Creality Ender 3 Pro Extruder Replacement

This guide's intention is to solve problems...

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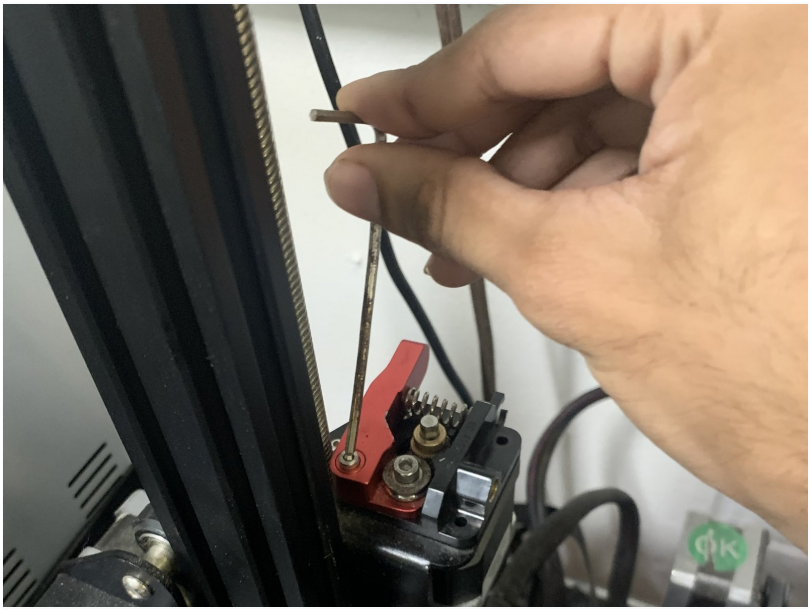


INTRODUCTION

This guide's intention is to solve problems like your filament grinding in your Creality Ender 3 Pro. This is often caused by the extruder arm applying too much pressure (or too little) to the filament. To complete this guide, you should have a replacement extruder ready for your extruder mechanism, which you can purchase online.

All the tools you need are a 2.5 mm hex key, a 8 mm wrench, and around 10-15 minutes of your time!

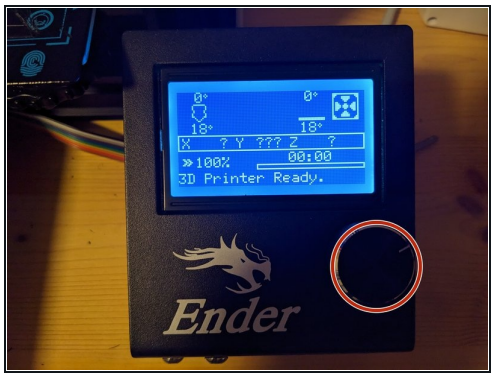
TOOLS:

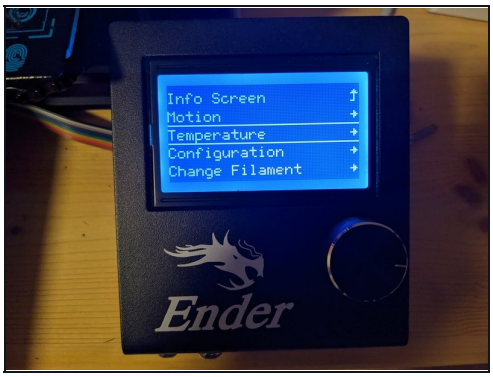
8mm wrench (1)
Alternatively, some pliers will also work.
2mm Hex Key (1)
2.5 mm Hex Key (1)

PARTS:

Creality Ender 3 Pro Extruder Replacement (1)

Step 1 — Setting the nozzle temperature

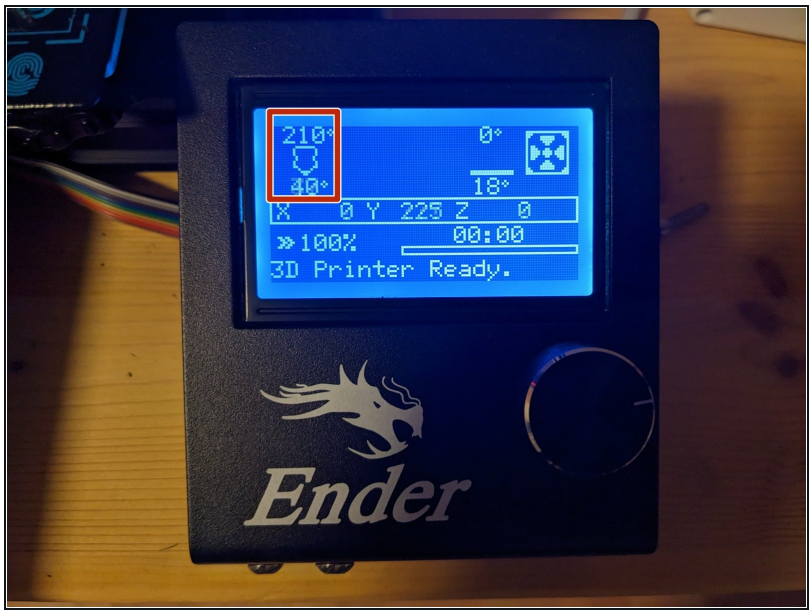




- Press the knob to enter the marlin LCD menu and turn it to navigate between the options.
  - Navigate to **Temperature** > **Nozzle**.
- Adjust the nozzle temperature by turning the knob and confirm by pressing it.

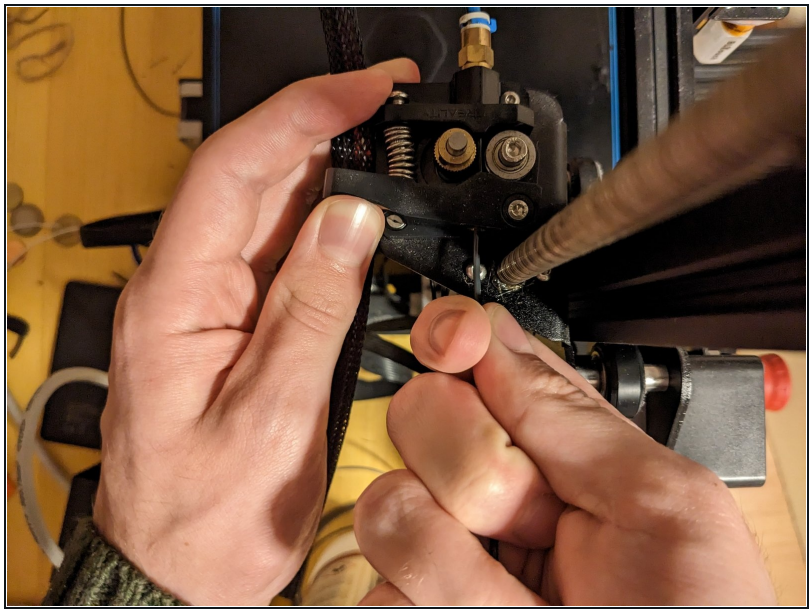
  Use whatever temperature you would be printing with, minus about 10°C. For both PLA and PETG 210°C usually works fine.

Step 2 — Wait for the hotend to heat up



- Wait until the current temperature (bottom) matches the target temperature (top).

Step 3 — Pull the filament



- Press down on the extruder lever arm and pull out the loaded filament.

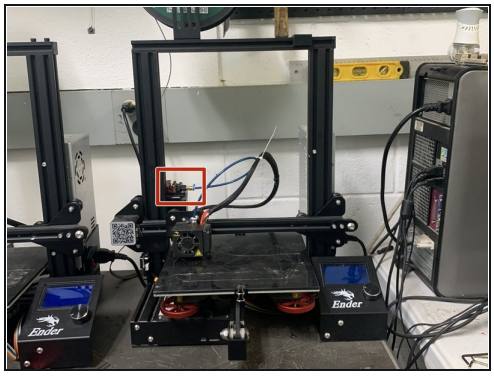
ⓘ Fully pressing down the lever arm might lead to the filament snagging when you try to pull it out. Just pressing it a bit will usually suffice.

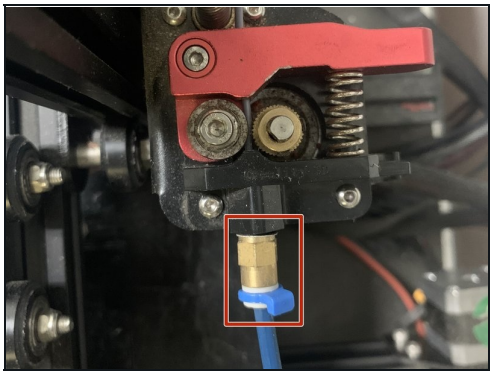
Step 4 — Set cooldown

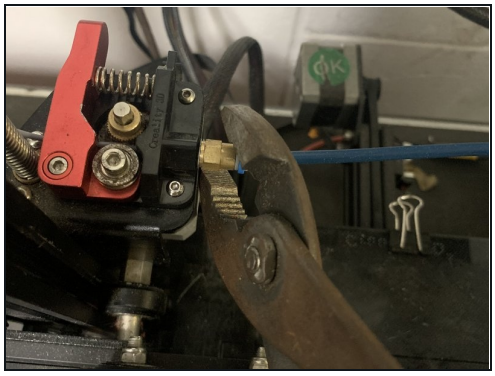
- Navigate to **Temperature** and press **Cooldown**.

ⓘ If you do not have the **Cooldown**-option available, you can just repeat step one and set the temperature to 0°C instead.

Step 5 — Extruder

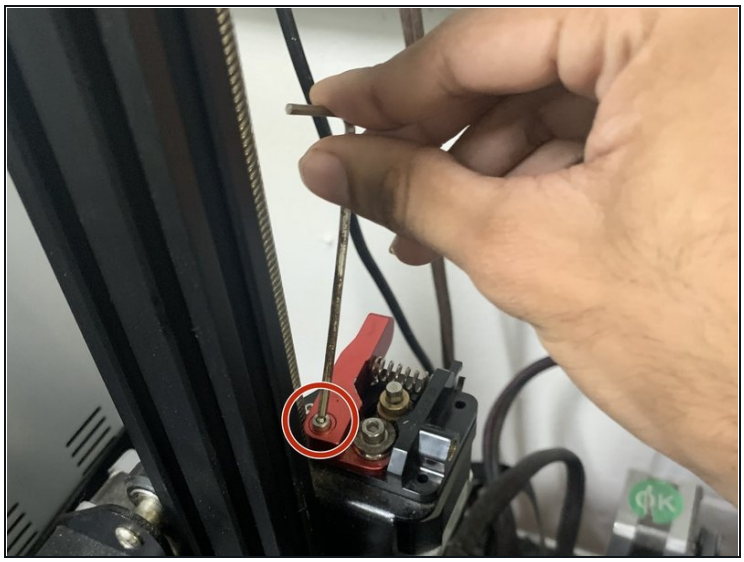


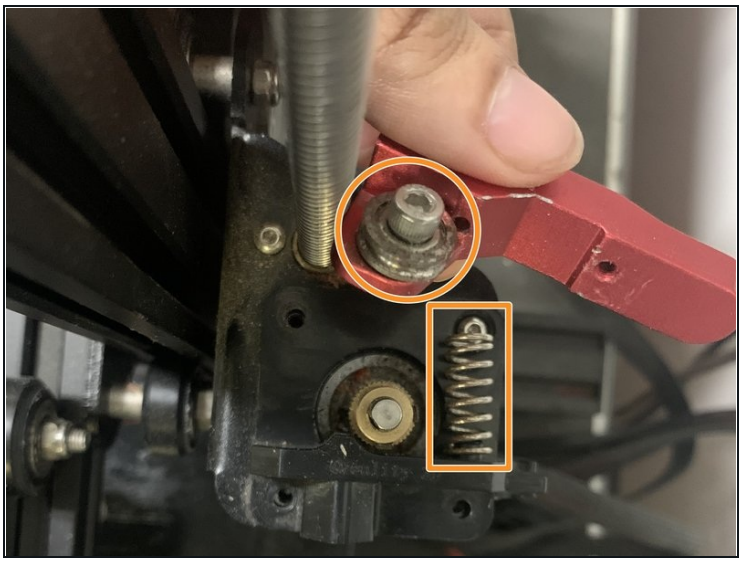




- Use a 8 mm wrench or some pliers to unscrew the PTFE tube from the extruder mechanism.

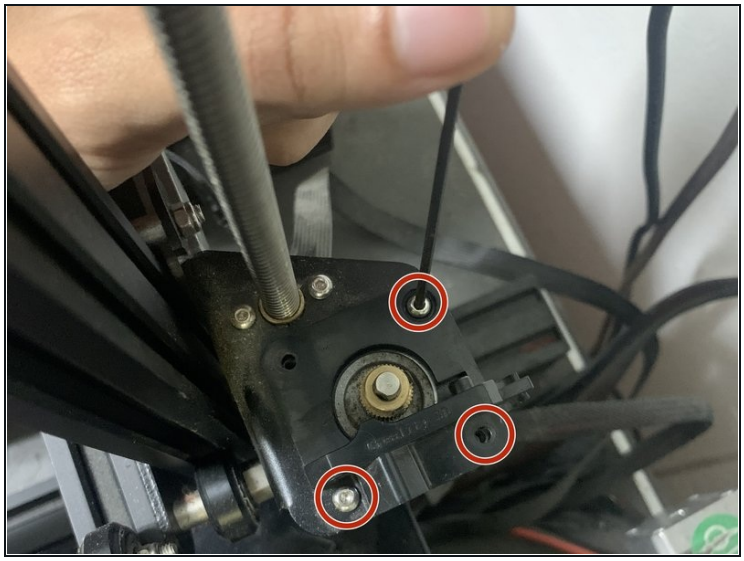
Step 6

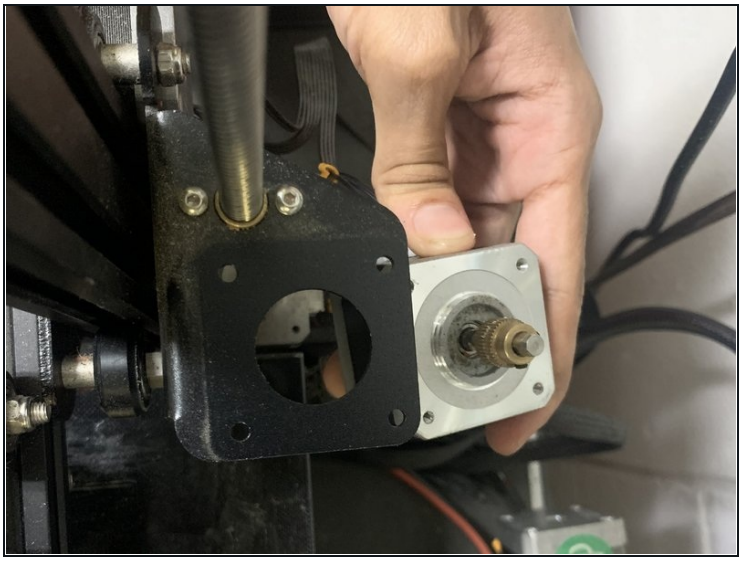




- Unscrew the single M3x18 socket head screw with a 2.5 mm hex key.
- Remove the extruder arm and spring.

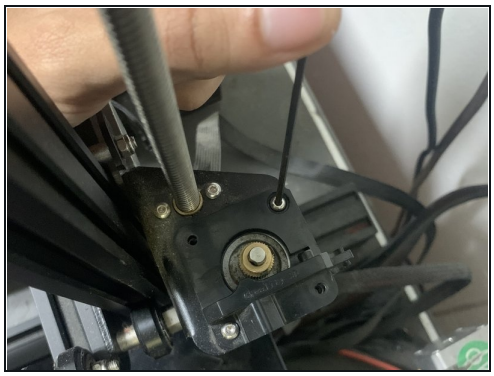
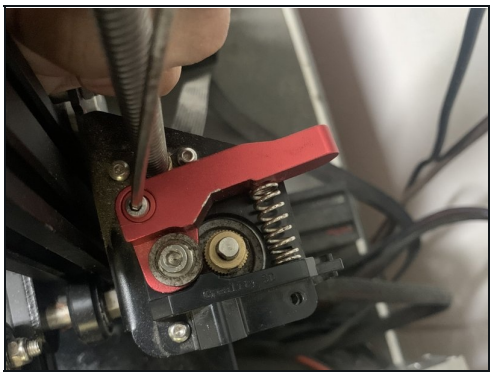
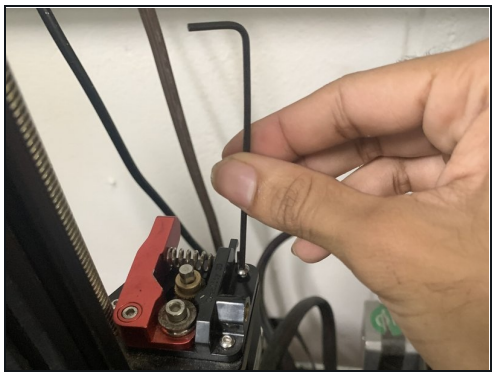
Step 7





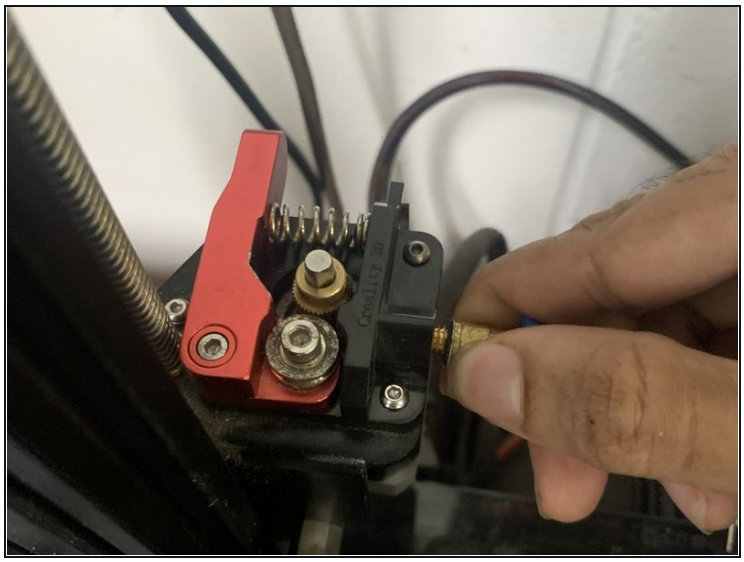
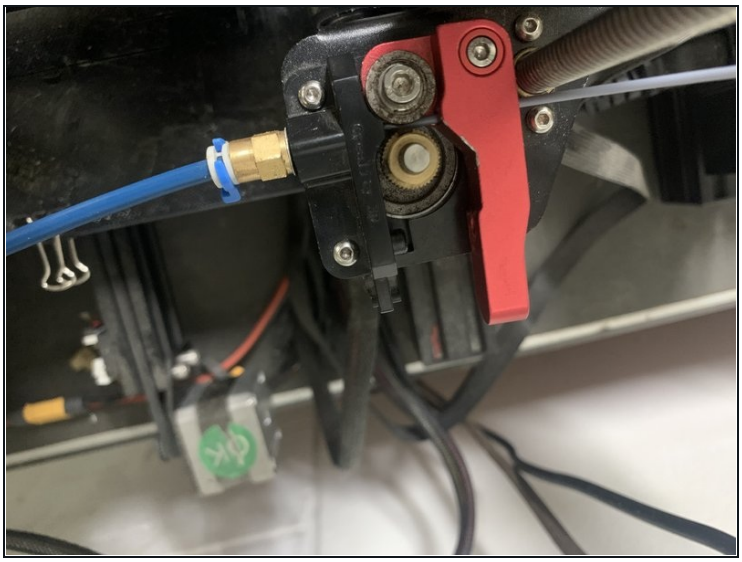
- Use a 2 mm hex key to remove the three remaining M3x10 socket head screws while making sure to not let the motor drop.
- Remove the plastic bracket and the motor.

Step 8

- Install the replacement extruder and screw it to the motor, following all the previous steps backwards.

Step 9

- Reattach the PTFE tube to the extruder and insert some filaments.

Don't forget to recalibrate your E steps!