



Fairphone 1 Earpiece Speaker Replacement

Use this guide to replace a nonfunctioning...

Written By: Andrew Optimus Goldheart



INTRODUCTION

Use this guide to replace a nonfunctioning earpiece speaker in your Fairphone.

TOOLS:

[iFixit Opening Picks \(Set of 6\)](#) (1)

[Phillips #000 Screwdriver](#) (1)

[Spudger](#) (1)

[Tweezers](#) (1)

Step 1 — Back Cover



 There is a small indentation in the side of the phone near the bottom of the back cover.

- With the indentation as leverage, use your fingernail to pry the bottom portion of the back cover from the phone.

Step 2



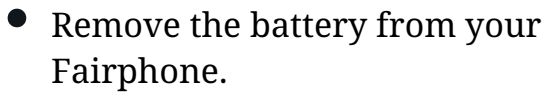
- Slide the back cover down and remove it from the phone.

Step 3 — Battery



- ① There is a small indentation in the back of the phone just below the battery.
- Use a fingernail in this indentation to push the battery toward the top of the phone
- Pull the battery out away from the phone.

Step 4



- Remove the battery from your Fairphone.

Step 5 — SIM and MicroSD Card



- Use your finger to slide the SIM card straight down out of its tray.
- Remove the SIM card from your Fairphone.
- ① Repeat this procedure if you have a second SIM card.

⚠ Be sure to remove all SIM cards before servicing your phone.

Step 6



- If you have a microSD card, use your finger to slide it straight out of its slot.
- Remove the microSD card from your phone.

Step 7 — Midframe Assembly



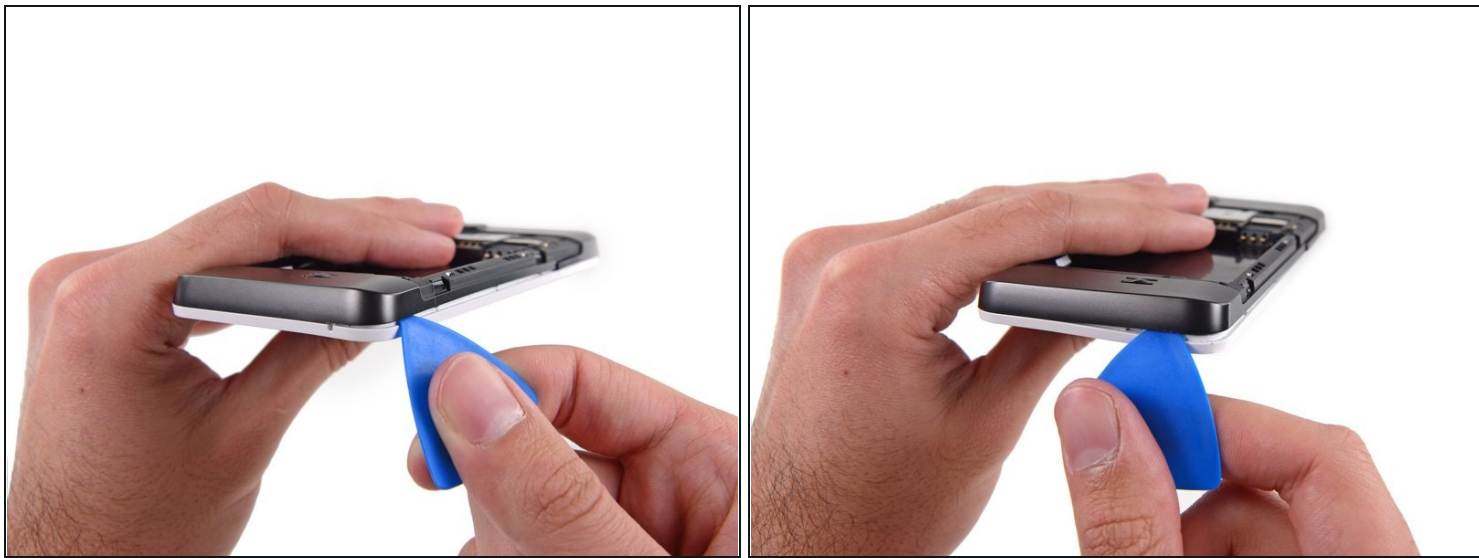
- Remove the five 3.9 mm Phillips #000 screws securing the midframe to the display assembly.

Step 8



- ① The midframe is secured to the display assembly by several small plastic clips.
- Use an opening pick to carefully pry the midframe away from the display assembly.
- Start just below the volume rocker and work your way down toward the bottom of the phone, freeing the plastic clips along the side.

Step 9



- Carefully round the corner, separating the midframe from the display assembly.

Step 10



- ① After rounding the next corner, the midframe should be free along the bottom and the sides.

Step 11



- Run the opening pick and pry along the top seam.

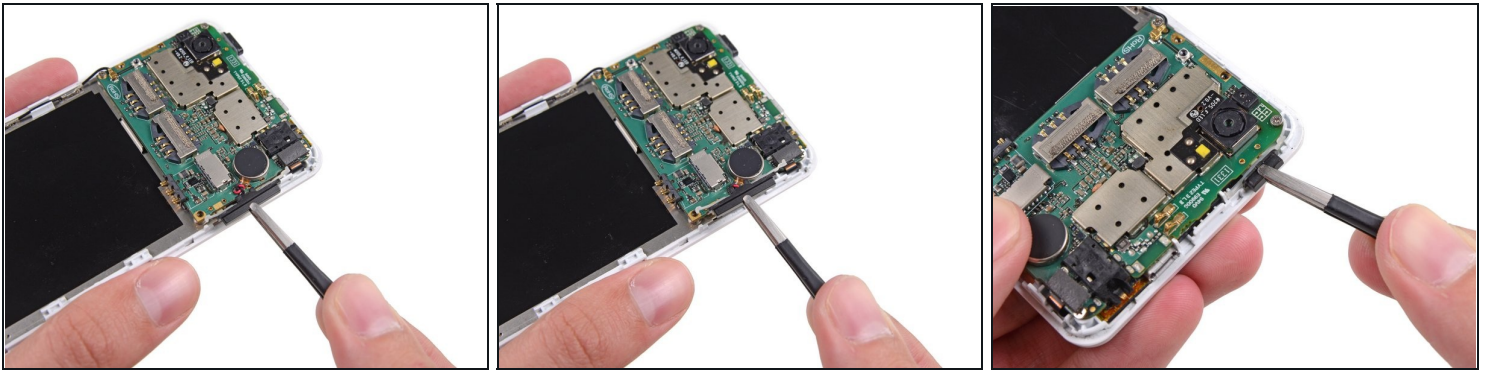
⚠ To avoid bending or damaging the opening picks, do not pry near to the power switch, USB port, or headphone jack.

Step 12



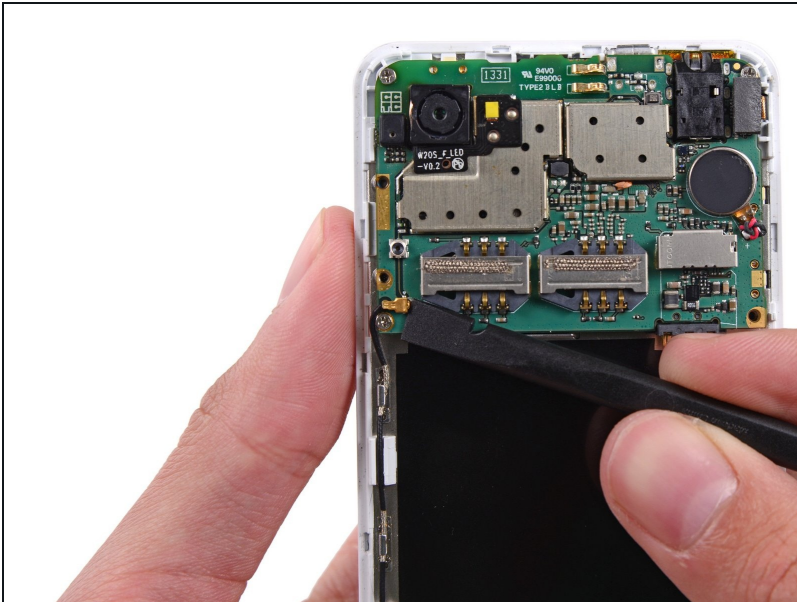
- Separate any remaining clips and remove the midframe from the phone.

Step 13 — Motherboard Assembly



- Use [tweezers](#) to remove the volume rocker and power buttons from the display assembly.
- ① During reassembly make sure the orientation of the buttons is correct. The rubber backings must fit into the channels in the assembly.

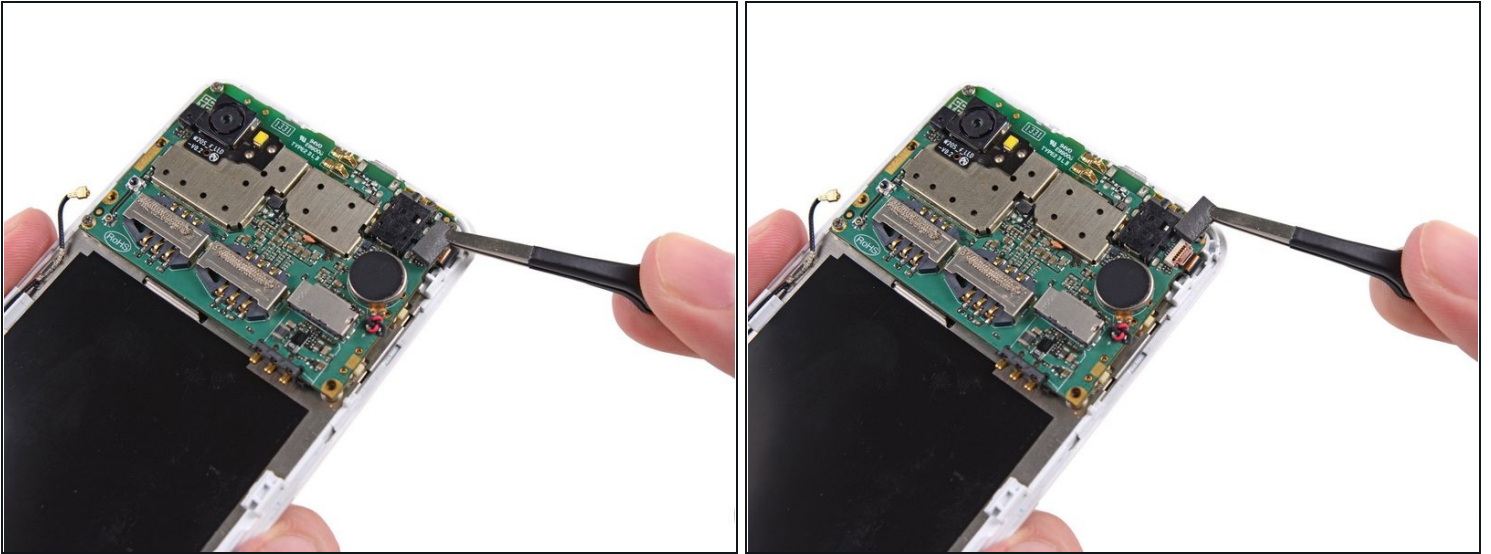
Step 14



- Use the flat end of a spudger to disconnect the antenna cable connector.

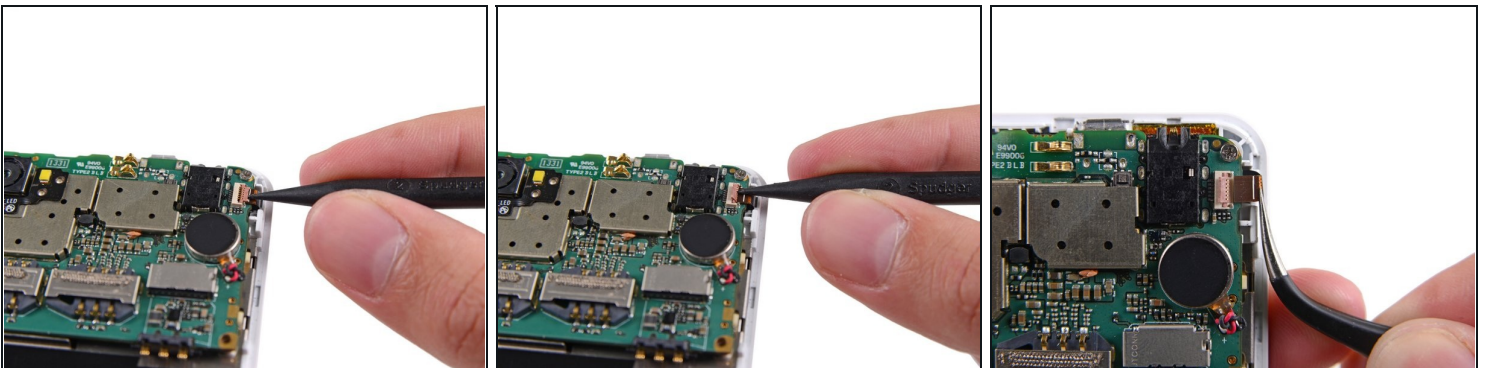
⚠ Make sure to only disconnect the connector from its socket, and **not** the entire socket from the board.

Step 15



- Use tweezers to remove the adhesive foam tape from the top of the digitizer cable ZIF socket.

Step 16



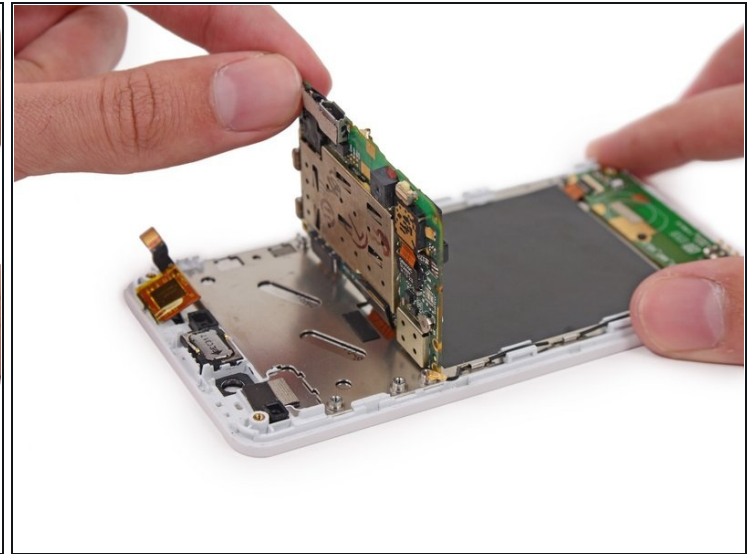
- Use the tip of a spudger to flip open the tab on the digitizer ZIF connector.
- Use tweezers to pull the digitizer cable away from its socket on the motherboard.

Step 17



- Remove the three 2.5 mm Phillips #000 screws securing the motherboard to the display assembly.

Step 18



⚠ Do **not** try to remove the motherboard just yet, as it is still connected to the display assembly by the display data cable.

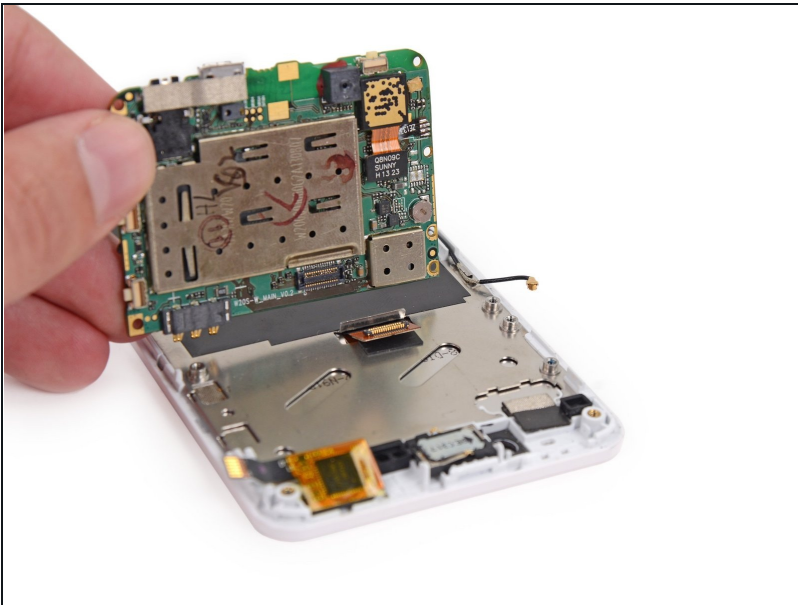
- Gently lift the top end of the motherboard up to expose the display data cable.
 - ⓘ The rear-facing camera may be adhered to the display assembly. Try to pry it and the motherboard up together.

Step 19



- Use the tip of a spudger to disconnect the display data cable from the back of the motherboard.

Step 20



- Remove the motherboard from the display assembly.

Step 21 — Earpiece Speaker



- ⓘ The earpiece speaker is held to the back of the display assembly with some mild adhesive.
- Use the tip of a spudger to gently pry the speaker up from the display assembly.
 - Remove the speaker.
-

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