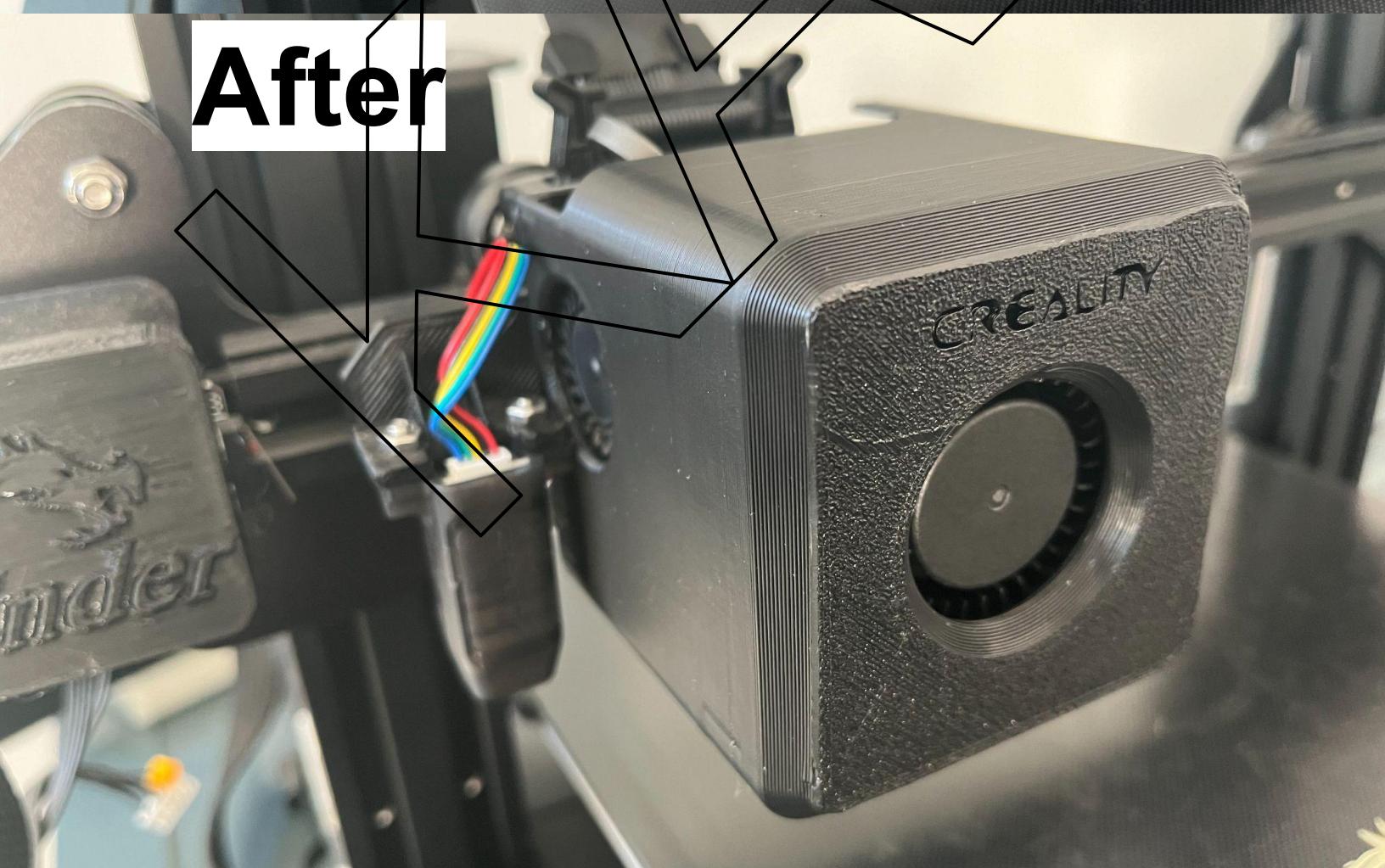


Before



After



Tools needed

Wire strippers (or something to strip wires)

Crimper (or something to crush butt connectors)

2 and 2.5mm allen keys

A heat source to shrink heat shrink

Parts list

2 x 8mm M3 screws

2 x M3 nuts

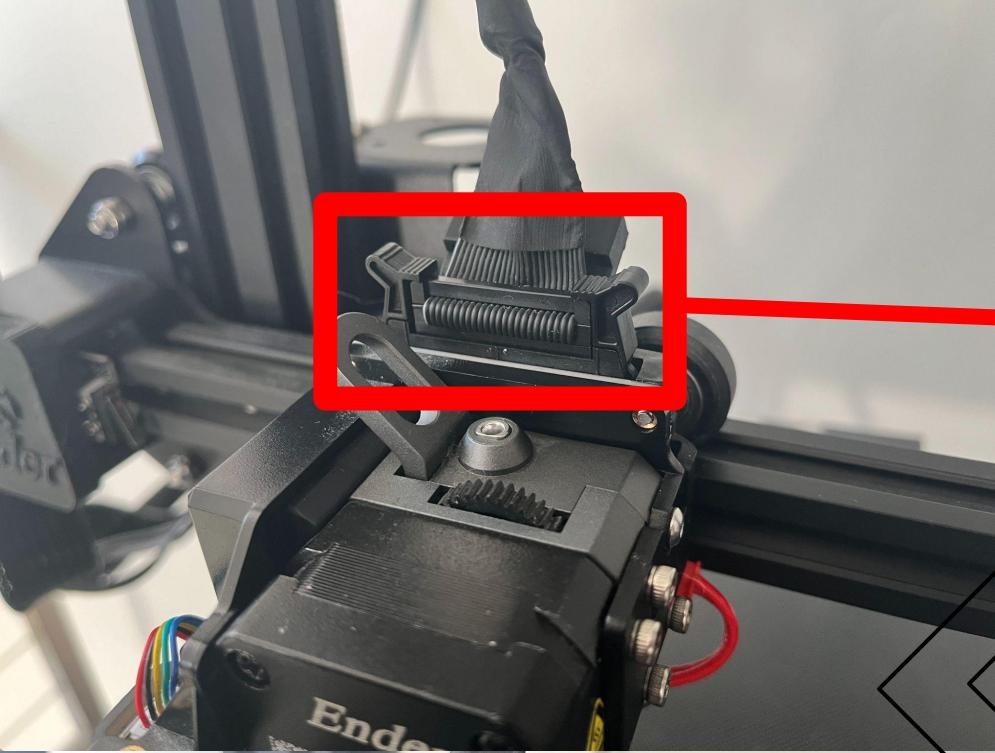
3 x butt connectors

2 x heat shrink pieces

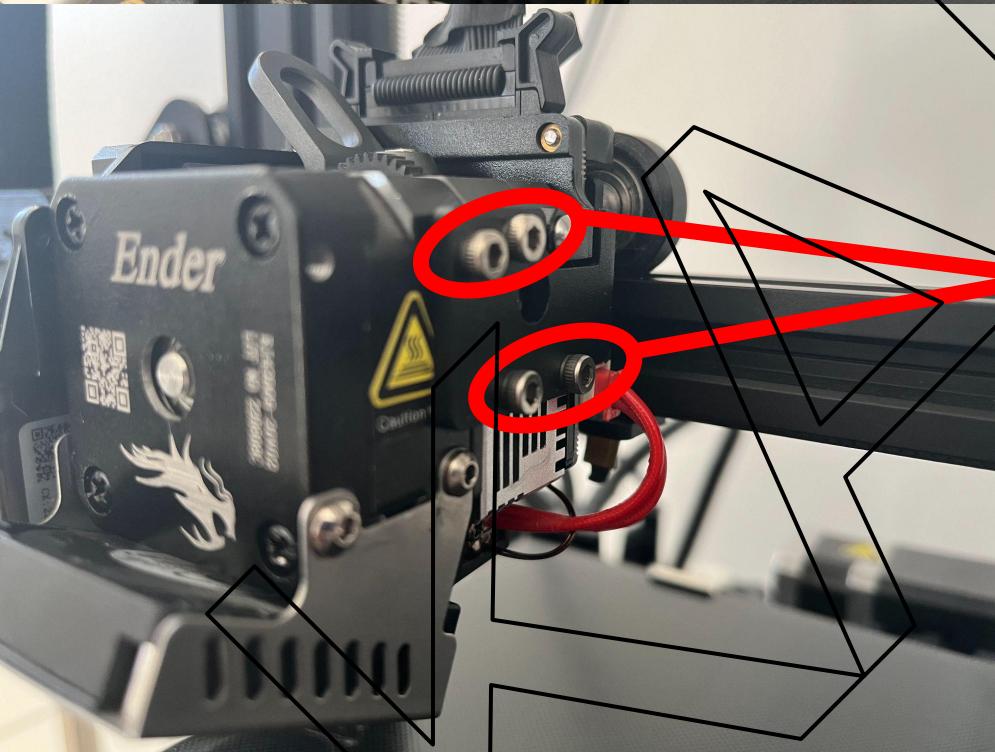
1 x Backing plate with magnets pre-installed

1 x Main fan cover with magnets pre-installed

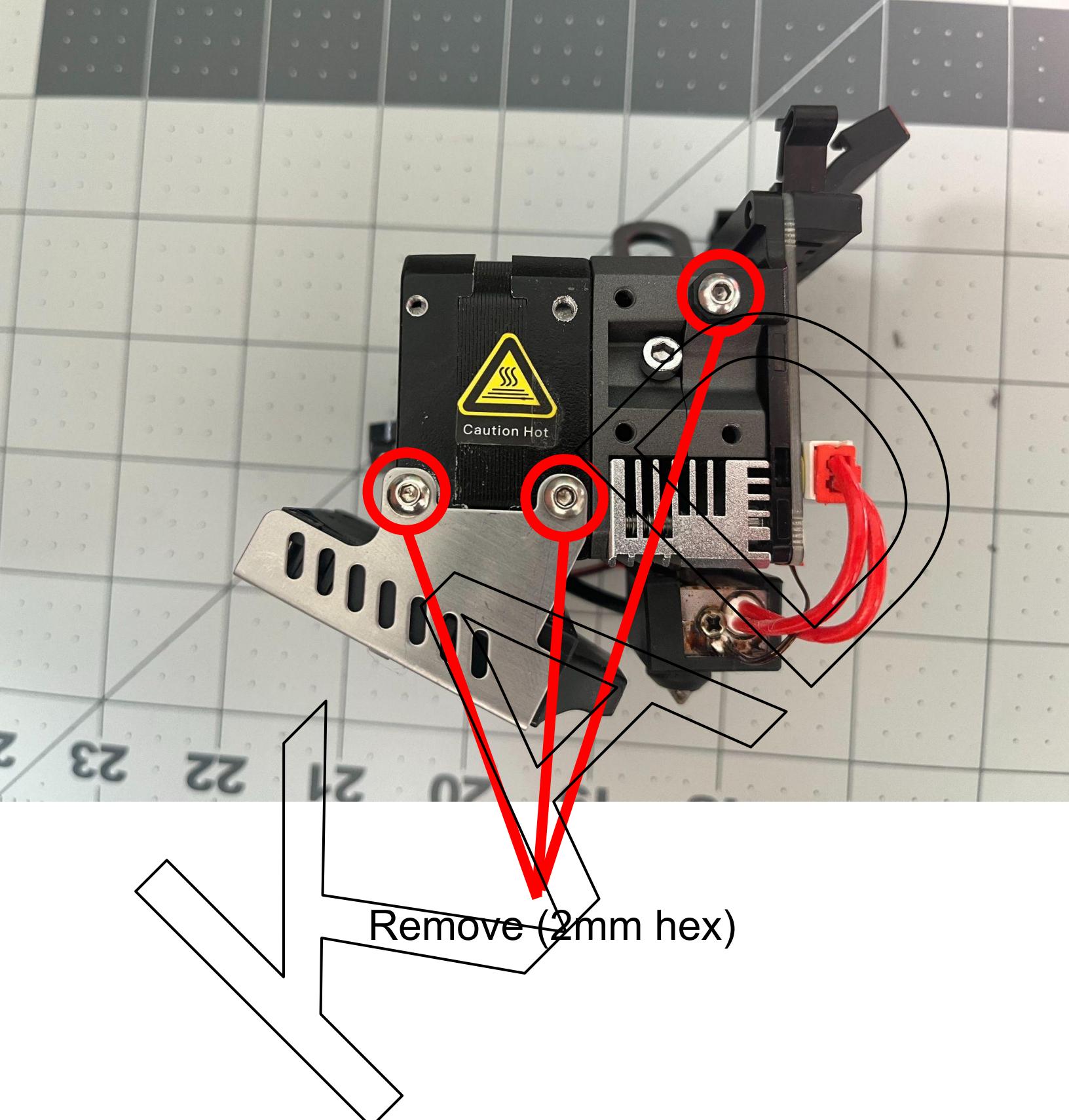
1 x 5015 fan

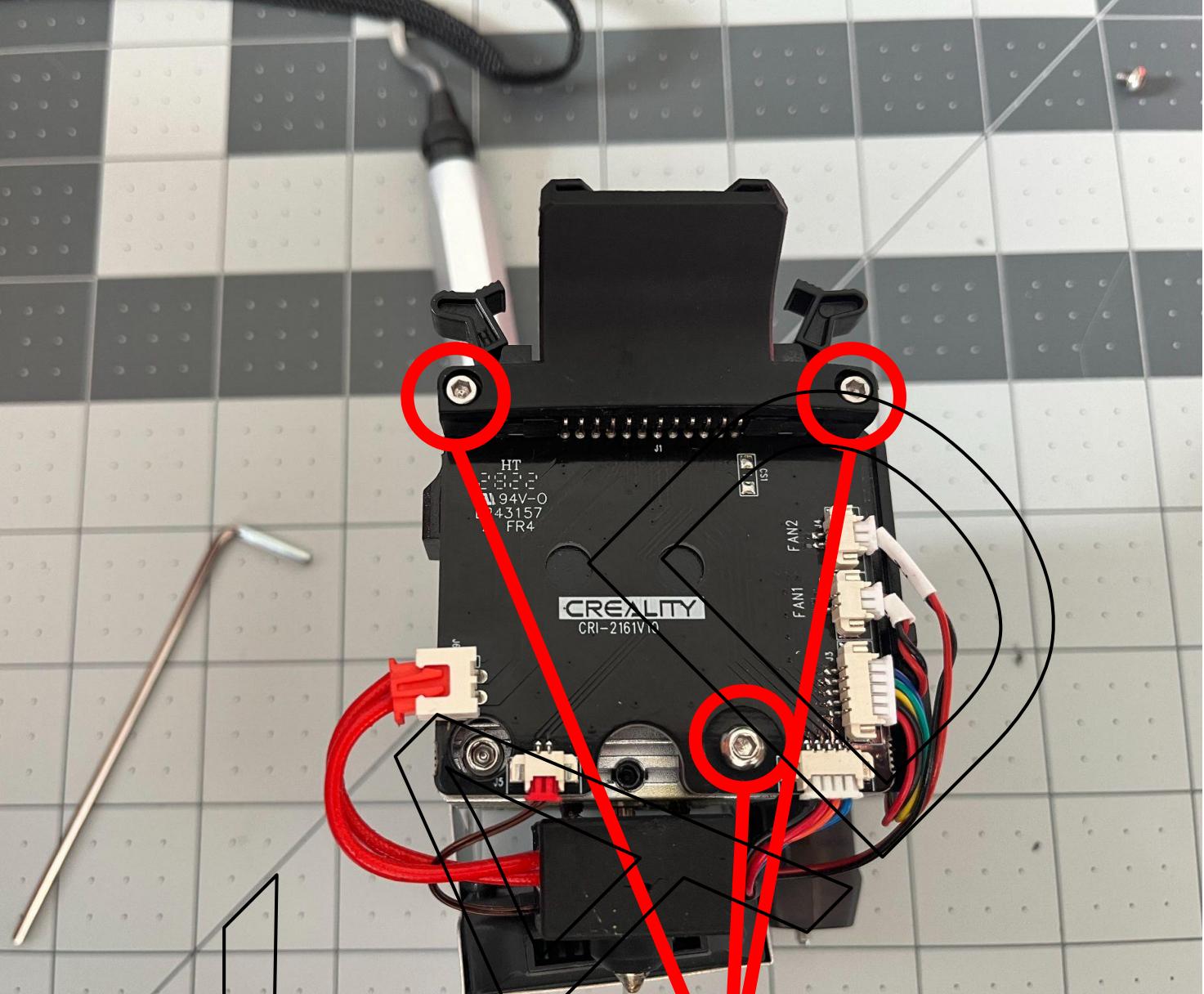


Remove ribbon cable (if applicable)

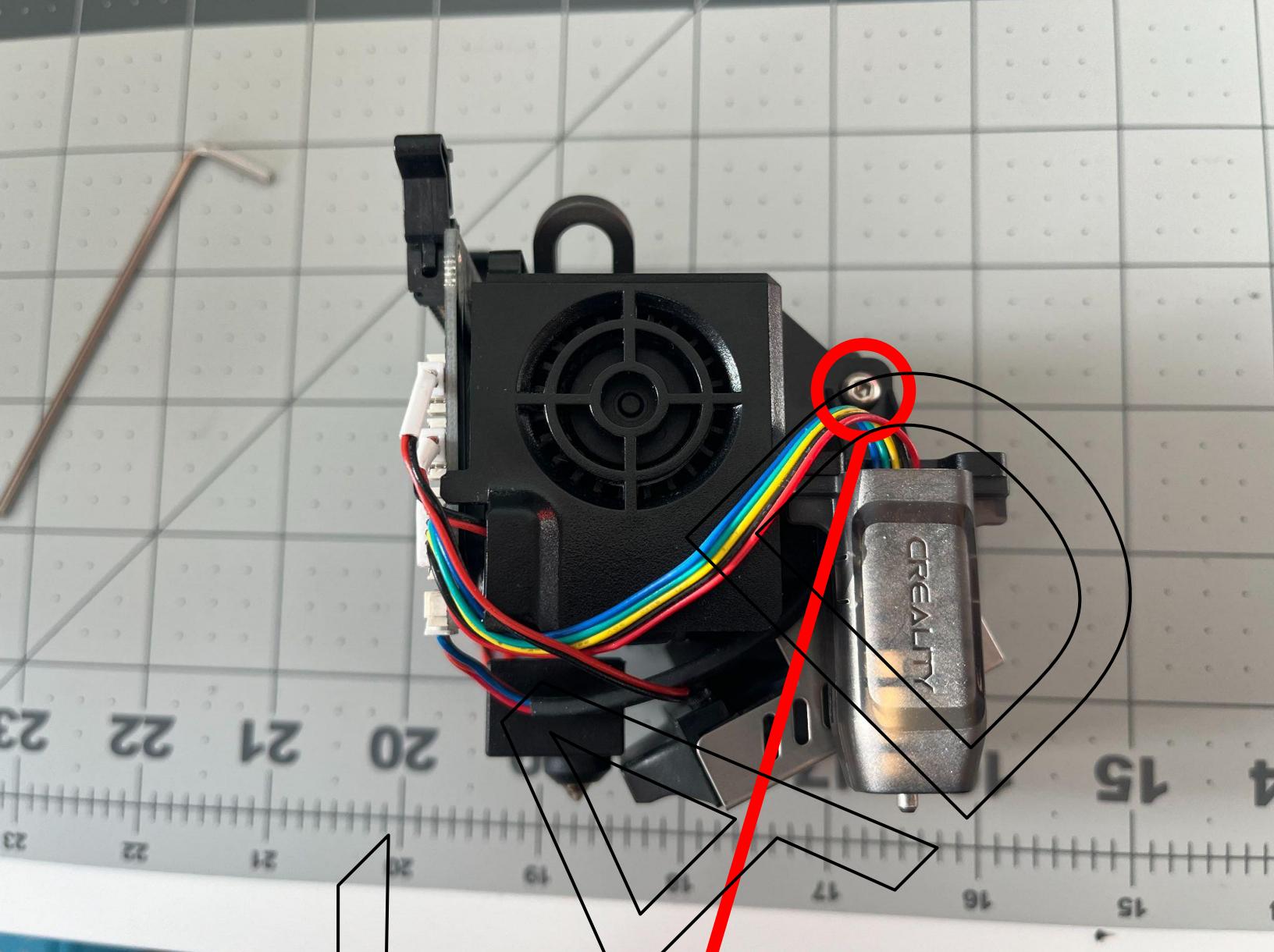


Remove the four screws (2.5mm hex)

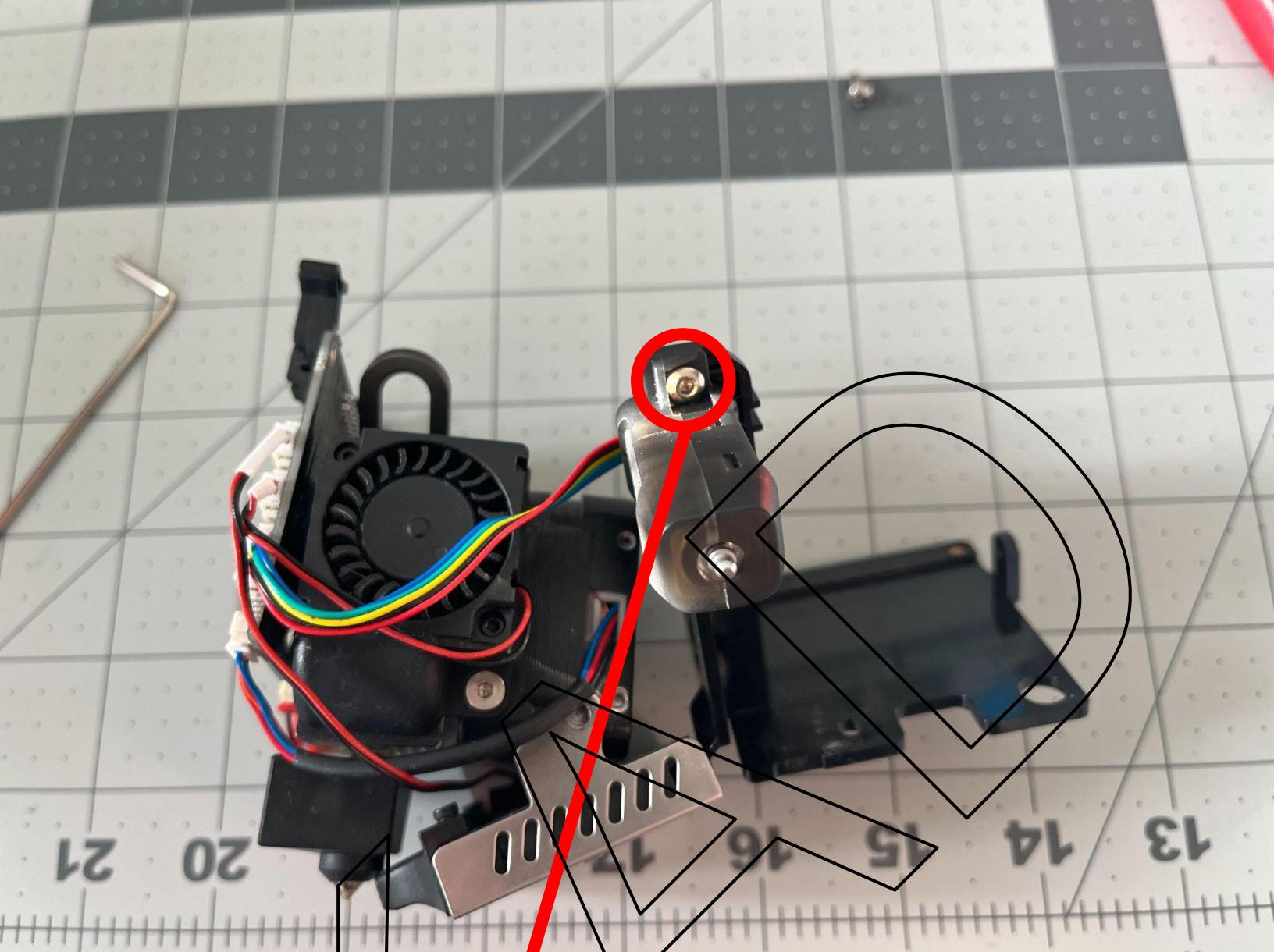




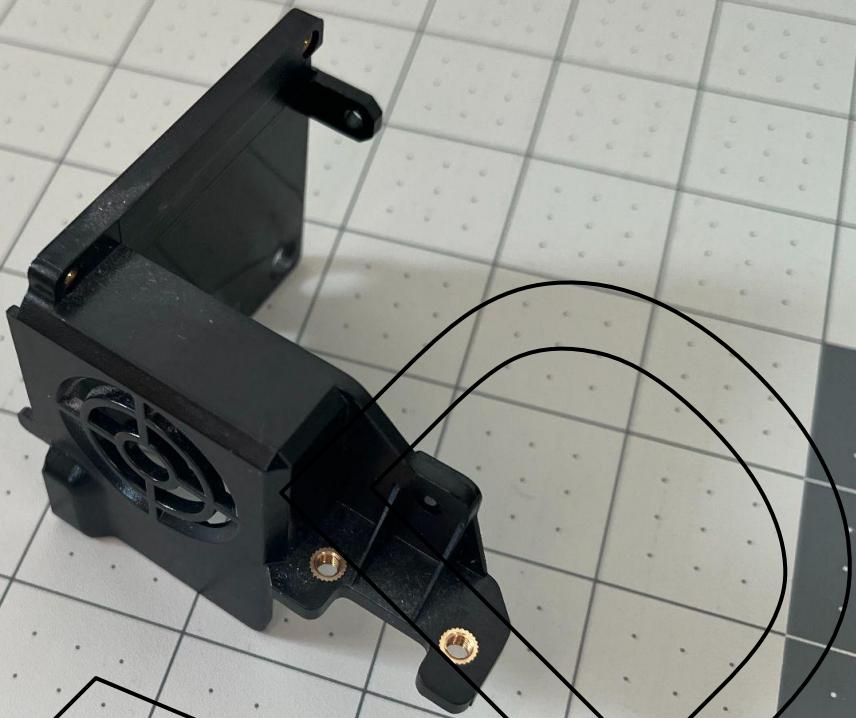
Remove (2mm hex)



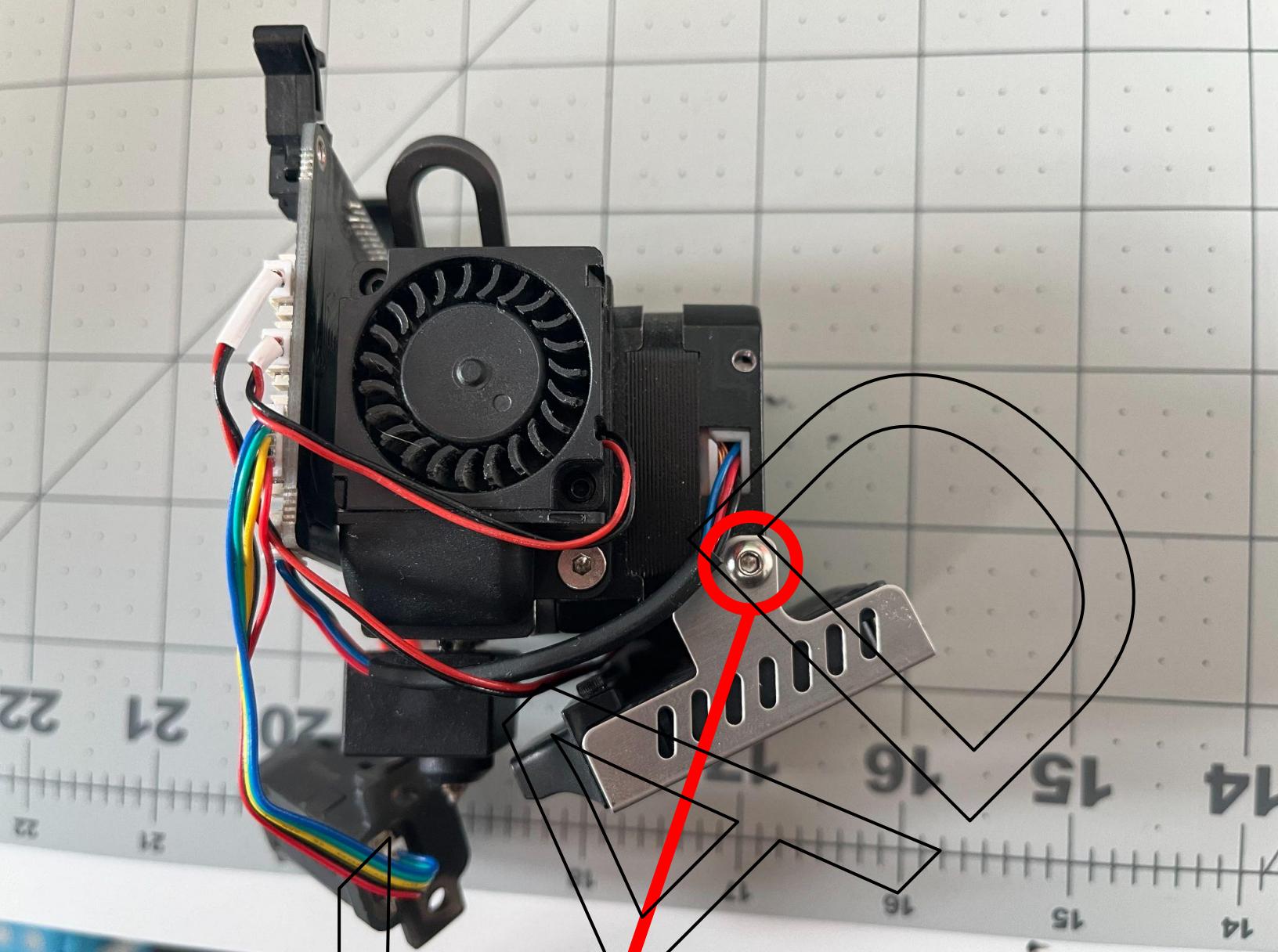
Remove (2mm hex)



Remove screw shown in image along with the other screw holding the CR touch that is not visible in this image (2mm hex)

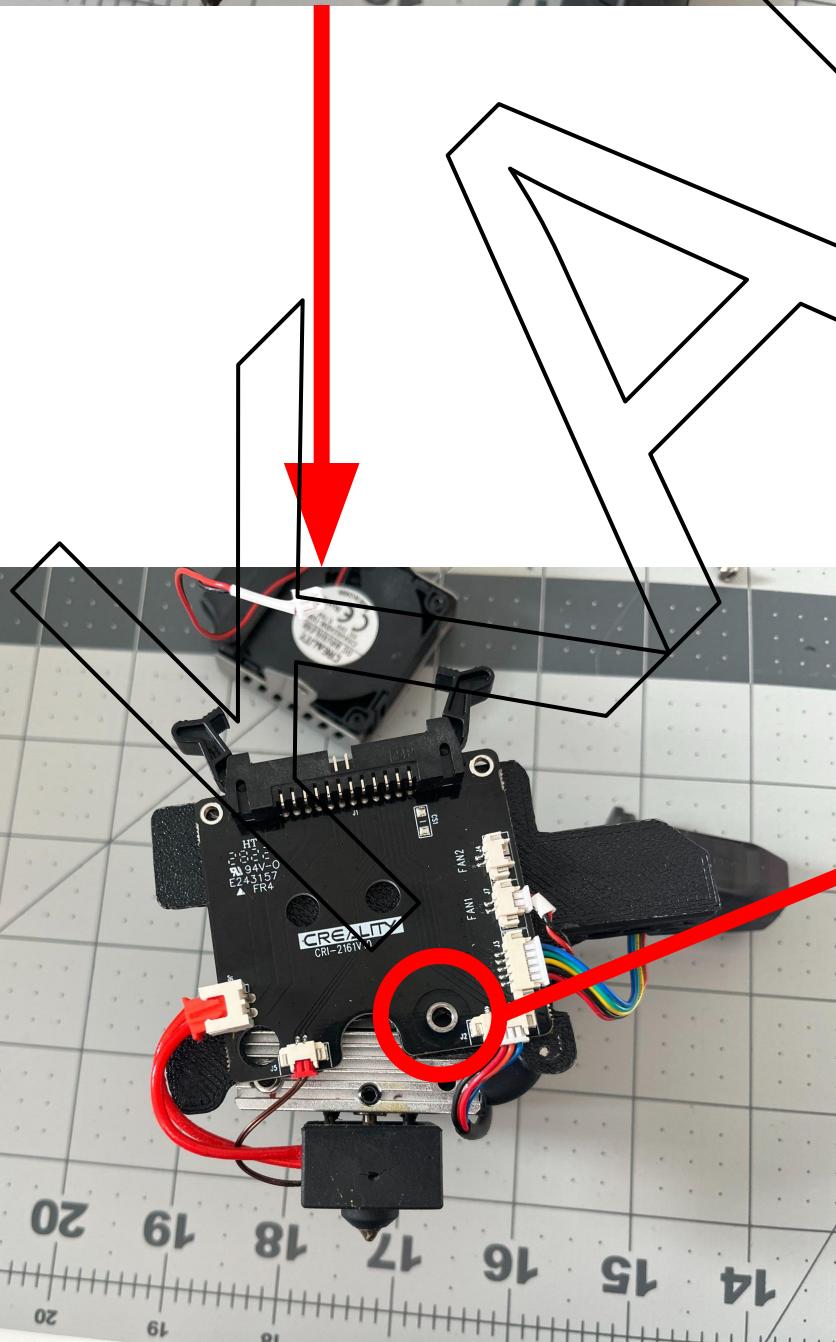
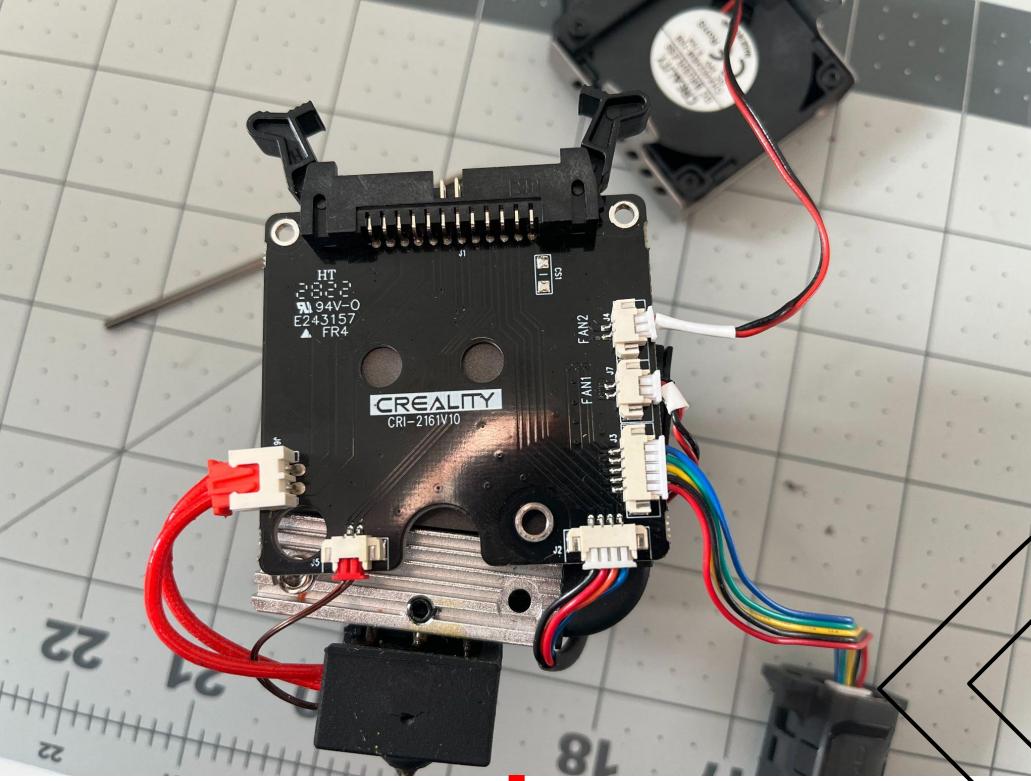


Once all screws previously mentioned been removed, the fan cover and CR touch mount should be easily removed. It will no longer be needed.

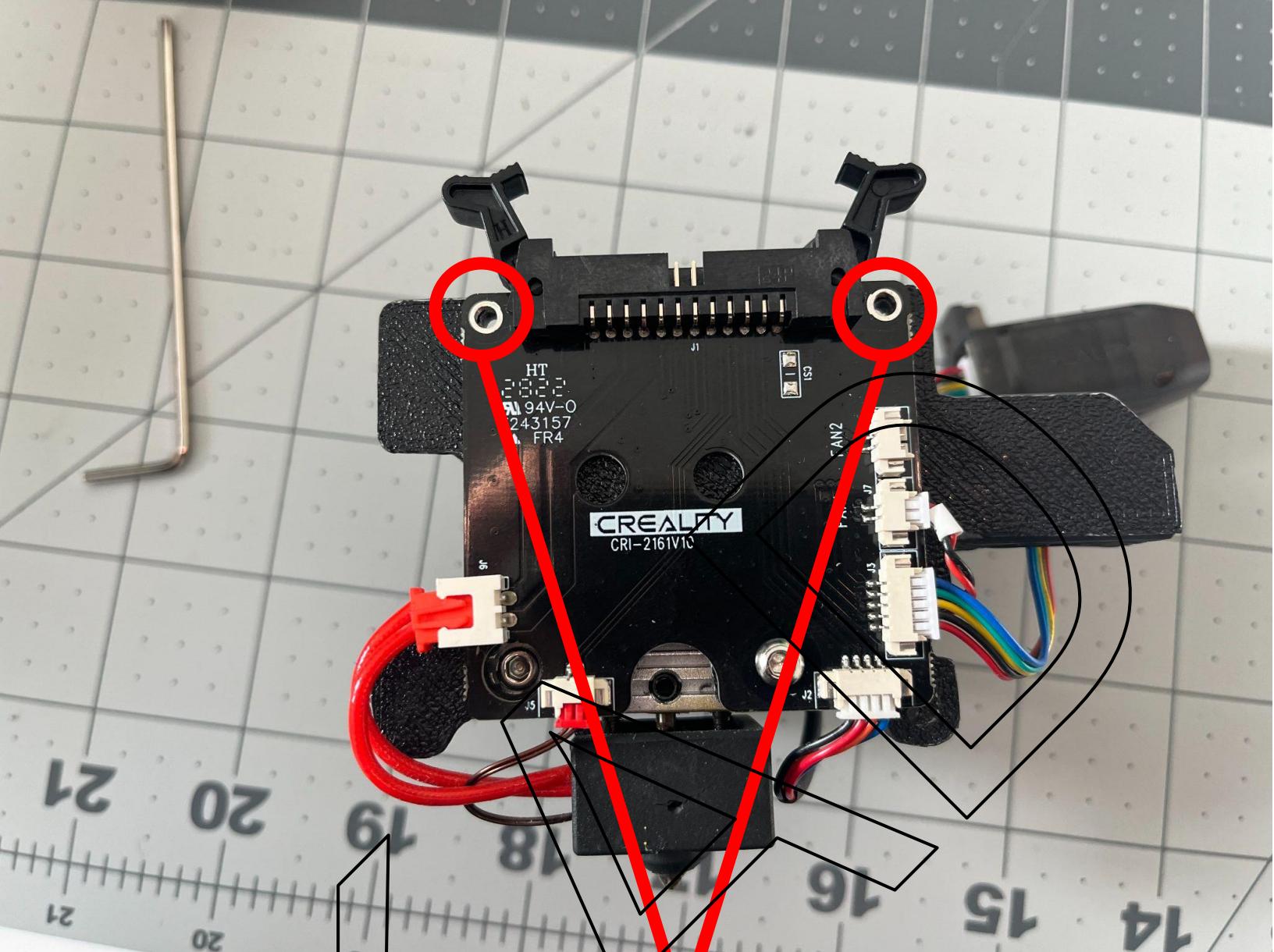


Remove (2mm hex)

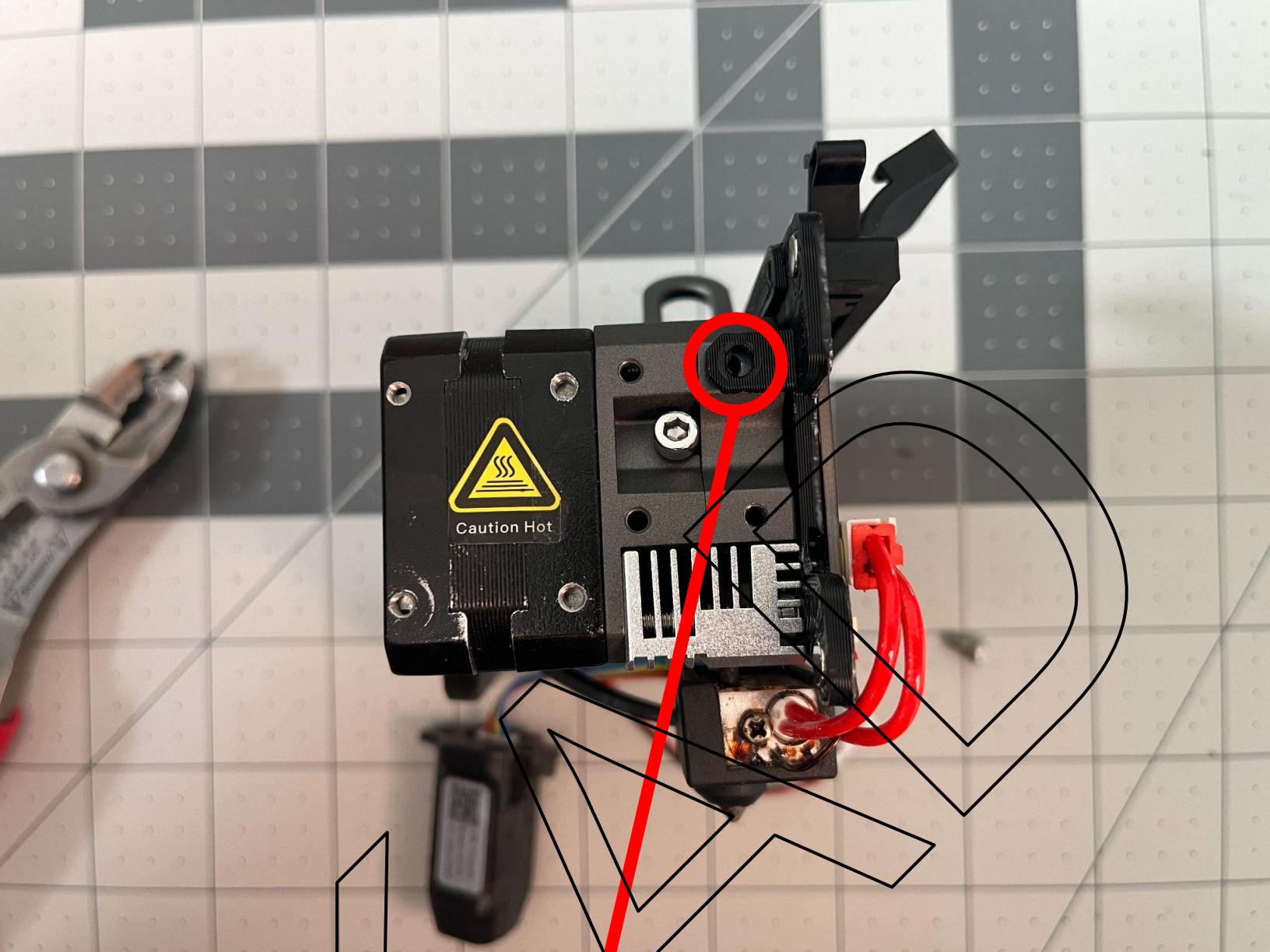
Carefully slide in the backing plate that is provided in the kit.



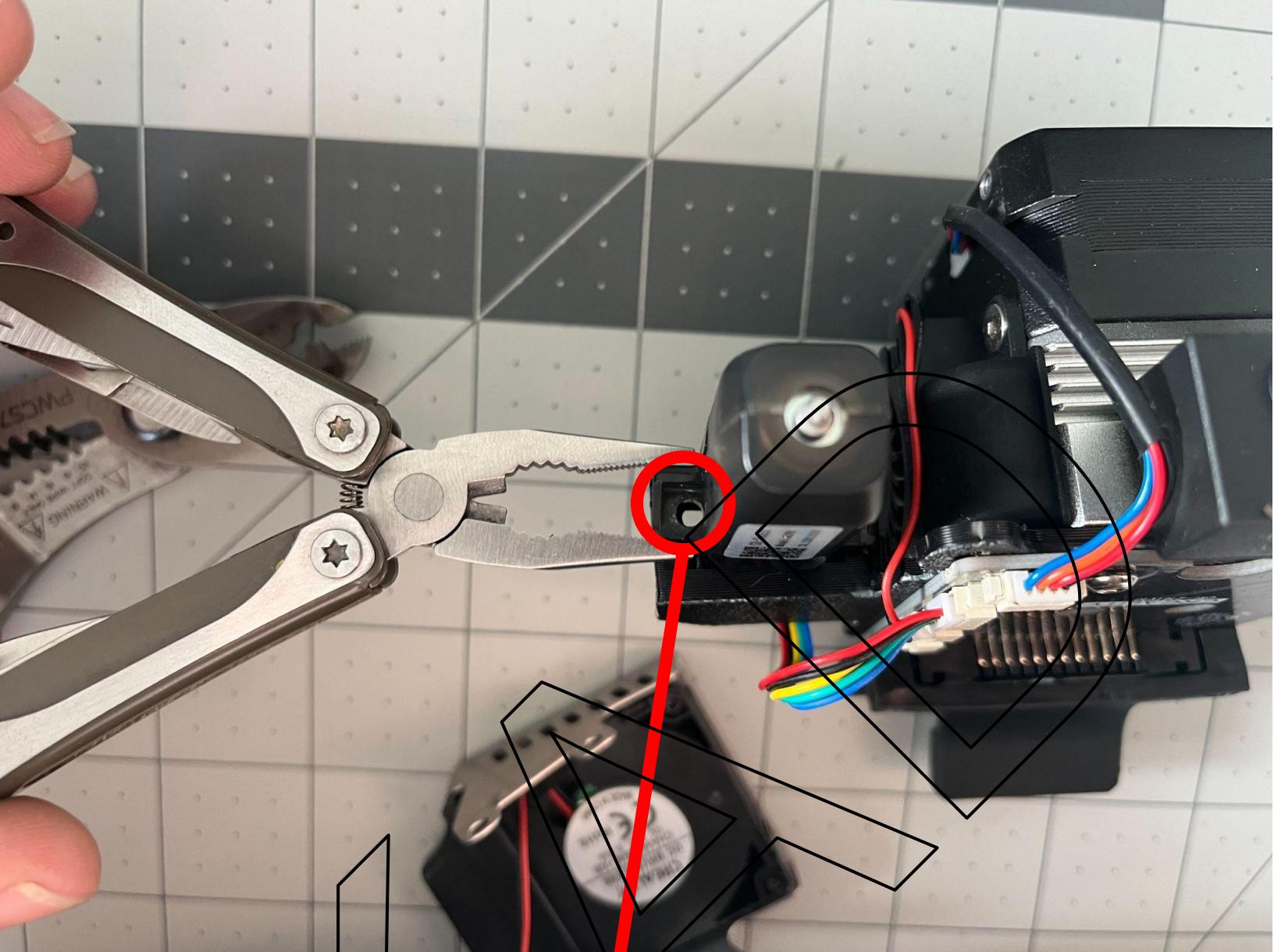
Install screw
(2mm hex)



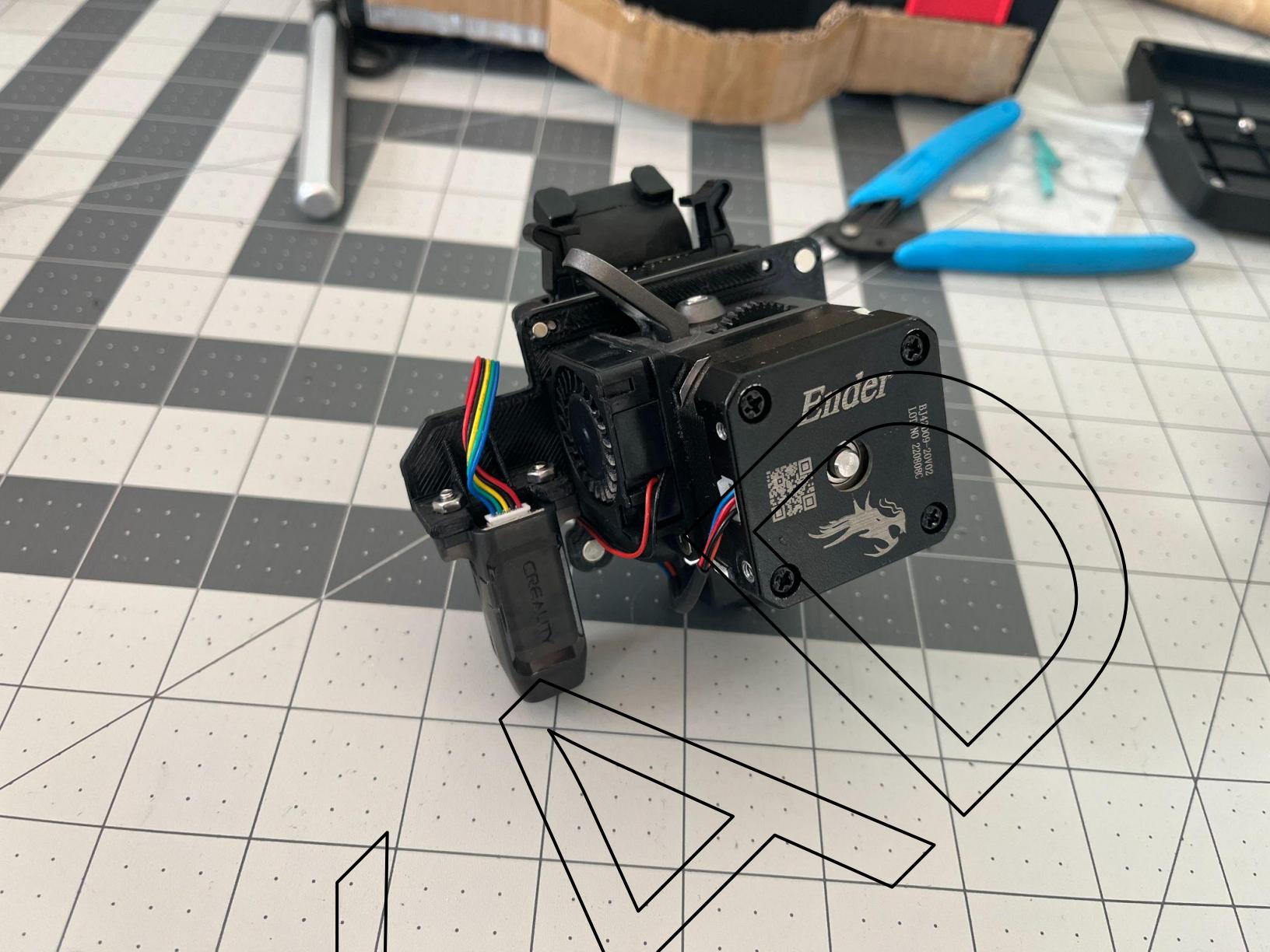
Install two screws along with ribbon cable support
(2mm hex)



Install screw (2mm hex)

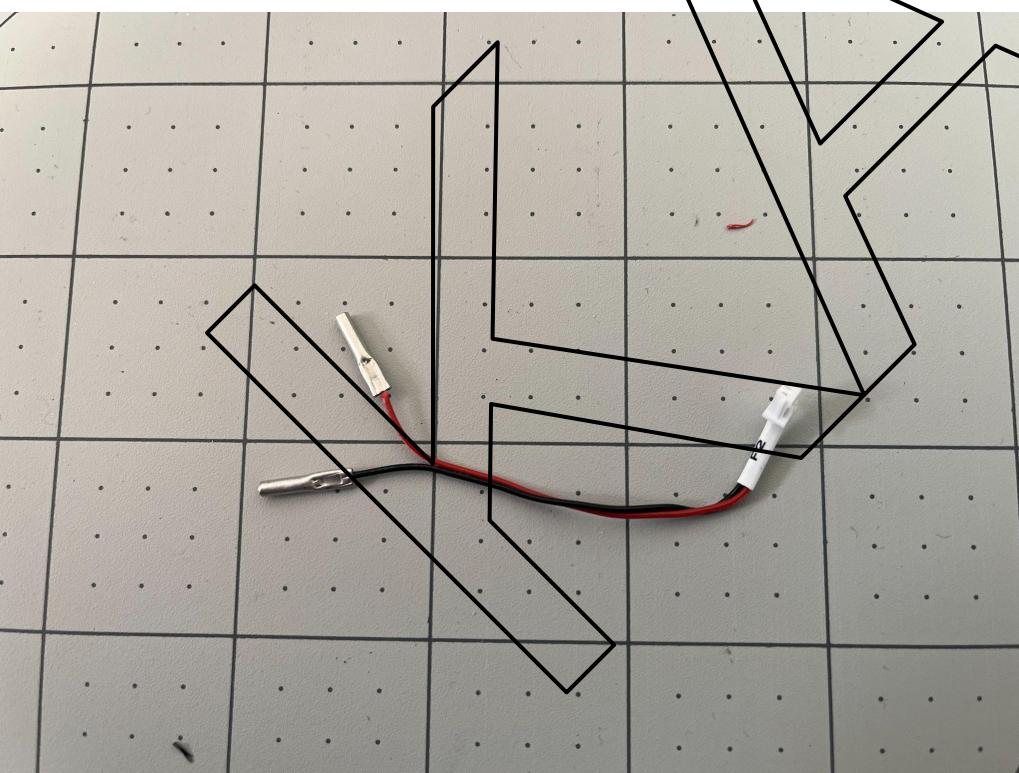
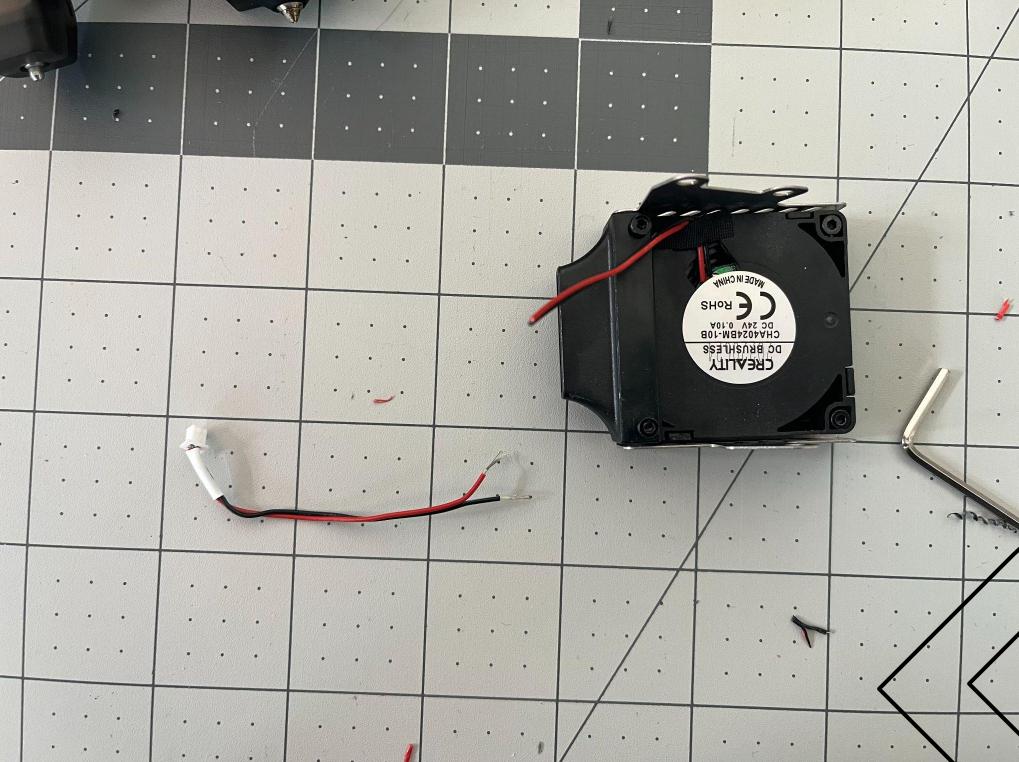


Install 8mm screws that are supplied with the kit along with the M3 nuts. Only one screw hole is visible in this image. (2mm hex)



At this point the print head should look like this.

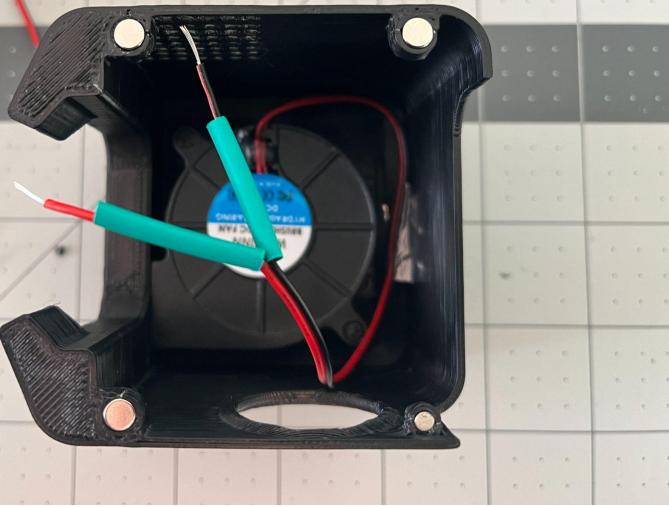
Cut wire off of original fan.



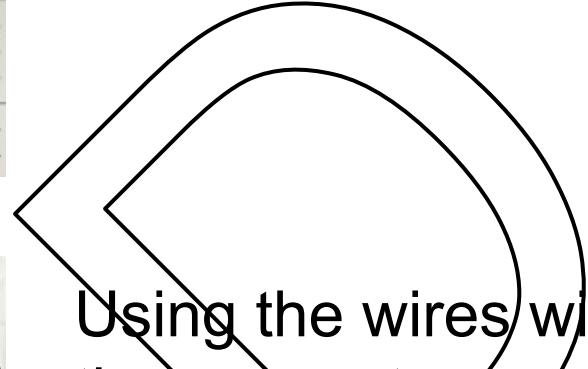
Strip wire
sheathing off.
Install the two
butt connectors.
Be sure to
lightly pull on
the connectors
to insure they
won't pull out.
That is why
there is an extra
connector
provided.



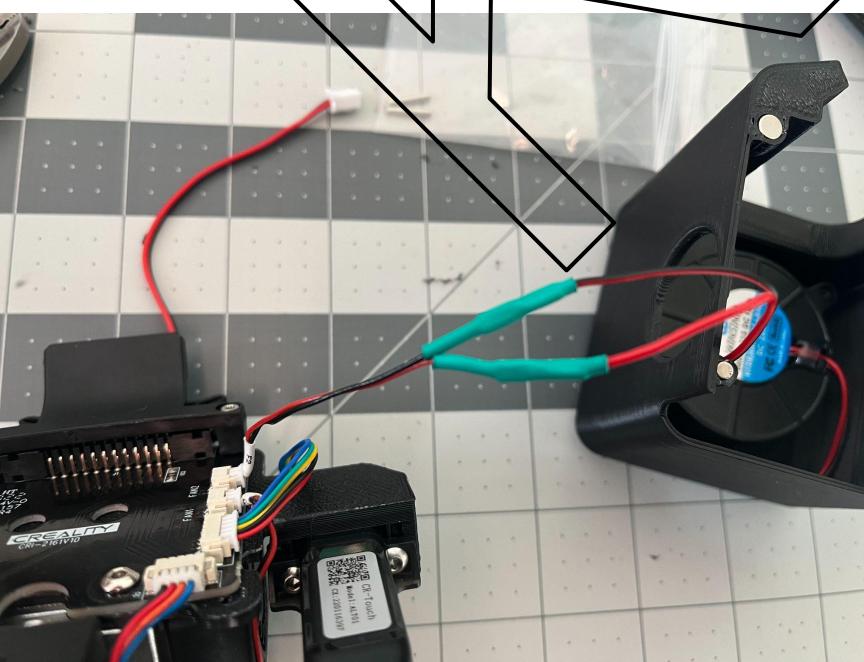
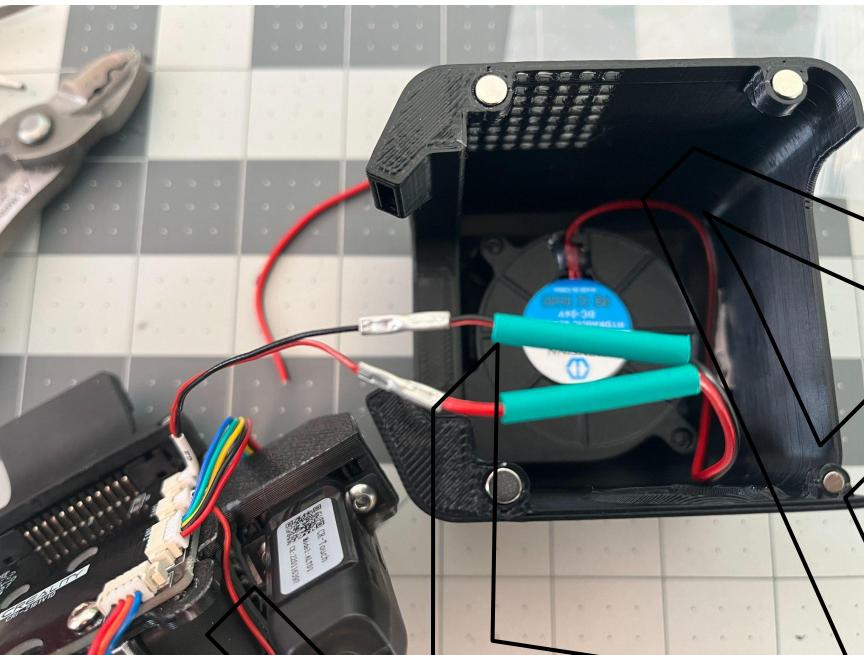
Have wiring for 5015 fan as shown to keep wires from getting caught.



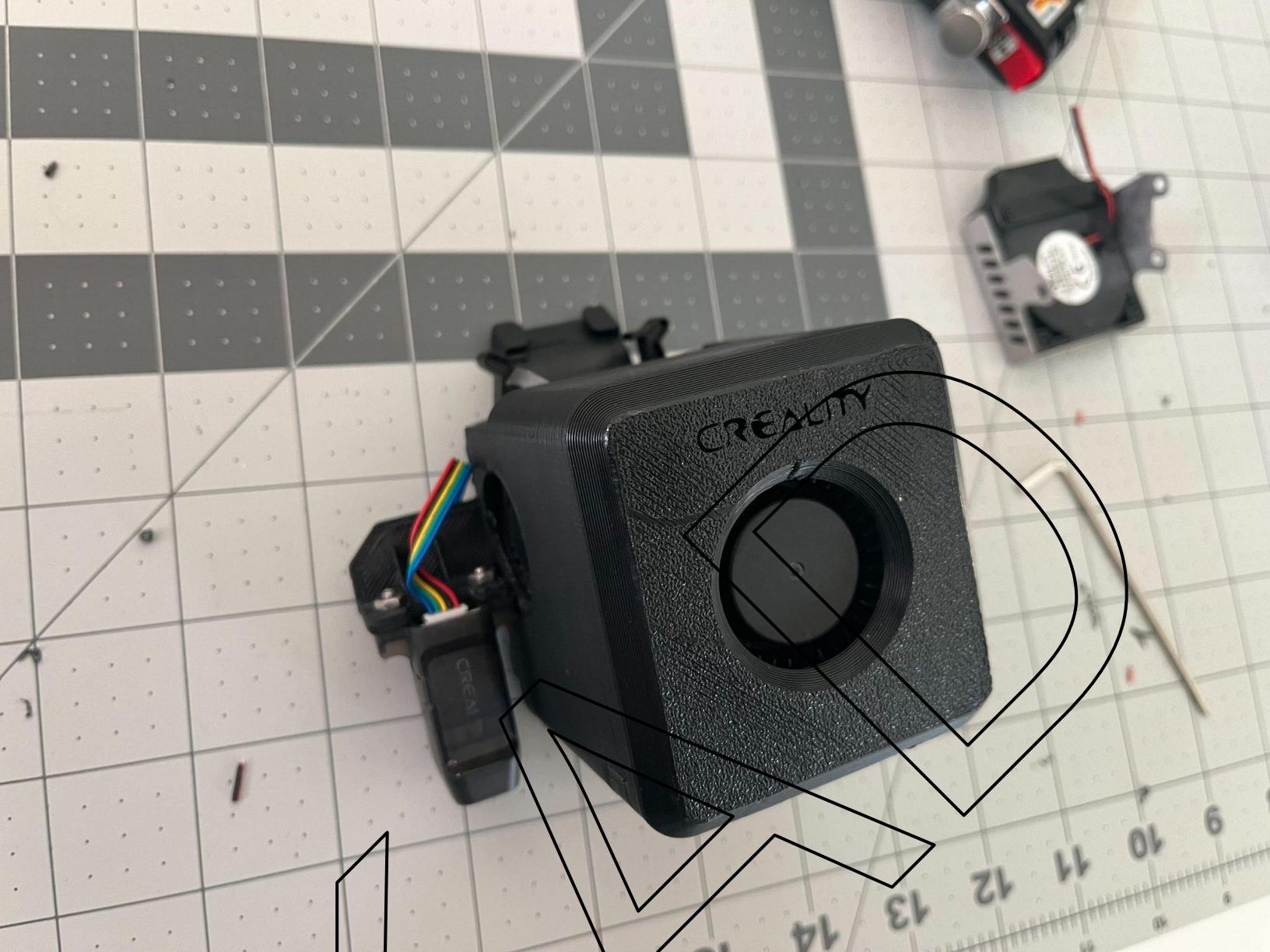
Strip wires, slide heat shrink on wires.



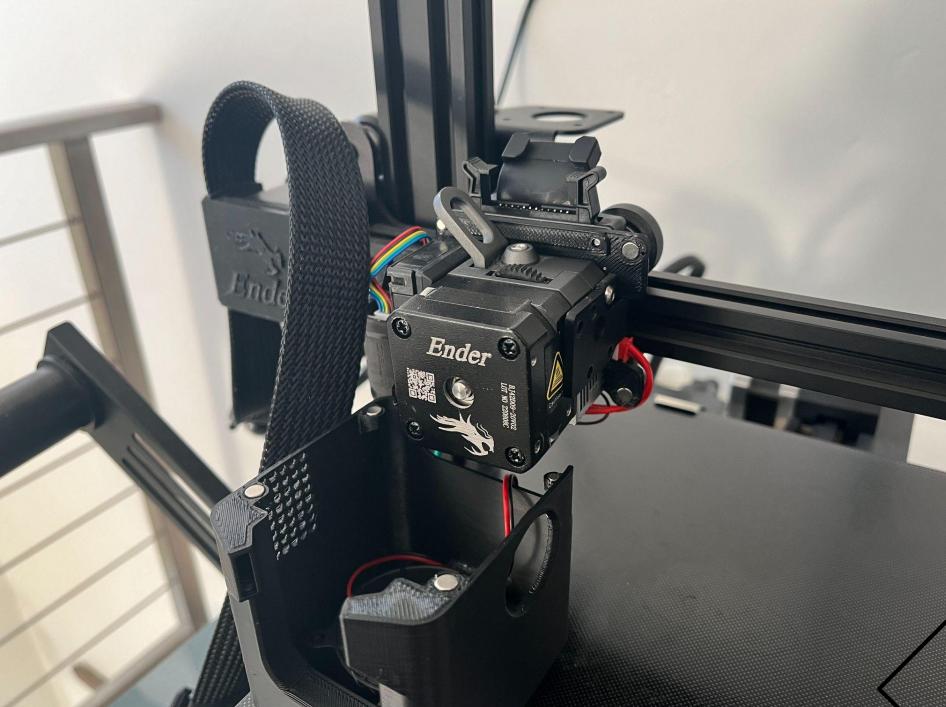
Using the wires with the connectors previously installed, crimp onto the fan wires. Be sure that under light force the wires don't pull out.



With some form of heat, shrink the heat shrink on the wires. Be careful to not get heat on the wires, as the insulation will burn (heat gun works great)

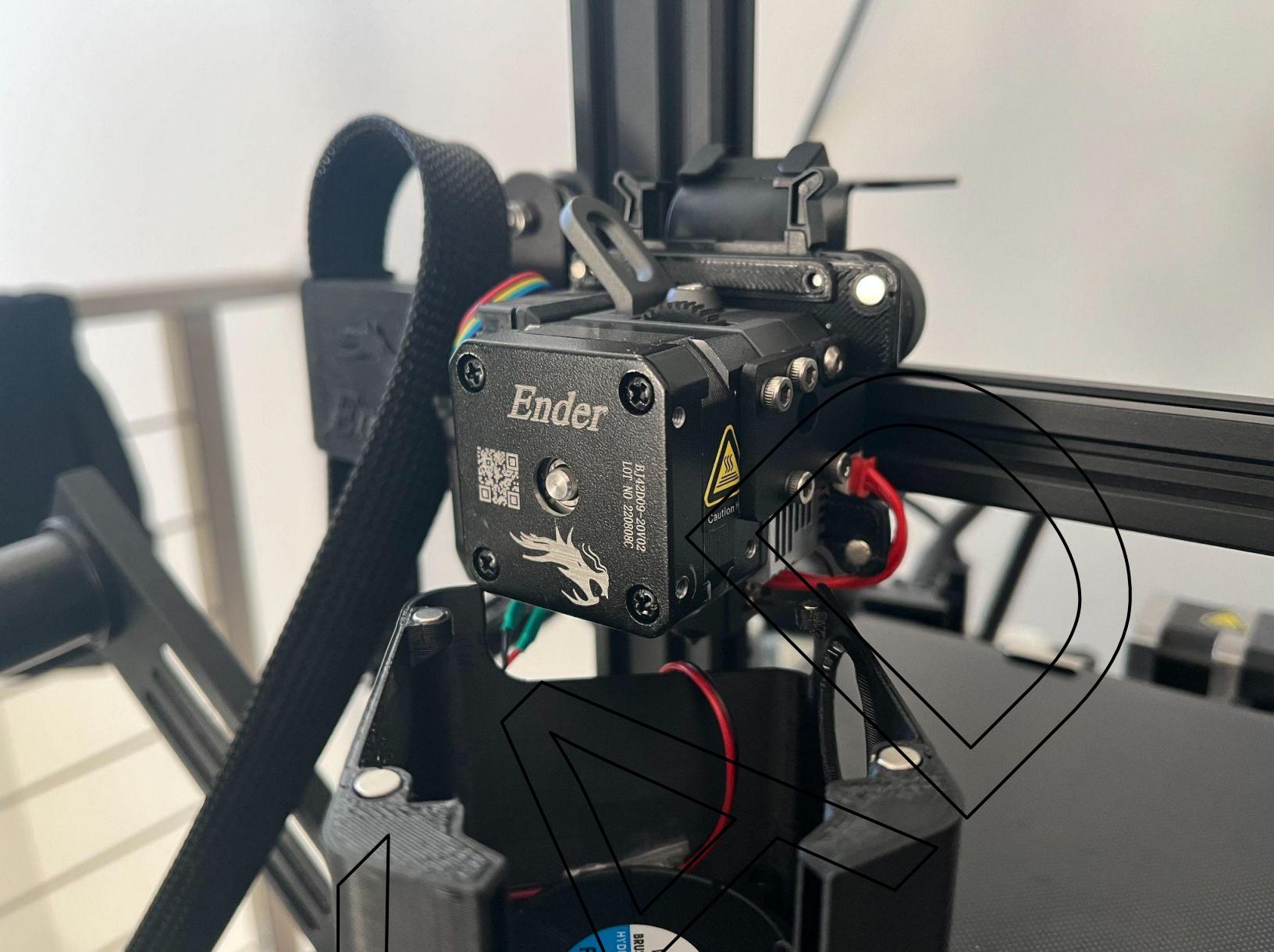


Insert ~~fan~~ cover on without pinching any wires. Be sure that the cooling block fan (fan that is still mounted on the print head) spins freely. If it doesn't use a knife or some sort of tool to make clearance for the fan to allow it to spin freely. Repeat until fan spins freely.



Set printhead on printer.

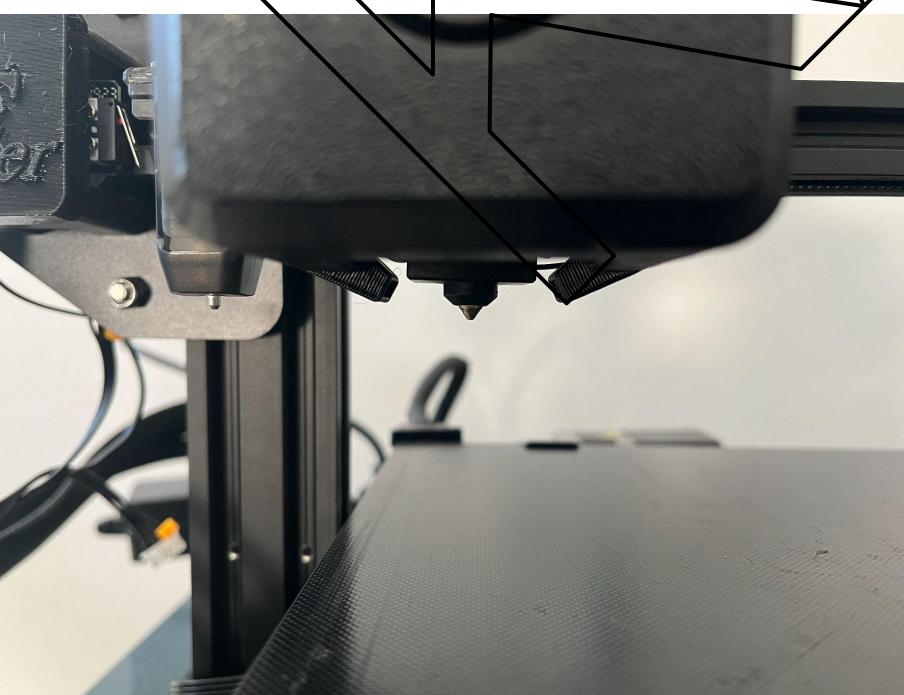
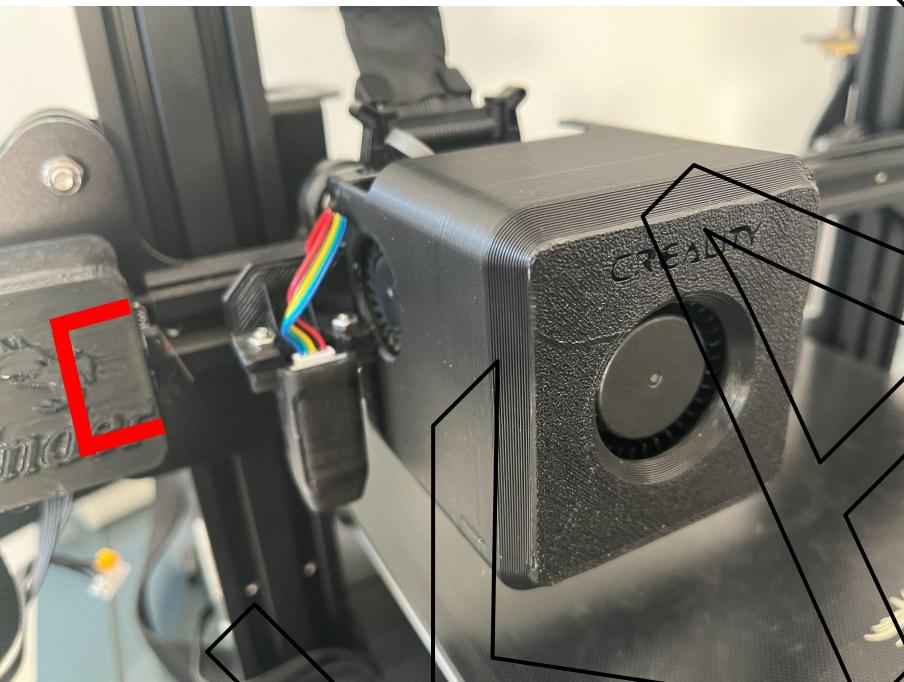




At this point this is what the print head should look like. The printhead is completely mounted the fan cover has been tested that the cooling block fan spins freely.

Install fan cover.
Make sure all
magnets are
touching (there is
eight total so four
sets)

Make sure that you
can move the print
head to where the
endstop switch
clicks. In this case
we had to cut some
material out of a
cover that held the
ribbon cord. If there
is no extra piece on
the X axis motor
cover no problems
should arise



Also check that the
two fan tips are
centered.



This is the extra hardware that you should have after finishing this kit, along with a potential butt connector

Set new probe offset:

X: -49

Y: 3

Set new Z offset by doing the paper method.