

Microswiss FlowTech™ Hotend for Creality K2 and K2 Pro

INSTALLATION INSTRUCTIONS

Tools Required:

2.0mm Allen wrench

What's in the box:

Heatsink
Titanium Mounting Screws (2x)
Heater Core

0.4mm CHT CM2 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.
- Disconnect the power cable from the printer.

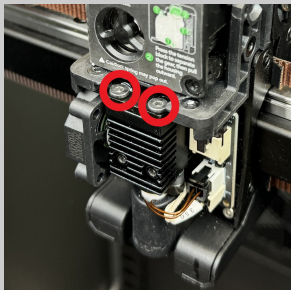
STEP 2



REMOVE THE FAN SHROUD

- Pull the magnetic fan shroud off of the print head.

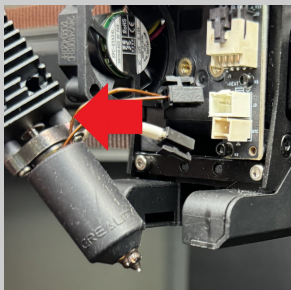
STEP 3



UNFASTEN THE ORIGINAL HOTEND

- Remove the two screws located at the top of the heatsink.
(2.0mm Allen wrench)
- Remove the two screws from the front of the heatsink.
(2.0mm Allen wrench)

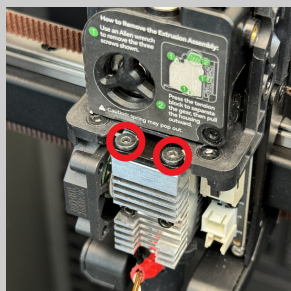
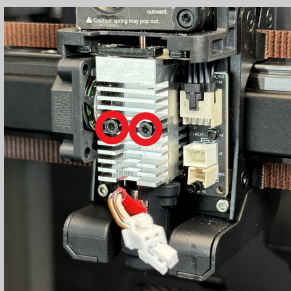
STEP 4



DISCONNECT THE CABLES

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

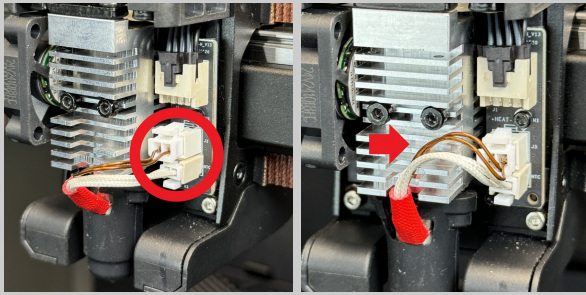
STEP 5



FASTEN THE FLOWTECH HOTEND

- Secure the FlowTech hotend to the carriage using the four original mounting screws.
(2.0mm Allen wrench)

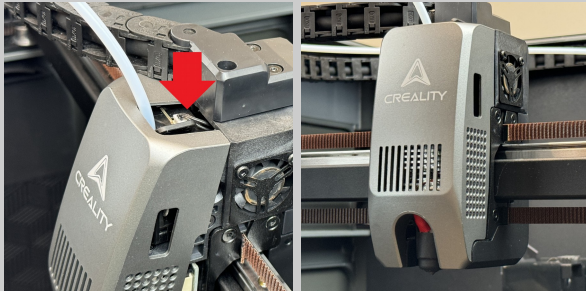
STEP 6



CONNECT THE FLOWTECH HOTEND

- Connect the heater and thermistor cables to the matching ports on the breakout board.
- Tuck the cables into the cutout slot in the heatsink so that they do not get in the way of the fan shroud.

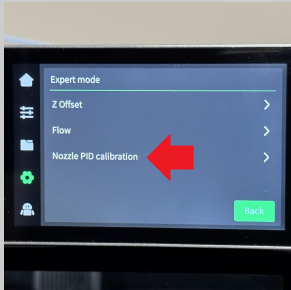
STEP 7



INSTALL THE FAN SHROUD

- Reinstall the magnetic fan shroud.

STEP 8

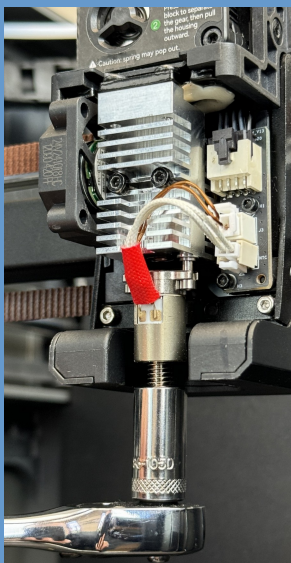


PID CALIBRATION

- Power on the printer.
- Navigate the printer screen menus to Nozzle PID Calibration: Press the **Gear** icon on the left side of screen, select **Expert Mode**, **Nozzle PID Calibration**, and then **Start**. Leave the PID Calibration temperature at the default 240C value.
- Wait about 5 minutes for the PID calibration process to complete.

Installation Complete!

SERVICE NOTE



NOZZLE REPLACEMENT PROCEDURE

FlowTech nozzles can be swapped while the hotend is at room temperature.

- Remove the magnetic fan shroud.
- Pull the silicone sock off of the heater core.
- Unscrew the nozzle using a 7mm wrench.
- Install and tighten the 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 magnetic fan shroud.

Click here for replacement nozzles

FLOWTECH NOZZLE OPTIONS



M3001
Brass Plated Nozzle

Flow: Standard
Tip: Standard
Max Temp: 300°C

Sizes available:
0.25mm, 0.3mm,
0.4mm, 0.6mm,
0.8mm, 1.0mm



M2904
CM2 Nozzle

Flow: Standard
Tip: Hardened Steel

Sizes available:
0.4mm, 0.6mm,
0.8mm, 1.0mm



M2905
CHT Nozzle

Flow: **High-Flow**
Tip: Standard
Max Temp: 300°C

Sizes available:
0.4mm, 0.6mm,
0.8mm, 1.0mm



M2907
CHT CM2 Nozzle

Flow: **High-Flow**
Tip: Hardened Steel

Sizes available:
0.4mm, 0.6mm,
0.8mm, 1.0mm



DBFT-175-04
DiamondBack Nozzle

Flow: Standard
Tip: Diamond Tip
Max Temp: 300°C

Sizes available:
0.25mm, 0.4mm,
0.6mm, 0.8mm,
1.0mm