



Motorola Moto X Headphone Jack/Speaker Assembly Replacement

Replace the headphone jack/speaker assembly in a Motorola Moto X.

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INTRODUCTION

Use this guide to replace you Motorola Moto X's upper midframe assembly containing: the headphone jack, the speaker and upper antennae.

[video: <https://www.youtube.com/watch?v=xwKoDMZcDnc>]



TOOLS:

- [SIM Card Eject Tool](#) (1)
 - [iOpener](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Spudger](#) (1)
 - [T3 Torx Screwdriver](#) (1)
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Step 1 — SIM Card



- Insert the SIM card eject tool into the hole in the side of the SIM card tray and push to eject the tray.
 - Remove the SIM card tray.
- i** If the SIM card does not fall free from the tray on its own, simply remove it with your fingers.

Step 2 — Back Cover Assembly



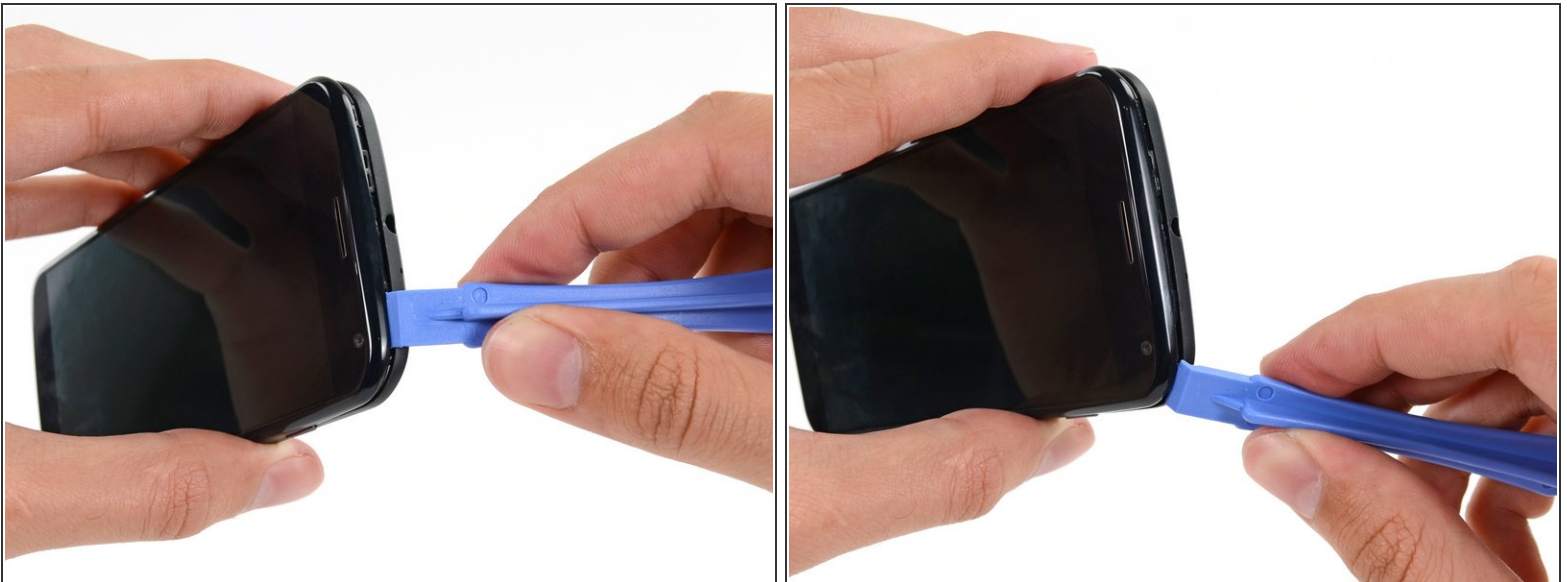
- i** In the following steps you will be releasing the clips holding the phone's cases together. However, the back case is also secured with an adhesive pad. After separating the clips you will use an iOpener to allow the case to fully open. **Do not** attempt to fully open the phone before loosening the adhesive.
- Insert a plastic opening tool into the seam between the front and rear covers near the SIM card slot.
 - Slide the plastic opening tool along the seam toward the upper corner.

Step 3



- Carefully slide the plastic opening tool around the corner, freeing it from clips.

Step 4



- Pry around the top right corner of the phone between the two covers.

Step 5



- Run the opening tool along the seam around all four sides, separating the remaining clips holding the cover on.

 The plastic on the front cover is thinner near the buttons, and the buttons may move around. Go slowly to avoid damaging the buttons or the front cover.

 Do not push the opening tool deep into phone, or you may damage internal components.

Step 6



- [Heat an iOpener](#) and lay it over the phone for approximately 90 seconds to loosen the adhesive securing the back cover.

Step 7



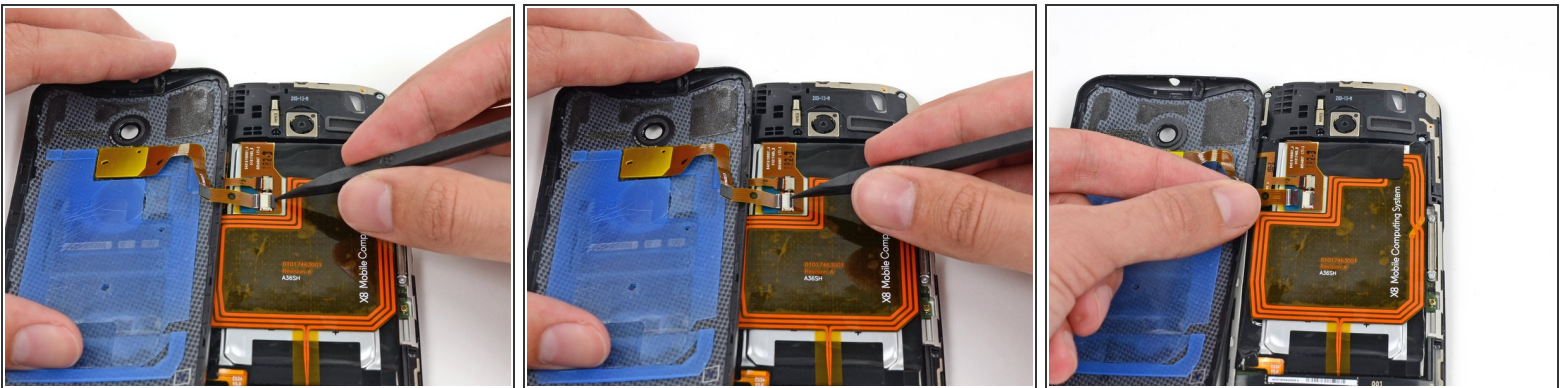
- Starting from the SIM slot side, carefully peel the back cover off of the phone.
- ⓘ The back cover is very flexible, but you don't want to damage any internal components by being too hasty.
- ⚠ There is a chance that the NFC coil may remain stubbornly adhered to the back cover. If that's the case, stop peeling the cover and reapply a heated iOpener to the back cover.
- ⚠ **Do not** separate the back cover entirely; it is still connected to the phone by the camera flash cable.
- ⓘ The flash cable is attached on the power/volume button side of the phone.

Step 8



- Gently set the back cover down in a way that exposes the camera flash cable connector, but does not put strain on it.

Step 9



- Use the tip of a spudger to flip up the retaining flap on the flash cable ZIF connector.

⚠ Be sure to pry only on the flap itself, **not** on the connector.

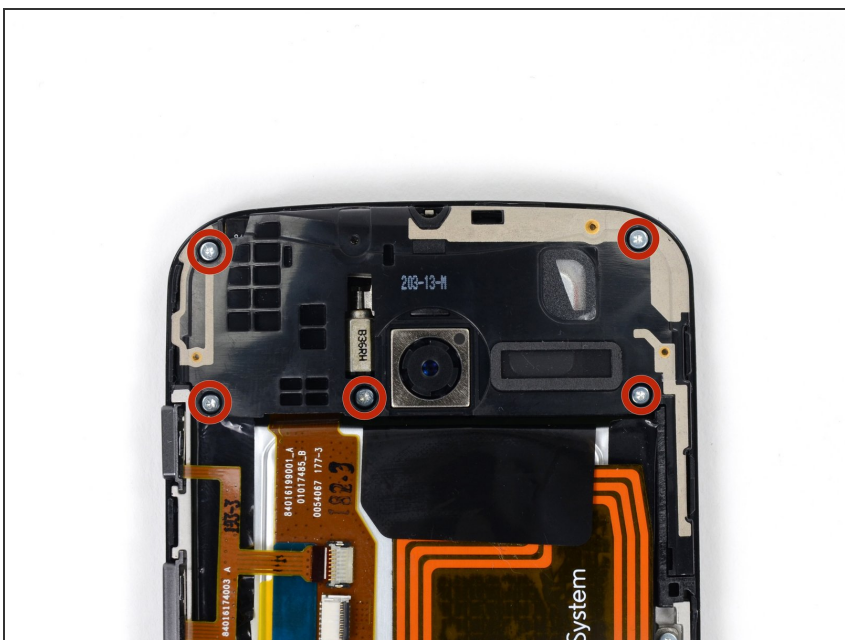
- Pull the flash cable straight out of its socket.

Step 10



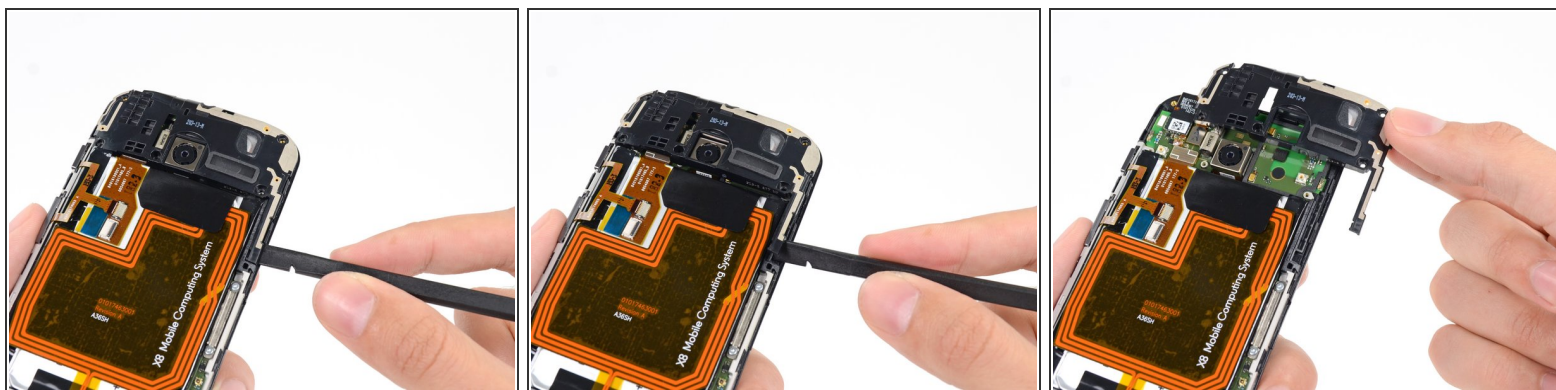
- Separate the back cover from the phone.

Step 11 — Headphone Jack/Speaker Assembly



- Remove the five 3 mm T3 Torx screws from the headphone jack/speaker assembly.

Step 12



- Insert a spudger under the panhandle of the headphone jack/speaker assembly and pry it up from its recess.
- Remove the headphone jack/speaker assembly.

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