

Printed Extruder Cover V2 Replacement

SOURCE:

<http://support.zortrax.com/printed-extruder-cover-v2-replacement/>

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Required Tools	Parts
a 2mm Allen key [Shop now]	printed extruder cover V2 [Shop now]

i Printed extruder cover is placed over the extruder in order to give protection to the extruder cable and all the cables plugged into the extruder PCB. The cover secures the extruder PCB on the aluminum extruder cover as well as functions as a distance piece between these two components. Therefore, if you notice visible signs of wear and tear on the printed extruder cover (cracks or breaks), replace the cover to avoid any kinds of failures.

At first, print the cover and then replace it according to this manual. The model is available to download [here](#).

M Series Printing Servicing



Zortrax M Series includes two printer models right now: M200 and M300. These printers remain similar in terms of design and technology. The most important difference is their size: M200 with a 200x200x180mm workspace, whereas M300 with an increased 300x300x300mm workspace.

Therefore, maintenance and repair work can be carried out in the same manner with both models. The following manual shows M200 repair work. In the case of M300, these procedures look the same.

Unloading the Material

From the menu choose “Material” and then “Unload the material” option. The extruder should start to heat up automatically. Once the extruder is hot, the motor will start to unload the material.

Unplugging the Power Cable

Turn off the printer and unplug the power cable.

Upper Printed Extruder Cover Removal

Detach the upper printed extruder cover from the extruder.

Material Guide Removal

Detach the material guide from the extruder cover.

Unplugging the Extruder Cable

Unplug the extruder cable.

Unplugging all Cables from the Extruder PCB

Unplug all the cables from the extruder PCB: the fans cable, the heater & thermocouple cable and the extruder motor cable.

Unscrewing the Extruder PCB

Unscrew the two screws securing the extruder PCB using a 2mm Allen key. Remove the PCB from the extruder.

Lower Printed Extruder Cover Removal

Remove the lower printed extruder cover.

Lower Printed Extruder Cover Assembly

Attach the new lower printed extruder cover to the extruder.

Extruder PCB Assembly

Place the extruder PCB in its place and secure it with the two screws.

Plugging all Cables into the Extruder PCB

Plug all the cables in. Remember to arrange the cables so that they don't get damaged, e.g. by wrapping against each other.

Plugging the Extruder Cable

Plug the extruder cable in.

Material Guide Assembly

Attach the material guide to the extruder cover.

Upper Printed Extruder Cover Assembly

Attach the upper extruder cover to the lower cover.

Plugging the Power Cable

Plug the power cable in.