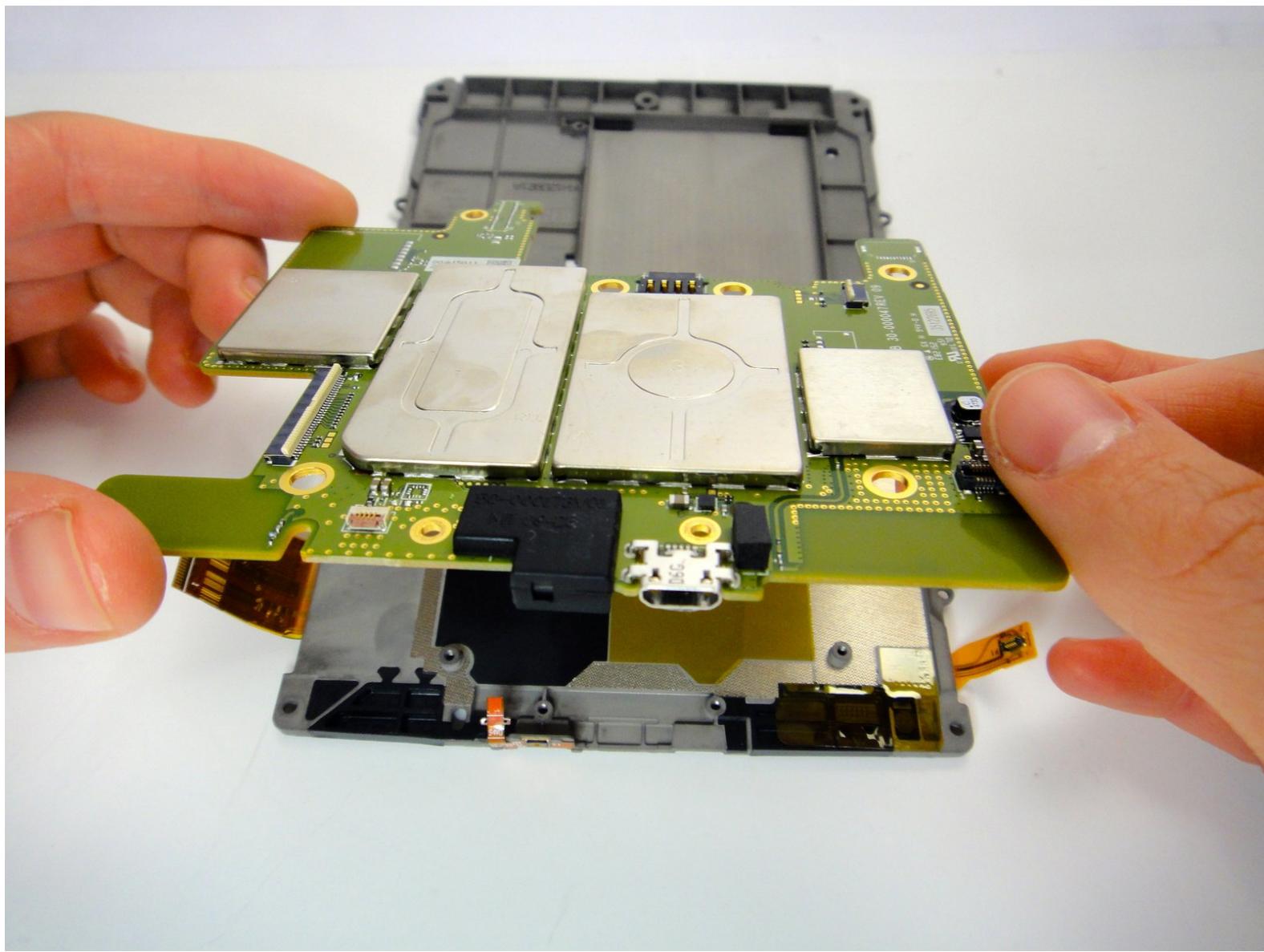




Kindle Paperwhite 1st Generation Motherboard Replacement

How to disassemble a Kindle Paperwhite in order to replace the motherboard.

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INTRODUCTION

Replace your Kindle's old motherboard with a new one.

TOOLS:

- [Phillips #2 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Heavy-Duty Spudger](#) (1)

Step 1 — Case



- Using a spudger or plastic opening tool, gently pry the bezel from the screen. It is easier to start in the corners and work your way around the bezel.

 Do not insert the spudger too far under the bezel; it could easily damage the screen.

Step 2



- Remove the eleven 3.0 mm Phillips screws surrounding the midframe.
- At the top of the display, a strip of black tape covers one screw.

Step 3



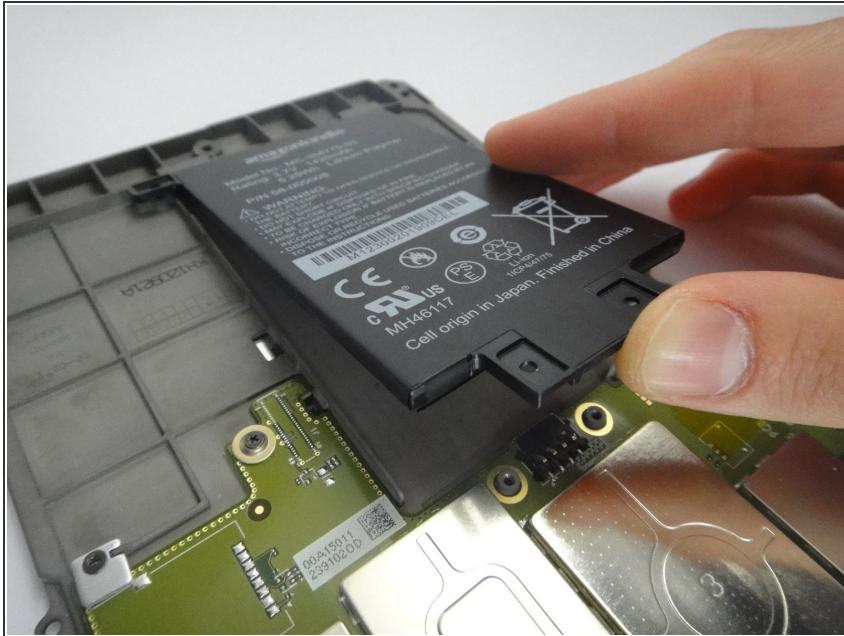
- Lift the midframe out of the case.
- *i* If the midframe is stuck, slide it to the left first, and then lift it out.

Step 4 — Battery



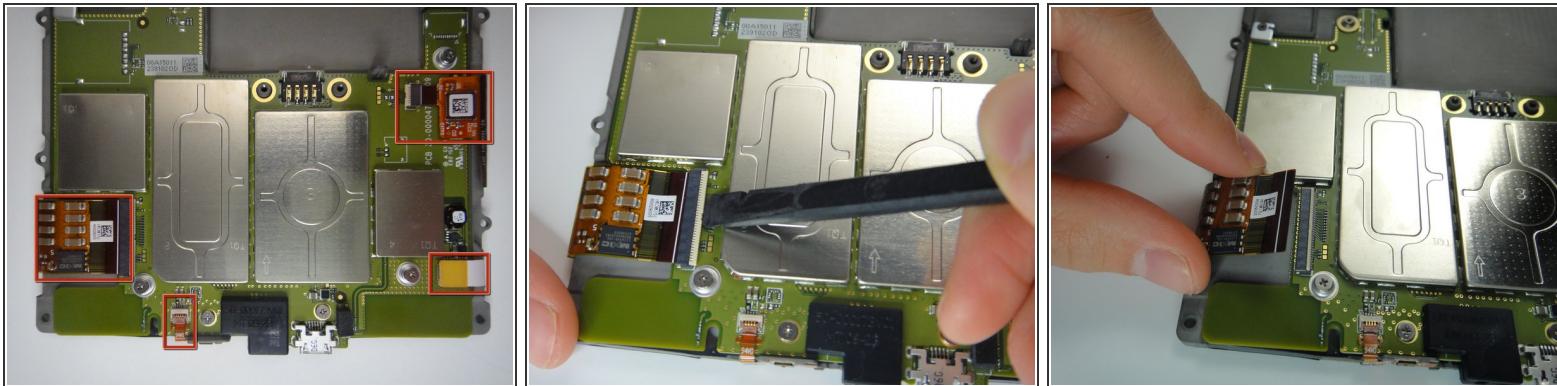
- Turn over the midframe to locate the battery.
- Remove the three Phillips 3.0 mm screws securing the battery to the midframe.

Step 5



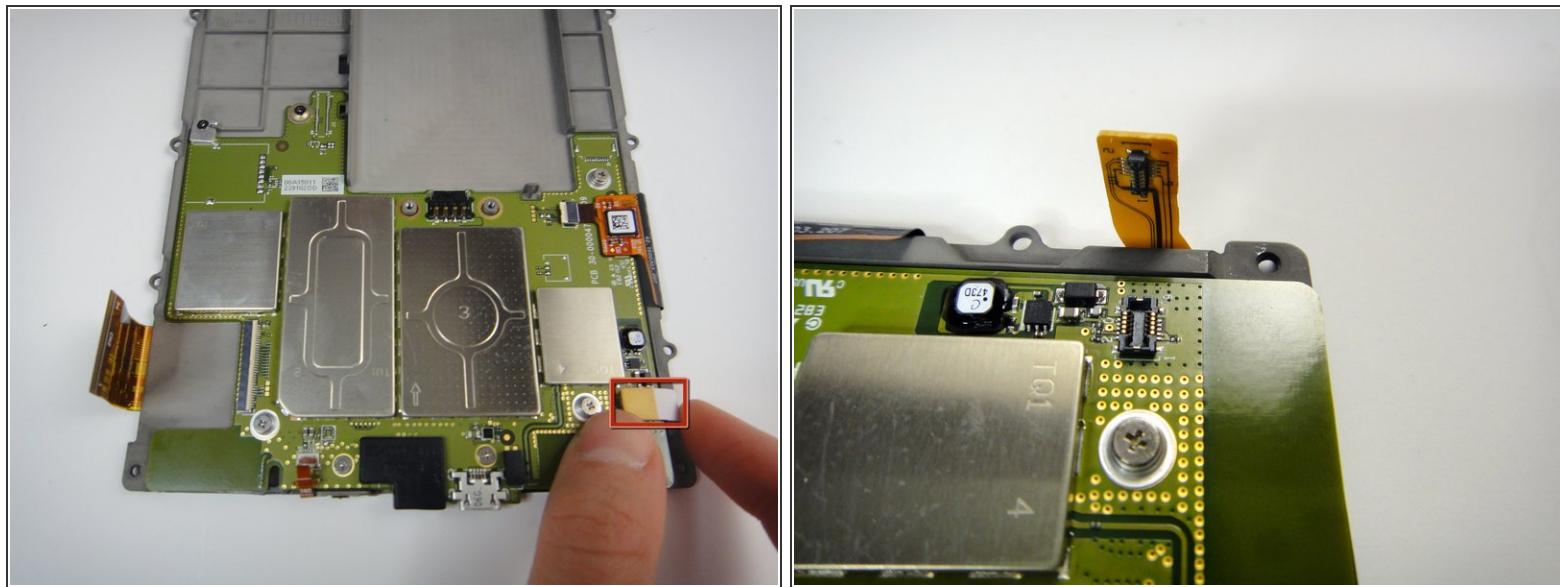
- Gently lift the battery from the bottom, and slide it out of the midframe.

Step 6 — Motherboard



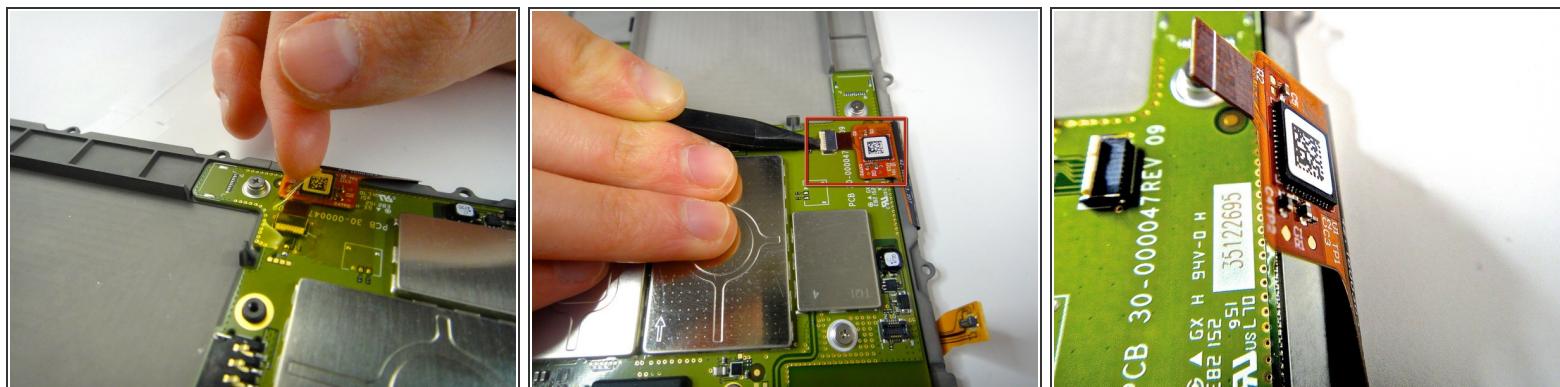
- With the case and battery removed from the midframe, begin removing all cables attached to the motherboard.
- Place the device so the midframe's backside faces up. Start with the cable on the bottom left corner.
- Use a spudger to lift up the white locking cable tensioner and slide the flex cable out.
- Proceed counterclockwise to the next cable and repeat. Small flex cable on the bottom won't need cable tensioner lifted, just carefully pull out.

Step 7



- Remove the white flex cable by gently lifting the yellow plastic connector.

Step 8



- Remove the yellow anti-static tape from the display ribbon cable connector.
- Use a spudger to lift up and disconnect the cable tensioner.

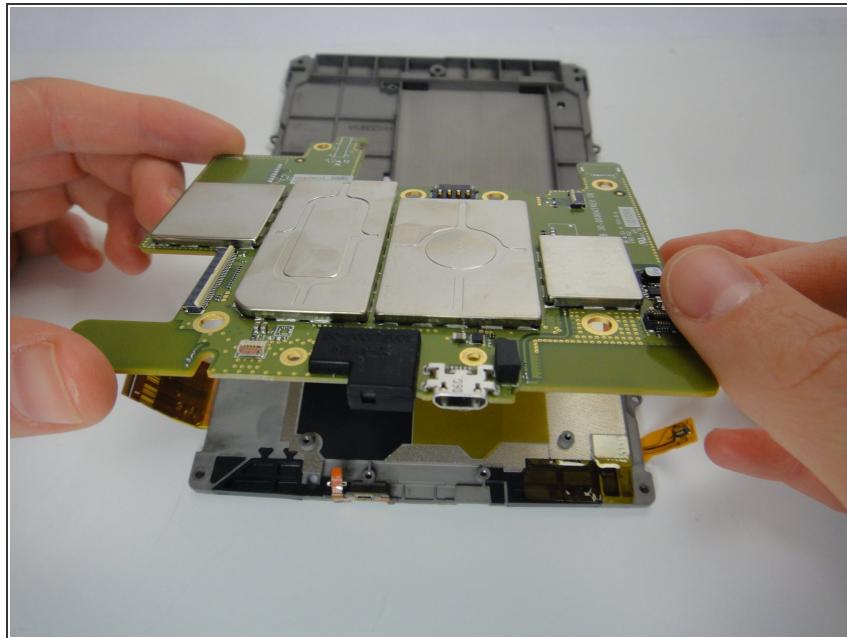
Step 9



Use a Philips screwdriver to remove the seven 3.0 mm Phillips screws securing the motherboard:

- Three silver screws with silver washers
- Two silver screws with no washers
- One black screw with a golden washer
- One black screw with a square washer

Step 10



- Remove the motherboard.

To reassemble your device, follow these instructions in reverse order.