



# Amazon Kindle Paperwhite 7th Generation Repairability Assessment

Amazon Kindle Paperwhite repairability assessment performed on January 5, 2017.

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## INTRODUCTION

We took apart the Kindle Paperwhite 3 (7th Generation) to find a simple constructions. The Paperwhite 3 comprises a e-ink screen, replaceable battery, and a single motherboard, earning it a respectable 8 out of 10 for repairability.

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### TOOLS:

- [Tweezers](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
  - [Spudger](#) (1)
  - [iFixit Opening Picks set of 6](#) (1)
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## Step 1 — Amazon Kindle Paperwhite 7th Generation Repairability Assessment



- Front and rear reference shot.

## Step 2



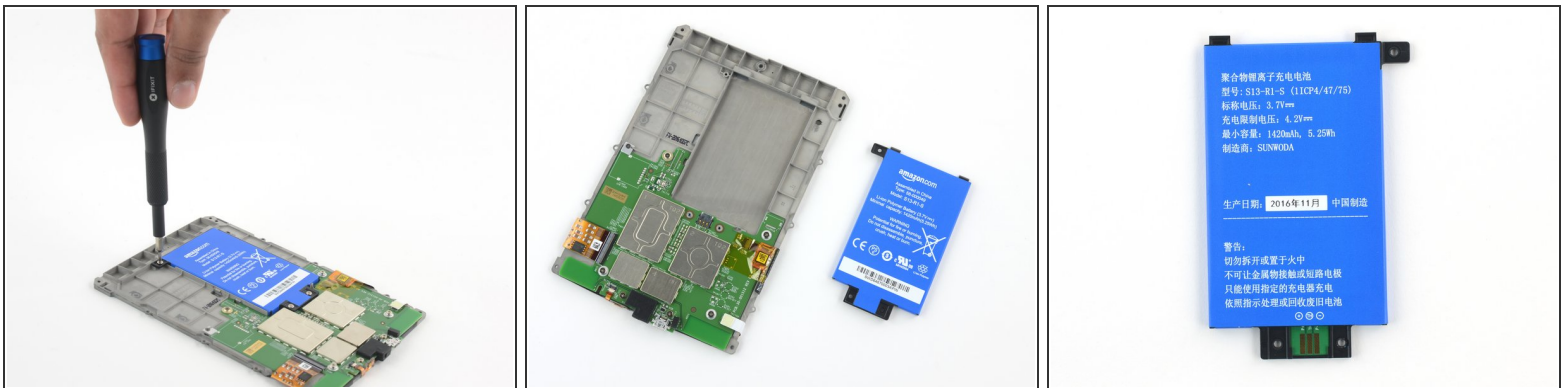
- Adhesive is holding the bezel in place.
- An opening pick and an iFixit opening tool were the only tools needed to remove the bezel.
- No heat was needed, yielding a moderately difficult opening procedure.

## Step 3



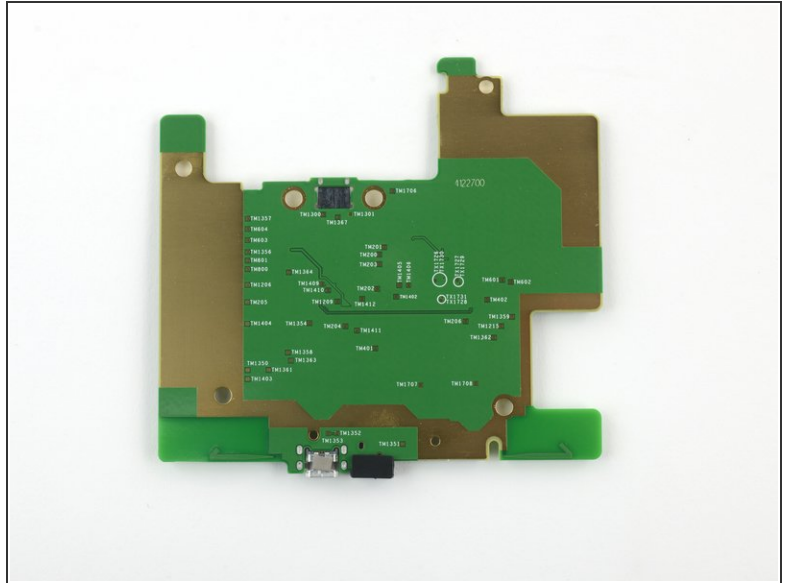
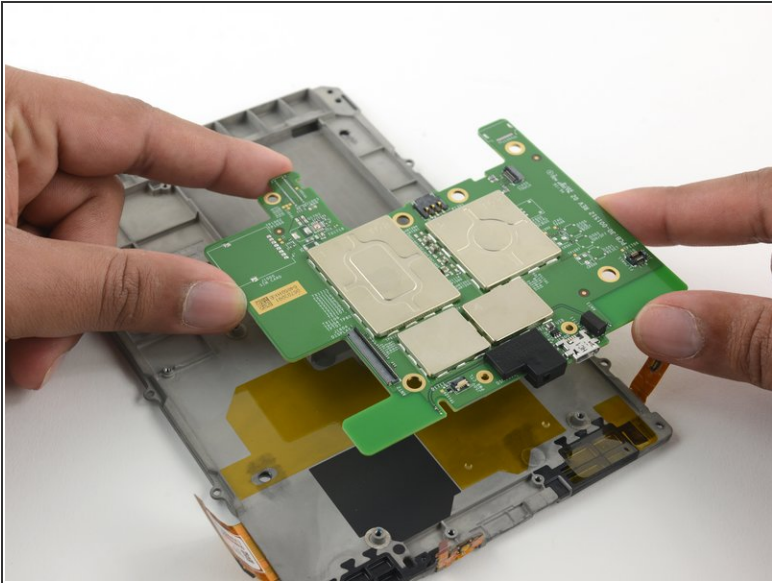
- There are 11 Phillips screws holding the midframe to the rear case. One of those screws is hidden underneath tape.
- Once the screws are out the midframe easily separates from the rear case.
- The battery and motherboard are connected to the rear case.

## Step 4



- Battery is held in place by three Phillips screws.
- Once the screws are removed, the battery can be removed by lifting from the bottom.

## Step 5



- The motherboard is held in by 5 Phillips screws.
- There are 3 ZIF connectors and 1 press connector that must be disconnected before removing the motherboard.

## Step 6



- The Amazon Kindle Paperwhite earns an **8 out of 10** on our repairability scale (10 is the easiest to repair):
  - The battery was very easy to remove.
  - All screws were Phillips #00 screws.
  - All components likely needing replacement were modular, except for the USB port.
  - Thin layer of adhesive that needed to be broken in order to remove the bezel and access the internal components.
  - Manufacturer does not provide user-accessible repair documentation.

This document was last generated on 2019-04-11 04:25:33 PM.