



HTC Sensation Touchscreen/Digitizer Replacement

This is a repair guide for replacing the broken touchscreen/digitizer on a HTC Sensation.

Written By: Brent Huff



INTRODUCTION

This is a repair guide for replacing the broken touchscreen/digitizer on a HTC Sensation.

TOOLS:

- [Adhesive](#) (1)
- [Heat Gun](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [T5 Torx Screwdriver](#) (1)

PARTS:

- [HTC Sensation Touchscreen/Digitizer](#) (1)

Step 1 — Broken Screen



- DO NOT pry loose as shown in this picture. The button in the middle that is pictured can be pressed in, releasing the back housing which can then be easily lifted free.

Step 2



- Remove the battery, SIM card and SD card.

Step 3



- Using a Torx screwdriver, remove the 6 screws shown in the photo.

Step 4



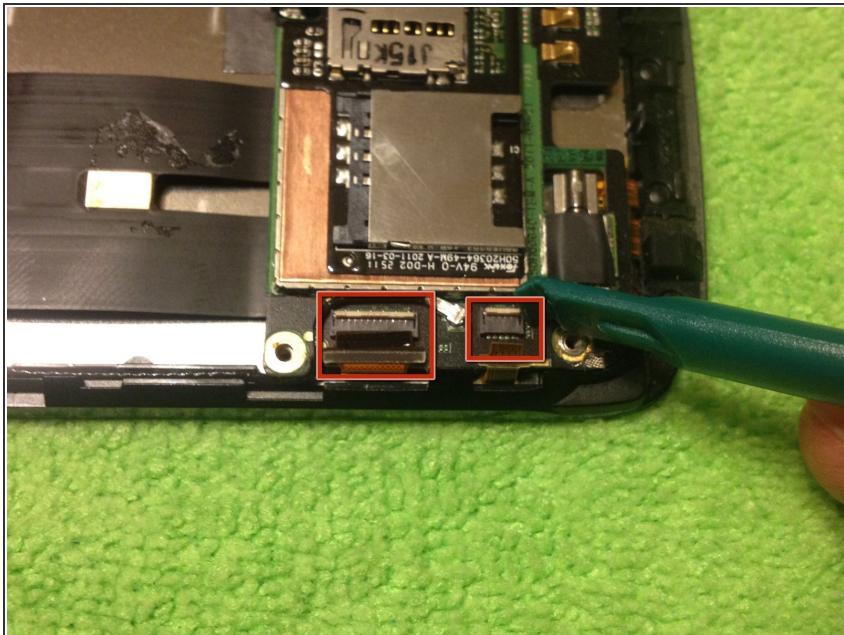
- Using a plastic pry tool, at the top, the right and left sides and the bottom, carefully insert and pry to pop loose the plastic frame from the LCD/Touchscreen Housing.

Step 5



- Remove the one Phillips head screw from the motherboard.
- Remove the silver tape/adhesive covering 2 jawbone connectors.

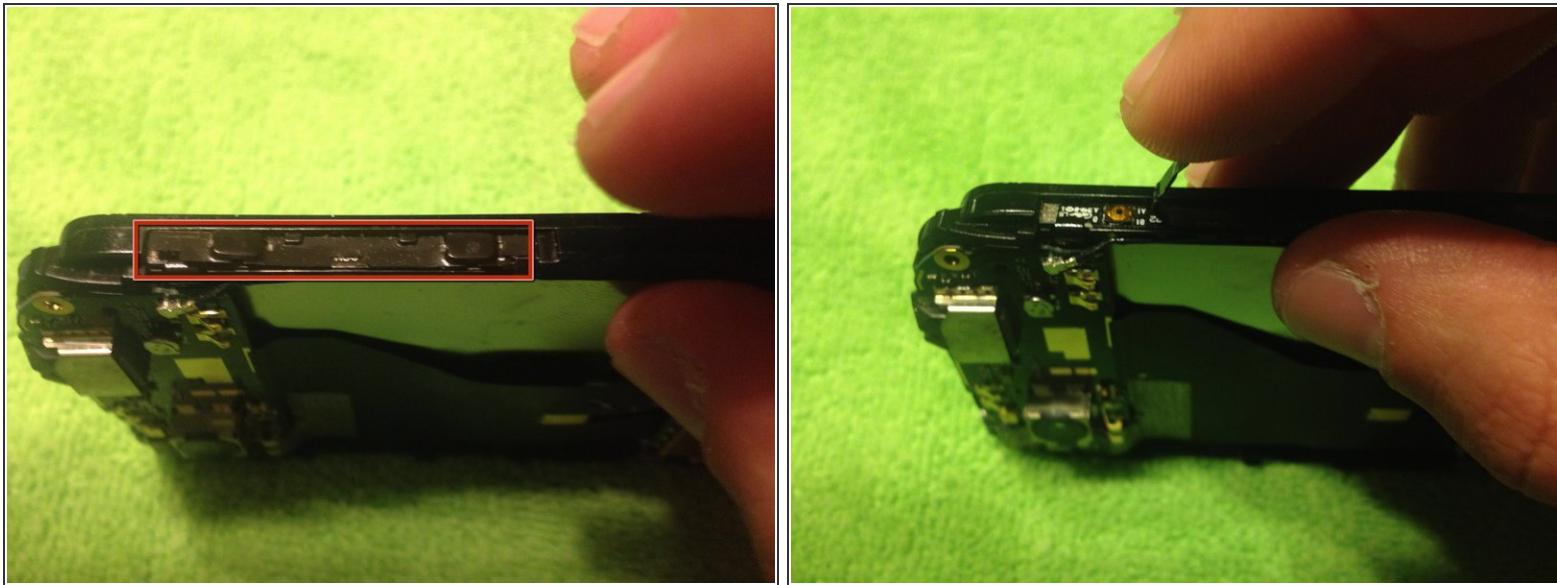
Step 6



- Carefully disconnect the 2 jawbone connections.

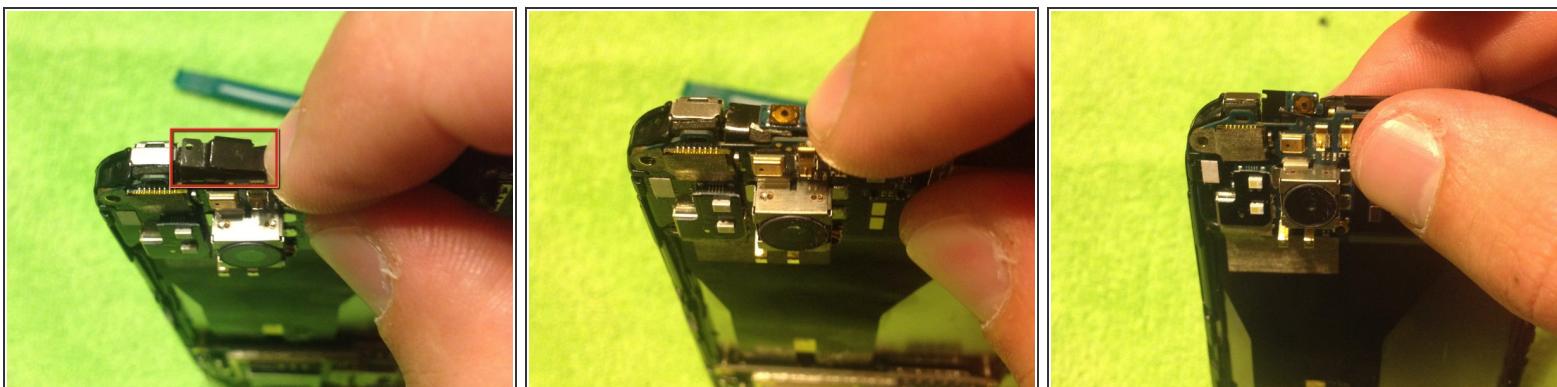
⚠ Be careful to open the connectors the correct way or they will break, ruining your phone!

Step 7



- Remove the black plastic covering the volume buttons on the side.

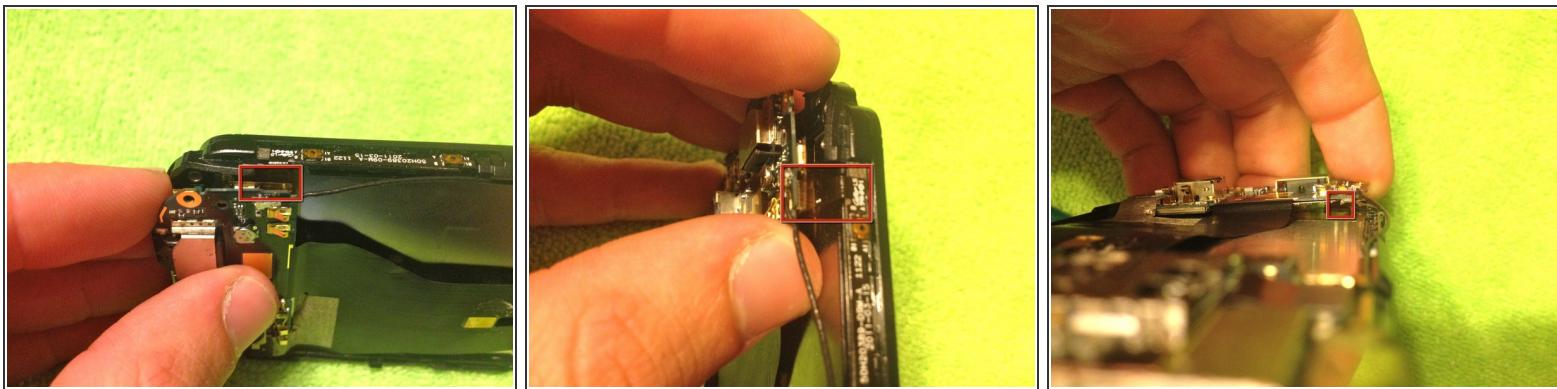
Step 8



- Remove the same black plastic from the top power button. Be careful to only remove the plastic as there is a flex cable under.

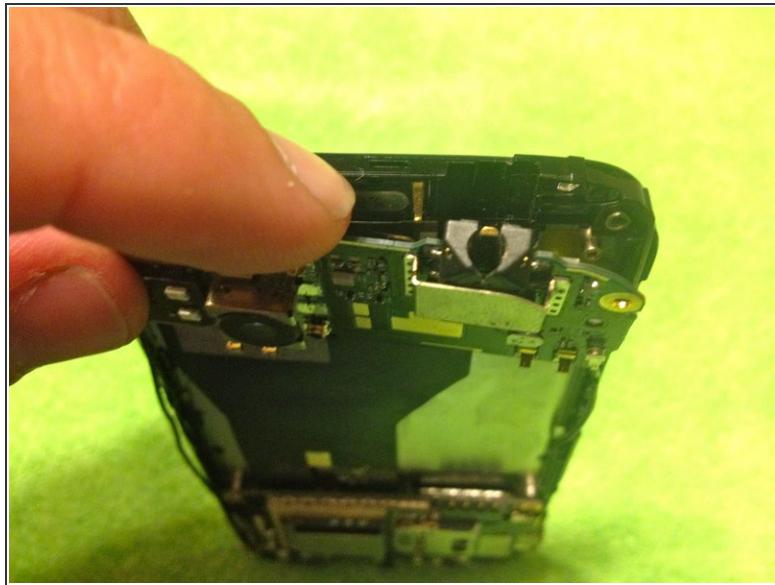
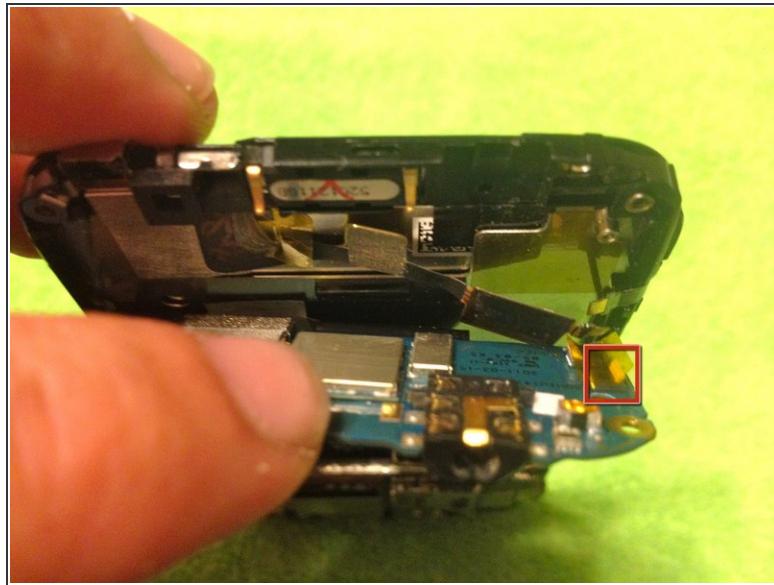
 Go ahead and carefully pull the power button flex up.

Step 9



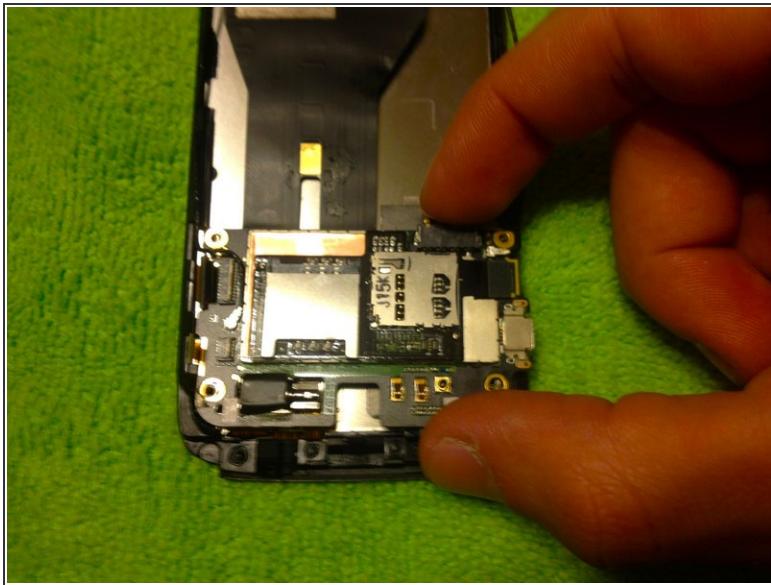
- With the power button flex up you can now carefully pull up the motherboard.
- ⚠ BE CAREFUL** as there are still two cables connected to jawbone connectors on the underside of the motherboard.
- On the underside you will barely see the jawbone connectors. Go ahead and flip them open to release the cables.

Step 10



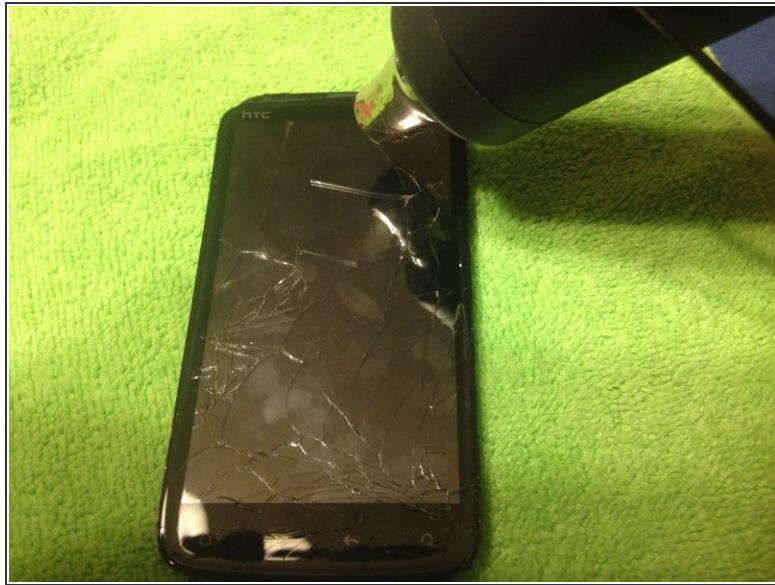
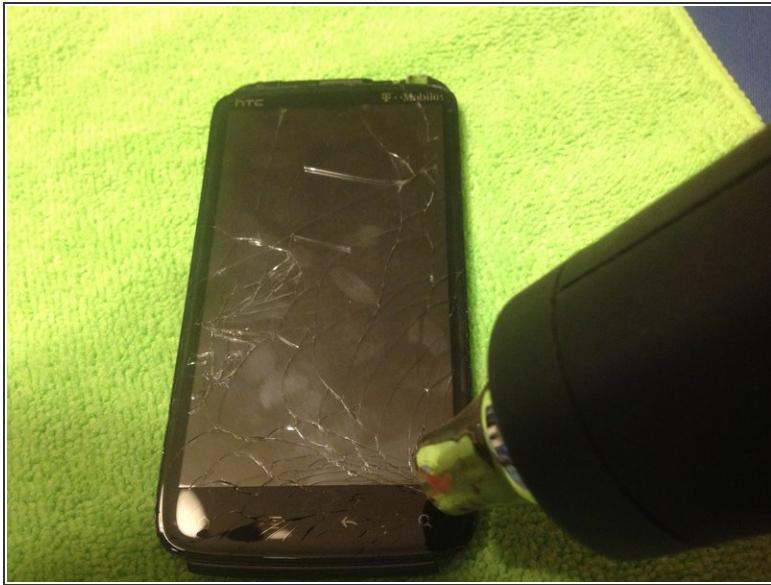
- Before lifting up the motherboard, be sure to release the 2nd jawbone connector. This one is for the touchscreen/digitizer. (Photo is with motherboard already out to show you exactly where it is.)
- With the flex cable removed you can now lift up on the motherboard. There is still a cable attached, but it is the touchscreen/digitizer cable. So, if you have a broken screen it IS ok if you break this cable.

Step 11



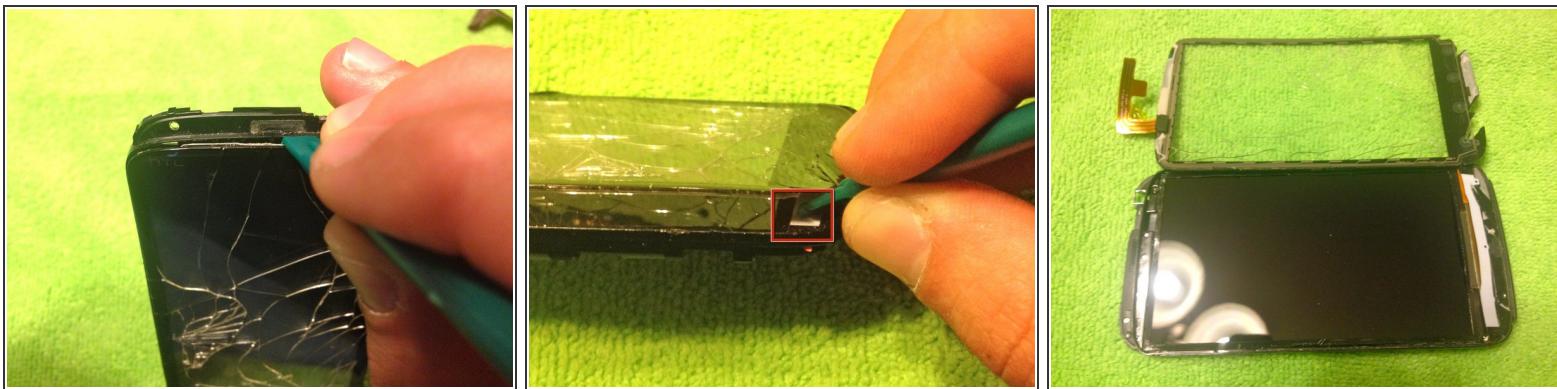
- Now can you completely remove the motherboard.
- There are little "teeth" around the mother board so if you are having some trouble it's because the motherboard is still caught under the teeth.

Step 12



- Using a heat gun, carefully heat the glass all around the screen. Be careful not to overheat as this can cause damage to the LCD.

Step 13



- Starting at the top and then going down the sides, carefully insert a plastic pry tool and begin to separate the touchscreen glass from the LCD assembly.
- Be careful as you get to the bottom when removing the glass. There is a thin strip that needs to stay in tact.
- When at the bottom you will notice a white strip. Do not tear this or the buttons on the bottom of your screen will not light up!
- Go ahead and remove the glass completely.

Step 14



- Remove the top layer of sticky black tape, then prep the LCD assembly and new touchscreen/digitizer with new adhesive--I just used thin strips of two-sided tape.
- Using a microfiber cloth remove any dust from the LCD display.
- Slide the new touchscreen/digitizer cable between the frame and LCD display.

⚠ Be VERY careful with the touchscreen/digitizer cable! If needed, it is ok to lightly and carefully push against the backside of the LCD to create more space. You may need to pull the cable through forcefully; just don't rip it or break the LCD.

- Once the cable is through go ahead and remove all paper from adhesives and set the screen in place.
- Now you can begin reconstructing your phone. Go ahead and go through the steps backwards.
- Reattaching the cables is the trickiest part but not impossible.

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