

Ultimaker Support › 3D Printers › Ultimaker 3 › Maintenance

Check for play on the axles of the Ultimaker 3

January 28, 2020 10:31

The four X and Y axles are locked in place by the pulleys. However, it is possible that one or more of the pulleys can become slightly loose over time, which could affect their alignment. If this is the case, there could be play on the X and/or Y axles which can cause issues with print quality.

It is recommended to check for play on the axles at least once every three months.

Start with the right X axle. Place the print head in the back-left corner of the printer to keep it out of the way. Hold the frame of the Ultimaker 3 with one hand, and firmly hold the right X axle with the other. Attempt to move the axle forwards and backwards; do not be afraid to apply too much force.



Ask our community of experts

[Go to our community](#)



© Ultimaker Support

Repeat this for the other axles. Make sure to move the print head to the opposite side each time.

The axles should not move at all. If one of the axles does move, you can observe a ticking noise of the pulleys hitting the frame. In this case it is recommended to calibrate the print head.

Was this article helpful?



0 out of 8 found this helpful

Comments

0 comments

Article is closed for comments.

Articles in this section

- › Update the Ultimaker 3 firmware
- › Ultimaker 3 firmware release notes
- › Replace the build plate clamps of the Ultimaker 3
- › Replace the radial fans of the Ultimaker 3
- › Replace the axial fan of the Ultimaker 3
- › Replace the tube coupling collet of the Ultimaker 3
- › Replace the clamp clip of the Ultimaker 3
- › Replace the Bowden tubes on the Ultimaker 3
- › Clean the feeders on the Ultimaker 3
- › Lubricate the lead screw of the Z motor on the Ultimaker 3

[See more](#)

Recently viewed articles

- › Lubricate the Ultimaker S5 axles
- › Clean the feeders on the Ultimaker S5
- › Check the quality of the Ultimaker S5 nozzle cover
- › Check for debris in the Ultimaker S5's front fan of the print head
- › Check the tension of Ultimaker S5 short belts