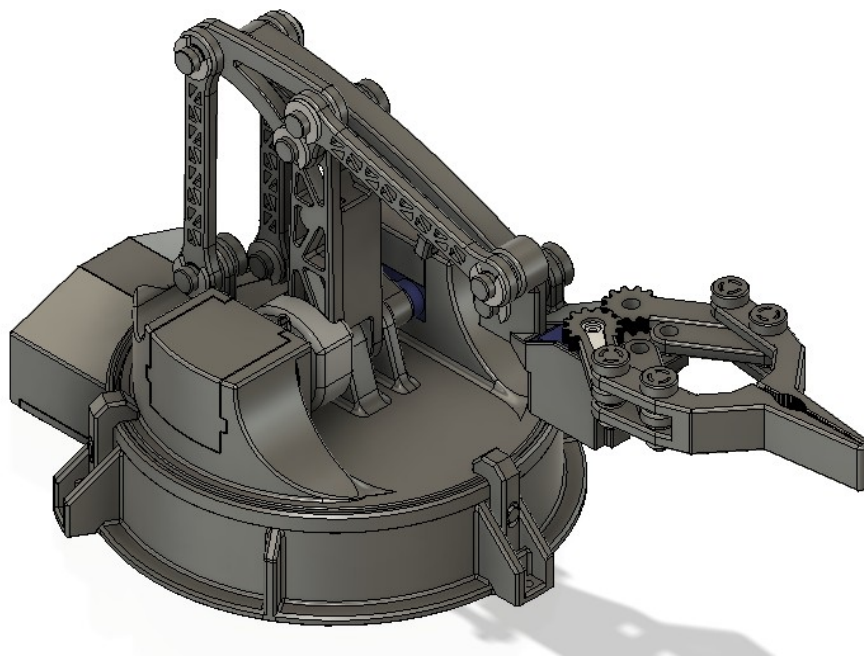


How to assemble 3DP Robot Arm V1

Document version 1.1



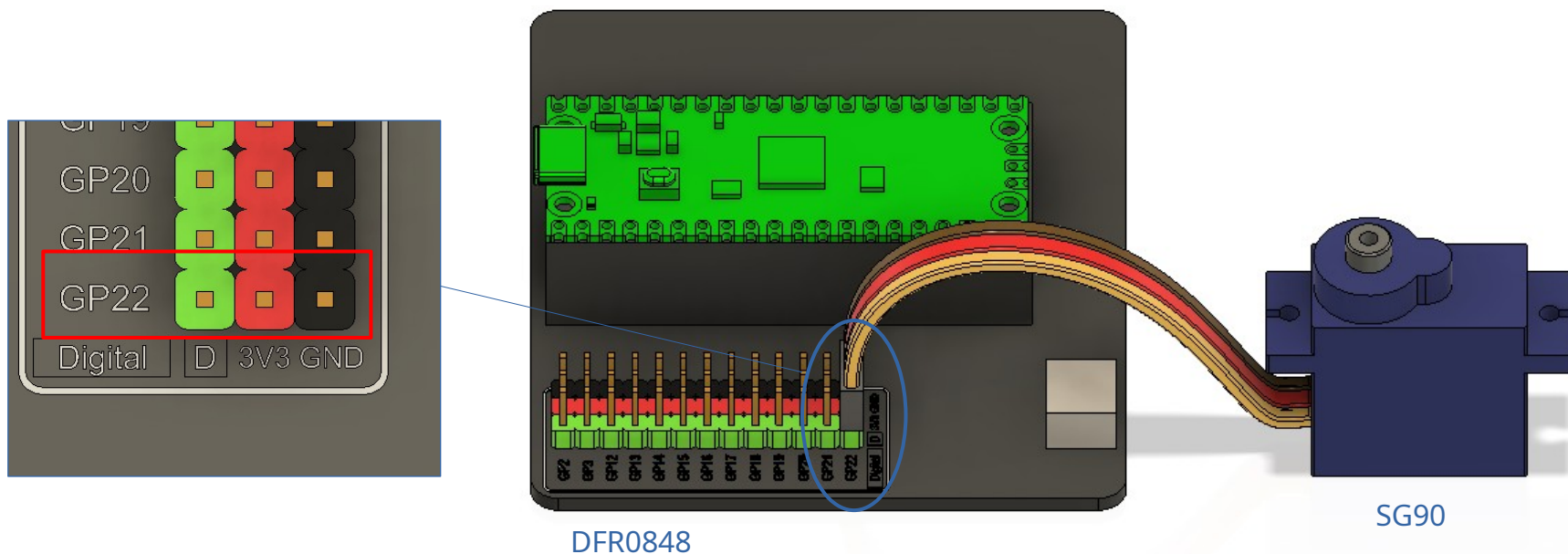
1

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.

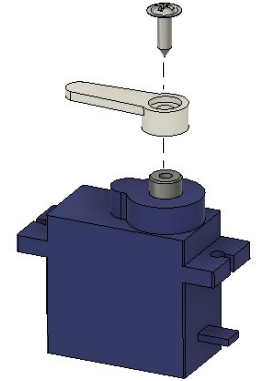
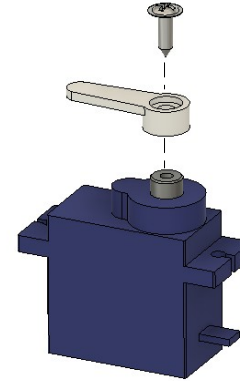
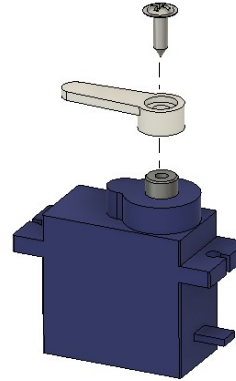
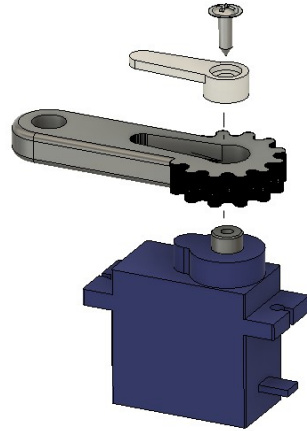
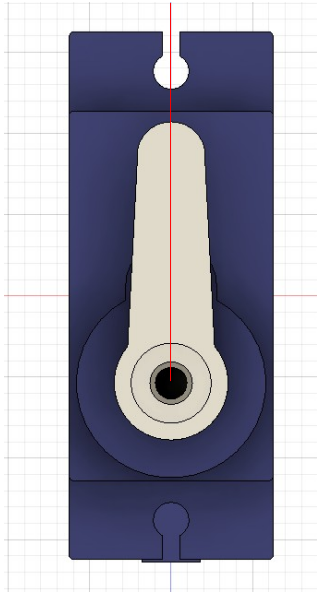
Be careful of the direction of insertion. The correct orientation is that the brown wire of the servo sticks to the black pin.



2

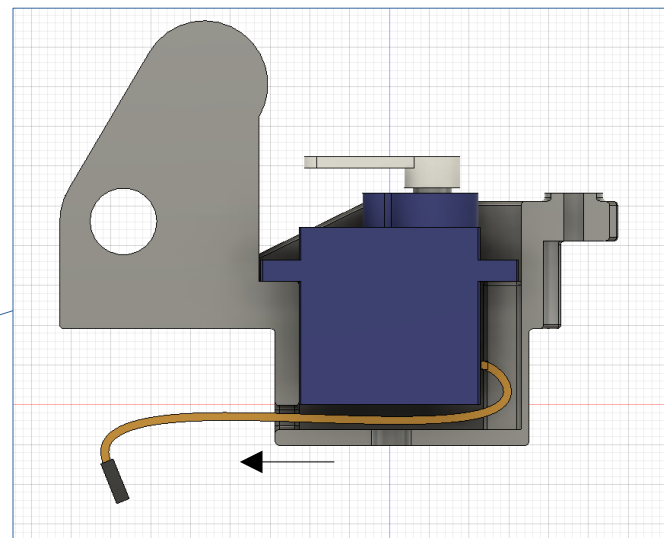
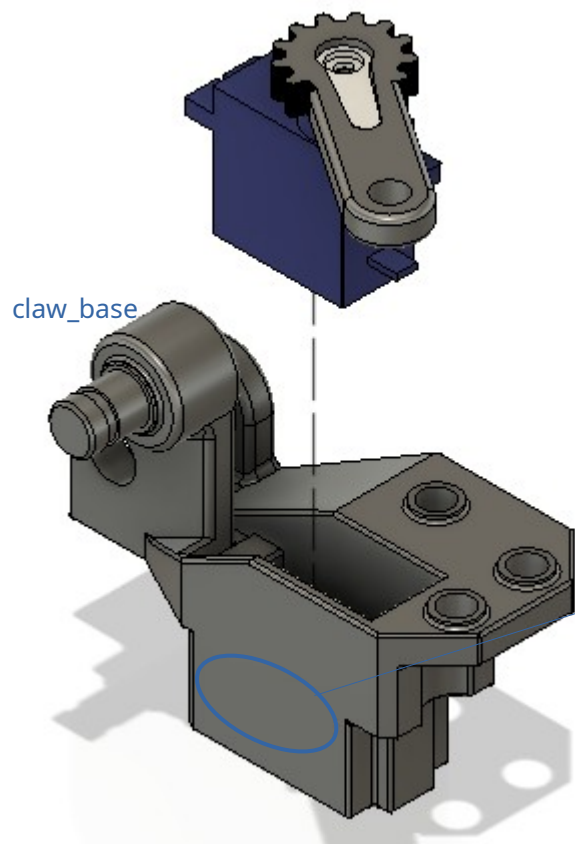
Attach horns to 4 servo motors

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`.



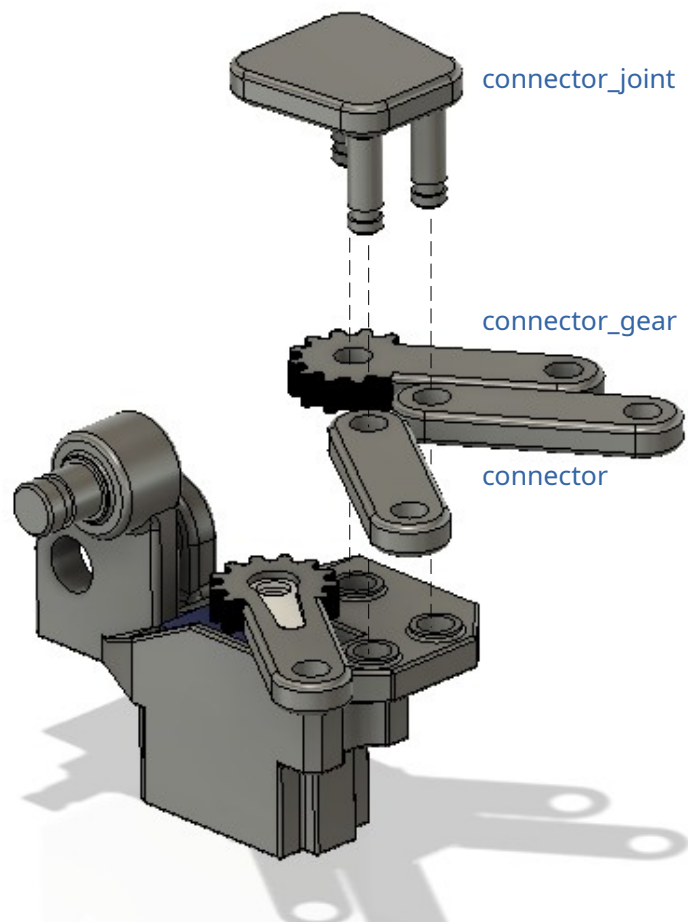
connector_servo

3

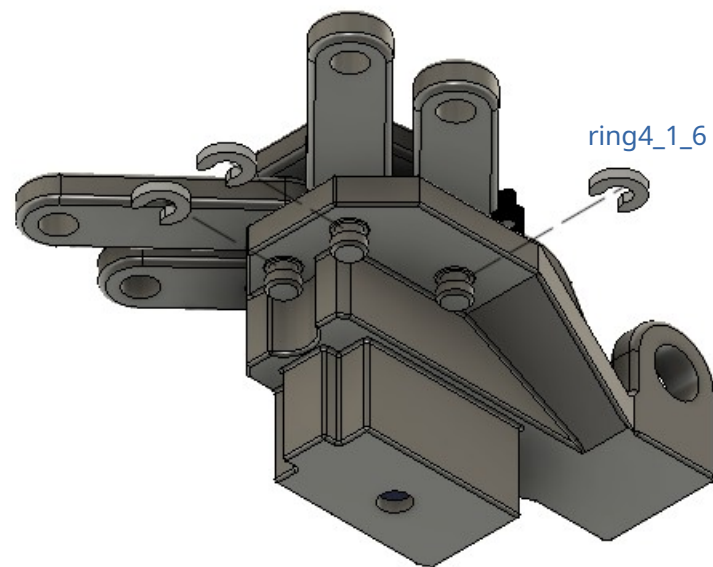


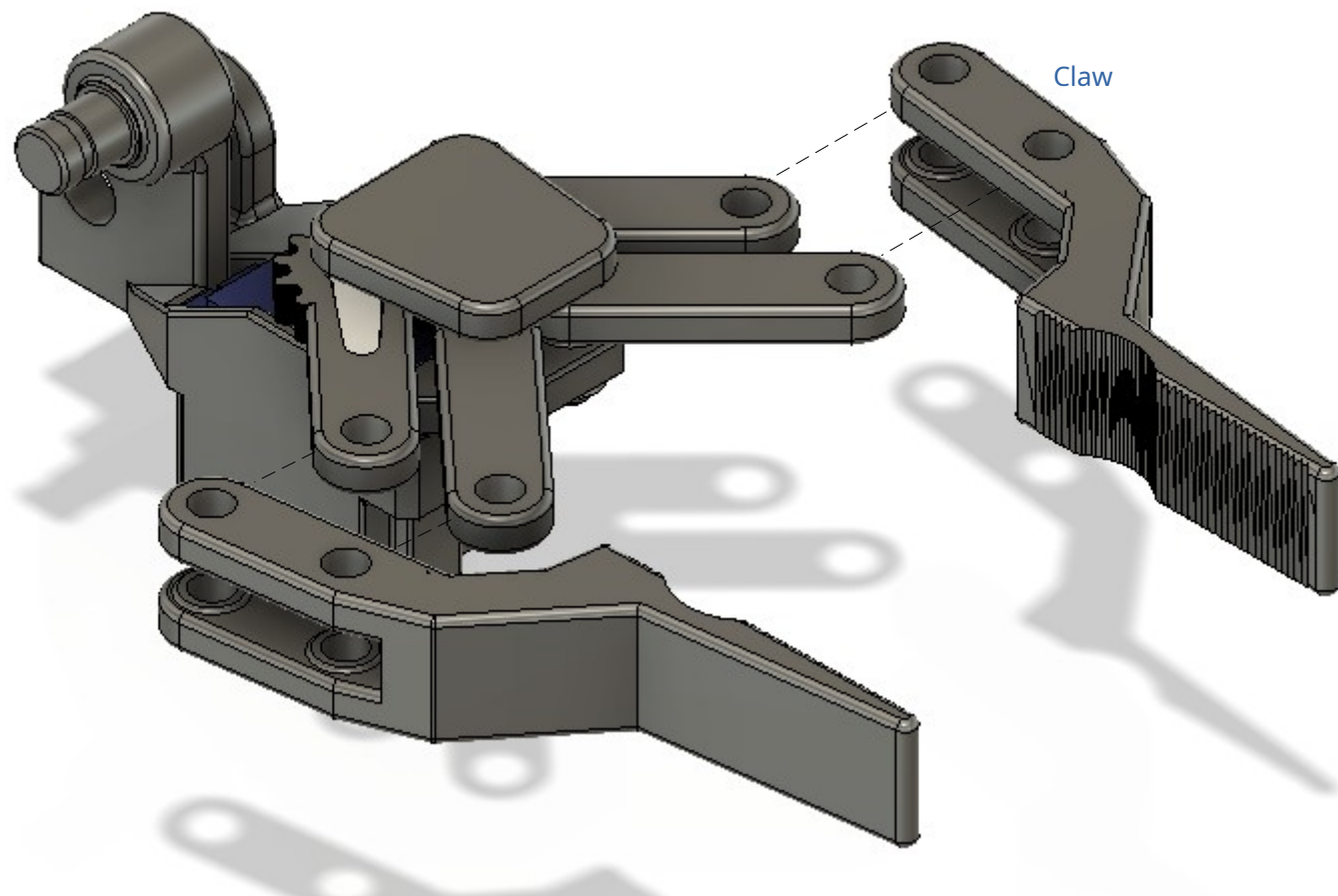
Cross section

4

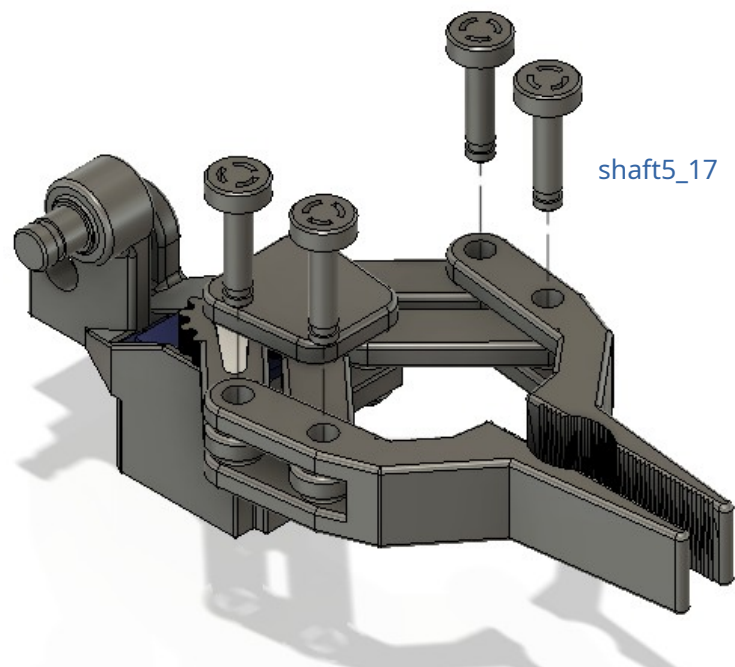


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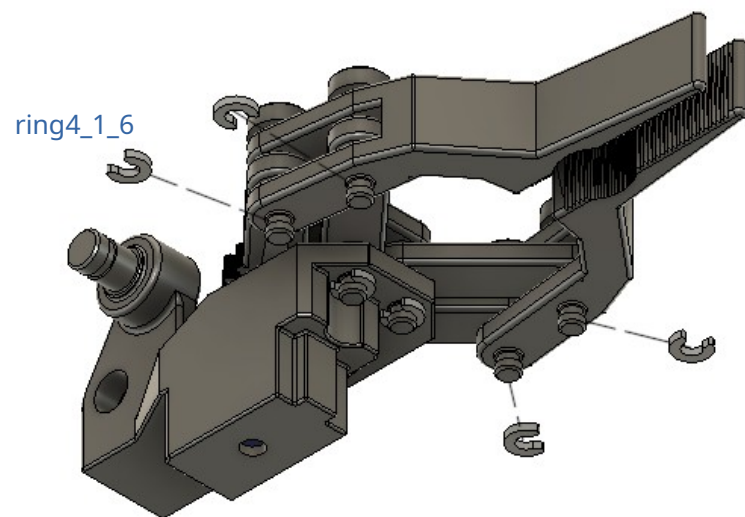


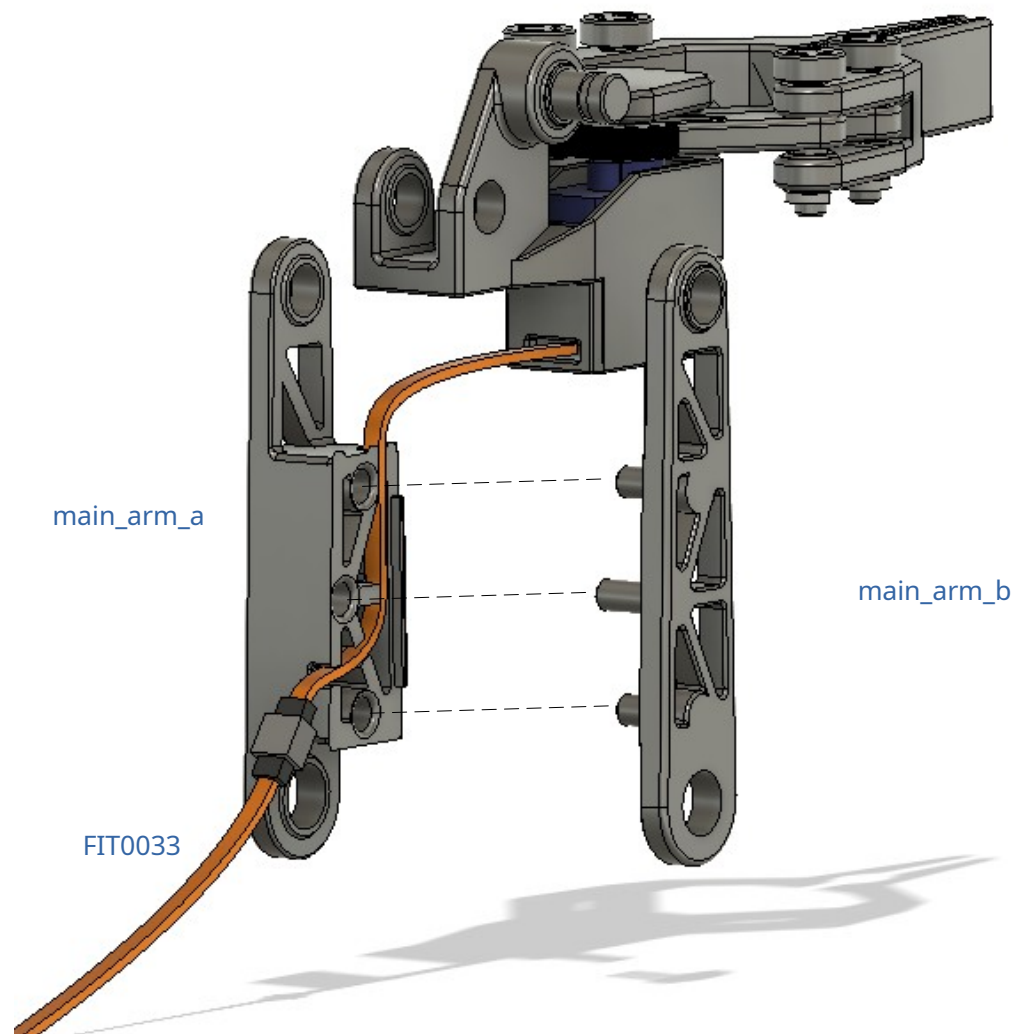


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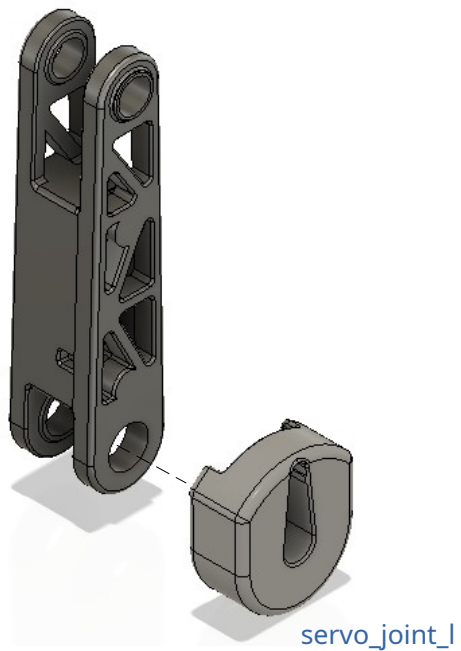


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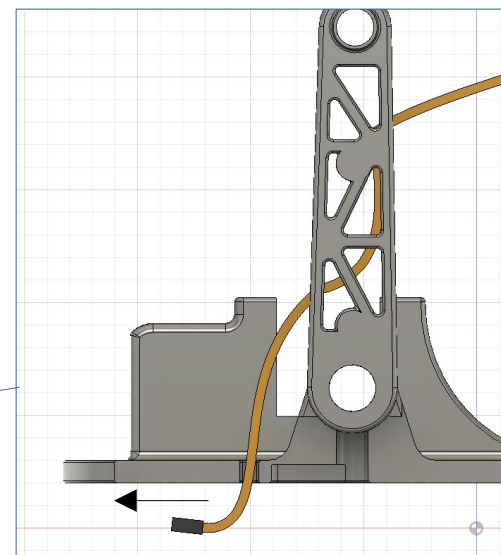
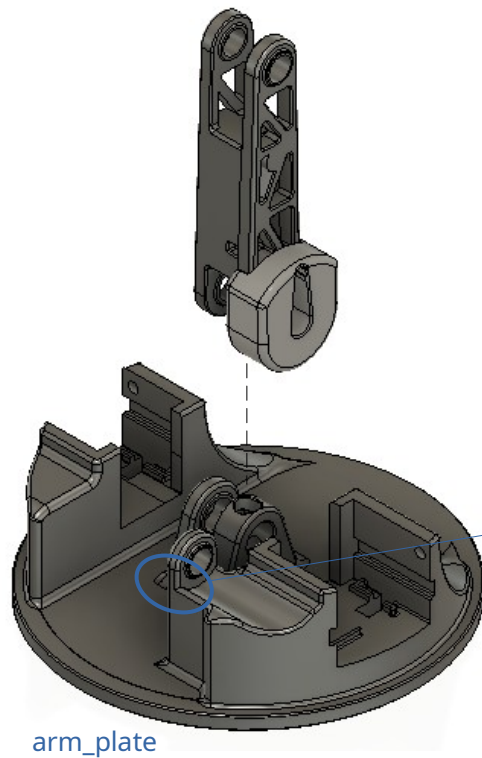




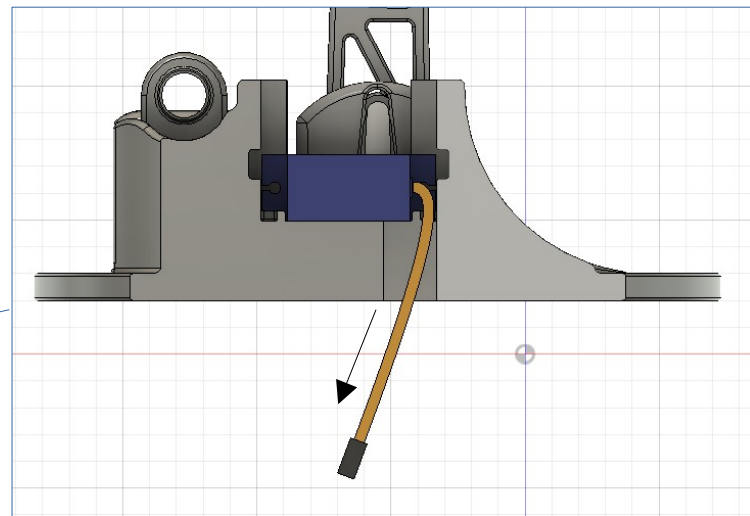
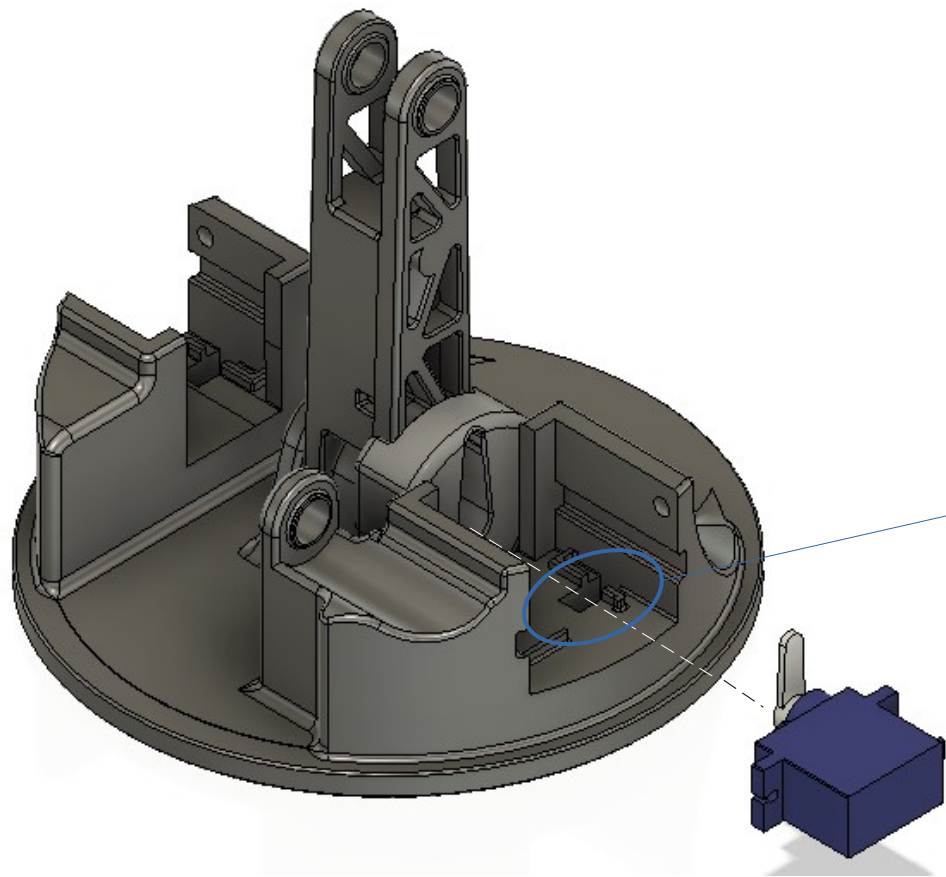
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11

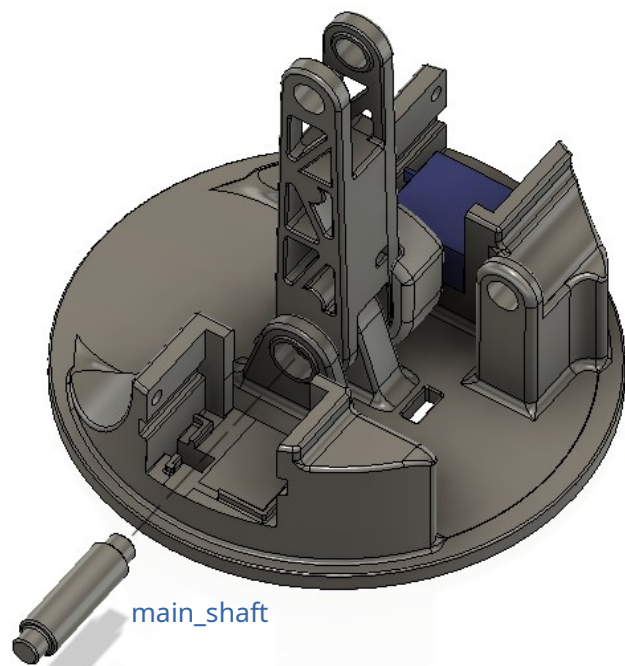


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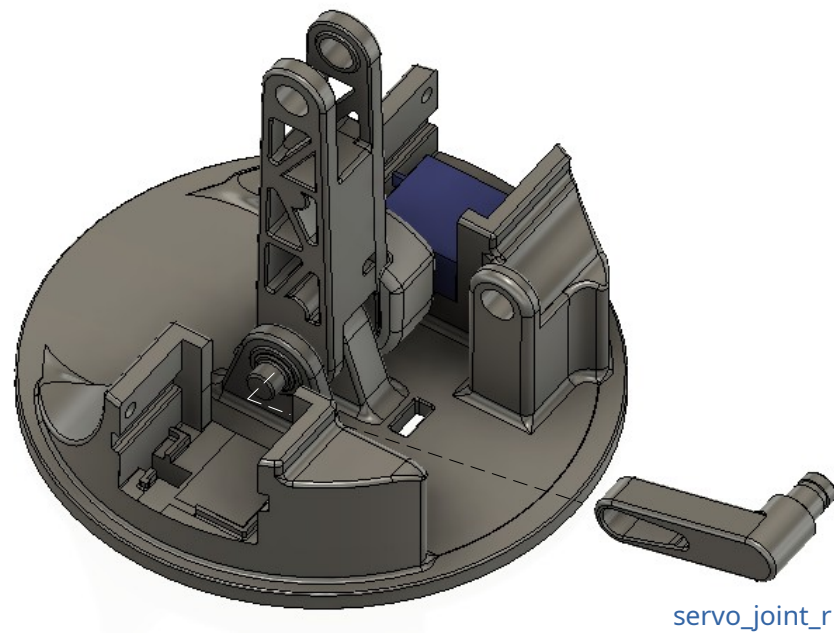


Cross section

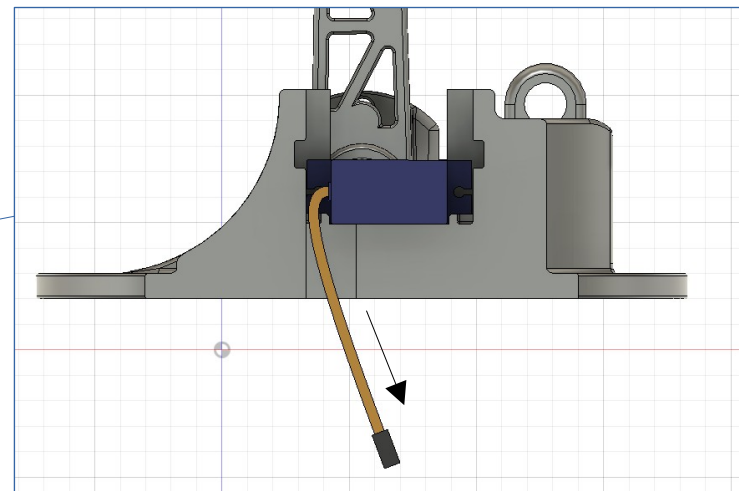
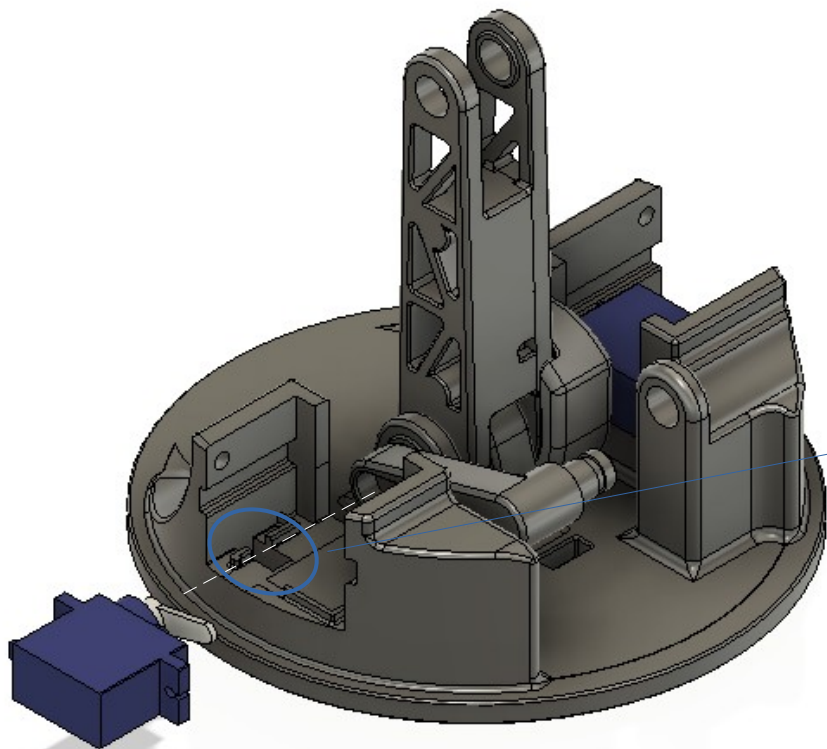
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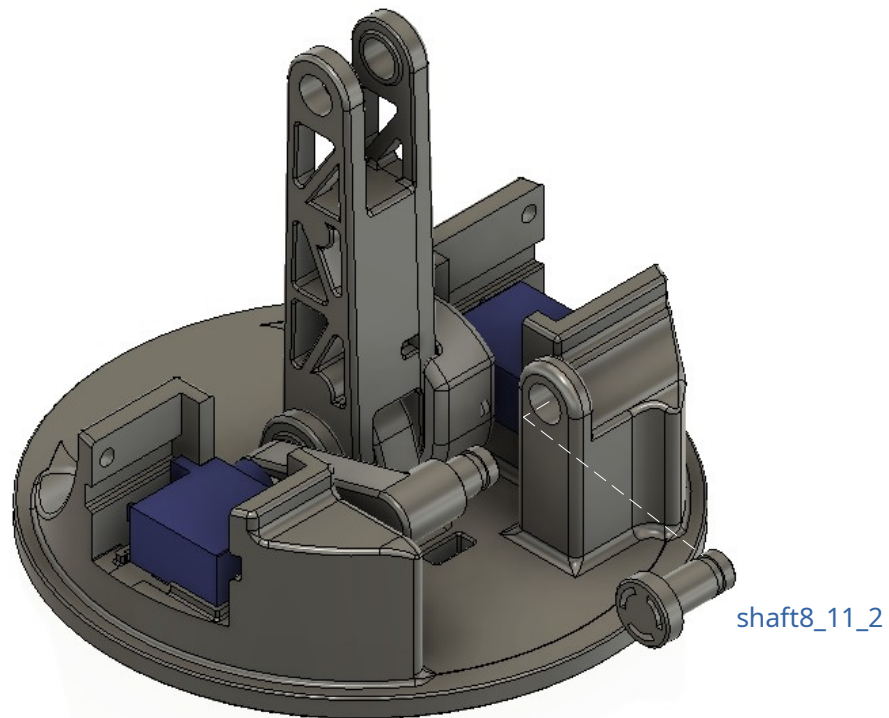


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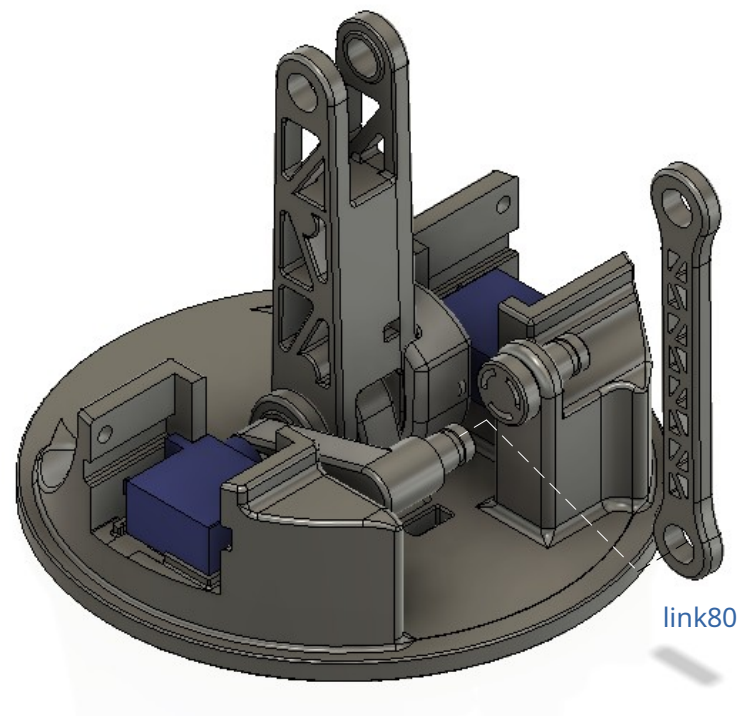


Cross section

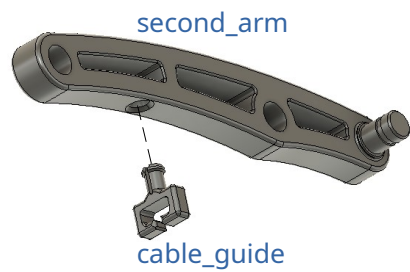
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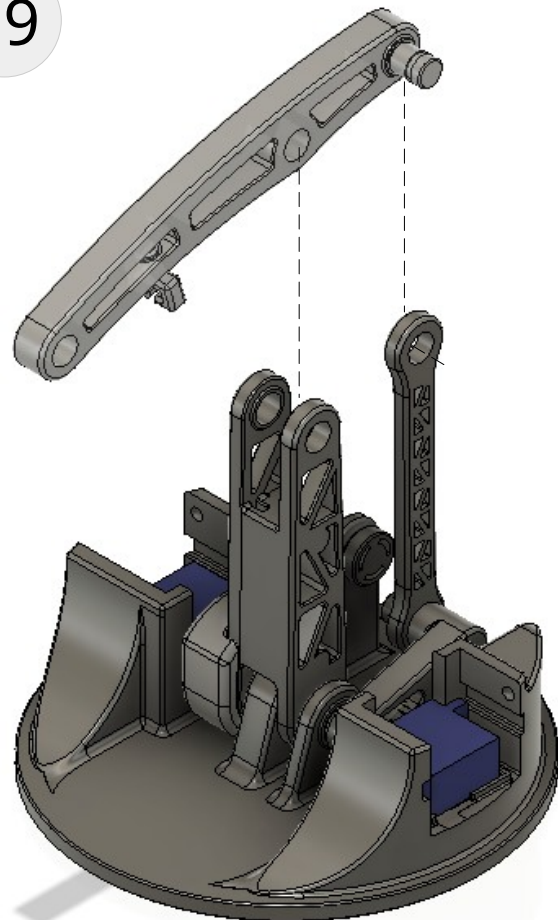
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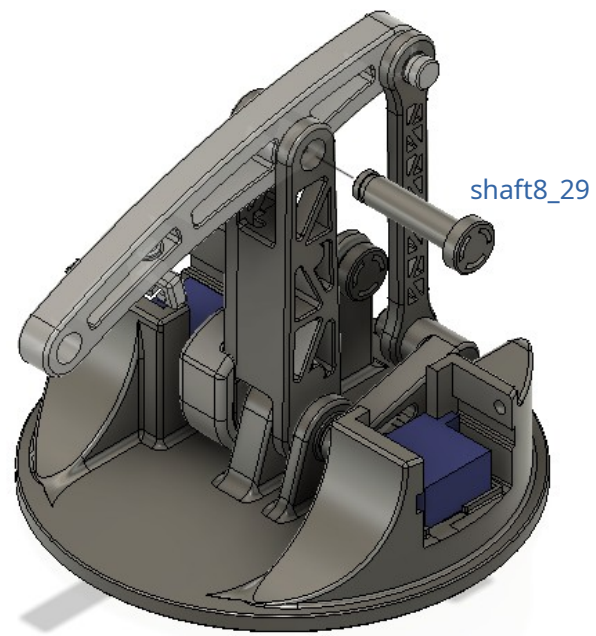
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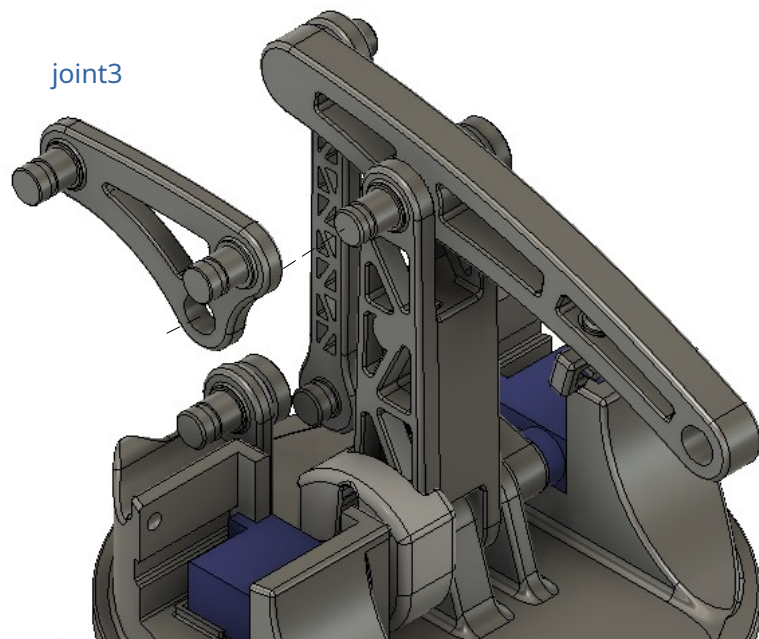
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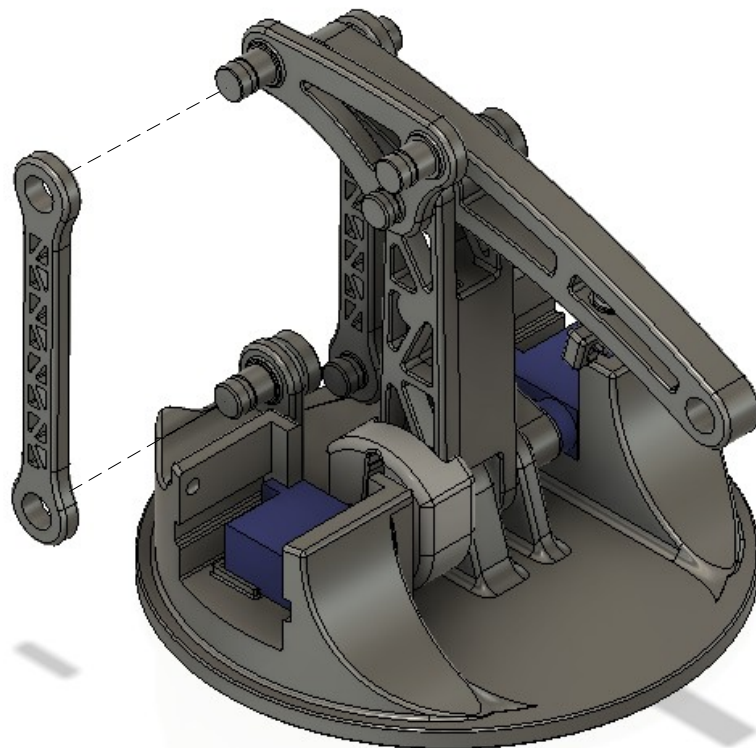
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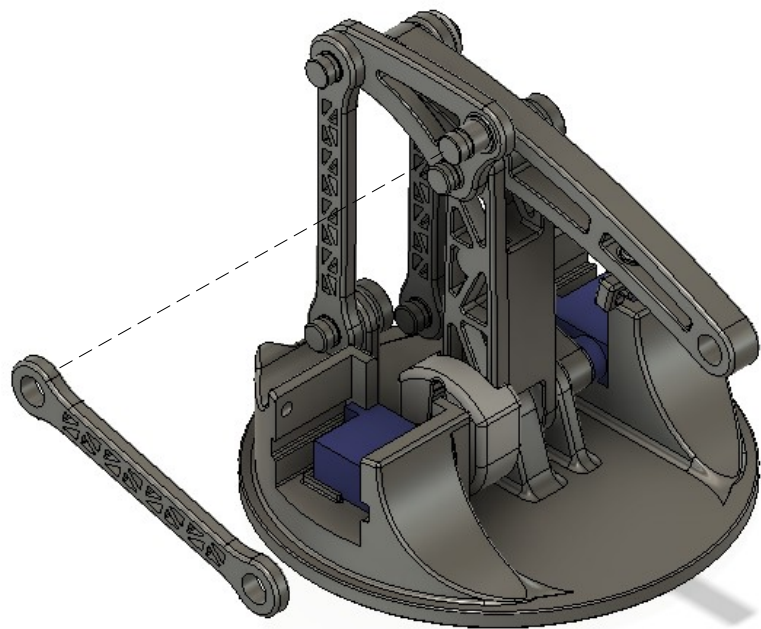
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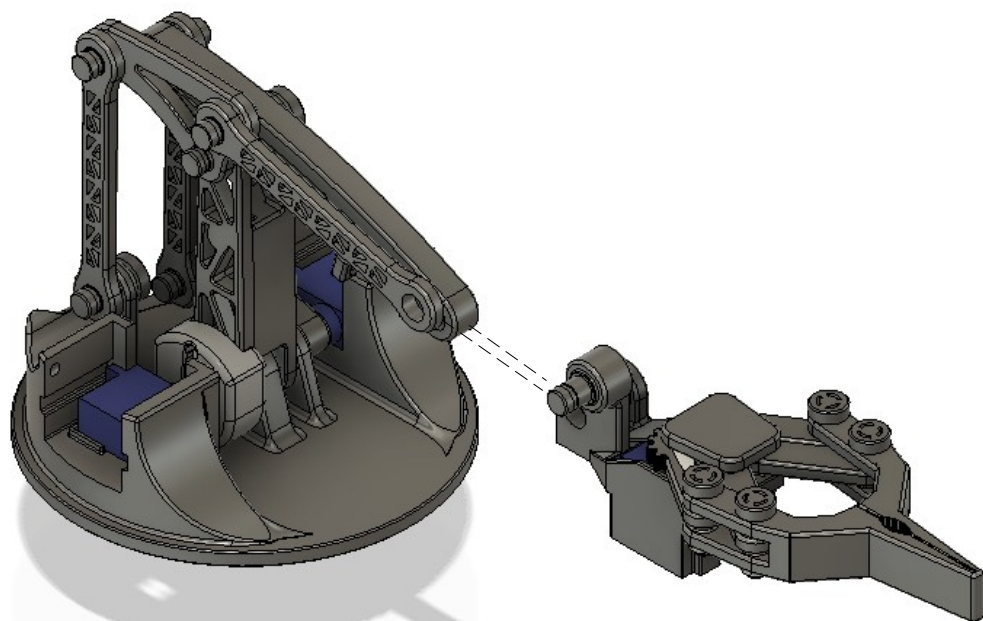
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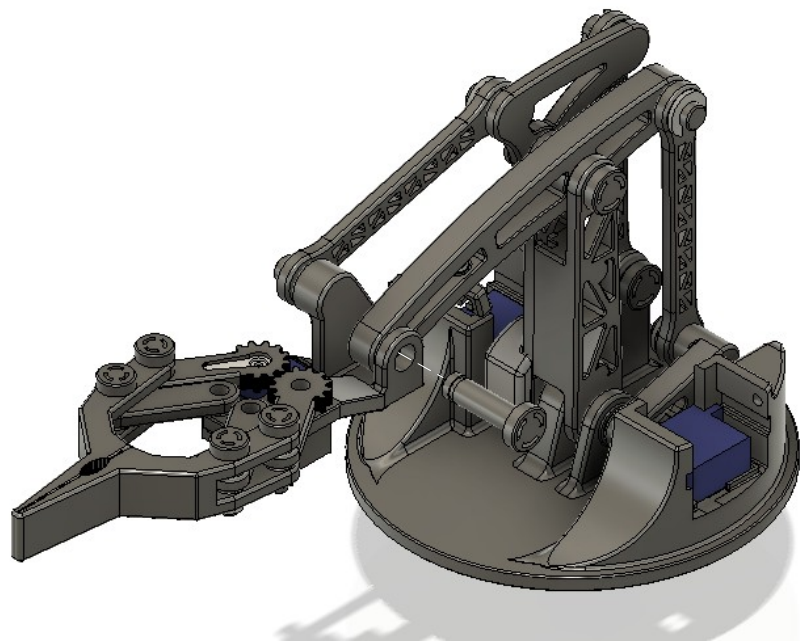
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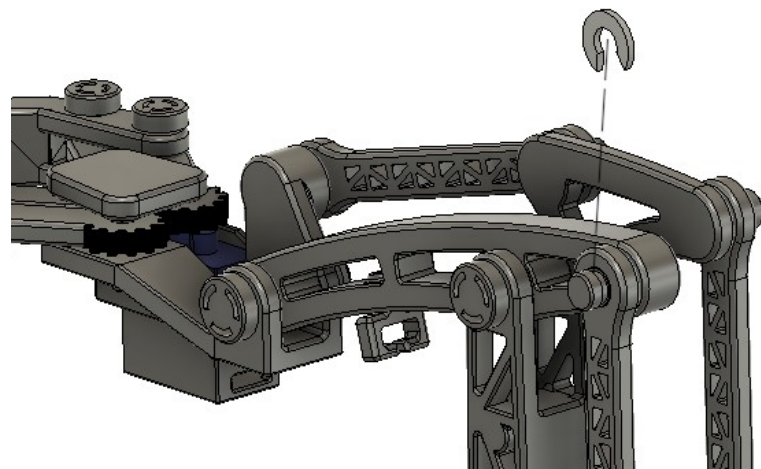
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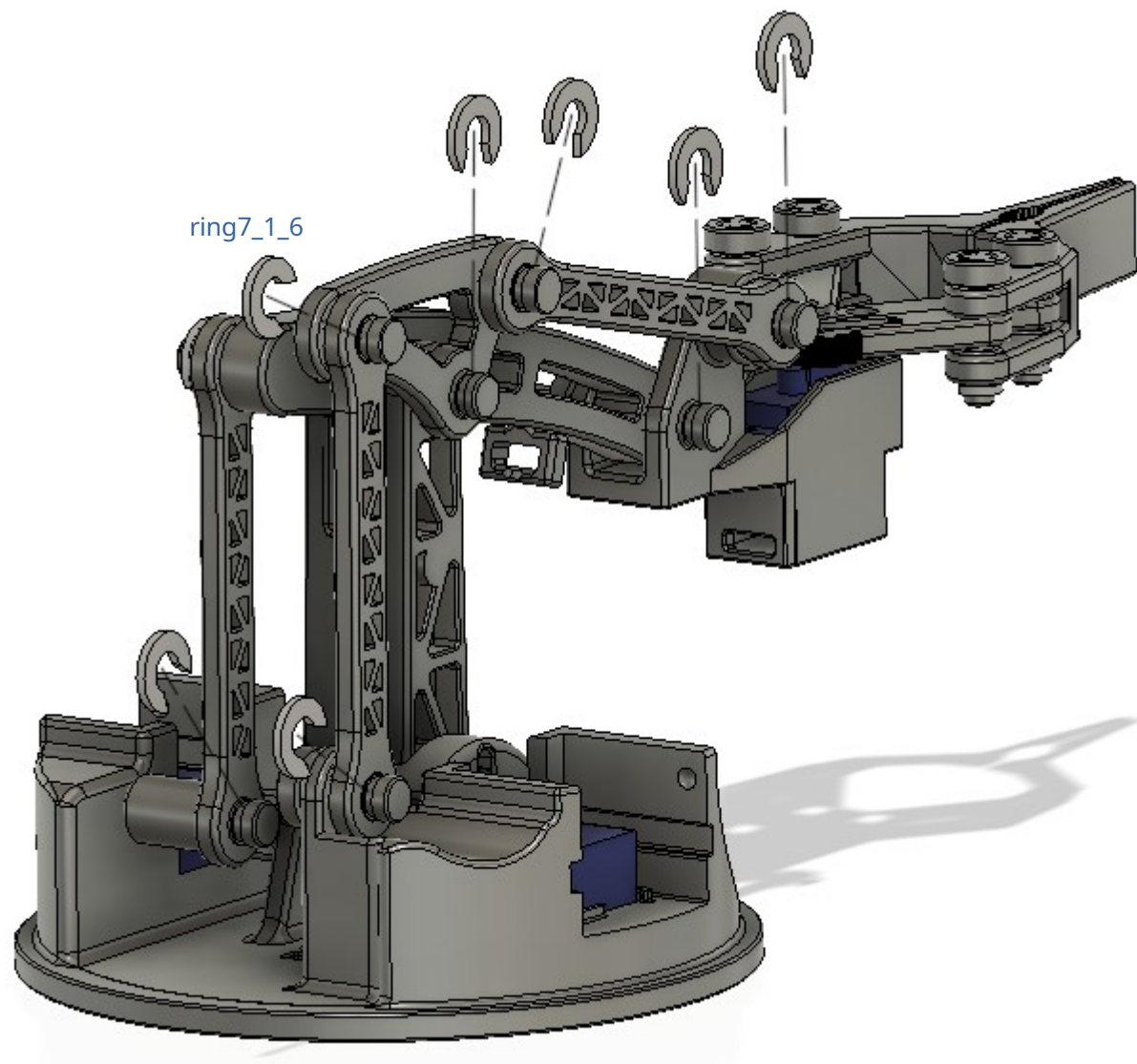


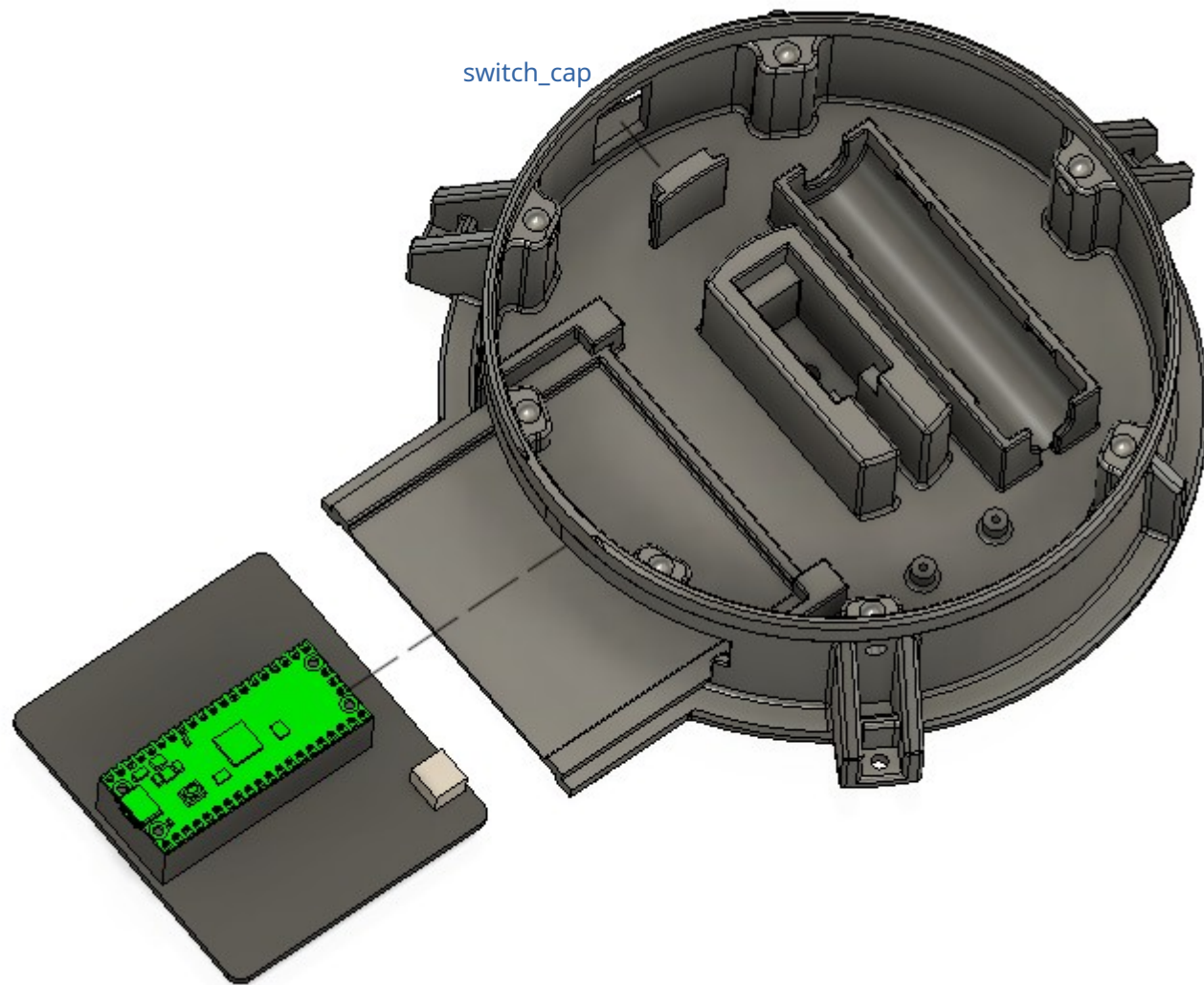
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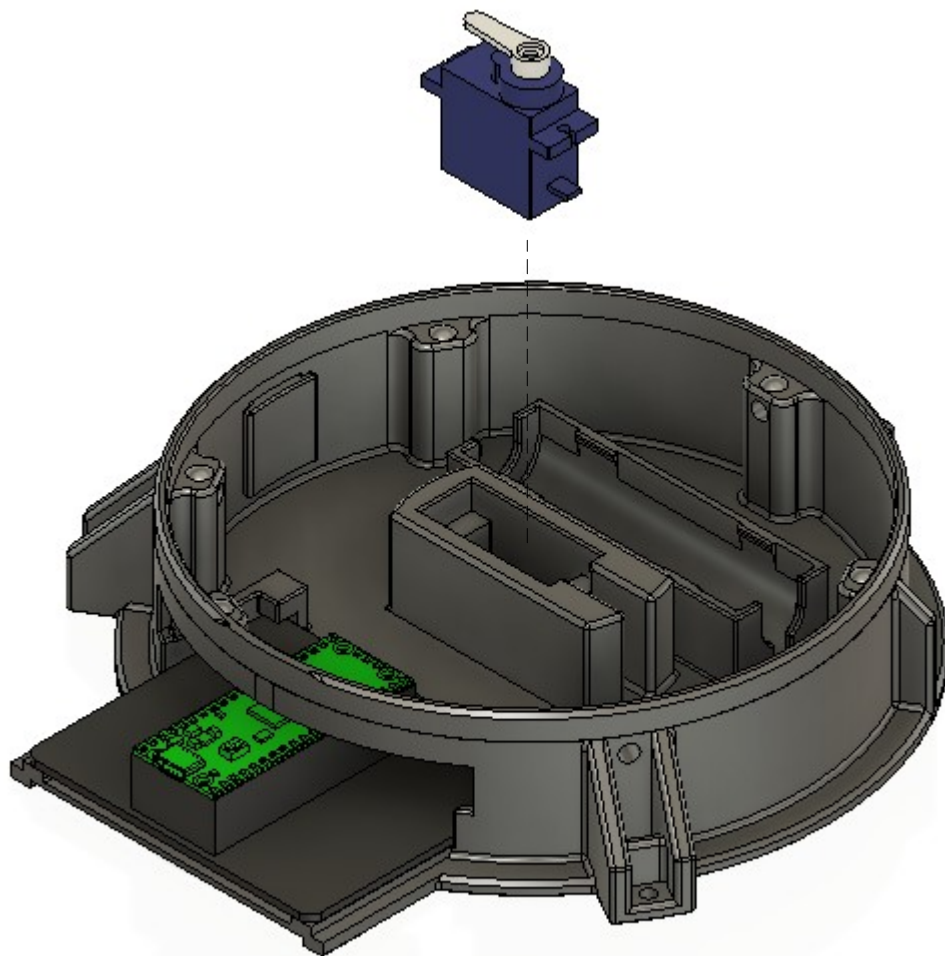
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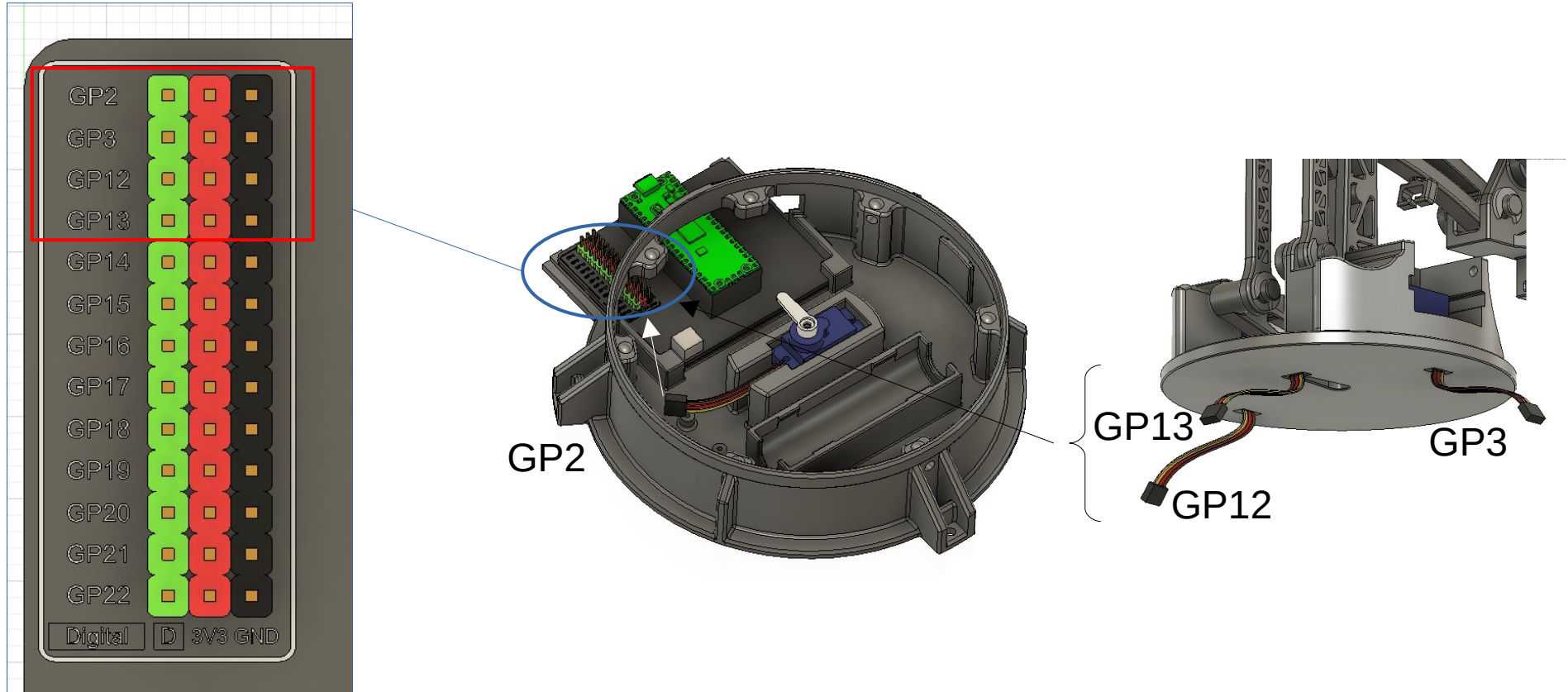


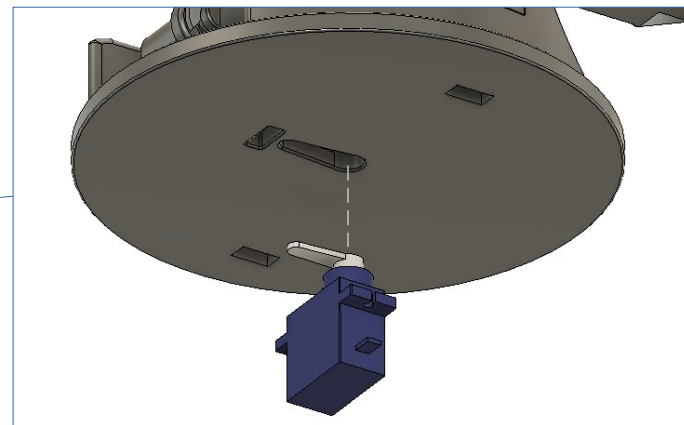
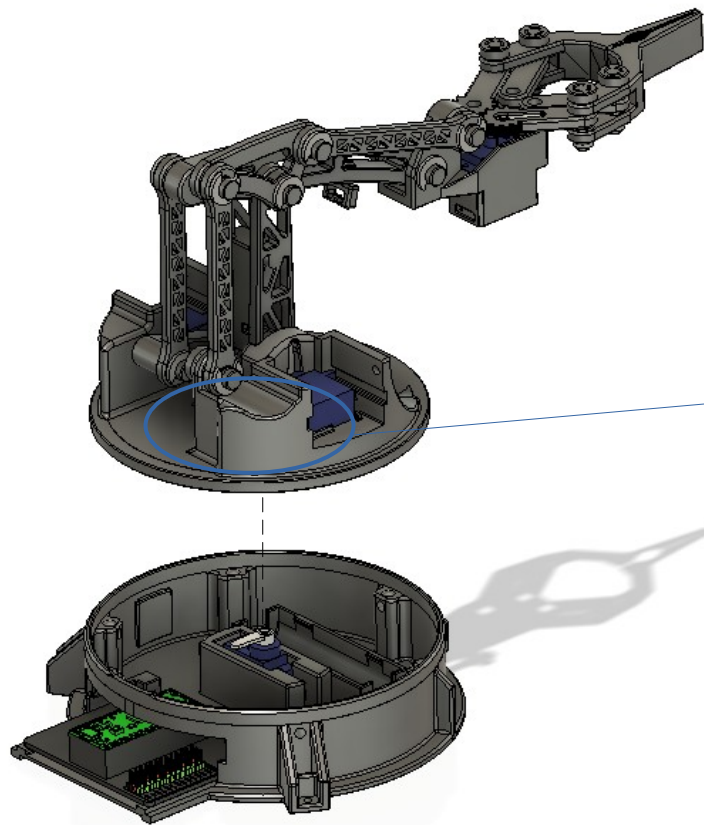
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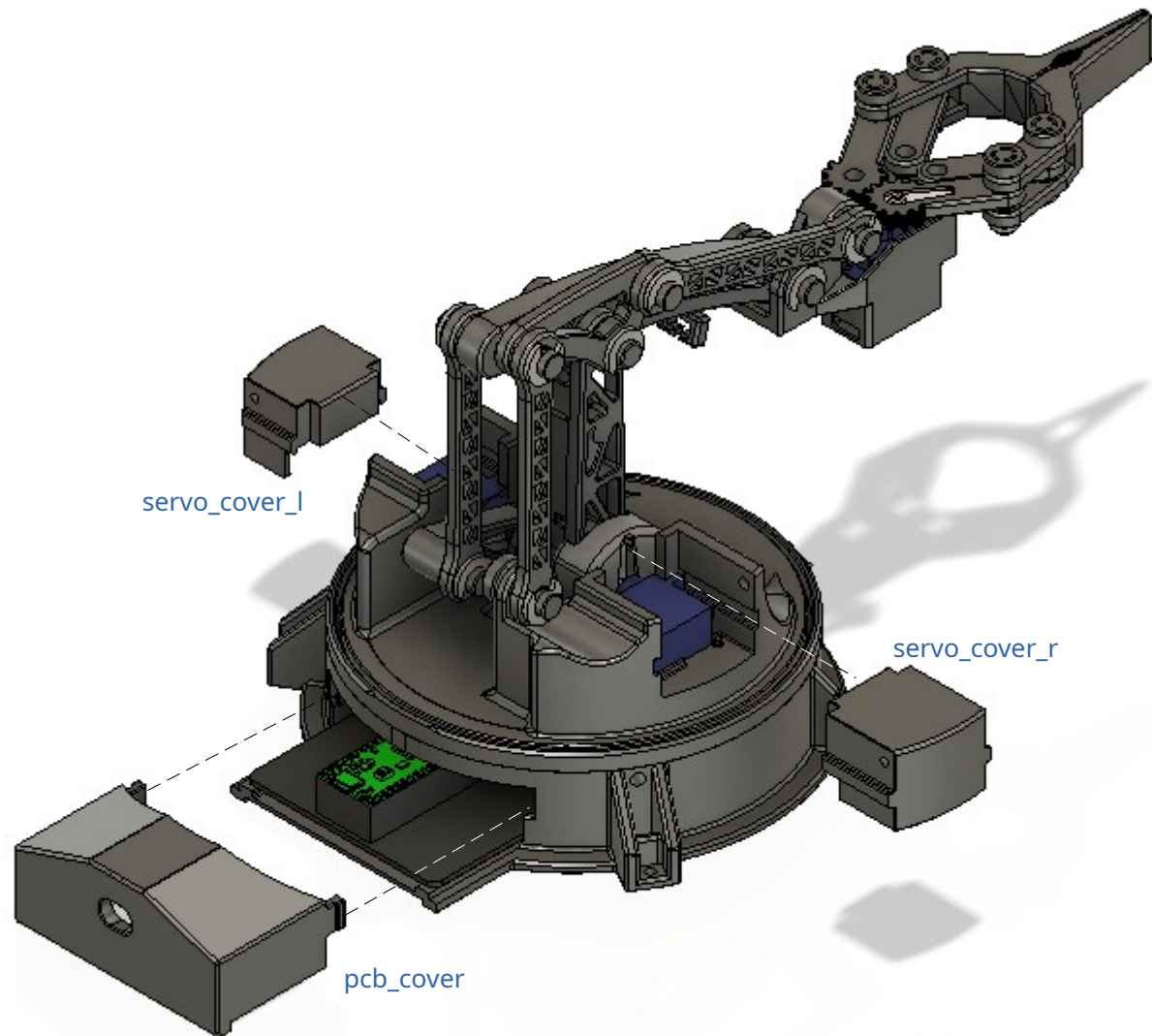
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Insert the connectors of the four servos into their respective GPs

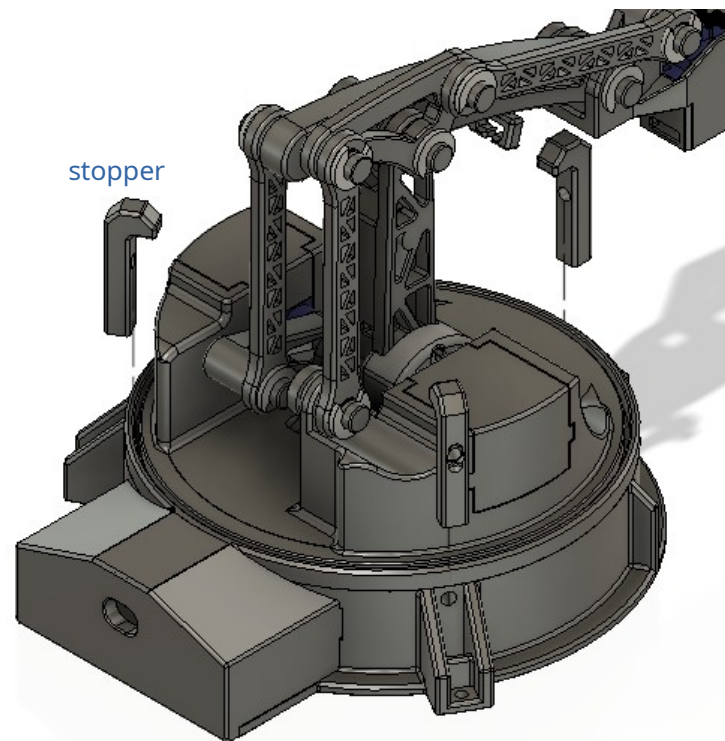




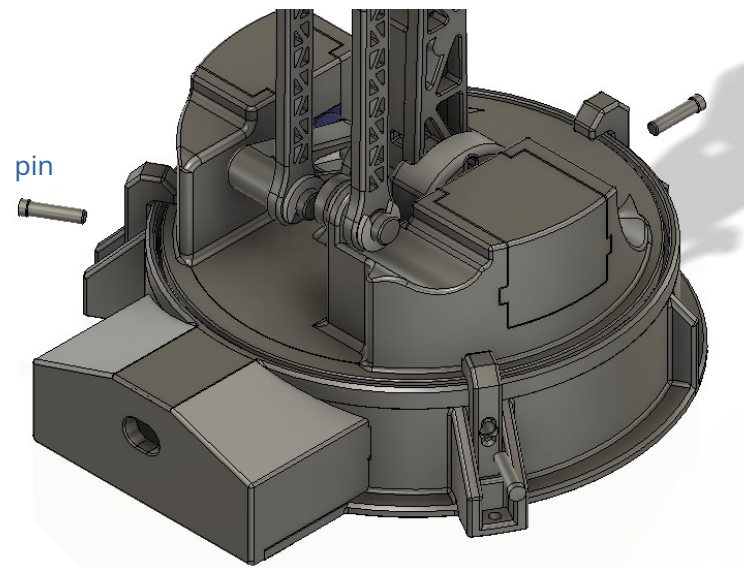
Bottom View



33



34



This completes the process!

