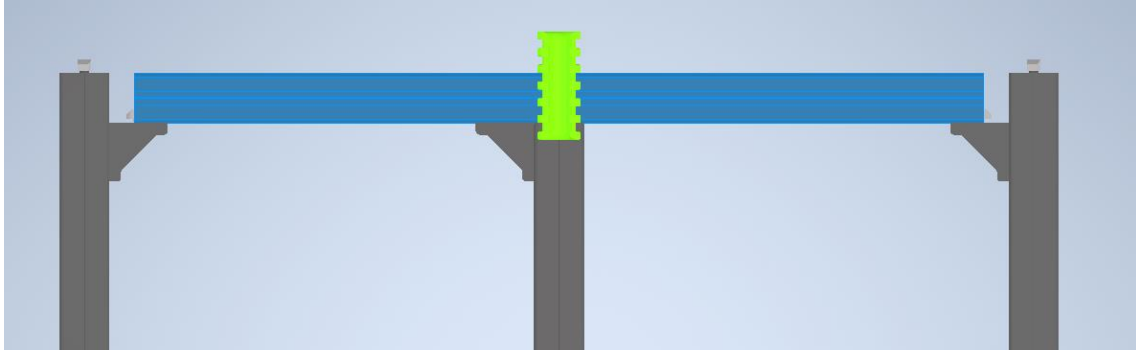


V-Core 3 Idex Assemble Guide

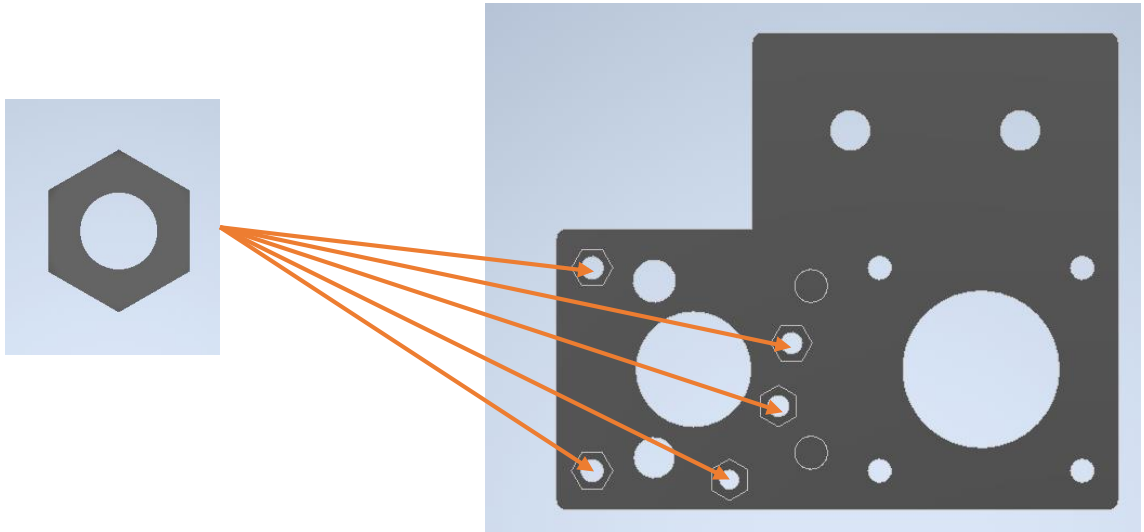
Y Motor Left & Right

- Cut this 3030 extrusion into 510mm or buy a new one.

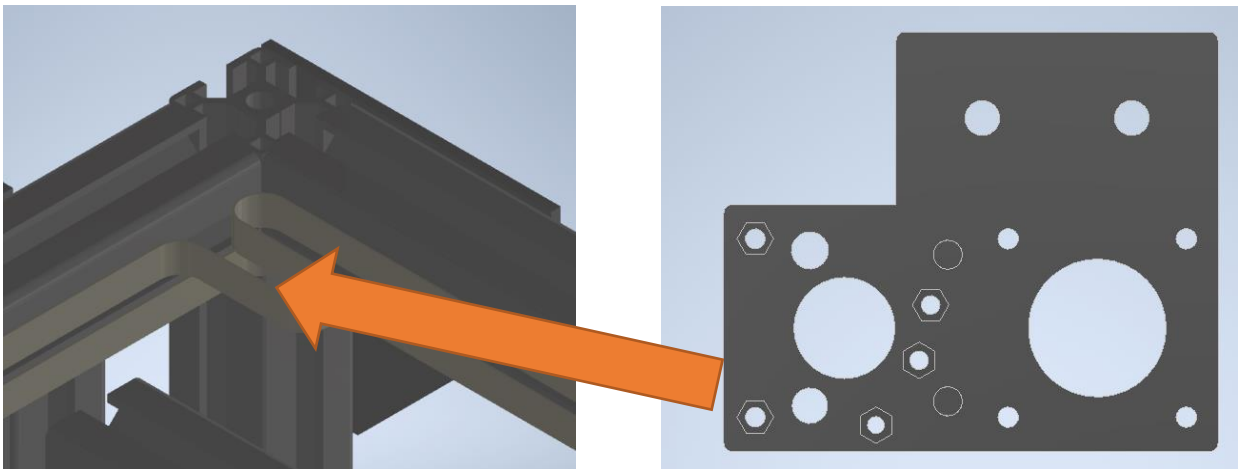


- Assemble it back. Make sure they have 15mm width gap on the both side.

- Insert 5*M3 nuts into [Motor plate left].

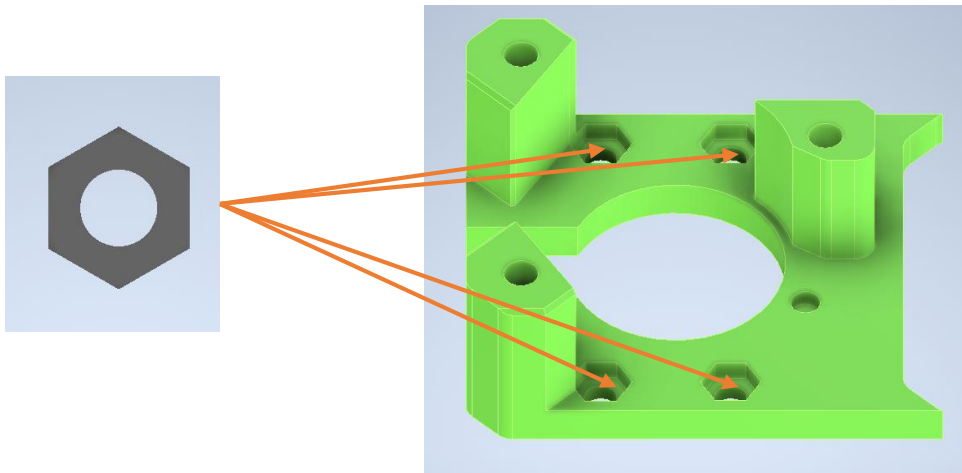


- Attach the [Motor plate left] to the frame left corner.

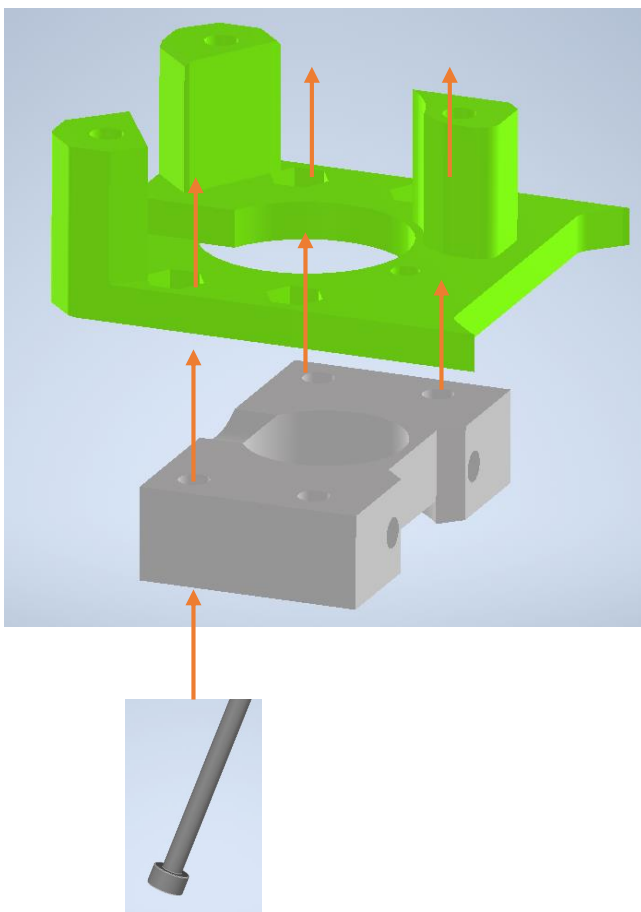


- Assemble the motor drive except the motor.
<https://ratrig.dozuki.com/Guide/02.+XY+Drive+Assembly/55?lang=en>

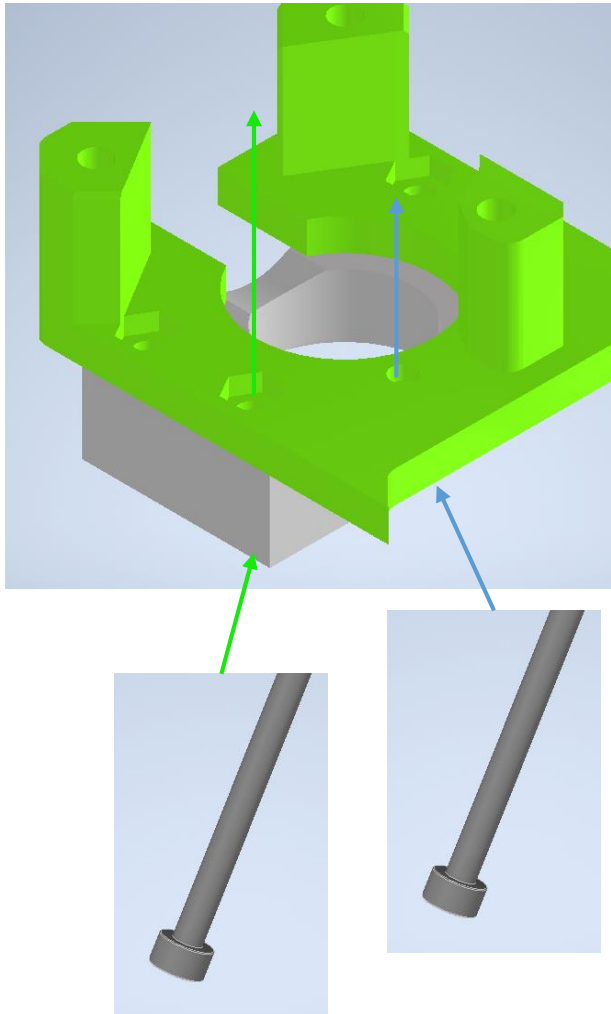
- Insert 4*m3 nuts into [y_top_left].



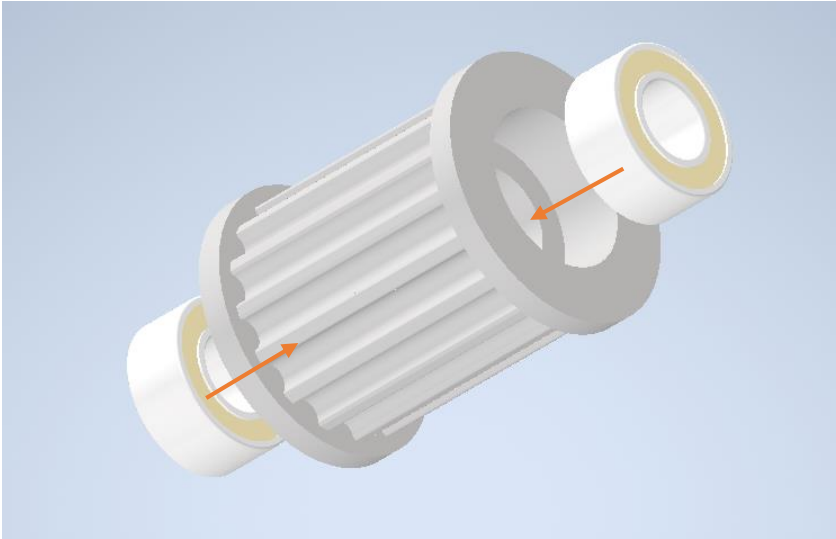
- Insert 3*m3 x10 screw through [y_motor_lock_bottom3] into [y_top_left].



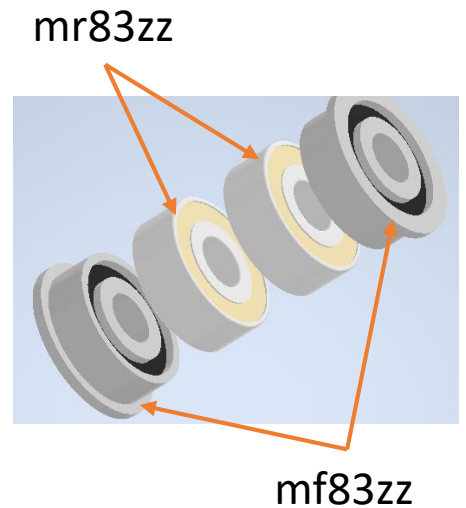
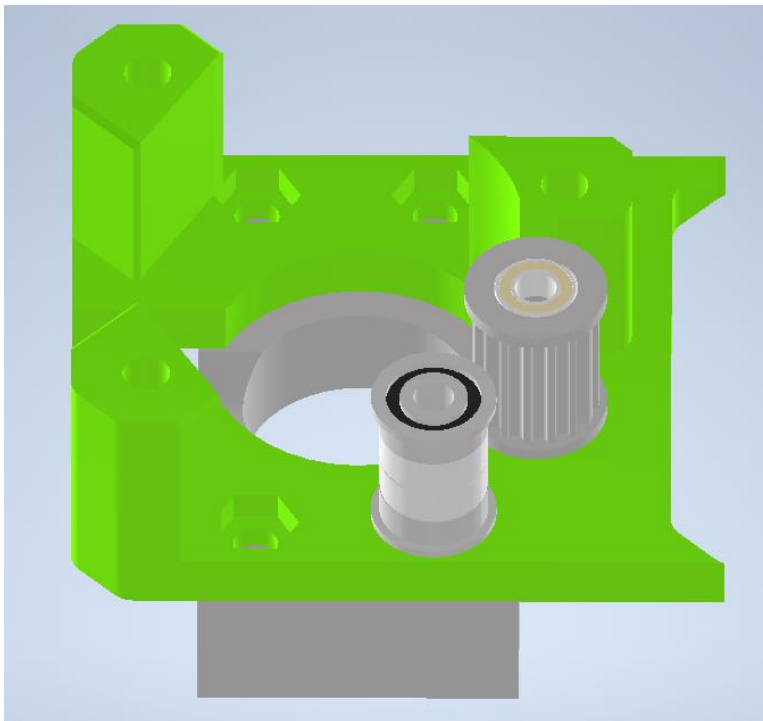
- Insert 1***m3 x20** , 1* **m3x27** screw through [y_motor_lock_bottom3] , m3 nuts into [y_top_left].



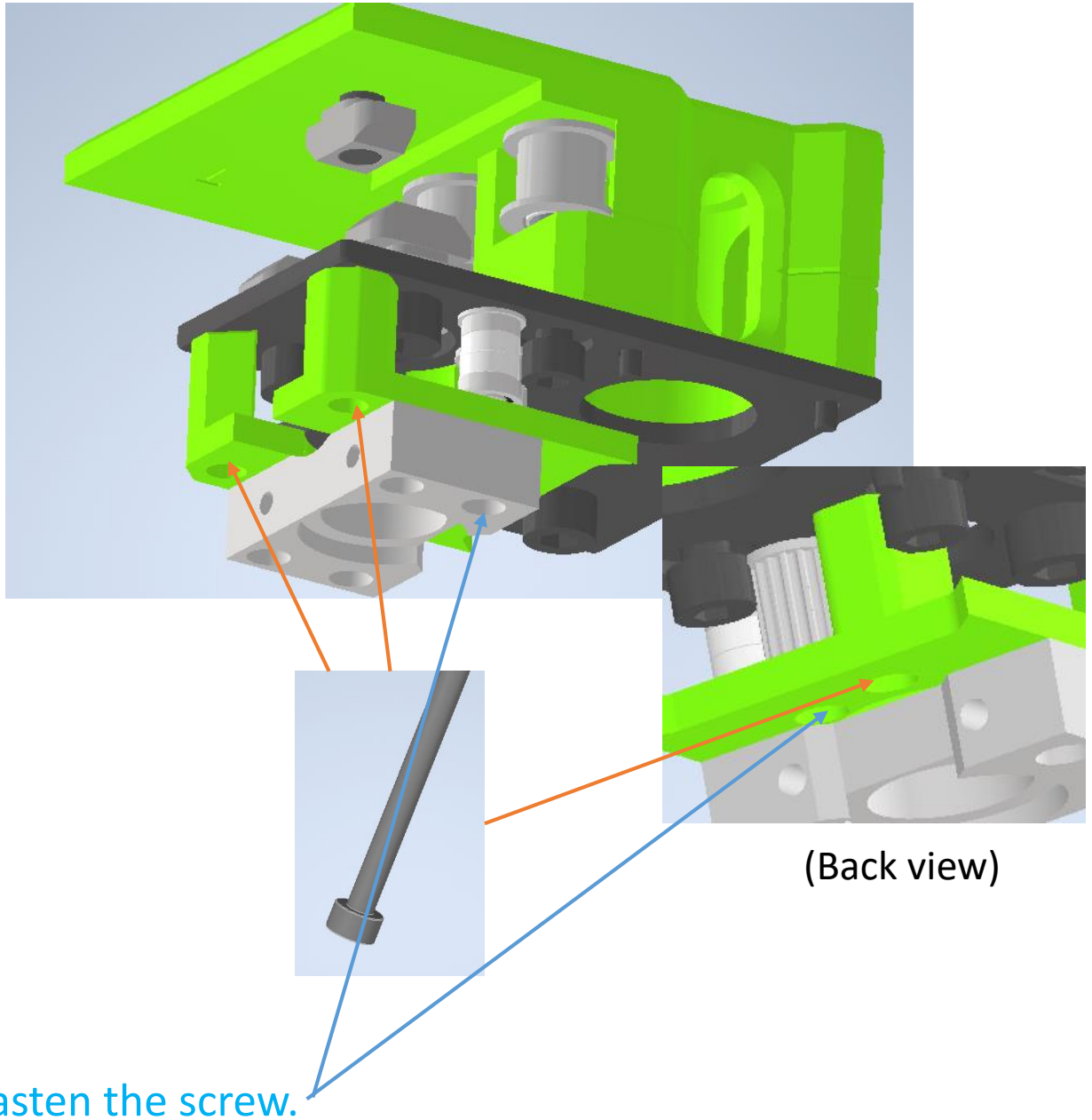
- Insert 2*[mr63zz] bearing in [y_idler_teeth_6mm].



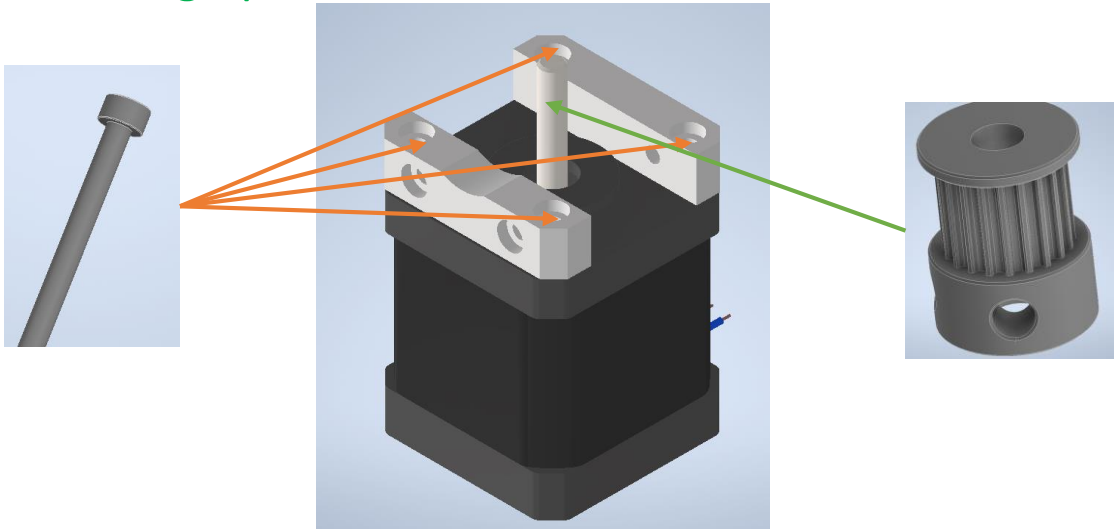
- Insert [y_idler_teeth_6mm] through m3x20 screw.
- Insert 2*mf83zz and 2*mr83zz through m3x27 screw.



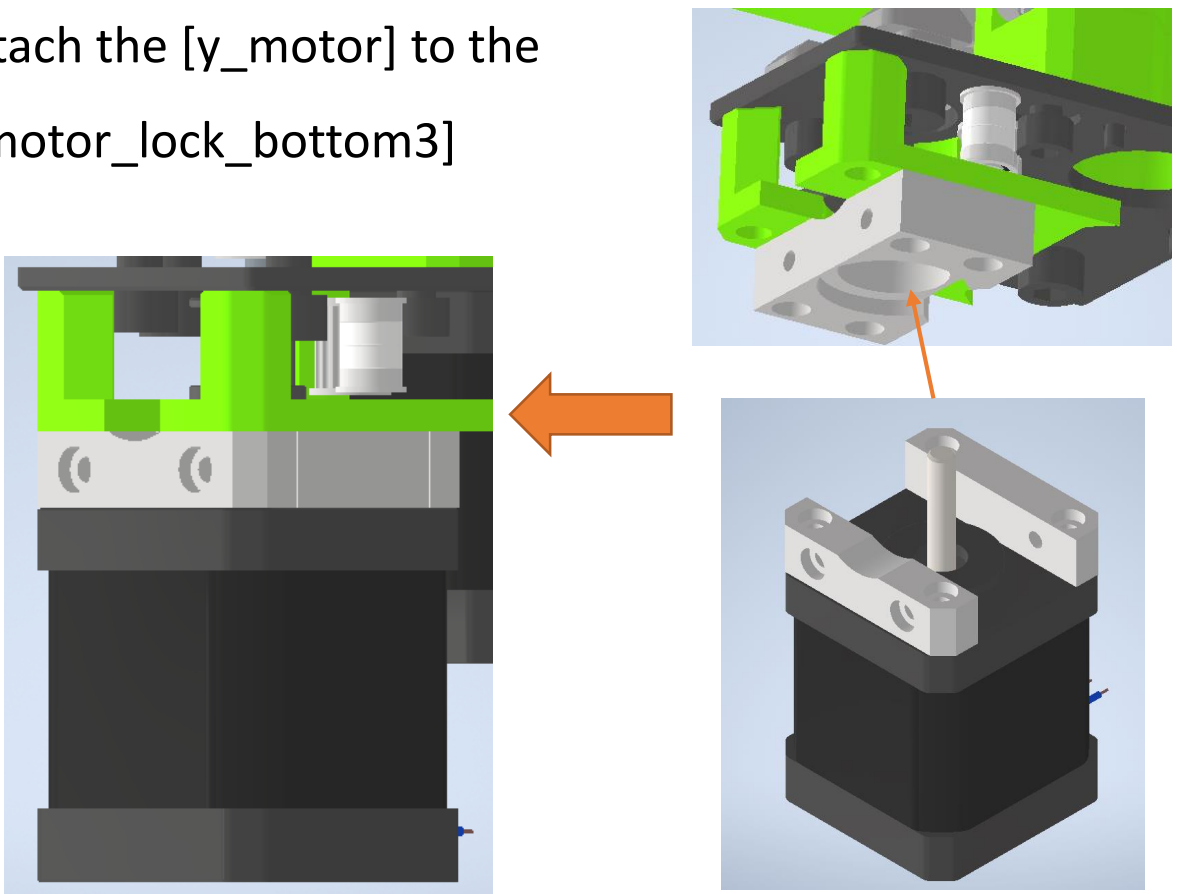
- Attach [y_top_left] to the [Motor plate left]
- Insert 3* m3 x 17 screw



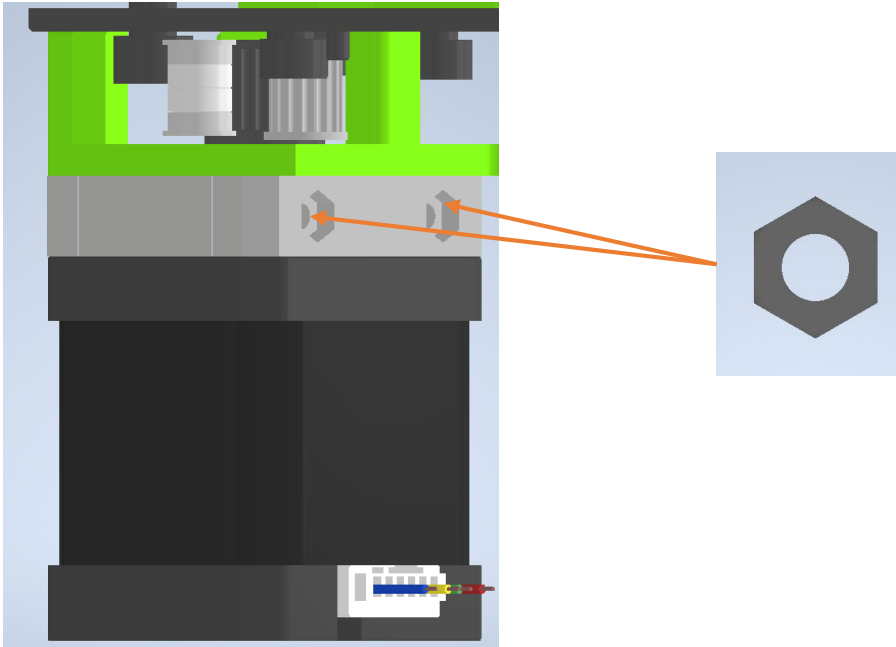
- Insert 4* m3 x 12 screw through [y_motor_lock_bottom1] and [y_motor_lock_bottom2] into [y_motor]
- Place the motor pulley on the [y_motor] shaft with the teeth facing up



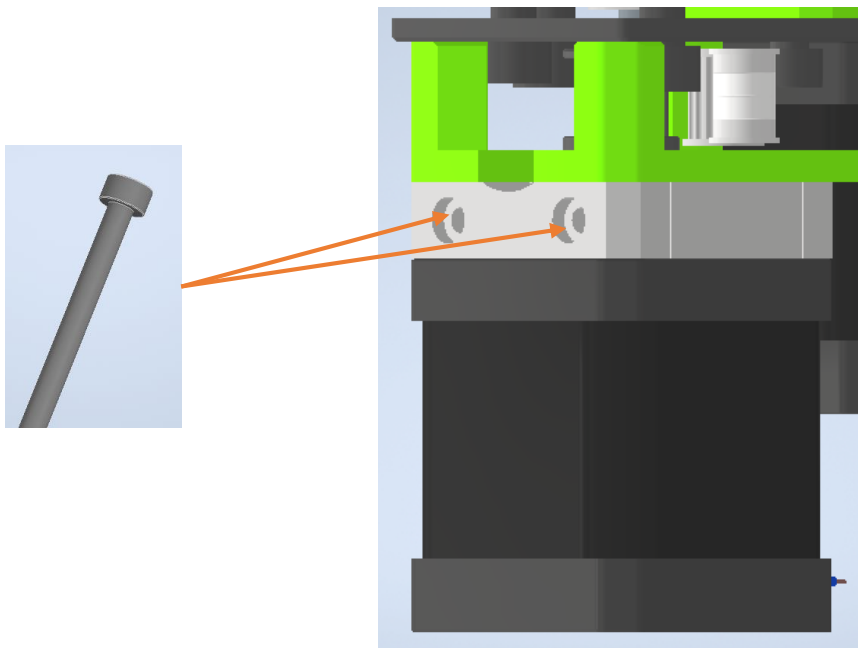
- Attach the [y_motor] to the [y_motor_lock_bottom3]



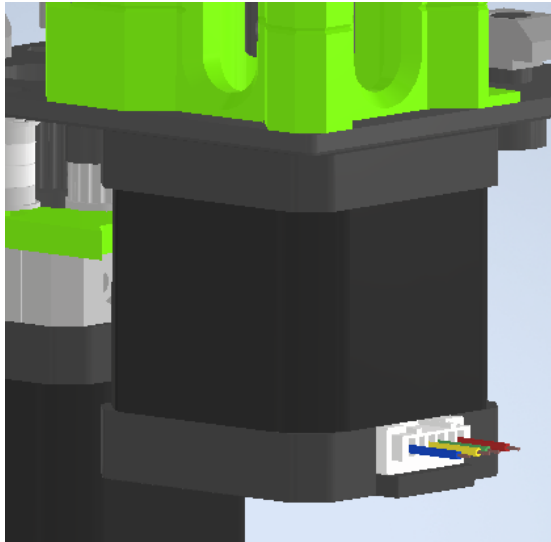
- Insert 2* m3 nuts into [y_motor_lock_bottom2].



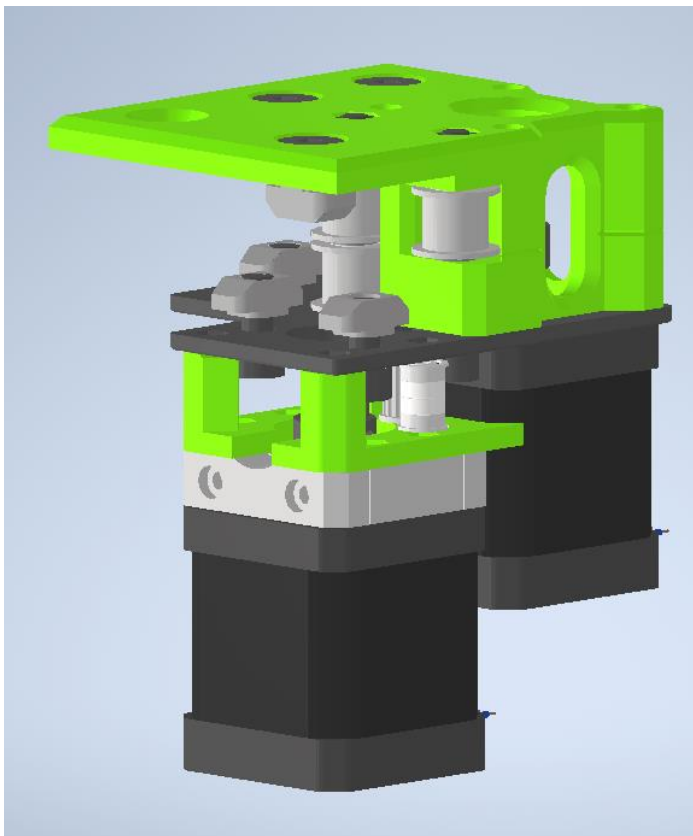
- Insert 2* m3 x 40 screw through [y_motor_lock_bottom1] => [y_motor_lock_bottom3] => [y_motor_lock_bottom2].



- Assemble x_motor to the [Motor plate left].

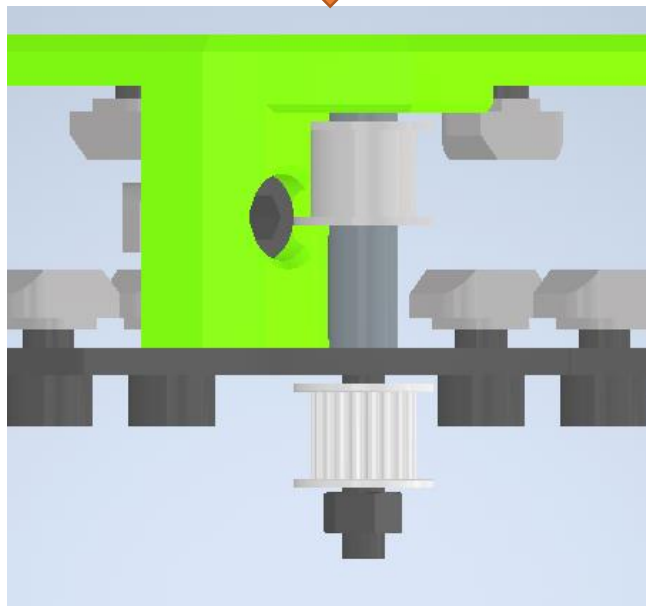
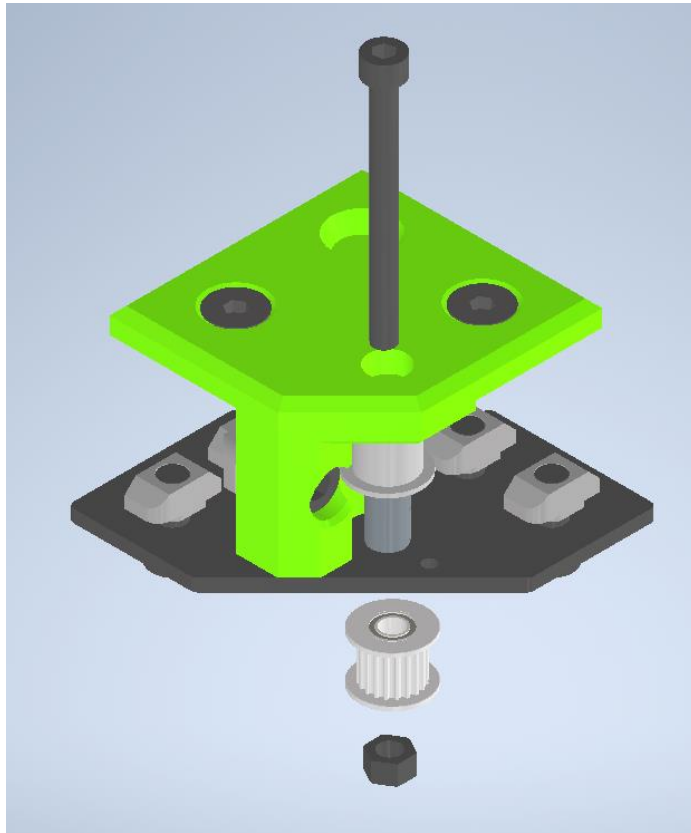


- Complete



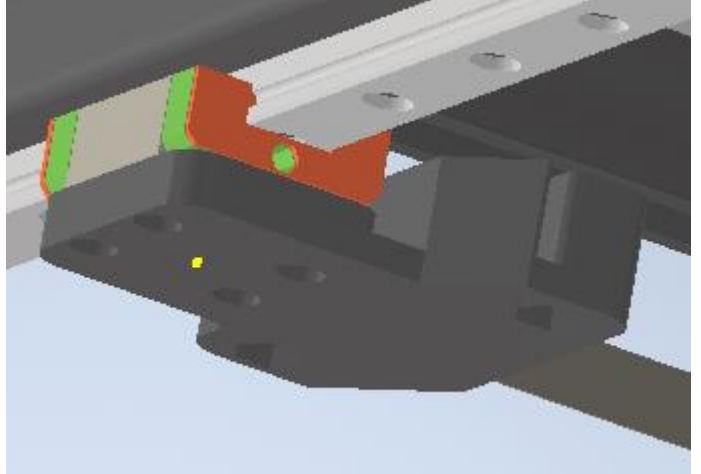
Y Idler

- Replace the m5*40 screw by m5 x 55 screw.
Assemble the Idler and M5 anti-loose nut.



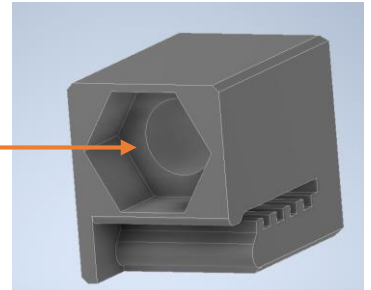
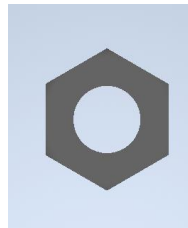
XY Joiner

- Assemble the [xy_joiner_plate_left] in the left mgn rail

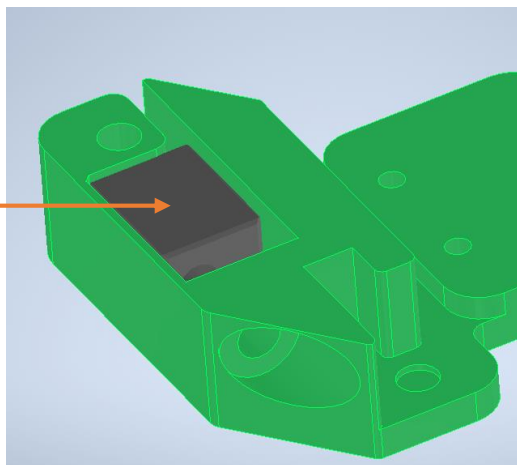
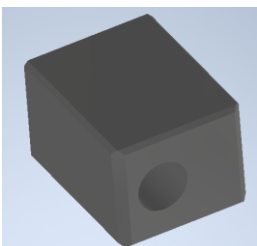


- Cut the [y belts] into $2 \times 1175\text{mm}$.

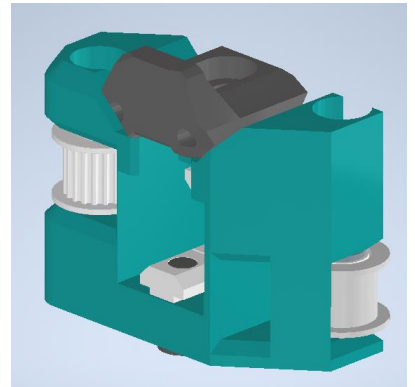
- Insert a M5 nuts into [tension_slider_small_belt_M5]



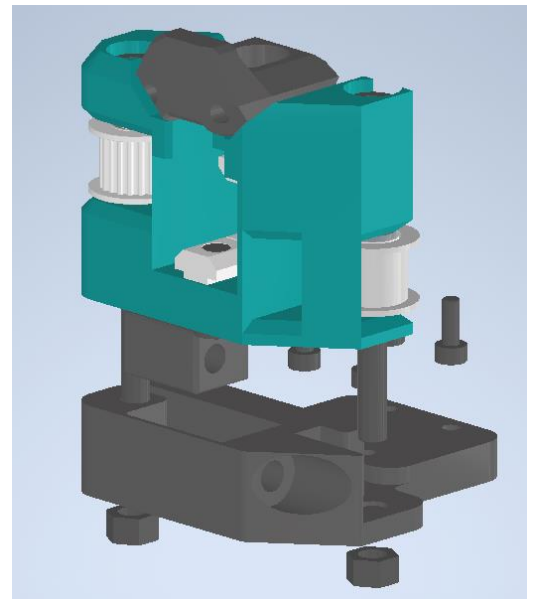
- Attach the one-side belts [tension_slider_small_belt_M5] insert into [xy_joiner_plate_left]



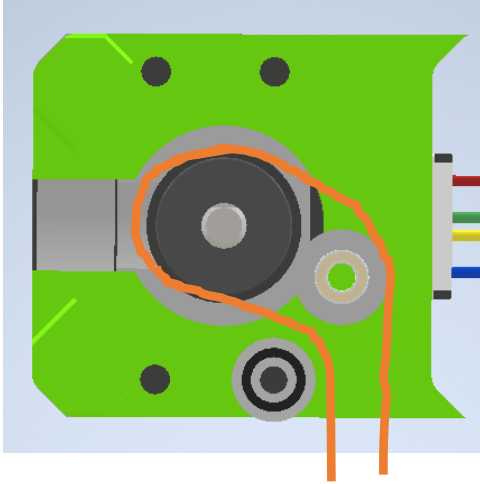
- Repeat the assemble guide on the right side.
- Assemble new [xy_joiner_left] and [xy_joiner_right].



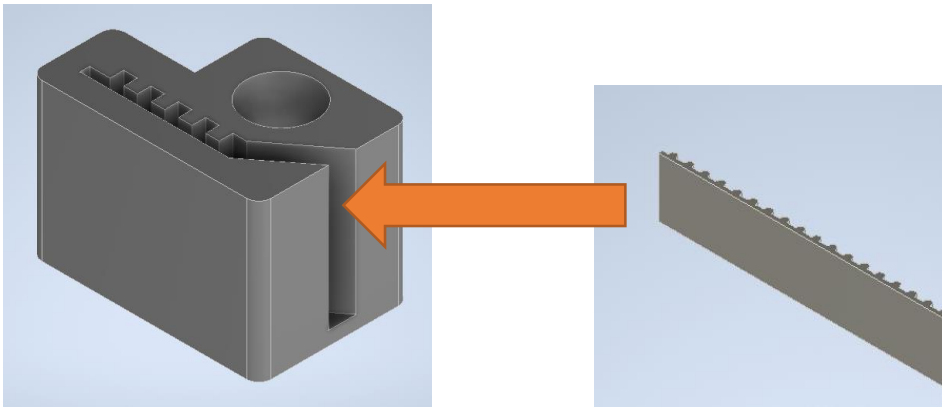
- Attach the [xy_joiner_left] to the x gantry.
- Attach the x gantry to the [xy_joiner_plate_left & right].



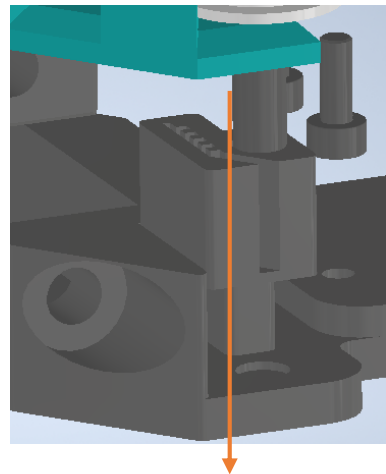
- Push the belt through the y motor.



- Insert the belts terminal into [y_belt_lock_left]

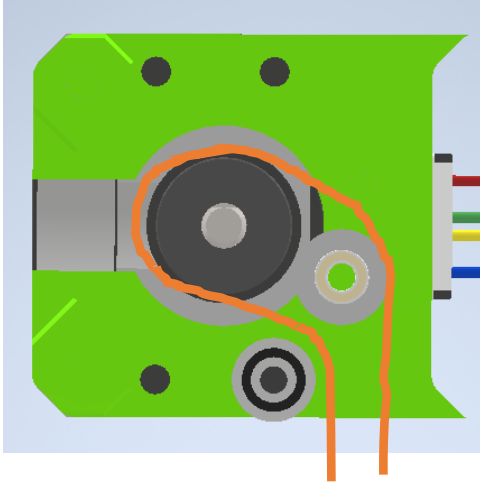


- Use the m5 x 55 screw to install the [y_belt_lock_left].

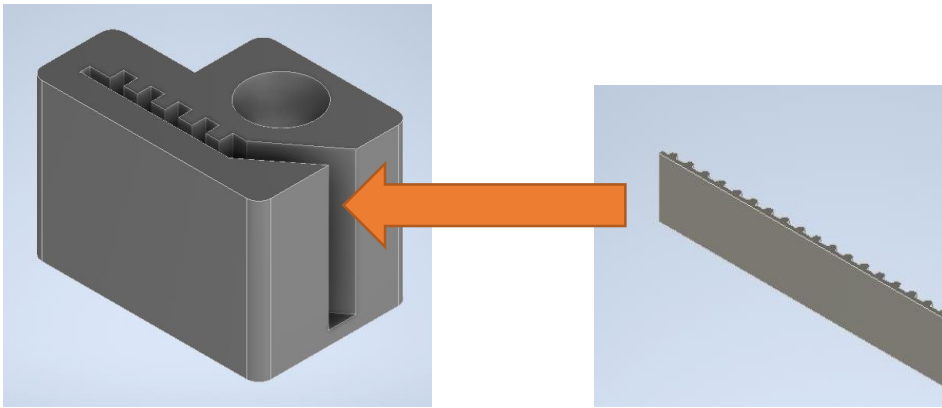


- Then bolt them down with M5 nuts

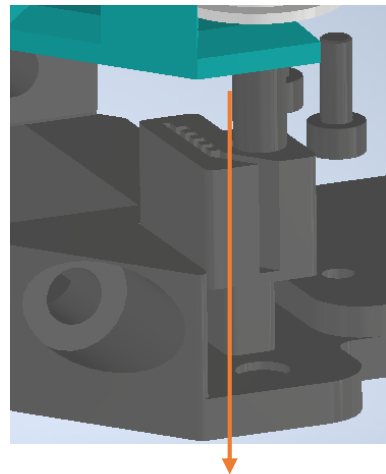
- Push the belt through the y motor.



- Insert the belts terminal into [y_belt_lock_left]

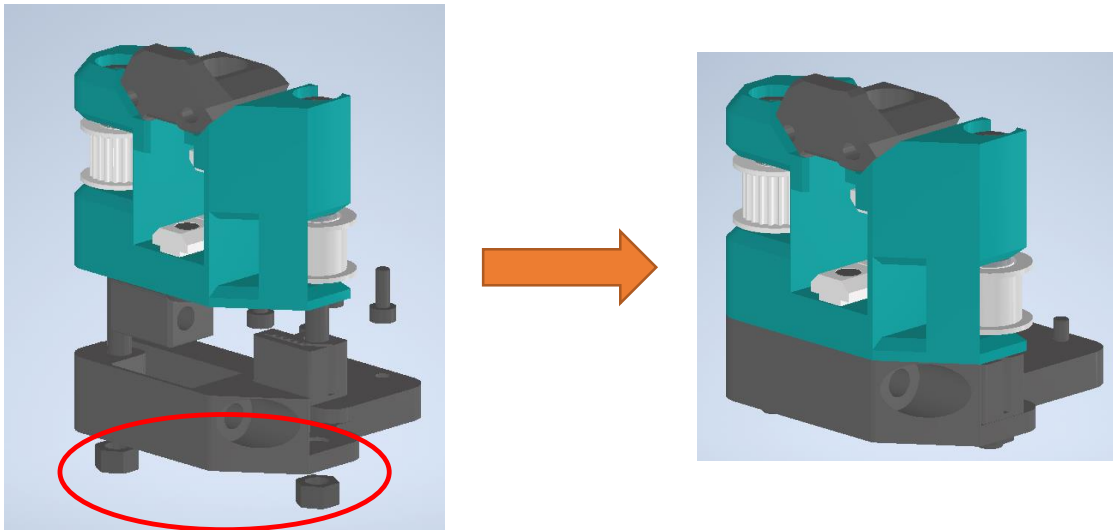


- Use the m5 x 55 screw to install the [y_belt_lock_left].

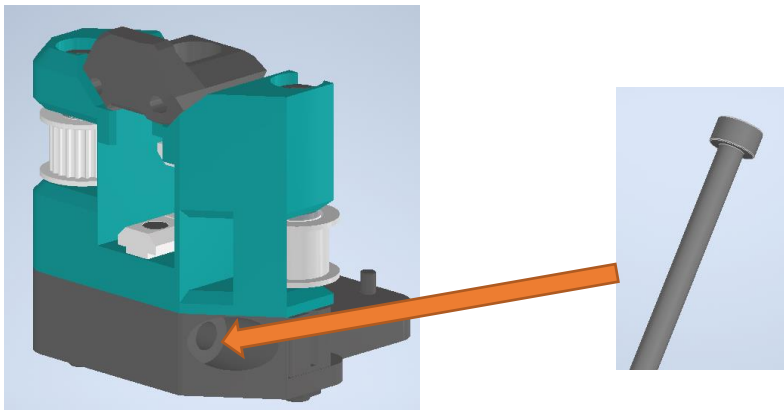


- Then bolt them down with M5 nuts

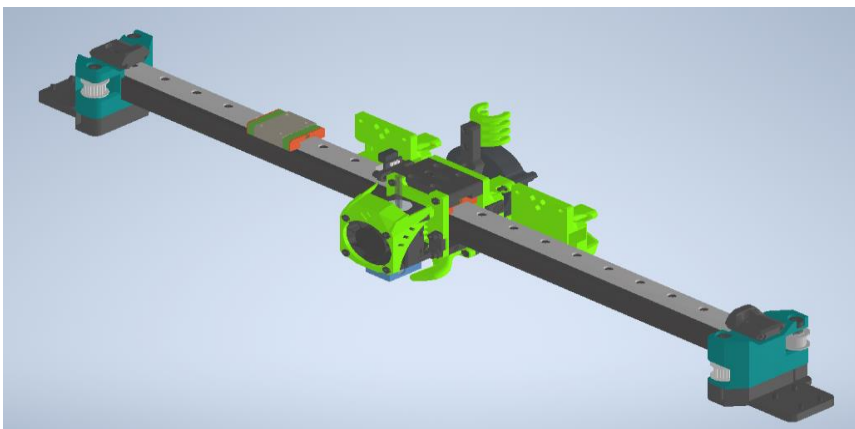
- Then bolt them down with M5 nuts



- Insert m5 x 30 screw to adjust the [tension_slider_small_belt_M5]

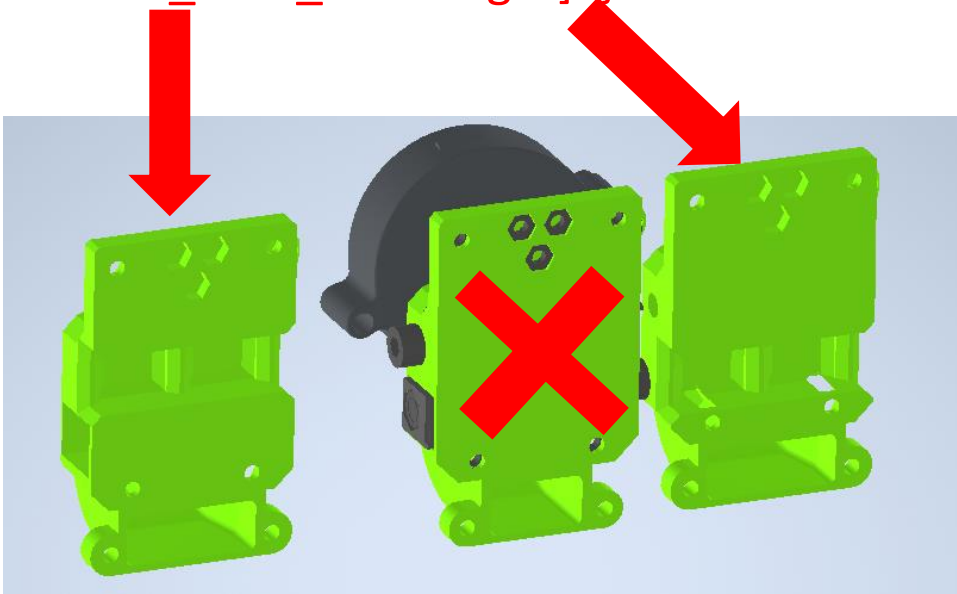


- Repeat it to the right side. Complete



X carriage

- Add another mgn12 carriage and print another carriage.
- **Warning**
{ Replace the original print part with [idexeva2.0_back_left & right]. }



- Belts

