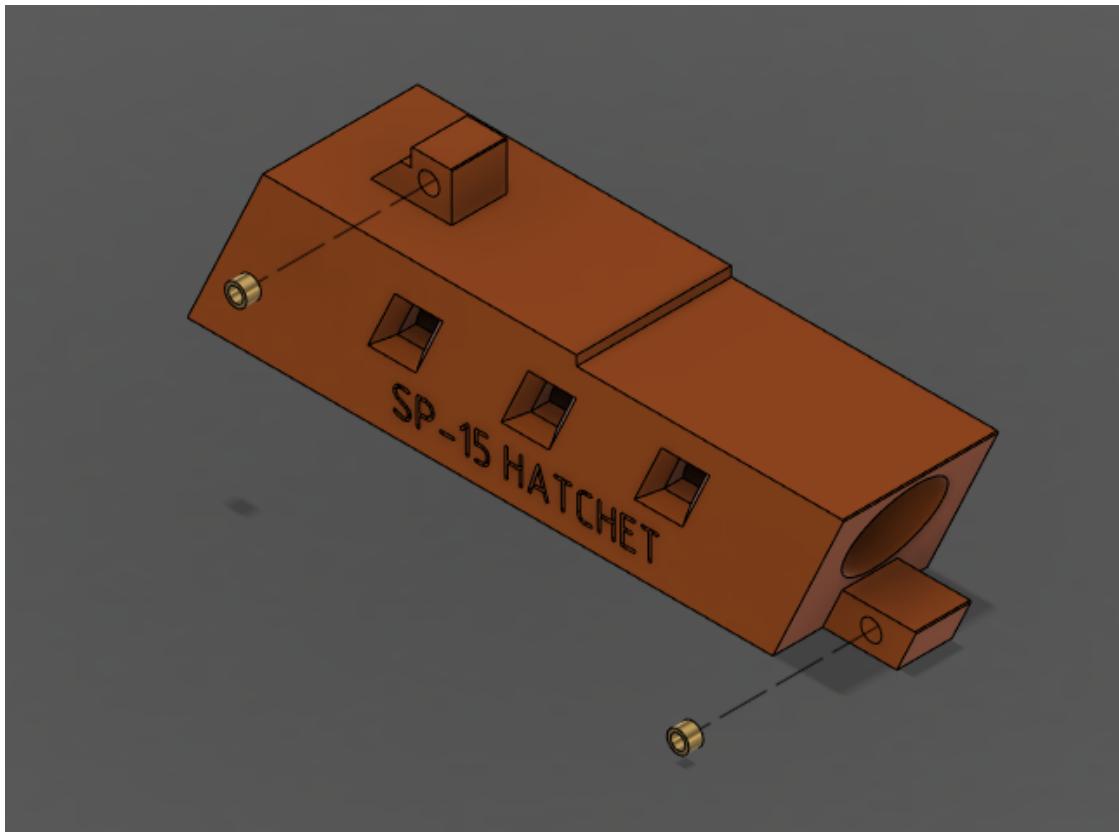


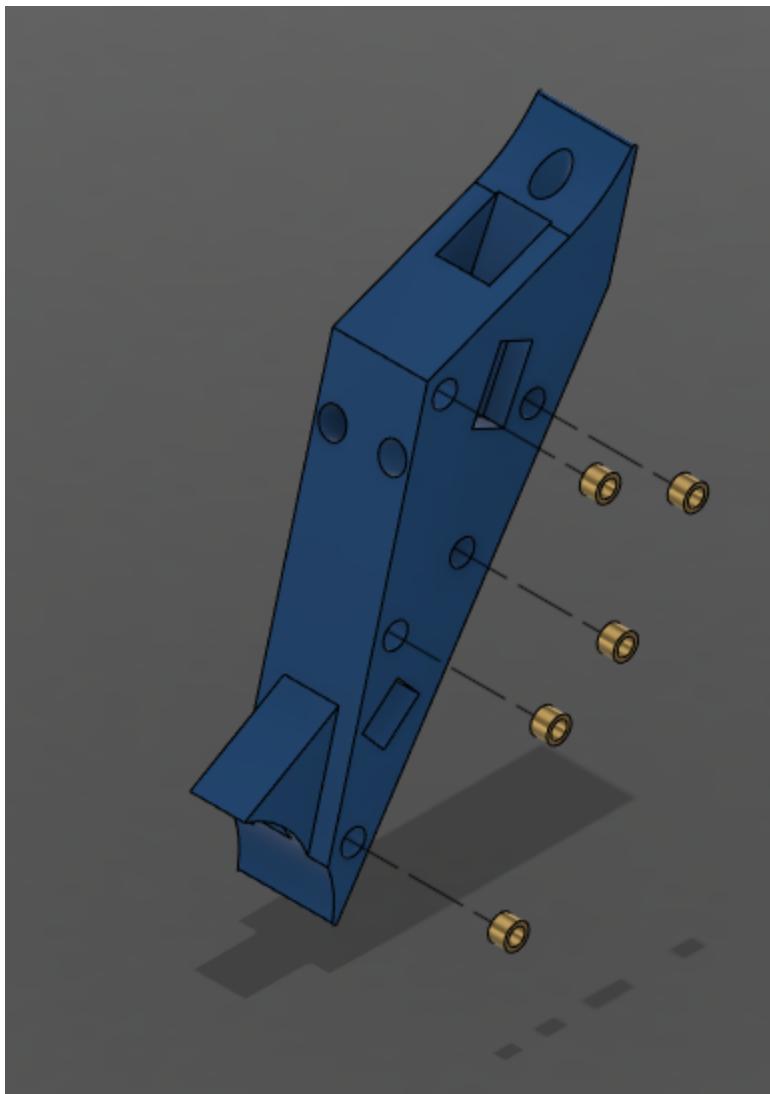
SP-15 Hatchet Assembly Guide

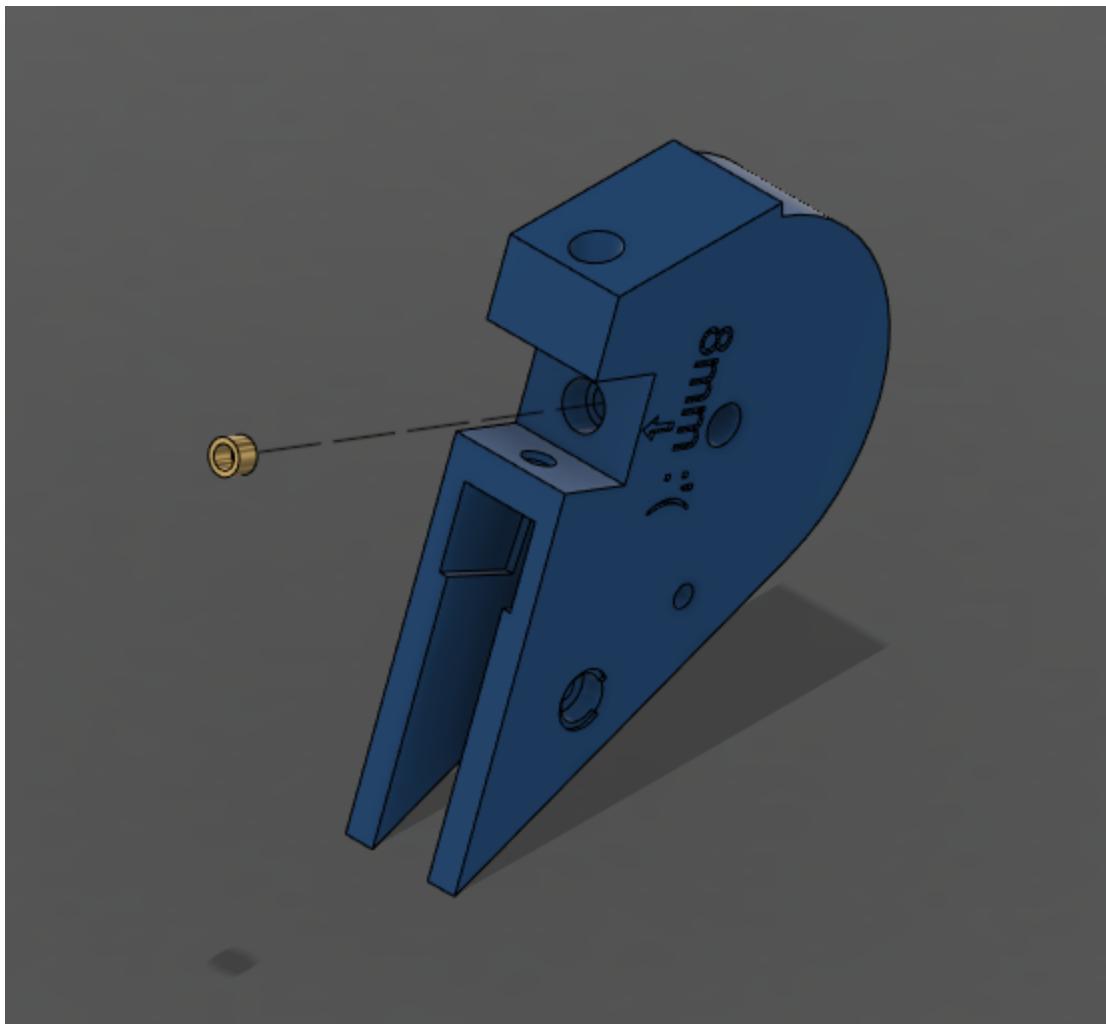
1) Add threaded inserts to parts shown below

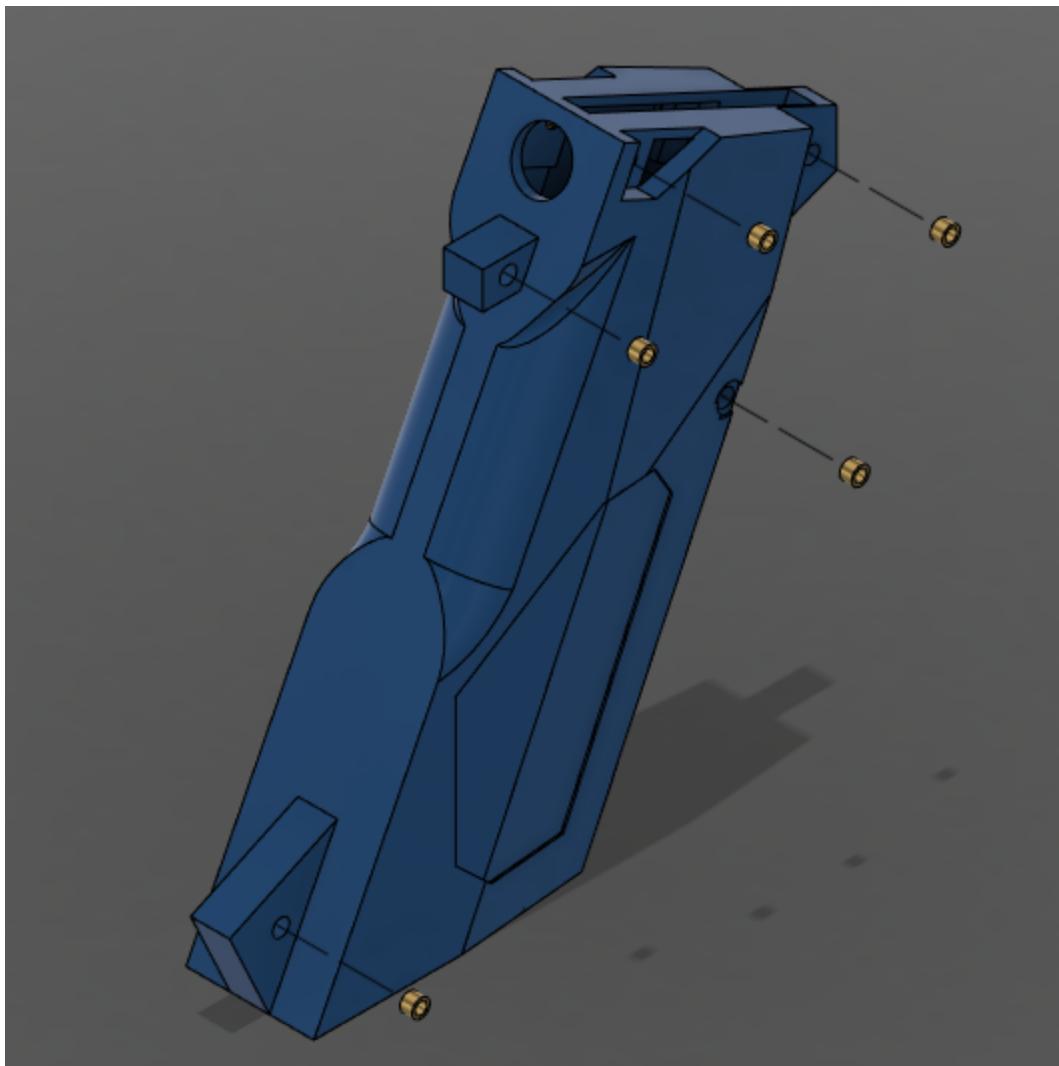


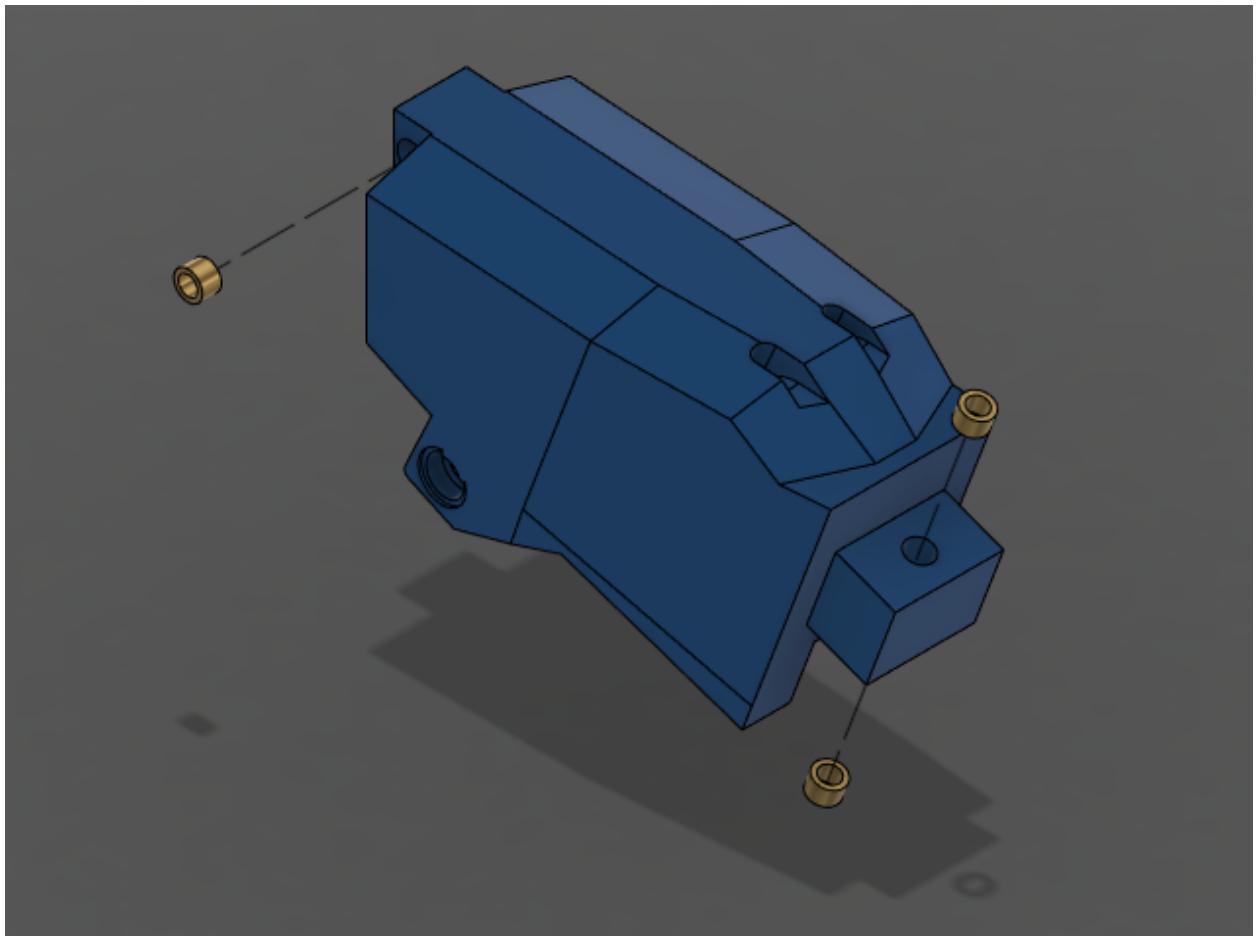


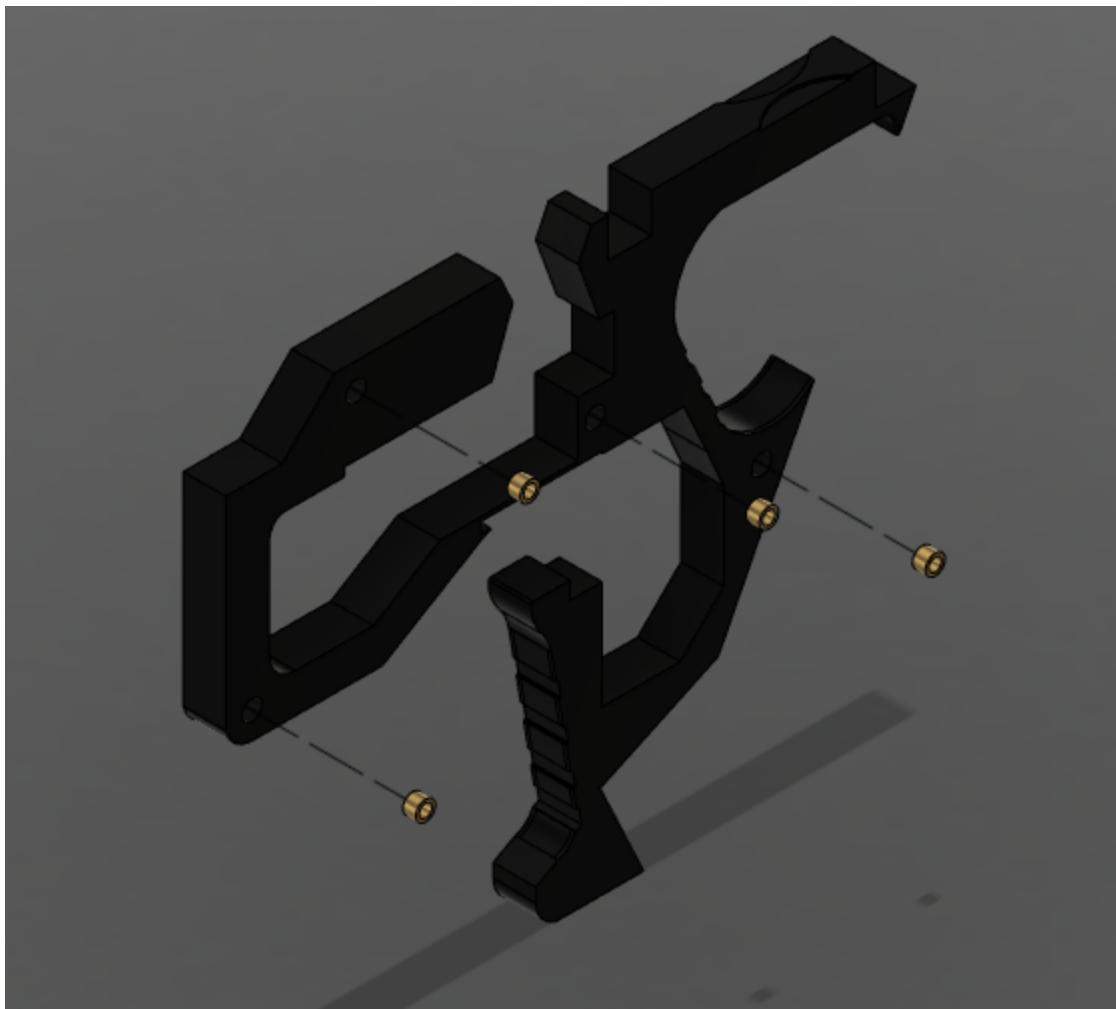


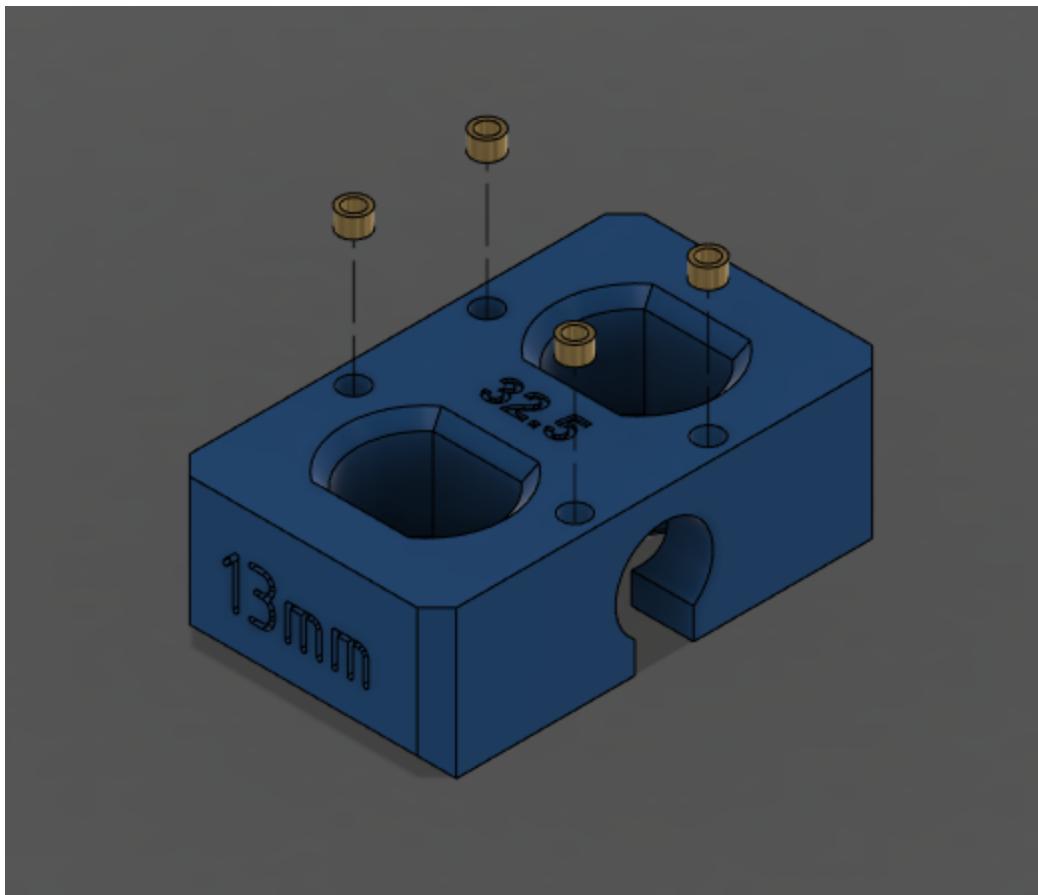


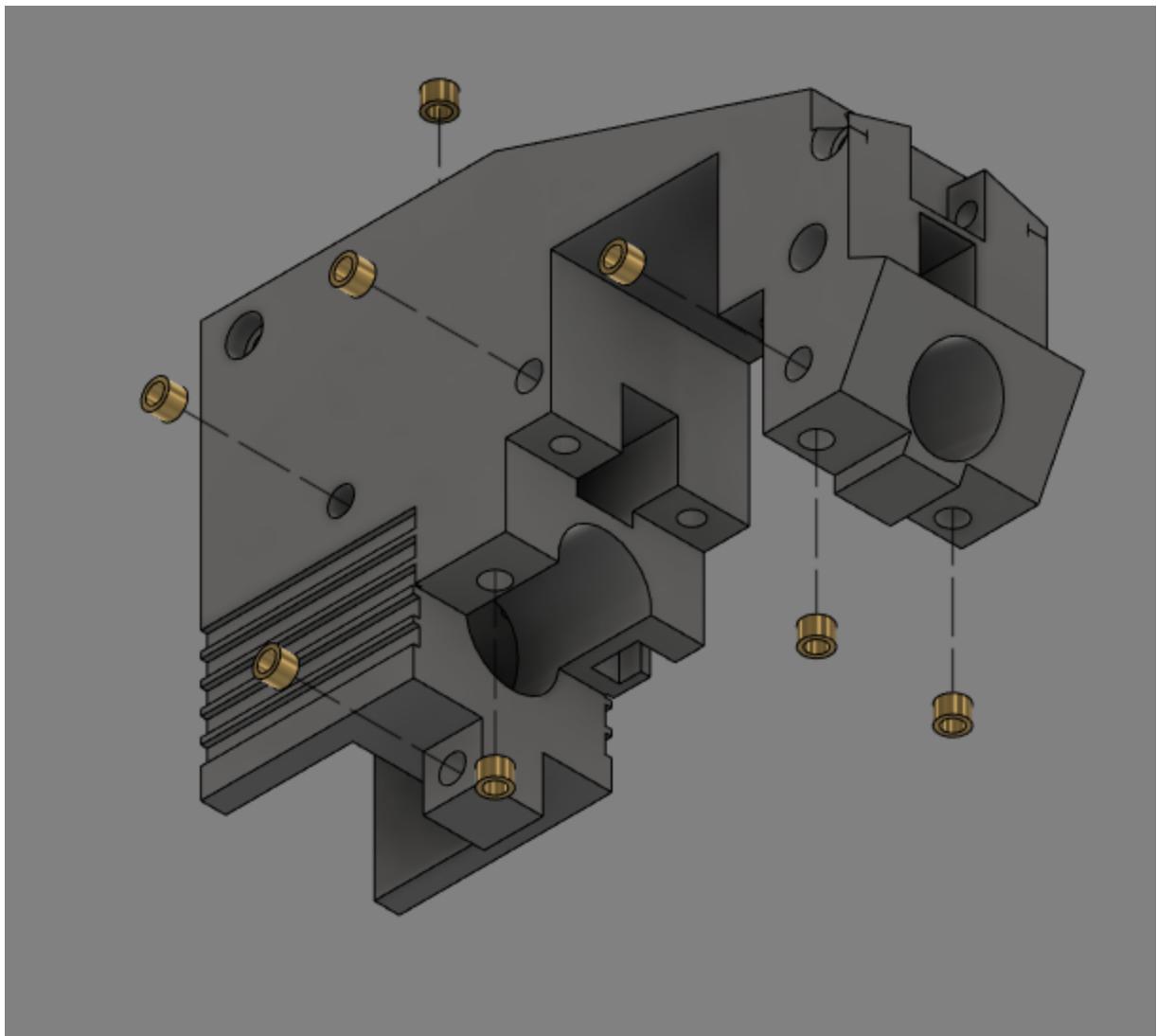


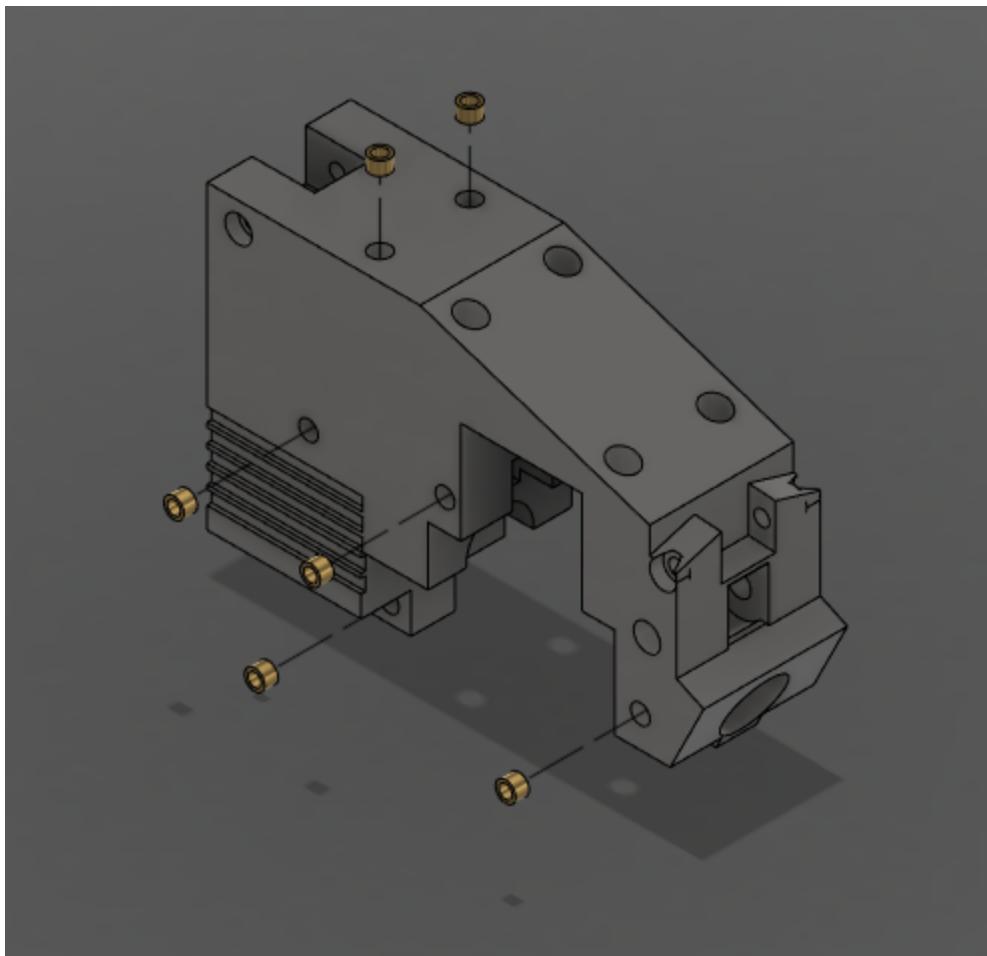


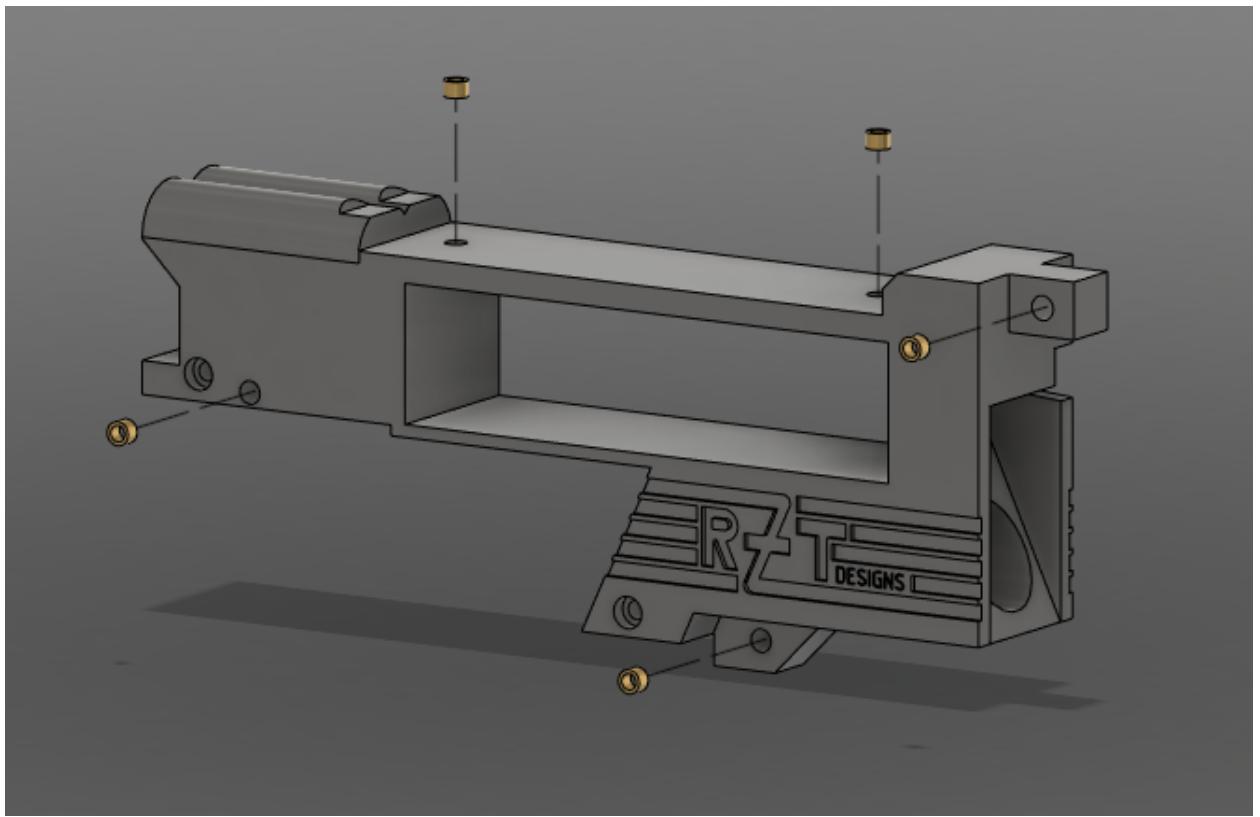




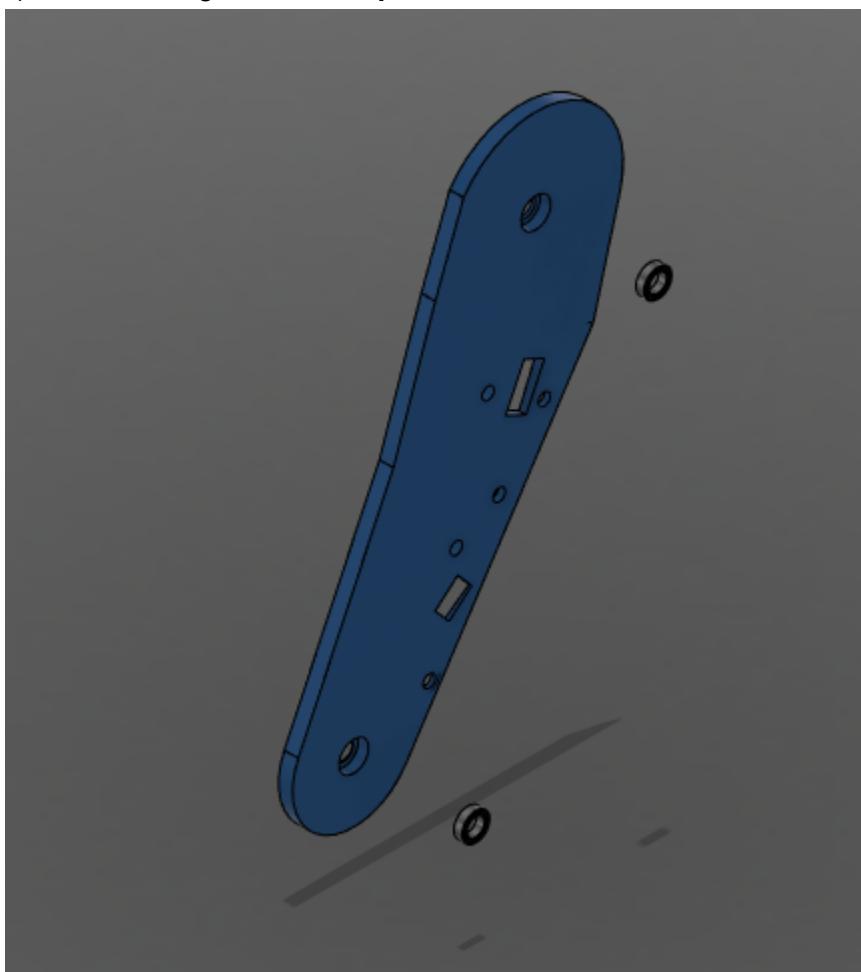




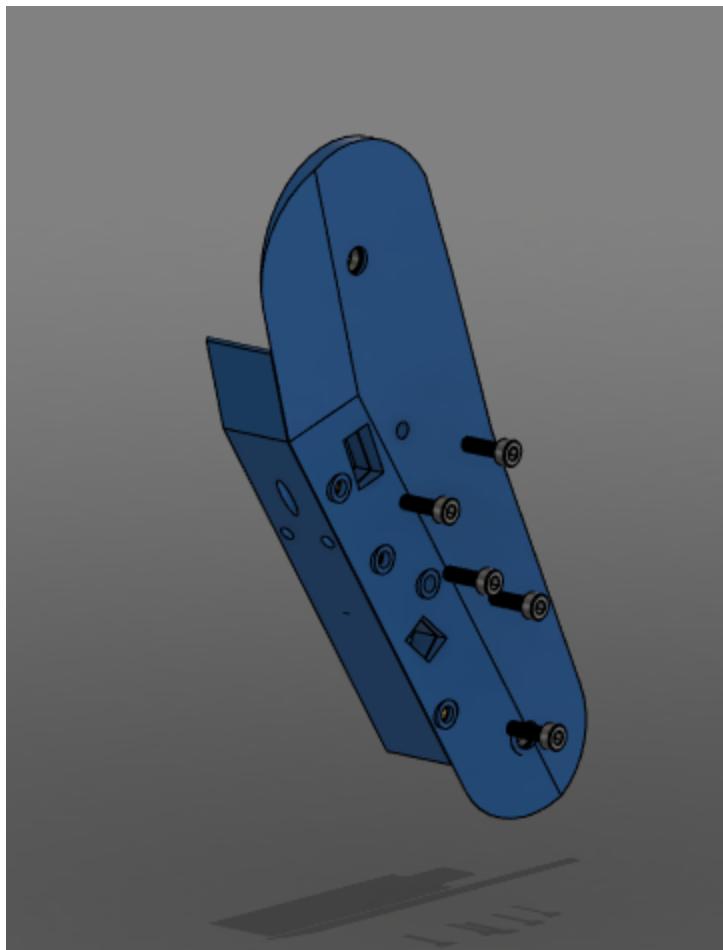




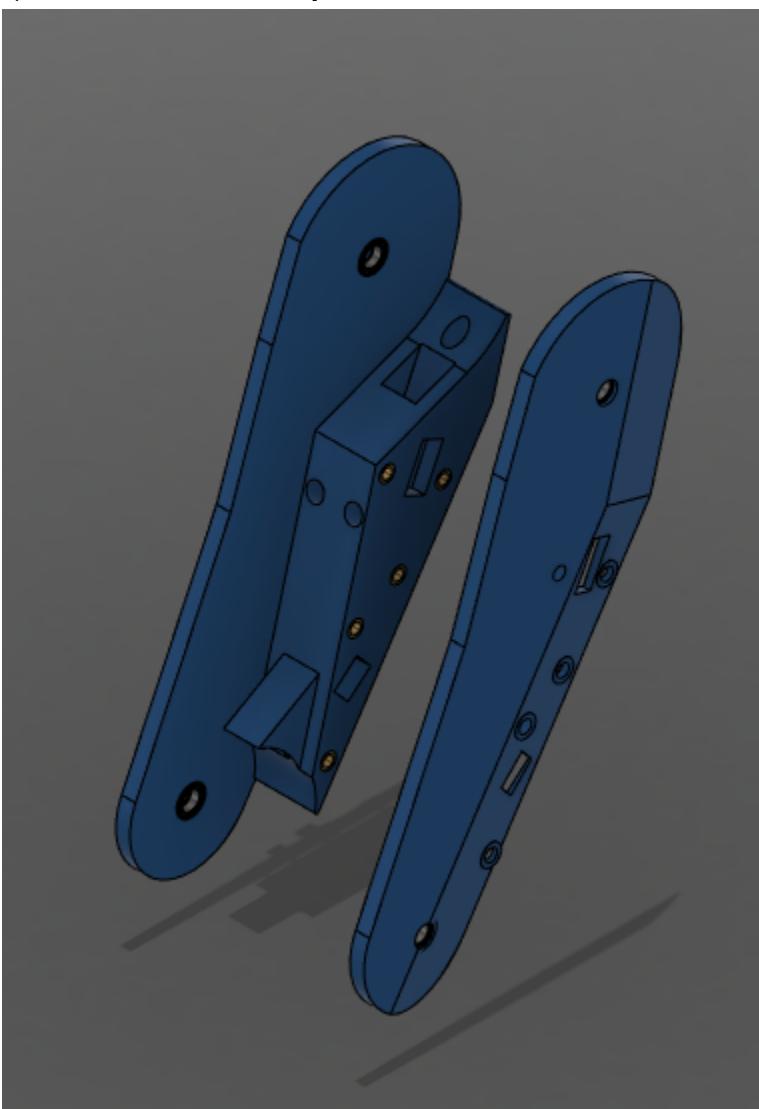
2) Insert bearings into **stock panel**

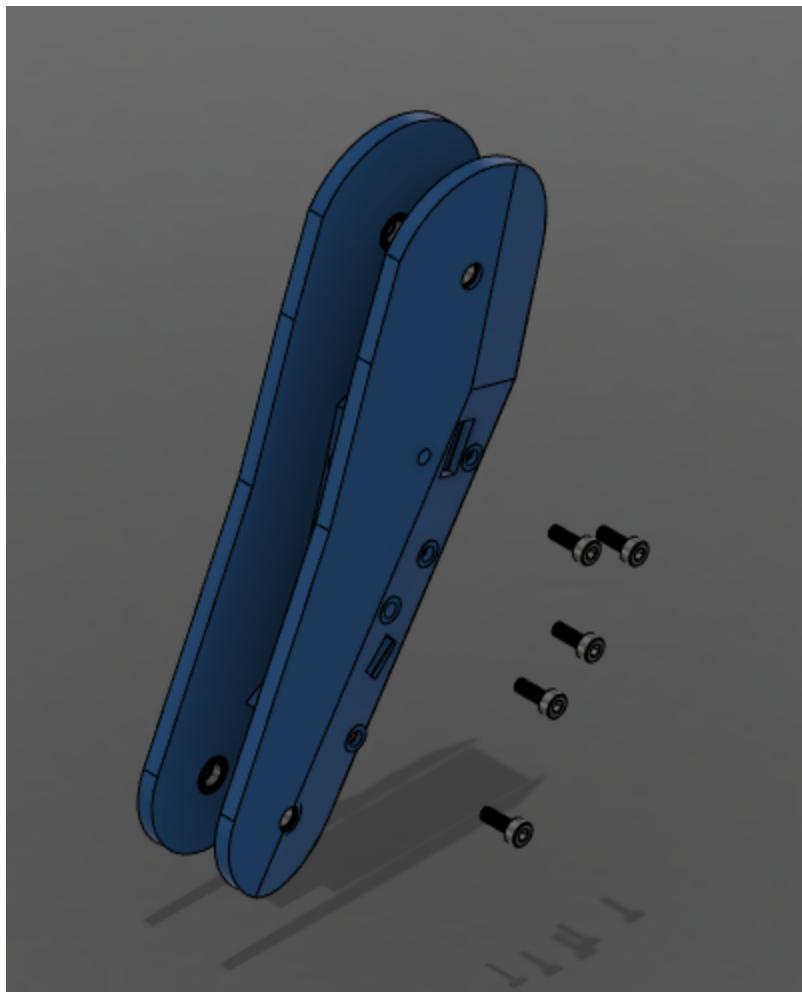


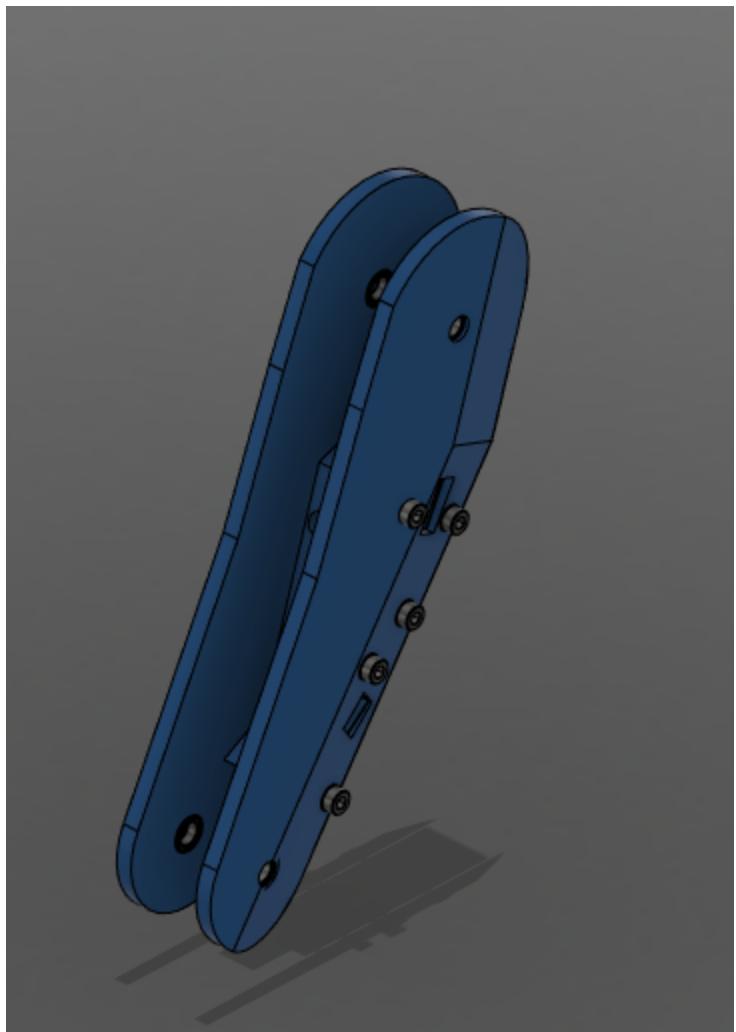
3) Attach **stock panel** to **stock core**



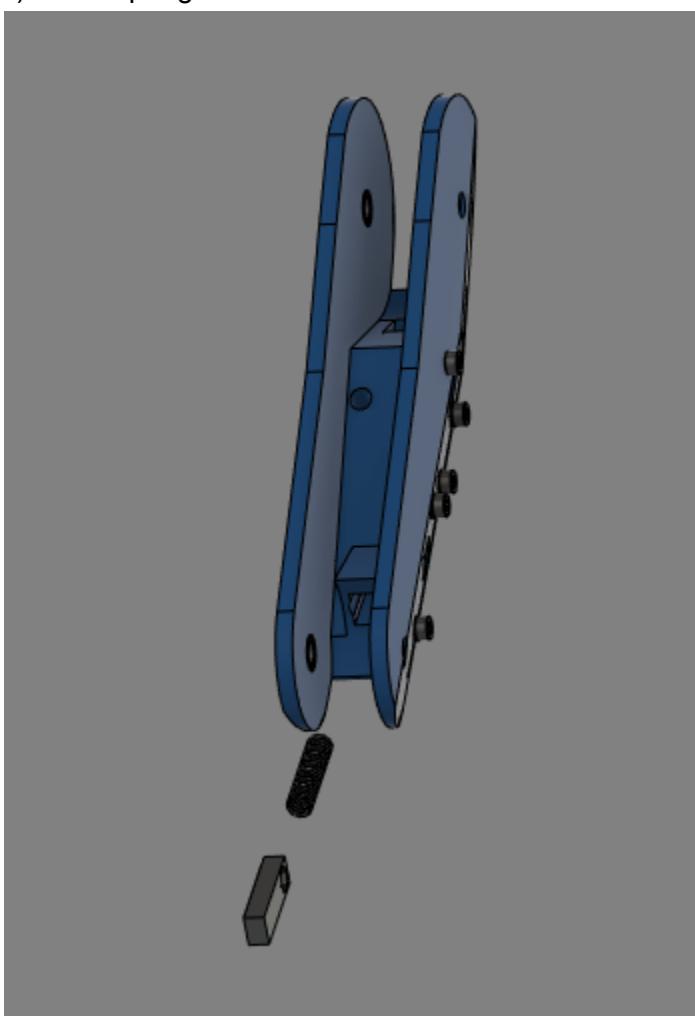
4) Attach second **stock panel** to core

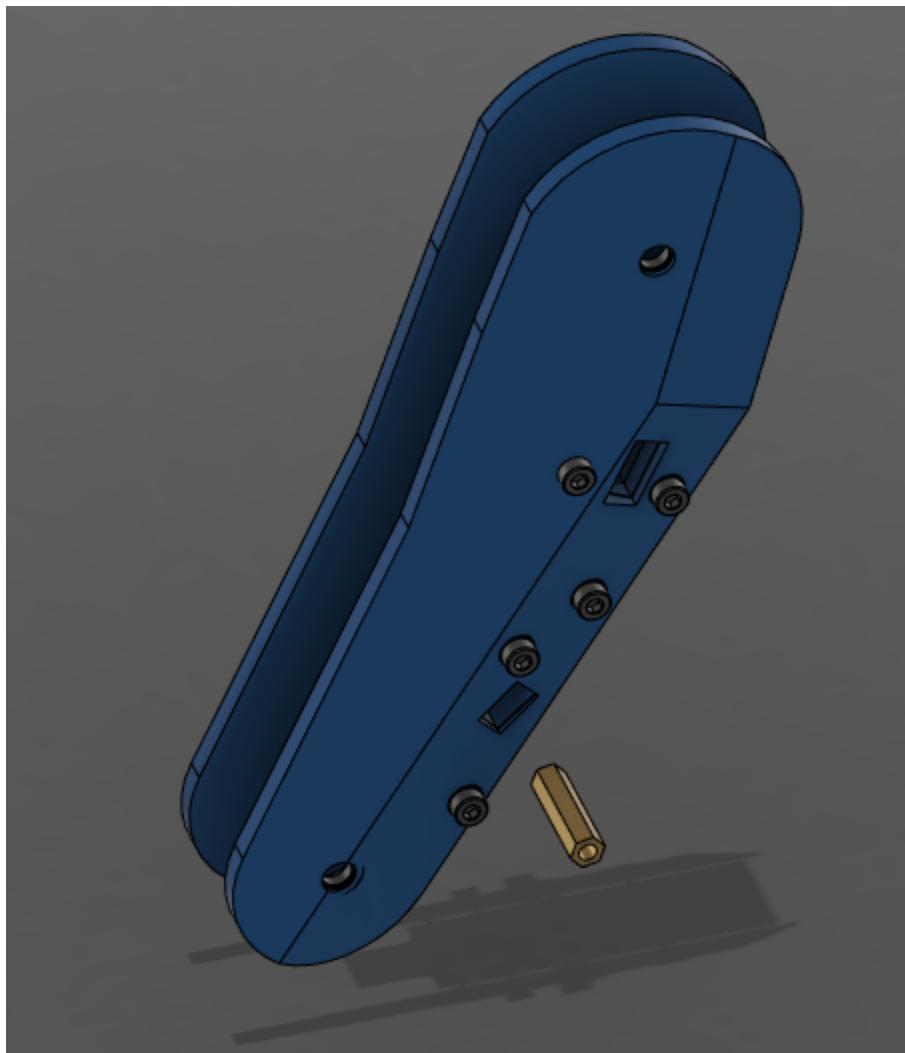




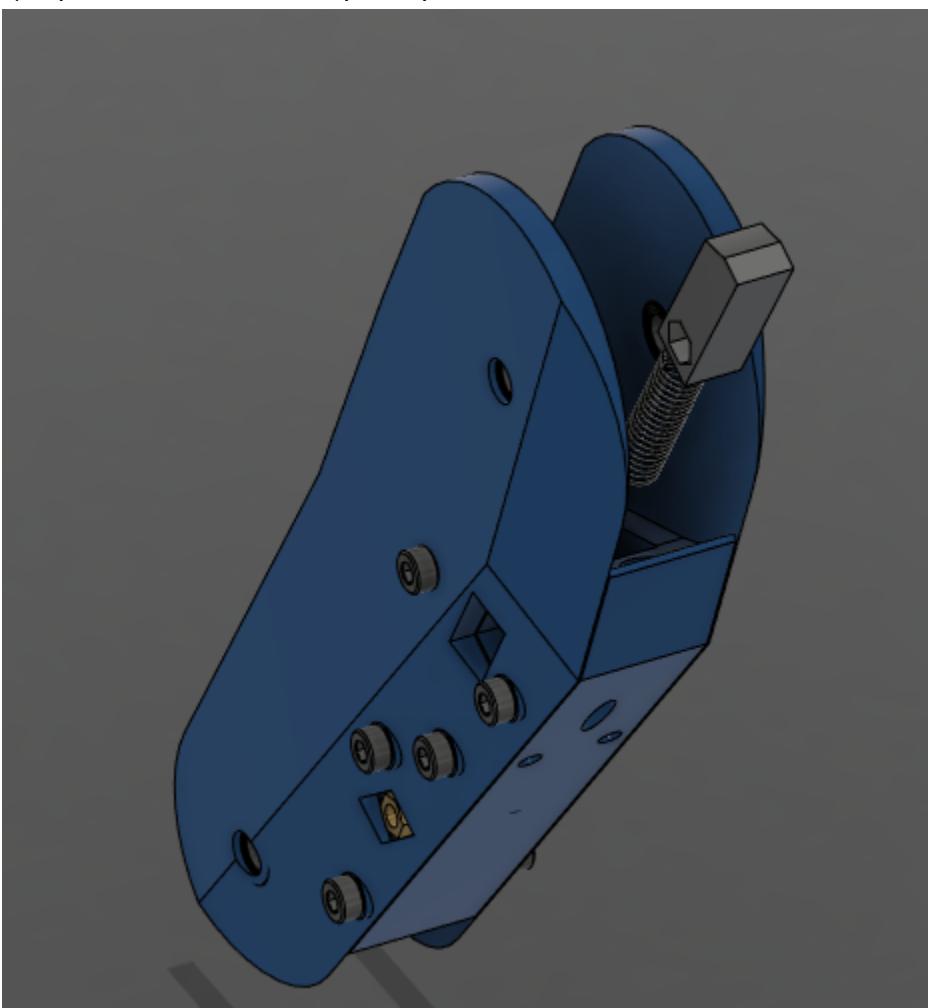


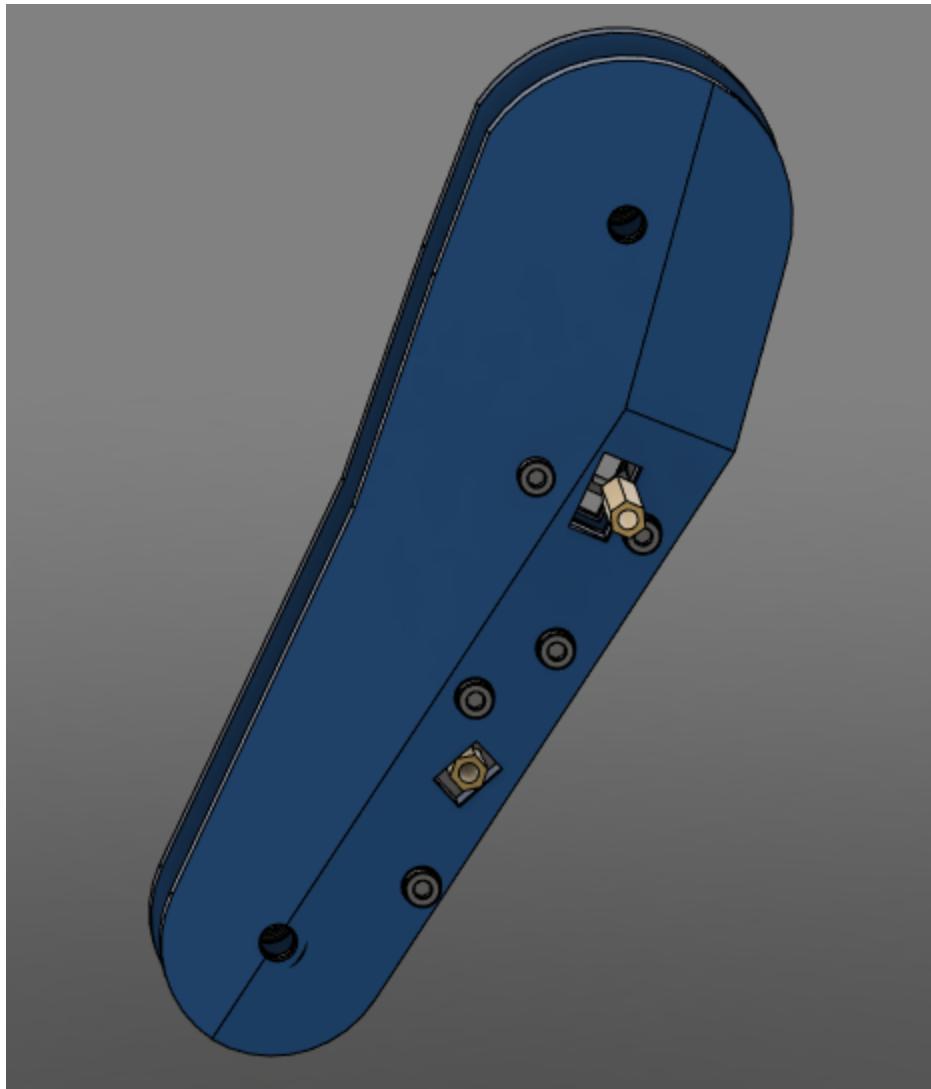
5) insert spring and **stocklatch2** into the bottom stock latch hole. Pin in place with hex standoff

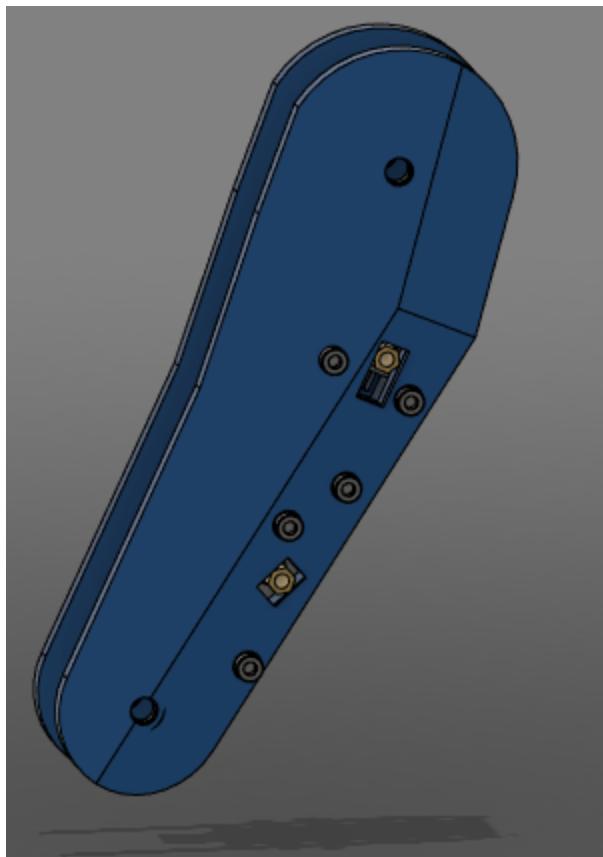




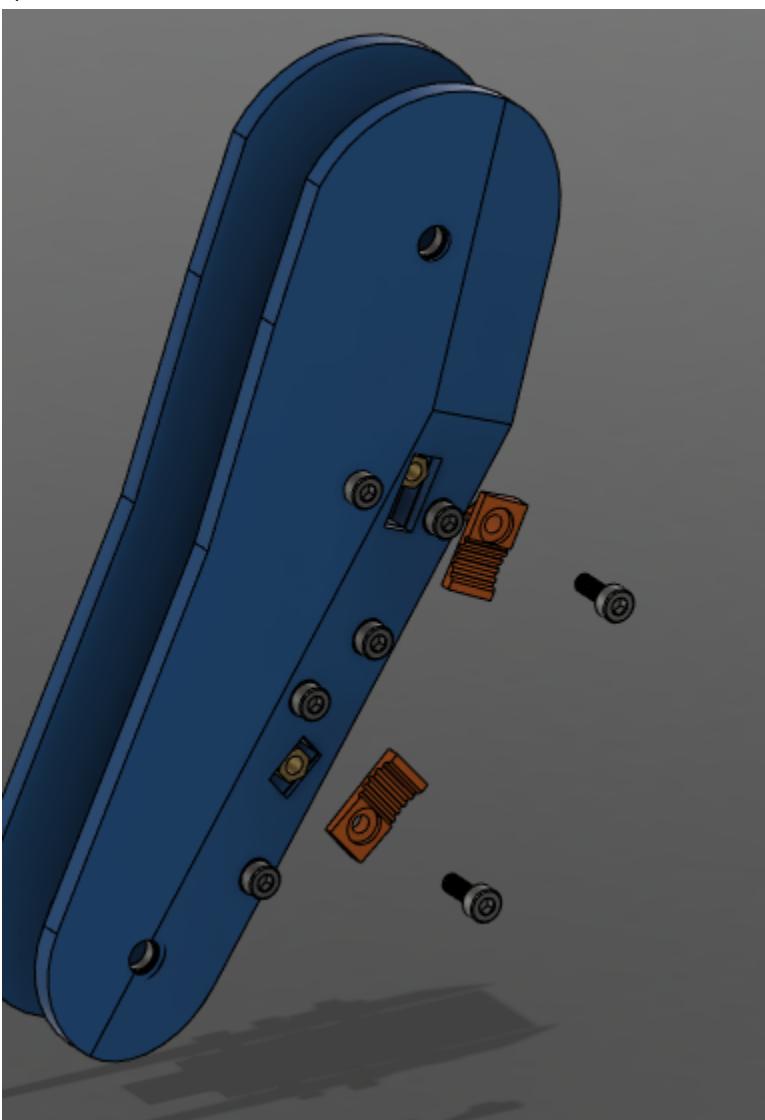
6) repeat for **stock1latch**, pin in place with standoff

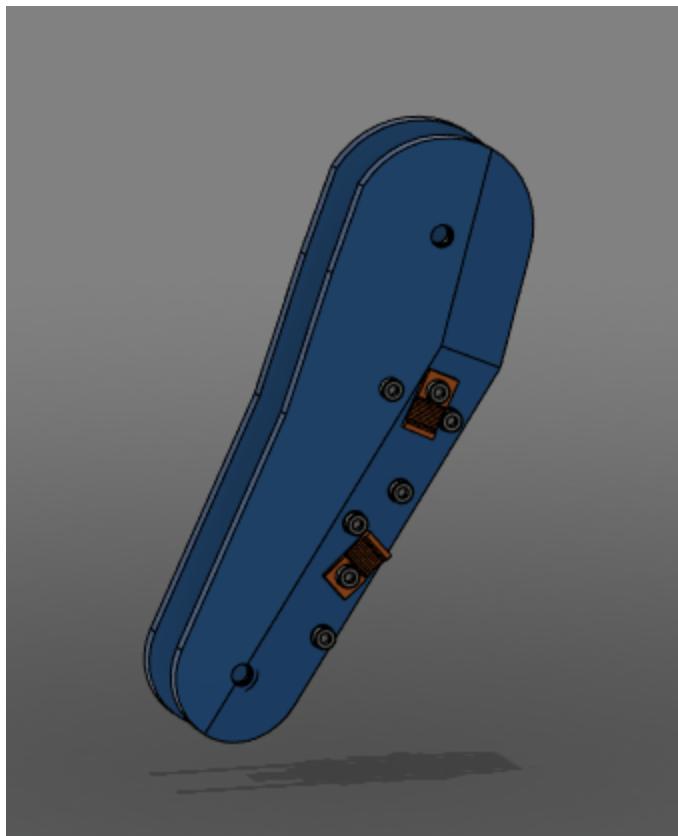




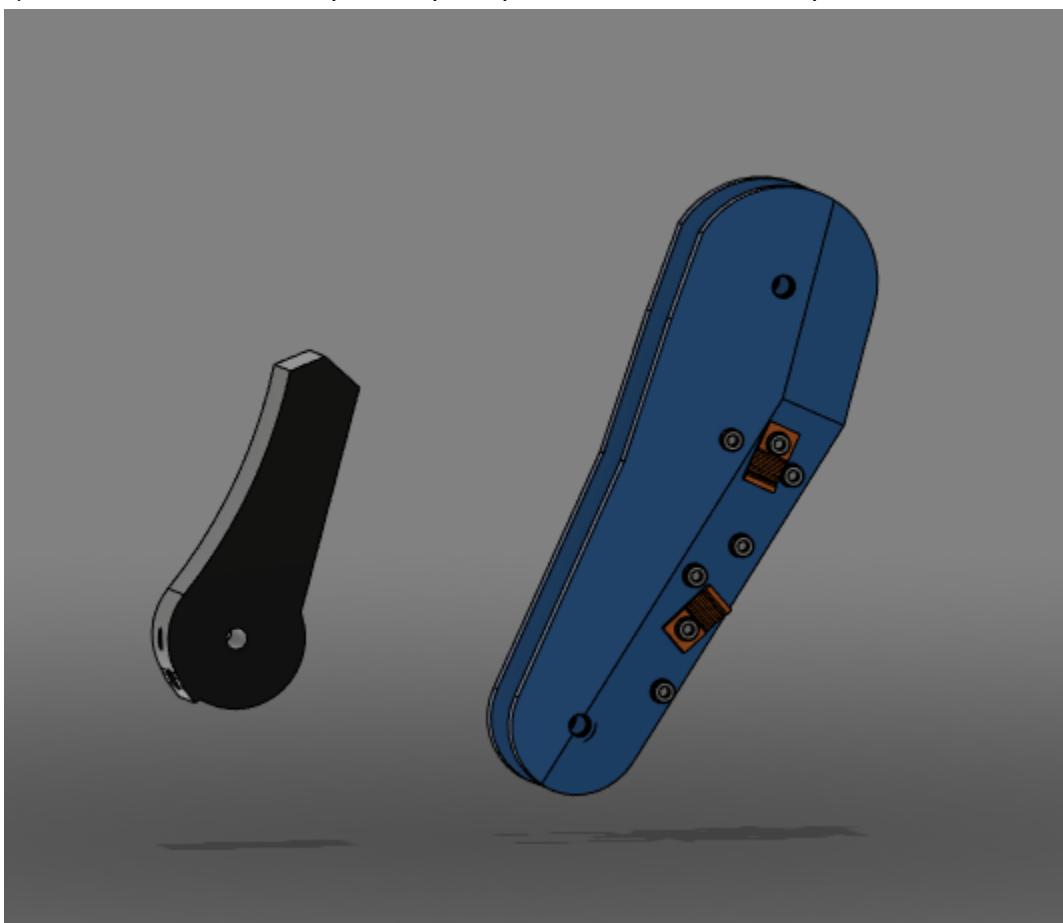


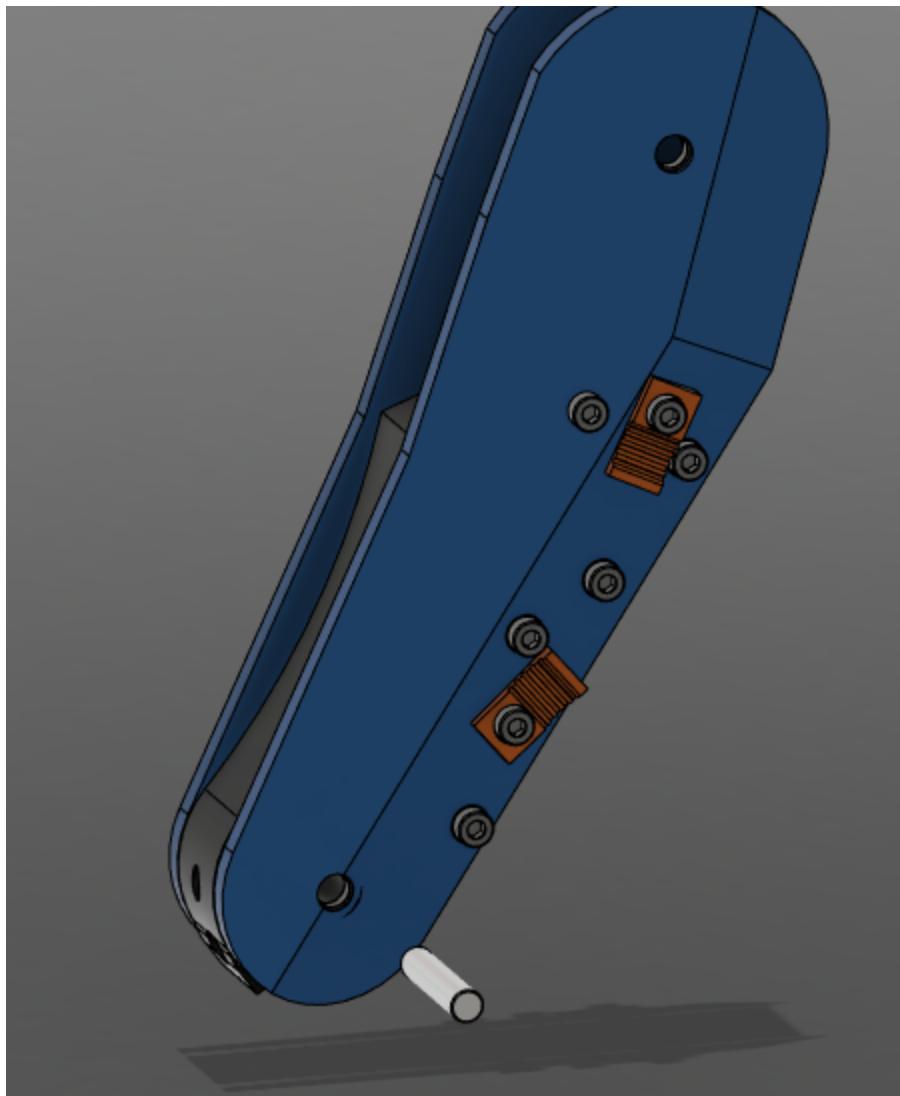
7) add **stock1release** and **stock2release** to the standoffs on the left and right side.





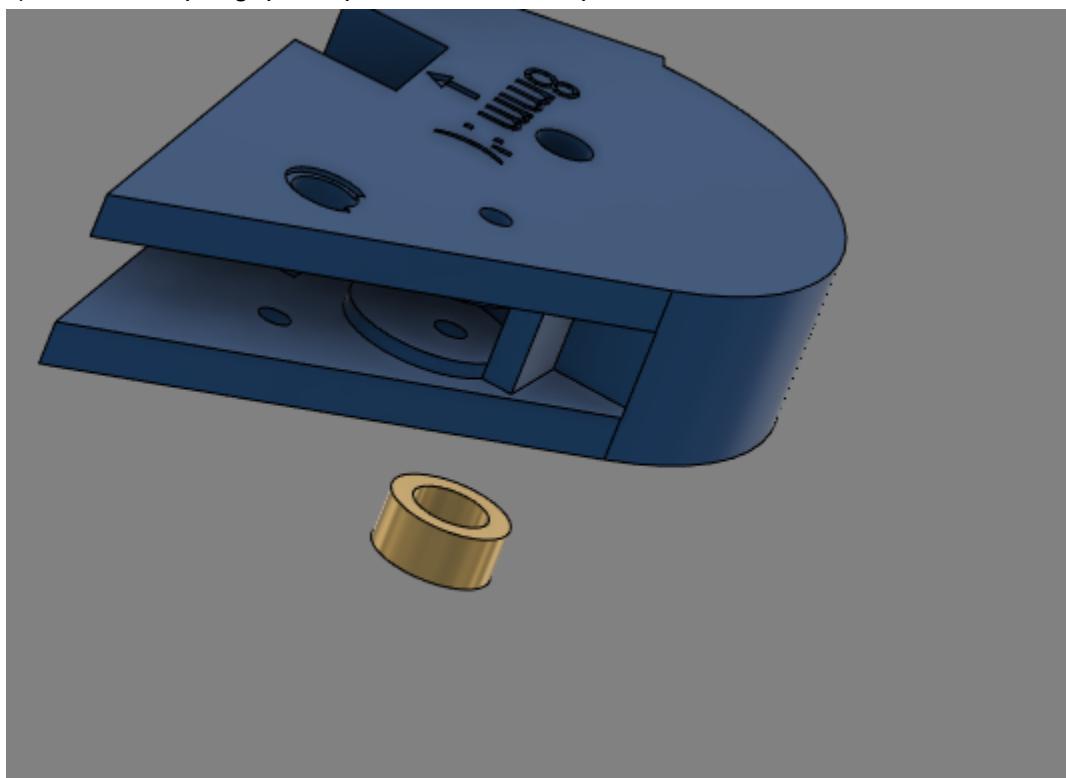
8) Add **stock2** and its respective pivot pin, use screw to retain pin.

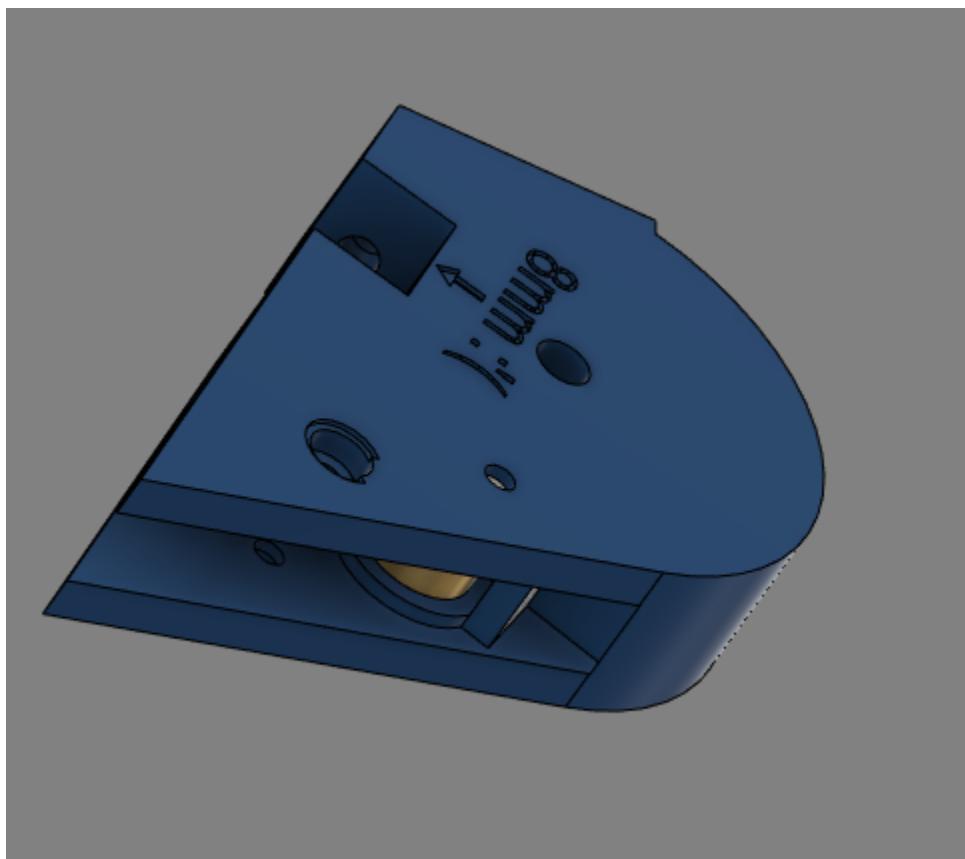
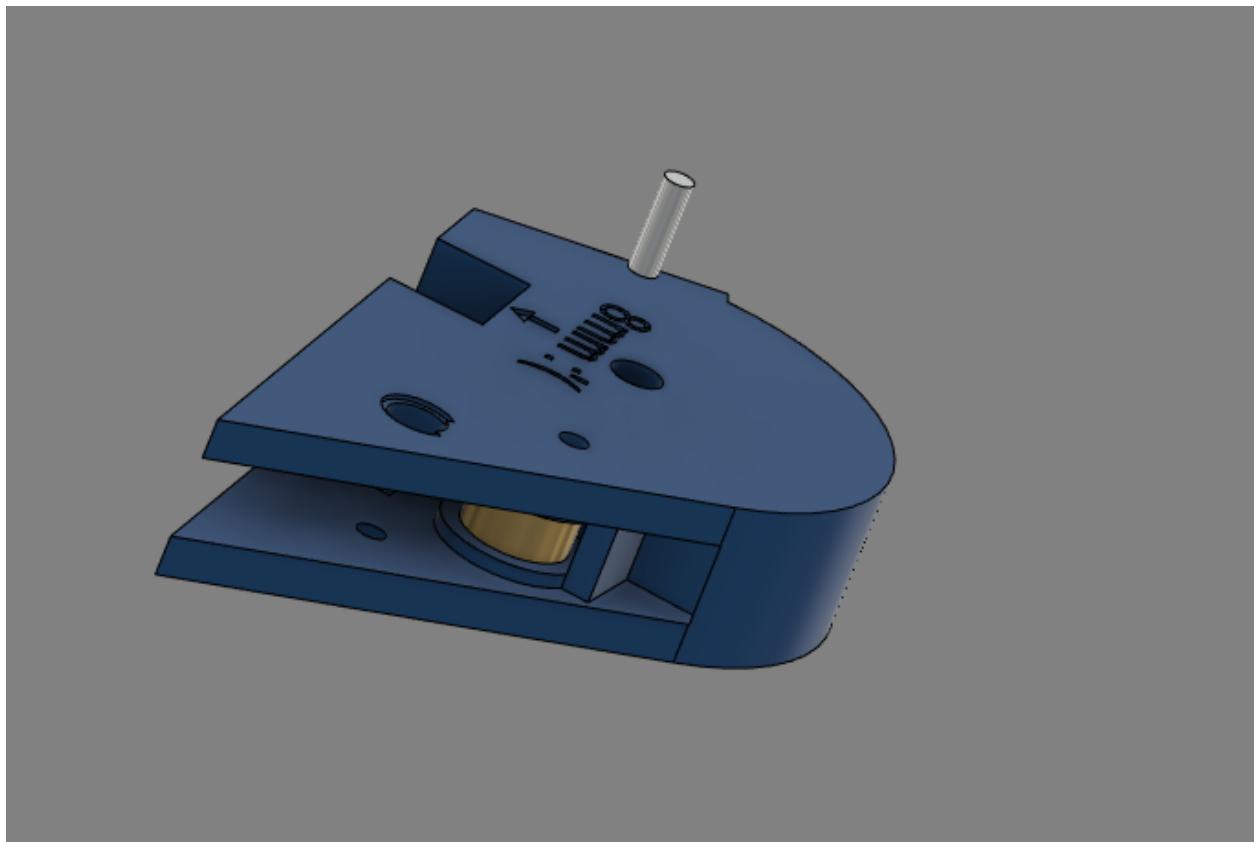




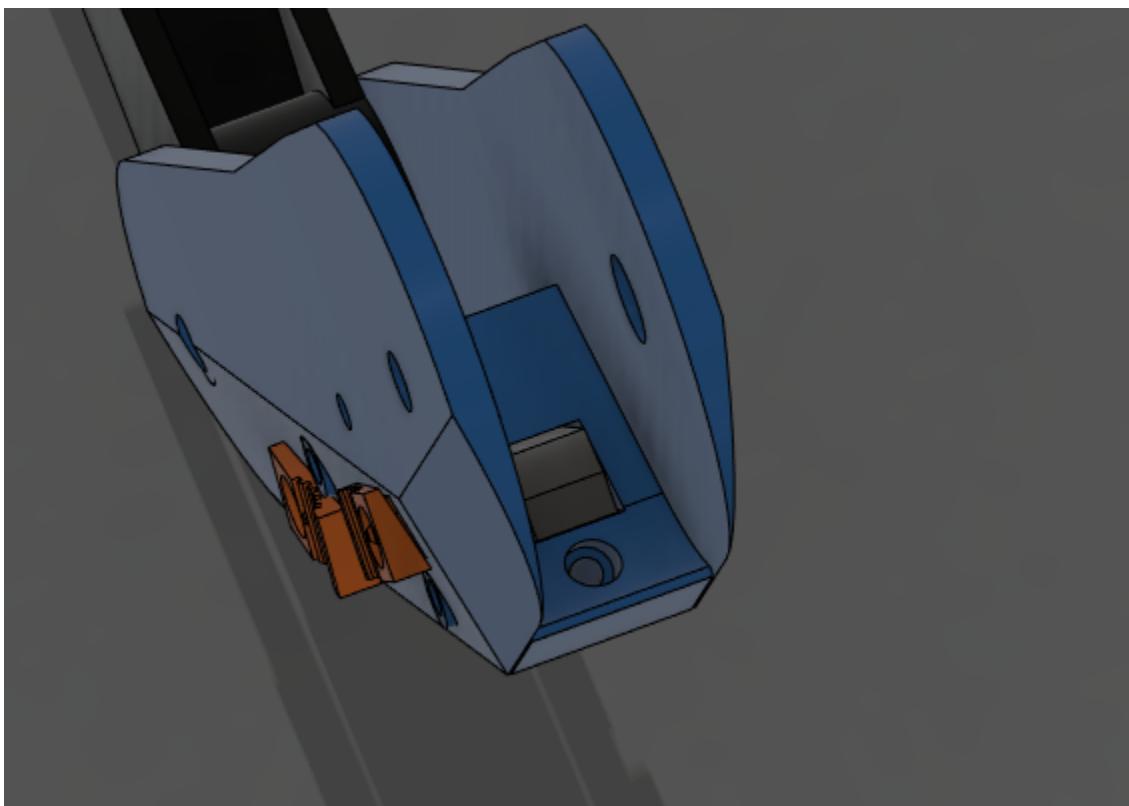
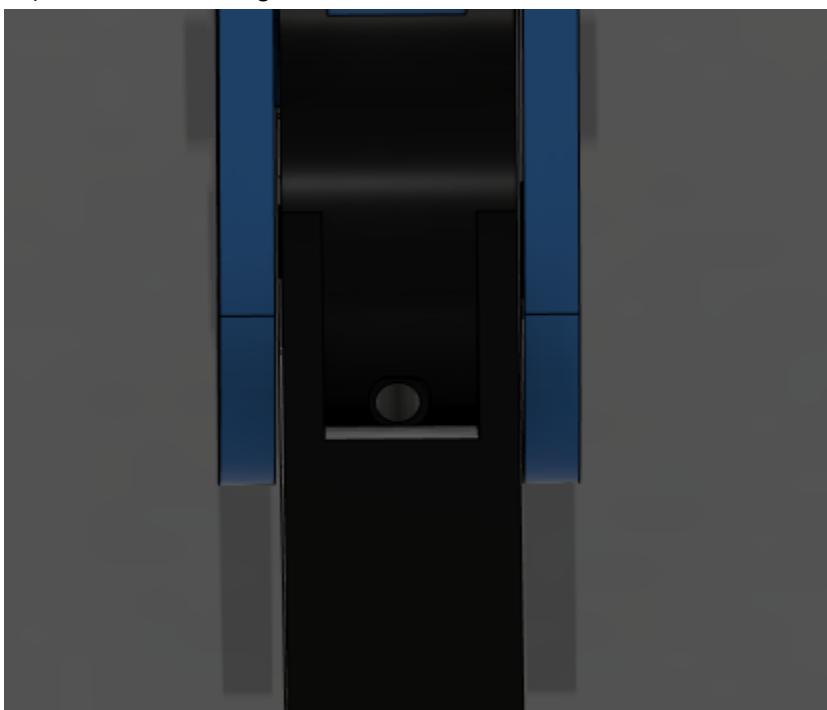


9) Add drum spring, pin in place with a 3mm pin.

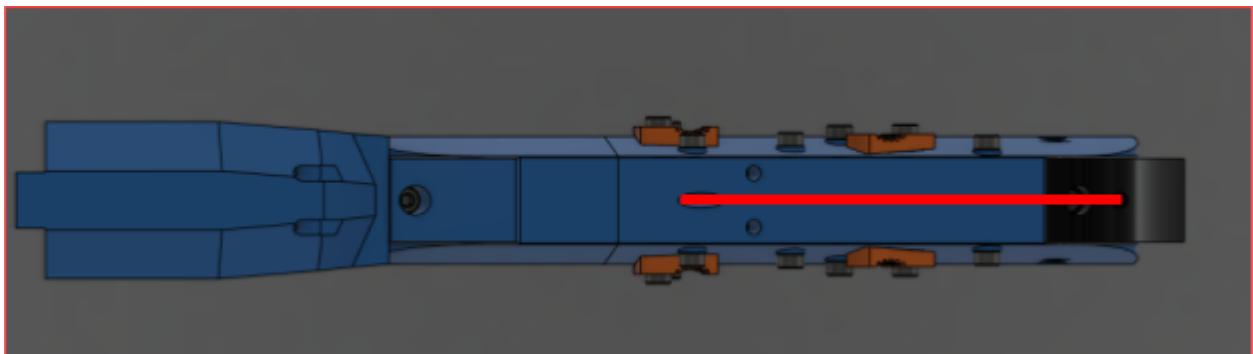




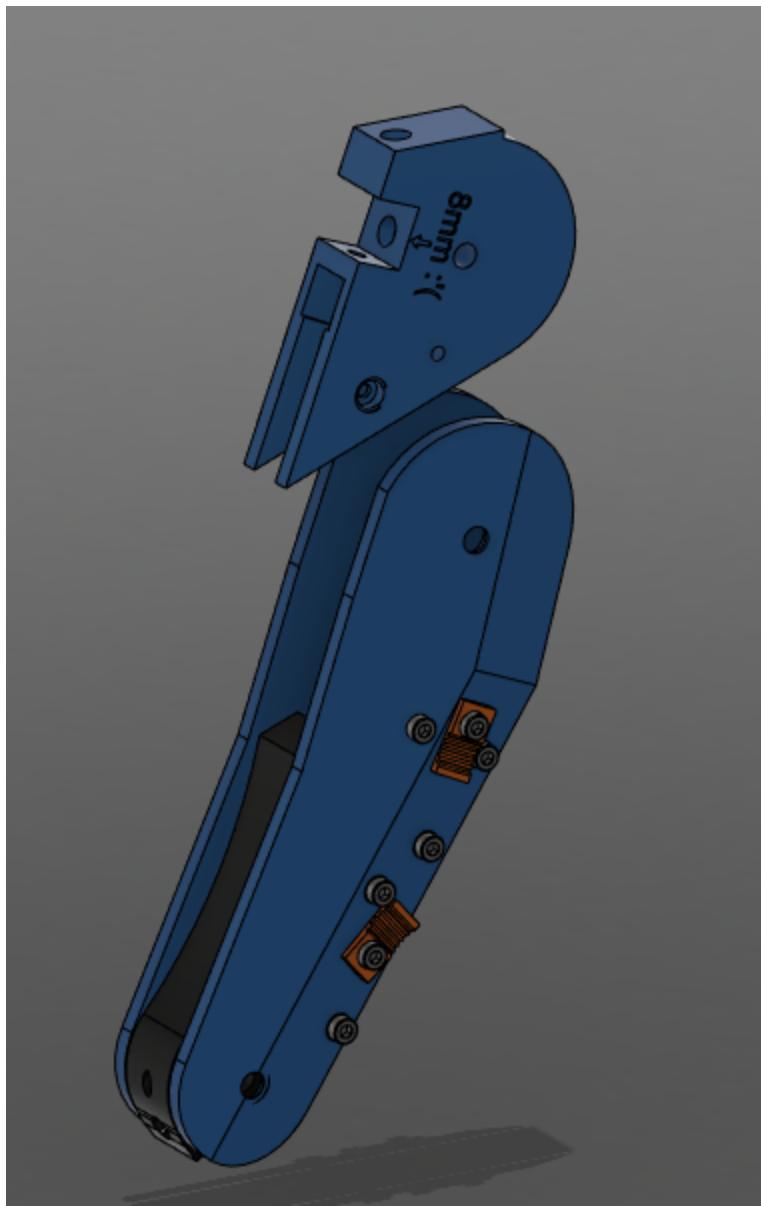
10) Tie elastic through **stock2** and **stockCore**, tension.

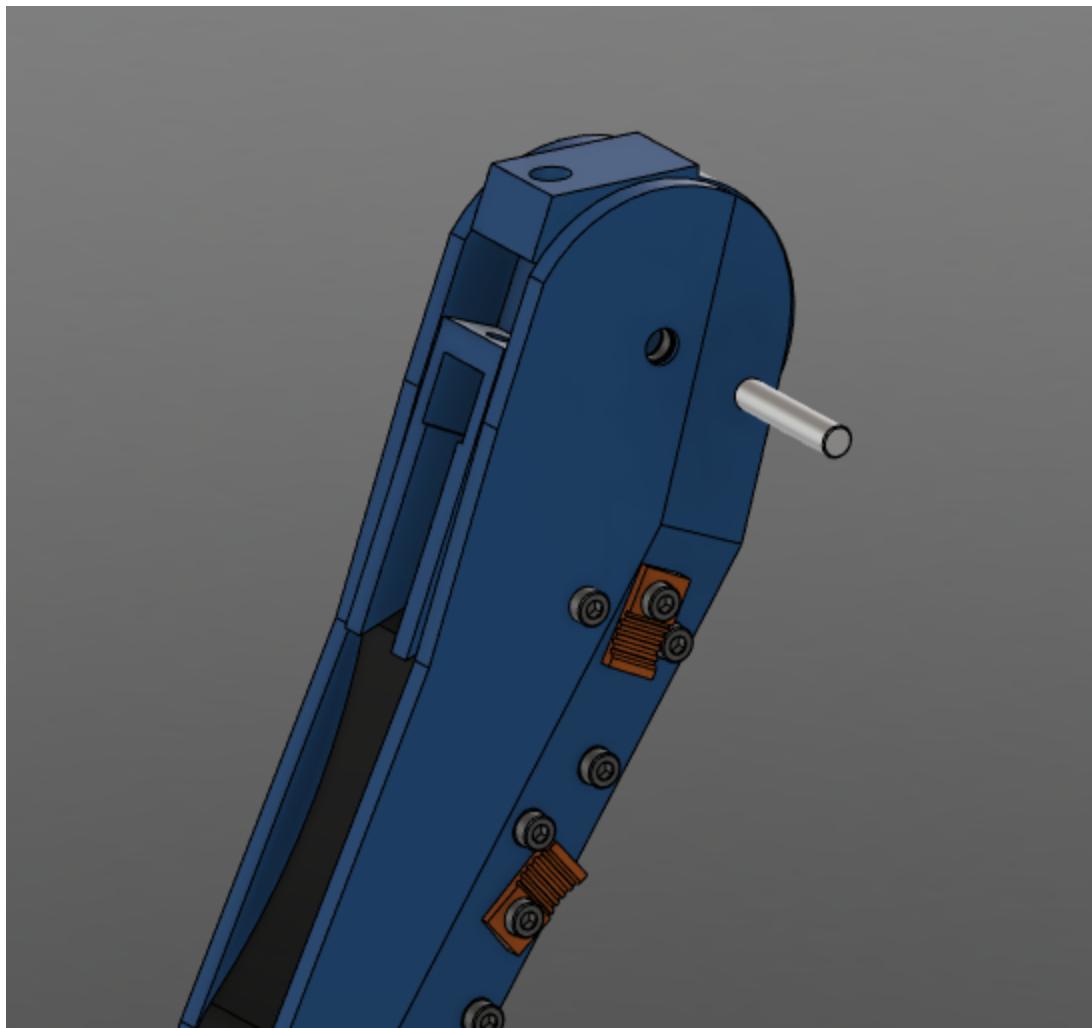


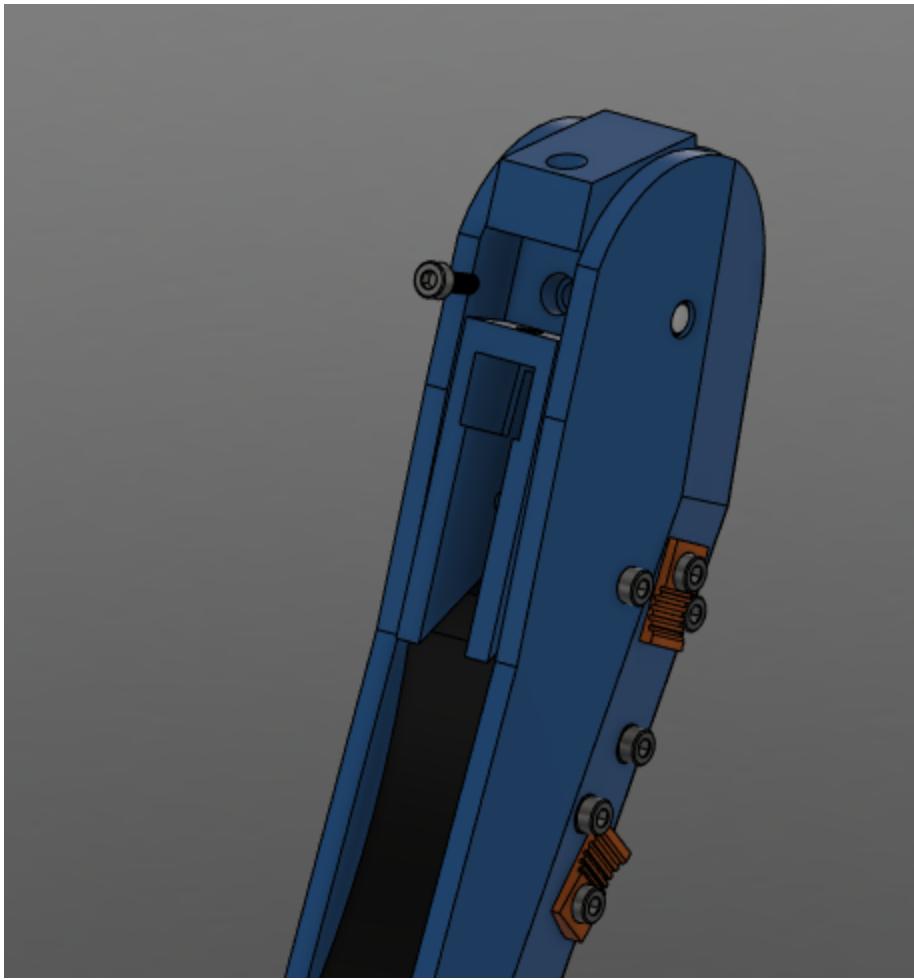
It should look like this:



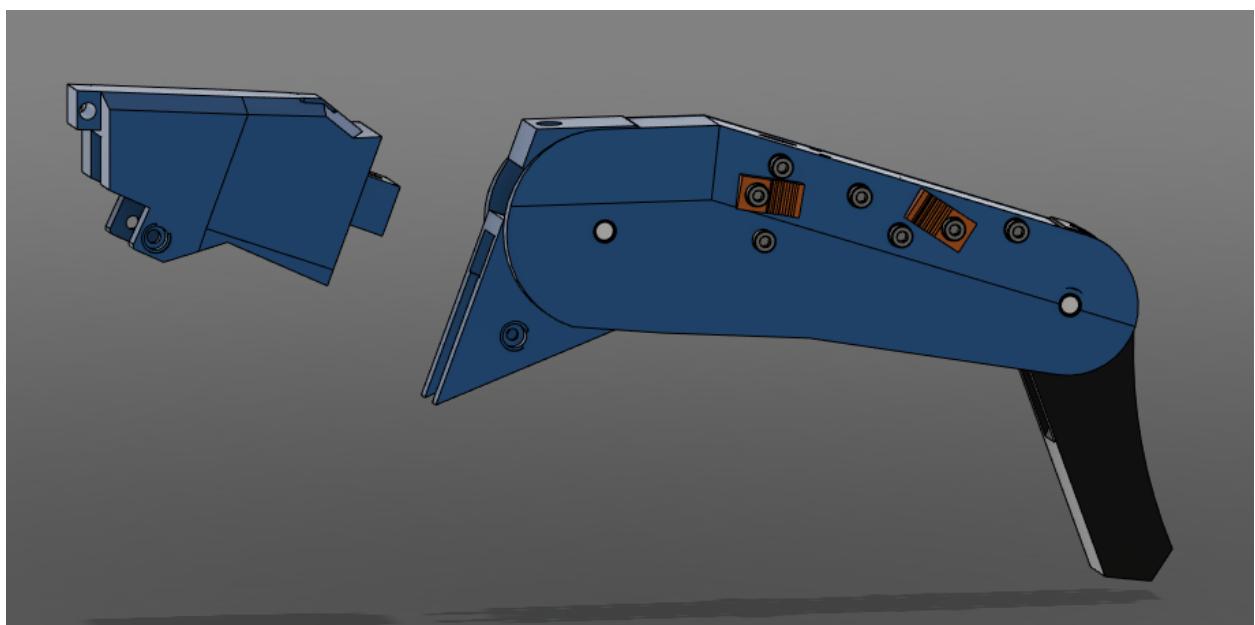
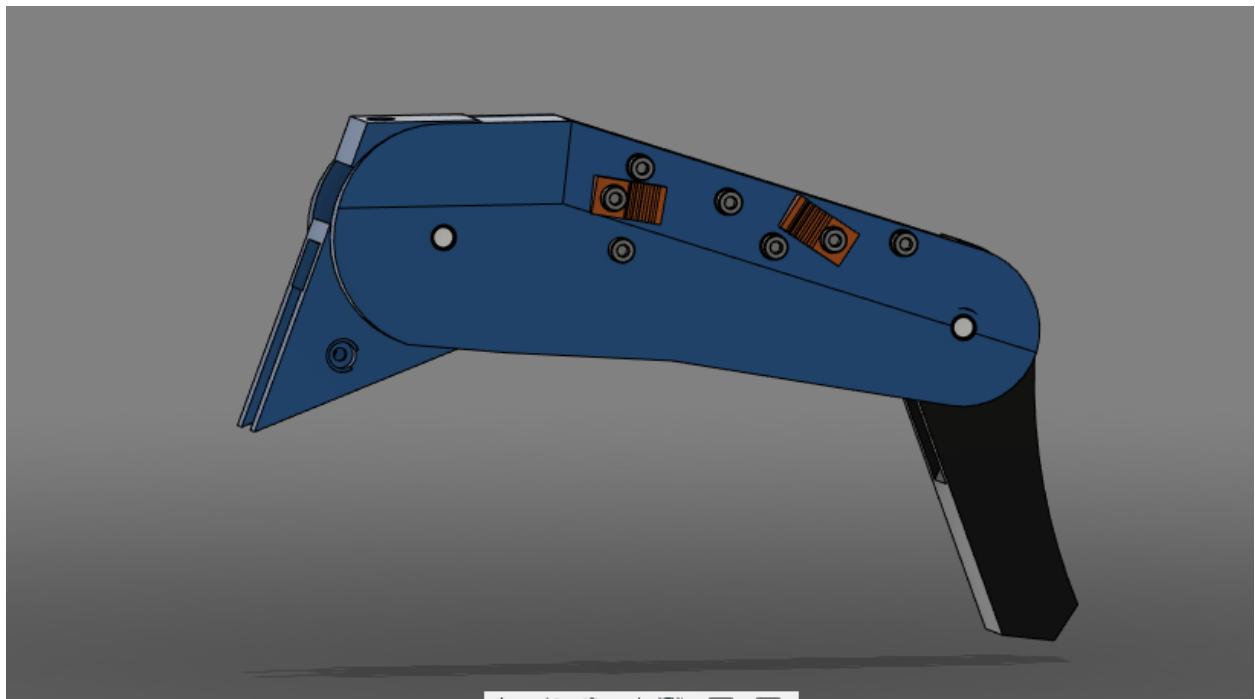
11) Add **stockpivot** to the stock assembly, use 5mm pin to hold in place, use 8mm screw to retain pin (this is the only 8mm screw in the whole build)

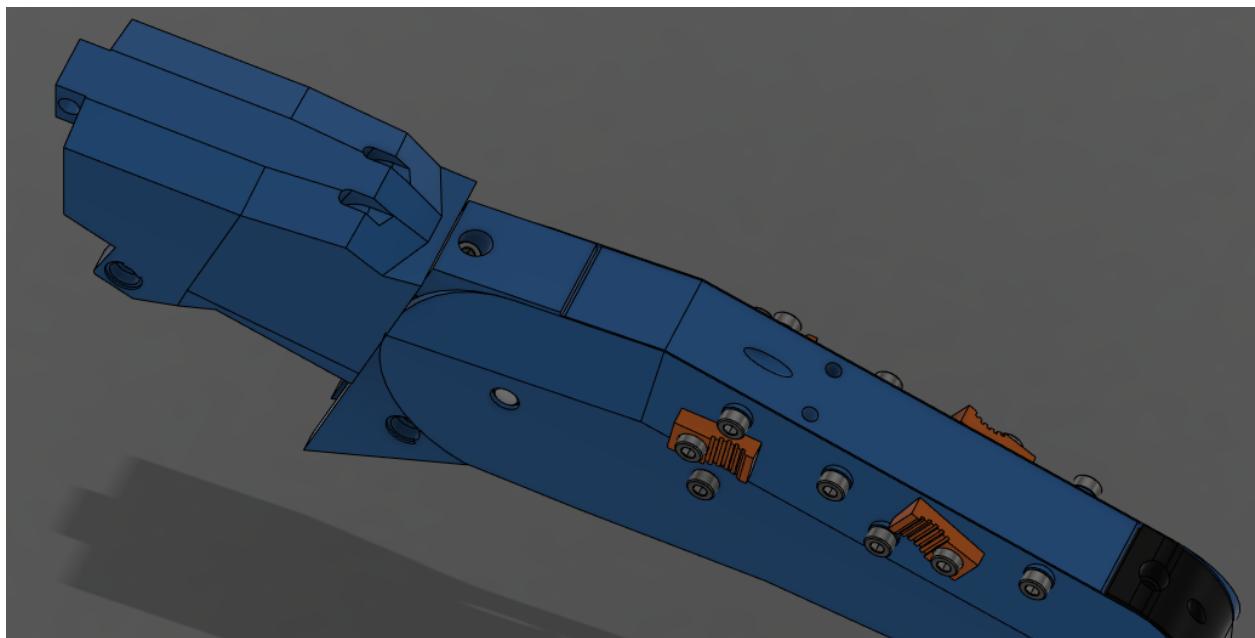
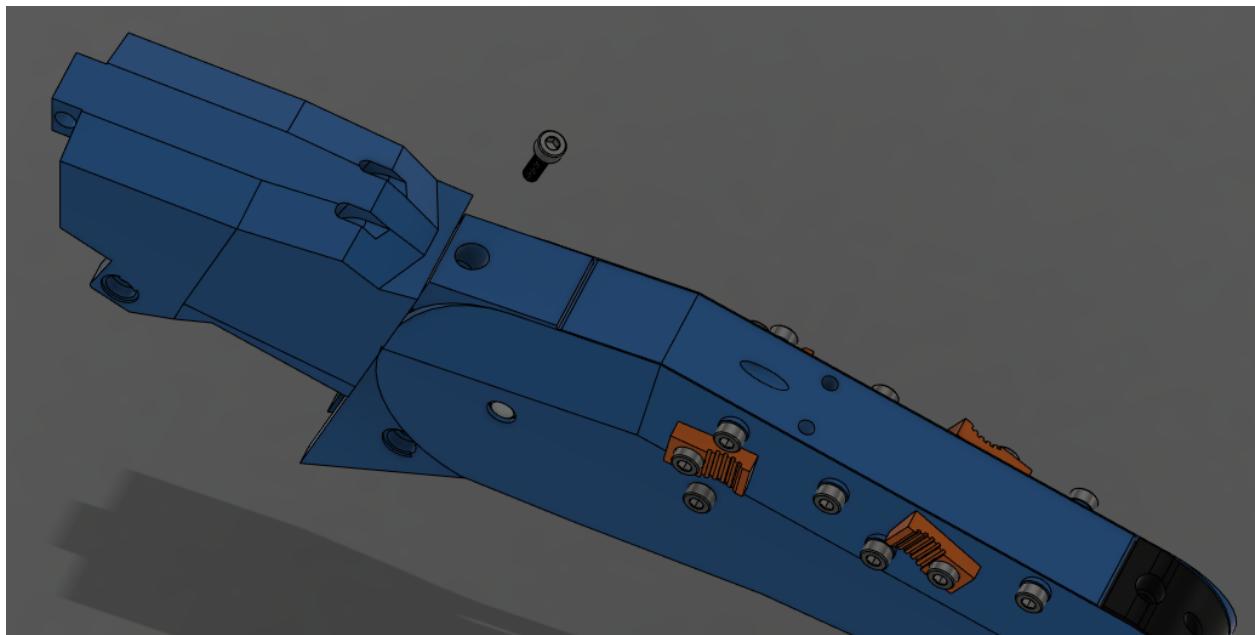


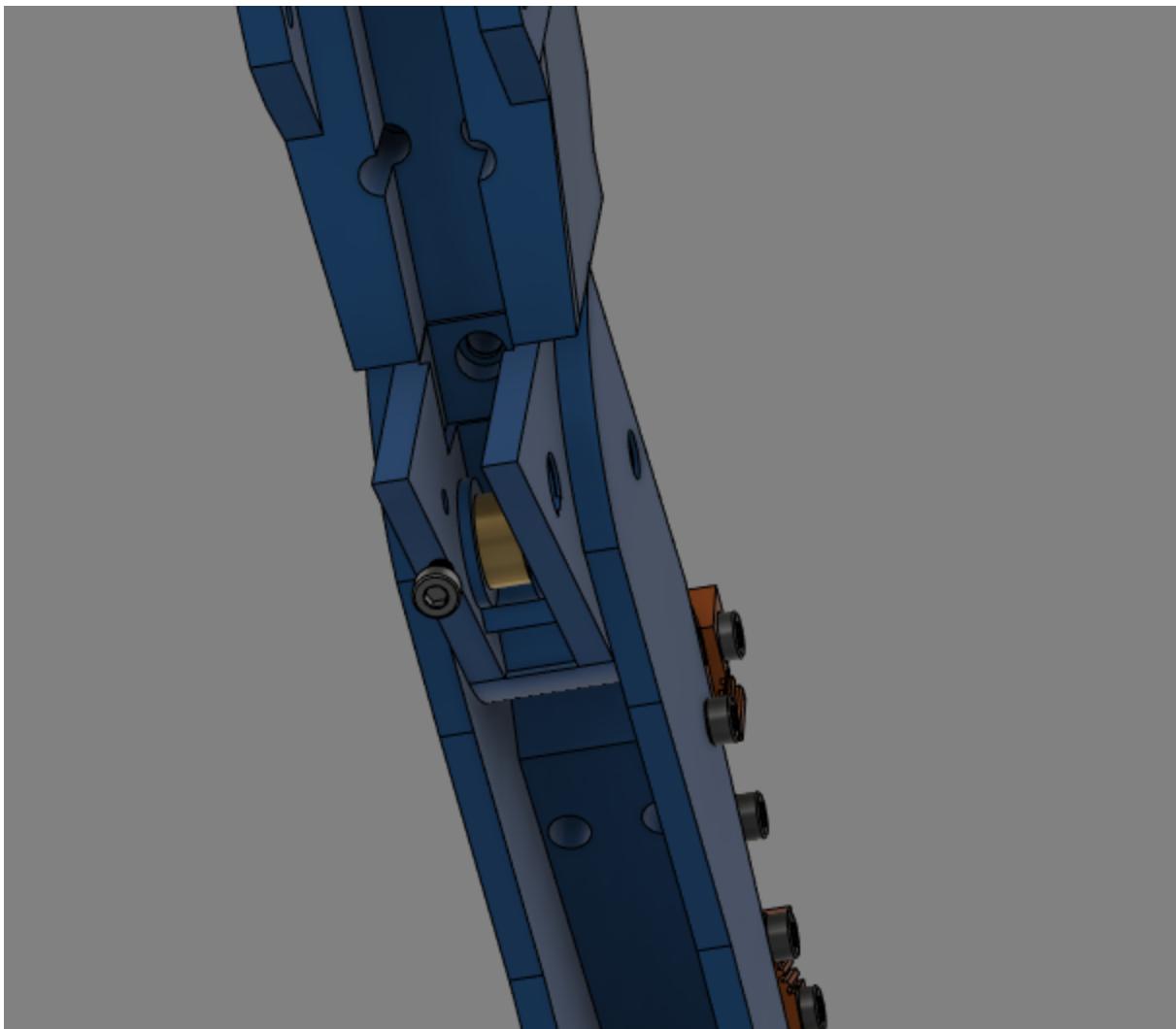


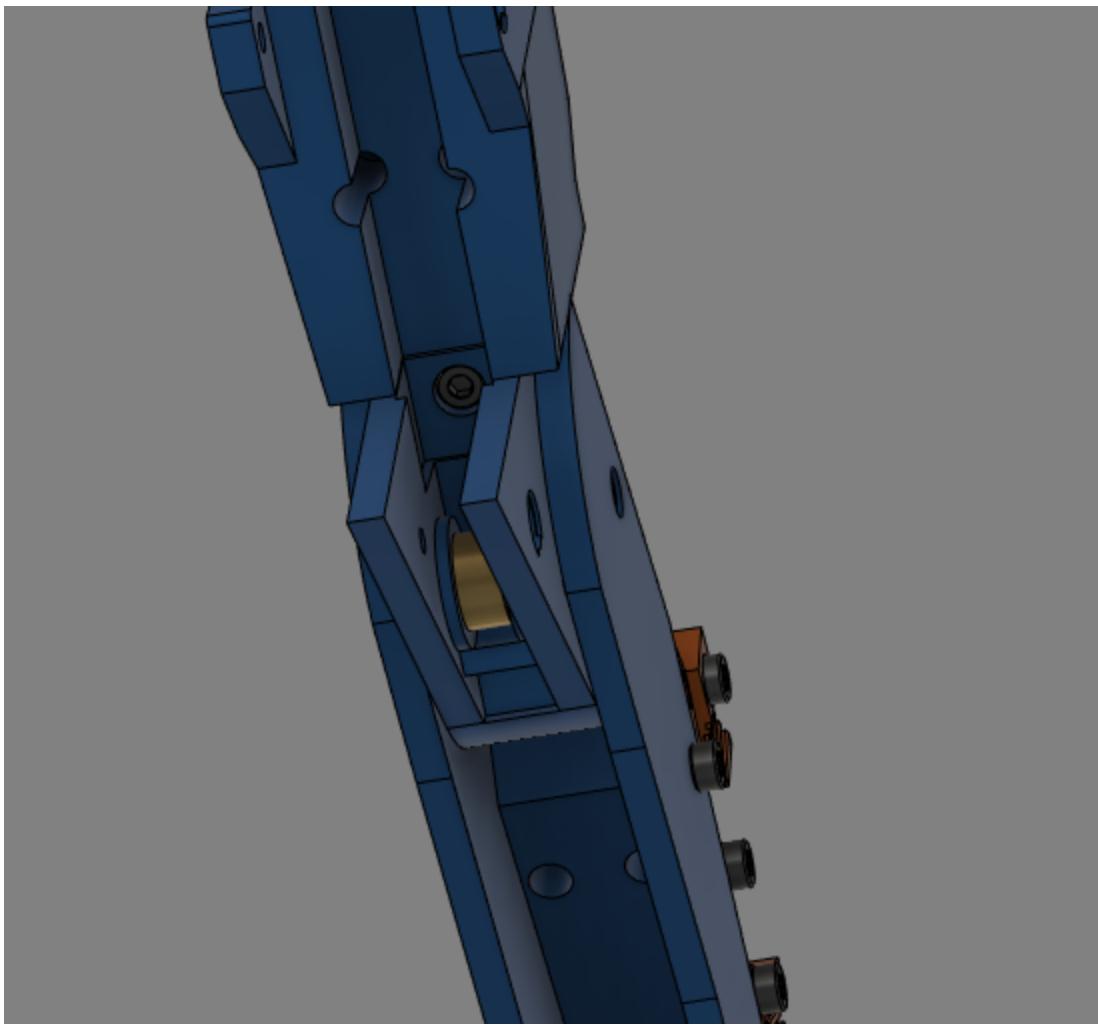


12) Extend stock and attach **back** to the stock assembly. It is held in with a 10mm screw from the top and a 5mm screw from the bottom.

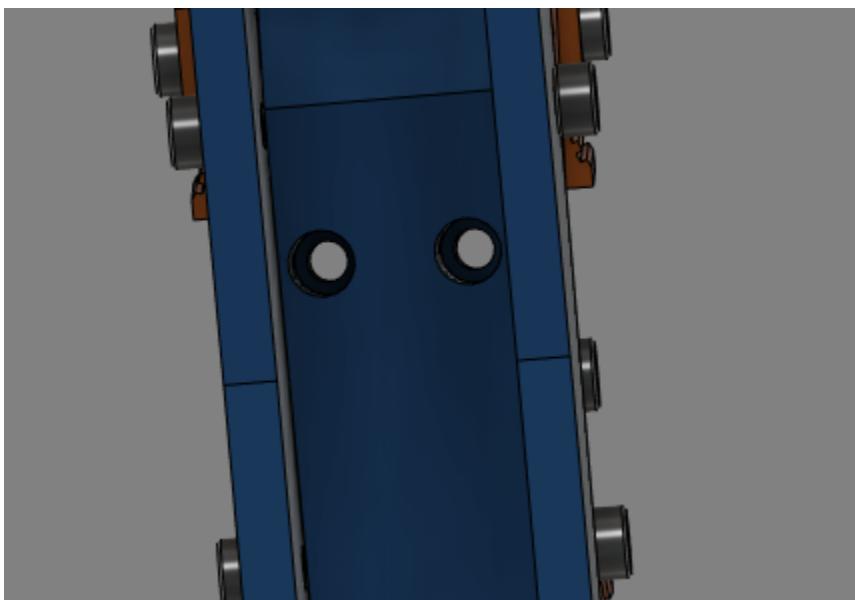
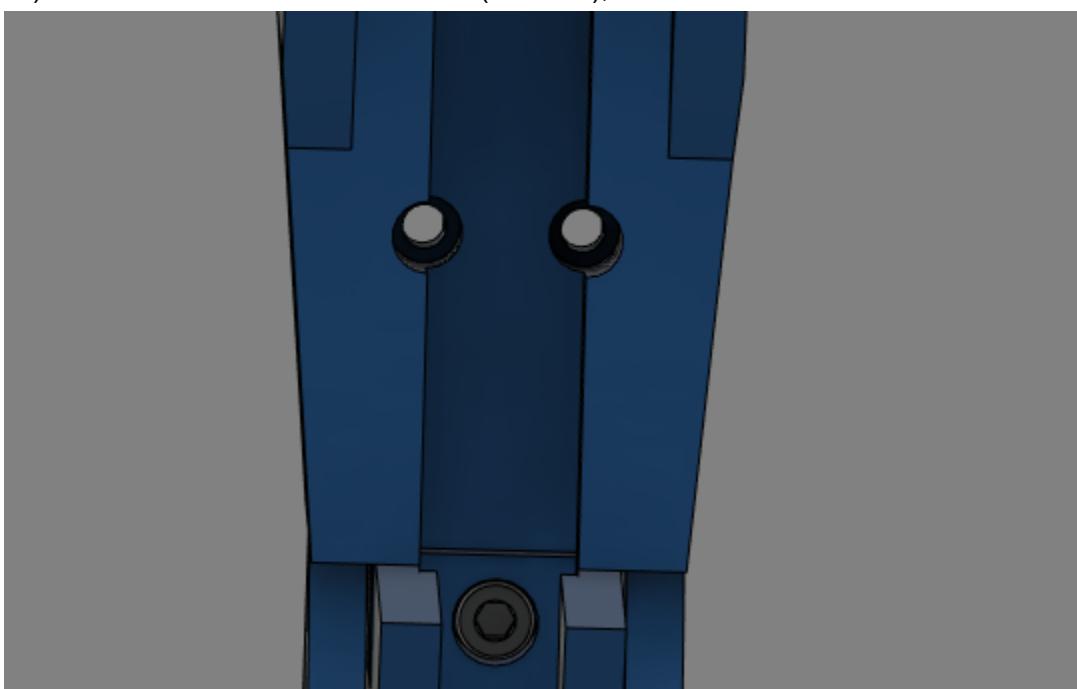




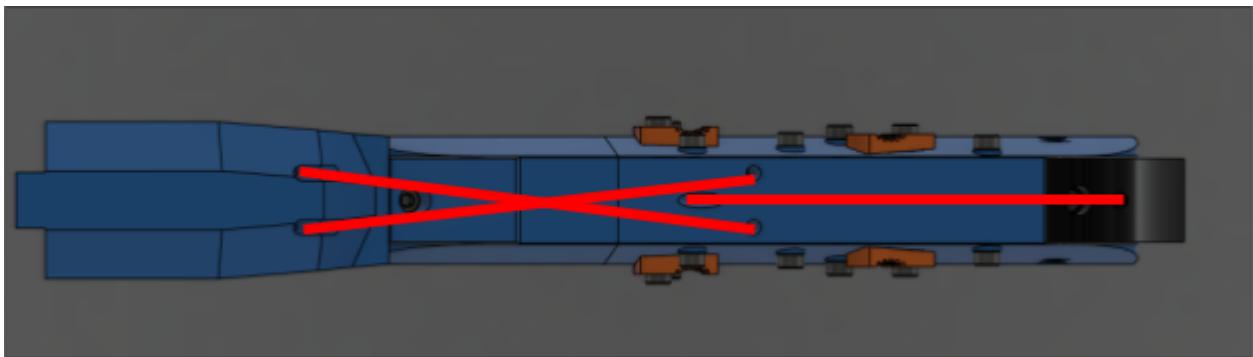




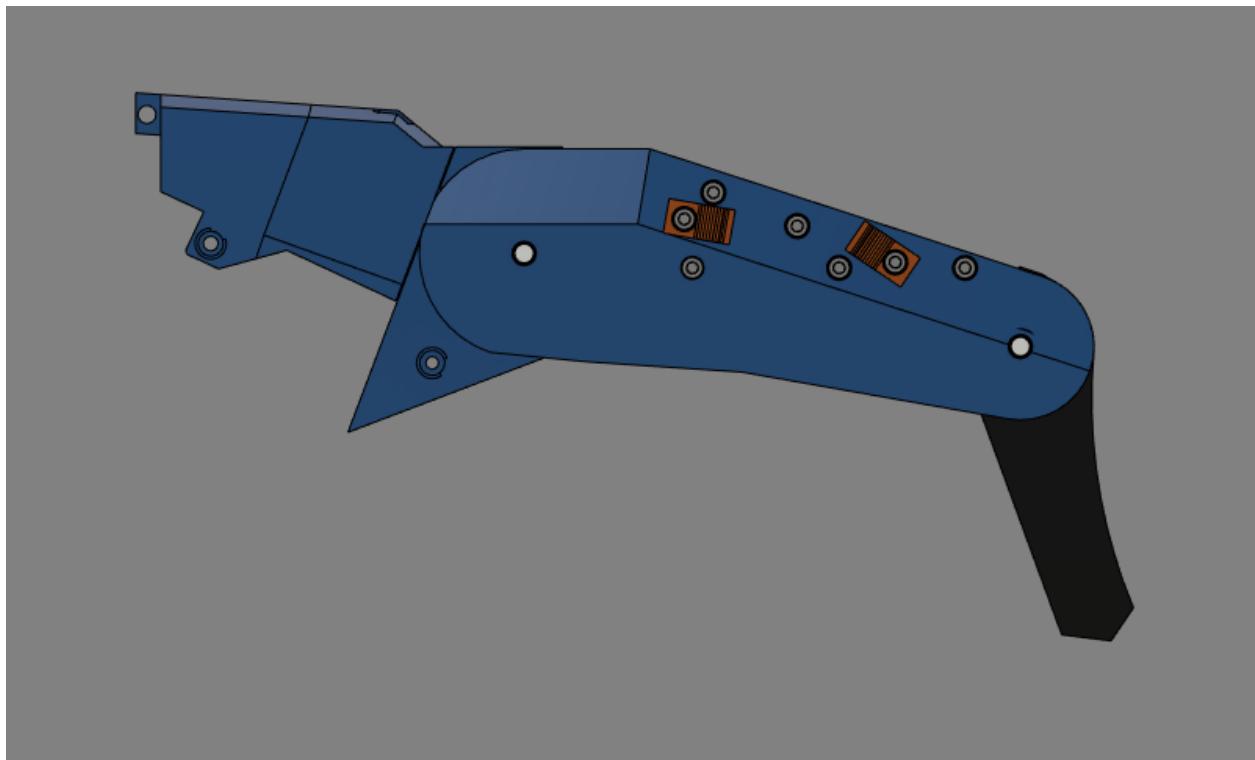
13) add the other set of stock elastic (crossed), tension and tie off.

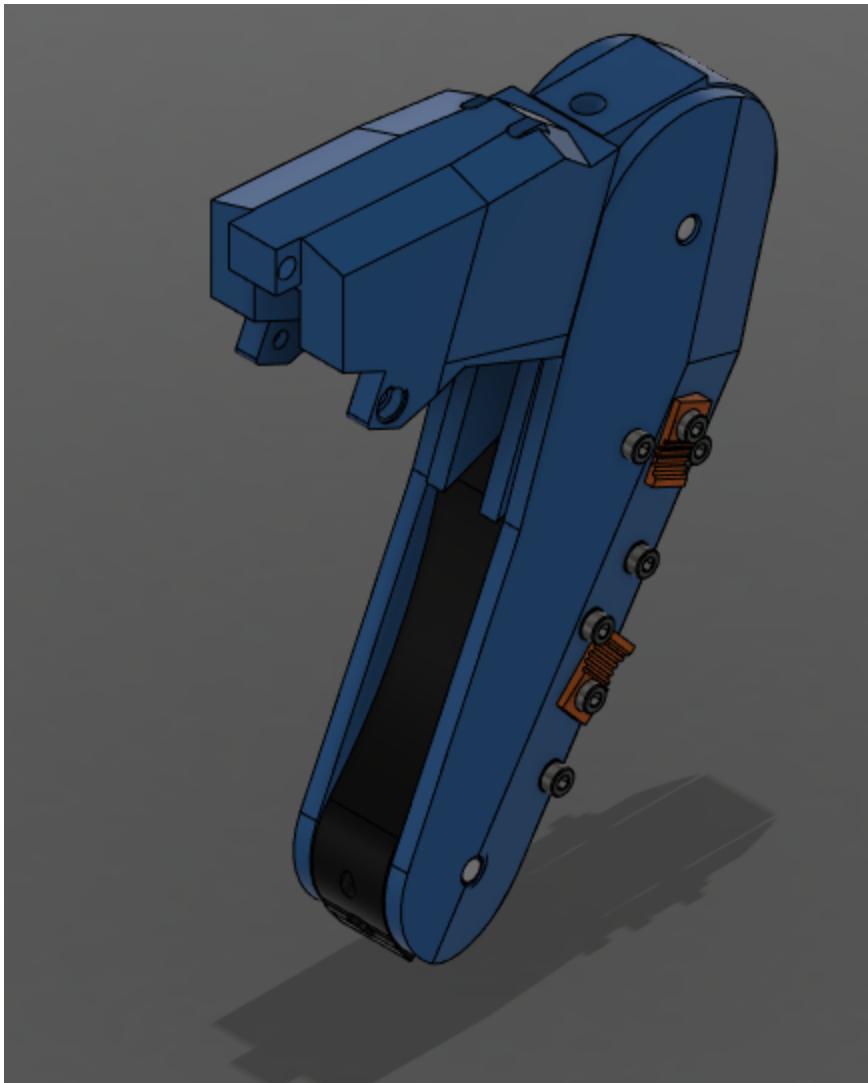


It should look like this:

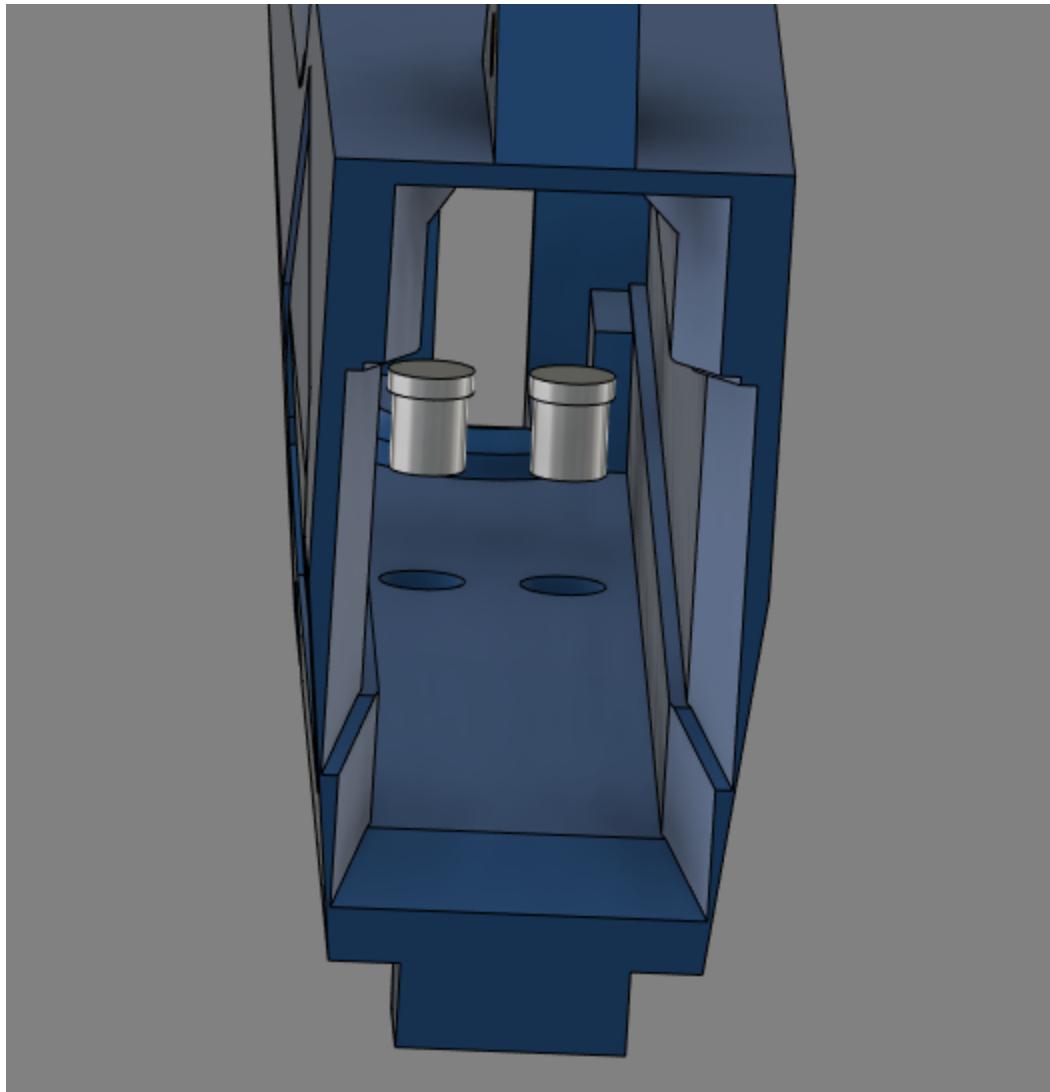


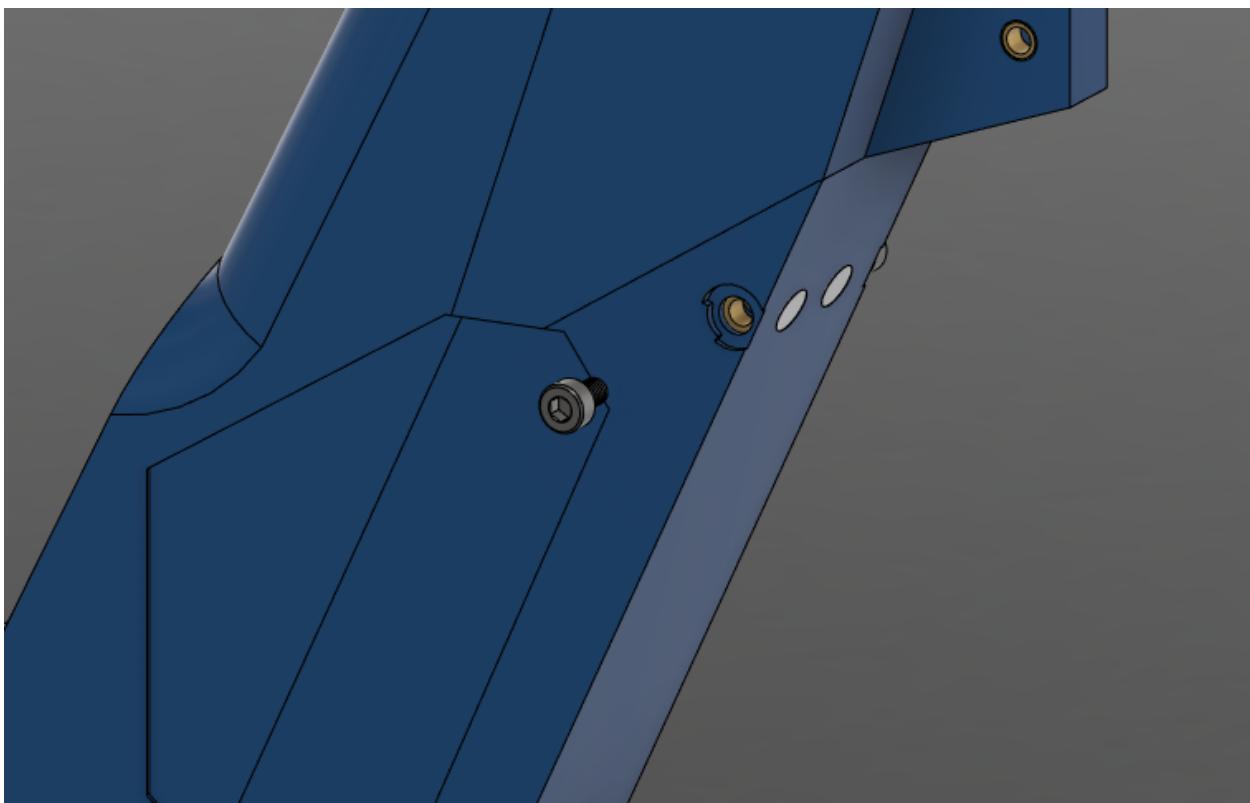
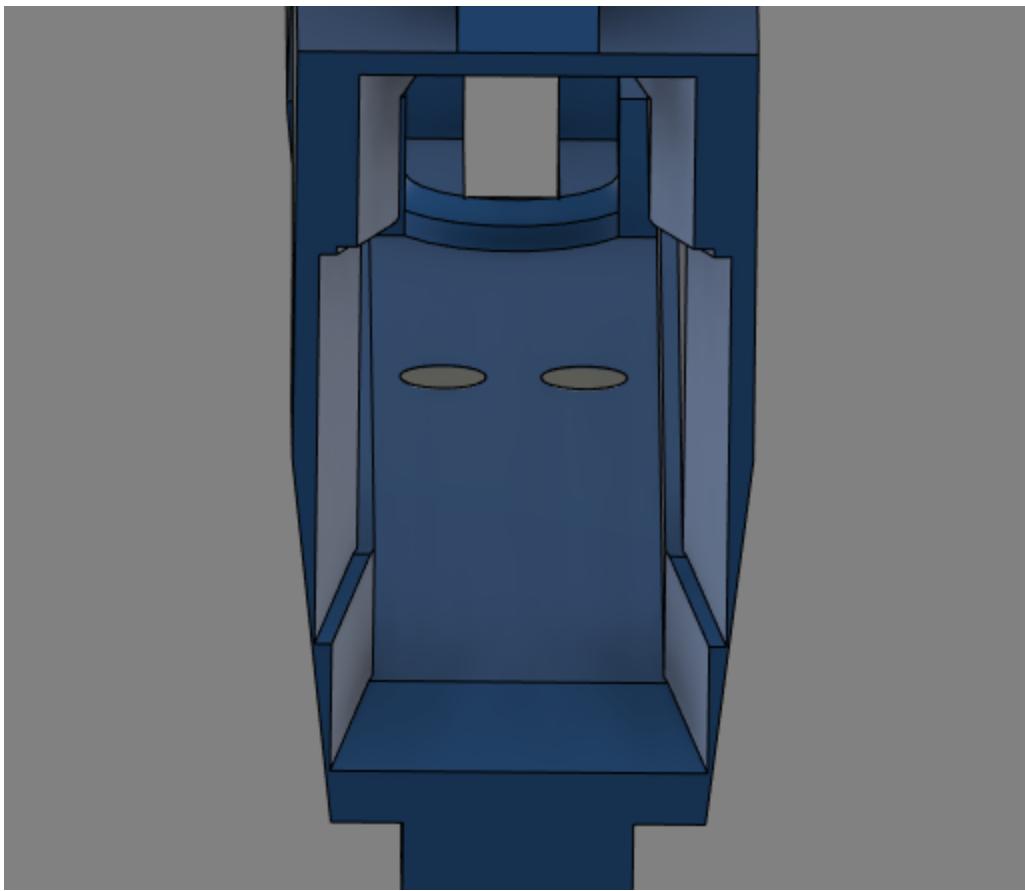
The stock assembly is now complete. You should be able to fold it by depressing both switches and manually folding, and then release it by pressing the top switch.

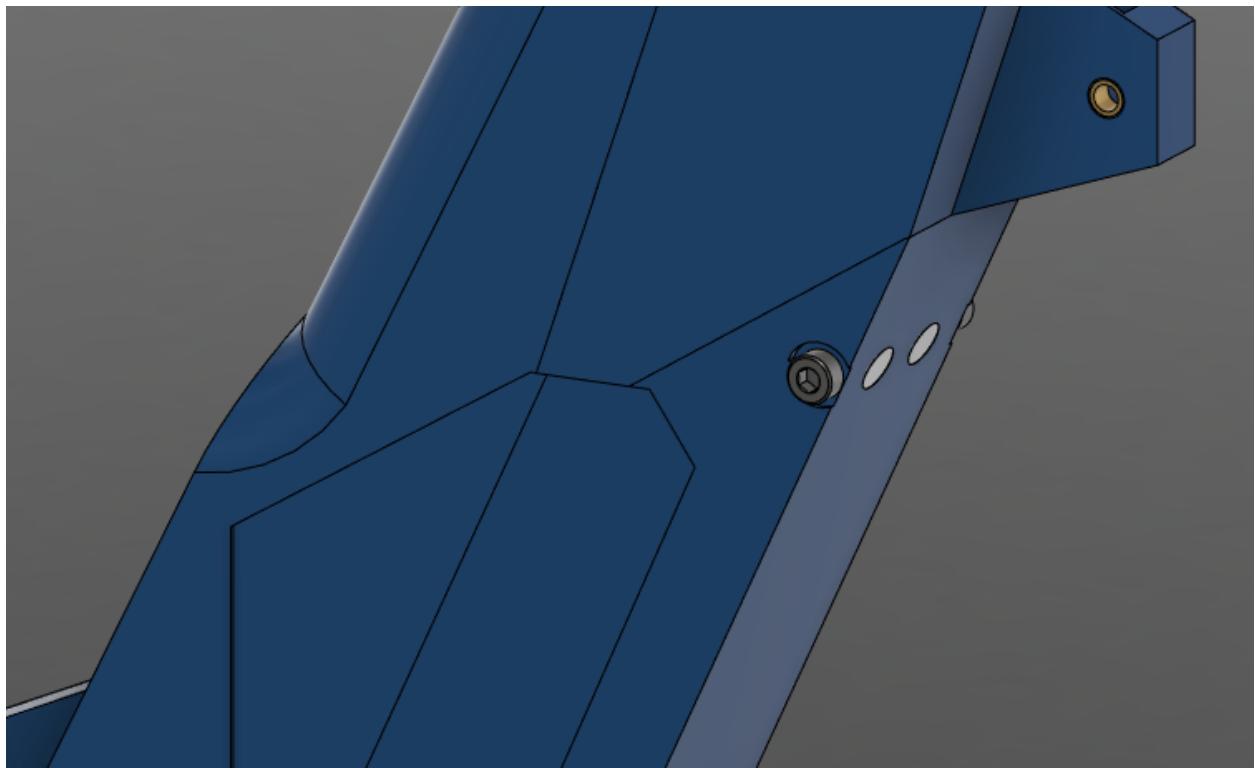


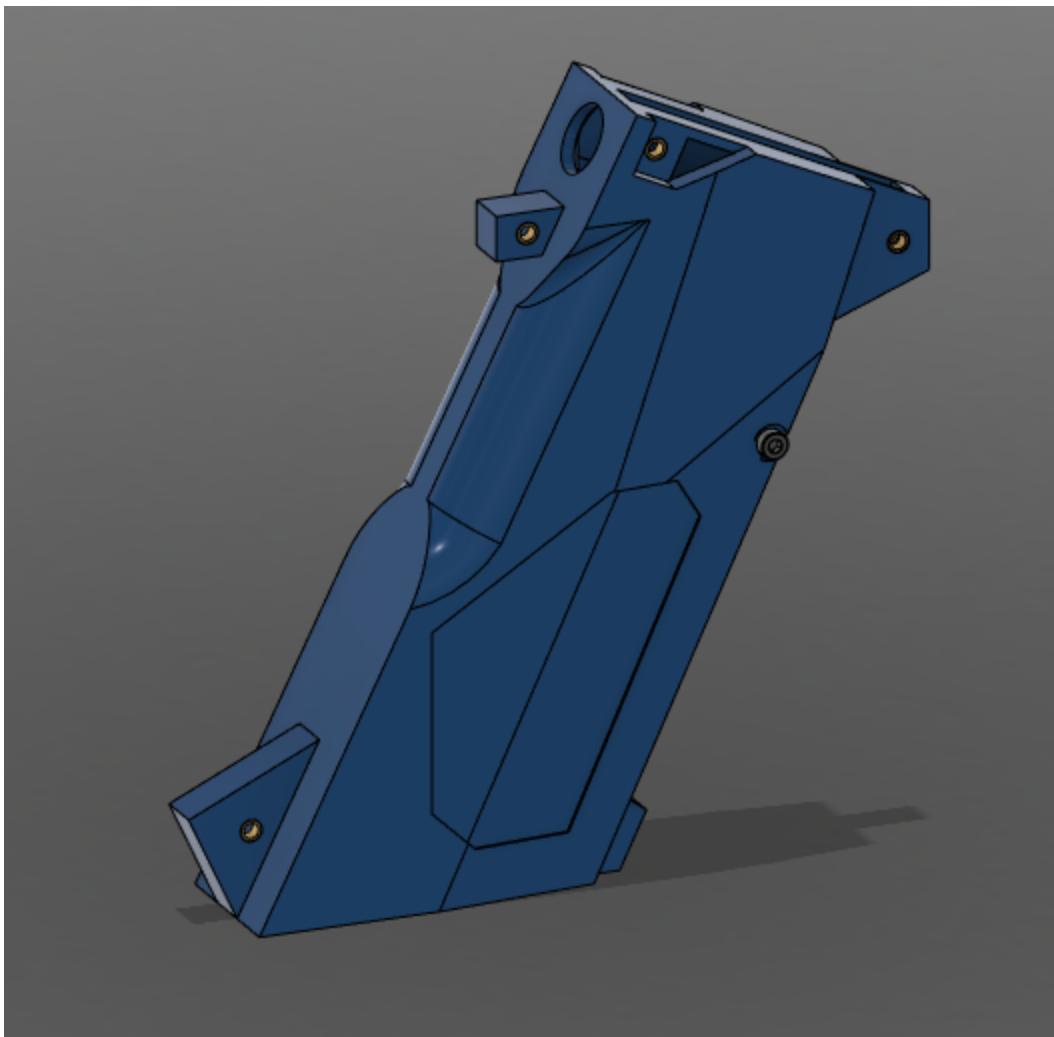


14) add the detents to the magwell. Use the **detenttool** to make this easier. Use 5mm screws from the side to retain them.

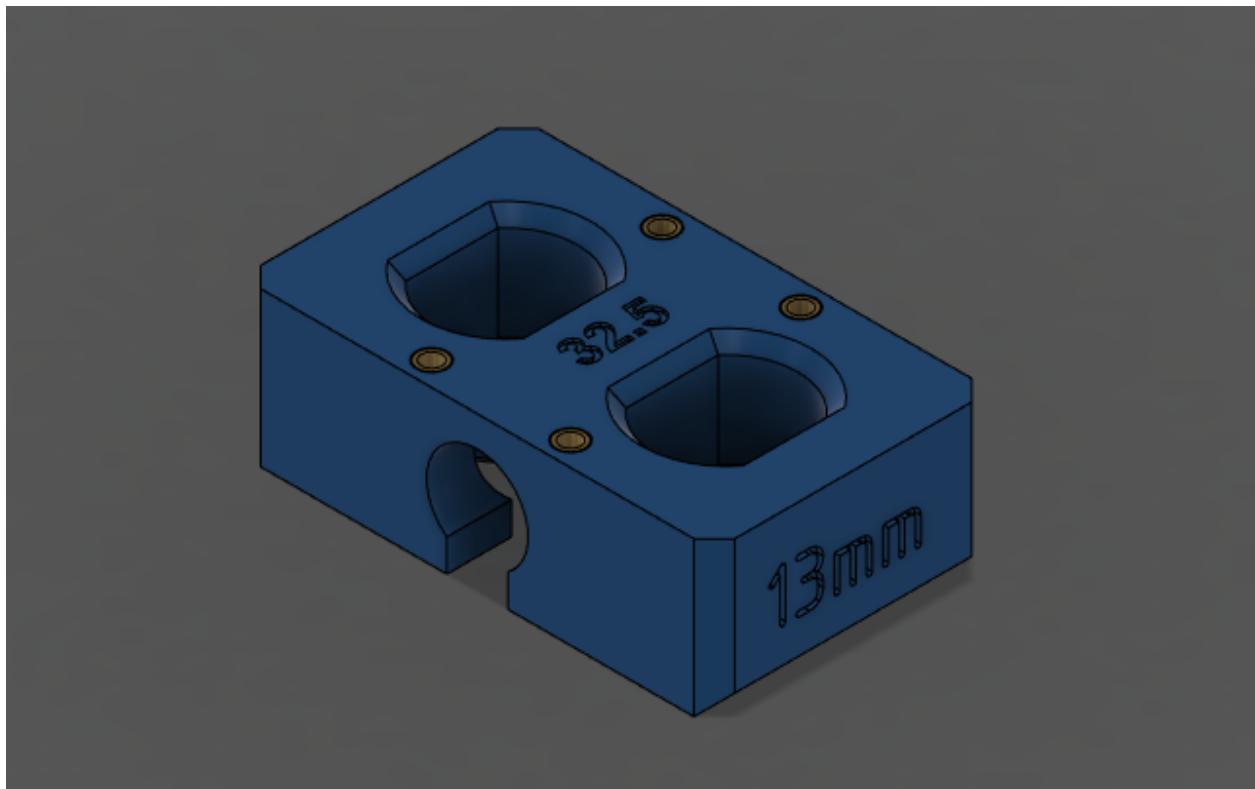


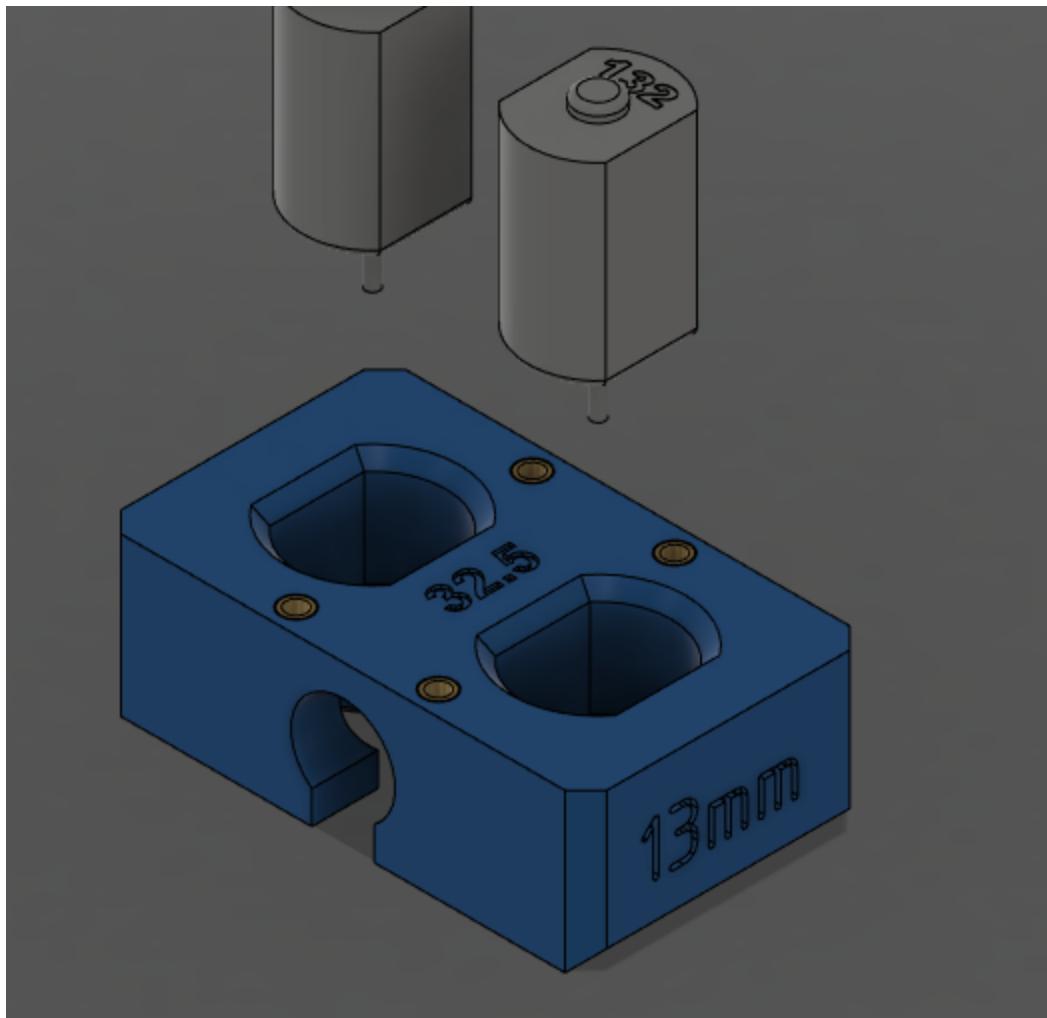


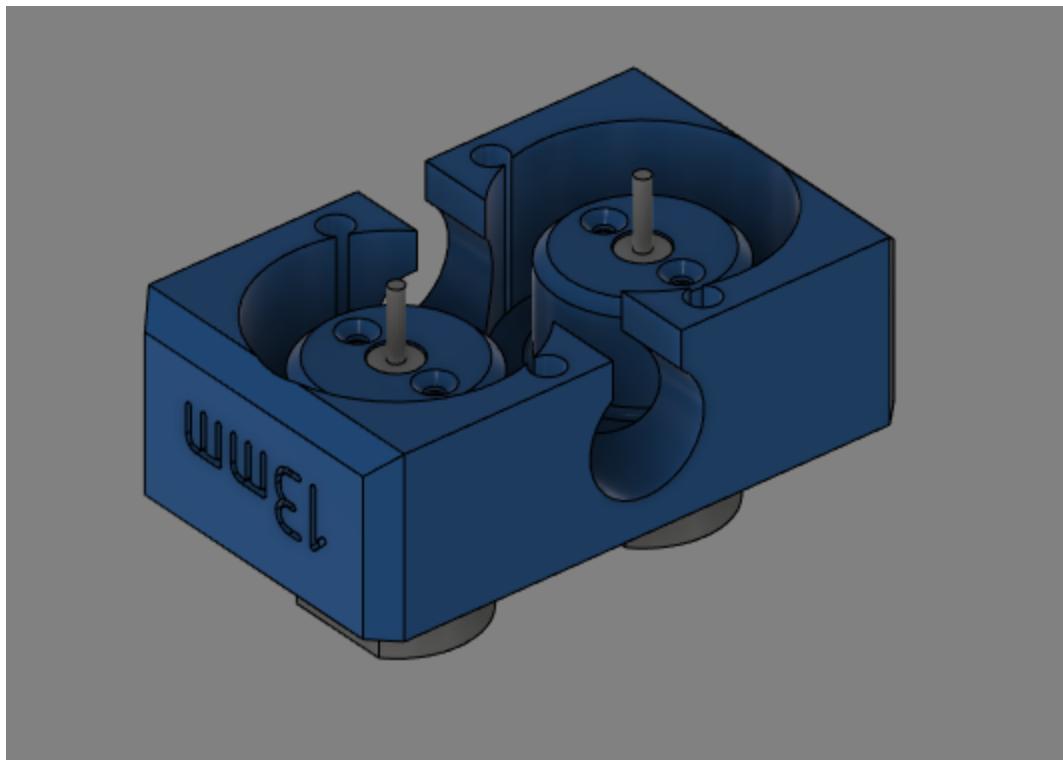


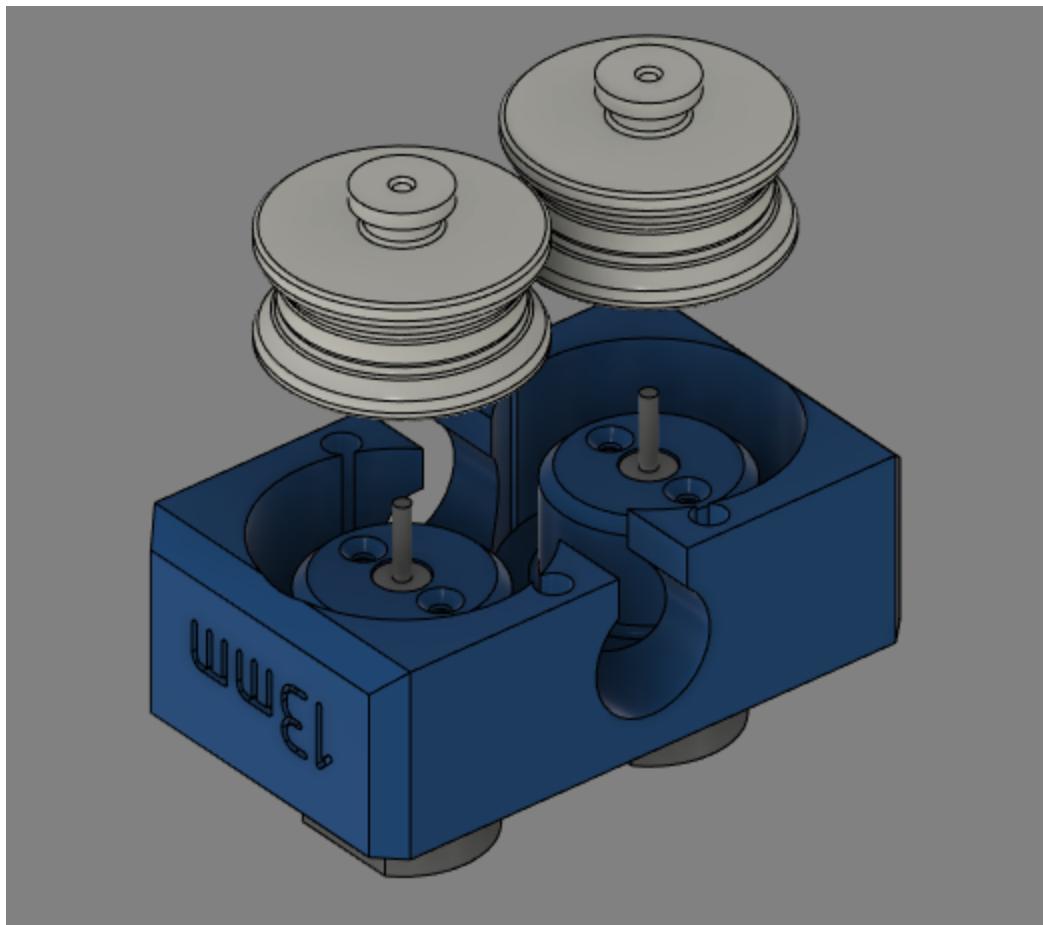


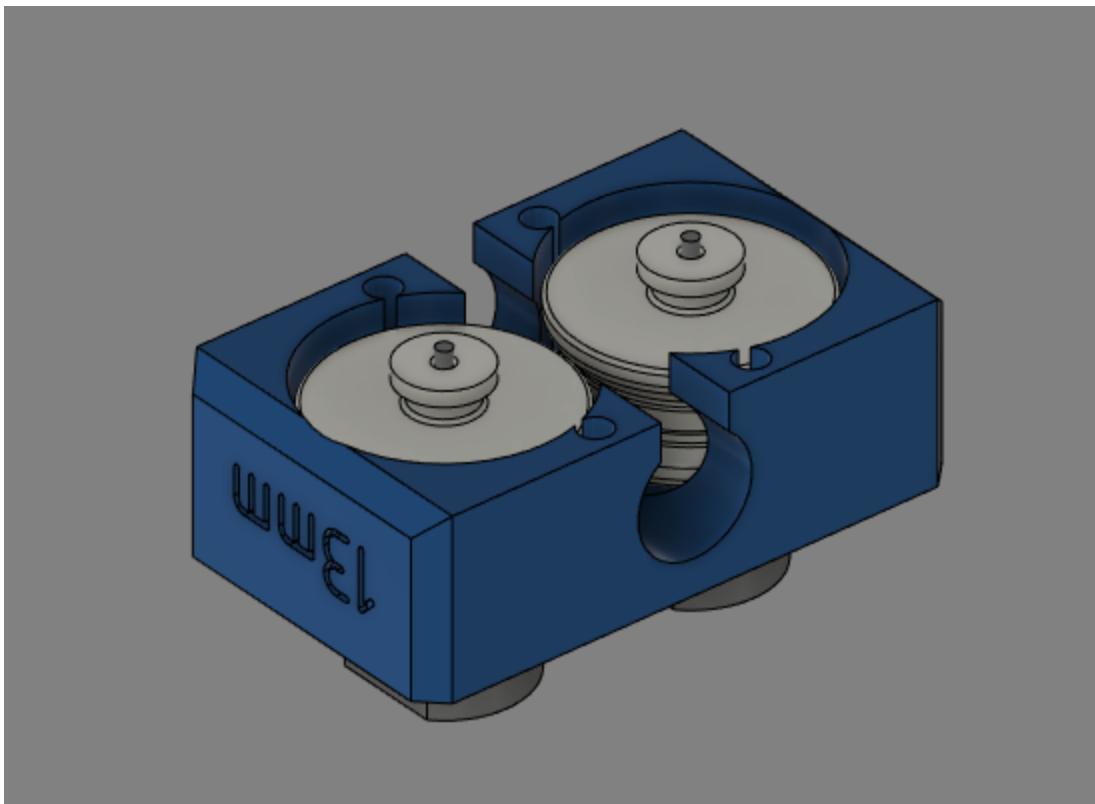
15) Add motors and wheels to **flywheel cage**. This would also be a good time to wire the motors. Motors are retained by screws not shown.



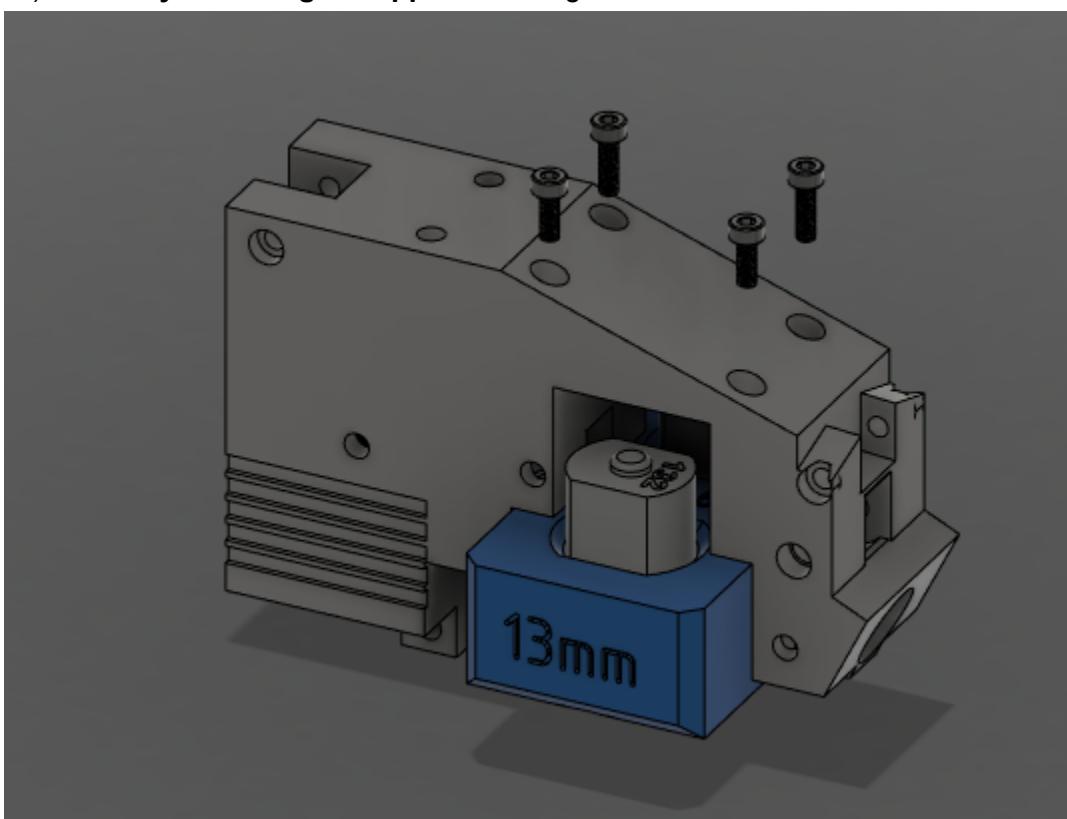




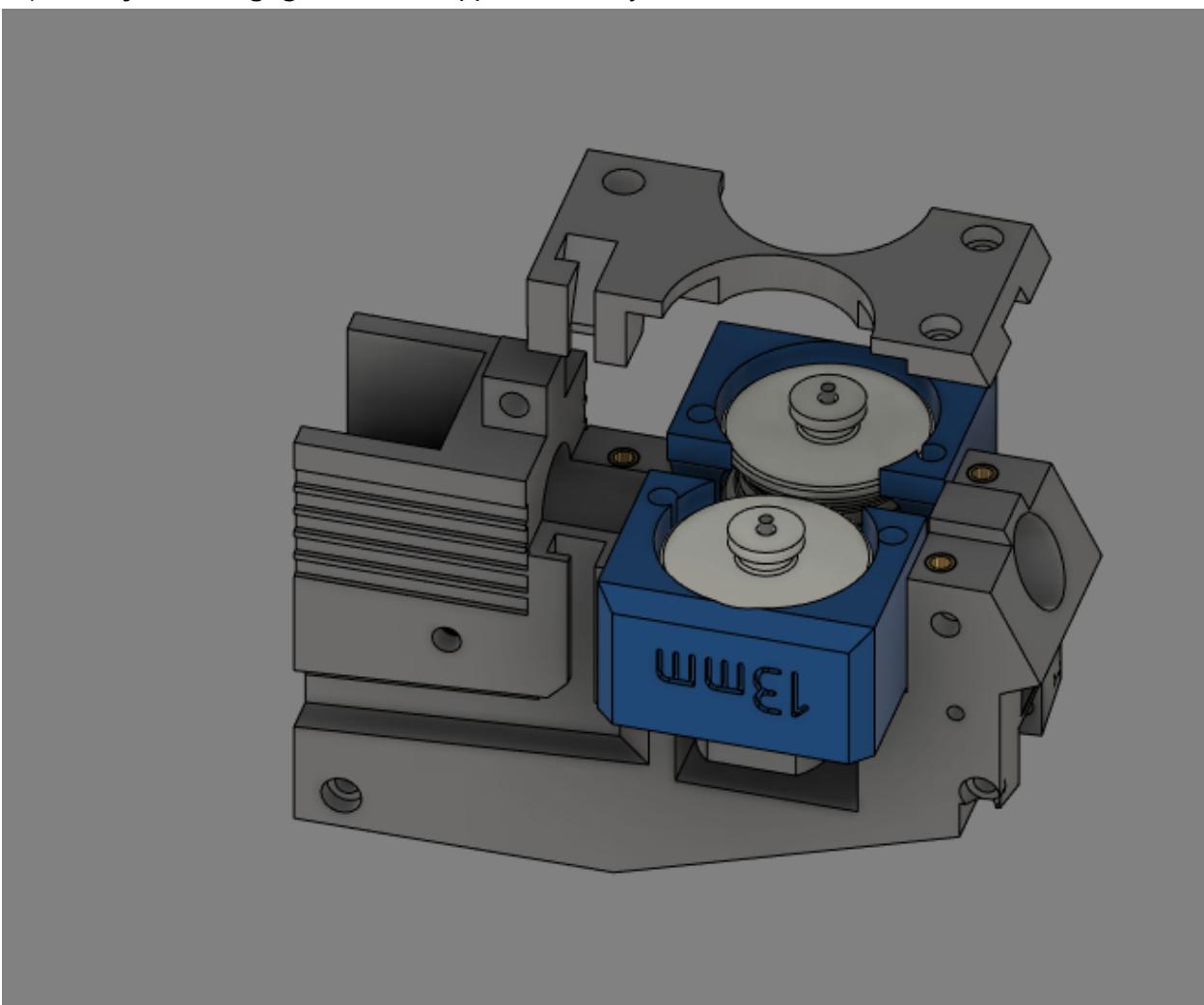


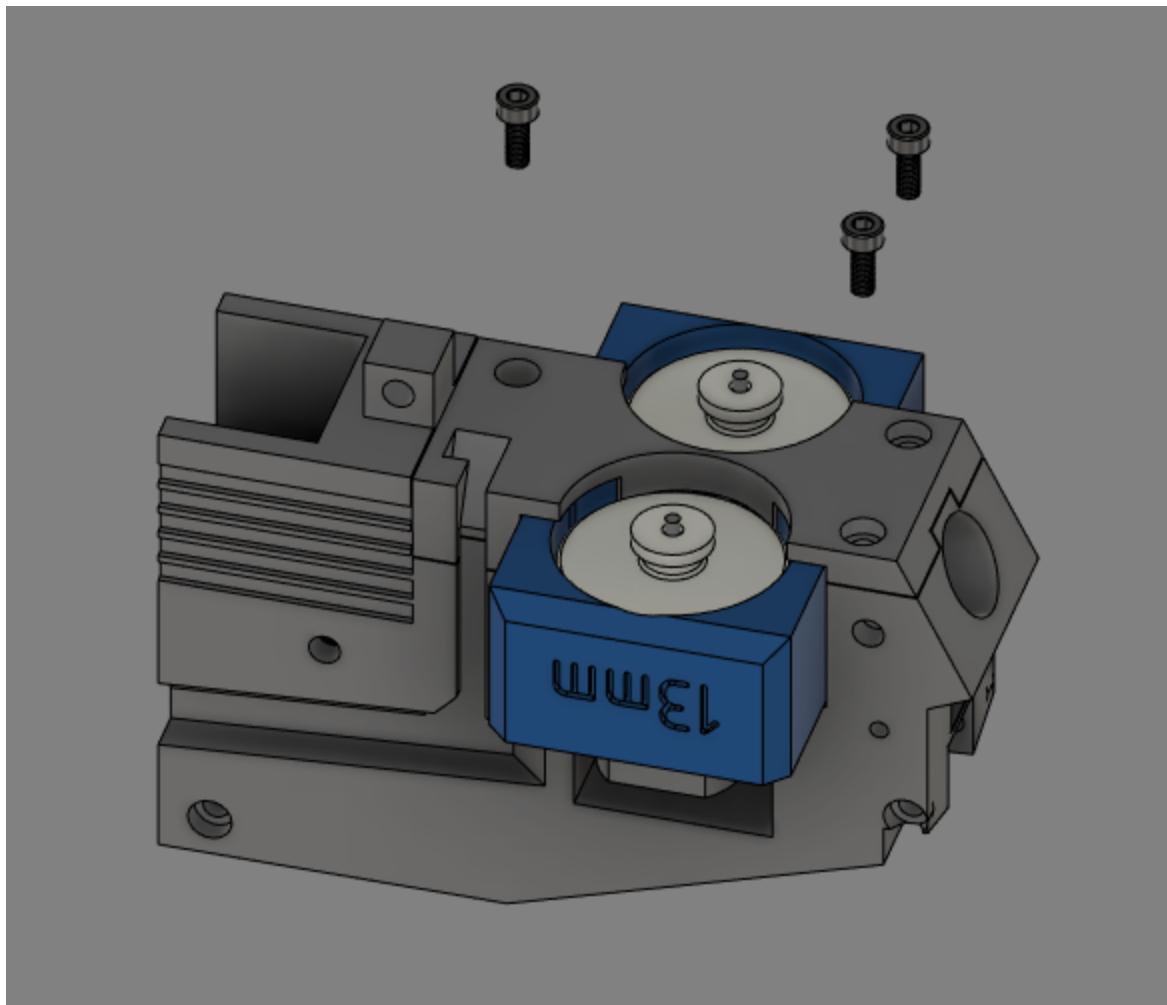


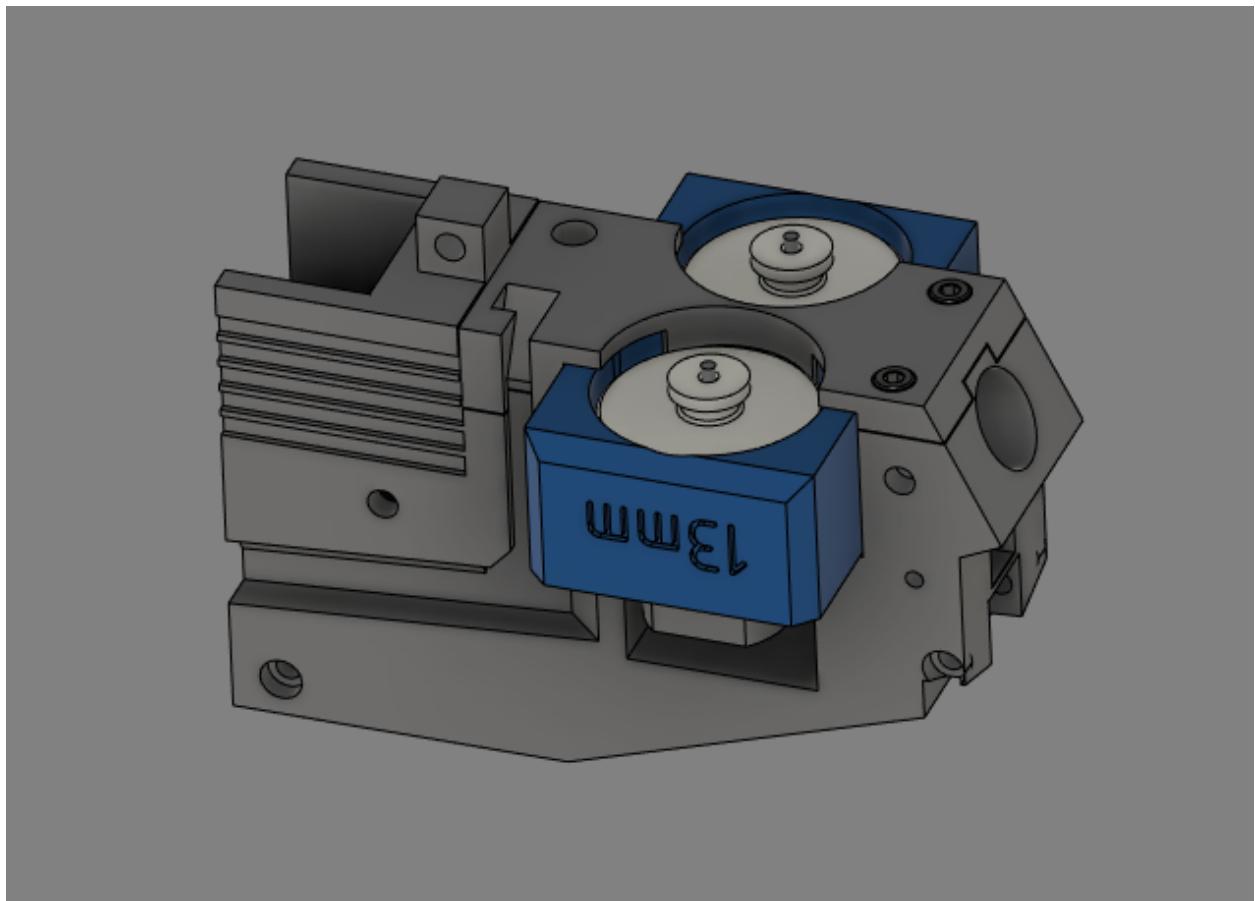
16) Attach **flywheel cage** to **upper**, securing it with the four screws shown.



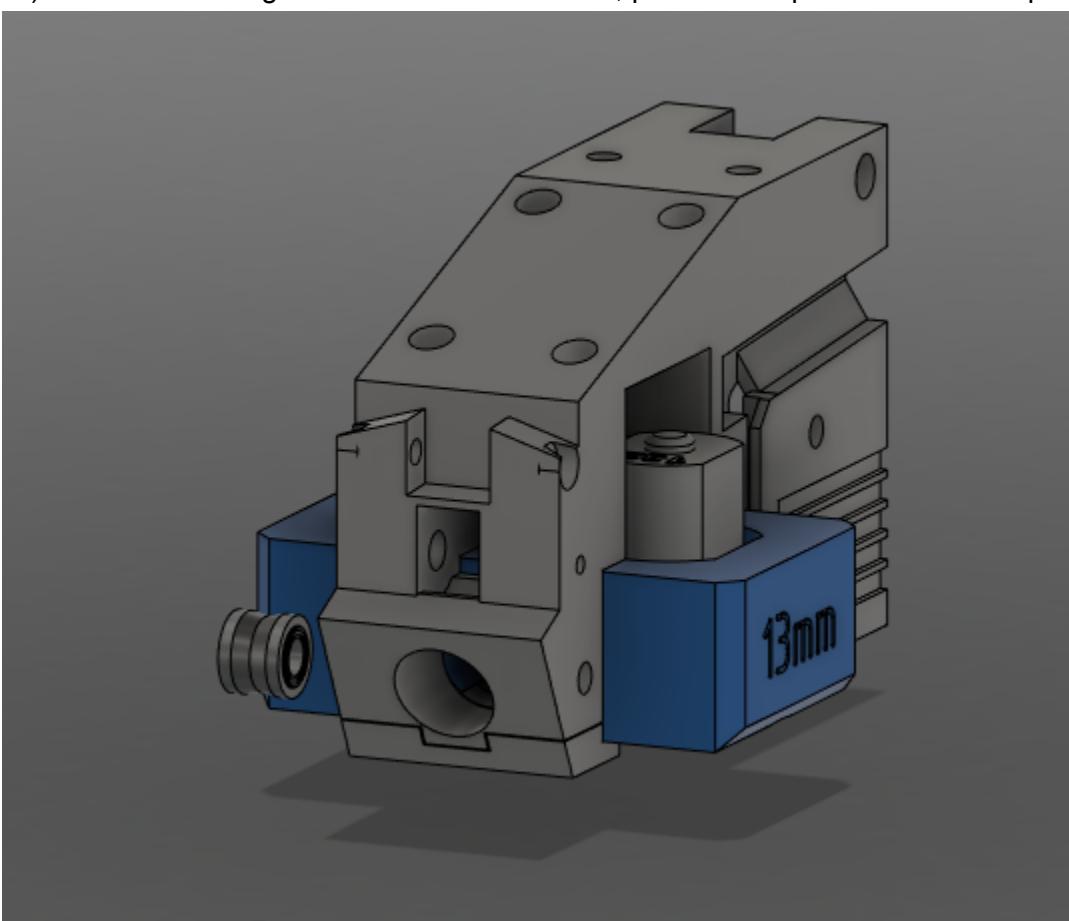
17) Add **flywheelcageguide** to the upper assembly, it is held in with the three screws shown.

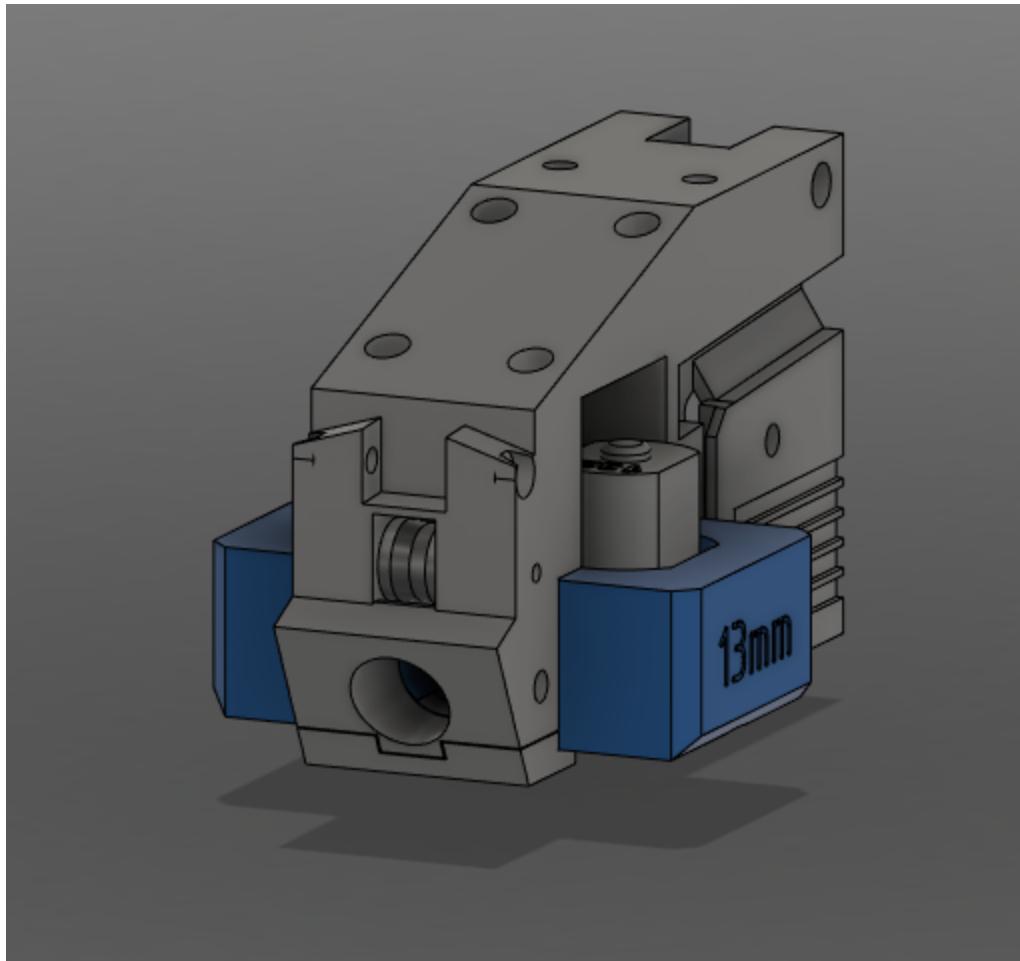


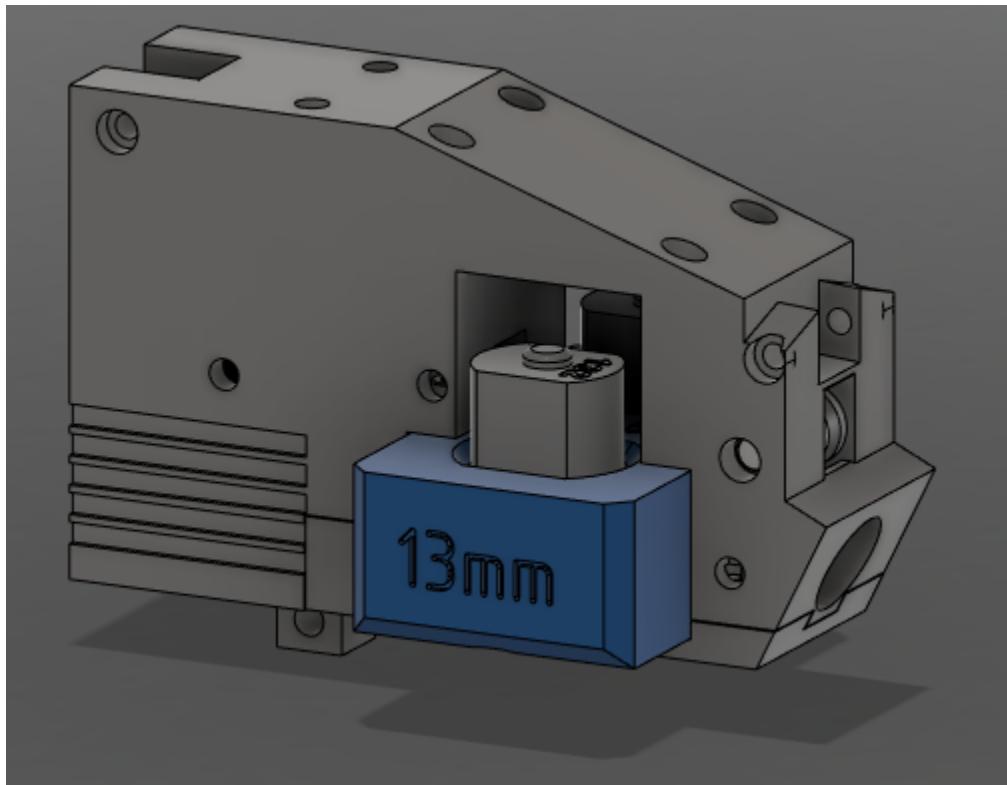
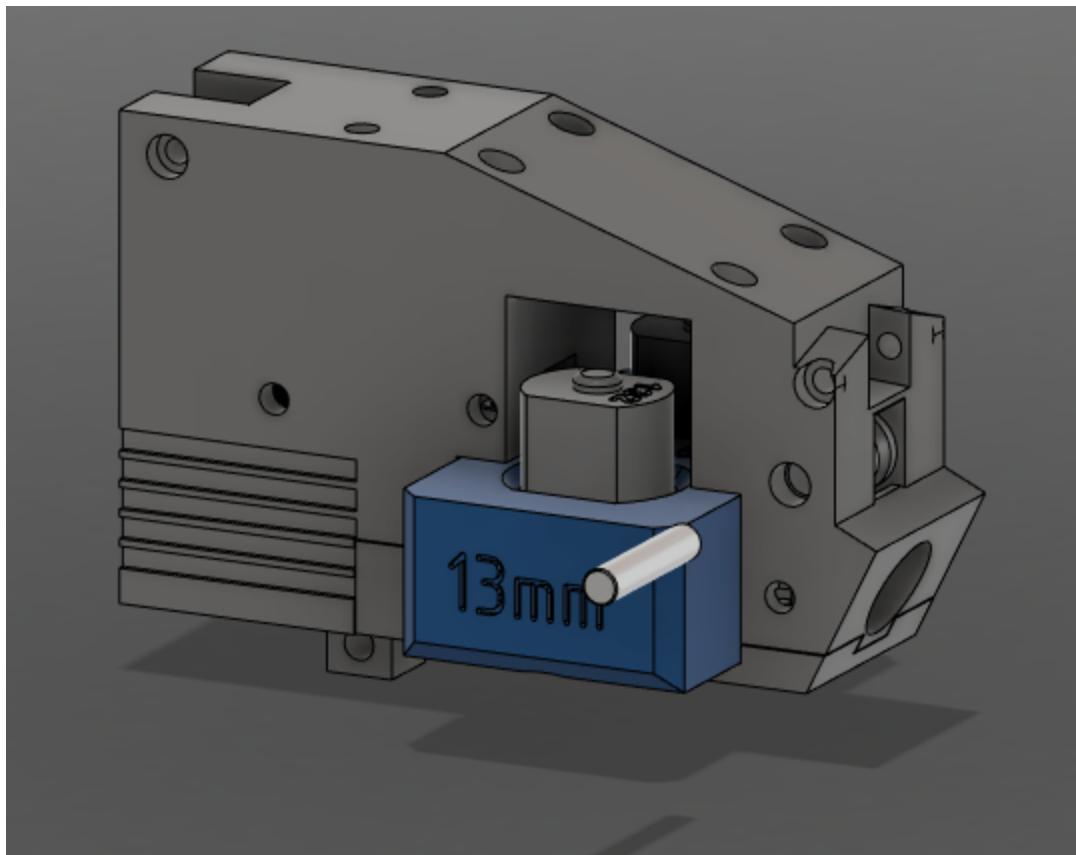




18) Push one bearing into one side of the **roller**, pin **roller** in place with a 5mm pin.







19) Secure **gripright** to **gripframe** with screws shown

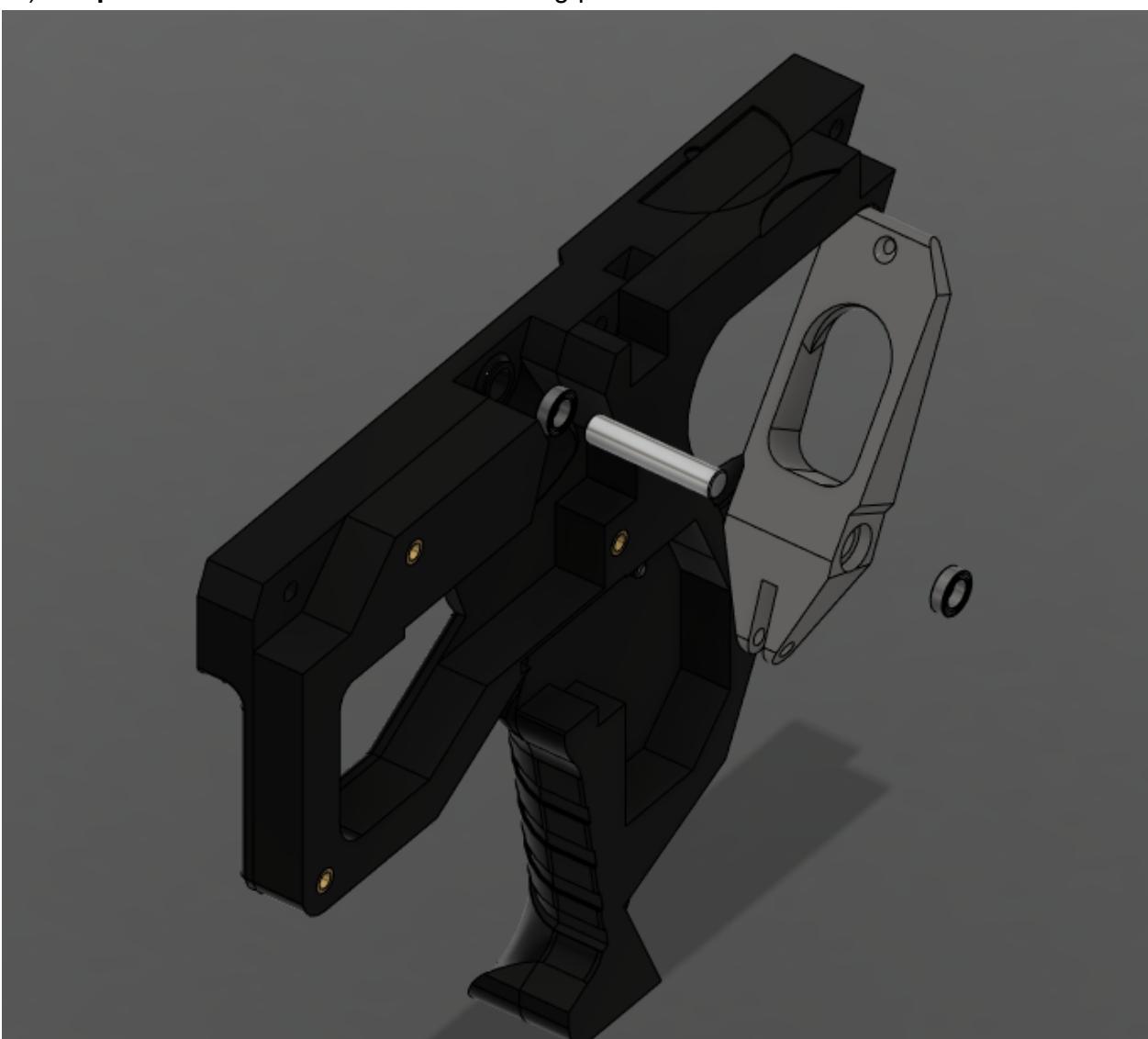




20) Add two switch retention screws as shown.

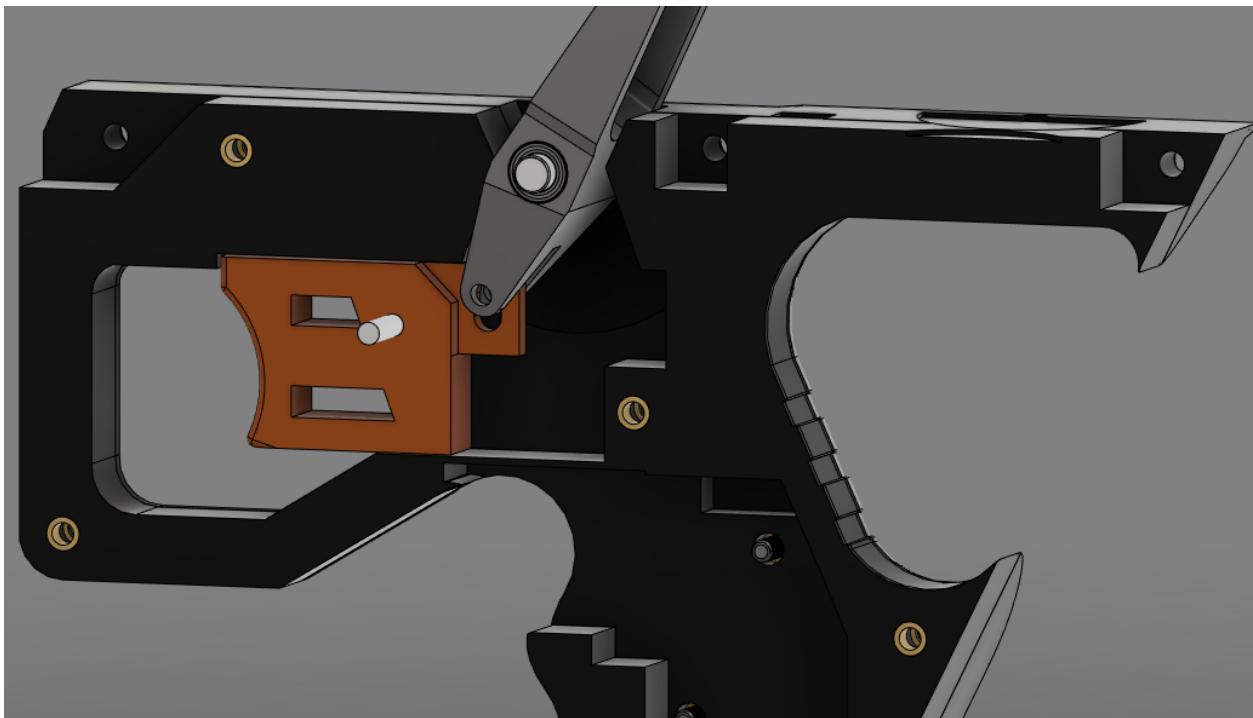


21) add **pusherlever** and its associated bearing-pin stack

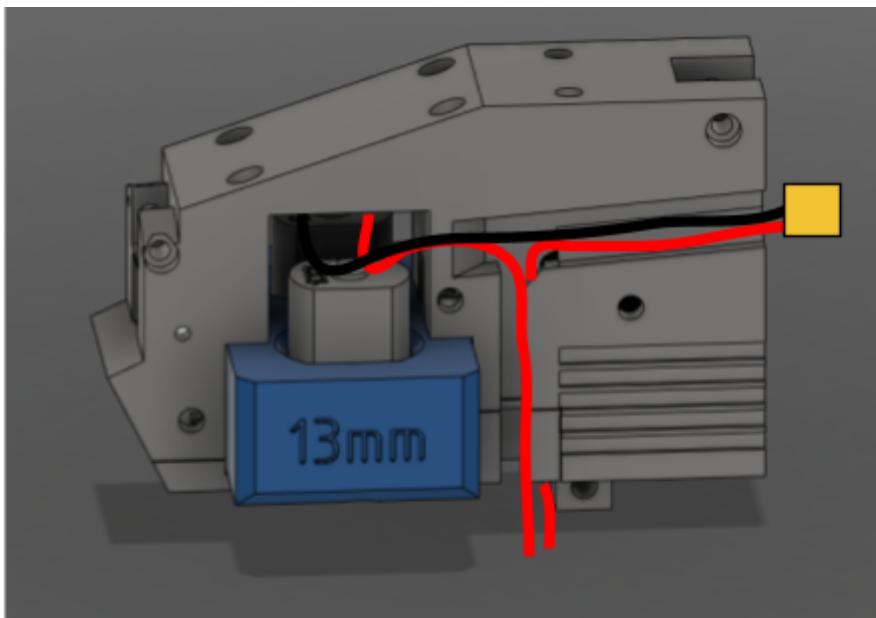




22) insert **trigger** and pin in place. Make sure it is able to slide freely and rotates **pusherlever** correctly



This would be a good time to run the wires down to the grip and wire the switch in. It should look something like this picture when you're done with it.



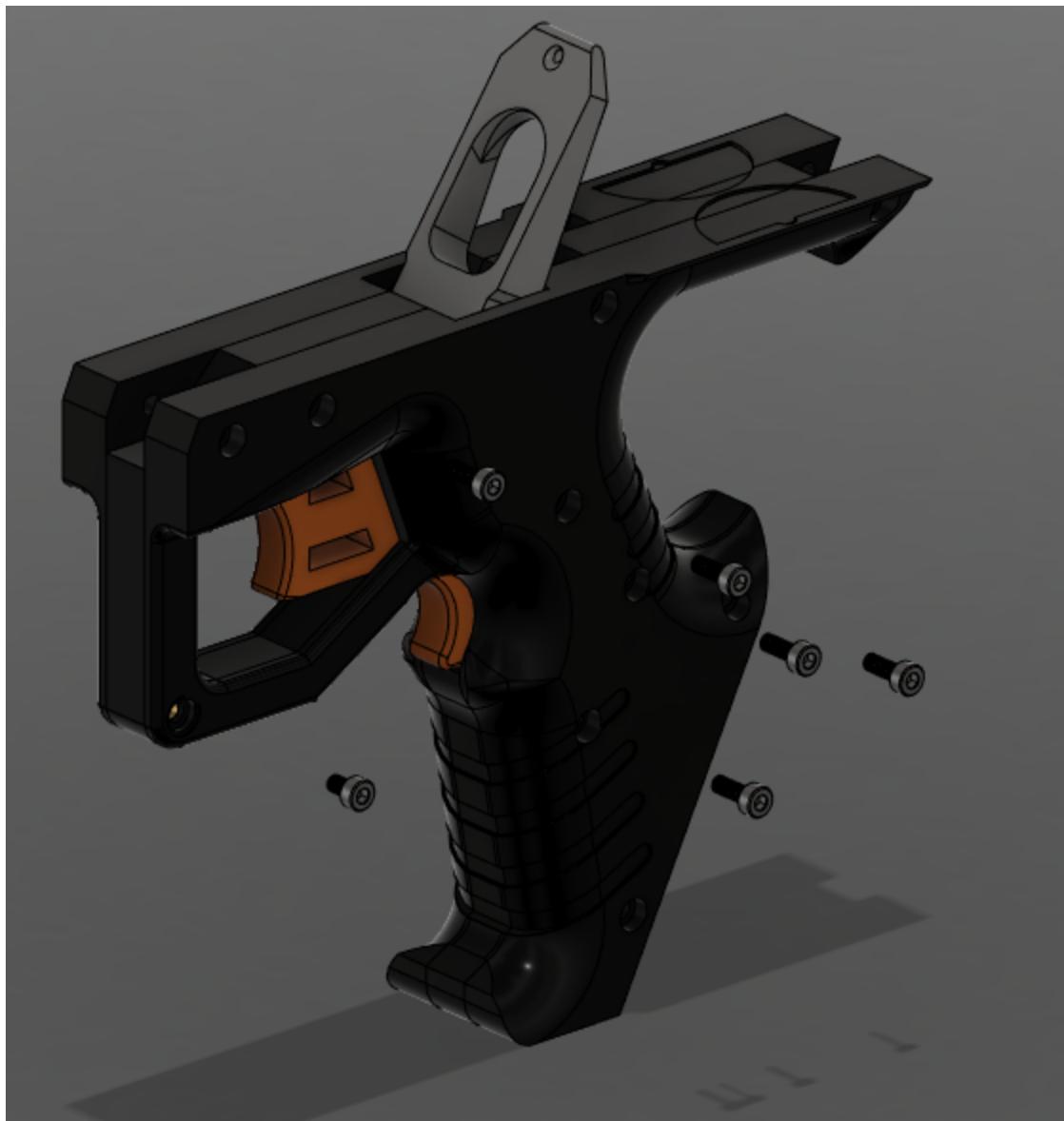
23) Add **revtrigger**



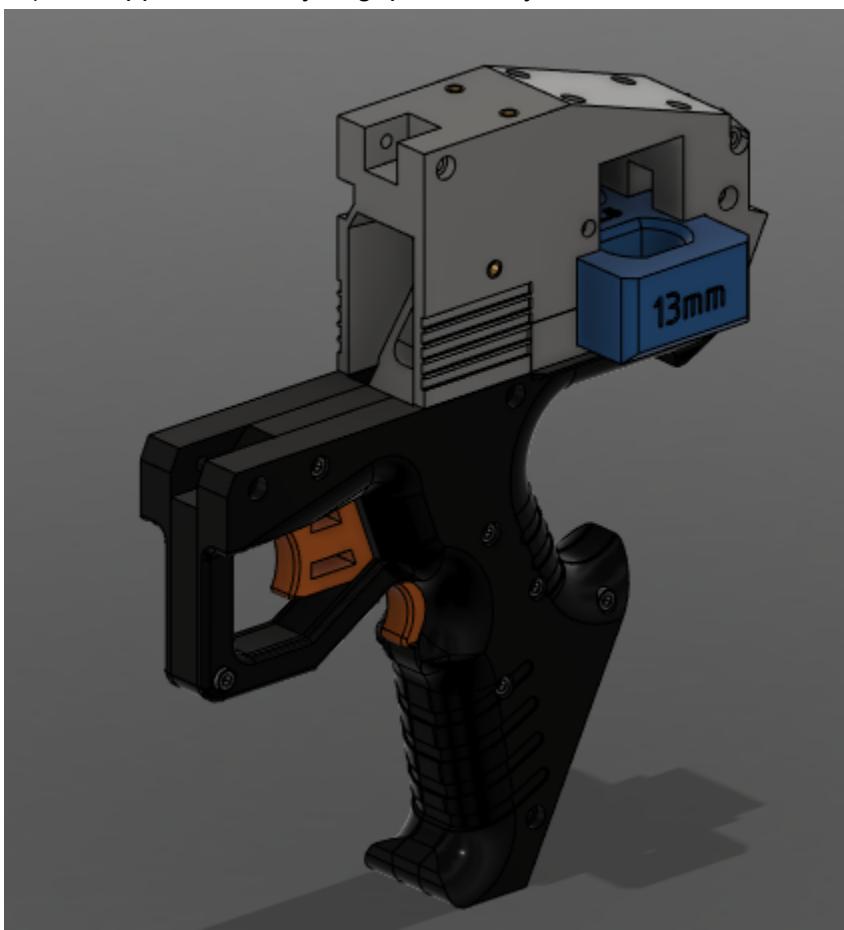


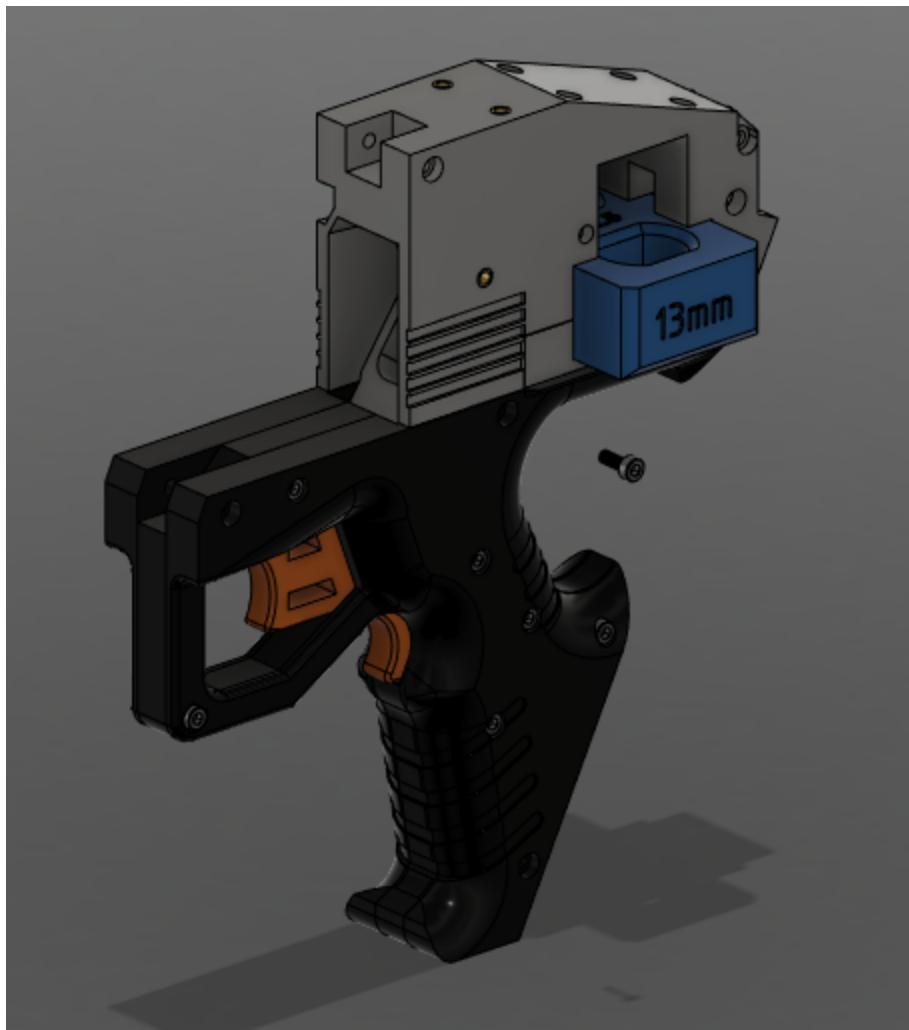
24) add **gropleft**, make sure the pivot pin lines up with the hole. Screw together with screws shown.

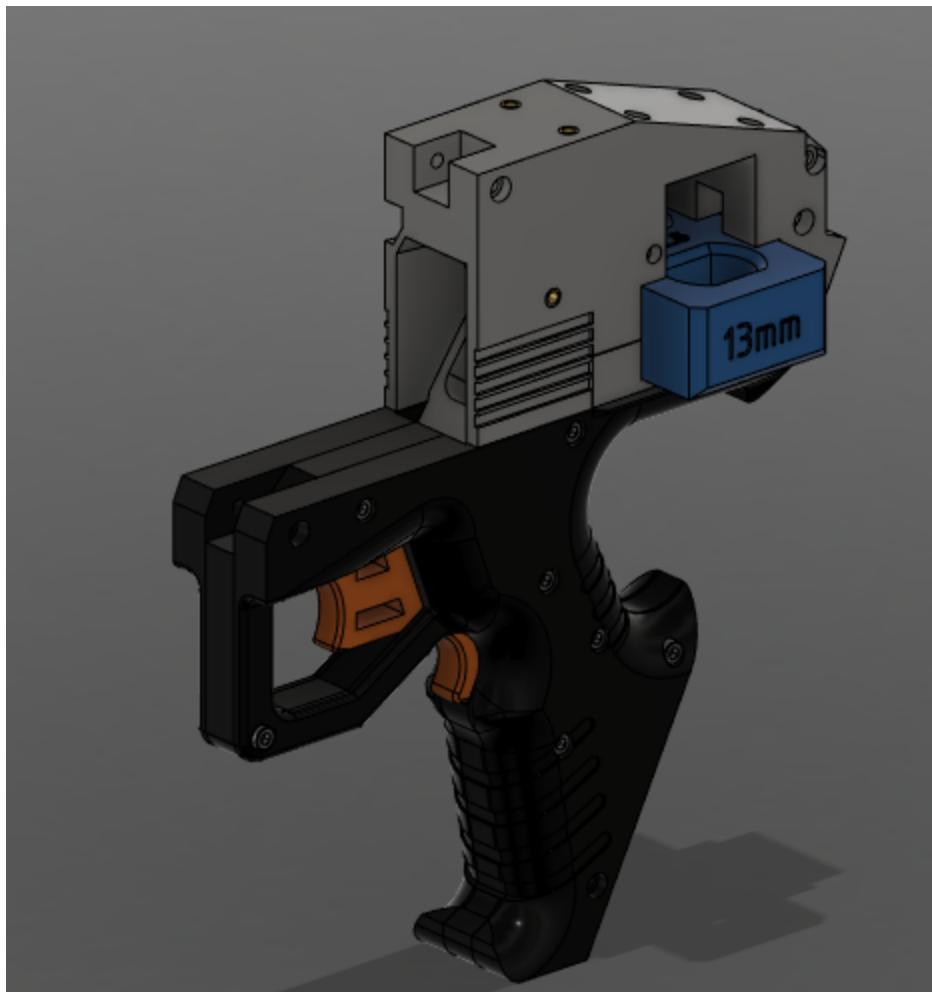




25) Add upper assembly to grip assembly. Secure with screws shown.





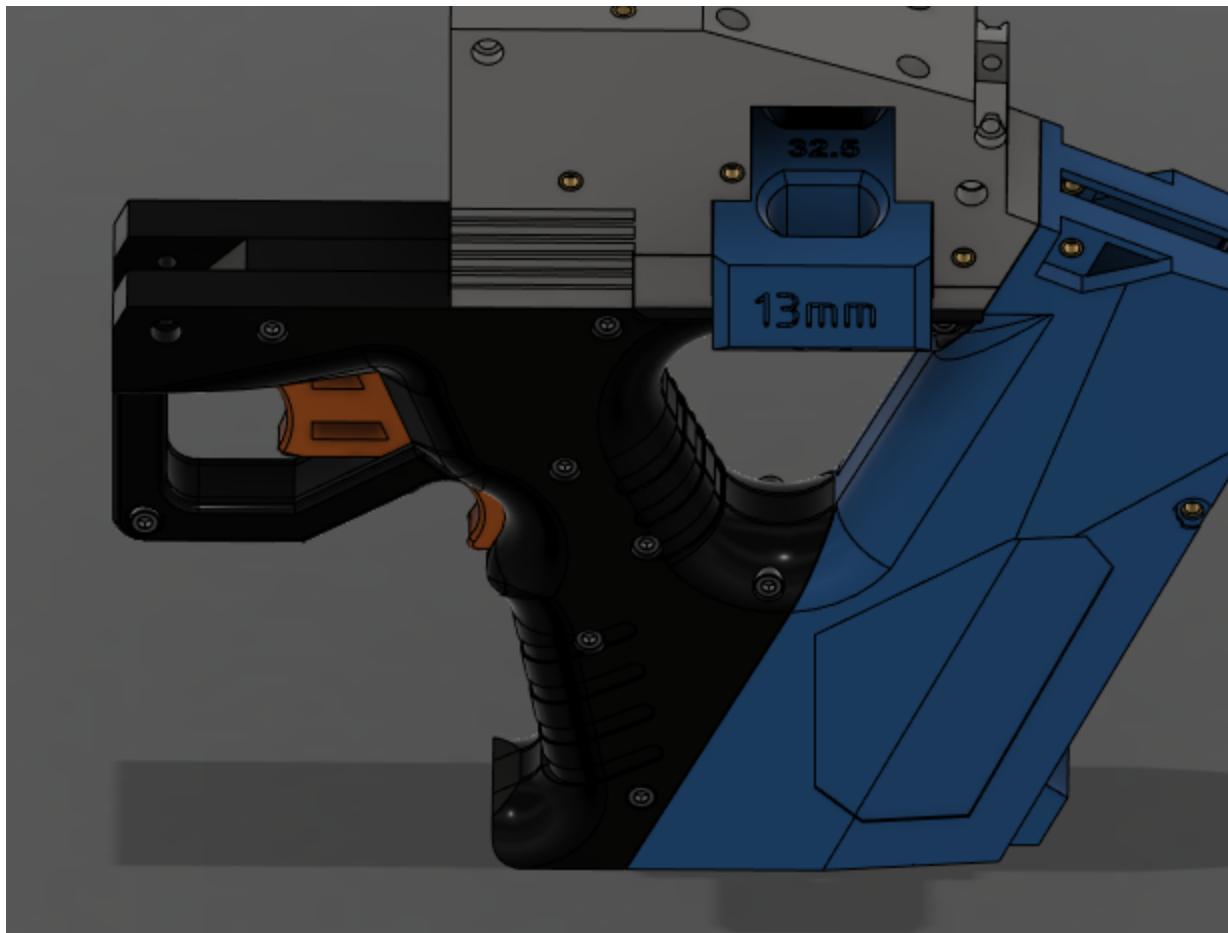


26) Add **magwell** to assembly. Secure with screws shown.

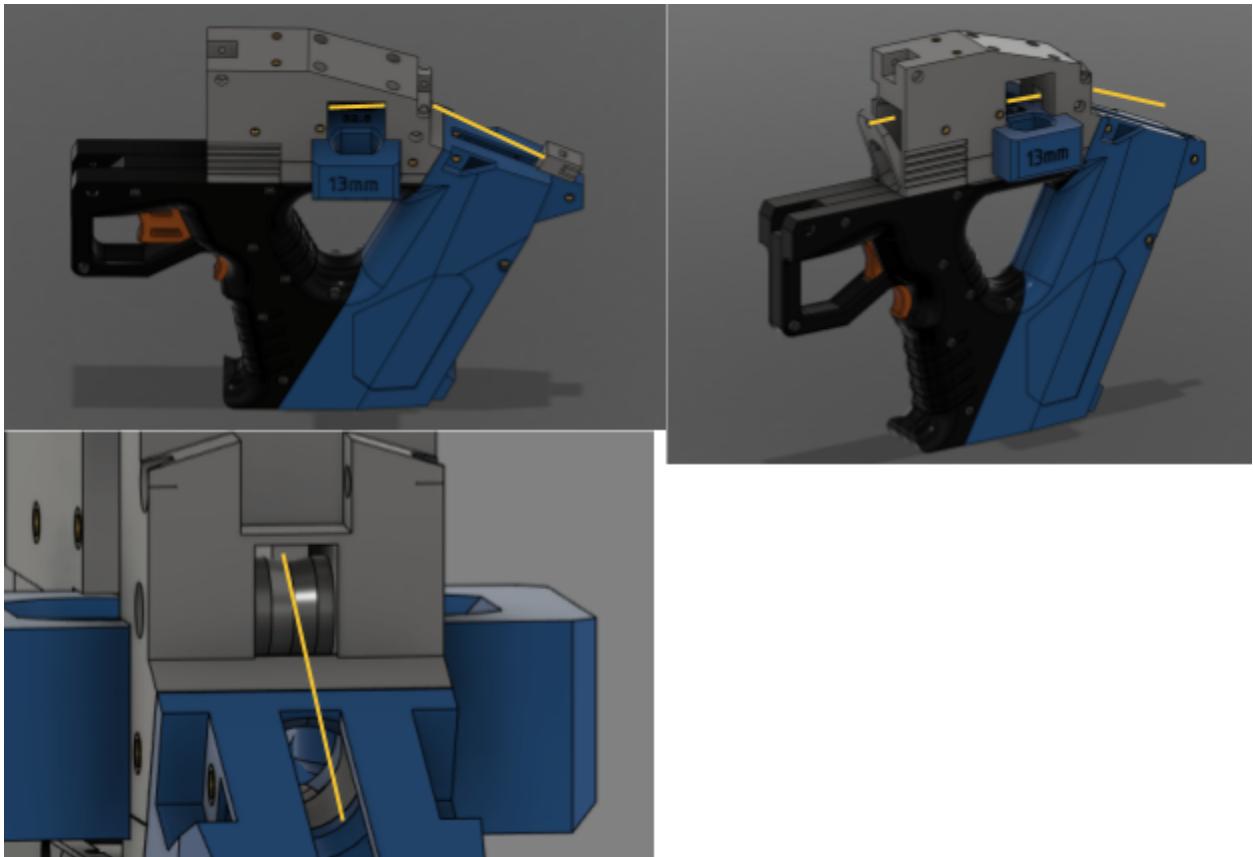




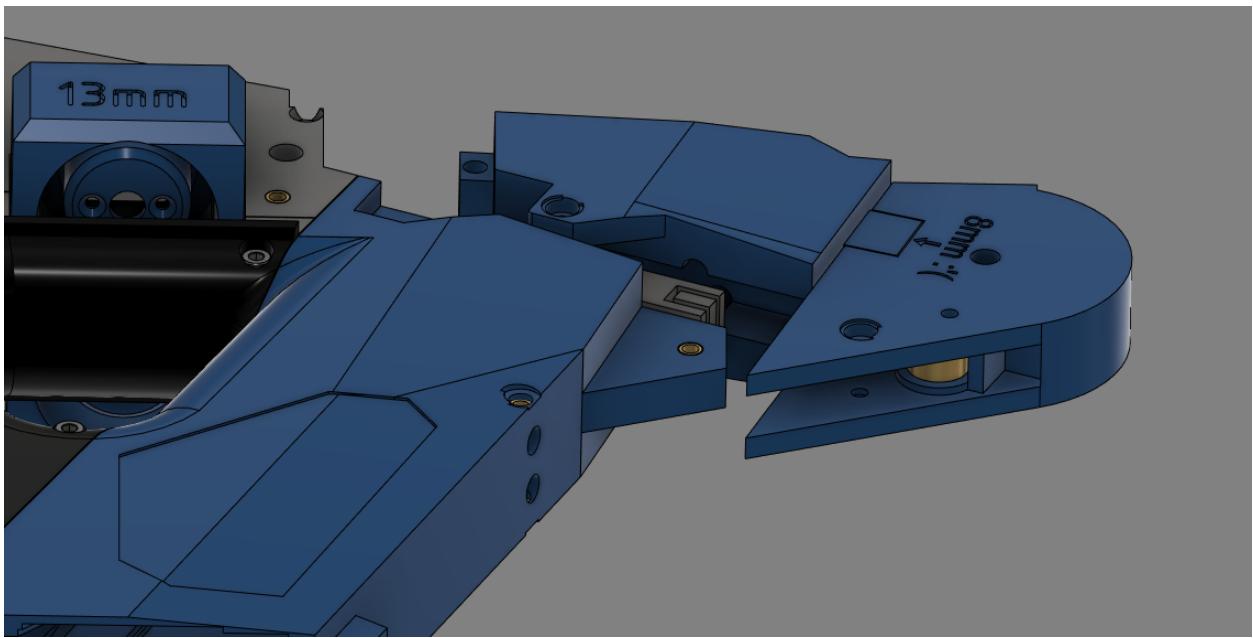


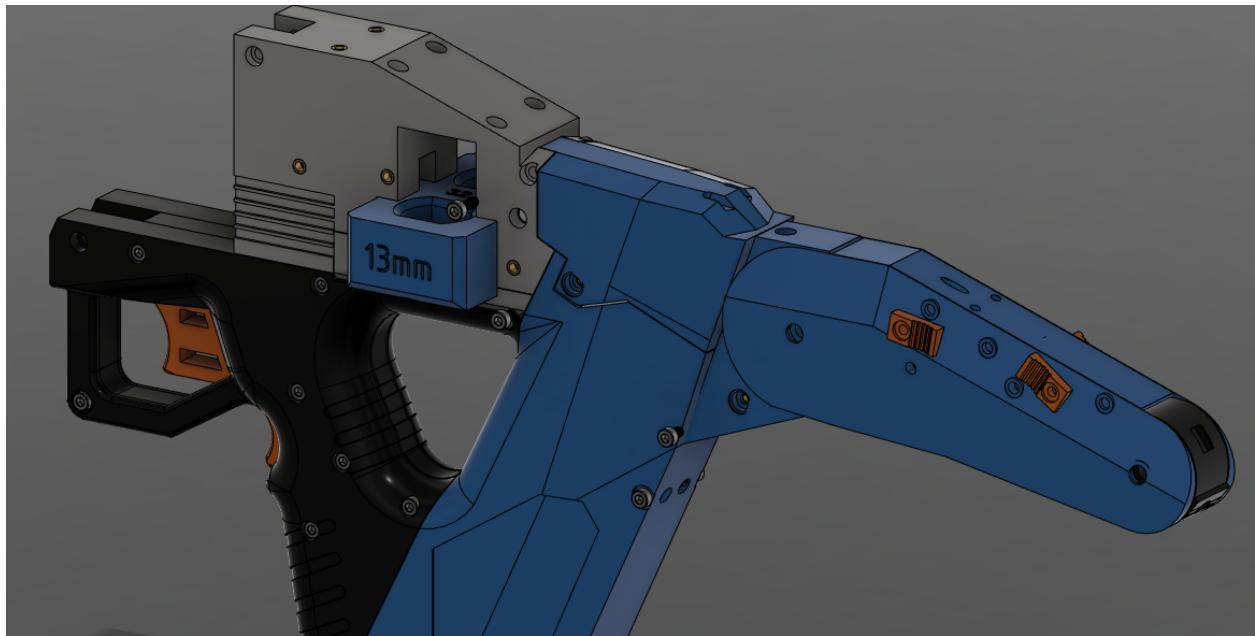


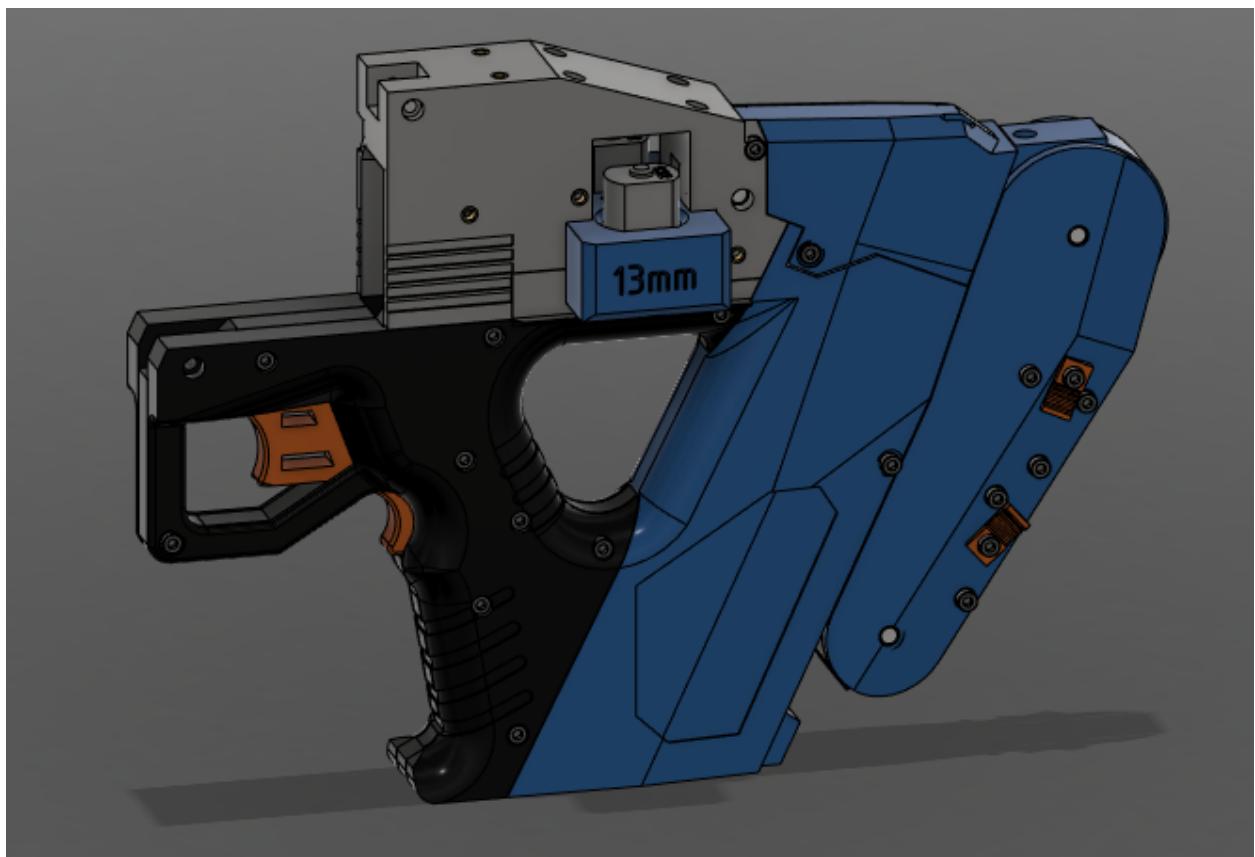
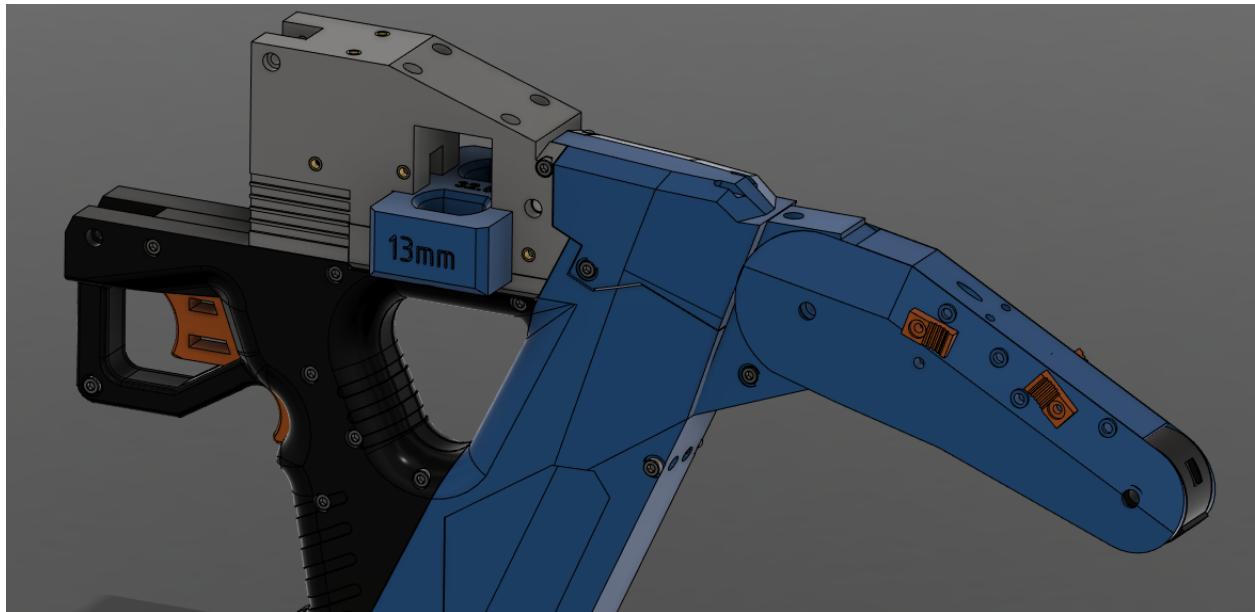
This is a good time to place the pusher and run the string. Pull the trigger to expose the **pusherlever**, put the string through the hole at the top, and tie. Run the string between the motors, over the roller, and back out by the magwell. Add **pusherpuller**, put the string through the front hole and out the top, and tie. The tension on this string is very important, so don't be afraid to retie a few times until you get it right.



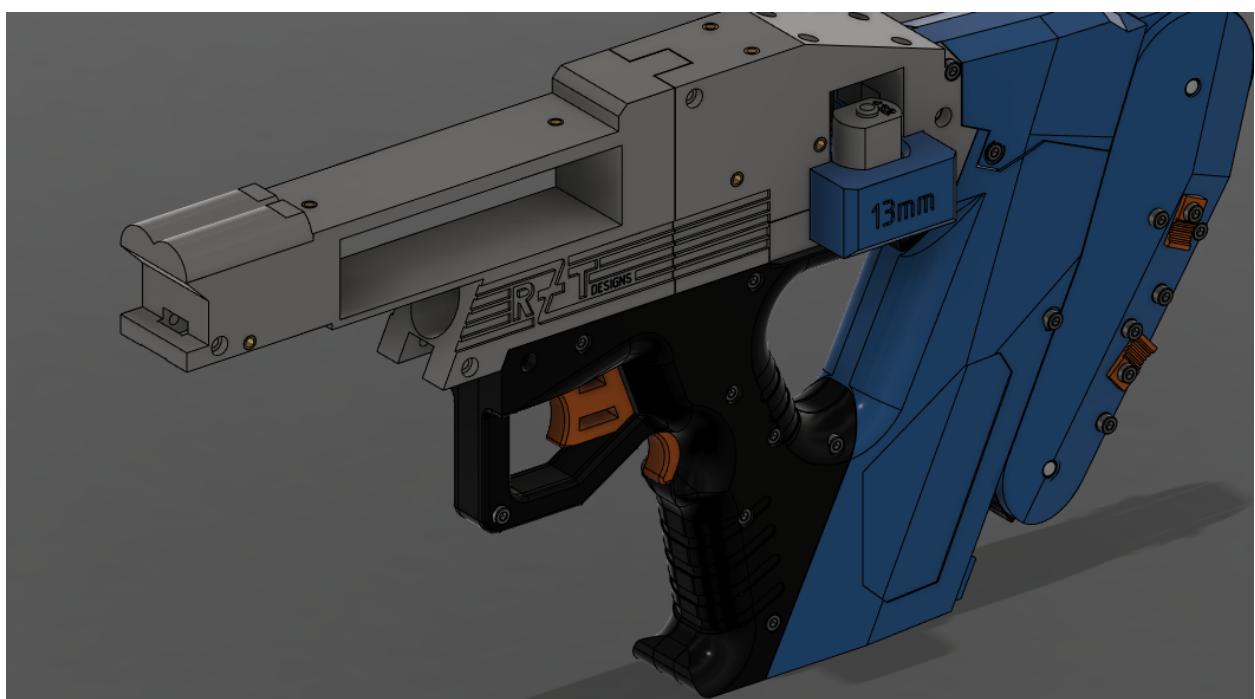
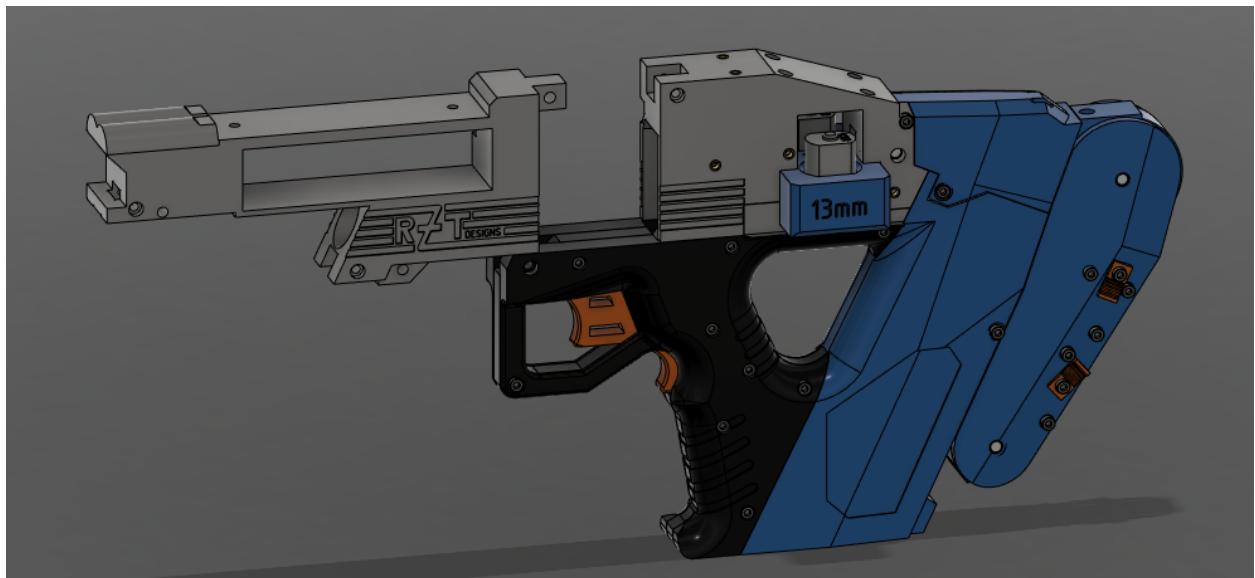
27) Extend the stock. Loop the end of the drum spring through the **pusherpuller** and attach the stock assembly to the main assembly. Screw in place with the six screws shown.

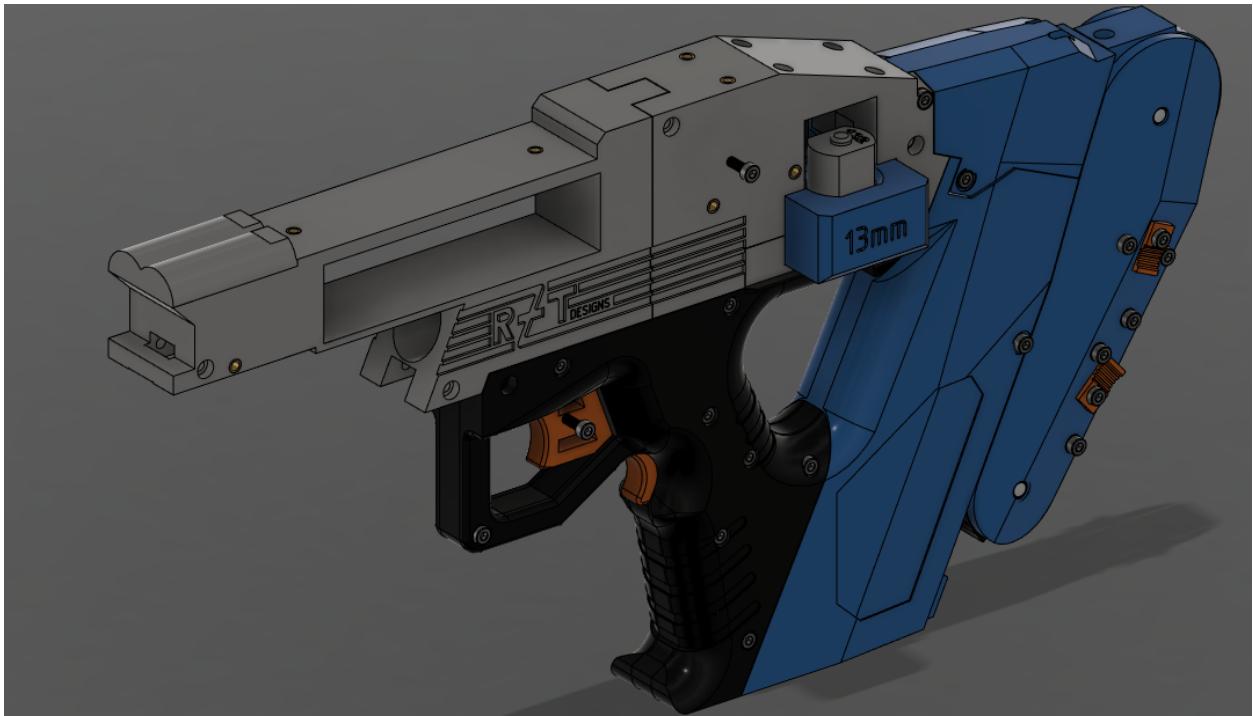




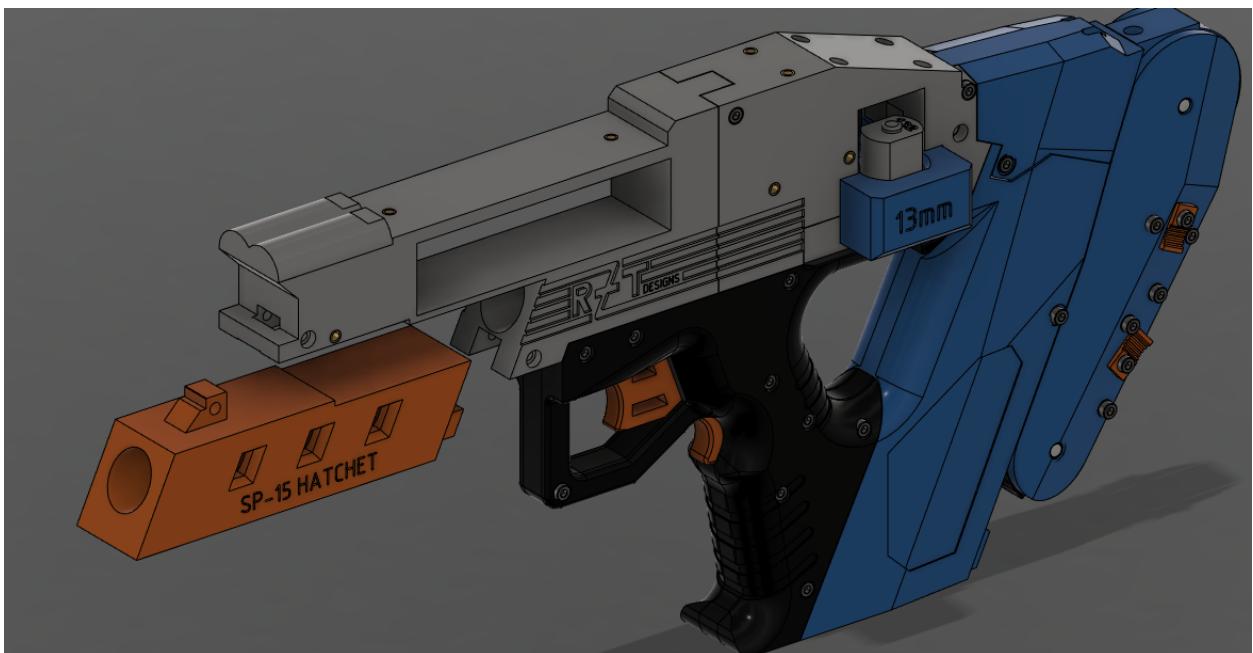


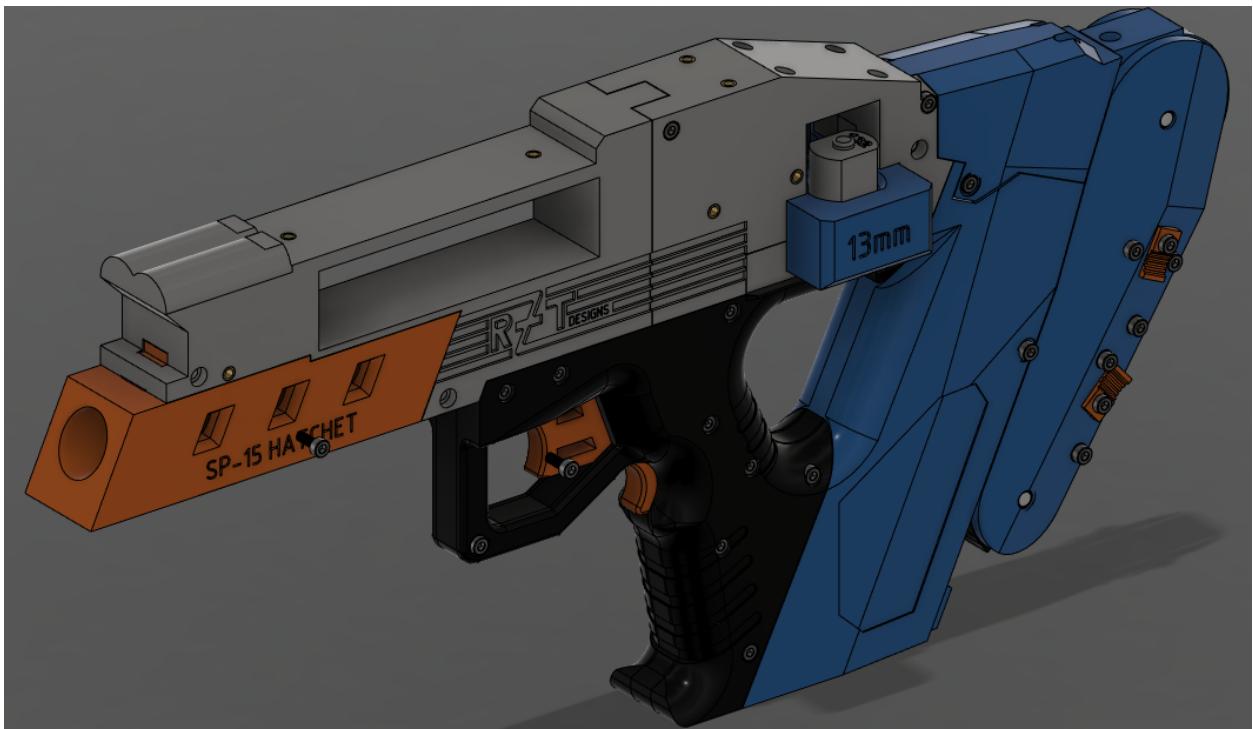
28) Add **front**, attach with the four screws shown.

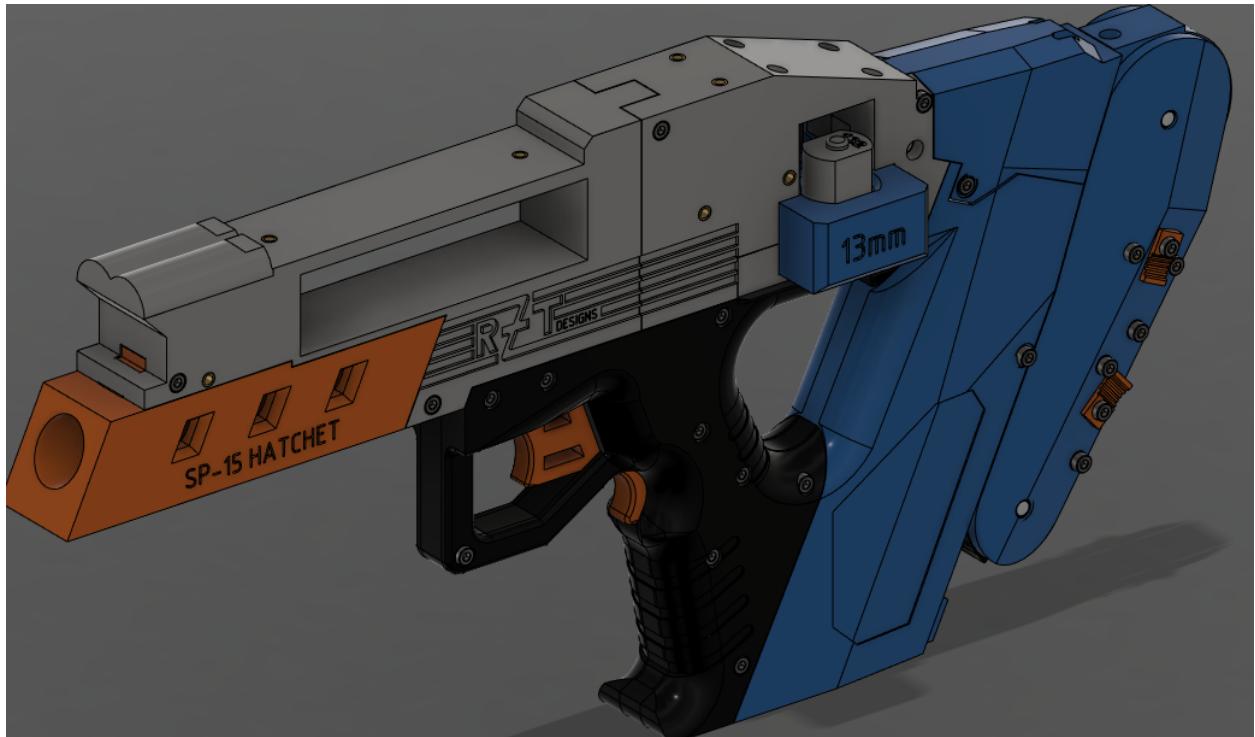




29) Add **barrel**, attach with four screws shown.





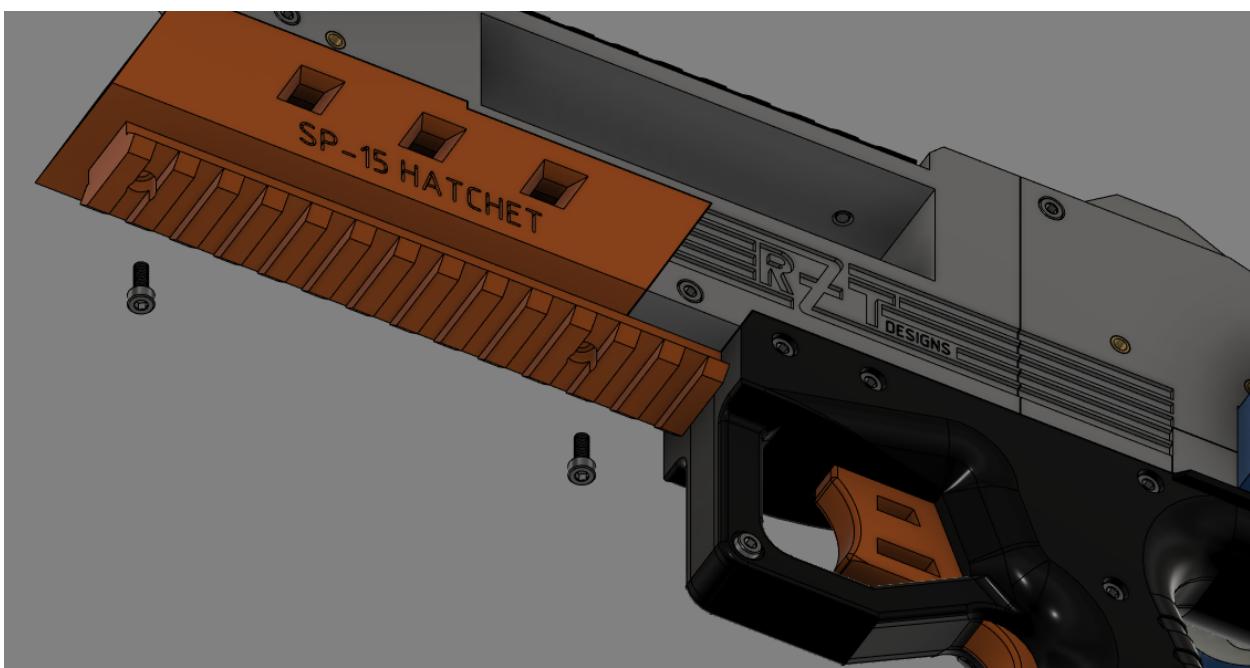


30) Add **toprail** and **topsight**, attach with four screws shown.



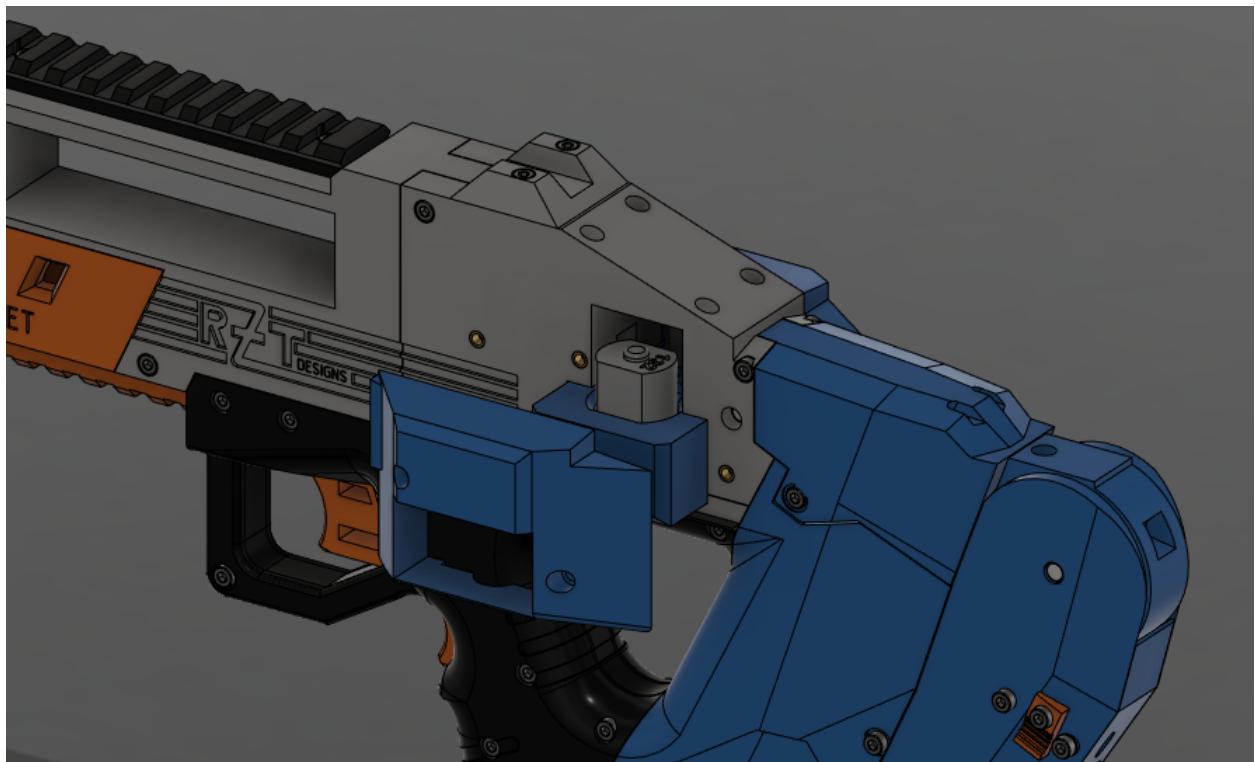


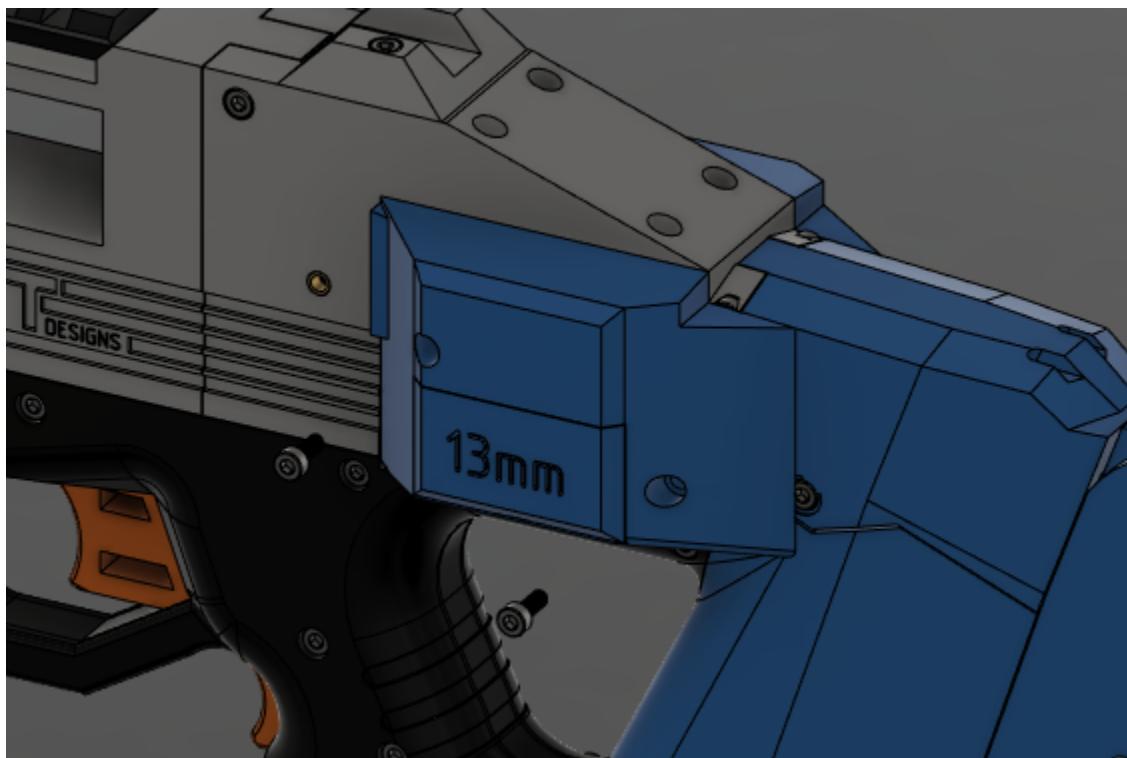
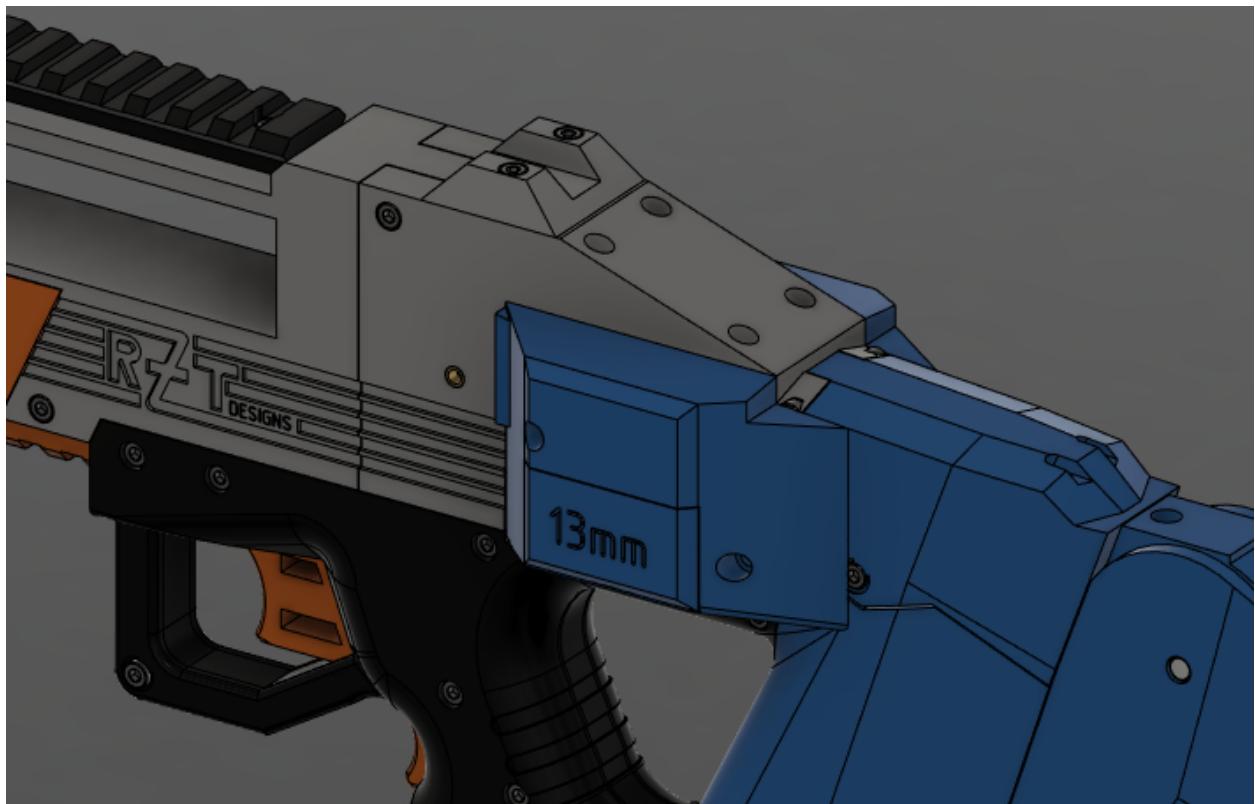
31) add **frontrail**, attach with two screws shown.

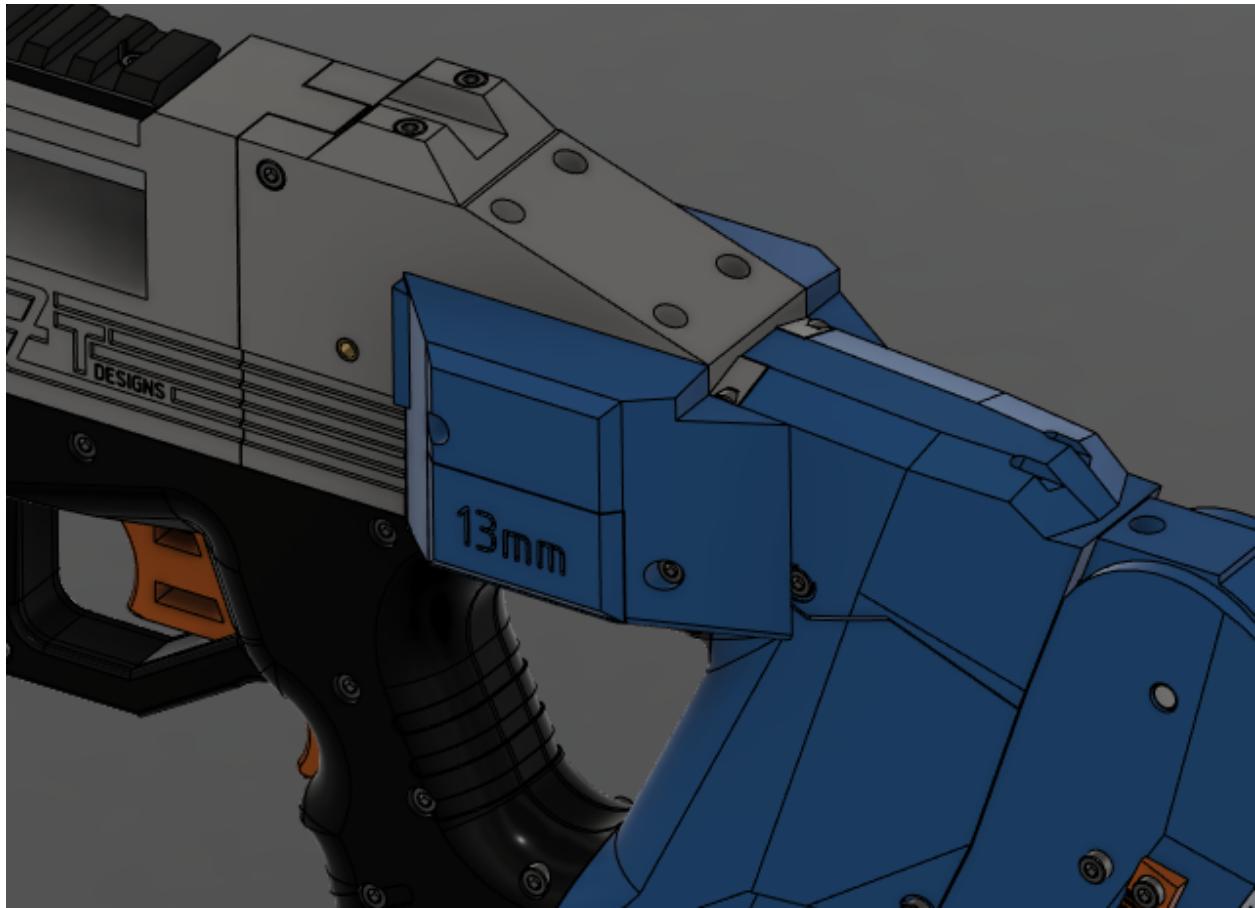




32) add **motorcover** on each side, attach with two screws on each side

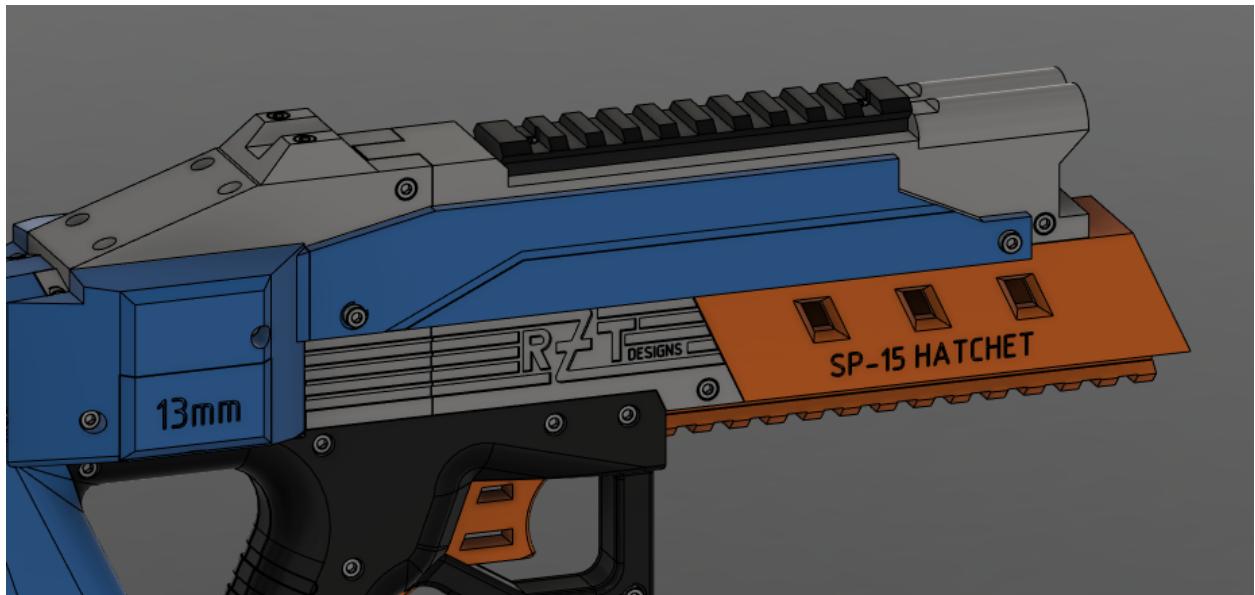






33) add **wirecover**, this doubles as the battery tray cover, so you will be taking this off when inserting or removing the battery.





You are now done with assembly. Congratulations and enjoy your completed Hatchet.

