

X/Y Axes Replacement

SOURCE:

<https://support.zortrax.com/m200-axes-replacement/>

Table Of Contents

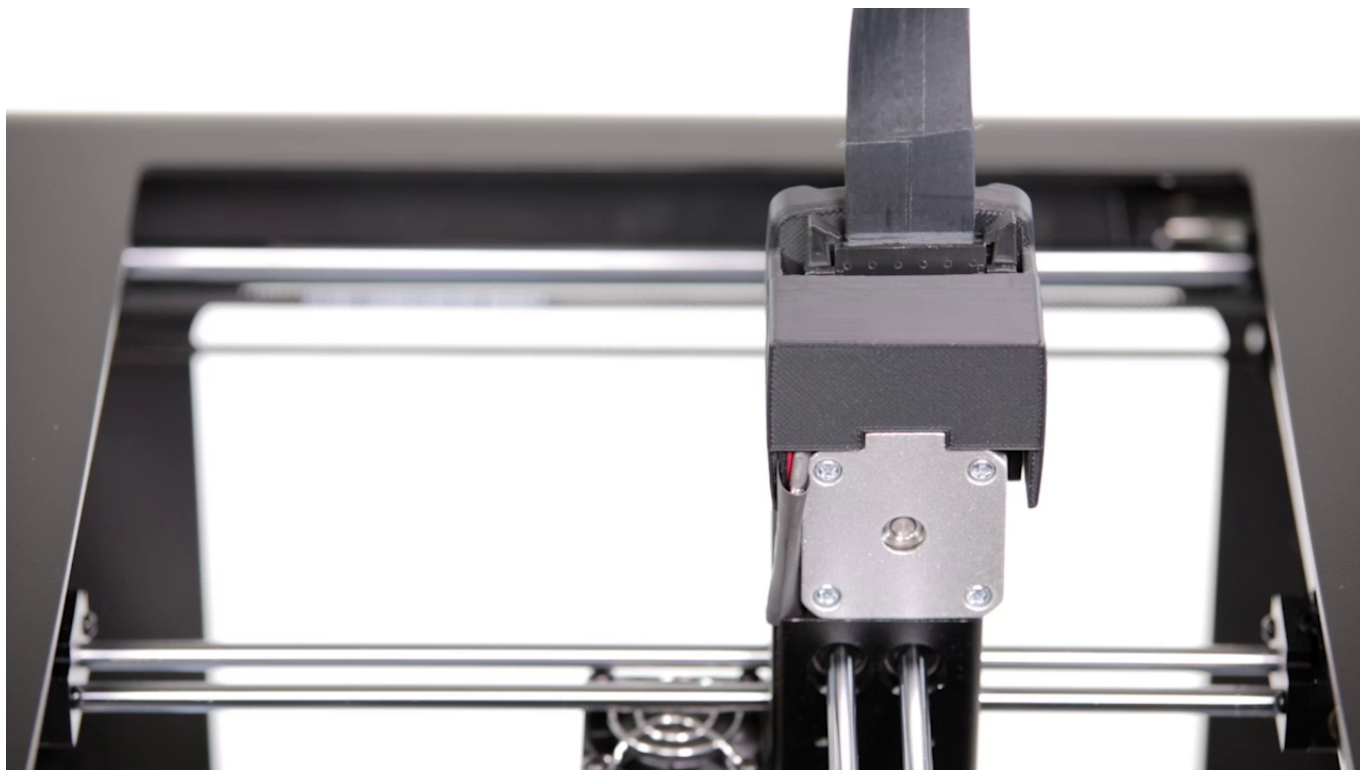
Unplugging the Power Cable	
Unplugging the Extruder Cable	
Unscrewing the Axis Block Covers, part 1	
Unscrewing the Axis Block Covers, part 2	
Extruder Removal	
Unscrewing the Belt Tensioners	
Loosening the Screws on the Self-Aligning Bearings	
Unscrewing the Self-Aligning Bearings	
Axis Removal	
Axis Assembly	
Securing the Self-Aligning Bearings	
Tightening the Screws on the Self-Aligning Bearings	
Extruder Installation	
Securing the Axis Block Covers, part 1	
Securing the Axis Block Covers, part 2	
Securing the Belt Tensioners	
Tightening the Screws on the Axis Block Covers	
Tightening the Self-Aligning Bearing Screws	

Unplugging the Power Cable



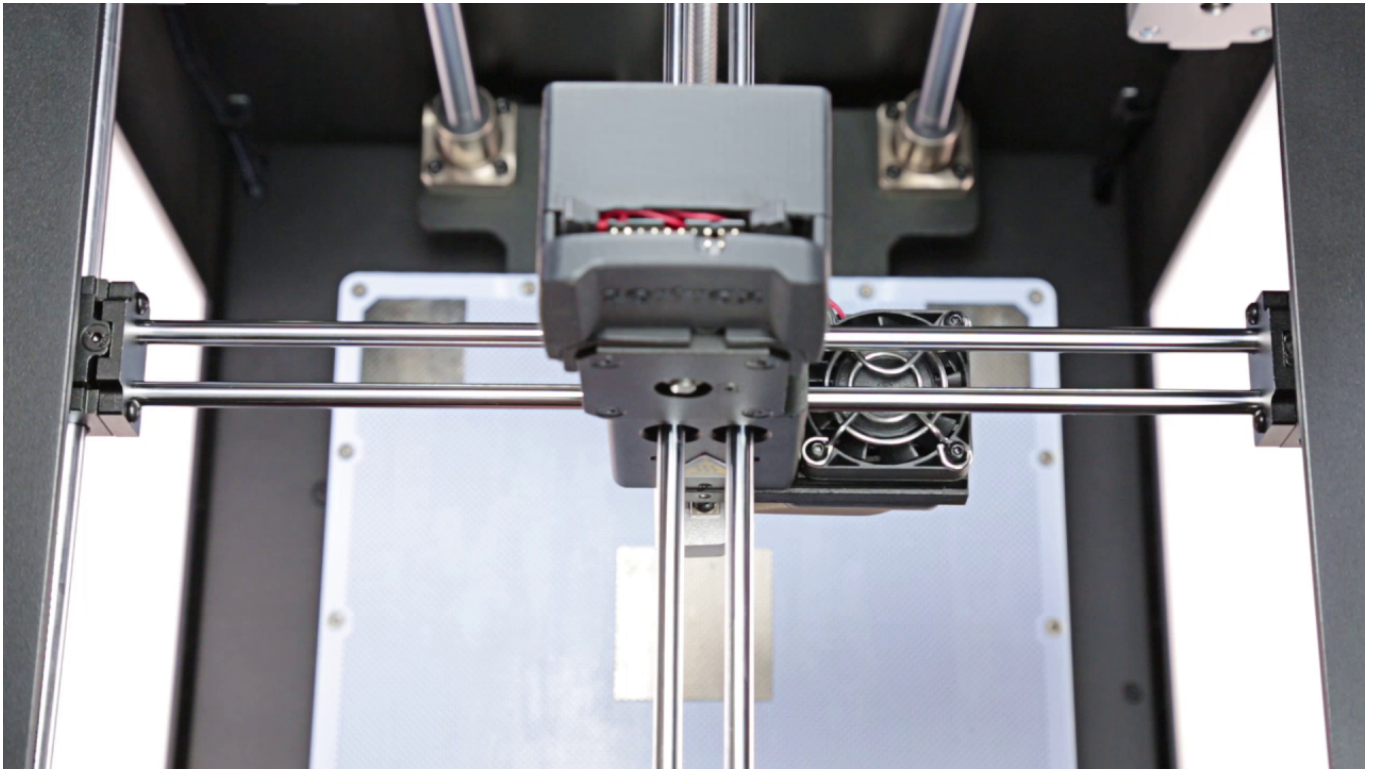
Turn off the printer and unplug the power cable.

Unplugging the Extruder Cable



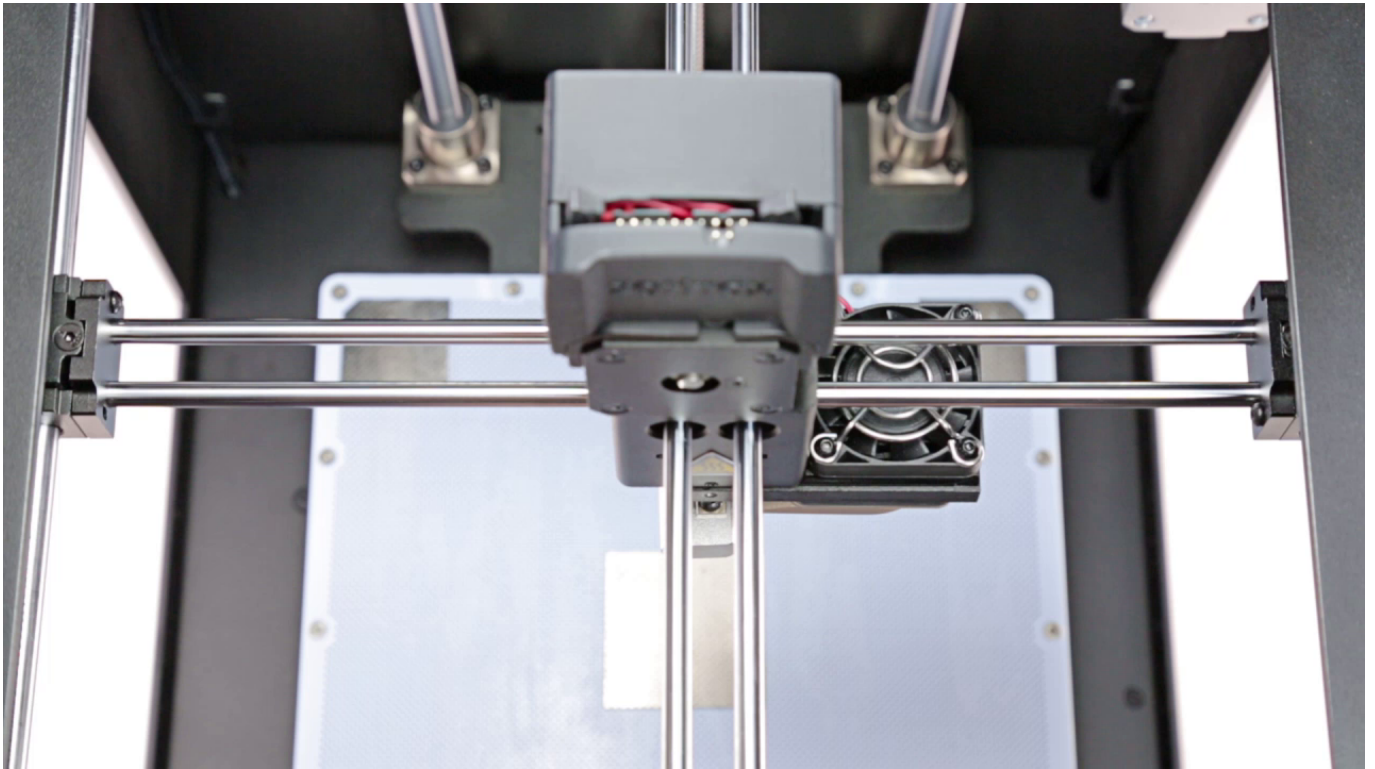
Unplug the extruder cable.

Unscrewing the Axis Block Covers, part 1



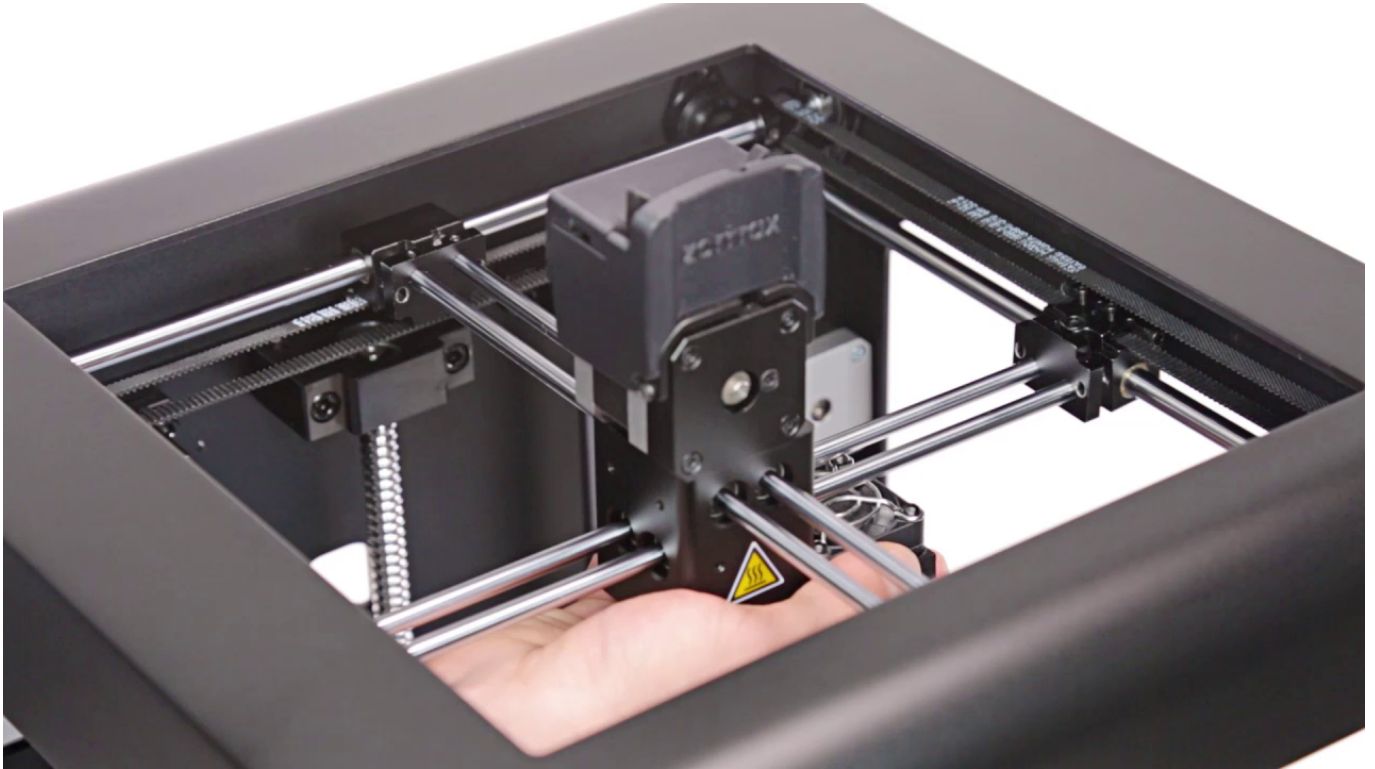
Unscrew one screw that secures the axis block cover on each block.

Unscrewing the Axis Block Covers, part 2



Unscrew the other screw that secures the axis block cover on each block.

Extruder Removal



Remove the extruder along with its guide rails.

Unscrewing the Belt Tensioners



Unscrew the screw that secures the belt tensioner on each axis block and remove the belt from the block.

The Y axis belt tensioners are placed on top of the Y axis blocks, whereas the X axis belt tensioners are placed on the bottom of the X axis blocks.

Loosening the Screws on the Self-Aligning Bearings



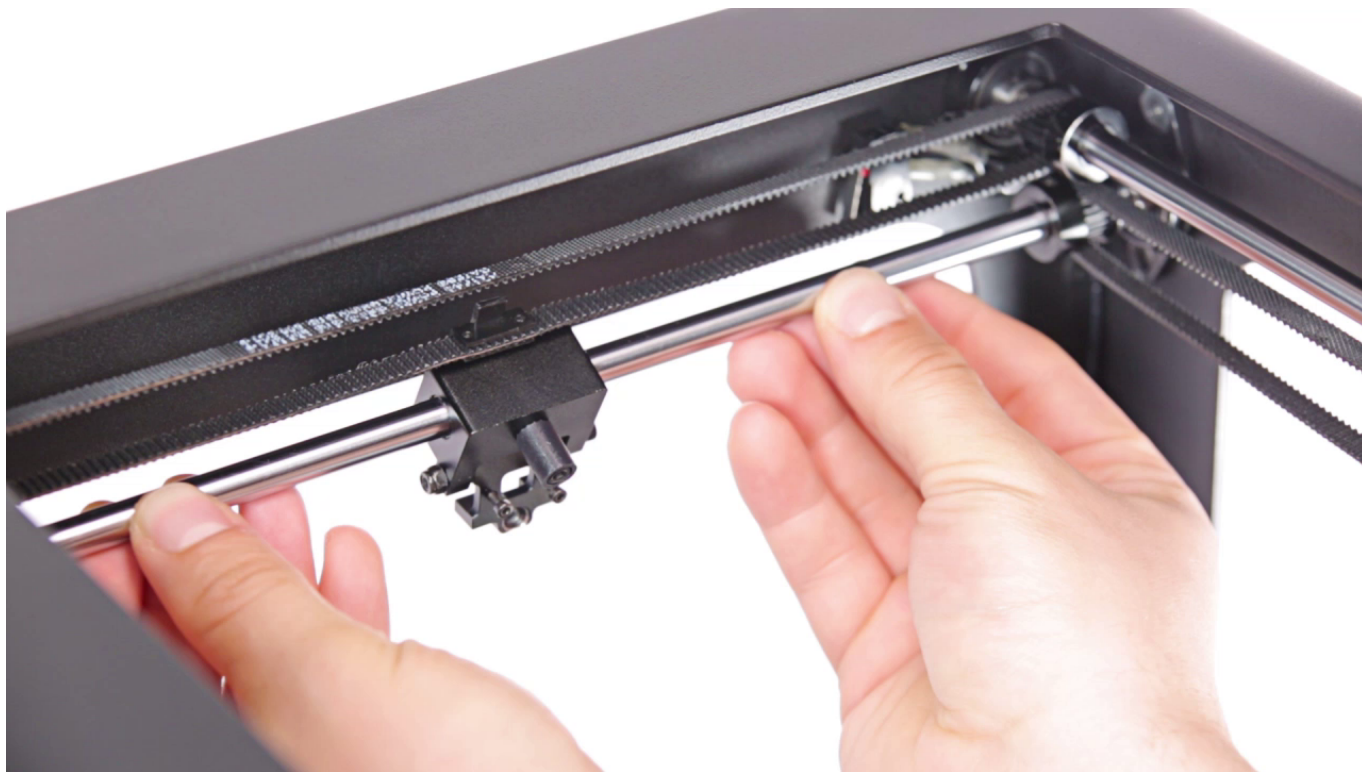
Loosen the screws on the self-aligning bearings on both sides of the X axis.

Unscrewing the Self-Aligning Bearings



Unscrew the screws that secure the self-aligning bearings. Use a wrench or pliers to hold the nuts of the screws.

Axis Removal



Remove the belts from the ends of the axis and remove the axis from the printer.

Axis Assembly



Place the new axis in the printer by putting the belts on it.

Securing the Self-Aligning Bearings



Secure the self-aligning bearings with the screws.

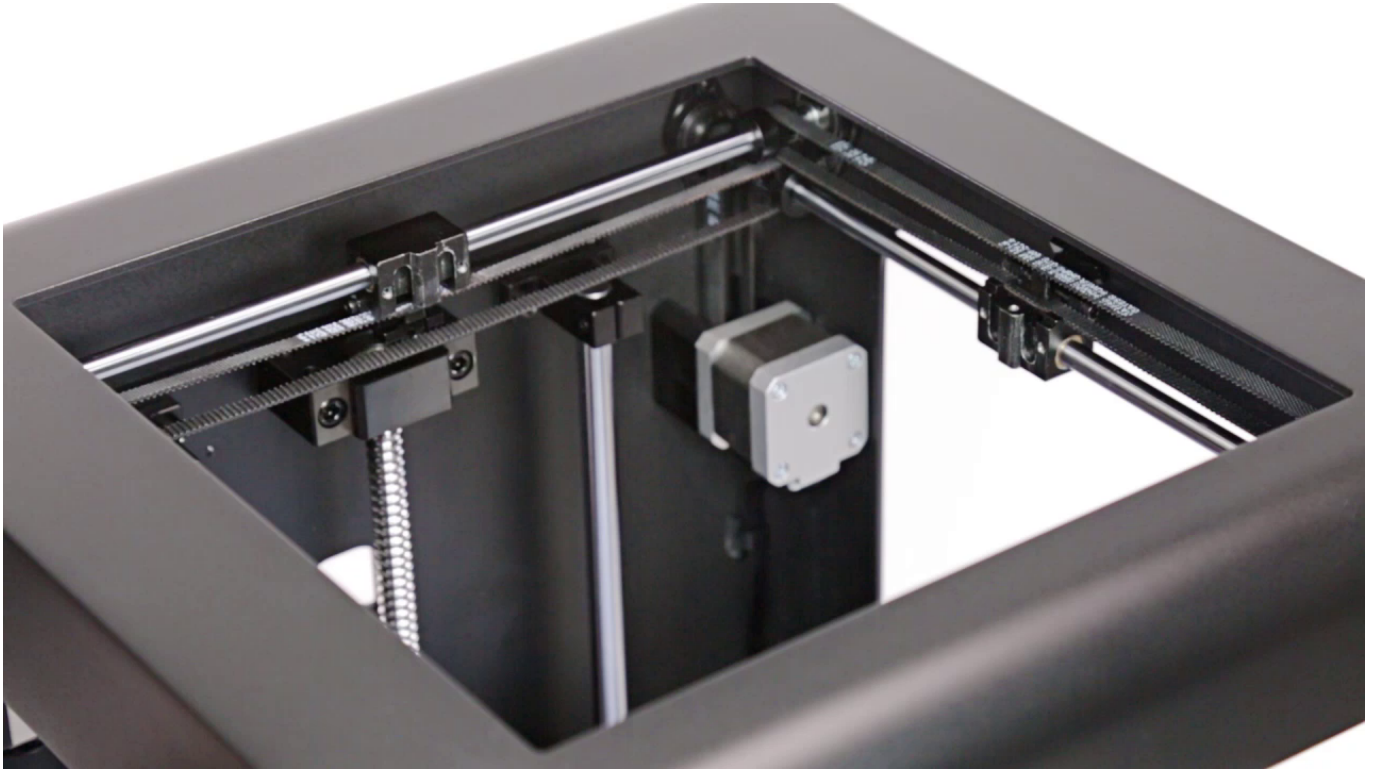
Do not fully tighten the screws yet. They need to be left slightly loose until the assembly of the axis is finished.

Tightening the Screws on the Self-Aligning Bearings



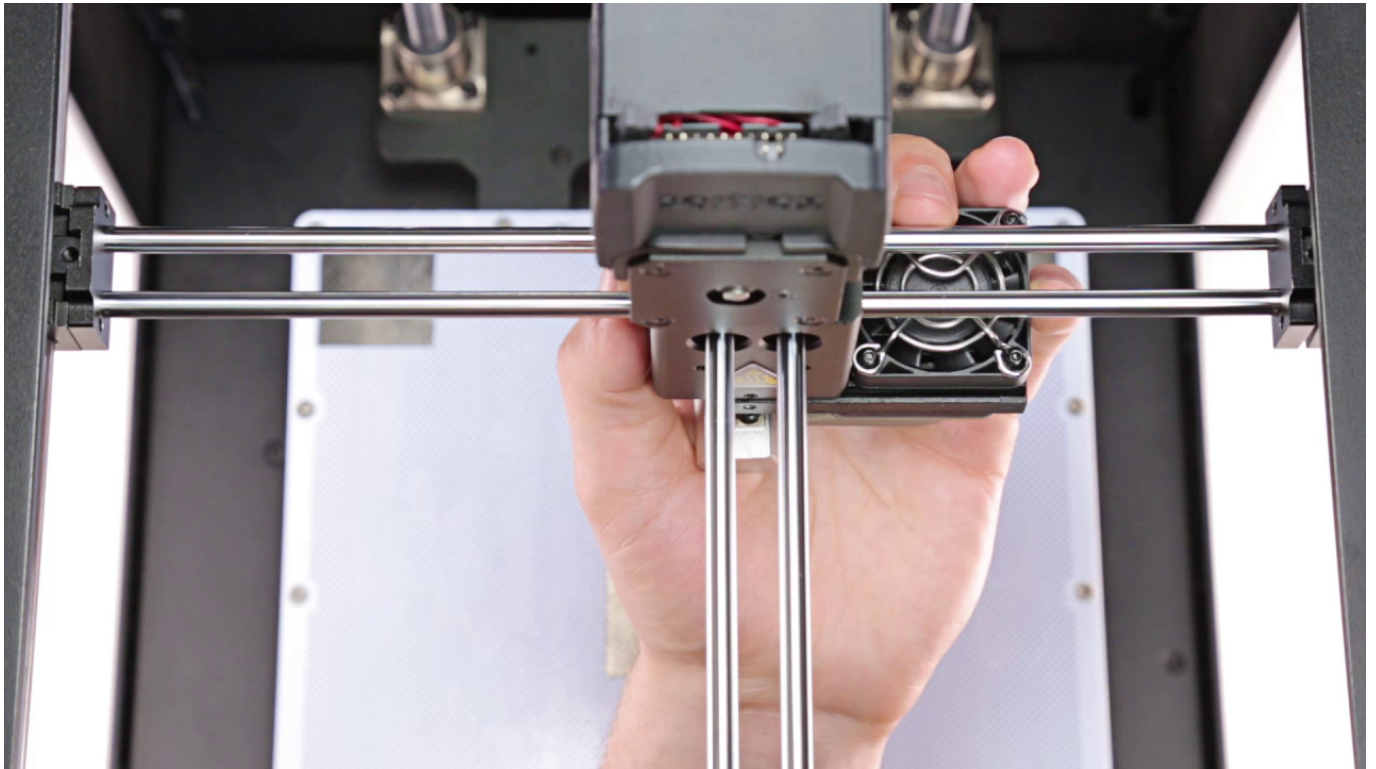
Tighten the screws on the self-aligning bearings on both sides of the X axis.

Extruder Installation



Install the extruder with its guide rails.

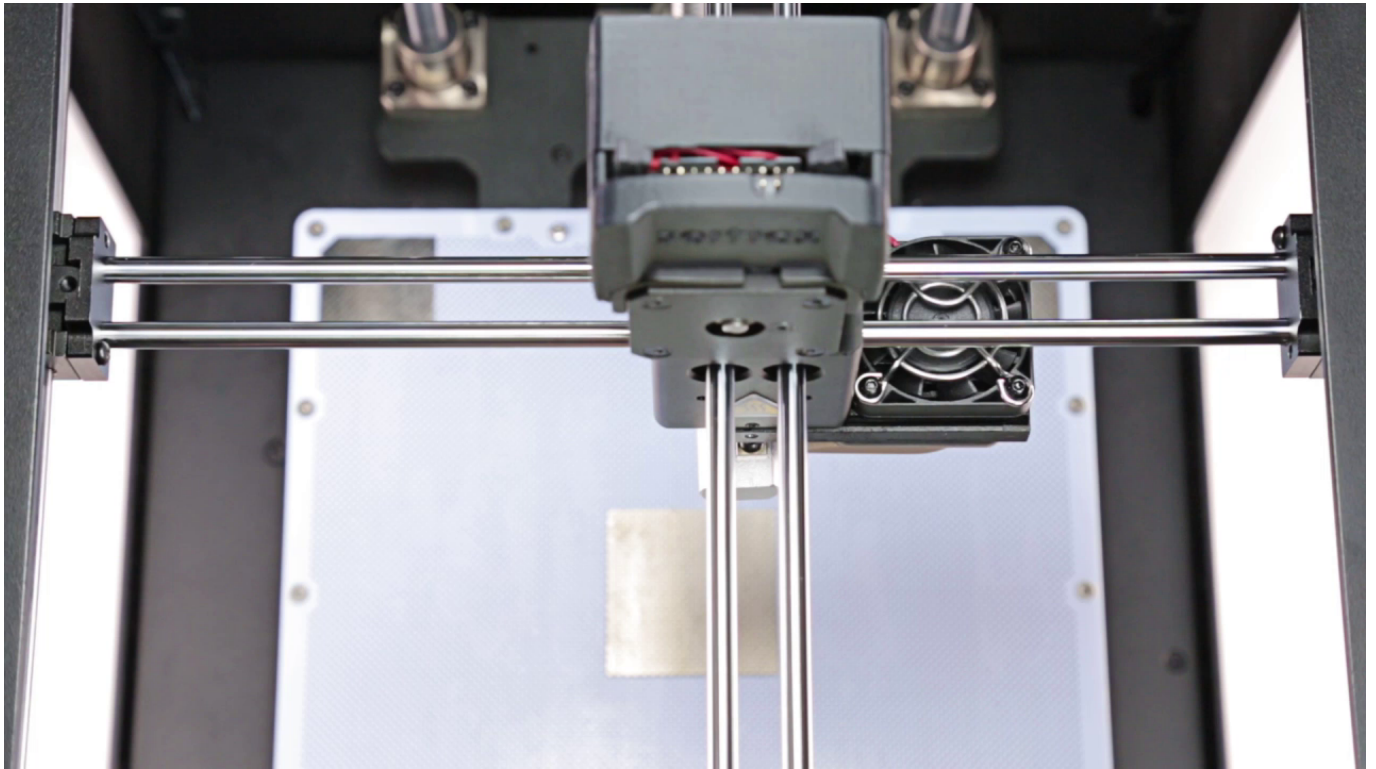
Securing the Axis Block Covers, part 1



Tighten one screw that secures the axis block cover on each block.

Do not tighten the screws fully yet. They need to be tightened once the axis assembly is finished.

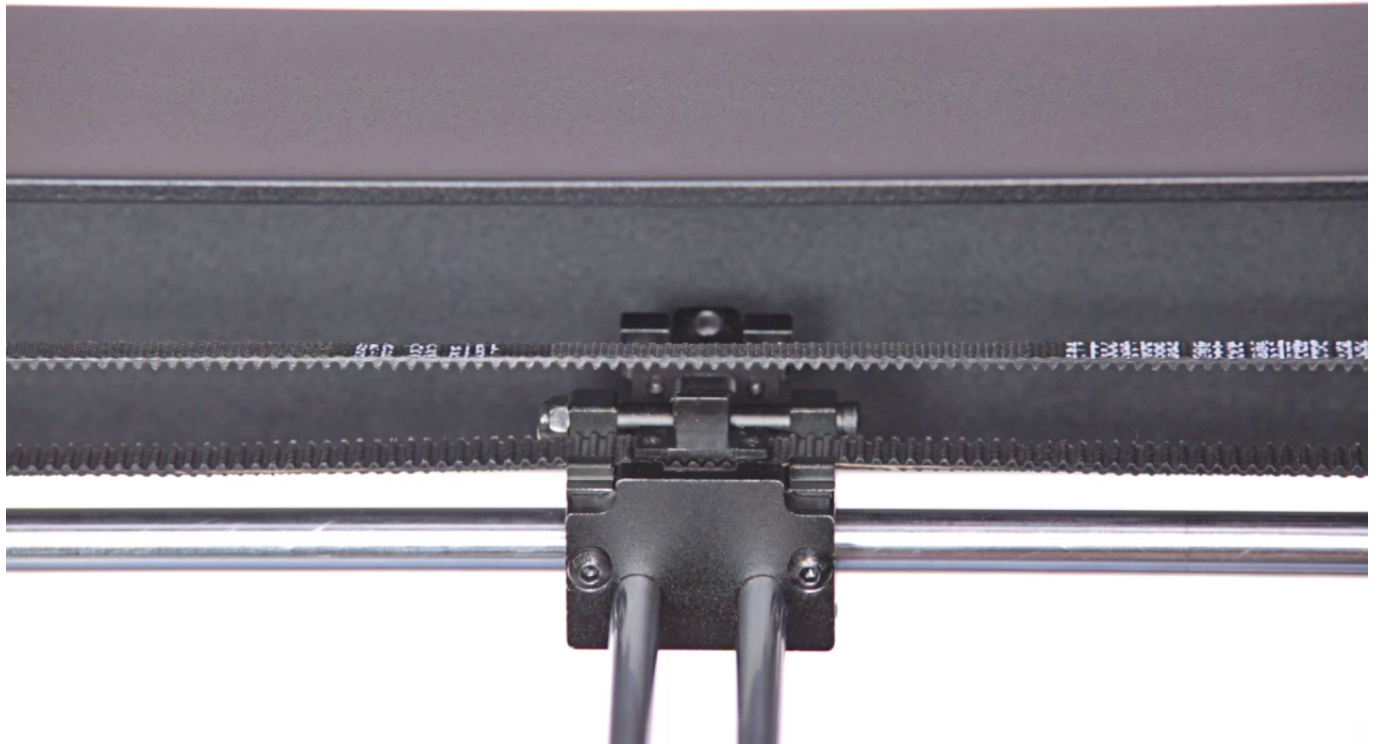
Securing the Axis Block Covers, part 2



Tighten the other screws on top of each axis block.

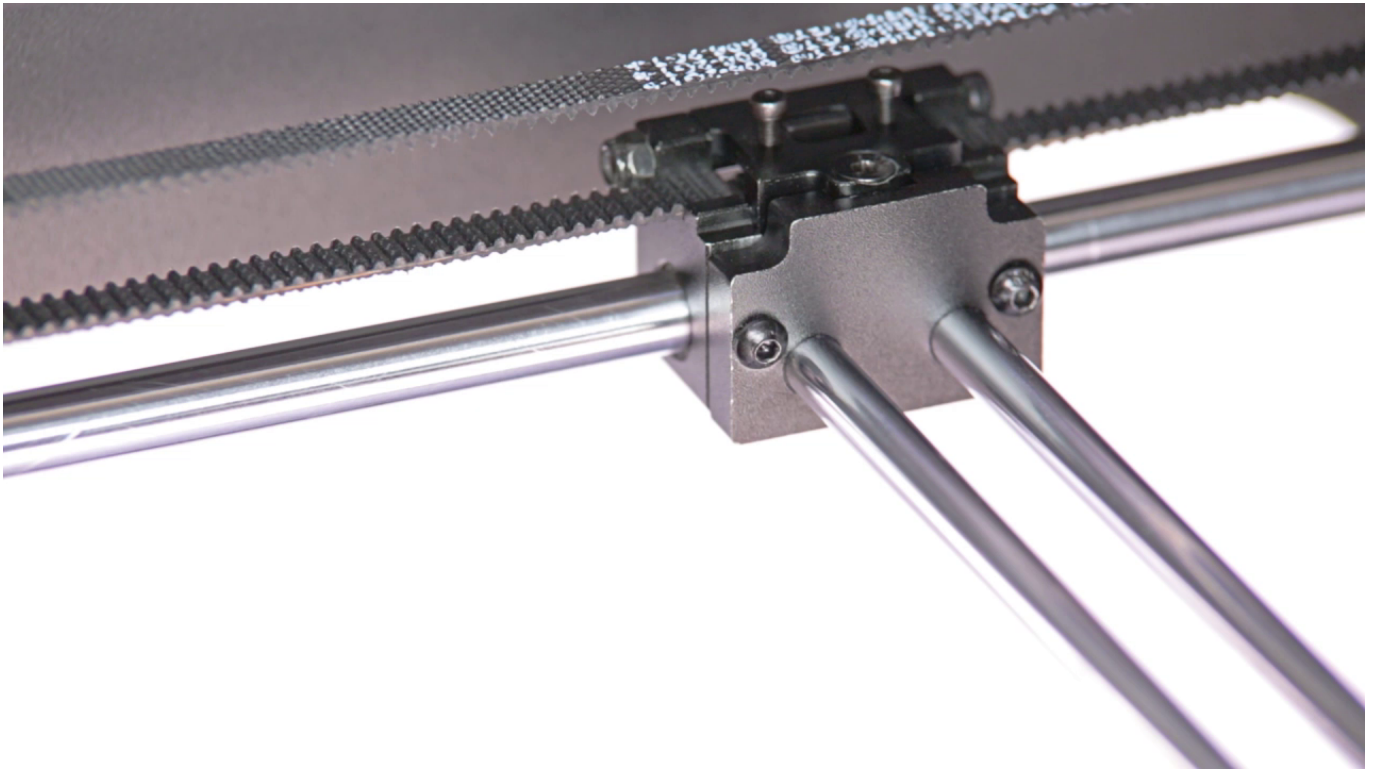
Do not tighten the screws fully yet. They need to be tightened once the axis assembly is finished.

Securing the Belt Tensioners



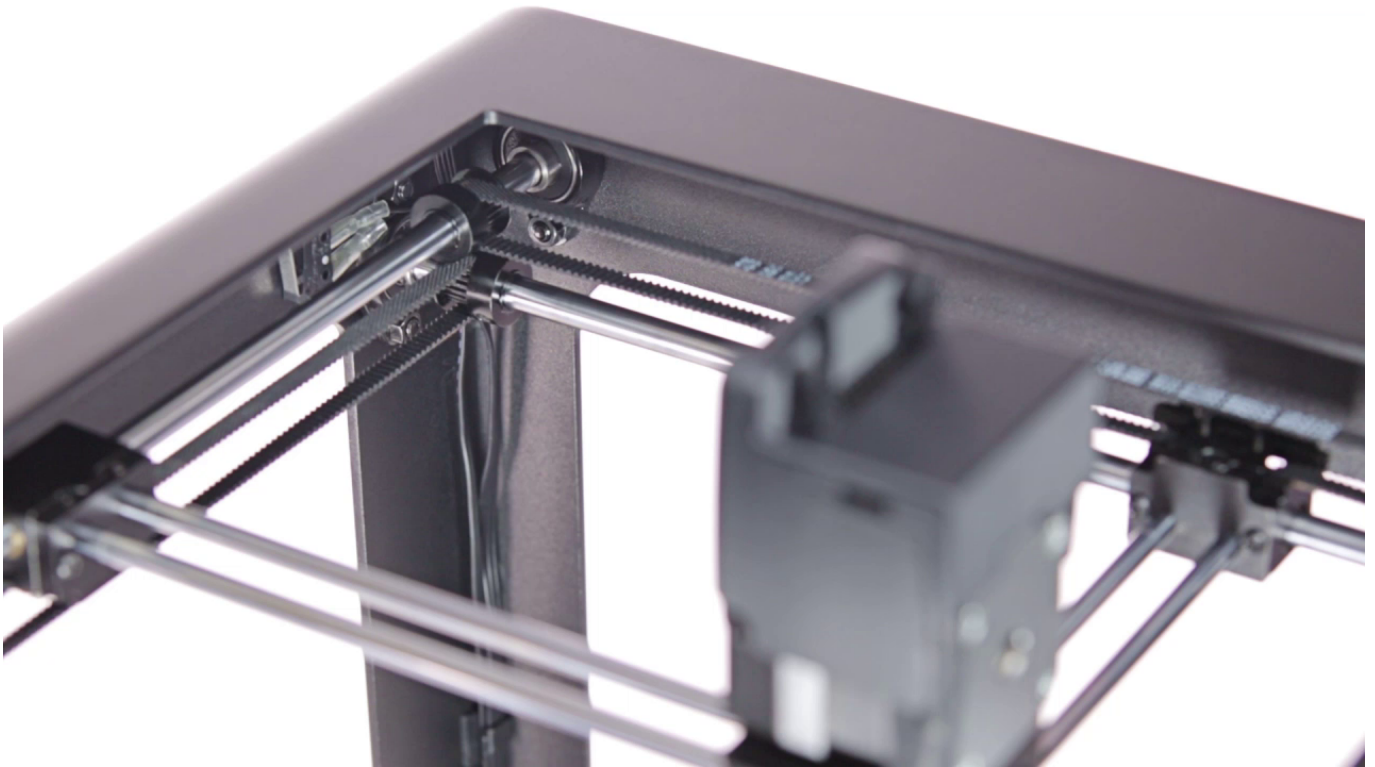
Put the belts inside the belt tensioners. Secure each tensioner with the screw.

Tightening the Screws on the Axis Block Covers



Finish tightening the screws on each axis block covers.

Tightening the Self-Aligning Bearing Screws



Tighten the screws that secure the self-aligning bearings on both sides of the housing.