



Samsung Impression Digitizer or Front Buttons Replacement

How to remove & replace the phone's digitizer or front buttons

Written By: Saul Villatoro



INTRODUCTION

How to remove & replace the phone's digitizer or front buttons

TOOLS:

- Phillips #0 Screwdriver (1)
- Flathead 3/32" or 2.5 mm Screwdriver (1)

Step 1 — Battery



- Orient the phone with the screen facing down.
- Using your thumb, slide the back panel away from the camera to expose the battery.

Step 2



- Grip the battery on its sides, opposite the direction of the white arrow.
- Pry the battery up. It will pivot at the end with the white arrow. The battery will now be free.

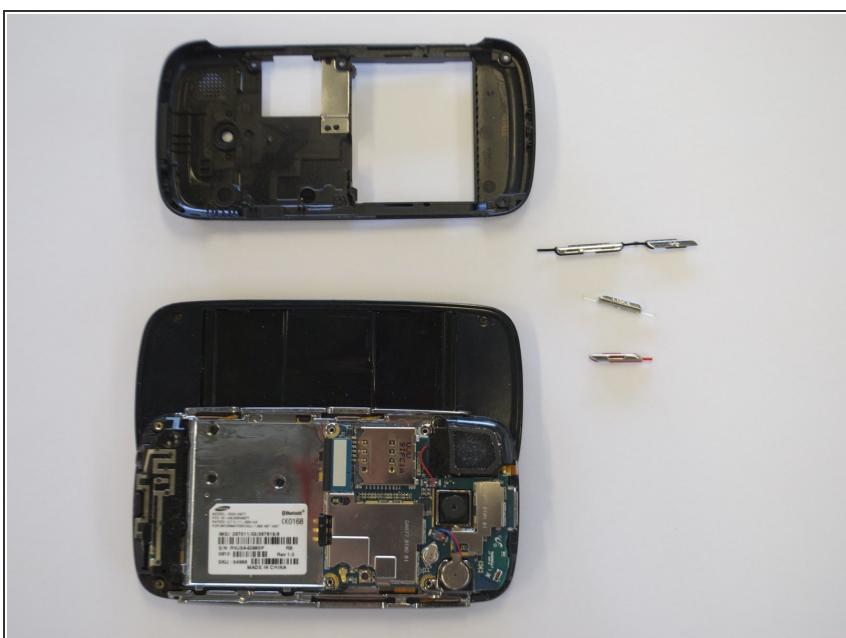
Step 3 — Back Cover



- Remove the 6 outer screws.
- The screws should be 3.5 mm in length.

⚠ Put the screws in a safe place as they are very small and easy to lose.

Step 4



- Snap off back the cover by gently prying around the top and bottom edges with a flat head screwdriver.
- **i** It may help to slide the touchscreen upwards when removing the back panel.
- The side buttons will become loose and are prone to fall out, so put these in a safe place.

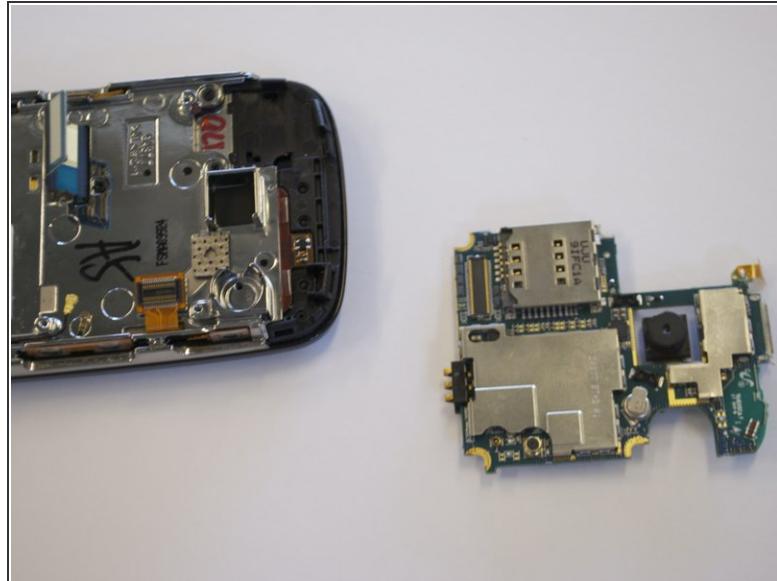
Step 5 — Circuit Board



- To free the circuit board, remove the black wire that is holding it down.

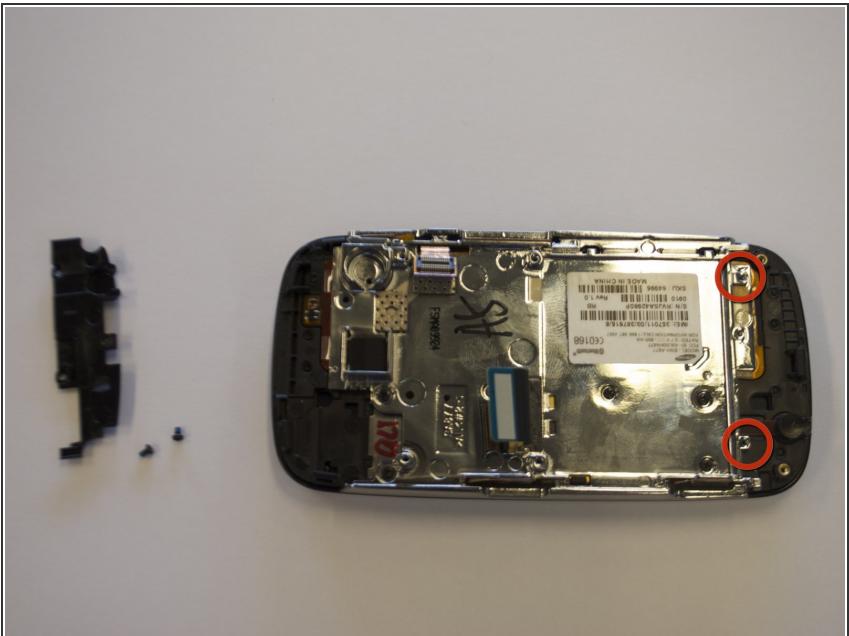
(i) You can remove the wire by gently prying up the gold terminator that is attached to the green circuit board. A gentle tug is all it will take.

Step 6



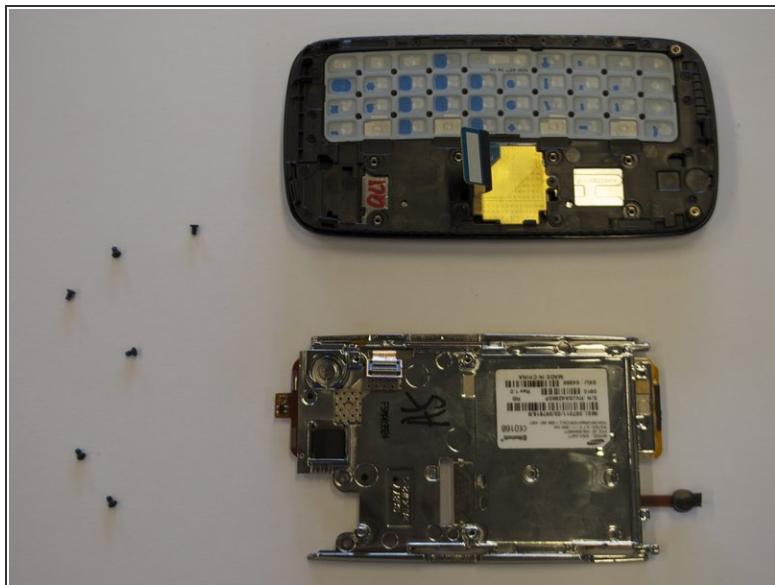
- The circuit board will still be held on by a blue and black ribbon that is removed by gently pulling it upwards.

Step 7 — Keyboard



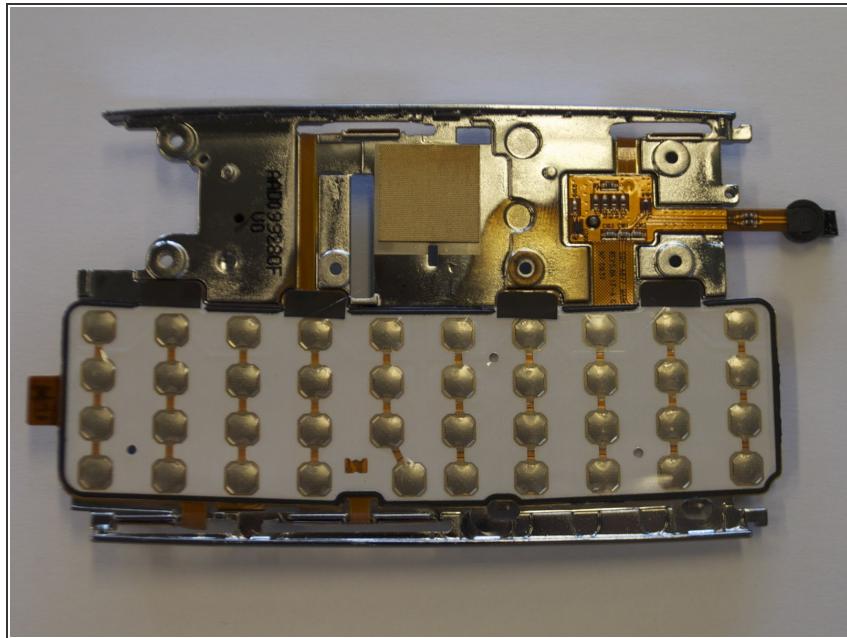
- Remove the two base screws along the edge of the silver piece, where you just removed the black end piece.
- The screws are 2.7mm in length.
- The bottom black end cap will snap out.

Step 8



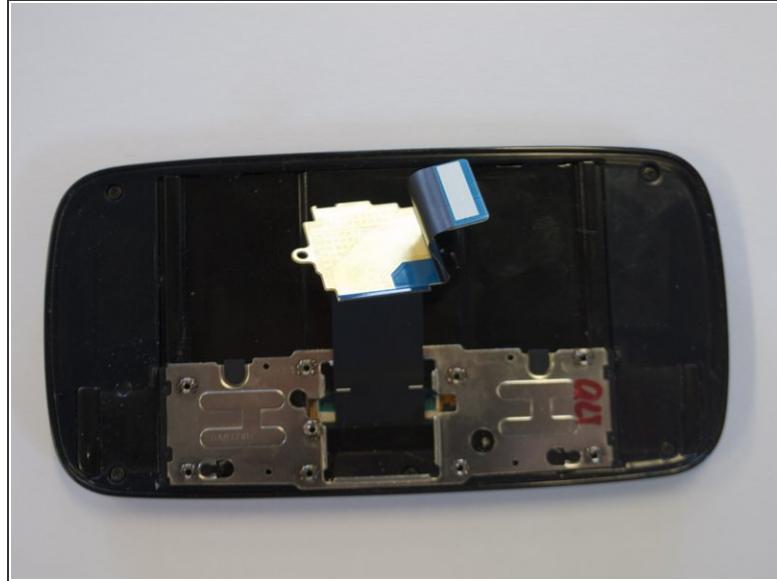
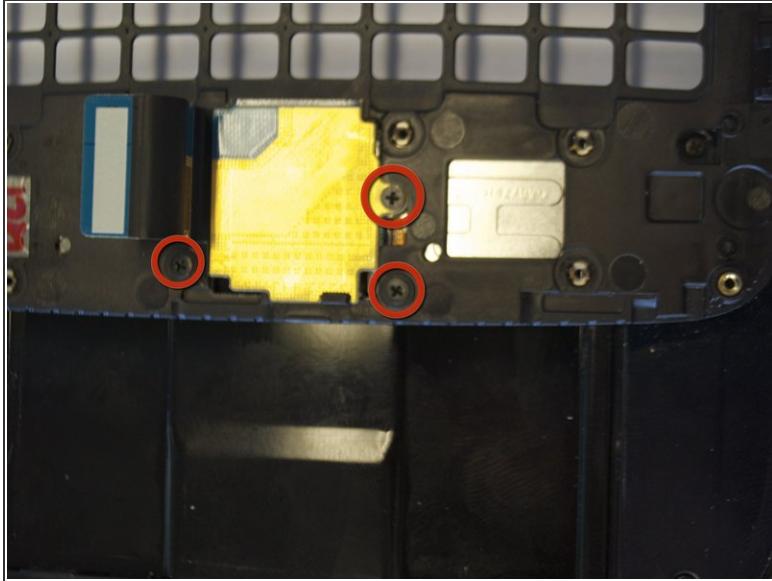
- Remove 6 screws holding the silver plate on.
 - 2.7mm in length
- The keys will peel right out of the screen side of the phone.

Step 9



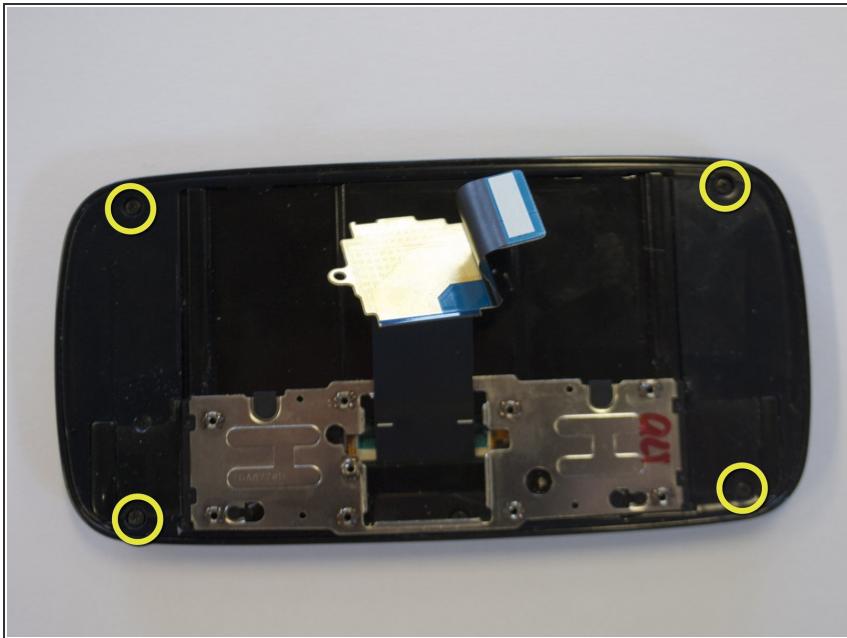
- The silver piece you are left with is the physical keyboard assembly.

Step 10 — LCD Flex Cable



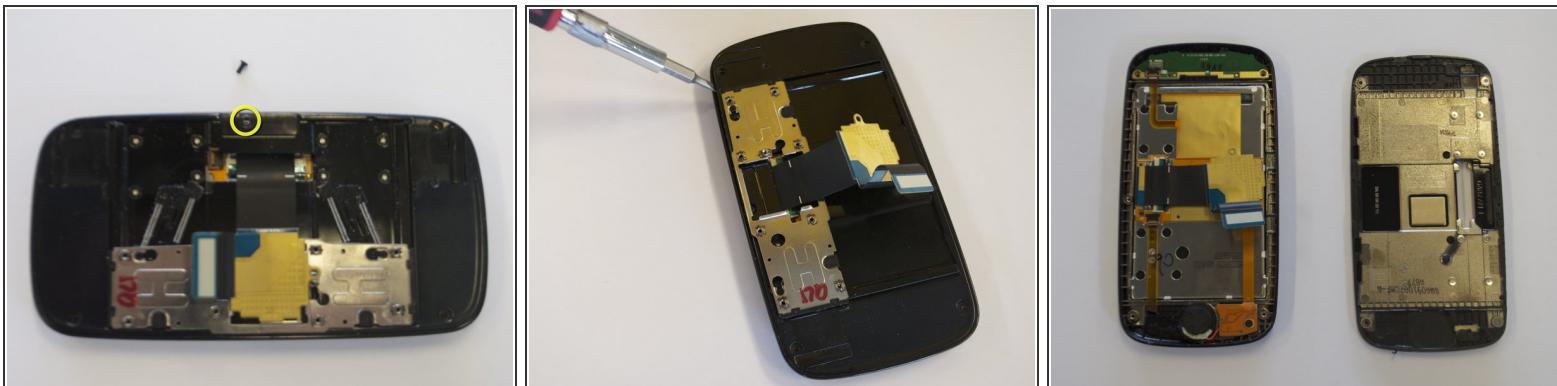
- Remove the 3 screws holding down the flex cable.
 - The screws are 2.0 mm in length.
 - The screw that goes through the circle port on the flex cable is longer at 2.3mm long.
- The keyboard slider frame will come off and the flex cable exposed, but not free.

Step 11



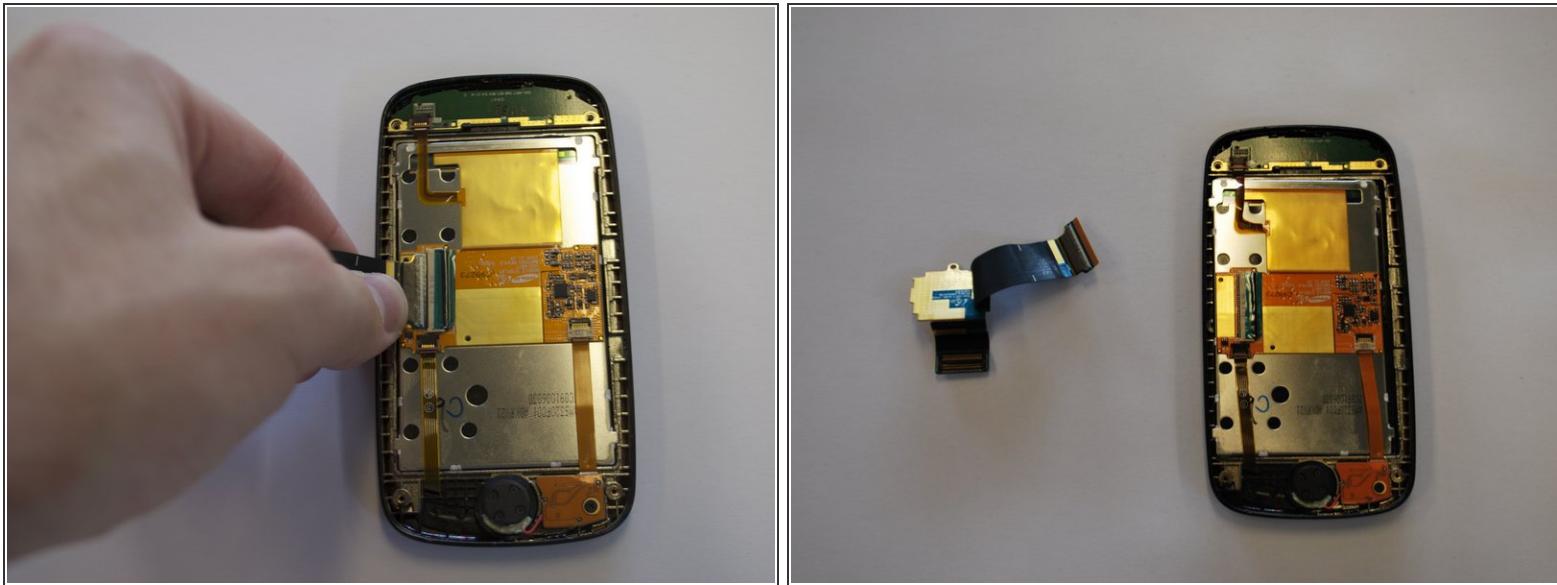
- Remove 4 outer screws.
- The screws are 3.5mm in length.

Step 12



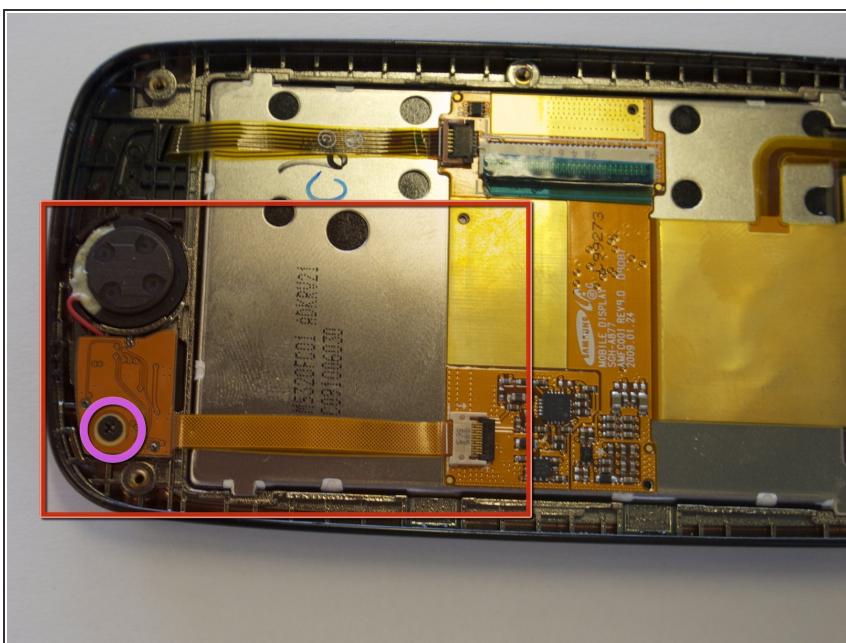
- Slide the phone apart, and remove a 5th screw (3.5 mm).
- Remove the outer shell by prying the edges off with your fingers, or a small screwdriver. (second image, taken before the image for above instruction)
- The device will now be in two pieces

Step 13



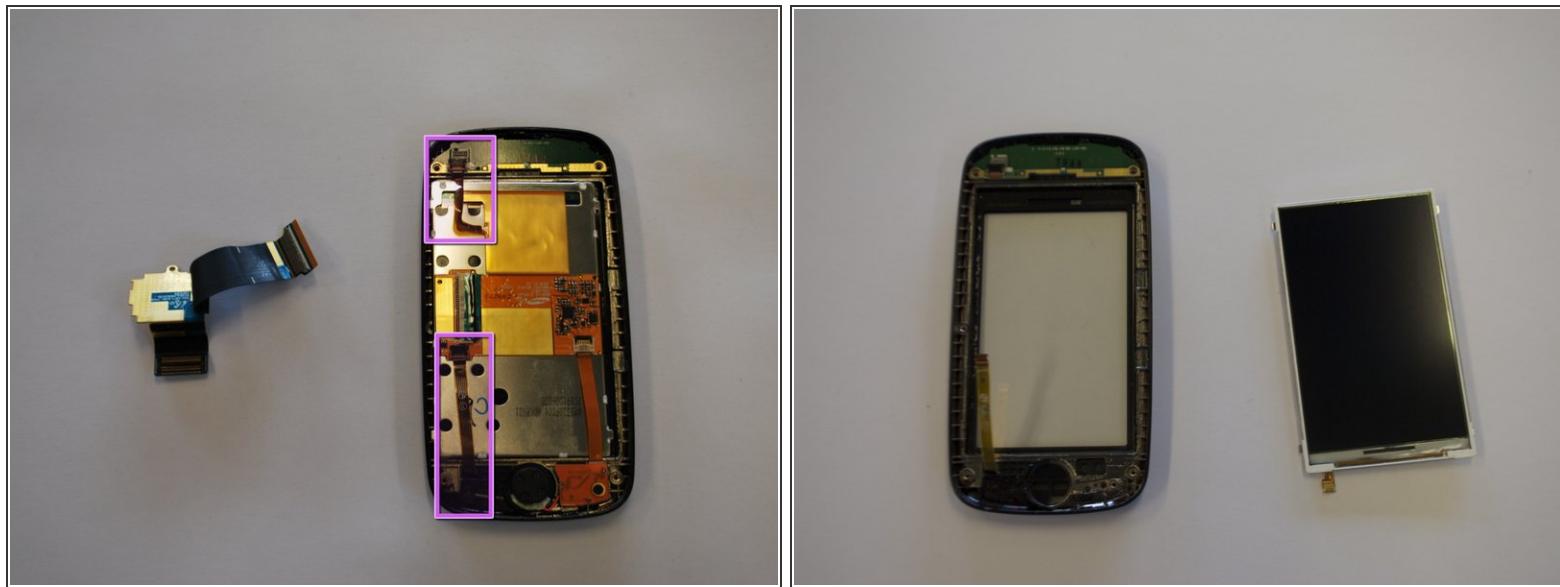
- Lift the tab underneath the blue tape and gently pull the flex cable.
- The flex cable will now be completely free.

Step 14 — Ear Speaker



- Remove the single screw.
 - This screw is 2.25 mm in length.
- Lift the black tab at the end of the ribbon.
- Gently pull the speaker and ribbon free.

Step 15 — LCD



- Lift the remaining two tabs and free their respective ribbon cables.
- Gently pry the screen away from the housing.

⚠ Be careful with this step as you are in direct contact with the LCD screen.

Step 16 — Digitizer or Front Buttons



- If replacing the front buttons, remove the assembly at the bottom of the front panel
- The digitizer is now free to be pulled out from the front housing.

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