

Micro Swiss FlowTech™ Hotend for ELEGOO Neptune 4 Pro

INSTALLATION INSTRUCTIONS

Tools Required:

2.0mm Allen wrench

What's in the box:

PTFE Tube (30mm)
Heatsink
Copper Thermal Adapter

Titanium Mounting Screws (2x)
Heater Core
Silicone Sock

0.4mm Plated Brass Nozzle

STEP 1



SAFETY / PREPARATION

- Unload the filament from the printer.
- Allow the hotend to cool down to room temperature.
- Power off the printer.
- Disconnect the power cable.

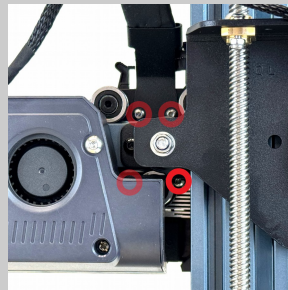
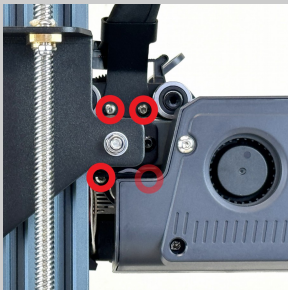
STEP 2



REMOVE THE FAN SHROUD

- Remove the two M3 screws securing the fan shroud.
(2.0mm Allen wrench)
- Pull the fan shroud off of the print head.

STEP 3

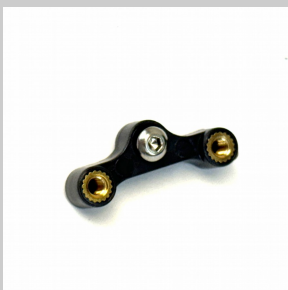
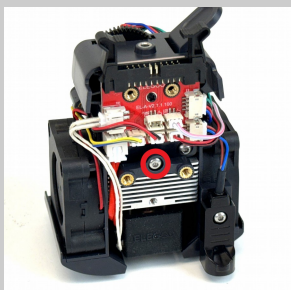


DETACH THE PRINT HEAD

- Disconnect the ribbon cable from the print head.
- Detach the print head from the carriage by unscrewing the four M3 screws on the rear side of the carriage.
(2.0mm Allen wrench)

The carriage will need to be moved to the sides of the large fan assembly to gain access to the four screws.

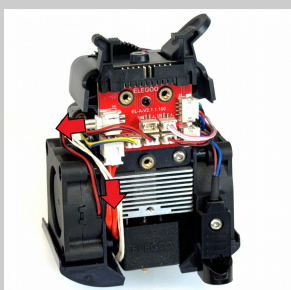
STEP 4



REMOVE THE ADAPTER BRACKET

- Remove the M3 screw securing the small adapter bracket to the print head.
(2.0mm Allen wrench)

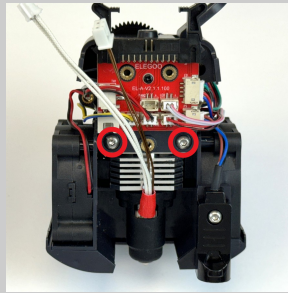
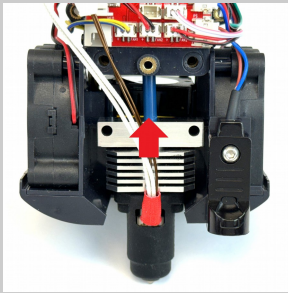
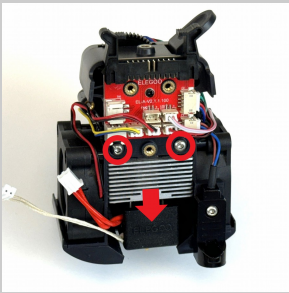
STEP 5



DETACH THE HOTEND CONNECTORS

- Disconnect the original hotend's thermistor and heater cartridge cables from the breakout board.

STEP 6

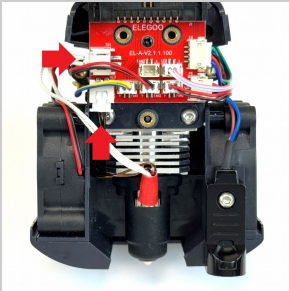


REPLACE THE HOTEND

- Unscrew the two M3 screws holding the original hotend and pull it out of the print head. (2.0mm Allen wrench)
- Insert the FlowTech hotend into the print head and secure it in place by installing the two M3 screws. (2.0mm Allen wrench)

Be sure to use the provided PTFE tube.

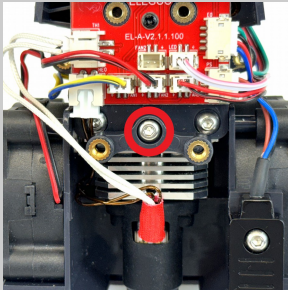
STEP 7



CONNECT THE HOTEND CABLES

- Connect the heater and thermistor cables to the matching ports on the breakout board.
- Tuck the brown heater wires into the gap on the left side of the heatsink.

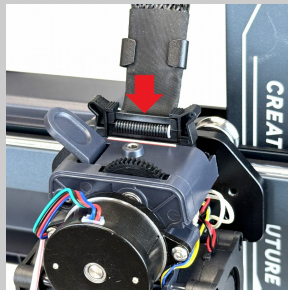
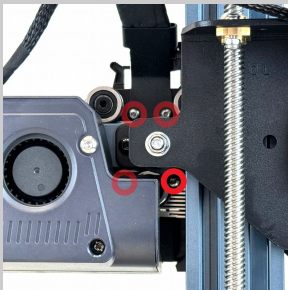
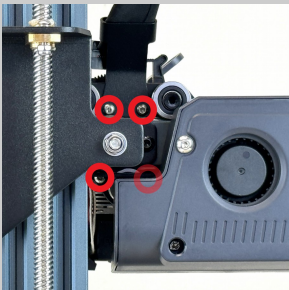
STEP 8



REINSTALL THE ADAPTER BRACKET

- Reattach the small adapter bracket to the print head using the M3 screw. (2.0mm Allen wrench)

STEP 9



REATTACH THE PRINT HEAD

- Reattach the print head to the carriage using four M3 screws. (2.0mm Allen wrench)

The carriage will need to be moved to the sides of the large fan assembly to gain access to the four screws.

- Reconnect the ribbon cable to the print head.

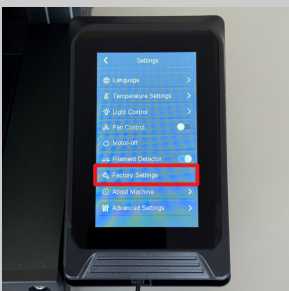
STEP 10



REINSTALL THE FAN SHROUD

- Slide the fan shroud into position onto the print head.
- Reinstall the M3 screws on each side to secure the fan shroud. (2.0mm Allen wrench)

STEP 11



CALIBRATE THE PROBE

- Plug the power cable in and power on the 3D printer.
- Reset the Z offsets back to zero by selecting the following menu options on the 3D printer screen: **Settings**, **Factory Settings**, and then **Confirm**.
- Adjust the Z offsets by selecting: **Level**, **Confirm**, and then use the **up/down arrows** to set the nozzle height. Press the **save** icon in the top right of the screen.

Installation Complete.