

## Gel Extruder Assembly

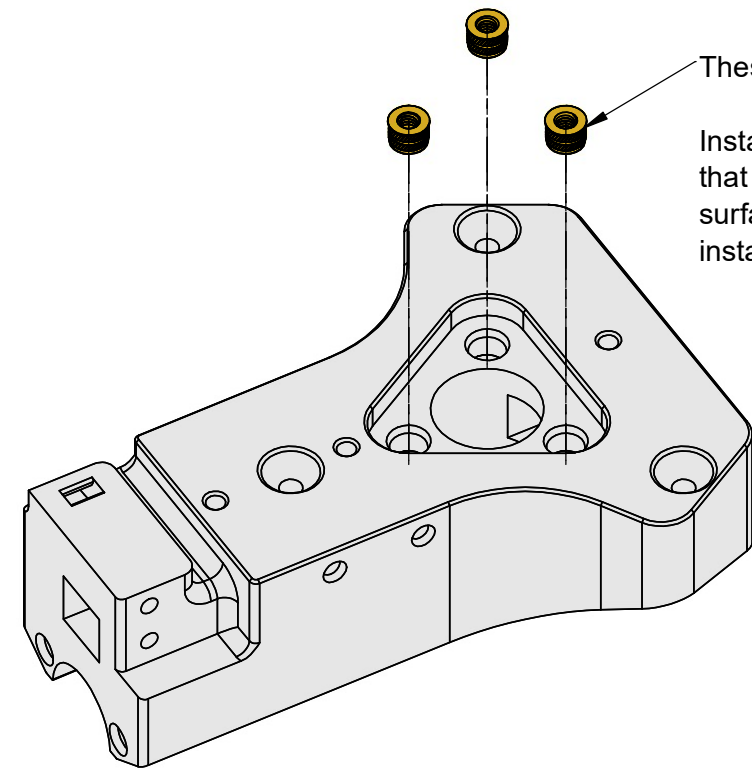


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

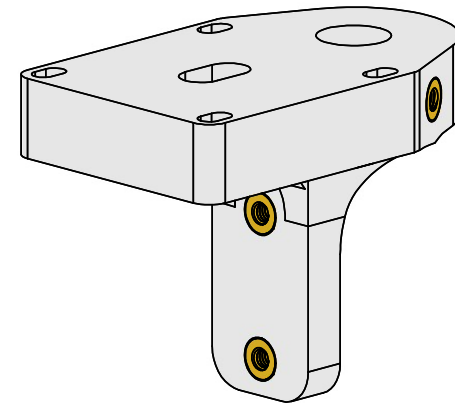
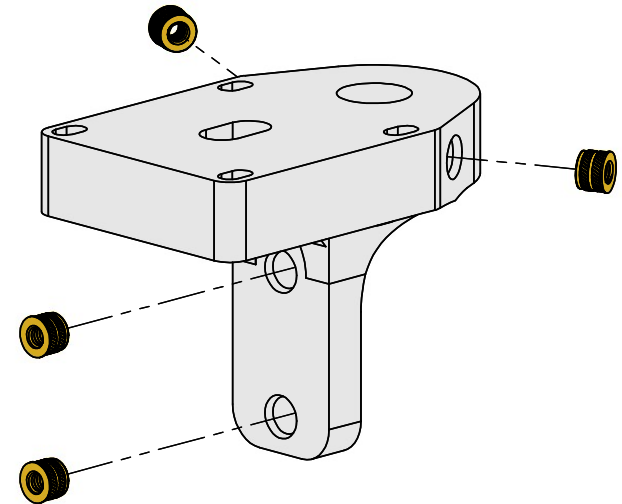
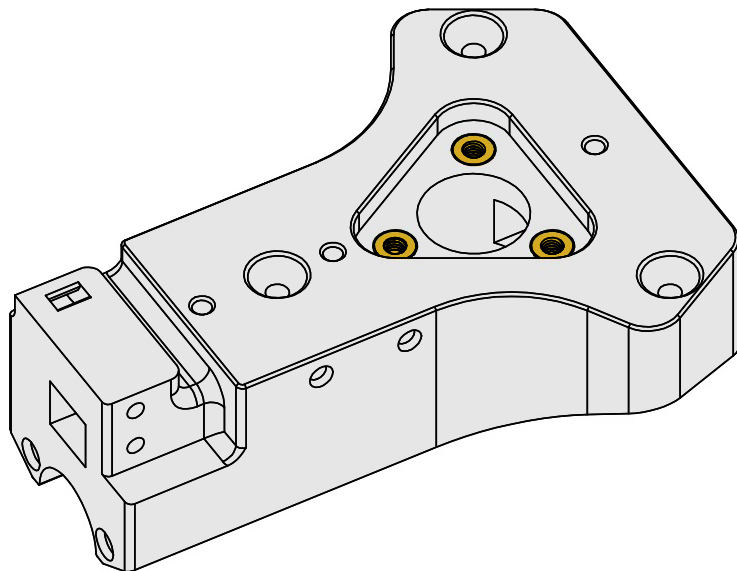
SCALE: 1:2

SHEET 1 OF 20



These inserts are tapered!

Install them small-side-in such that they are flush with the surface they are being installed into.



## Heat Set Insert Installation

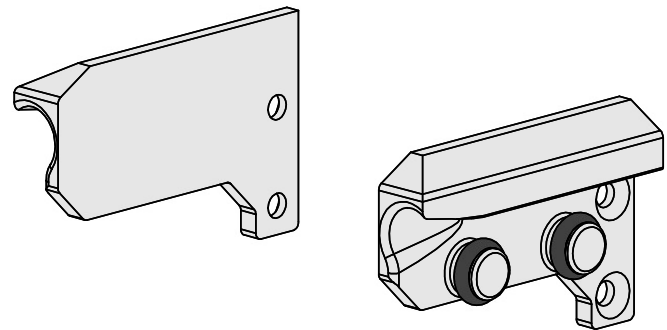
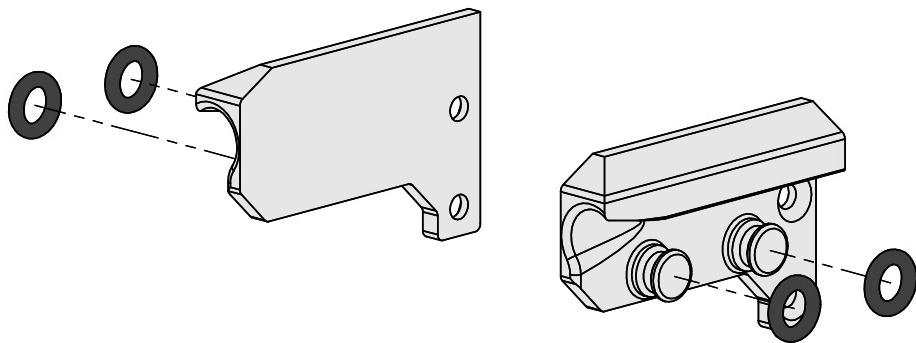


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:1

SHEET 2 OF 20



## O-Ring Installation

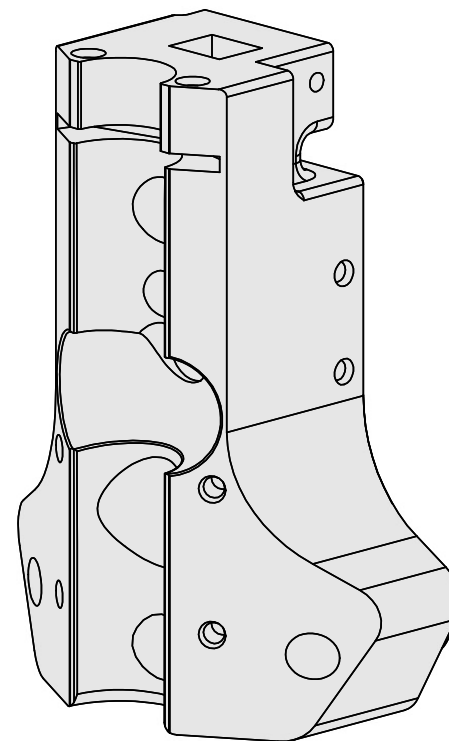
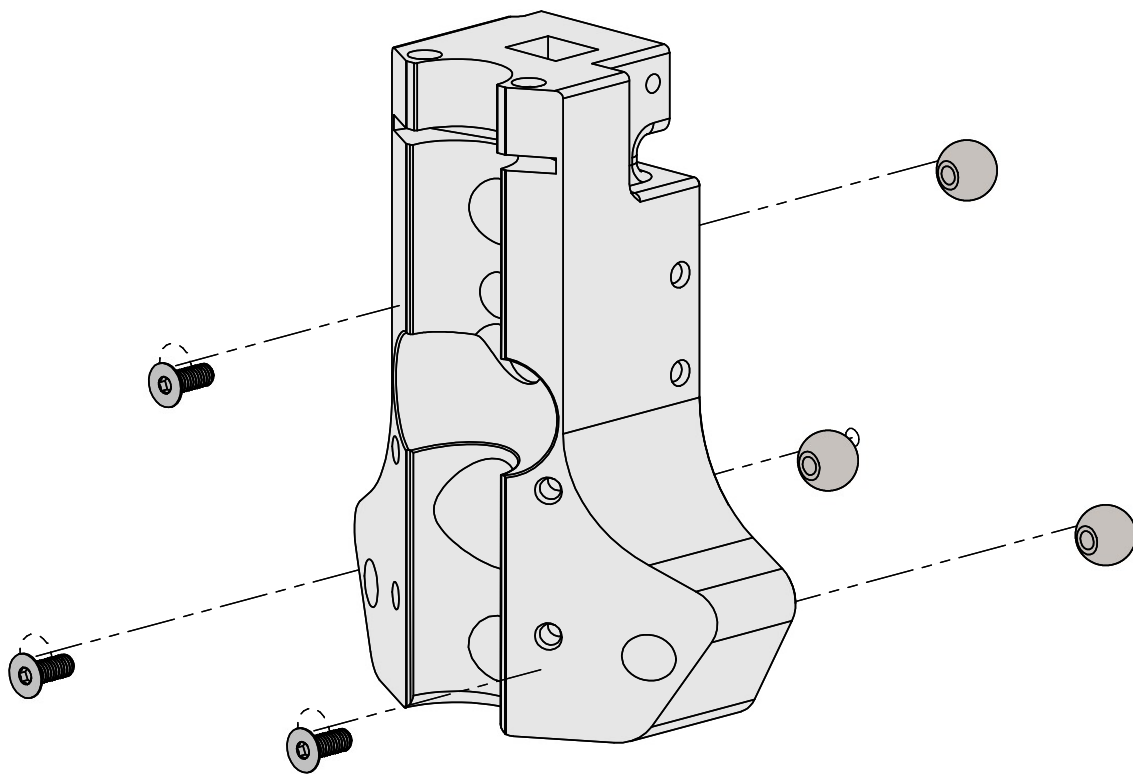


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:1

SHEET 3 OF 20



## Tool Ball Installation

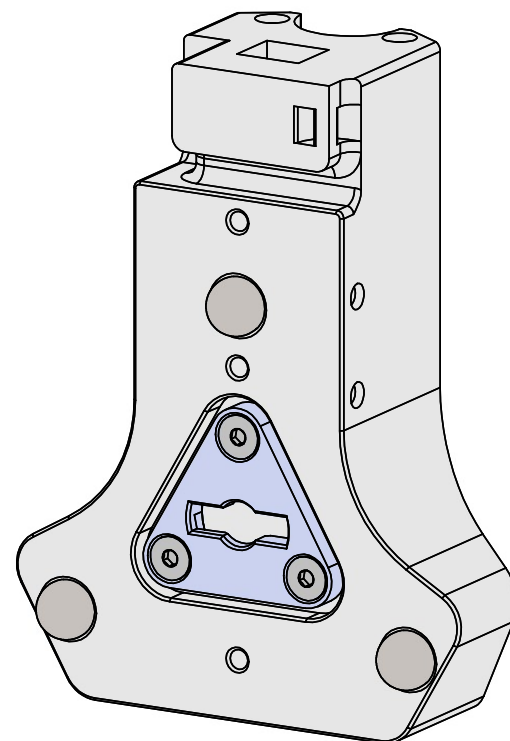
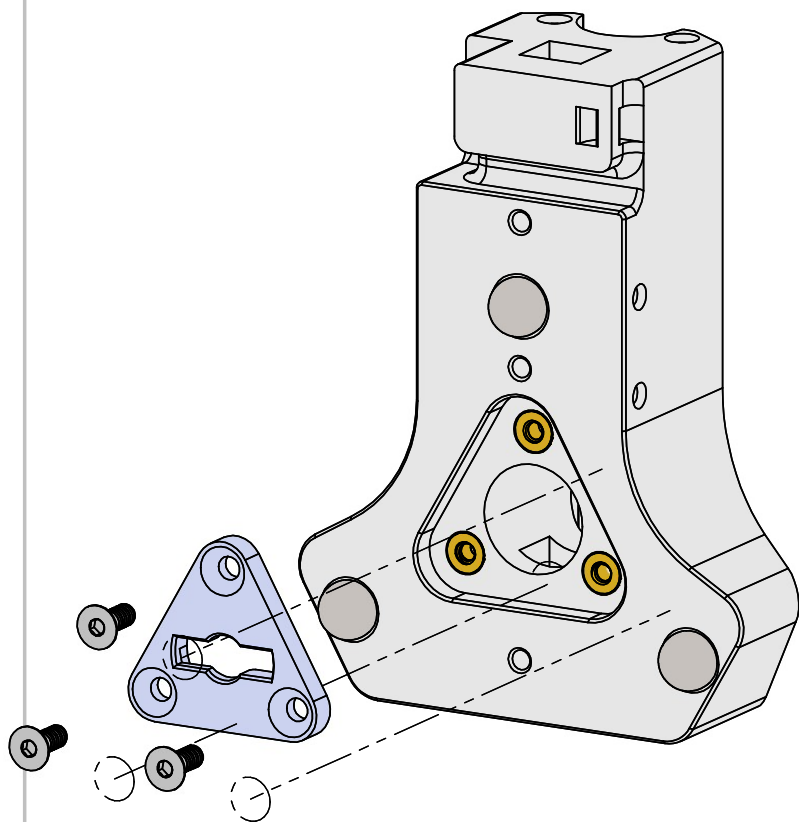


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:1

SHEET 4 OF 20



### Wedge Plate Installation

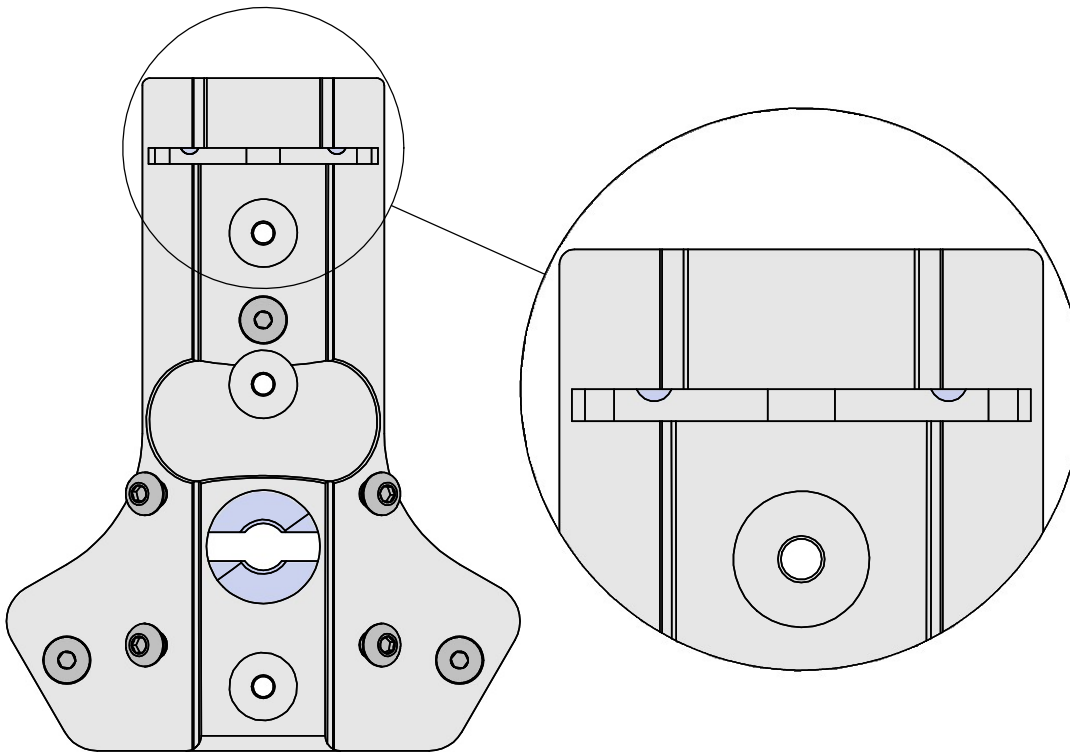
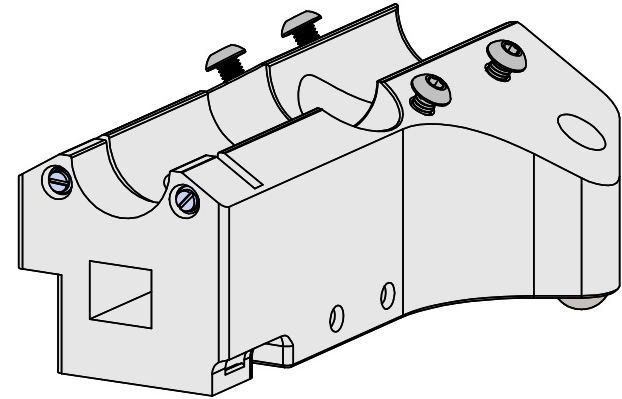
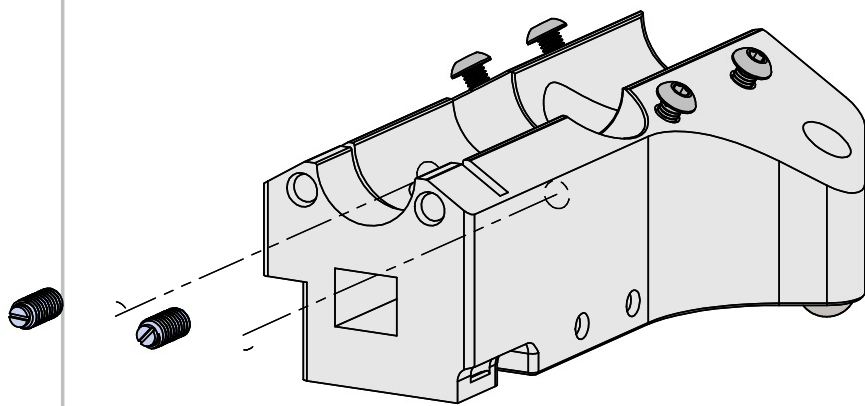


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:1

SHEET 5 OF 20



## Spring Plunger Installation

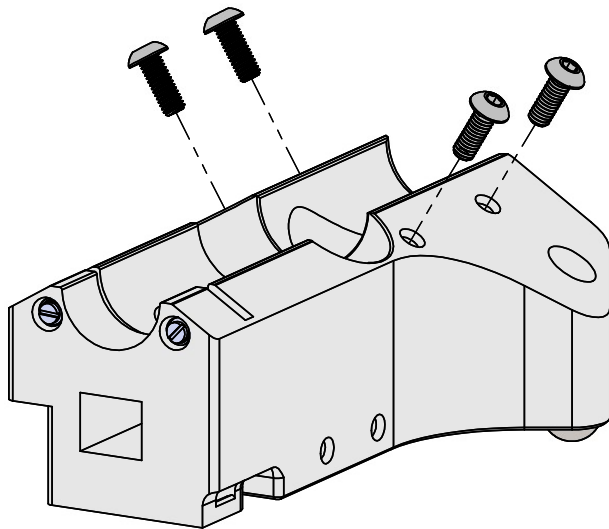


Created by:  
Joshua Vasquez

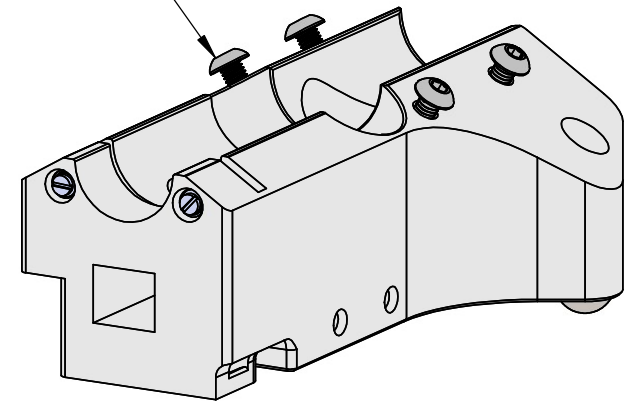
last edited:  
7/1/2021

SCALE: 1:1

SHEET 6 OF 20



These screws will hard-stop before fully screwing in.



# Retention Screw Installation

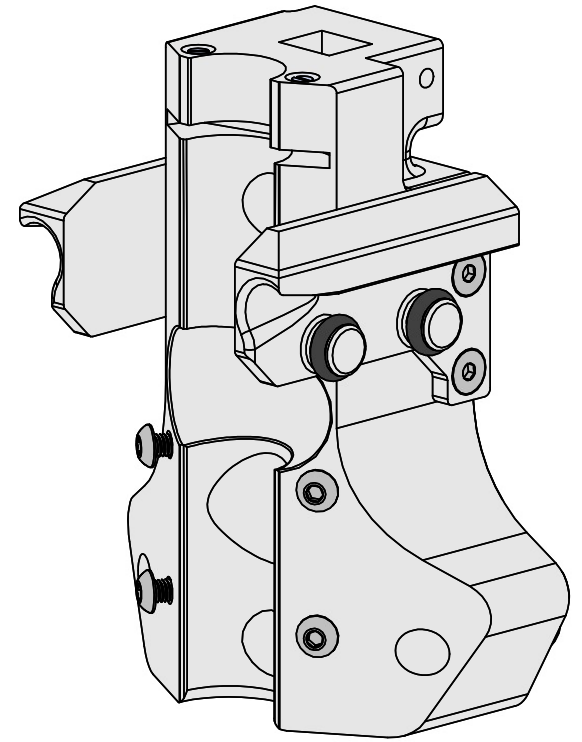
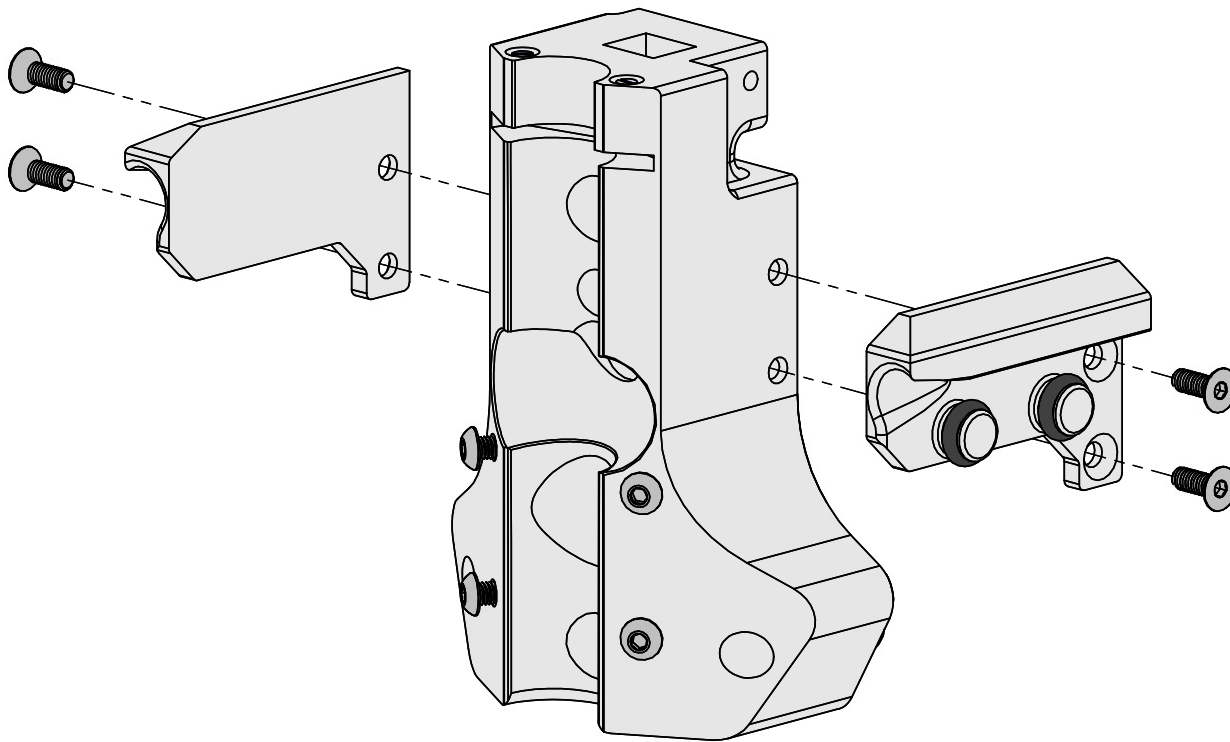


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:1

SHEET 7 OF 20



### Tool Wing Installation



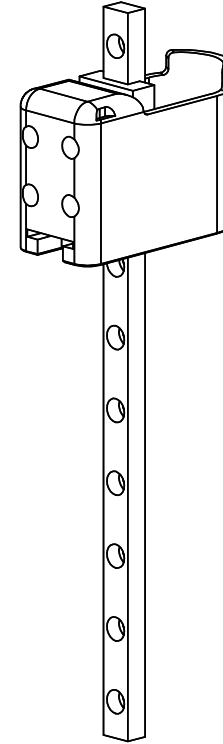
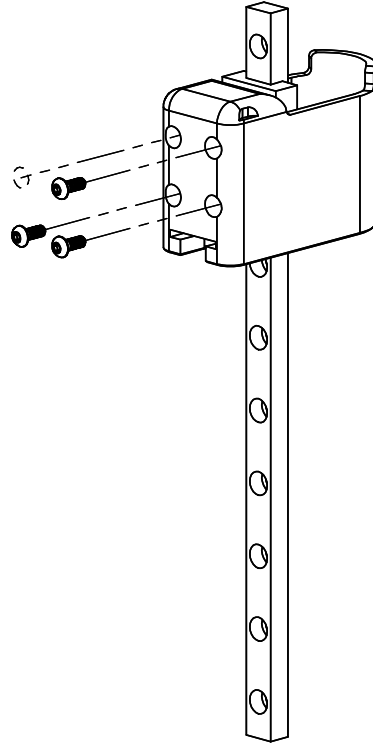
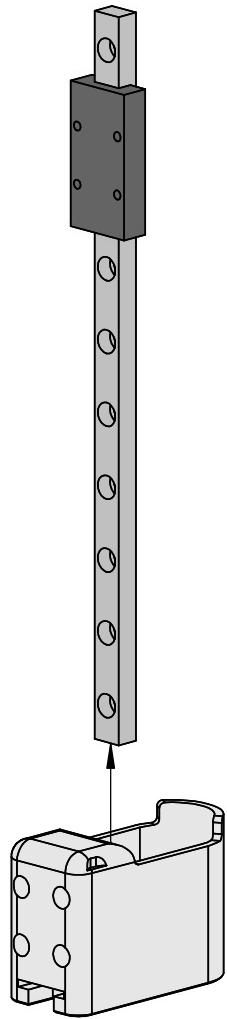
Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:2

SHEET 8 OF 20





## Rail Assembly

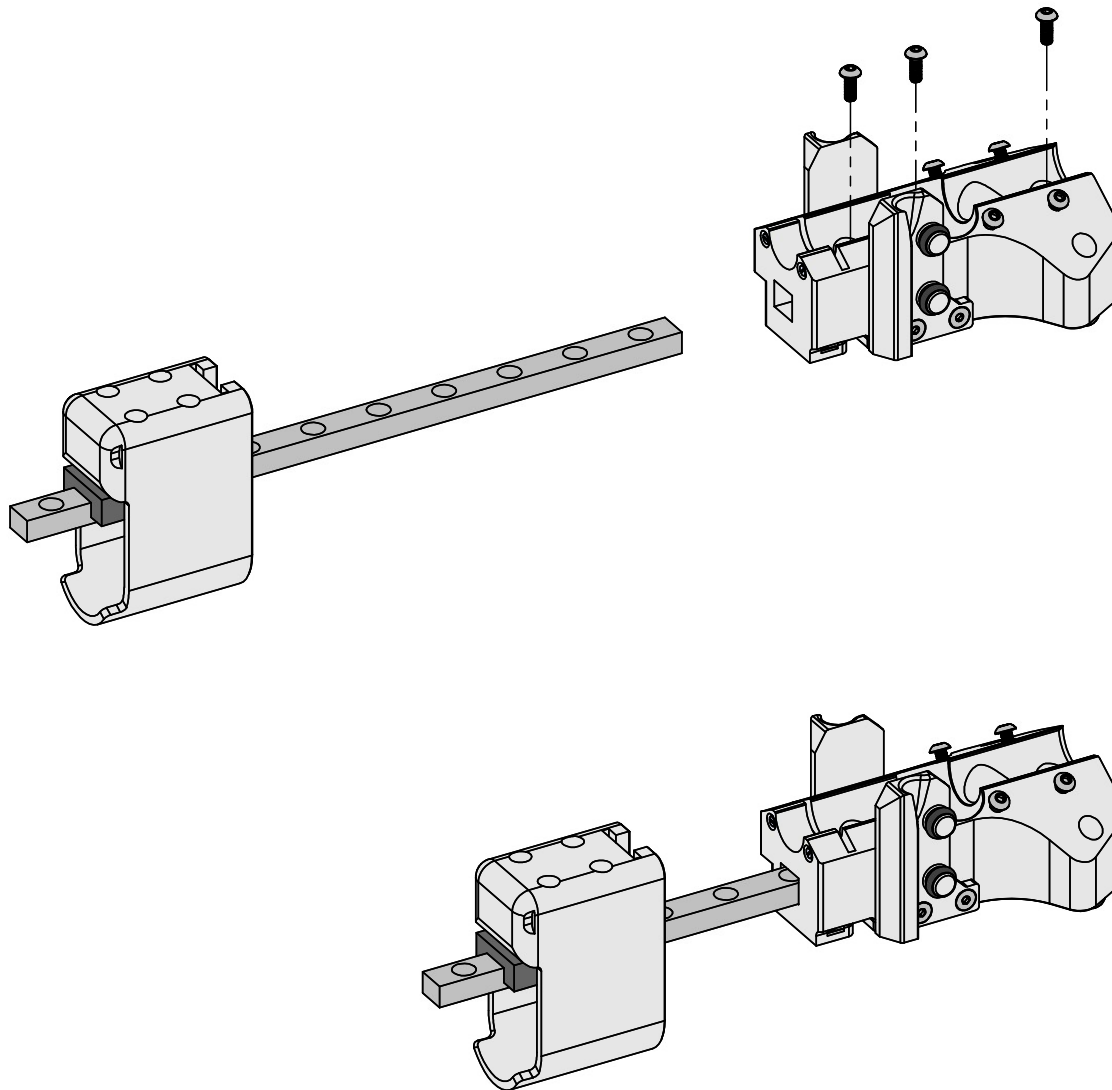


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:2

SHEET 9 OF 20



## Rail Installation

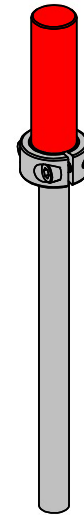
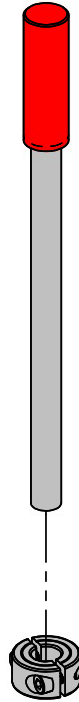
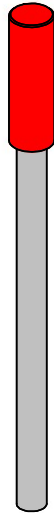
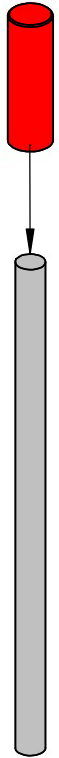


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:2

SHEET 10 OF 20



## Leadscrew Prep 1

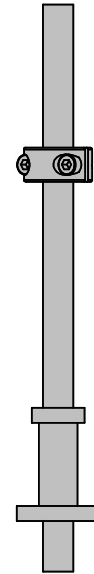
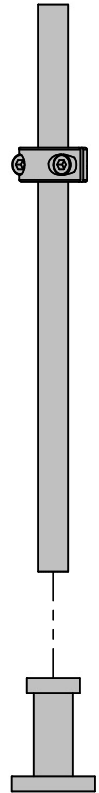


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:2

SHEET 11 OF 20



## Leadscrew Prep 2



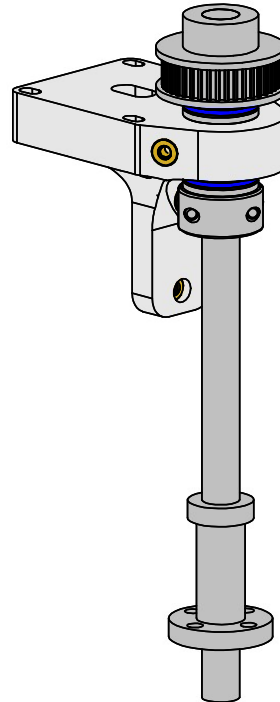
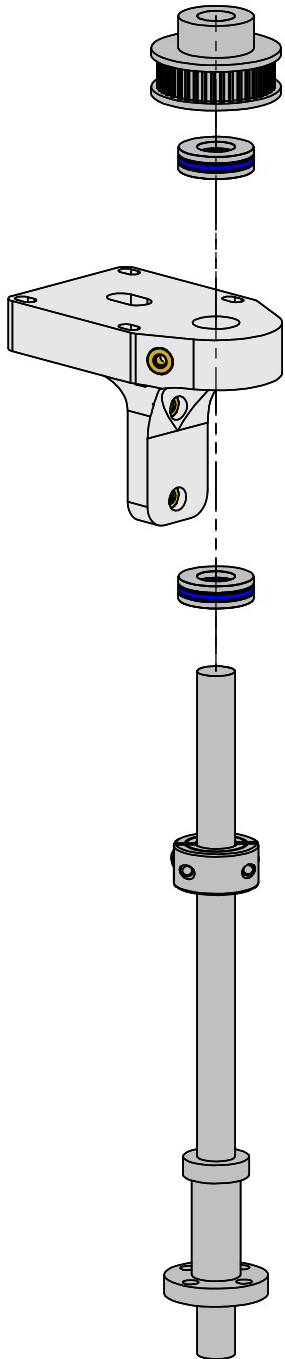
Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:2

SHEET 12 OF 20

Compress this assembly by hand, and then tighten both set screws.



Turn this assembly by hand. It should have a minimal but consistent amount of resistance. If it feels like it is rubbing periodically, check to make sure the pulley is not seated at an angle.

### Pulley Block Assembly

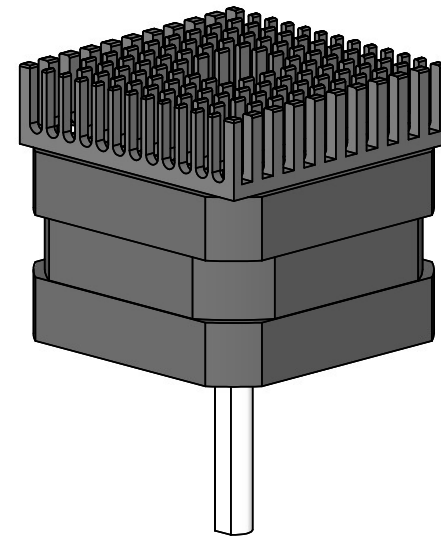
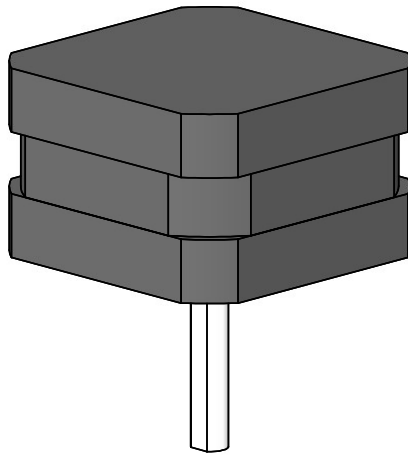
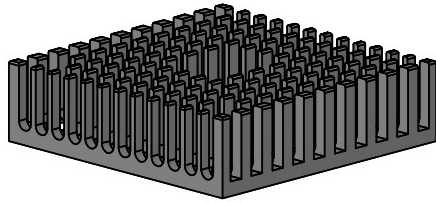


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 5:8

SHEET 13 OF 20



## Heatsink Installation

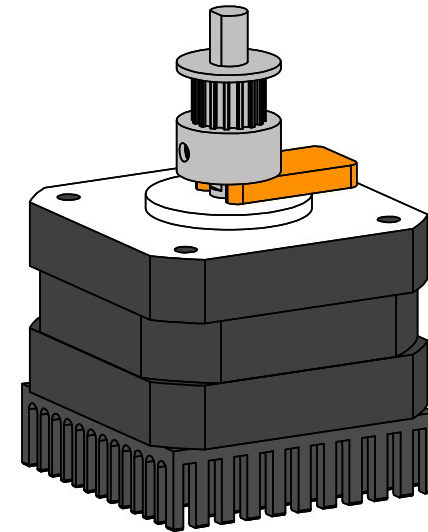
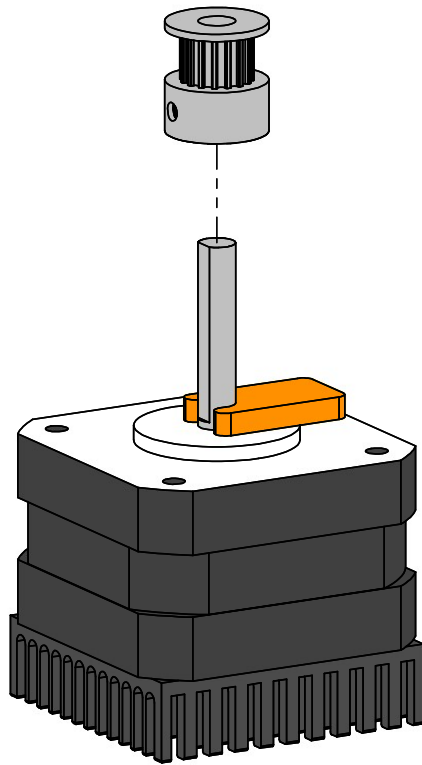


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:1

SHEET 14 OF 20



### Motor Pulley Installation



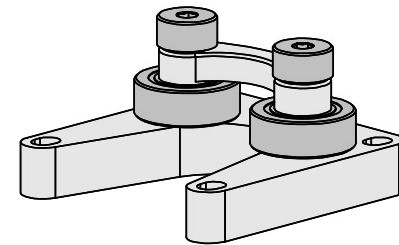
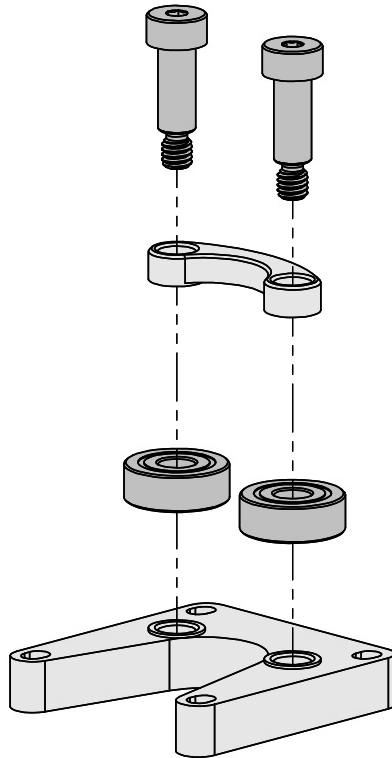
Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:1

SHEET 15 OF 20

This Assembly is optional. We will skip its inclusion in the subsequent steps.



### Belt Retention Block Assembly



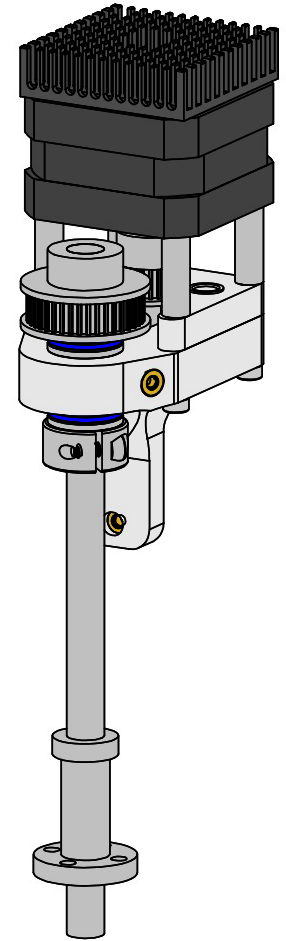
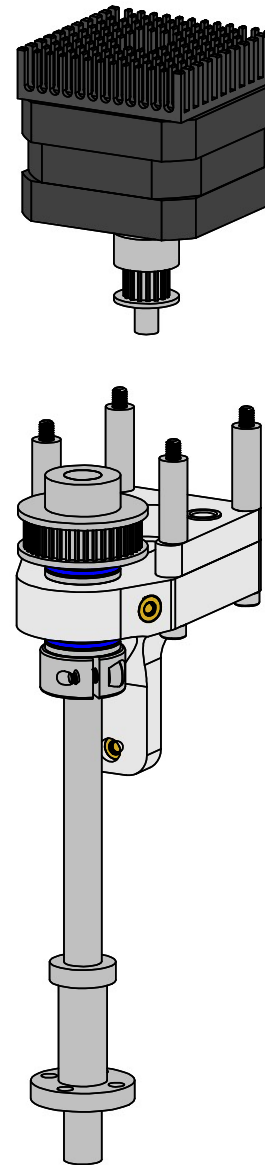
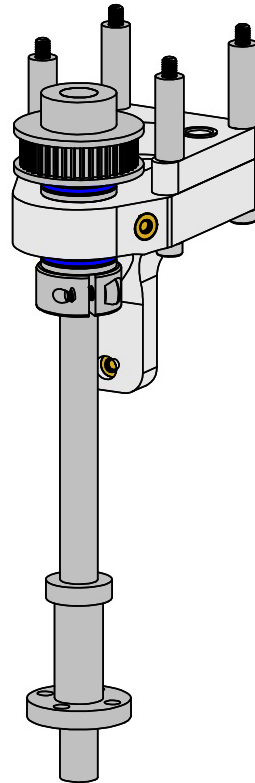
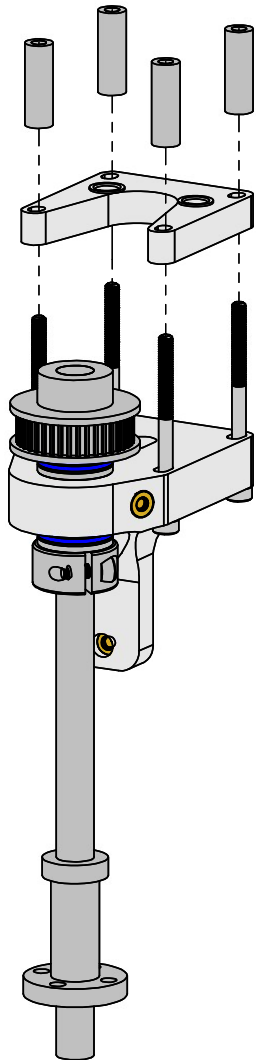
Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:1

SHEET 16 OF 20





## Actuator Assembly

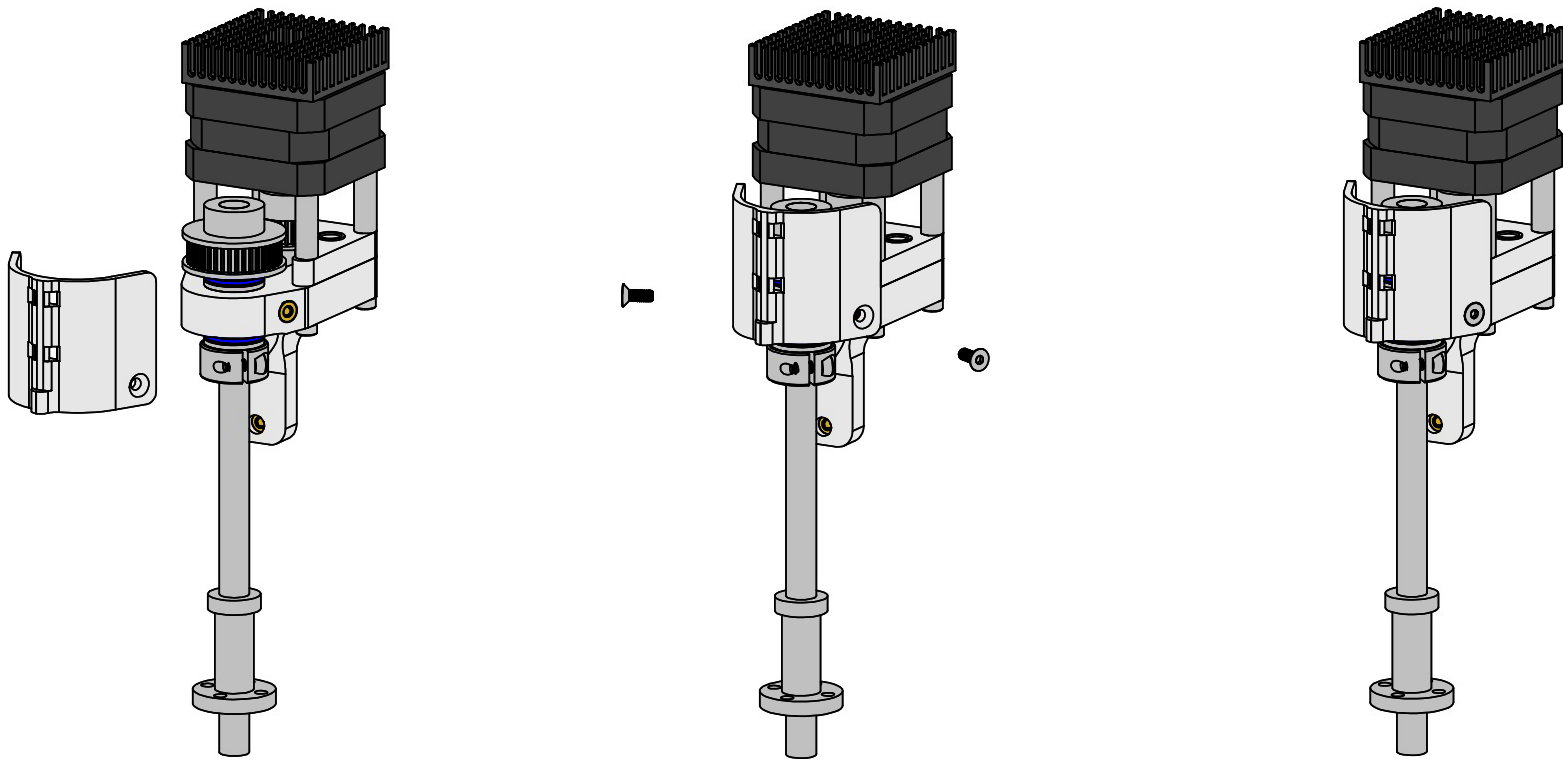


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 5:8

SHEET 17 OF 20



## Shroud Installation

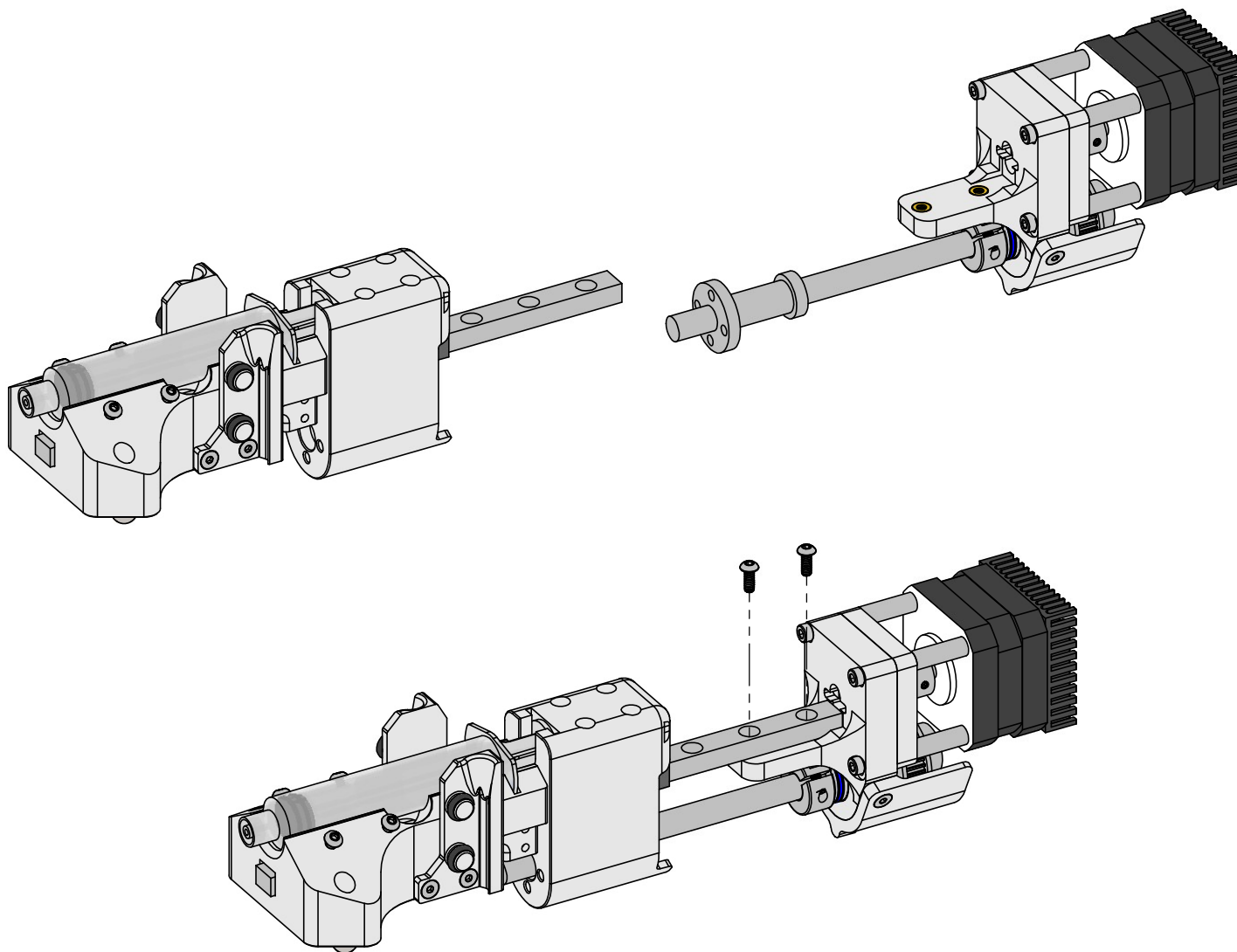


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:2

SHEET 18 OF 20



## Actuator Installation

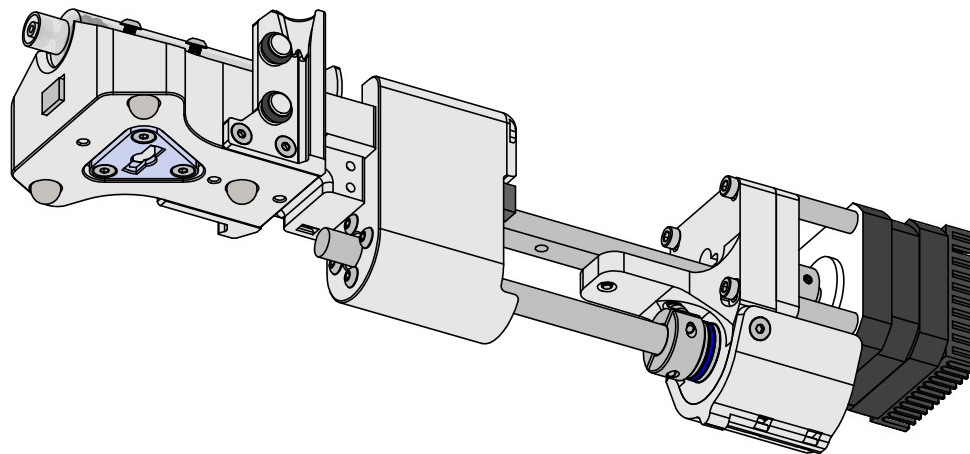
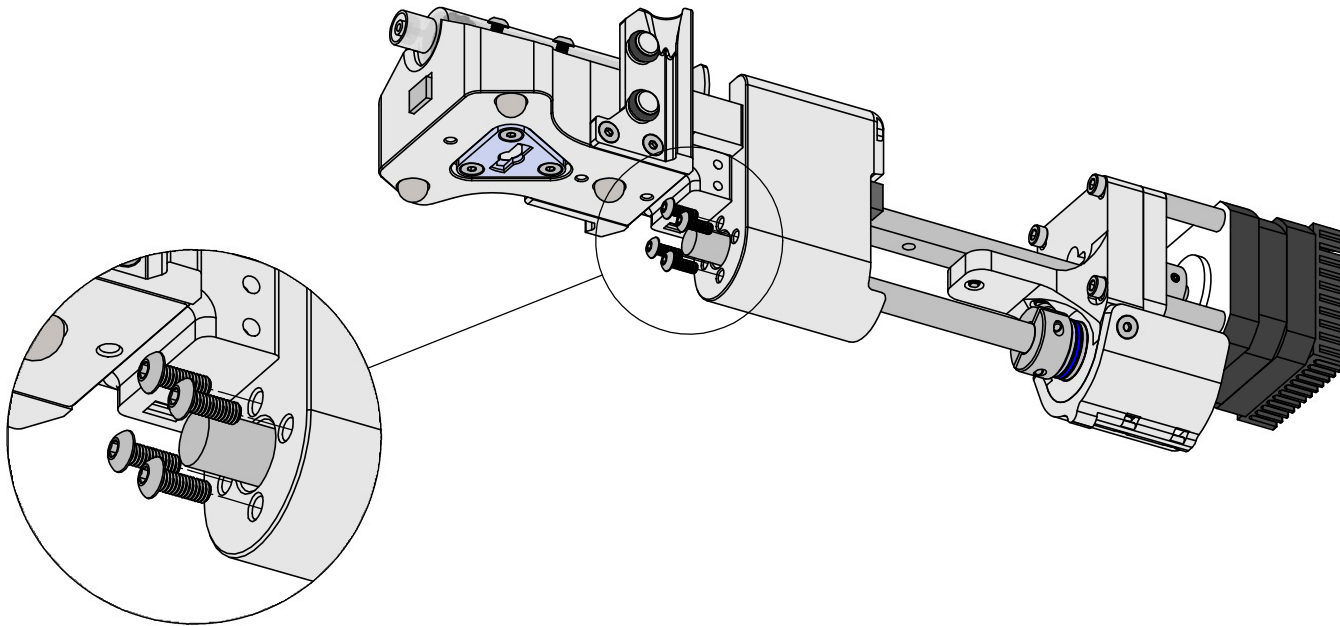


Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:2

SHEET 19 OF 20



## Leadscrew Attachment



Created by:  
Joshua Vasquez

last edited:  
7/1/2021

SCALE: 1:2

SHEET 20 OF 20