



Samsung Epic 4G Keyboard Replacement

Instructions for replacing a dysfunctional QWERTY keyboard.

Written By: Katie Zombro



INTRODUCTION

This guide details how to install a new keyboard into your Samsung Epic 4G. Directions are provided for both disassembly and reassembly.

TOOLS:

- [Phillips #000 Screwdriver](#) (1)
- [Spudger](#) (1)

PARTS:

- [OEM Samsung Galaxy S Epic 4G SPH-D700 QWERTY Keypad](#) (1)

Step 1 — Phone Case



- Slide your fingernail along the edge of the device and pull at the plastic backing.
- *(i)* 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.
- *(i)* While separating the two components, most of the buttons (including the power button) will fall out.

Step 6 — Removing the Power Button



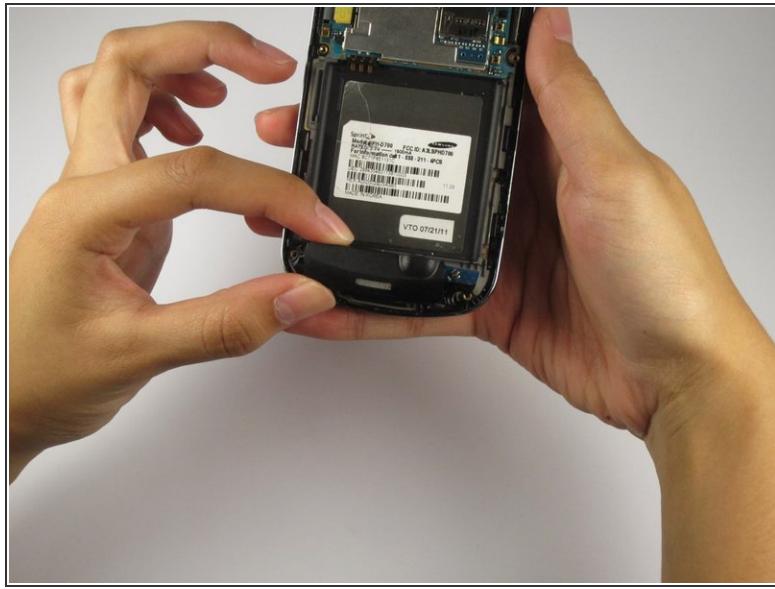
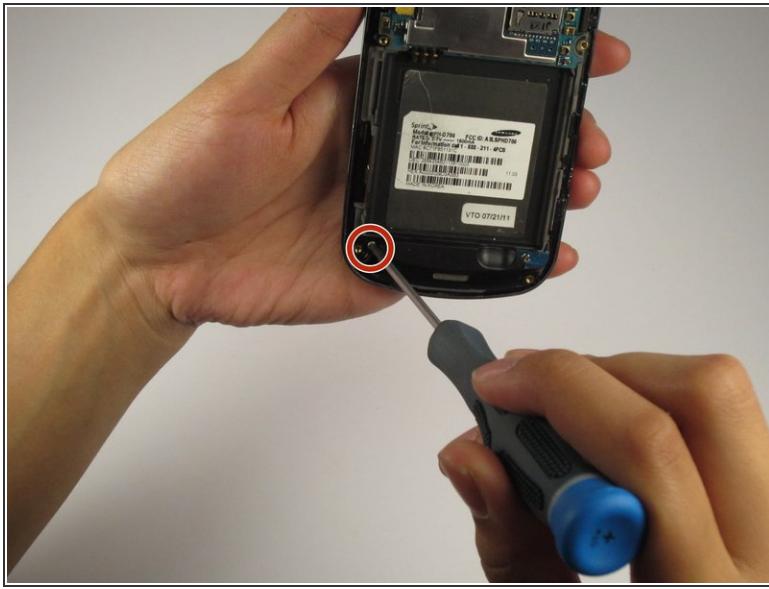
- Remove the power button using tweezers if it did not fall out in the previous step.
- At this point, you can replace the power button with a new one from a manufacturer.

Step 7 — Micro USB Port



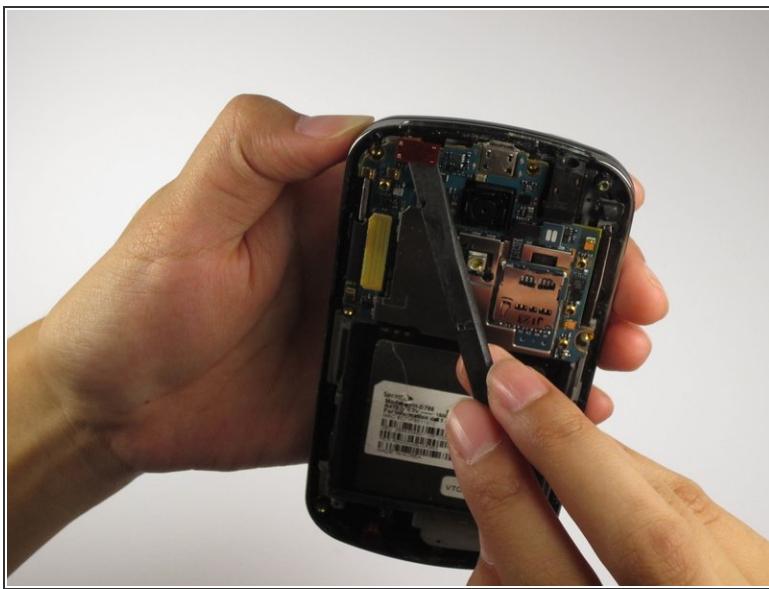
- Remove the white cable along the right side of the device (next to the battery housing) using the nylon spudger.
 - Pull out both ends of the white cable. They will easily snap out of place without excessive tension.
- ⚠** Do not rip the white cables out of the device.

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.

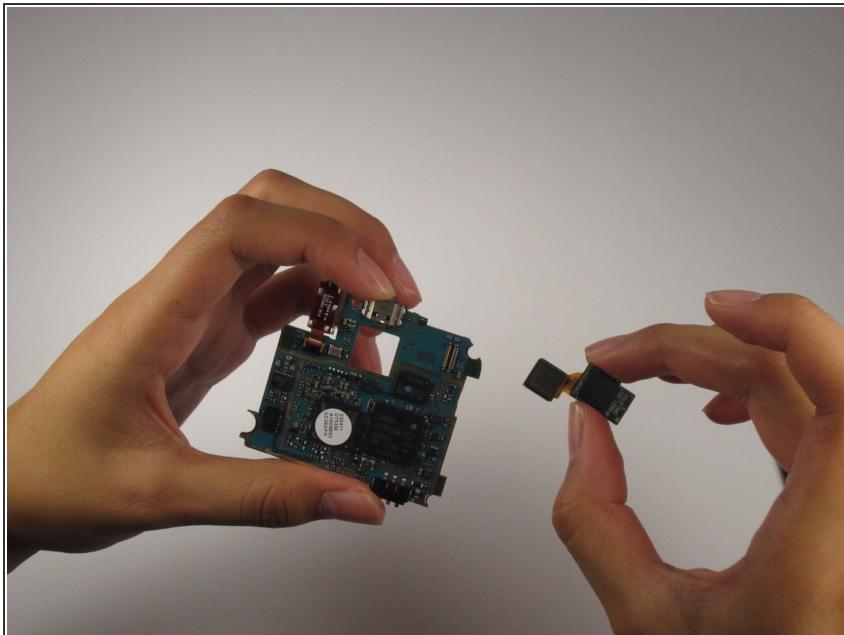
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Step 10



- Lift and remove the motherboard from the device.
- i*** 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.

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