



Samsung Galaxy S Teardown

Taking apart a water damaged device.

Written By: valtteri



INTRODUCTION

Here we are with a broken, water damaged/bricked Samsung Galaxy S.

I've taken it apart before, so why not now.

Lets go!

TOOLS:

- [Metal Spudger Set](#) (1)
- [iFixit Opening Tools](#) (1)
- [64 Bit Driver Kit](#) (1)

Step 1 — Samsung Galaxy S Teardown



- The phone itself!
- Notice the bad lighting, dirty phone etc. just proves how hi-tec i am.

Step 2



- Removing the boring stuff. Back cover, battery etc.

Step 3



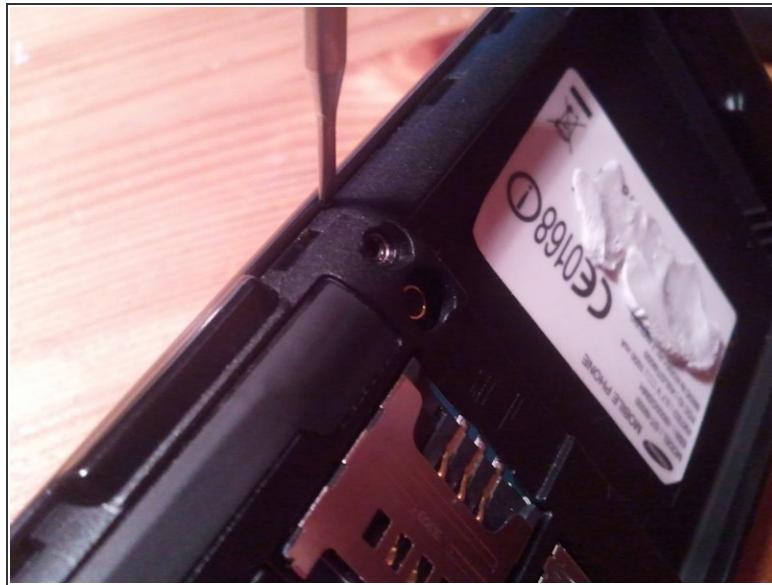
- The battery!
- It shows 1500mAh, decent.
- also the manufacturing date is shown.
- I added a piece of sticky tack, to cover up the IMEI code, again showing how hi-tec i am!

Step 4



- This is the point of no return when it comes to warranty.
- But that's okay, i'm using this phone for spares anyways.
- Sticky tack
- Screws, 7 to be exact!

Step 5



- Here comes the first tricky part. it's easiest to start right under the volume button, and work your way from there.

⚠ Be extremely careful if you are using metal tools like i am. it will easily damage components if you accidentally jam it in.

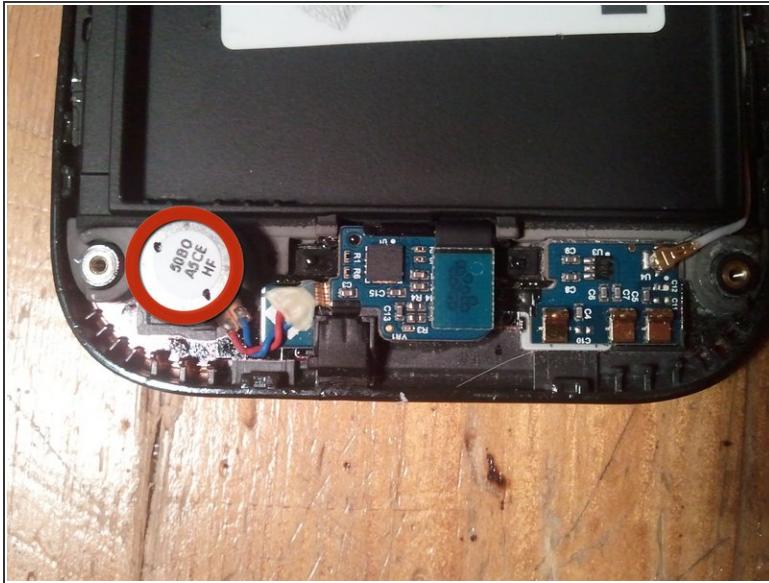
- And it's off!

Step 6



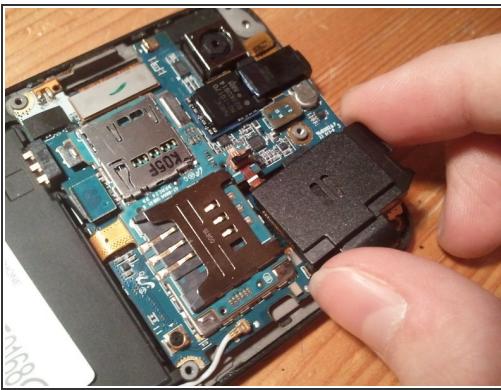
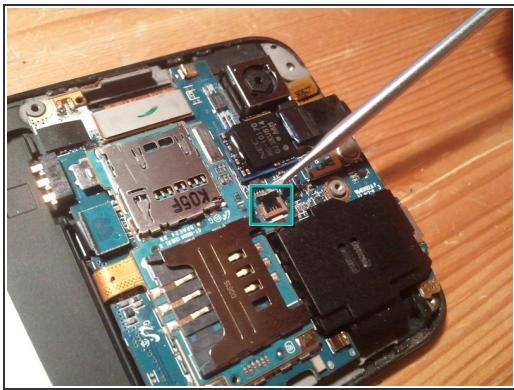
- Lets see the innards of this thing.
- The back camera.
- And the front facing camera
- The speaker, actually quite large.
- Water detector on the plastic cover, as you can see, this is a water damaged phone. normally you would see a purple pattern.
- Contacts, probably for antennas.

Step 7



- Better close ups of the components.
- Vibration motor

Step 8



- Taking off the speaker.
- Remember to lift the tab on me!
- And it's off!

Step 9



- Now for the camera!
- Both the rear and front camera are a single component.

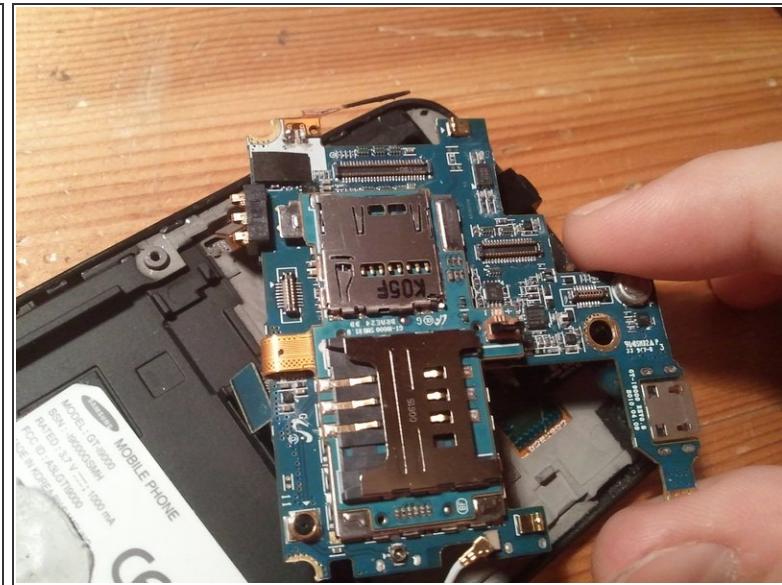
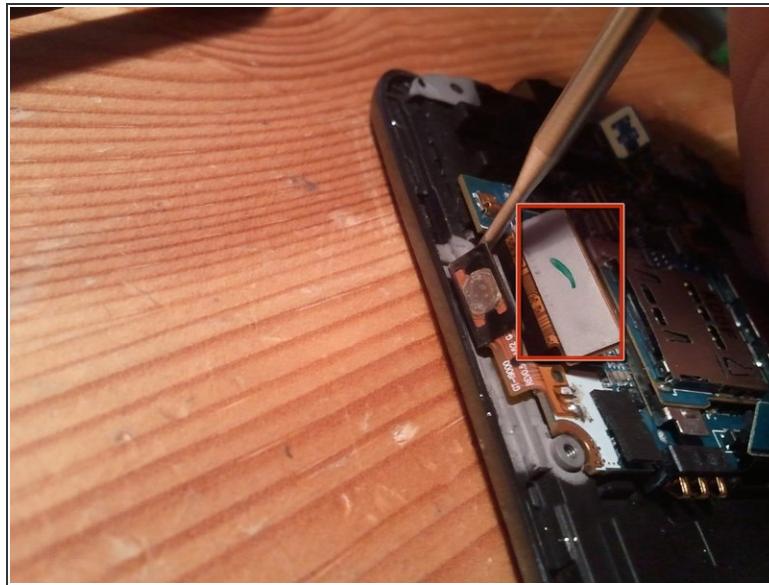
 Lift the connector in picture 2 carefully! lots of components under it.

Step 10



- Now for the motherboard!
- Detach all (4) of these to get the motherboard out.
- Done! (do not try to remove yet)

Step 11



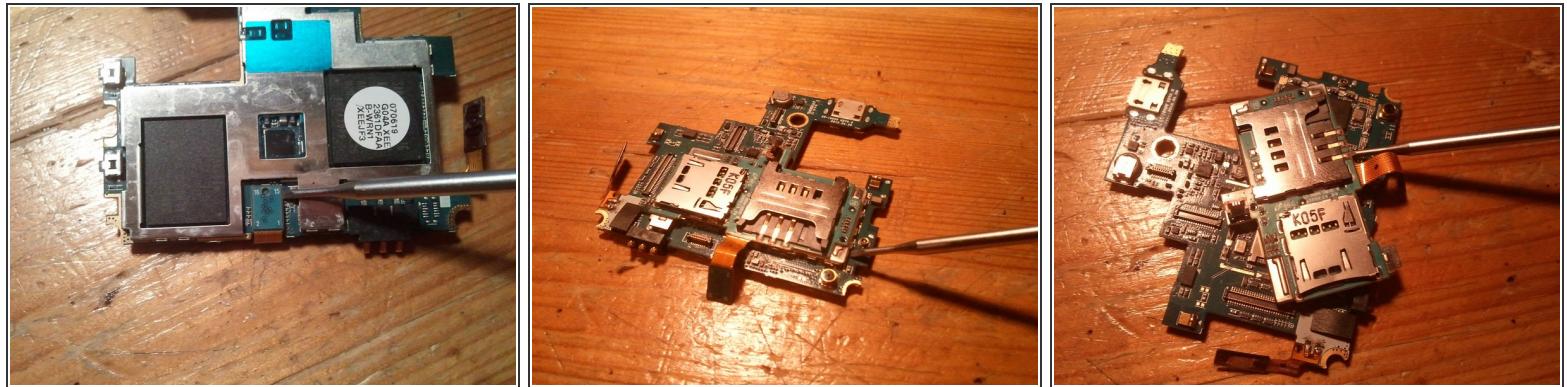
- Now detach the power button, its held down by a little bit of glue, not a big deal.
- Lift it carefully, making sure no connectors are stuck on. Especially the one marked red.

Step 12



- Front/back
- Flash memory.
- CPU running at 1Ghz, but can be overclocked.
- Volume buttons.
- Ill add more specific specs when i get around to it.

Step 13

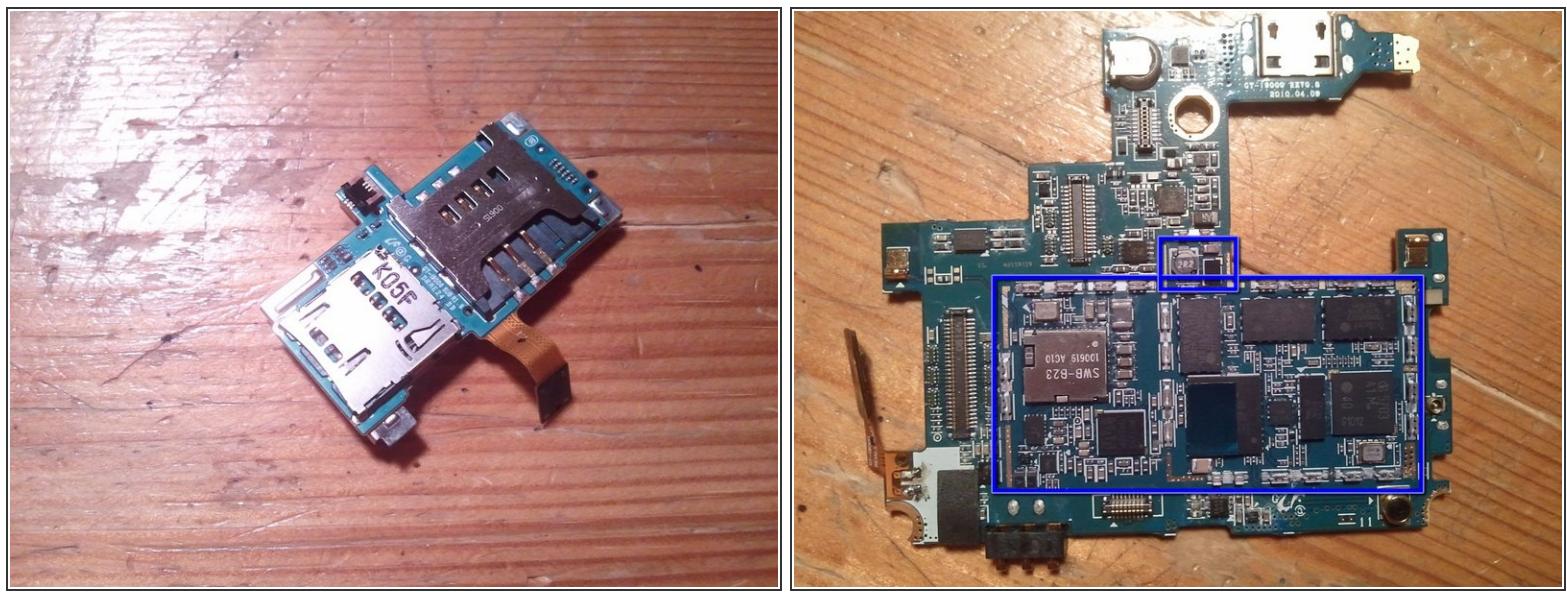


- Removing the cable for sim/sd card slot..

- And it's off.

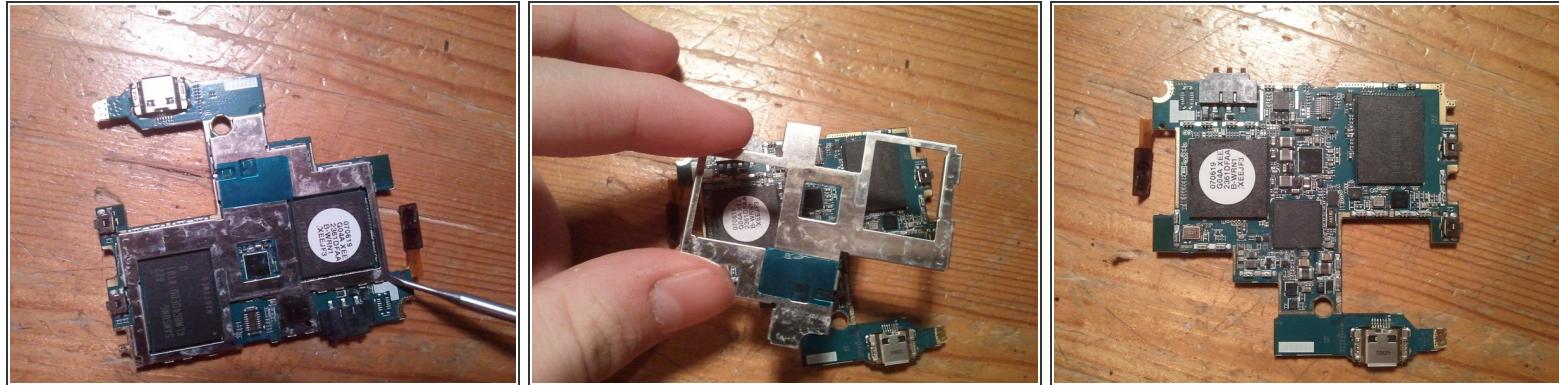
 Bad white balance, sorry!

Step 14



- The simcard/sd card slot.
- And the stuff underneath.

Step 15



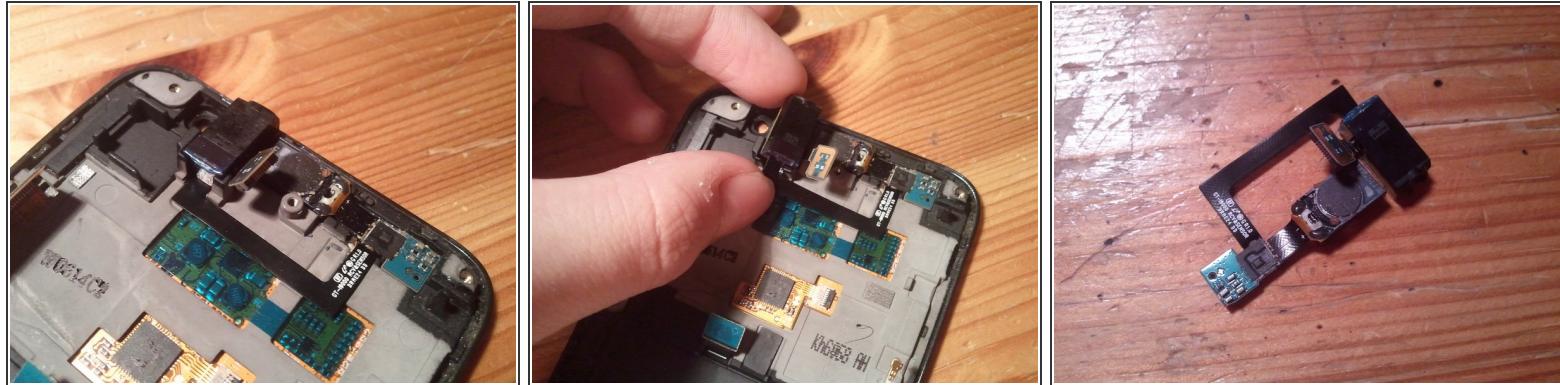
- Now for the metal Shielding on the back! again, more specs coming (hopefully) soon.

Step 16



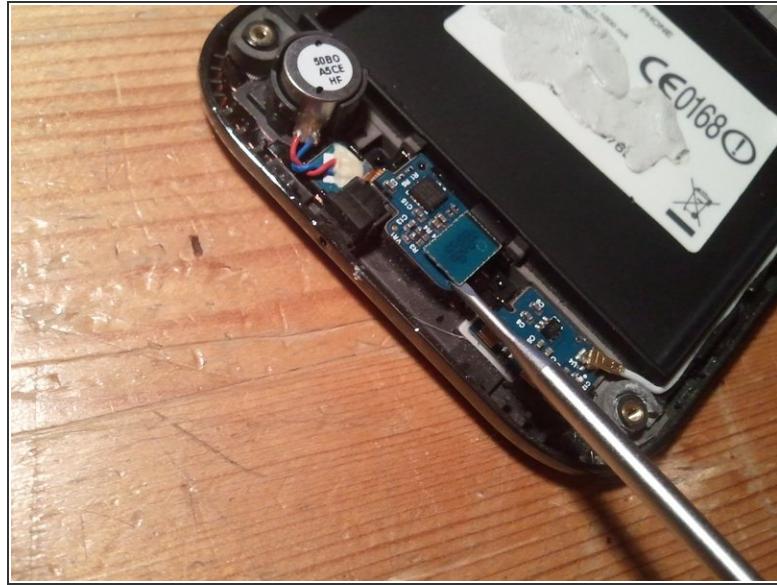
- Parts parts parts!
- And a bad white balance..

Step 17



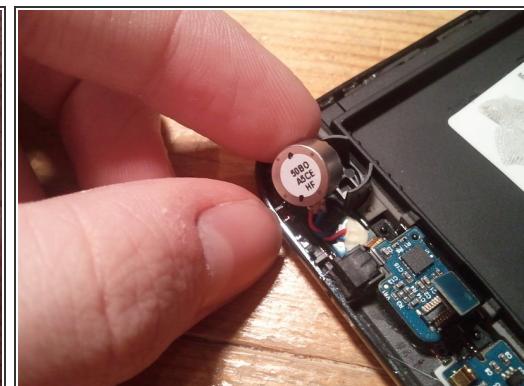
- Now for the component that holds the headphone jack, earpiece and both proximity and light sensor.
 - (i)* There is a cool app "androsensor" that lets you access all the sensors in your phone!
 - This thing quite literally just pulls off. you can remove it without any special tools!
- ⚠** Be careful not to tug on the cables too hard! there is some glue, but it peels right off.

Step 18



- Now for the bottom portion, including the Mic, vibrating engine and the antenna board.
- *(i)* I couldn't get it off completely, but i can give you a good picture of what it looks, lets see..
- We seem to be connected together!

Step 19



- Disconnect, unplug, take off..

Step 20



⚠ Be extremely careful when taking off these little boards, they're on tight! and they like to bend around.

Step 21



- see that? the AMOLED display is actually transparent!
- Can't go farther than this without a heat gun that I don't have. I tried removing the bezel, but with no luck.
- That's about it! Thank you for reading, and please give me feedback!
- This is my first teardown, and pictures were taken with a functional Galaxy S phone.