How to replace the Z-axis Screw

After using the 3D printer for an extended amount of time, the Z-axis Screw and bearing sleeve may become clogged with dust, causing the Z-axis to not work properly. This could result in layer lines appearing across your prints. The Z-axis may even end up needing replacements. Here you will find out on how to replace the Z-axis Screw.
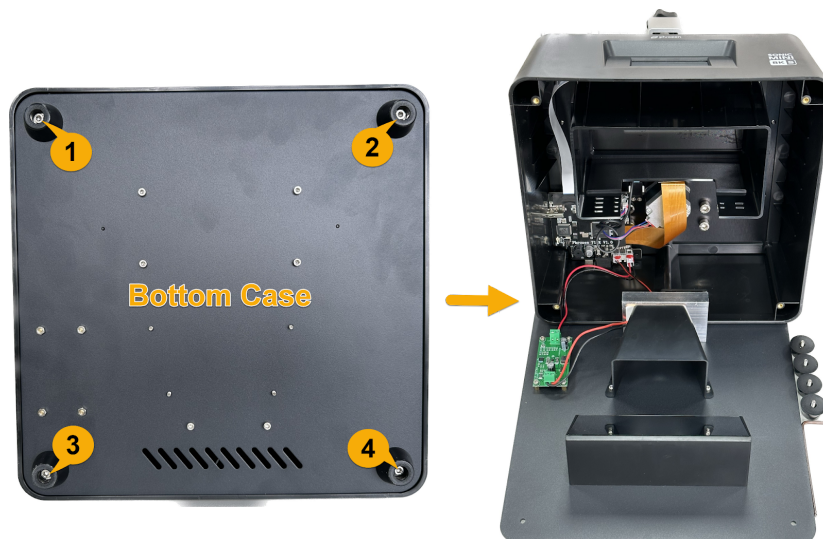
SONIC MINI 8K S

Removing the old Z-axis:

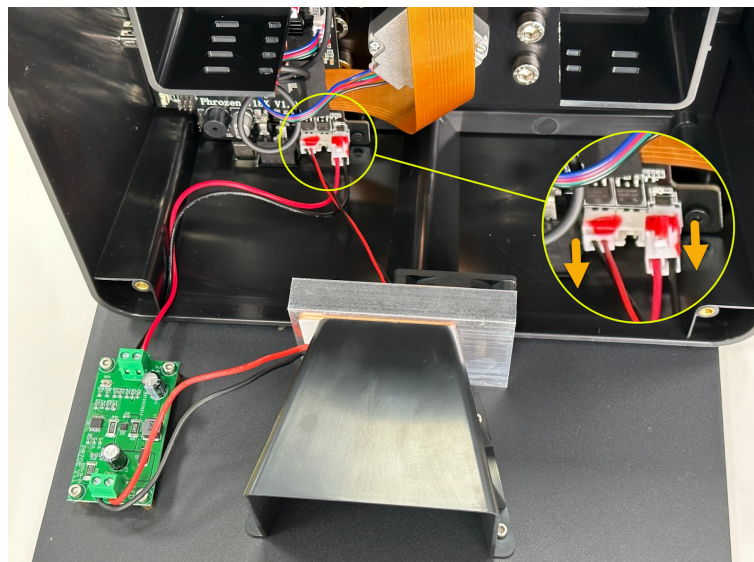**Step 1:** Turn off the printer and disconnect the power cable.
Step 2: Remove the cover lid, building plate, and resin vat.
Step 3: Carefully lay the printer down on a flat surface.
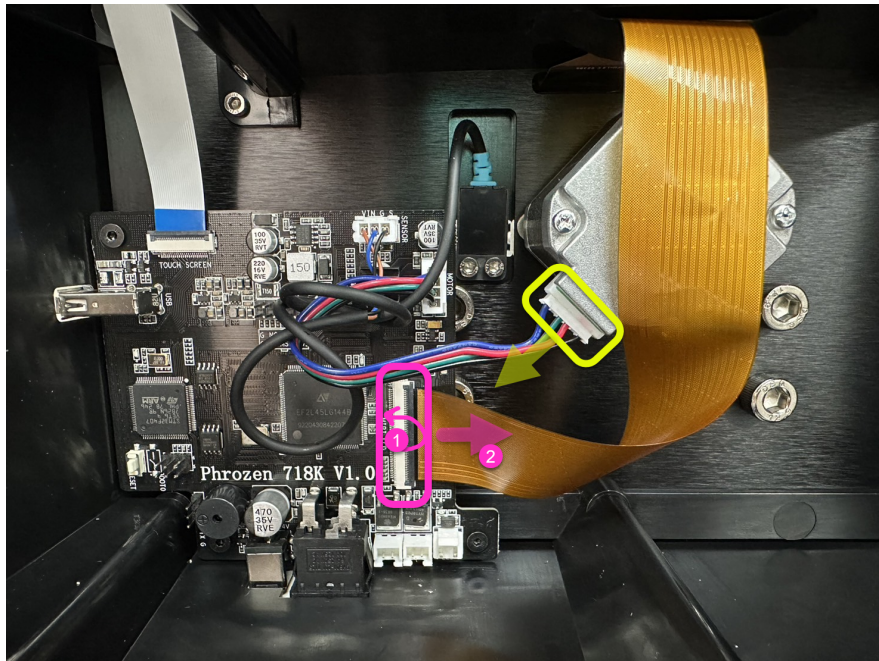**Step 4:** Loosen the 4 screws on the bottom case, and then open the case.

Step 5: Unplug the LED connector and fan connector and put the bottom case aside.
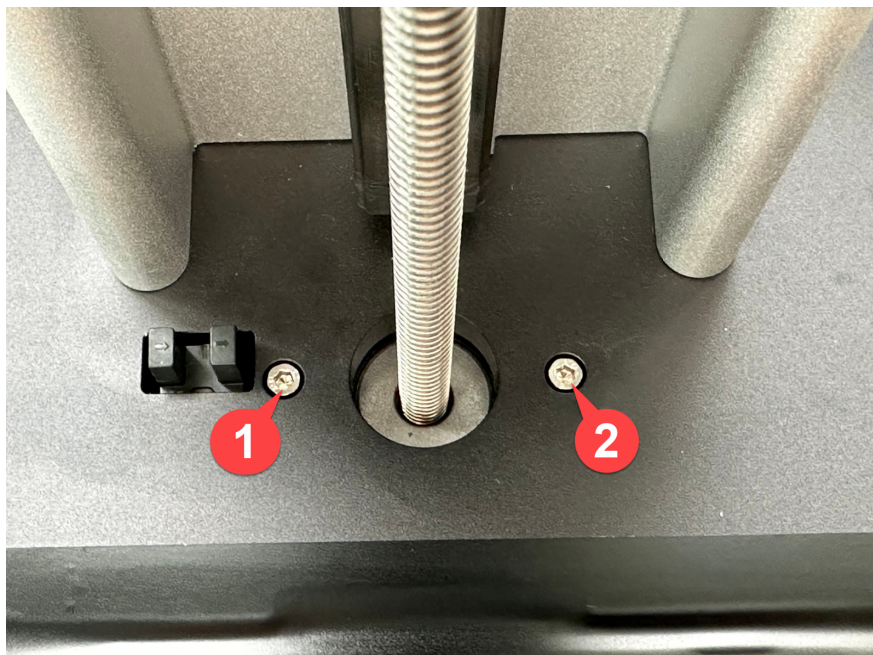
Step 6: To disconnect the LCD ribbon cable, open the cable clip and detach it (see the picture ① ② below).
Step 7: Unplug the motor connector.

Step 8: Loosen the 2 screws on the platform that is attached to the motor.

Step 9: Turn the Z-axis counterclockwise until it becomes loose while holding the T-plate with the other hand.
Step 10: Take the Z-axis out of the printer.

Installation of the new Z-axis:

Step 1: Put the new Z-axis in position inside the printer.
Step 2: Turn the new Z-axis clockwise to screw in the bearing sleeve.
Step 3: Tighten the 2 screws on the platform that is attached to the motor.
Step 4: Attach the motor connector and LCD ribbon cable.
Step 5: Attach the LED connector and fan connector to the mainboard.
Step 6: Install the bottom case.
Step 7: Turn the printer upright.