Makertech

DSE Only - Stage 00: Unboxing and Introduction

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INTRODUCTION

The Dual Switching Extruder build manual for a non-Proforge printer will assume that you already have an understanding of open-source reprap 3d printing and are comfortable editing the Marlin firmware for your own specific set-up.

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Step 1 — Unboxing

- When unboxing you should have:
    - Fasteners
    - Cables
    - Electronics
    - Hotend x2
    - Metal Parts
    - NEMA 17 Motor

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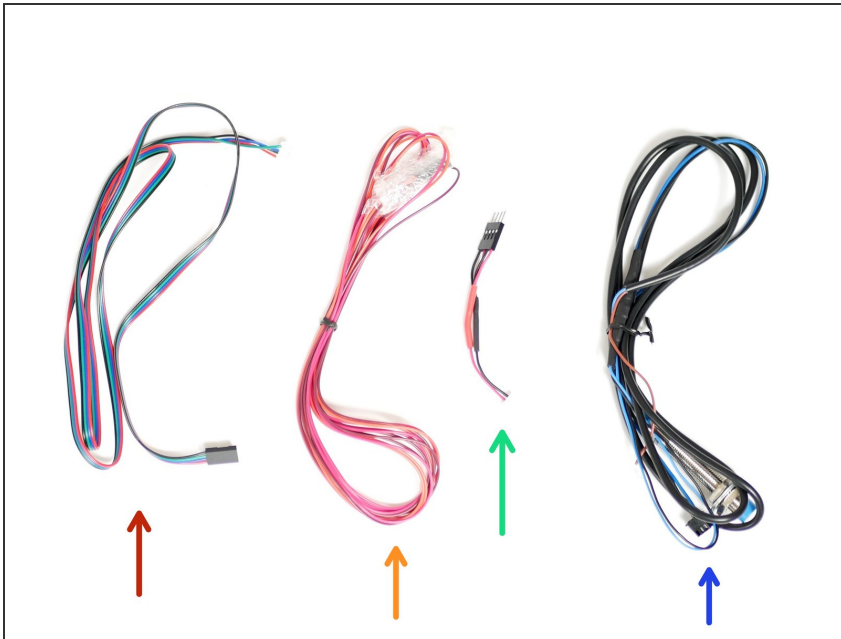
Step 2 — Fasteners Bag

- Spacers and Bearings
- Fastener Bag A
- Fastener Bag B
- Cable Ties
- Braided Cable Sleeving
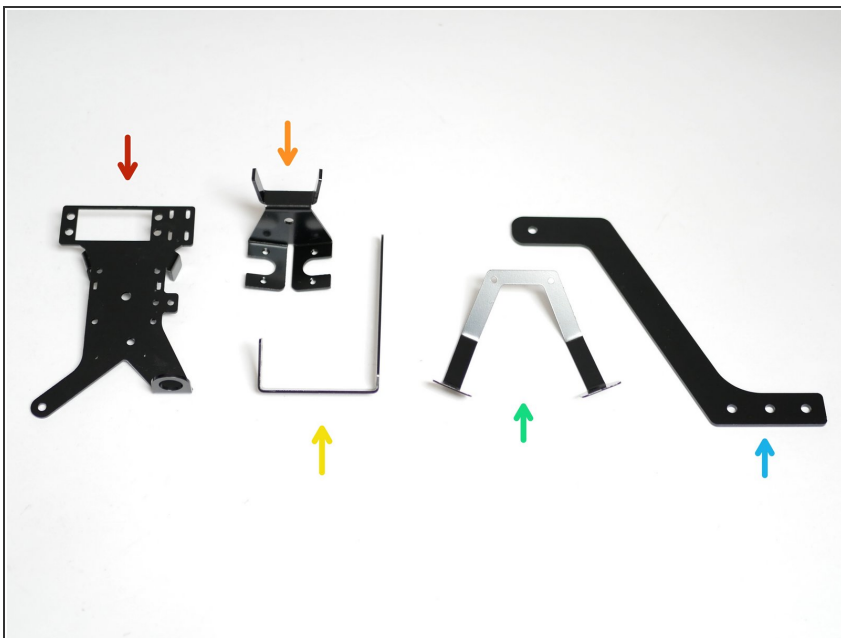- PTFE Tape

Step 3 — Electronics Bag
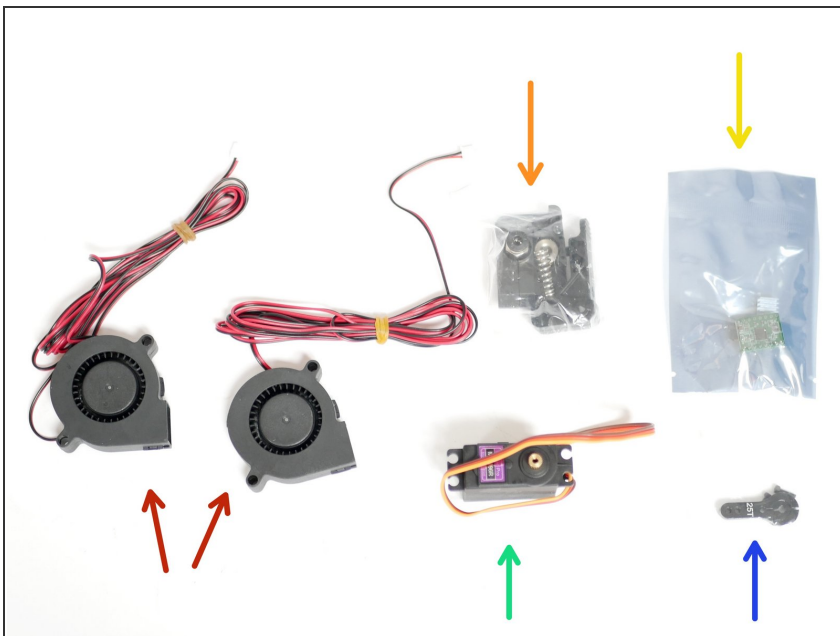
- Blower Fan x2
- Extruder Kit
- Stepper Driver
- Servo Motor
- Servo Arm

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Step 4 — Cables Bag

- ● Motor Cable
- ● Servo Cable
- ● Fan Adapter Cable
- ● Levelling Probe

Step 5 — Metal Parts Bag

- ● DSE Backplate
- ● DSE Hotend Mount
- ● 2nd Fan Mount
- ● Ooze Shield
- ● Spool Holder

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Step 6 — You Will Need (not included)

- Allen Keys

- Scissors

- Needle Nose pliers

- Slip Joint Pliers

- A lighter (optional)

Step 7 — Hardware Requirements

- Electronics board capable of running two extruder motors.

- At least one bowden extruder feeder.

- A metal print platform for using the included probe.

- 12V or 24V power supply.

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Step 8 — Firmware Requirements

- Latest version of the Marlin firmware with "SWITCHING_NOZZLE" feature.

- Other firmwares may also be compatible, but are untested.

Step 9 — Software Requirements

- A slicer with dual extrusion support. We recommend Cura.

- A slicer capable of X/Y dual hotend offset.

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Step 10 — Forum/Troubleshooting - Here to Help!

ⓘ If you get stuck at any point or need help with assembly or printing something, feel free to post in the official [forum](#).

ⓘ If you're missing a part or have received a faulty/broken one, please use this form [here](#) to order a replacement.

ⓘ Want to get in touch? Drop us an email at info@makertech3d.com

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