



# How to Replace a Speaker on a Yamaha PSS-130 Keyboard

This guide will take you through the steps of replacing the internal speaker of a Yamaha PSS-130 keyboard.

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## INTRODUCTION

Oh no! Your keyboard is no longer producing a clear sound! Never fear, this guide is here! If your Yamaha PSS-130 is creating a crackly sound or even no sound at all, it may be time to change the speaker.

The speaker uses a magnet to change electrical signals into sound that we can hear. If the speaker fails, the device will no longer produce quality sound.

Before starting this guide, make sure that the problem is not your power source.

If you use batteries, make sure the batteries are charged and seated correctly. If that does not work, try the power cord provided with the device.

If you use the power cord, try using batteries.

If one of those work, Congratulations! You fixed your device! If not, the speaker will need to be replaced.

This 9 step guide will require you to remove the solder from the speaker, replace the speaker and then solder the new speaker.

If you do not already know how to solder [this soldering guide](#) will help to teach you how to do it.

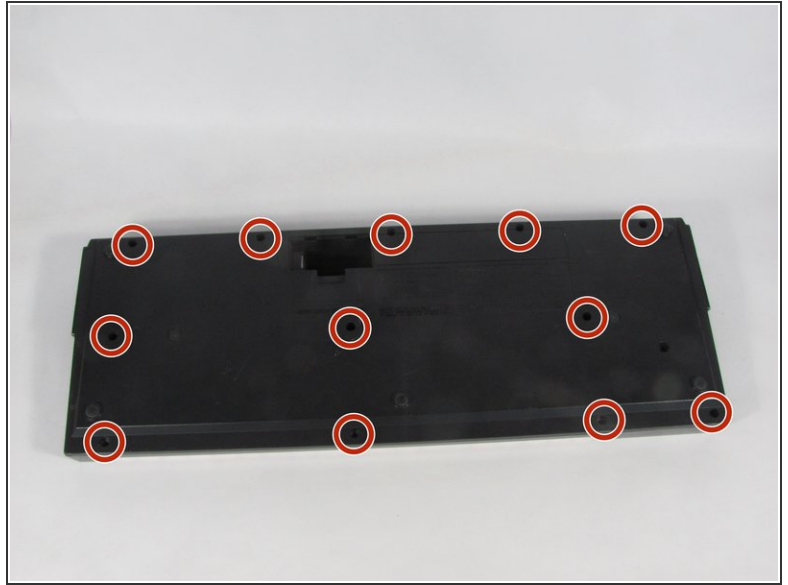
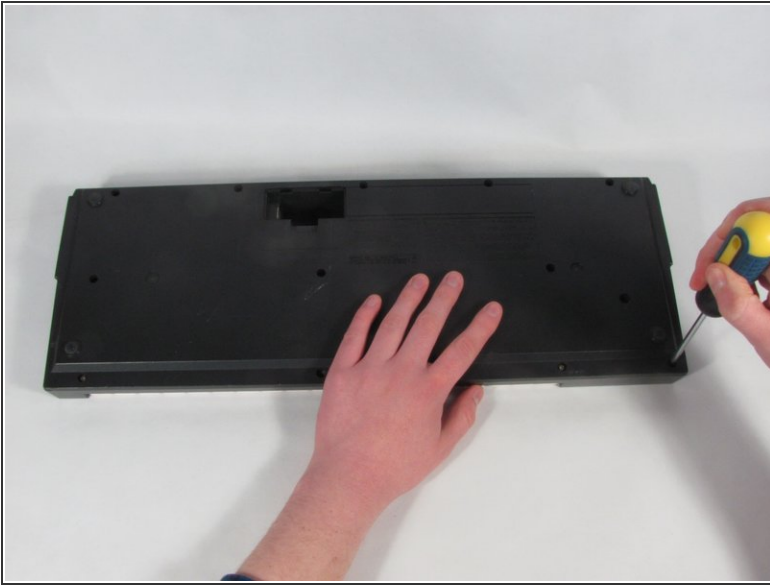
Before beginning this guide, take the batteries out and unplug the keyboard from the wall.

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### TOOLS:

- [Desoldering Braid](#) (1)
  - [Solder](#) (1)
  - [Soldering Iron](#) (1)
  - [11 mm Socket](#) (1)
  - [Socket Wrench](#) (1)
  - [Phillips #1 Screwdriver](#) (1)
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## Step 1 — Internal Speaker



- Remove the battery cover.
- Remove all twelve of the 9.0 mm screws on the back cover of the device's casing using a Phillips #1 screwdriver.

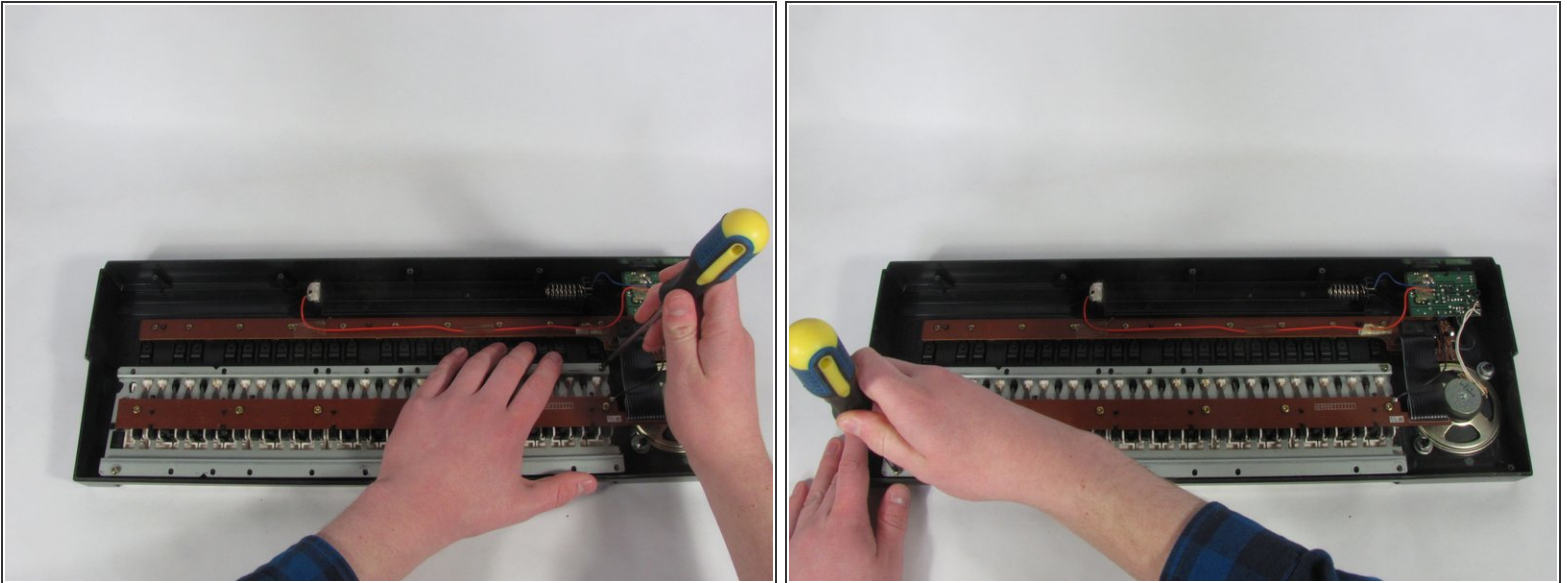
## Step 2



- Place your fingers in the battery compartment, and place your thumb on the back of the keyboard.
- Grip inside battery cover and push on the back of the keyboard with your thumb.

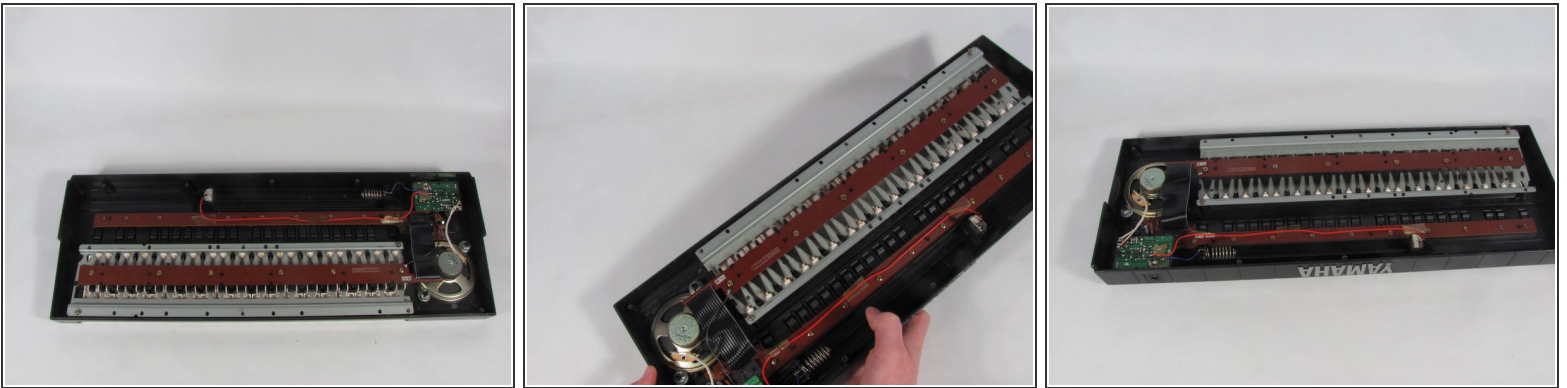


### Step 3



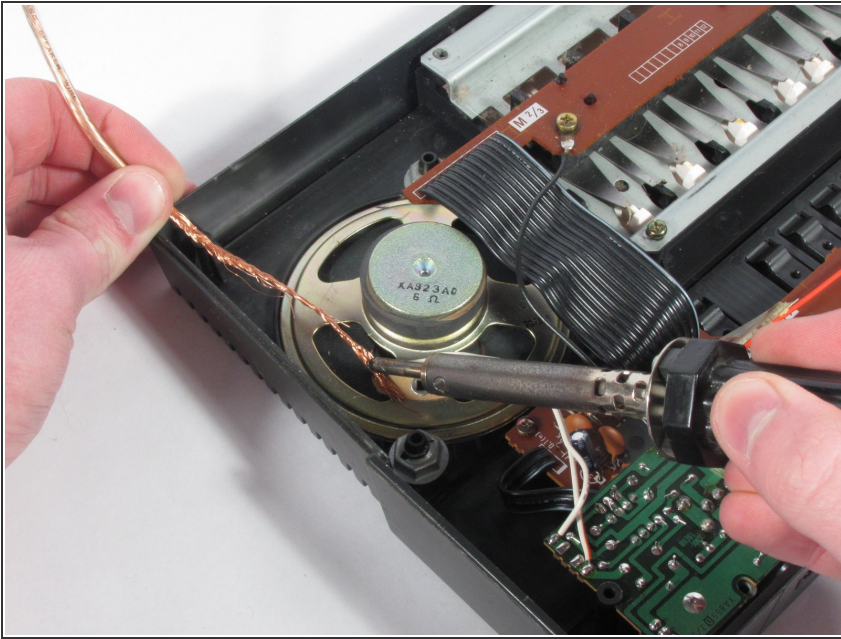
- Replace two 9.0 mm Phillips screws to keep the keys from falling out while working on this device.

### Step 4



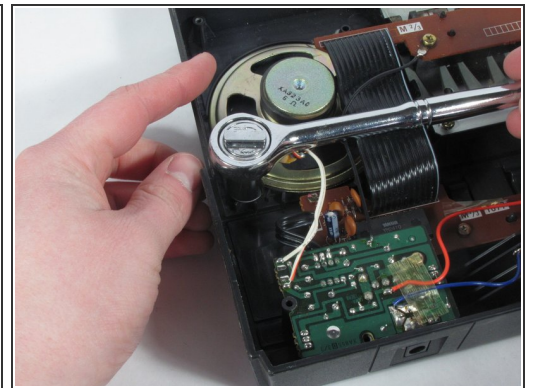
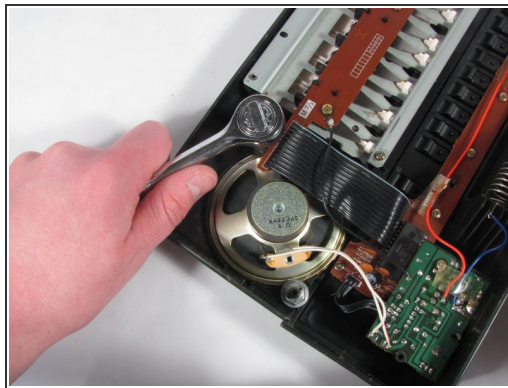
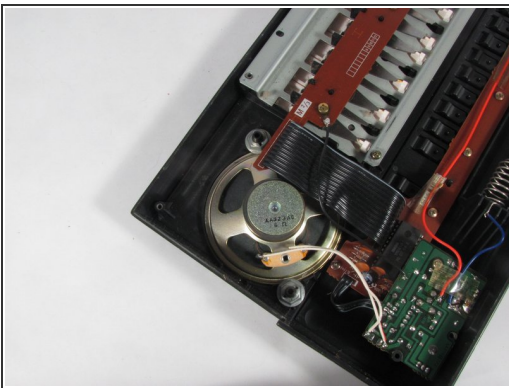
- Rotate the keyboard to get a better angle with the soldering iron.

## Step 5



- Desolder the connections of the old speaker using the soldering iron and the solder wick.

## Step 6



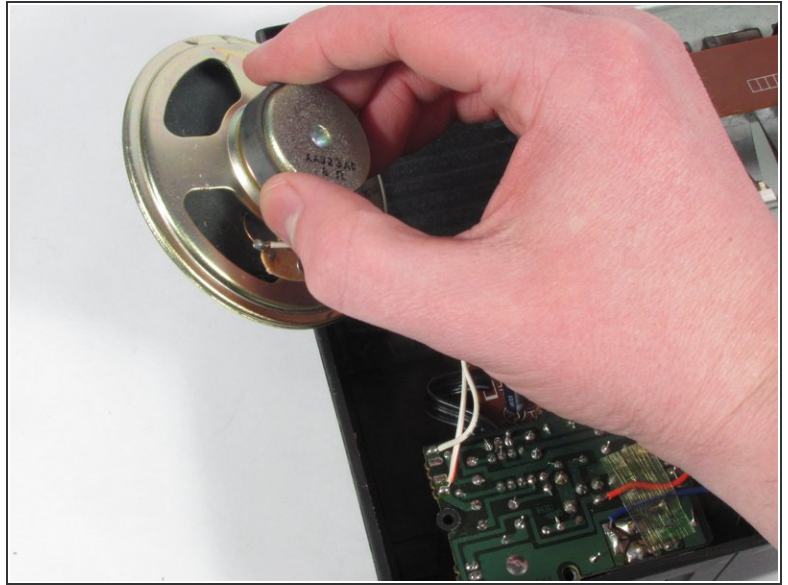
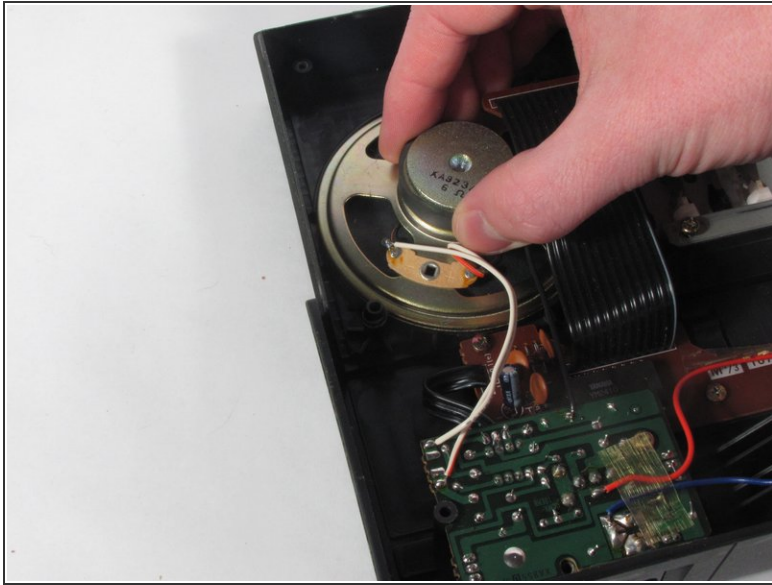
- Remove the fasteners using an 11 mm socket wrench.



It will take very little torque to strip the plastic, so make sure that your wrench is turning them to the left.



## Step 7



- The speaker should now be free. Simply lift the speaker out.
- Using the same process, place the new speaker in the speaker indentation.
- ⓘ My own speaker was not malfunctioning so I did not replace it.

## Step 8



- Replace the fasteners that were removed in step 6, this time tightening to the right.

## Step 9



- Solder the new speaker to the wires taken off in step 5.

To reassemble your device, follow these instructions in reverse order from step 3.