Coby Kyros MID7024 LCD Digitizer Replacement

This guide will assist the user in accessing the device's touch screen component, sometimes referred to as the LCD digitizer, in order to replace or repair it.

Written By: Nicholas Bosco

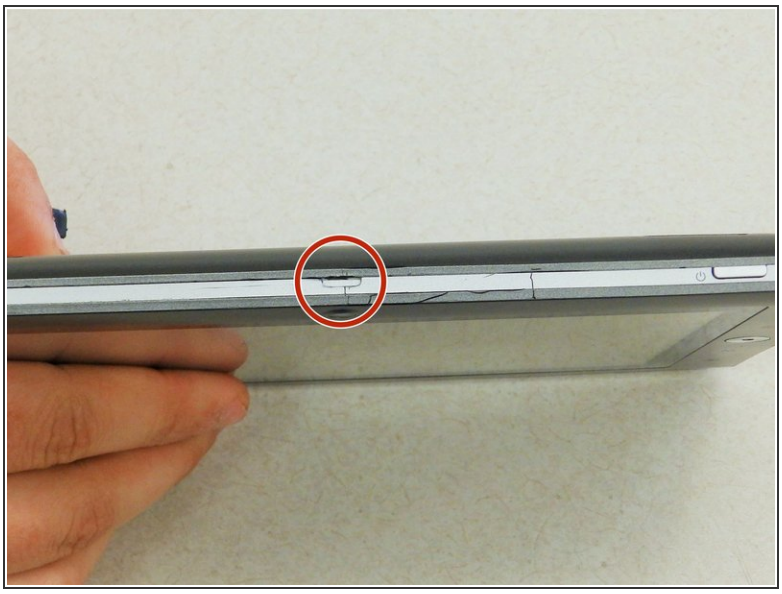
INTRODUCTION

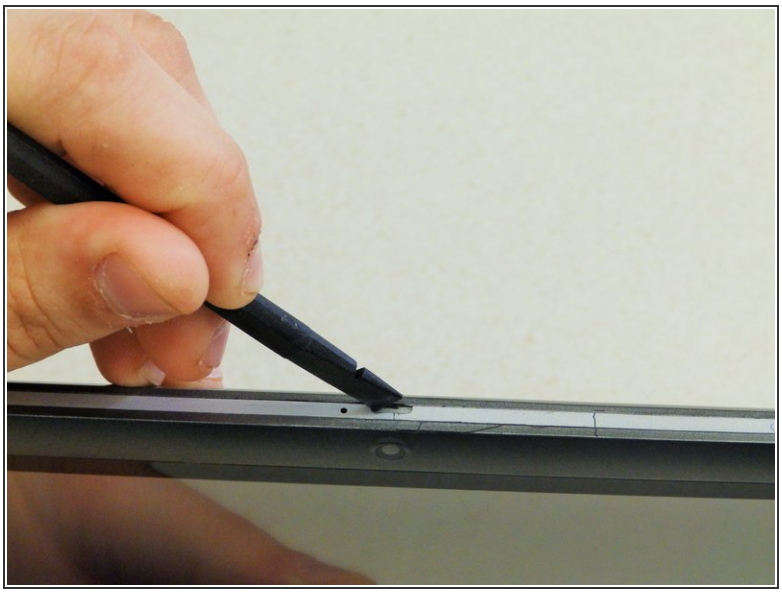
The LCD Digitizer in the device is there the display and touch screen take place, it is where the majority of the interaction occurs with the user. If somehow the screen dies out or the screen was damaged it must be replaced. In order to reach the LCD Digitizer the device's internal components must be removed all the way past the motherboard. The LCD Digitizer is held in place by tape and screws in the bezel on one side and with the motherboard and battery on the other.

TOOLS:

- Phillips #0 Screwdriver (1)
- Portable Soldering Iron (1)
- Spudger (1)
- Tweezers (1)

Step 1 — Back Cover

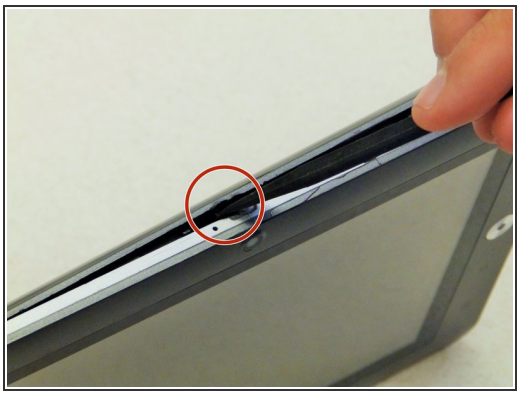


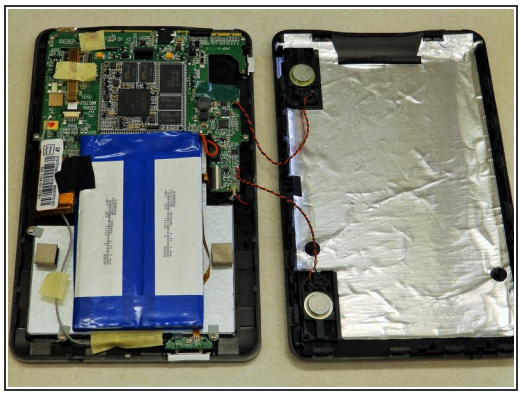


Begin by ensuring that the device is powered off.

- To replace the back cover of the device you must pry it open using the access points. One is located on the top of the device above the camera and the other is on the bottom left hand side.
- Use the spudger to pry at the access points to open the device.

Step 2



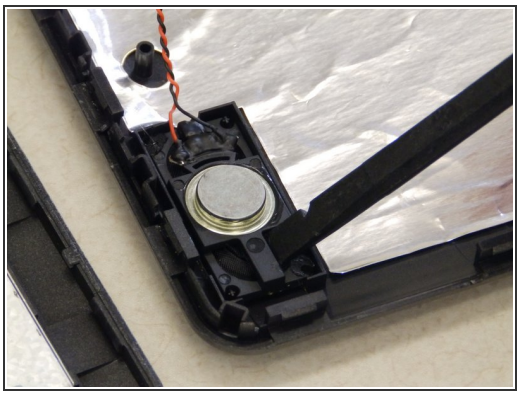
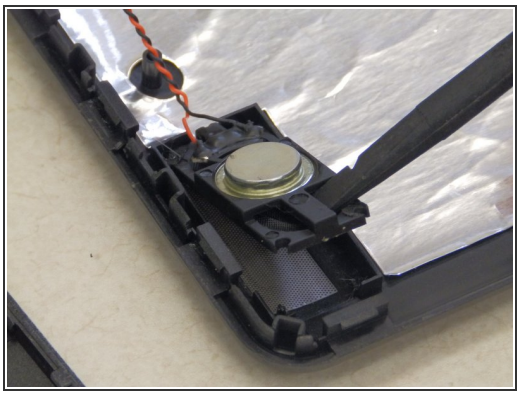
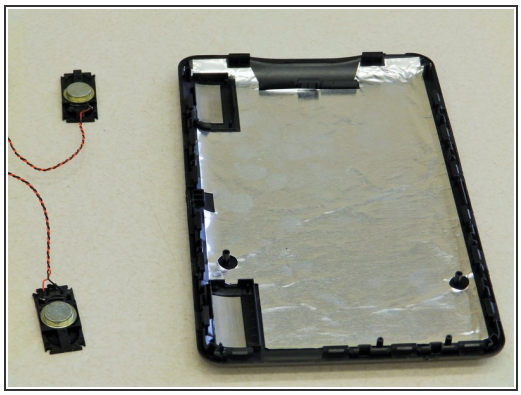


- Once the back cover begins to separate from the body of the device continue working the spudger around the perimeter of the device until the back cover is free.

⚠ You will hear some popping and cracking noises as you pry open the device. These sounds are the internal clips coming apart.

- Once the back cover is free from the body of the device, open both sides like a book, placing them flat on the table as shown. Be sure to pay attention to the speaker wires that hold the two pieces together.

Step 3

⚠ This step is only necessary if you intend to repair or replace the back cover and/or speakers of the device.

- In order to replace the back cover you must remove the speakers. Place the Spudger under the plastic frame of the speaker as shown. Pry up, popping the corners of the speakers out of of their bracket and lift the speaker out.

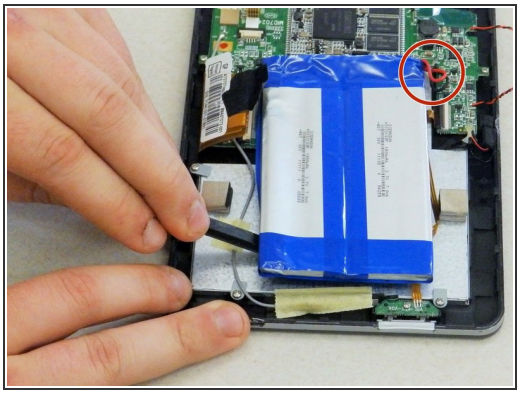
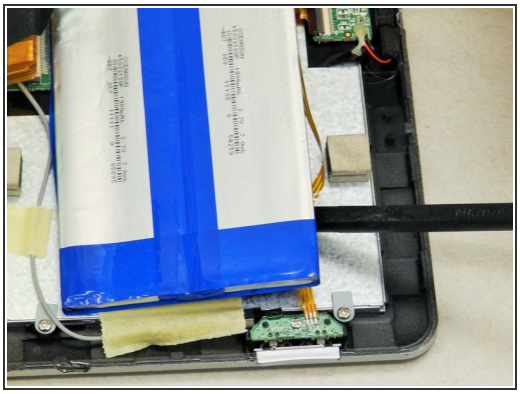
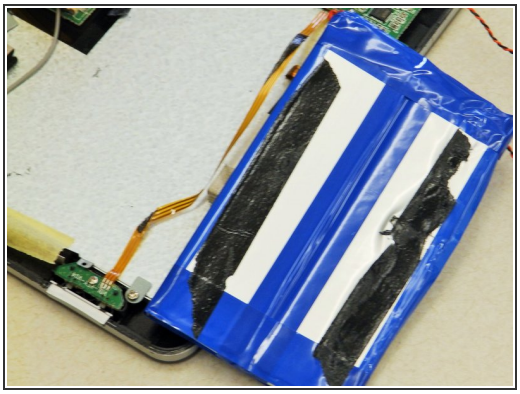
⚠ Be sure not to pull on the speaker's wires or body too hard as you may damage them.

Step 4 — Battery



- Locate the black tape connected to the battery and peel it back as indicated in the images.

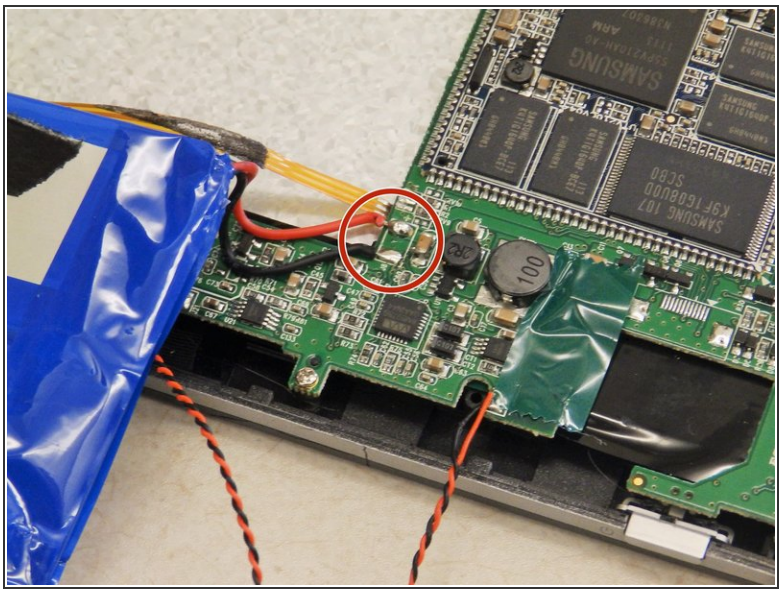
Step 5

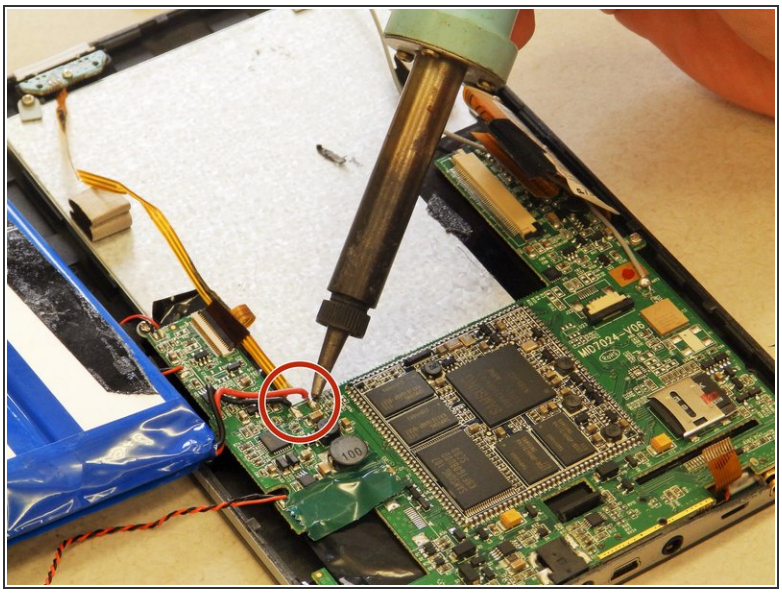




The battery is held to the device with two adhesive strips located on its underside.

- After the battery is freed from the device, it will remain connected to the motherboard by two short wires.
- Use the spudger tool to gently pry around both sides of the battery until it can be lifted from the device.
- Roll the battery over (as shown in the image) so that its underside is now facing up. This will prevent damage to the motherboard.

Step 6

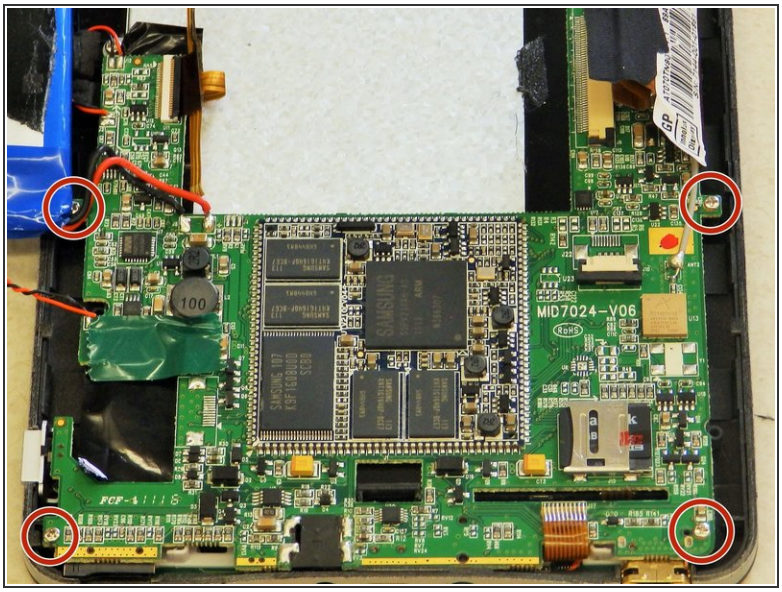


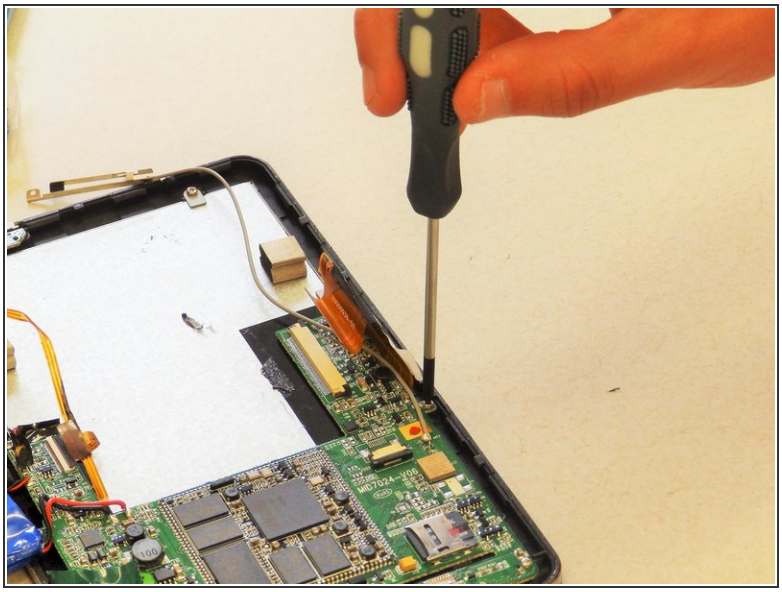


- Use a soldering gun to remove the positive and negative wires connecting the battery to the motherboard.

Follow the guide on soldering to assist you in removing the battery.

Step 7 — Motherboard

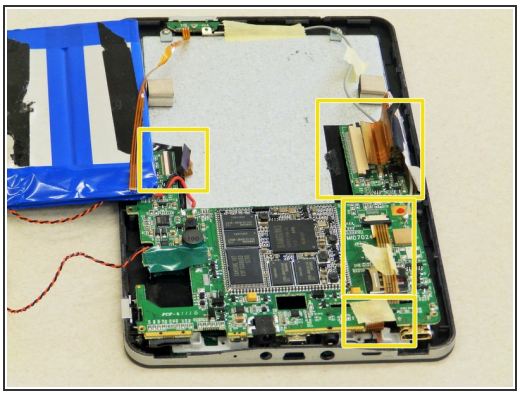
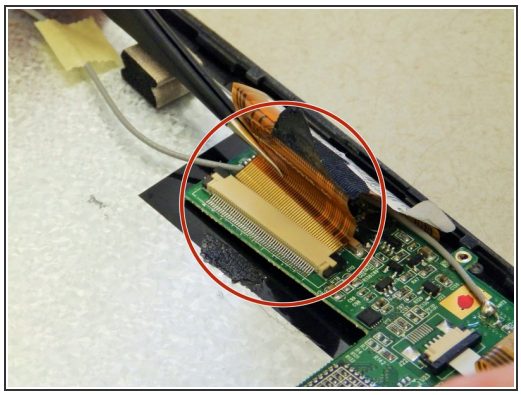
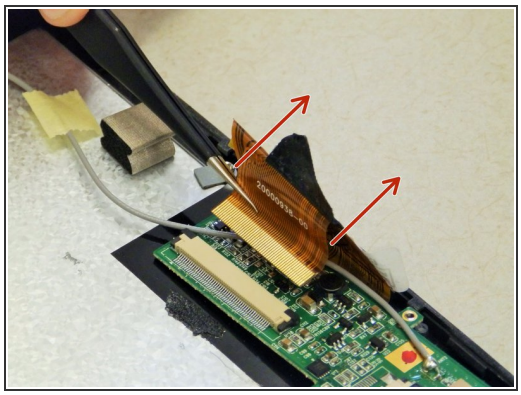




- Locate the four 5mm screws holding the motherboard in place and remove them using the Phillips #0 Screwdriver.

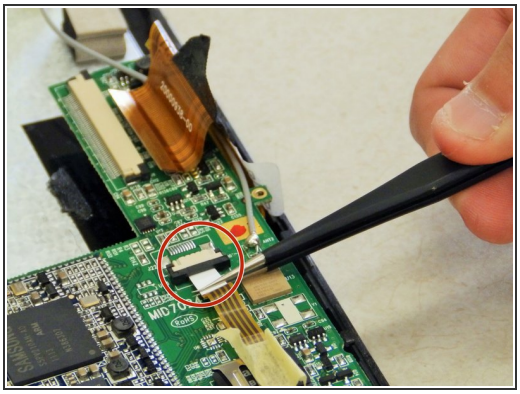
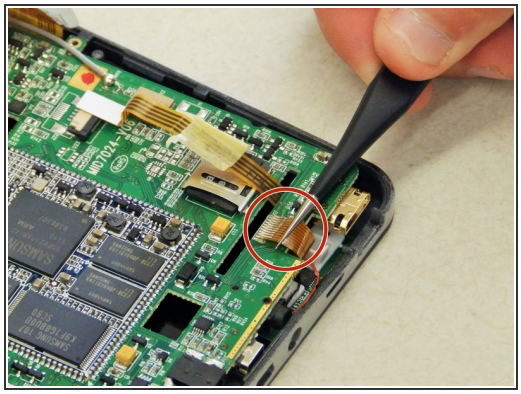
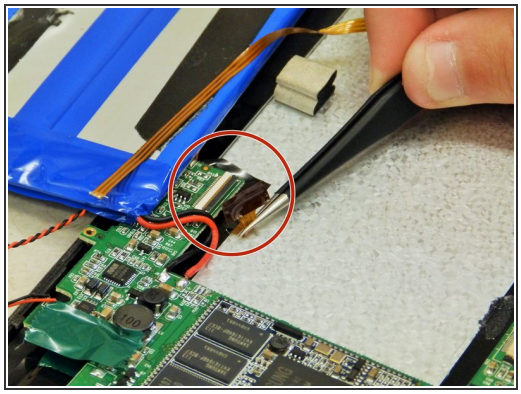
⚠ Upon removal of the screws the motherboard should be able to lift up some. Do not remove it until all of the ribbon cables have been detached.

Step 8

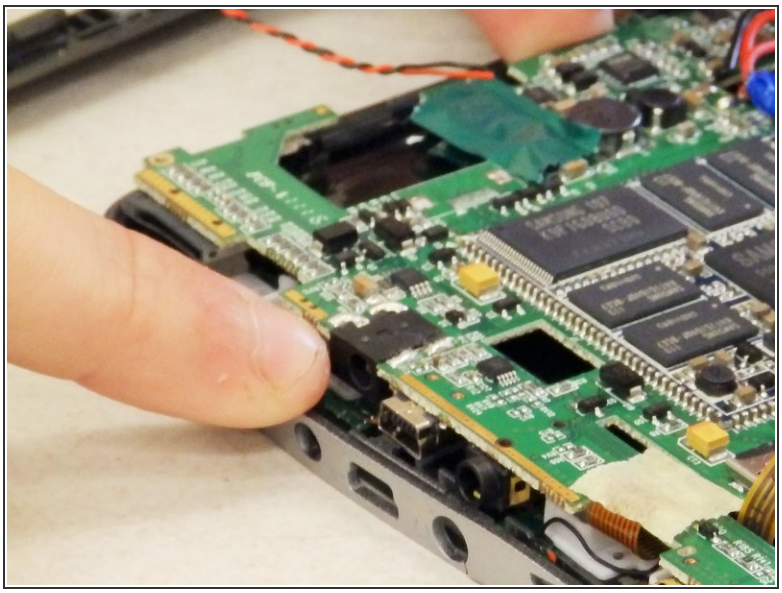
- Locate the four ribbon cables shown in the yellow highlighted areas.
- The digitizer is connected by a ZIF (zero insertion force) connector. The two black pieces on each end need to be pressed in simultaneously before the ribbon cable can be removed.
- While pressing the black pieces, grasp the digitizer ribbon cable (widest one) with the tweezers and pull away from the connector as shown.

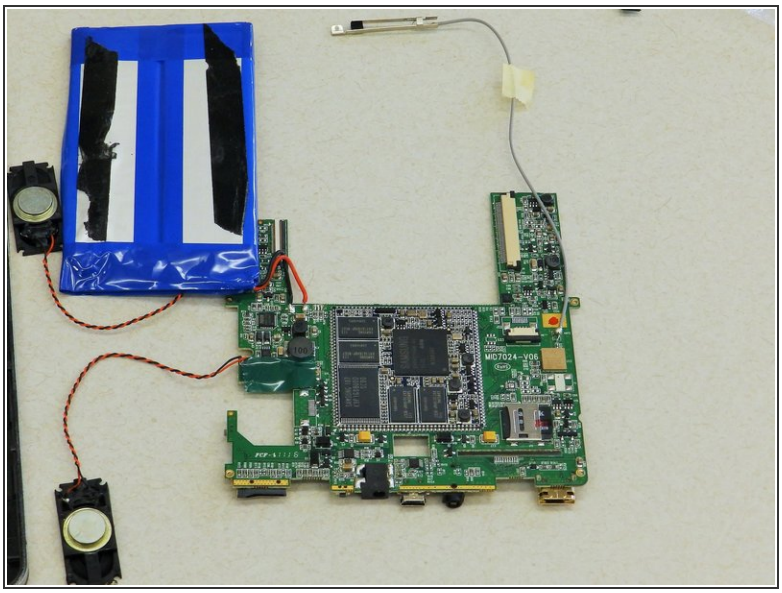
Step 9

- Carefully remove the remaining ribbon cables using the tweezers. Make sure that all ribbon cables are detatched before attempting to remove the motherboard.

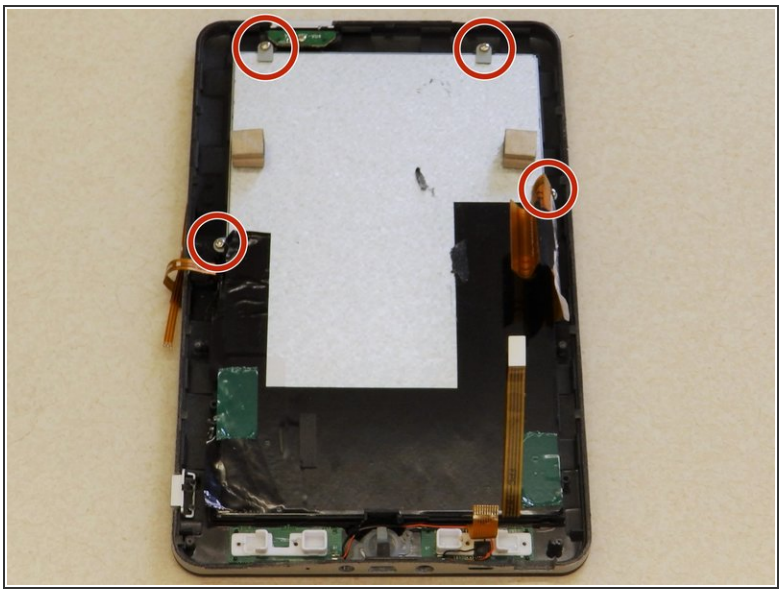
Step 10

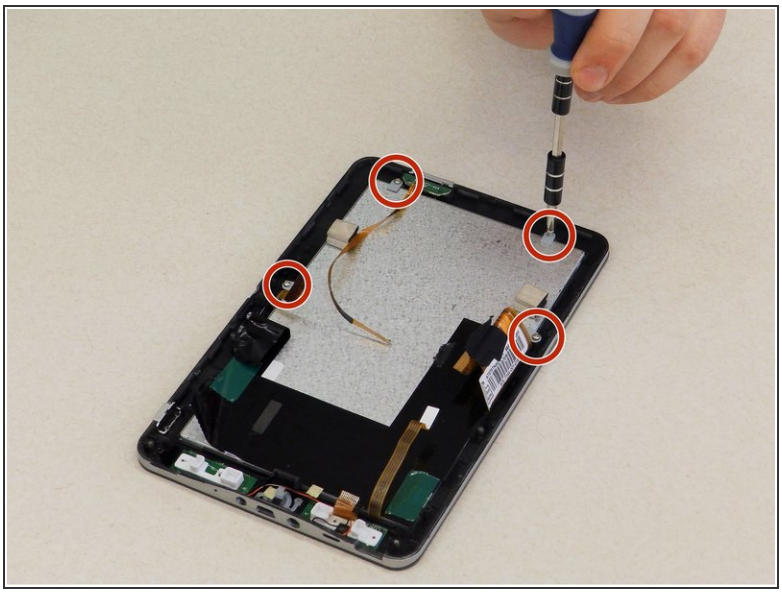




- Now gently remove the motherboard from the device.

Step 11 — LCD Digitizer



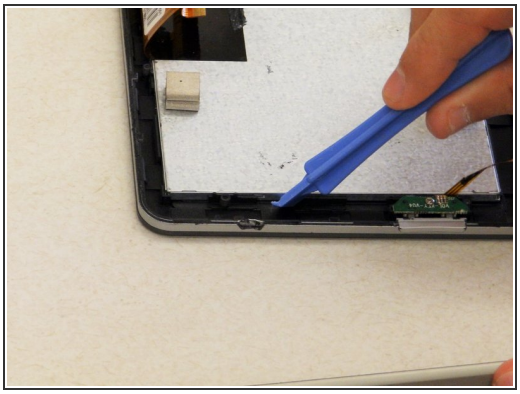


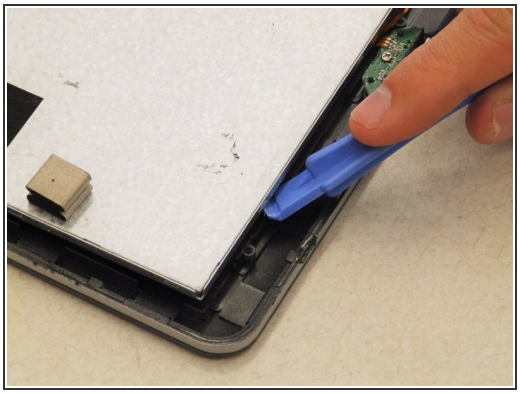
Be sure that the back cover, battery, and motherboard are all removed from the device as shown.

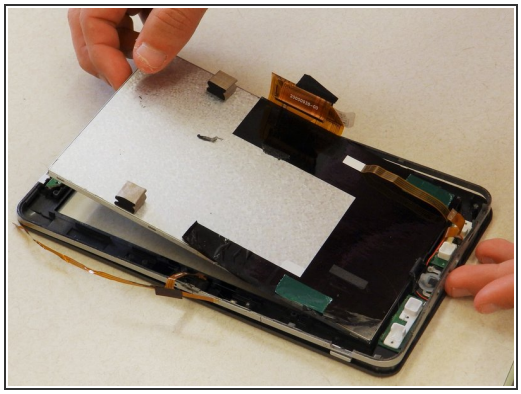
Be sure that all ribbon cables are disconnected and held out of the way.

- Lay the device face down on the table so the metallic back of the digitizer is facing upwards.
- Use a Phillips screwdriver to unscrew the four 5mm screws holding the digitizer to the frame.

Step 12

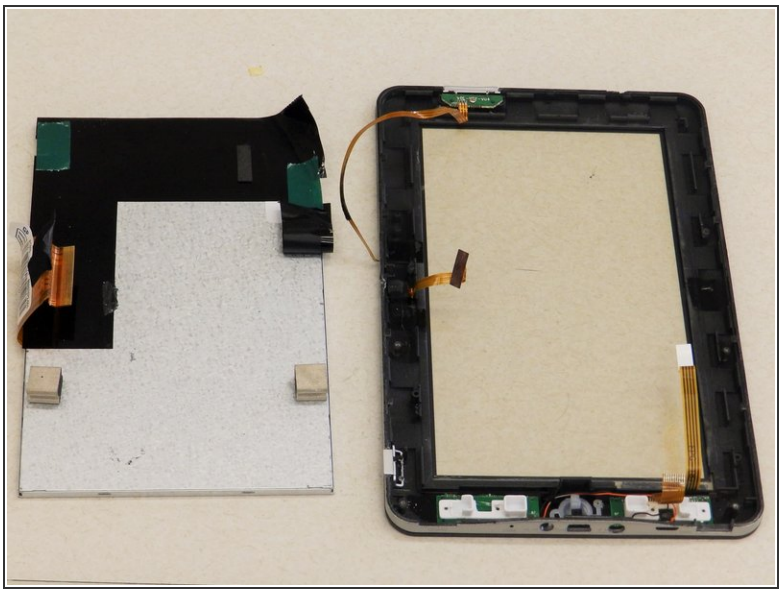






- Use a plastic opening tool to wedge underneath the digitizer and pry up, lifting the digitizer out of the frame.

Step 13



- The digitizer is now free from the front frame and ready to be repaired or replaced.

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

