

# Belts Replacement

SOURCE:

<https://support.zortrax.com/belts-replacement/>

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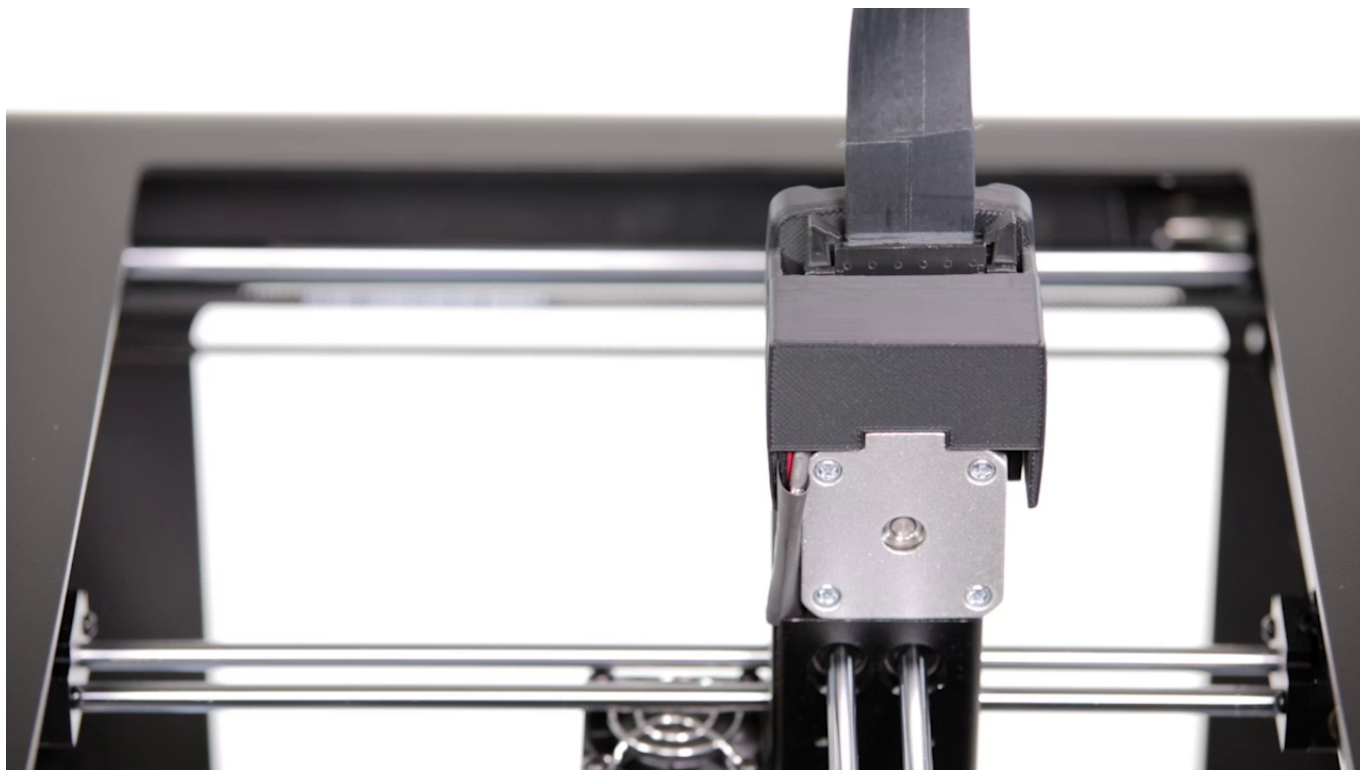
Tightening the Self-Aligning Bearing Screws

## Unplugging the Power Cable



Turn off the printer and unplug the power cable.

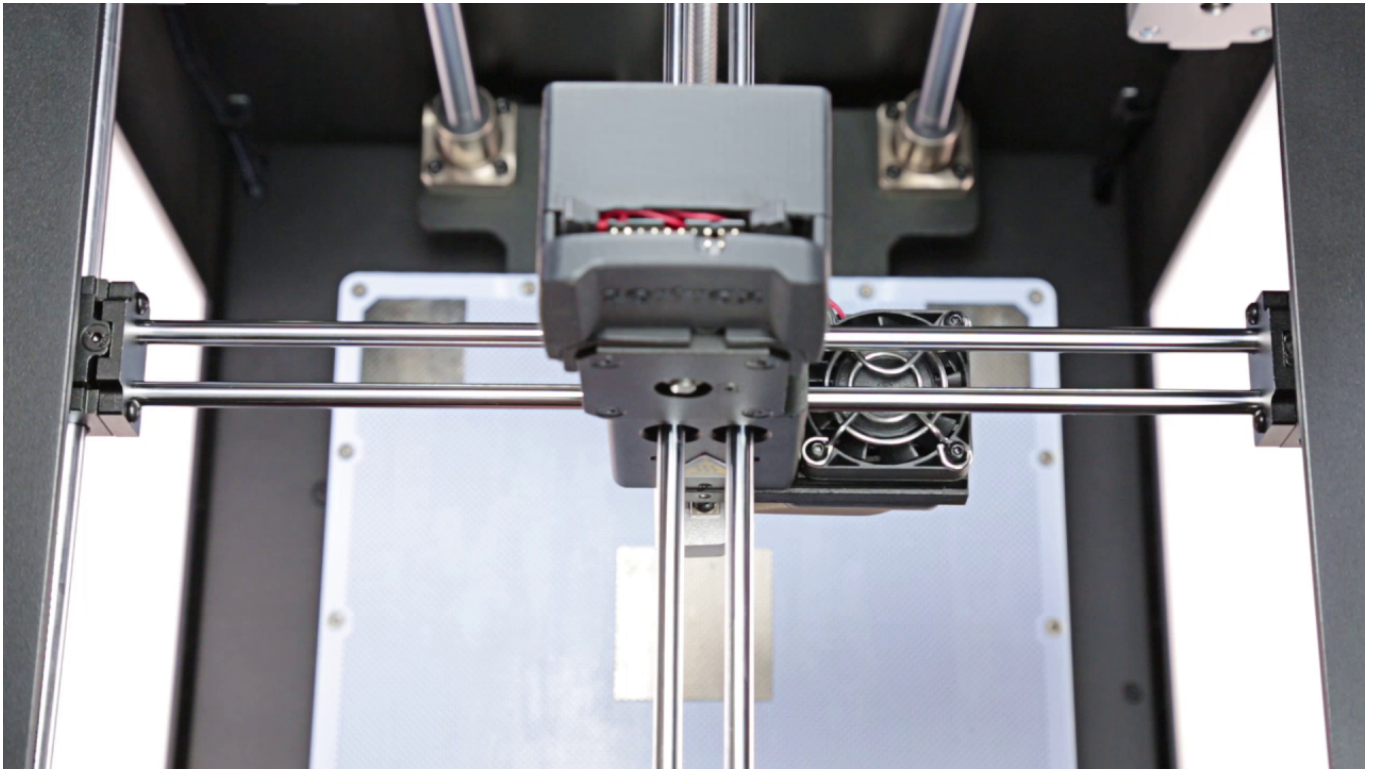
## Unplugging the Extruder Cable



Unplug the extruder cable.

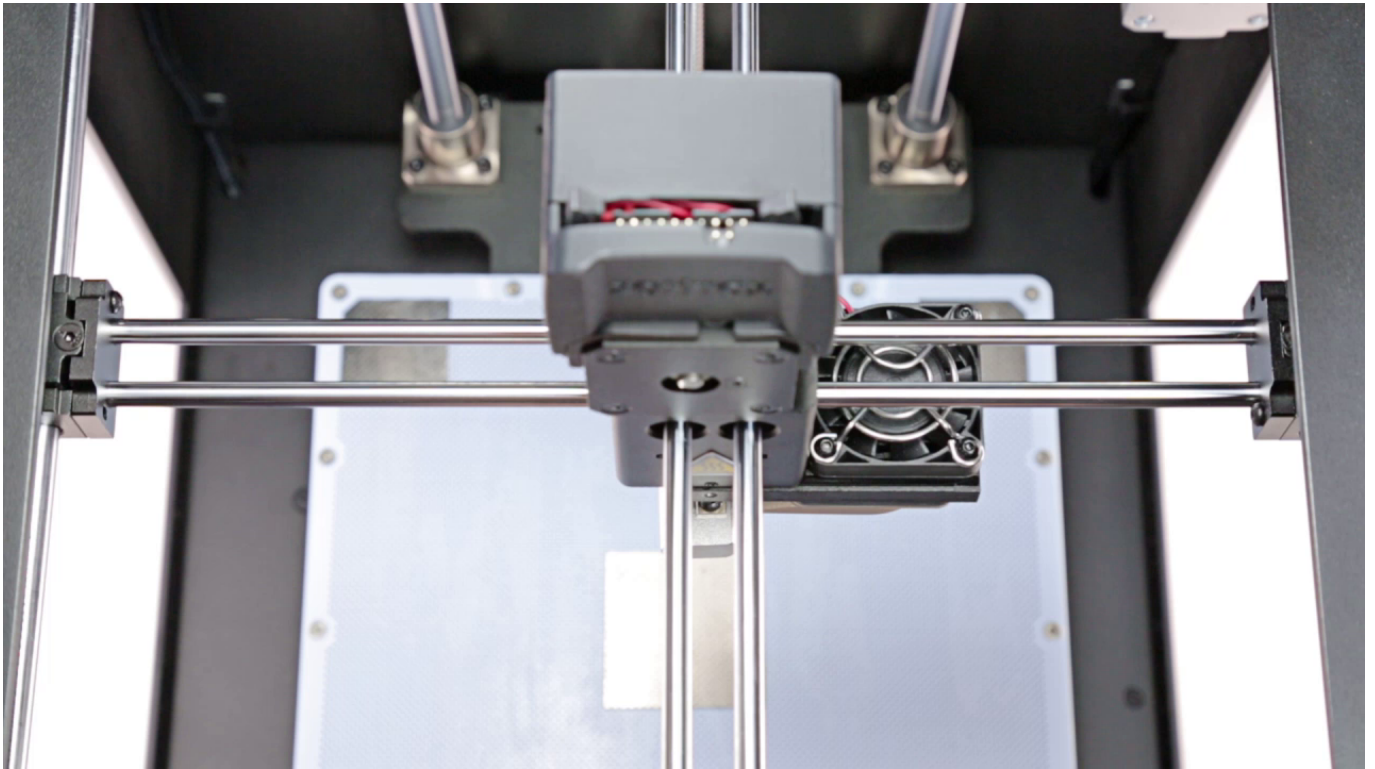


## Unscrewing the Axis Block Covers, part 1



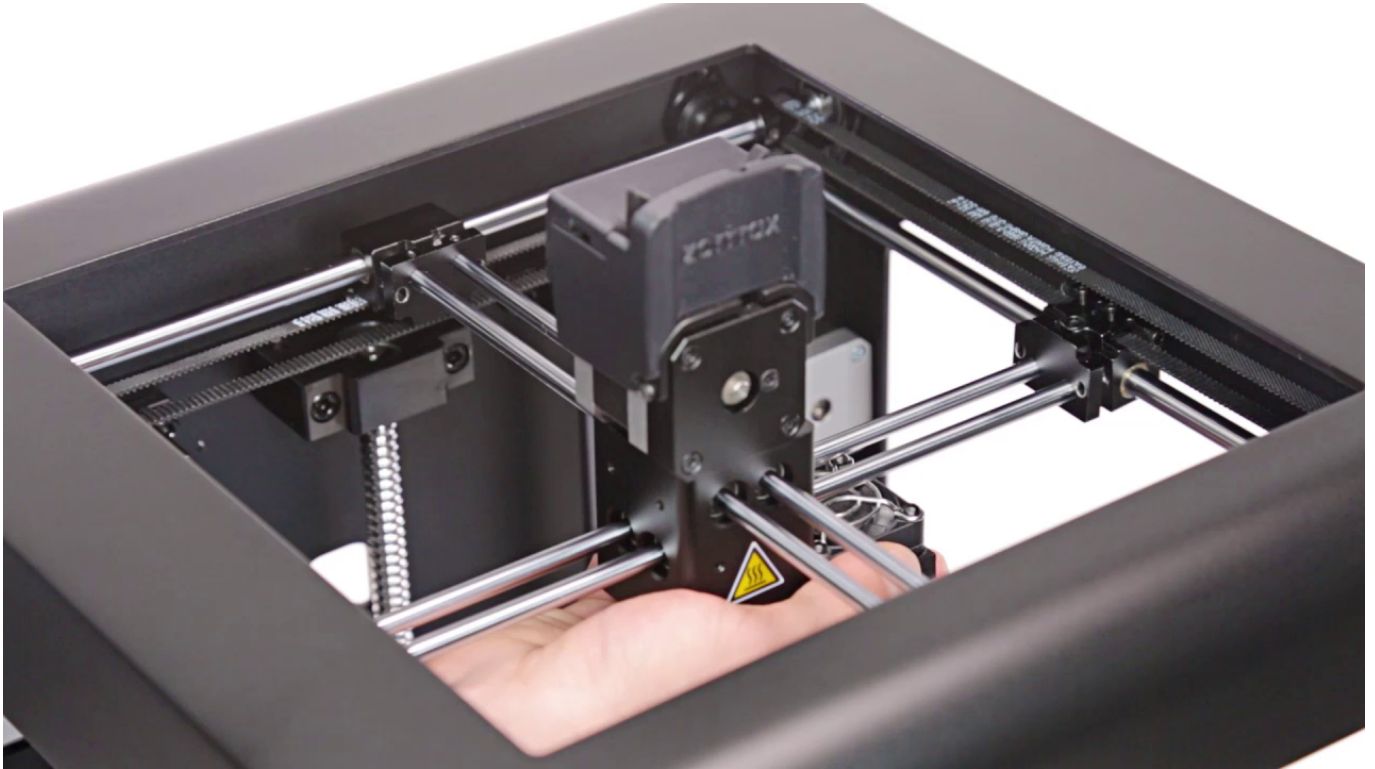
Unscrew one screw that secures the axis block cover on each block.

## 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.

# Lower Long Belt Replacement

## UNSCREWING THE BELT TENSIONERS



Unscrew the screw that secures the belt tensioner on the belt to be replaced 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 axis blocks.

## LOOSENING THE SCREWS ON THE SELF-ALIGNING BEARINGS





Loosen the screws on the self-aligning bearings on the axes that hold the lower long belt.

### **UNSCREWING THE SELF-ALIGNING BEARING, PART 1**



Unscrew the self-aligning bearing of the axis that holds the lower long belt to be replaced. Use a wrench or pliers to hold the nuts of the screws.

## **UNSCREWING THE SELF-ALIGNING BEARING, PART 2**



Unscrew the other self-aligning bearing of the axis that holds the lower long belt to be replaced. Use a wrench or pliers to hold the nuts of the screws.

## **LOWER LONG BELT REMOVAL**





Remove the lower long belt from the axes that hold it.

## **LOWER LONG BELT INSTALLATION**



Put the new lower long belt on the axes that hold it.

## **SECURING THE SELF-ALIGNING BEARING, PART 1**



Secure the self-aligning bearing of the axis that holds the lower long belt.

## **SECURING THE SELF-ALIGNING BEARING, PART 2**





Secure the other self-aligning bearing of the axis that holds the lower long belt.

### **TIGHTENING THE SCREWS ON THE SELF-ALIGNING BEARINGS**



Tighten the screws on the self-aligning bearing of the axis that holds the lower long belt.

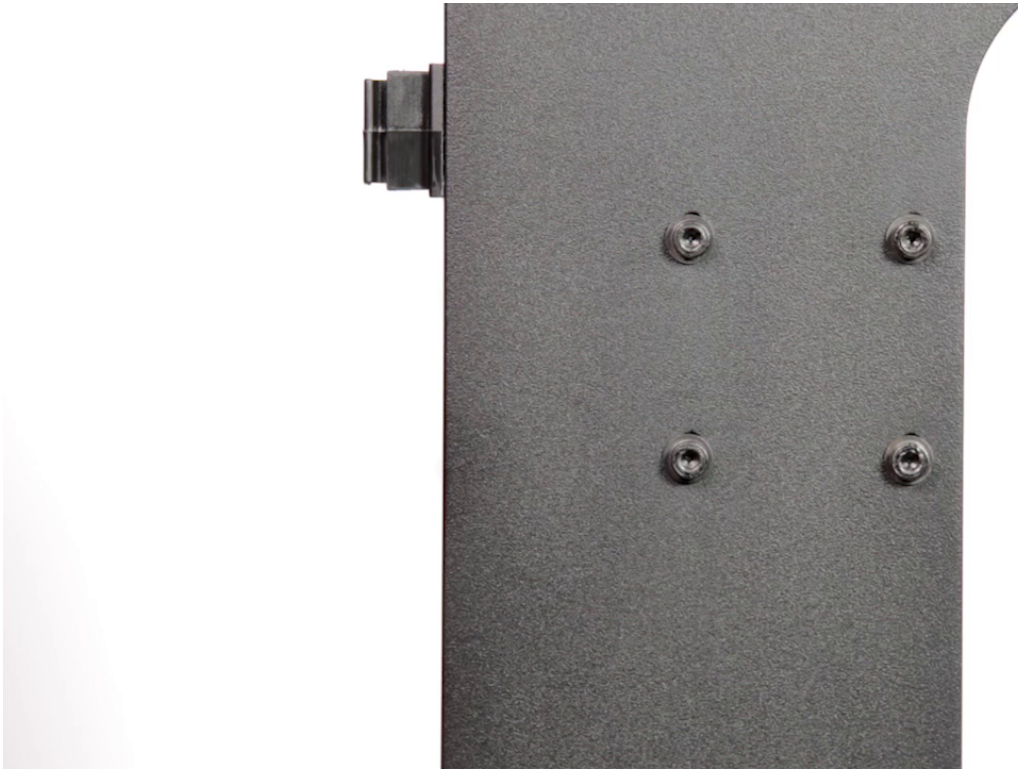
# Short Belt Replacement

## UNPLUGGING THE MOTOR CABLE



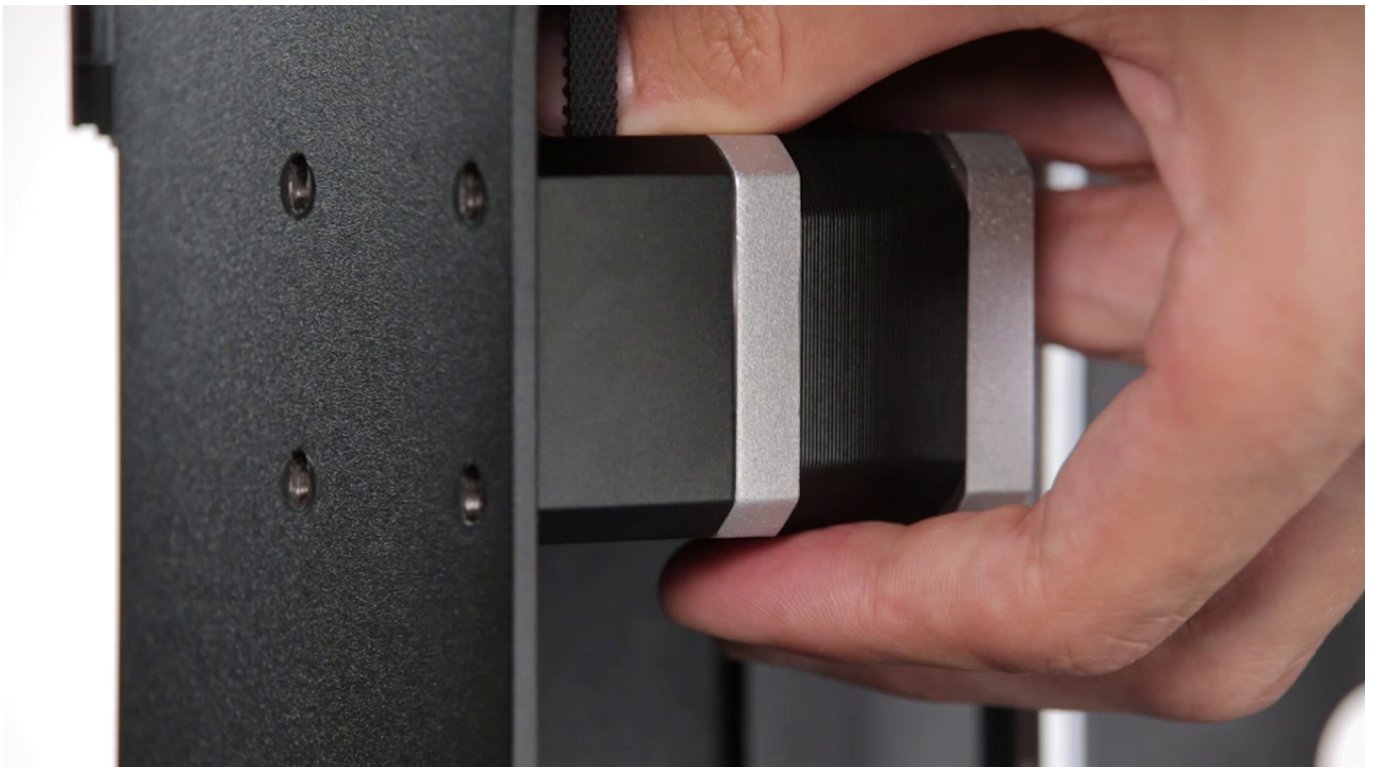
Unplug the motor cable.

## UNSCREWING THE AXIS MOTOR



Unscrew the four screws that secure the motor.

## **AXIS MOTOR REMOVAL**





Remove the distance piece and remove the motor.

## **UNSCREWING THE SELF-ALIGNING BEARING**



Unscrew the screws that secure the self-aligning bearing next to the short belt.

## **SHORT BELT REMOVAL**



Remove the short belt from the axis.

## **SHORT BELT INSTALLATION**





Put the new short belt on the axis that holds it.

## **SECURING THE SELF-ALIGNING BEARING**



Secure the self-aligning bearing of the axis that holds the short belt.

## **AXIS MOTOR INSTALLATION, PART 1**



Put the other end of the short belt on the motor pulley and install the motor distance piece.

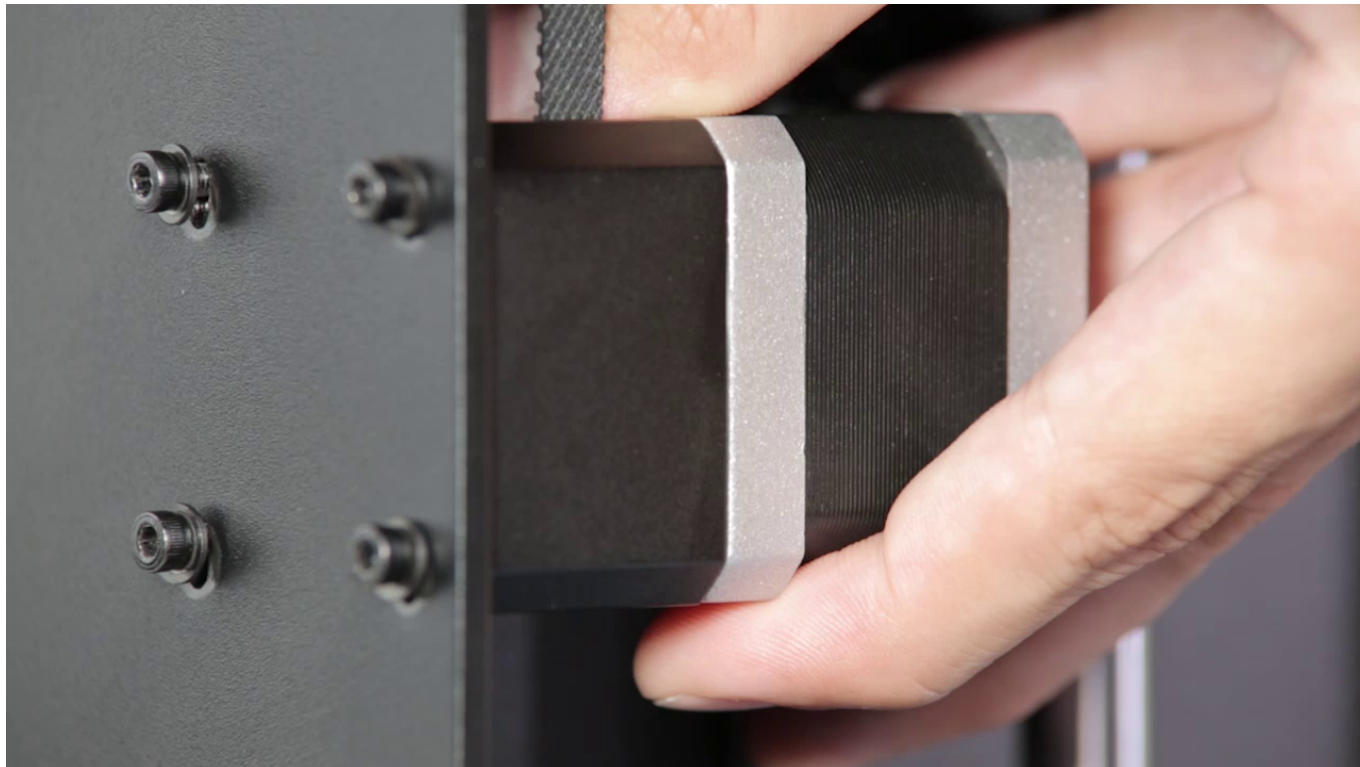
## **AXIS MOTOR INSTALLATION, PART 2**





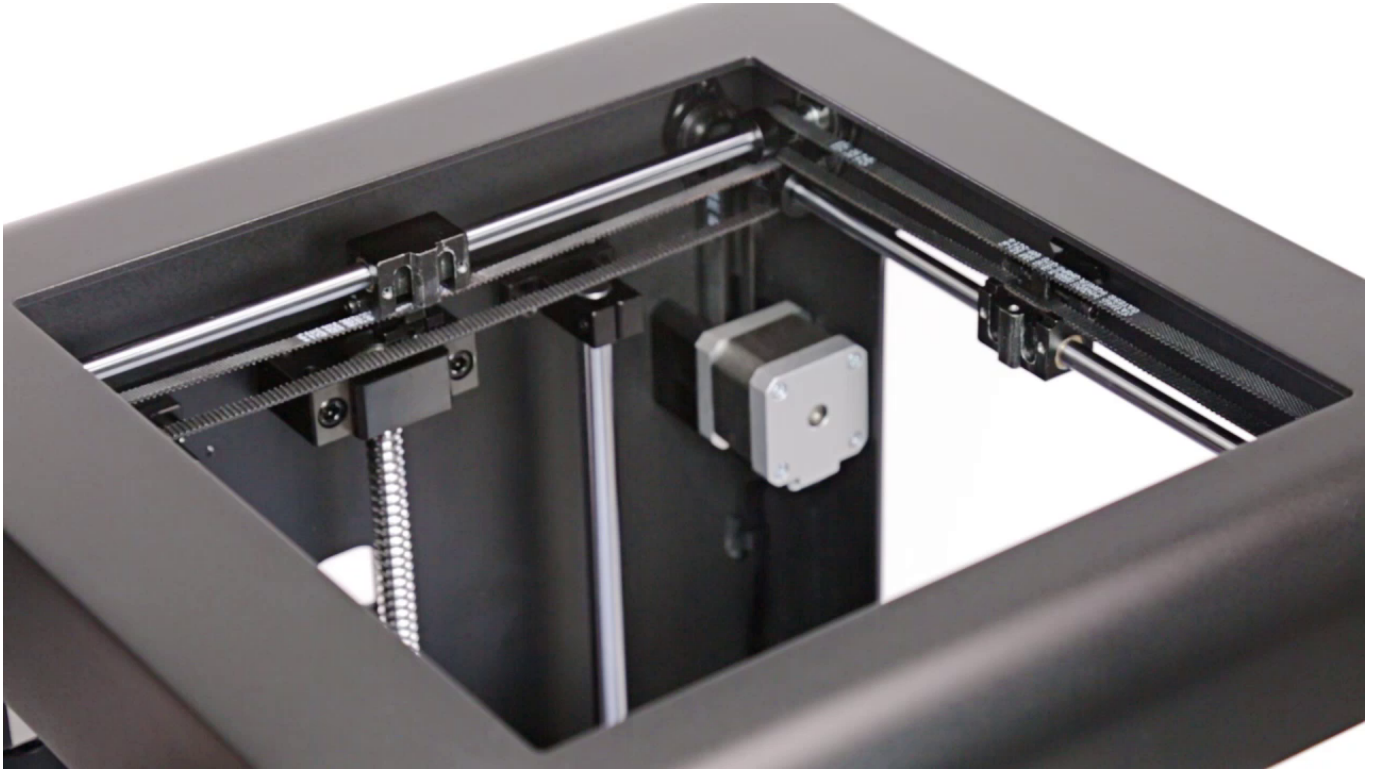
Insert the four screws into the holes in the housing and tighten them slightly.

## **SECURING THE AXIS MOTOR**



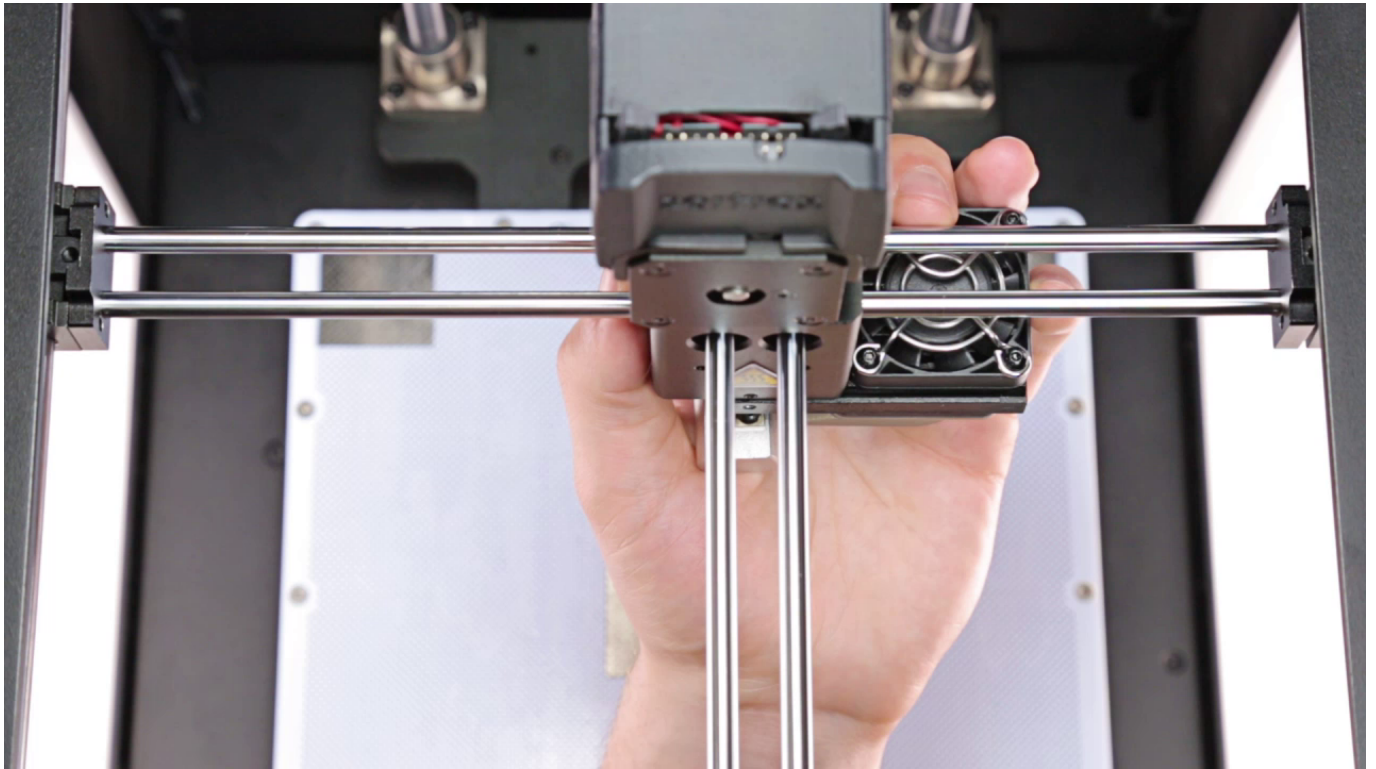
Press down the motor by hand to tense up the belt. Tighten the screws while the motor is still being pressed down.

## Extruder Installation



Install the extruder with its guide rails.

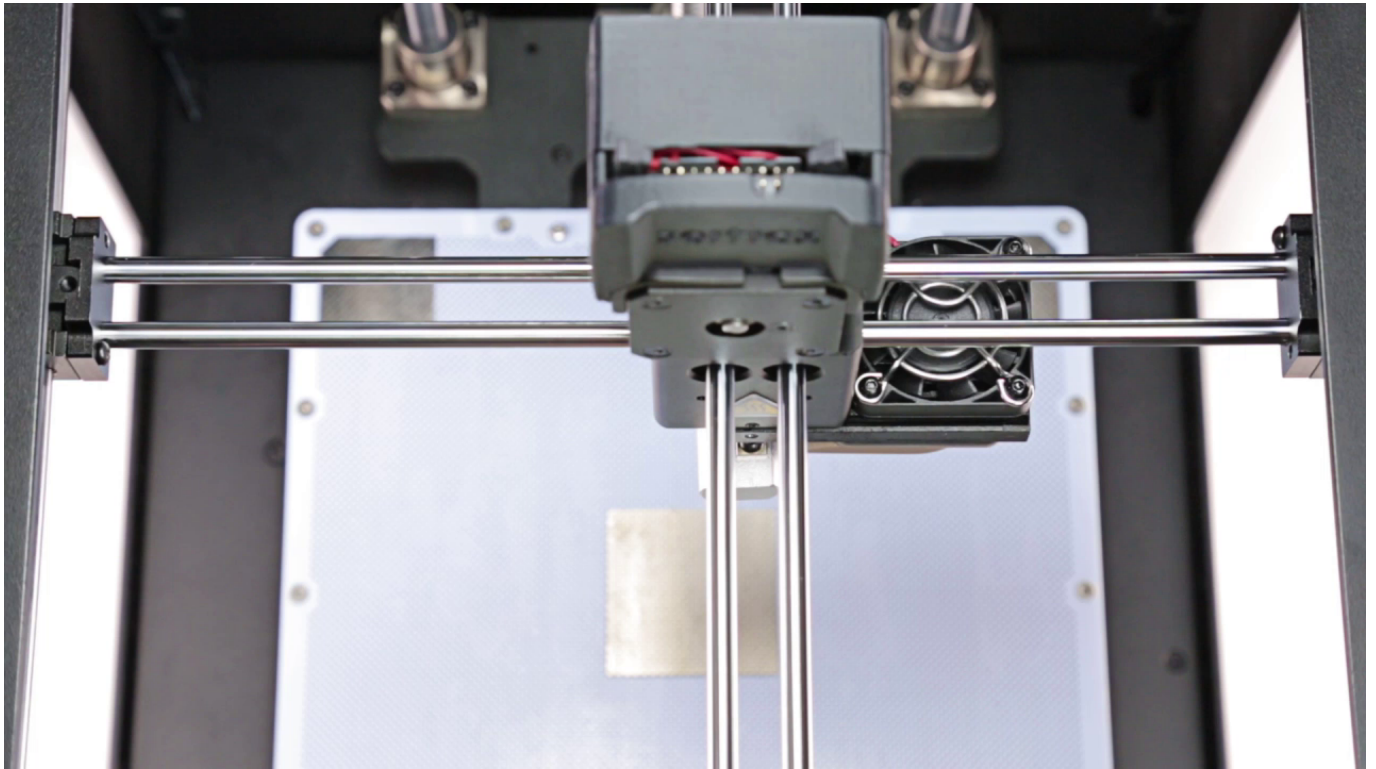
## Securing the Axis Block Covers, part 1



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.

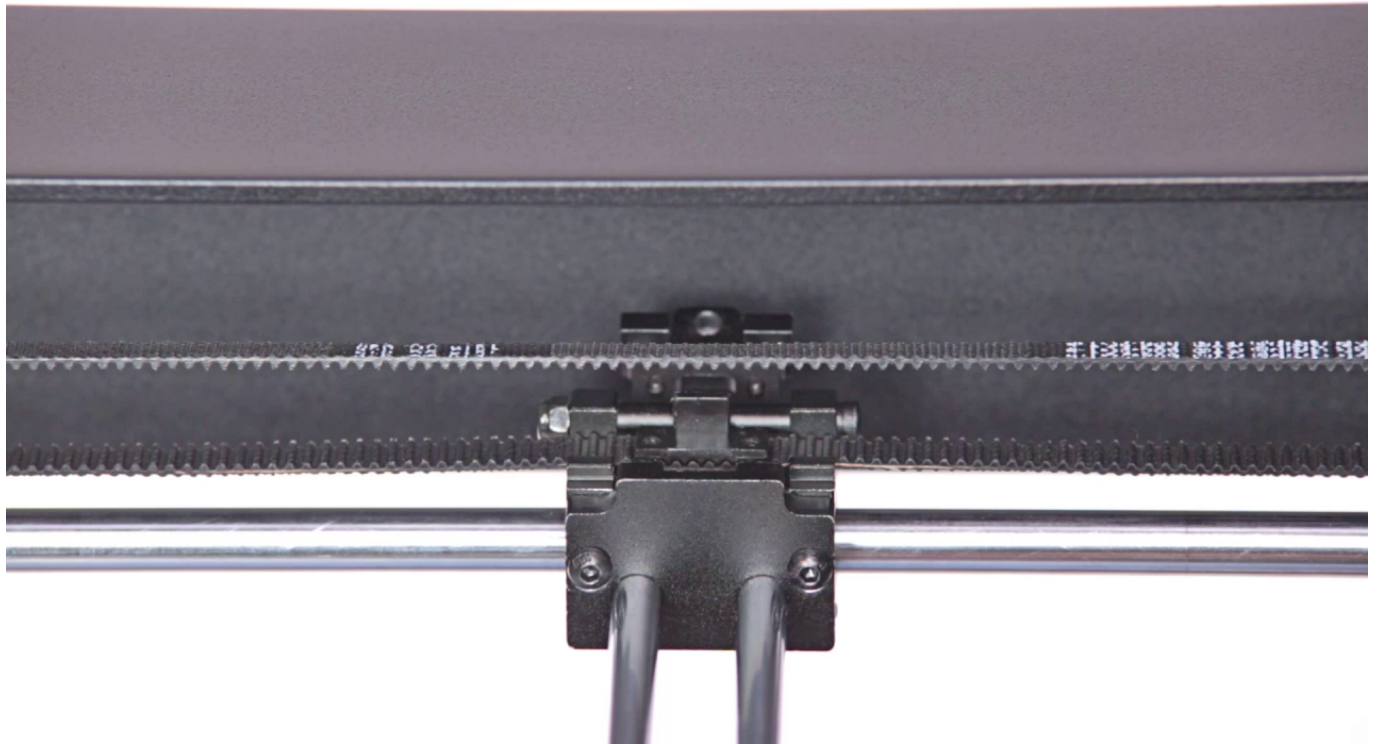
## Securing the Axis Block Covers, part 2



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.

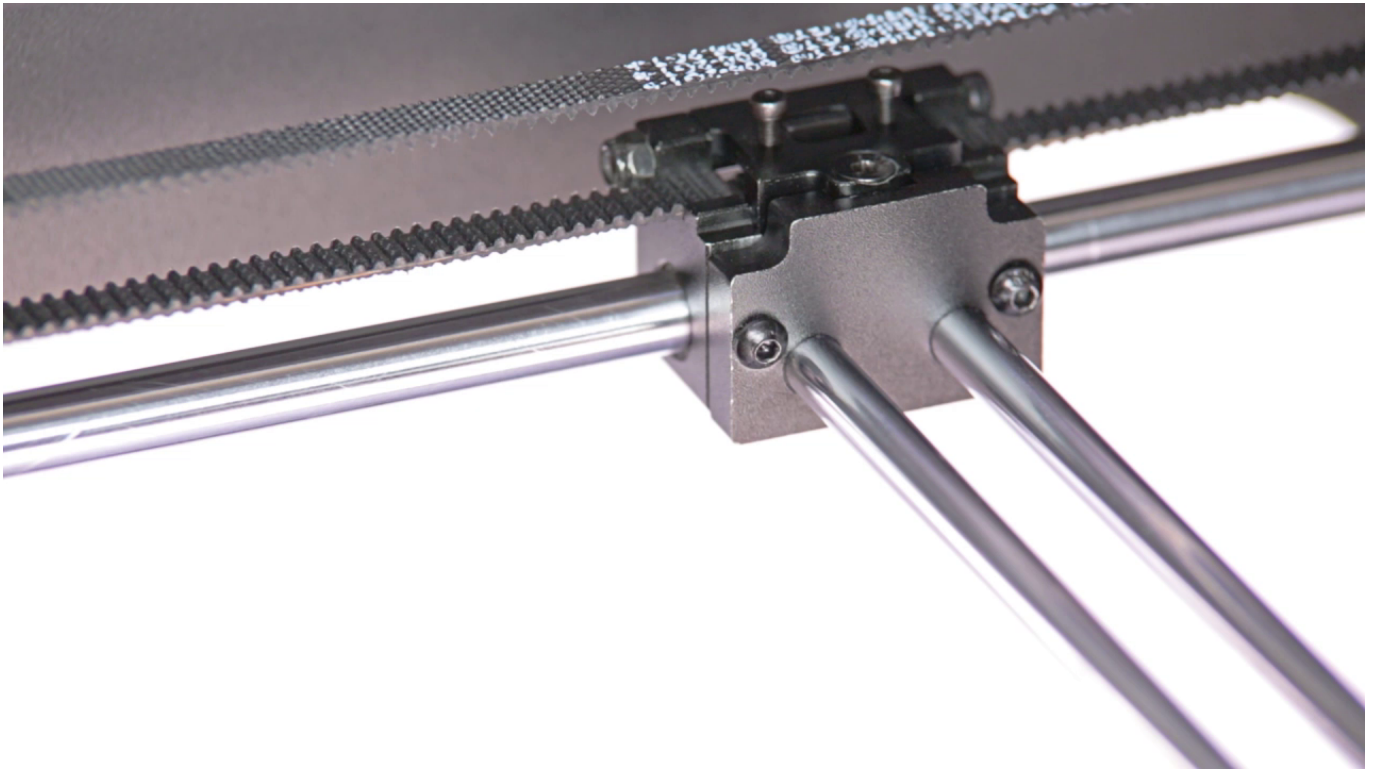
## Securing the Belt Tensioners



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

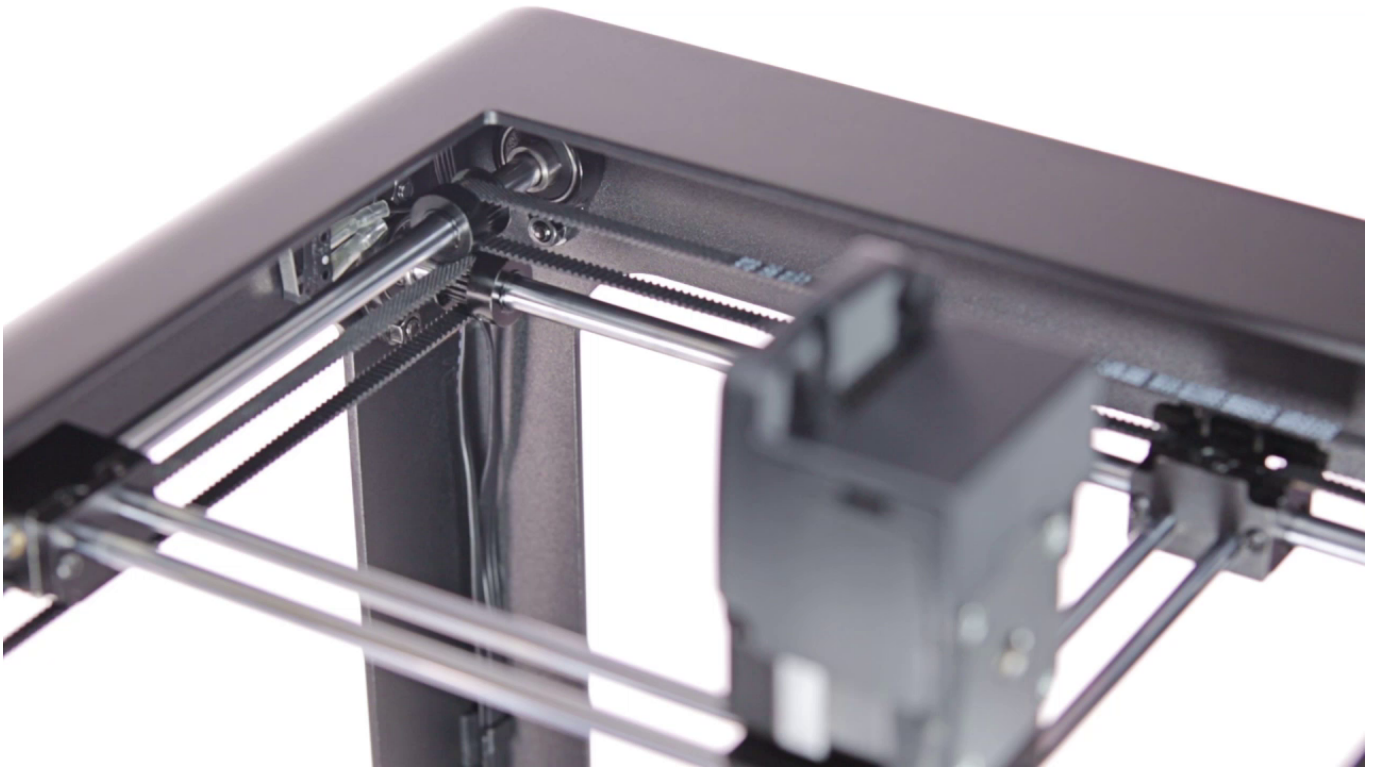


## Tightening the Screws on the Axis Block Covers



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.