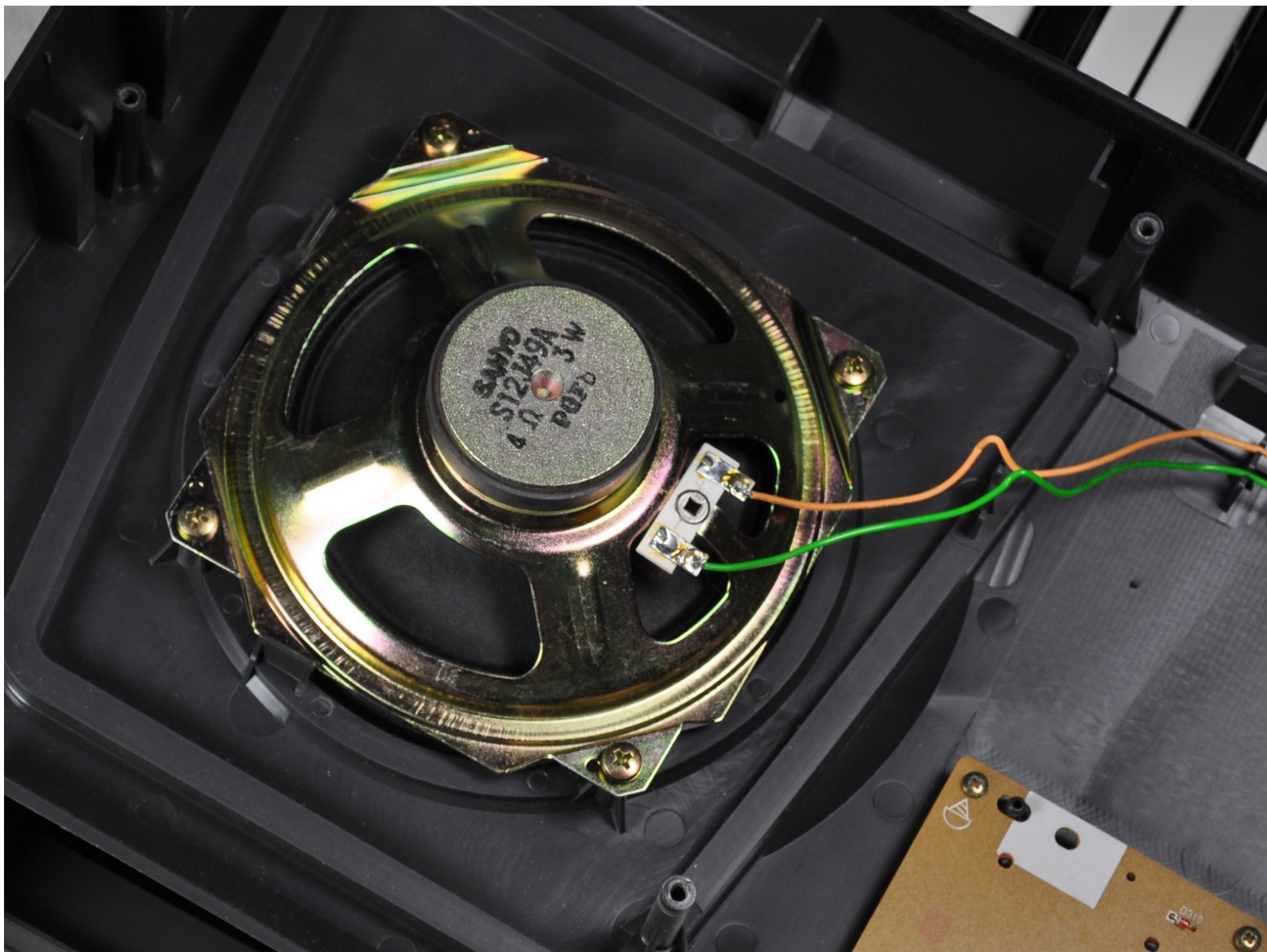




# Casio CTK-501 Speaker Replacement

This guide will help you to remove and reinstall a broken or faulty speaker in your Casio CTK-501 keyboard.

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## TOOLS:

- [Wire Stripper](#) (1)
- [Desoldering Braid](#) (1)
- [Phillips #2 Screwdriver](#) (1)
- [Solder](#) (1)
- [Soldering Iron](#) (1)



## PARTS:

- [Speaker](#) (1)
- [Wire](#) (2)

## Step 1 — Bottom Panel



- Flip the keyboard upside down so the bottom is angled towards you.

## Step 2



- Use a #2 Phillips screwdriver to remove the twenty-seven 12 mm screws from the dark gray bottom panel.

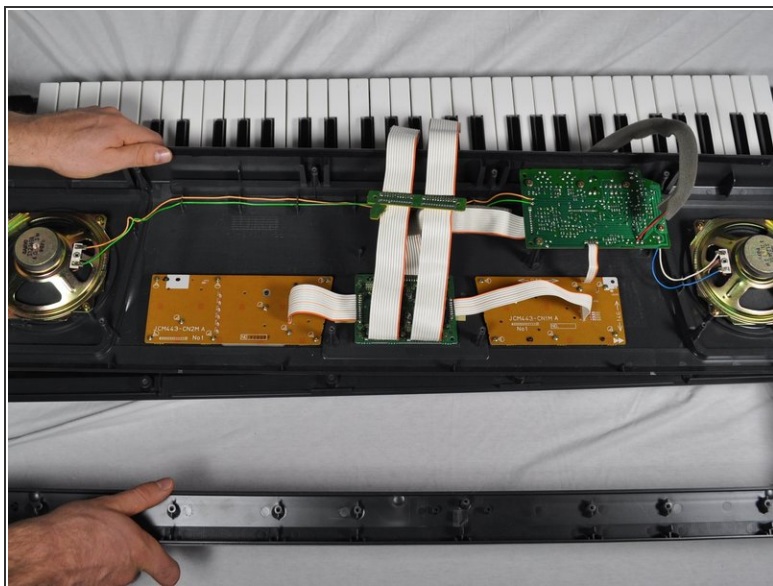


## Step 3



- Remove the bottom panel by lifting the bottom panel up and outward from yourself.

## Step 4



Flip the entire keyboard so the keys face up, and be careful not to let the bottom drop.

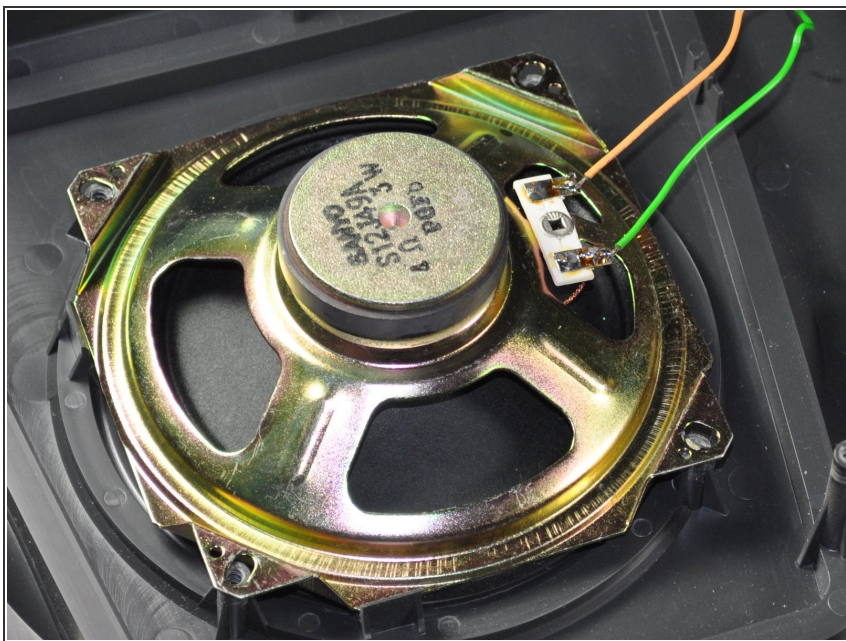
- Flip the top half of the keyboard and set onto the bottom half with the internal parts facing up.

## Step 5 — Speaker



- ⚠ Plug in the soldering iron and place somewhere safe to avoid burning yourself or causing a fire.
- Completely unscrew and remove all four screws in the corners of the speaker.

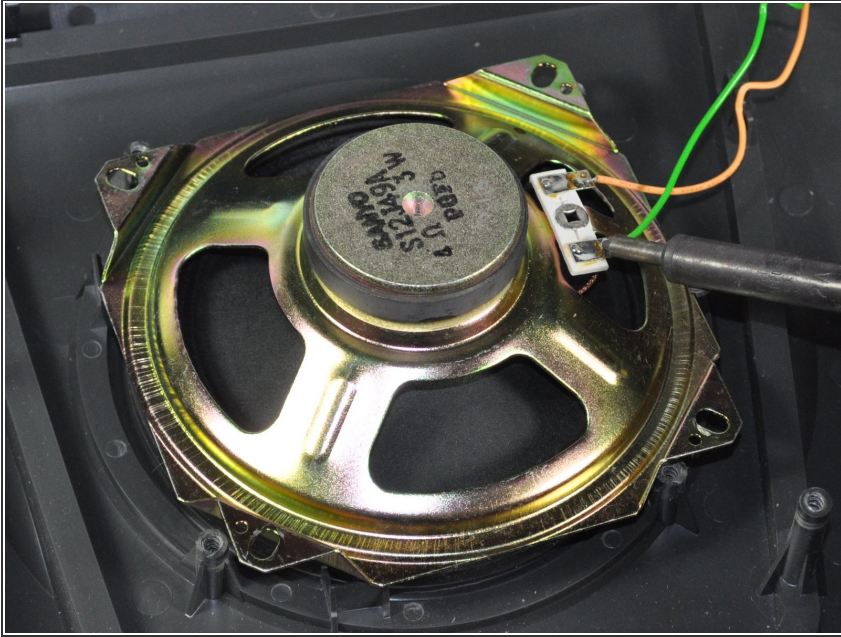
## Step 6




- Pull the speaker out of the keyboard and set on a flat surface to solder safely.



## Step 7




 Be careful when removing the wires and avoid dripping solder on yourself or the keyboard.

- Touch soldering iron to solder over the end of the wires, and when the solder melts, pull the wires away from the speaker.
- Remove the speaker and replace with a new one.

## Step 8



 Strip the wires if you need more clean metal to solder to the speaker.

- Use the soldering iron to melt the solder over the wire to connect them to the speaker.

## Step 9



- Completely screw in the screws back into the original positions on the corner of the speaker.

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