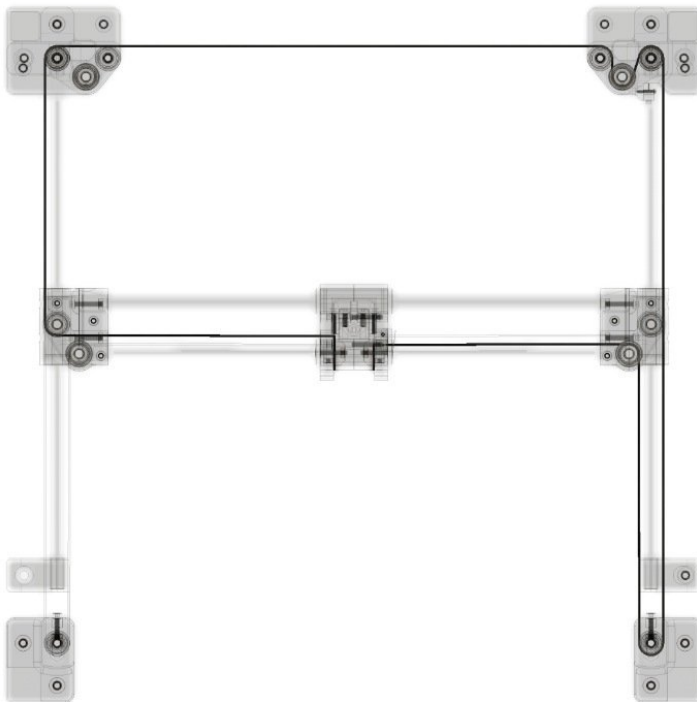


Voron Design

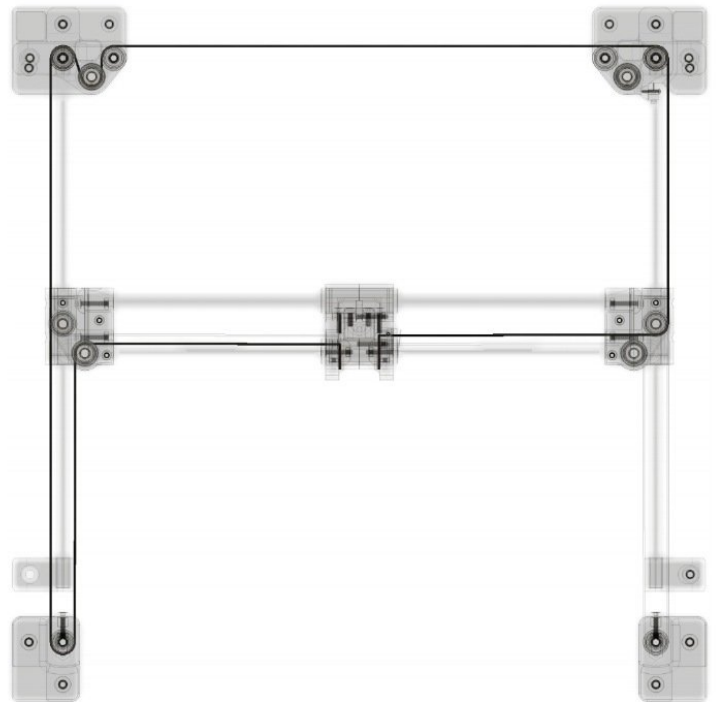
07 - Run the Belts

Written By: ArmyAg08

A Belt



B Belt





TOOLS:

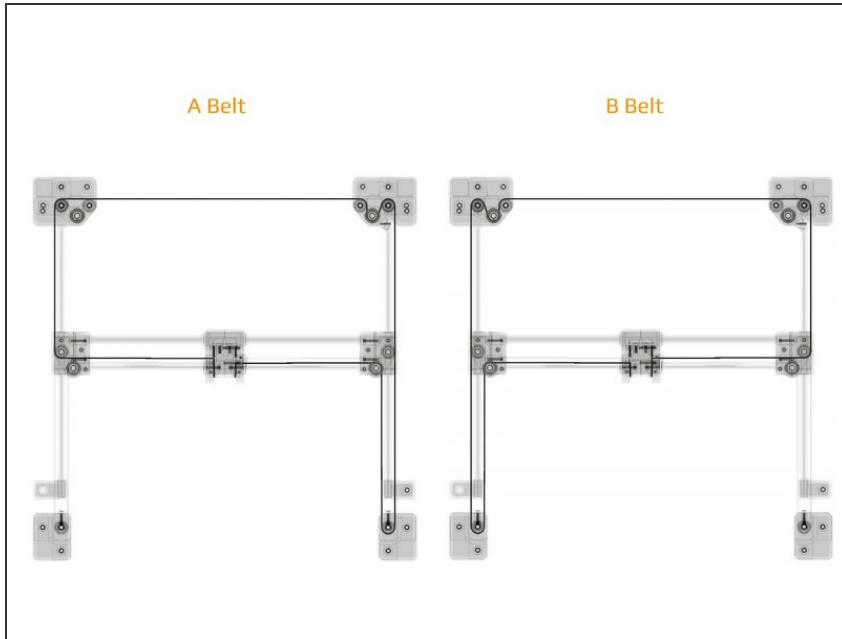
- [Allen Key Set](#) (1)



PARTS:

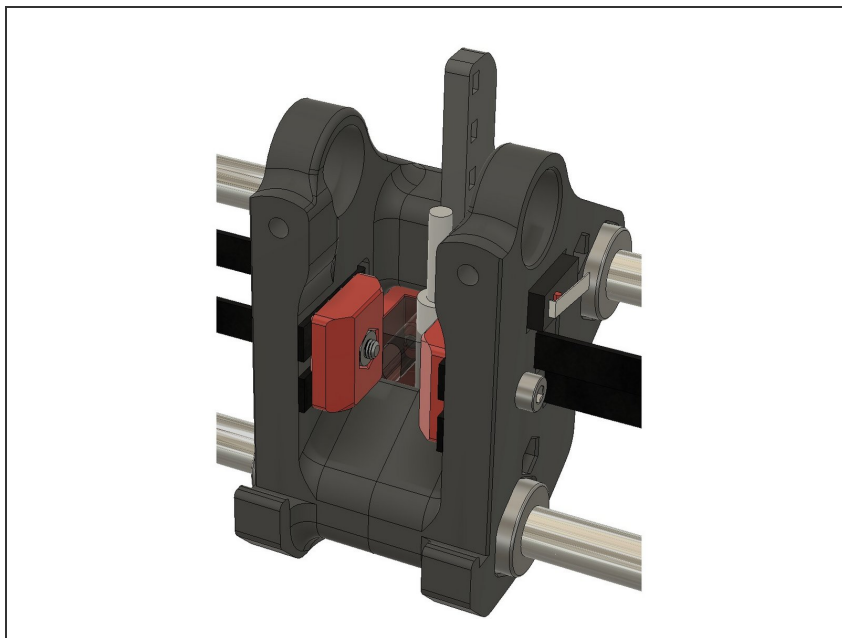
- [GT2 Gates Belt](#) (2)

Step 1 — Review the Belt Path



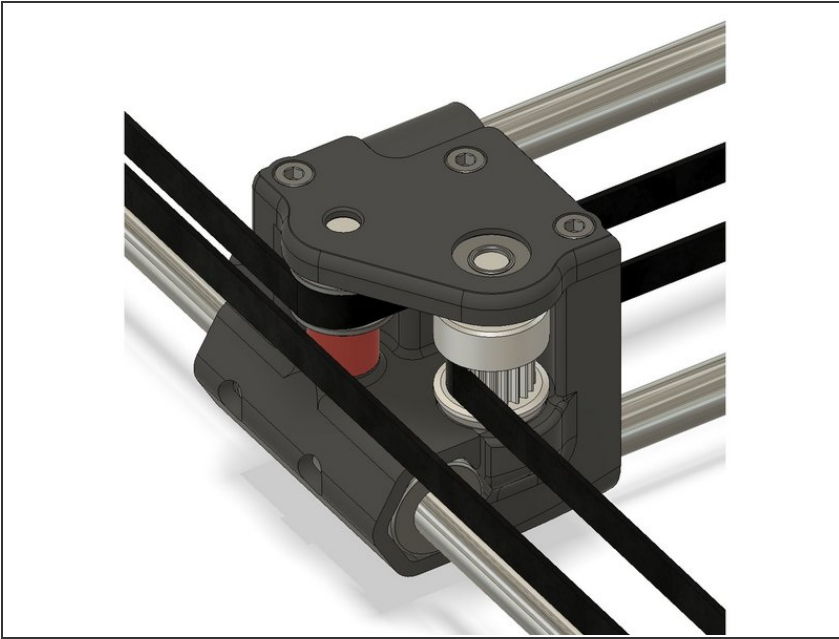
- Study the belt path.
- Best practice is to run one belt before cutting. Use this belt to measure the other belt to the exact same length (by tooth count). Leave at least 1 inch (2-3cm) spare on one side so you can tighten by hand easily.

Step 2



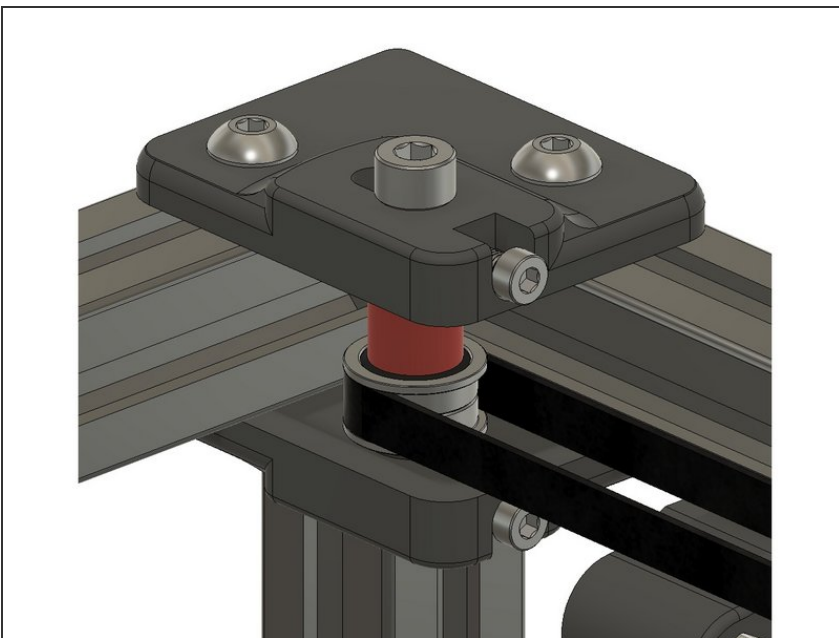
- Start at the carriage. Set the belt flush to the edge and tighten the belt retainer.

Step 3



- Run the belts to the X/Y joints. The toothed side should run against the 20t pulleys. The smooth side should run against the flanged bearings.

Step 4



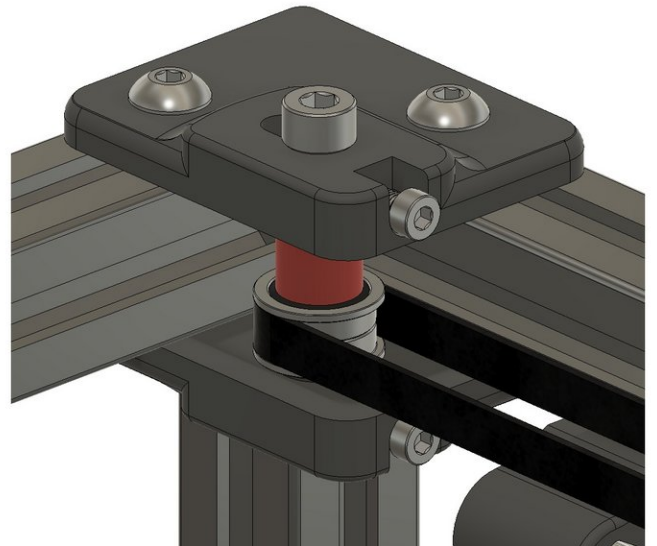
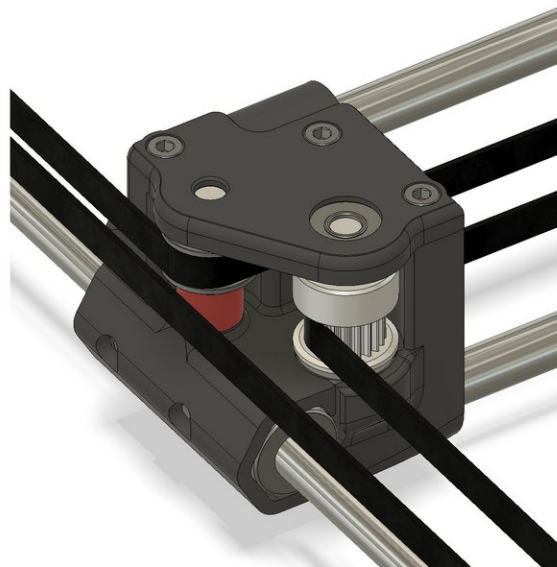
- Run one belt to the front idler/tensioner and back to the X/Y joint.

Step 5



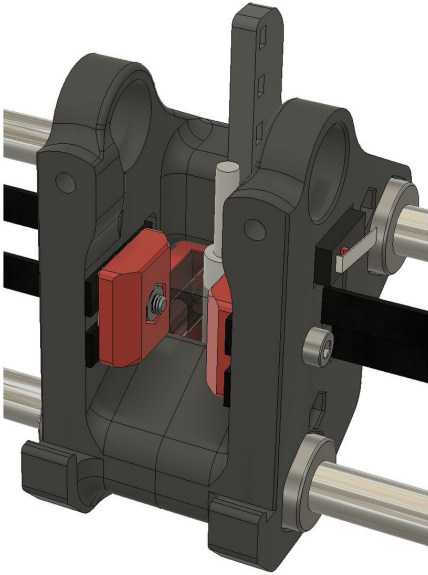
- Continue running both belts to the rear.
- One belt will engage the drive pulley.
- Run both belts across the rear of the frame.
- Run the other belt through the drive gear on the other corner.
- Use paper clips or zip ties to help force the belt along the correct path as necessary.

Step 6



- Run the belts down the other side through the X/Y joint and front idler.

Step 7



- Finish the run at the carriage.
- Double check that your belts both follow the correct path.
- Ensure tensioners on both sides are completely loose.
- If you cut both belts to the exact same length, pull both of them tight and ensure the same length extend beyond the X carriage.
- Tuck spare belt back into the carriage.

Step 8



- [Continue to the A/B motor mounts!](#)