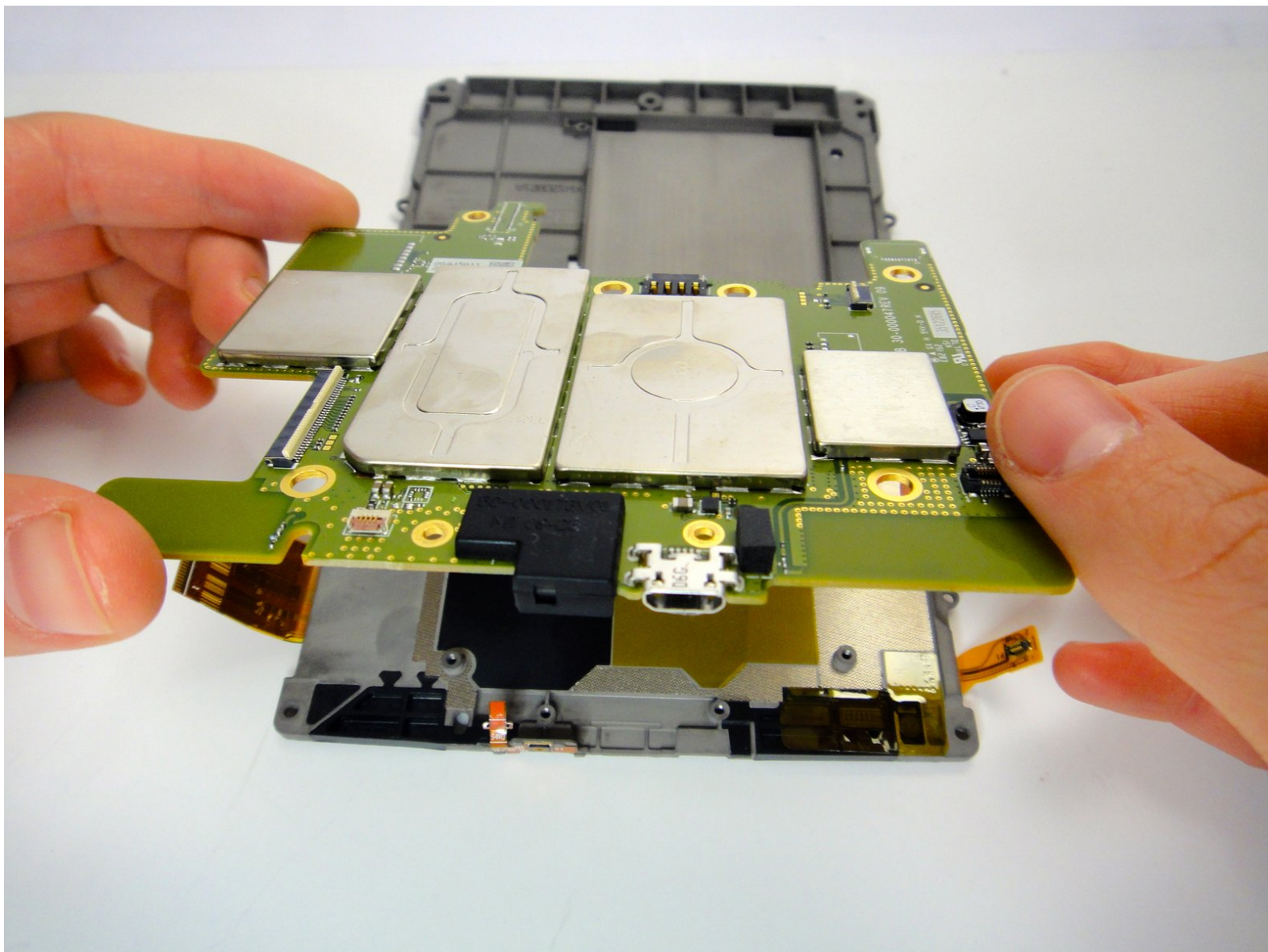




# Kindle Paperwhite 1st Generation Motherboard Replacement

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

Written By: Isabelle Burgess



---

# 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.
- ❗ If the midframe is stuck, slide it to the left first, and then lift it out.

## Step 4 — Battery



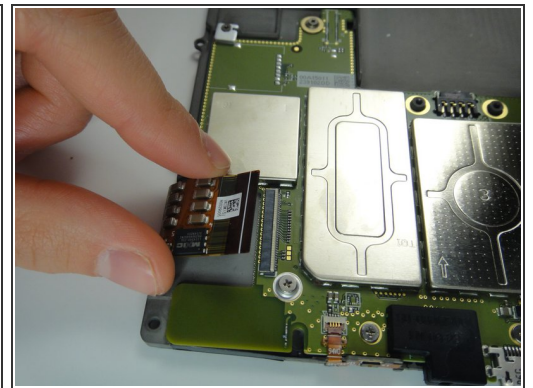
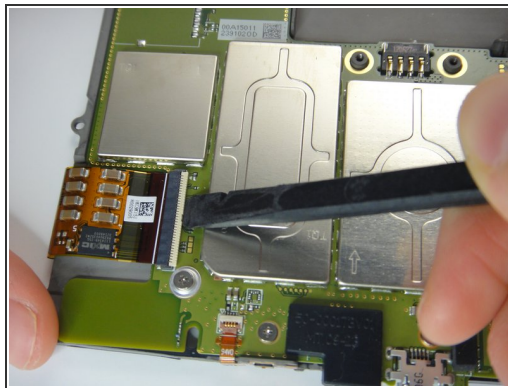
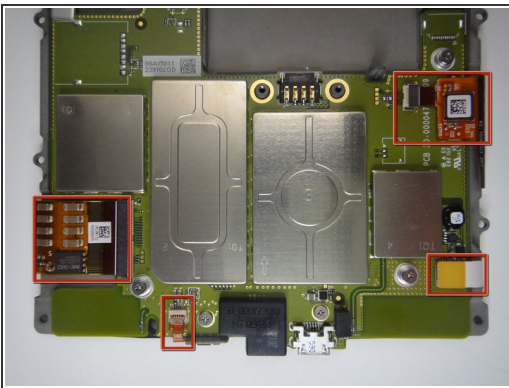
- Turn over the midframe to locate the battery.
- Remove the three Phillips 3.0 mm screws securing the battery to the midframe.

## Step 5



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

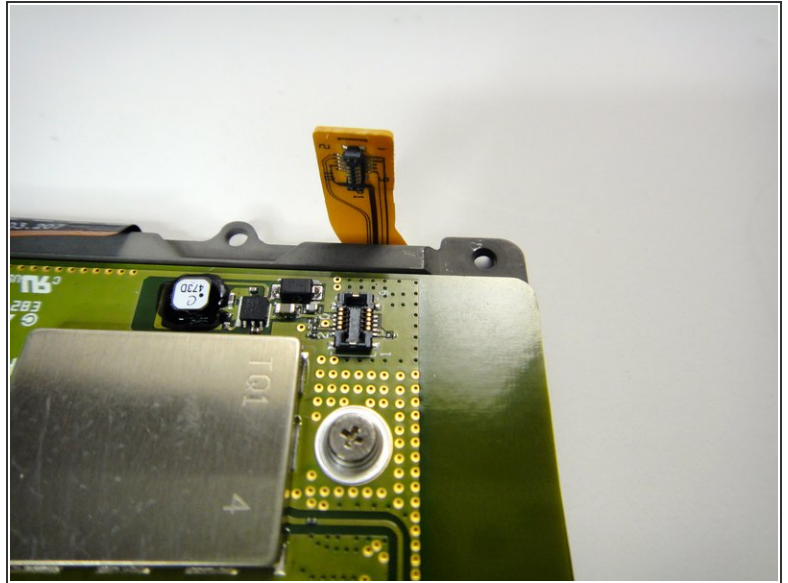
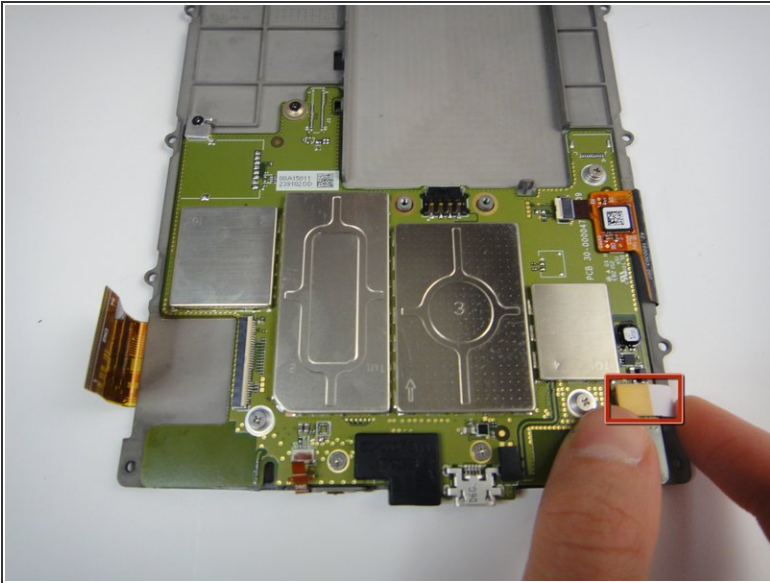
## Step 6 — Motherboard



- ① With the case and battery removed from the midframe, begin removing all cables attached to the motherboard.
- ① 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.

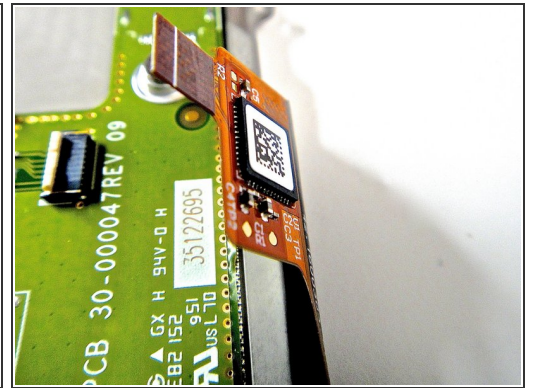
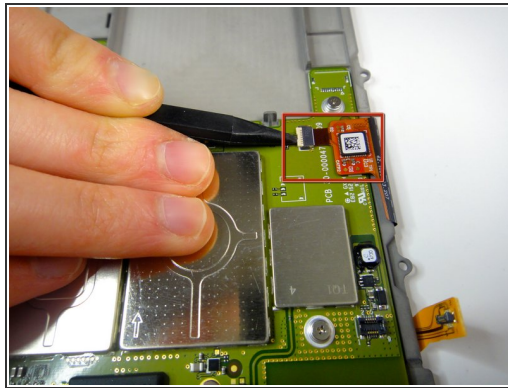
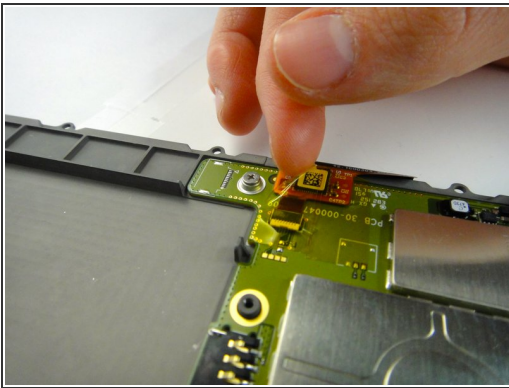


## Step 7



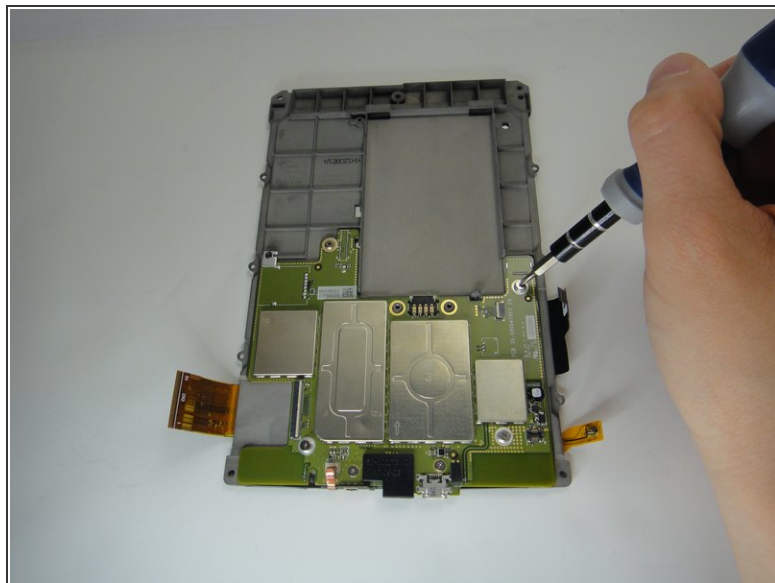
- Remove the white flex cable by gently lifting the yellow plastic connector.


## 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.

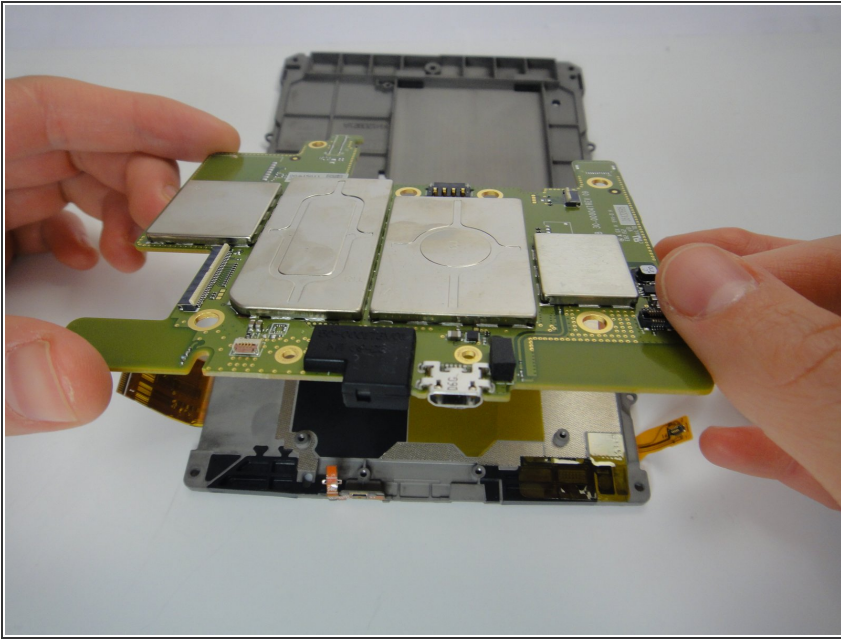
## Step 9



 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.