



# iPhone 4 Speaker Enclosure Assembly Replacement

Prereq with logic board still in.

Written By: Walter Galan



## INTRODUCTION

Prereq with logic board still in.

### TOOLS:

- [Phillips #000 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)

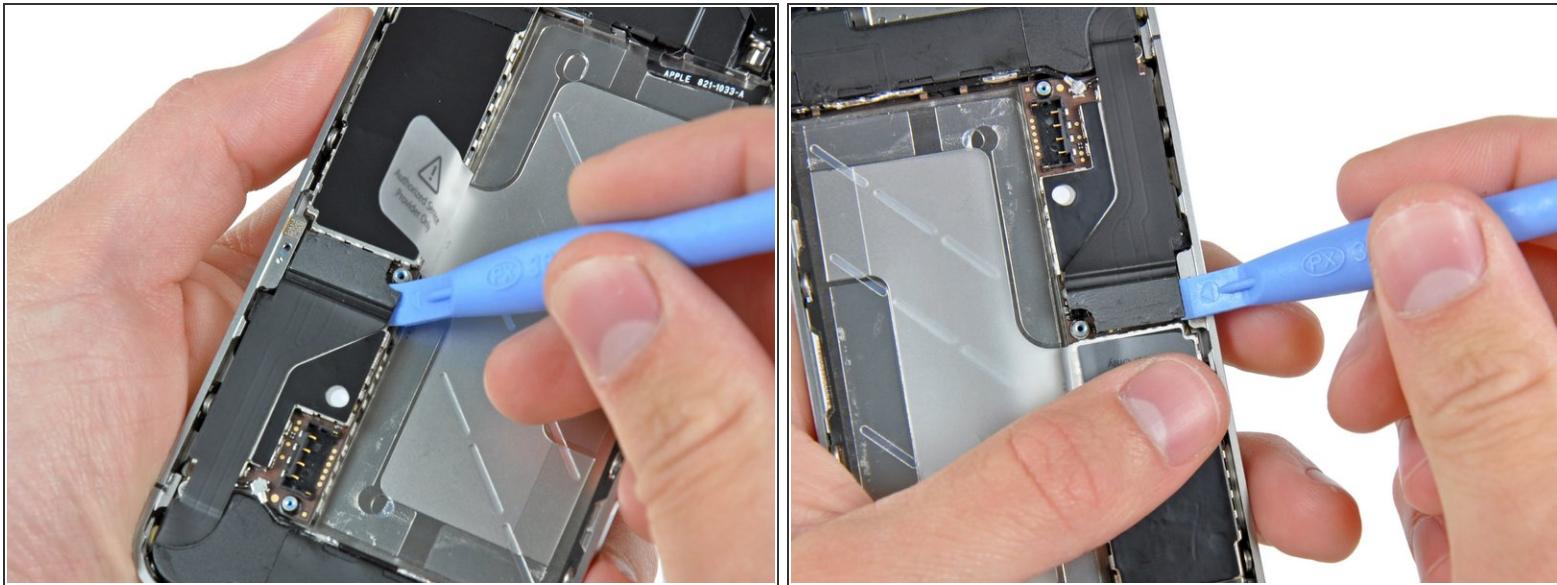
## Step 1 — Speaker Enclosure Assembly



- Remove the following two screws:
  - One 1.2 mm Phillips
  - One 1.6 mm Phillips
- Remove the thin steel dock connector cable cover from the iPhone.

**!** Before reassembly, be sure to clean all metal-to-metal contact points on the dock connector cable cover with a de-greaser such as windex. The oils on your fingers have the potential to cause wireless interference issues.

## Step 2



- Use a plastic opening tool to gently pry the dock cable connector up off the logic board from both short ends of the connector.

## Step 3



- Carefully peel the dock ribbon cable off the logic board and the lower speaker enclosure.

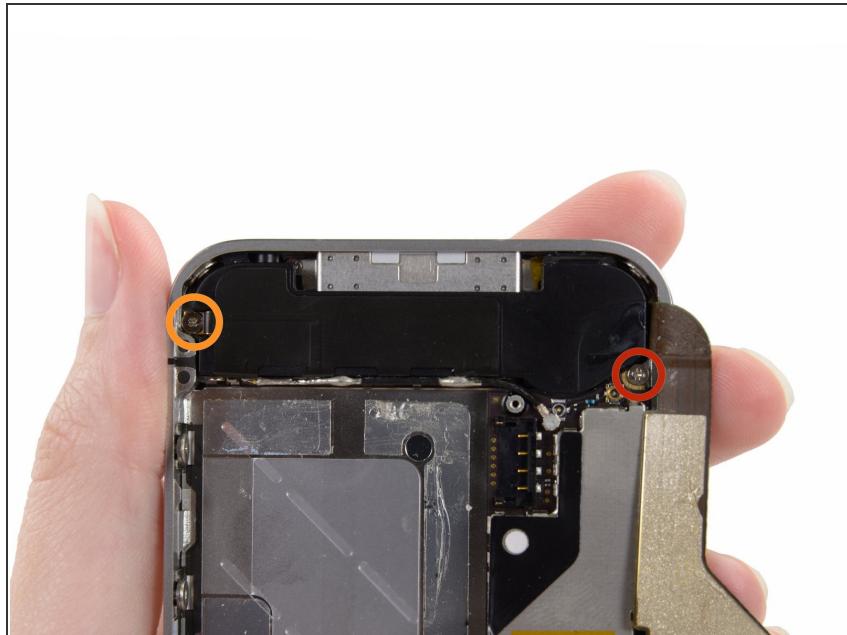
**⚠** Do not use excessive force to peel the dock ribbon cable off the logic board. Doing so may tear the cable.

## Step 4



- Use a plastic opening tool to pry the lower antenna connector up off its socket on the logic board.

## Step 5



- Remove the following screws securing the speaker enclosure assembly to the outer case:
  - One 1.9 mm Phillips screw
  - One 2.4 mm Phillips screw

## Step 6



- Use a plastic opening tool to lift the speaker enclosure assembly out of the case, being sure not to damage the EMI fingers on the attached Wi-Fi antenna.
- Remove the speaker enclosure assembly.

**★** Before reinstalling the speaker enclosure assembly's screws, be sure the Wi-Fi grounding fingers are installed below the lip in the iPhone's metal case as seen in the third picture.

**⚠** Before reassembly, be sure to clean all metal-to-metal contact points between the grounding fingers of the Wi-Fi antenna and the case of the iPhone with a de-greaser such as windex or isopropyl alcohol. The oils on your fingers have the potential to cause wireless interference issues.

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