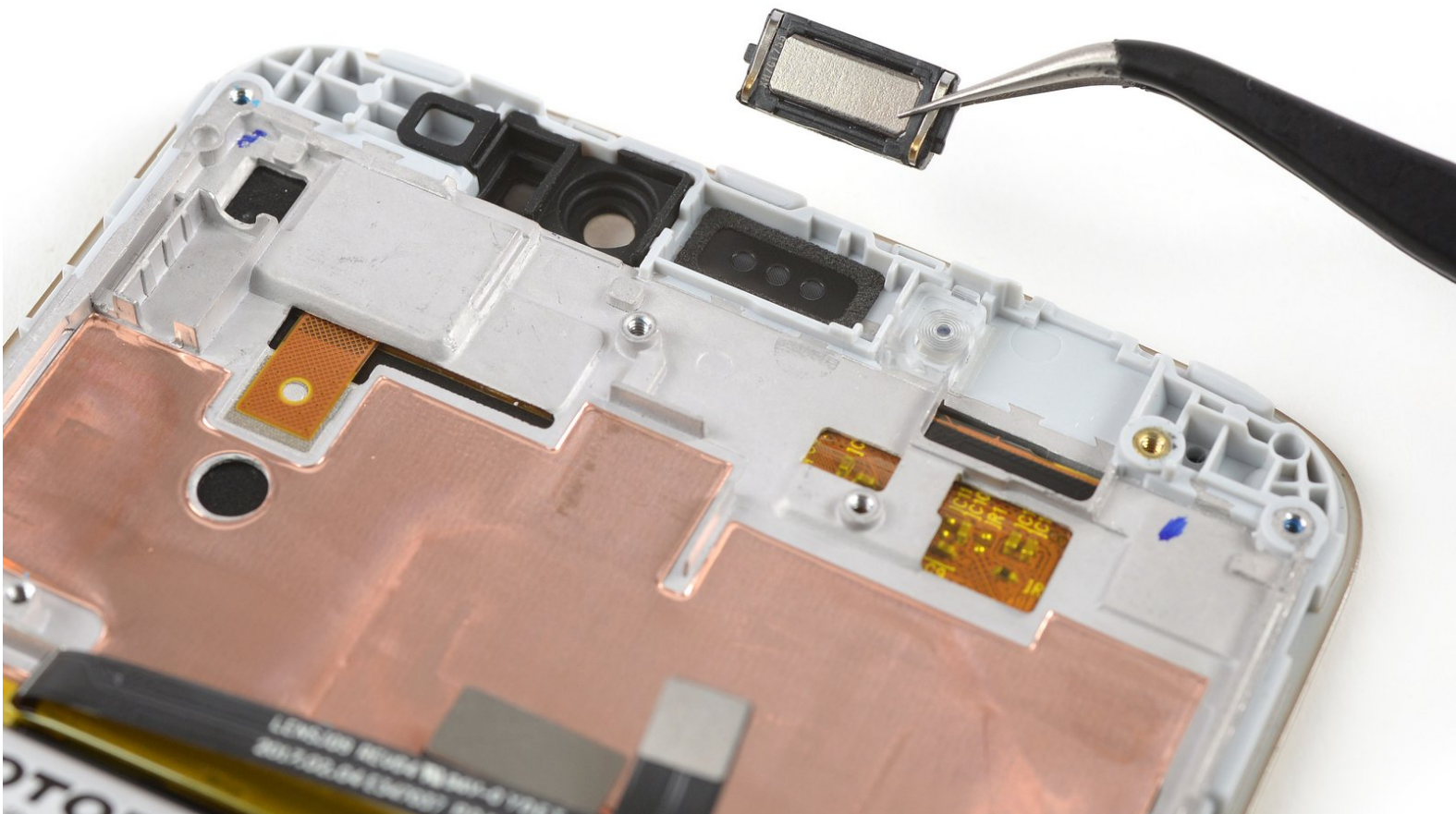




Motorola Moto E4 Plus Earpiece Replacement

This guide shows how to remove the earpiece speaker in the Motorola Moto E4 Plus (XT1771).

Written By: Dominik Schnabelrauch



INTRODUCTION

Use this guide to remove the earpiece speaker in the Motorola Moto E4 Plus (XT1771).

Before disassembling your phone, discharge the battery below 25%. [If your battery is swollen](#), do not heat your phone. 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.

You'll need replacement adhesive to reattach components when reassembling the device.



TOOLS:

- [Spudger](#) (1)
 - [iFixit Opening Picks set of 6](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [Tweezers](#) (1)
 - [iOpener](#) (1)
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Step 1 — Remove the back cover



 Power off your phone before beginning disassembly.

- Insert the edge of the spudger into the notch on the bottom right corner of the phone.
- Twist the spudger to start releasing the back cover from the phone.
- Slide the spudger along the bottom edge to separate the back cover from the phone.

Step 2



- Lift the phone unit out of the back cover.

Step 3 — Midframe



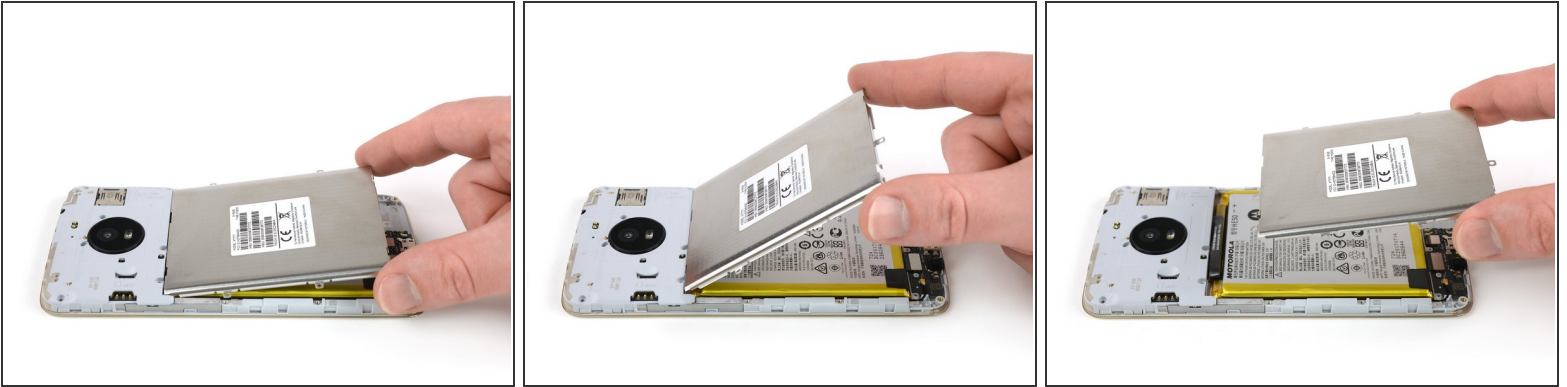
- Remove the eighteen 3.3 mm Phillips screws securing the midframe assembly.

Step 4



- Remove the charging board cover.

Step 5



- Remove the battery cover.

Step 6



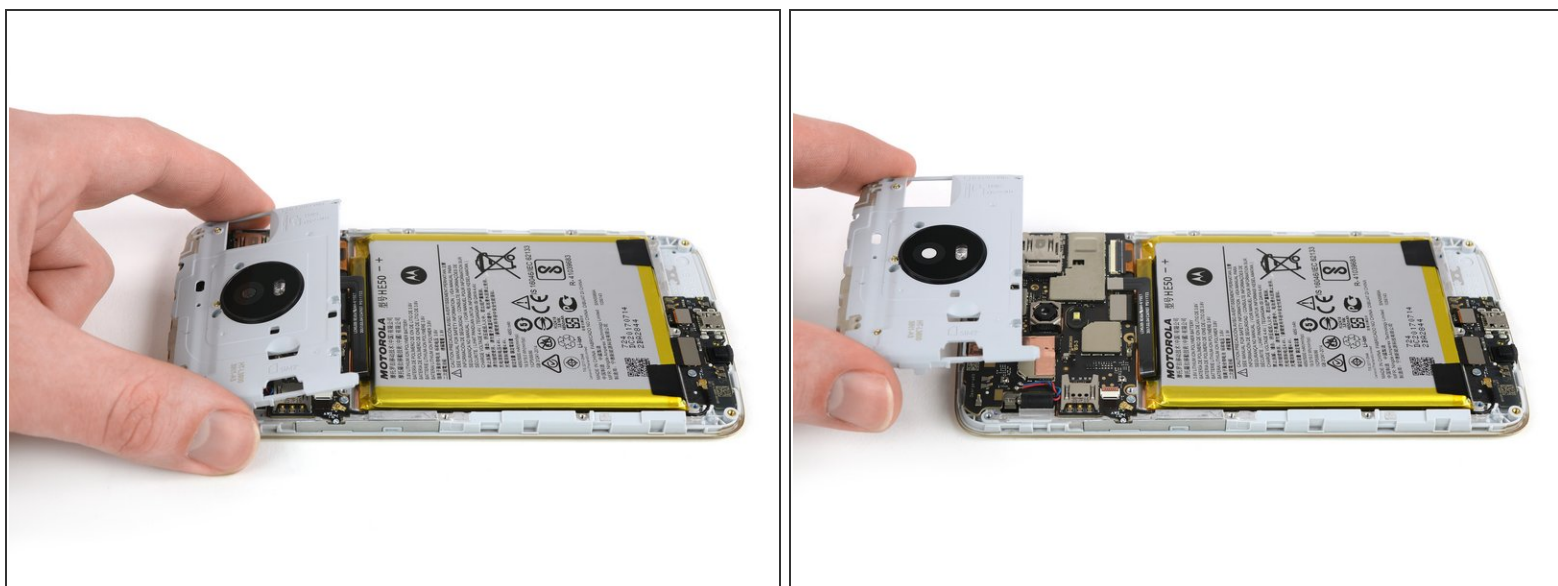
- Insert an opening pick underneath the bottom left corner of the motherboard cover.
- Slide the opening pick between the cover and the second SIM tray to release the plastic clip.

Step 7



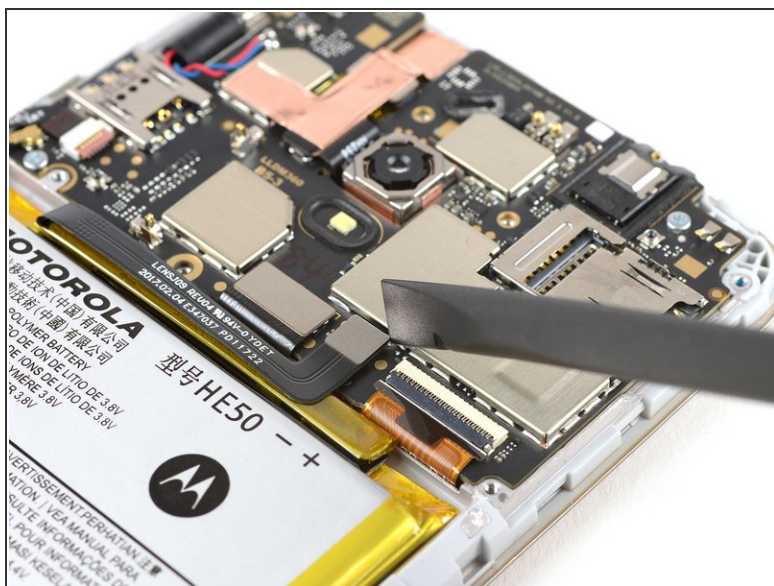
- Insert an opening pick underneath the bottom right corner of the motherboard cover.
- Use the opening pick to pry up the motherboard cover.

Step 8



- Remove the motherboard cover.

Step 9 — Battery Disconnect



- Use the edge of a spudger to pry up and disconnect the battery flex cable from the motherboard.

Step 10 — Motherboard Assembly



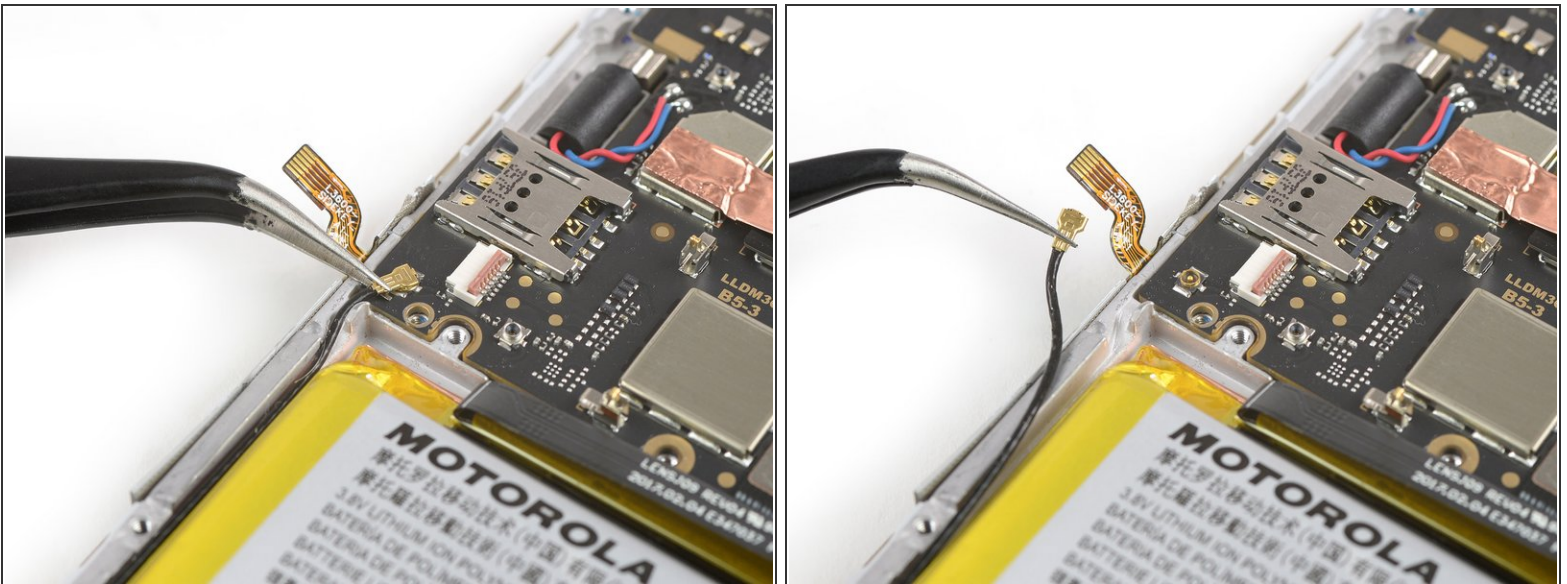
- Remove the two 2.9 mm Phillips screws.

Step 11



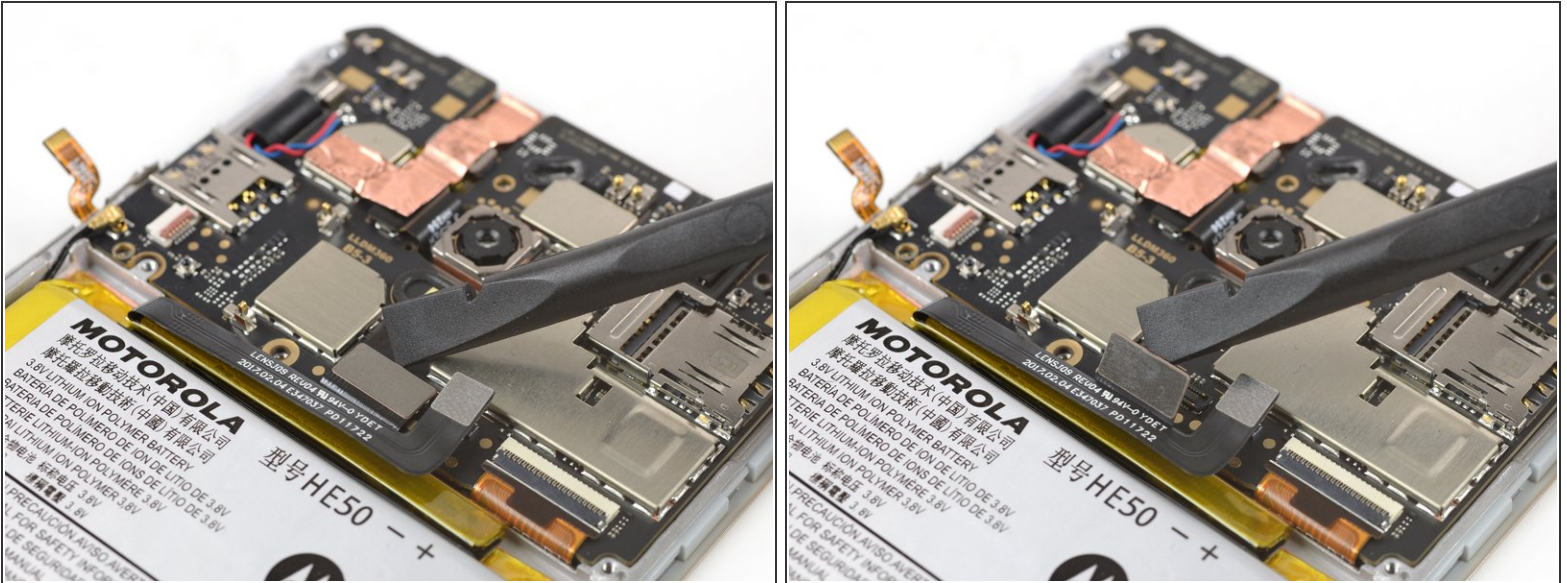
- Use the edge of a spudger to pry up the flap of the ZIF connector located below the SIM slot on the left side of the motherboard.
 - Use a pair of tweezers to pull the power and volume button flex cable out of the ZIF connector.
- ☒ To reattach [ZIF connectors](#) like this one, carefully insert the flex cable into the ZIF connector up to the marked line on the cable, and then close the locking flap.

Step 12



- Use a pair of tweezers to pry up and disconnect the antenna cable.

Step 13



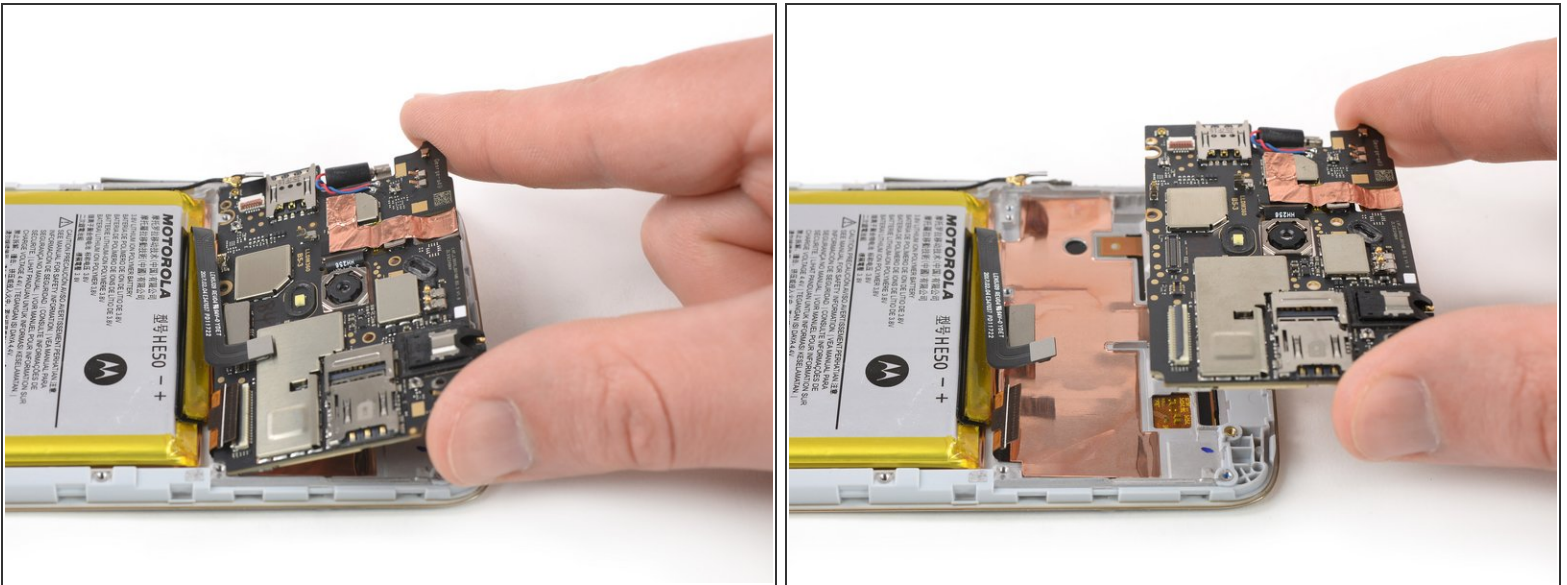
- Use the flat end of a spudger to pry up and disconnect the interconnect flex cable.

Step 14



- Use the tip of a spudger or an opening pick to pry up the flap of the ZIF connector, located in the bottom right corner of the motherboard.
- Use a pair of tweezers to pull the display flex cable out of the ZIF connector.

Step 15



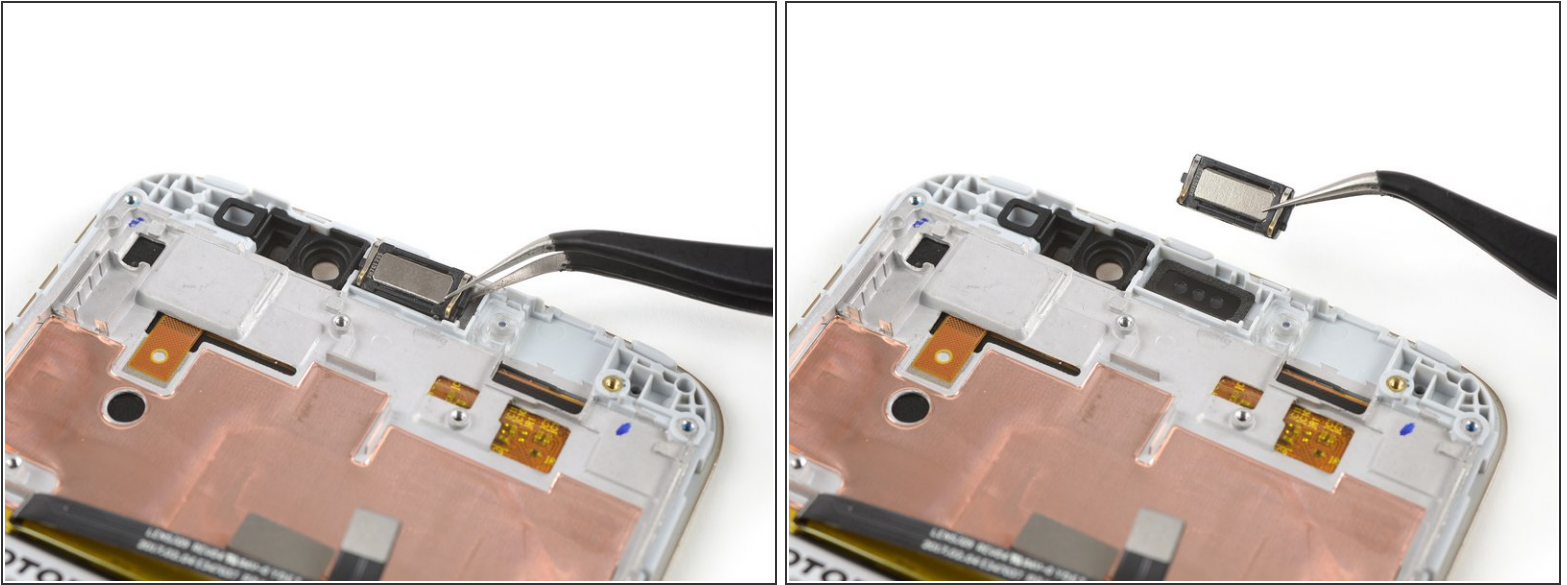
- Grasp the motherboard by the top corners and remove it by lifting up and pulling it carefully out of its recess.



Step 16 — Earpiece Speaker



- Apply a [heated iOpener](#) to the upper part of the phone for about 30 seconds to loosen the adhesive beneath the earpiece speaker.

Step 17



-  When removing the earpiece speaker with a pair of tweezers, take care to grab the whole unit. The earpiece speaker can easily break in two pieces if you only pull on its upper half.
- Use a pair of tweezers to lift the earpiece speaker out of its recess and remove it.
 -  When reassembling, be sure to properly orient the earpiece speaker such that the gold contacts are pointing away from the top edge.

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