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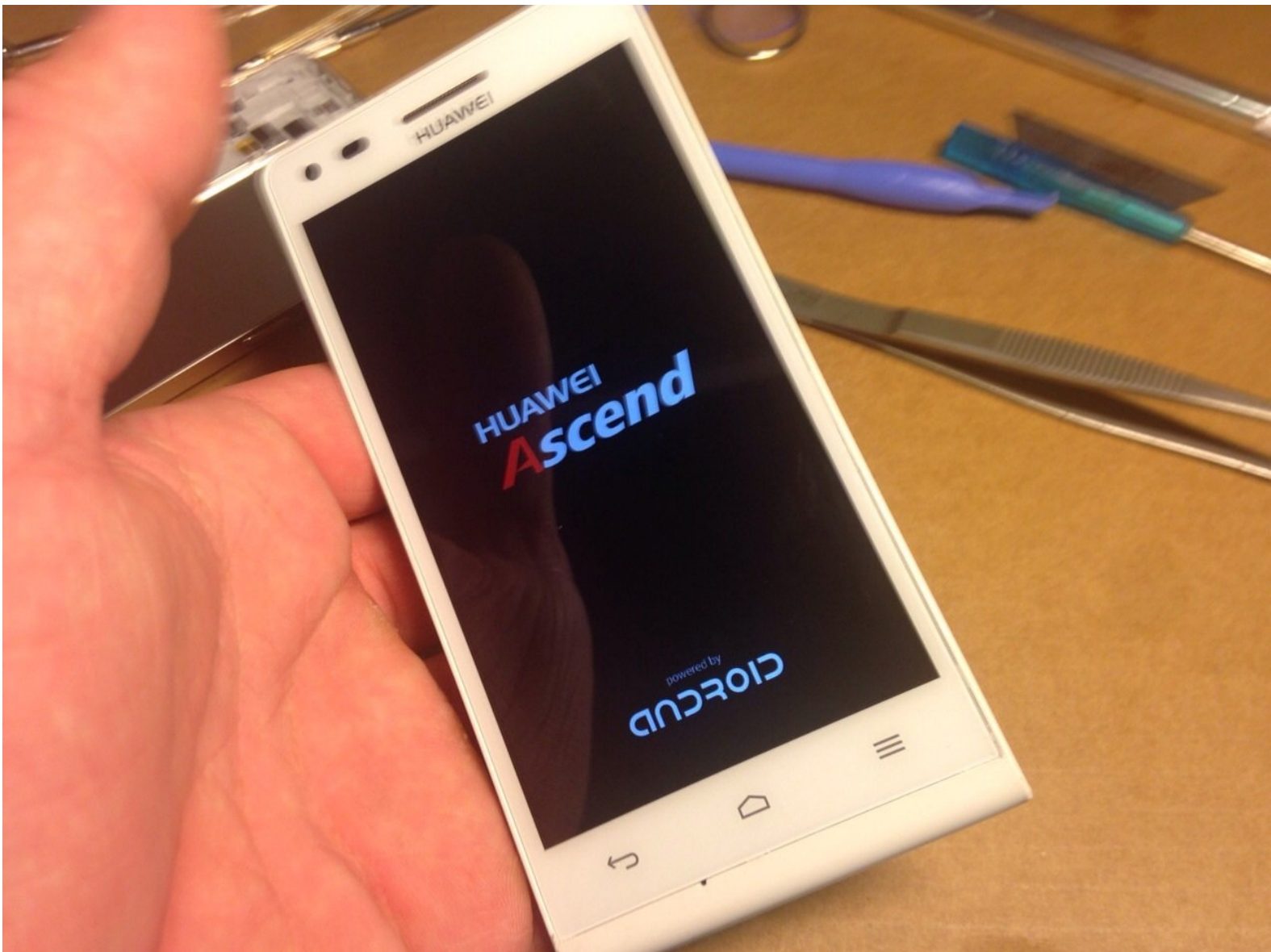
Huawei Ascend G6 Front Panel Replacement

A short guide on replacing Huawei Ascend G6 front panel.

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INTRODUCTION

Since I couldn't find a single guide or even a teardown of Huawei G6, I decided to just try it on my own. I have occasionally dabbled with screen replacements but never before without a guide...

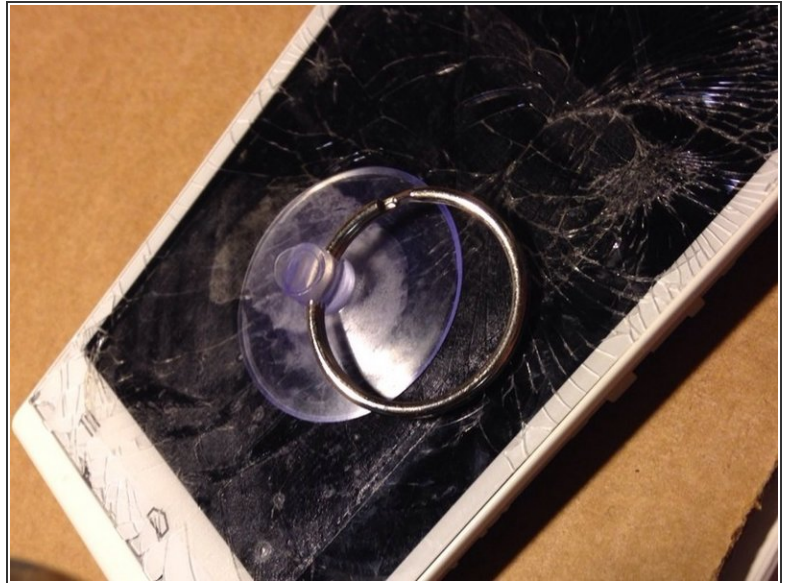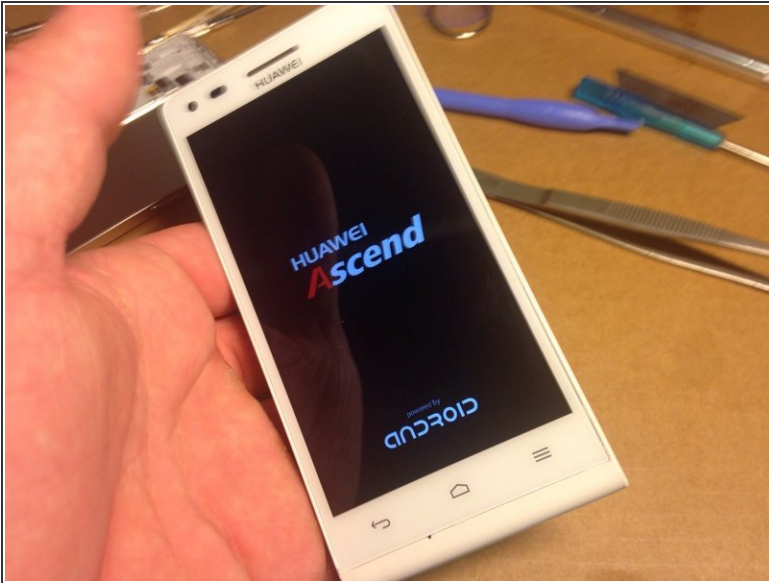So, here it is - a novice-made guide to replacing the front panel of Huawei Ascend G6!

If you have any decent pictures for the process, do add them, as mine are not that good, or contact me. Also, don't take everything presented in this guide at face value - use common sense and enough time.

TOOLS:

- Phillips #00 Screwdriver (1)

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Step 1 — Display Assembly

- If your display is badly cracked, it is recommended to apply tape to keep the shards of glass contained. It will also help using a suction cup later on in the process.

Step 2

- Turn off your device and remove the SIM-card. Unscrew all of the ten screws on the back of the phone.
  - Don't worry about mixing up the screws as they are all identical. Even the 11th and final screw you'll be unscrewing is identical to the ones on the back cover.
- The screw pointed out in the picture is covered by the warranty seal, which is a small black sticker. Remove the seal, and if you want, replace it when reassembling the phone.
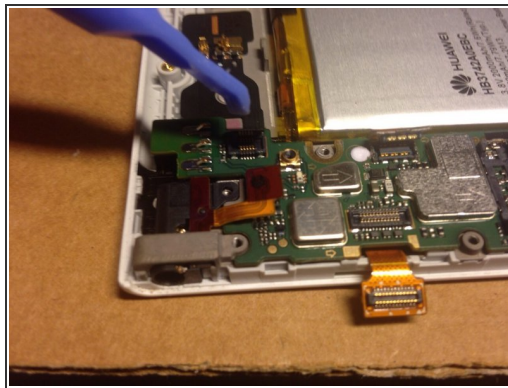
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Step 3

- Insert a spudger between the aluminium back cover and the front panel and pry the back cover loose.

- Move around the phone with the spudger. You will hear clicks as you proceed detacting the clips around the phone.
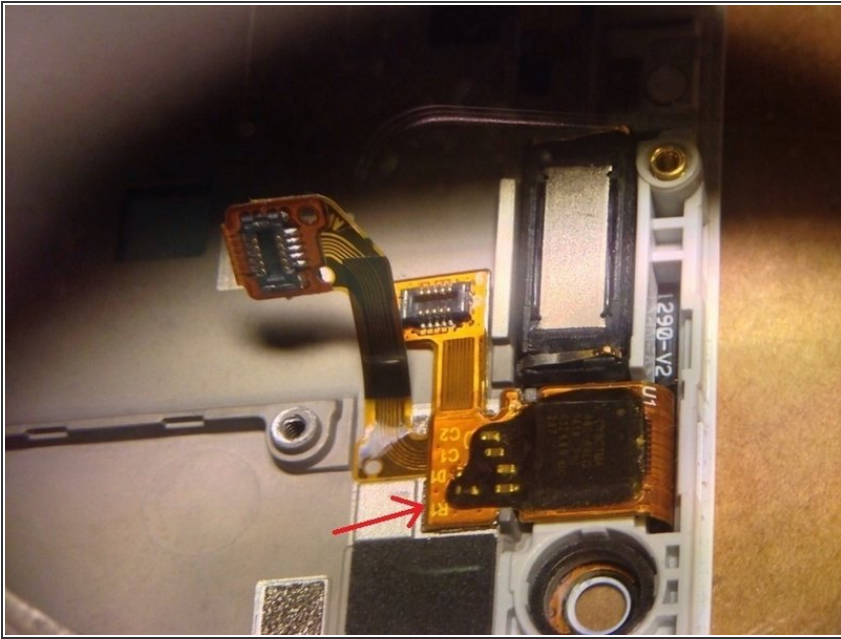
Step 4

- To remove the motherboard, start off by undoing the **battery** flex cable to avoid any possible short circuits when undoing the rest of the flex cables.
  - Carefully pry loose the camera flex cable and the camera should then come off easily.
  - Undo the five remaining flex cables from the motherboard.
- Unscrew the screw holding down the motherboard at the bottom near the USB-port.
- The motherboard can now be carefully lifted up, but don't let any of the flex cables get stuck to it to prevent any possible damage to the flex cables or the motherboard.

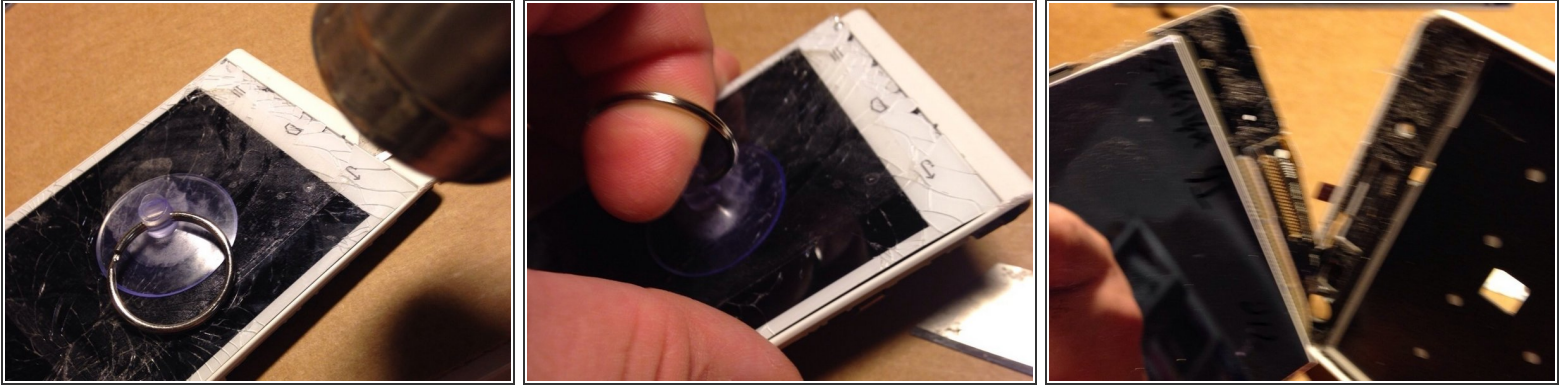This document was generated on 2020-12-06 08:00:39 AM (MST).

Step 5

● The battery is held down with two small pieces of double-sided tape. Just casefully pry under it and it should come off easily.

Step 6

- Remember to peel up the digitizer flex cable, as it is glued to the proximity sensor, and might cause damage when removing the front panel, should you forget it.
  - The flex cable is held down with a bit of adhesive, just use your spudger to carefully peel it up.
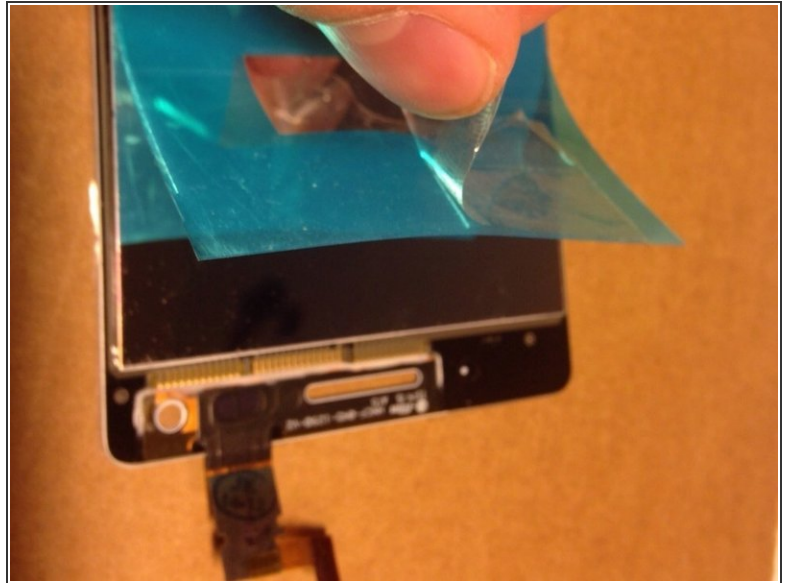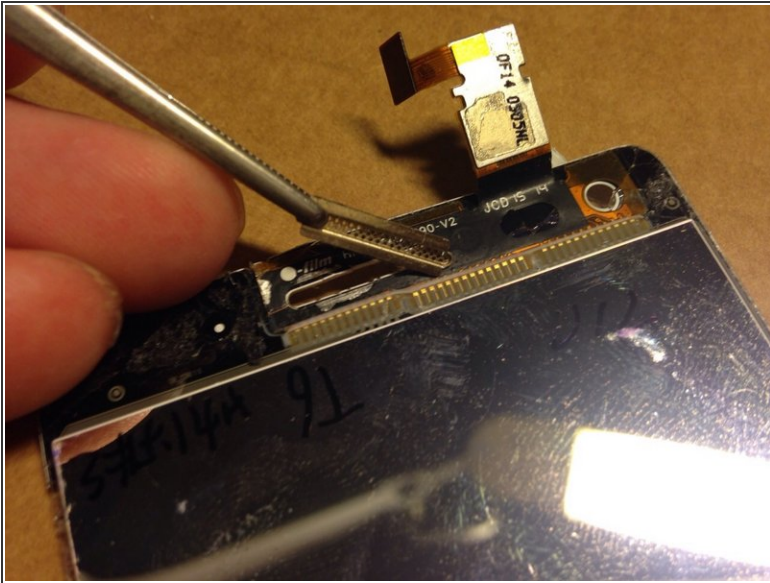
Step 7

- Using a heat gun or a hairdryer heat up the front of the phone a bit to soften the glue on the double sided tape. You might need to heat up the front several times in the process.

  - Do not heat up the glass too much as you might cause some damage under the front panel, even though most of the most heat-sensitive parts have been removed. If it's too hot to touch, you have heated the glass too much.

  - This process will likely ruin the rest of the screen, but if you're careful, and possibly first remove the glass pieces with a razor while reheating the glass frequently, it is possible to save the LCD and digitizer for front glass replacement.

- Go around the edges with the razor blade, separating the glass and with it the LCD and digitizer off the frame. Using a suction cup might help a little. Remember to help the flex cables fit out of their gaps.

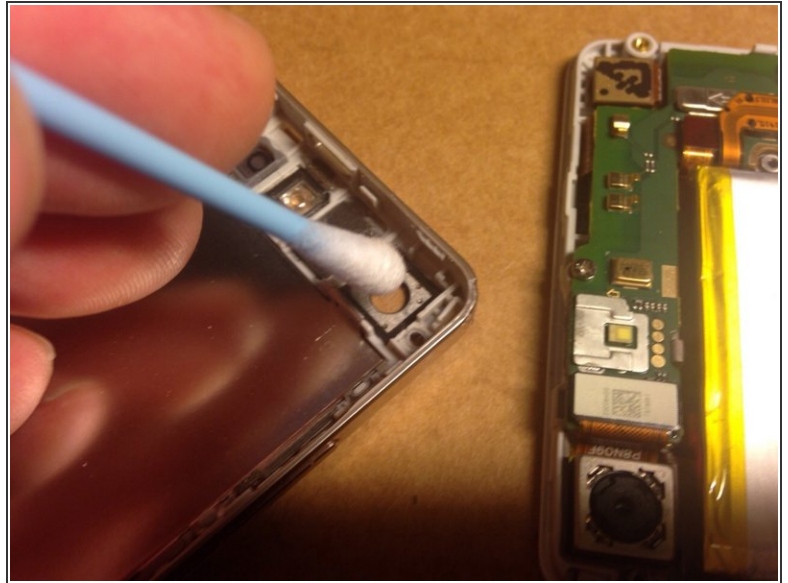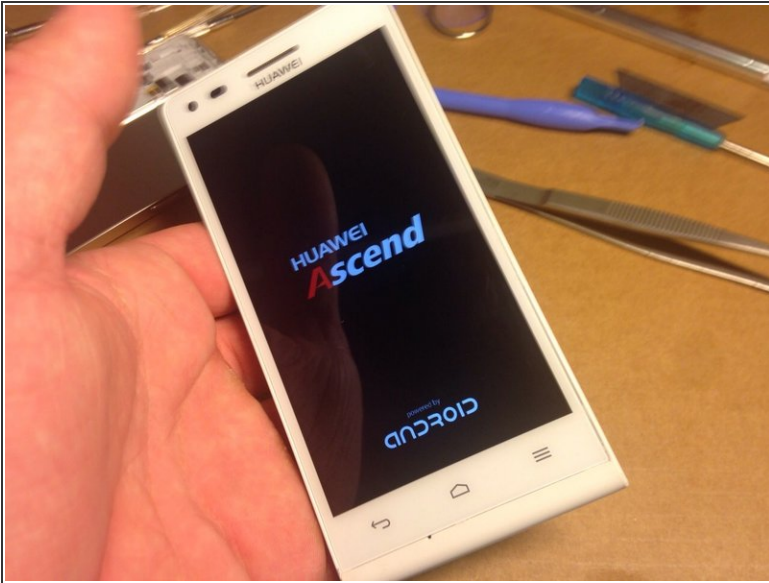This document was generated on 2020-12-06 08:00:39 AM (MST).

Step 8

- Remove all of the old double-sided tape and with it any remaining pieces of glass. Apply a new layer of double-sided tape to the frame, remembering to keep the front facing camera and the proximity sensor unobstructed.

- Remove the front speaker protective grill from the old screen assembly and make sure to place it in your new part.

- You will not need to remove anything else from the old front panel assembly.

- Remove the protective cover and fit the new front panel into place, routing the flex cables through the gaps, making sure they are not bent or stuck in any way.

- ⚠ When reassembling, to prevent problems with the touchscreen, add a piece of tape on the digitizer cable. This prevents the digitizer flex from making contact with the motherboard. (Thanks to Maxim Trofimov for this tip)
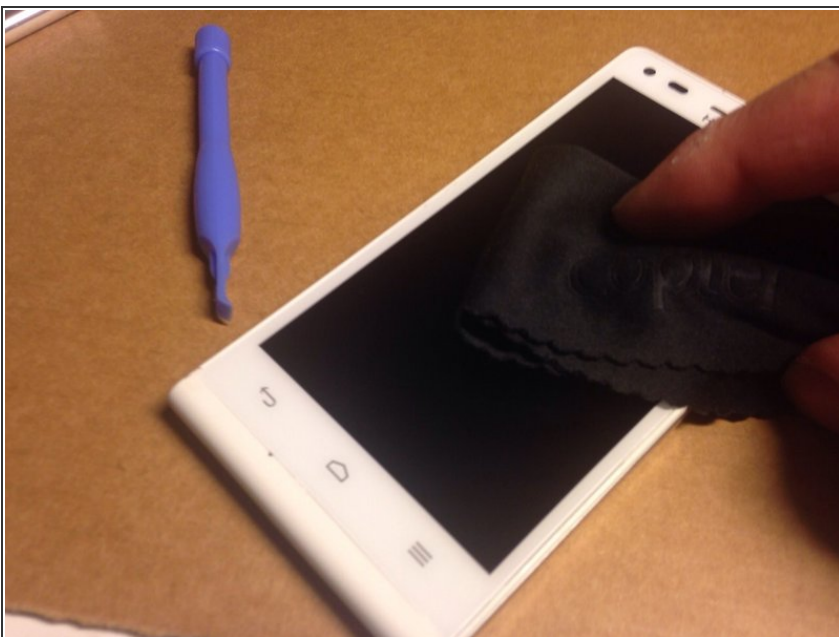
Step 9

- You can now follow the instructions in reverse order to reassemble the phone. After clipping down all seven of the flex cables you can turn on the phone to check that everything works.

- You can also take time to clean dust off the insides of the phone with a can of compressed air and if necessary, clean the camera lens with isoprophyl alcohol and a cotton swab.

Step 10

- Finished!

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To reassemble your device, follow the instructions in steps 1-6 reverse order.

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