



Microsoft Surface 2 I/O Cable Replacement

Replace the charging port and SD card slot of your Microsoft Surface 2.

Written By: Gregory Miller



INTRODUCTION

If you have tried multiple times but cannot get the Microsoft Surface 2 to turn on, you may need to replace the I/O cable, which houses the charging port. This cable will also need to be replaced if your SD card slot is not working properly.

TOOLS:

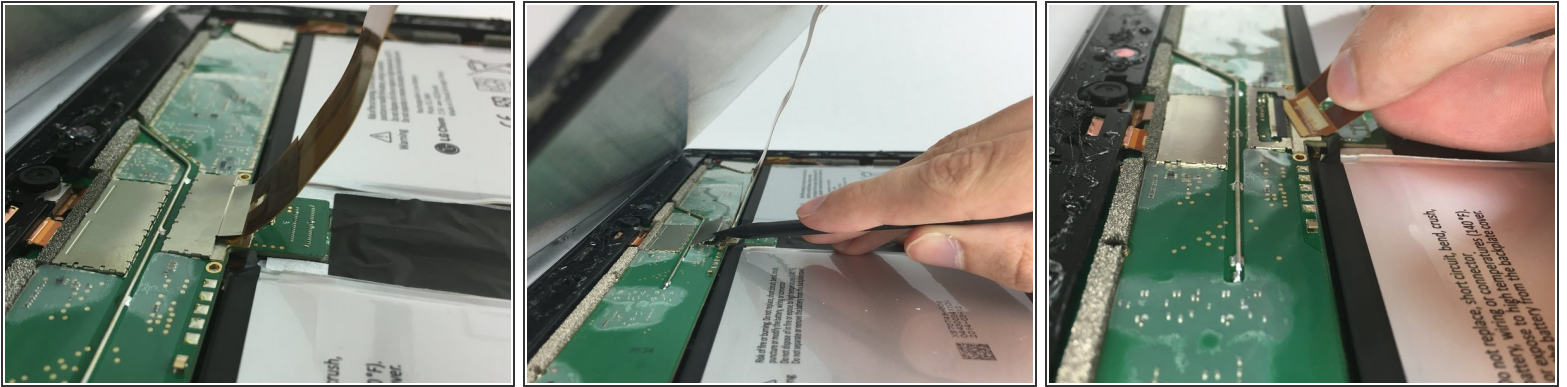
- [Screwdriver](#) (1)
 - [Magnetic Project Mat](#) (1)
 - [Spudger](#) (1)
 - [Heat Gun](#) (1)
 - [iOpener Kit](#) (1)
-

Step 1 — Screen



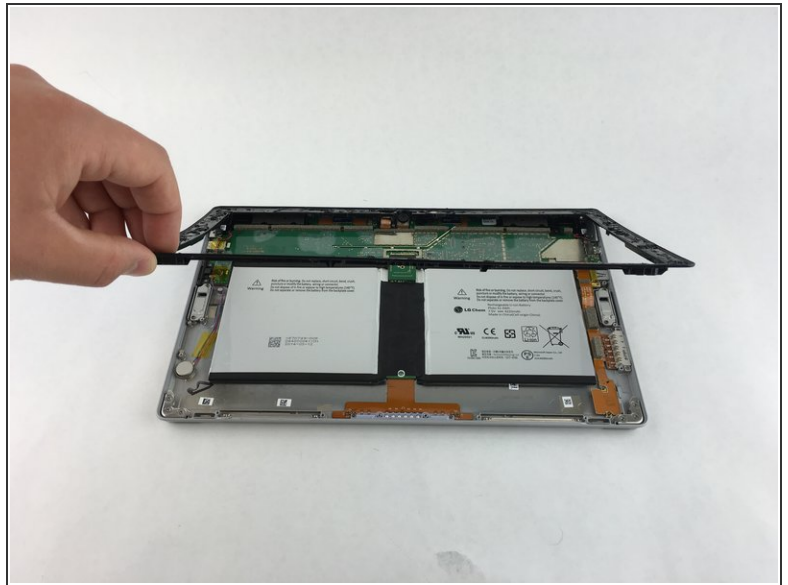
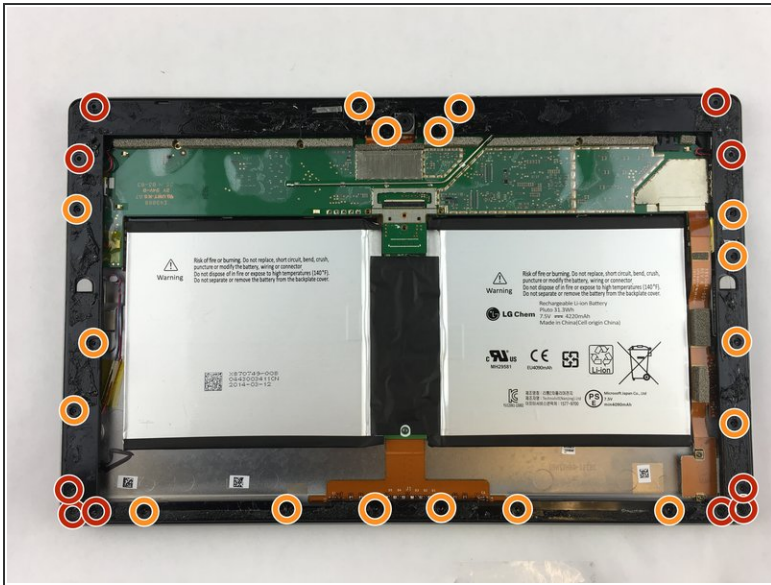
- Begin by using a heat gun or the iOpener (This will take longer.) to melt the adhesive all around the outer edge of the screen.
- ⚠ Avoid holding the heat gun too close to the Microsoft Surface 2 so as to not cause any unwanted warping.
- ⚠ Avoid touching the metal end of the gun. It will be very hot and can burn you.
- Insert the opening picks just under the screen and black edging. Be sure to place them evenly on each side.
- Using the gap created by the picks, slowly pry the screen from the body of the Microsoft Surface 2 with a plastic opening tool. Pry as uniformly as possible.

Step 2



- ❗ Once the screen is free from the body, there will be a single ribbon cable connecting the screen to the motherboard.
- Use a plastic spudger to pry the retaining clip away from the display cable.
- ❗ The ribbon cable may be glued to the motherboard.
- Carefully pull the ribbon cable from its socket on the motherboard.

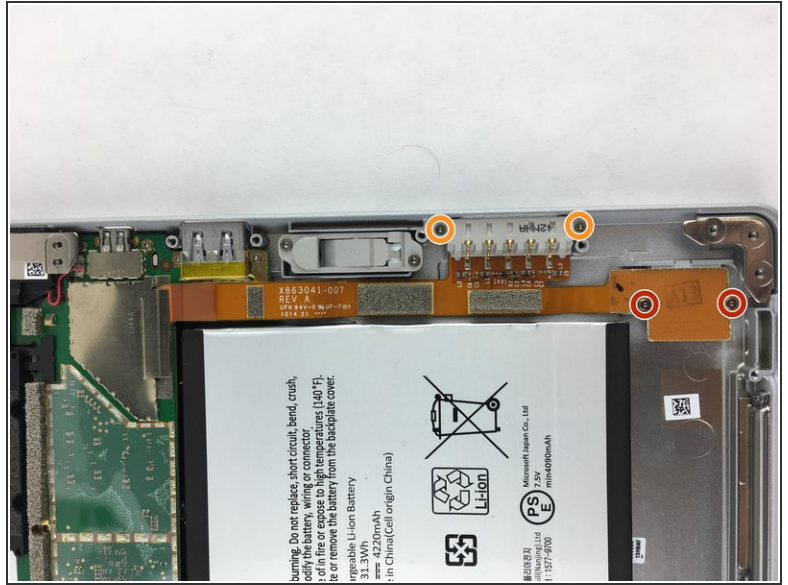
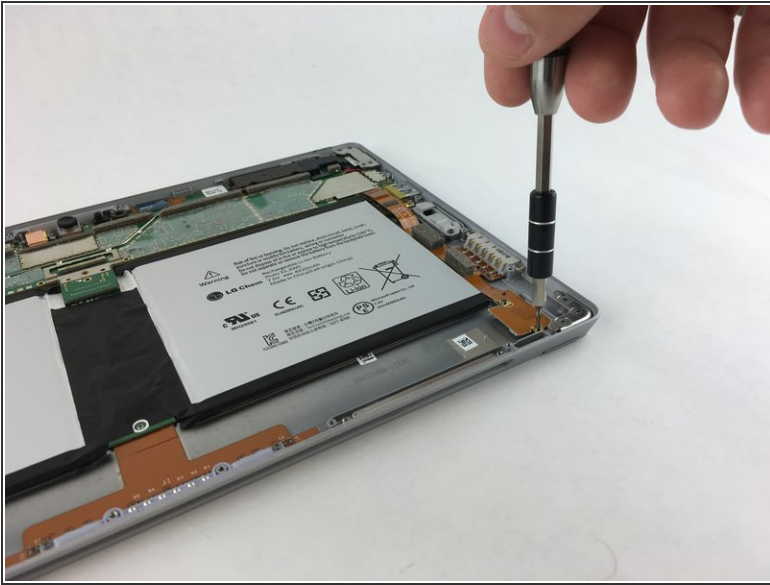
Step 3 — I/O Cable



 Work close to Magnetic Project Map to avoid losing screws.

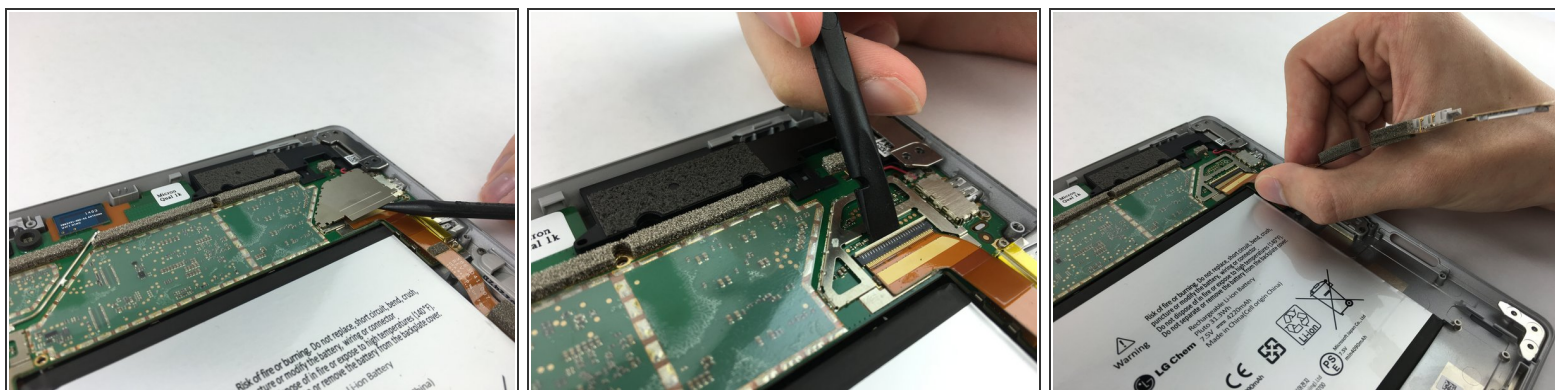
- Remove ten 3.45 mm T3 screws from the corners of the black plastic bezel.
- Remove the remaining seventeen 4.4 mm T5 screws from the perimeter of the bezel.
- Once all screws have been removed, lift and remove the bezel from the rest of the device.

Step 4



- Remove the two 2.19 mm T3 screws that hold down the SD card ribbon cable.
- Remove the two 3.27 mm T3 screws holding down the charging port.

Step 5



- Use a spudger to pry up the retaining plate at the end of the ribbon cable.
 - ❗ The retaining chip may be glued to the motherboard.
- Use the spudger to flip up the small retaining flap on the cable's zero insertion force connector.
 - ⚠ Make sure you are prying up on the retaining flap, not the connector itself.
- Remove the ribbon cable from its port.
 - ❗ No force is needed to plug in or remove the ribbon cable.

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