

Removing the V4 Hotend



This article will walk you through the removal and installation of the V4 hot end on the M3-SE and M3-ID 3D printer.

INTRODUCTION

In this article, we will cover the proper tools and procedure for removing your V4 Hotend. This may need to be done if your hot end is damaged, clogged or if you

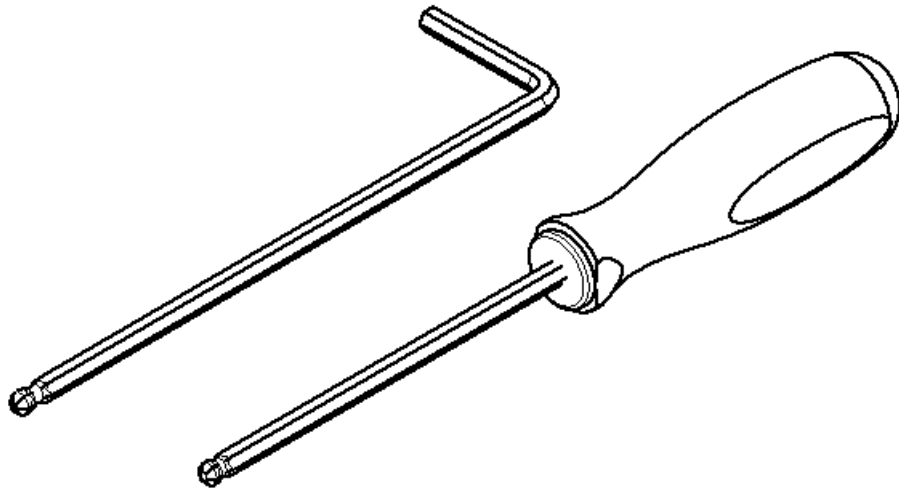
need to replace the nozzle.

Requirements:

- Time - 10 - 15 minutes
- Hardware - MakerGear M3-SE or M3-ID printer, 2.5 mm Hex key wrench or screwdriver.
- Software - OctoPrint for MakerGear.

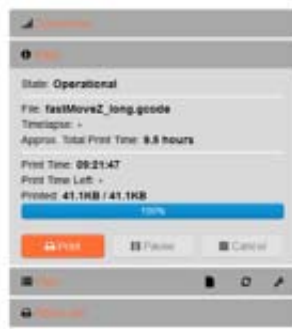
Tools needed

For the removal of the V4 hot end you will need a 2.5 mm Allen wrench or driver. These tools are included in the tool kit that came packaged in your M2.



1. Remove any filament in the hot end (if you do not have any filament loaded go to step 2)

- Log into OctoPrint
- Navigate to the Temperature Tab
- Heat your extruder to the operating temperature of the loaded filament



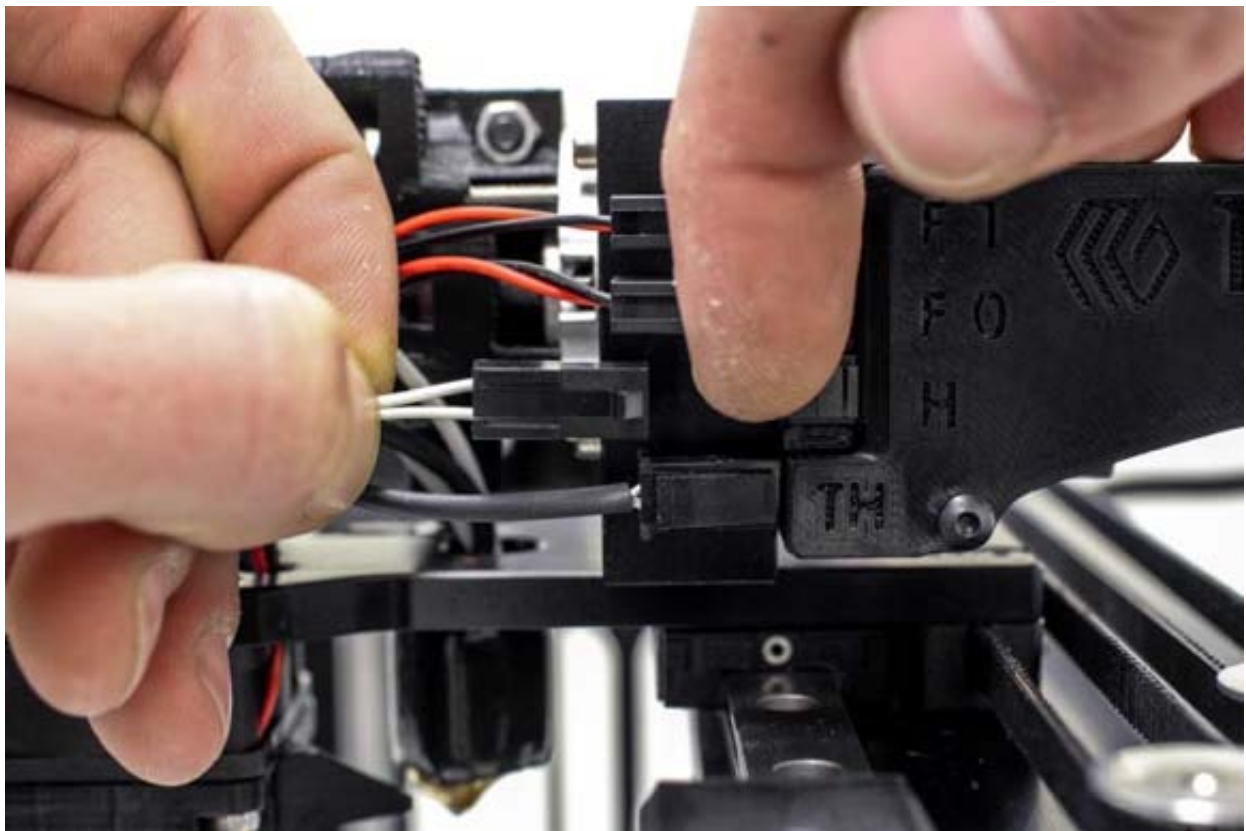
- Now navigate to the control tab.
- Retract 100 mm of filament.



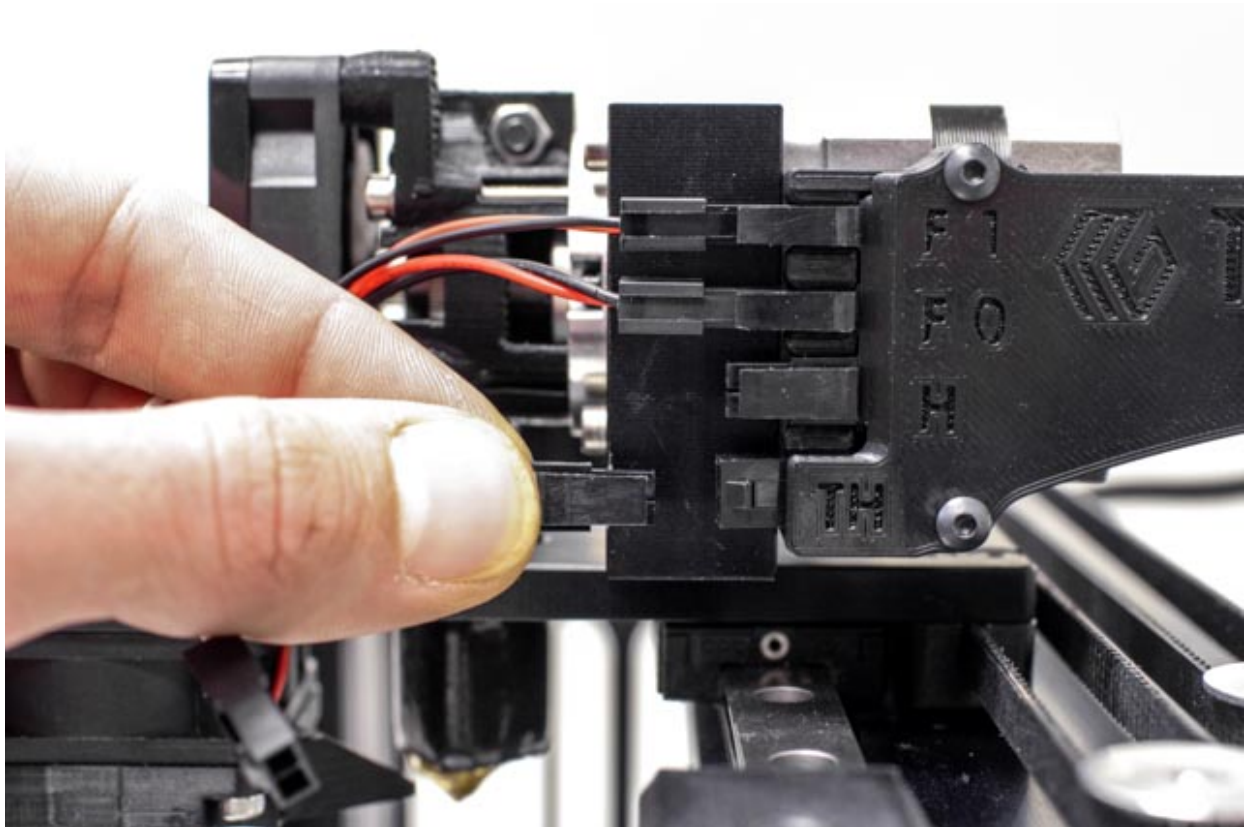
2. Once filament is removed, power down OctoPrint.
3. Disconnect 6 pin Molex power connect from the rear of the printer.



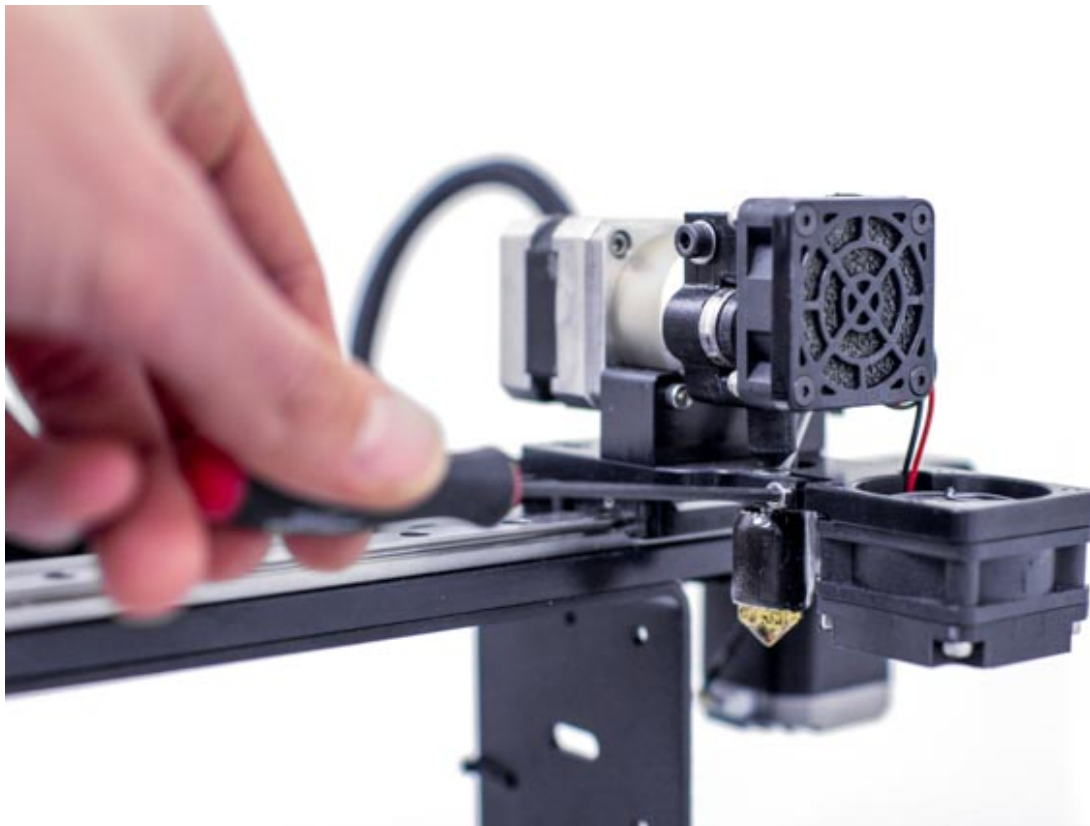
4. Disconnect heater cartridge connector.



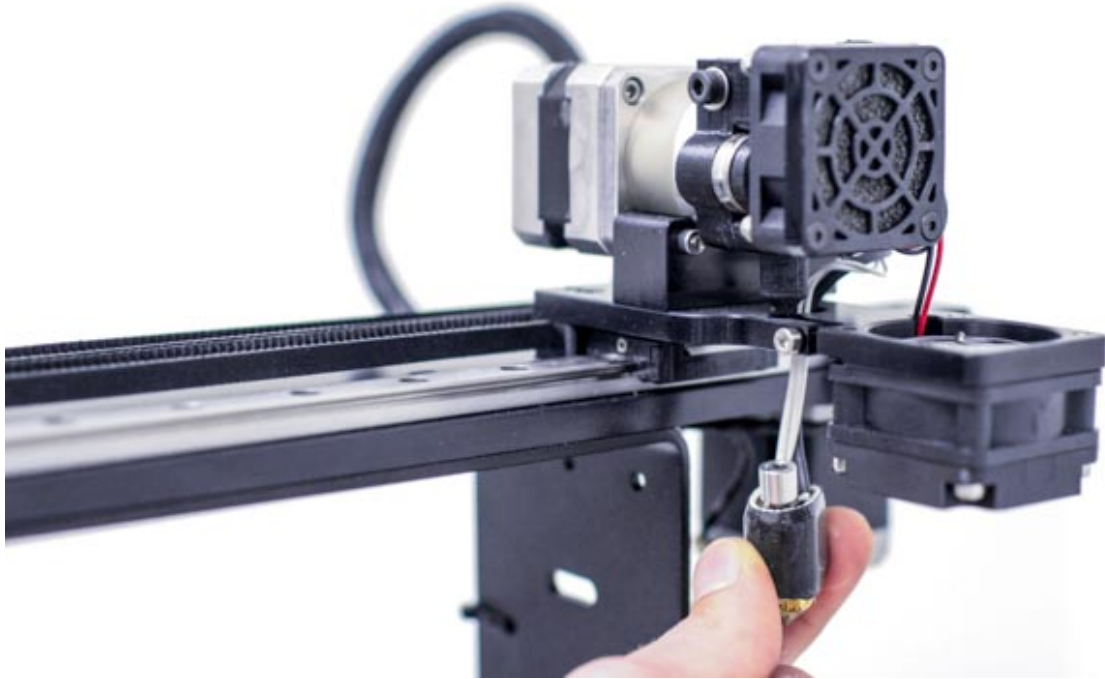
5. Disconnect thermistor connector.



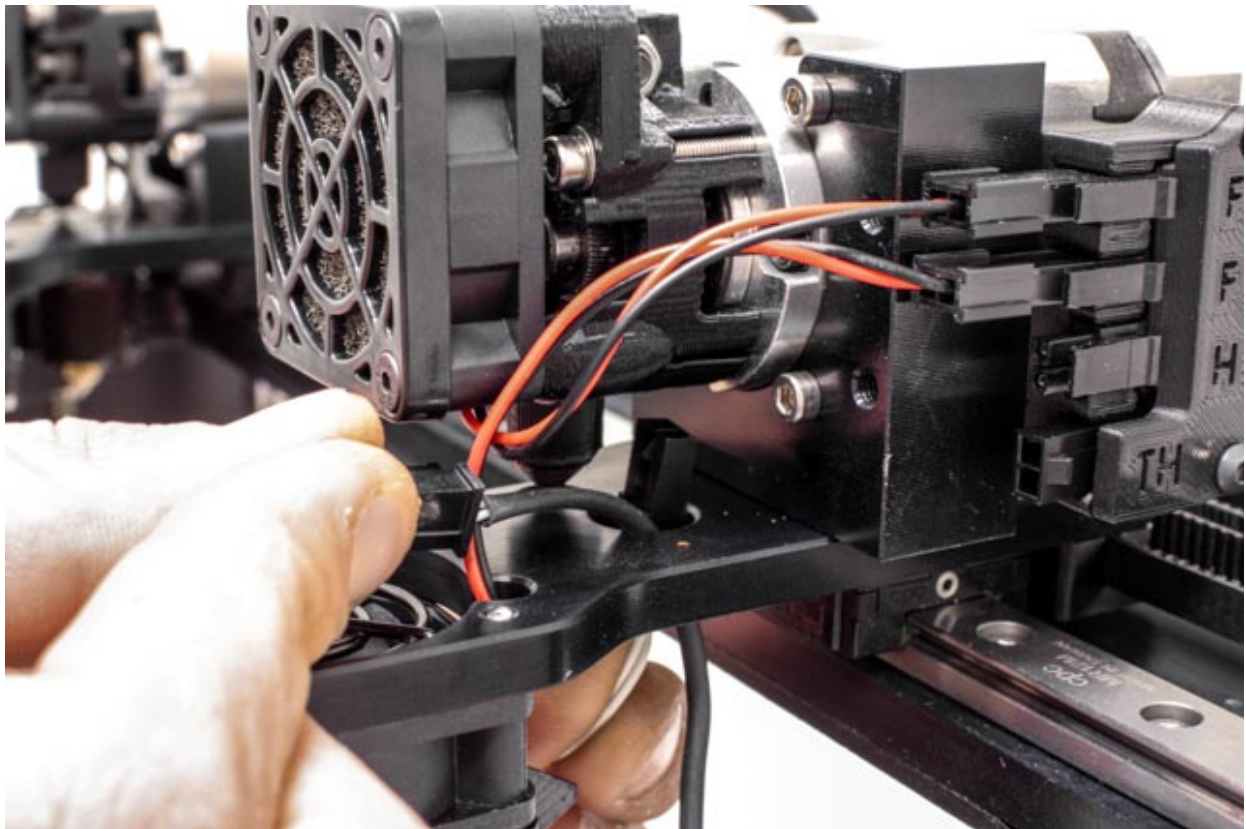
6. Loosen hot end camp screw.



7. Lower hot end from the V4 mounting plate.



8. Push Connectors through hole in the M3 V4 mounting plate one after the other.



9. You have successfully removed the V4 hot end.

CAN'T FIND WHAT YOU'RE LOOKING FOR?

As a customer of MakerGear, you can always [get direct assistance from our Technical Support team](#).



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✓ Yes

✗ No

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