



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 construction. The Paperwhite 3 comprises a e-ink screen, replaceable battery, and a single motherboard, earning it a respectable 8 out of 10 for repairability.

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



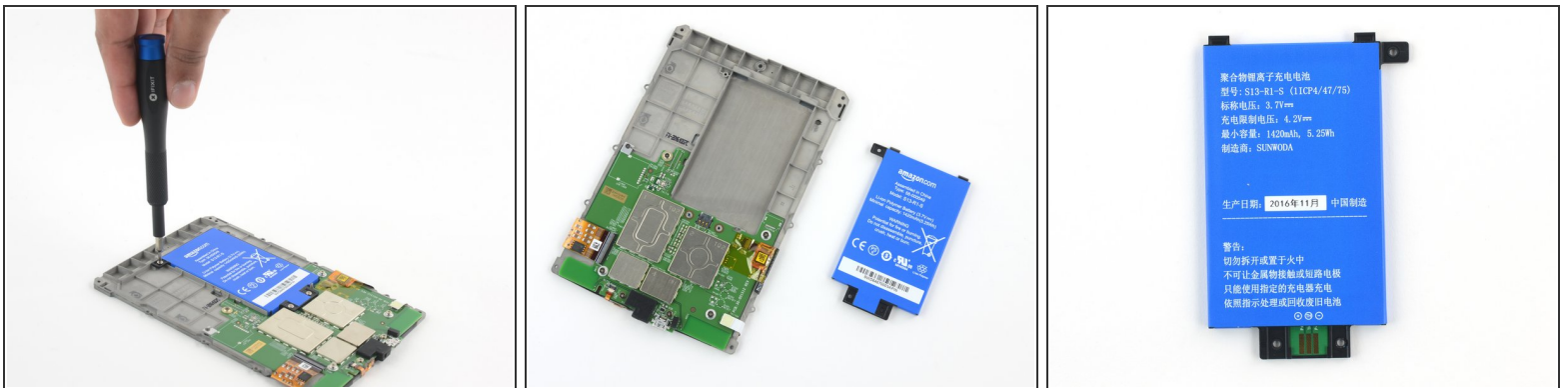
- Adhesive is holding the bezel in place.
- An opening pick and an iFixit opening tool were the only tools needed to remove the bezel.
- No heat was needed, yielding a moderately difficult opening procedure.

Step 3



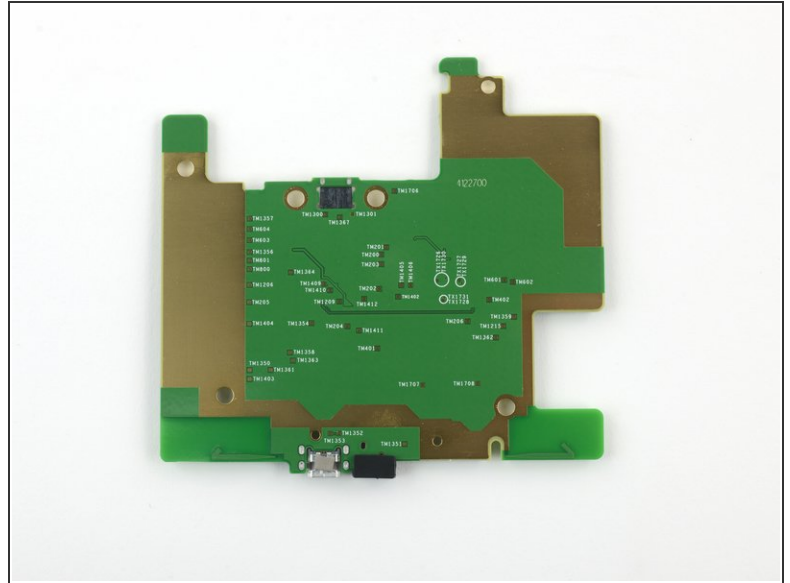
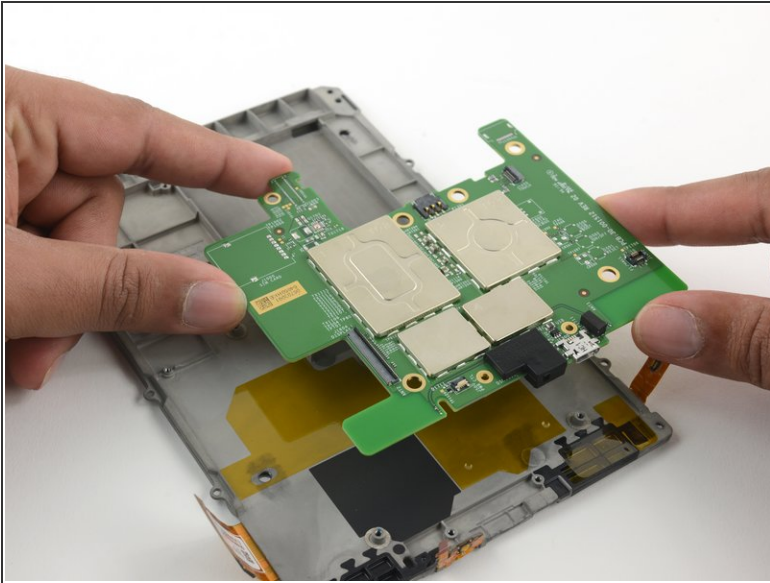
- There are 11 Phillips screws holding the midframe to the rear case. One of those screws is hidden underneath tape.
- Once the screws are out the midframe easily separates from the rear case.
- The battery and motherboard are connected to the rear case.

Step 4



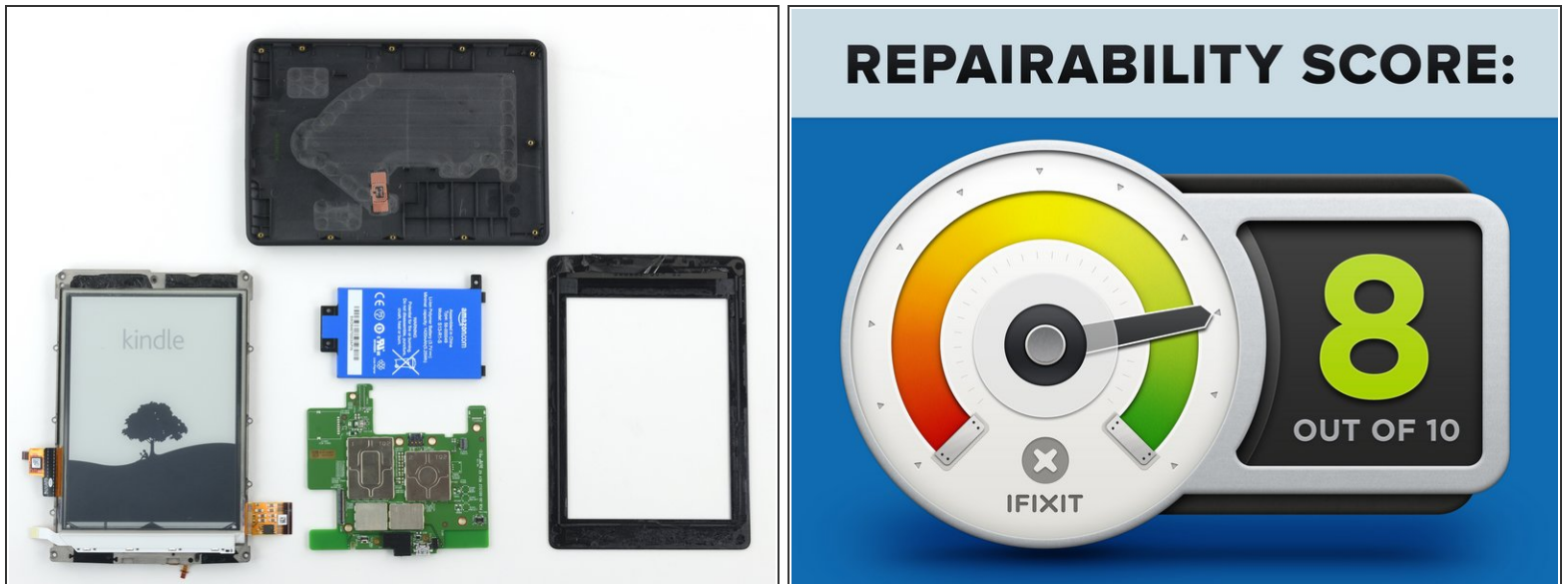
- Battery is held in place by three Phillips screws.
- Once the screws are removed, the battery can be removed by lifting from the bottom.

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.