



# Samsung Galaxy S Teardown

Taking apart a water damaged device.

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## 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)
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## 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



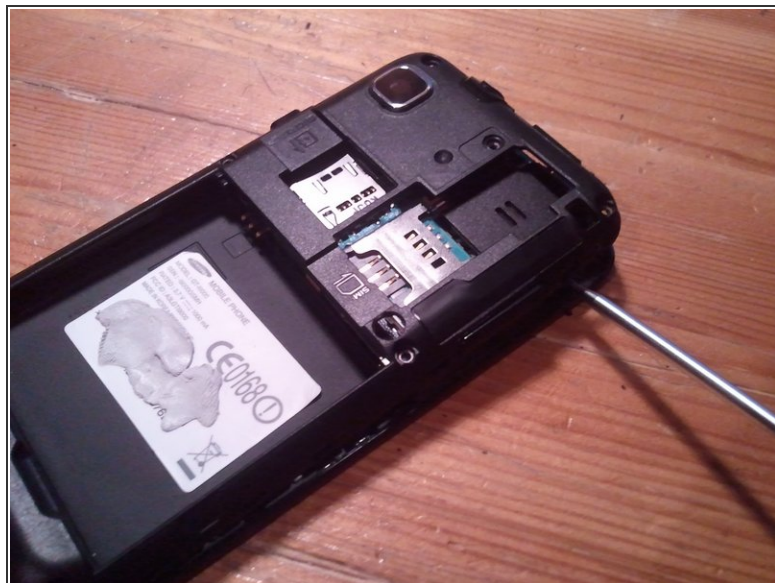
- The battery!
- It shows 1500mAh, decent.
- also the manufacturing date is shown.
- I added a piece of sticky tack, to cover up the IMEI code, again showing how hi-tec i am!

## 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



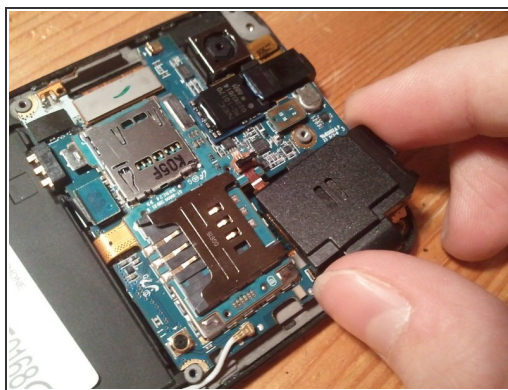
- Lets see the innards of this thing.
- The back camera.
- And the front facing camera
- The speaker, actually quite large.
- Water detector on the plastic cover, as you can see, this is a water damaged phone. normally you would see a purple pattern.
- Contacts, probably for antennas.

## Step 7



- Better close ups of the components.
- Vibration motor

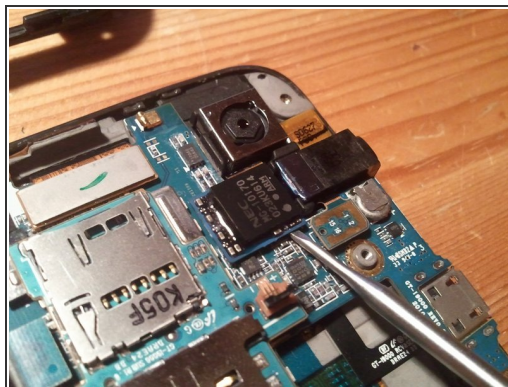
## Step 8



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



## Step 9



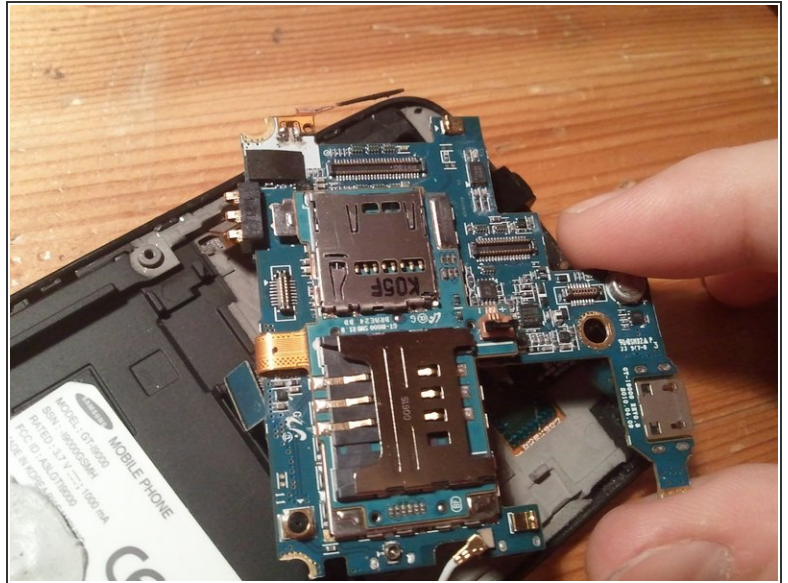
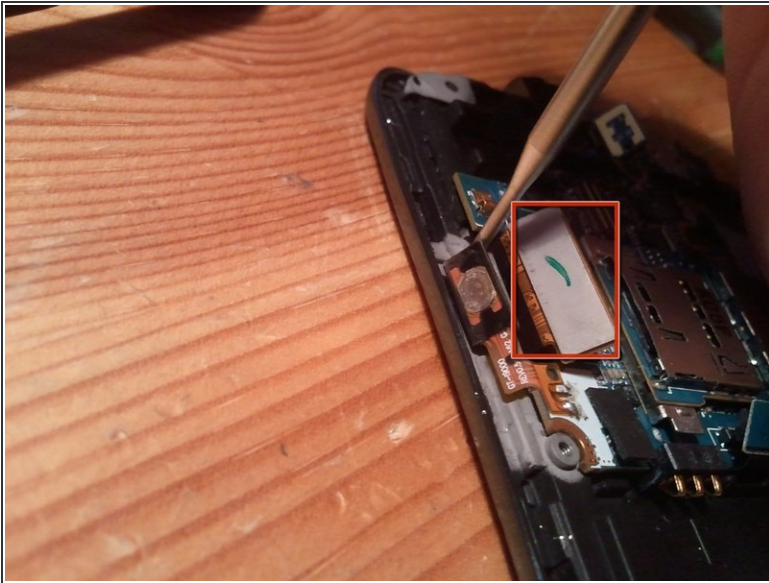
- Now for the camera!
  - Both the rear and front camera are a single component.
- ⚠ Lift the connector in picture 2 carefully! lots of components under it.

## Step 10



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

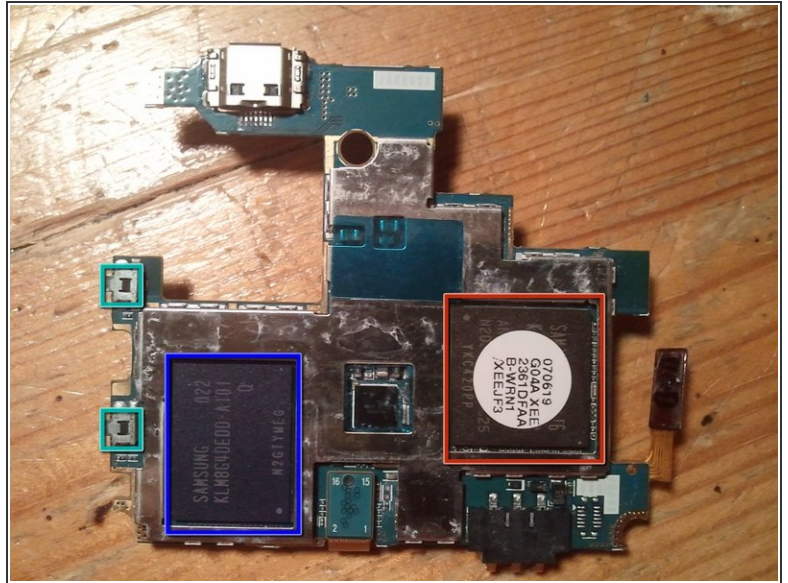
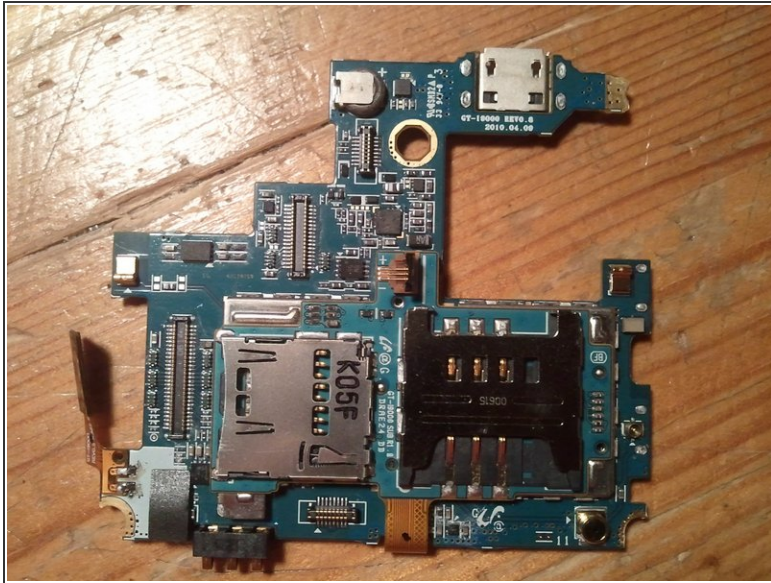
## Step 11



- 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.



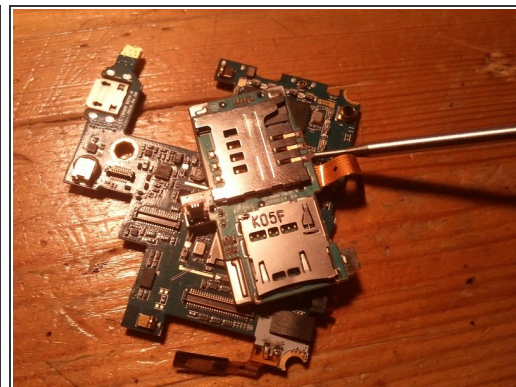
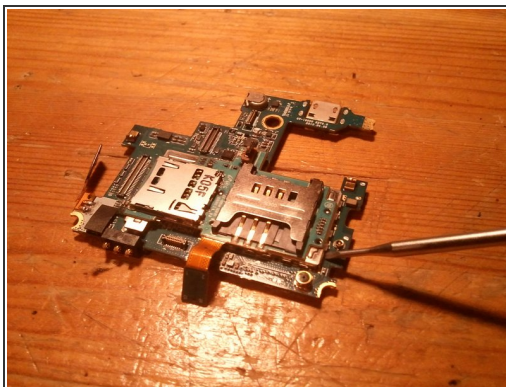
## Step 12



- 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.



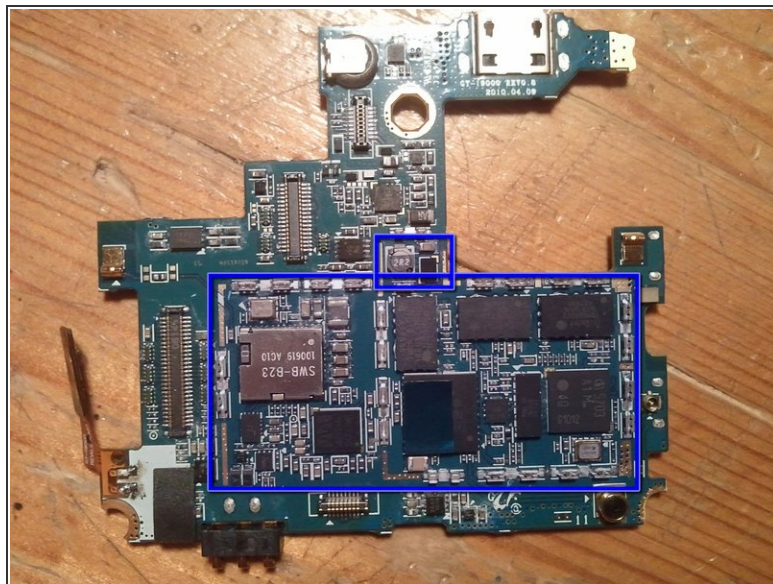
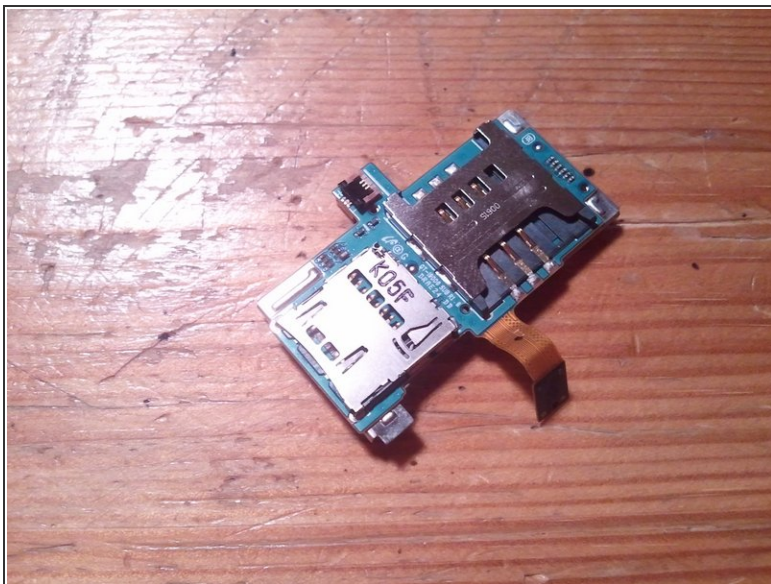
## Step 13



- Removing the cable for sim/sd card slot..
- And it's off.

✖ Bad white balance, sorry!

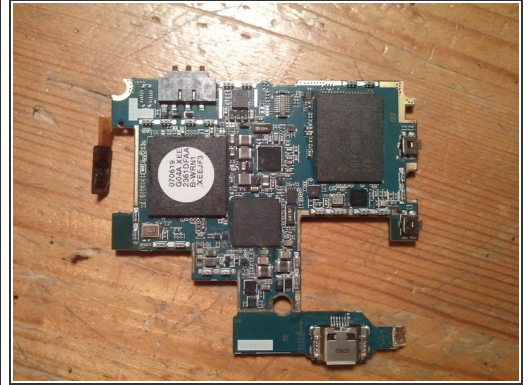
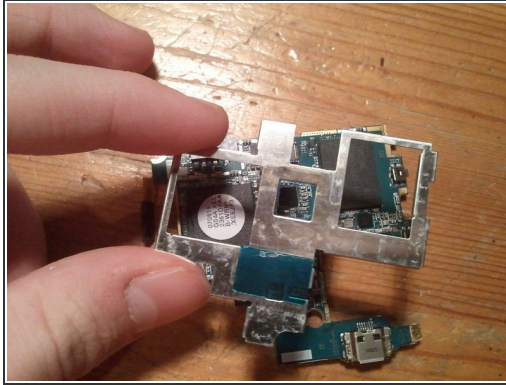
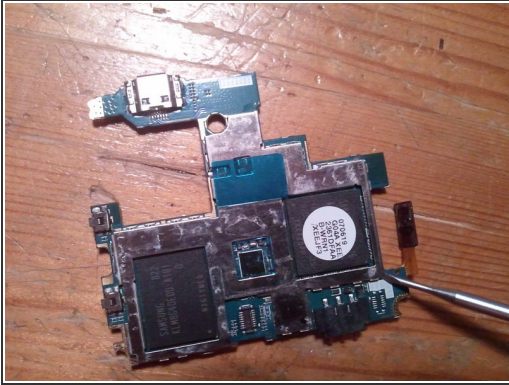
## Step 14



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



## Step 15



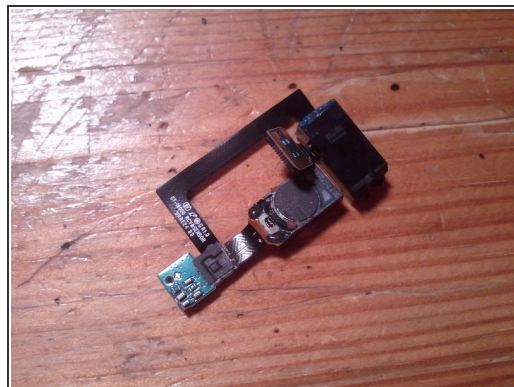
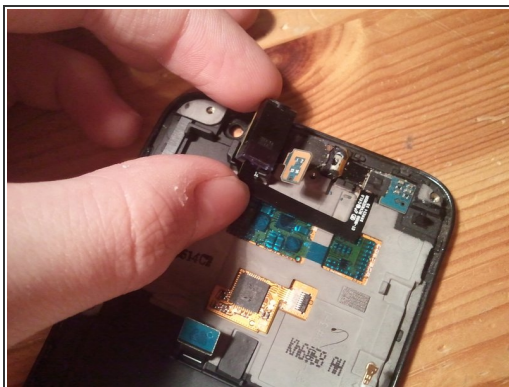
- Now for the metal Shielding on the back! again, more specs coming (hopefully) soon.

## 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.

 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.

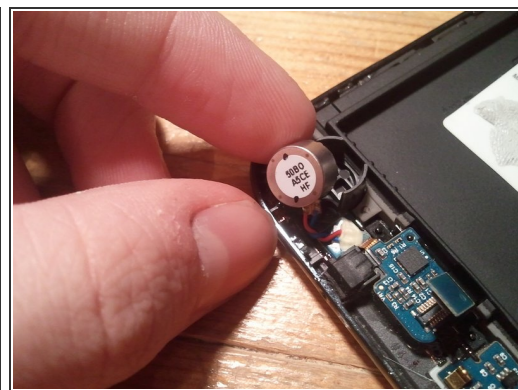
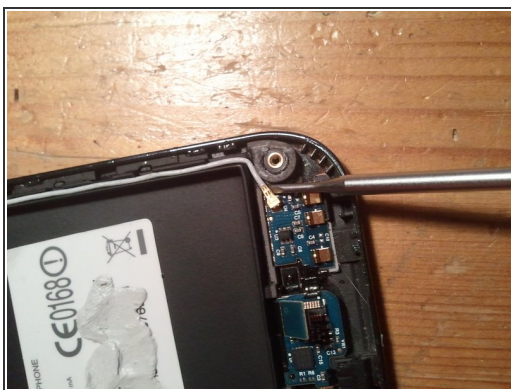


## Step 18



- Now for the bottom portion, including the Mic, vibrating engine and the antenna board.
- ⓘ I 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.