

Axes Maintenance - Method with JIGS

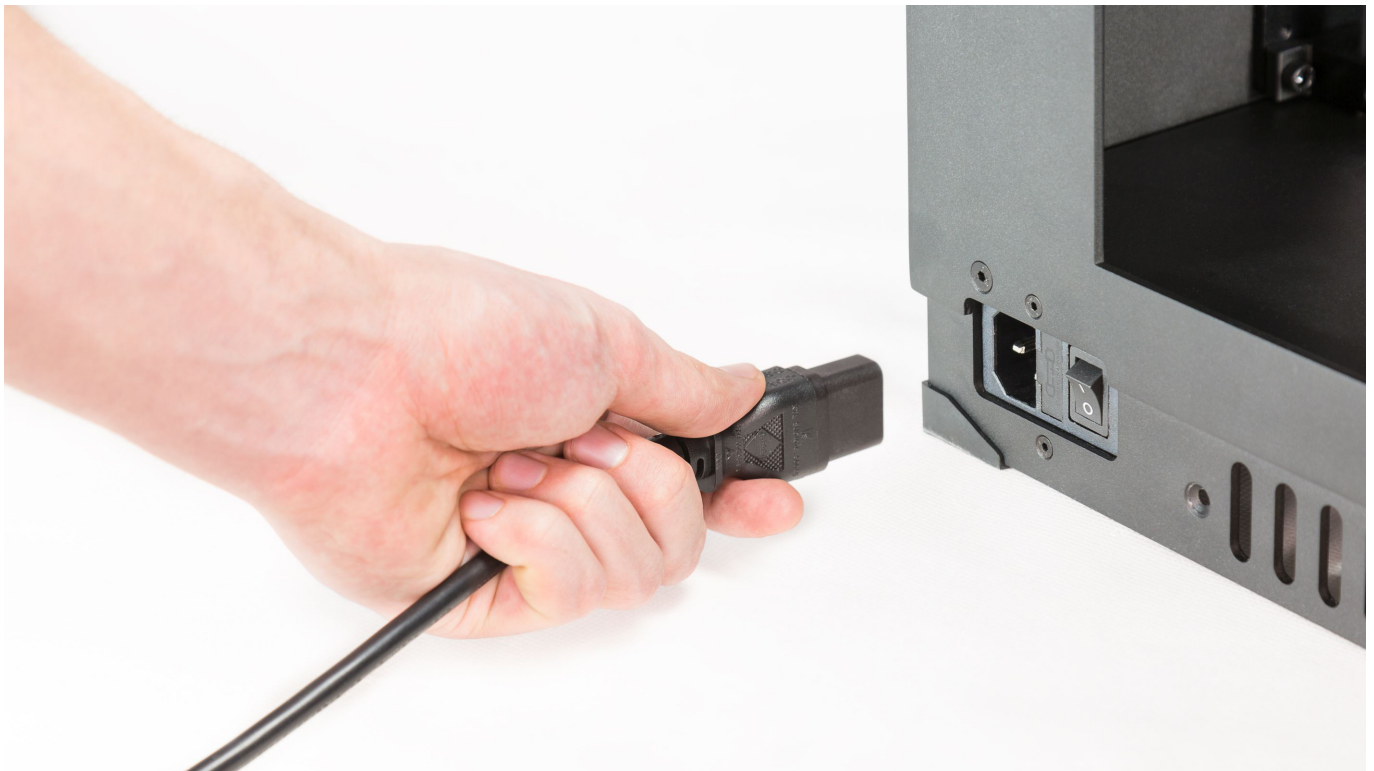
SOURCE:

<https://support.zortrax.com/m300-axes-maintenance-with-jigs/>

Table Of Contents

Unplugging the Power Cable
Unplugging the Extruder Cable
JIGS Assembly
Locking the Block
Pushing the Block
Tensing up the Belts
Finishing Axes Maintenance

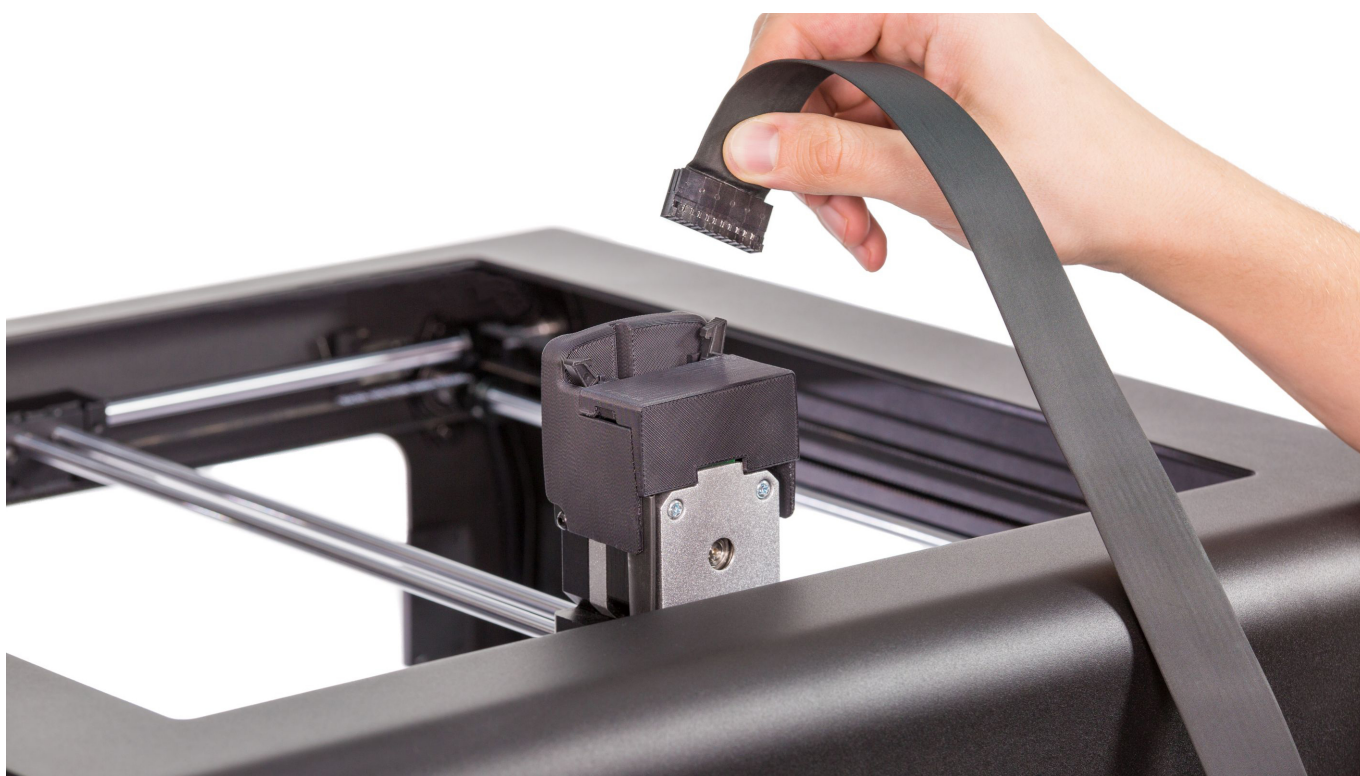
Unplugging the Power Cable



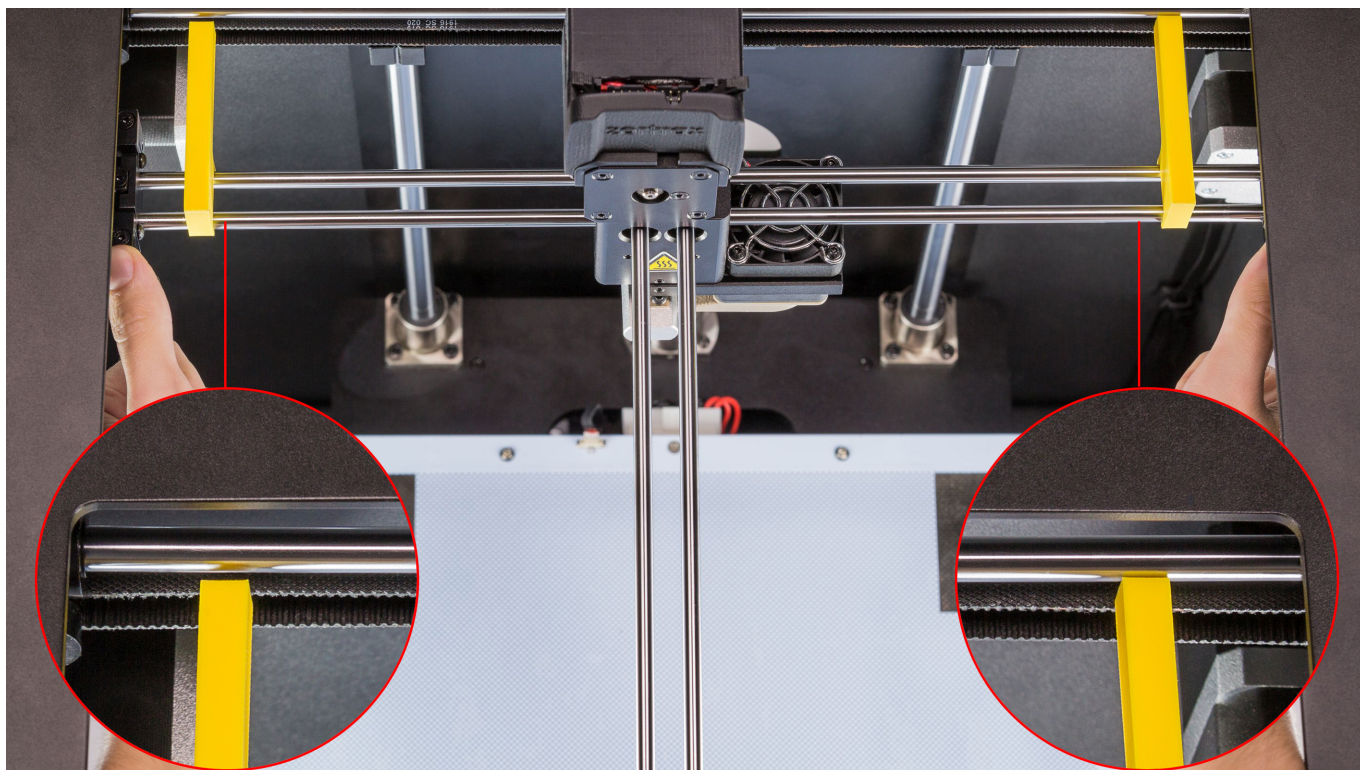
Turn off the printer and unplug the power cable.

Unplugging the Extruder Cable

Unplug the extruder cable.



JIGS Assembly



Put the jigs on the extruder guide rails and move the extruder manually so that the jigs are touching the X axis. This way, you will check if the extruder guide rails are parallel to the X axis. If not, follow the steps in this manual.

Locking the Block

Put the shipping clips on the Y axis next to the axis block so that it won't move.



Pushing the Block



Push the opposite block forward until it clicks (the belt will move by one tooth on the rack).

Do not use too much force or the belt will skip too far.

Tensing up the Belts

Check the belts for proper tension.

a) Check both the upper and lower belt. If the belts are properly tense, you can finish the maintenance work.

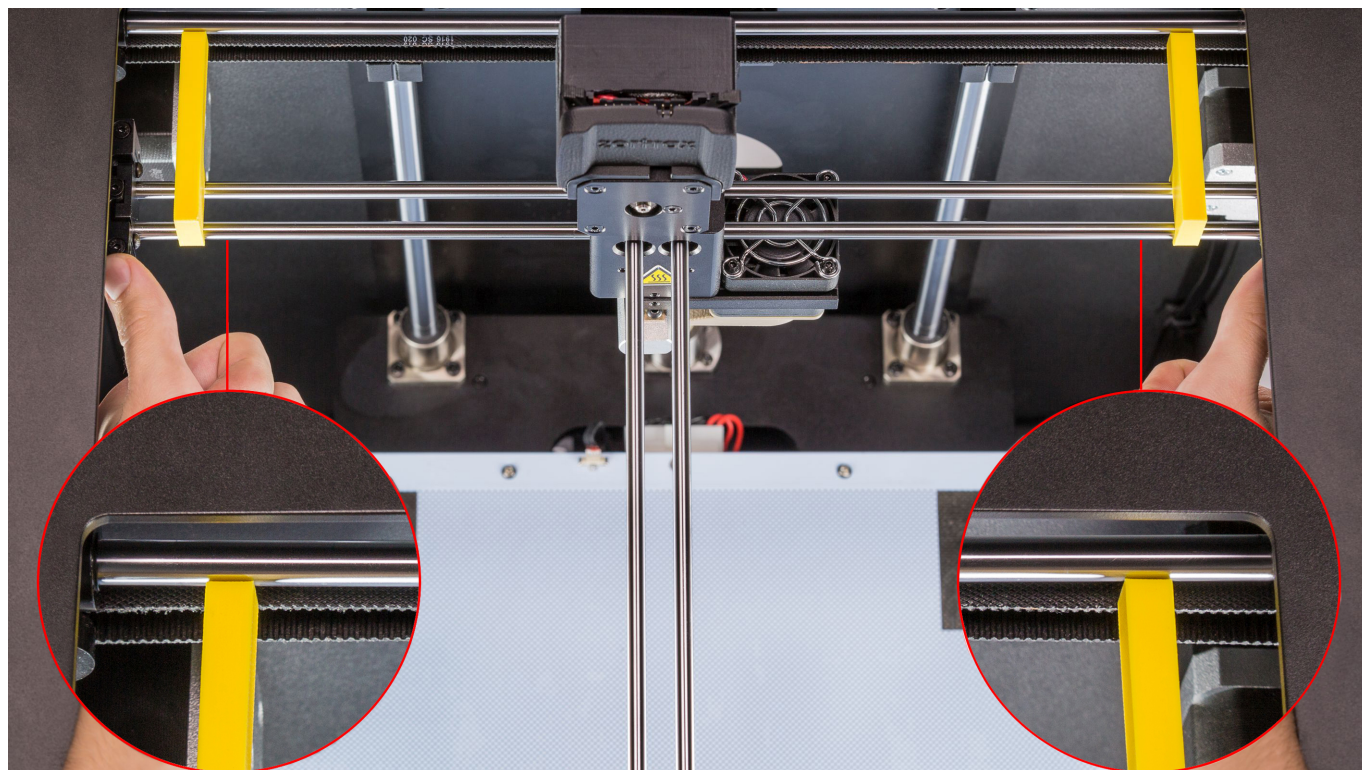


b) If not, take a piece of tape and put it on the belt. Then move the extruder manually back and forth so that the tape gets on the rack. Remove the tape.





Finishing Axes Maintenance



Use the jigs again to check if the extruder guide rails are parallel to the axis. If not, start again from the step no. 4.