



1. Introduction

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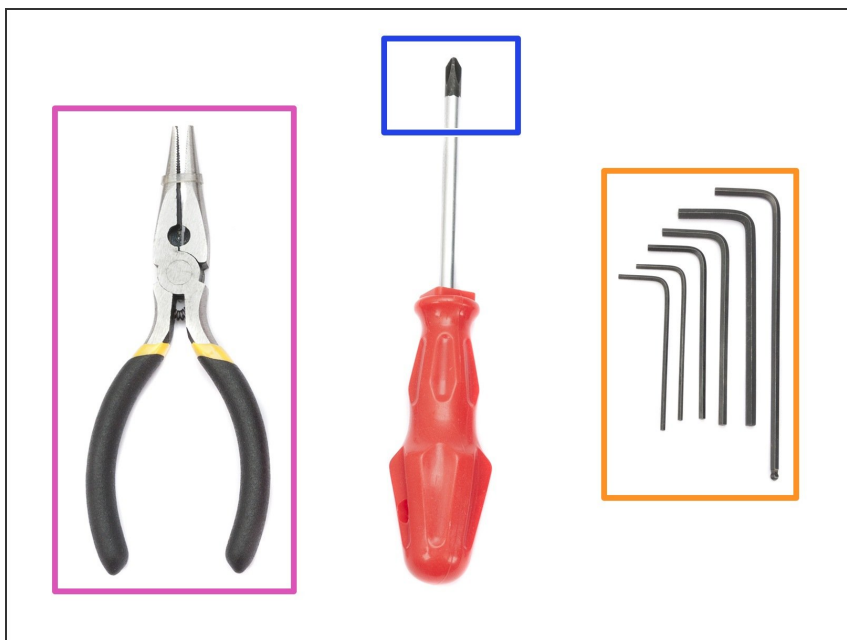
**TOOLS:**

- All tools are included (1)

**PARTS:**

- Original Prusa i3 MK3 kit (1)

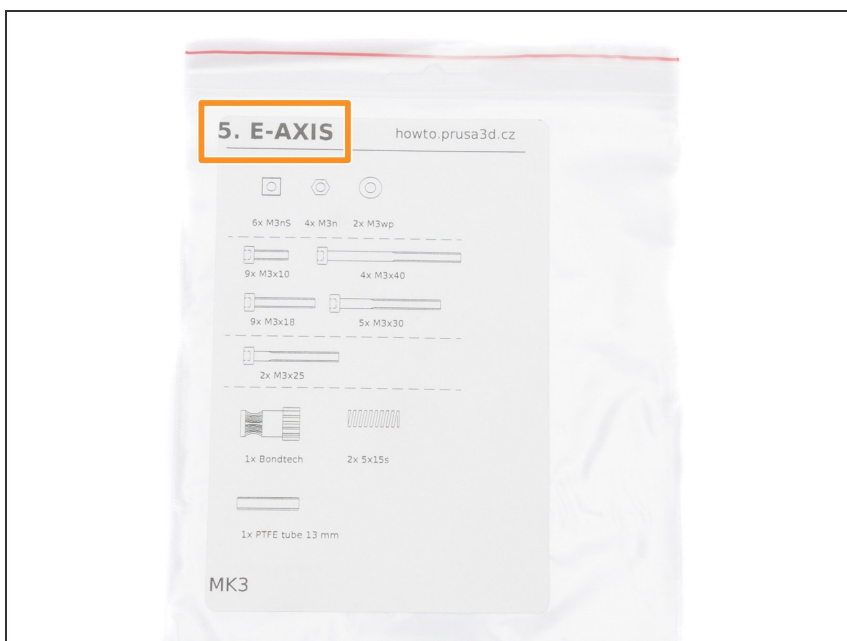
Step 1 — All the required tools are included



⚠ This manual is for the Original Prusa i3 MK3 only! In case you have a new model MK3S, please proceed according to [Original Prusa i3 MK3S kit assembly v3.12](#)

- The kit includes:
 - Needle-nose pliers (1x)
 - Philips screwdriver (1x)
 - Allen key (6x)
- ⓘ No soldering is required.
- ⓘ No wire crimping is required.

Step 2 — Labels guide



- All the boxes and bags including parts for the build are labelled.
- Number (or numbers) in the header tells you for which chapter you'll need that bag (or box).

Step 3 — Use labels for reference



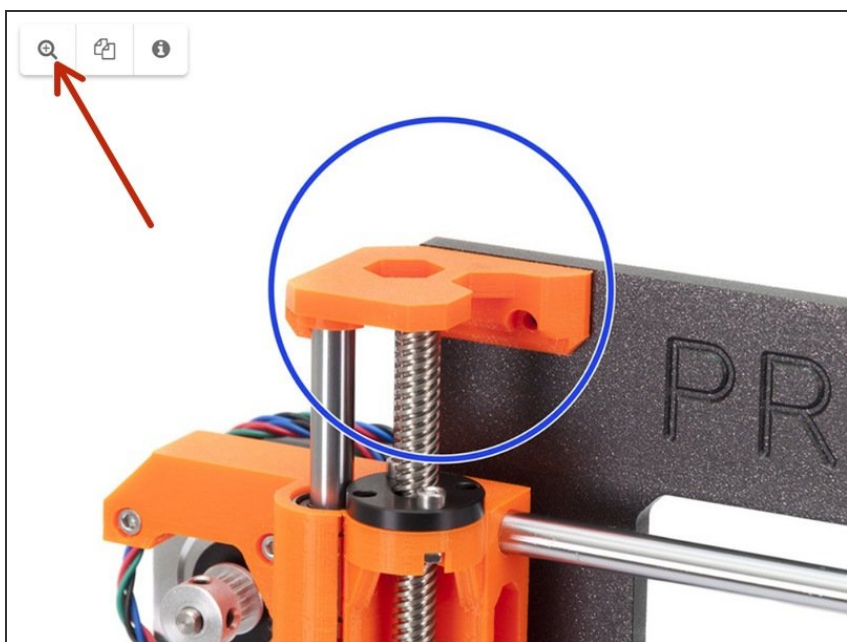
- i Most of the labels are scaled 1:1 and can be used to identify the part :-)

Step 4 — Spare bag



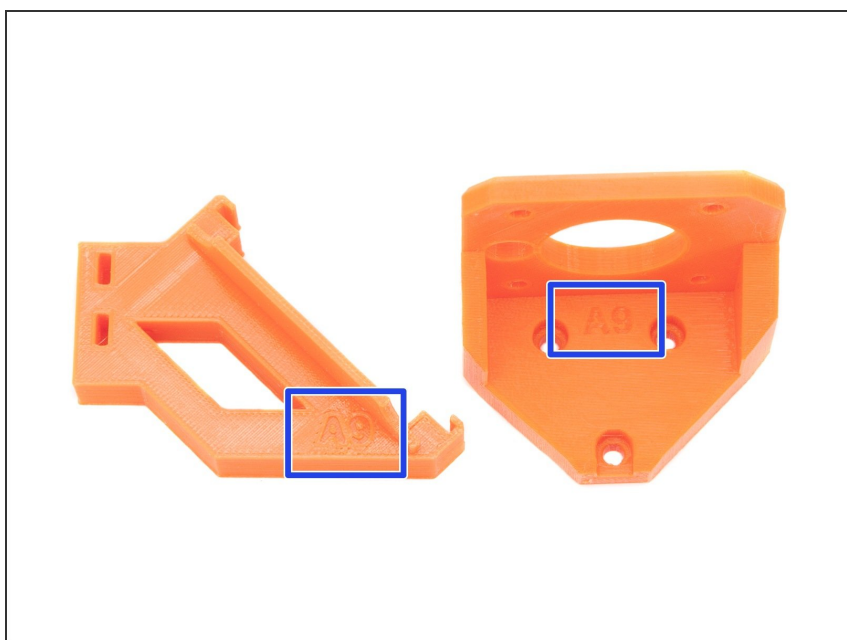
- Every type of fastener is included in a separate special bag.
- i If you lose a screw when building, use one from this bag.

Step 5 — View high resolution images



- i When you browse the guide on manual.prusa3d.com, you can view the original images in high resolution for clarity.
 - Just hover your cursor over the image and click the Magnifier button ("View original") in the top left corner.


Step 6 — Printed parts - versioning



- Starting with Original Prusa i3 MK3 most of the printed parts are marked with their version.
 - i In case you have issues while assembling the printer with the certain printed part, please try to find this label and tell it to our support team.

Step 7 — We are here for you!

Step 07 Aligning the smooth rods



⚠ IMPORTANT: proper alignment of the smooth rods is crucial to reduce noise and overall friction.

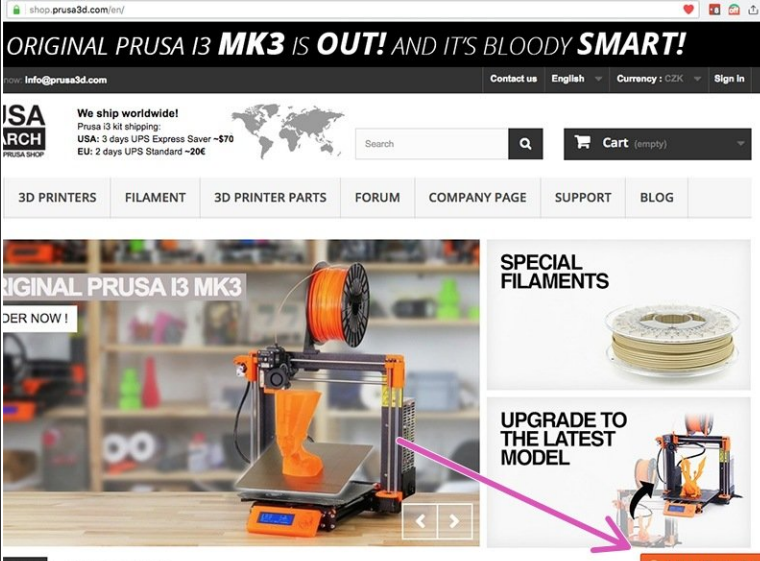
- Ensure all M3x10 screws on Y-holders are released, so the printed parts are able to move.
- Move the Y-carriage back and forth across the entire length of the smooth rods to align them.
- Then move the carriage to the front plate and tighten all screws in the front-Y-holders.
- Move the Y-carriage to the rear plate and tighten all screws in the back-Y-holders.

10 comments

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Anything I can do if the M3x10 screws on the rear plate (short extruders) holding the rear Y-holders are not tightening all the way? They are stripped and just keep rotating. The rear Y-holders wiggle a little.
Alex Wilkie - January 4

Hi Alex, are you able to release the screws and take them out? Both nuts and screws, can be replaced from spare bag if needed.
Jakub Dolezal - January 5



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Ask us : We are online.

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- You can contact us using following channels:
 - Using comments under each step.
 - Using our 24/7 live chat at shop.prusa3d.com
 - Writing an email to info@prusa3d.com
- You can start by assembling Y-axis in the next chapter - [2. Y-axis assembly](#)