



# Samsung Galaxy Note8 NFC Antenna and Charging Coil Assembly Replacement

Use this guide to replace a broken NFC antenna...

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# INTRODUCTION

Use this guide to replace a broken NFC antenna and charging coil assembly in the Samsung Galaxy Note8.

**Before disassembling your phone, discharge the battery below 25%. The battery can catch fire and/or explode if accidentally punctured, but the chances of that happening are much lower if discharged.**

**If your battery is swollen, do not heat your phone.** If needed, you can use a dropper or syringe to inject isopropyl alcohol (90+%) around the edges of the back cover to weaken the adhesive. Swollen batteries can be very dangerous, so wear eye protection and exercise due caution, or take it to a professional if you're not sure how to proceed.

Opening the Samsung Galaxy Note8 will **damage the waterproof sealing** on the device. If you do not replace the adhesive seals, your phone will **function normally**, but will **lose water-protection**.

This guide involves removing the rear glass cover, you will need replacement adhesive to reattach the back cover to the phone.

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## TOOLS:

[iOpener](#) (1)  
[Suction Handle](#) (1)  
[iFixit Opening Picks \(Set of 6\)](#) (1)  
[Tweezers](#) (1)  
[Phillips #00 Screwdriver](#) (1)

## PARTS:

[Galaxy Note8 Wireless Charging Coil](#) (1)  
[Galaxy Note8 Rear Cover Adhesive](#) (1)

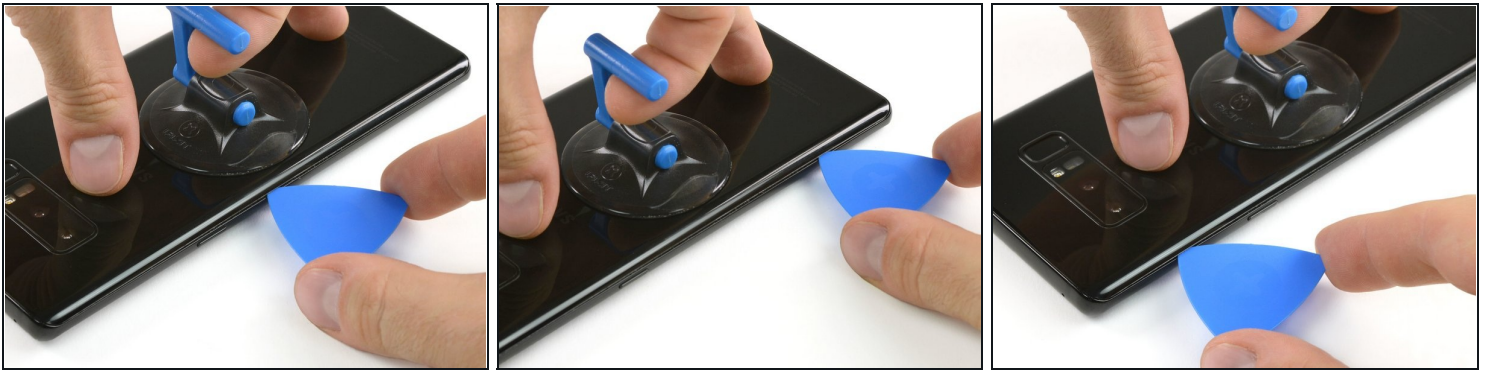
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## Step 1 — Back Cover



- Switch off your phone.
- [Prepare an iOpener](#) for softening the adhesive on the back of the Note8.
- Apply the iOpener on the back of the Note8 along the side with the power button.

## Step 2



- Use a suction handle to lift the back cover and create an opening pick to get in the gap.
  - ① Since the back cover is also slightly curved at the edges you want to insert the opening pick at a lower angle from underneath.
- Start at the middle of the side and cut the adhesive while pulling up with the suction handle.
  - ⚠ Be careful not to lever the opening pick too much to avoid breaking the back cover. Rather pull with the suction handle and use the pick for cutting the adhesive.
- Move the pick towards the bottom corner and leave it there to keep the adhesive from resealing to the case.
- Use another pick and move it to the top corner.
  - ① If it's getting harder to move the pick you might need to reheat the iOpener and apply it to the back cover again.

### Step 3



- Again take another opening pick and carefully move it around the corner and along the top edge.
- Reheat with an iOpener if necessary.
- Leave the pick at the top right corner to keep the adhesive from resealing.

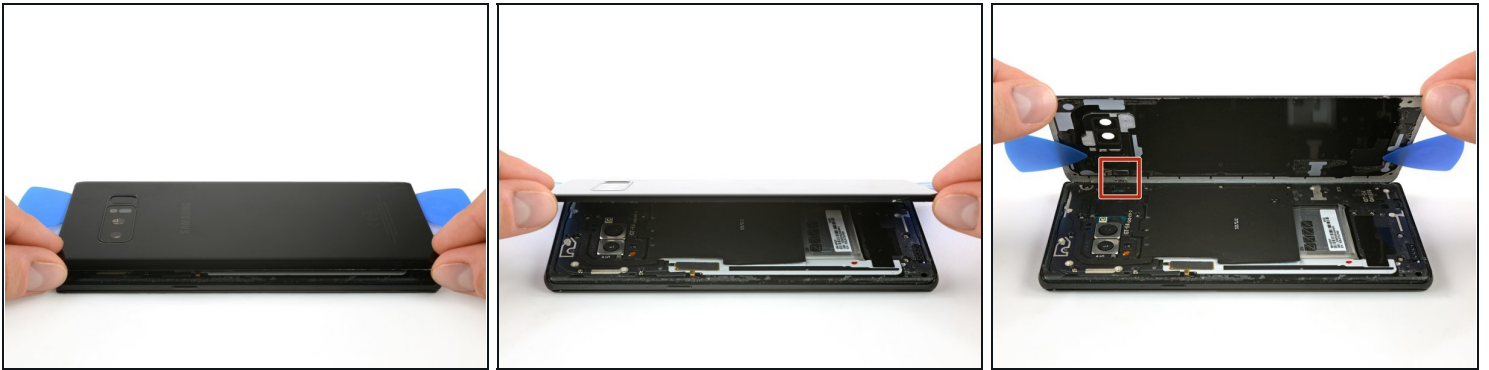
### Step 4



- Rotate the device and start to separate the adhesive at the bottom with another opening pick.
- Leave the pick at the bottom right corner to keep the adhesive from resealing.



## Step 5



- When the adhesive has been separated on all three sides properly you will be able to slowly lift the back cover.  
**⚠ Don't force it open. Use an iOpener to again soften the adhesive if the back cover won't come off or starts to bend.**
- Pay attention to the fingerprint sensor connector when flipping the back cover open. You might need to disconnect it as described in the next step.

## Step 6



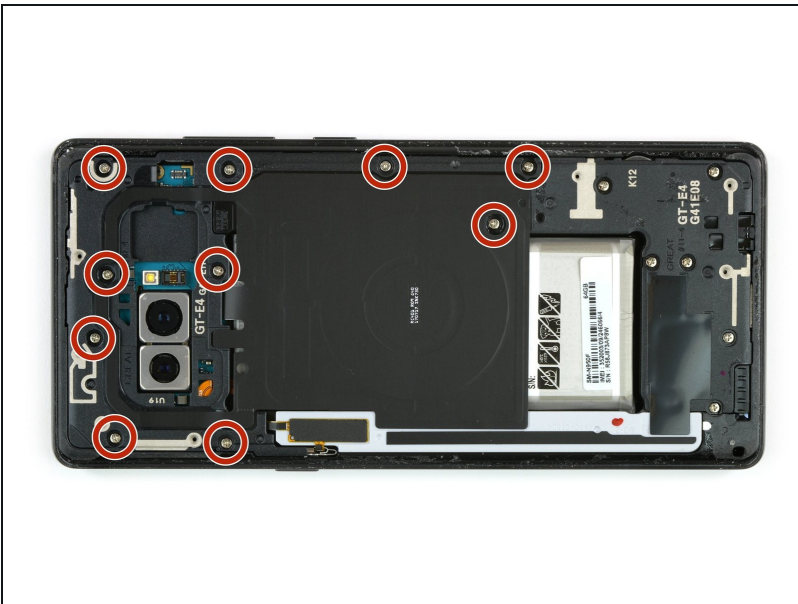
- Use a pair of [tweezers](#) to disconnect the fingerprint sensor.
- ⓘ The connector might already have come off when flipping the back cover open.

## Step 7



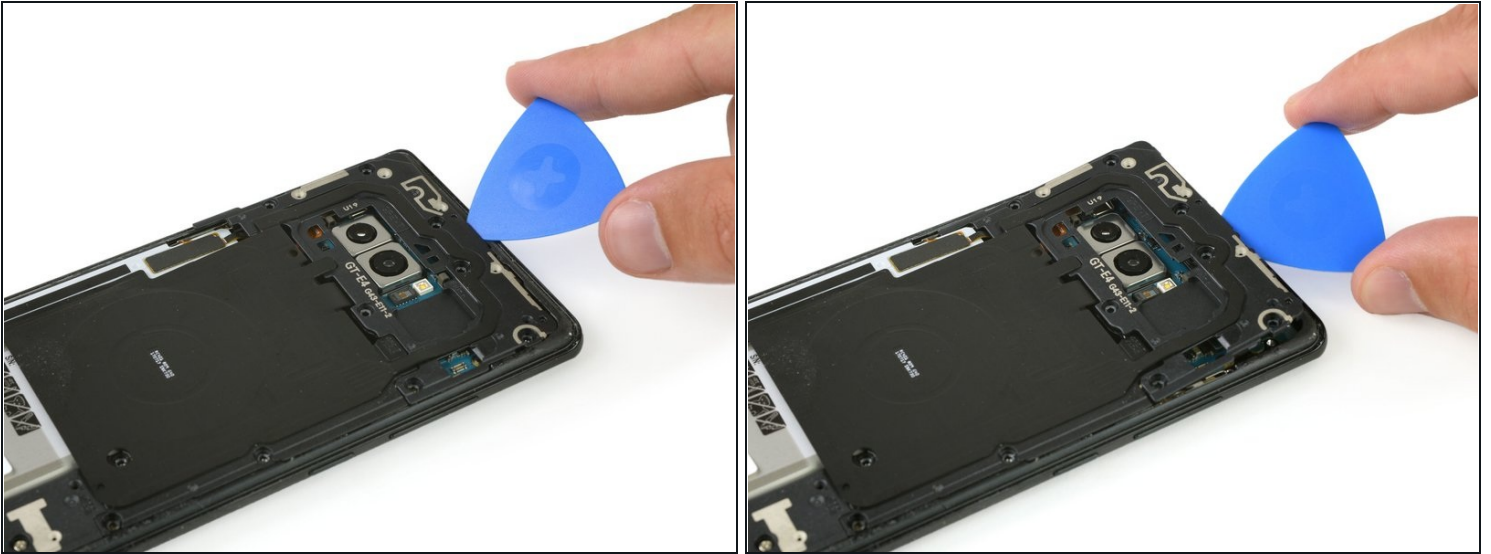
- Remove the back cover.
- ✦ To prepare for the reassembly remove any remaining adhesive from the phone, and clean the glued areas with isopropyl alcohol and a lint-free cloth.

## Step 8 — NFC Antenna and Charging Coil Assembly



- Remove the ten Phillips #00 screws.

## Step 9



- Use an opening pick at the top edge to get between the NFC antenna and charging coil assembly and the case.
- Lever the top of the assembly out of the case.

## Step 10



- Carefully pull up the complete charging coil and NFC antenna assembly.

⚠ The bottom left part of the assembly is slightly glued down to the frame.



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To reassemble your device, follow these instructions in reverse order. Apply new adhesive where it is necessary.