

Micro Swiss FlowTech™ Hotend for Creality Ender-3 V3 KE

INSTALLATION INSTRUCTIONS

Tools Required:

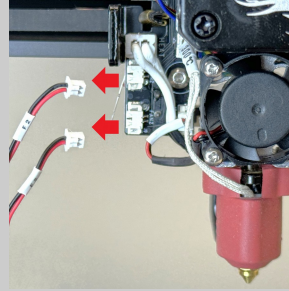
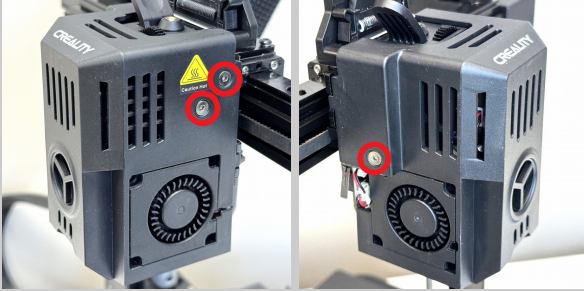
1.5mm Allen wrench
2.0mm Allen wrench
7mm wrench

What's in the box:

Silicone Sock
Heater Core
0.4mm Nozzle

Copper Thermal Adapter
Titanium Mounting Screw (2x)

STEP 1

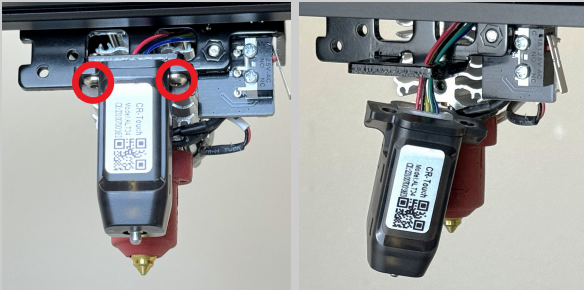


REMOVE THE FAN SHROUD

⚠ For your safety – allow the hotend to cool to room temperature and disconnect the power cable.

- Remove the three screws securing the fan shroud and pull the fan shroud off of the print head. (2.0mm Allen wrench)
- Disconnect the two part cooling fan cables from the break out board.

STEP 2

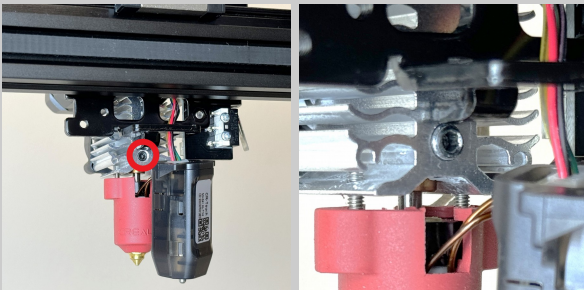


UNSCREW THE CR-TOUCH

- Remove the two screws holding the CR-Touch probe. (2.0mm Allen wrench)

The CR-Touch can remain attached to the cable, it will only need to be moved aside to gain access the set screw in the cooling block in the following steps.

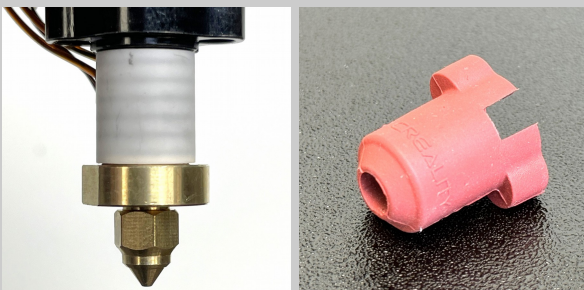
STEP 3



LOOSEN THE THERMAL BREAK

- Loosen the set-screw located on the back-side of the cooling block. (2.0mm Allen wrench)

STEP 4



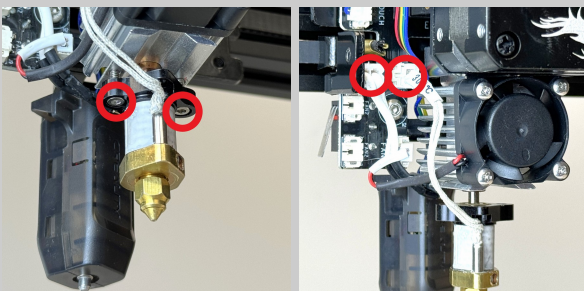
REMOVE THE SILICONE SOCK

⚠ Verify the hotend is at room temperature before touching it.

- Pull the silicone sock off of the heater core.

There is a ridge near the bottom of the stock hotend so the silicone sock will need to be pinched and pulled over the ridge.

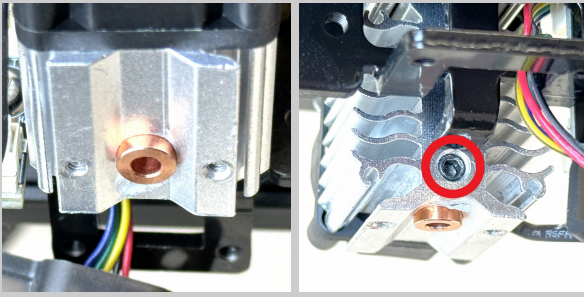
STEP 5



REMOVE THE HEATER CORE

- Remove the two screws that secure the heater core to the cooling block. (1.5mm Allen wrench)
- Disconnect the to heater and thermistor connectors from the breakout board.

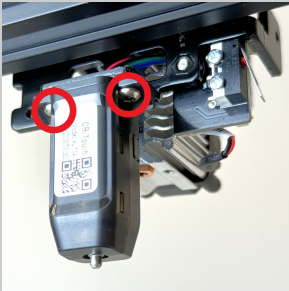
STEP 6



INSTALL THE COPPER THERMAL ADAPTER

- Insert the copper thermal adapter into the cooling block.
- Ensure that the larger hole is at the bottom.
- While continuing to push the copper thermal adapter up, tighten the set screw located at the back of the cooling block. (2.0mm Allen wrench)

STEP 7



REINSTALL THE CR-TOUCH

- Reattach the CR-Touch probe to the carriage. (2.0mm Allen wrench)

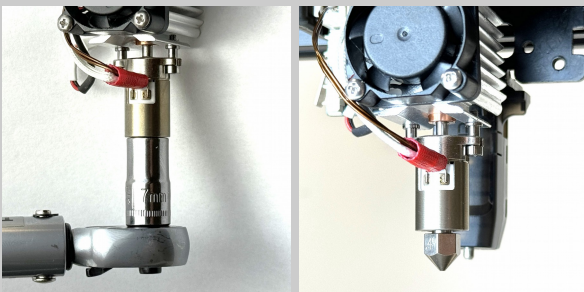
STEP 8



INSTALL THE HEATER CORE

- While holding the heater core with the two titanium mounting screws on each side, push the screws into the cooling block.
- Tighten the two screws until snug. (1.5mm Allen wrench)
- Attach the heater and thermistor connectors to the matching ports on the breakout board.

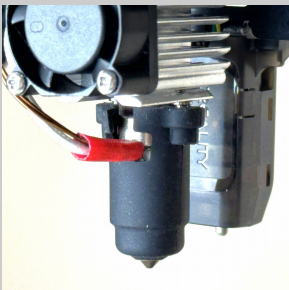
STEP 9



INSTALL THE NOZZLE

- Tighten the nozzle until it is snug. (7mm wrench)
- Recommended torque: 15 inch-pounds / 1.7 Newton Meters.
- There is no need to heat the hotend before tightening the FlowTech nozzle.

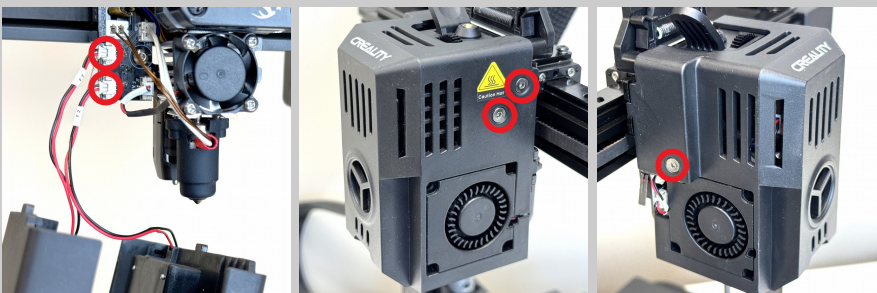
STEP 10



INSTALL THE SILICONE SOCK

- Align the cutout slot in the silicone sock with the heater core cables.
- Push the silicone sock up until it wraps around the top of the heater core.

STEP 11



REINSTALL THE FAN SHROUD

- Reattach the two part cooling fan cables to the breakout board.
- Place the fan shroud over the print head.
- Install the three screws to secure the fan shroud. (2.0mm Allen wrench)