



# Microsoft Surface Book Battery Replacement

Guide to help you replace a worn battery in the screen of a Surface Book.

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# INTRODUCTION

Use this guide to replace the battery in the screen portion of the Surface Book. The lower/keyboard portion has its own separate battery, and replacing that requires additional instructions.

## TOOLS:

- [Metal Spudger](#) (1)
- [Tweezers](#) (1)
- [Spudger](#) (1)
- [T3 Torx Screwdriver](#) (1)
- [T5 Torx Screwdriver](#) (1)

## PARTS:

- [Surface Book \(1st Gen\) Replacement Tablet Battery](#) (1)

## Step 1 — Screen



- Turn off your Surface Book and detach the display.
- [Heat and apply an iOpener](#) or use a hair dryer or heat gun to heat the perimeter of the display, in order to soften the glue securing it.
- Use a suction cup or [iSclack](#) or pull up on the edge of the display, and create a slight gap between the display glass and the frame.
- Insert an opening pick into the gap.
  - ⚠ Use only gentle force with the pick, and keep the display very hot (slightly too hot to touch). If you use too much force and/or allow the glue to harden, the glass will crack.

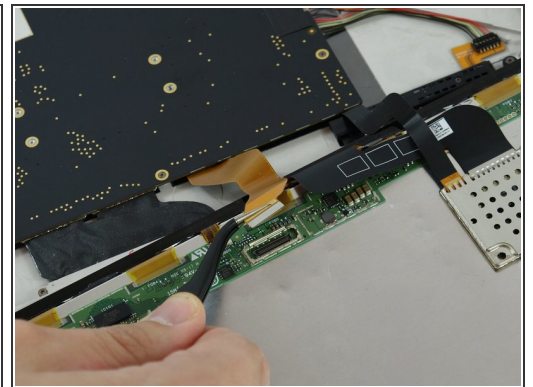
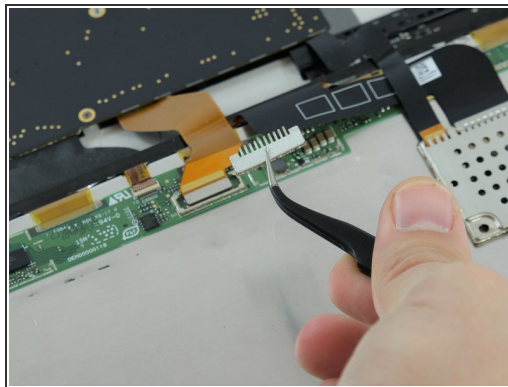
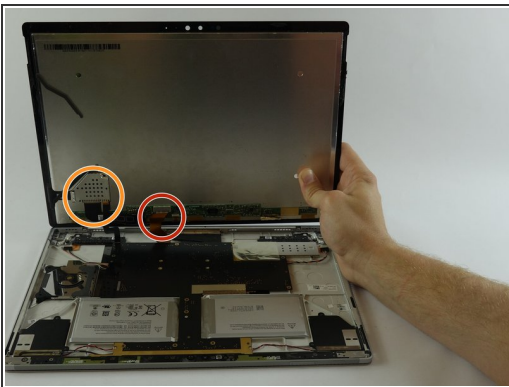
## Step 2



- Use the pick to slice all the way around the perimeter of the display to separate the glue.

⚠ Gently raise the display, but don't try to fully detach it until the cables underneath are disconnected.

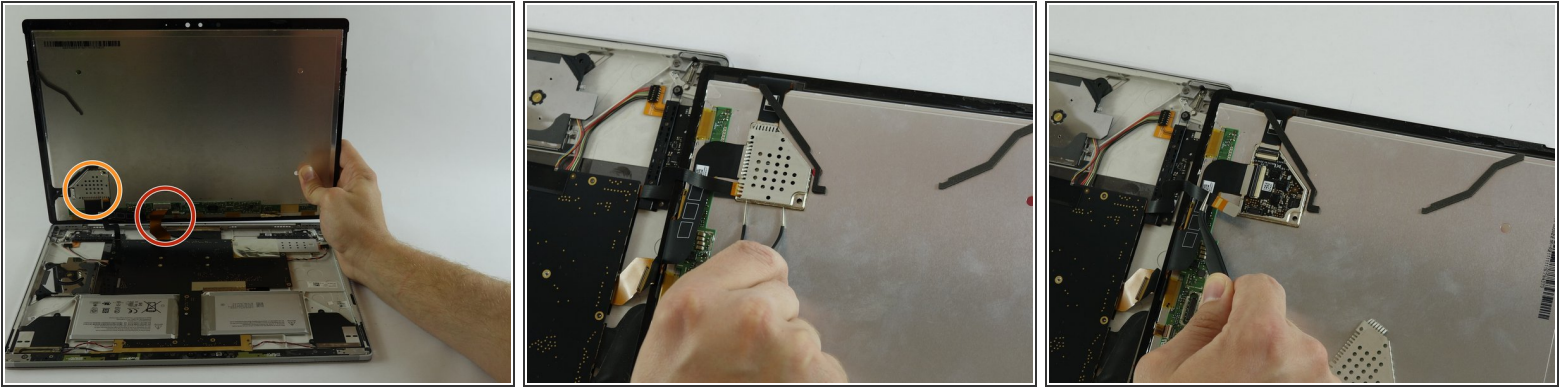
## Step 3



- The ribbons are circled. Begin by removing the ribbon on the right (in red). With the curved tweezers, carefully remove the metal bracket to expose the end of the ribbon. Remove ribbon.

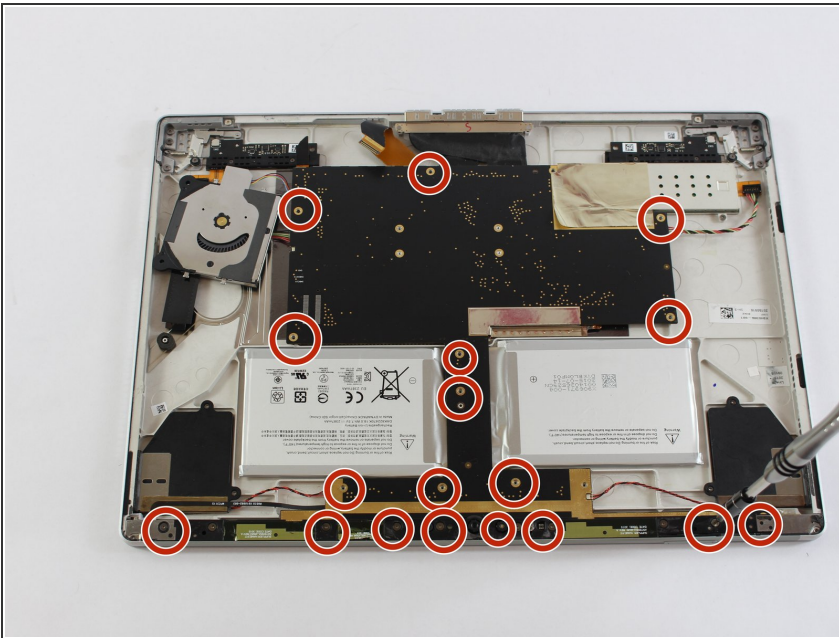


## Step 4



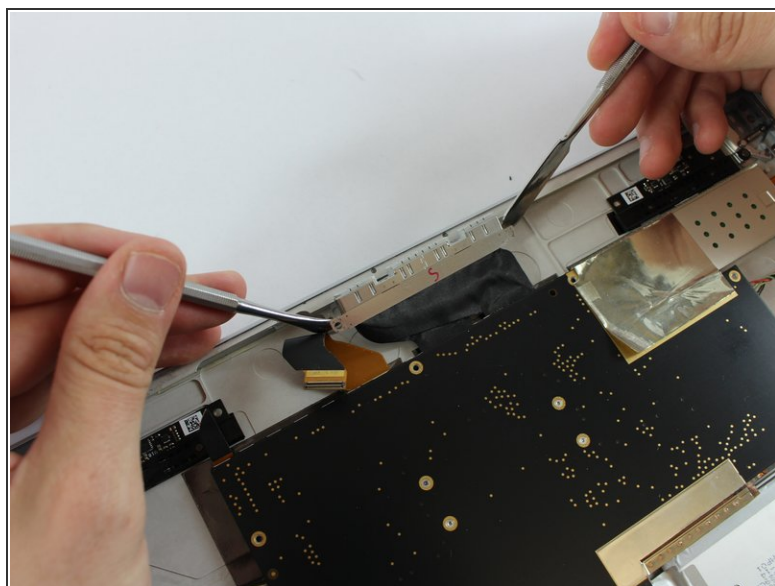
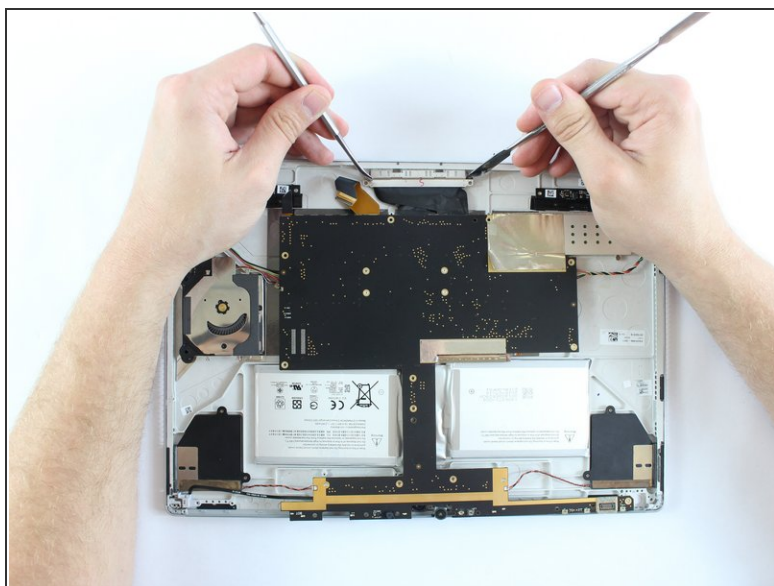
- Next, remove the metal shield covering the other ribbon. Then remove the ribbon.

## Step 5 — Battery



- Use a T3 Torx driver to remove 18 screws.

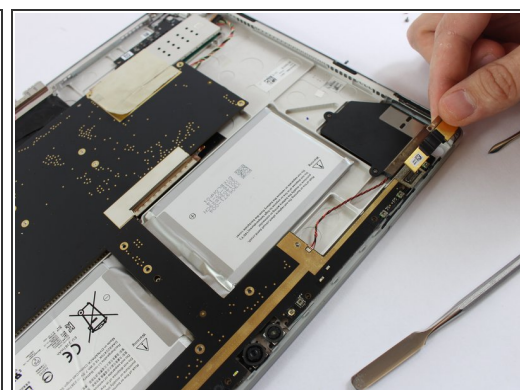
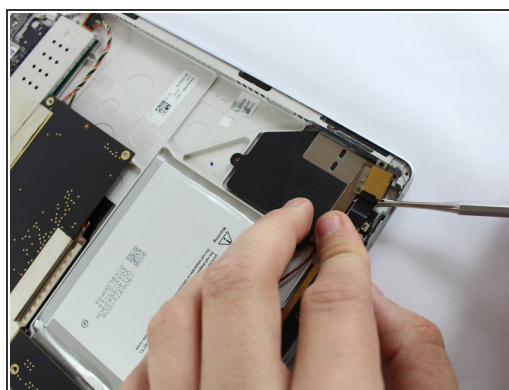
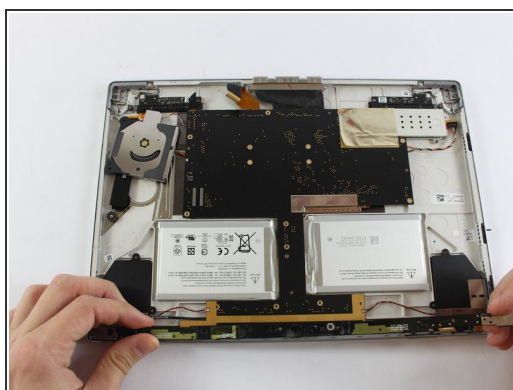
## Step 6



- Next, disconnect the ribbon from the charging port.

⚠ Ensure that you gently remove the ribbon.

## Step 7



- Remove the black plastic strip.
- Then use a spudger to remove the ribbon under the black strip.

⚠ Make sure that you gently remove the ribbon.

## Step 8



- Gently raise the motherboard slightly.

 Don't manhandle the motherboard.

- Use a spudger to gently pry the battery. The battery runs underneath the motherboard. Pull free to the right.

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