

Manual Pro2 Series-106 X & Y Rods Align-v1.0

Preparation:

1. Unload filament.
2. Move the build plate to middle height.

Tools:

- Hex Wrench with 2.0mm, 2.5mm and 3.0mm



Step 1: Lubricate Rods

Use a rag to wipe away the original lubricant from the rods. Apply new coat of lube to your rods.

PTFE grease, such as Super Lube is recommended.

Move the print head around the build area to feel if it can be moved freely.

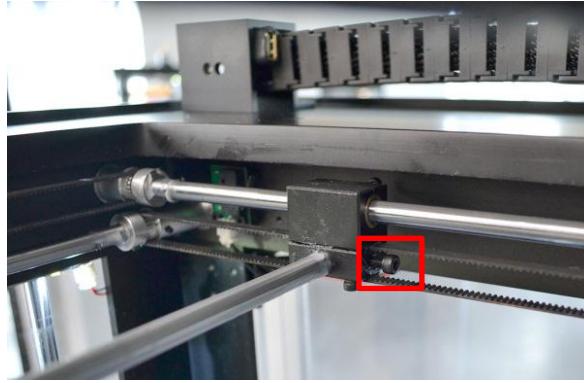
If the motion is smooth, tighten the screws, then test the motion one last time.

If the rods catch at any point, visit step 2

Step 2: Convex Screws

Use a 2.5mm hex wrench to loosen the convex screws. There may be 2 or 4 depending on your model of printer.

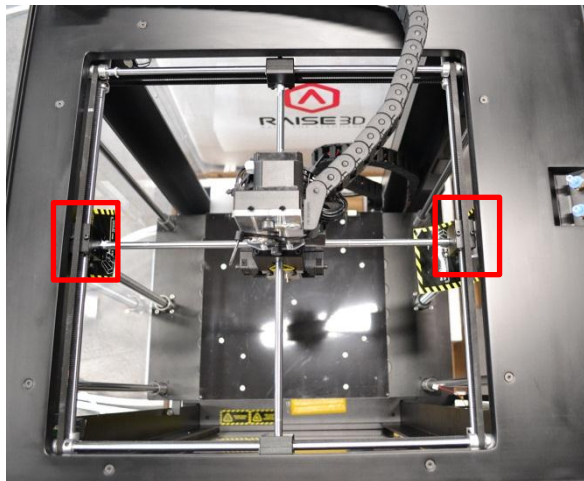
Loosen the right one and the rear one.



Move the print head around the movement area and feel if it can be moved freely. If the motion is smooth, tighten the screws, then test the motion one last time. If this hasn't helped, continue to step 3

Step 3: X Block Fixed Screws

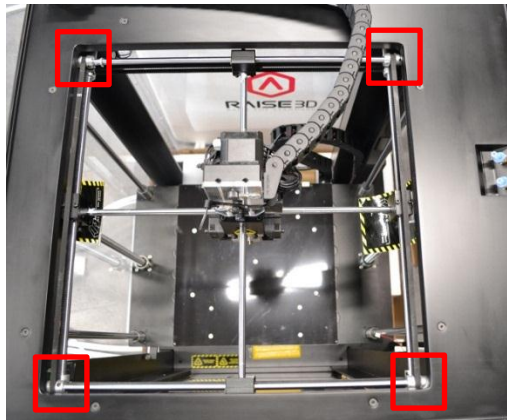
Use a 3.0mm hex wrench to loosen the four securing screws under X block. Tighten them a small amount at both sides.



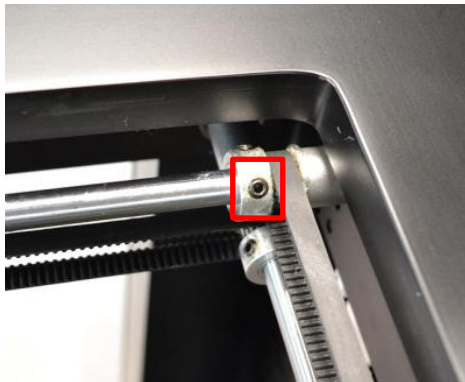
Move the print head around, testing for free/smooth motion. If the motion is smooth, tighten the screws, then test the motion one last time. If there is still friction, continue to the fourth step.

Step 4: Pulleys

There are eight pulleys on the sliding rods. There are 4 at the upper layer for the Y-axis direction moving and 4 below for the X-axis.



Start with the upper layer. Use a 2mm hex wrench to loosen the screws for the 4 pulleys (2 screws each, 8 in total).



Move the print head in Y direction, checking for smooth motion.

If the motion is smooth, tighten the screws, then test the motion one last time.

Repeat the process on the layer below.



Move the printer head along the bed to check if moving freely.

If not, please re-adjust in the same procedures listed.

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