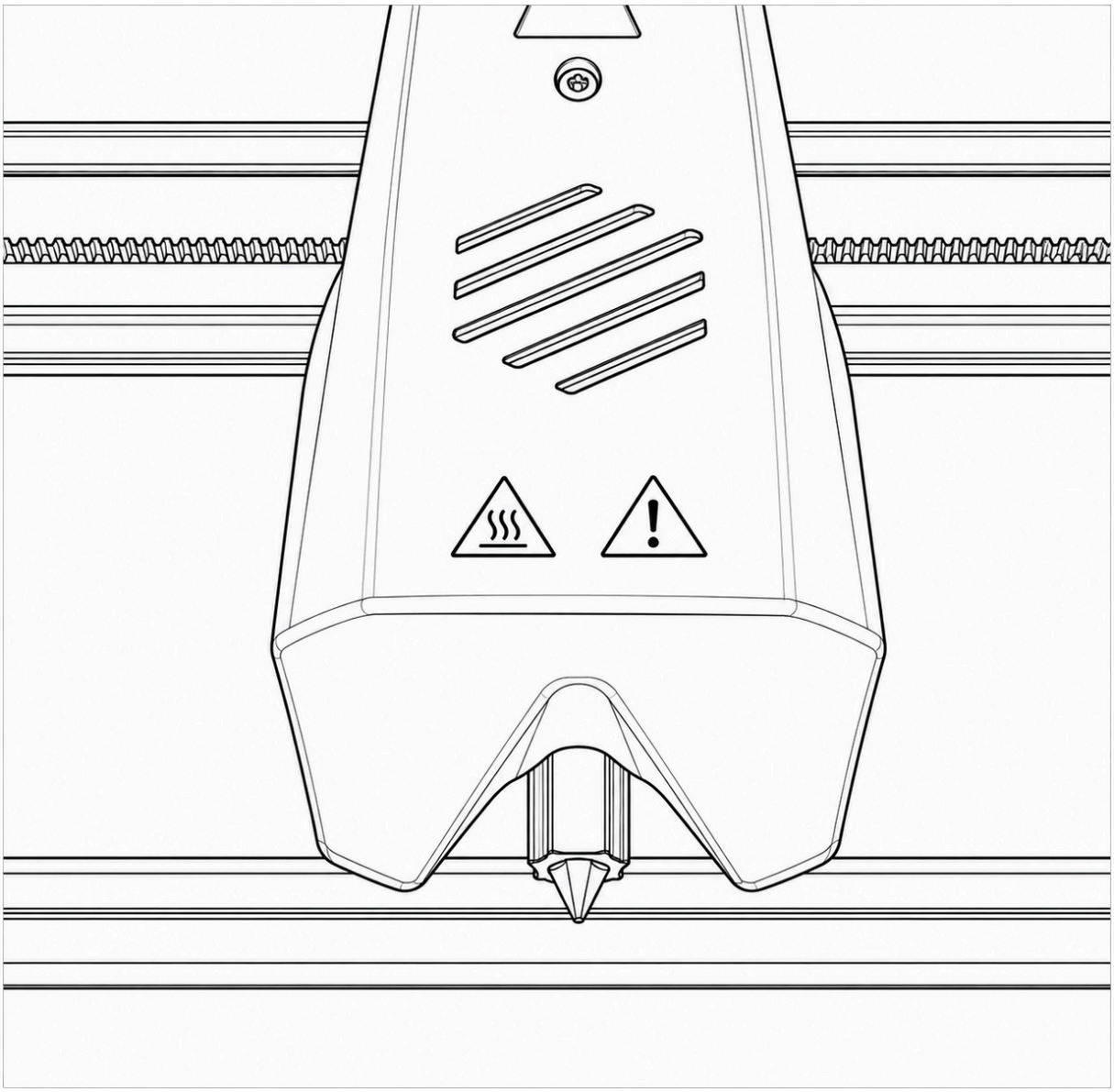
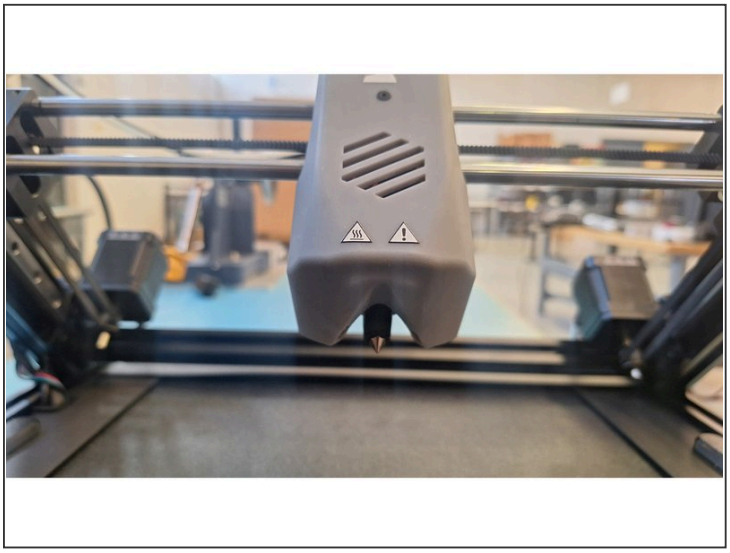
Replacing the Nozzle

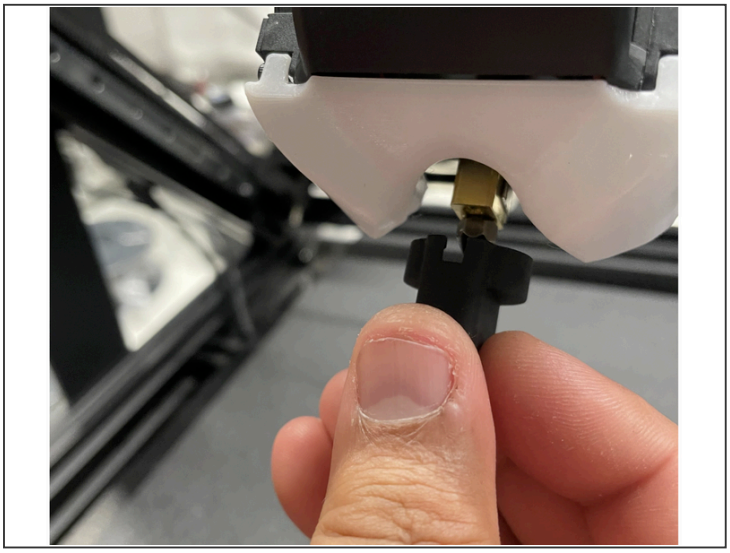
Clear maintenance guide for safely removing, inspecting, and replacing nozzle tips on the Orion printhead, including software config updates.

Written By: Mosaic Support



Step 1 — Prepare and Position the Printhead





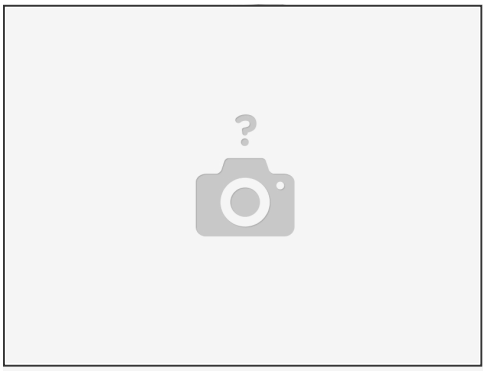
- Allow the hotend to cool down completely to room temperature. On the touchscreen, tap 'More' and select 'Disable Motors'.
- Gently slide the printhead manually to the center of the gantry where you can easily reach the nozzle.
- Peel off the black silicone sock from the bottom of the heater block.

Step 2 — Heat Nozzle and Unscrew Hot Assembly



- On the touchscreen, heat the nozzle to 290°C.
- ⚠ Always heat the nozzle before unscrewing to soften trapped plastic and prevent thread damage.
- Hold the heater block steady with the provided wrench so it does not twist. Use the official socket nozzle tool to unscrew the hot nozzle counter-clockwise.
- Place the hot nozzle onto a heat-safe surface on the bed to cool down.
- Set the noozle temp to 0°C and wait for the screen to indicate it has returned to room temperature.

Step 3 — Install the New Nozzle



- Insert a new nozzle, leaving it loose. Heat the nozzle to 290°C.
- Once temperature is reached, hold the heater block with your wrench and tighten the new nozzle clockwise with the socket tool, until it is snug.
- Set the nozzle temperature to 0°C. Allow the assembly to cool down, then reinstall the silicone sock with the cutout notch facing front. If the sock is installed backwards, it will affect the levelling process.

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