Samsung E60 eReader Teardown

Samsung E60 eReader Teardown

Written By: Michel Stempin

This document was generated on 2020-11-29 03:05:08 PM (MST).

INTRODUCTION

We stripped down the Samsung E60 eReader to its basic components!

Equipped with a Cortex A8 CPU, 256 Mb of RAM, 2Gb of Flash, USB OTG, Wifi, Bluetooth, SDCard slot and a 6" 600 x 800 e-Ink display, this device plays into the same category as the Amazon Kindle or the B&N Nook.

In Europe and in France particularly, its price has dropped from an introductory 329 Euros down to 99 Euros plus a 50 Euros refund, making it the cheapest available eReader available.

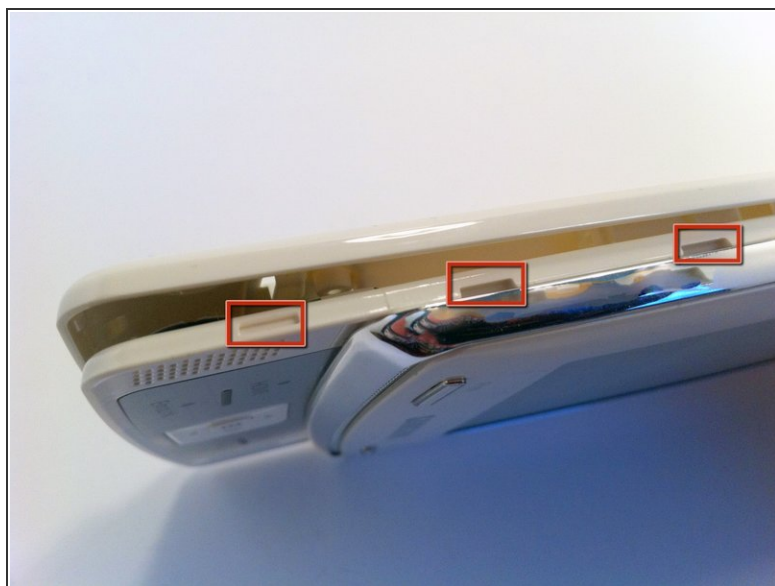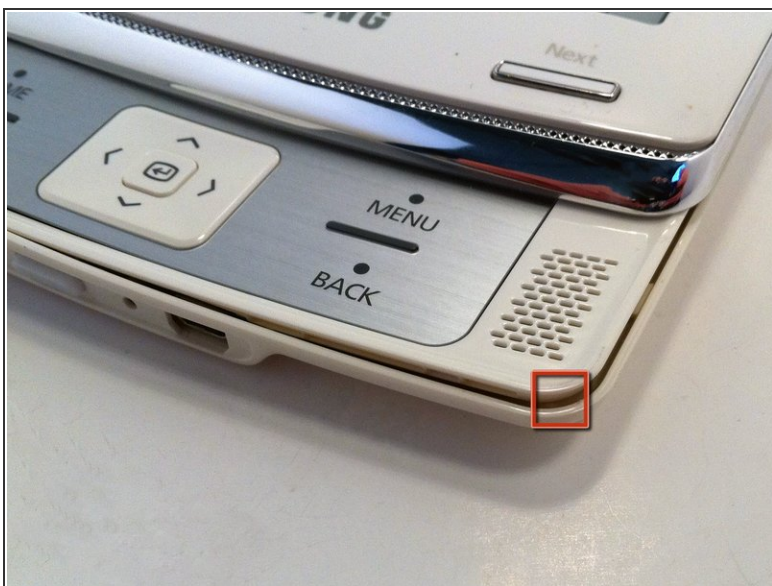Many thanks to SegmentationFault for providing us with a device!

🔧 TOOLS:

- Phillips #00 Screwdriver (1)
- Phillips #000 Screwdriver (1)
- Spudger (1)

This document was generated on 2020-11-29 03:05:08 PM (MST).

Step 1 — Removing the back

- Turn the device upside-down and slide open the back panel

- Remove all accessories, including battery, stylus and additional MicroSD Card

- Remove the 5 screws using a Philips #000 screwdriver

This document was generated on 2020-11-29 03:05:08 PM (MST).

© iFixit — CC BY-NC-SA
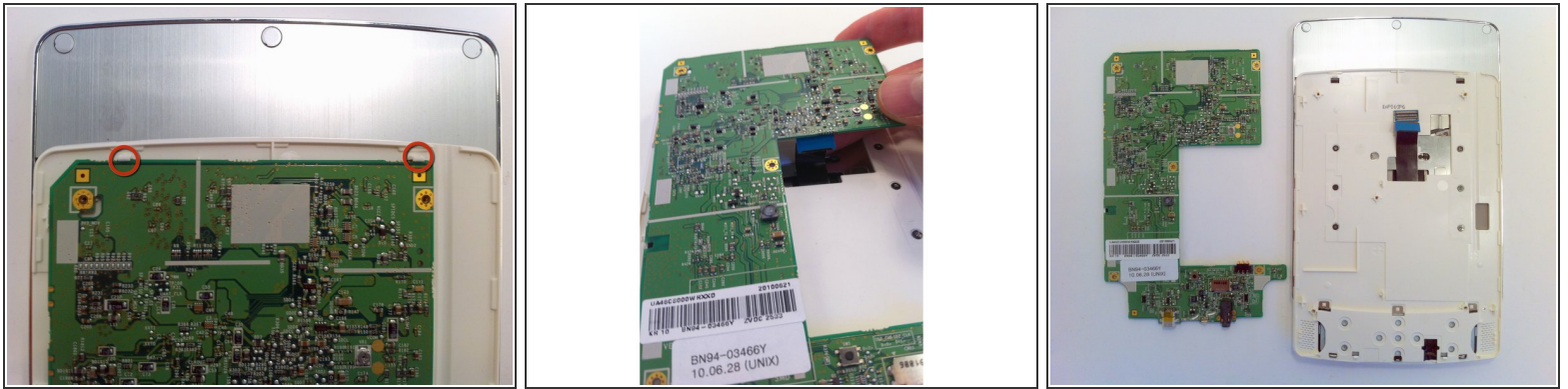
www.iFixit.com

Page 3 of 13

Step 2

- Turn the device to have the screen up and slide open the keyboard

- Gently twist the back cover at one of the keyboard corners to separate it from the keyboard top

- The back cover is maintained by 3 or 4 invisible hooks on each side of the device

- Following the join, squeeze gently the back cover to open it

Step 3 — Speakers
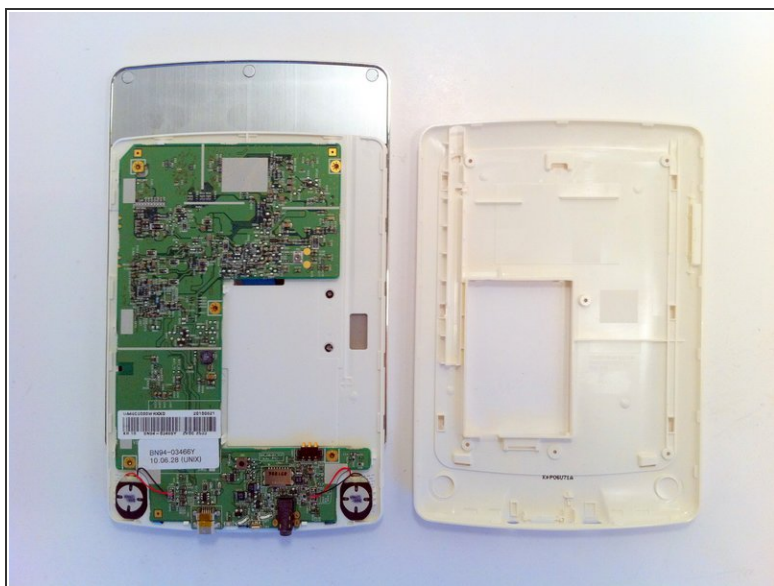
- Gently pull up the 2 speaker connectors

- Take off the 2 speakers that are soft-glued into their cavity

This document was generated on 2020-11-29 03:05:08 PM (MST).

© iFixit — CC BY-NC-SA

www.iFixit.com

Page 5 of 13

Step 4 — Main PCB

- The main PCB is maintained by 2 hooks at the top and 2 at the bottom

- ⚠️ Make sure the keyboard is in the open position to get the maximum length for the screen's Flat Plastic Cable (FPC)

- Press the 2 top hooks to release the PCB

- There may be a sticker close to the 2 bottom hooks: peel it

- Lift the PCB up and disconnect the screen FPC cable, then remove completely the PCB from the plastic case
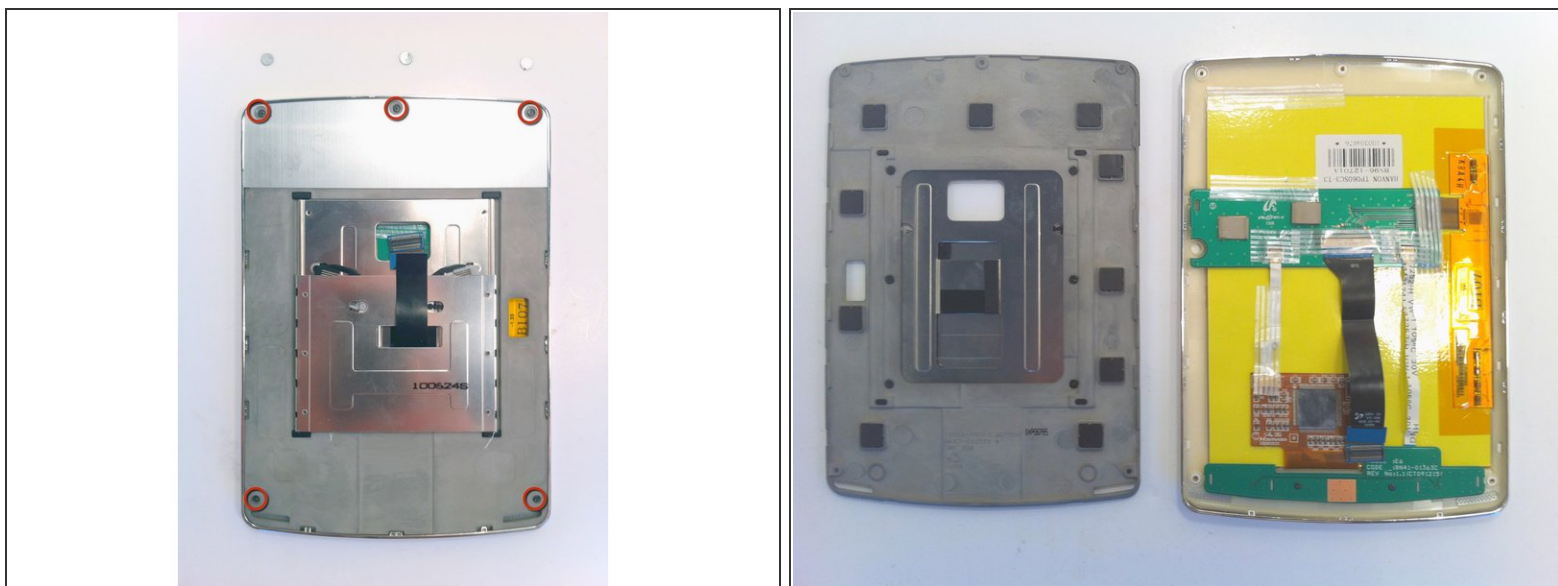
Step 5 — Sliding mechanism

- Unscrew the 6 short black screws using a Philips #00 screwdriver

- Separate the plastic keyboard top from the screen assembly

Step 6 — Keyboard
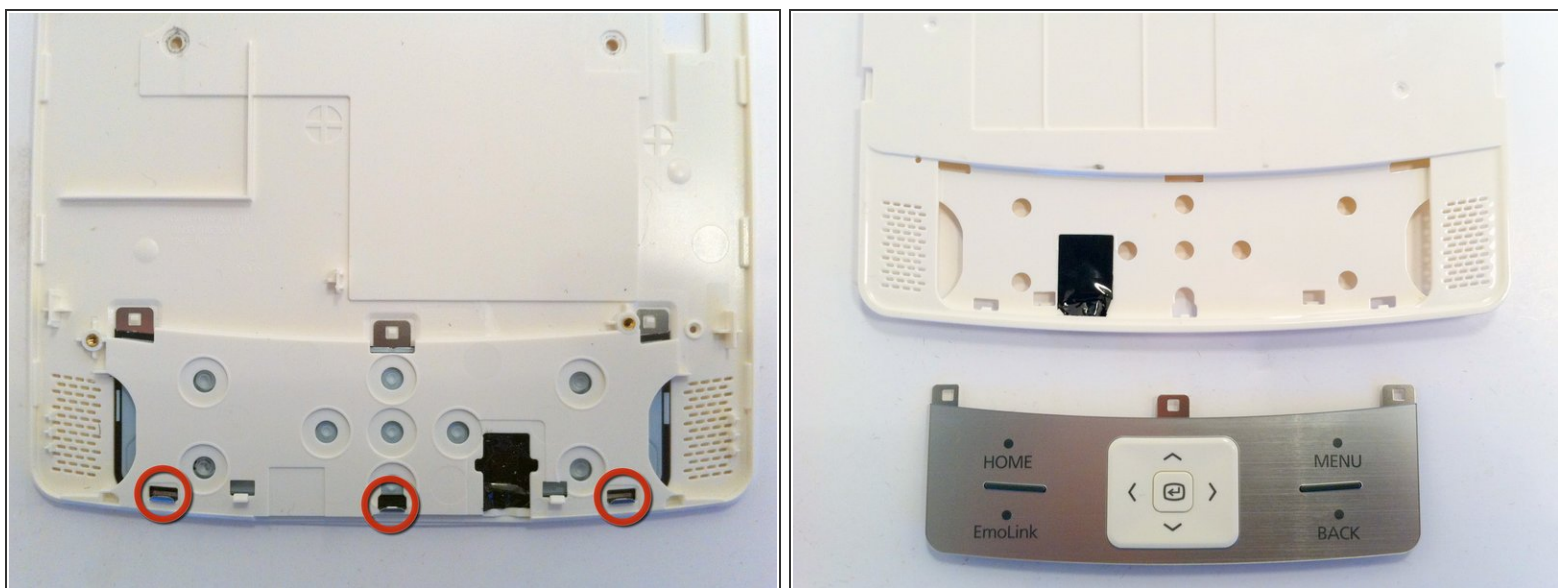
- Push in the 3 small metallic hooks from the back of the keyboard to release the brushed aluminium keys

This document was generated on 2020-11-29 03:05:08 PM (MST).

Step 7 — Screen / Touchscreen assembly

- Remove the 3 top metallic stickers that hide 3 screws

- Remove the 5 screws usign a Philips #000 screwdriver

- Separate the sliding assembly from the plastic top

This document was generated on 2020-11-29 03:05:08 PM (MST).

© iFixit — CC BY-NC-SA   www.iFixit.com   Page 8 of 13

Step 8 — Intermediate PCB

- Remove all the transparent tapes on the PCBs and connectors, keeping the top one holding the screen to the plastic case

- Pull up the small black lever on each connector (4 of them) on the intermediate PCB to release the corresponding cable

Step 9 — "Prev/Next" key PCB
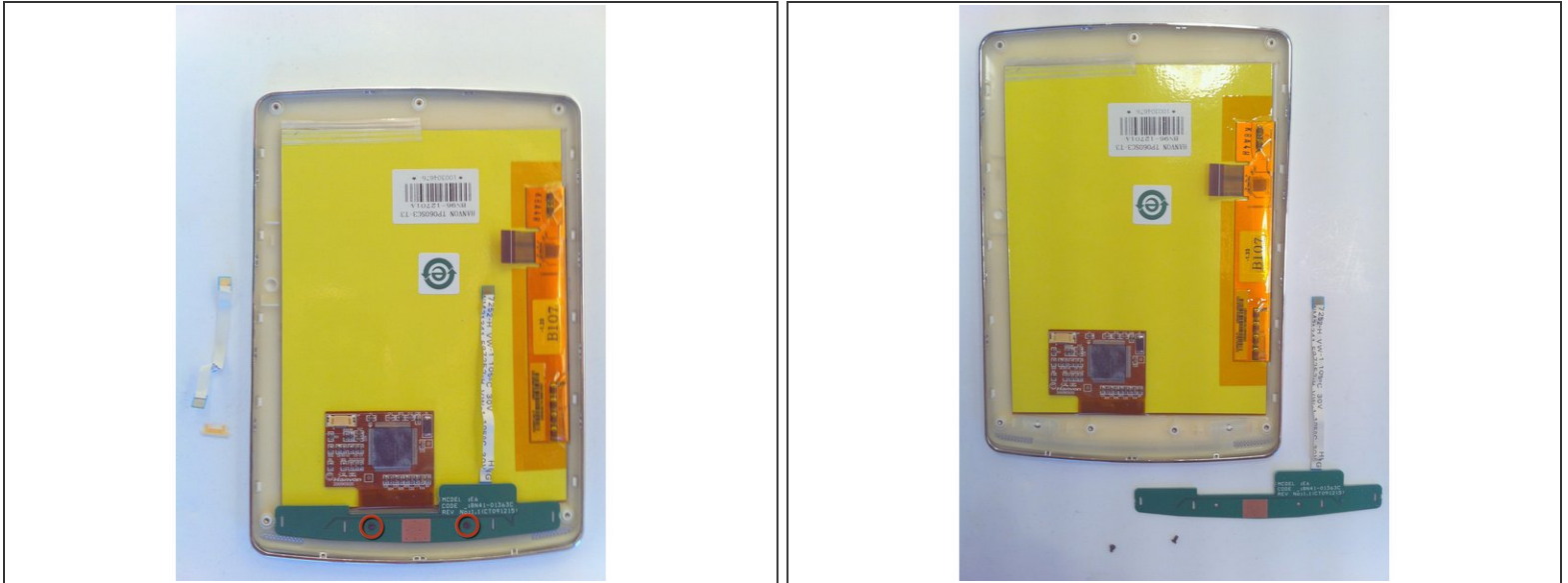
- Remove the left touchscreen FPC by pushing the 2 ears on the tiny intermediate plastic part to remove it out from the touchscreen PCB connector, then pull apart the FPC cable itself

- Remove the 2 screws that hold the "Next/Prev" key PCB in place using a Philips #000 screwdriver

Step 10
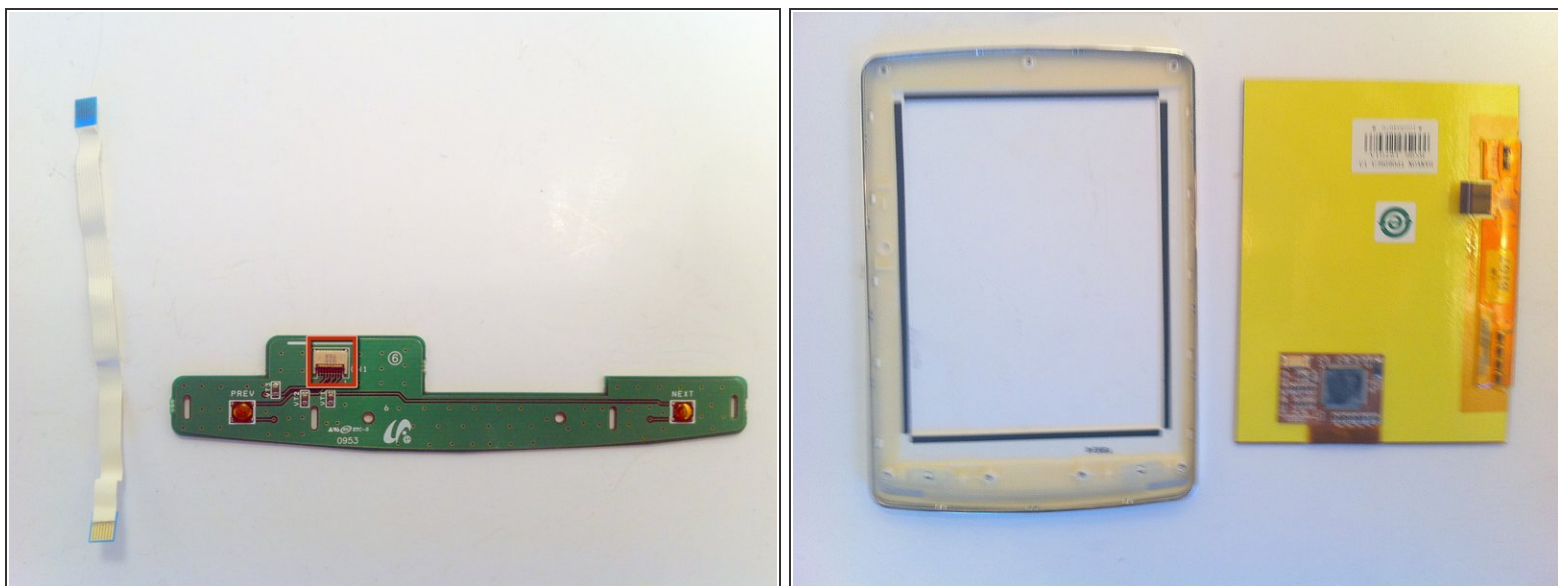
- Turn the "Prev/Next" keys PCB up, remove the transparent tape from the connector

- Lift up the small lever on top of the conenctor to release the "Prev/Next" FPC cable

- Remove the transparent tape that holds the screen to the pastic top

Step 11 — Final layout

- As always, we provide each device with a fitting final layout shot that it so greatly deserves.

- We would like to thank you for joining us tonight during this monumental endeavor.

- ⚠ When reassembling the device, make sure to exercise slowly the sliding keyboard **before** closing, in order to verify that the screen FPC cable is correctly in place and will not be sheared by the sliding assembly!

Step 12 — PCB views
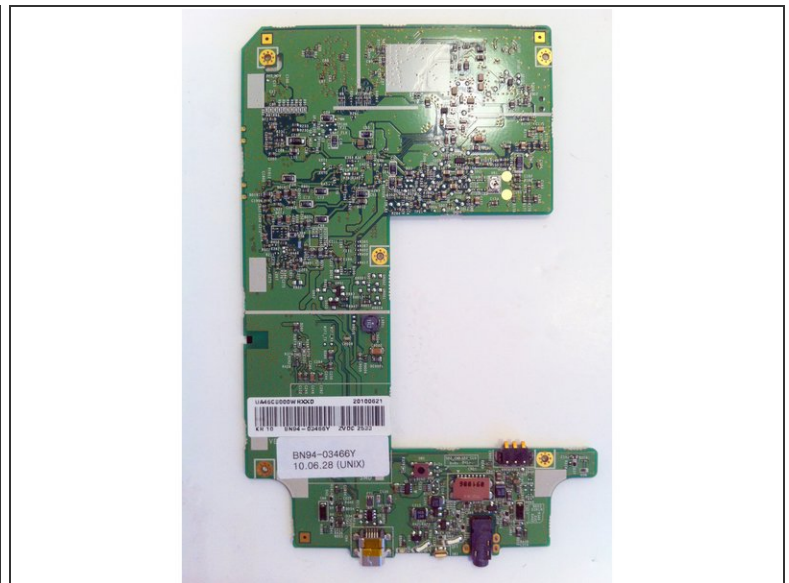
- As a reference, here are the PCB top and bottom views.

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

This document was generated on 2020-11-29 03:05:08 PM (MST).