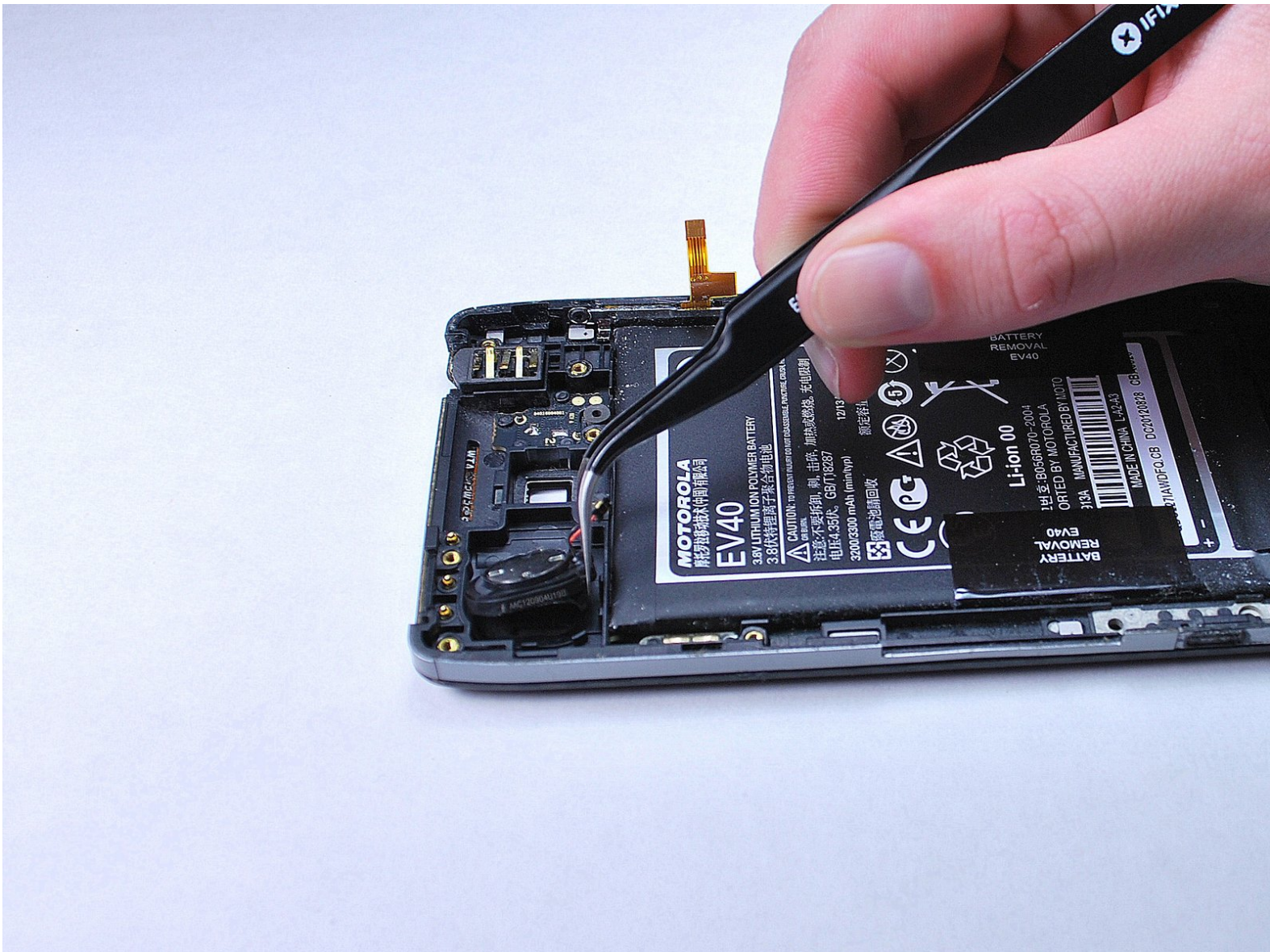




# Motorola RAZR Maxx HD External Speaker Replacement

If your phone is not producing sound, this guide will show you how to replace the external speaker on the Motorola RAZR Maxx HD.

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## INTRODUCTION

The external speaker is located under the motherboard of the phone, making it necessary to take out the motherboard to access the speaker. This guide involves the removal of various screws and parts so make sure you are in a clean and organized environment to avoid the loss of any components.

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### TOOLS:

- [Spudger](#) (1)
  - [T5 Torx Screwdriver](#) (1)
  - [Tweezers](#) (1)
  - [Paper Clip](#) (1)
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## Step 1 — Screen Removal



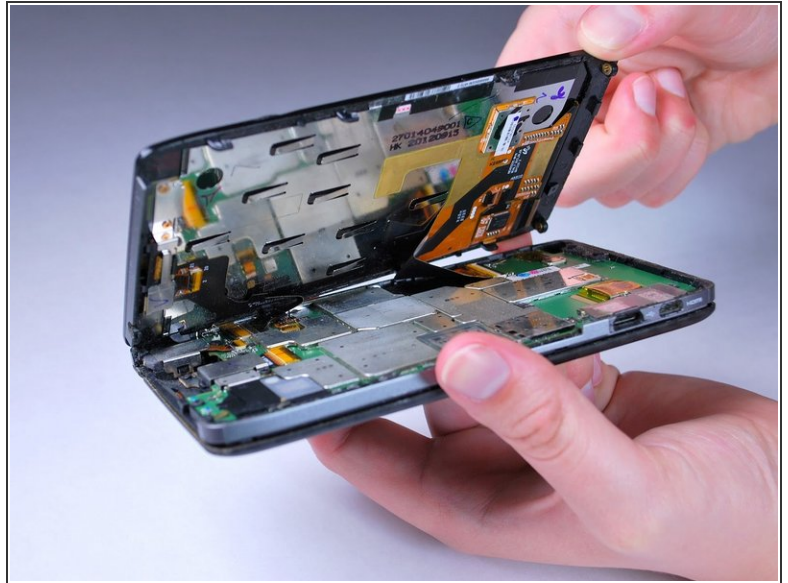
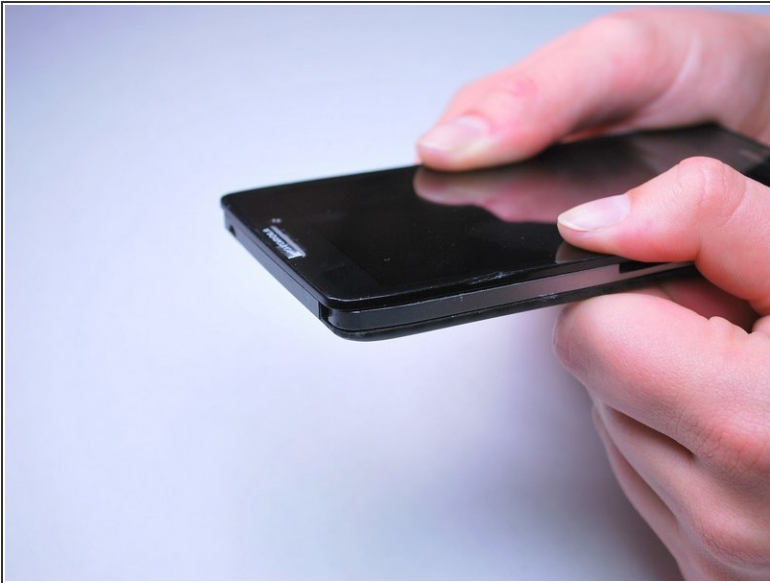
- Use the Torx T5 Screwdriver to remove two 5.0 mm screws at the bottom of the phone.

## Step 2




- To remove the SIM card, use an unfolded paperclip to press down on the metal plate on the left side of the phone until it pops up.

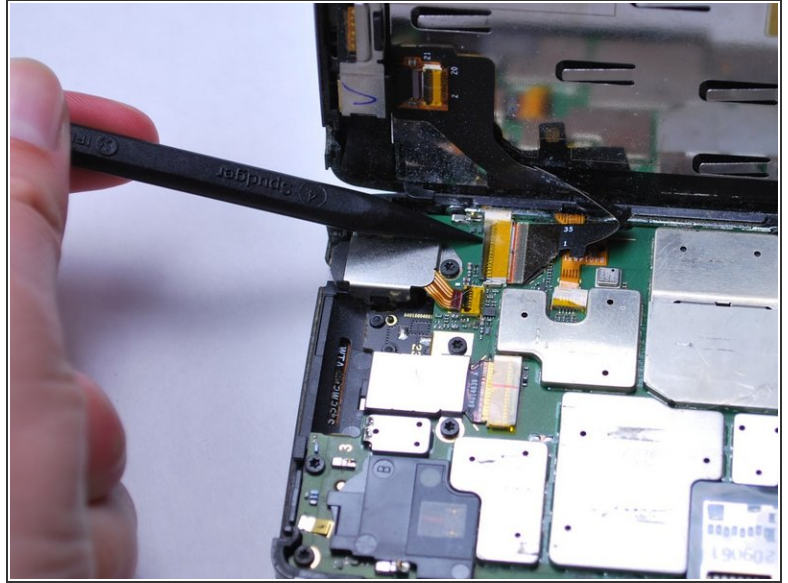
## Step 3



- Gently push the screen toward the top edge of the phone and tilt the screen to reveal the black flex cables.

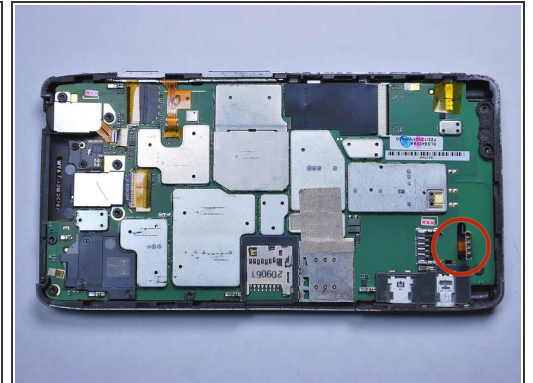
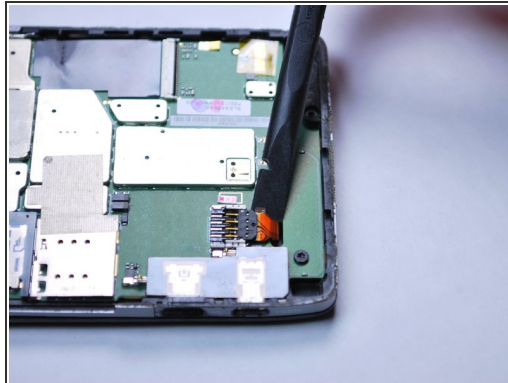
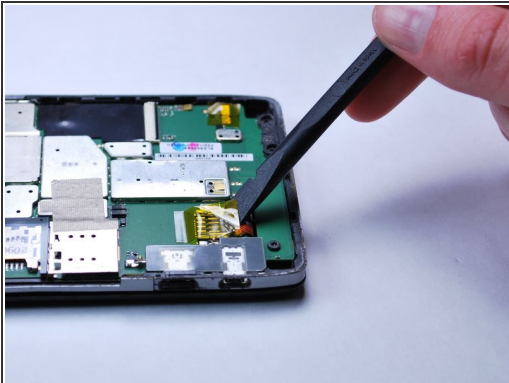
 Do NOT remove the screen all the way or the flex cables will be damaged.

## Step 4



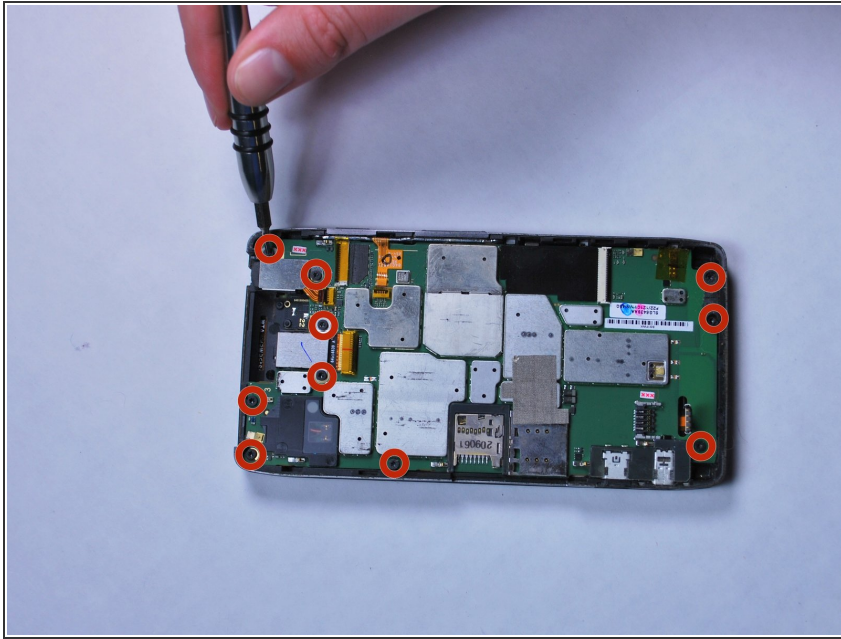
- Release the two black ribbon flex cables by gently pulling up on the connection using the spudger. Then lift the screen to remove.
- ⚠ Make sure to remove the flex cables before completely removing the screen.
- ⓘ When reassembling, align the white bands on the edge of the screen so that a connection is made.

## Step 5 — Circuit Board



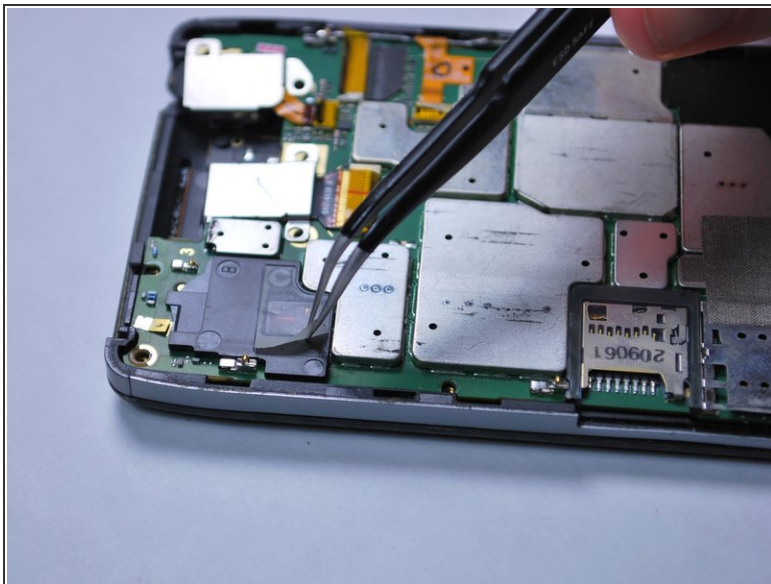
- Remove the plastic yellow tape on the battery connector using the spudger.
- Pry up on the orange connection to release it from the motherboard.

## Step 6



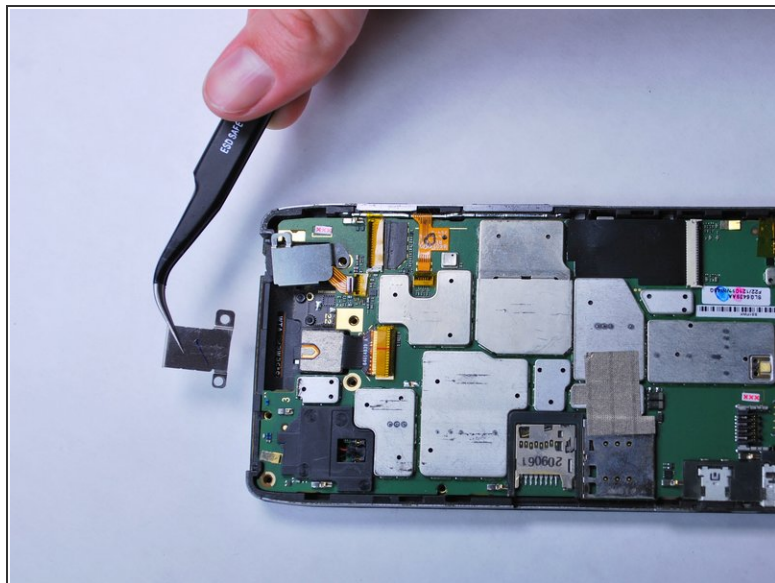
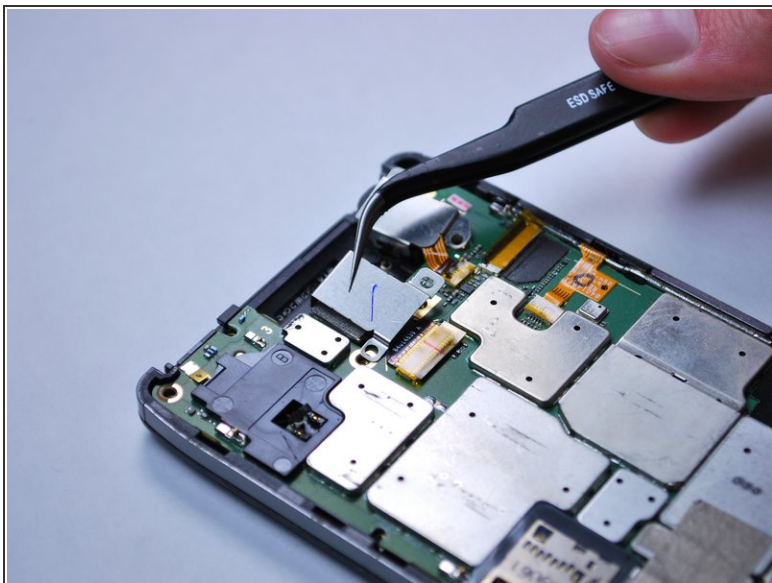
- Unscrew all ten 4.0 mm screws on the motherboard using a T5 Torx screwdriver.

## Step 7



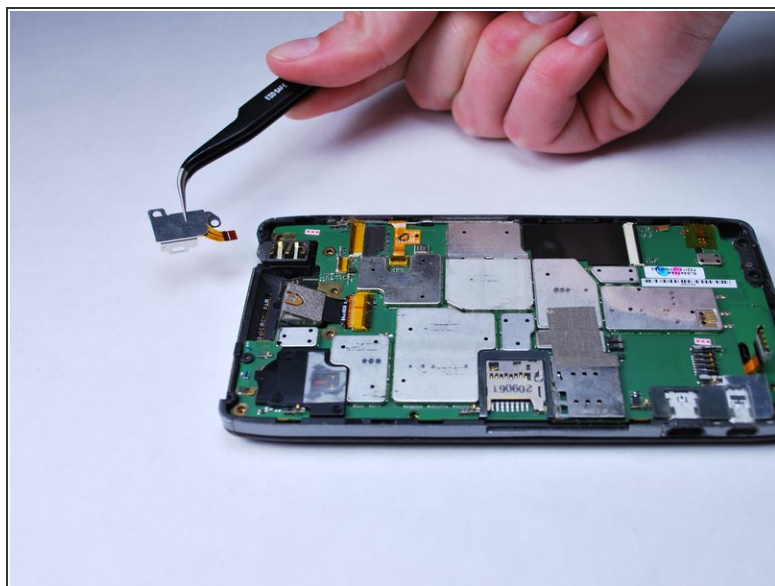
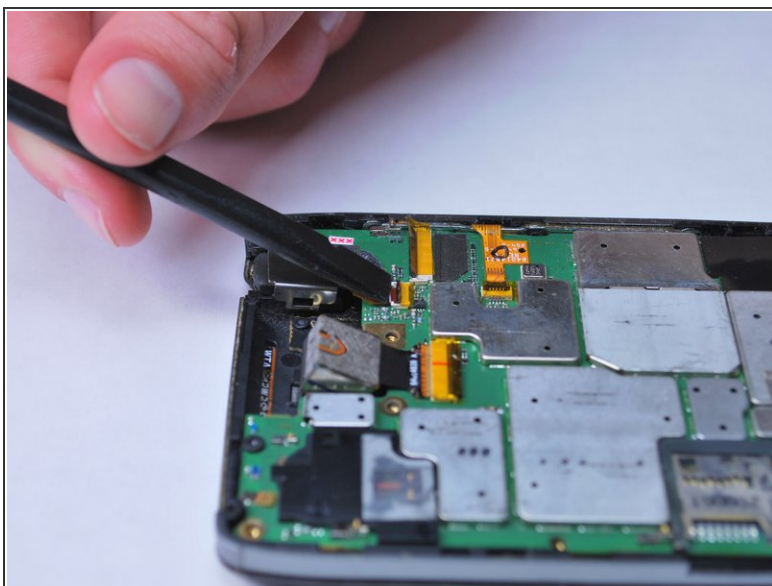
- Using tweezers, remove the clear plastic covering on the speaker.
- Pry open the connection by lifting up on the speaker wire connector.

## Step 8



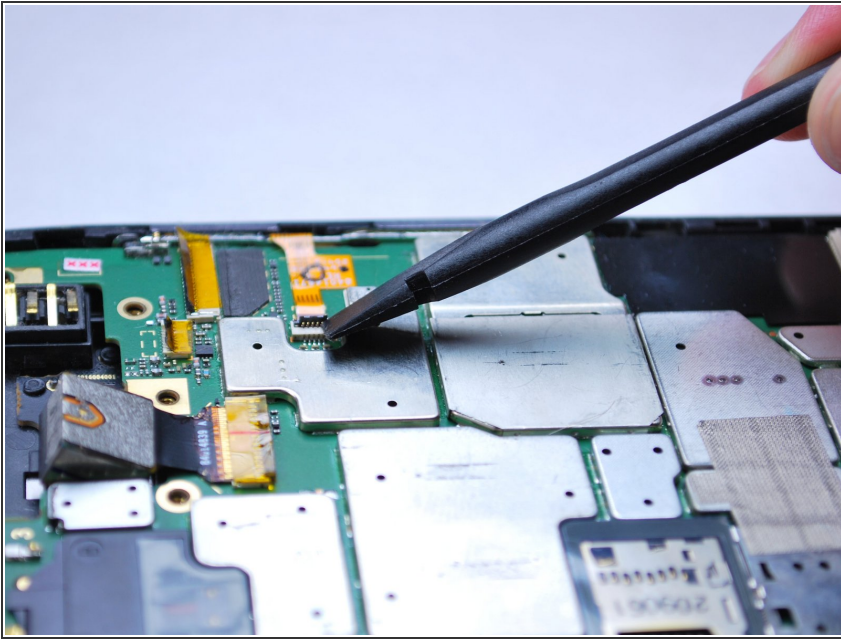
- Using tweezers, remove the back facing camera cover.

## Step 9



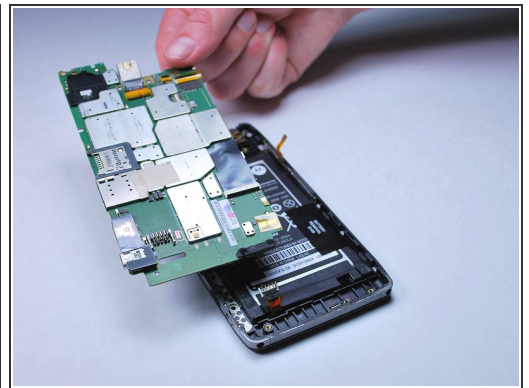
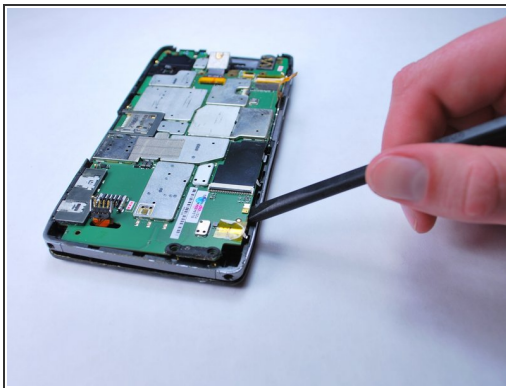
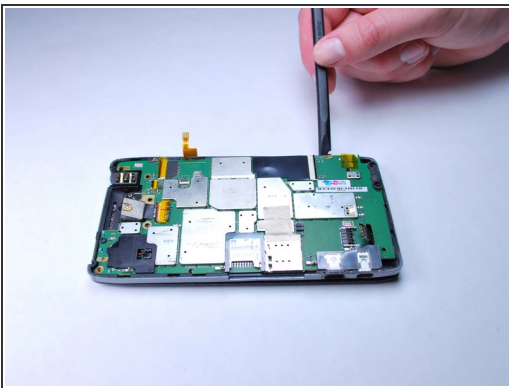
- Using the spudger tool, release the yellow ribbon cable on the headphone jack cover by pushing up on the connection.
- Remove the cover from the motherboard.

## Step 10



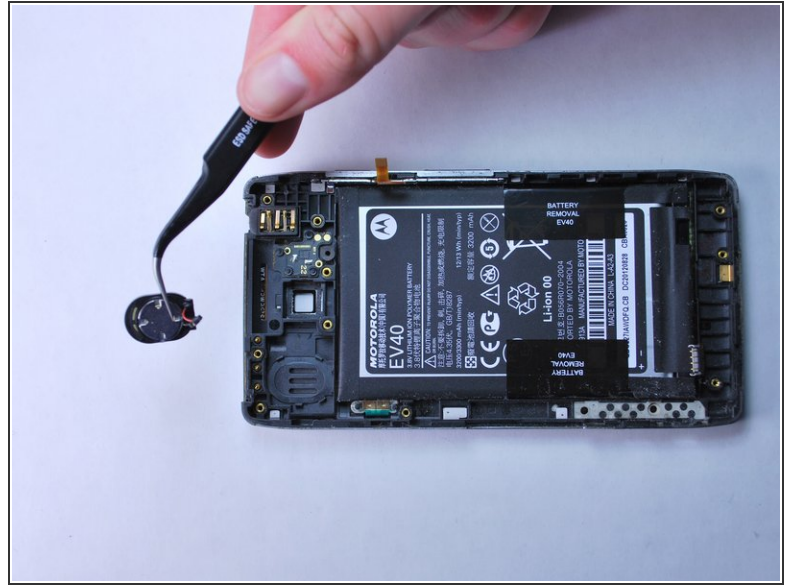
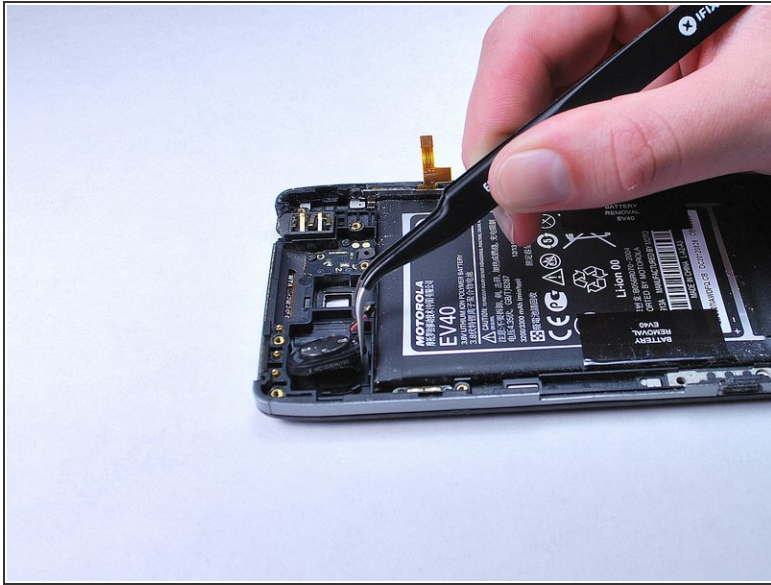
- Release the yellow flex cable on the right side of the phone using the spudger by lifting up on the retaining clip.

## Step 11



- Wedge the spudger between the motherboard and the back case.
- Work your way around the entire edge of the motherboard to release it and remove it from the back of the phone.

## Step 12 — External Speaker



- Use tweezers to remove the speaker from the top left of the phone by pulling upward.

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