



Samsung Galaxy Tab S3 Battery Replacement

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INTRODUCTION

It is normal for lithium-ion batteries, such as the one found in the Galaxy Tab S3, to sustain damage after each charge cycle and eventually degrade over time. Most tablet batteries are designed to last about 2 to 3 years before becoming too worn out for normal use. If your battery is worn out and no longer holds a charge, you might want to consider replacing it. This guide will show you how to properly remove and replace the battery.

TOOLS:

[Spudger](#) (1)
[iFixit Opening Tool](#) (1)
[Plastic Cards](#) (1)
[iOpener](#) (1)
[Microwave](#) (1)
[Phillips #000 Screwdriver](#) (1)


PARTS:

[Galaxy Tab S3 9.7 Battery](#) (1)

Step 1 — Display



- To soften the adhesive holding the tablet together, heat up the edges of the glass panel using a heated **iOpener** on the edge of the device. Alternatively you can use a heat gun to loosen the adhesive.
- Leave the **iOpener** on edge for two minutes.

 Be careful not to burn yourself while handling the hot **iOpener**. For more information on the **iOpener**, use the [iOpener Instructions Guide](#).

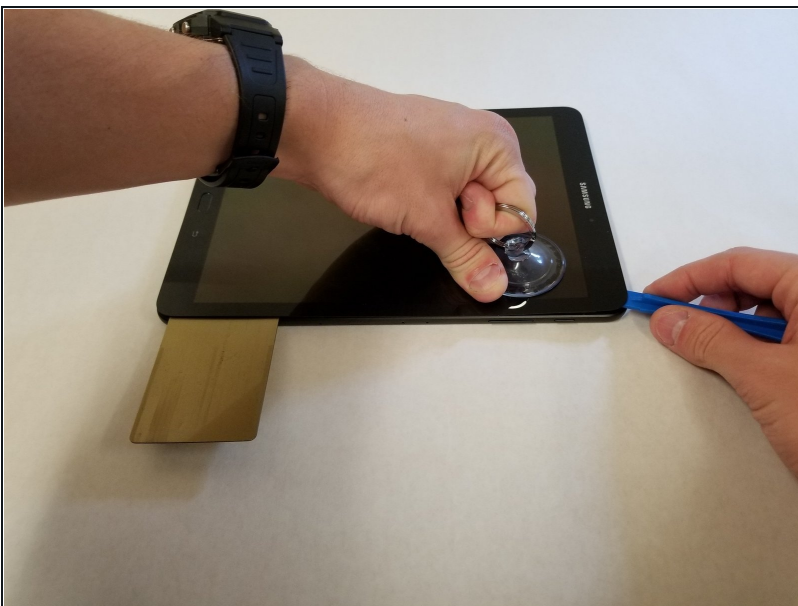
Step 2



- Place a **suction cup** near edge that you heated up with the **iOpener**.
- Press down on the **suction cup** to create a seal, and pull up with force to create a separation between the display and the midframe.
- Use an **opening tool** to split apart the glass panel from the midframe.

⚠ Be careful to not break the glass when prying from the frame.

Step 3



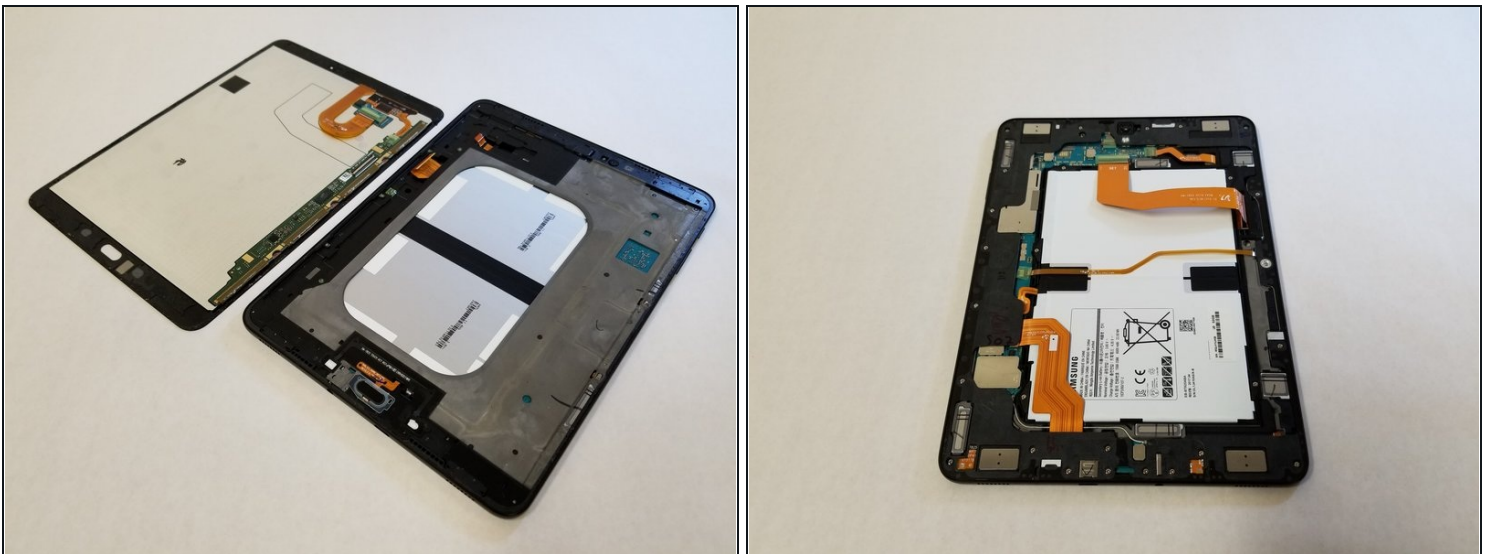
- As you continue along the edge using the **opening tool**, use a **plastic card** to keep the glass separate from the midframe.
- ① You can also use multiple **opening picks** instead of a **plastic card**.

Step 4



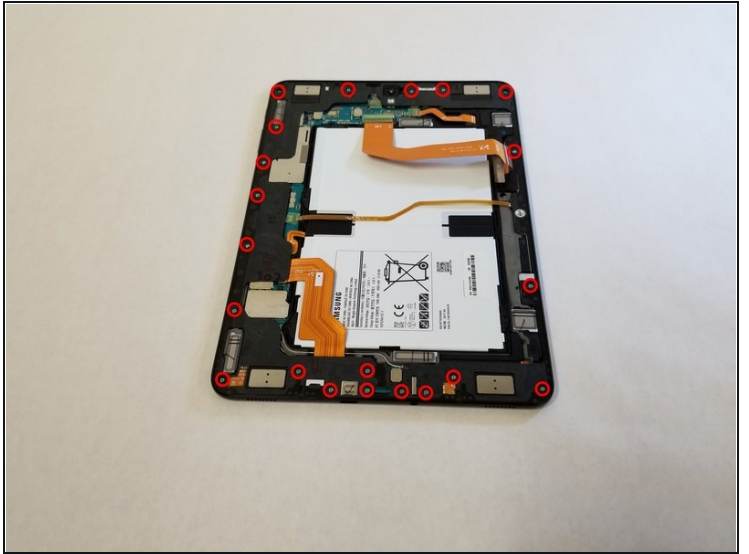
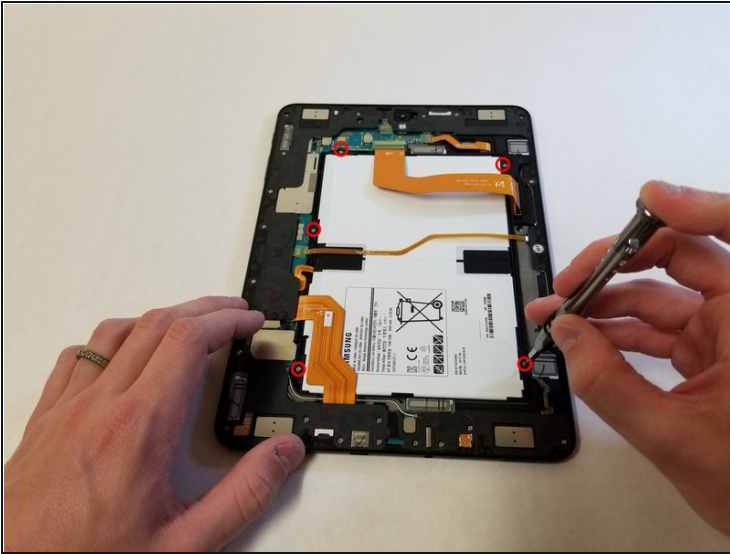
- Pull off the glass panel using the **suction cup**.
 - ① As you remove the glass panel, be careful not to tear the ribbon connecting the motherboard to the display.
- Carefully disconnect the **ribbon cable** connecting the display assembly to the motherboard. You can disconnect this ribbon from either end.

Step 5 — Rear glass panel



- Repeat steps 3 through 7 to remove the rear glass panel on the opposite side of the device.

Step 6 — Battery



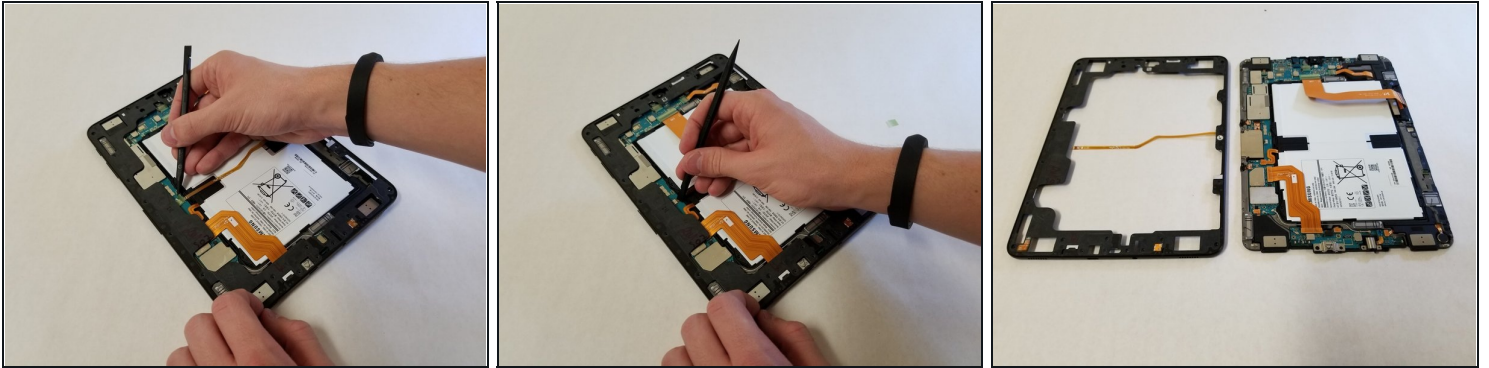
- Use a Phillips #000 screwdriver to unscrew the five screws securing the battery, and the twenty-two screws surrounding the midframe.

Step 7



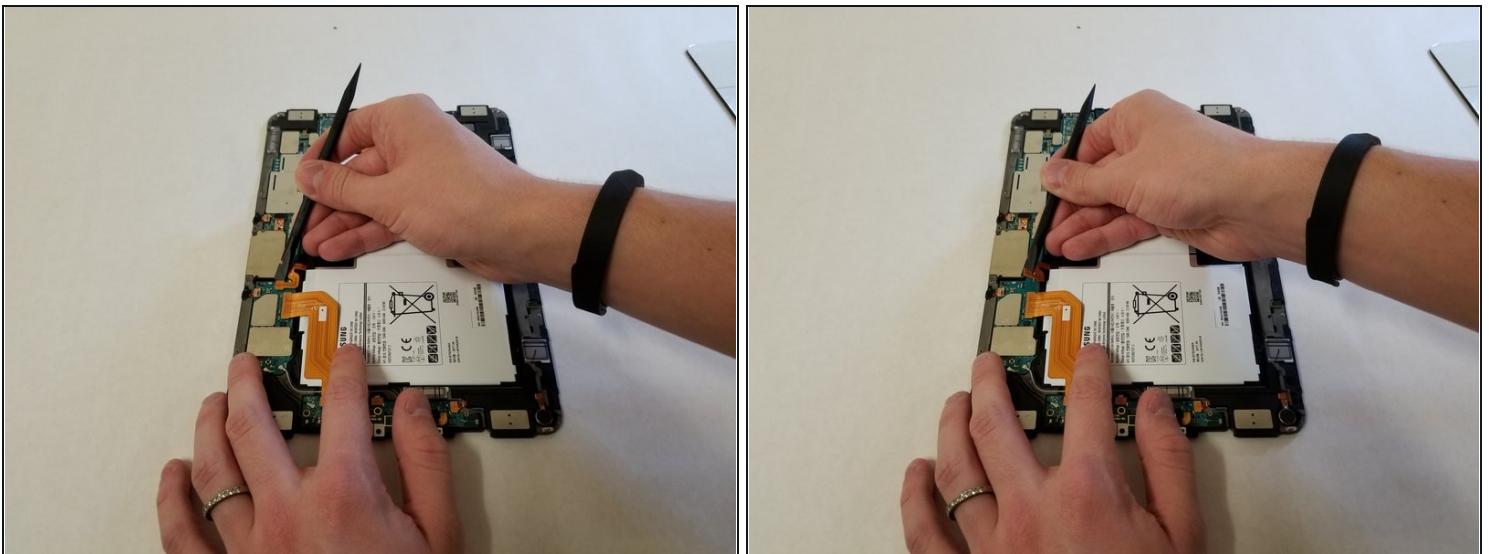
- The midframe should snap off from the device's motherboard.

Step 8



- Locate the ribbon running from the midframe and disconnect it from the motherboard with the flat end of a **spudger**.

Step 9



- Use the flat end of the **spudger** to pop off the connector between the battery and the motherboard.

Step 10



- Flip the midframe over and pop the battery out, making sure to slide it out from underneath the ribbon cables.

Step 11



- The battery should now be removed and detached from the device.

To reassemble your device, follow these instructions in reverse order. If you have removed too much adhesive, you may need to apply more during the reassembly process.