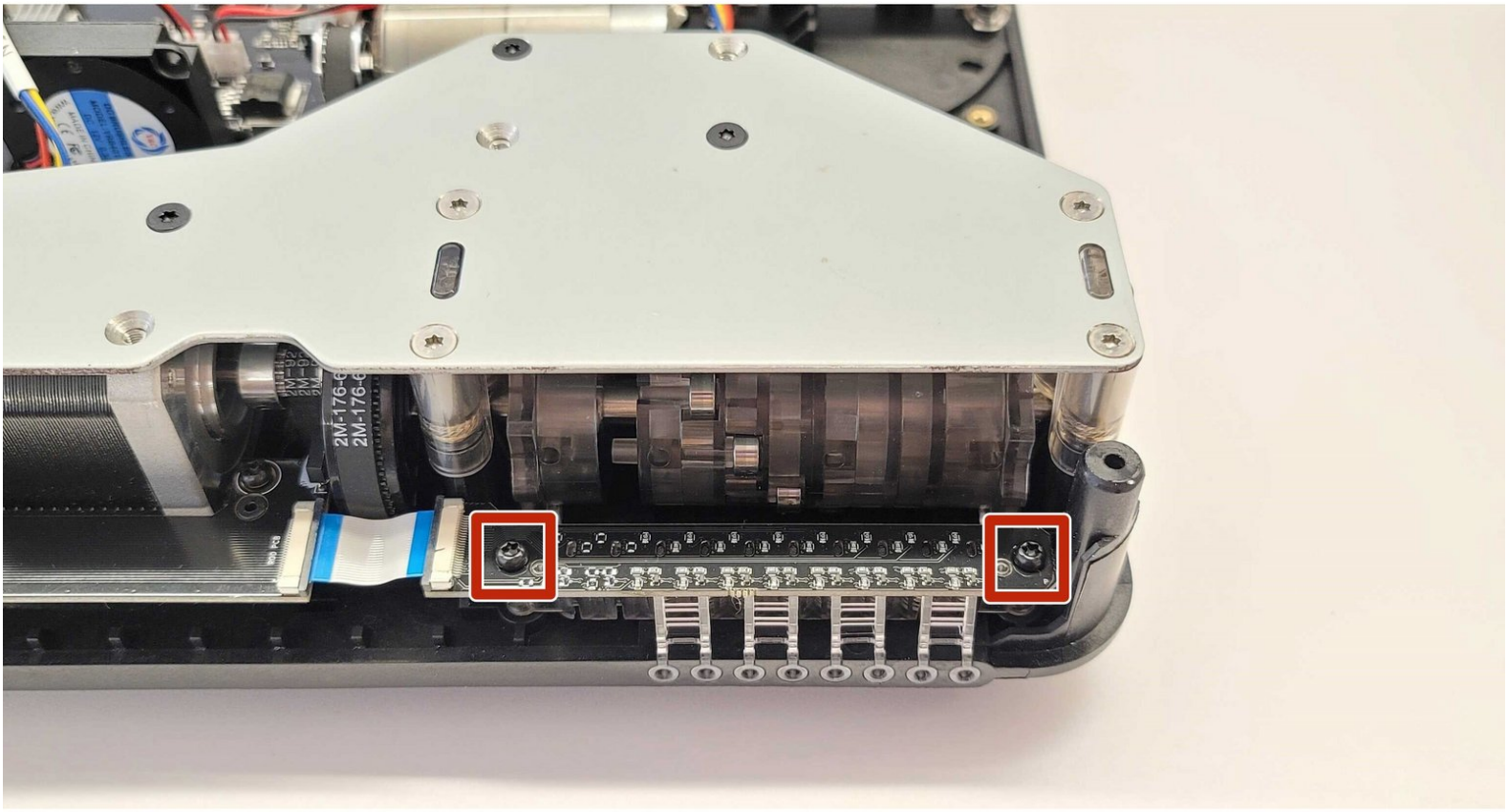
Replacing the Ingoing Drive Board

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

Written By: Mosaic Support



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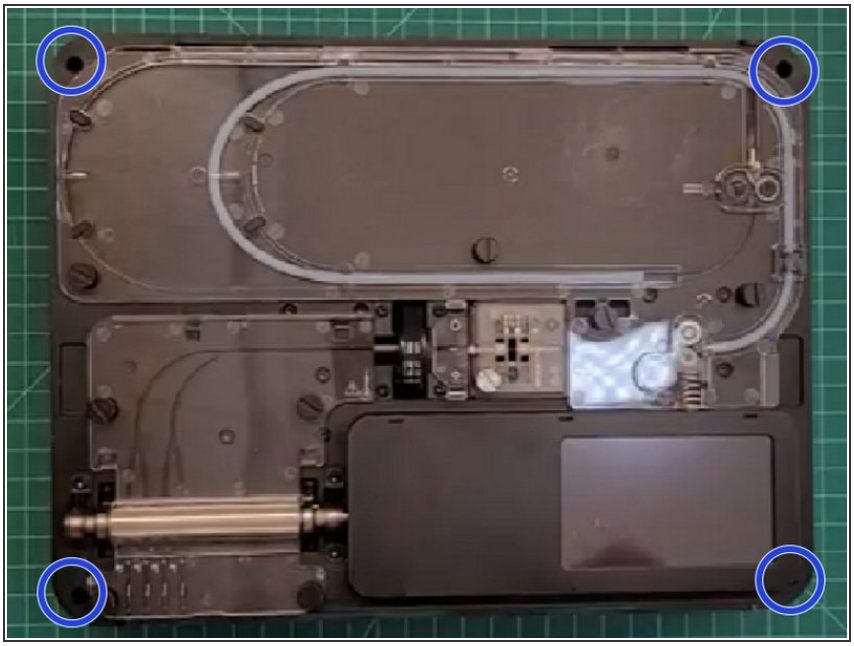
INTRODUCTION

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

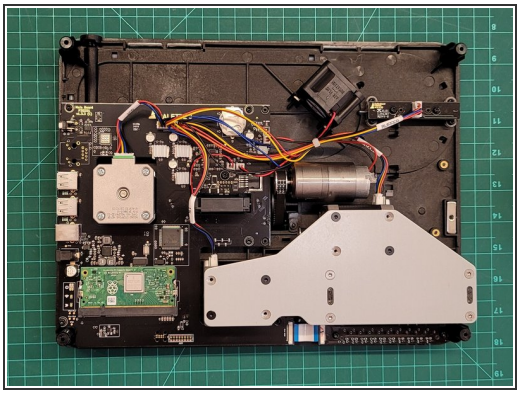


- Remove Palette's top lid.
- Using the provided Torx screwdriver, remove the 4 screws on each corner of the substructure.

Step 2 — Isolating the substructure



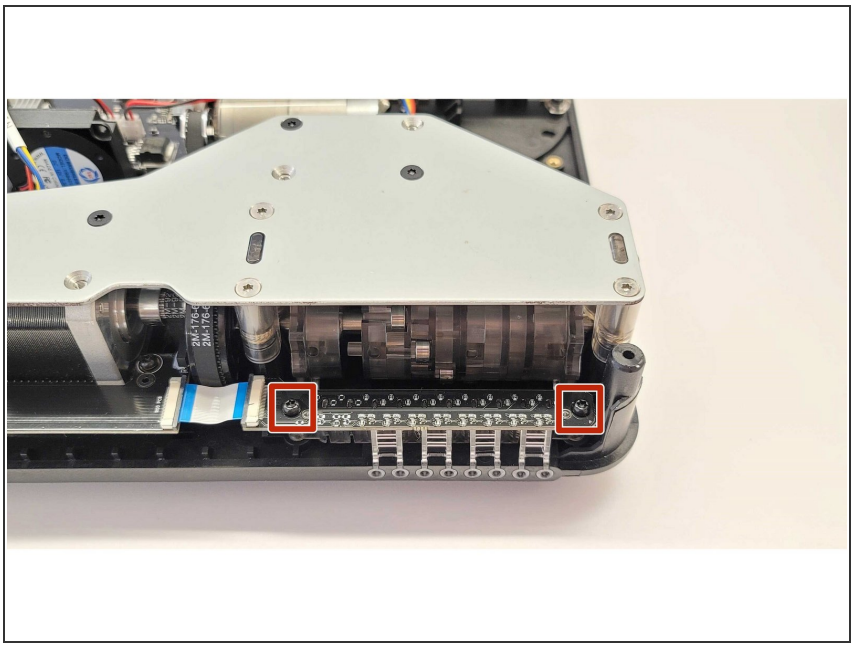




- Remove the IO plate cover from the unit, by pulling the tab on the Ethernet port. The IO plate cover is snap-fit to the unit and can be placed back easily.
- Gently lift and remove the substructure from the bottom casing.
- You'll now be able to replace the main board, fans, and other components.

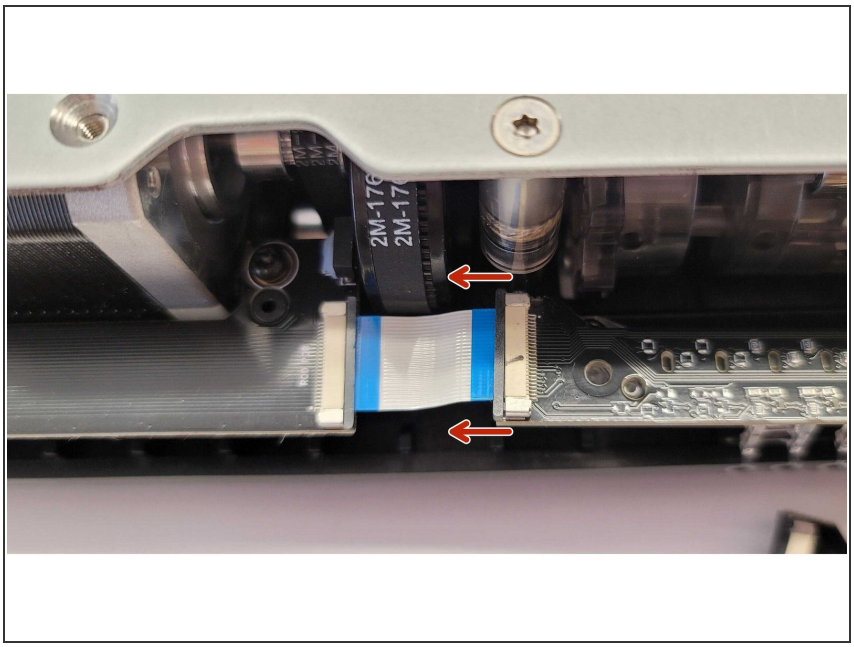
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Step 3 — Remove screws holding Ingoing Drive PCBA in place



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

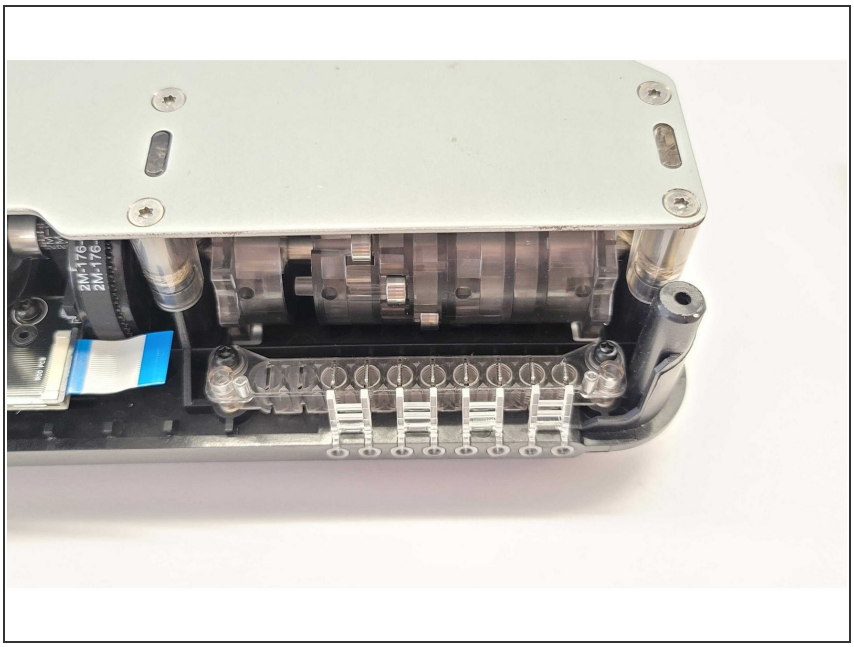
Step 4 — Remove ribbon cable between Ingoing Drive PCBA and Main PCBA



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

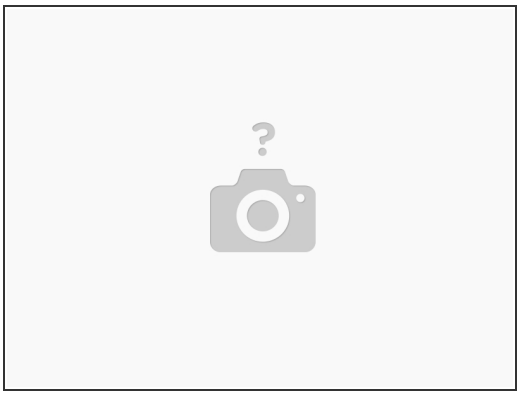
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Step 5 — Place the new Ingoing Drive PCBA



- 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.