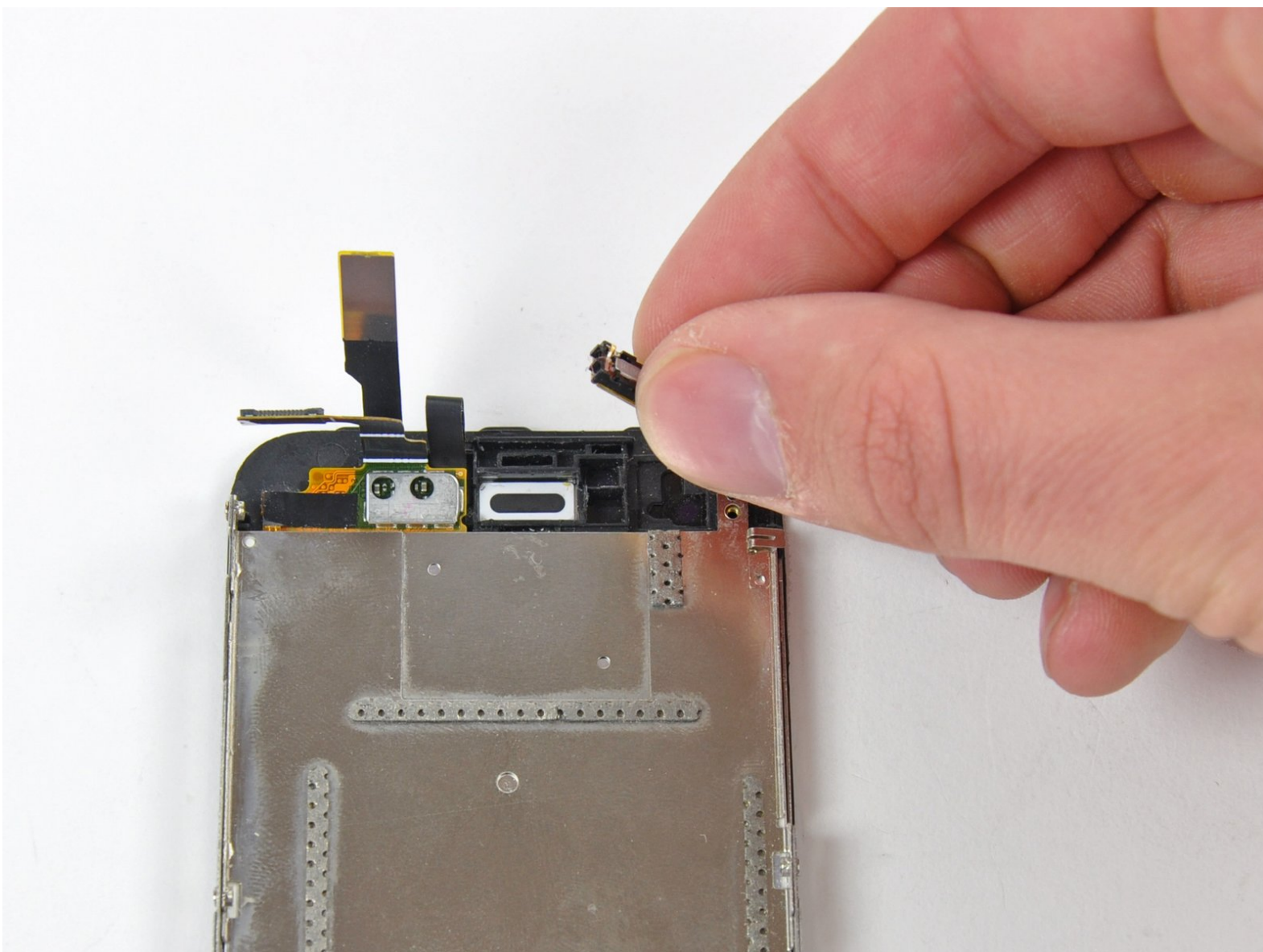




iPhone 3GS Earpiece Speaker Replacement

Replace your iPhone 3GS's earpiece speaker.

Written By: Jake Devincenzi



INTRODUCTION

Has your ear speaker stopped working? Follow this guide to install a new one.



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
 - [Suction Handle](#) (1)
 - [Spudger](#) (1)
-

Step 1 — Broken Glass



- If your display glass is cracked, keep further breakage contained and prevent bodily harm during your repair by taping the glass.
- Lay overlapping strips of clear packing tape over the iPhone's display until the whole face is covered.
 - ⓘ This will keep glass shards contained and provide structural integrity when prying and lifting the display.

⚠ Wear safety glasses to protect your eyes from any glass shaken free during the repair.

Step 2 — Display Assembly



- Remove the two Phillips #00 screws from the dock-connector end of the iPhone.

Step 3



- Remove the metal handle from the suction cup. It's easier and safer to grip the suction cup's base instead of the metal handle.
- ⚠ Be very careful when opening the iPhone so that the cables under the display are not severed.
- ⓘ There is a rubber gasket between the silver front bezel and black display assembly. A bit of force is required in this step to separate the iPhone's display assembly.
- Use a small suction cup near the Home button to gently pull up the bottom portion of the iPhone's display assembly.
- ⓘ If the display assembly is too damaged to allow the suction cup to adhere, tape with a strong adhesive such as duct tape may be used.

Step 4



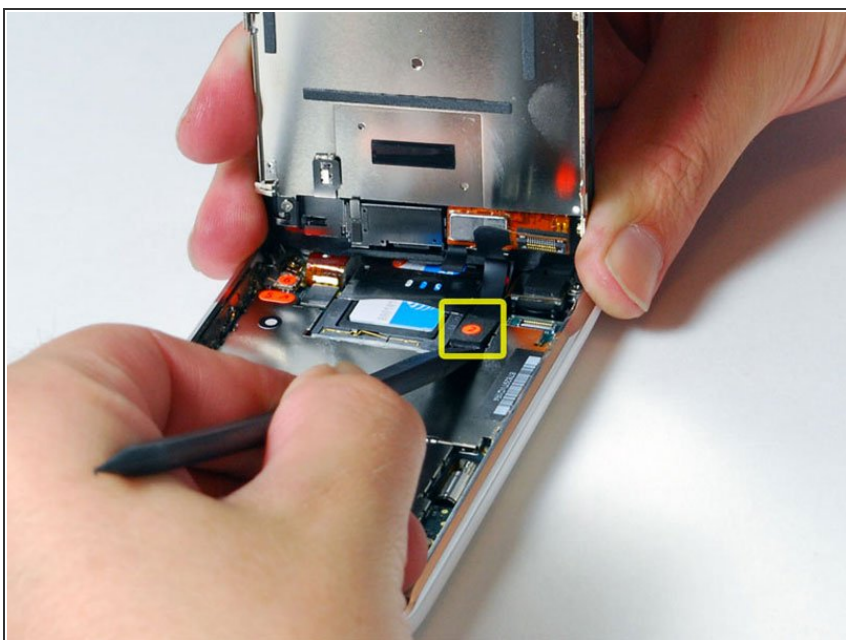
- ⓘ The display assembly is still connected to the iPhone by several cables, so don't try to remove it entirely just yet.
- Rotate the display assembly up until it is at an angle of approximately 45 degrees.

Step 5



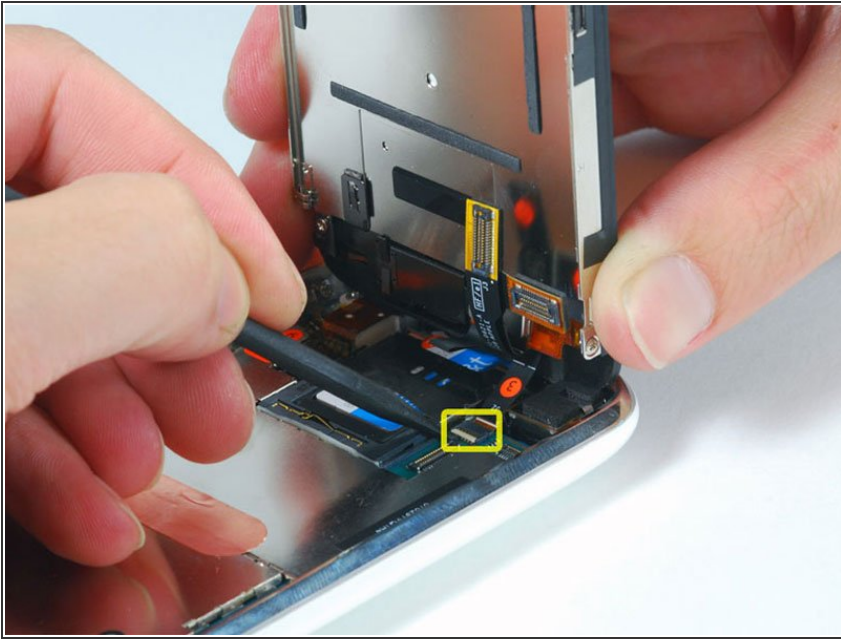
- Continue to hold the display assembly with one hand, and use your other hand and a spudger to disconnect the black ribbon cable labeled "1."

Step 6



- Rotate the display assembly up until it is roughly vertical. This will allow easier access for disconnecting the remaining cables.
- Use a spudger to disconnect the black ribbon cable labeled "2."

Step 7



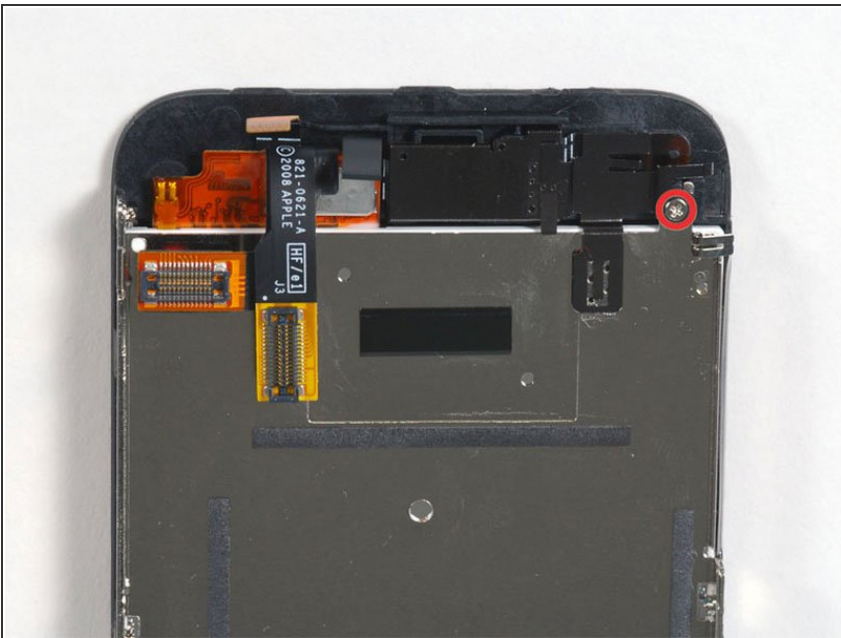
- Use a spudger to flip up the black plastic tab holding the remaining ribbon cable in place. The black will rotate up 90 degrees, releasing the ribbon cable.

⚠ The tab is very fragile, so be careful when flipping it up to unlock the cable and down to lock the cable.

ⓘ The plastic tab may be white (instead of black) on some iPhone models.

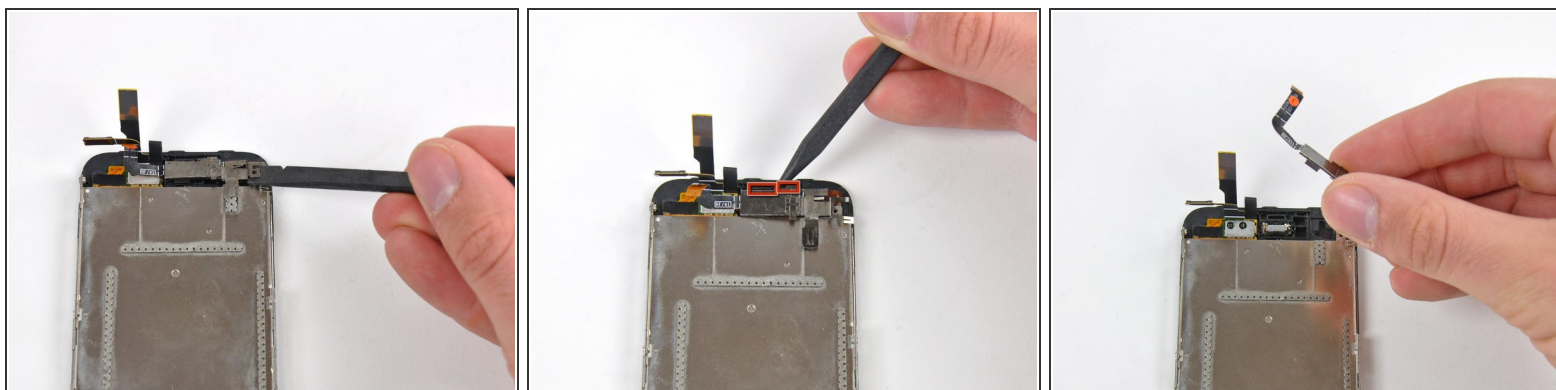
- Slide the ribbon cable out of its connector, and remove the display assembly from the iPhone.


Step 8 — Earpiece Speaker



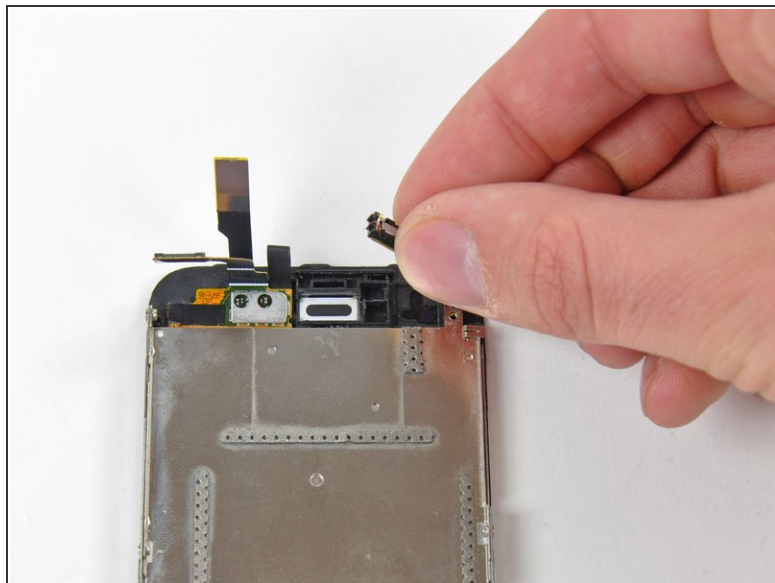
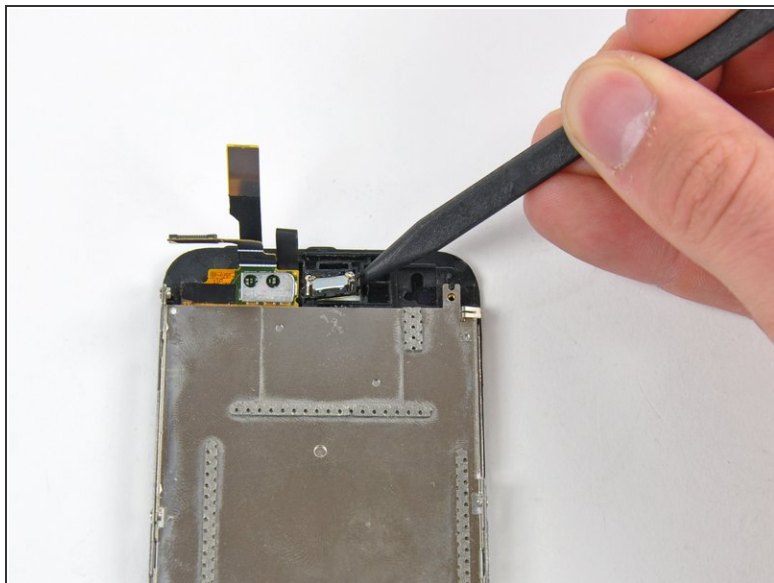
- Remove the single Phillips #00 screw from the corner of the display assembly.

Step 9



- Use the flat end of a spudger to pry up the right side of the ear speaker cover assembly.
 Do not try to pry the assembly all the way off, as it is still connected at two points.
- Turn the spudger around and use the pointed side to detach the two clips securing the top of the assembly.
- Once the clips are detached, lift the cover assembly up from the device.

Step 10



- Slide the pointed end of the spudger into the slot under the upper right corner of the ear speaker and gently pry upwards.
 - ⚠ Be careful during this step, as the upper portion of the speaker can easily detach from the lower portion, causing the coil inside to unwind. Be sure to pry the entire assembly up.
- Lift the ear speaker up and out of the device.

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