

# Micro Swiss FlowTech™ Hotend for Creality CR-10 SE INSTALLATION INSTRUCTIONS

## Tools Required:

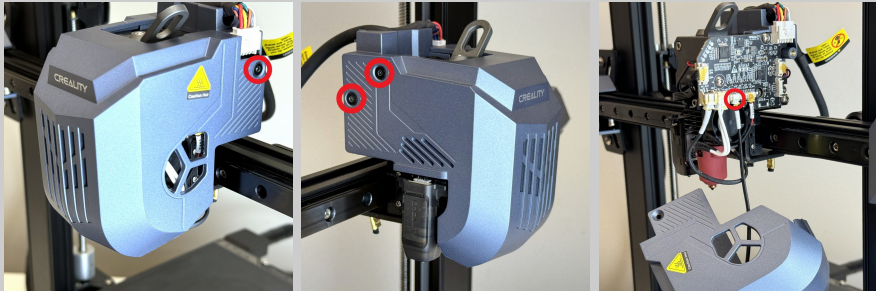
1.5mm Allen wrench  
2.0mm Allen wrench  
7mm wrench

## What's in the box:

Silicone Sock  
Heater Core  
0.4mm Nozzle

Copper Thermal Adapter  
Titanium Mounting Screw (2x)

STEP 1

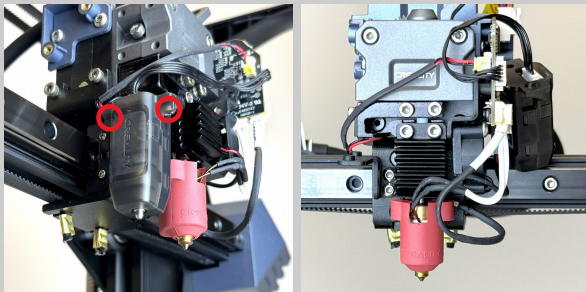


## REMOVE THE FAN SHROUD

⚠ 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 part cooling fan cable from the break out board.

STEP 2

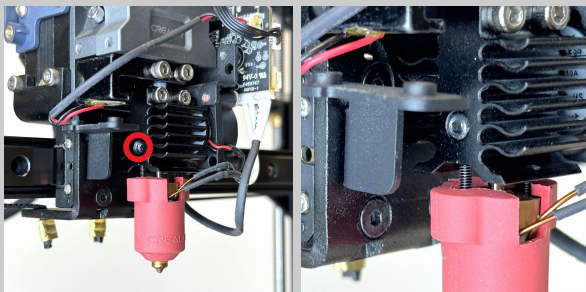


## UNSCREW THE CR-TOUCH

- 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.

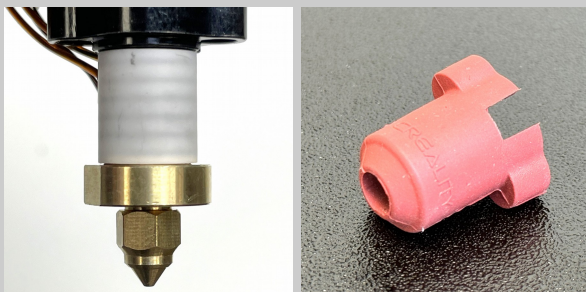
STEP 3



## LOOSEN THE THERMAL BREAK

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

STEP 4



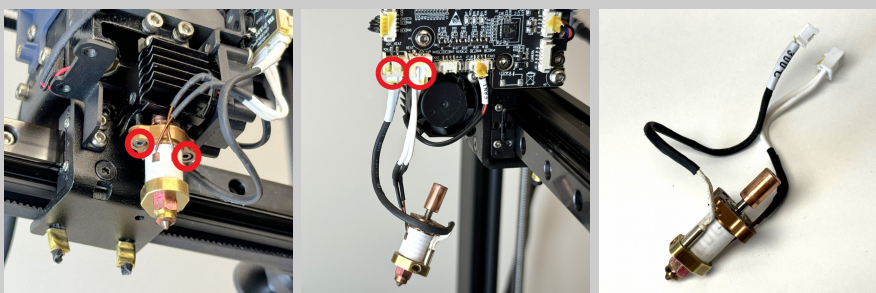
## REMOVE THE SILICONE SOCK

⚠ 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.

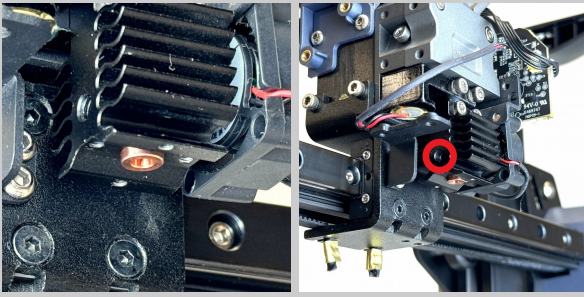
STEP 5



## 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.

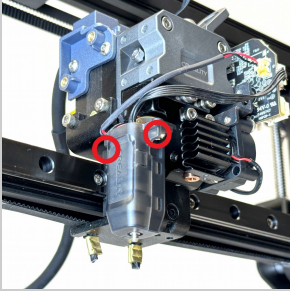
## STEP 6



### 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 on the left side of the cooling block. (2.0mm Allen wrench)

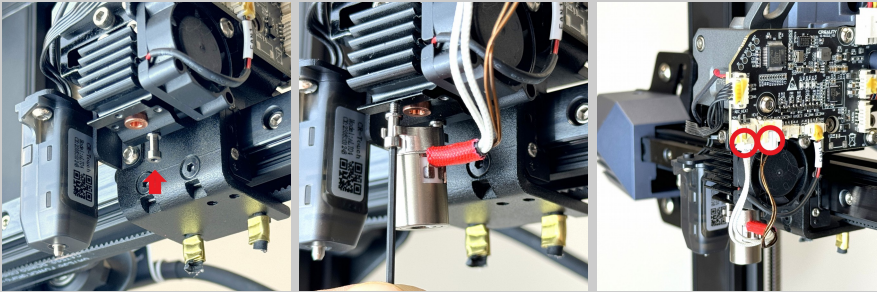
## STEP 7



### REINSTALL THE CR-TOUCH

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

## STEP 8

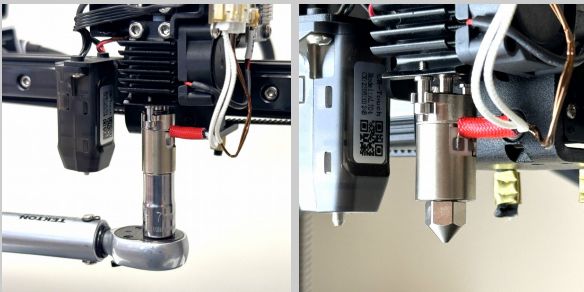


### INSTALL THE HEATER CORE

- Attach the heater core to the cooling block using the titanium mounting screws. (1.5mm Allen wrench)
- Attach the heater and thermistor connectors to the matching ports on the breakout board.

The heater core will still be free to wobble at this point.

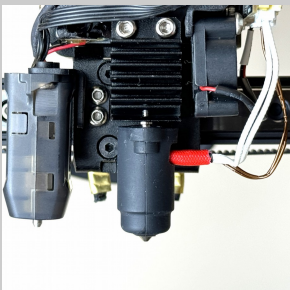
## STEP 9



### 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.

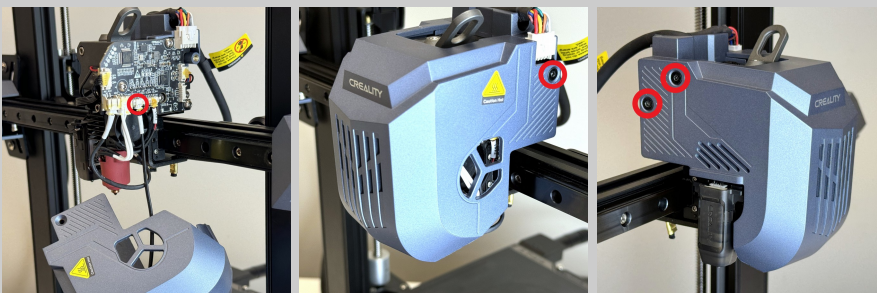
## STEP 10



### 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 part cooling fan cable 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)