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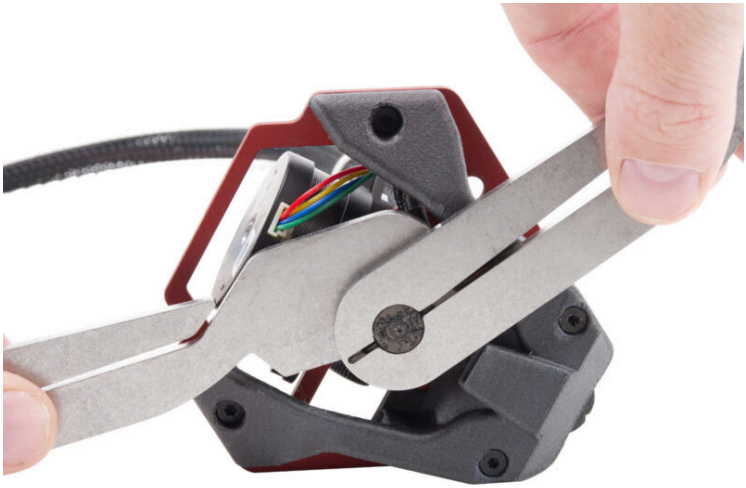
How to replace a high-temperature nozzle (HT90)



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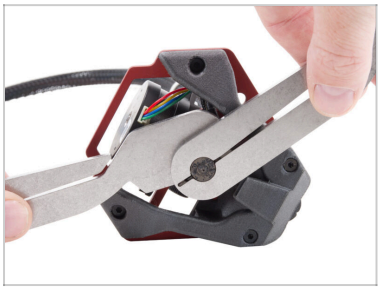
STEP 1 Introduction



- This guide will walk you through **replacing the high-temperature nozzle** on the **Prusa Pro HT90** using the **High-temperature nozzle exchange tool**.

  ⓘ This guide expands on the Nozzle replacement (HT90) and covers situations where the High-temperature nozzle cannot be loosened by hand due to thermal expansion from high printing temperatures.

Make sure your nozzle and heater block are clean before you begin this process.

- For detailed information, please refer to Regular printer maintenance (HT90).

ⓘ For easier access, we recommend performing the nozzle replacement with the print head removed from the printer. The instructions in this guide follow this recommended approach.

- For instructions on how to remove the print head, please refer to Changing the print head.

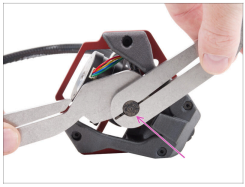
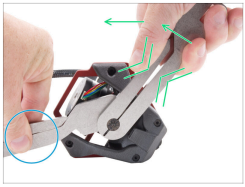
⚠ WARNING: The **print head must be COOLED DOWN** before proceeding with these instructions.

STEP 2 Tools necessary for this guide

- **For the following steps, please prepare:**
- High-temperature nozzle exchange tool (2x)

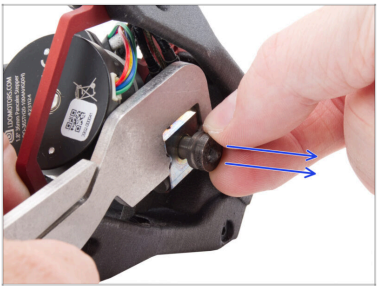
⚠ **Do not attempt to pull apart or bend the arms of the High-temperature nozzle exchange tool.** Forcing the tool open may cause it to crack or break, making it unusable.

STEP 3 Releasing the nozzle

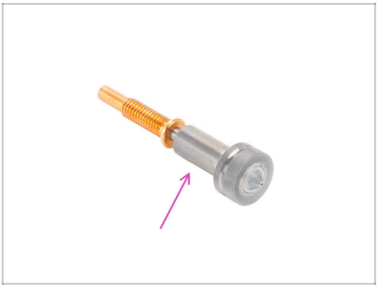
- Place the High-temperature nozzle exchange tool onto the clean heater block of the print head.
  - The notches on the tool must align with and fit into the grooves on the heater block.
- Position the tool so it **doesn't interfere with the fan shroud**.
- Take the second High-temperature nozzle exchange tool and attach its circular jaws onto the clean nozzle.
- Hold the first tool, which is holding the heater block, firmly.
- Loosen the nozzle by **gripping the arms of the circular jaws** on the second tool and turning it counterclockwise.

STEP 4 Removing the nozzle



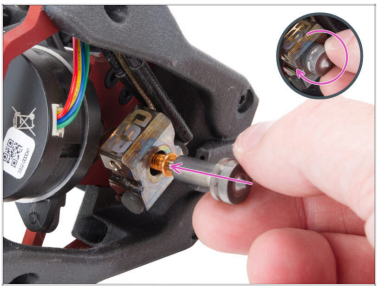
- Once the nozzle is loosened, you can unscrew it completely from the heater block using your fingers.

STEP 5 New High-temperature nozzle: parts preparation



- **For the following steps, please prepare:**
- High-temperature nozzle (1x)

STEP 6 Installing the new nozzle



- Insert the high-temperature nozzle into the heater block and finger-tighten it **firmly**.
- Now you can install the tool head back on the printer. For detailed instructions on this process, please refer to Changing the print head.

⚠ **Do not use the High-temperature nozzle exchange tool for tightening the nozzle**, as this may lead to overtightening and potential damage to the nozzle.

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