



# Motorola MC5590 Speaker Replacement

This guide will help the user break down the Motorola MC5590 in order to replace the internal speaker.

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## INTRODUCTION

The speaker is a vital component of your Motorola MC5590. It signifies a successful scan, and you may feel lost without it. But do not worry, because we can show you how to replace a faulty speaker!

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### TOOLS:

- [Phillips #0 Screwdriver](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
  - [Phillips #000 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
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## Step 1 — Battery



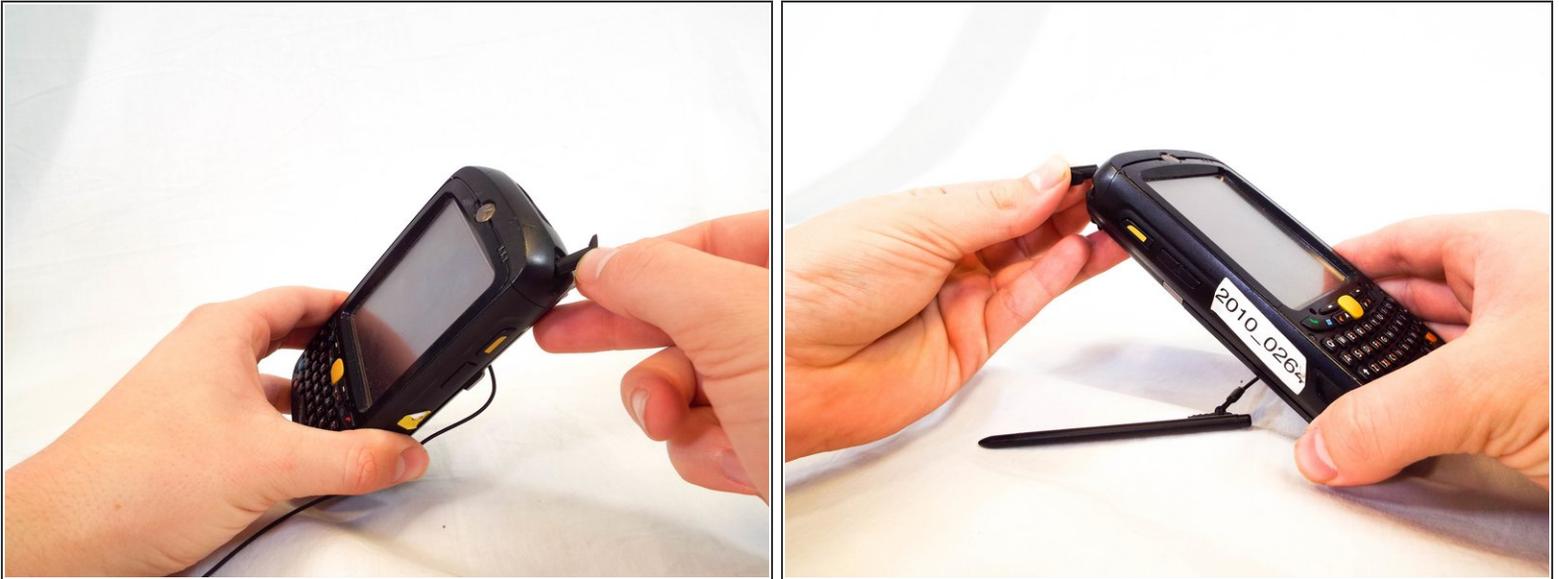
- Push in the battery release button.

## Step 2



- Pull out battery.

### Step 3 — Keyboard



- Remove the two rubber plugs on the top of the device by pushing them up and out of the phone.

### Step 4



- Remove the four 1cm Phillips #0 screws from the top and bottom of the phone.

## Step 5



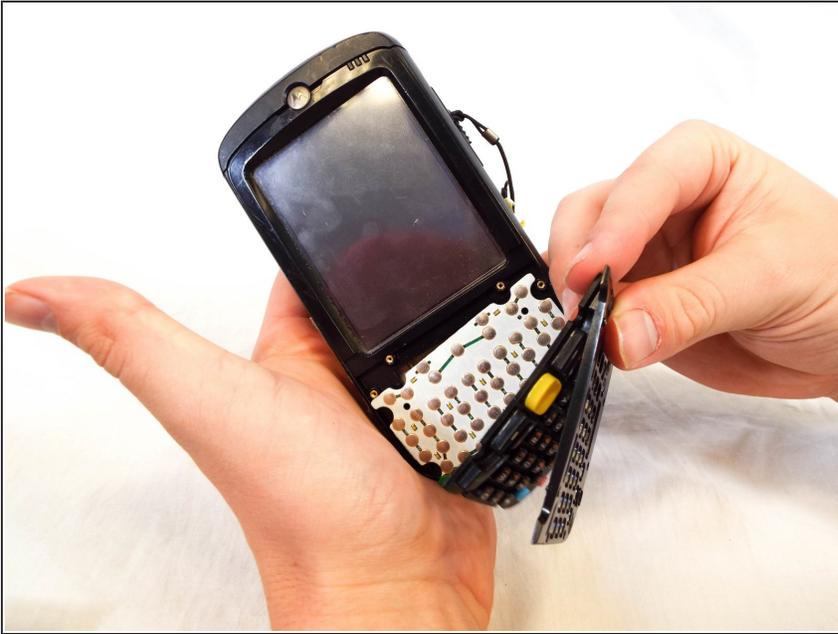
- Use a plastic opening tool to remove the keyboard cover by prying up on its perimeter.

## Step 6



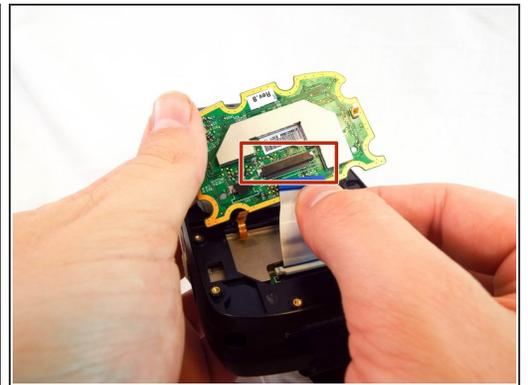
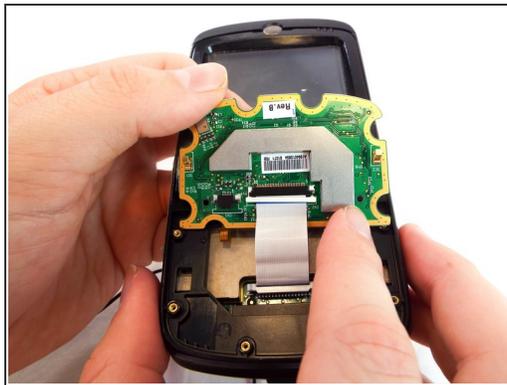
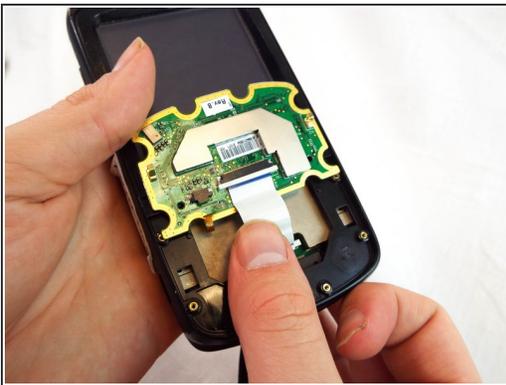
- Remove the eight 4mm Phillips #00 screws from the keyboard cover.

## Step 7



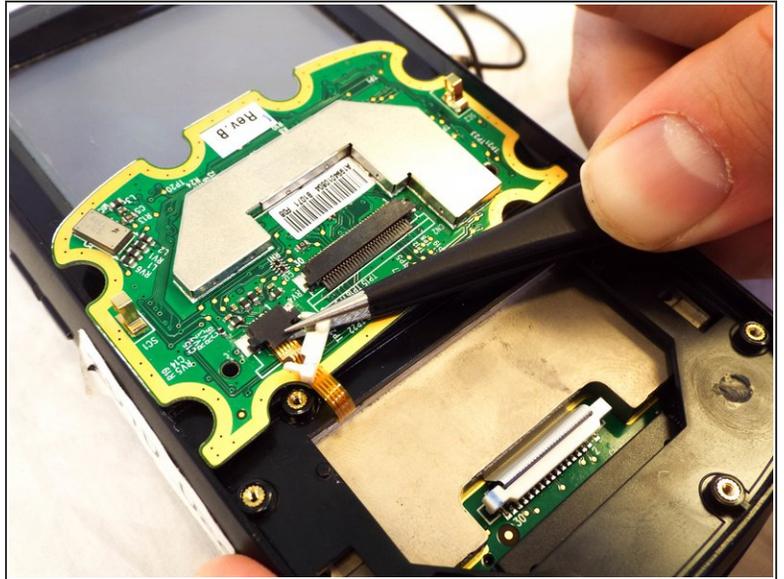
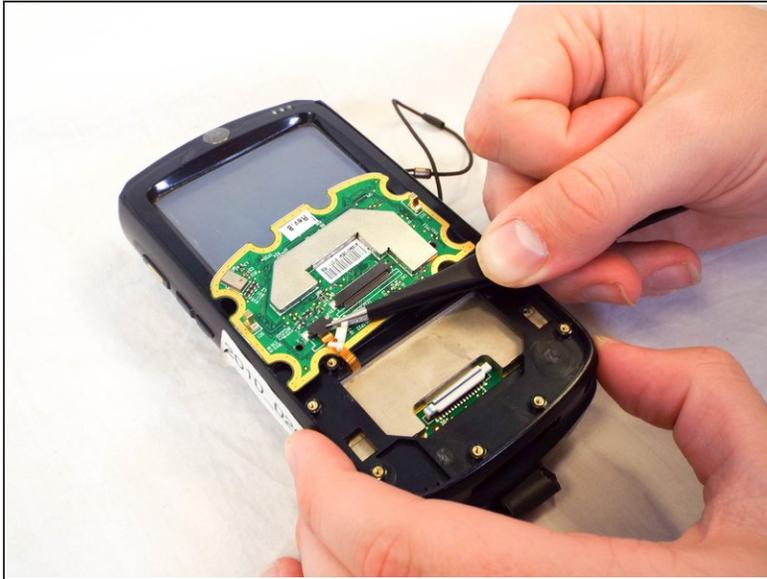
- Remove the keyboard cover.

## Step 8



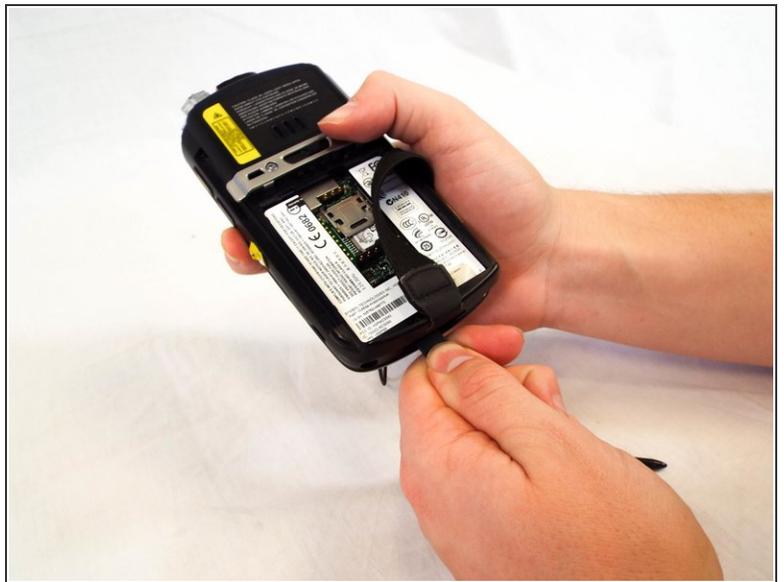
- Use a spudger to flip up the retaining flap on the keyboard ribbon cable [ZIF](#) socket.
- Pull the ribbon cable out of the socket.

## Step 9



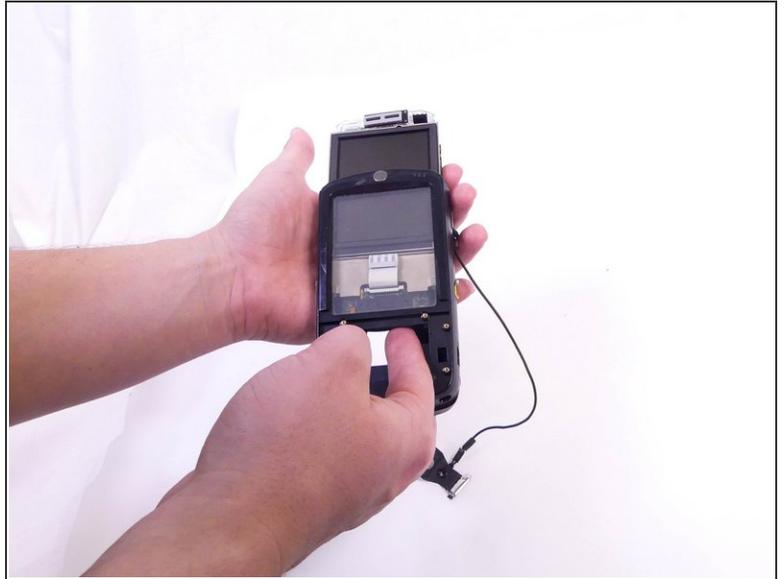
- Use a spudger to flip up the retaining flap on the display ribbon cable [ZIF](#) socket.
- Remove the keyboard from the device.

## Step 10 — Speaker



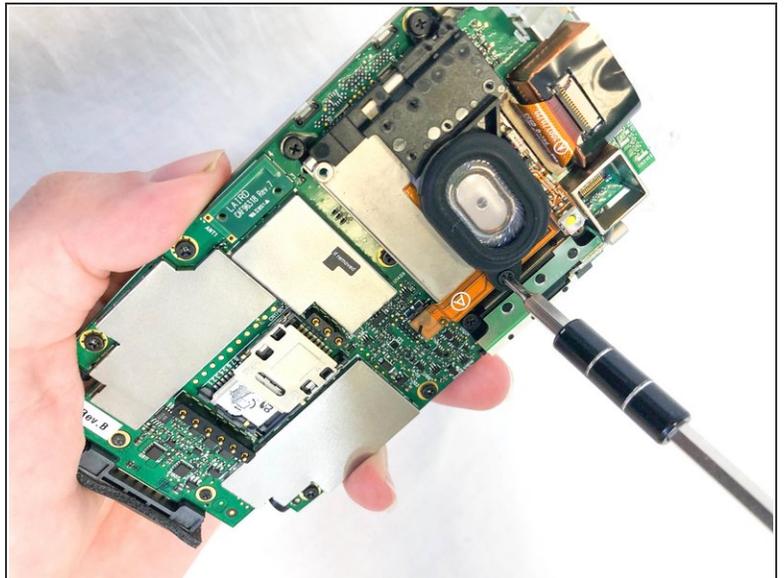
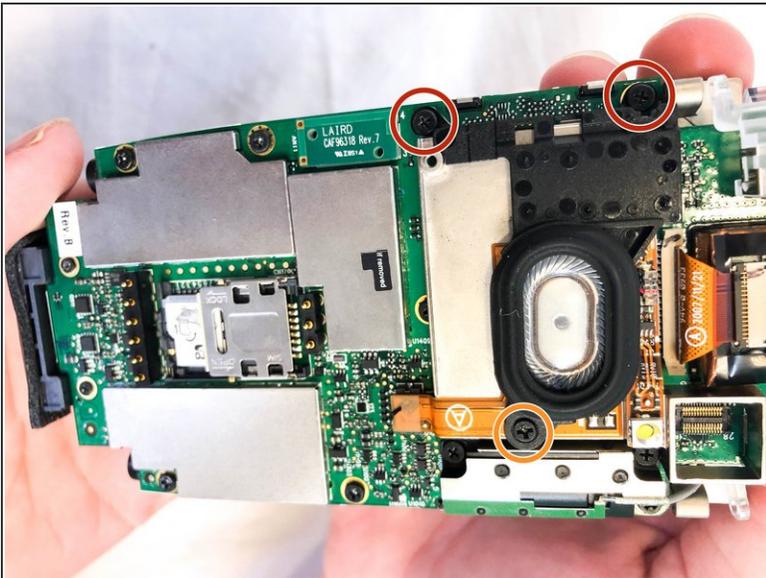
- Pull the black rubber tabs up gently and remove them.

## Step 11



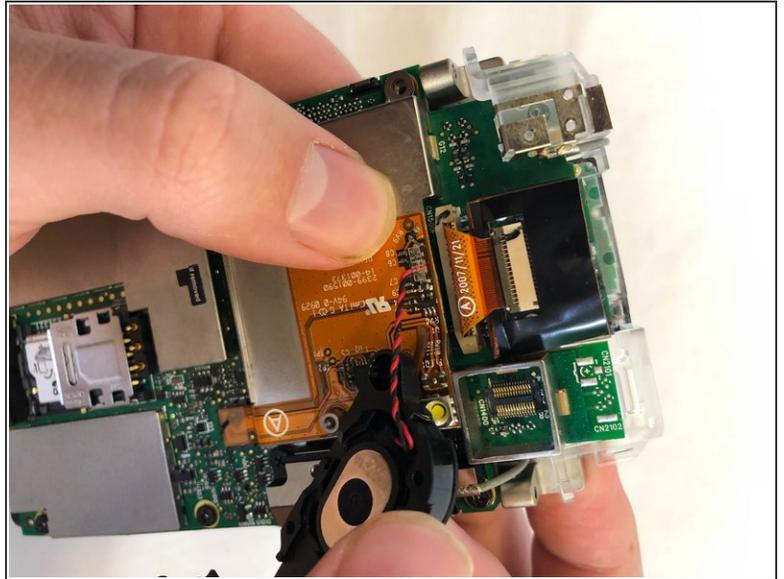
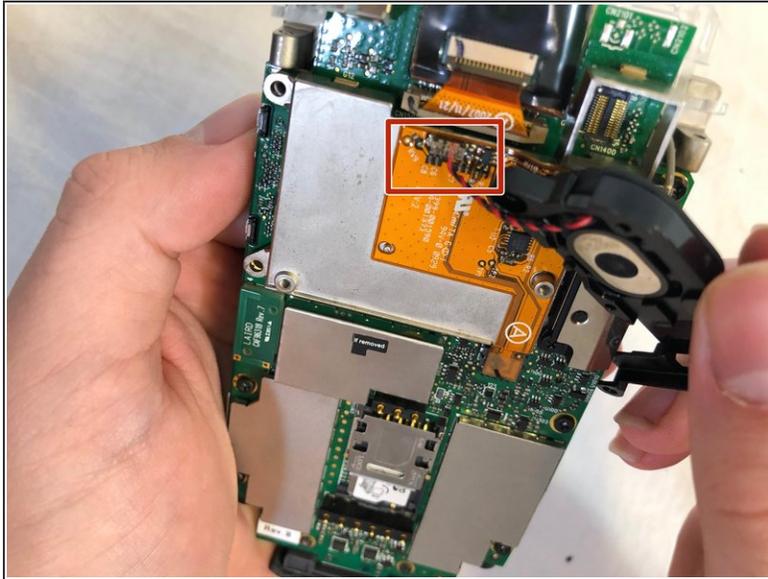
- Using your finger, or spudger, push the motherboard out from the bottom.

## Step 12



- Remove the three Phillips #00 screws from the motherboard:
  - Two 3mm screws.
  - One 1mm screw.

## Step 13



- Disconnect the speaker from the motherboard.

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