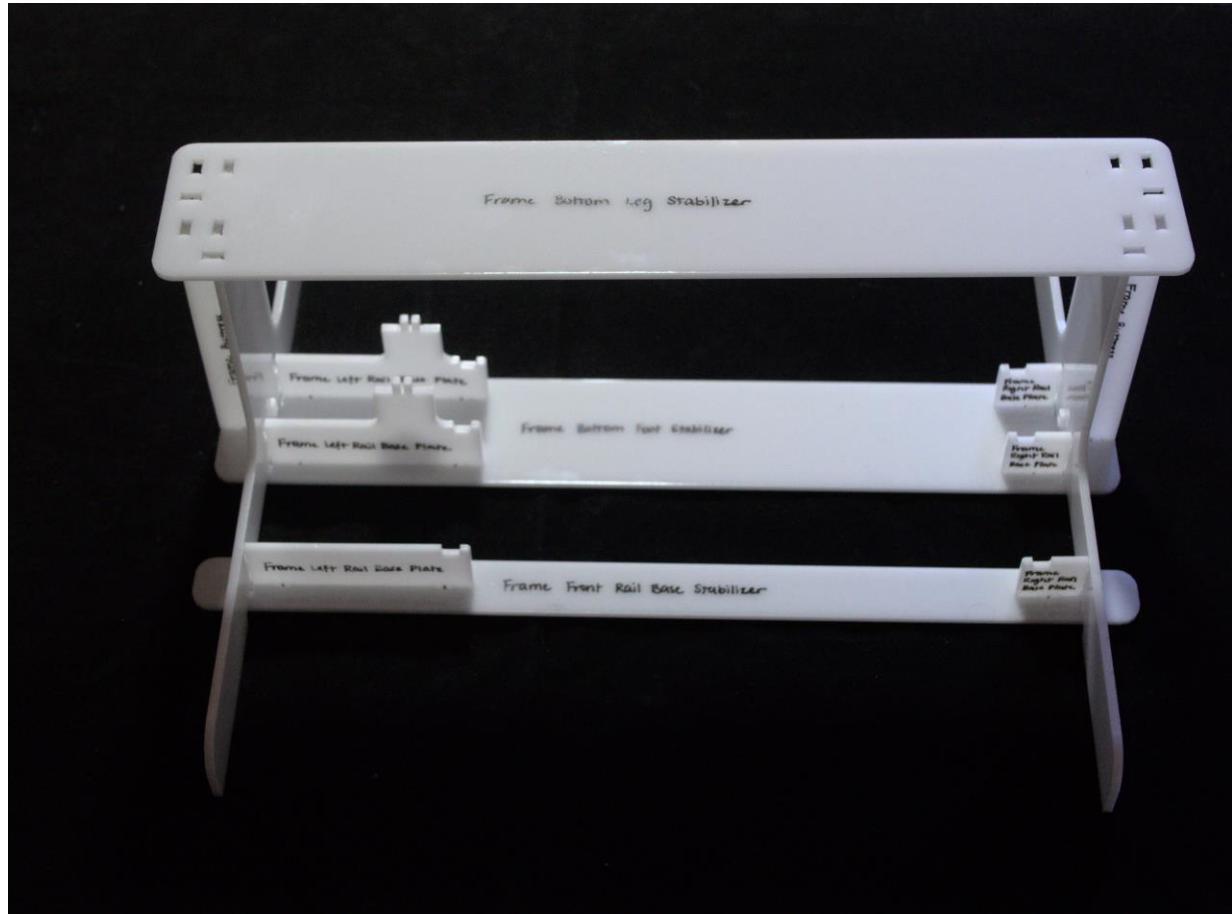
LHR Base Parts

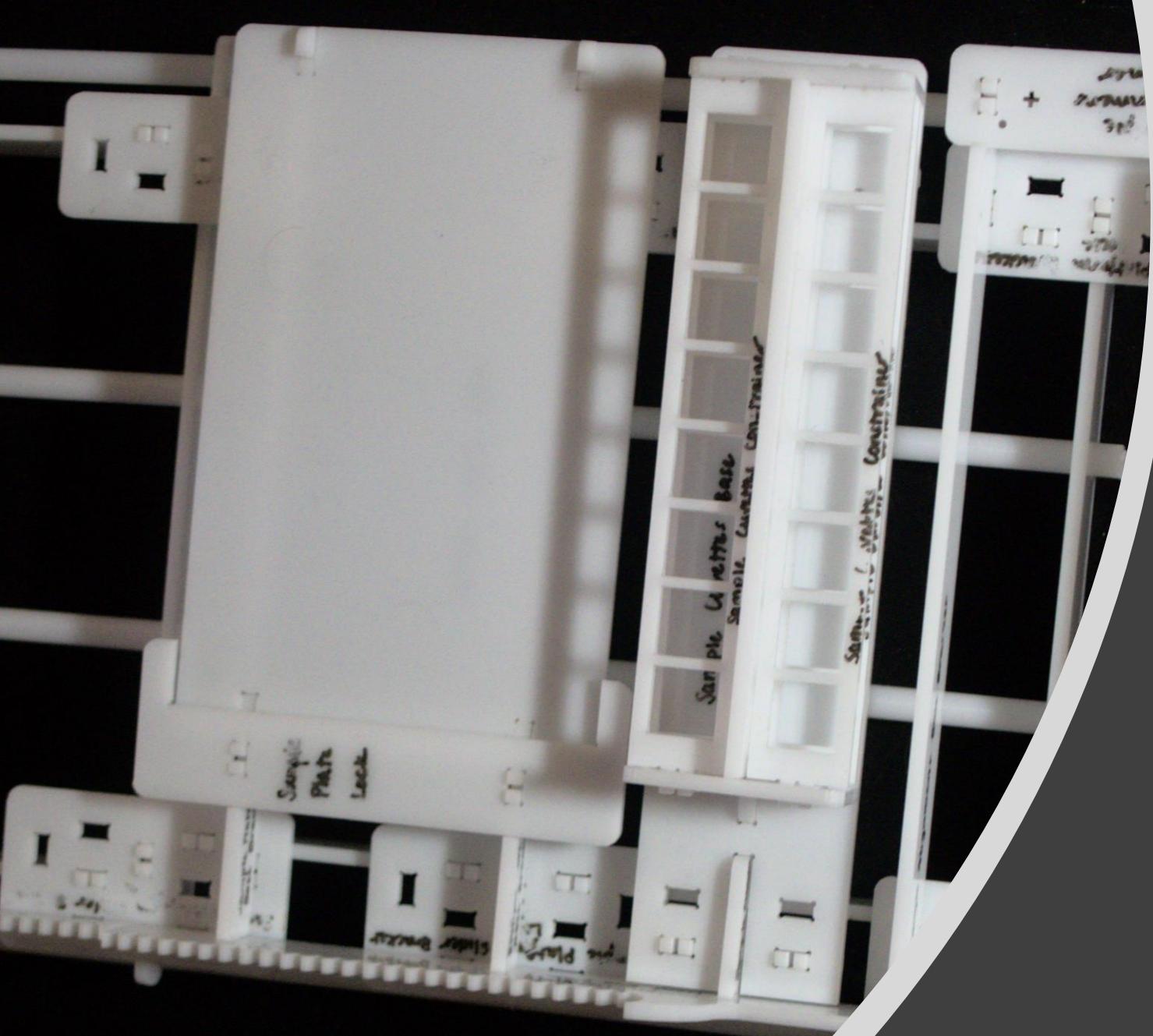


LHR Base Assembly: Step 1



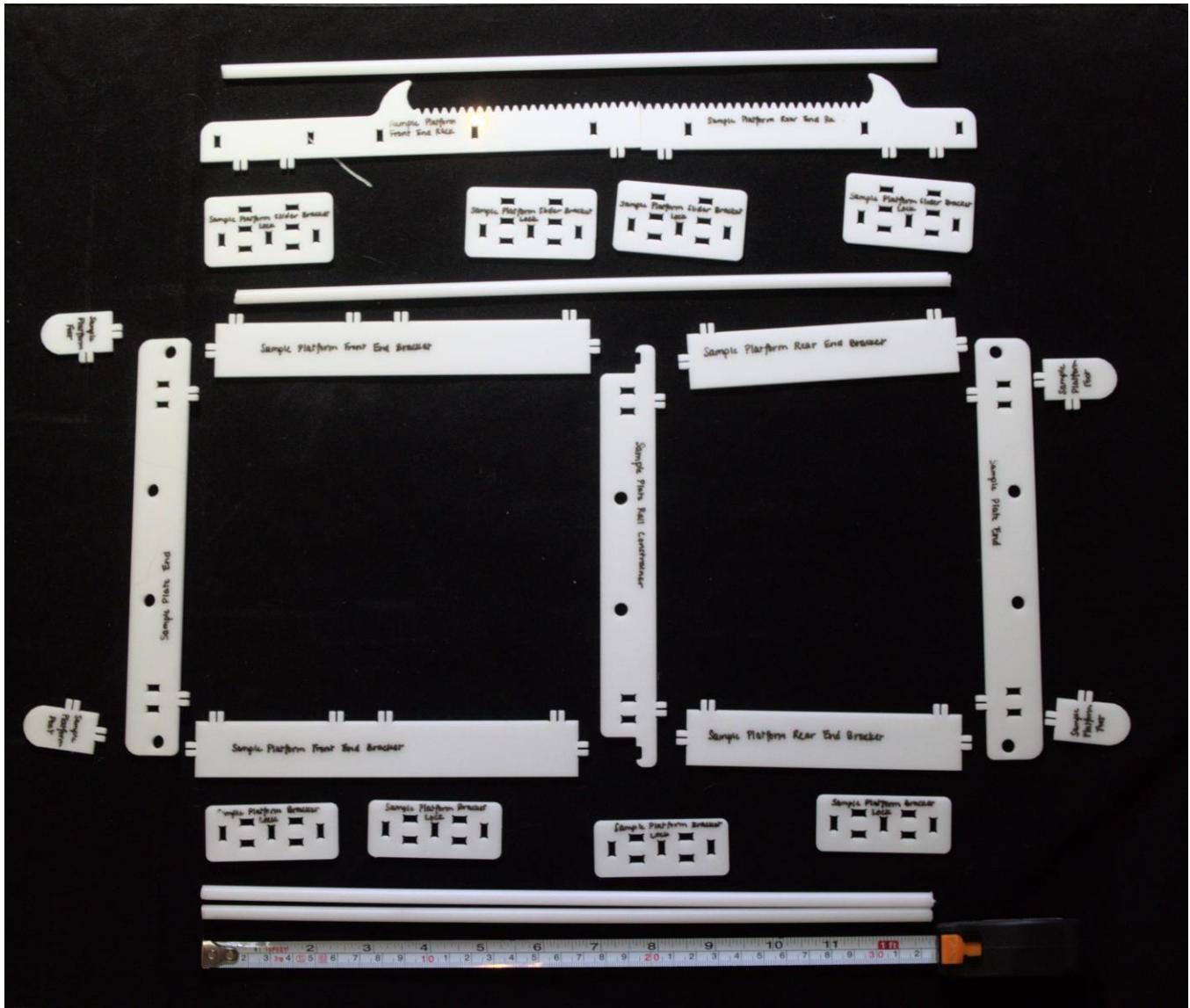
LHR Base Assembly: Step 2



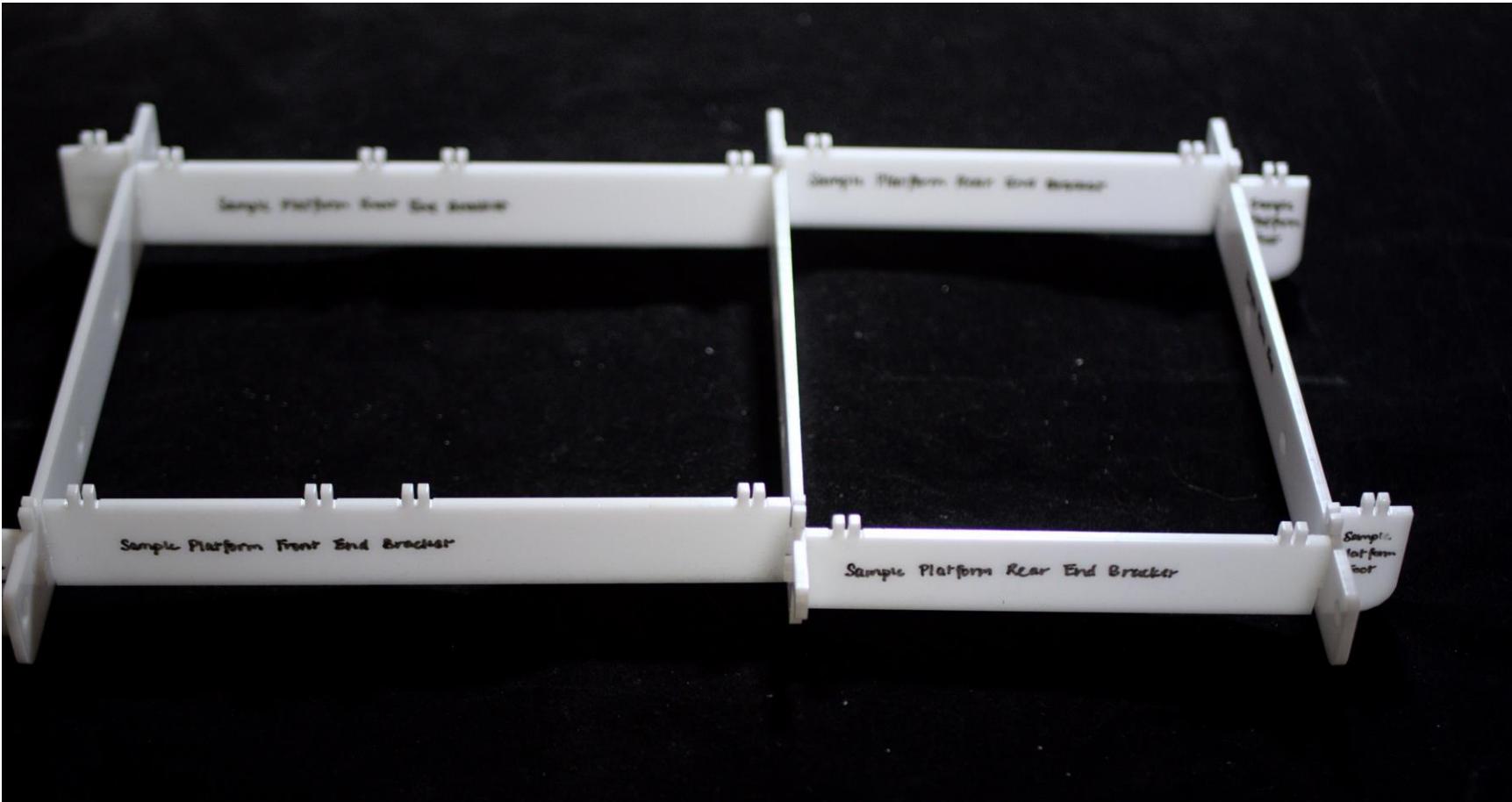


LHR Stage

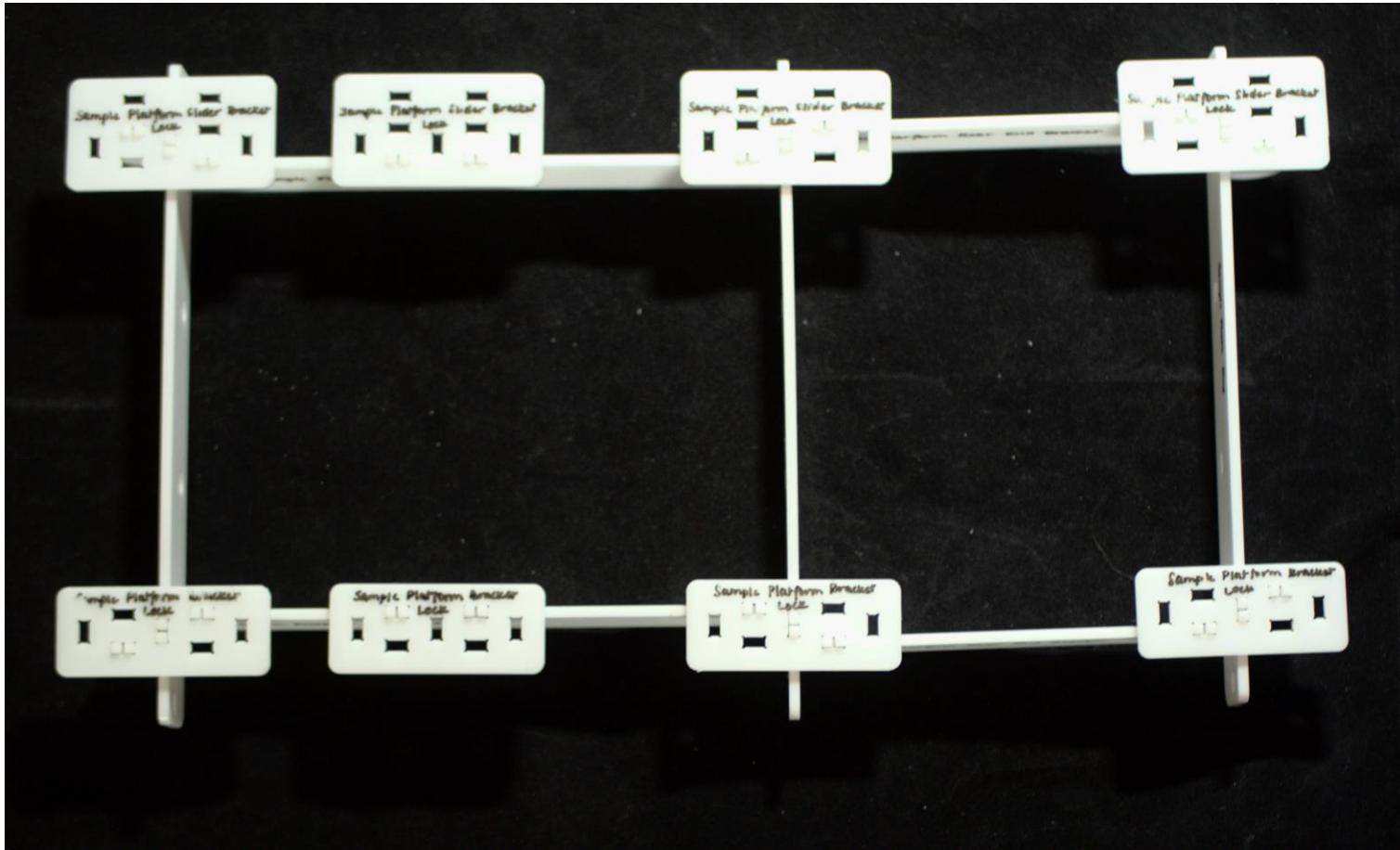
LHR Stage Parts



LHR Stage Assembly: Step 1

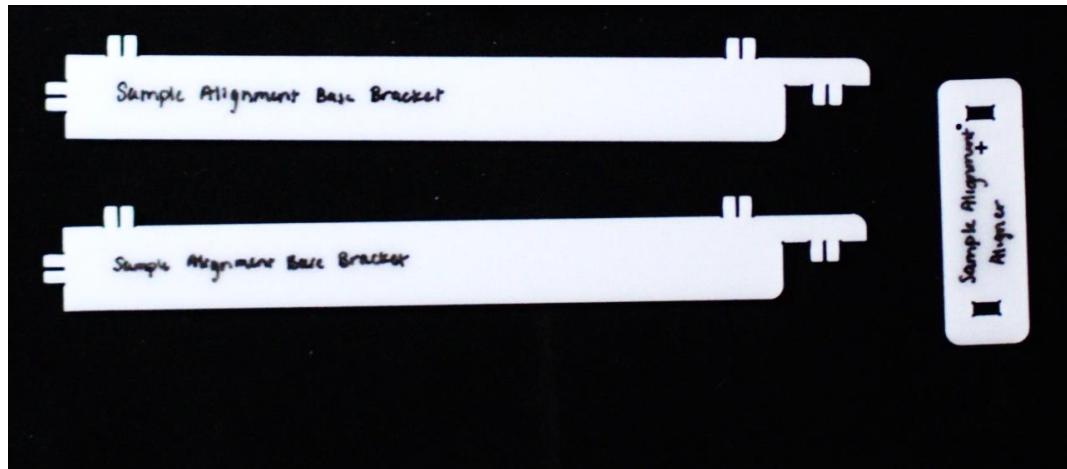


LHR Stage Assembly: Step 2

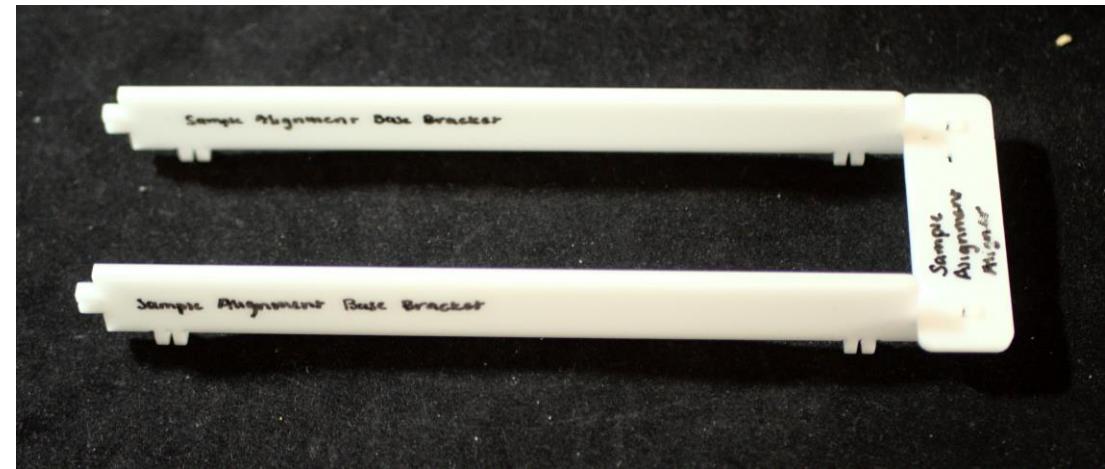


LHR Stage Assembly: Step 3 (Aligner)

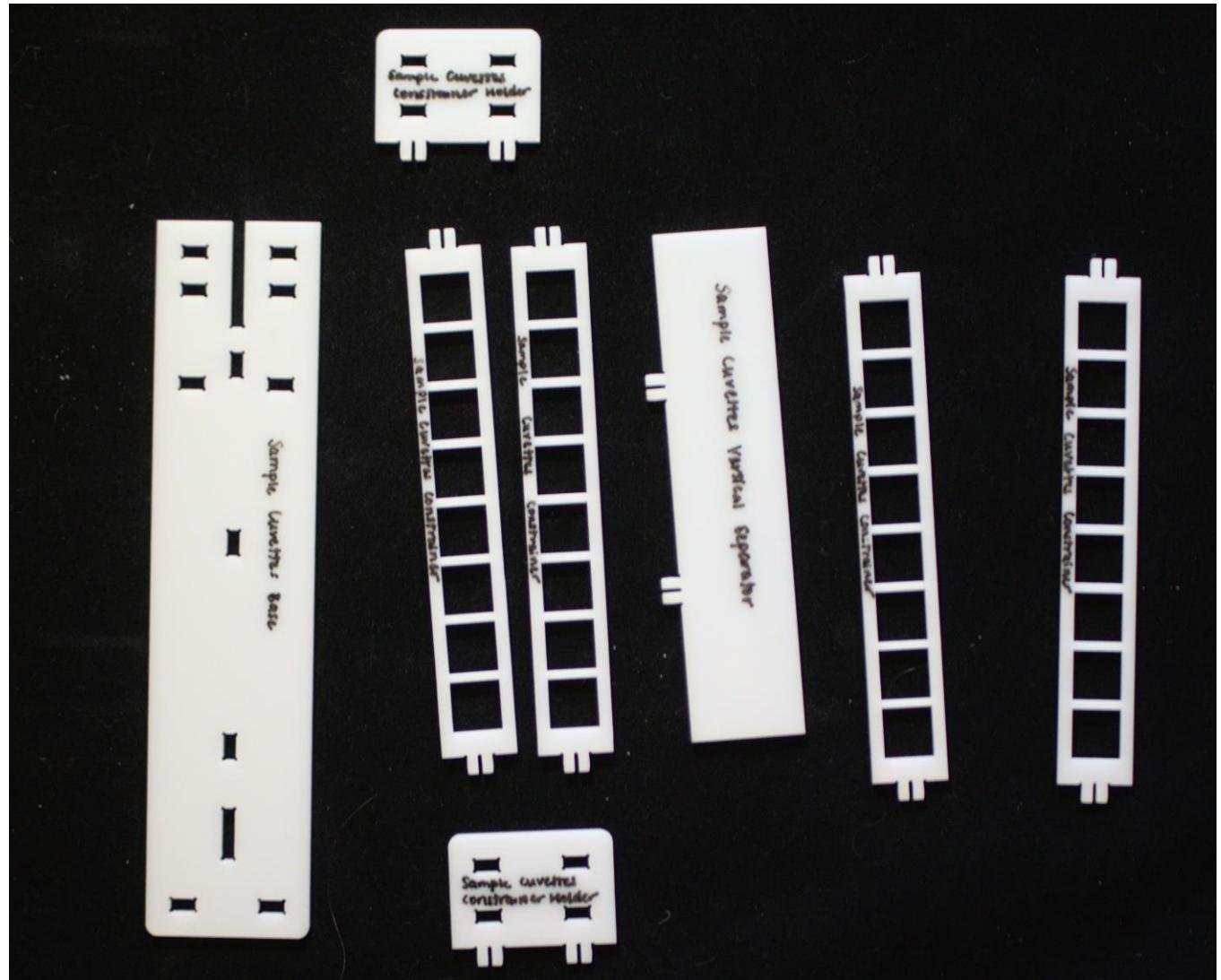
Parts



Assembled



LHR Stage Assembly: Cuvette Holder Parts

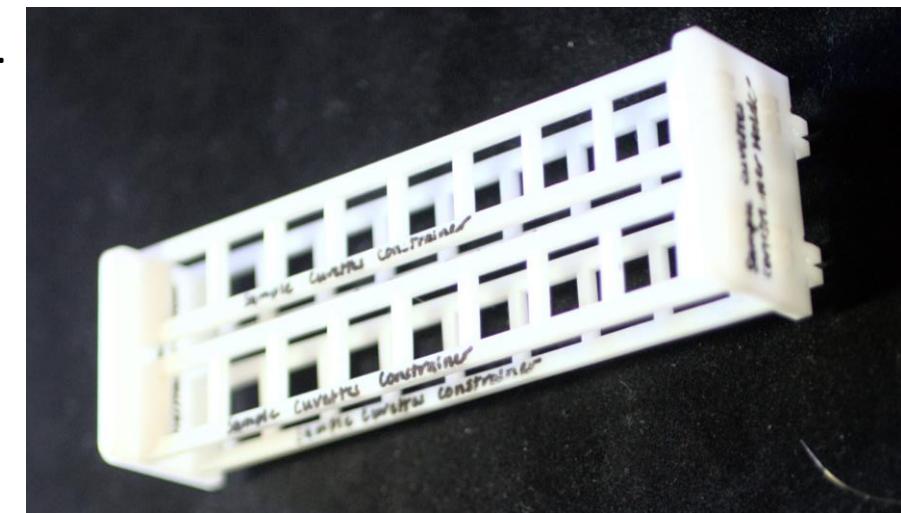


LHR Stage Assembly: Step 4 (Cuvette Holder)

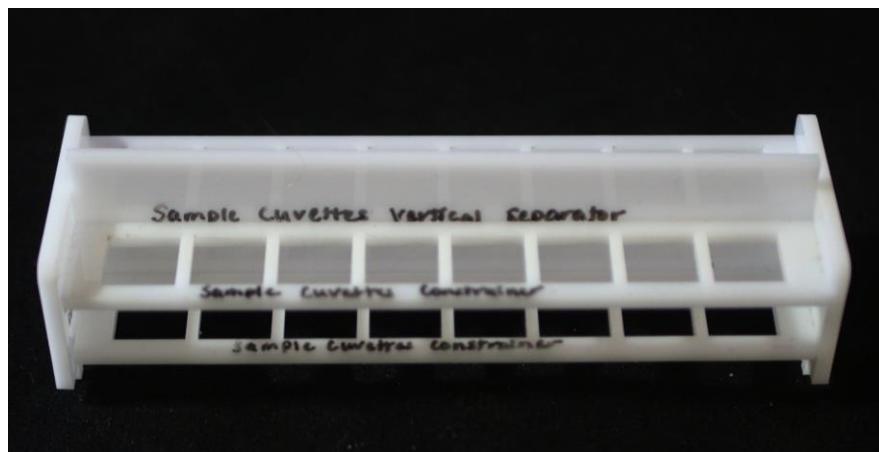
1.



2.



3.



4.

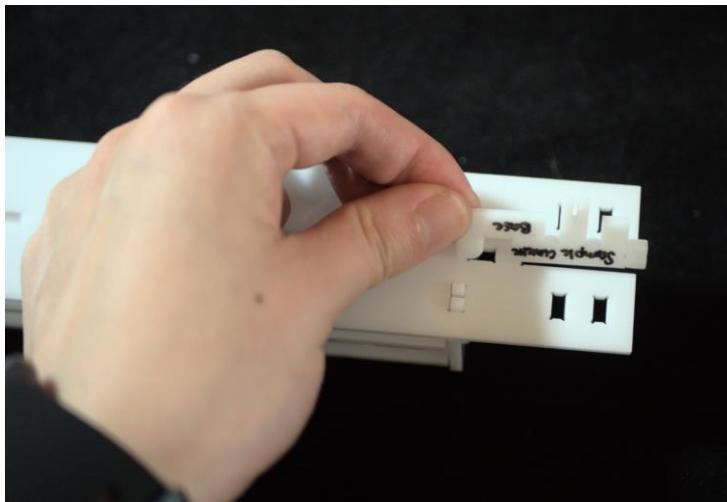


LHR Stage Assembly: Step 5 (Cuvette Holder Stage Attachment)

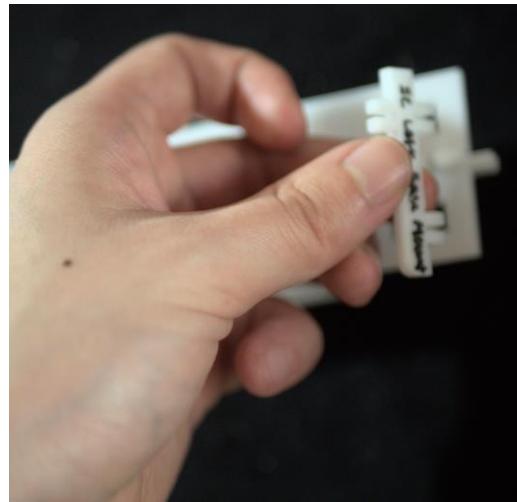
Parts



1.



2.



3.



LHR Stage Assembly: Sample Holder Parts

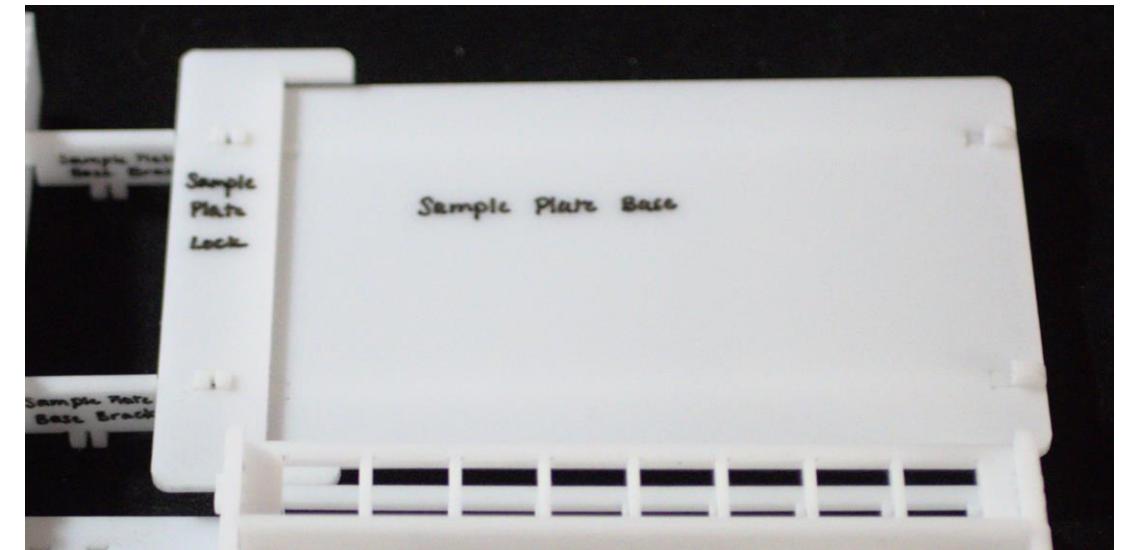


LHR Stage Assembly: Step 6 (Sample Holder)

Petri Dish Holder



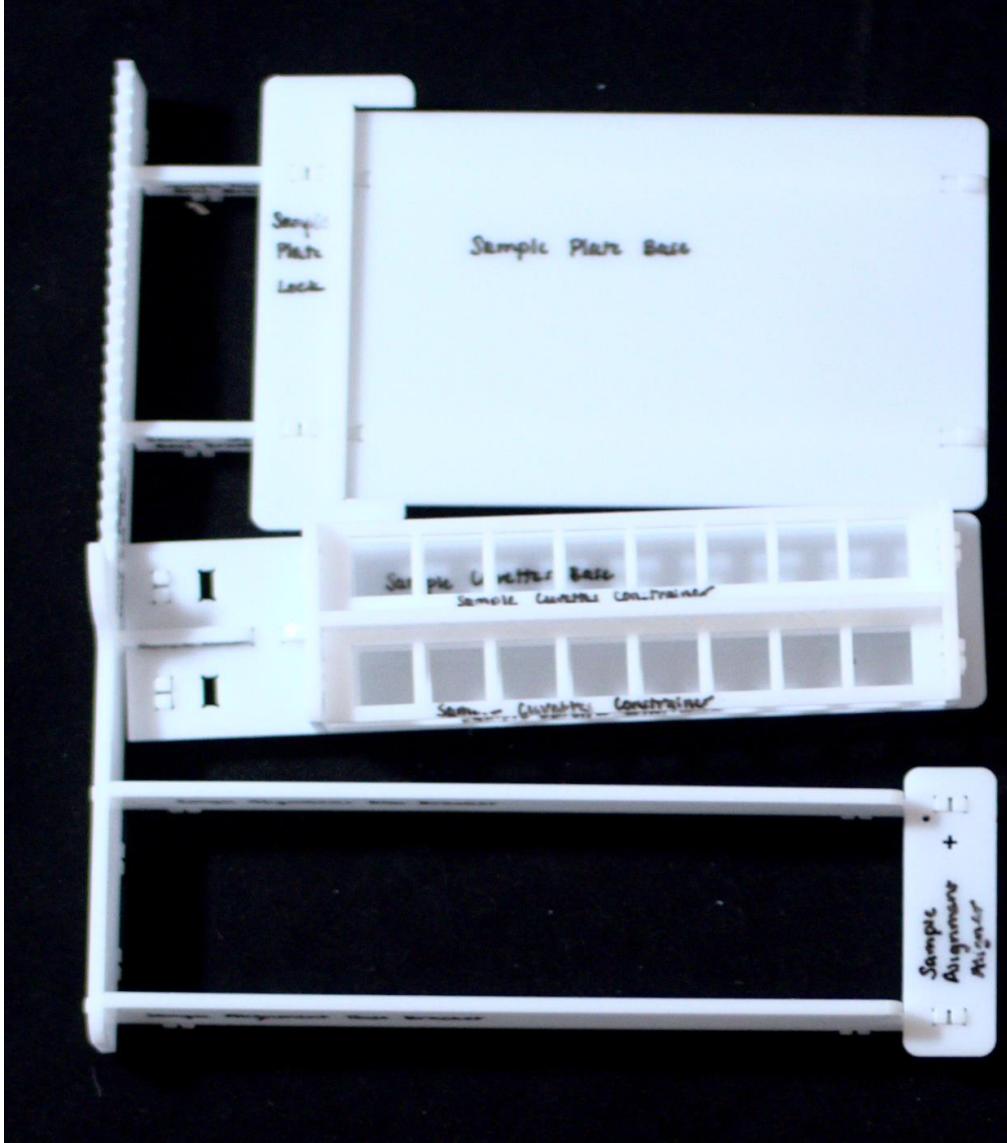
96-Well Plate Holder



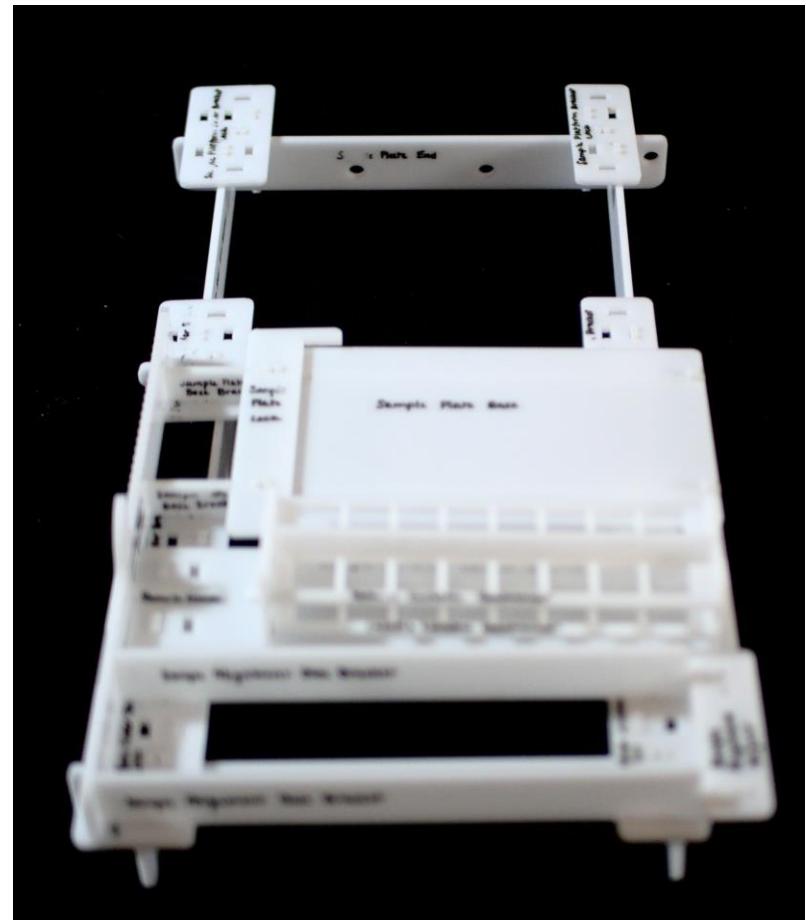
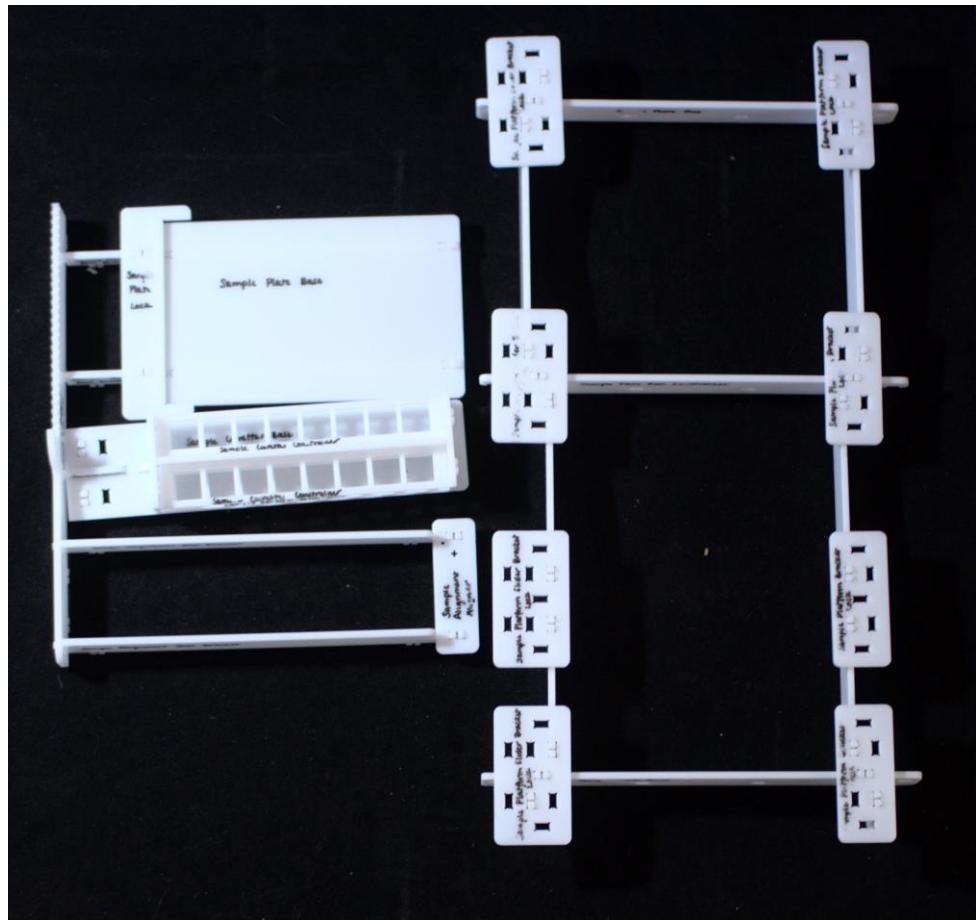
or

LHR Stage Assembly: Step 7

Attach Aligner, Cuvette Holder, and Sample Holder to “Sample Platform Front End Rack”



LHR Stage Assembly: Step 8

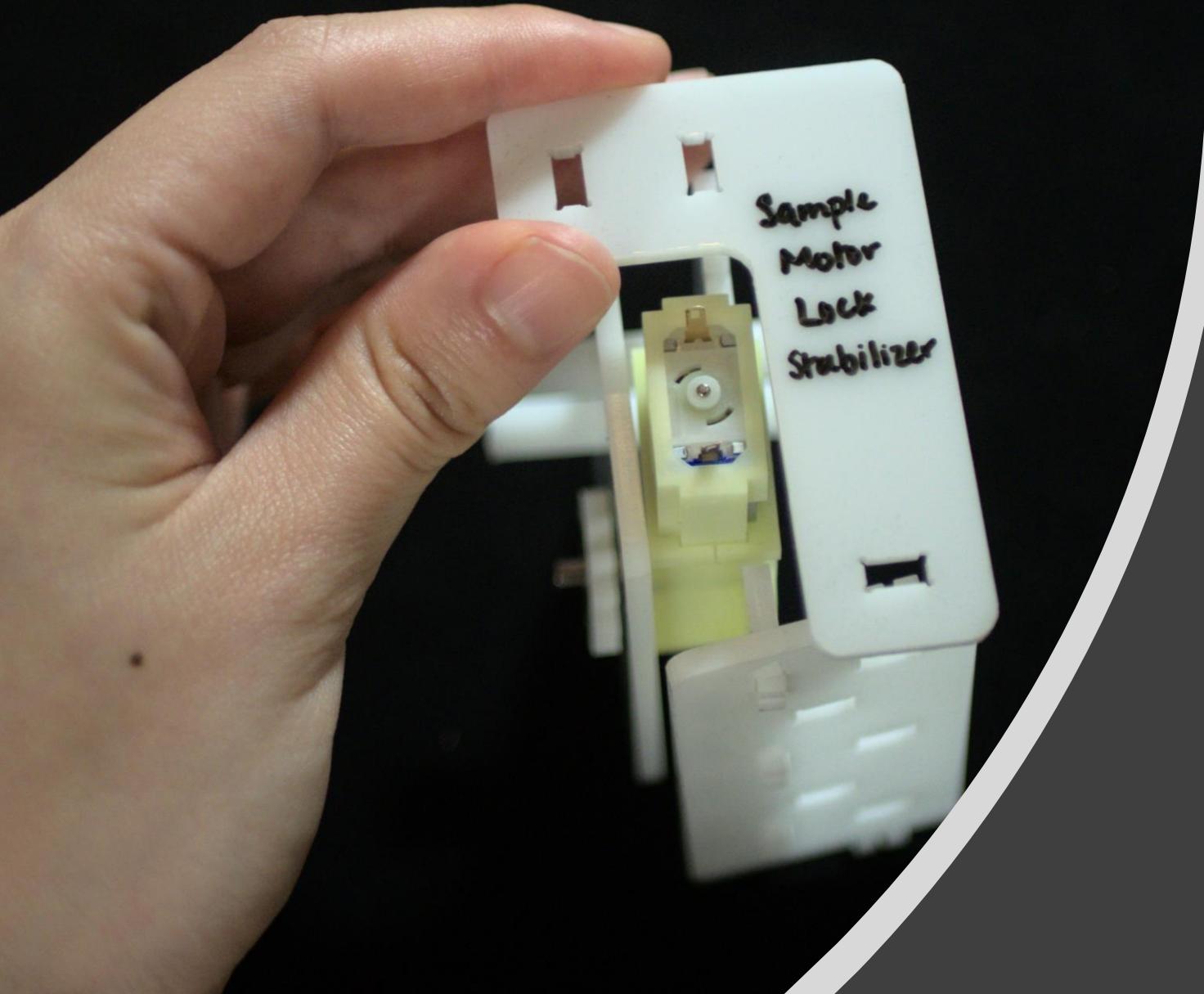


LHR Stage Assembly: Step 9

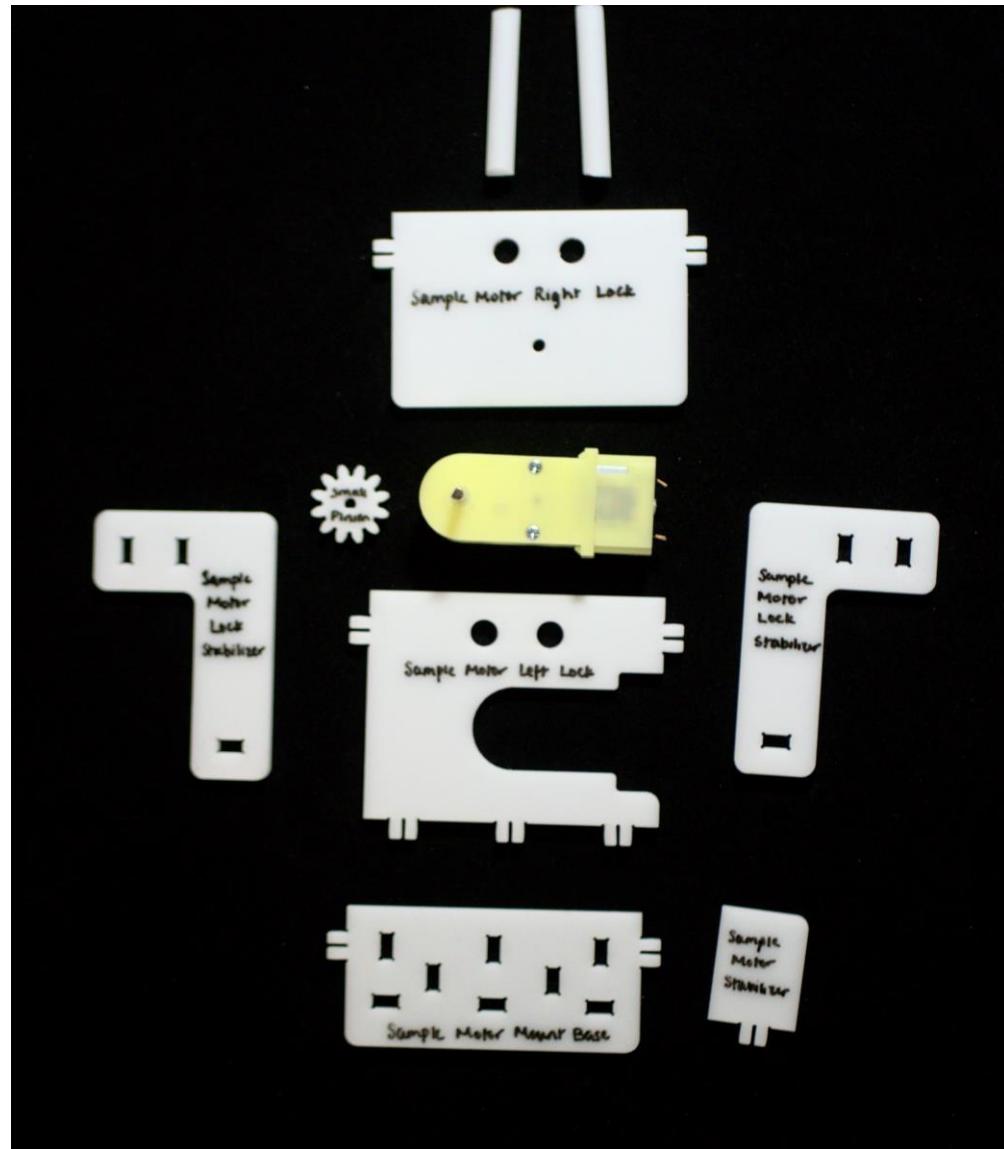
- Place “Sample Platform Rear End Rack” on the stage.
- If you wish to add more stage modules, add them to the “Rear End Rack” prior to snapping the “Rear End Rack” onto the “Sample Platform Slider Bracket Locks”, as done for the sample holders on the “Front End Rack”.



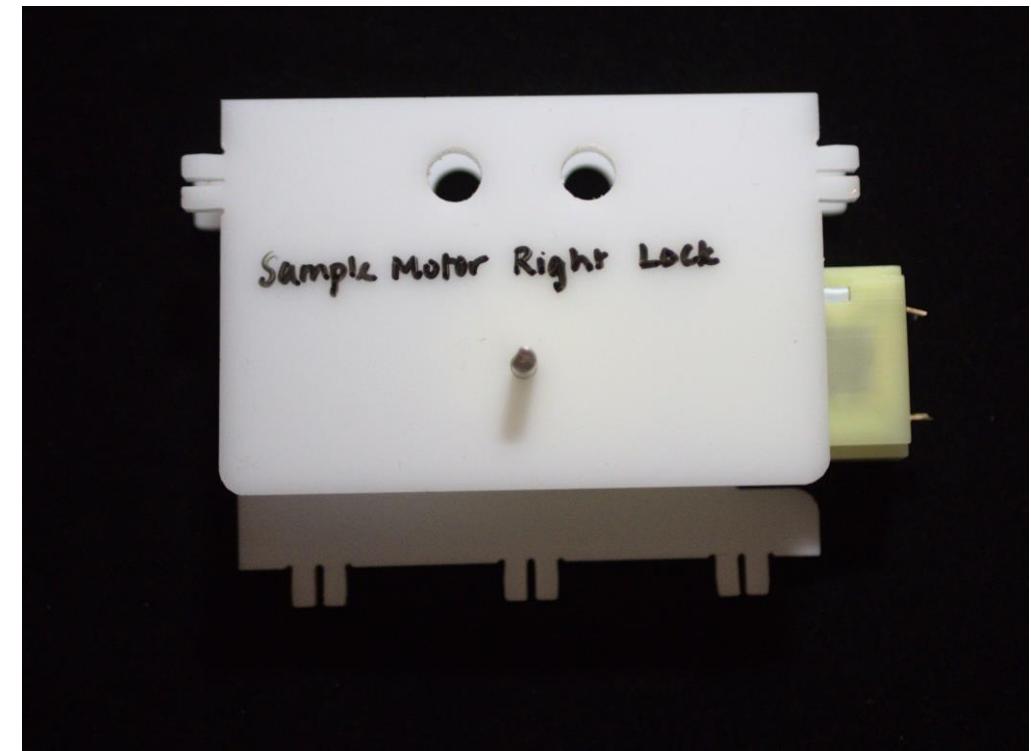
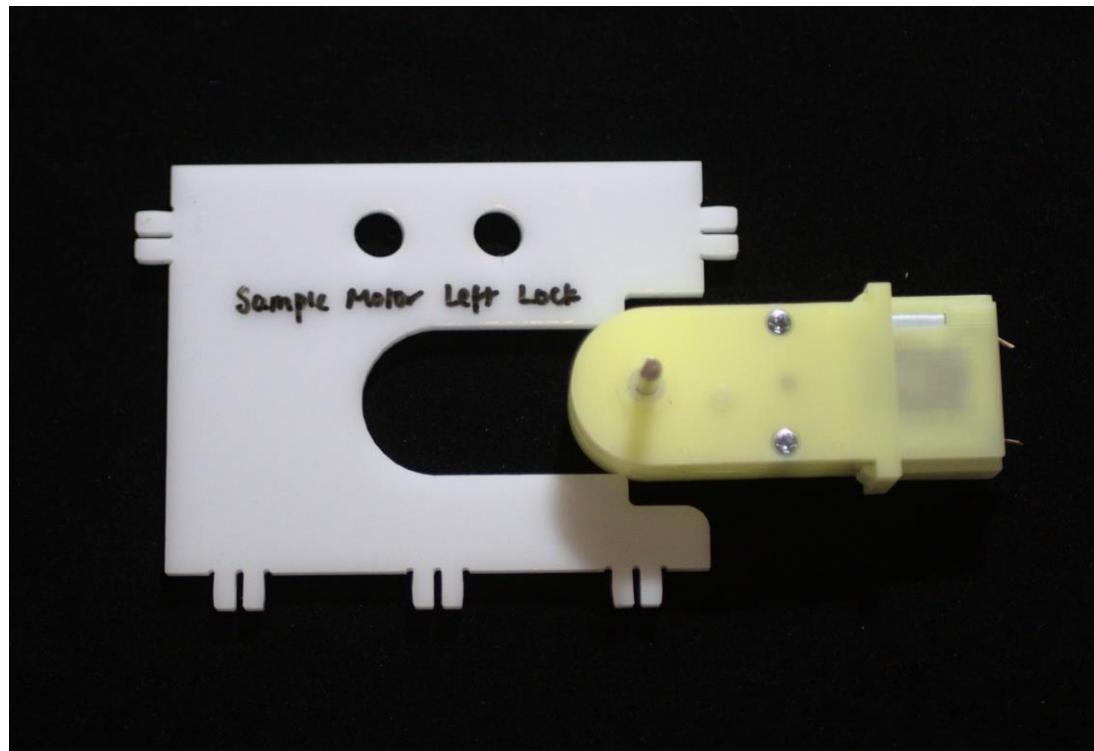
LHR Stage Motor Controller



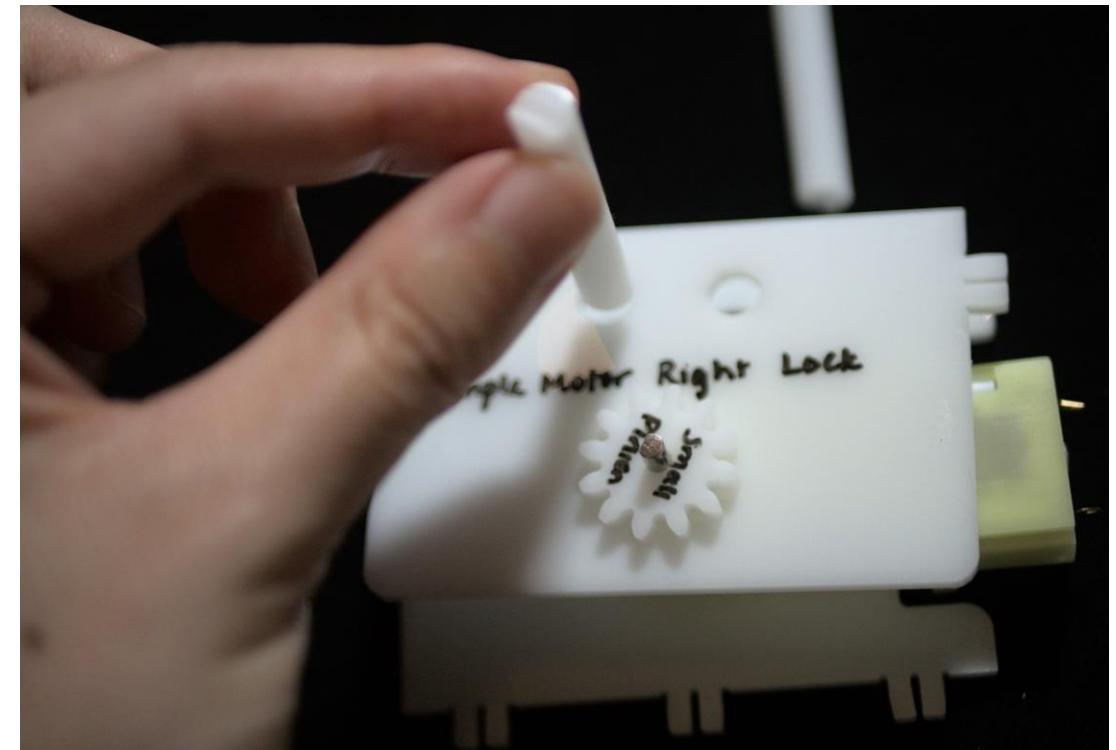
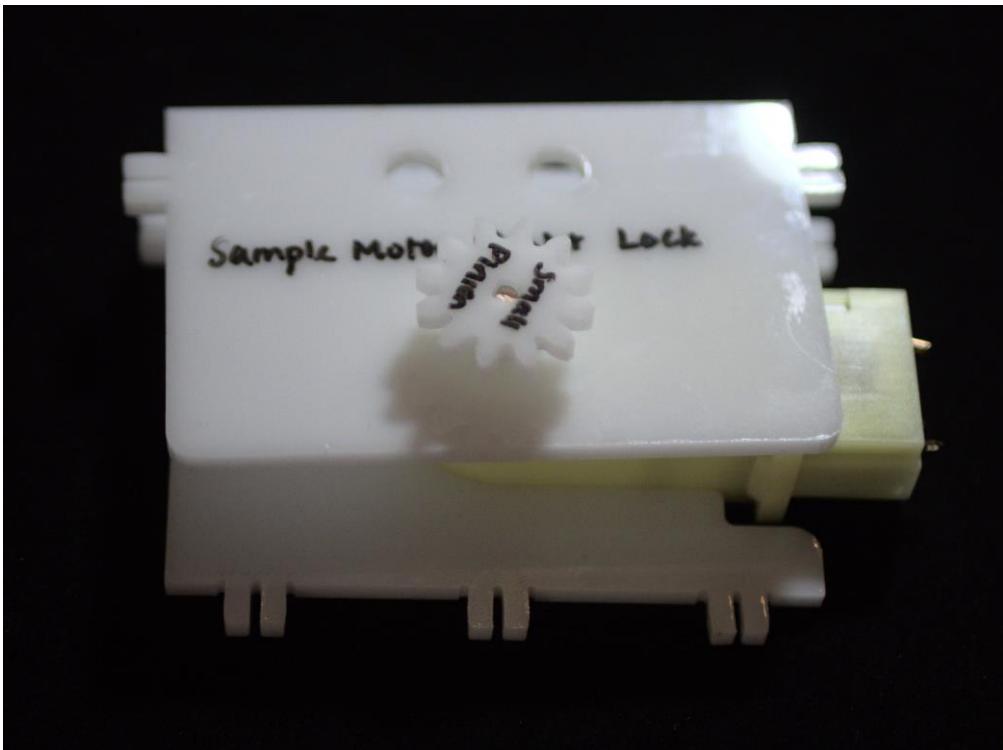
LHR Stage Motor Controller: Parts



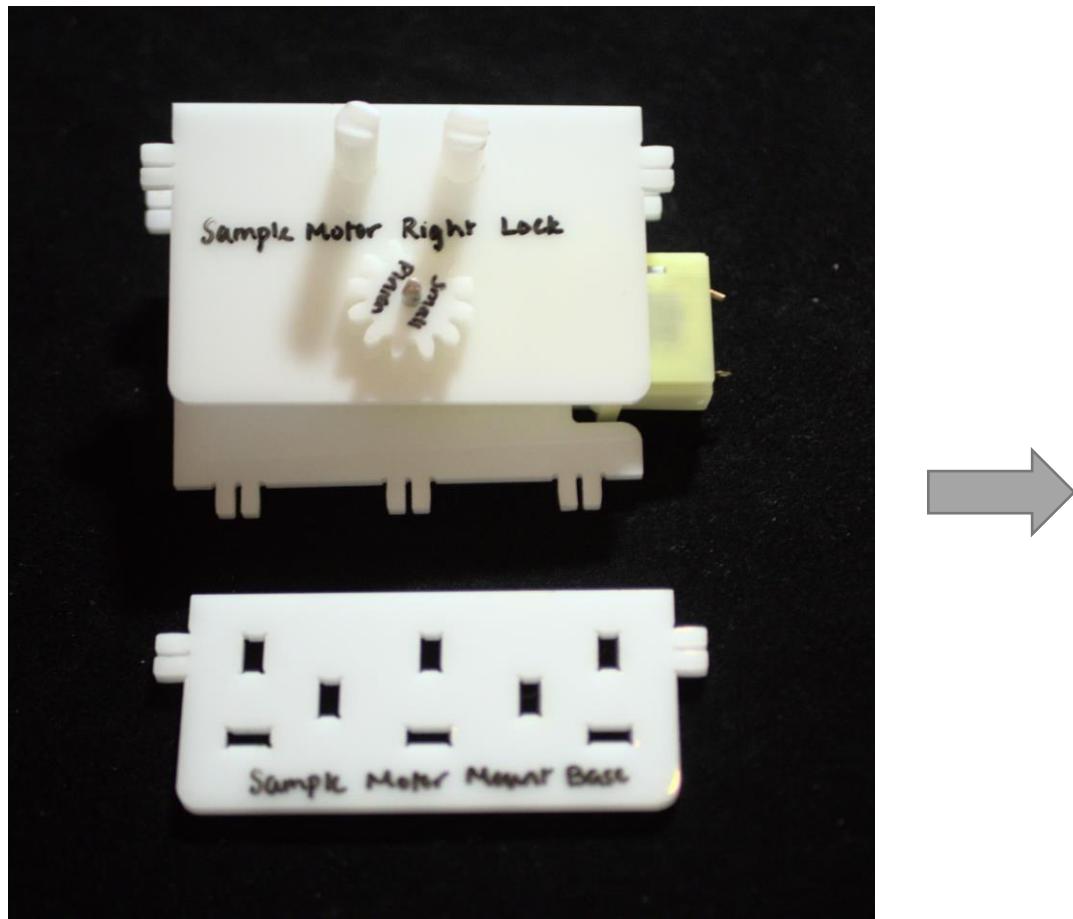
LHR Stage Motor Controller Assembly: Step 1



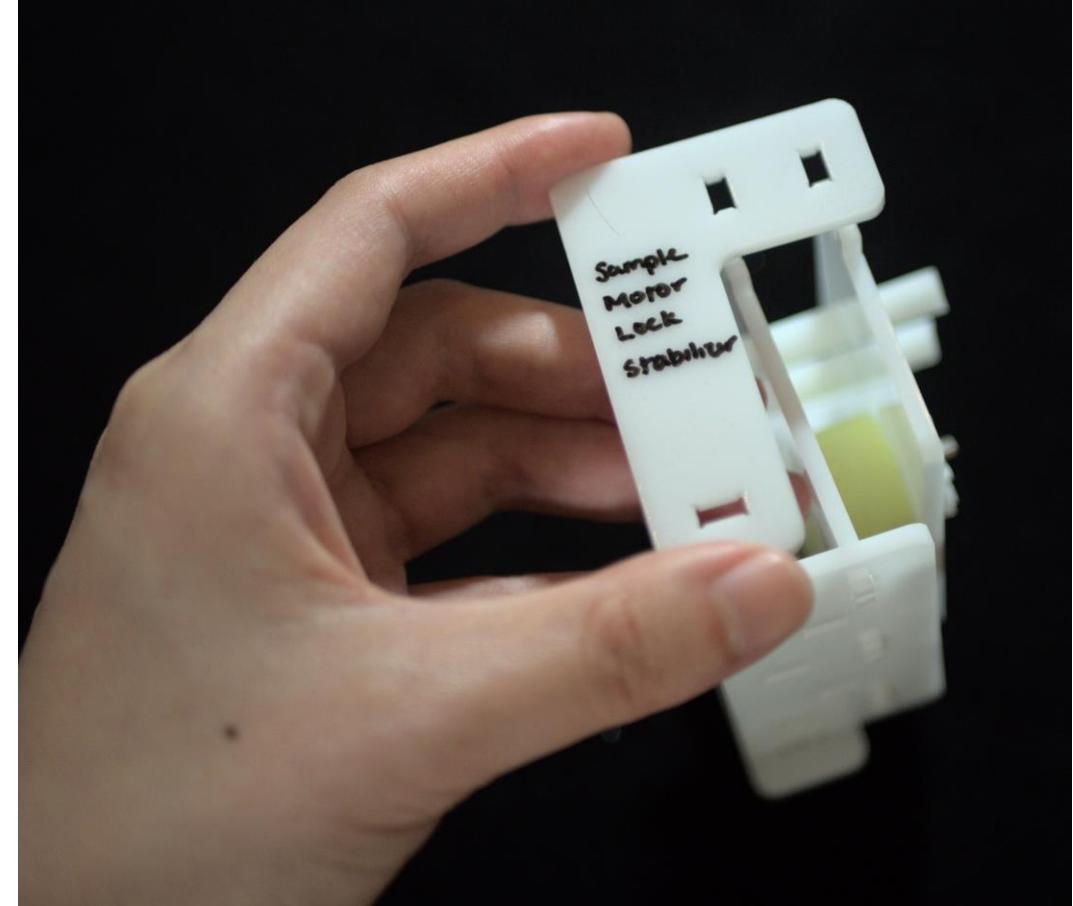
LHR Stage Motor Controller Assembly: Step 2



LHR Stage Motor Controller Assembly: Step 3

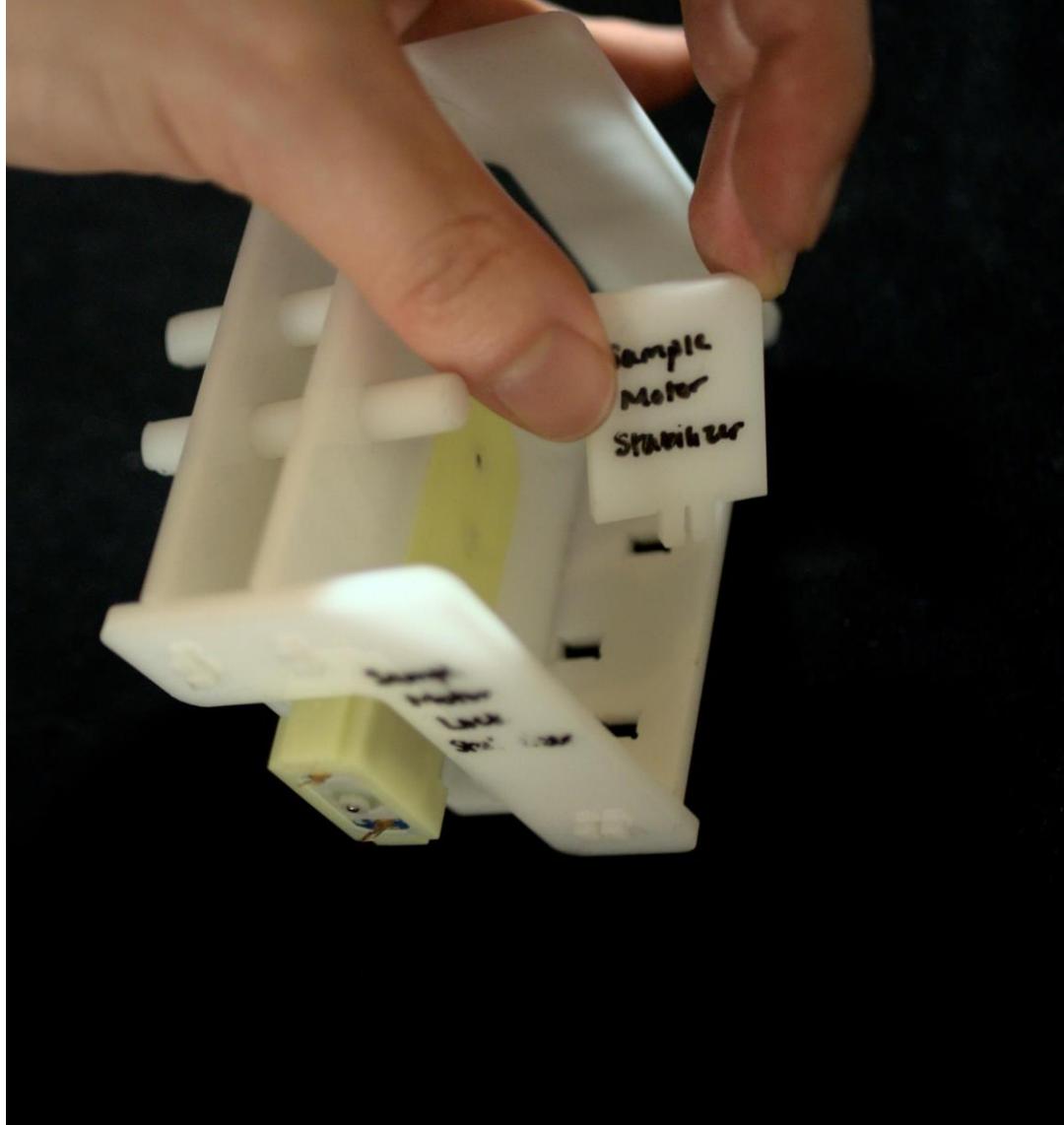


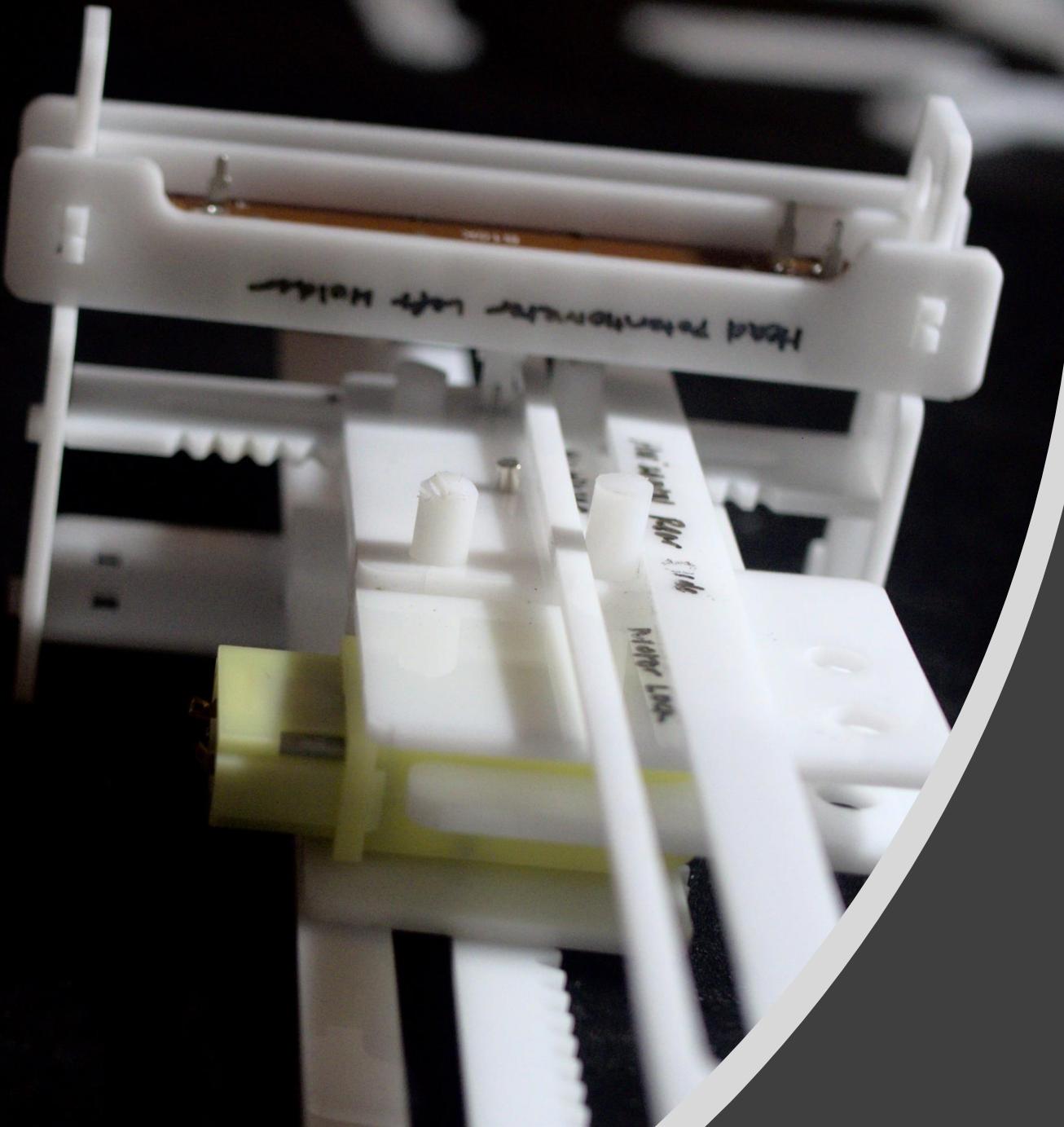
LHR Stage Motor Controller Assembly: Step 4



LHR Stage Motor Controller Assembly: Step 5

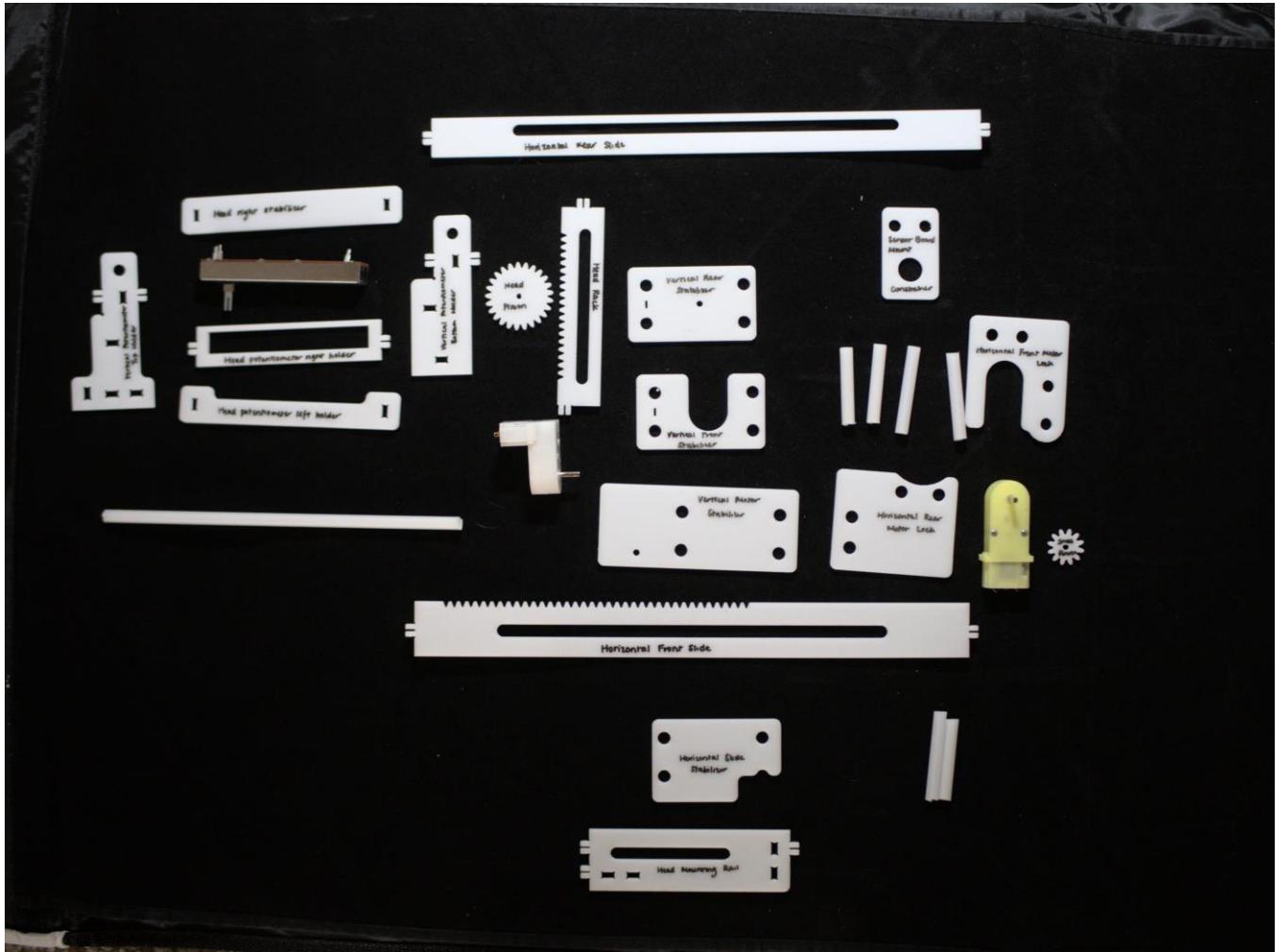
Place the “Sample Motor Stabilizer” tab into the middle hole of the “Sample Motor Mount Base”.





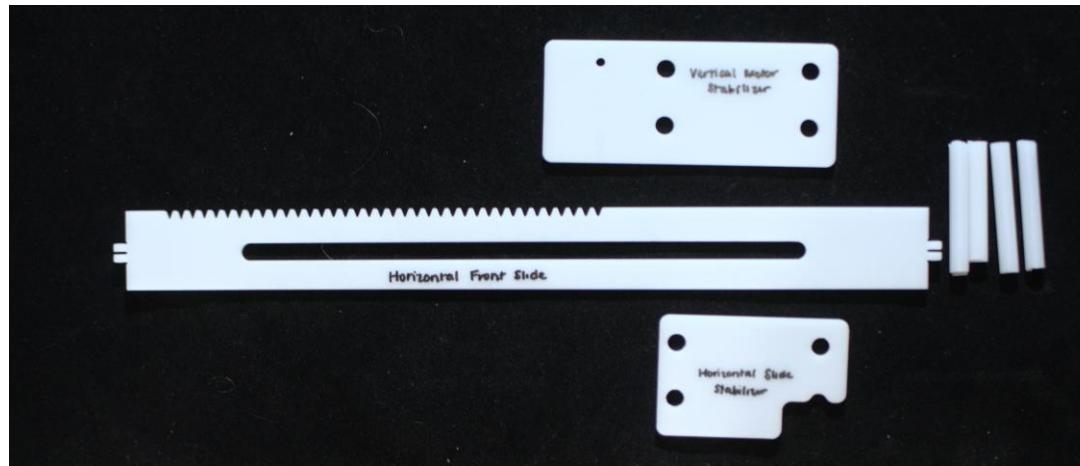
LHR Top Rear
Assembly

LHR Top Rear: Parts

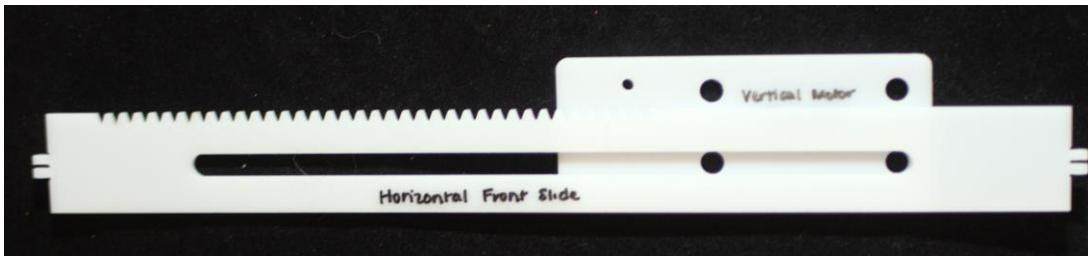


LHR Top Rear Assembly: Step 1

Parts



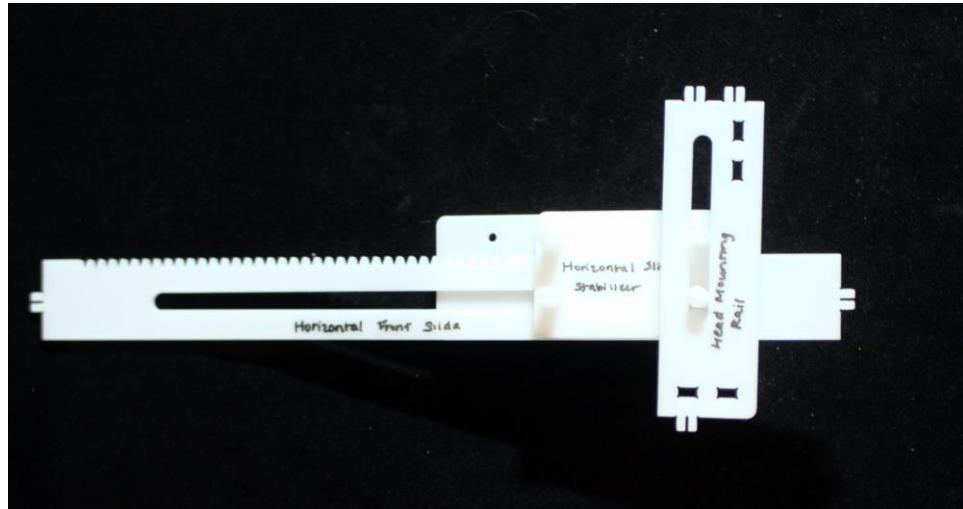
1.



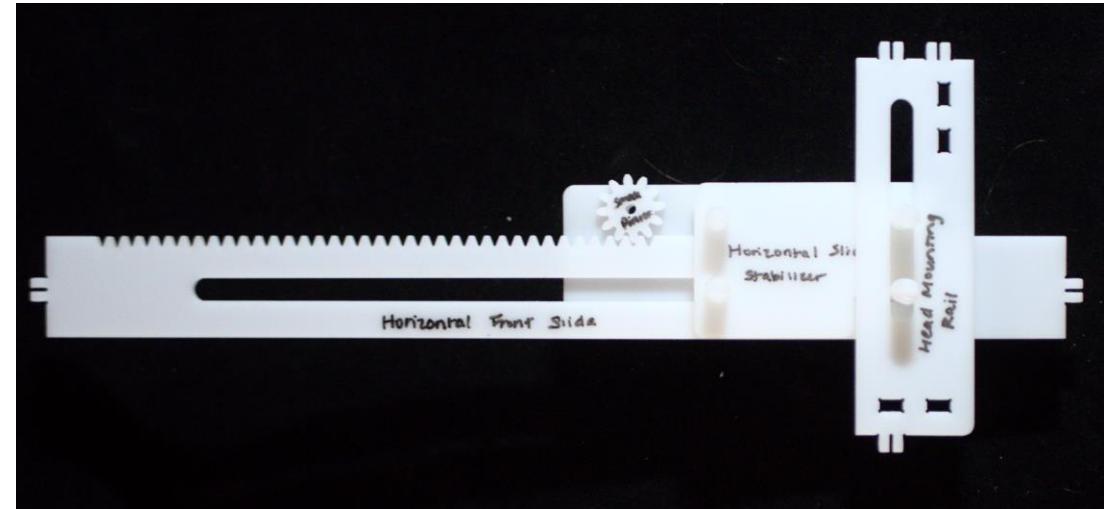
2.



LHR Top Rear Assembly: Step 2

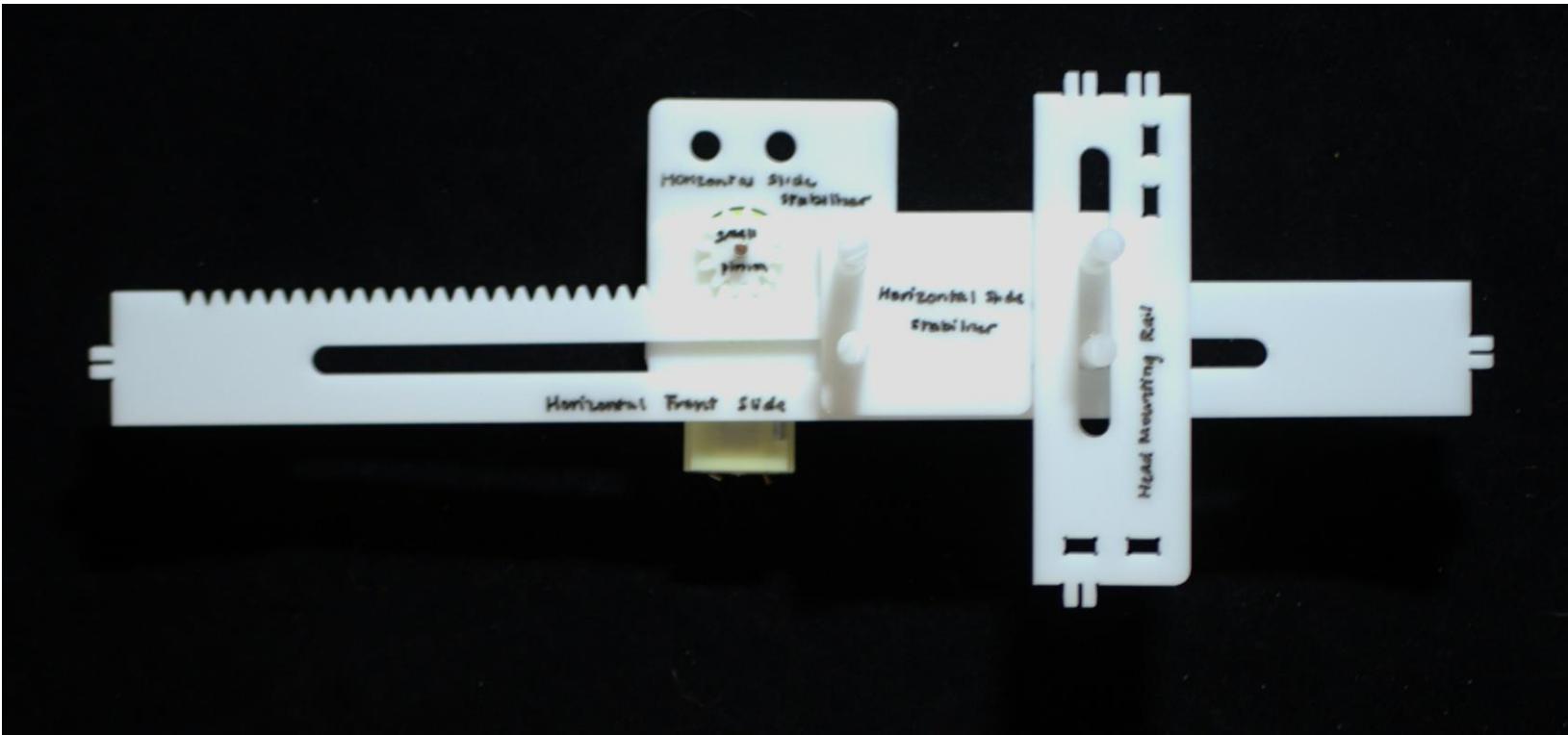
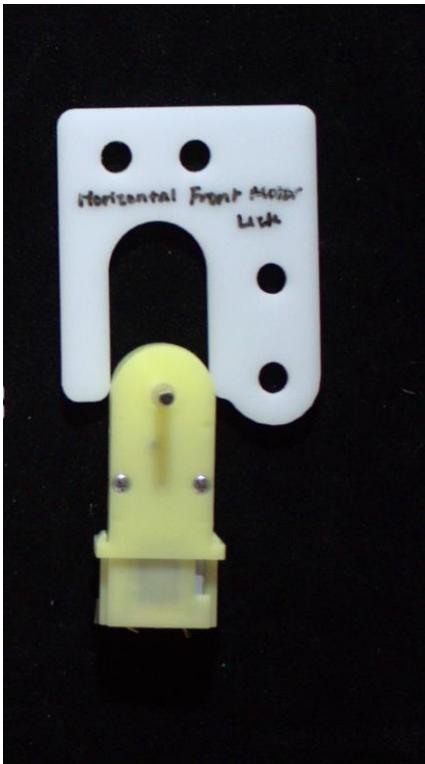


Push short Delrin rods through the four circular holes. Then place the “Head Mount Rail” such that two of the Delrin rods protrude through the long slit.

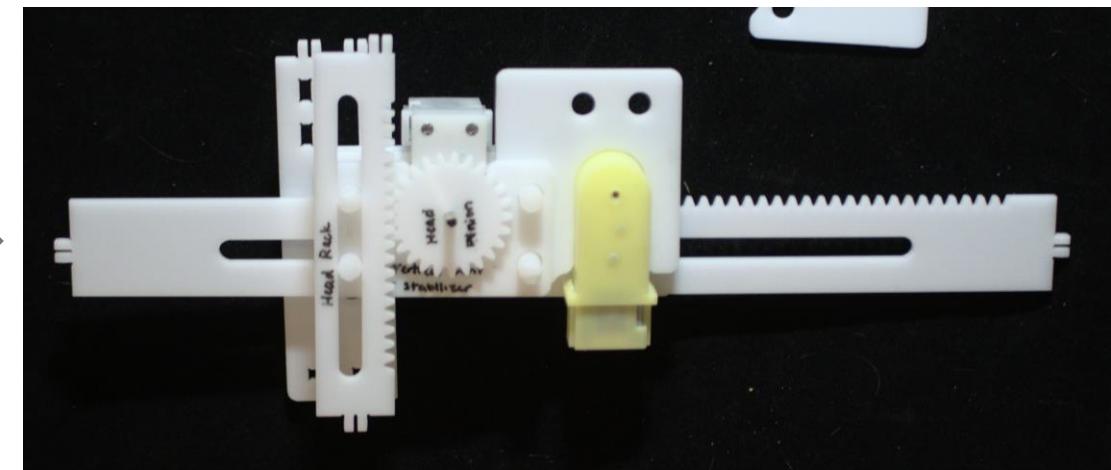
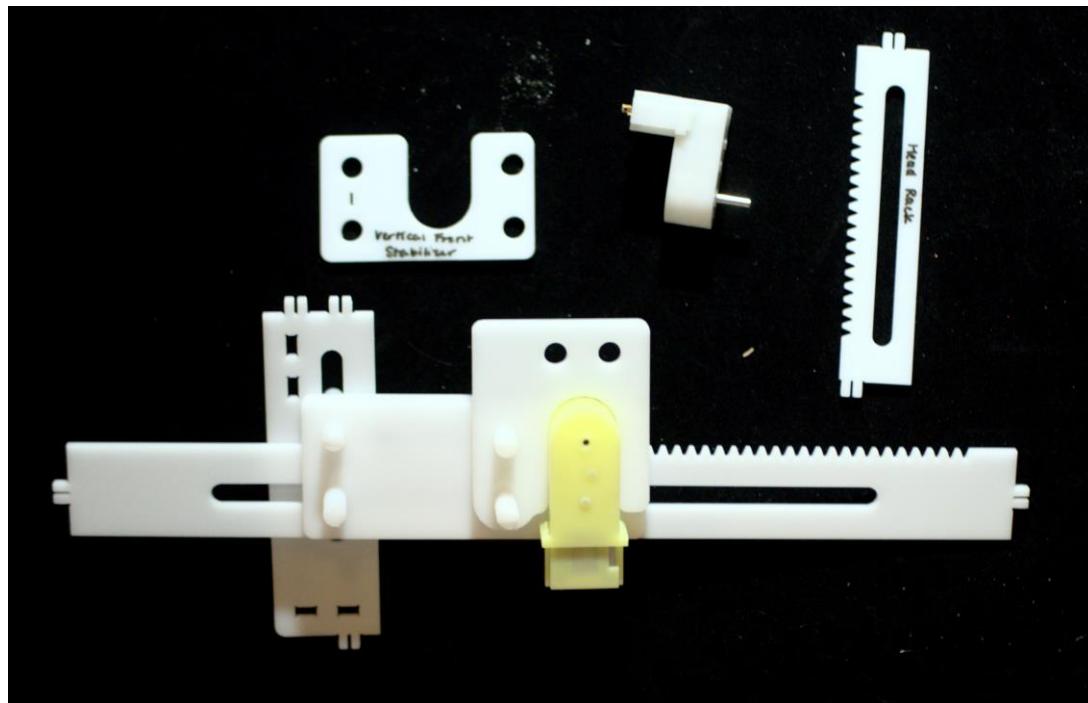


Place 1 “Small Pinion” adjacent to the teeth of the “Horizontal Front Slide”.

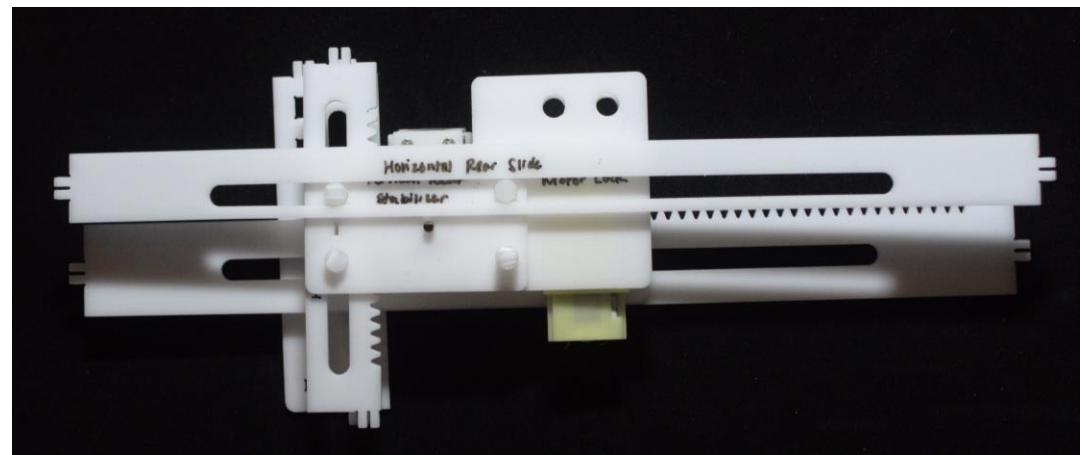
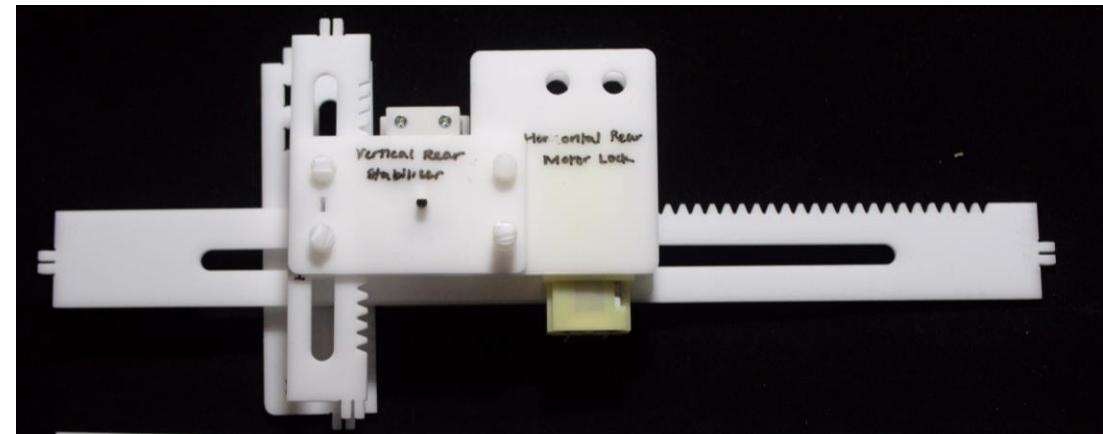
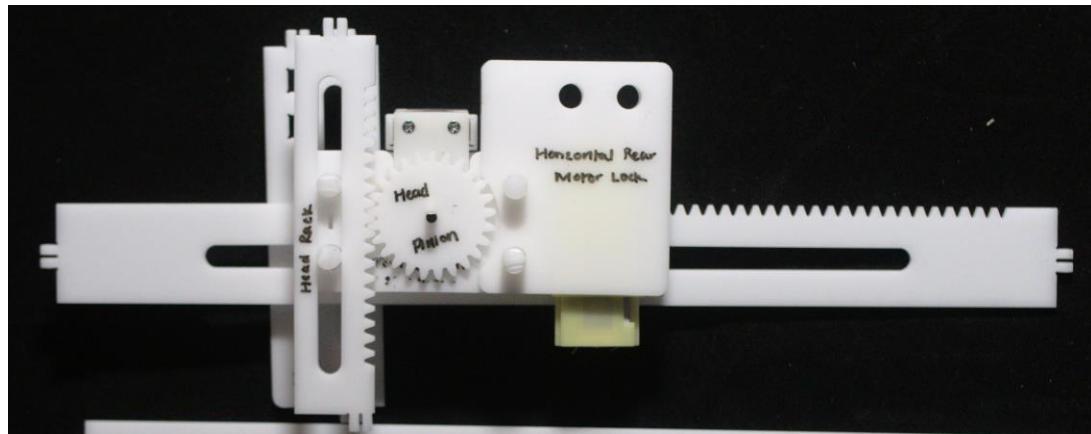
LHR Top Rear Assembly: Step 3



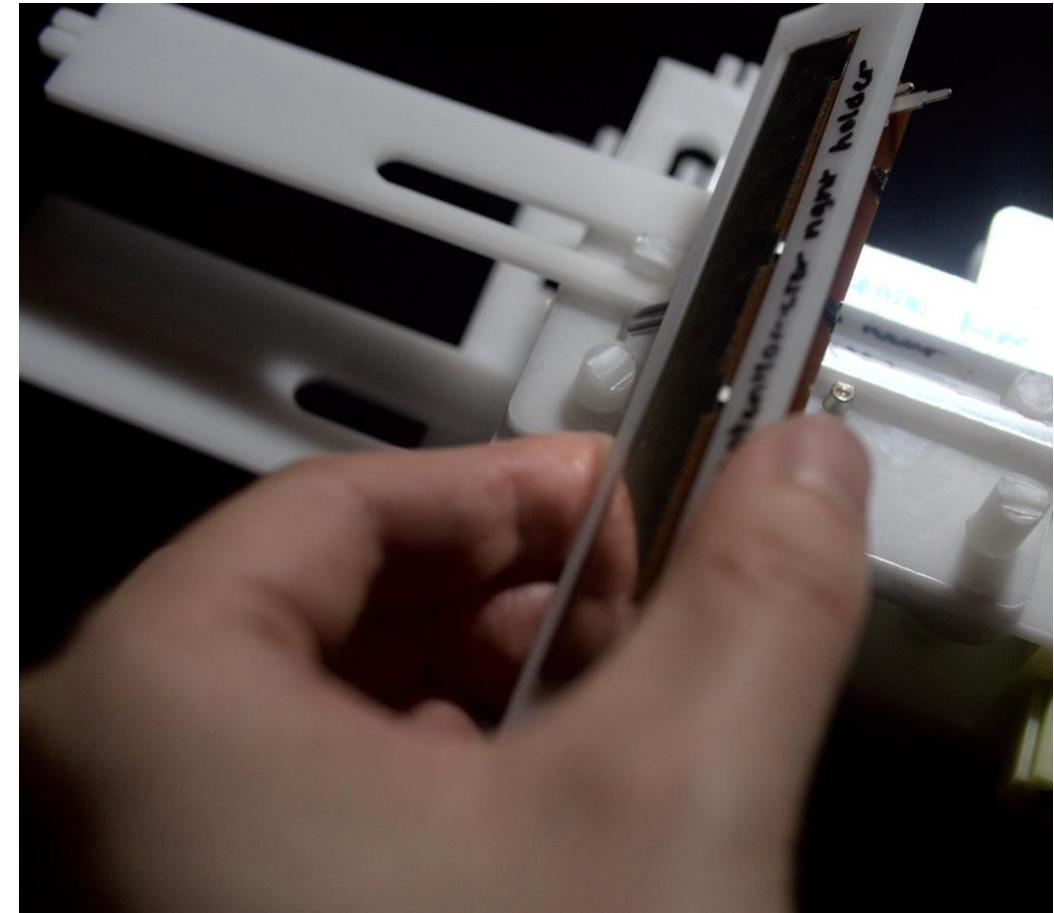
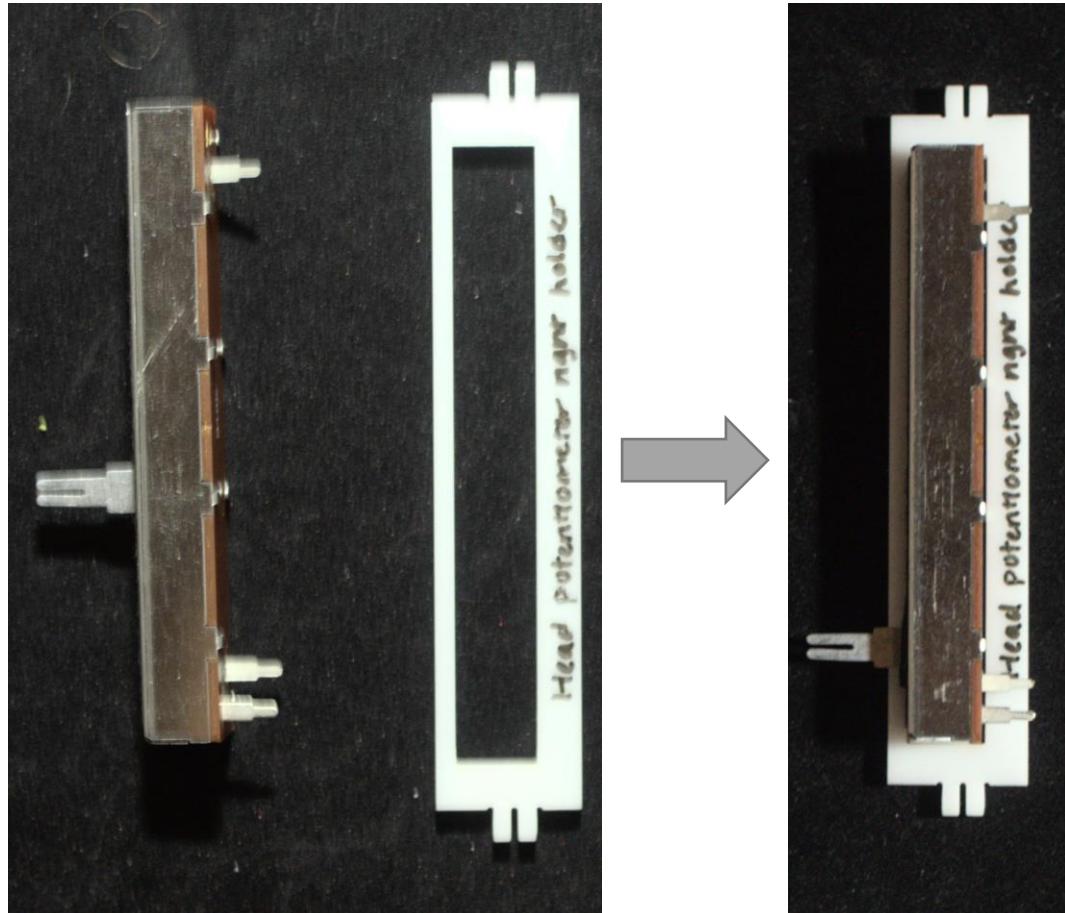
LHR Top Rear Assembly: Step 4



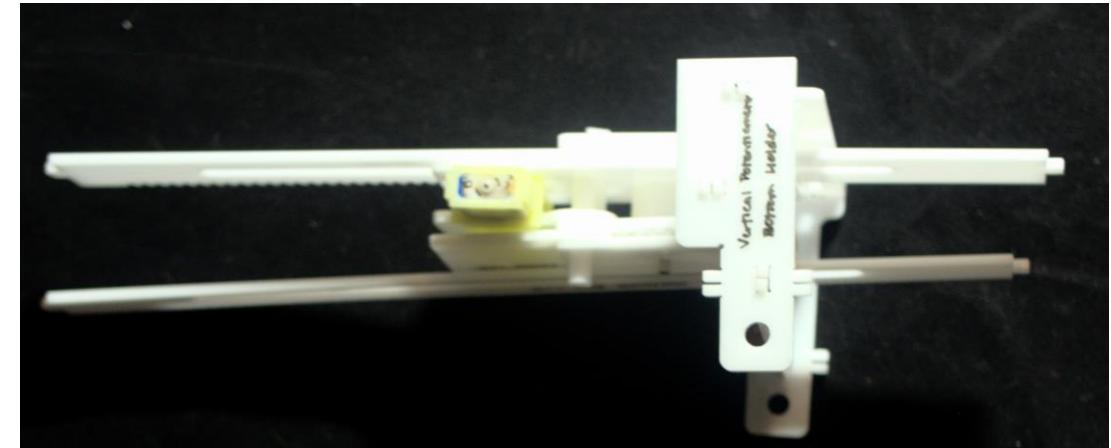
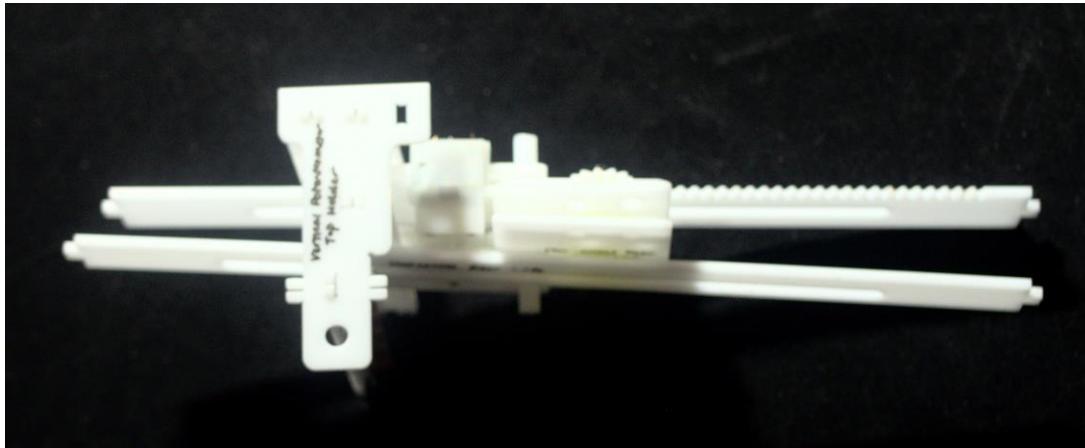
LHR Top Rear Assembly: Step 5



LHR Top Rear Assembly: Step 6

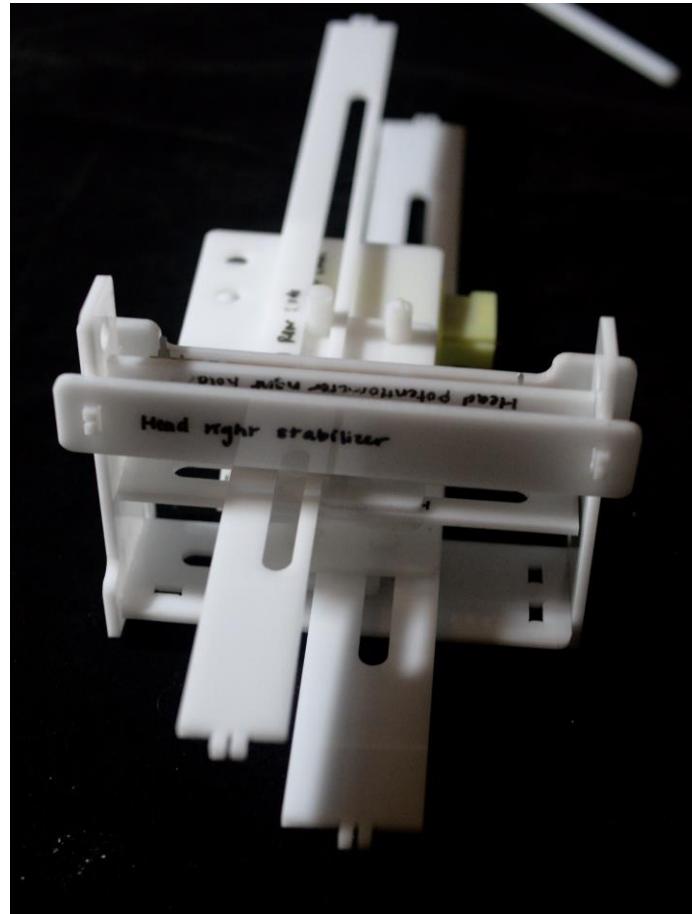
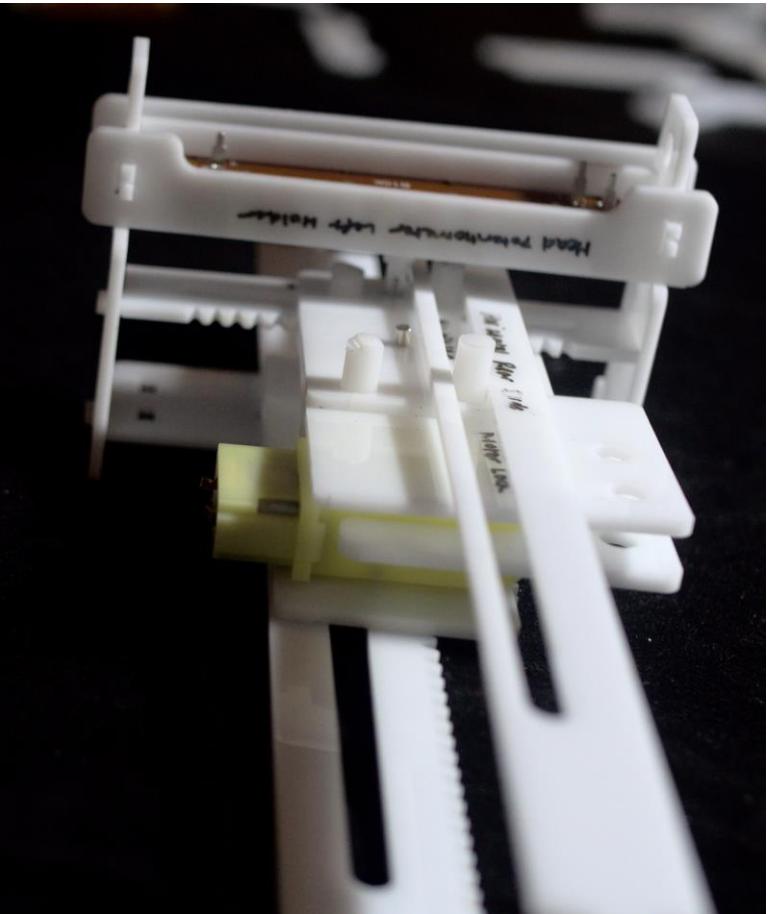


LHR Top Rear Assembly: Step 7



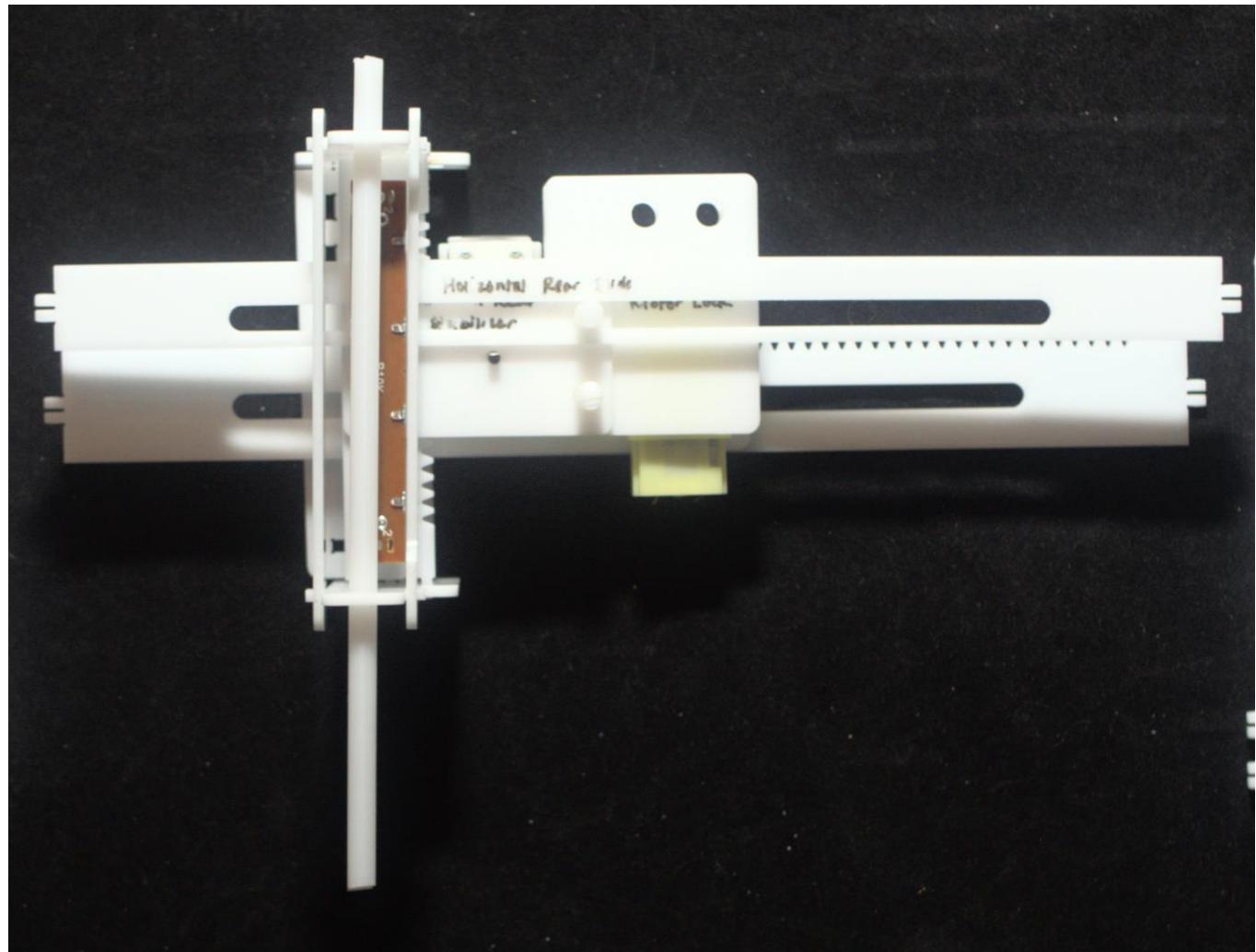
Attach the “Vertical Potentiometer Top Holder” and “Vertical Potentiometer Bottom Holder”.

LHR Top Rear Assembly: Step 8

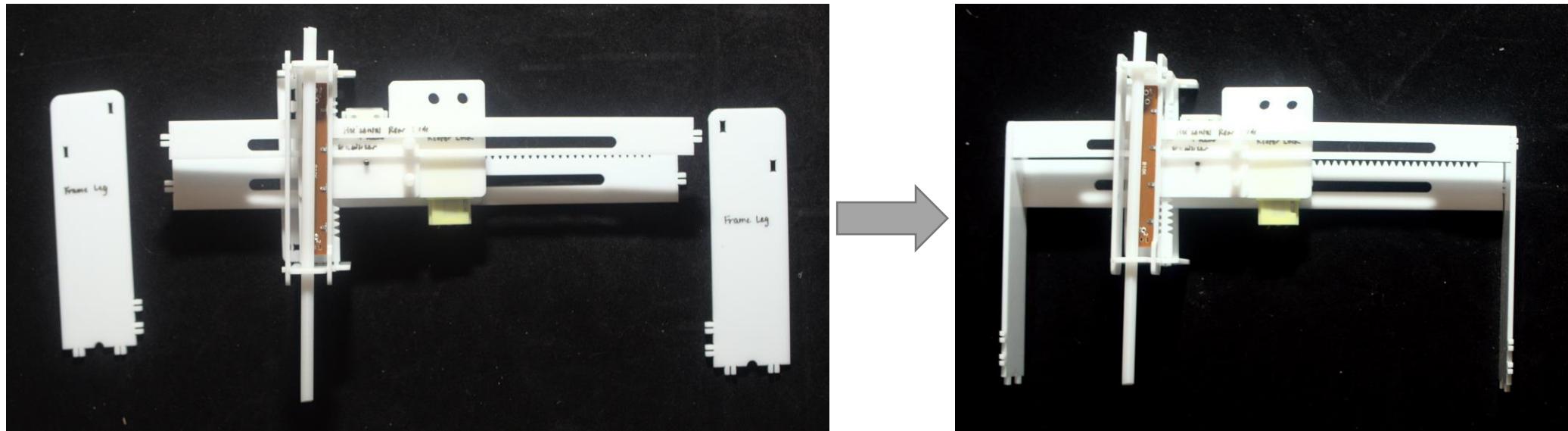


LHR Top Rear Assembly: Step 9

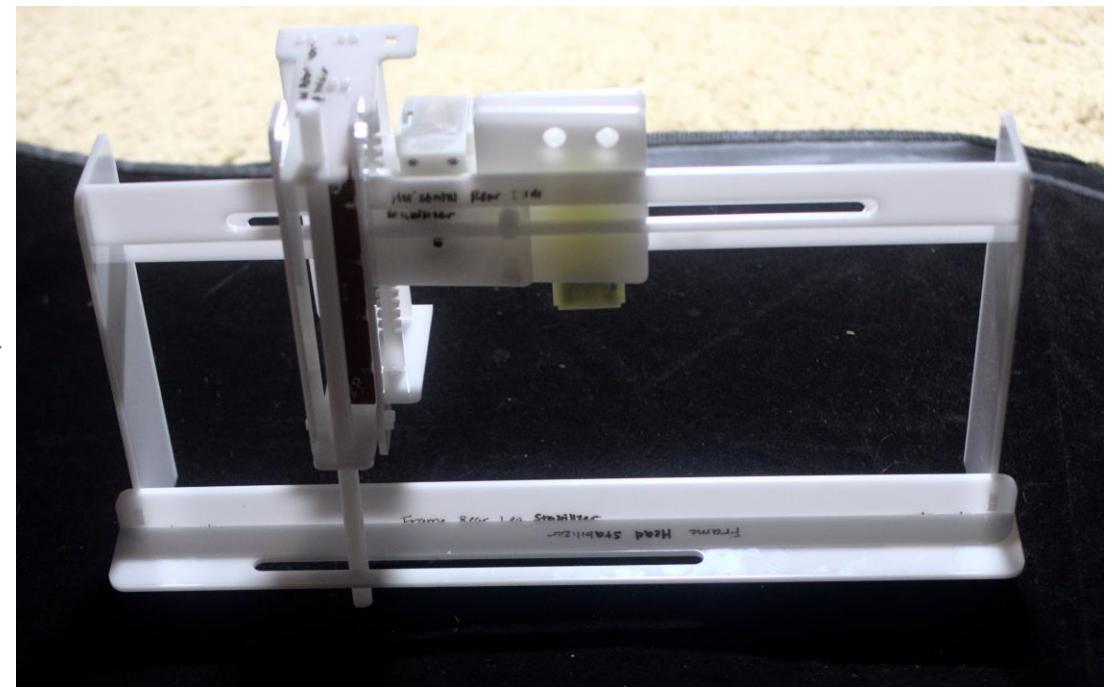
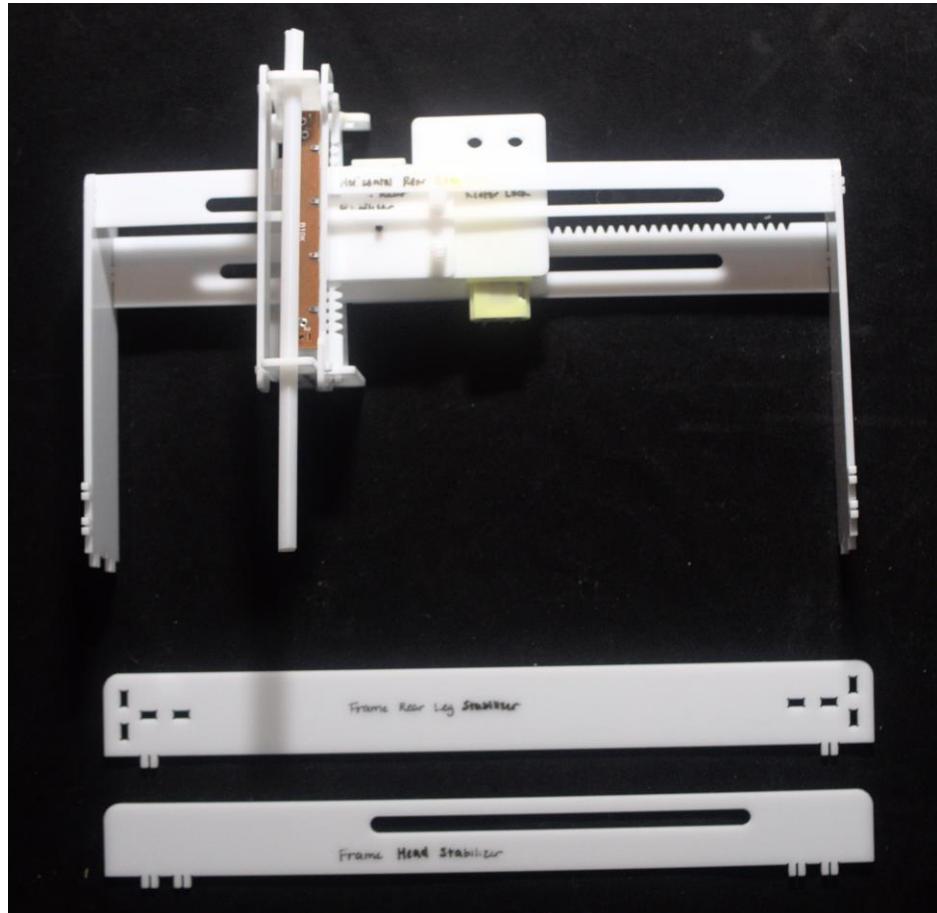
- Slide Delrin rod through the round holes in the “Vertical Potentiometer Top Holder” and “Vertical Potentiometer Bottom Holder”.

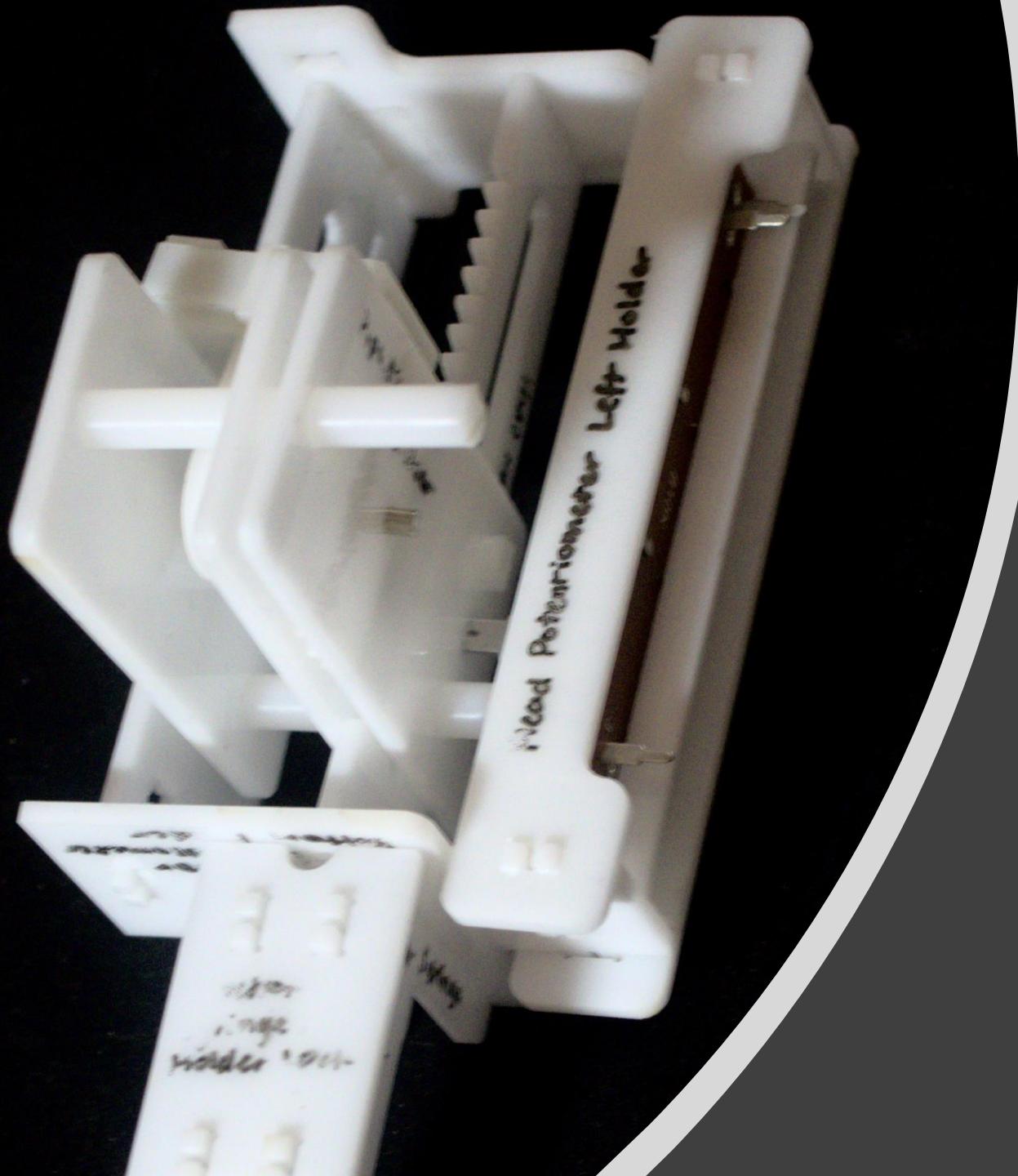


LHR Top Rear Assembly: Step 10



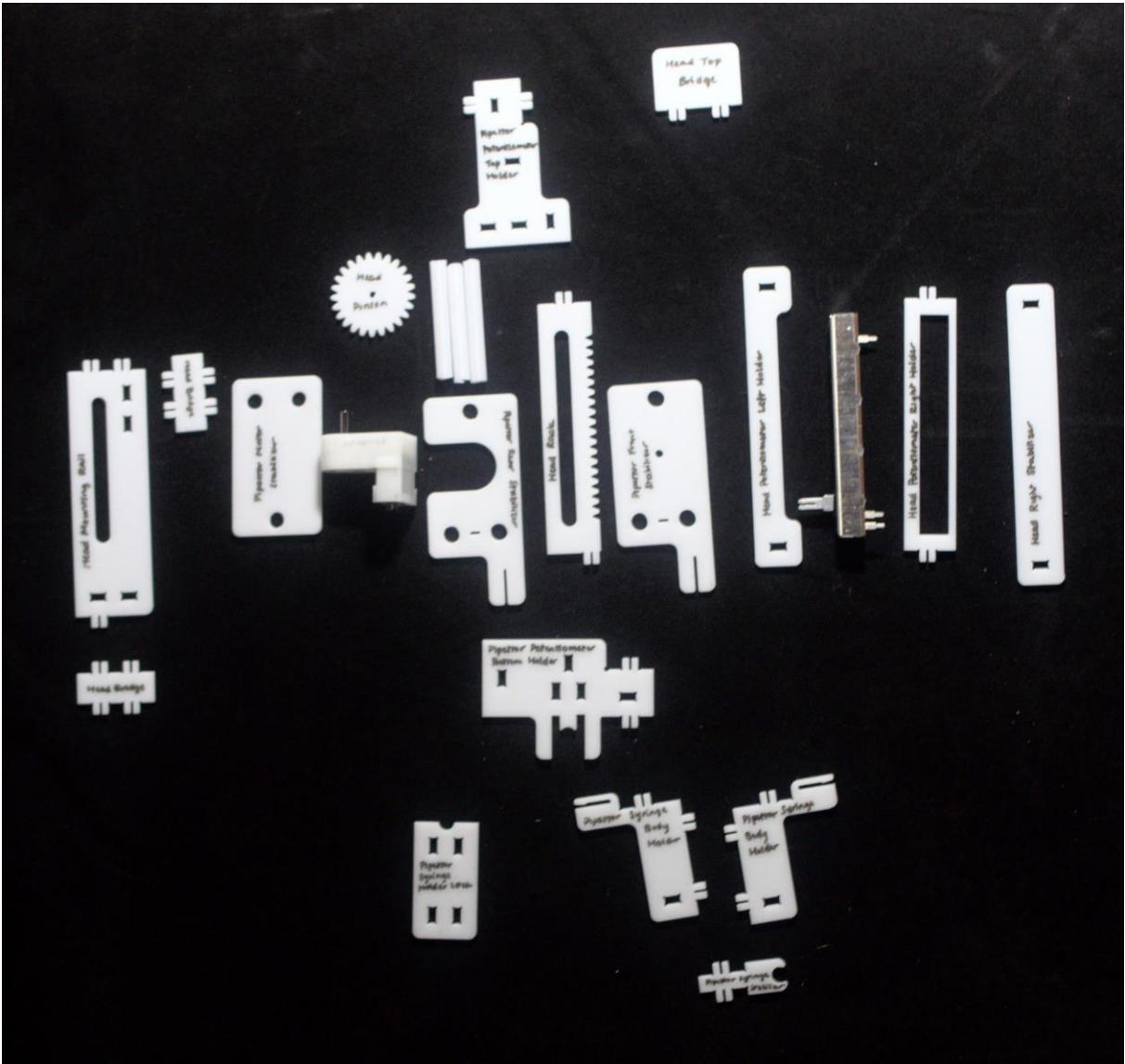
LHR Top Rear Assembly: Step 11



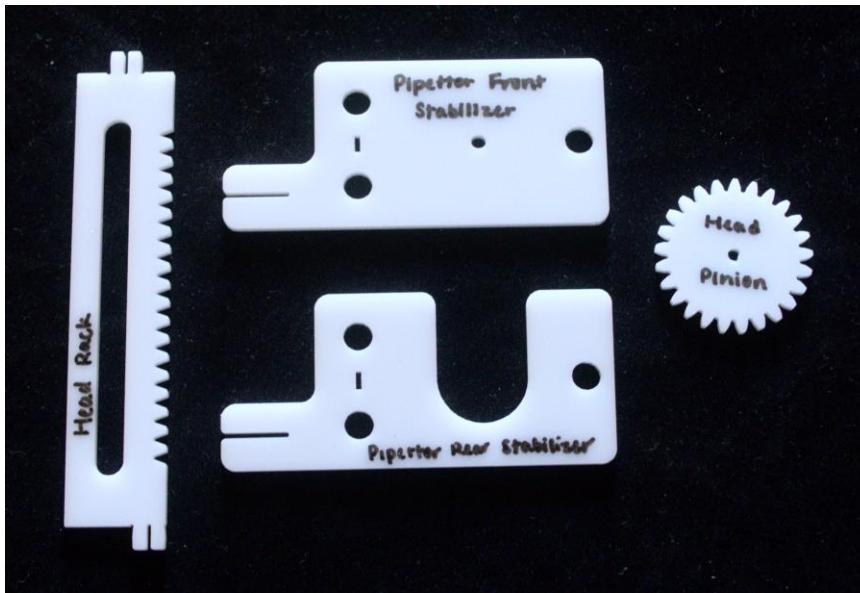


LHR Top Front
Assembly

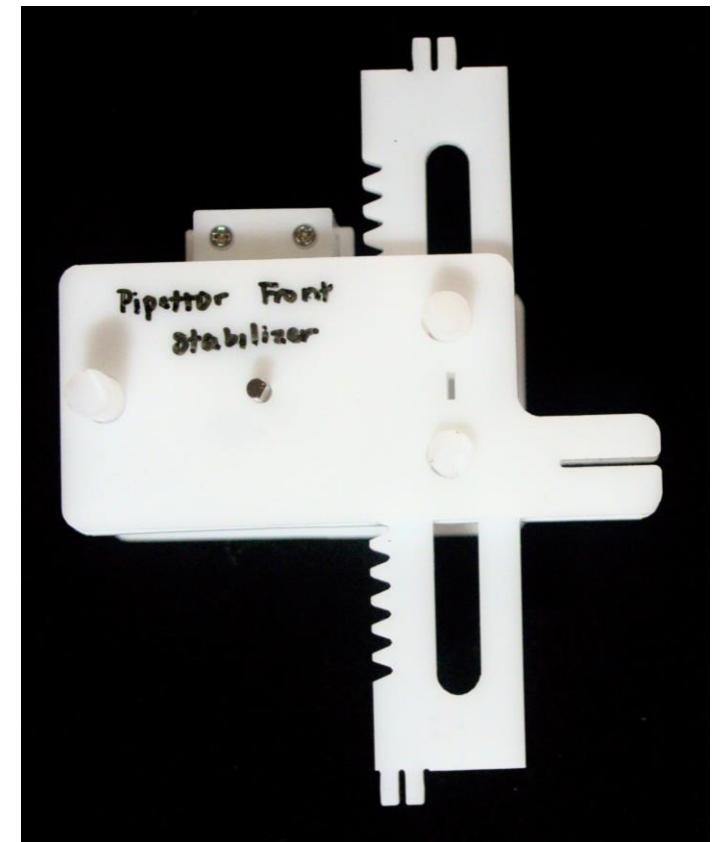
LHR Top Front: Parts



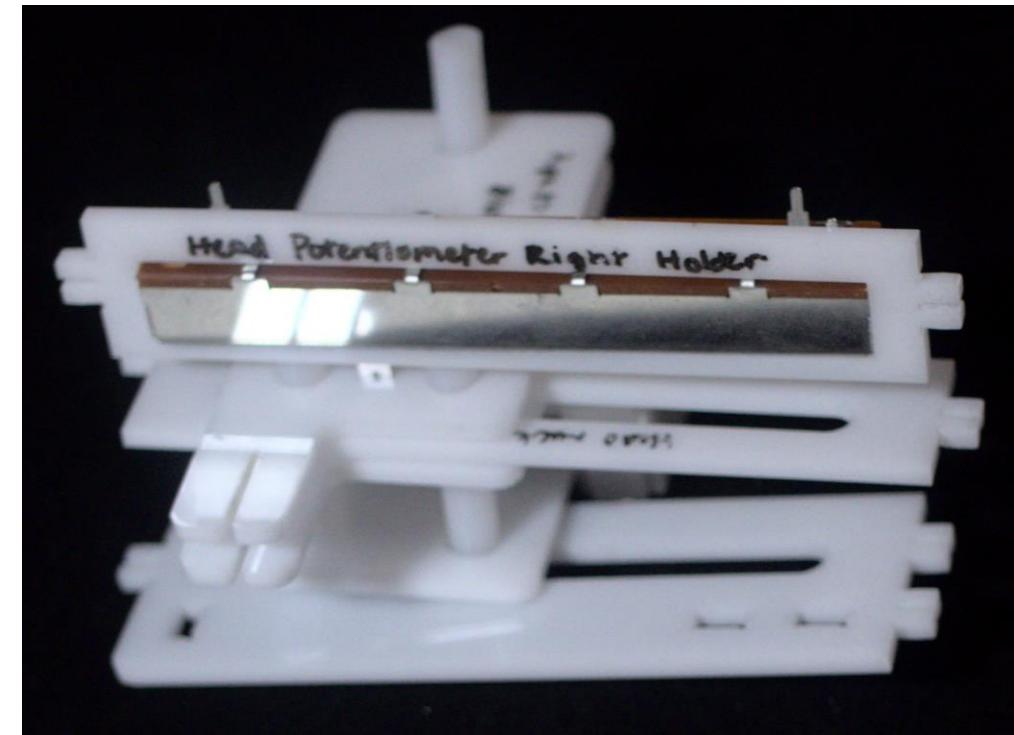
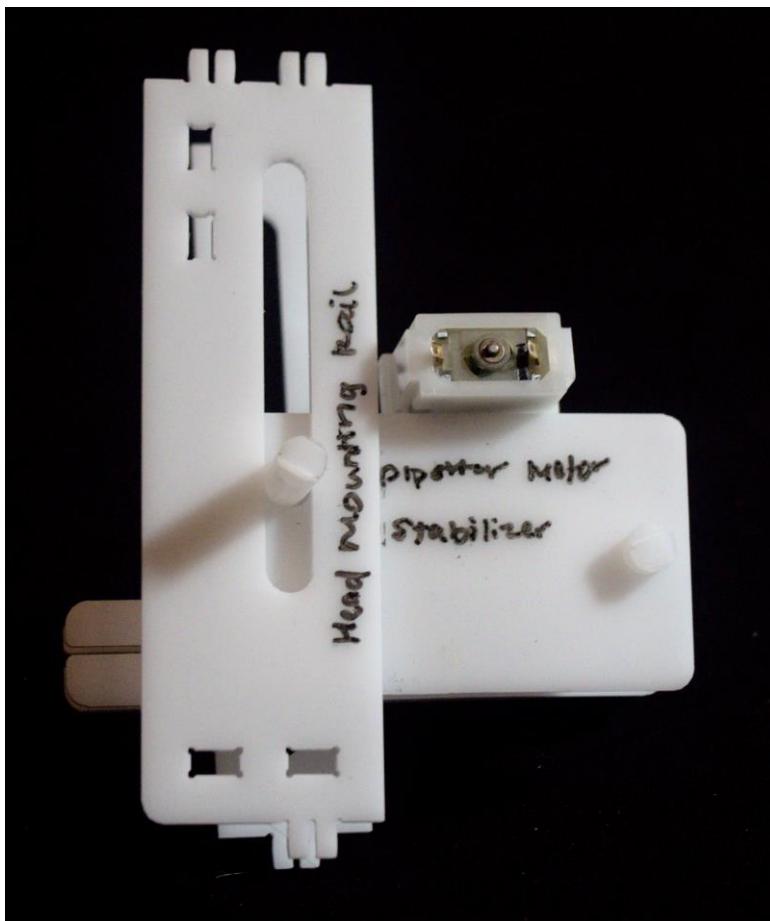
LHR Top Front Assembly: Step 1



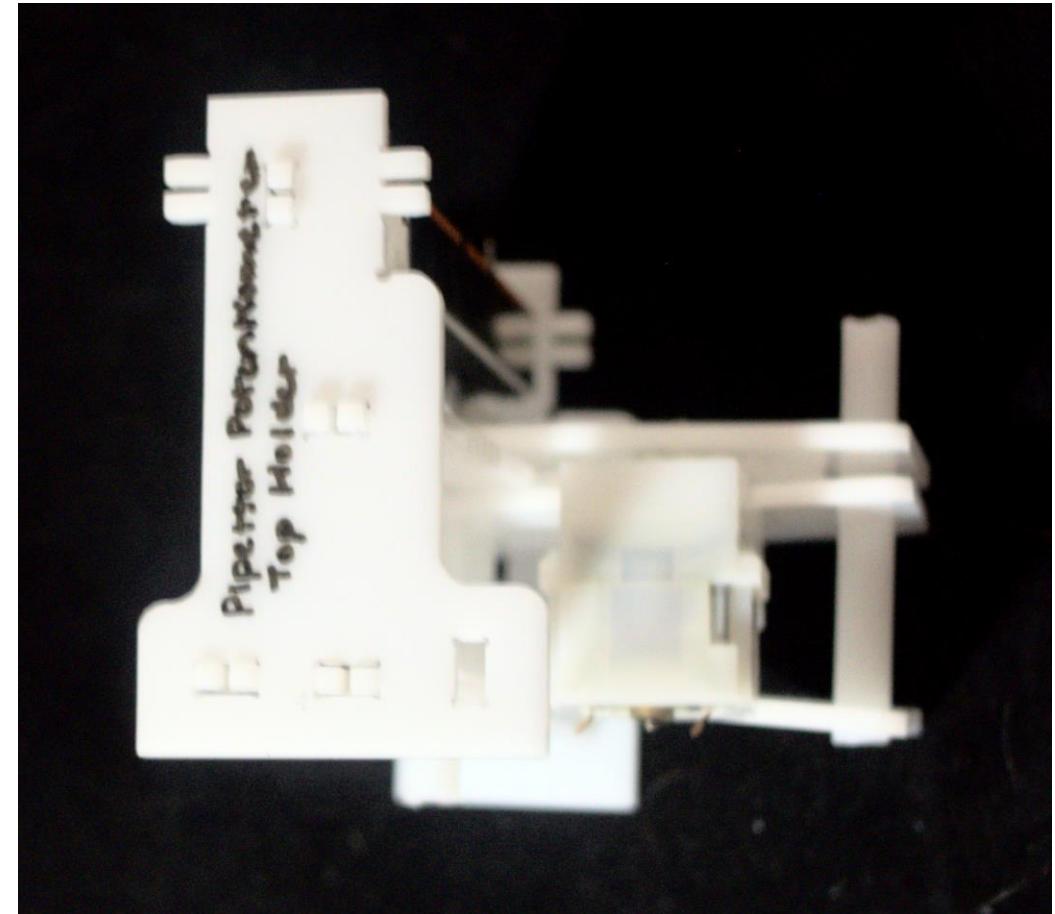
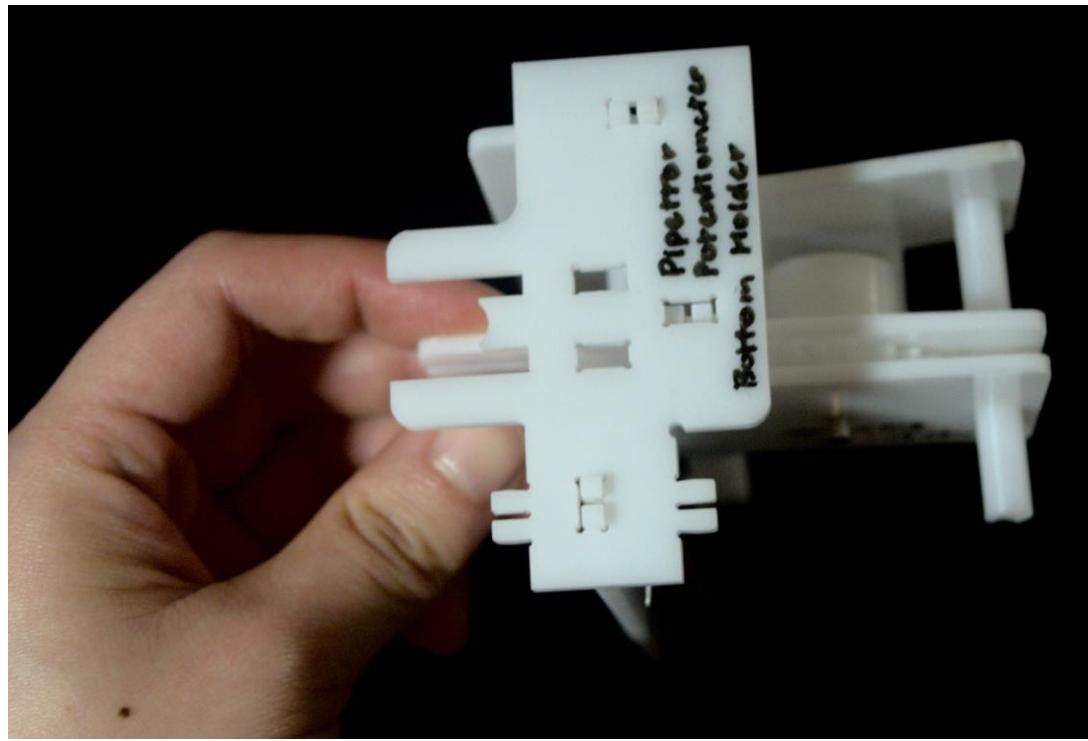
LHR Top Front Assembly: Step 2



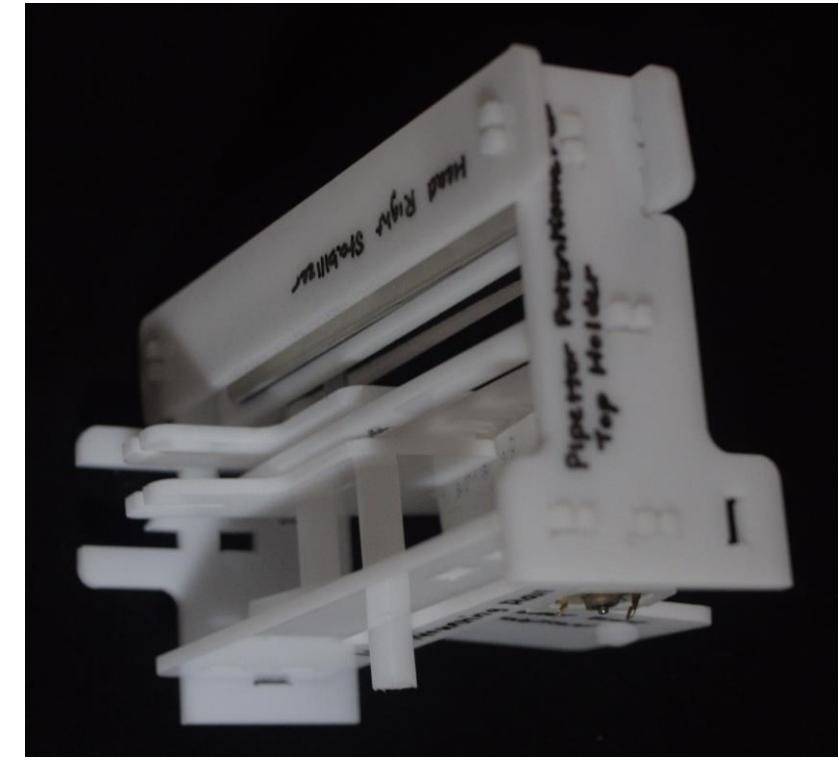
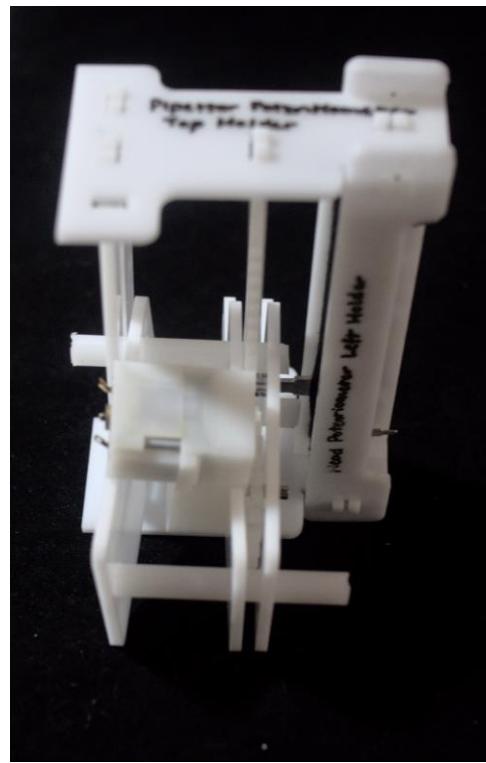
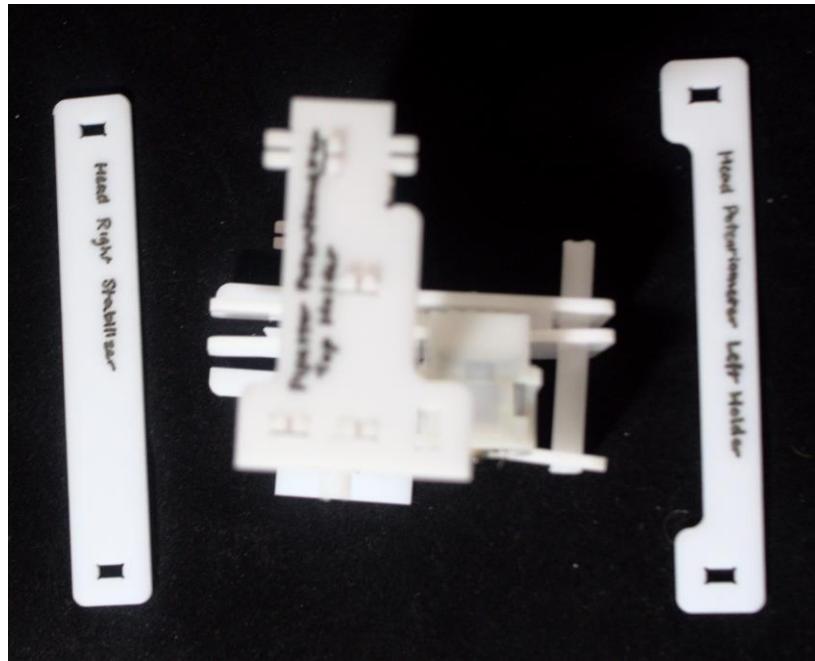
LHR Top Front Assembly: Step 3



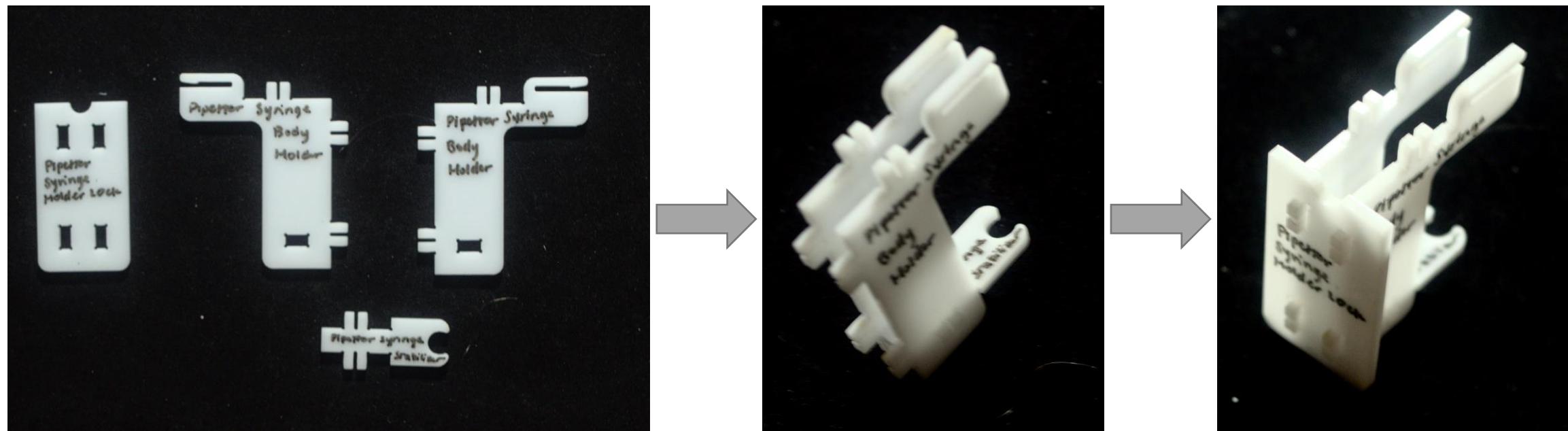
LHR Top Front Assembly: Step 4



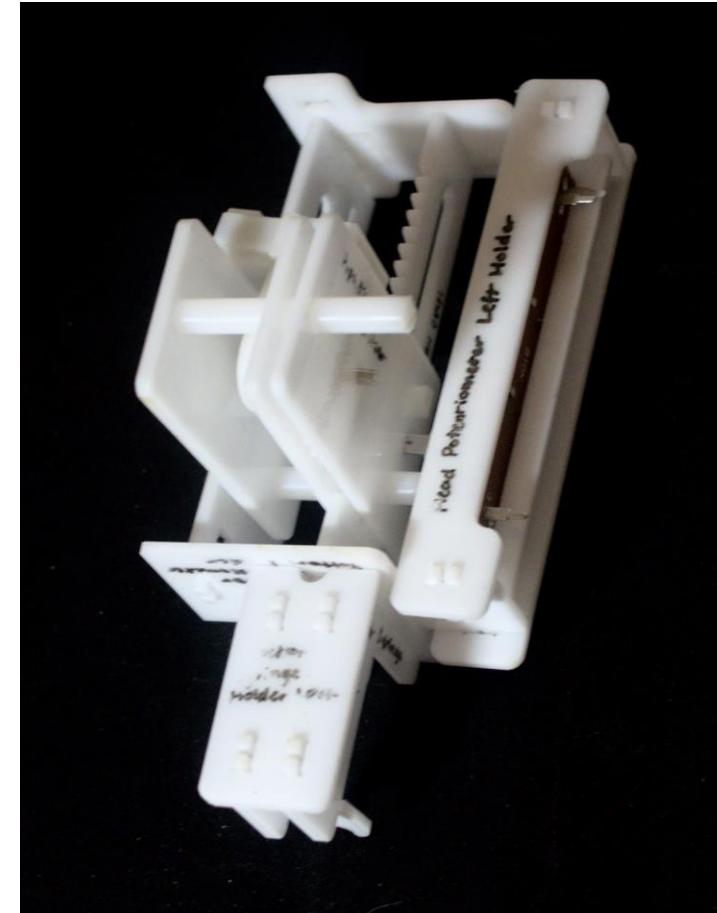
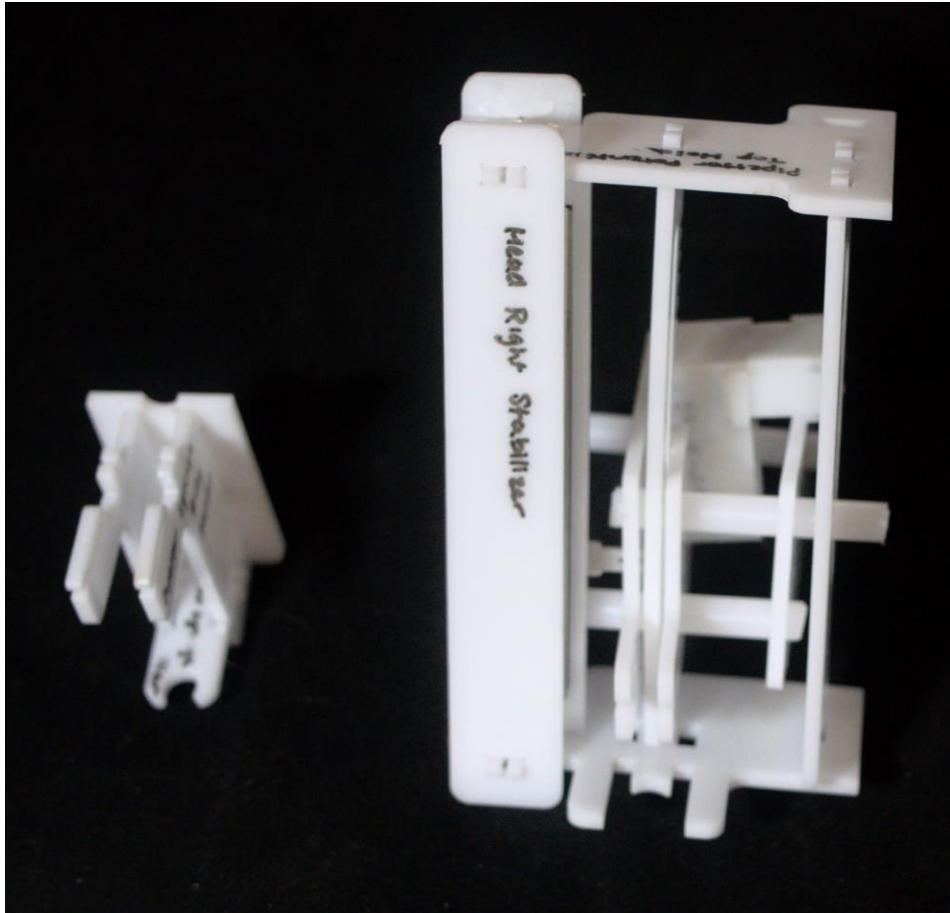
LHR Top Front Assembly: Step 5



LHR Top Front Assembly: Step 6

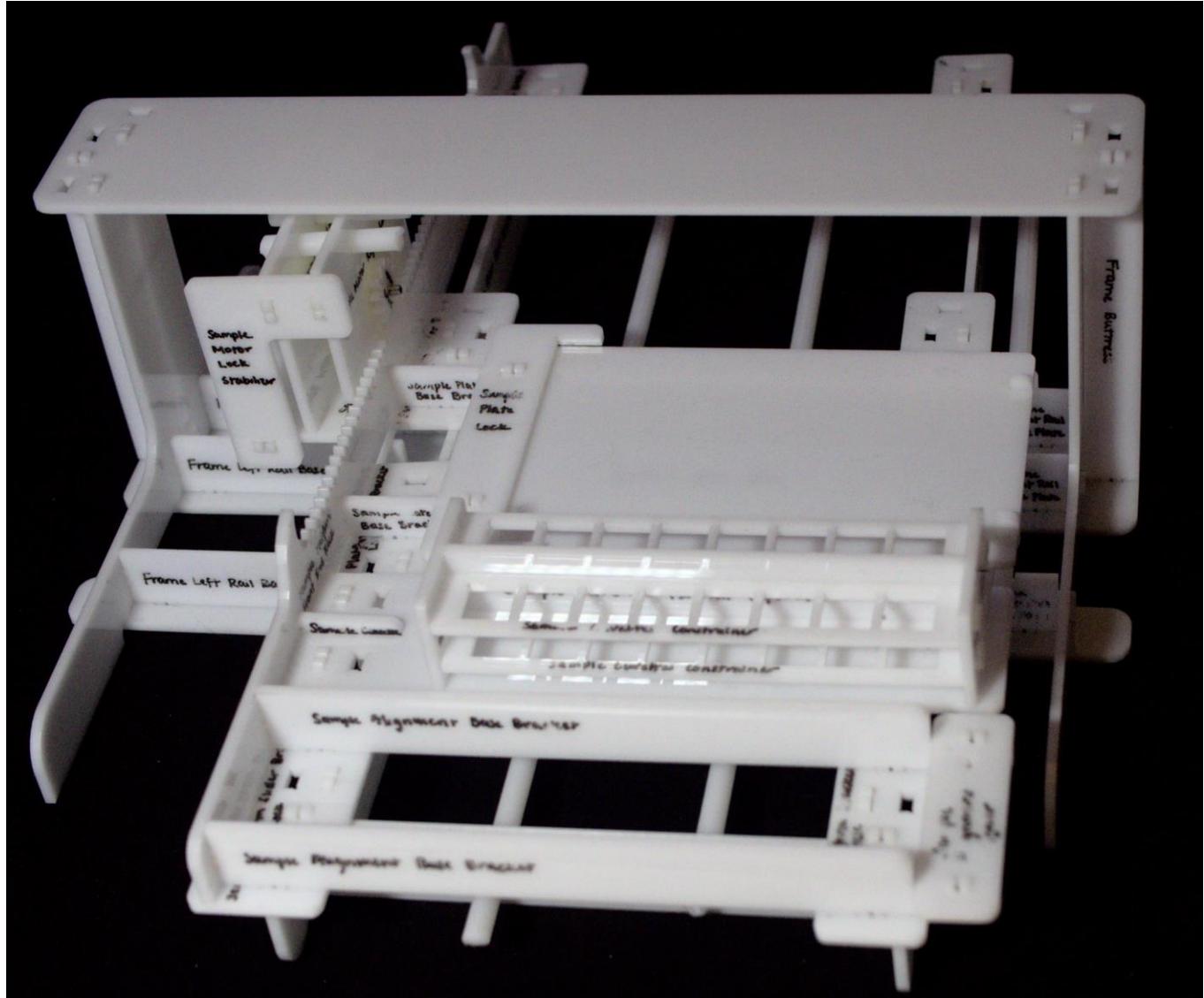


LHR Top Front Assembly: Step 7



Final Assembly: Step 1

- Place LHR Stage into LHR Base with the long Delrin rods along the indents of the “Frame Left Rail Base” and “Frame Right Rail Base”.
- Snap Stage Motor Controller onto the middle “Frame Left Rail Base” pieces such that the teeth of the “Small Pinion” fit into the teeth of the “Sample Platform End Racks”.



Final Assembly: Step 2

- Snap the LHR Top Rear onto the “Frame Bottom Leg Stabilizer”.
- Connect the LHR Top Front to the LHR Top Rear with the two “Head Bridge” pieces and the “Head Top Bridge”.

