

Microswiss FlowTech™ Hotend for Creality Ender-5 Max

INSTALLATION INSTRUCTIONS

Tools Required:

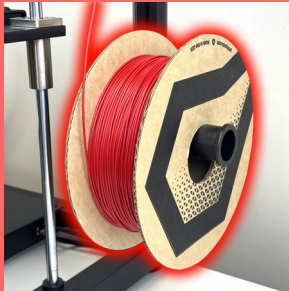
2.0mm Allen wrench
2.5mm Allen wrench

What's in the box:

Heatsink
Titanium Mounting Screws (2x)
Heater Core

0.4mm Hyper CHT Nozzle
Silicone Sock

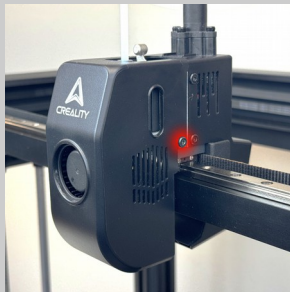
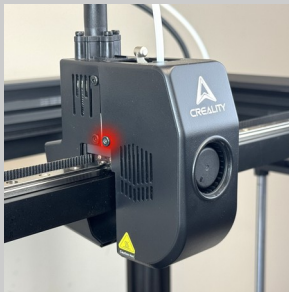
STEP 1



SAFETY / PREPARATION

- Unload the filament from the print head.
- Allow the hotend to cool down to room temperature.
- **Power off the printer.**
IMPORTANT - Servicing the hotend while powered on can damage components.
- Disconnect the power cable from the printer.

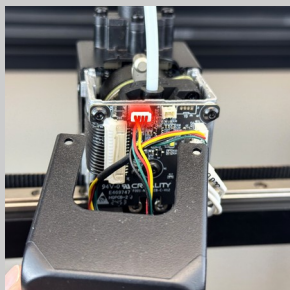
STEP 2



UNFASTEN THE FAN SHROUD

- Remove the screws on the left and right sides of the fan shroud.
(2.0mm Allen wrench)

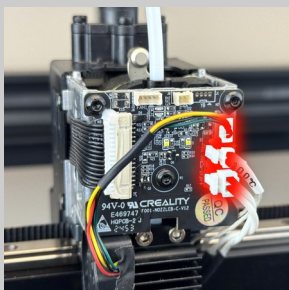
STEP 3



REMOVE THE FAN SHROUD

- Pivot the bottom of the shroud away from the carriage and then pull the shroud upward to take it off.
- Disconnect the part cooling fan connector from the tool head board.

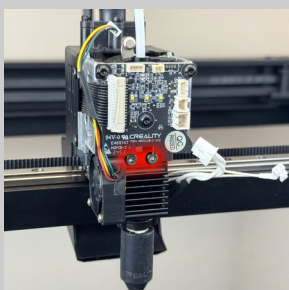
STEP 4



DISCONNECT THE ORIGINAL HOTEND

- Disconnect the original hotend's thermistor, heater and heatsink fan connectors from the toolhead board.

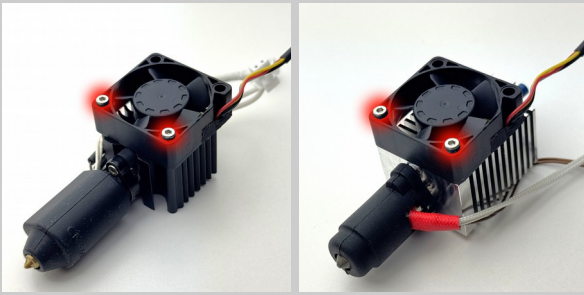
STEP 5



UNFASTEN THE ORIGINAL HOTEND

- Remove the two screws securing the original hotend to the carriage.
(2.5mm Allen wrench)

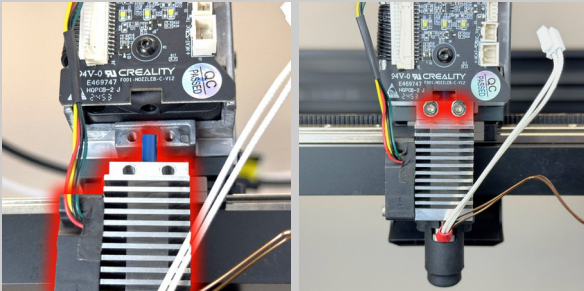
STEP 6



TRANSFER THE FAN

- Remove the two screws securing the heatink fan to the original hotend. (2.0mm Allen wrench)
- Fasten the fan to the FlowTech heatsink using the original screws. (2.0mm Allen wrench)

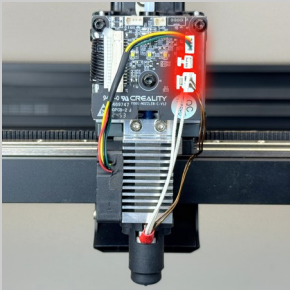
STEP 7



FASTEN THE FLOWTECH HOTEND

- Insert the FlowTech hotend's PTFE tube into the opening at the bottom of the extruder.
- Fasten the FlowTech hotend to the carriage using the original mounting screws. (2.5mm Allen wrench)

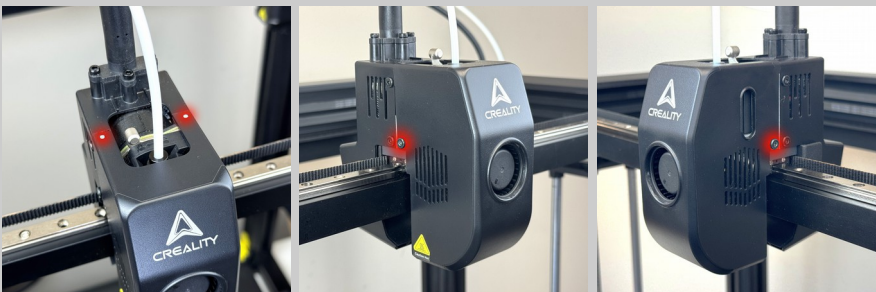
STEP 8



CONNECT THE FLOWTECH HOTEND

- Attach the heater, thermistor and heatsink fan connectors to the matching ports on the toolhead board.

STEP 9

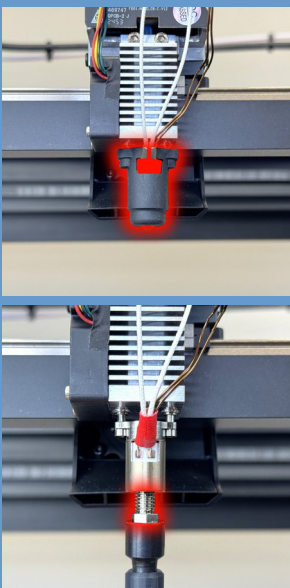


INSTALL THE FAN SHROUD

- Align the fan shroud with the two locating posts at the top of the print head.
- Reinstall the screws on the left and right sides of the fan shroud. (2.0mm Allen wrench)

Installation Complete!

SERVICE NOTE



NOZZLE REPLACEMENT PROCEDURE

FlowTech nozzles can be swapped while the hotend is at room temperature, as long as there is no dried filament residue in the threads.

- Allow the hotend to cool down to room temperature.
- Remove the fan shroud.
- Pull the silicone sock off of the heater core.
- Unscrew the nozzle using a 7mm wrench.
- Install and tighten the new nozzle using a 7mm wrench.
Recommended Torque: 15 inch pounds

Be careful to not over tighten the nozzle if using a regular socket wrench.

- Replace the silicone sock.
- Reinstall the fan shroud.

[Click here for replacement nozzles](#)