Keyboard Rapoo E6700 Bluetooth Broken off micro-USB

The Rapoo E6700 has a really bad repairability. Even tough let's try to fix the USB port without destroying the device (completely).

Written By: Nomis

This document was generated on 2021-03-15 09:34:17 PM (MST).

INTRODUCTION

I found a way to get access the USB port. But the really ugly place of the screws means that the back cover remains a bit loose or needs to be glued in place.

🔧 TOOLS:

- Soldering Iron (1)
- Hammer (1)

Step 1 — Break off the back cover

- A small cutting board and a slight hit with a hammer on it allows to break off the bottom side case. Inside resides the circuit board and the recharcheable battery - so be careful with the amount of force.

- The bottom cover is held by screws that cannot be accessed/loosened without destroying the glued parts of the device.

- With the hammering we break the plastic parts where the crews hold the cover. It worked better than I expected.

Step 2 — Access to the inside
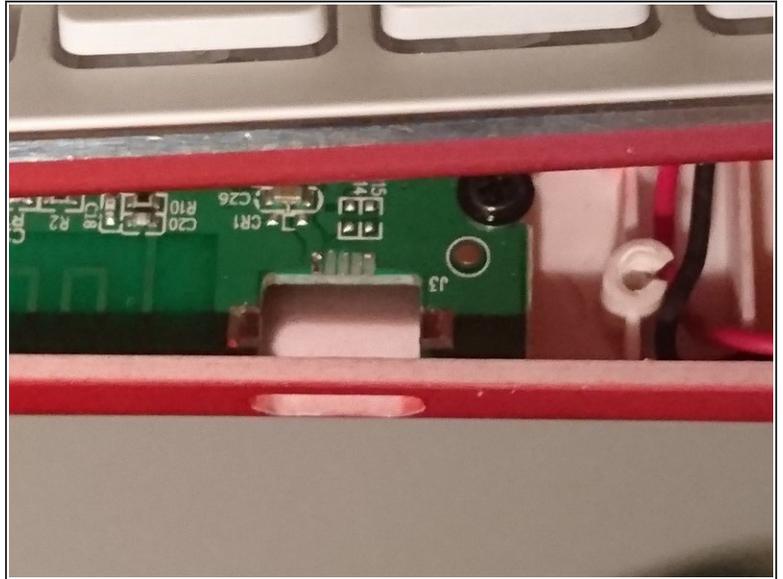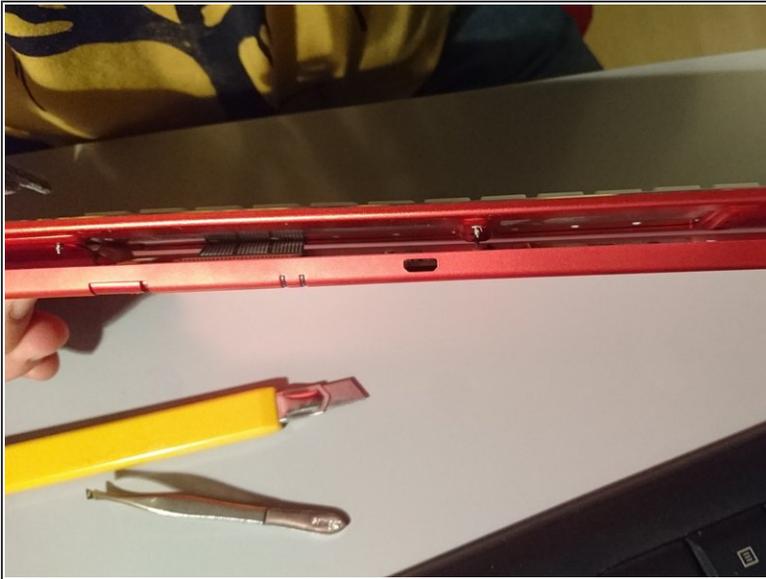
- The cover is still connected to the main larger part of the keyboard with two flat cable. So be careful to keep these intact.

- Now the PCB with the broken off USB jack is accessible. The soldering on the shield was really not so good. No wonder that it broke off so easily!

       www.iFixit.com

Step 3 — Mind the flex cables

- There is a brownish flat cable to the left in the picture. Another green flat cable goes to the back as seen in the picture. I took the second one out with a tweezer, which helped me to get good access for soldering back the USB jack.

- But putting back the flat cable was a bit fiddly. So mybe others might find it better to try soldering with both flat cables still in place.

- The cover can be snapped back on but will not hold very tight as the screw holders are broken now.

- Some glue would hold it in place. Bets put some glue on the locations where the screw-points are.

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

This document was generated on 2021-03-15 09:34:17 PM (MST).