

Tighten a leaking nozzle

FELIX Pro 1

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Revision 0

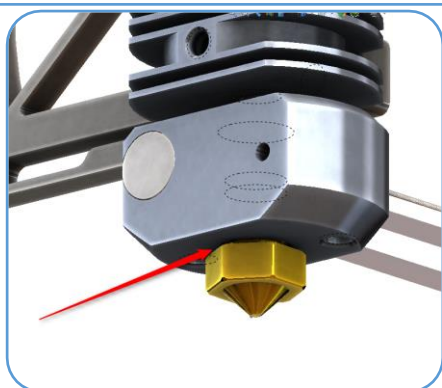
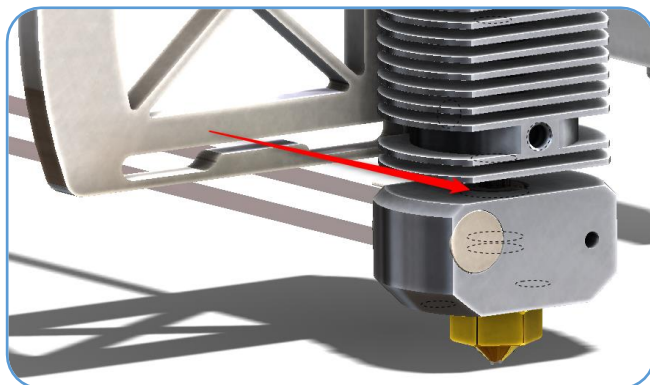


1 Introduction

This document describes how to tighten a nozzle when it is leaking.

1.1 Description

Sometimes molten plastic is squeezing out of the seam between heat brake and heated body or between nozzle and heated body.



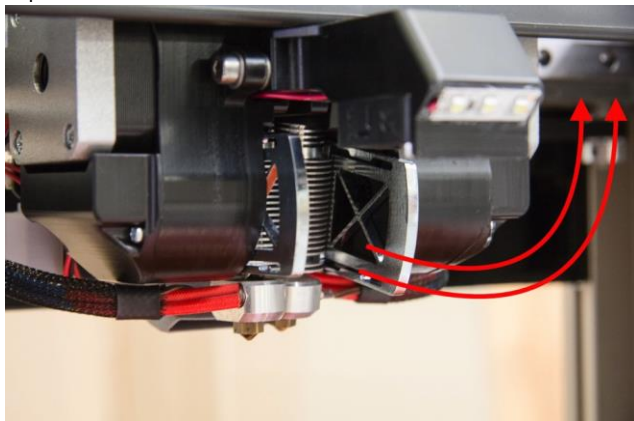
The leaked plastic can drip onto the printed object. Often, it is discolored because it has been heated for a long time.

The leakage is usually caused because the nozzle is not being tightened well enough. That can also happen over time if the print head has warmed up and cooled down for a lot of times.

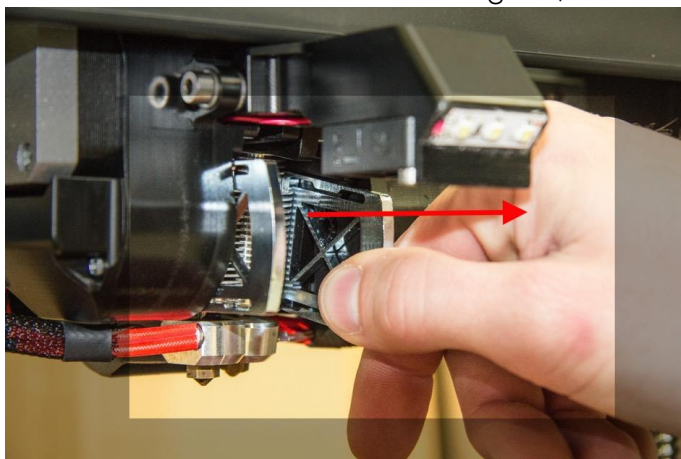
1.2 Fixing it

- Take out the filament from both extruders.
- Wait until the extruder are cooled down to less than 50 °C.

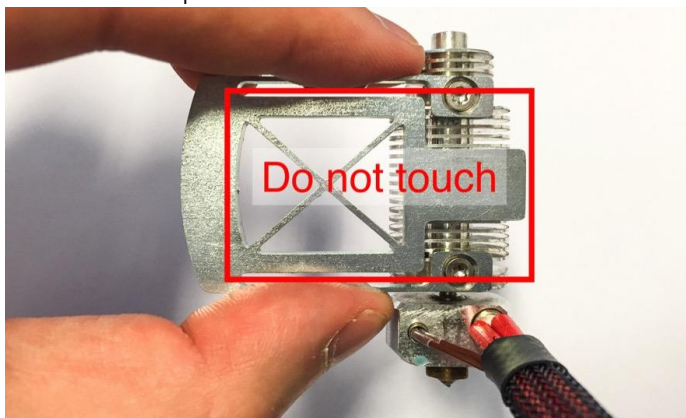
- Open the door that is located in front of the hot-ends.



- Take out the leaking hot end, leaving the connector attached:
Grab the hot-end by the handle and pull the hot-end straight backwards out of the machine.
The hot-ends are connected with magnets; a little force may be needed to remove the hot-ends.

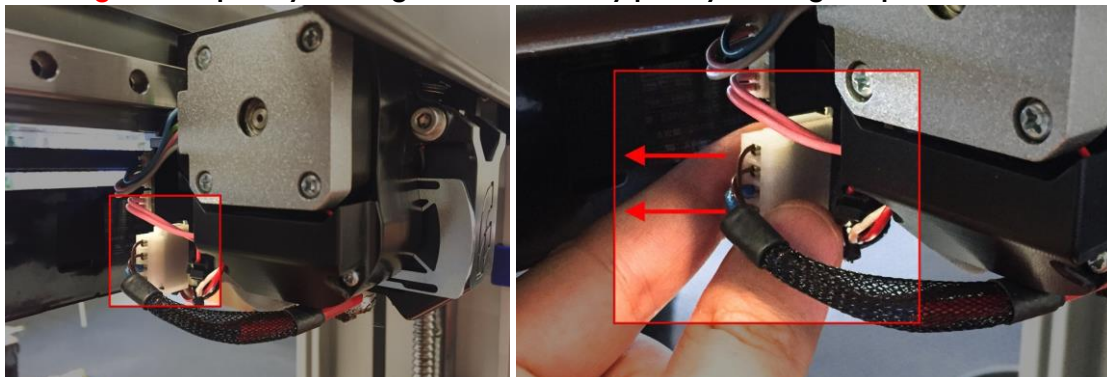


Warning: only hold the hot-end by the outside of the metal bracket. Do not put pressure on the inside mechanism. This part is calibrated at the FELIXprinters factory - any changes in the calibration will influence the print results.



- Set the hot end to a temperature of 180 degrees C. **Watch out not to burn yourself!**

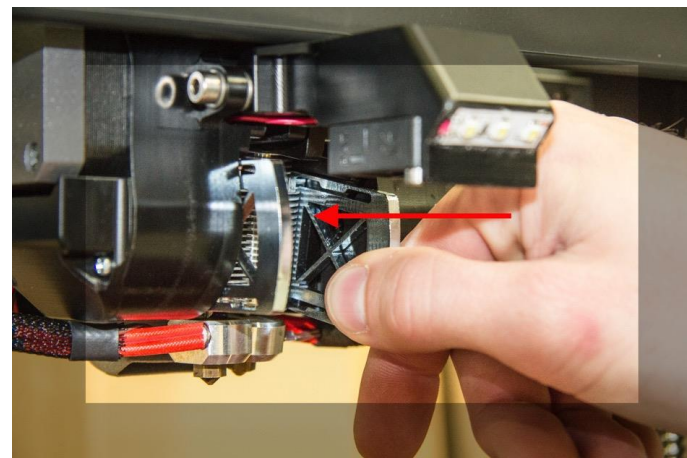
- Turn off the printer and disconnect the hot end so you can handle it more easily.
Warning: do not pull by holding the cables. Only pull by holding the plastic connector.



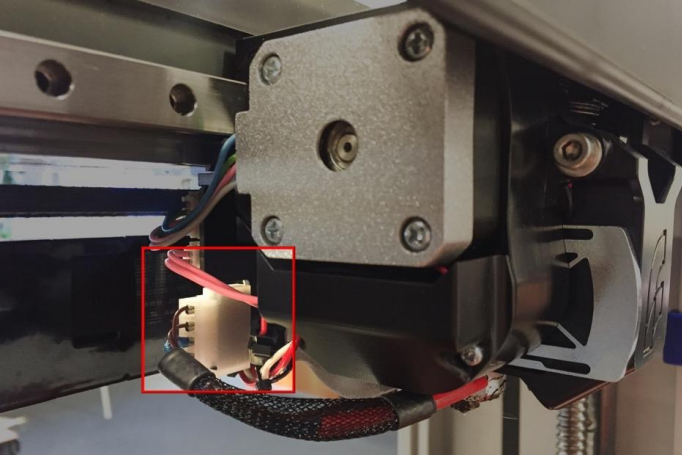
- Carefully place an open wrench (12 mm) on the aluminum body. Tighten the nozzle with a closed wrench (7 mm). Again, be **careful not to burn yourself!**
Because the head is hot, any plastic between nozzle and aluminum body can be squeezed out.



- Put back in the hot end and reconnect it. Push it in firmly so it touches the magnets inside of the print head.



- Reconnect the cable that connects the hot-end to the mainboard.



If you are unable to continue or have any questions, you can check at the support section of our website or you can contact us directly:

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Kind regards,

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