Samsung Galaxy S6 Active Headphone Jack Replacement

How to replace the headphone jack of a Samsung Galaxy S6 Active.

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INTRODUCTION

If your Samsung Galaxy S6 Active isn't producing clear audio through headphones or auxiliary speakers, use this guide to replace the headphone jack.

Before using this guide, inspect the headphone jack for any debris that may be affecting the sound quality of the phone. Typically, a small buildup dust can be cause of the headphone jack not functioning properly. Be sure to use an ESD-safe brush or a small dust blower to remove this buildup of dust. Test a few sets of headphones or auxiliary cords with your phone to confirm that the faulty part is coming from the Samsung Galaxy S6 Active's headphone jack.

Before beginning, make sure to completely power off your phone and disconnect it from any external power source.

🔧 TOOLS:

- JIS Driver Set (1)
- iOpener (1)
- Suction Handle (1)
- Phillips PH000 Screwdriver (1)
- iFixit Opening Tools (1)
- Spudger (1)

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Step 1 — SIM Card

- Insert your fingernail or a plastic opening tool into the pivot on the side of the SIM tray.

- Pry open the tray to get it out of the socket.

Step 2

- Remove the SIM tray with SIM card from the phone.

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Step 3 — Display Assembly

- Heat the front face (sides, top, bottom) of the phone with the iOpener, a hair dryer, or a heat gun for 60 seconds to loosen the adhesive around the edge of the glass.

- (i) If using an iOpener, heat it in a microwave for thirty seconds.

Step 4

- Attach a suction cup to the lower half of the screen.

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Step 5

- Using the suction cup, pull gently the lower half of the panel.

⚠️ If you pull too hard you may break the display. If you still feel resistance repeat Step 3, leaving the iOpener on longer.

Step 6

- Once you've opened a large enough gap, insert a plastic tool at the bottom, between the glass and the rest of frame of the phone.

- Slide the plastic opening tool around the screen, prying the display gently away from the body
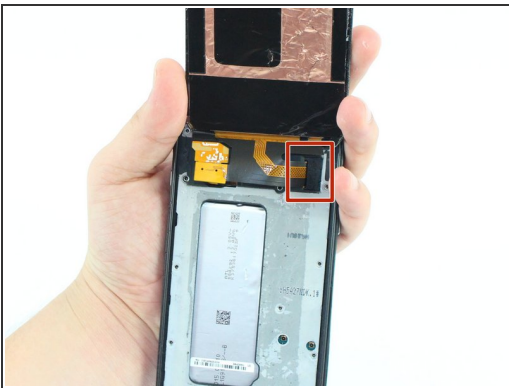
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Step 7

- Pull the lower half of the screen screen with the suction cup while holding down the frame of the phone to separate both components.
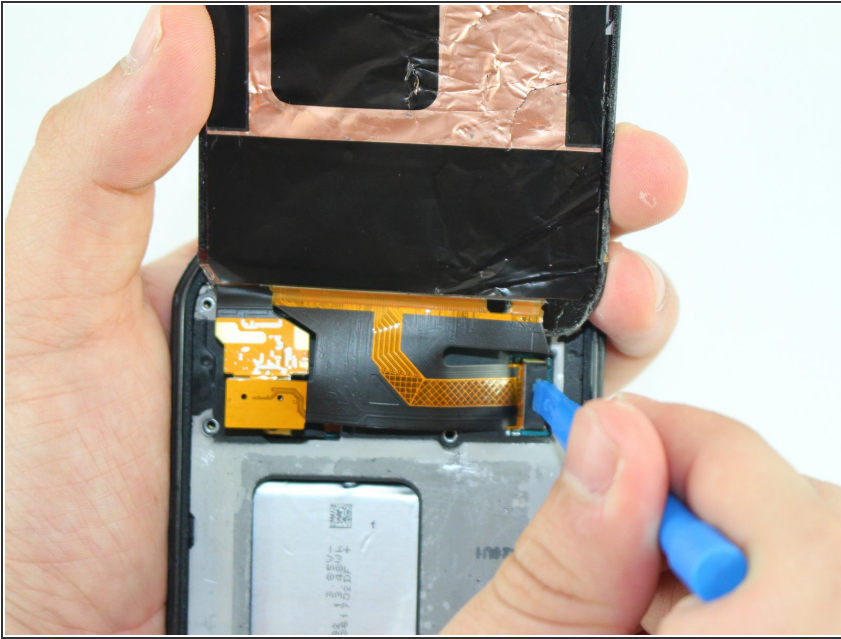
⚠️ Only lift the lower part of the screen. It is connected with a clip to the top of the motherboard and can rip off if you pull too hard.
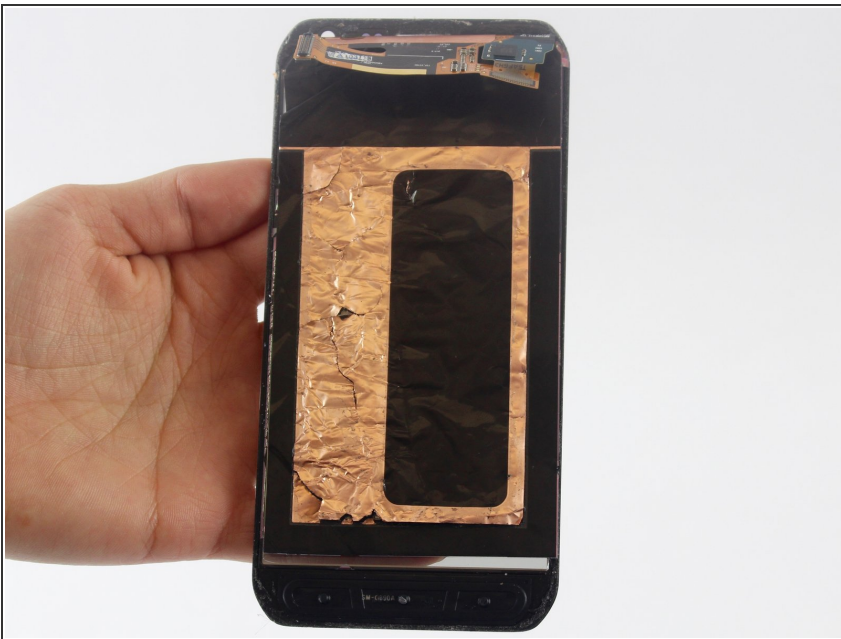
Step 8

- Once the glass is off, you will see a small clip covering the screen connection to the motherboard at the top of the phone. Use tweezers to grab the clip by the crease on its side and pull it out.

Step 9

- Undo the screen connection with a plastic tool.

Step 10

- Remove the display assembly (LCD and Digitizer).

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Step 11 — Battery

- Use the Phillips Head Screwdriver sized PH000 to remove the sixteen 4mm screws from the frame.

Step 12

- Put a little pressure on the top, on the bottom, and on the sides of the phone to separate the rear case.

- ⓘ You will hear the clips start undoing themselves.

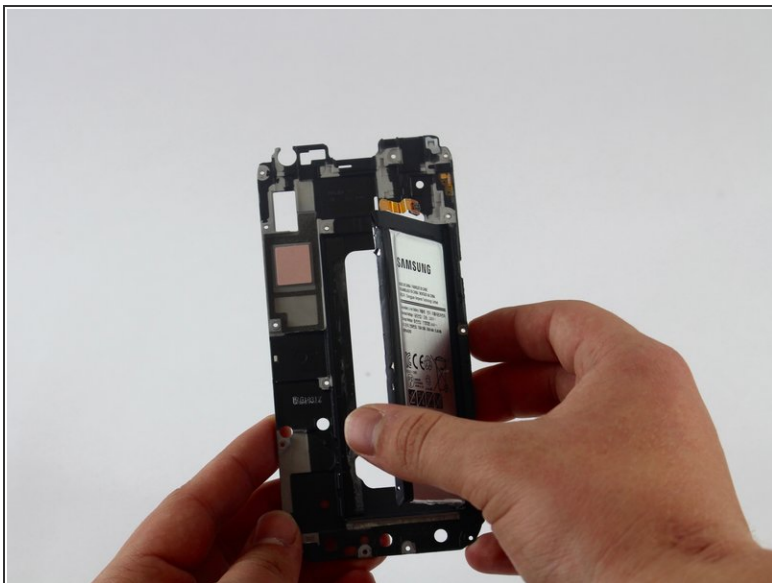This document was generated on 2020-11-28 07:46:21 AM (MST).

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Step 13

- Once all the clips have popped, pull out the rear case to separate it from the frame with the battery.

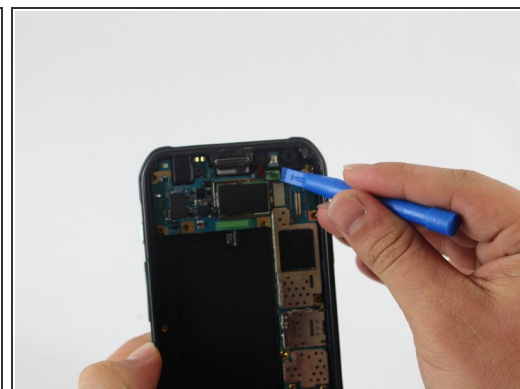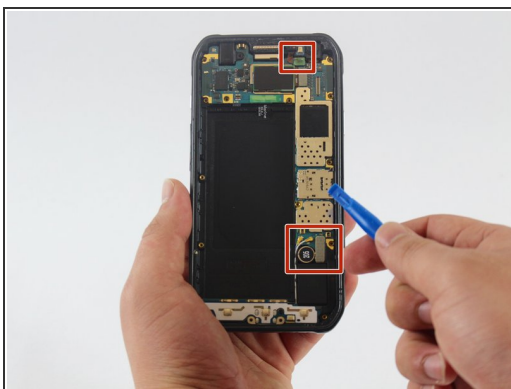- The battery will be on the back side of this frame.

Step 14

- Insert a plastic opening tool on the side of the frame and pull out the battery.
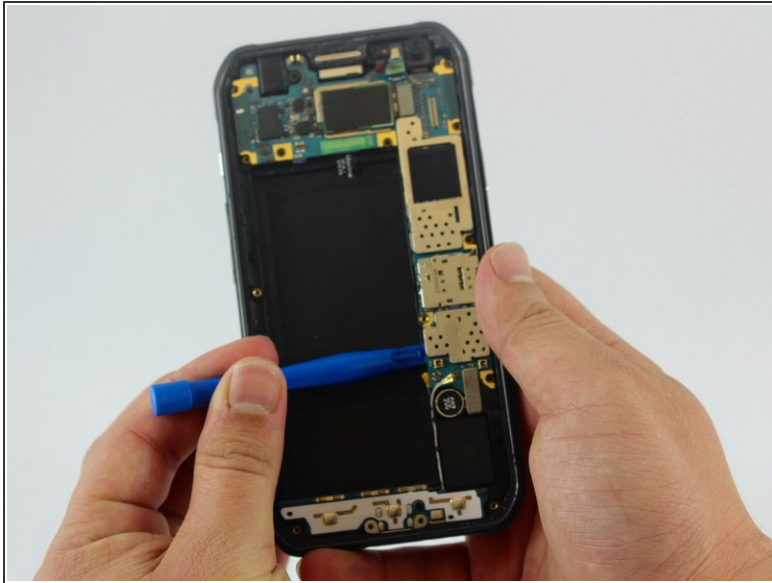
Step 15

- Remove the battery from the frame.

Step 16 — Motherboard

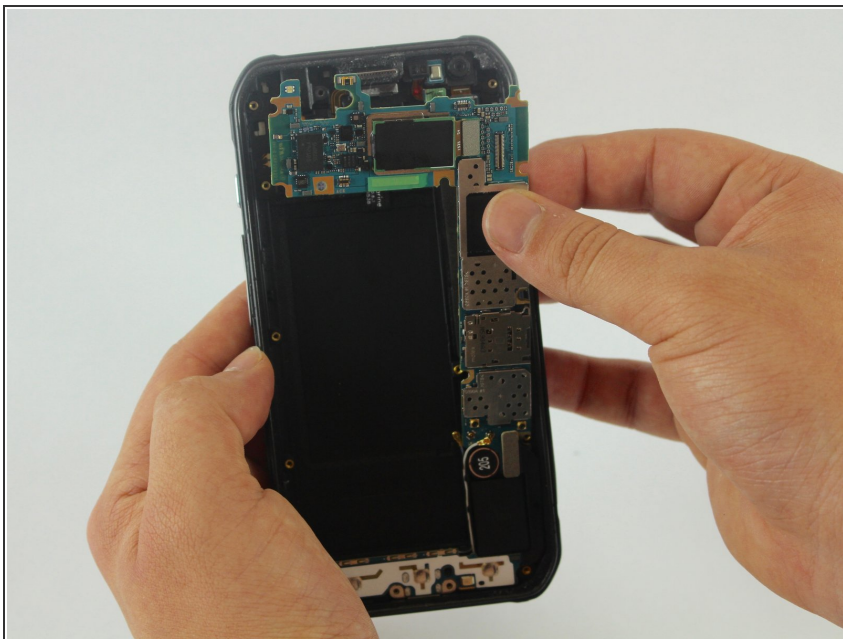- Use a plastic tool to undo all the connections in the motherboard.

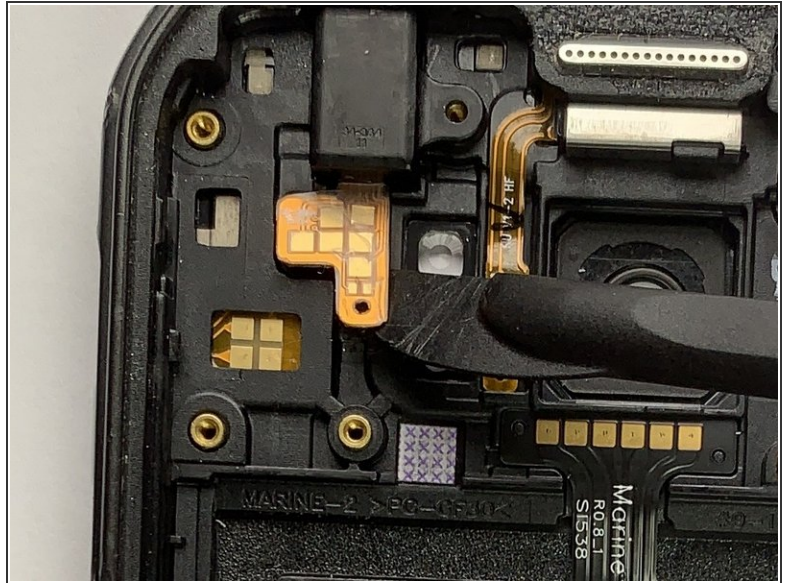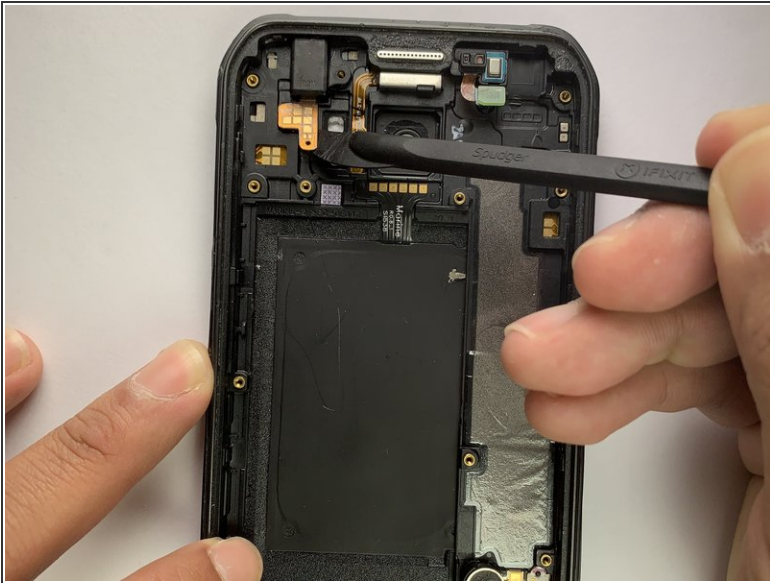ⓘ There are three connections that have to be removed.

Step 17

- Insert the flats end of the spudger below the motherboard and twist it to pry the board up.

Step 18

- Remove the motherboard from the rear case.

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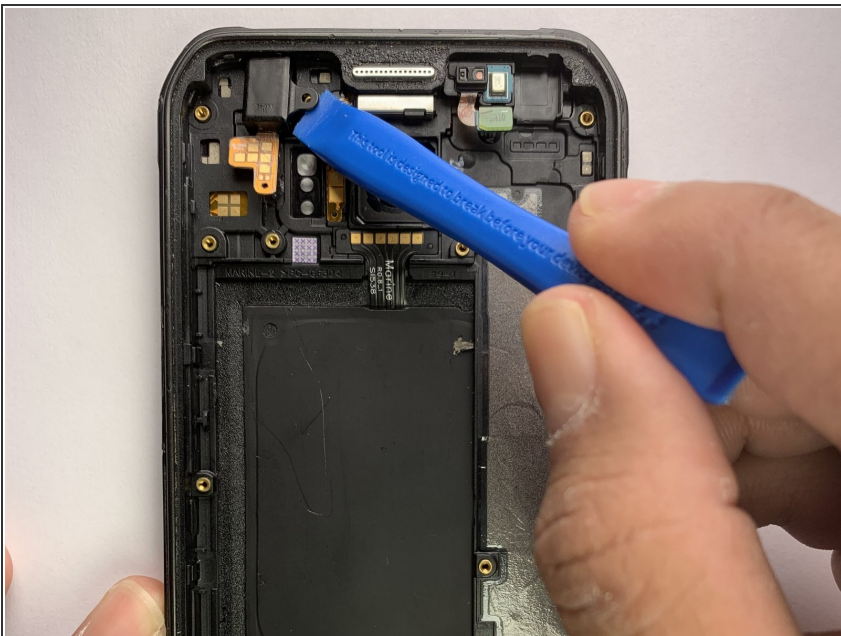
Step 19 — Headphone Jack

- Insert a spudger at the bottom, between the headphone jack connection and the rear case, to loosen the headphone jack.

⚠️ Be sure to pry the headphone jack connection carefully because it is glued to the rear case.

Step 20

- Use a plastic opening tool to pry the headphone jack up, and remove the headphone jack from the rear case.

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

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