



# Samsung Epix Motherboard Replacement

This guide shows you how to access the motherboard inside your Samsung SGH-i907 cell phone.

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## TOOLS:

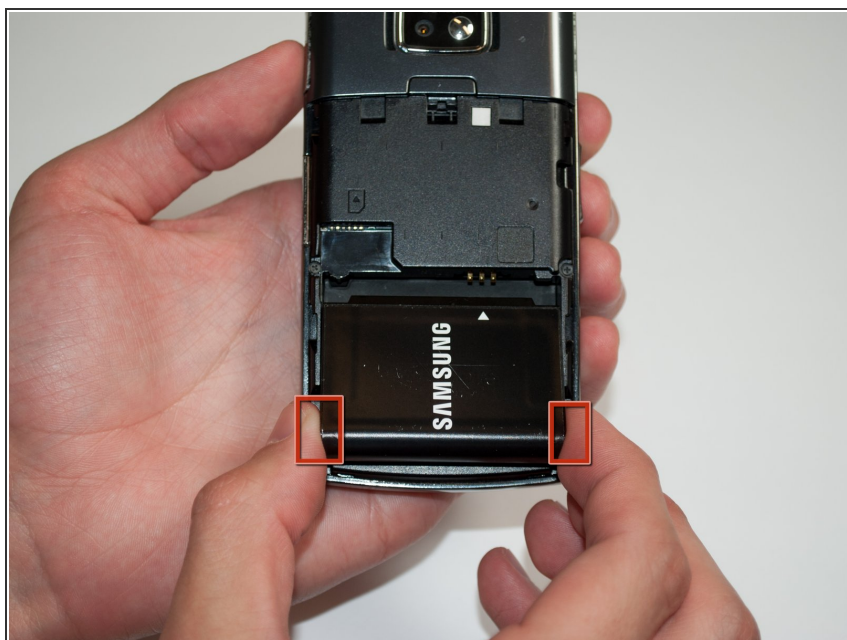
- [2.5 mm Flathead Screwdriver](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
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## Step 1 — Battery



- Press button on back of phone below camera.
- While button is depressed, remove the back panel of the phone by sliding off (not shown in picture).

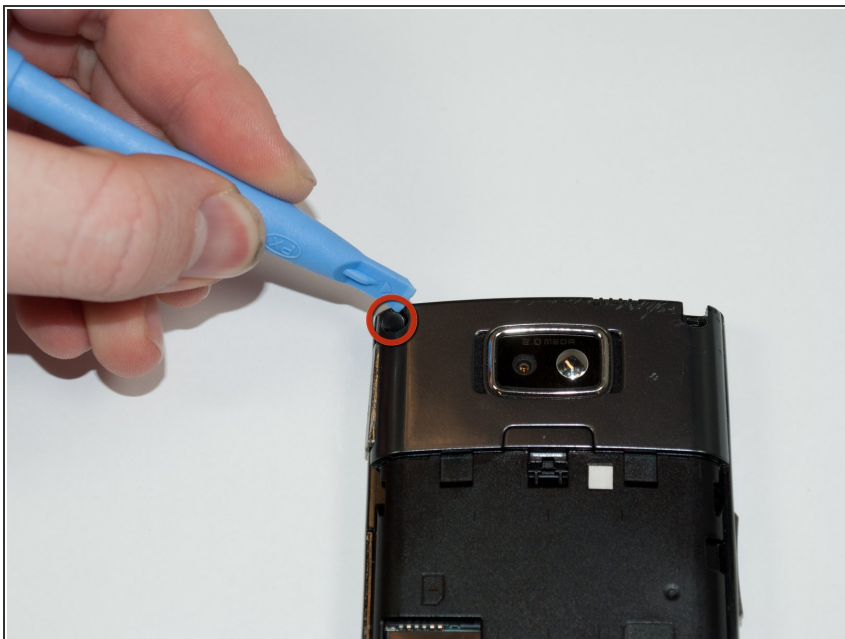
## Step 2



- Grasp the battery near the bottom with two fingers.
- Lift battery up and out gently.



## Step 3 — Speakers



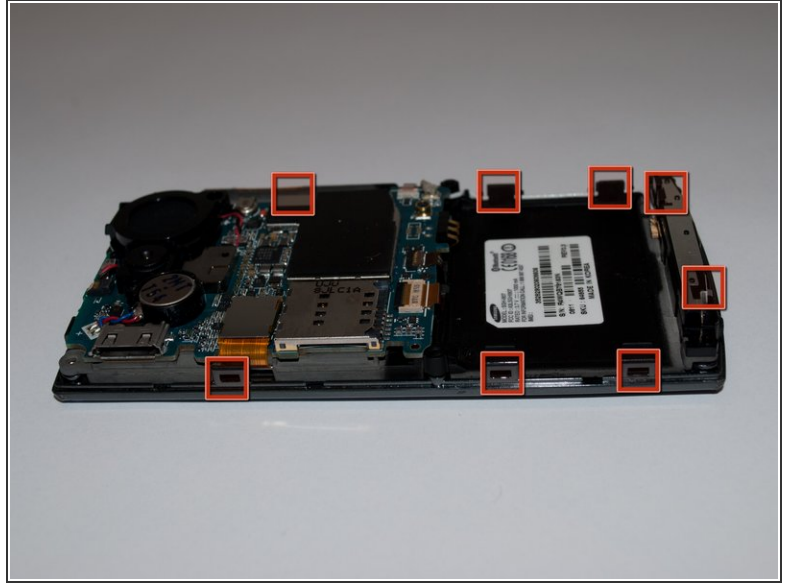
- Using an iPod opening tool, remove the screw cover in the top left corner by lifting it up.

## Step 4



- Use a Phillips #00 screwdriver to remove the six screws on the back of the phone. Three are evenly spaced on each side.
- ⓘ The upper right screw is 4.5mm while the rest are 6.5mm.

## Step 5



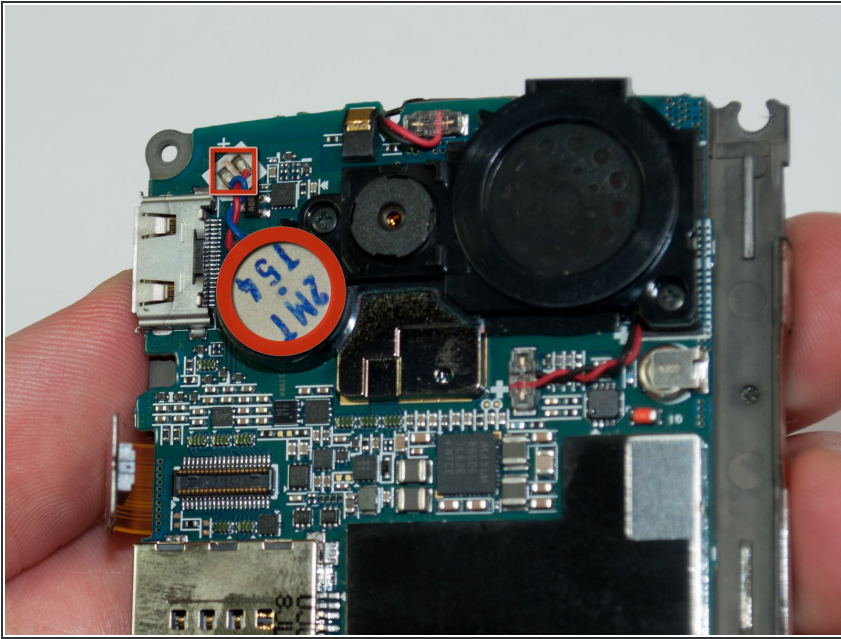
- Slide the iPod opening tool into the seam on the side of the phone and turn it slightly to unhook the eight clips.
- ⓘ There are three clips on each side and two at the bottom of the phone.

## Step 6




- Once all eight of the clips have been unhooked, lift the back panel off of the phone.
- ⚠ Be careful not to remove the front panel. It is still connected to the phone chassis by a ribbon cable in the bottom right corner of the motherboard.

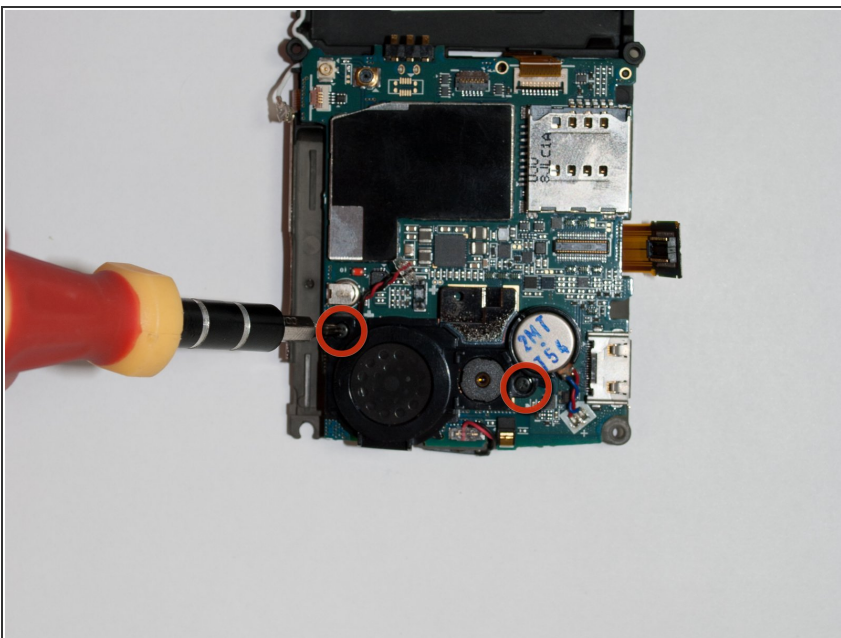
## Step 7



- Remove the circular battery from the plastic holder by inserting a 1 mm flat head screwdriver under the battery where the red and blue wires connect and lifting gently.

 Make sure the battery is still connected to the motherboard via the red and blue wires. This part does not have to be completely removed.

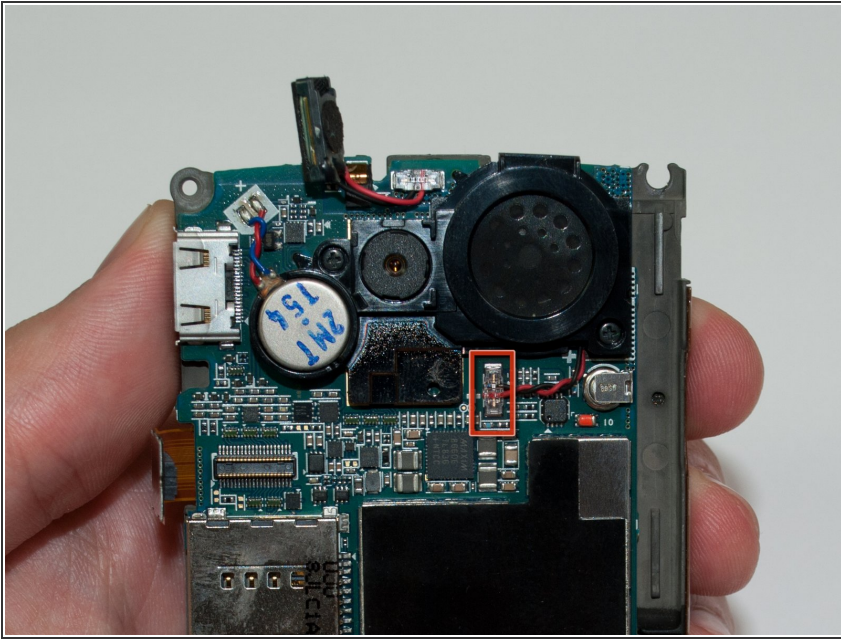
## Step 8



- Using a Phillips #00 screwdriver, unscrew the two 3.5mm screws that connect the speaker to the motherboard.



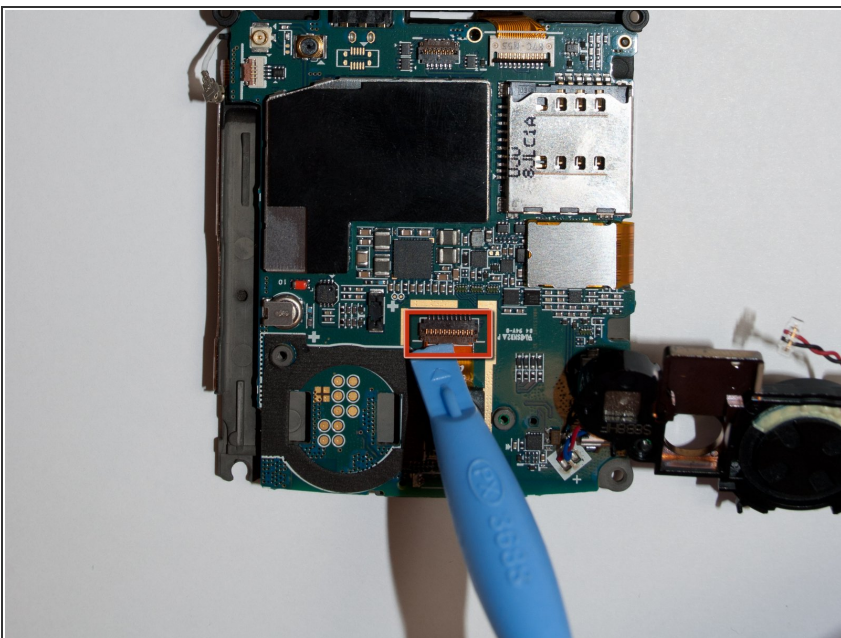
## Step 9



- With the iPod opening tool, unclip the red and black wires connecting the speaker to the motherboard.
- Lift the speaker off of the motherboard.

⚠ The camera will remain attached to the phone when removing the speaker.

## Step 10 — Motherboard



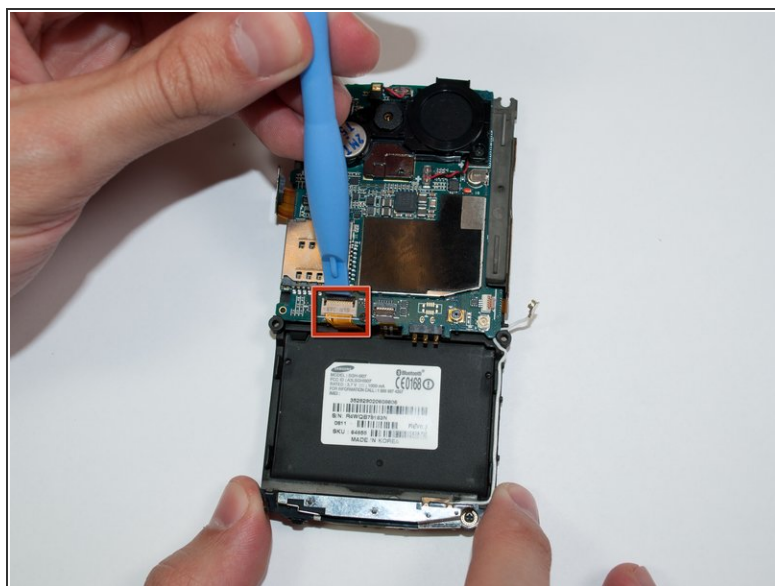
- Using iPod opener tool, unlatch and remove the camera ribbon cable.

## Step 11



- Using iPod opener tool, unlatch LCD ribbon cable on left side of motherboard.

## Step 12



- Using iPod opener tool, unlatch and remove the two ribbon cables at the bottom center of motherboard for the keypad and center button.



## Step 13



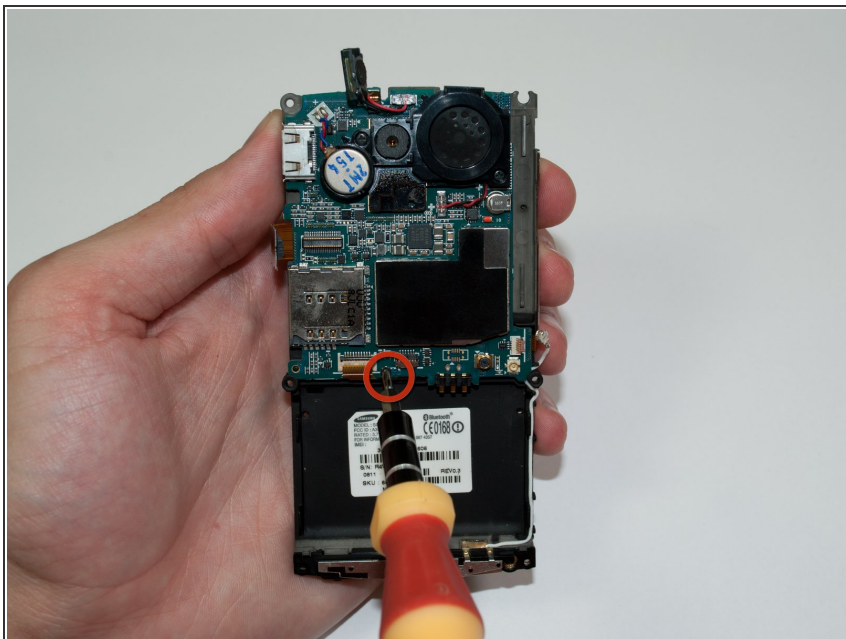
- Using iPod opener tool, unlatch and remove the front panel ribbon cable at bottom right of motherboard.

## Step 14



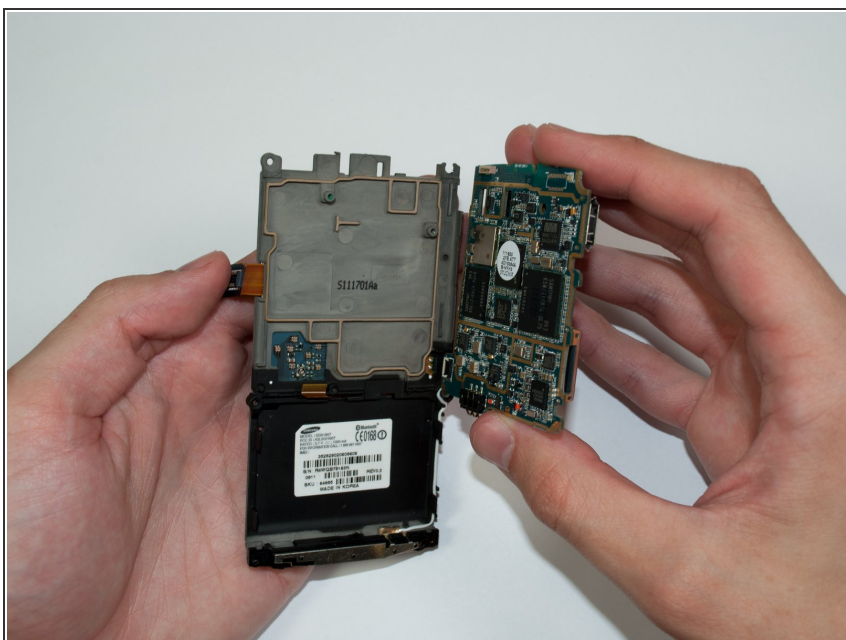
- Using the iPod opener tool, remove the microphone cable at bottom right of motherboard.

## Step 15



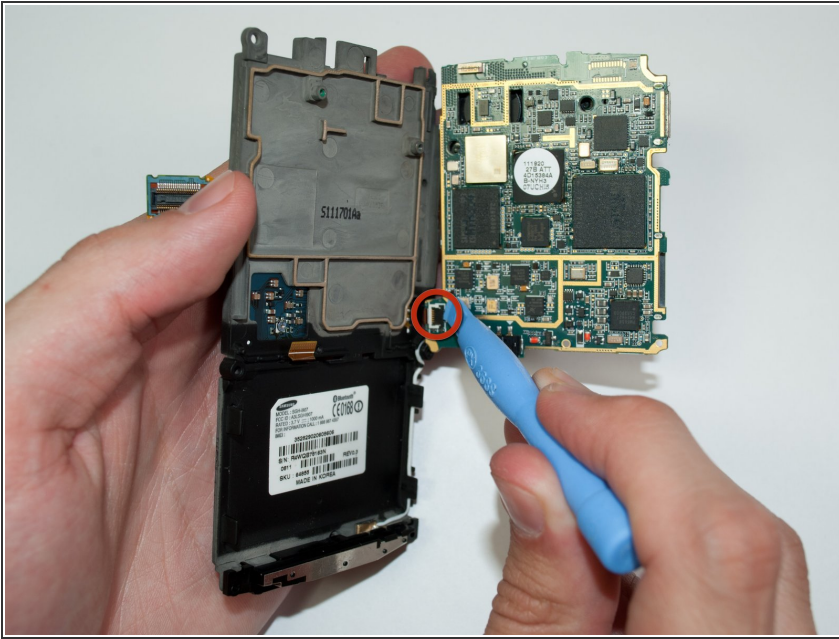
- Using a Phillips #00 screwdriver, remove the 3.5 mm screw at the bottom center of motherboard.

## Step 16



- Carefully lift motherboard off of phone chassis starting on the left side.
- ⚠ There is one ribbon cable still attached underneath the motherboard on the right side.

## Step 17



- Using iPod opener tool, unlatch and remove ribbon cable on back side of motherboard.
- Remove the motherboard.

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