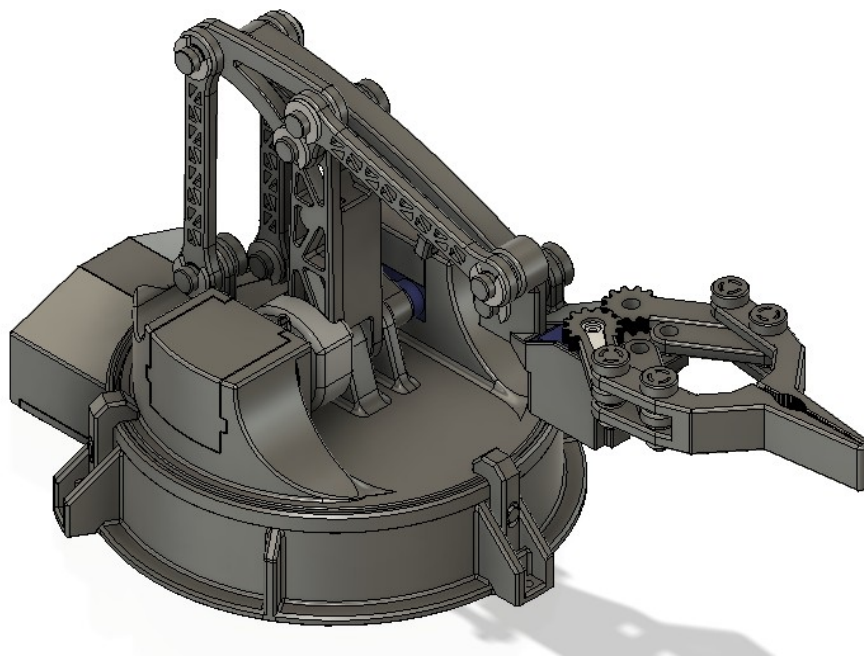


How to assemble 3DP Robot Arm V1

Document version 1.0



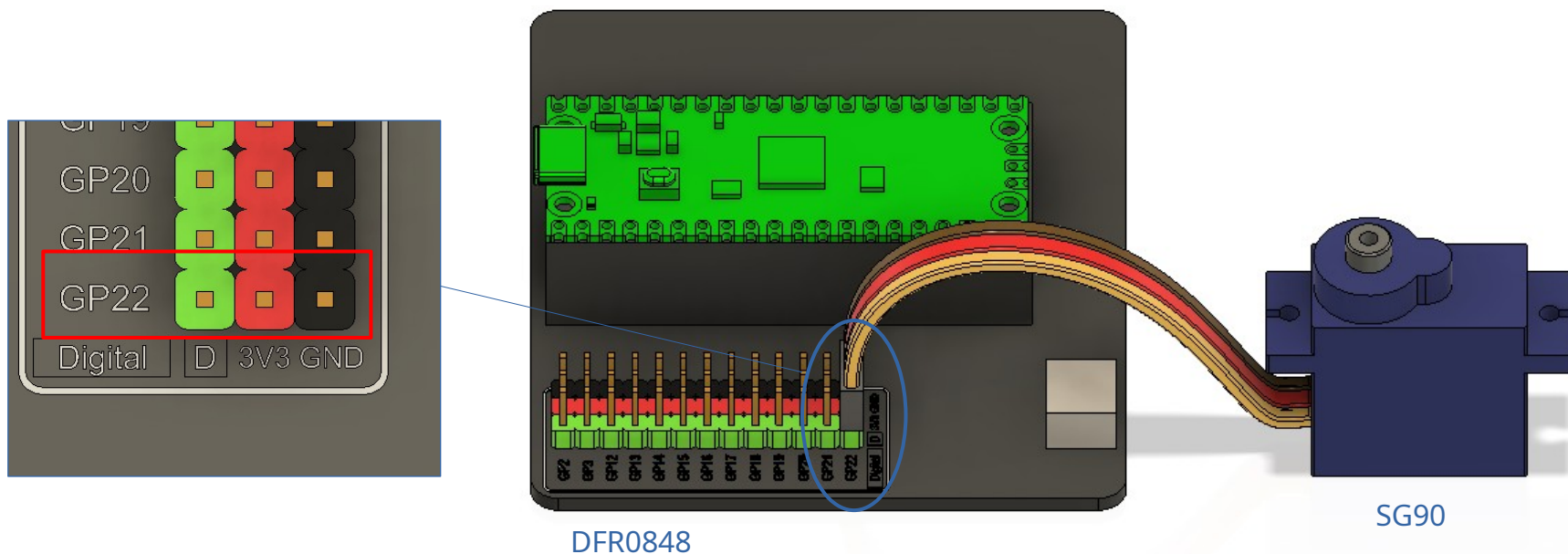
1

Origin alignment

Insert the servo's connector into GP22.

When the sample program is written in Pico, there is a signal on the GP22 pin to set SG90 to 0 degrees.

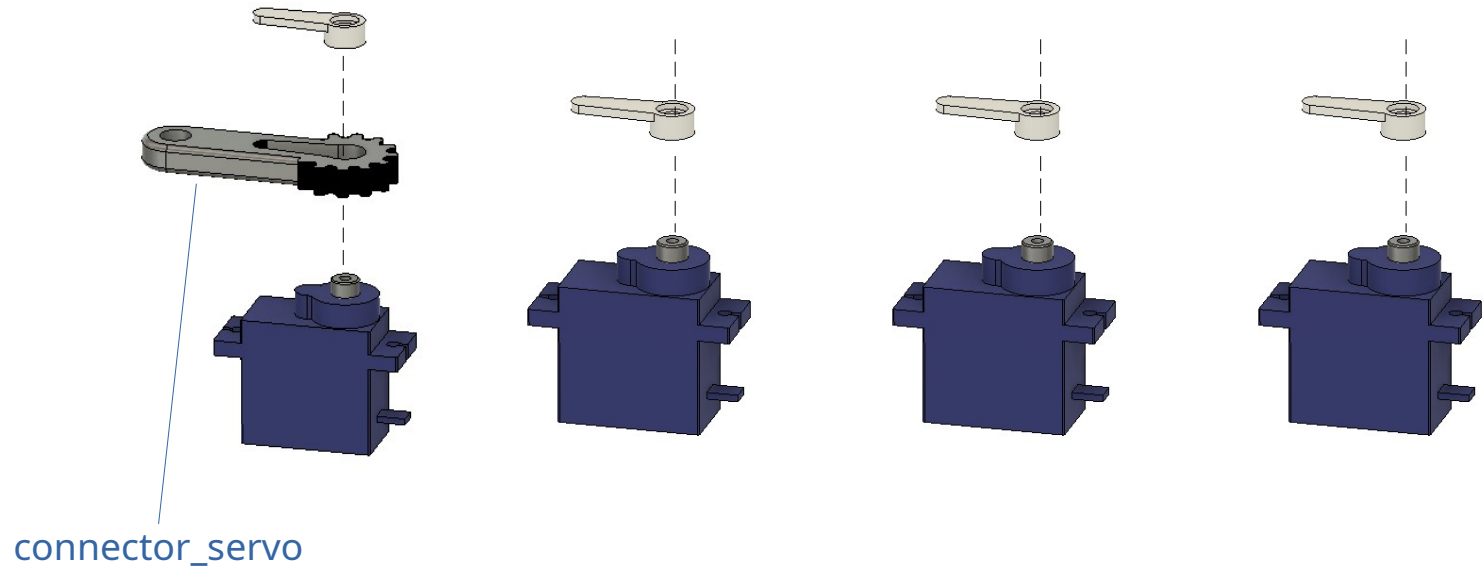
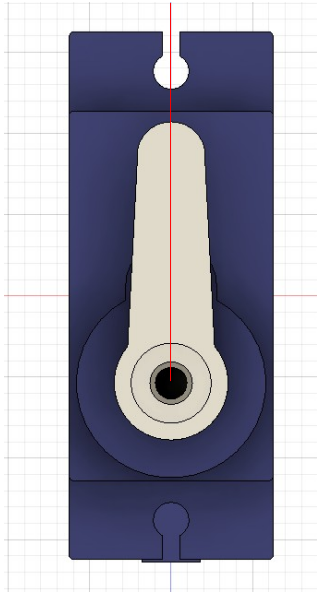
Be careful of the direction of insertion. The correct orientation is that the brown wire of the servo sticks to the black pin.



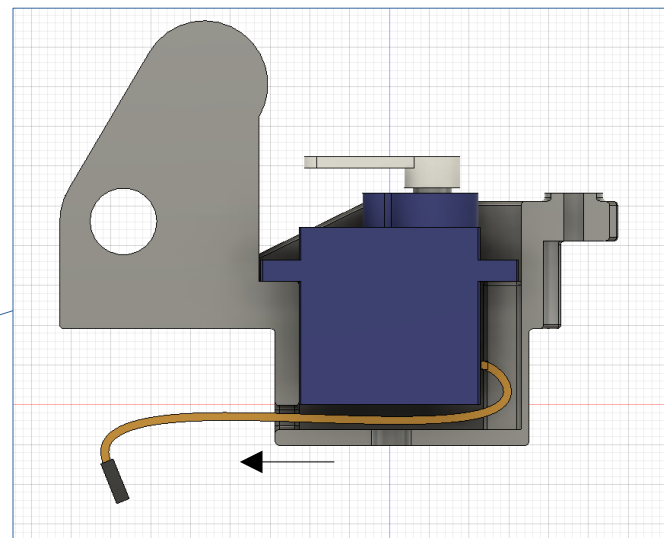
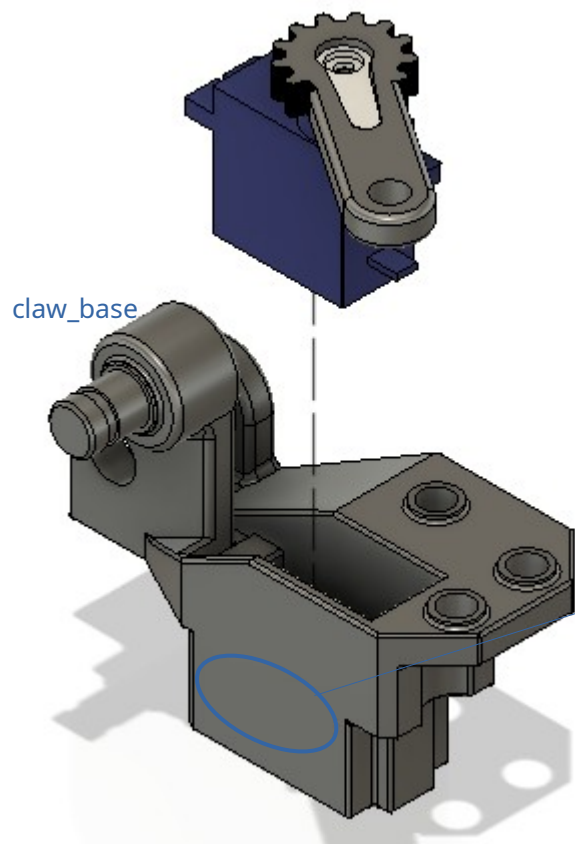
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Attach horns to 4 servo motors

Mount the horn on the servo axis with the horn facing the same direction as shown in the figure.
One of the four servos is attached to `connector_servo`.

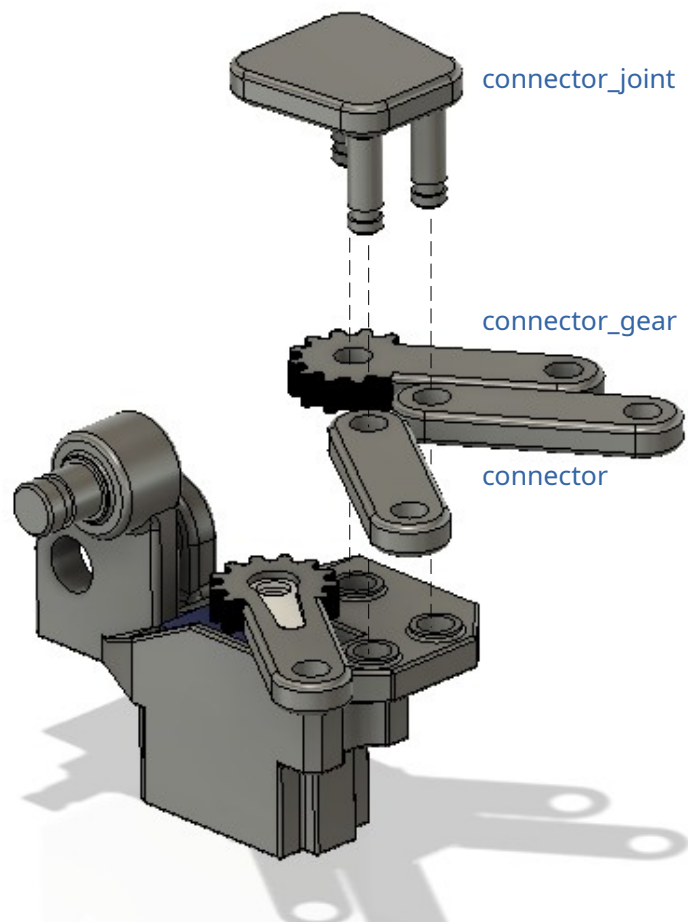


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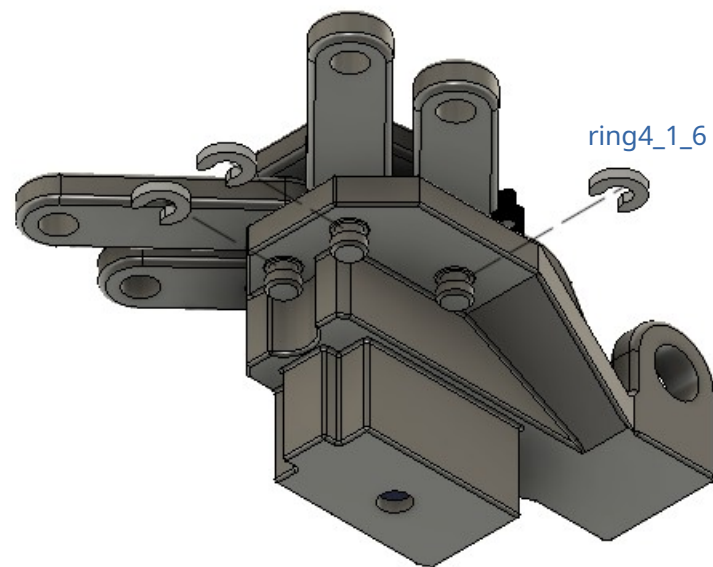


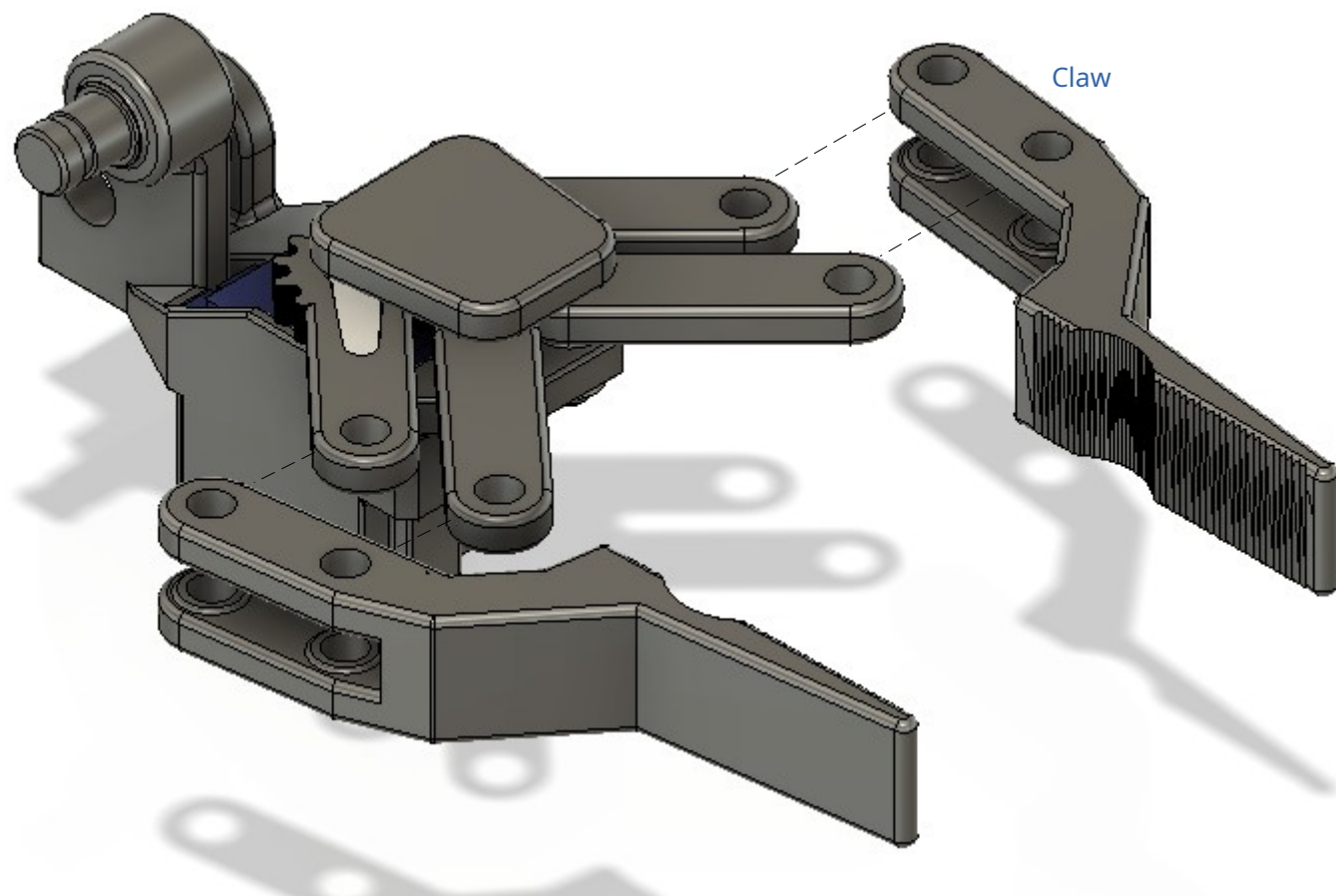
Cross section

4

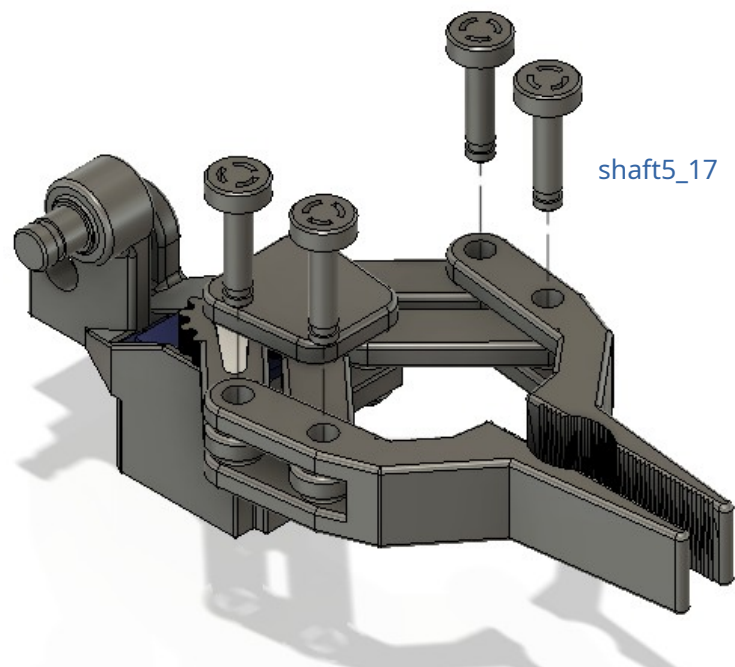


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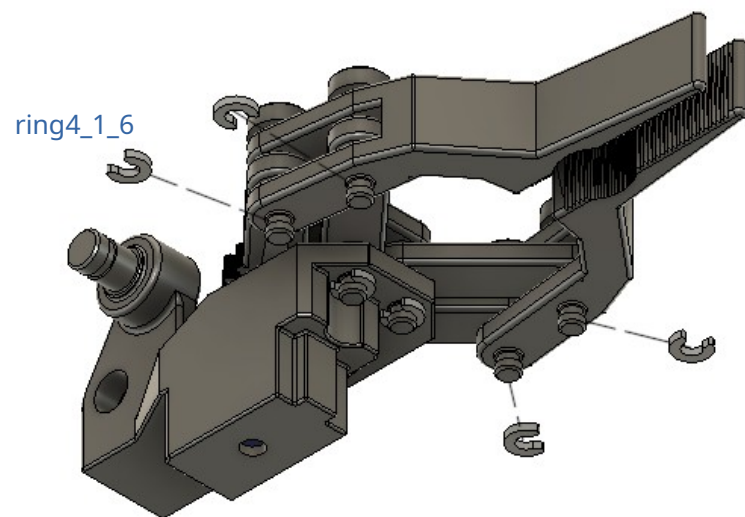


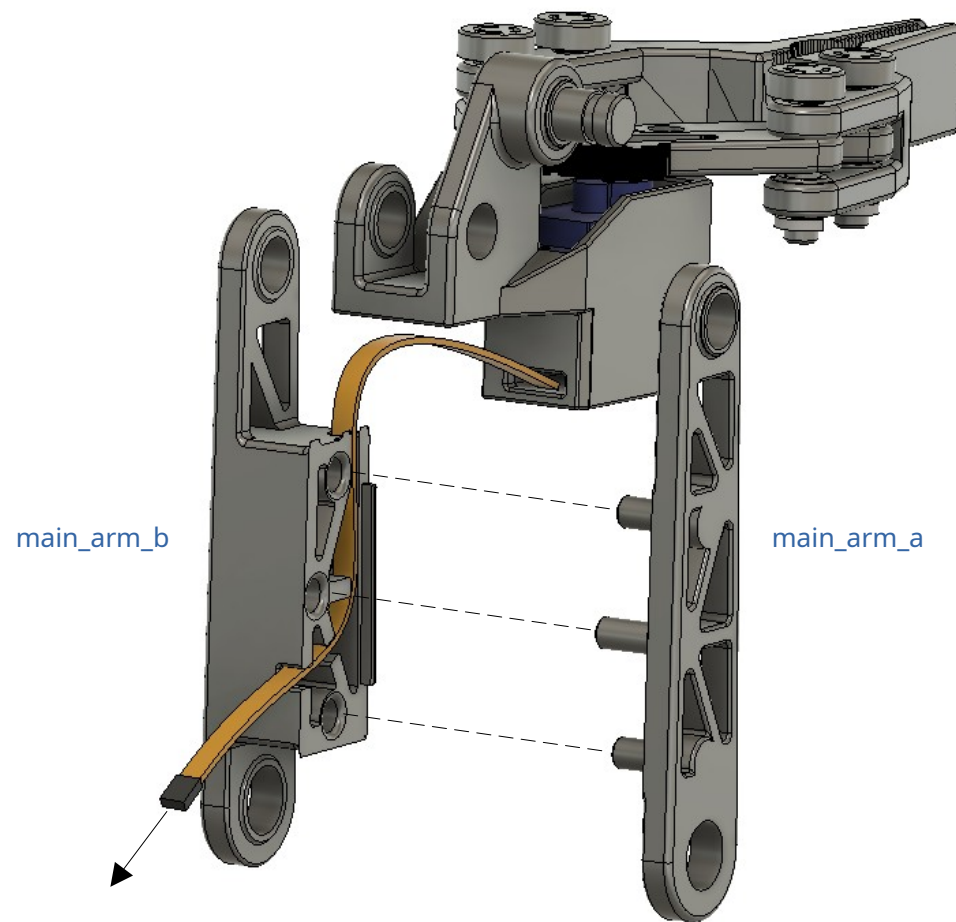


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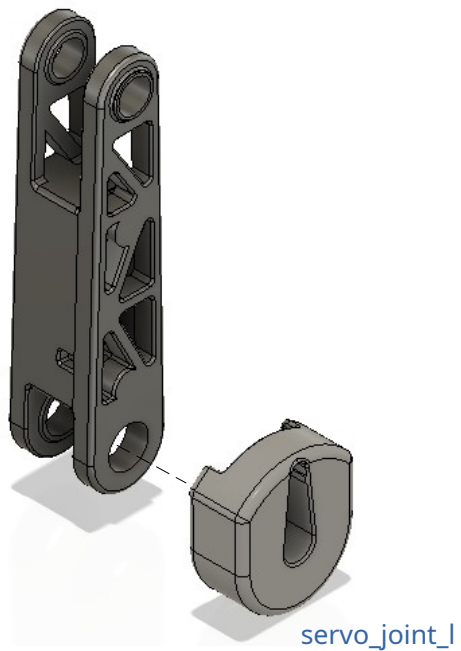


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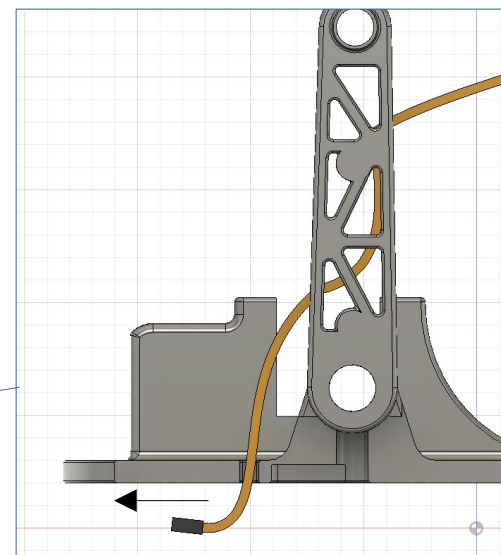
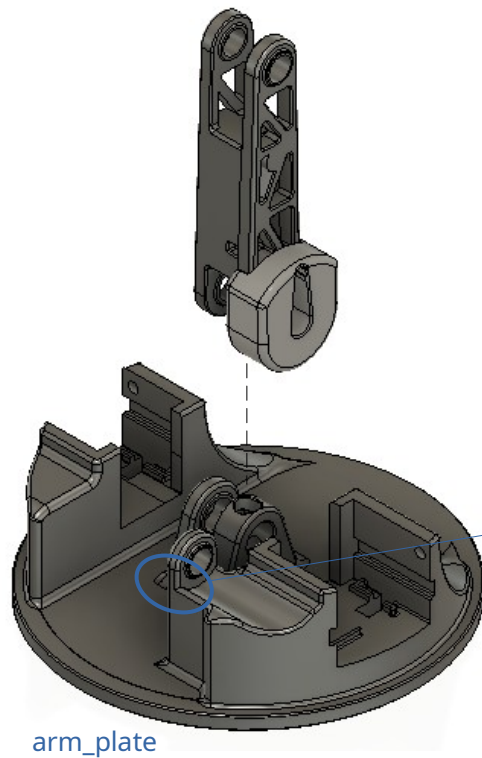




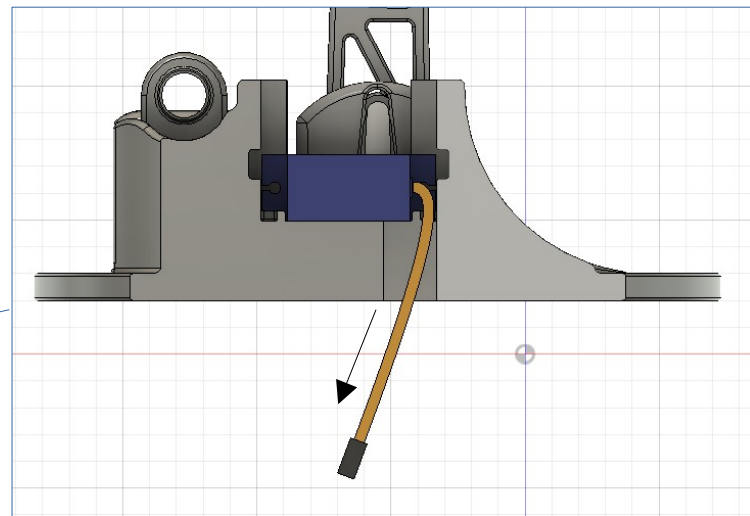
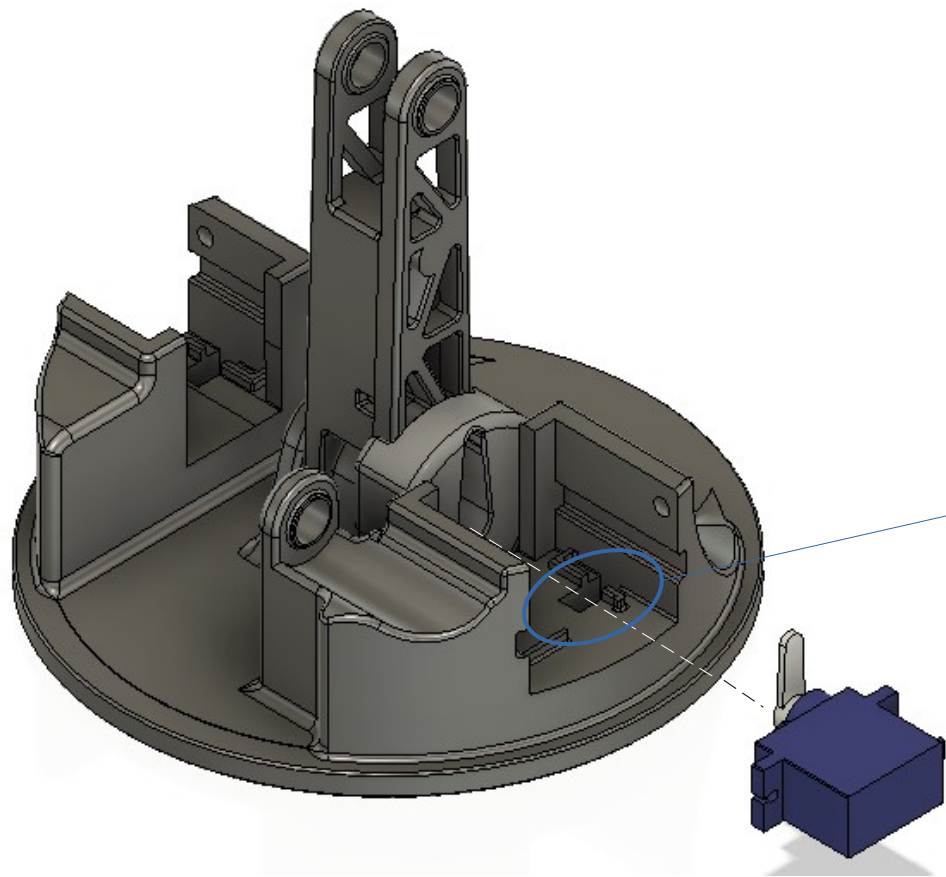
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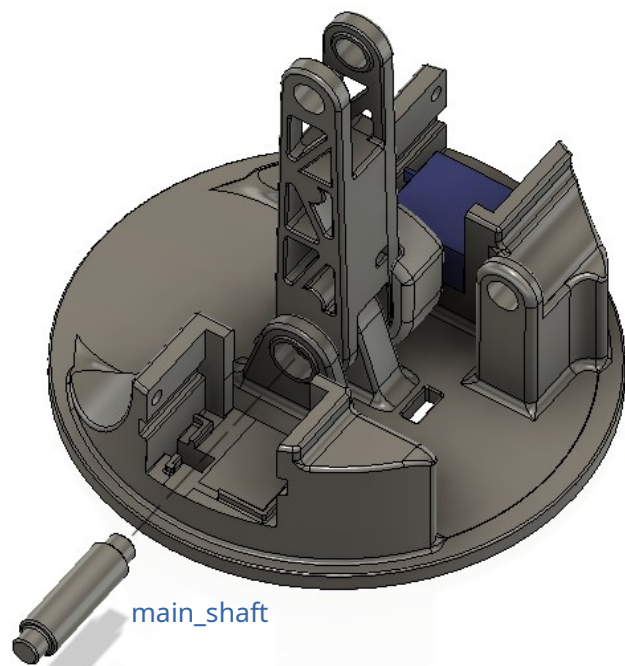


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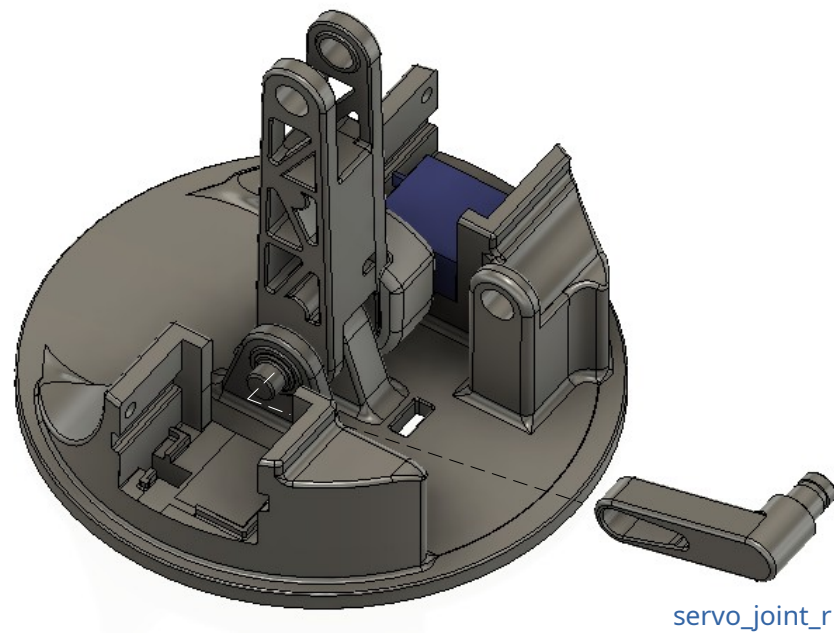


Cross section

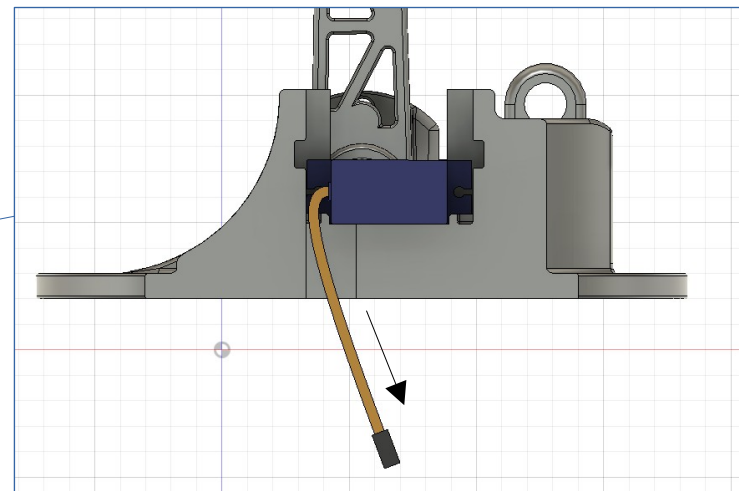
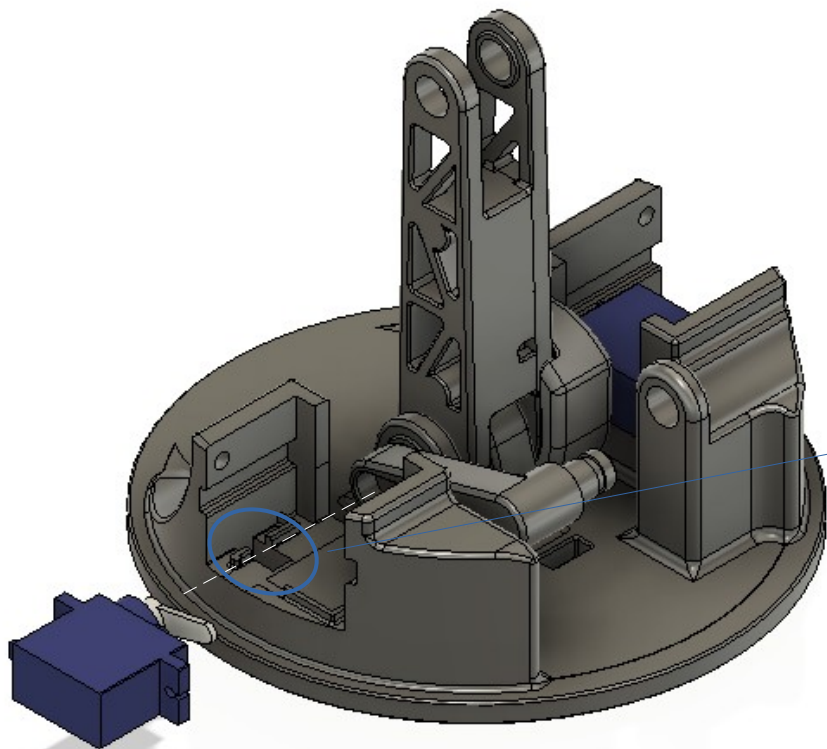
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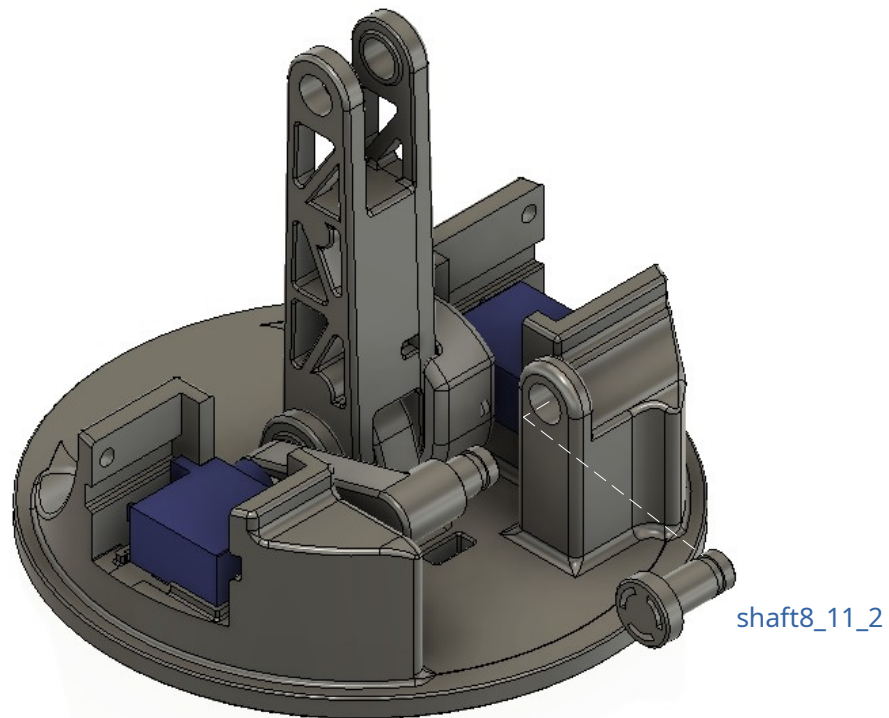


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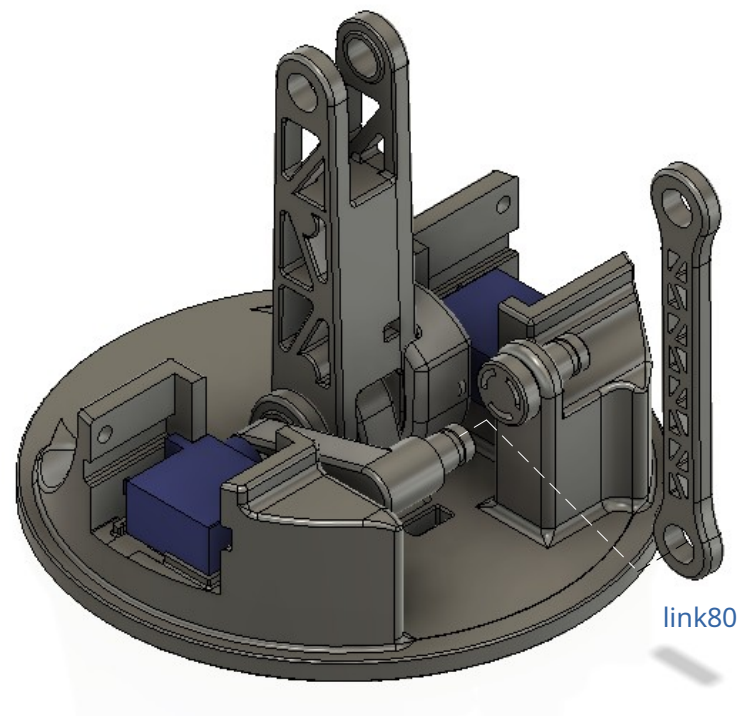


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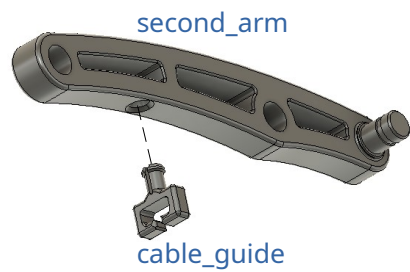
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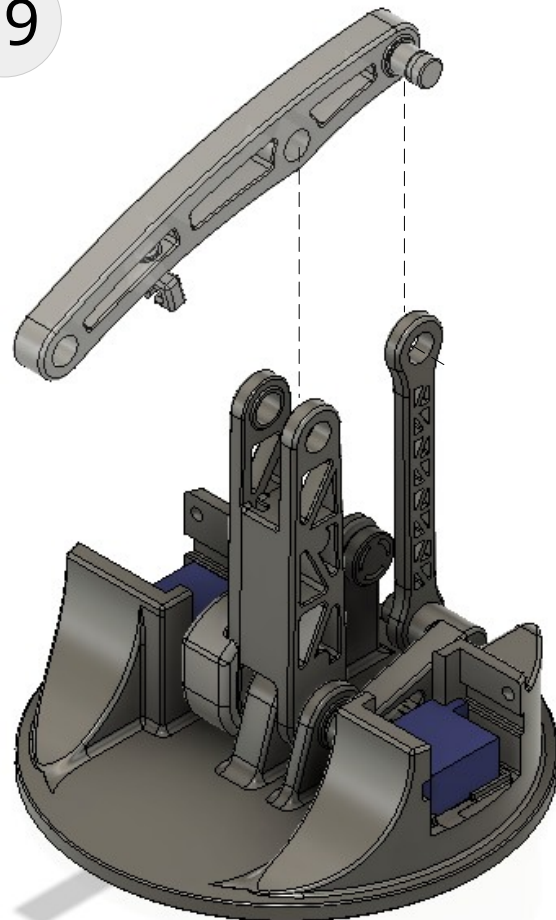
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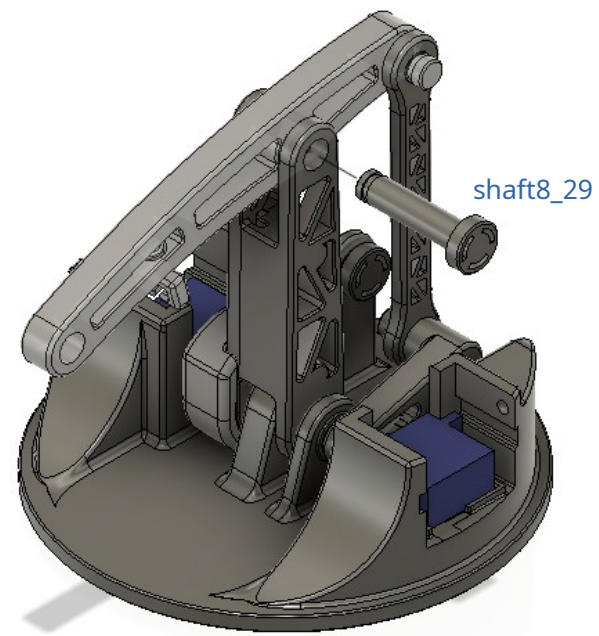
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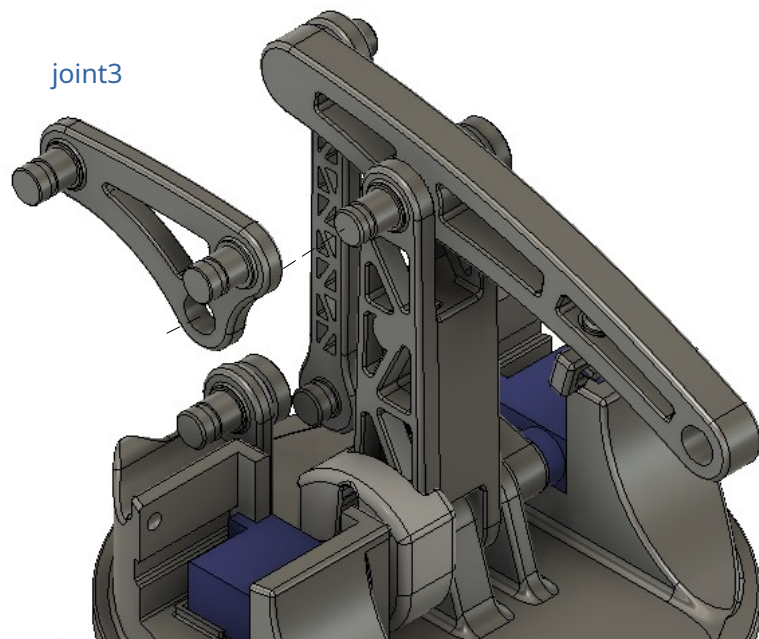
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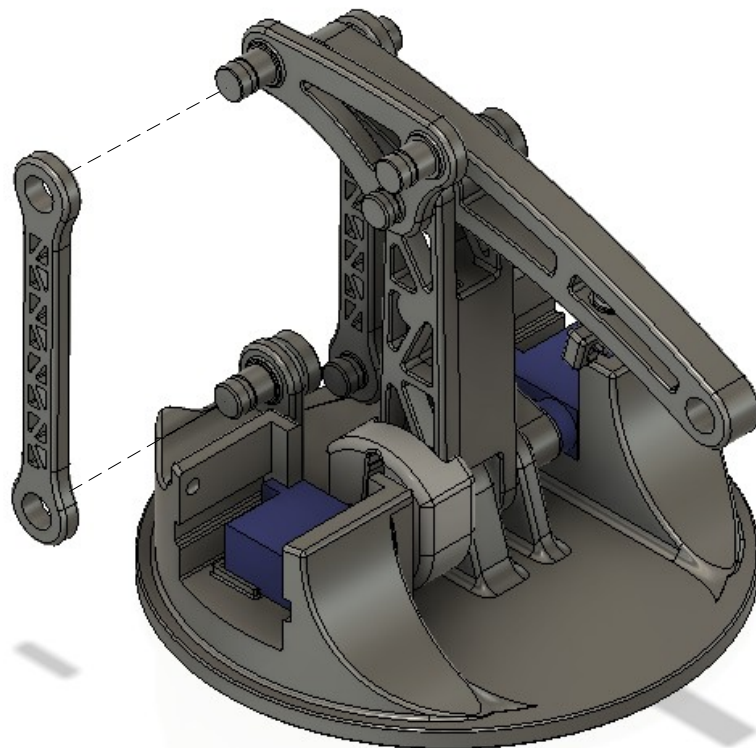
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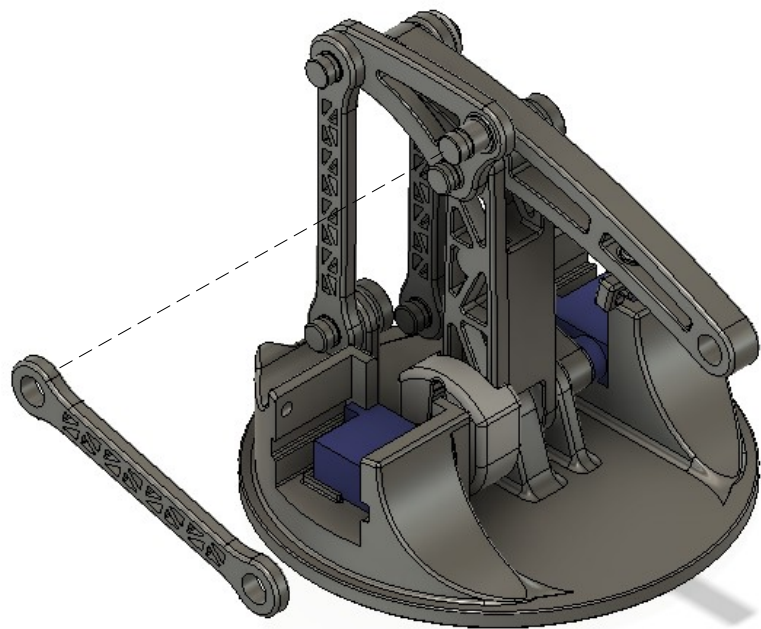
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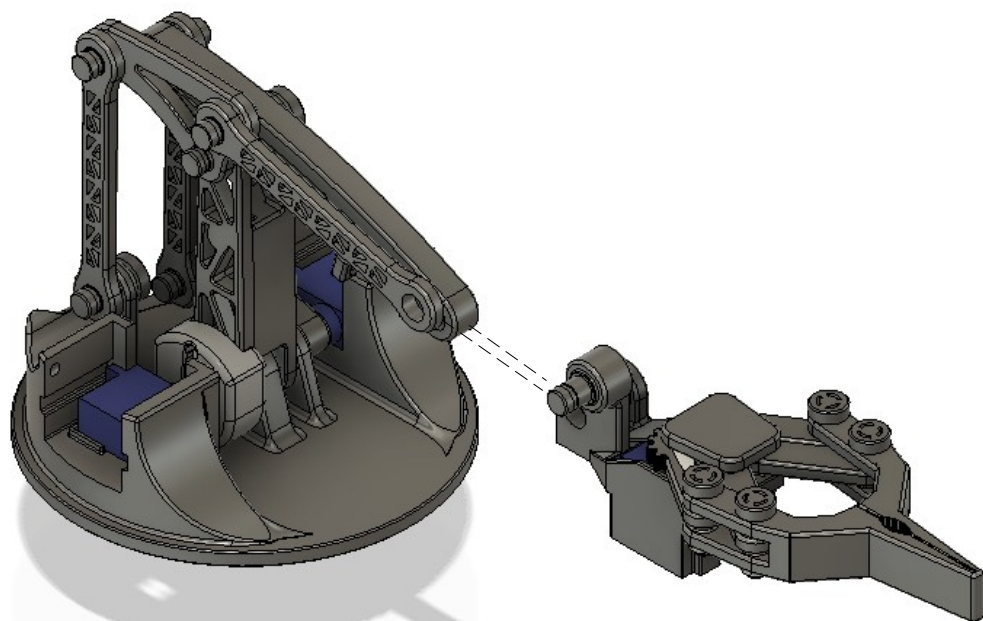
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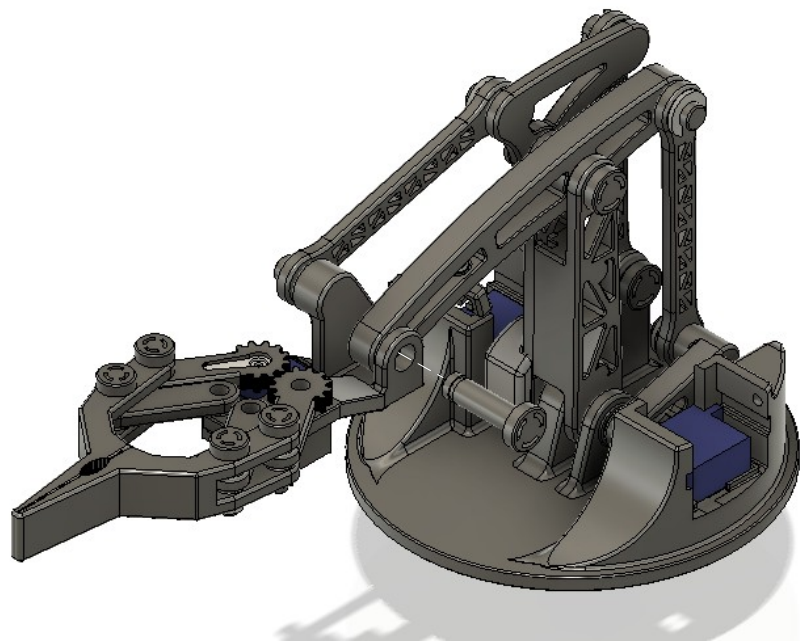
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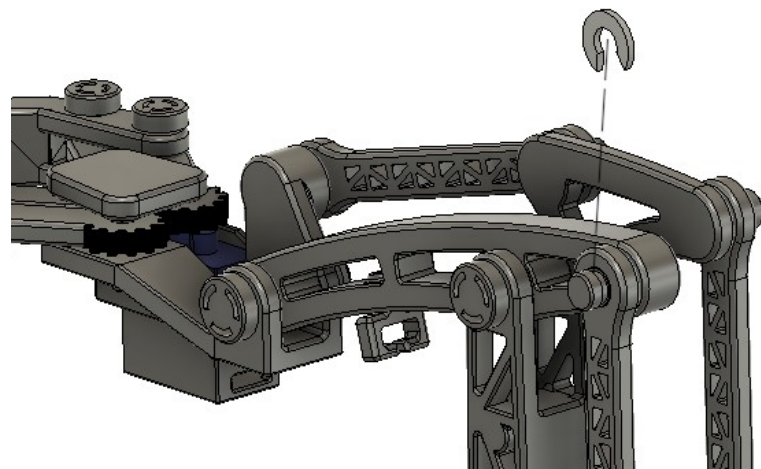
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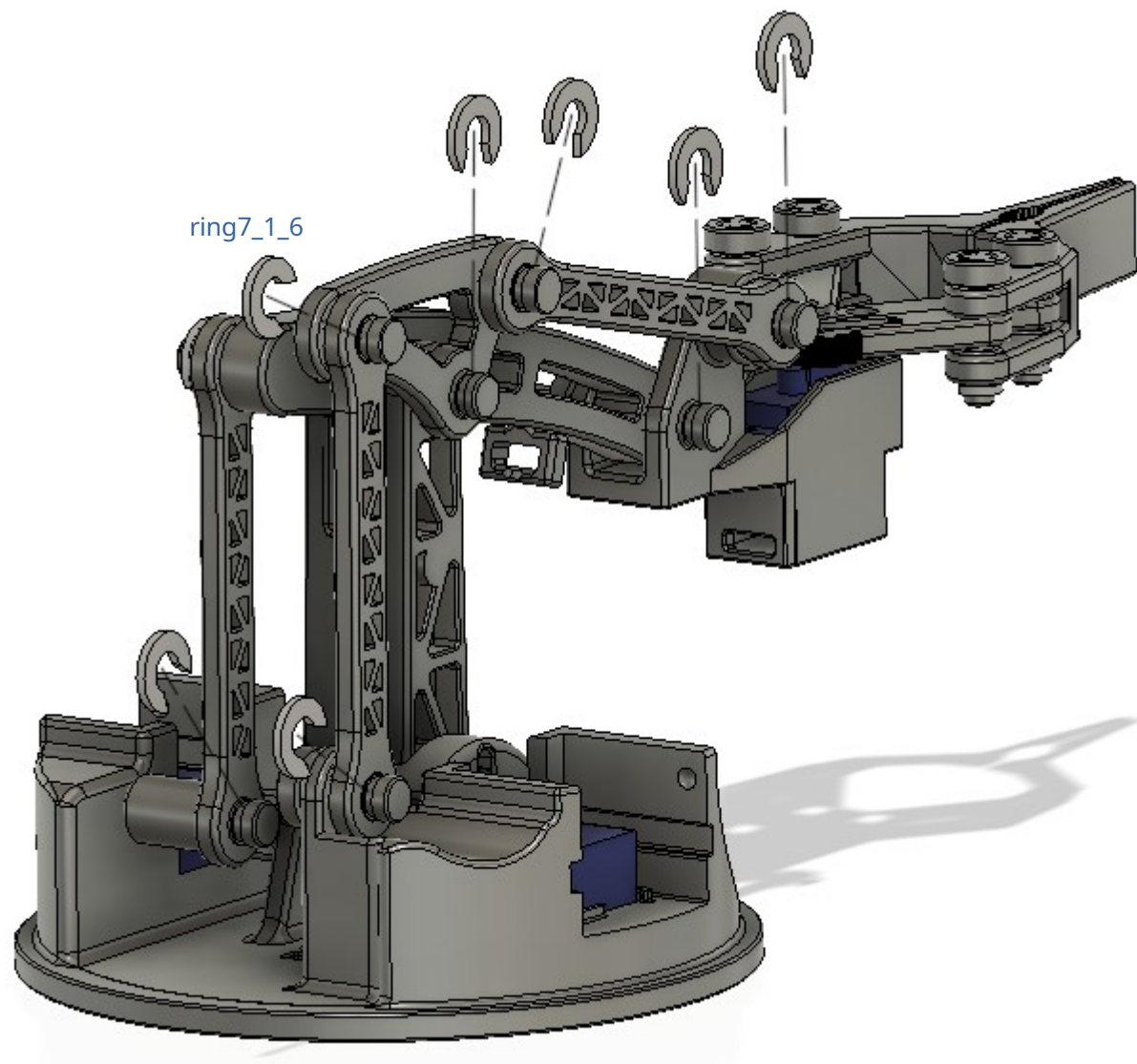


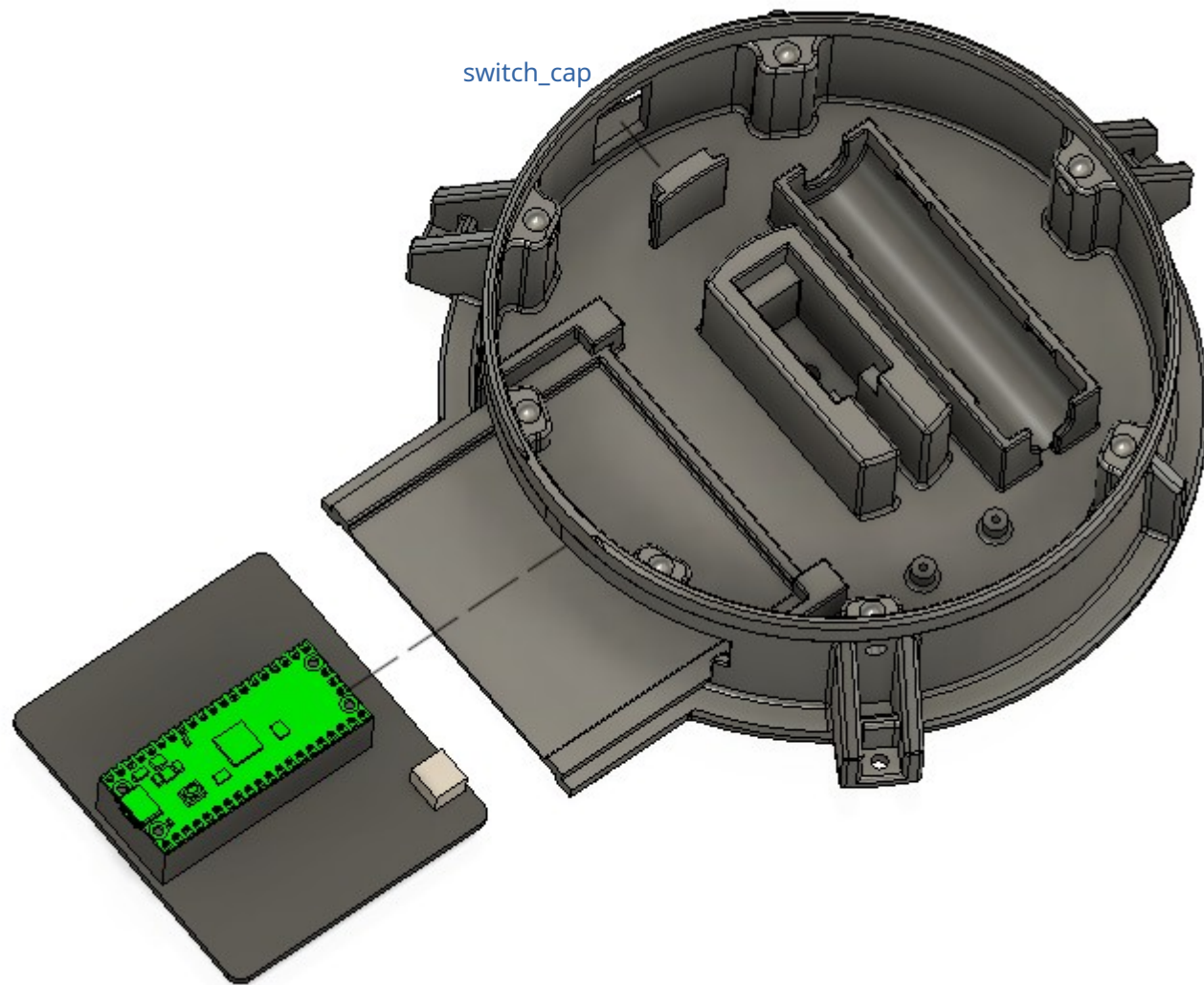
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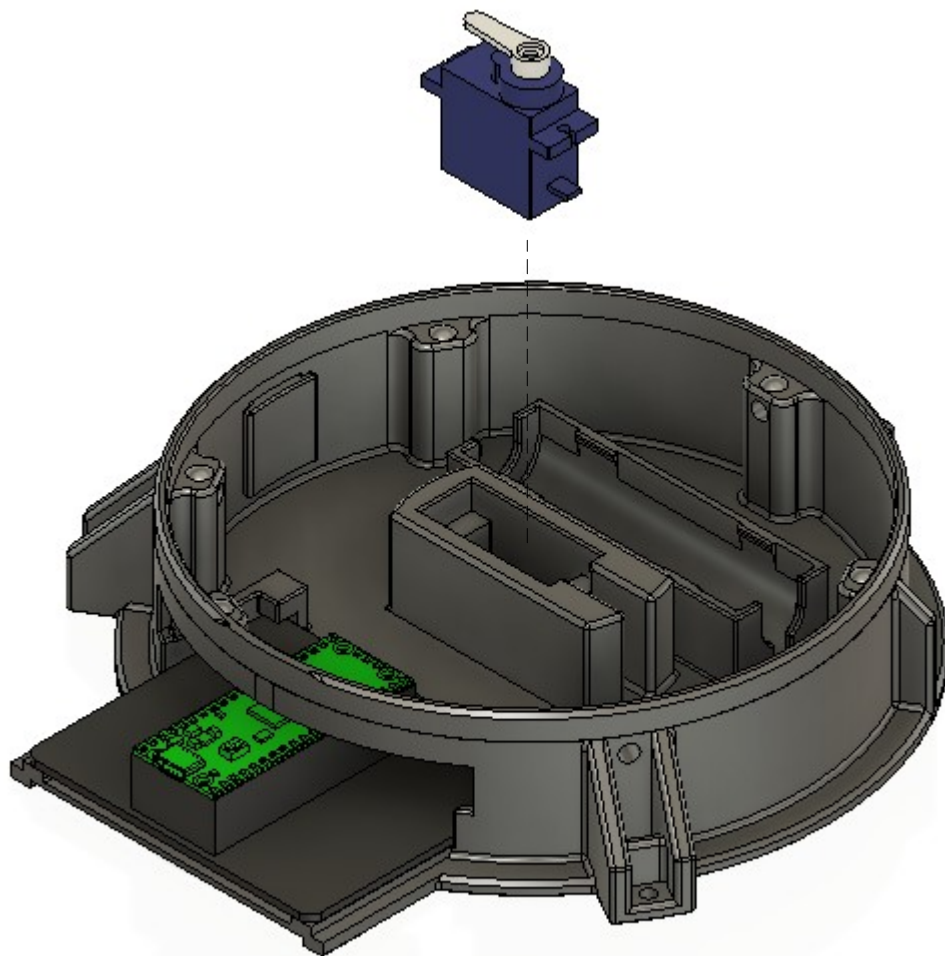
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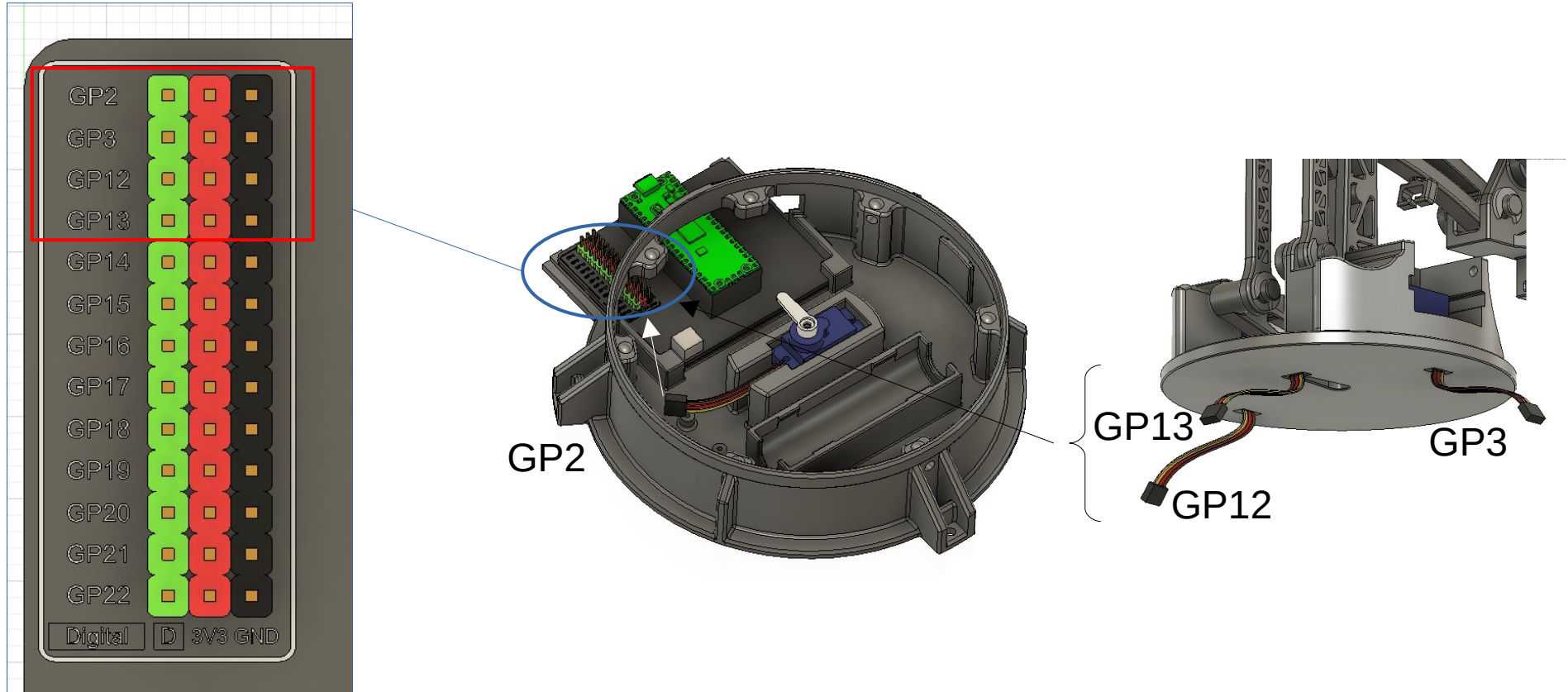


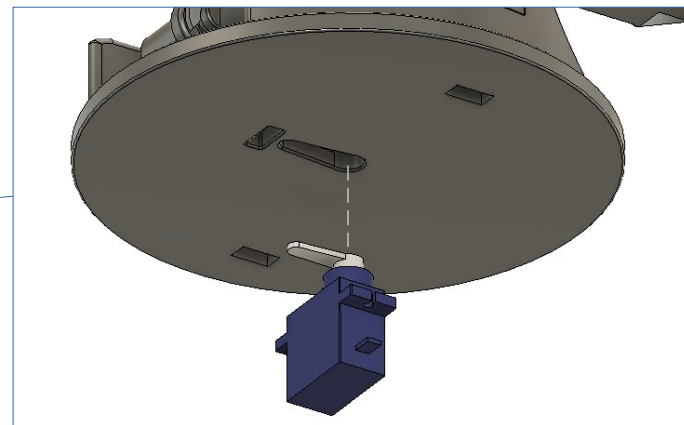
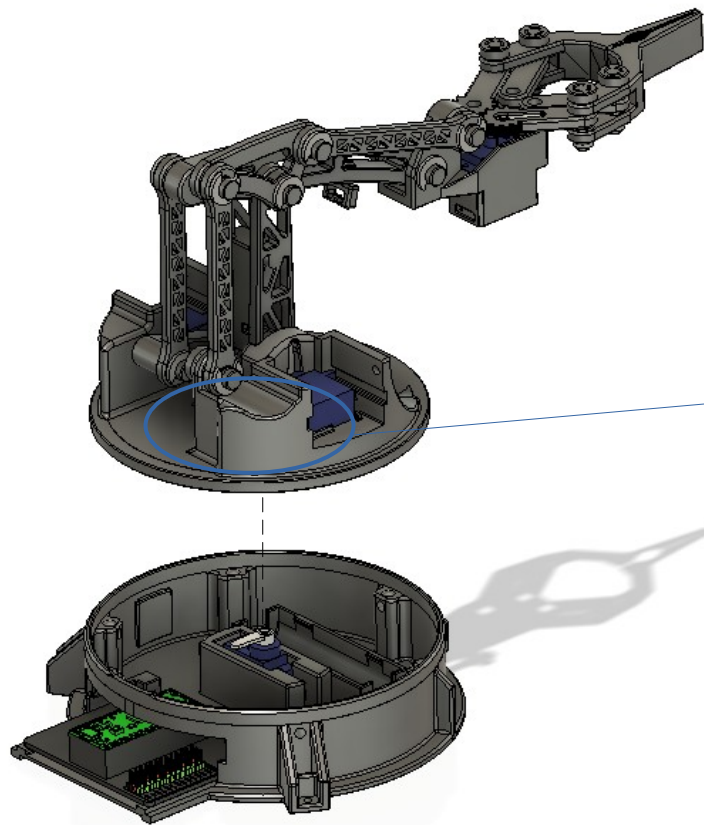
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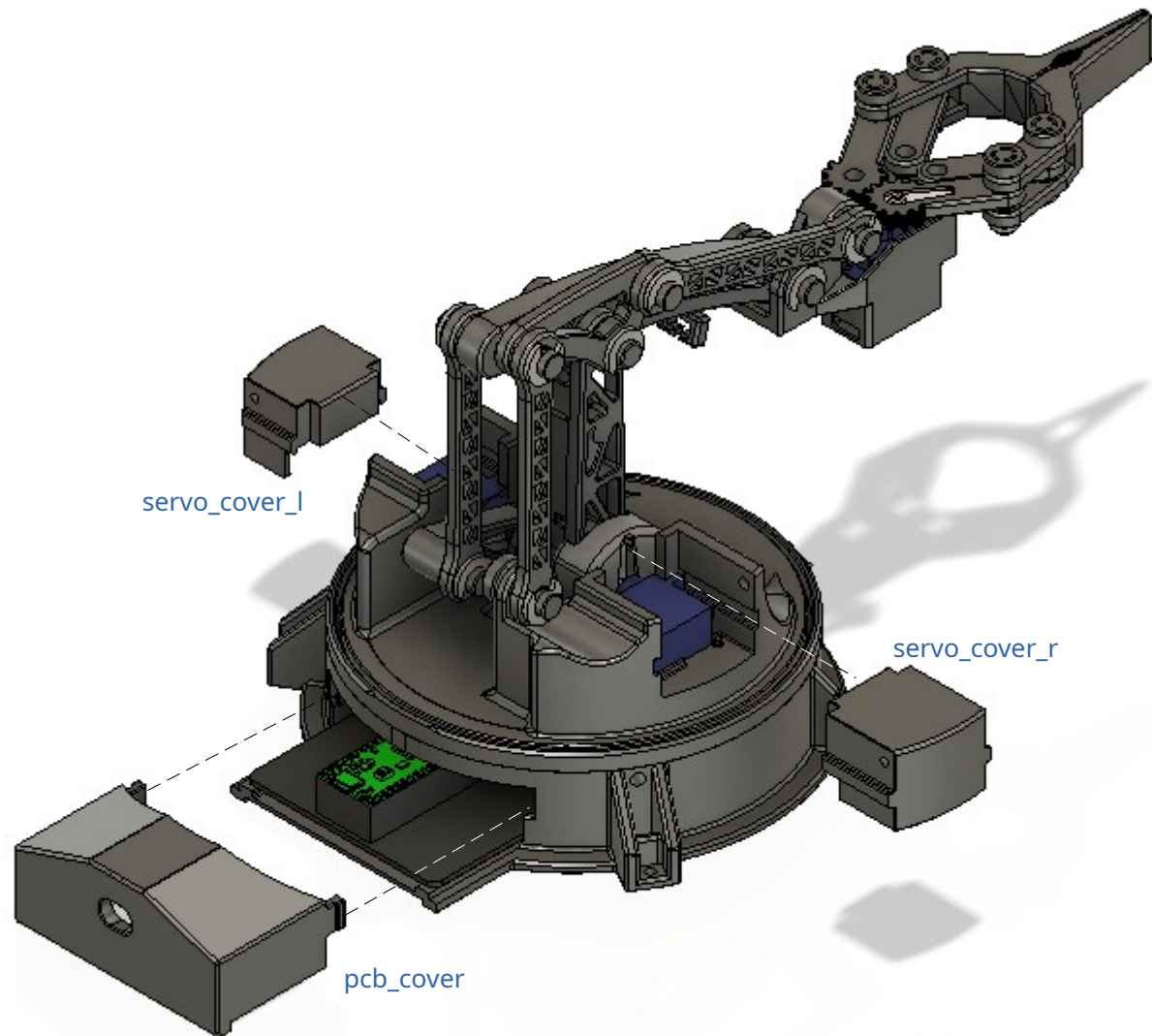
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Insert the connectors of the four servos into their respective GPs

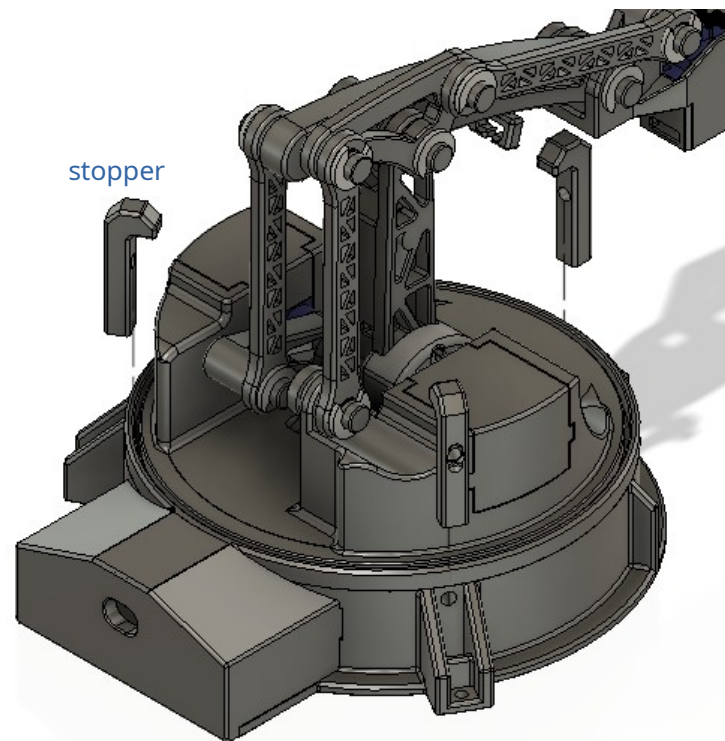




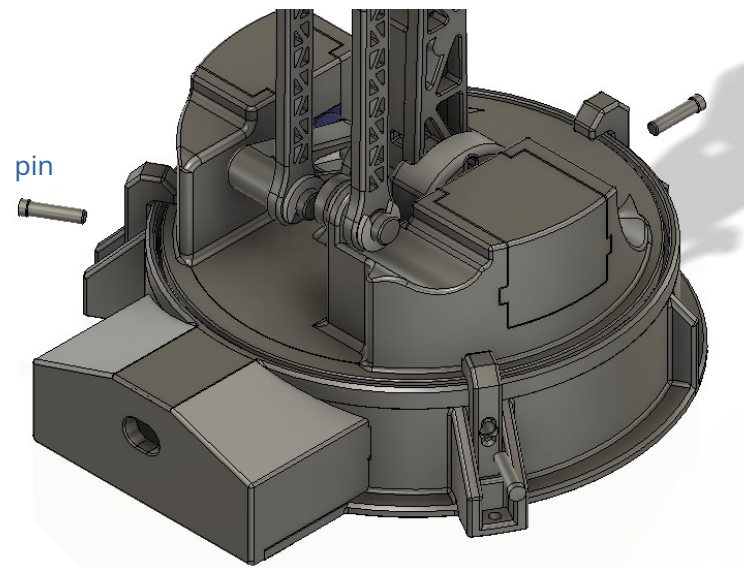
Bottom View



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34



This completes the process!

