

Microswiss FlowTech™ Hotend for Elegoo Centauri Carbon

INSTALLATION INSTRUCTIONS

Tools Required:

2.5mm Allen wrench

What's in the box:

Heatsink
Titanium Mounting Screws (2x)
Heater Core

0.4mm CHT CM2 Nozzle
Silicone Sock

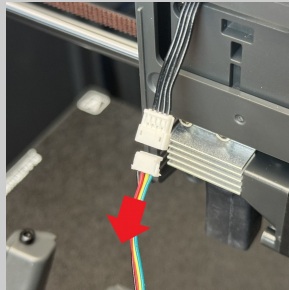
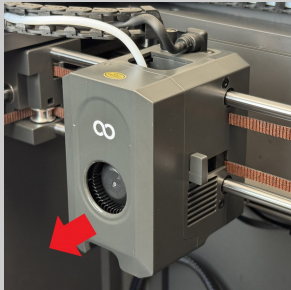
STEP 1



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.

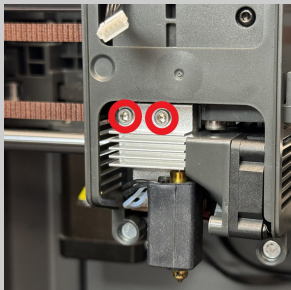
STEP 2



REMOVE THE FAN SHROUD

- Pull the magnetic fan shroud off the print head.
- Disconnect the part cooling fan and set the fan shroud aside.

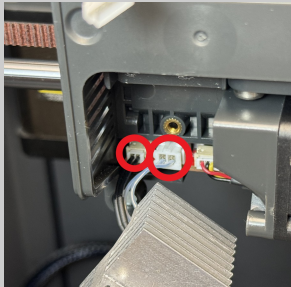
STEP 3



UNFASTEN THE ORIGINAL HOTEND

- Remove the two screws from the front of the heatsink.
(2.5mm Allen wrench)

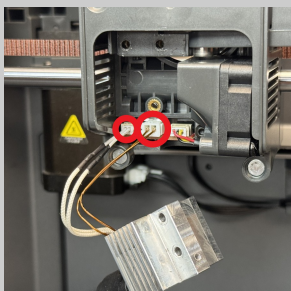
STEP 4



DISCONNECT THE ORIGINAL HOTEND

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

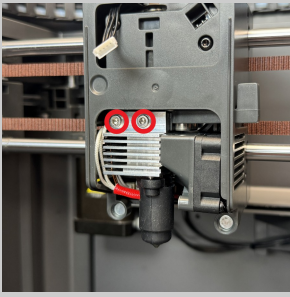
STEP 5



CONNECT THE FLOWTECH HOTEND

- Connect the heater and thermistor cables to the matching ports of the breakout board.

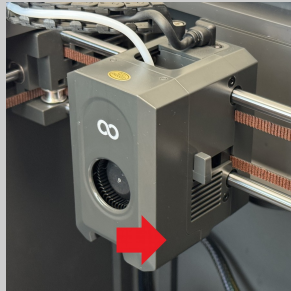
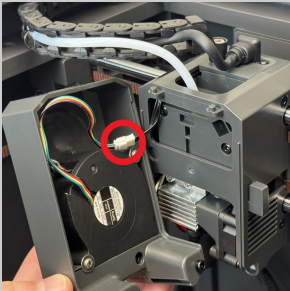
STEP 6



FASTEN THE FLOWTECH HOTEND

- Secure the FlowTech hotend to the carriage using the two original mounting screws. (2.5mm Allen wrench)
- Tuck the cables in to the gap on the left side of the heatsink.

STEP 7

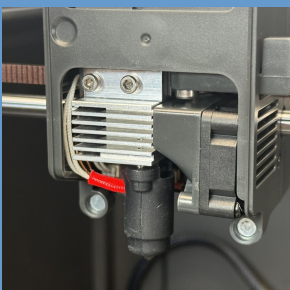
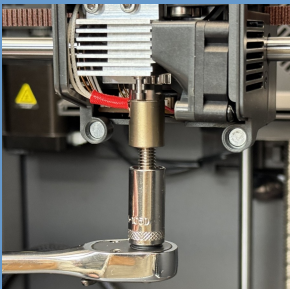
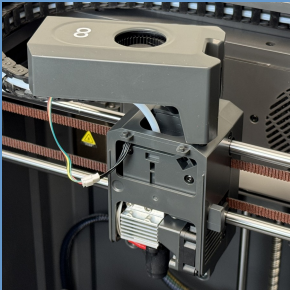


INSTALL THE FAN SHROUD

- Reconnect the part cooling fan.
- Reinstall the magnetic fan shroud onto the print head.

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