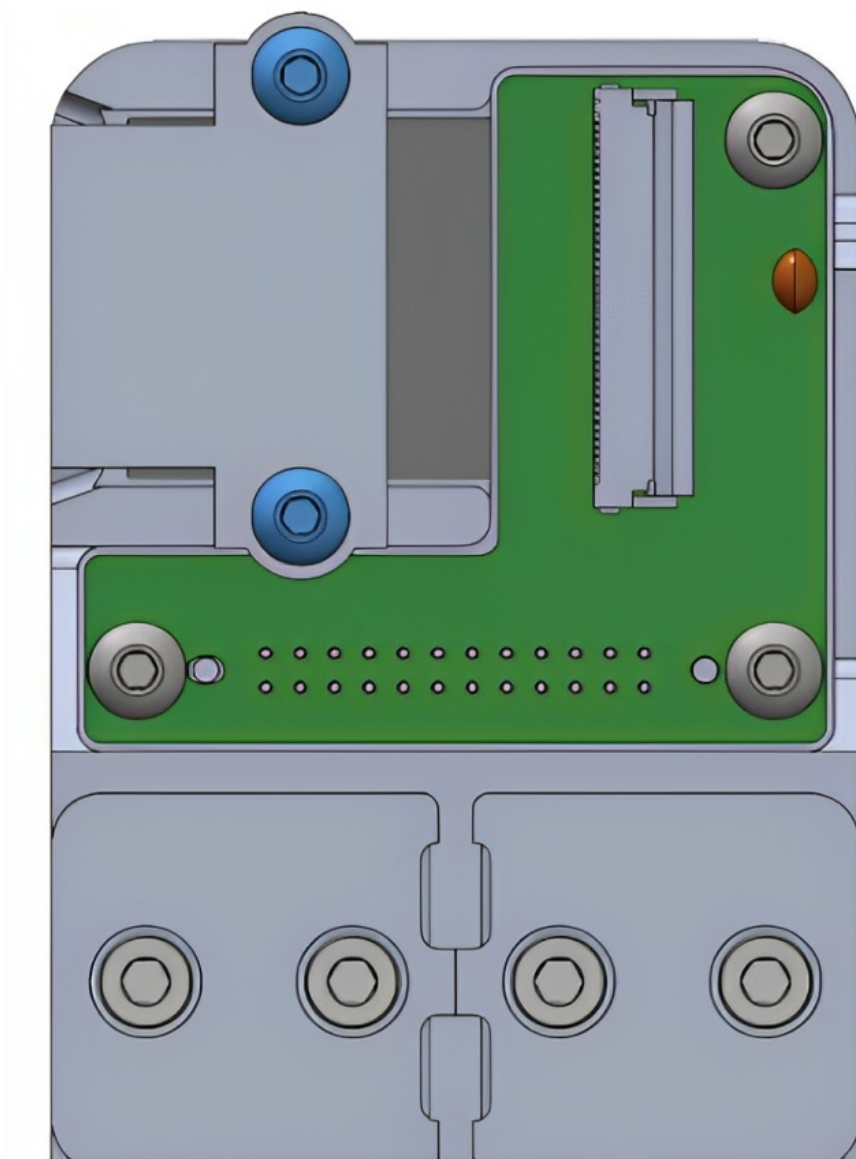




Fixed End PCB Replacement

How to replace the Printed Circuit Board (PCB) in the Fixed End.

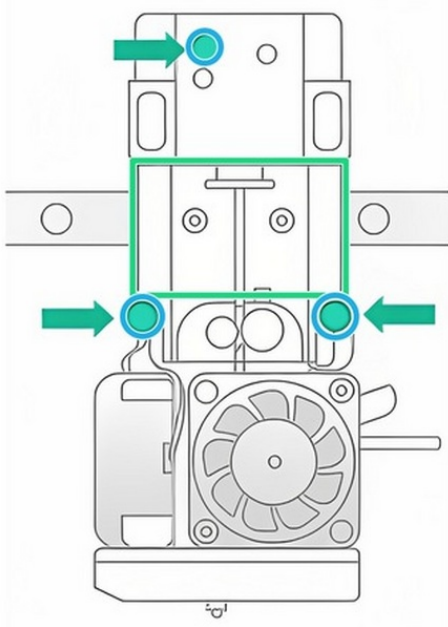
Written By: Guy Elston



INTRODUCTION

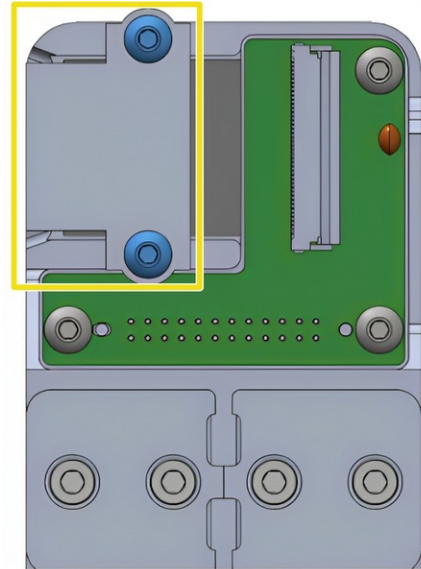
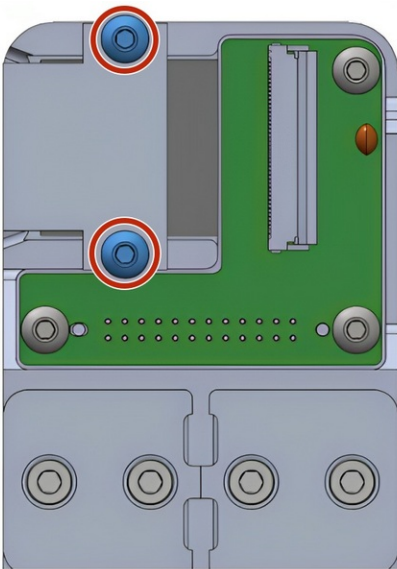
This guide shows how to replace the Printed Circuit Board (PCB) in the Fixed End.

Step 1 — Remove Print Head



- Power off Element and remove the power plug
- For ELA units, remove the bolts on the top panel and remove the panel. For desktop Element units, remove the top lid
- Remove the Print Head from the Fixed End, following Step 2 in [this guide](#)

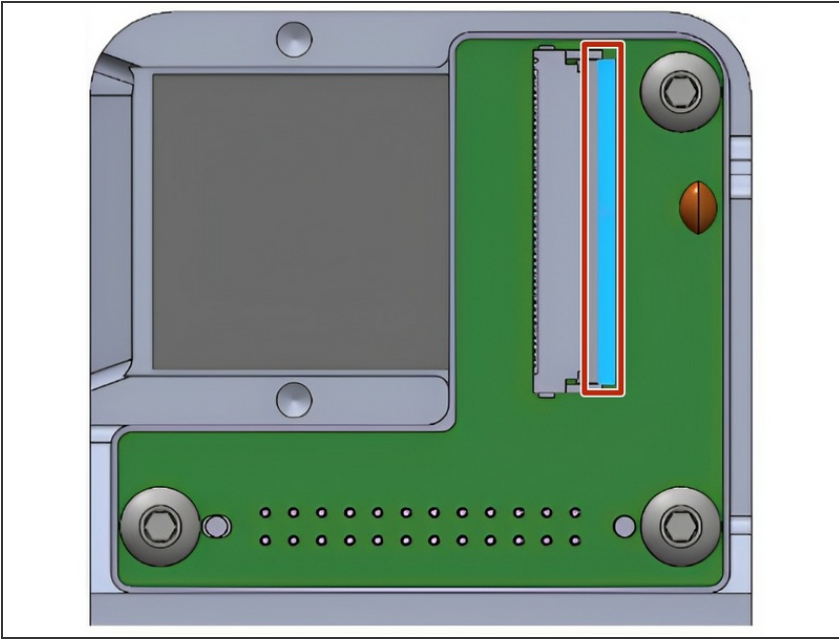
Step 2 — Remove FFC Clamp



- Move the Fixed End to a location on the printer where you will be able to access the screws on the rear side of the Fixed End Assembly
- Remove the two M3x5mm button head screws
- Remove the clamp above the FFC (flexible flat cable)

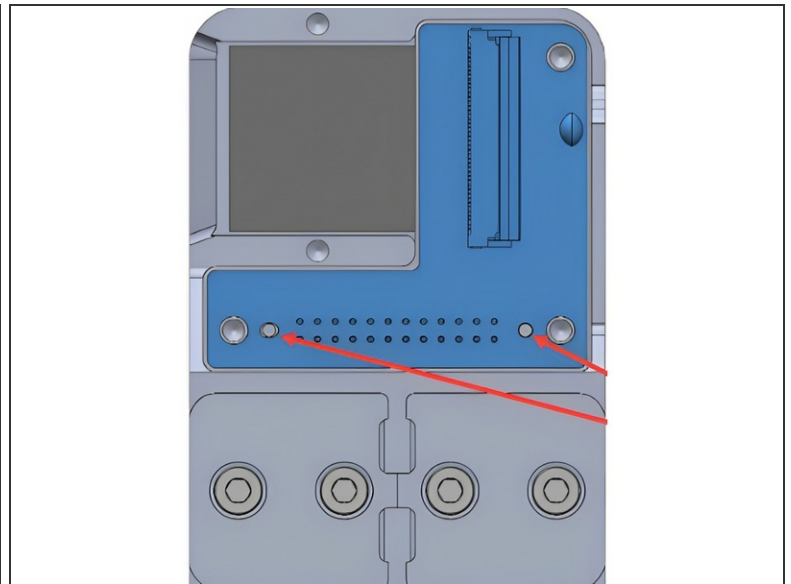
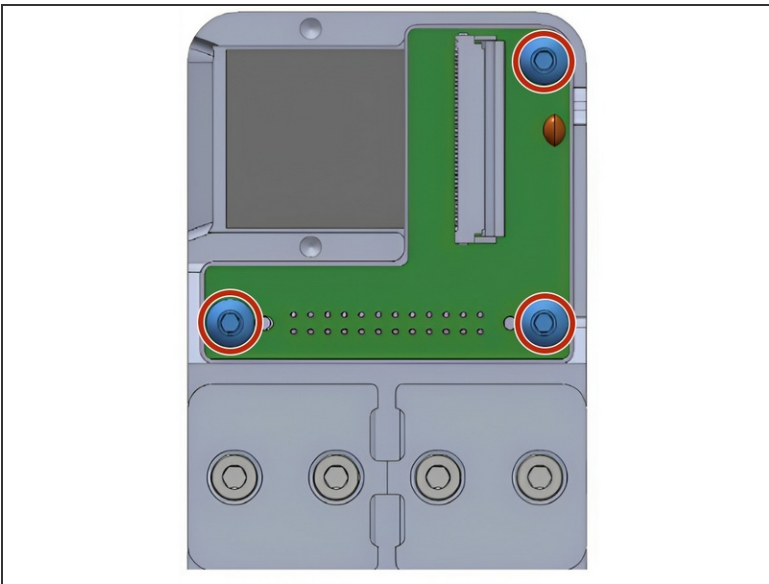
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Step 3 — Remove FFC



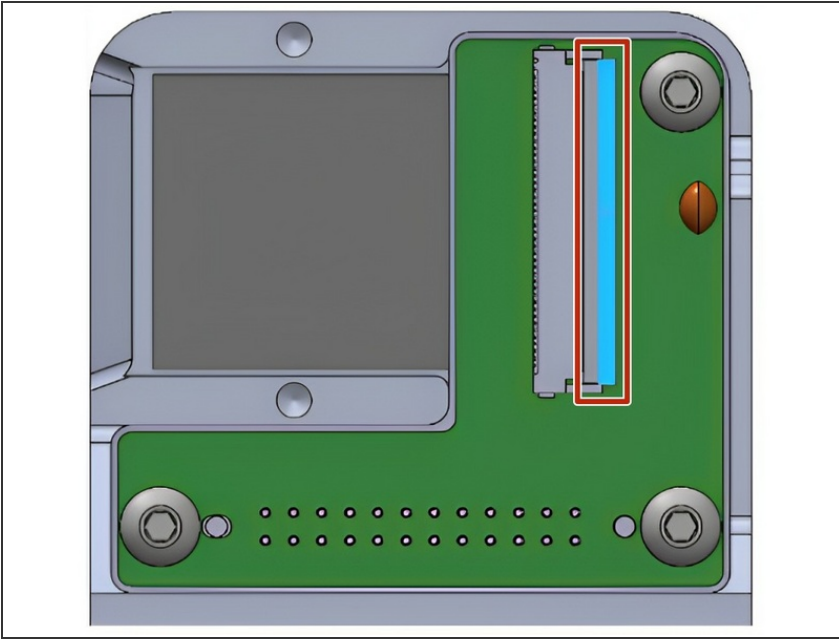
- Flip the black plastic clip on the Fixed End PCB to the open position
- Gently pull the FFC out of the connector. Be very careful not to bend the pins (if there is resistance during this step, ensure the clip is fully disengaged)

Step 4 — Remove PCB



- Remove the three M3x5mm button head screws
- Remove the Fixed End PCB from the Fixed End Mount. There are two locating pins near the bottom of the board, be careful with these when removing the board

Step 5 — Install Replacement PCB



- Screw the replacement PCB into place, and complete the above steps in reverse order
- **NOTE:** When installing the FFC into the PCB, ensure that the black plastic clip is open, so that the FFC can slide in without resistance. **Do not use force to overcome any resistance.**
- Ensure that the FFC is fully pressed in, and perpendicular to the clip, so that the electrical connections line up. You can then latch the black plastic clip down
- Reinstall the FFC clamp and Print Head. For ELA units, reinstall the top panel

Contact Mosaic support at support@mosaicmfg.com