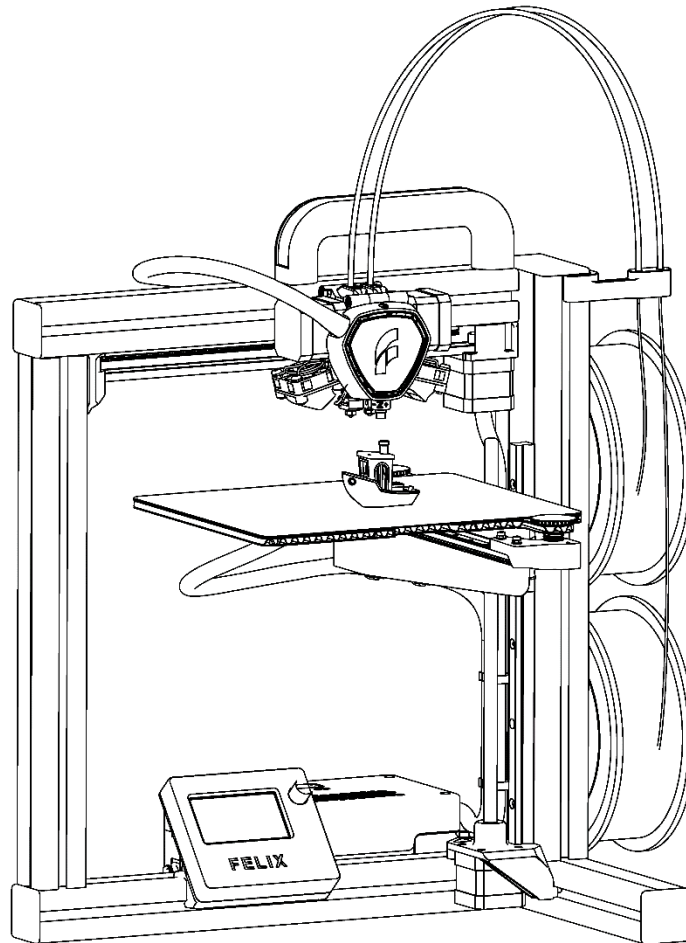


How To - Change Hot-end FELIX Tec 4

6 September 2017

Revision 1



1 Introduction

This manual will describe how to change hot-ends on the FELIX Tec 4.

1.1 Recommended Tools

1. 3mm Hexagon Key
2. 1,5mm Hexagon Key
3. Tweezer

2 Precaution

Make sure the printer is turned off and the power plug removed.

3 Change Hot-end

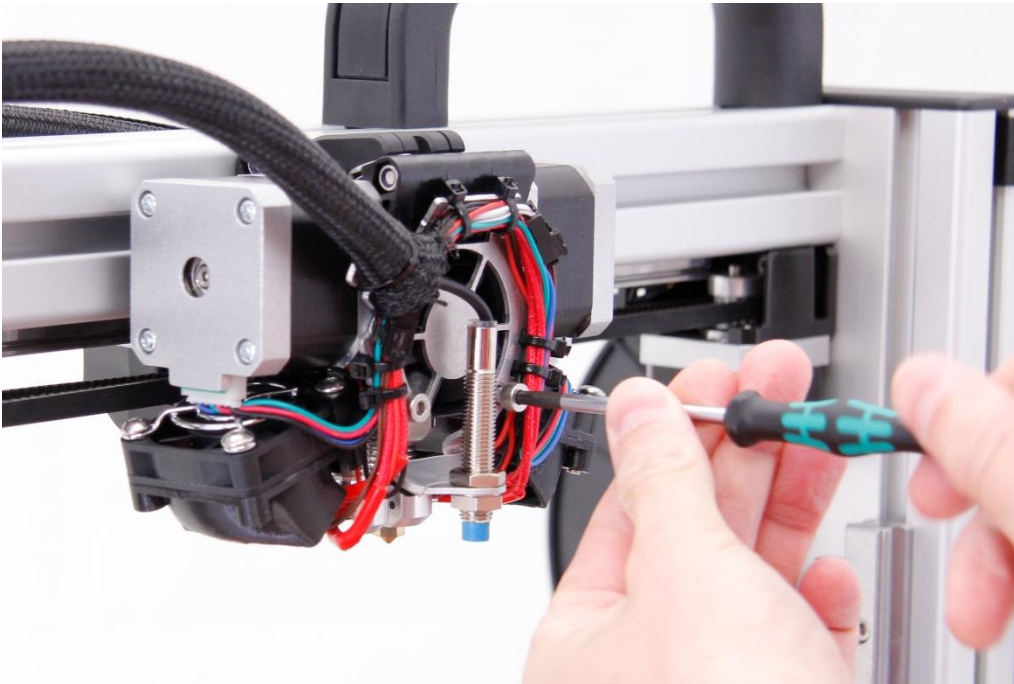
3.1 Removal

Start with the following steps:

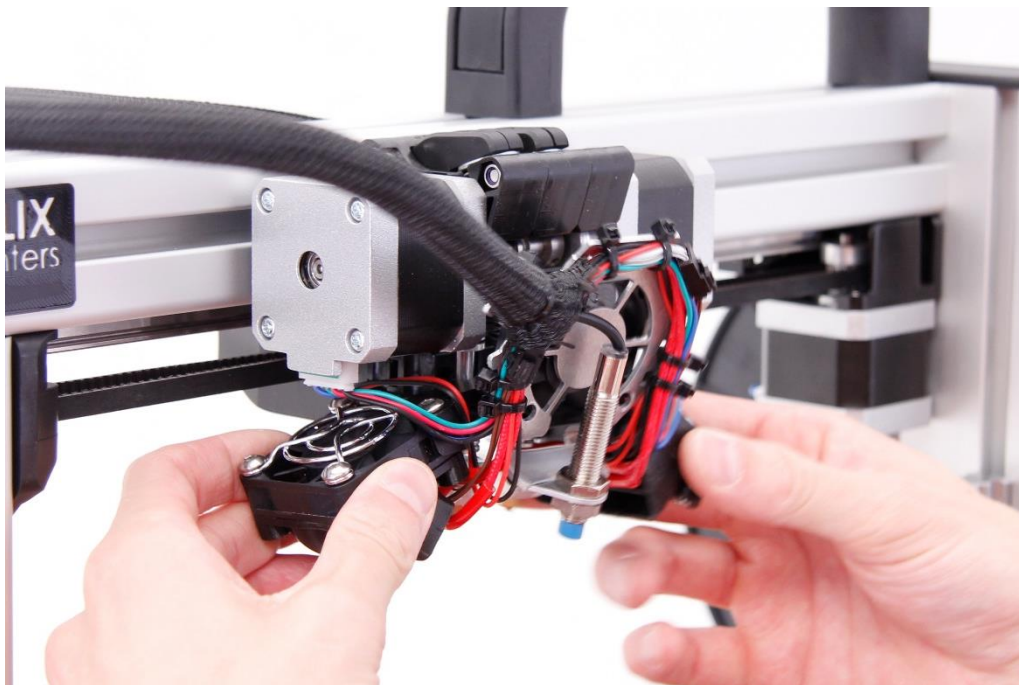
1. Remove the fan cover.



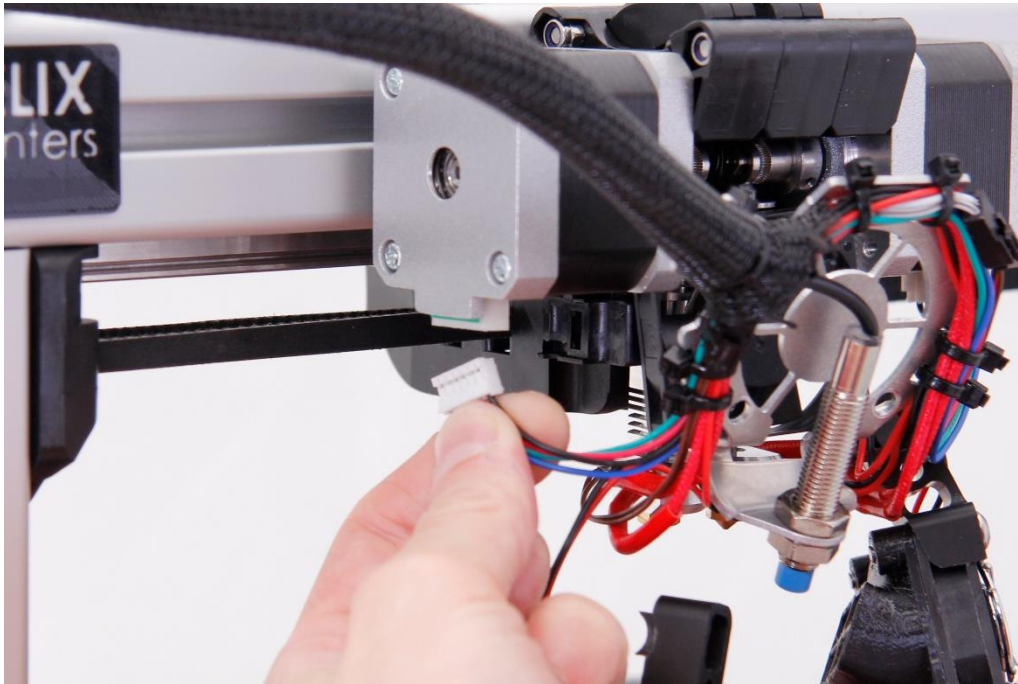
2. Remove both screws holding the sensor bracket using a 3mm hexagon key.



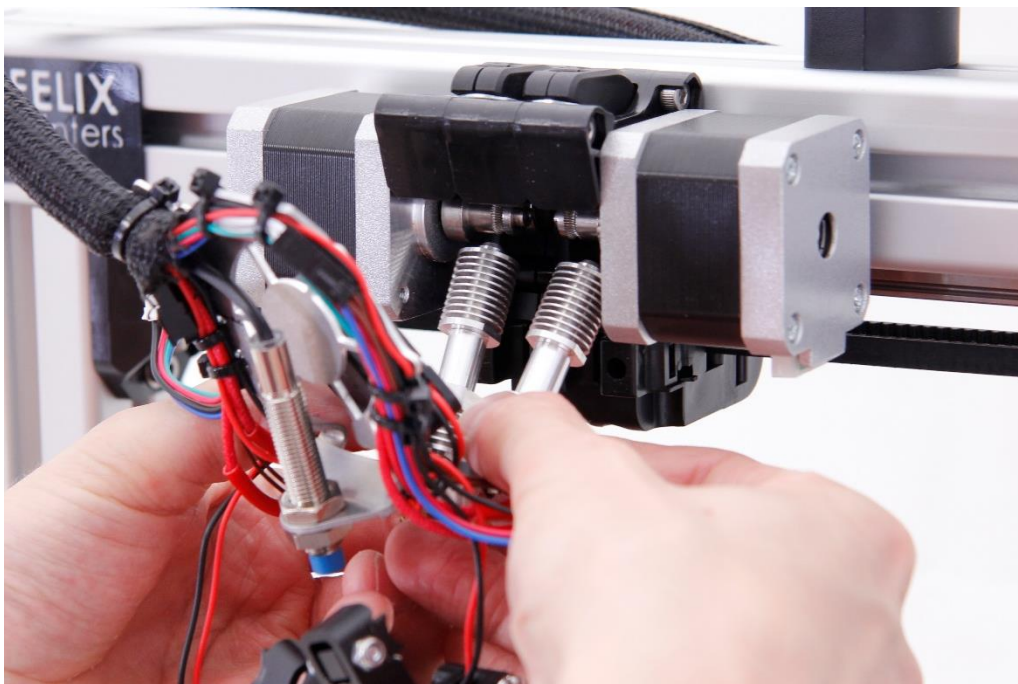
3. Remove both fans sideways and rest them on the build platform.



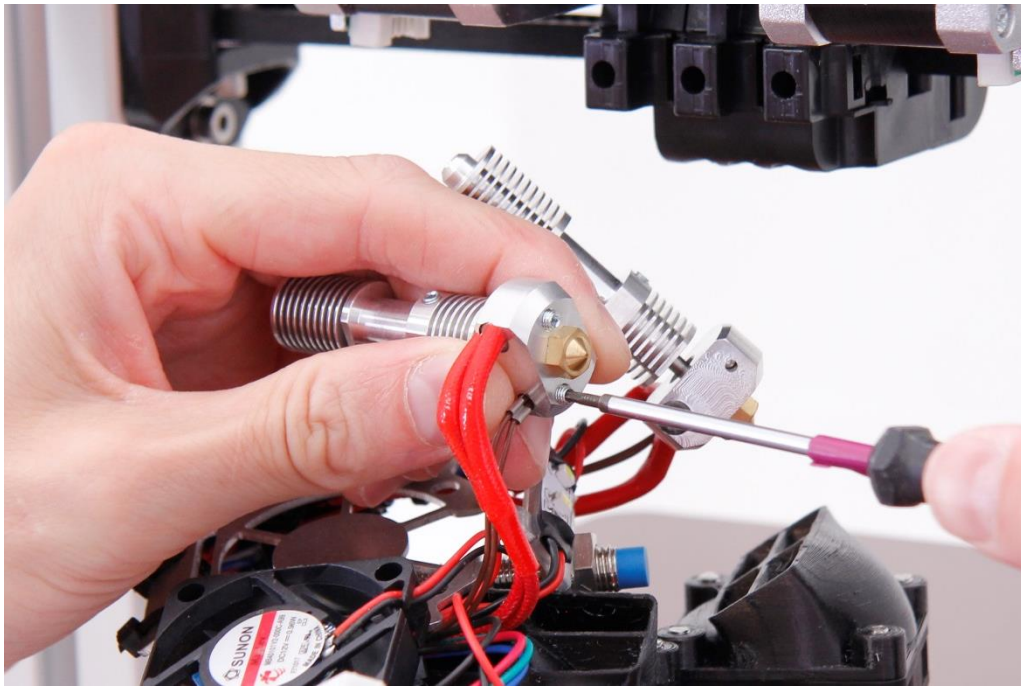
4. Unplug both extruder motor connectors.



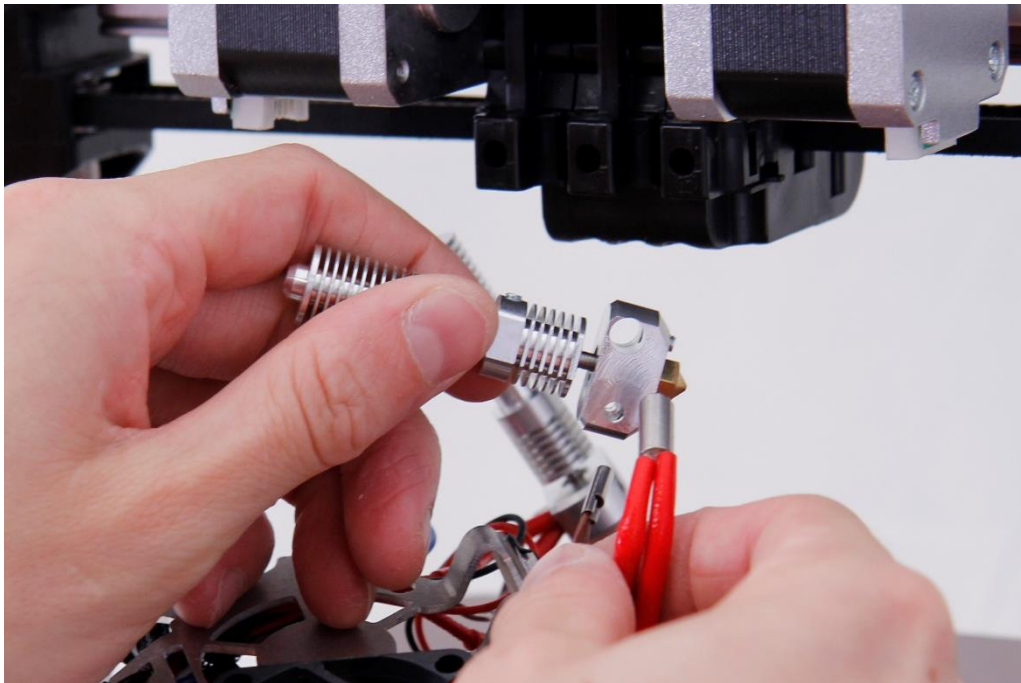
5. Remove both hot-ends by holding the bottom and pulling it forwards. Do avoid broken wires is best to rest the component on the build platform without tension on the cables.



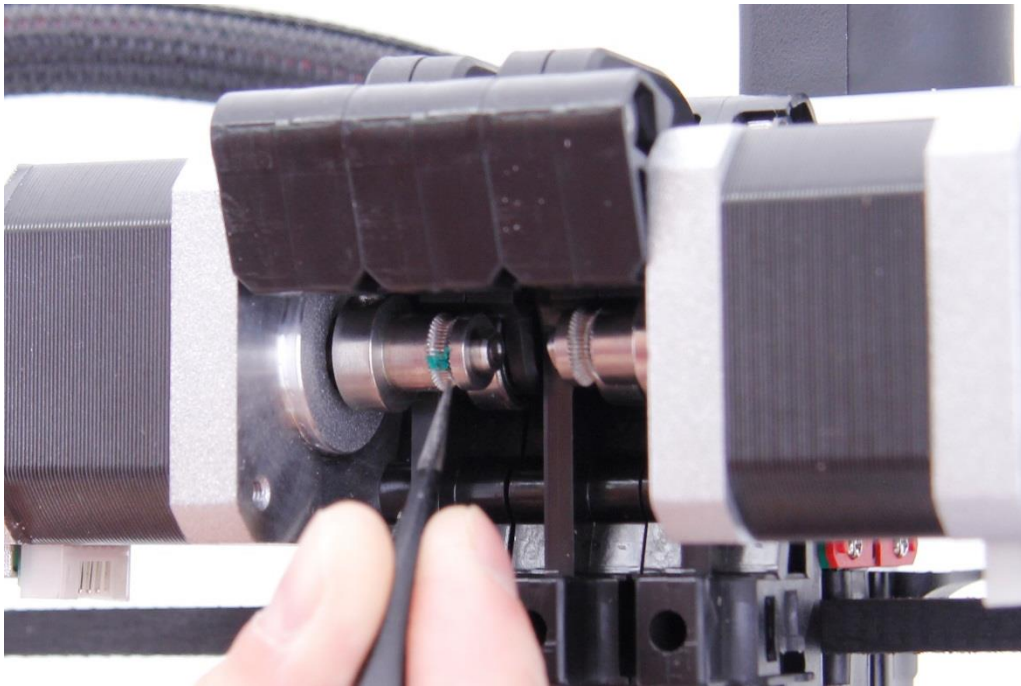
6. Untighten the two set screws holding the heater (big component) and sensor (small component) in place using a 1,5mm hexagon key.



7. Remove the heater and sensor from the hot-end.



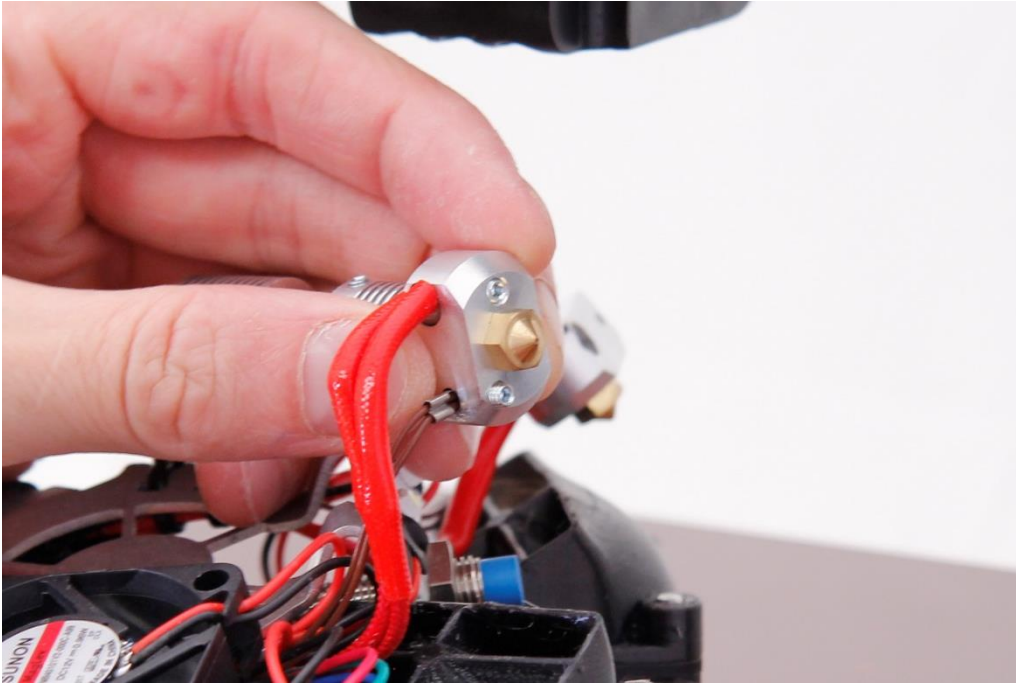
- Optional - This might be a good opportunity to clean out the grooves of the extruder drive wheel. Scratch out the filament residue using a tweezer or pin needle. This will prevent slipping filament during printing.



3.2 Installation

Start with the following steps:

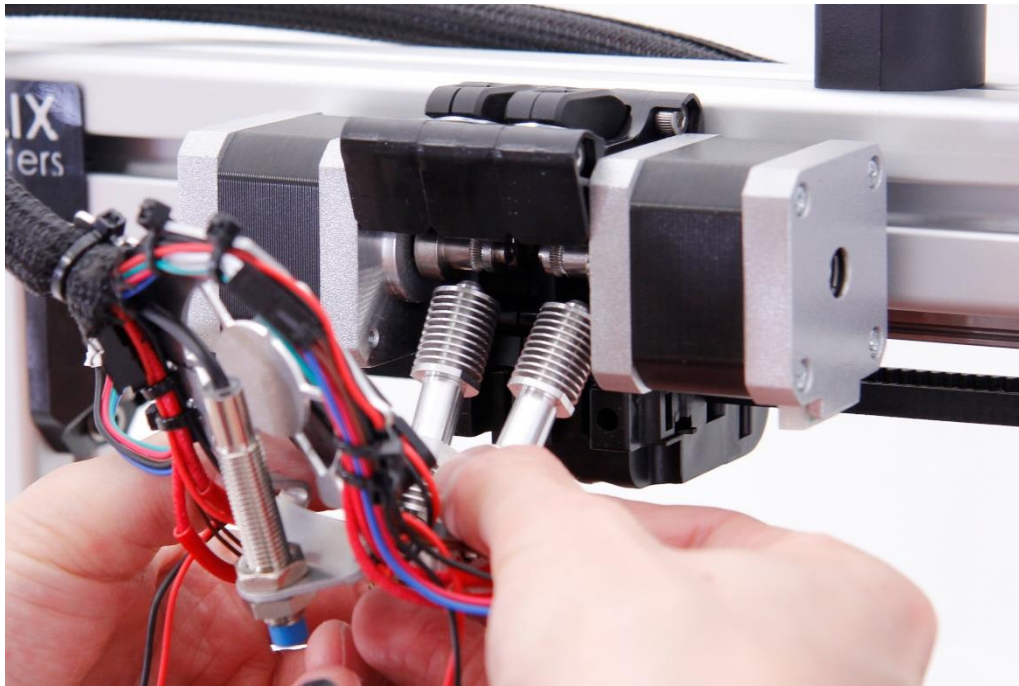
1. Position the heater and sensor in the holes of the hot-end.



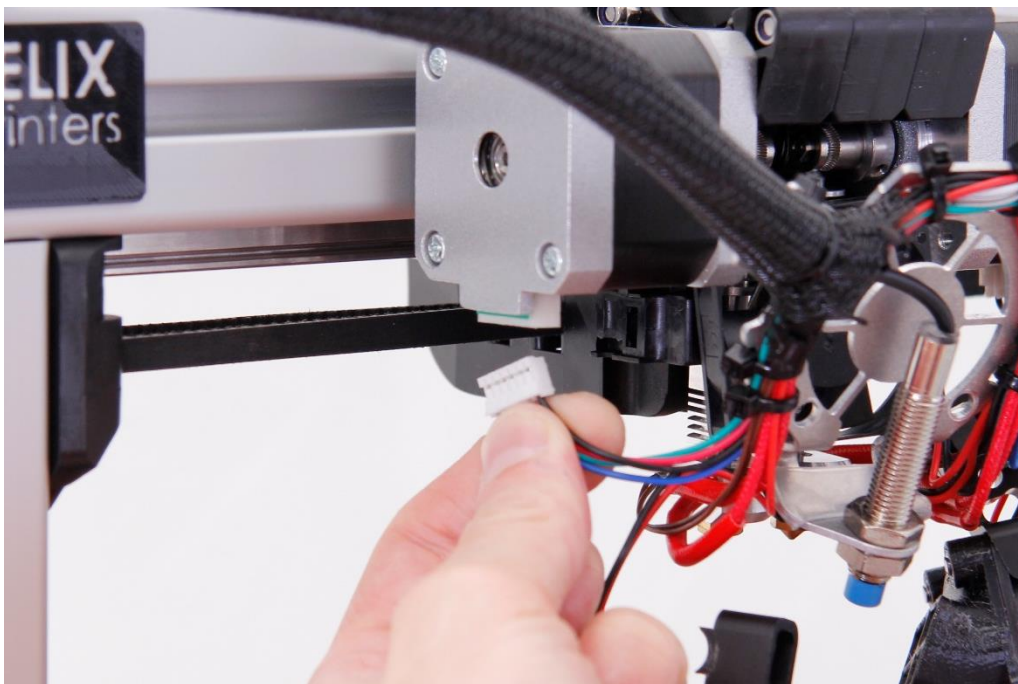
2. Tighten the two set screws using a 1,5mm hexagon key to fixate both the heater and sensor. Make sure the heater is not extending beyond the end of the hole.



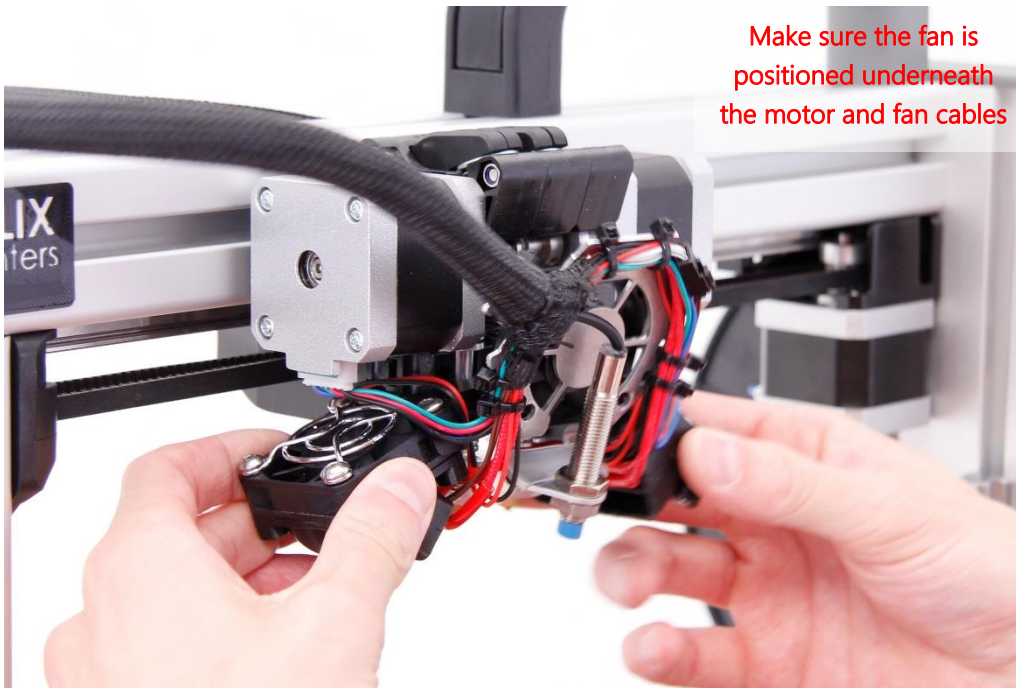
3. Hold the bottom of the hot-ends and place the hot-ends back in the print head. Load a piece of filament manually into the top of the print head to keep the hot-ends firmly in place.



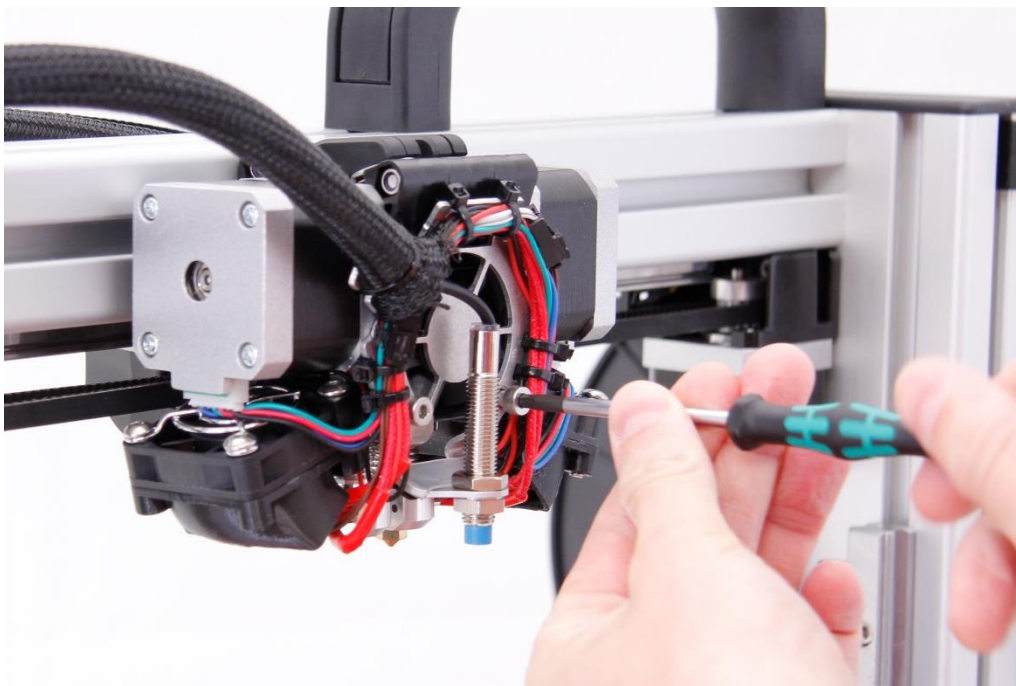
4. Plug in both extruder motor connectors.



- Place back both fans sideways and over the hot-end. Place back the two screws to keep the sensor bracket and fans firmly in place.



- both screws holding the sensor bracket using a 3mm hexagon key.



7. Place back the fan cover.



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,

FELIXprinters