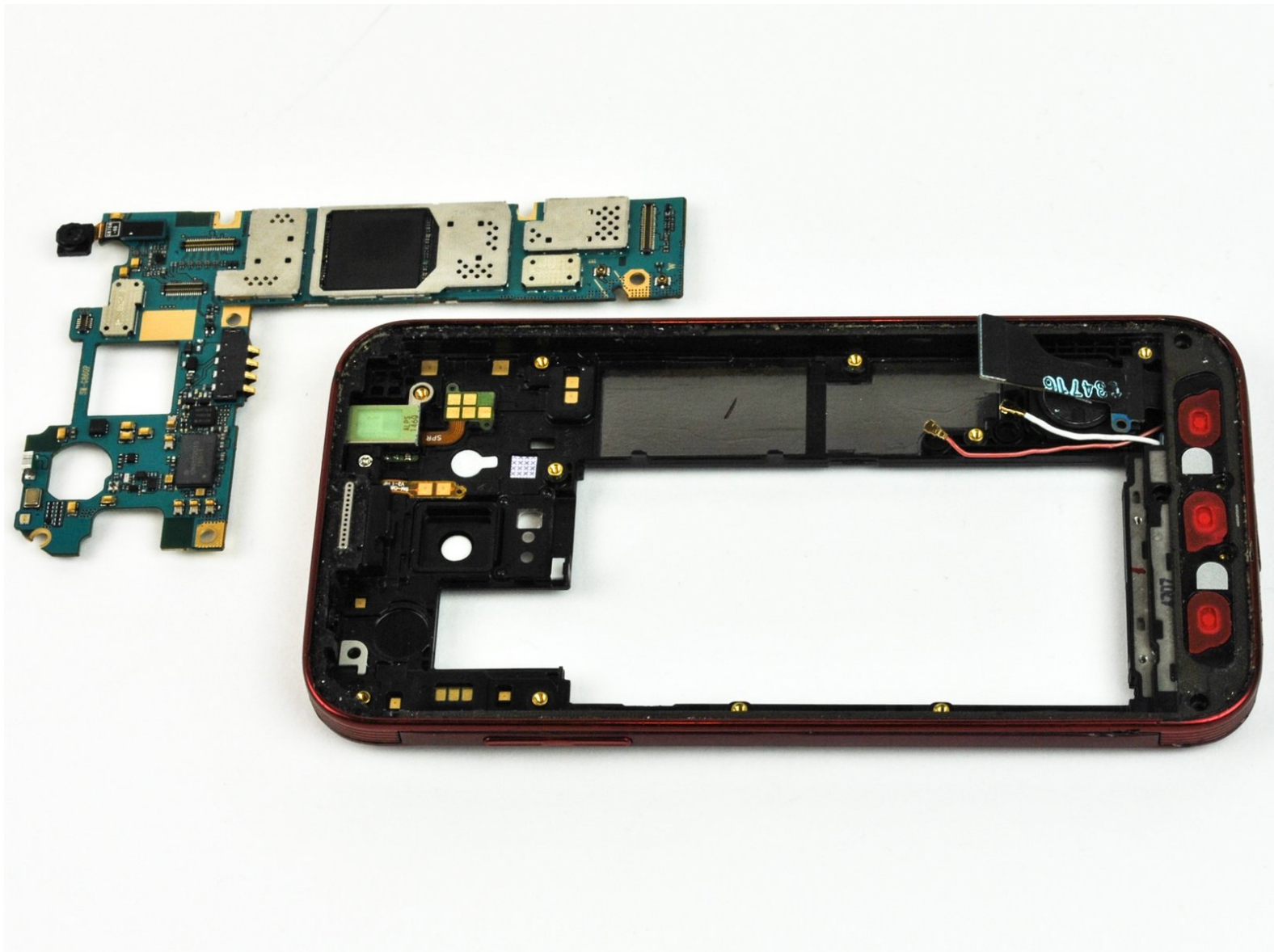




Samsung Galaxy S5 Sport Motherboard Replacement

This guide will show the user how to replace the motherboard of the screen.

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INTRODUCTION

This guide will show someone how to safely remove the motherboard from the device. It is rather easy to do after the front screen and the plate underneath it are removed.

Note: In order to replace the motherboard, you will have to remove the screen. Because this is a waterproof phone the screen will most likely break during its removal. Be prepared to have to replace the screen as well.



TOOLS:

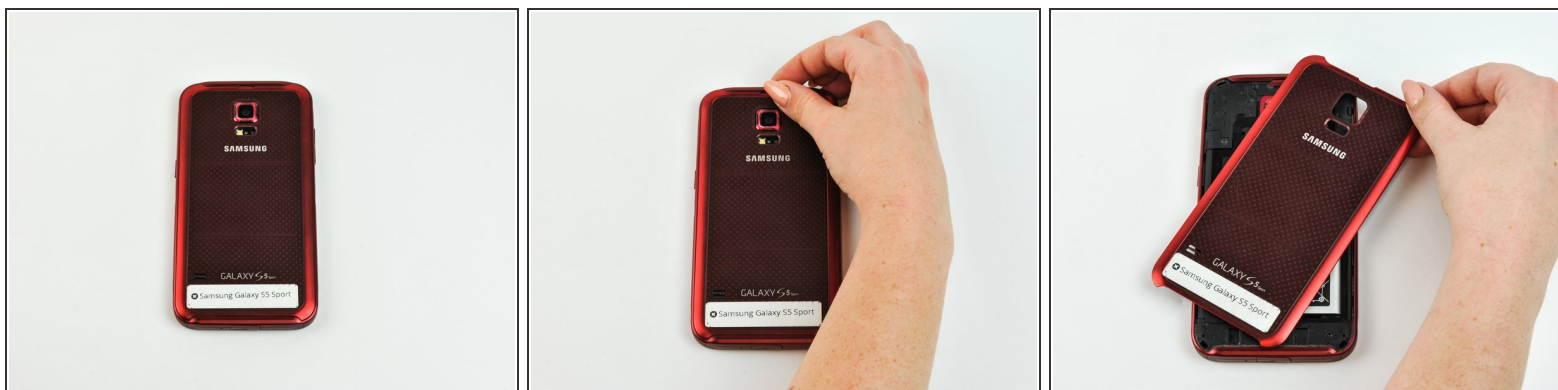
- [Heavy-Duty Spudger](#) (1)
- [Metal Spudger](#) (1)
- [Heat Gun](#) (1)
- [Phillips #000 Screwdriver](#) (1)
- [Tweezers](#) (1)
- [Flathead Screwdriver](#) (1)



PARTS:

- [Samsung Galaxy S5 Sport Motherboard](#) (1)

Step 1 — Battery



- Remove the back casing of the phone using the notch located at the top.

Step 2




- Lift up the battery using a plastic spudger or fingernail.

⚠ Damaging the battery may result in physical injury and/or damage to the phone.

Step 3 — Screen

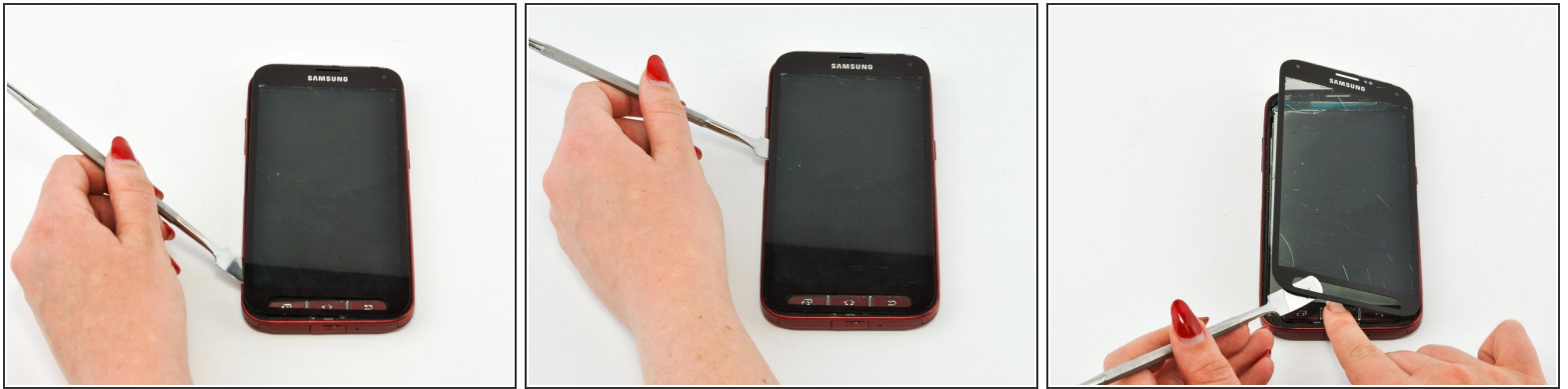


- Turn on the heat gun.


 Make sure you don't touch the metallic tip. You will burn yourself.


- Hold the heat gun roughly 6 inches away from the screen of the phone and slowly run the heat around the edge of the screen.
- ⓘ Keep at least 6 inches of distance from the screen. Keep moving the heat around to avoid warping the phone screen or internal parts.

Step 4



- Using a plastic opening tool or spudger, pry up the screen after the adhesive has melted.

 When working with electronics, it's important to choose a tool that's ESD-safe to avoid accidental damage to the device. The metal spudger is great when you need serious prying power, but the regular black nylon spudger or a plastic opening tool should be used whenever possible.

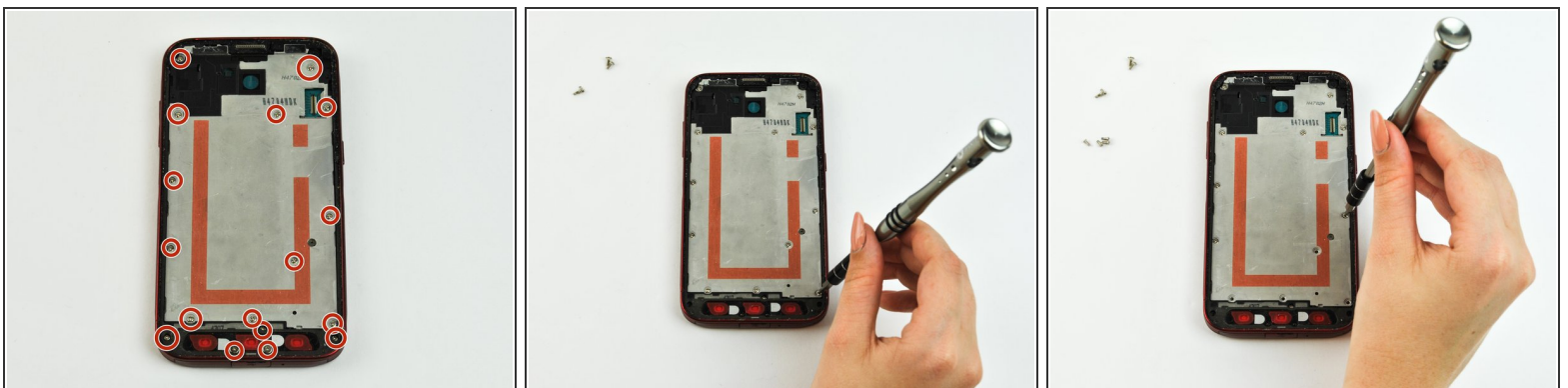
 Because it is a water-resistant phone, the screen cannot be taken apart without breaking.

Step 5



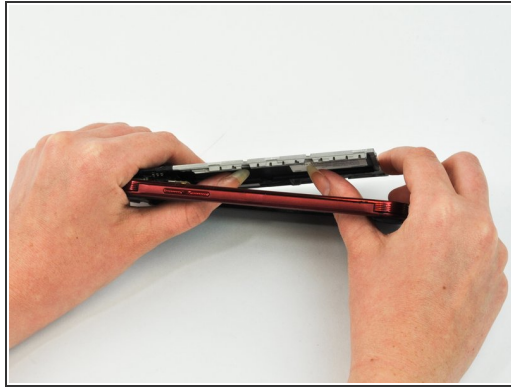
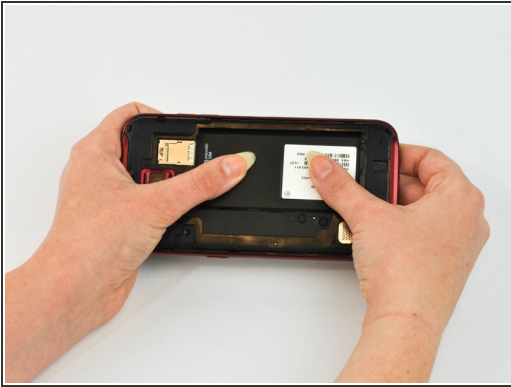
- The plastic cover of the phone may separate from the LCD screen. If so, also remove the LCD screen with the regular nylon spudger.
- ⓘ In the upper right area of the LCD screen, there is a connecting ribbon. Be careful not to rip its connection to the motherboard.
- ⚠ Do not hold the phone too close to your face or eyes. Small glass shards may dislodge or the metal spudger may slip.

Step 6 — Front-Facing Camera



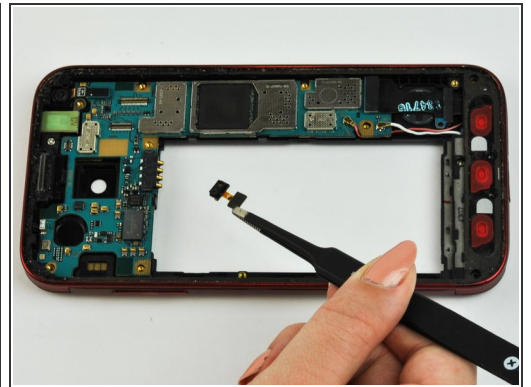
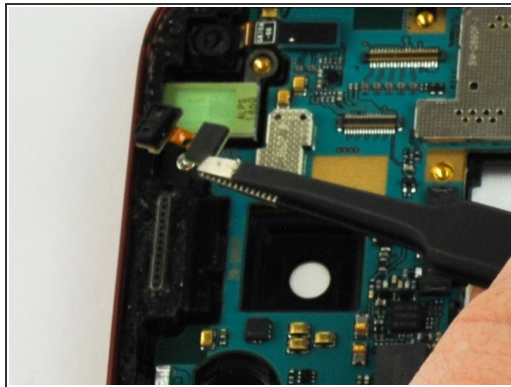
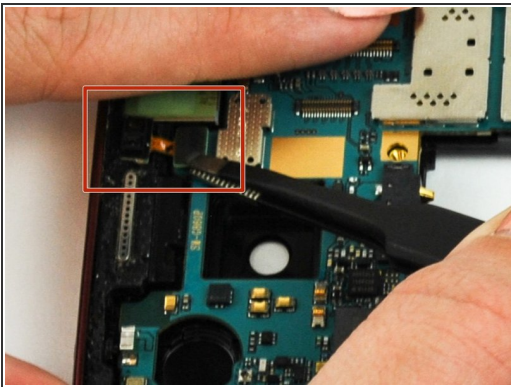
- Remove the screws around the plate

Step 7



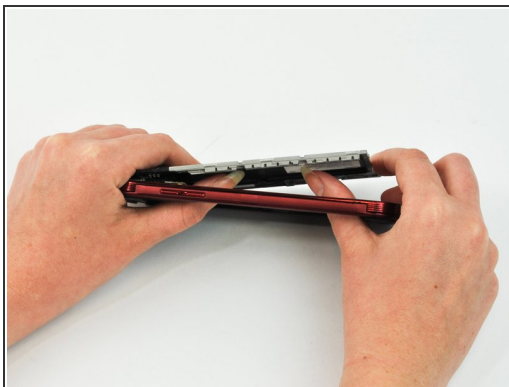
- Push the plate out by applying pressure to the battery cavity.

Step 8



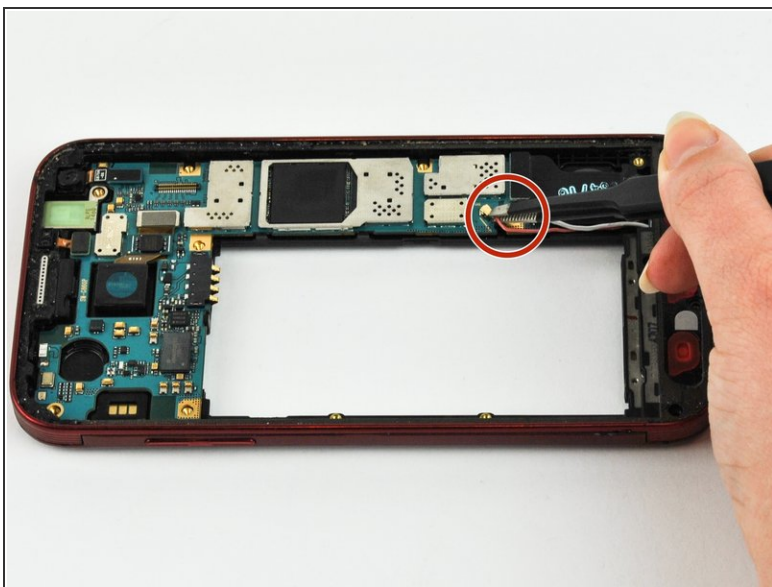
- Remove the camera from the plug at the top of the phone with tweezers. It should pop out fairly easily.

Step 9 — Motherboard



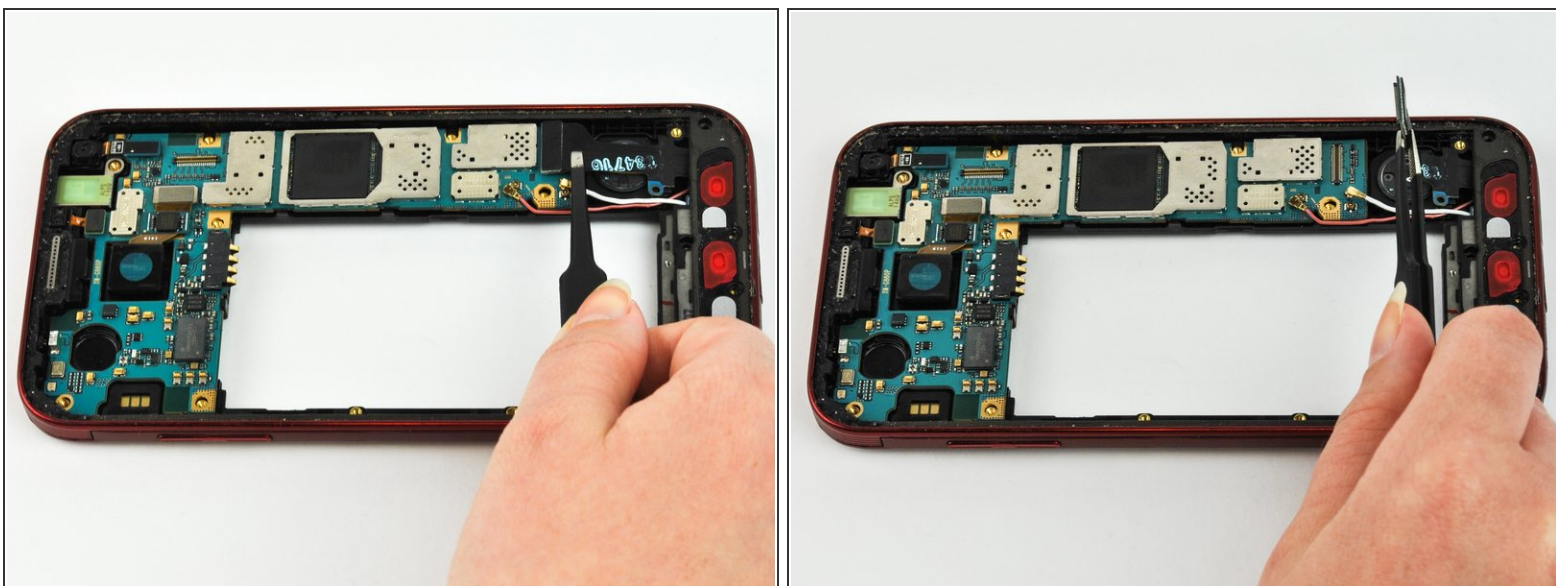
- Push the plate out by applying pressure to the battery cavity.

Step 10



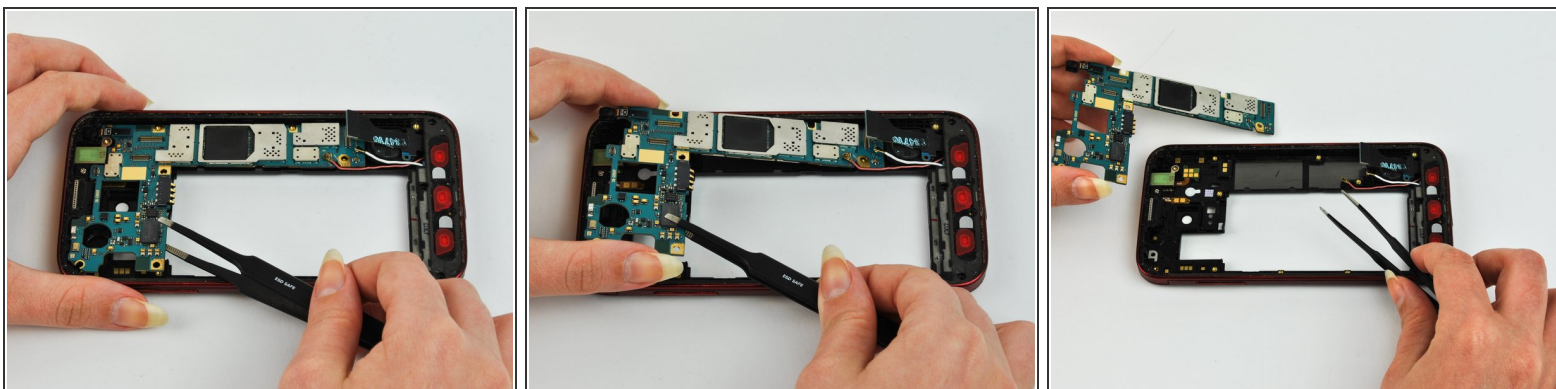
- Detach the pink and white wires by pulling gently on the metallic caps that connect them to the motherboard.

Step 11



- Remove the black connector above the wires by pulling straight up with tweezers.

Step 12



- Pull the motherboard out. It should lift easily out of the phone.

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