MK4/MK3.9 printable parts

Prusa Research

VIEW IN BROWSER

updated 15. 4. 2024 | published 15. 4. 2024

Summary

Original Prusa MK4 and Original Prusa MK3.9 printable parts

39.74 hrs	7 pcs	0.20 mm	0.40 mm	PET	384 g	Prusa MK3/S/S+

3D Printers > Prusa Parts & Upgrades

Tags: parts   mk4   mk39   printableparts

All printable parts for your Original Prusa MK4 and Original Prusa MK3.9.

MK4/MK3.9 upgrade

Stage 1: Read the manual first!

- Don't disassemble the printer for now, follow the instructions provided in the manual.
  - Original Prusa MK4 assembly manual
  - Original Prusa MK3.9 assembly manual

Stage 2: Printing the required parts

- **The upgrade package includes two spools** (black and orange). Based on the color combination, some filament will remain unused. It serves as a reserve in case of a failed print (for the black&orange option only).
- **Fan-shroud is included in the package** from Prusa, since it must be printed from ASA or similar.
- Compared to the MK4 kit, the xLCD-cover and PG-front-case will be printed by your printer without the "Original Prusa MK4" signs, because a special post-processing is needed. However, the upgrade package includes stickers, which should create similar look. Applying the stickers is optional. See the assembly upgrade manual.
- Optional: If you decide to upgrade your older Silver PSU to the newer Black PSU, remember to print PSU-cover.stl from the 'xLCD' folder in the 'Files' tab. Print settings are described below.
- All the printer parts are separated into multiple G-codes, **you have to print all of them**. Each G-code has in its name either BLK or BLK_ORG, so you can load the correct color in advance.

Stage 3: Assembling the MK4/MK3.9 upgrade

- Follow the instructions, prepare parts, then assemble your full MK4/MK3.9 upgrade.

Print instructions

Download the latest PrusaSlicer and use the following settings**:

- Print settings: 0.20mm QUALITY
- Filament: PETG (tested on Prusament)
- 15% Grid infill

** Note that print settings are recommended, but you can experiment with your own.

Model files

| 📁 **Frame** | 5 files |

x-holder-r2.stl

y-belt-idler-r2.stl

⬚ Mind the correct orientation of this part.

y-belt-idler-r2.stp

y-motor-holder-r3.stl

y-motor-holder-r3.stp

📂 X-axis & X-carriage

10 files

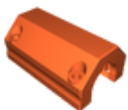**x-end-motor-r2.stl**

⬚ Print black or orange.

x-end-motor-r2.stp
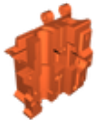
x-end-idler-r2.stl

⬚ Print black or orange.

x-end-idler-r2.stp

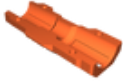**x-end-clip-r2.stl**

⬚ Print 2x, black or orange.

x-end-clip-r2.stp

x-carriage-r2.stl

---

x-carriage-r2.stp

---

x-carriage-clip-r2.stl

---

x-carriage-clip-r2.stp

📁 **Z-axis**   18 files

z-bottom-left-r2.stl
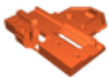
🗋 Print black or orange.

---

z-bottom-left-r2.stp
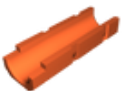
---

z-bottom-right-r2.stl

🗋 Print black or orange.

---

z-bottom-right-r2.stp
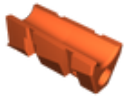
---

x-carriage-back-r2.stl

---

x-carriage-back-r2.stp

---

x-carriage-cable-holder-cover-r2.stl

x-carriage-cable-holder-cover-r2.stp

x-carriage-cable-holder-r2.stl

x-carriage-cable-holder-r2.stp

ext-cable-holder-b-r2.stl

ext-cable-holder-b-r2.stp

ext-cable-holder-a-r2.stl

ext-cable-holder-a-r2.stp

z-top-right-r3.stl

🗋 Print black or orange.

z-top-right-r3.stp

z-top-left-r3.stl

🗋 Print black or orange.

z-top-left-r3.stp

📁 **Nextruder**   26 files

main-plate-r2.stl

main-plate-r2.stp

idler-lever-a-r2.stl

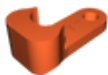**idler-lever-a-r2.stp**

idler-lever-b-r2.stl

idler-lever-b-r2.stp

idler-nut-r2.stl

idler-nut-r2.stp

idler-swivel-r2.stl

📝 Print 2x

idler-swivel-r2.stp

pg-case-r1.stl

📝 Version with 4 screws

pg_case_r1.stp

pg-case-r2.stl

📃 Version with 3 screws

pg-case-r2.stp

pg-case-r3.stl

📃 Version with 3 screws, compatible starting MK4 upgrade

pg-case-r3.stp

fan-door-r2.stl

fan-door-r2.stp

fan-shroud-r2.stl

📃 Recommended material: ASA or similar, included (printed) in kit and all upgrades

fan-shroud-r2.stp
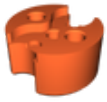
loveboard-cover-r2.stl

loveboard-cover-r2.stp

loveboard-cover-right-r2.stl

loveboard-cover-right-r2.stp

pg-assembly-adapter-mk4-r1.stl

📄 Printable only on MK4 due tolerances, for MK3/S/+ use the other model.

pg-assembly-adapter-mk3-r2.stl

📄 Printable only on MK3/S/+ due tolerances, for MK4 use the other model.

📂 **xLCD**   15 files

xlcd-cover-r2.stl

📄 Compatible with xLCD v27 or older (check the PCB)

xlcd-cover-r2.stp

xlcd-support-left-r2.stl

📄 Compatible only with xlcd-cover-R2

xlcd-support-left-r2.stp

xlcd-support-right-r2.stl

📄 Compatible only with xlcd-cover-R2

xlcd-support-right-r2.stp

xlcd-cover-r3.stl

📄 Compatible with xLCD v28 or newer (check the PCB)

xlcd-cover-r3.stp

xlcd_support_left_r4.stl

📓 Compatible only with xlcd-cover-R3

xlcd_support_left_r4.stp

xlcd_support_right_r4.stl

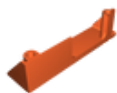📓 Compatible only with xlcd-cover-R3

xlcd_support_right_r4.stp

xlcd-knob-r2.stl

psu-cover-r2.stl

psu-cover-r2.stp
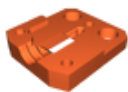

📁 **Y-carriage & Heatbed**   16 files

heatbed-cable-cover-top-r2.stl

heatbed-cable-cover-top-r2.stp

heatbed-cable-cover-bottom-r2.stl

heatbed-cable-cover-bottom-r2.stp

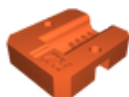**y-rod-holder-r2.stl**

Print 4x

y-rod-holder-r2.stp

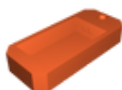**heatbed-cable-holder-r2.stl**

heatbed-cable-holder-r2.stp

wifi-cover-r2.stl

wifi-cover-r2.stp

y-belt-holder-r2.stl

y-belt-holder-r2.stp
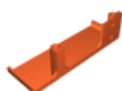
y-belt-holder-tensioner-r2.stl

y-belt-holder-tensioner-r2.stp

el-box-cover-r3.stl

el-box-cover-r3.stp

filament-guide-r2.stl

Print files

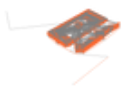📂 **MK3S&MK3S+ to MK4&MK3.9 upgrade G-codes** 7 files

6_mk4_mk39_upgrade_blk_02mm_petg_mk3s_1h41m.gcode
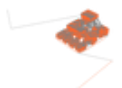❀ PET 🌡 0.40 mm ≡ 0.20 mm 🕐 1.69 hrs ⚖ 17 g 🖶 Prusa MK3/S/S+

3_mk4_mk39_upgrade_blk_petg_mk3s_3h33m.gcode
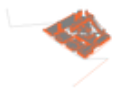❀ PET 🌡 0.40 mm ≡ 0.20 mm 🕐 3.55 hrs ⚖ 39 g 🖶 Prusa MK3/S/S+

4_mk4_mk39_upgrade_blk_02mm_petg_mk3s_4h27m.gcode
❀ PET 🌡 0.40 mm ≡ 0.20 mm 🕐 4.44 hrs ⚖ 44 g 🖶 Prusa MK3/S/S+

1_mk4_mk39_upgrade_blk_02mm_petg_mk3s_4h34m.gcode
❀ PET 🌡 0.40 mm ≡ 0.20 mm 🕐 4.57 hrs ⚖ 41 g 🖶 Prusa MK3/S/S+

5_mk4_mk39_upgrade_blk_02mm_petg_mk3s_4h56m.gcode
❀ PET 🌡 0.40 mm ≡ 0.20 mm 🕐 4.93 hrs ⚖ 46 g 🖶 Prusa MK3/S/S+

2_mk4_mk39_upgrade_blk_02mm_petg_mk3s_6h15m.gcode
❀ PET 🌡 0.40 mm ≡ 0.20 mm 🕐 6.25 hrs ⚖ 54 g 🖶 Prusa MK3/S/S+

7_mk4_mk39_upgrade_org-blk_02mm_petg_mk3s_14h18m.gcode

⊗ PET   0.40 mm   ≡ 0.20 mm   ⏱ 14.31 hrs   ⚖ 143 g   🖺 Prusa MK3/S/S+

License Ⓒ

This work is licensed under a
GNU

General Public License v2.0

✖ | Sharing without ATTRIBUTION
✔ | Remix Culture allowed
✔ | Commercial Use
✔ | Meets Open Definition
ℹ | Share under the same license