

Note: Logistics transportation can potentially result in displacement or deformation of the machine structure, so it's necessary to check your machine before first use to ensure the stability of the printer structure.

Before you start printing, it is very important to check the hardware. Below is the tutorial that may help you understand how to adjust.

## N4 Max Assembly & Adjustment Video Tutorial

(Also applies to other machines of N4 series)

[https://www.youtube.com/watch?v=NmY\\_OQ1D2ag](https://www.youtube.com/watch?v=NmY_OQ1D2ag)

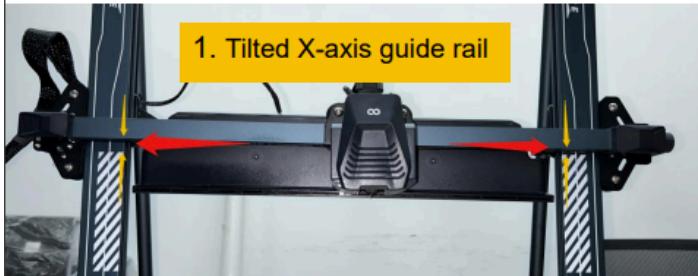
<https://www.youtube.com/watch?v=NTez5y4Kq9w>

## Top Timing Belt Adjustment & X-axis Alignment

Logistics transportation can potentially result in displacement or deformation of the machine structure, as shown in the diagrams.

1. Tilted X-axis guide rail
2. Loose top timing belt
3. Loose Z-axis pulley

Please troubleshoot and ensure the stability of the printer structure.

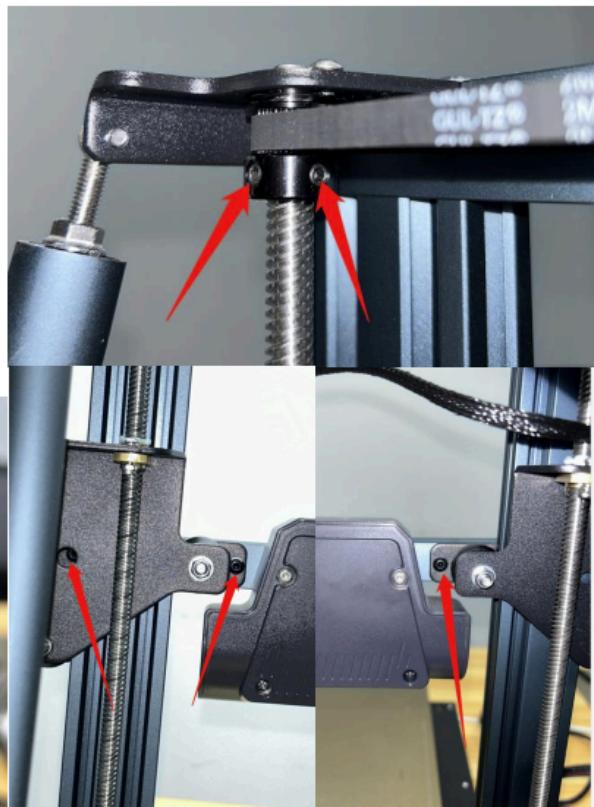


Adjust the parallelism of the X-axis while adjusting the tension of the Z-axis pulley and top timing belt.

1. Loosen the screws on the Z-axis rod's timing pulley;

Loosen the three screws that secure the pulley on the X-axis;

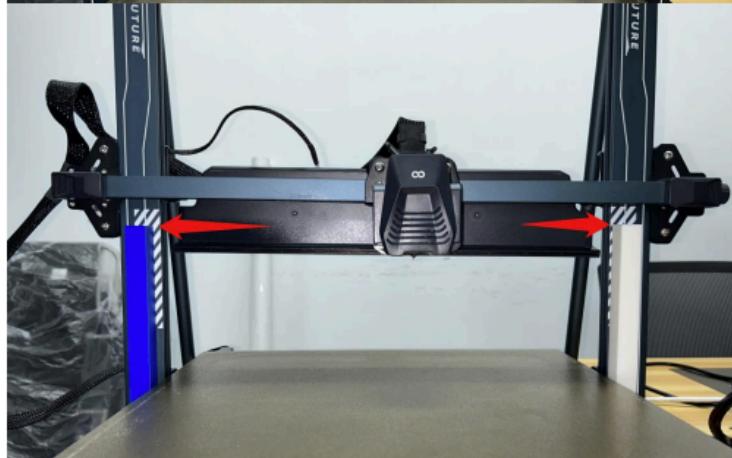
Loosen the screws on one side of the top plate bracket.

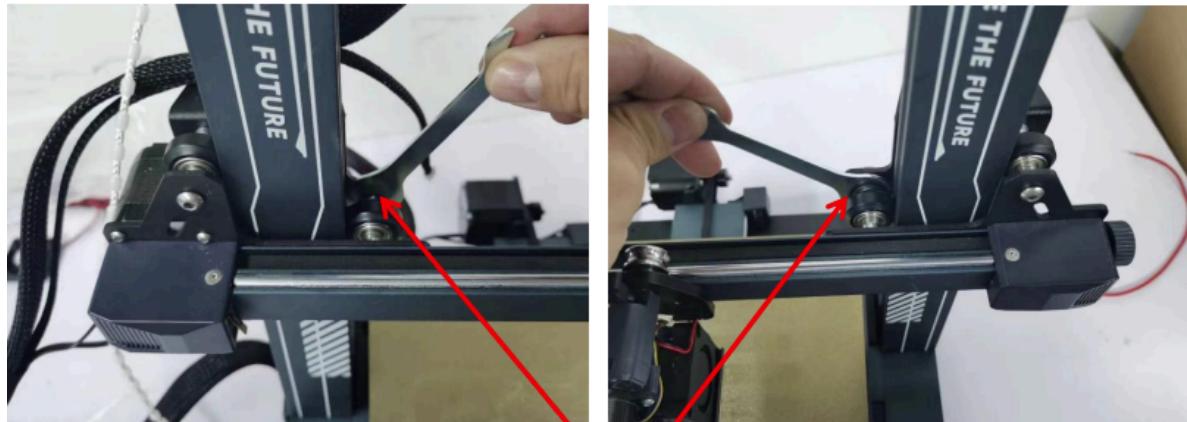


2. Method 1: Rotate the Z-axis rod to align the white thread marking on the X-axis guide rail beam with the Z-axis beam;



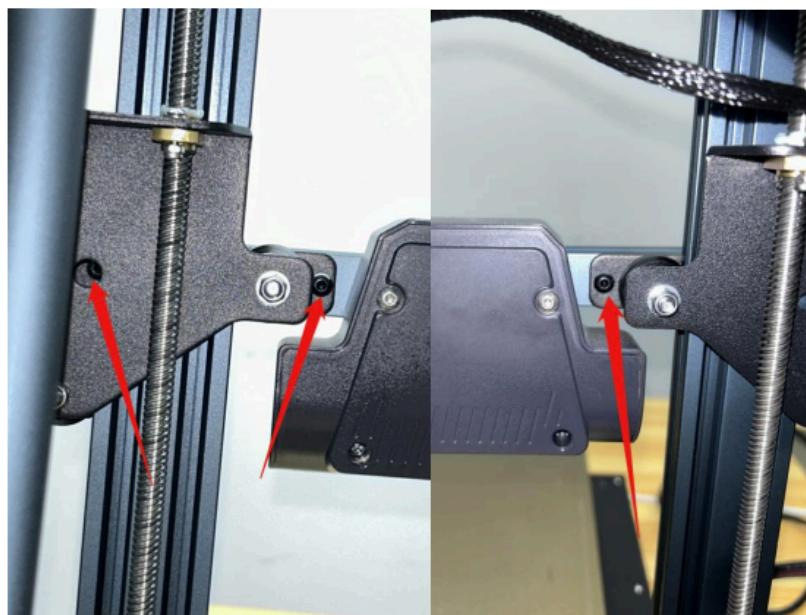
**Method 2:** Print two models of equal height for self-adjustment. Rotate Z-axis rod to bring the X-axis beam closer to the surface of the model.





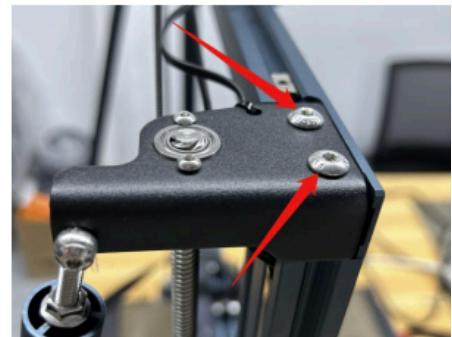
3. Adjust the two inner eccentric isolation columns until each pulley has appropriate pressure against the beam.

4. First, ensure that the tuning of steps 2 and 3 is normal, and then tighten the three screws that secure the pulley in place.

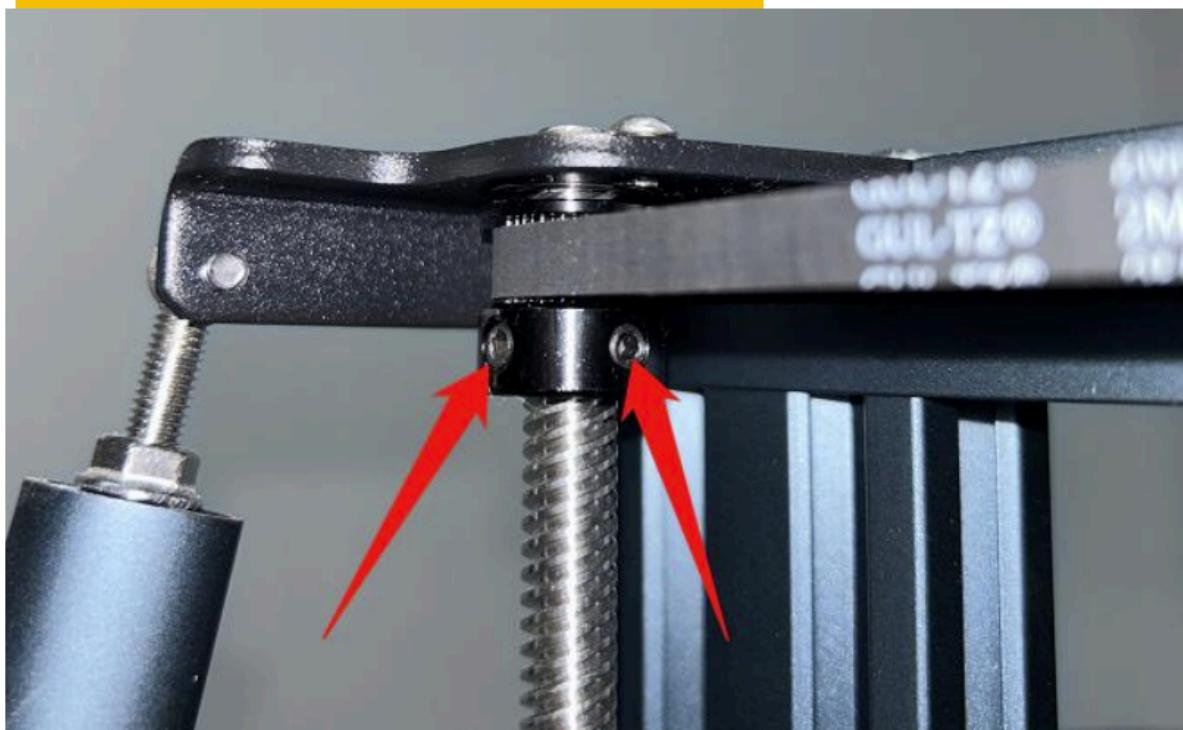




5. Exert pressure to push the top plate bracket and tighten the timing belt. Once the belt feels appropriately tensioned, secure it by tightening the screws.  
Note: The timing belt should not be adjusted too tightly, as it may cause difficulty in movement and potential issues with Z-axis stepping.

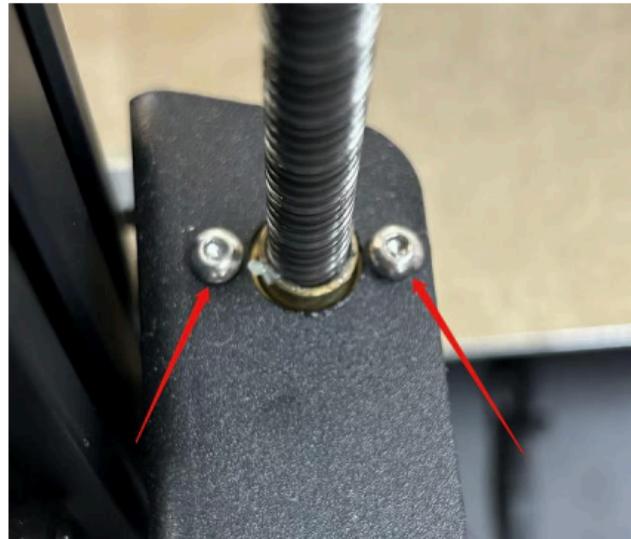


6. Ensure that the tuning of step 2 is normal (i.e., the X-axis is parallel), and then tighten the screws on the timing pulley



## **NOTES:**

The fixing screws of Z-axis rod nut do not need to be fully tightened, as this may cause difficulty in movement and increased resistance during Z-axis movement.

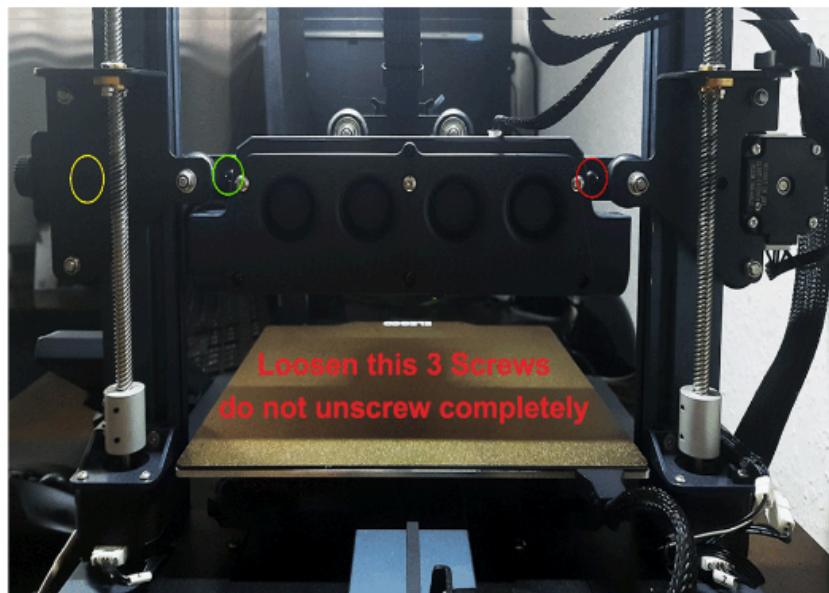


POM Wheels Adjustment: Credit Discord @ pascal\_08461

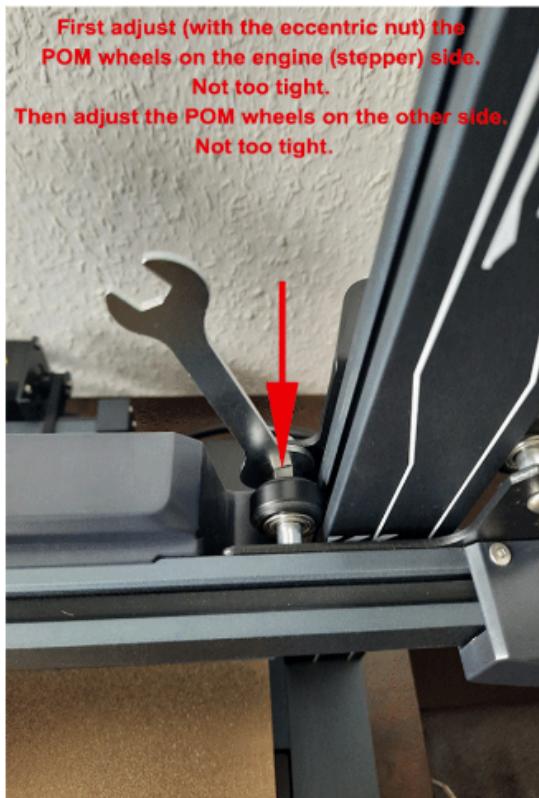
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**This Tutorial describes how to fix if the pom wheels cannot be adjusted using the eccentric nut.**

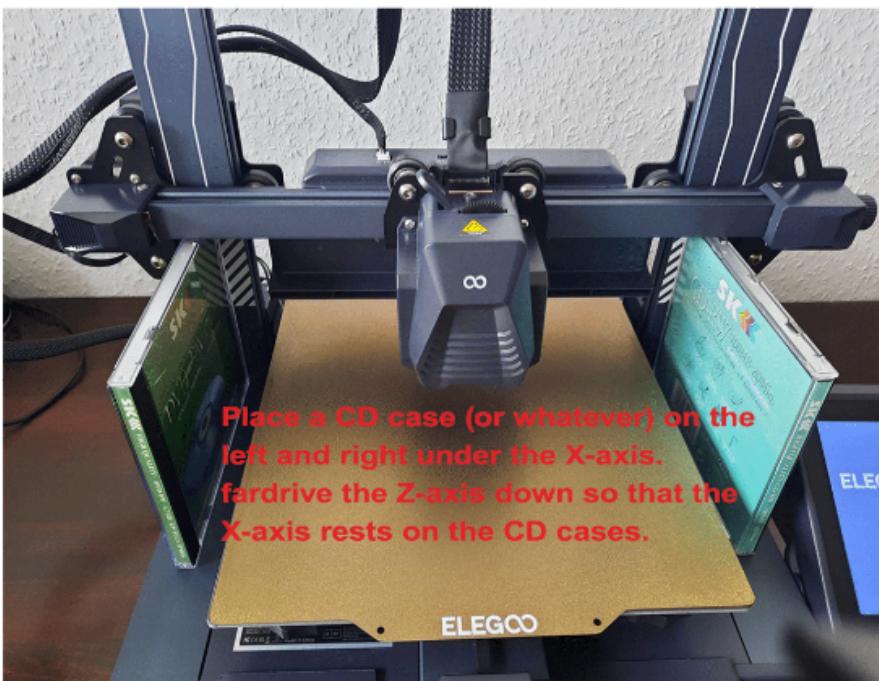
**Step 1:** The Yellow Screw is hidden behind the metal plate. You can access the Screw through the hole



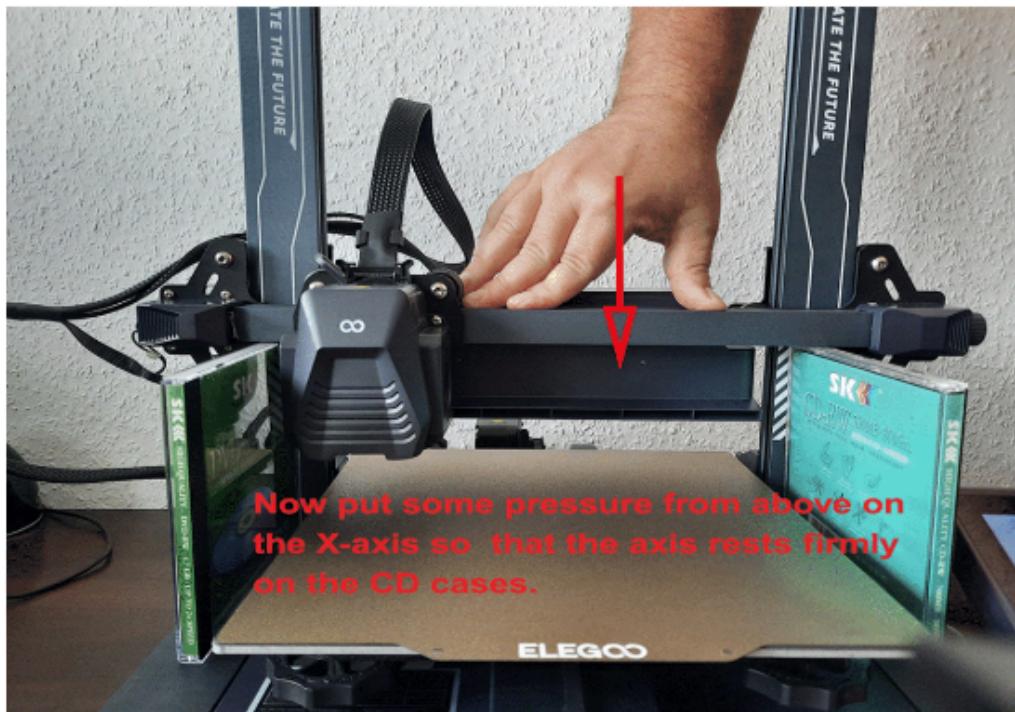
## Step 2:



## Step 3: You can Use this instead of a cd case: <https://www.thingiverse.com/thing:6243043>



#### Step 4:



#### Step 5:

