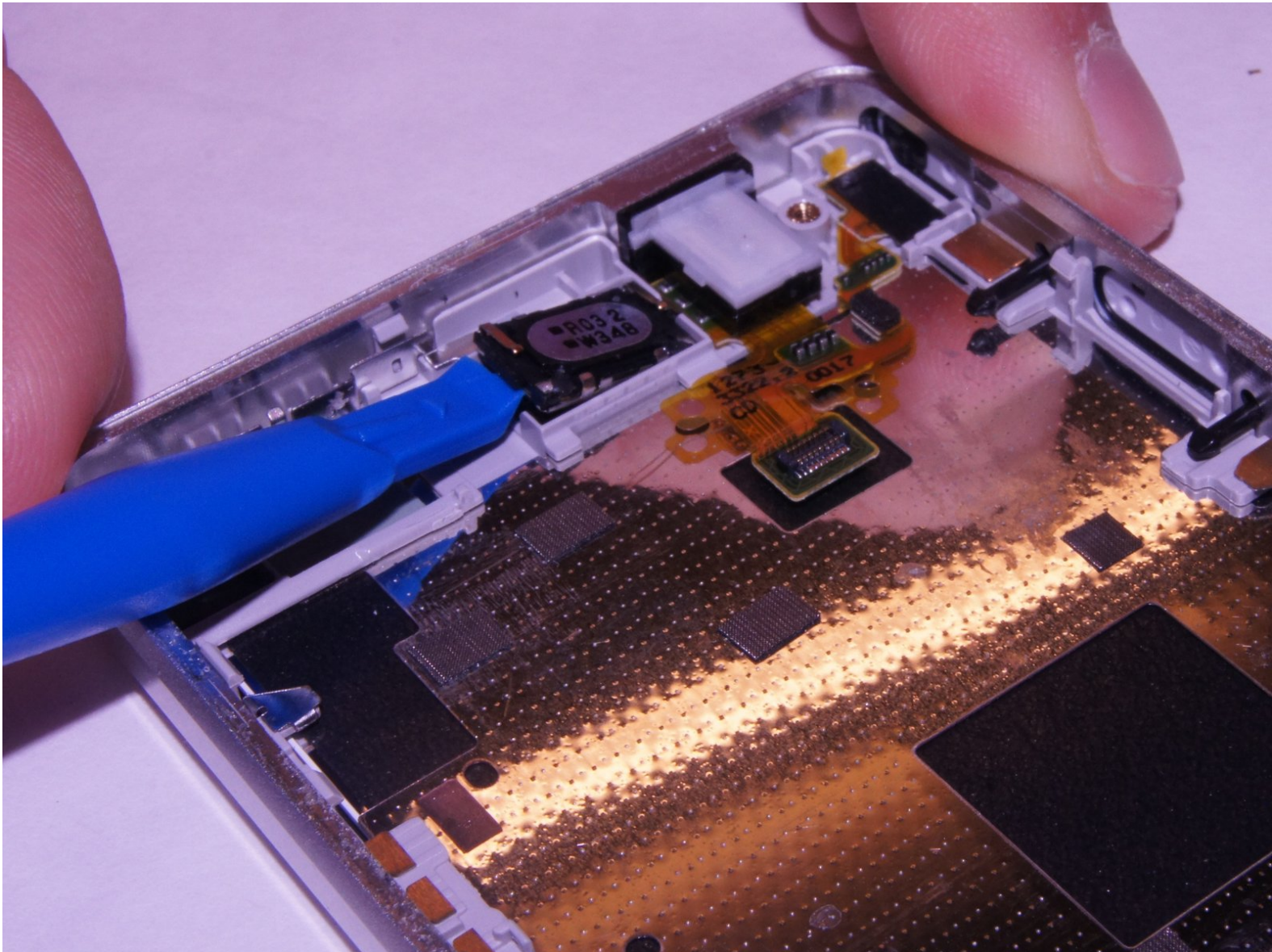




# Sony Xperia Z1 Compact Earpiece Speaker Replacement

This guide will show you how to replace the earpiece speaker that no longer works.

Written By: Frani Morris



# INTRODUCTION

This guide will show you how to replace the earpiece speaker that no longer works.



## TOOLS:

- [Suction Handle](#) (1)
- [Heat Gun](#) (1)
- [iFixit Opening Tools](#) (1)
- [JIS #00 Screwdriver](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [Spudger](#) (1)
- [Safe Open Pry Tool Spudger](#) (1)



## PARTS:

- [Sony Xperia Z1 Compact Earpiece Speaker](#) (1)

## Step 1 — Back Cover



- Heat along the edges of the back cover using a heat gun to soften the glue.

## Step 2



- Attach the small suction cup to the back cover near the bottom of the phone.
- Pull up on the suction cup and insert the plastic opening tool in between the back cover and the rest of the phone.



### Step 3



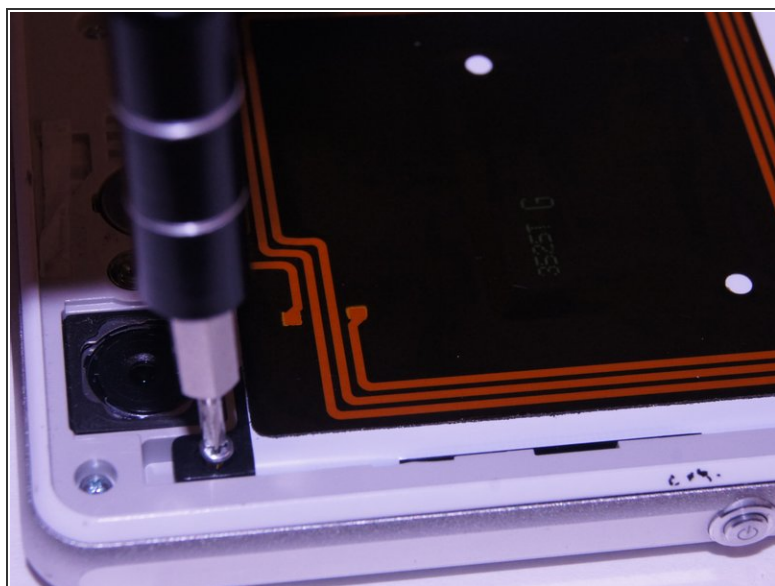
- Move the spudger around the edge of the back cover to separate it from the black adhesive.
- ⓘ Separating the back cover from the rest of the phone ruins the adhesive which makes it no longer waterproof.

### Step 4 — Battery



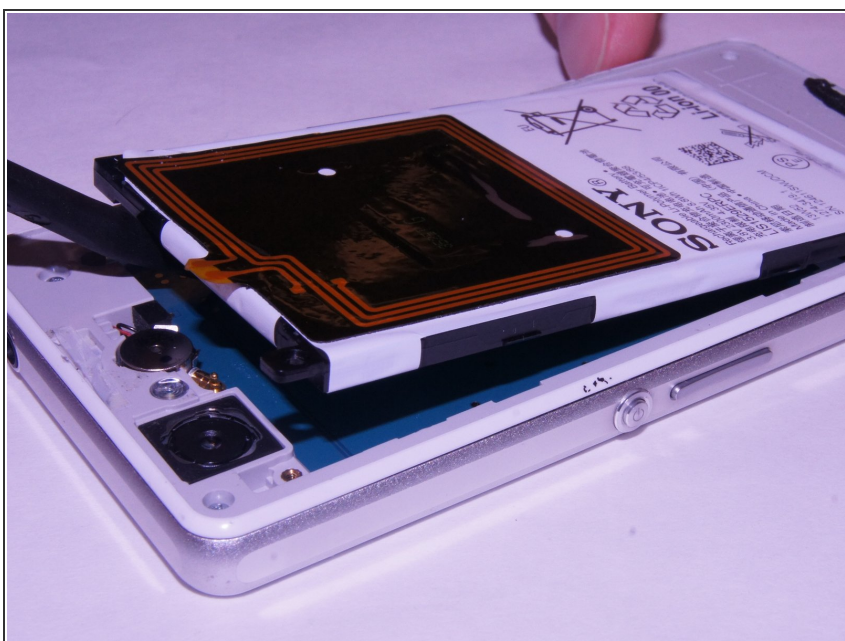
- Carefully disconnect the battery from the logic board by using the plastic spudger as a lever.

## Step 5



- Remove the single 1 x 3.0 mm screw holding the battery in using the JIS #00 screwdriver.

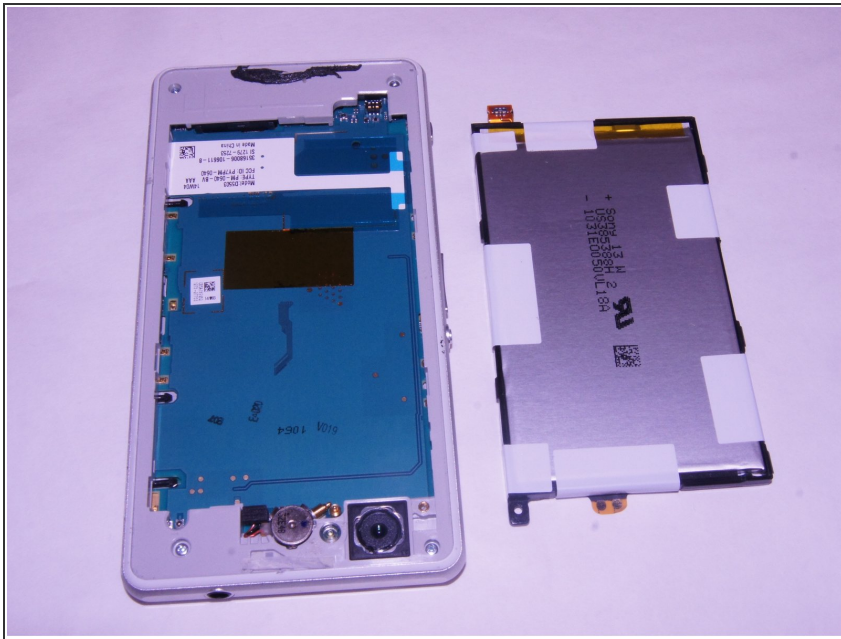
## Step 6



- Pry the battery up from the ends using the plastic spudger until the battery pops out of the enclosure.

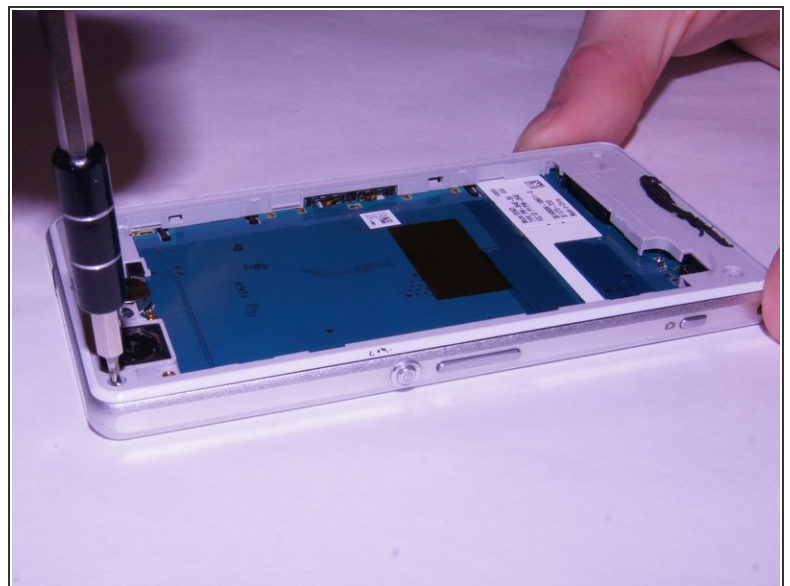
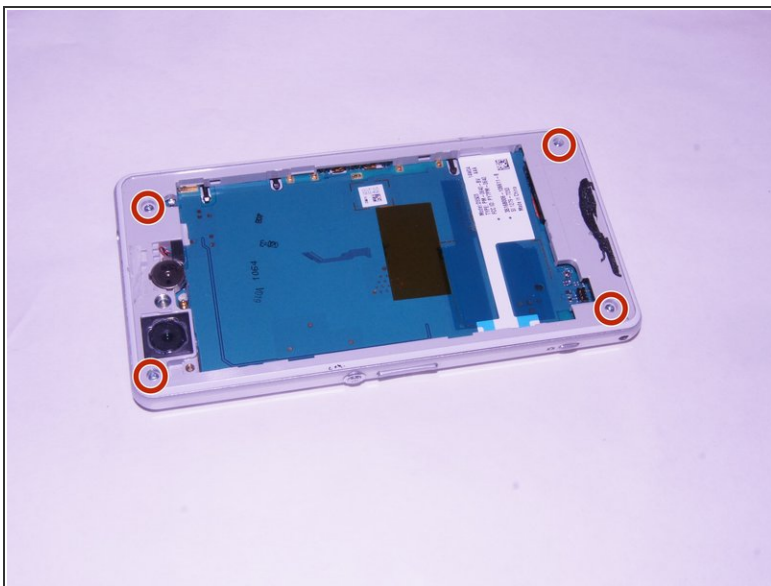


## Step 7



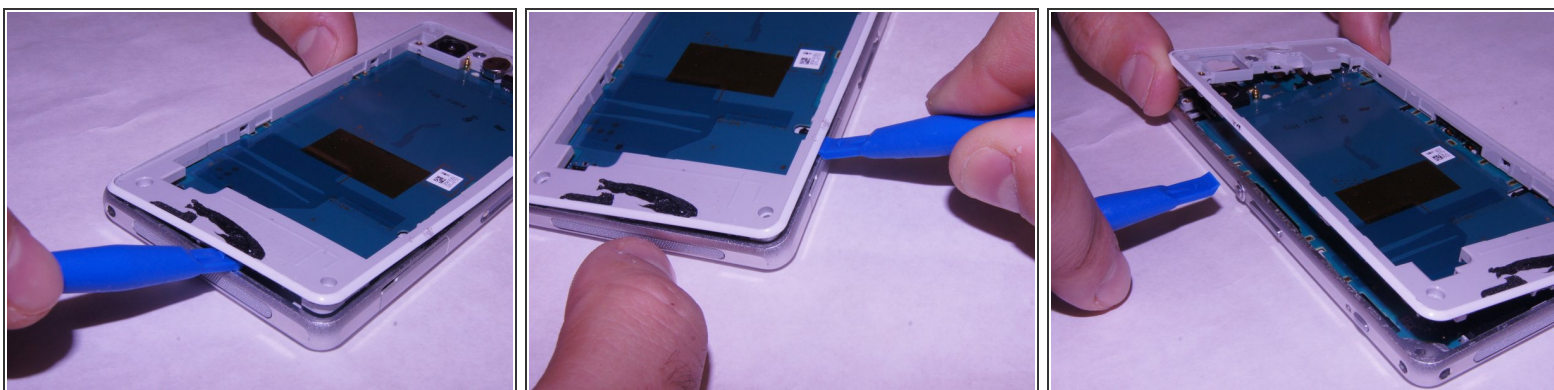
- Remove the battery from the device

## Step 8 — External Speaker



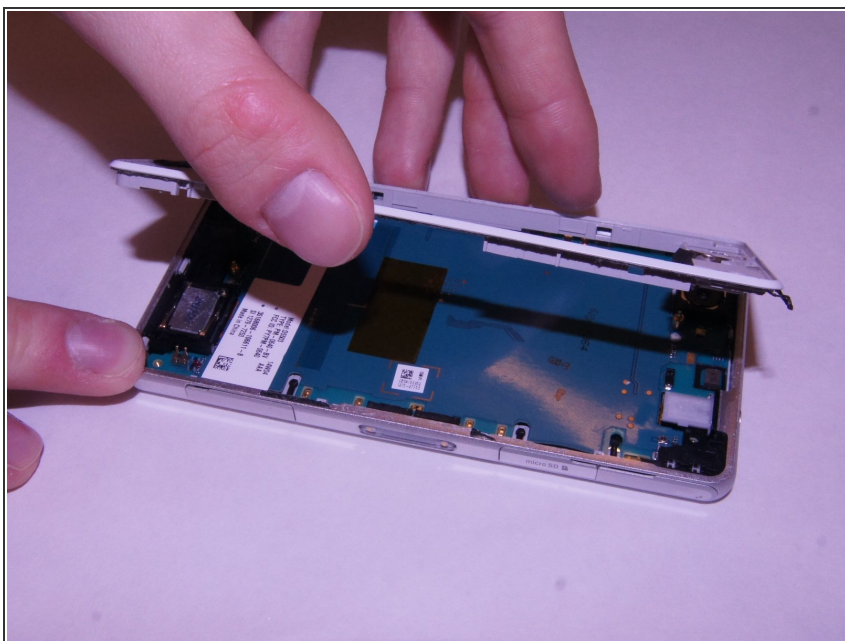
- Unscrew the four screws on the corners of the back frame using the JIS #00 screwdriver.

## Step 9



- Wedge the plastic opening tool under the back frame. Move the plastic opening tool around the entire frame to separate it from the adhesive.

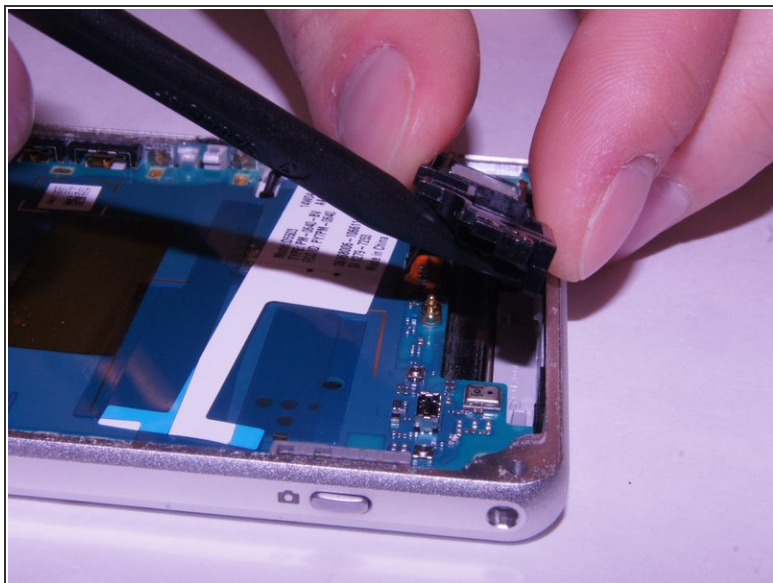
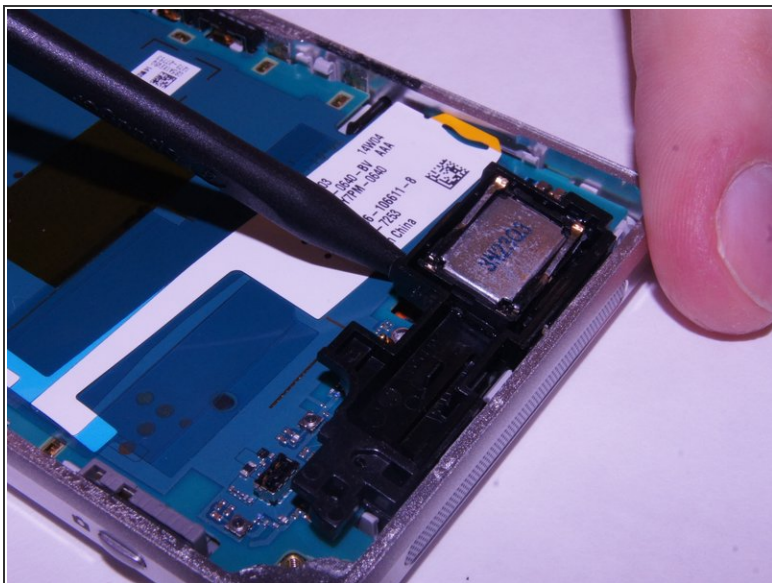
## Step 10



- Remove the back frame.

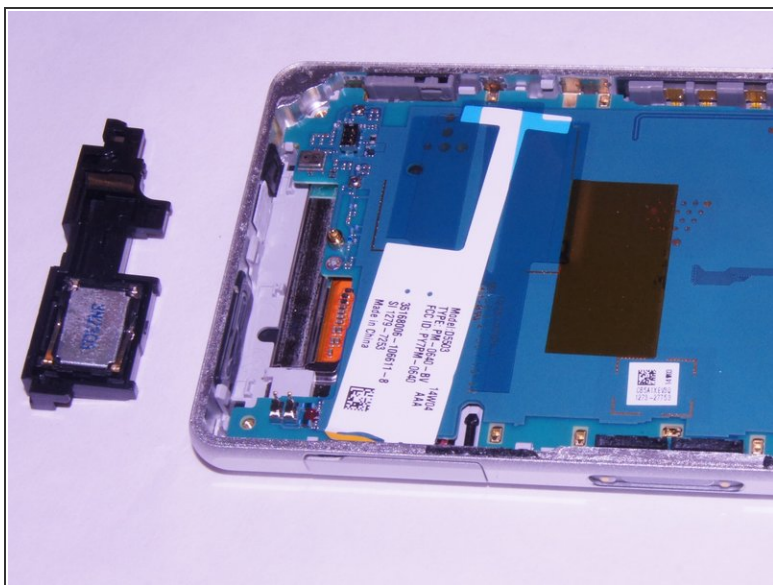
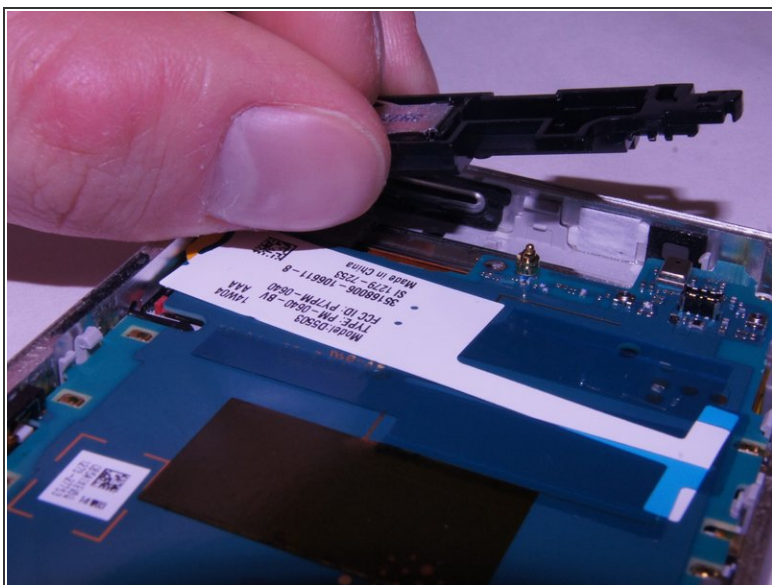


## Step 11



- Wedge the spudger underneath the external speaker. Pull up on the external speaker using the spudger.

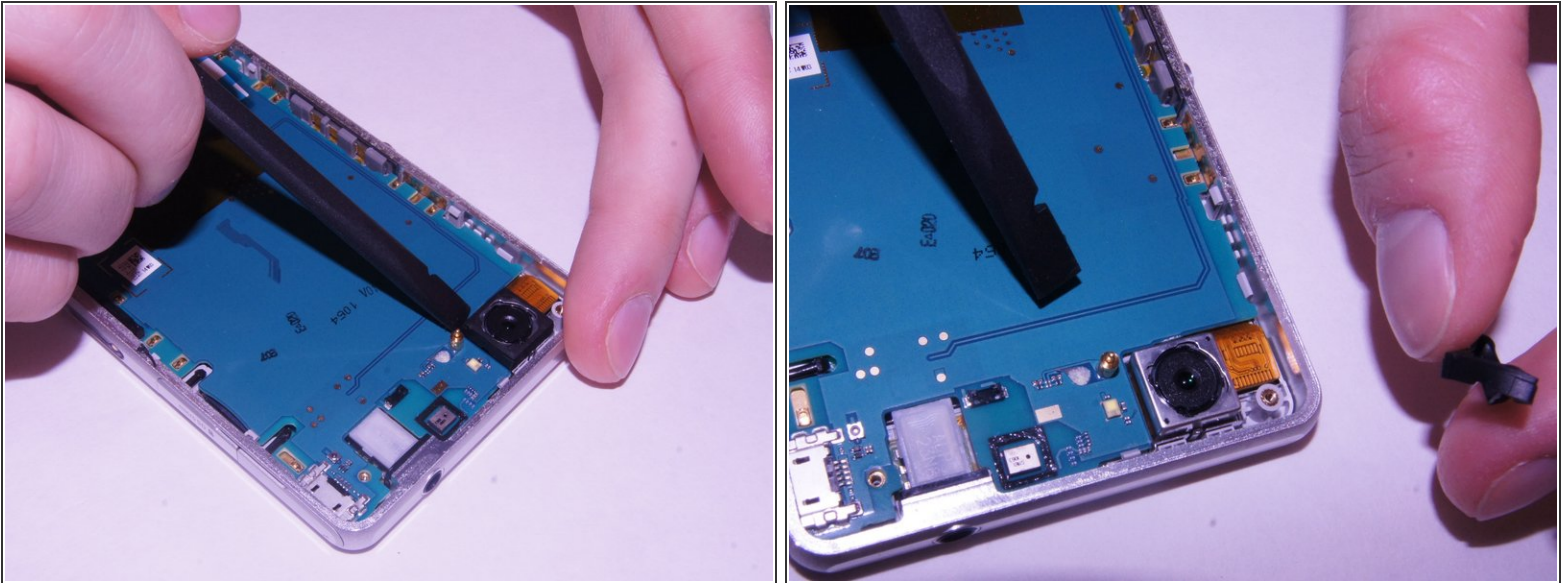
## Step 12



- Remove the external speaker.

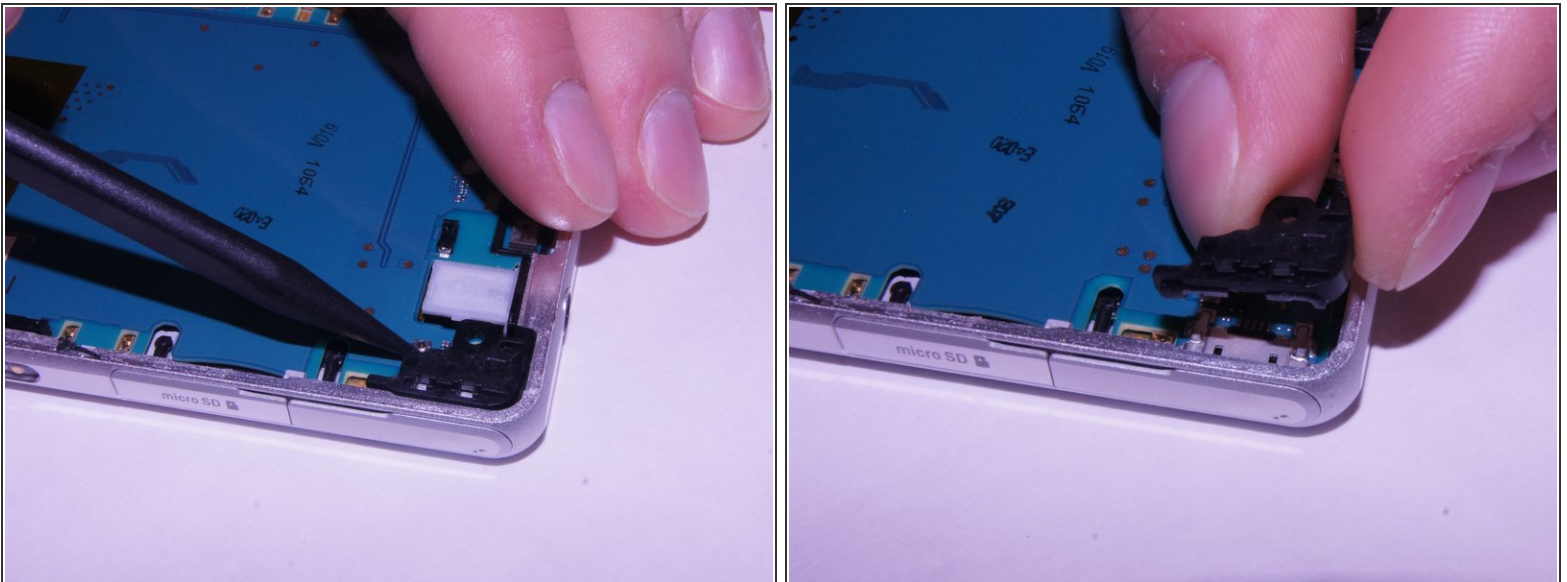


## Step 13 — Motherboard



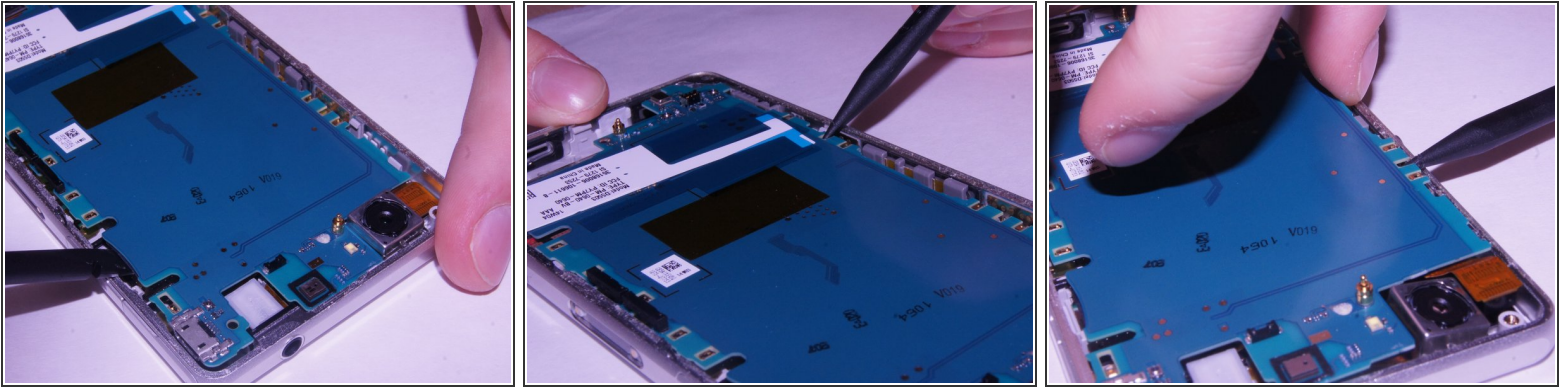
- Remove the square rubber gasket from the camera using the plastic spudger.

## Step 14



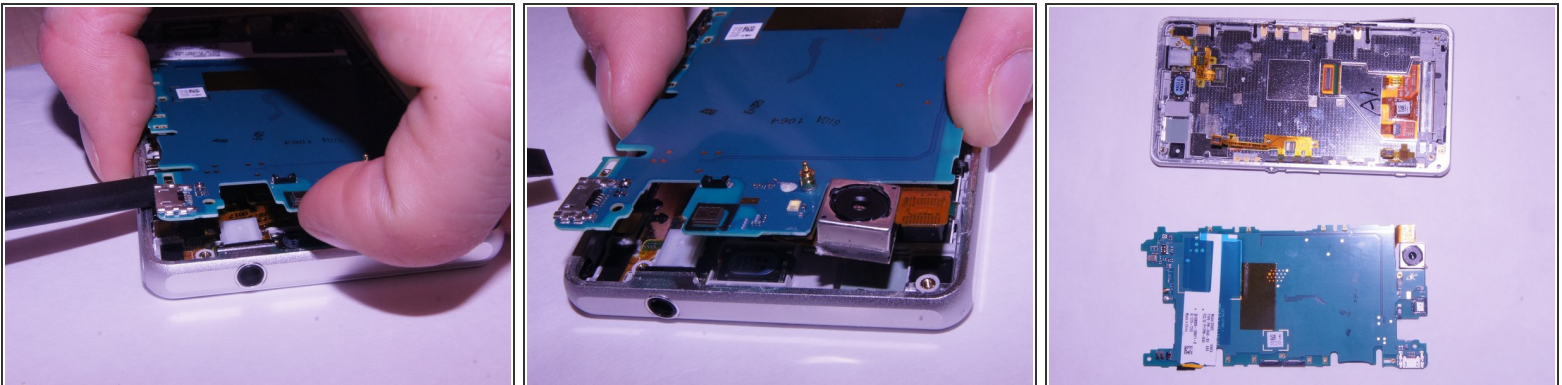
- Remove the black plastic corner still holding in the motherboard.

## Step 15



- Carefully pry up on the four sides of the motherboard using the plastic spudger til it separates from the base of the phone.

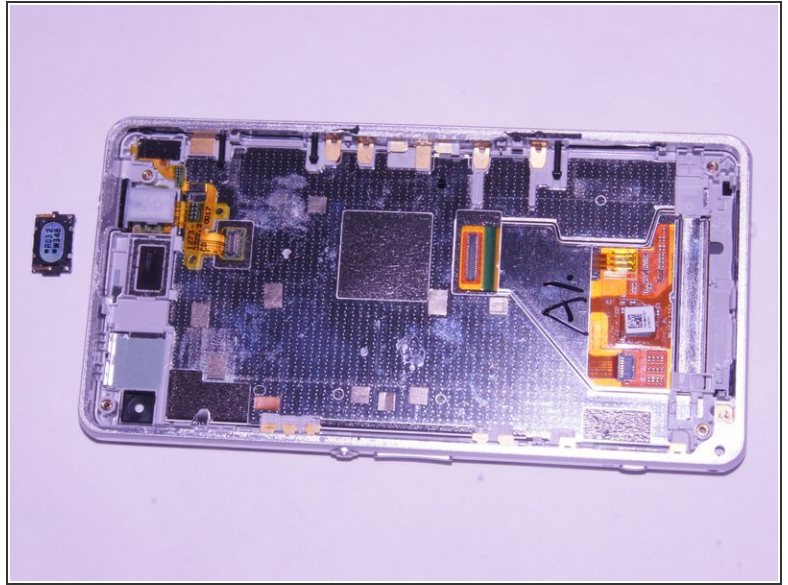
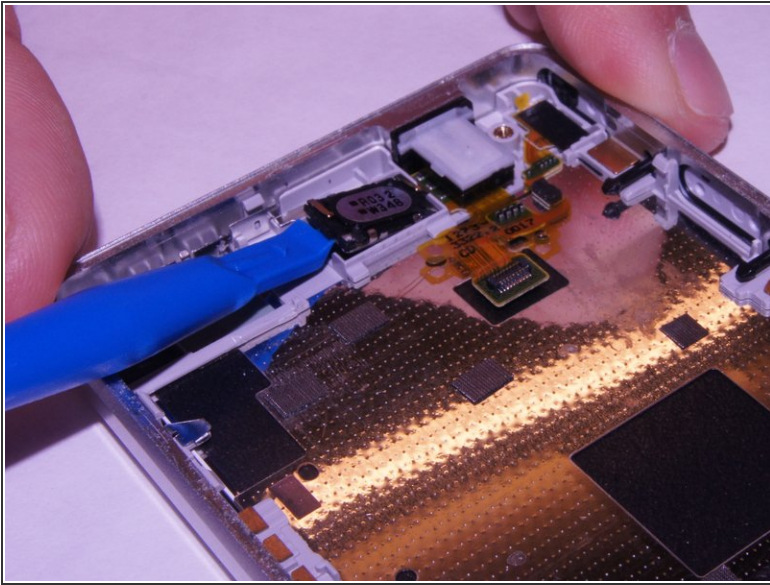
## Step 16



- Remove the motherboard from the device.
- i** There may be a small yellow adhesive underneath the motherboard still holding it in. Slide the tip of the spudger through it to sever it.



## Step 17 — Earpiece Speaker



- Pry up on the earpiece from the left side to remove it.

**i** There is a strong adhesive below the ear piece.

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