



# Motorola syn1654A Microphone Replacement

This repair guide will walk the user through each step in removing and replacing the microphone on the device.

Written By: John Ware



## INTRODUCTION

Before proceeding with the replacement guide, make sure the headphones are unplugged from any device.

### **TOOLS:**

- [T6 Torx Screwdriver](#) (1)
- [Soldering Iron](#) (1)
- [Flush Wire Cutters](#) (1)

### **PARTS:**

- [Microphone](#) (1)

## Step 1 — Microphone



- Remove star head screw from above base of the microphone with T6 Torx Screwdriver.
- To prevent stripping, use an appropriate bit and ensure screwdriver is oriented perpendicular to the face of the screw.

## Step 2



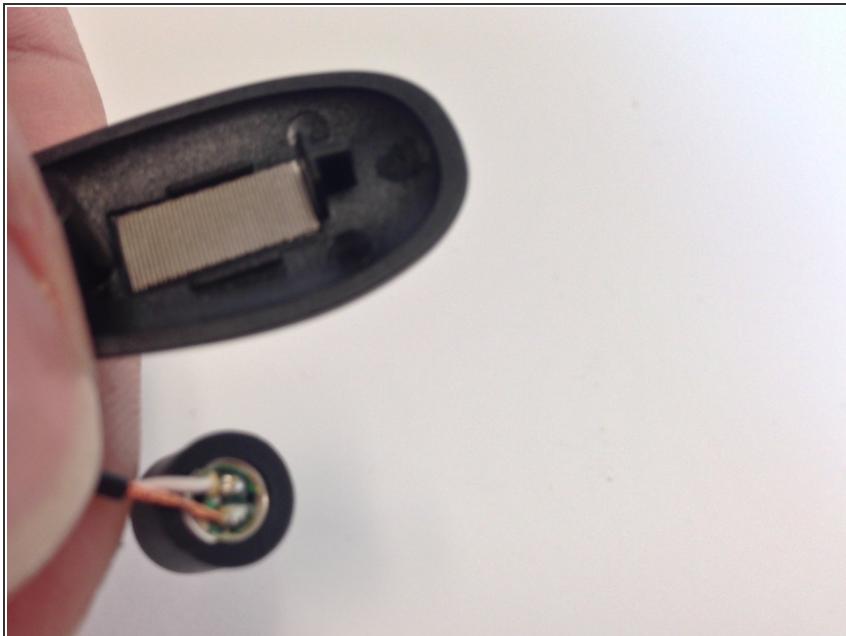
- To expose the next screw, peel foam cover from the base toward the end of microphone.
- Remove screw with screwdriver and place in a safe location.

## Step 3



- With Screws removed, remove the microphone from foam and plastic cover to be inspected.
- If the microphone is corroded or wires are frayed, it must be replaced.

## Step 4



- Clip both wires to remove defective microphone.
- Be sure to clip as close to the base of the microphone as possible in order to have enough wire for the new microphone.
- Align wires with corresponding pads on new microphone and solder in place.
- For soldering, see the Ifixit soldering guide: [How To Solder and Desolder Connections](#)

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