



# Samsung Epic 4G Touchscreen Replacement

Installing a new touchscreen into your Samsung Epic 4G requires significant disassembly and careful attention to easily-damaged connectors and wiring.

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## INTRODUCTION

This guide shows how to remove the touch screen of the Samsung Epic 4G. Once the screen is removed, you may replace it and follow these directions in reverse order to reassemble your phone.

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### **TOOLS:**

- [Tweezers](#) (1)
  - [Phillips #000 Screwdriver](#) (1)
  - [Spudger](#) (1)
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## Step 1 — Phone Case



- Slide your fingernail along the edge of the device and pull at the plastic backing.
- ⓘ While pulling the plastic backing apart from the device, you will hear a snap sound which signals that the backing has detached.

## Step 2



- Pull at the plastic backing gently to remove it after hearing the snap sound.

### Step 3 — Battery



- Remove the battery from the device by pulling the battery edge upwards.

### Step 4 — Removing the Memory Card:



- Locate the memory card on the upper right-hand corner of the device.
- Remove the memory card from the device by gently sliding it out of its holder with your fingers.

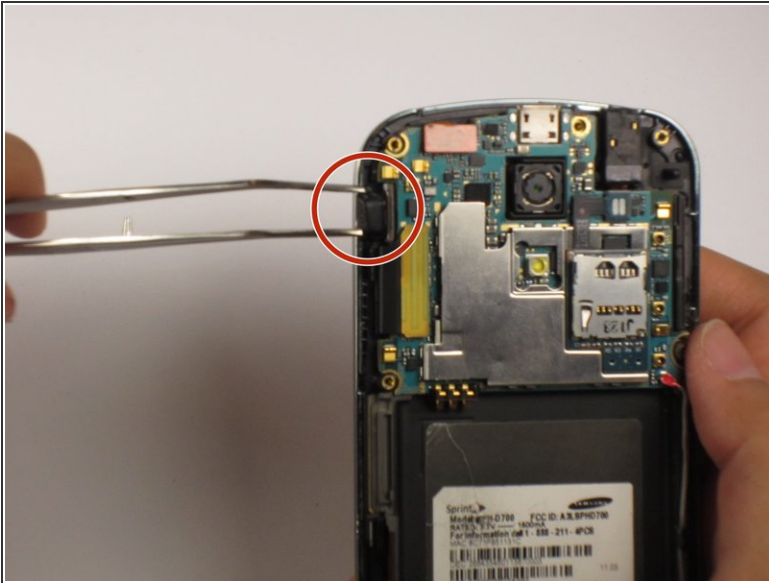
## Step 5 — Removing the Back Housing



- Remove the seven screws from the back of the phone using the Phillips #000 screwdriver.
- Separate the backing from the silver trim around the phone by using a nylon spudger to pry between the two components.
- ⓘ While separating the two components, most of the buttons (including the power button) will fall out.



## Step 6 — Removing the Power Button



- Remove the power button using tweezers if it did not fall out in the previous step.
- ❗ At this point, you can replace the power button with a new one from a manufacturer.

## Step 7 — Micro USB Port



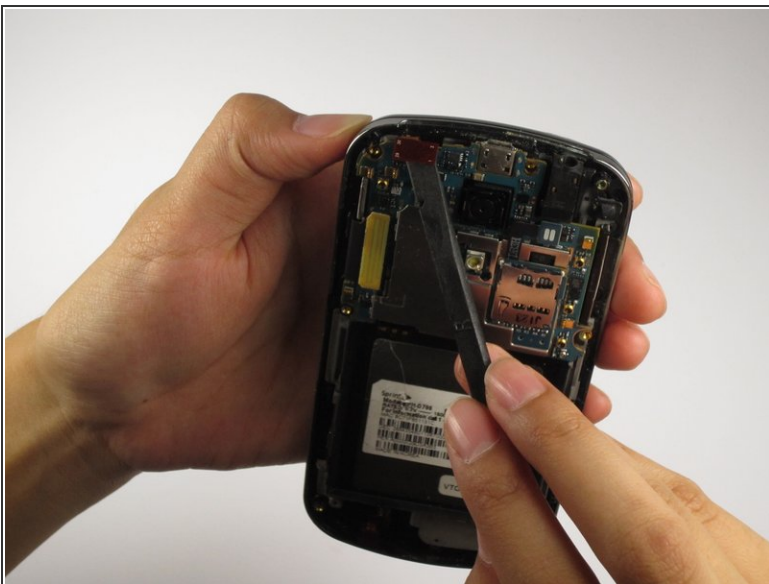
- Remove the white cable along the right side of the device (next to the battery housing) using the nylon spudger.
- Pull out both ends of the white cable. They will easily snap out of place without excessive tension.
- ⚠ Do not rip the white cables out of the device.

## Step 8 — Removing the Antenna Assembly



- Remove the screw holding the antenna assembly in place using a Tri-Point Y0 screwdriver.
- Snap the antenna assembly out of the device gently using your fingers.

## Step 9 — Removing the Flex Cable



- Pry the flex cable from the top of the phone by carefully using a nylon spudger.
- Repeat this step for the larger flex cable located on the left side of the device below the smaller one.

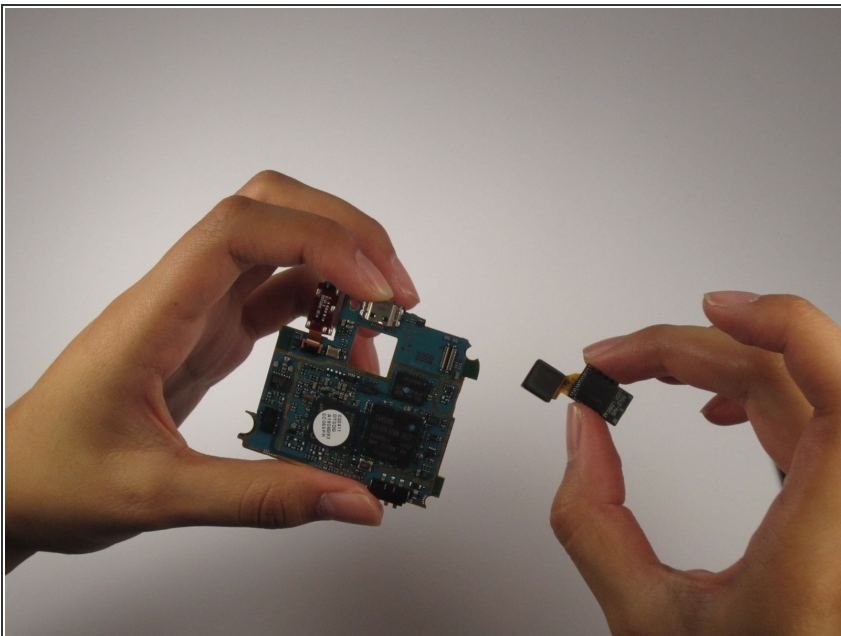


## Step 10



- Lift and remove the motherboard from the device.
- ⓘ The USB port is located at the top of the motherboard. At this point, replace the port with a new one from a manufacturer.

## Step 11 — Camera Lens



- Remove and replace the camera lens with a new one from a manufacturer.



## Step 12 — Keyboard



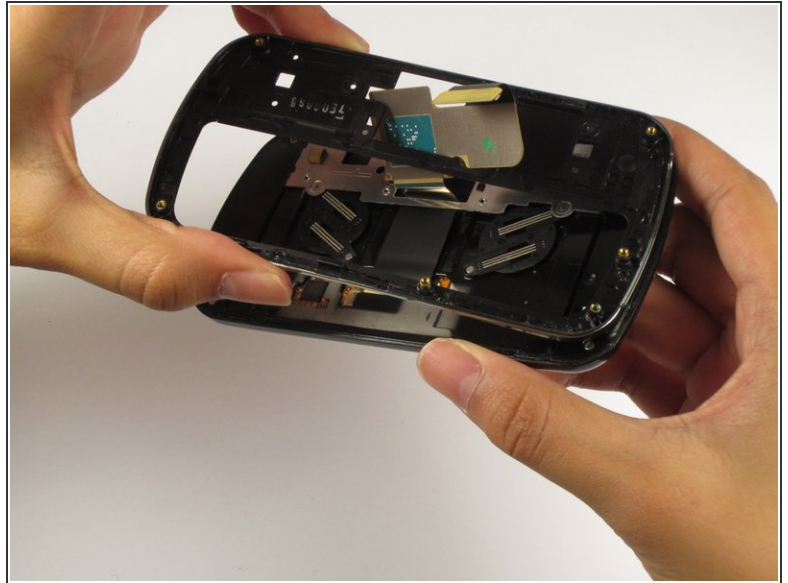
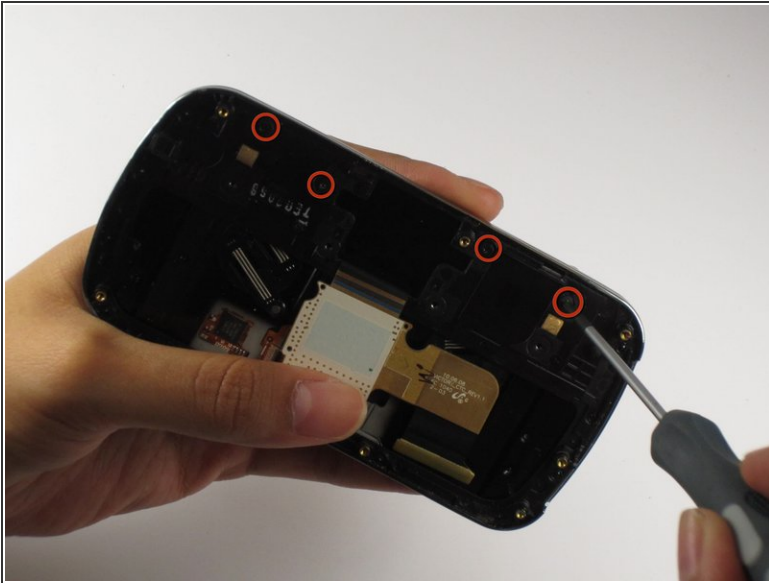
- Remove the white label sticker.
- Remove the four screws on the left side of the device with a small Phillips screwdriver.
  - Two of the screws are found behind the white label, and two are found directly above the label.

## Step 13



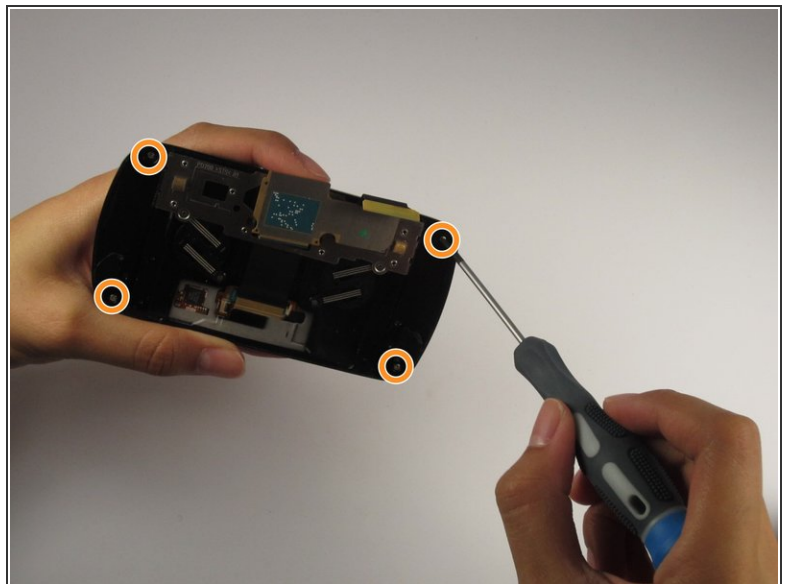
- Lift up and loosen the metallic silver trim on the perimeter of the phone using a nylon spudger.
- Carefully remove the gray mid-plate with the spudger.
  - ⚠ Take extra caution to not destroy the QWERTY keyboard, which lies directly behind the mid-plate. Do not slide open the phone at this time.
- The mid-plate should be completely removed from the keyboard and separated from the device.
  - ⓘ At this point, you may remove the original QWERTY keyboard and install a replacement keyboard. Installation is the reverse of removal.

## Step 14 — Removing the Keypad Housing:



- Remove the four Phillips #00 screws on the keypad housing.
- ⚠ Carefully pull off the keypad housing while avoiding the flex cable.

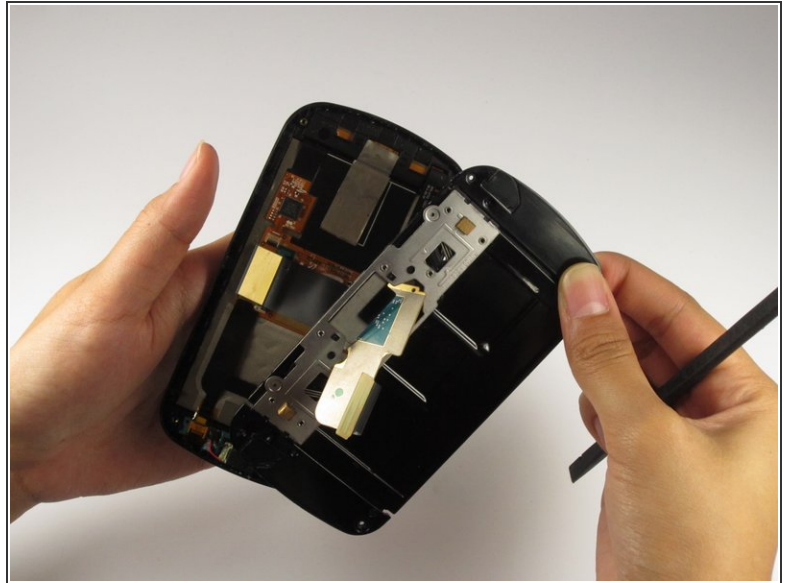
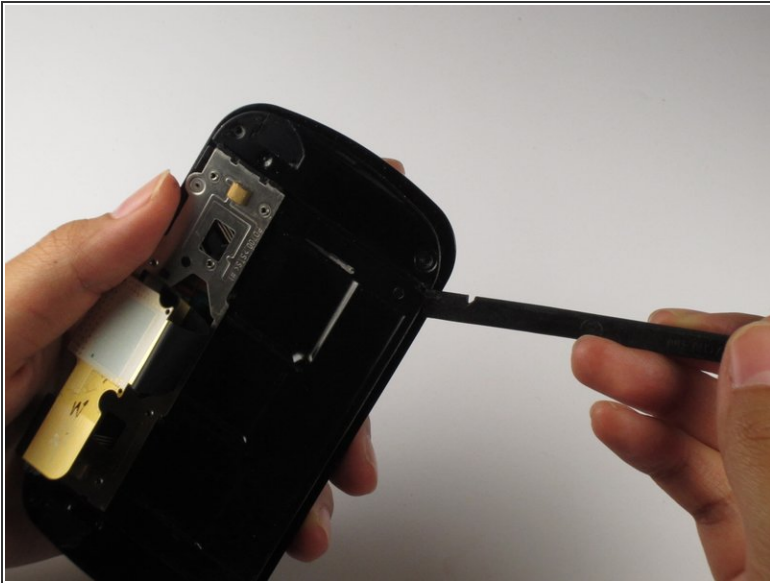
## Step 15 — Removing the Slide Mechanism:



- Remove the two black screw covers using the spudger.
- Carefully unscrew the four corner screws using the Phillips screwdriver.

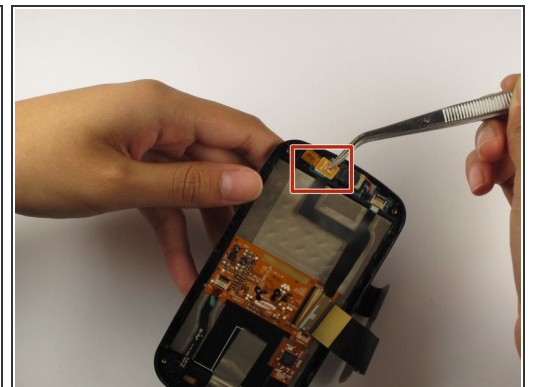
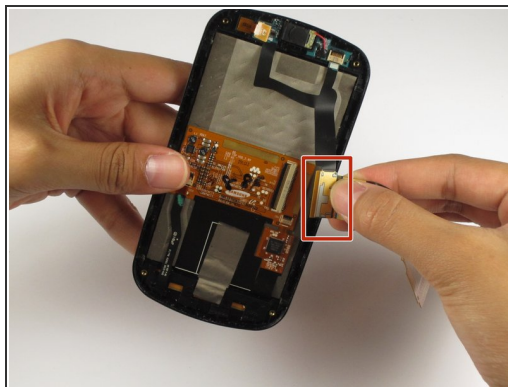
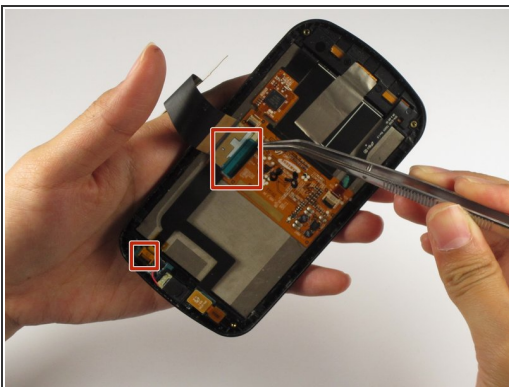


## Step 16 — Removing the Slide Mechanism (continued):



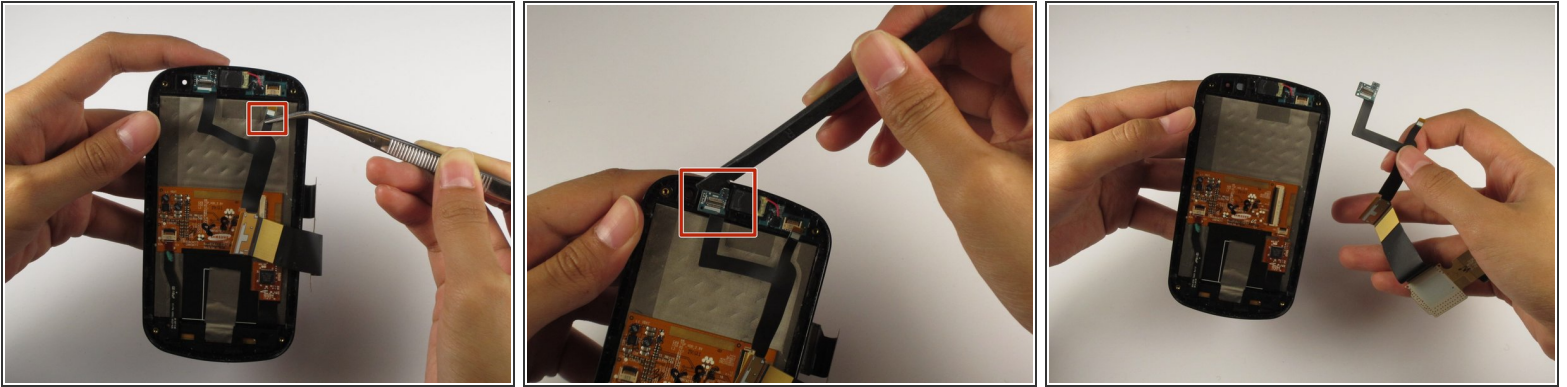
- Pry off the slide mechanism using the flat edge of the spudger.
  - ⚠ Be careful not to push the spudger too far in since it can damage the phone.
- Carefully separate the slide mechanism while avoiding the flex cable.

## Step 17 — Removing the Flex Cable:



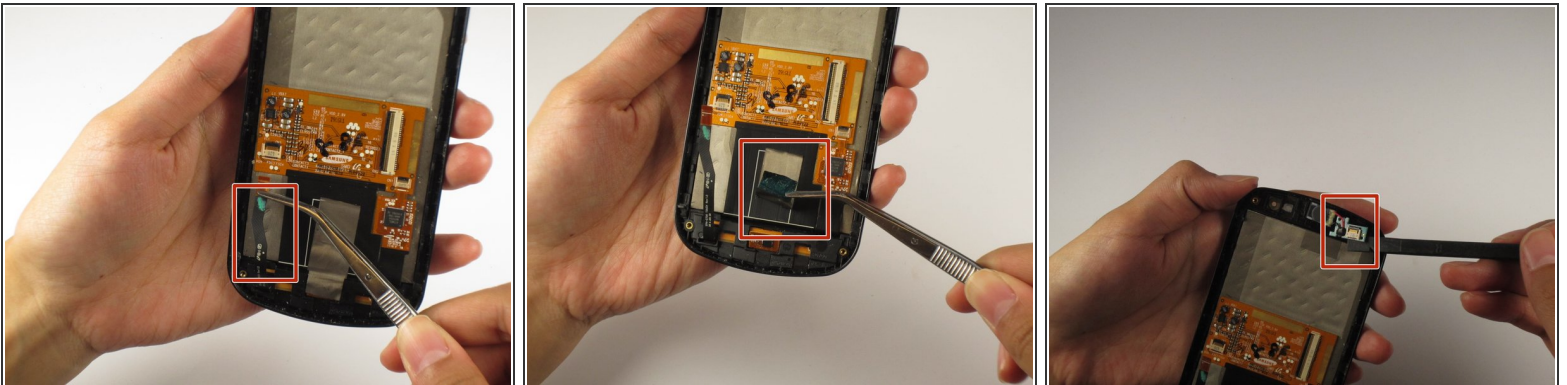
- Carefully remove all the blue tape using the tweezers.
- Unsnap and pull out the large portion of the flex cable.
- Pull off the front face camera using the tweezers.

## Step 18 — Removing the Flex Cable (continued):



- Carefully pull out the smaller portion of the flex cable using the tweezers.
- Pop out the last part of the flex cable using the flat edge of the spudger.
- Remove the flex cable completely.

## Step 19 — Separating the Screen:



- Pull out the touch sensor flex cable using the tweezers.
- Fold back the strip of white tape using the tweezers.
- Pop out the speaker assembly using the spudger.

## Step 20 — Separating the Screen (continued):



- Carefully pull apart the frame and the screen.

 You can now replace the LCD screen.

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