Heatbed Cable Replacement

SOURCE:
https://support.zortrax.com/m200-heatbed-cable-replacement/

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Moving the Platform down

The heatbed cable is responsible for transferring power from the motherboard to the heatbed and perforated plate during platform calibration and printing process. The heatbed provides proper platform heating, whereas perforation on the plate’s surface increases adhesion of models during the printing process. Both of these factors highly influence the printing quality. Therefore, if you are unable to complete the calibration (the nozzle hits the perforated plate) or the display shows one of the following error messages: #012, #014, #030, #031, #033, at first you should check the heatbed cable for proper connection. If the connectors are properly connected but you still encounter problems, you have to replace the heatbed cable. The following manual shows how to properly replace the cable.

Moving the Platform up

From the menu choose *Maintenance* and then *Move the platform up*. Keep the knob pressed to move the platform to the top.

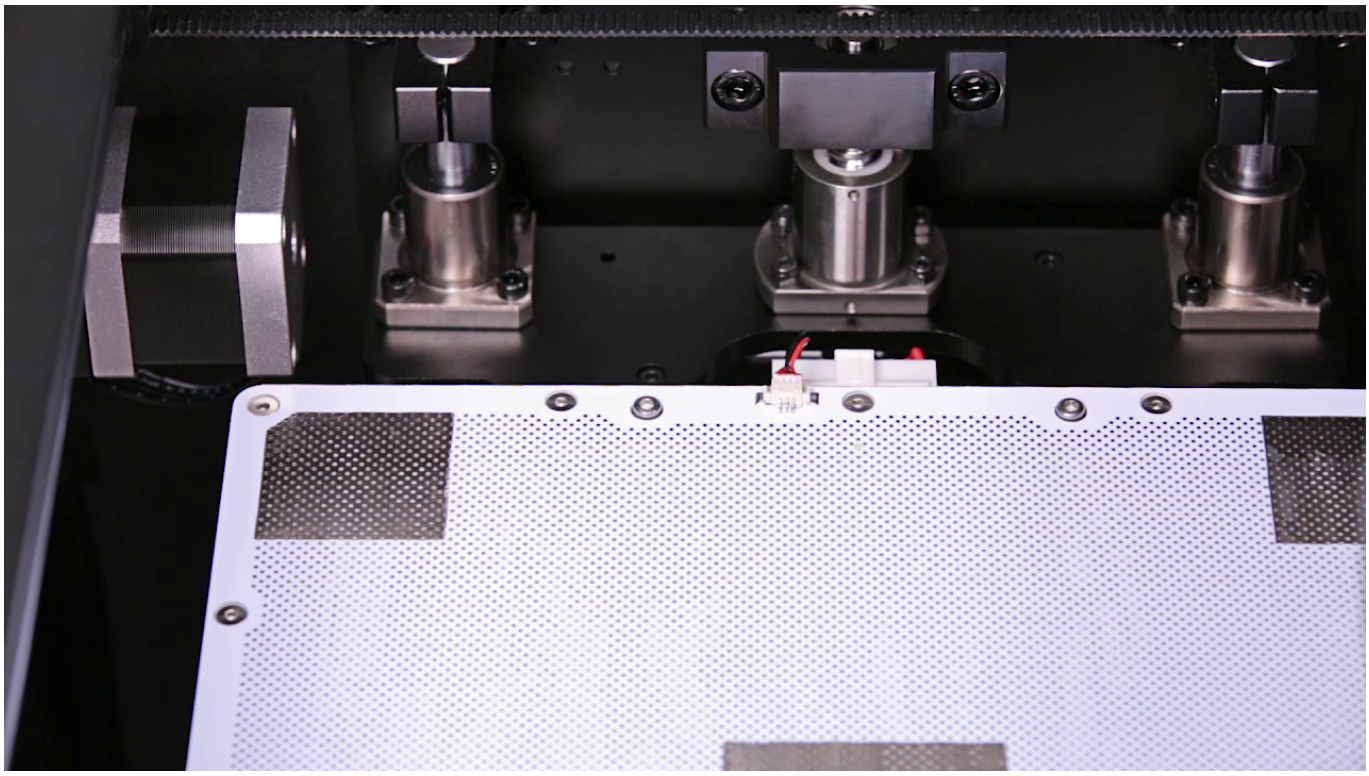
DO NOT MOVE THE PLATFORM TOO HIGH. THE NOZZLE CANNOT HIT THE PERFORATED PLATE.

Unplugging the Power Cable

Turn off the printer and unplug the power cable.

Wait until the printer cools down.

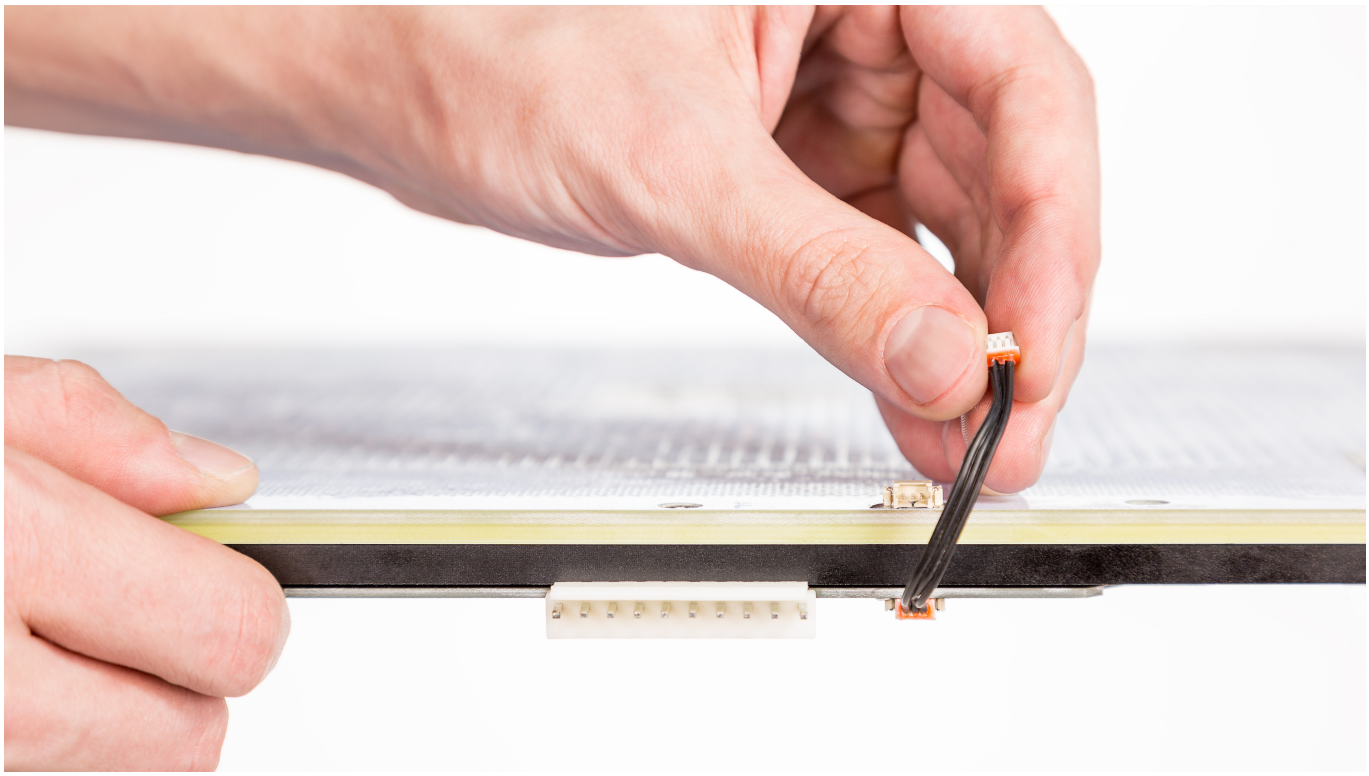
Unplugging the Heatbed Cable



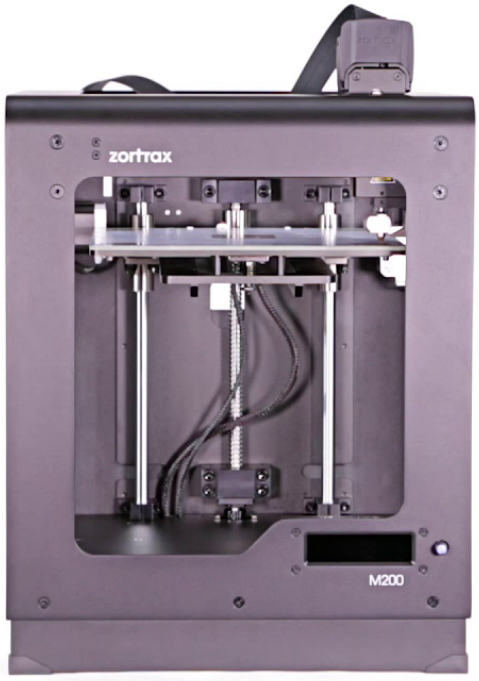
Unplug the heatbed cable from the platform. Both big and small connectors need to be unplugged.

UNPLUGGING THE PERFORATED PLATE CABLE (M300)

During the M300 heatbed cable replacement, you have to also unplug two small connectors on both sides of the platform and remove the perforated plate cable.



Changing the Printer's Position



Grab the printer’s housing and change the printer’s position so that you can easily access the bottom plate.

Unscrewing the Bottom Plate, part 1

Unscrew the screws that secure the bottom plate on one side of the housing. Use a 2.5mm Allen key.

Turning the Printer

Turn the printer over.

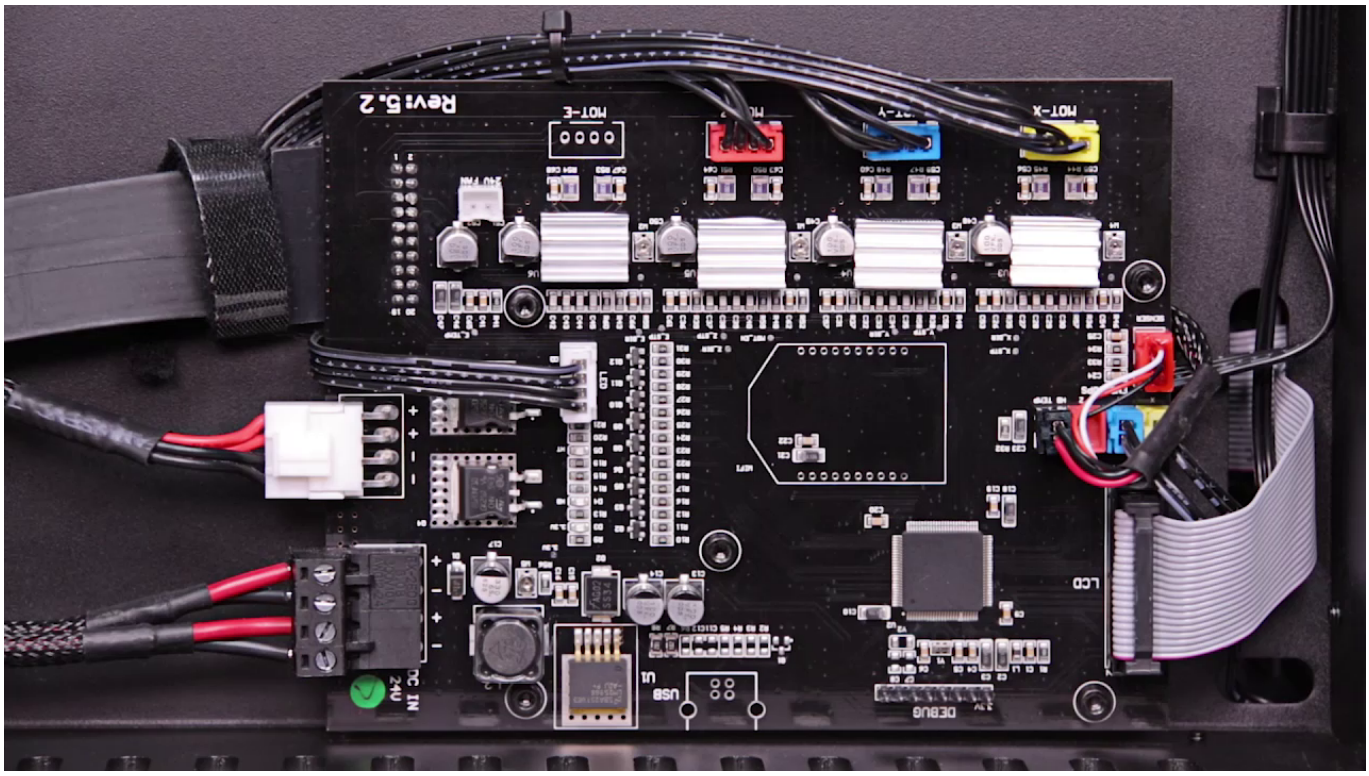
Unscrewing the Bottom Plate, part 2

Unscrew the screws that secure the bottom plate on the other side of the housing. Use the same key.

Separating the Bottom Plate

Separate the bottom plate from the printer and unplug the bottom fan cable from the motherboard.

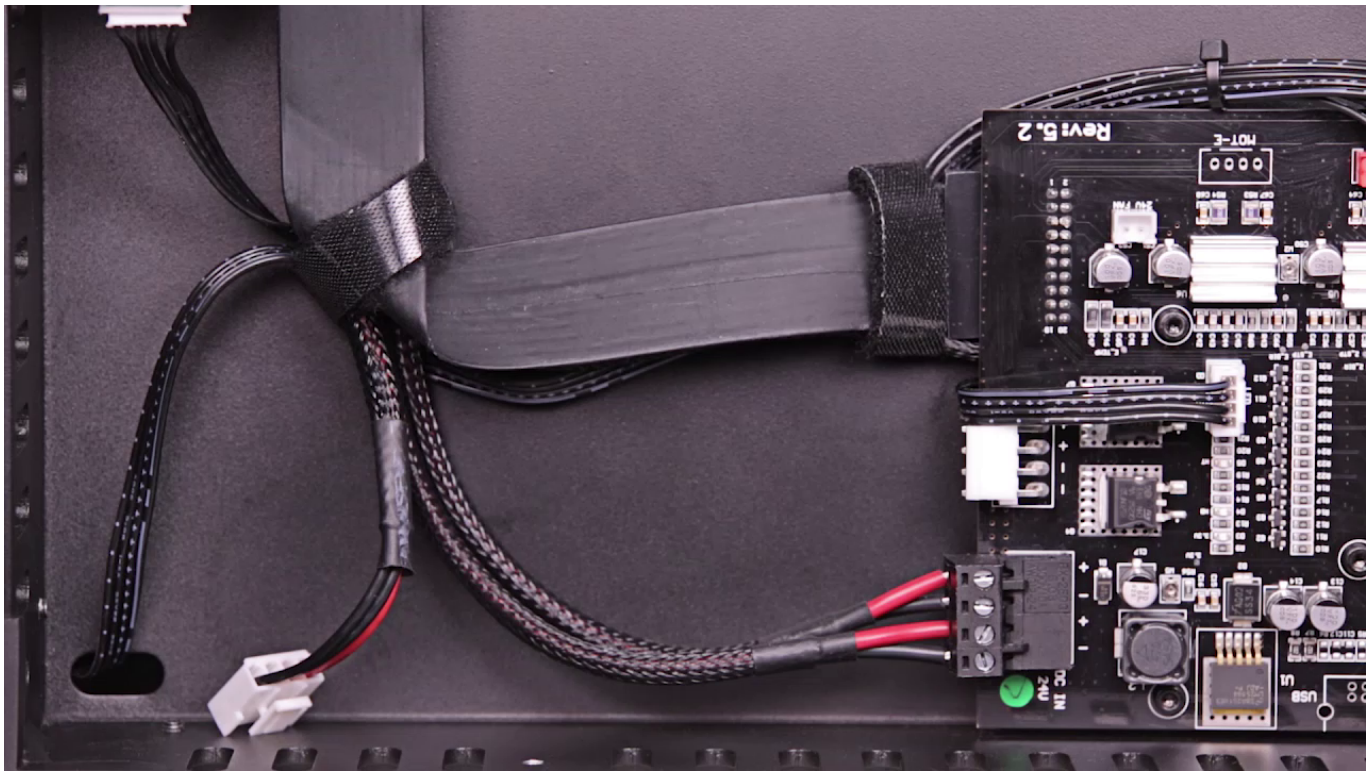
Unplugging the Cable from the Motherboard



Unplug the heatbed cable from the motherboard.

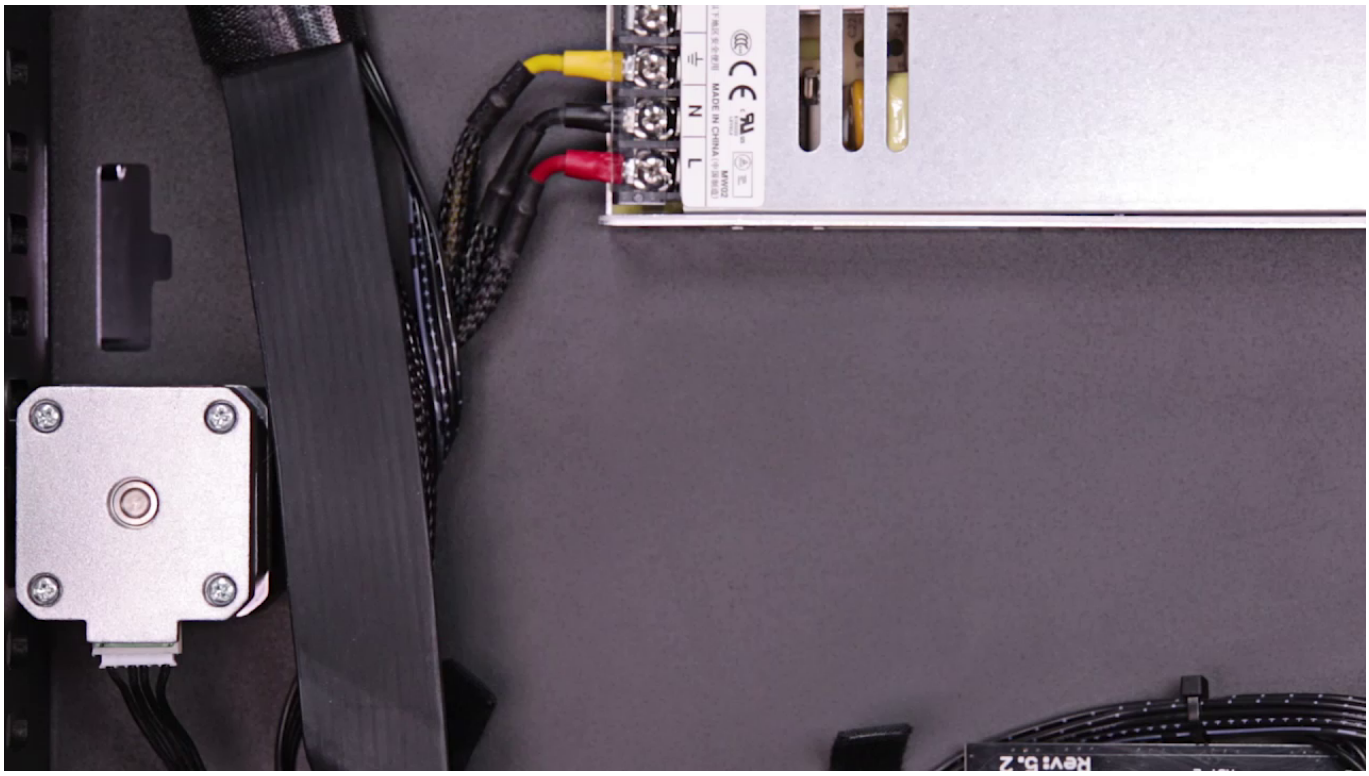
The video shows the new version of the motherboard. Previous versions of the motherboard may look slightly different.

Heatbed Cable Removal



Unfasten the two extruder cable straps and carefully remove the cable from under the motherboard. Next, remove the opposite end of the cable through the hole next to the Z-axis screw.

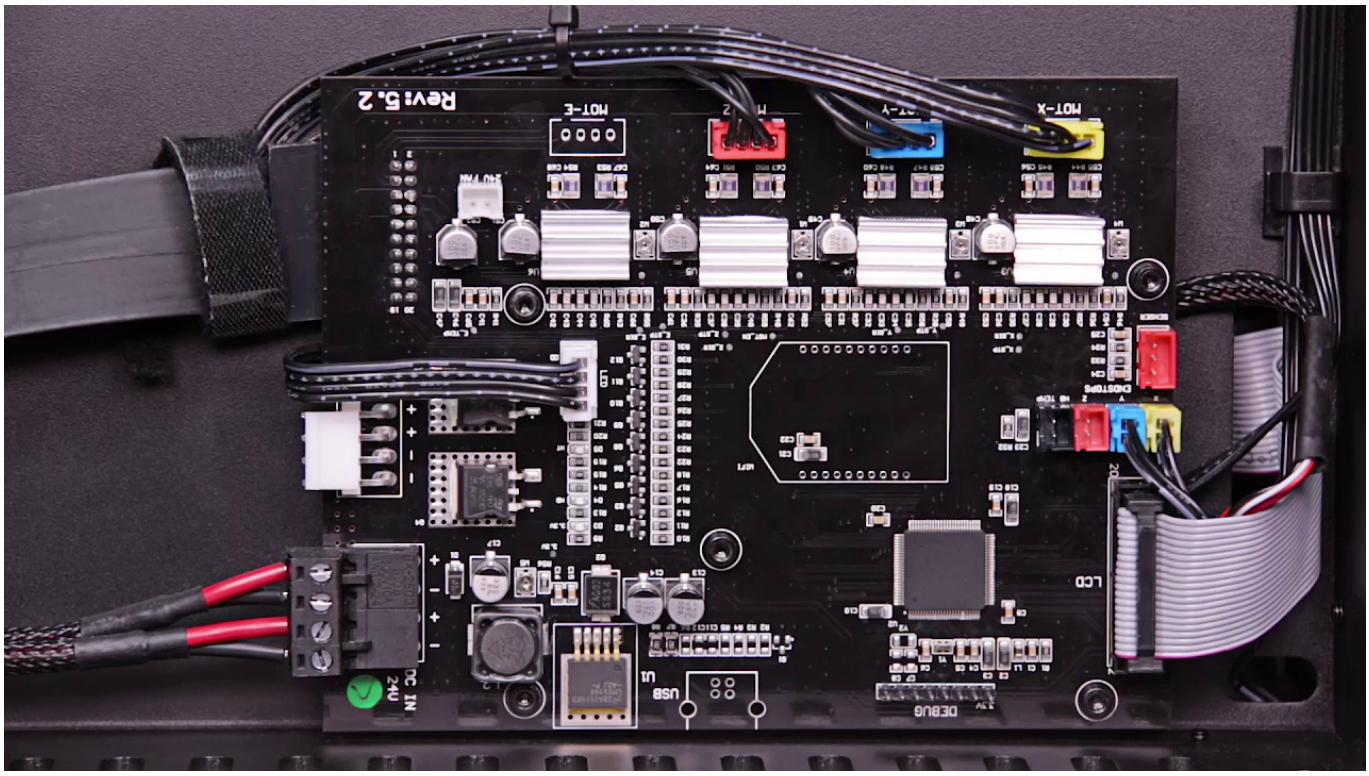
Heatbed Cable Installation



Take the new cable and pass one end (with the two connectors to be connected to the platform) through the hole next to the Z-axis screw. Pass the other end of the cable (with the two connectors to be connected to the motherboard) under the motherboard. Leave the third connector next to the motherboard.

Fasten the two extruder cable clamps.

Plugging the Cable into the Motherboard



Plug the cable into the motherboard.

Bottom Plate Installation

Plug the bottom fan cable into the motherboard and install the bottom plate.

Securing the Bottom Plate, part 1

Secure the bottom plate on one side of the housing. Use a 2.5mm Allen key.

Turning the Printer

Turn the printer over.

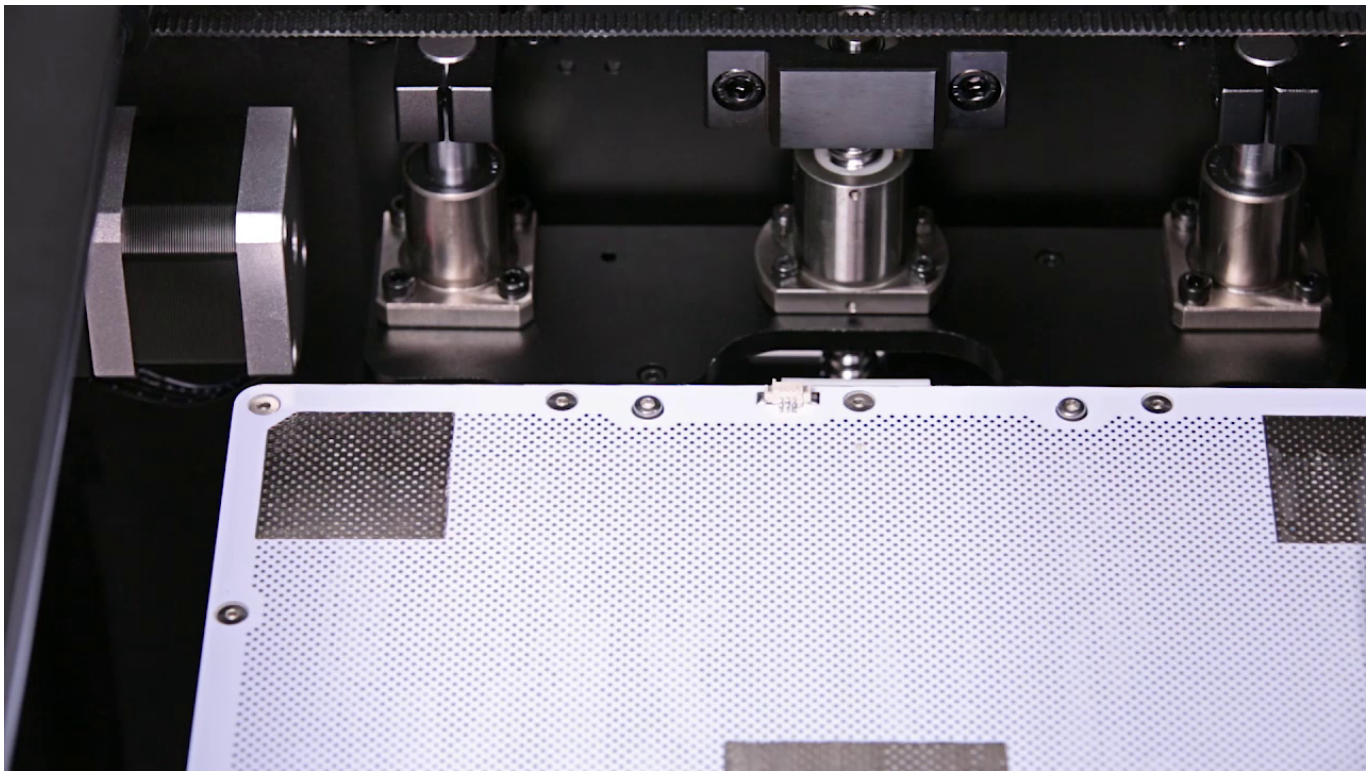
Securing the Bottom Plate, part 2

Secure the bottom plate on the other side of the housing. Use the same key.

Changing the Printer's Position

Grab the printer’s housing and set the printer upright.

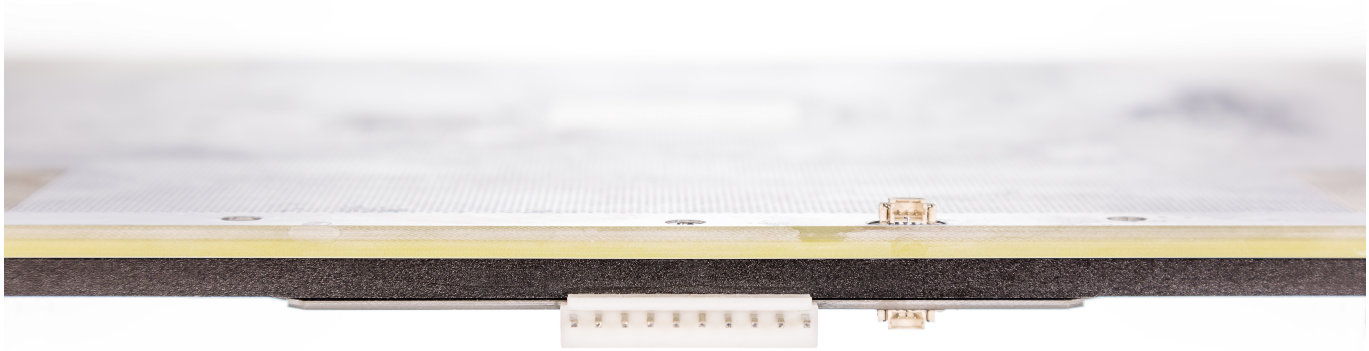
Plugging the Heatbed Cable

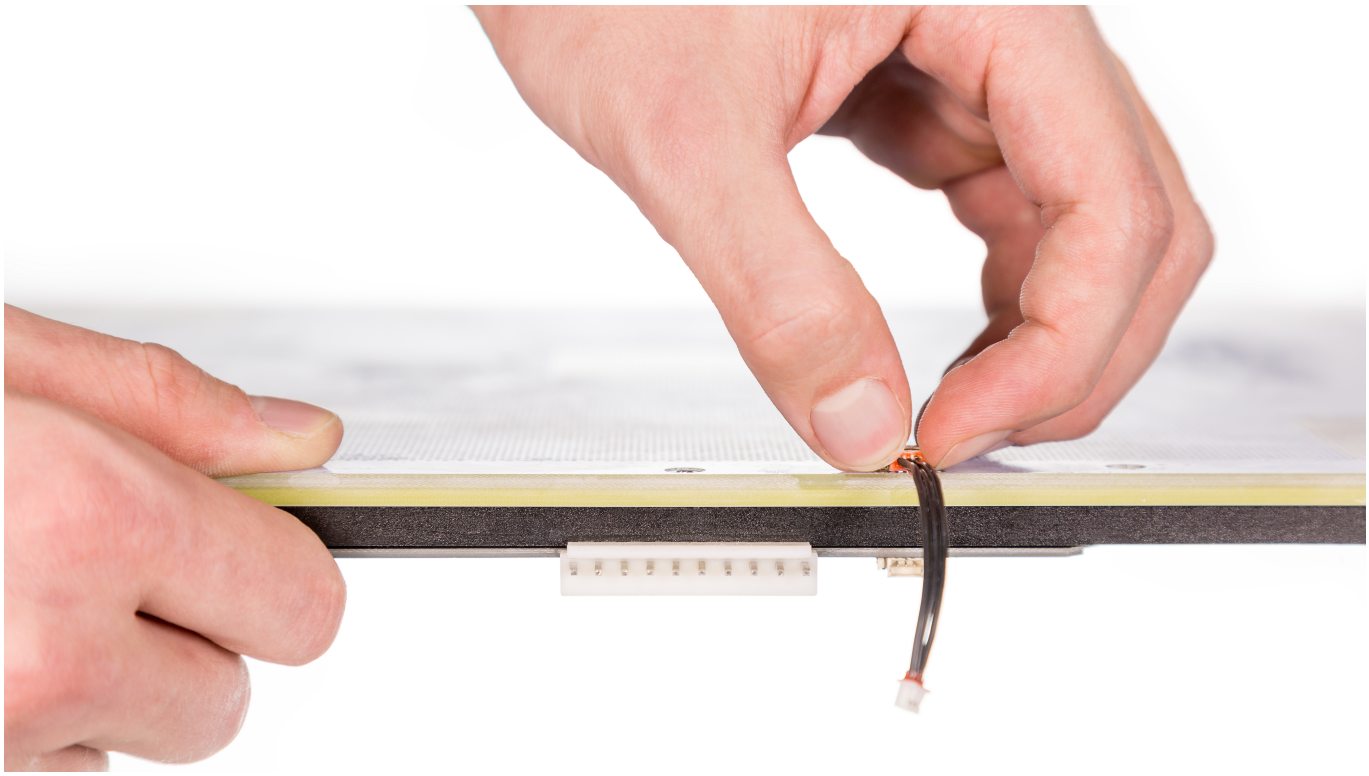


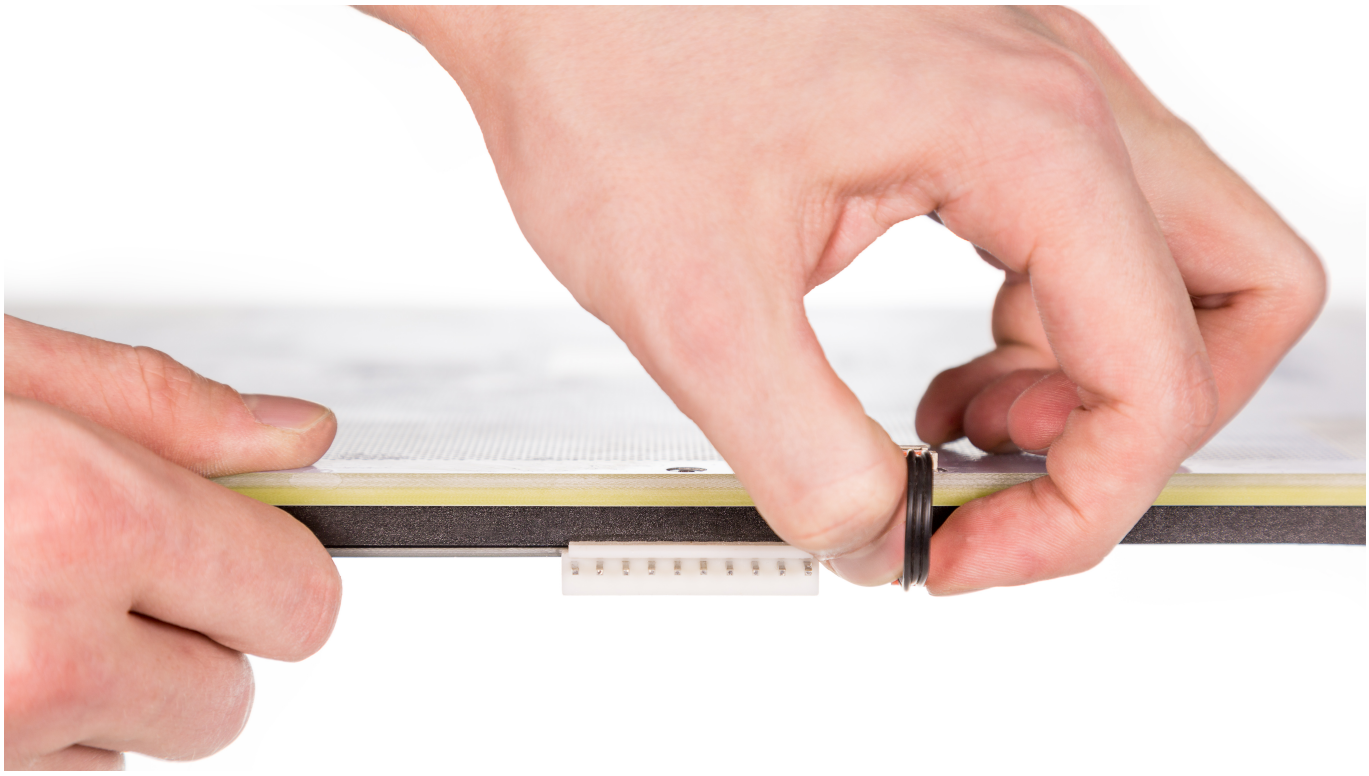
Plug the heatbed cable in. Both big and small connectors need to be plugged in.

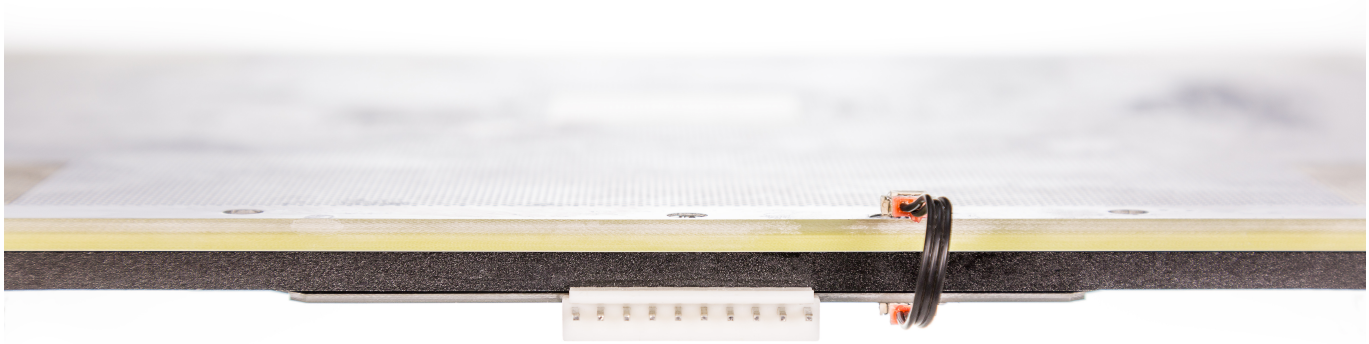
PLUGGING THE PERFORATED PLACE CABLE (M300)

During the M300 heatbed cable replacement, plug in the perforated plate cable on both sides of the platform.









Plugging the Power Cable

Plug the power cable in.

Moving the Platform down

From the menu choose “Maintenance” and then “Move the platform down.” Keep the knob pressed to move the platform to the very bottom.