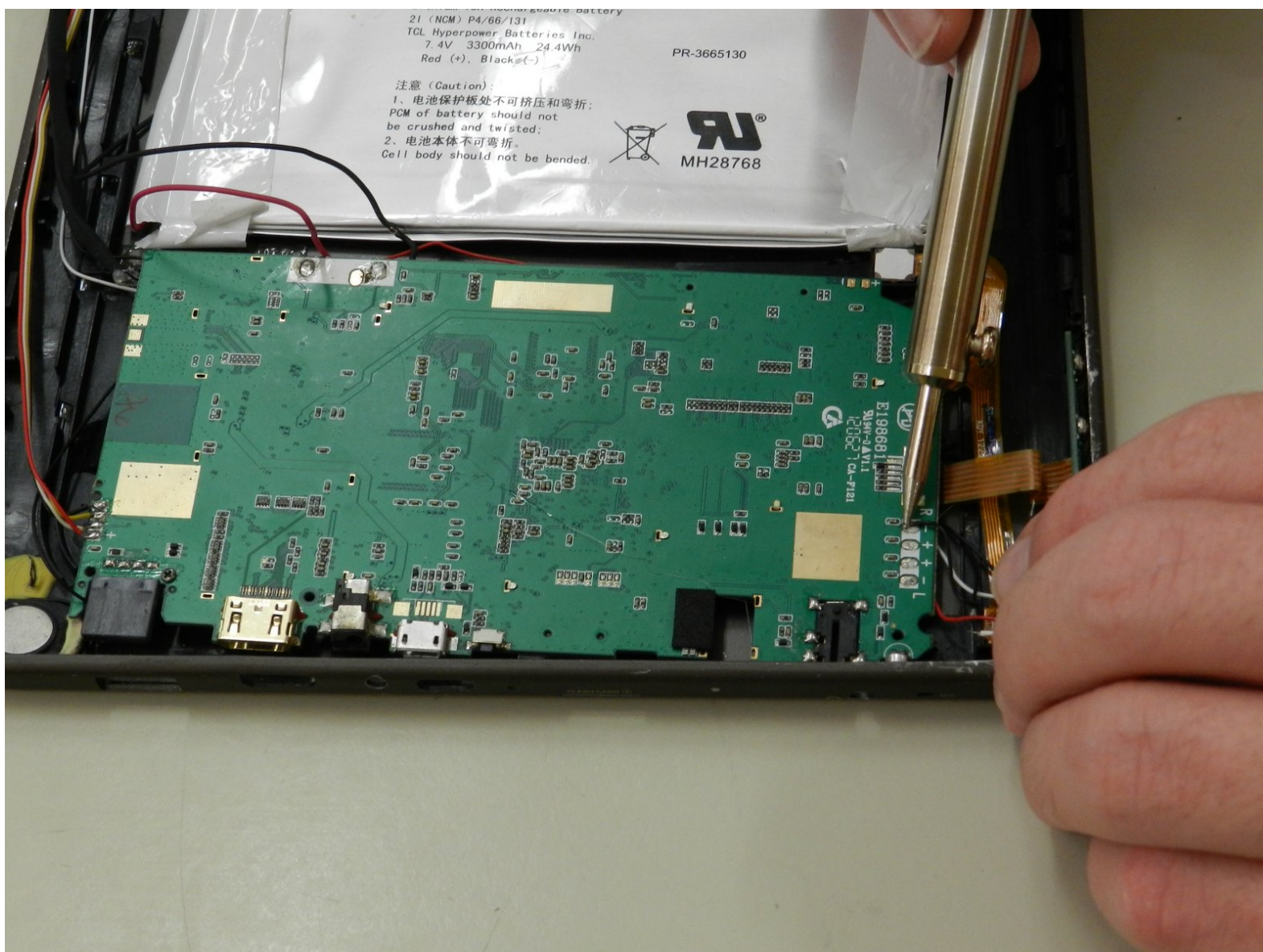




# Archos 97 Carbon motherboard Replacement

This guide will help you to remove and replace the mother board inside of the tablet.

Written By: Sam Nance



---

## INTRODUCTION

This will require

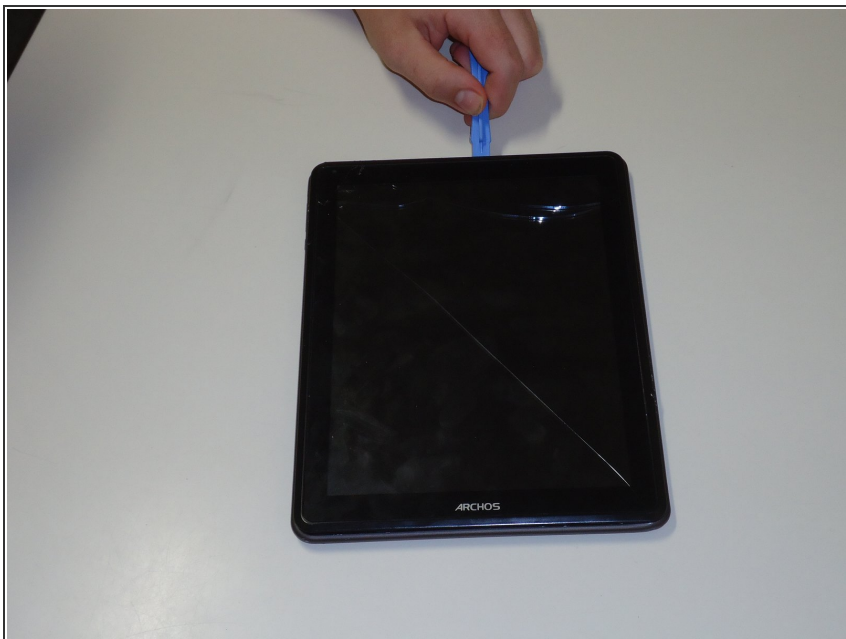
- opening up the tablet
- unscrewing the motherboard from the device
- removing solder from connected wires
- detaching connecting cables from the motherboard.



### TOOLS:

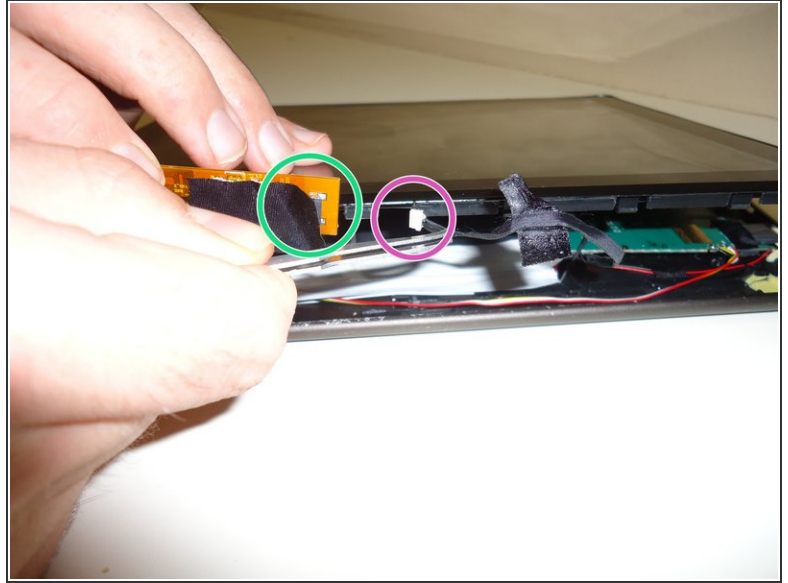
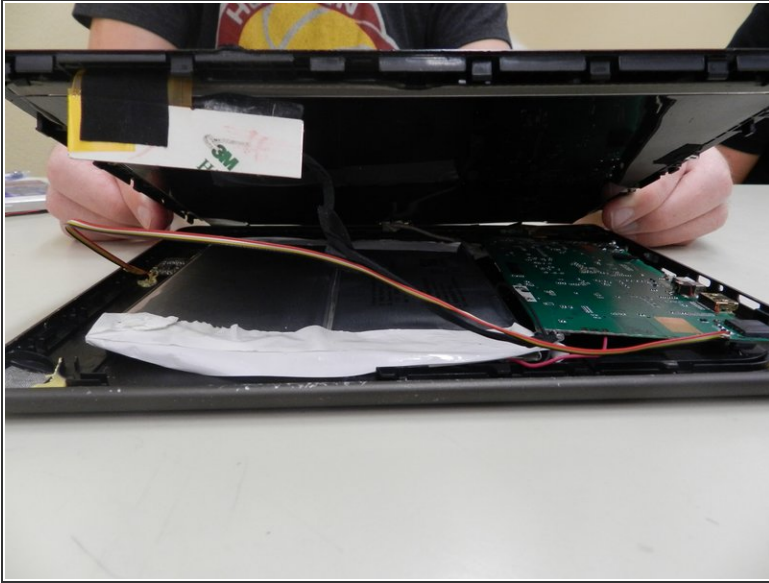
- [Soldering Iron](#) (1)
  - [Phillips #0 Screwdriver](#) (1)
  - [Tweezers](#) (1)
  - [iFixit Opening Picks set of 6](#) (1)
-

## Step 1 — mother board



- With the tablet facing you pry open the tablet. Start over in the left corner (by the buttons) working clockwise until the tablet is open. You can use these tools: guitar pick [iFixit Opening Picks \(Set of 6\)](#) or prying tool [Plastic Opening Tools](#)

## Step 2



- Once the screen is separated from the back panel, you will see two cables connecting the screen to the interior of the tablet (one silver, one black).
- Start with the black cable that is connected to the white tab. Remove the black tape that is holding the end of the cable to the tab.
- Then gently pull the cable away from the tab with tweezers disconnecting the plug from the outlet. You can purchase the ifixit tweezers here [Tweezers](#)

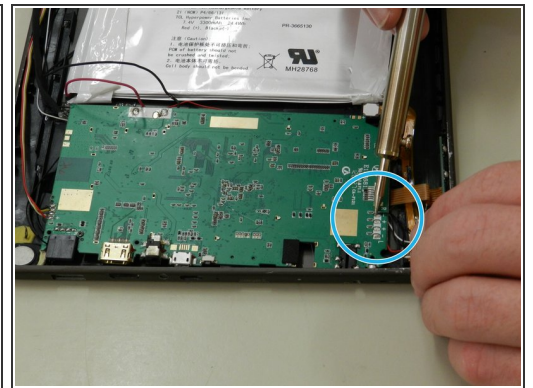
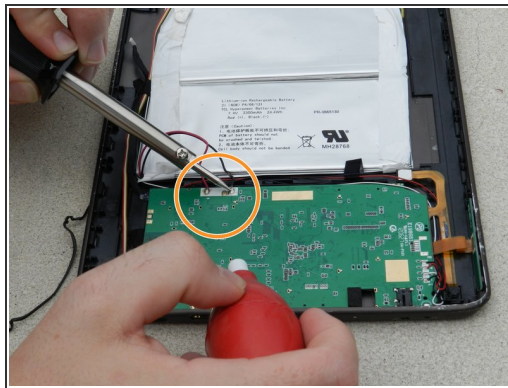


### Step 3



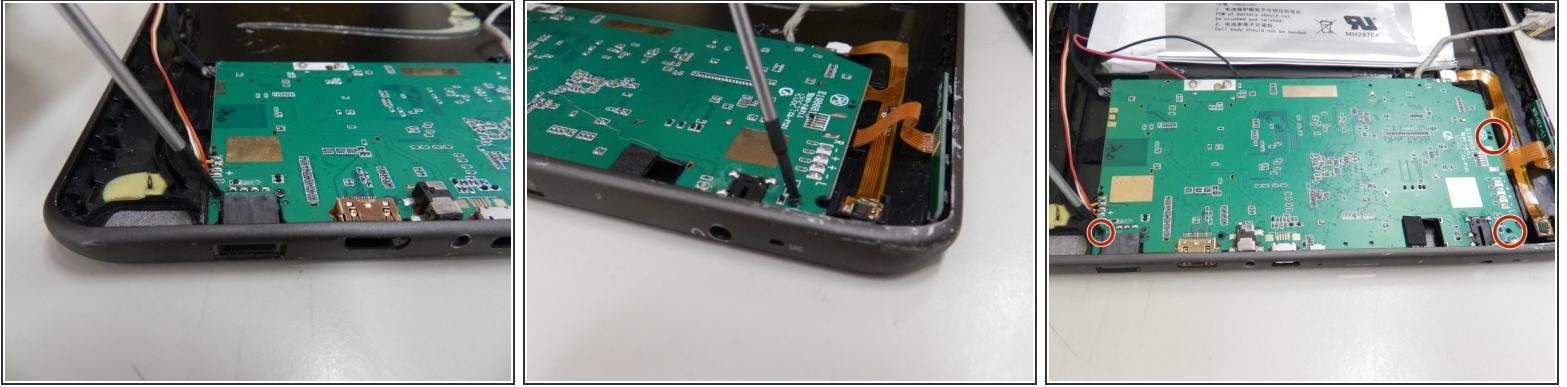
- Now remove the silver cable by removing the tape connecting the cable and screen. Gently detach the gold cable from the outlet.

### Step 4



- Now the interior of the tablet is fully accessible.
- Heat the soldering gun, once fully heated put the tip of the soldering gun over the solder that seals the battery cables to the motherboard (these are the two black and red cables on top) . When the solder is heated the cables will remove easily. Soldering gun can be purchased here [Soldering Iron](#).
- With soldering gun also remove the four speaker cables on the right side of the motherboard. Put the tip of the soldering gun on the metal solder heating it up causing the cables to be removed easily.

## Step 5



- Unscrew the 3 screws (with a Philips screwdriver) that connects the motherboard to the tablet, these screws are indicated by the 3 red markers. Here is the ifixit screwdriver [Phillips #000 Screwdriver](#)

## Step 6



- When the motherboard is completely unscrewed, flip it over so you can see the underside.
- Using tweezers gently press the sides of the black plug and pull away until the cable connect becomes detached.
- Remove the other cable connector gently pressing the sides of the back of the plug and pulling away until it becomes loose.

## Step 7



- The motherboard is now separated from the device.

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