Upgrading the Extruder Printed Cover

SOURCE:
https://support.zortrax.com/upgrading-extruder-printed-cover/

Table Of Contents

The extruder top cover V2 features enhanced functionalities of the extruder cover V1. The modernized version of the cover provides even more protection to the extruder cable. Thanks to the fastener included in the upper part of the cover, the extruder cable is tightly secured, right next to its connector where severe deformation can occur during the printing process. Also, the extruder top cover V2 makes material feeding easier through the redesigned hole for the material guide.

We highly recommend replacing the cover V1 with the cover V2. First, you need to 3D print the model available: here and follow these steps to upgrade the extruder top cover from V1 to V2.

The following manual shows the M200 repair work. For the M300, these procedures are the same.
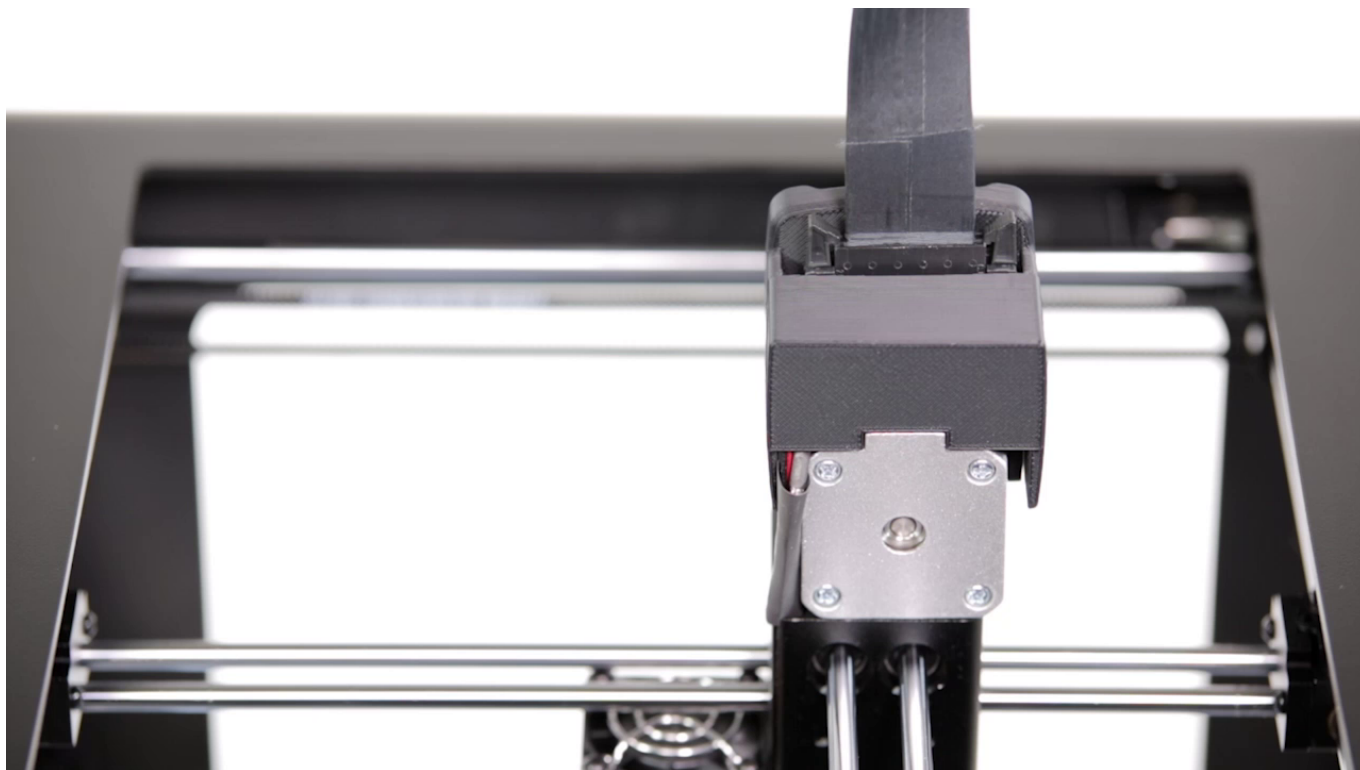
Unloading the Material

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.
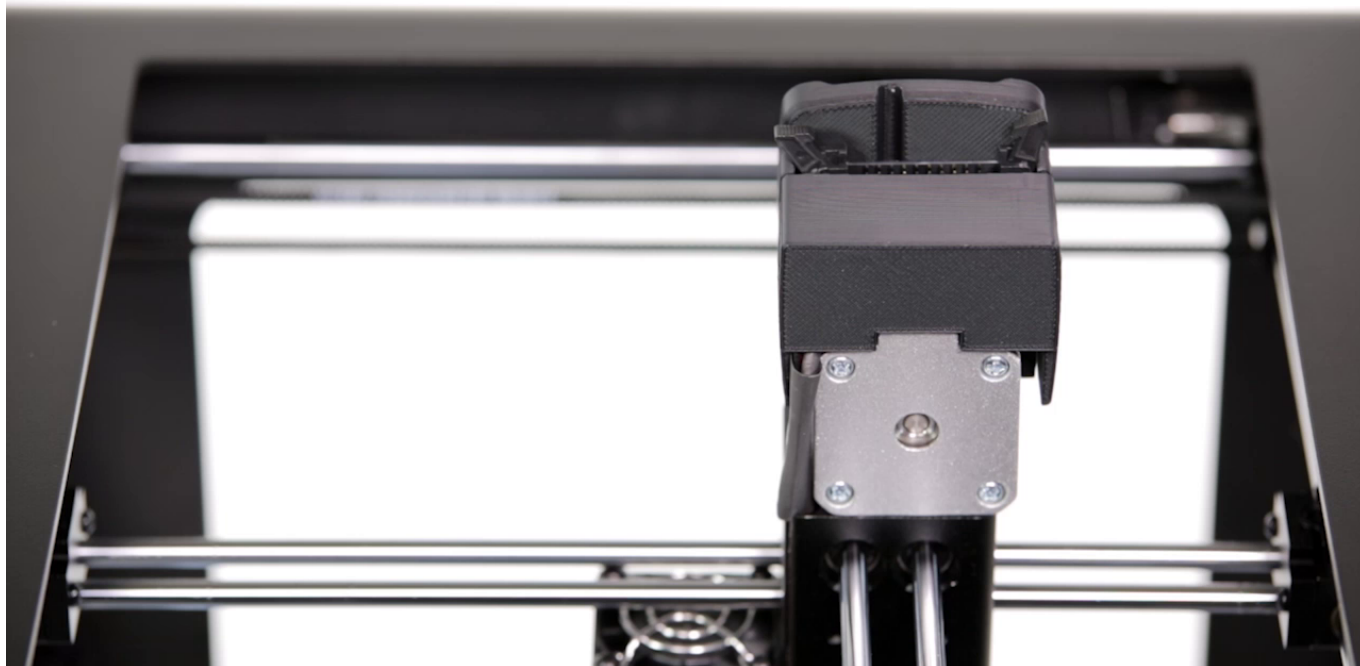
Unplugging the Power Cable

Turn off the printer and unplug the power cable.

Unplugging the Extruder Cable
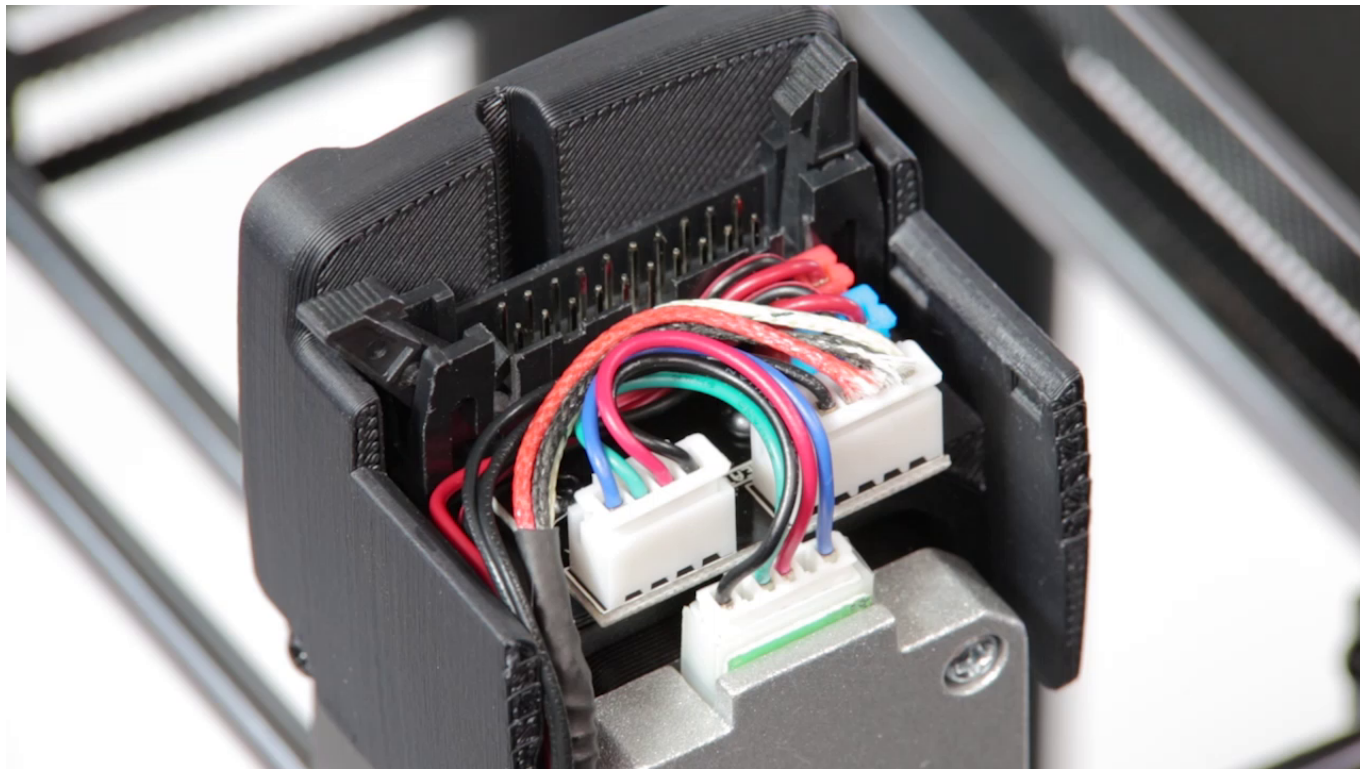

Unplug the extruder cable.

Unplugging the Extruder Cable

Extruder Upper Printed Cover V1 Removal

Detach the extruder upper printed cover V1 from the extruder.
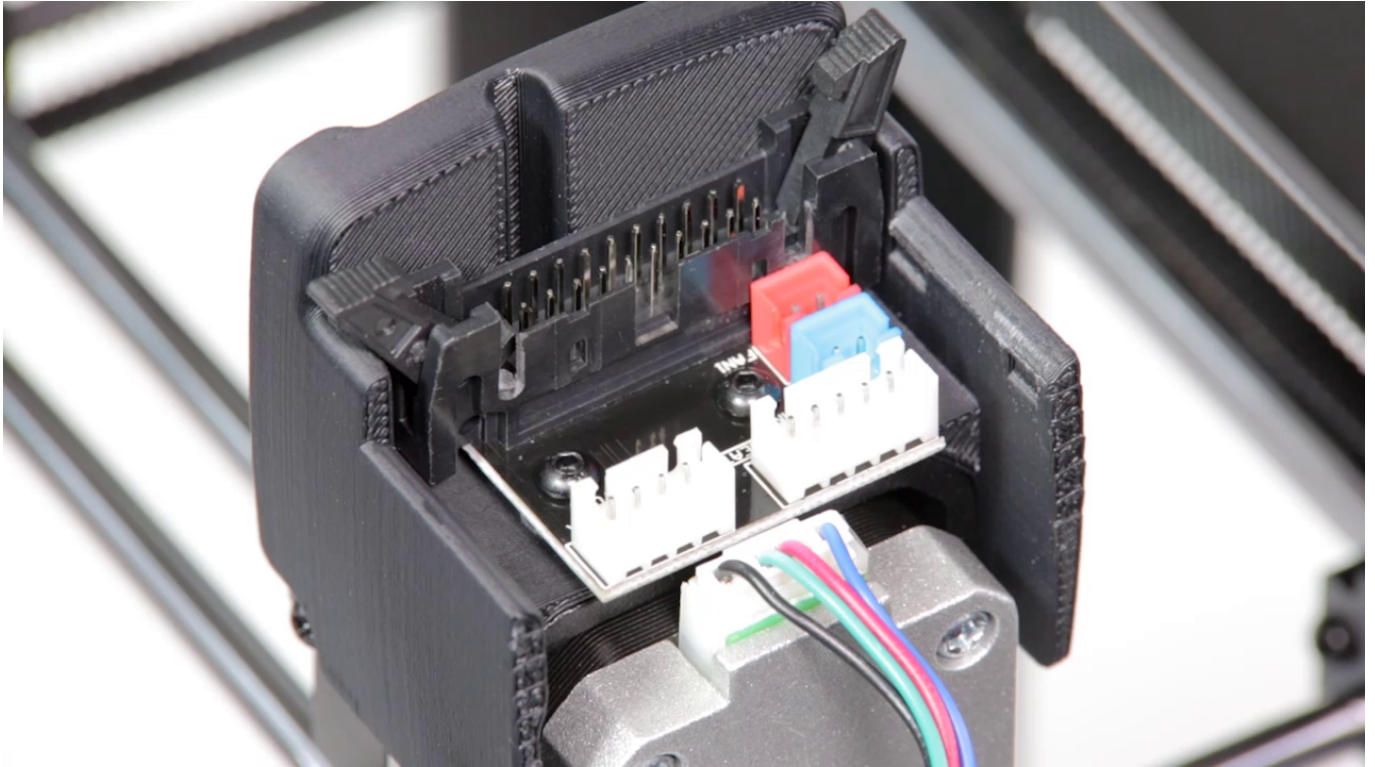
Extruder Upper Printed Cover V1 Removal

Unplugging all Cables from the Extruder PCB
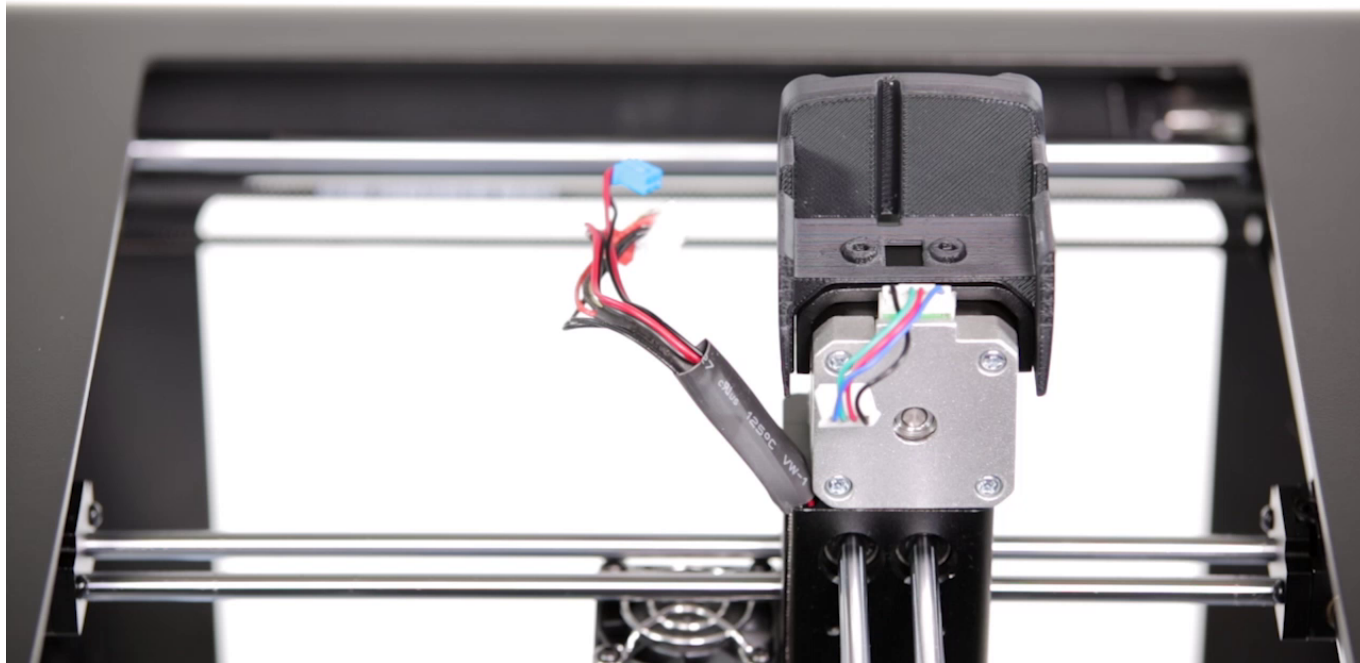

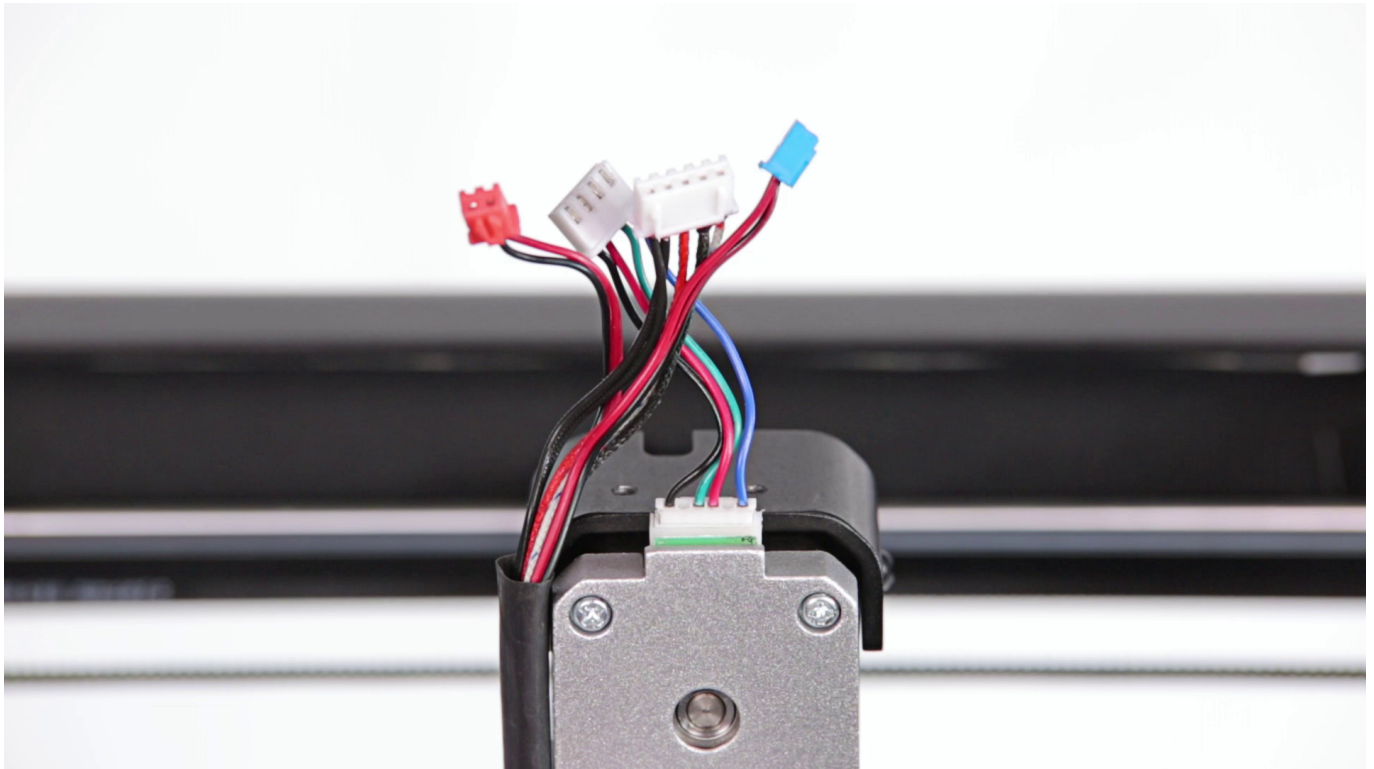Unplug all the cables from the extruder PCB.

Unscrewing the Extruder PCB

Unscrew the two screws that secure the extruder PCB using a 2mm Allen key. Remove the PCB from the extruder.
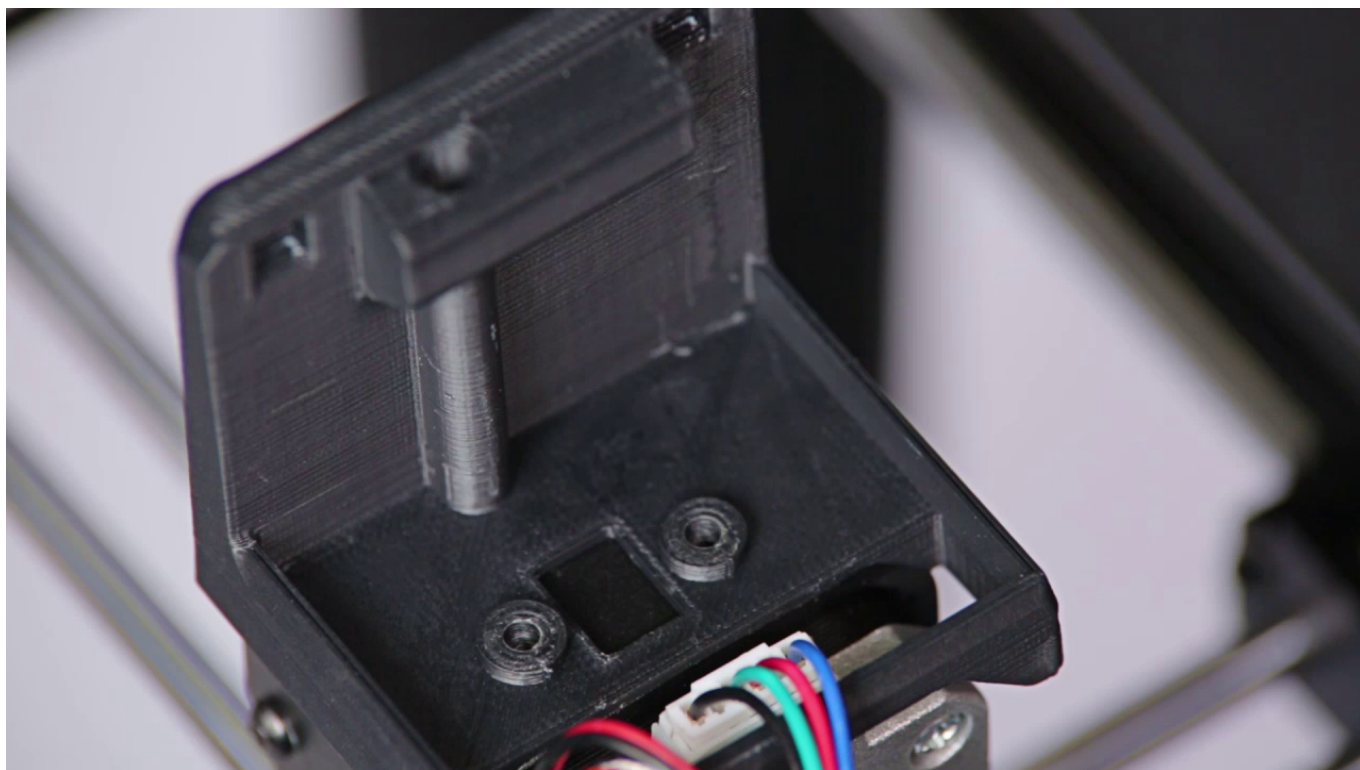
Extruder Lower Printed Cover V1 Removal

Remove the extruder lower printed cover V1.
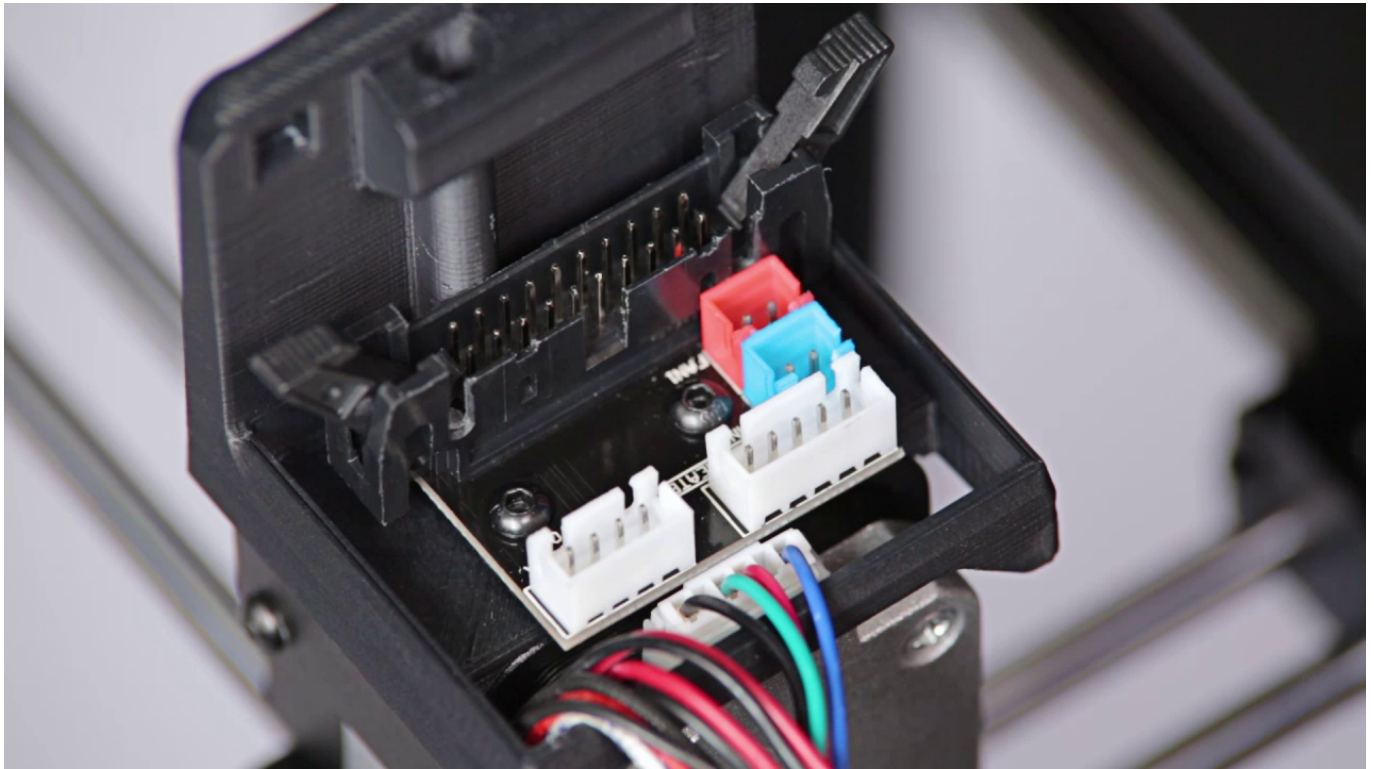
Extruder Lower Printed Cover V2 Assembly

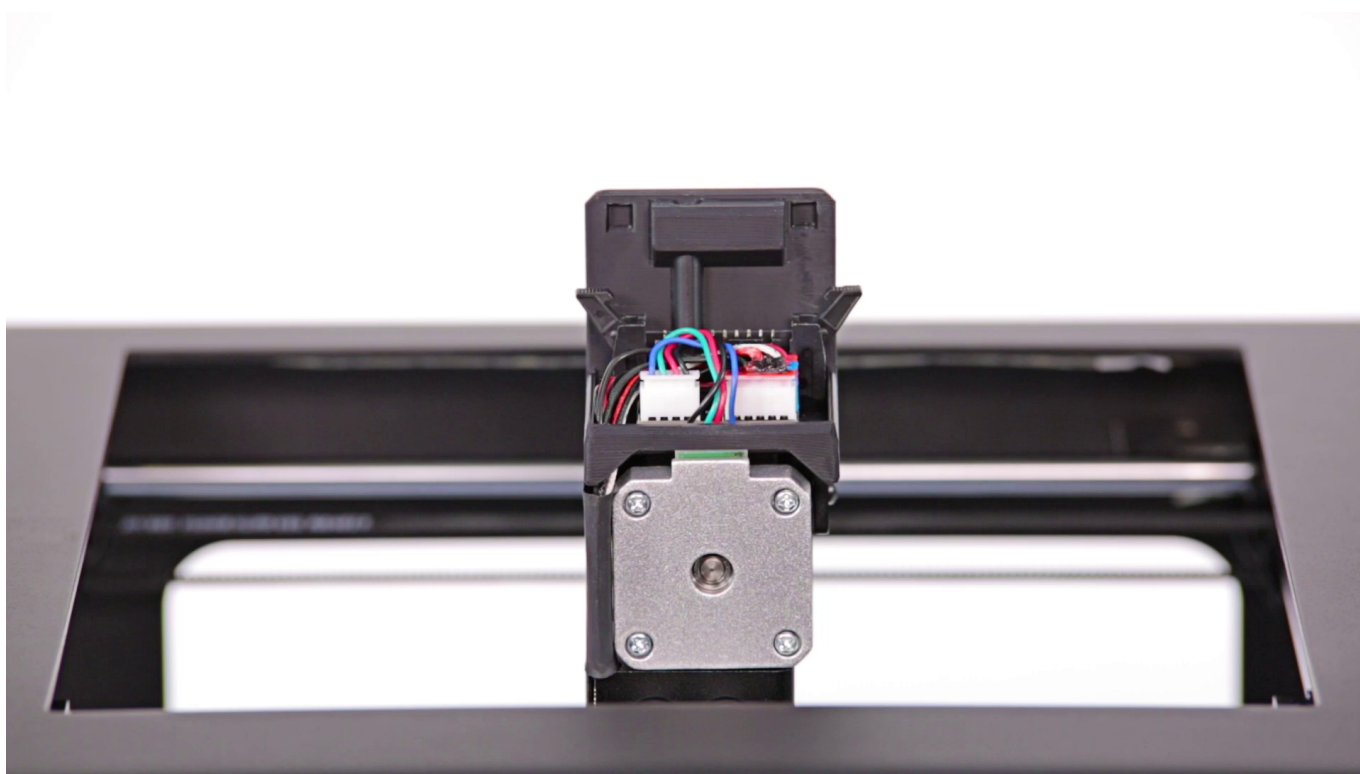Attach the extruder lower printed cover V2 to the extruder.

Extruder PCB Assembly

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

Extruder PCB Assembly

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 all Cables into the Extruder PCB
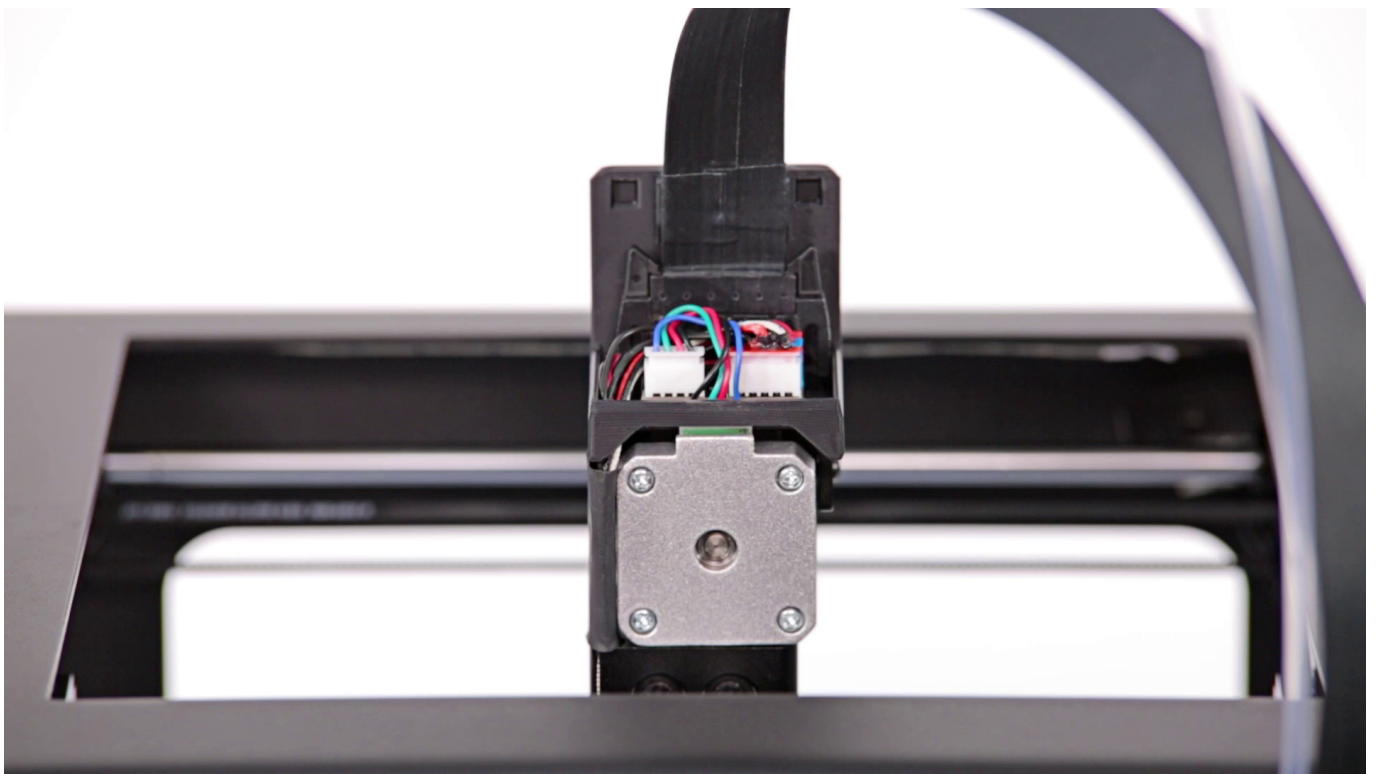
Plugging the Extruder Cable

Plug the extruder cable in.

Material Guide Assembly

Attach the material guide to the extruder cover V2.

Extruder Upper Printed Cover V2 Assembly

Attach the extruder upper printed cover V2 to the lower cover.

Plugging the Power Cable

Plug the power cable in.