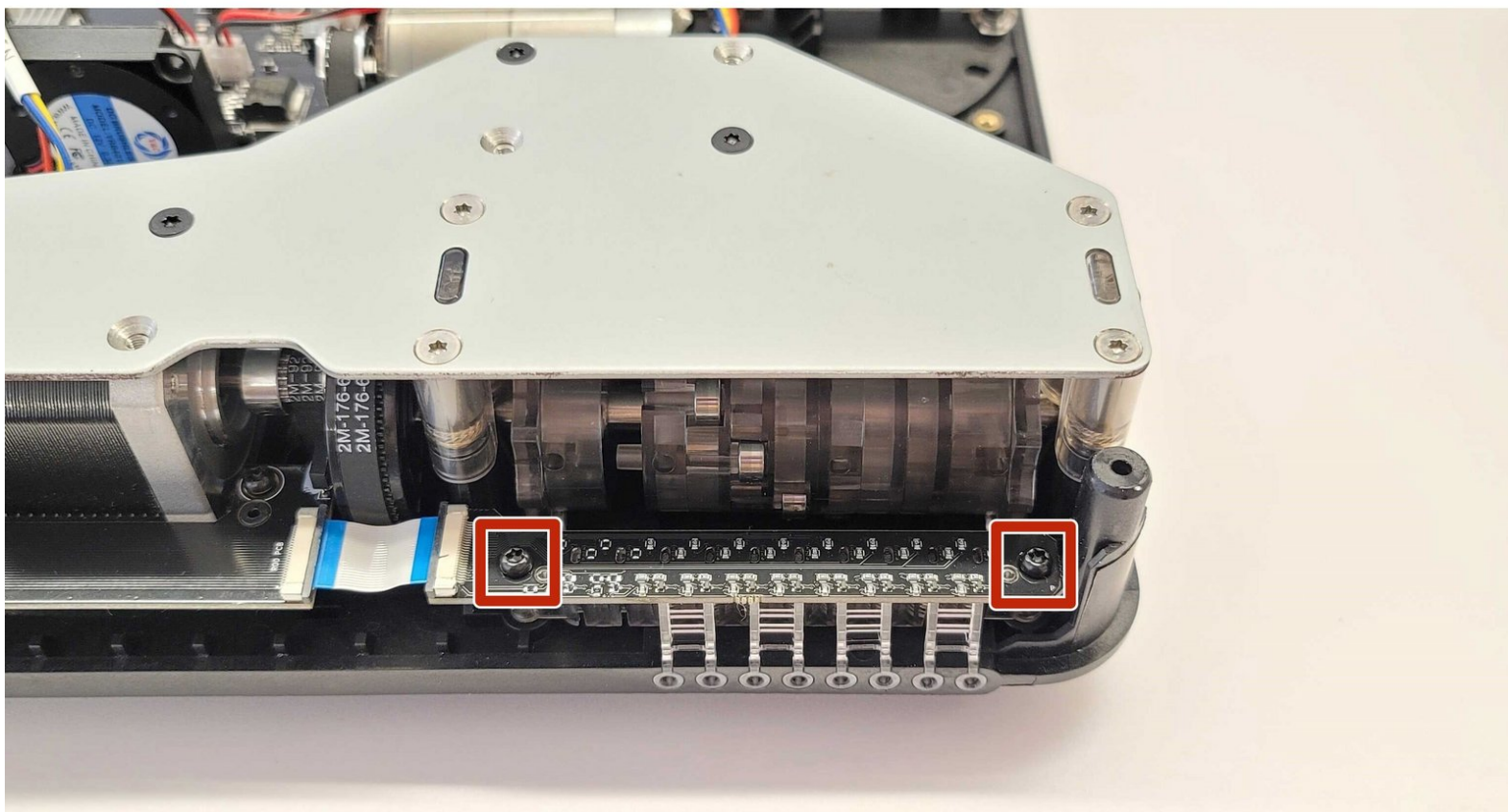




Replacing the Ingoing Drive Board

How to replace the ingoing drive board inside Palette 3 (Pro).

Written By: Mosaic Support



INTRODUCTION

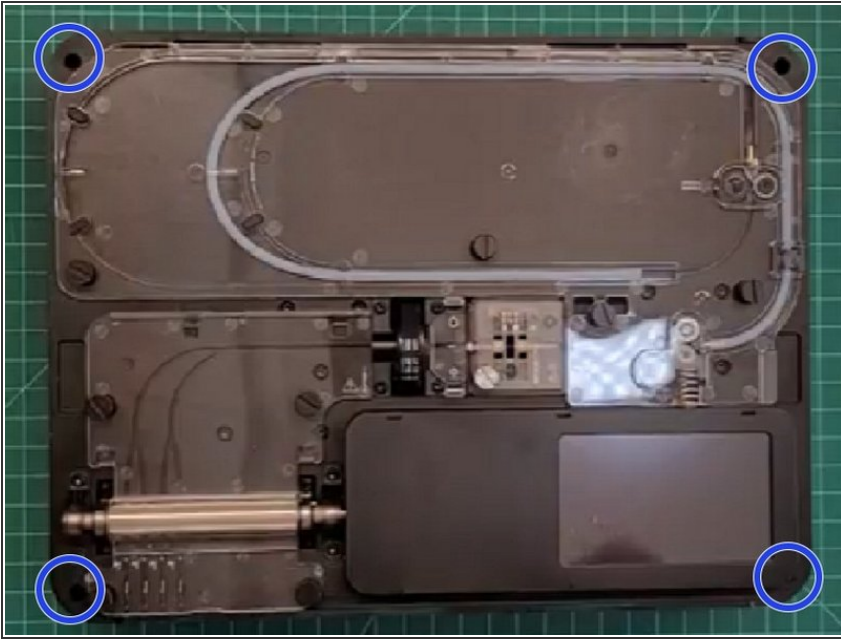
The ingoing drive board on Palette 3 (Pro) is used for the filament inputs. If you find that a filament input is not responding to filament contact, this board may require replacement. Use [x-ray mode](#) to test each of the filament inputs and take note of any inputs that do not change its status.



TOOLS:

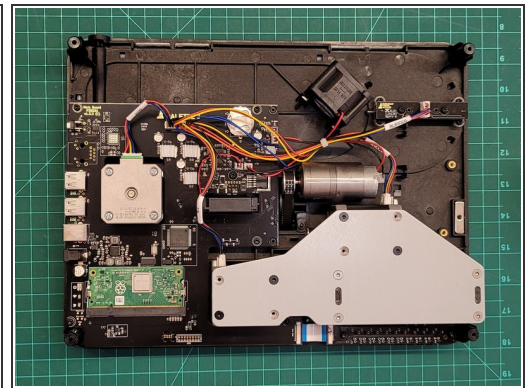
- [Torx Screwdriver](#) (1)
-

Step 1 — Removing the top portion



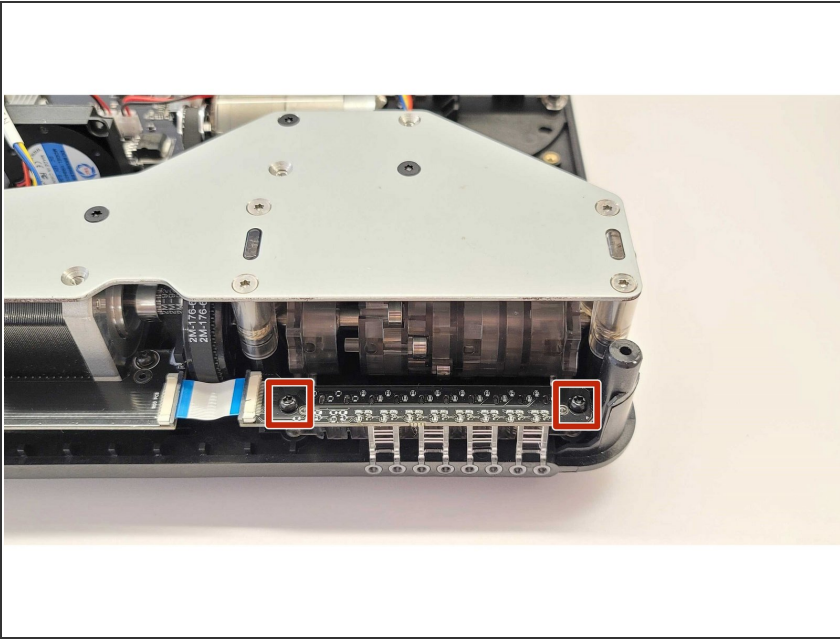
- Remove Palette's top lid.
- Using the provided Torx screwdriver, remove the 4 screws on each corner of the substructure.

Step 2 — Isolating the substructure



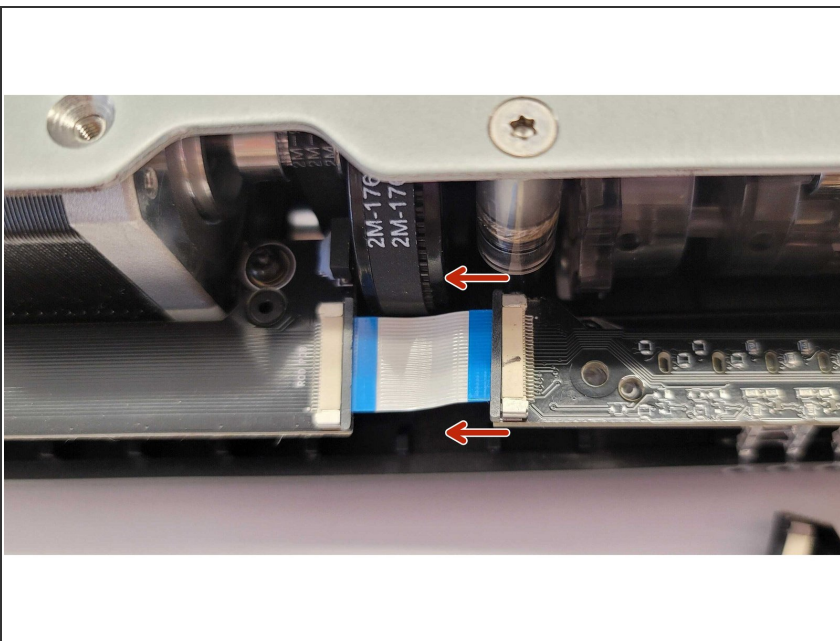
- Remove the IO plate cover from the unit, by pulling the tab on the Ethernet port. The IO plate cover is snap-fit to the unit and can be placed back easily.
- Gently lift and remove the substructure from the bottom casing.
- You'll now be able to replace the main board, fans, and other components.

Step 3 — Remove screws holding Ingoing Drive PCBA in place



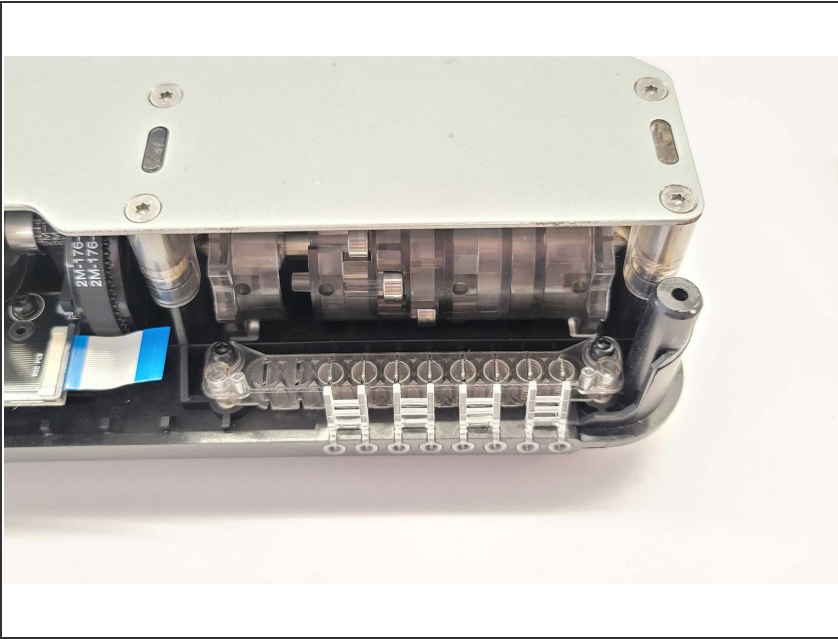
- Use the provided Torx screwdriver to remove the two screws holding the board in place.

Step 4 — Remove ribbon cable between Ingoing Drive PCBA and Main PCBA



- Gently push the black tab on the connector towards the left to release the ribbon cable.
- Remove the old ingoing drive PCBA.

Step 5 — Place the new Ingoing Drive PCBA



- Place the new ingoing drive PCBA into place, with the cable connector towards the left. Align the holes for the screws so they can be re-inserted into place.
- Insert the ribbon cable back into the new ingoing drive PCBA. Once the cable is inserted, push the black tab towards the right to secure in place.

Step 6 — Reassembly and test inputs



- Place the substructure back into place, and screw the mounting screws back.
- Power on the unit, and use [x-ray mode](#) to test each input. Each input should change its status when filament makes contact with the metal switches.

If you have any questions, please don't hesitate to contact us at support@mosaicmfg.com.