How to Repair a Broken Speaker Cable on a Harman Kardon CN-04N567-4822

Repair your computer speaker’s truncated wires in this easy to follow 7-step guide.

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INTRODUCTION

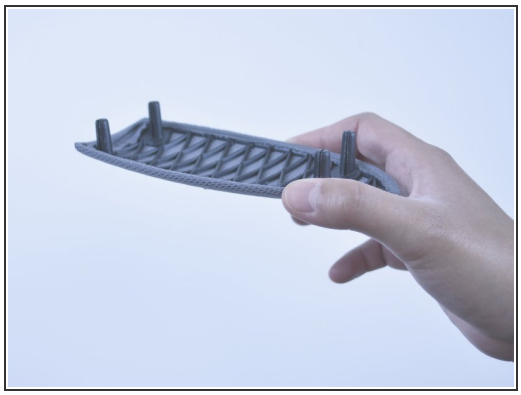
Sometimes the moving about of computer speakers leads to broken wires and the speakers will fail to work properly. This guide will show you how to repair a Harman Kardon CN-04N567-48220 external computer speaker.

TOOLS:

- Phillips #1 Screwdriver (1)
- Soldering Iron (1)
- Solder (1)
- Desoldering Braid (1)
- Wire Stripping/Crimping Tool (1)

Step 1 — How to Repair a Broken Speaker Cable on a Harman Kardon CN-04N567-4822

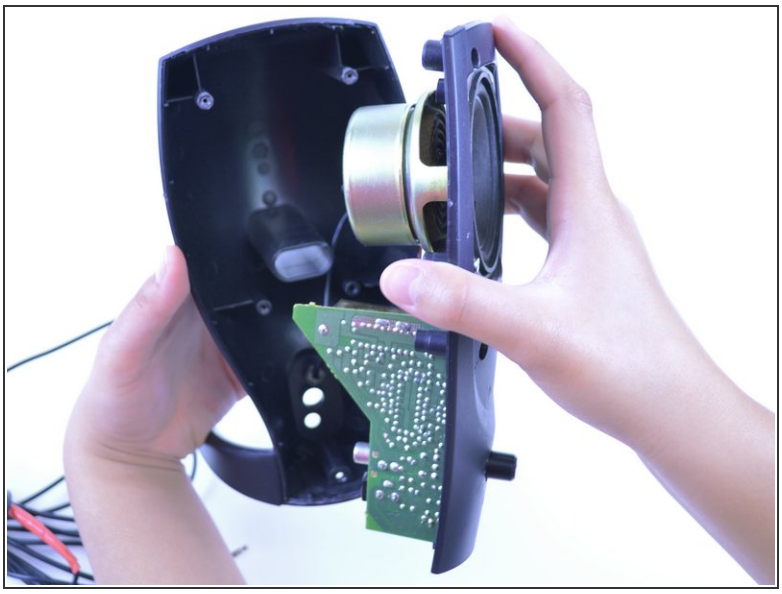




- Use your fingers to pull the top of the speaker grill away from the speaker enclosure.
- Pull the bottom of the grill away from the speaker enclosure and then completely remove the grill.

ⓘ Four posts attach the grill assembly to the front of speaker enclosure. These posts are located on the back side of the grill assembly.

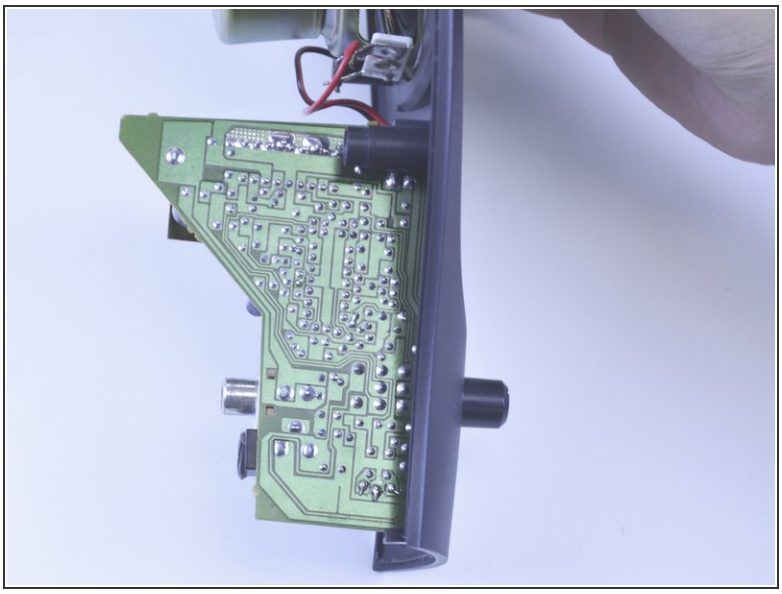
Step 2

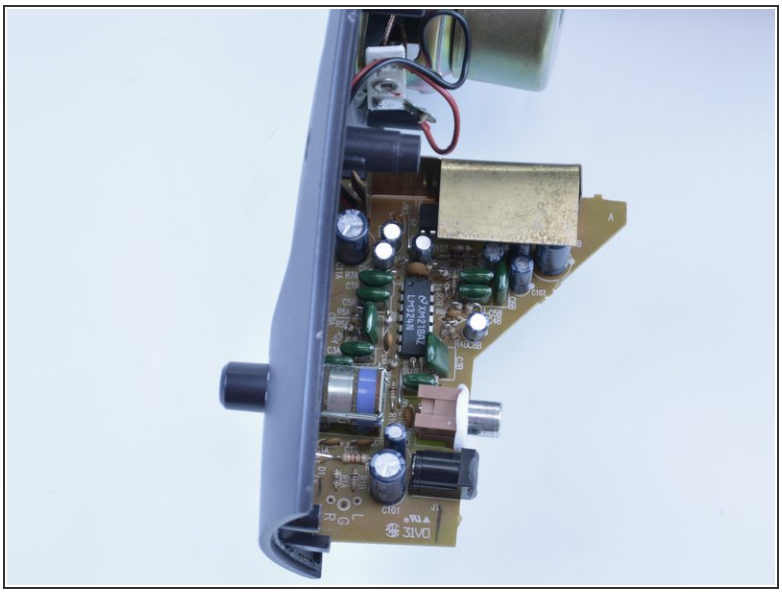


- Remove the top two 9.5 mm Phillips #1 screws from the speaker.
- Remove the two 9.5 mm Phillips #1 screws located below the speaker screws.
- Slowly work your way around the seam until the two parts of the enclosure are free.

More speaker cable slack may be achieved by pulling additional cable through the rear of the case.

Step 3





- Inspect both sides of the printed circuit board (PCB) for any raised traces, off-colored areas, or loose components.

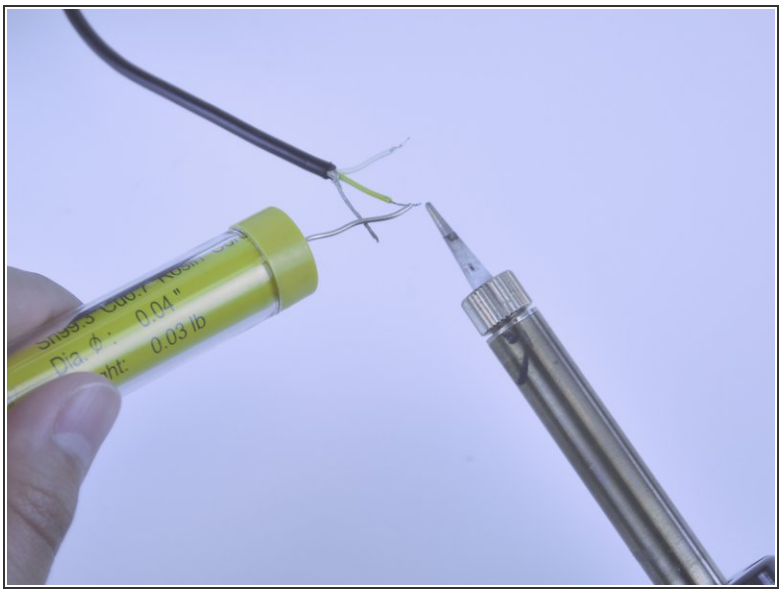
ⓘ This step is to avoid making a mechanical repair (re-soldering the wires to the PCB) on a piece of equipment that also has obvious electrical or mechanical issues.

Step 4

- Use desoldering braid and a soldering iron to wick away the old solder and wire remnants from the solder pads and through-holes.

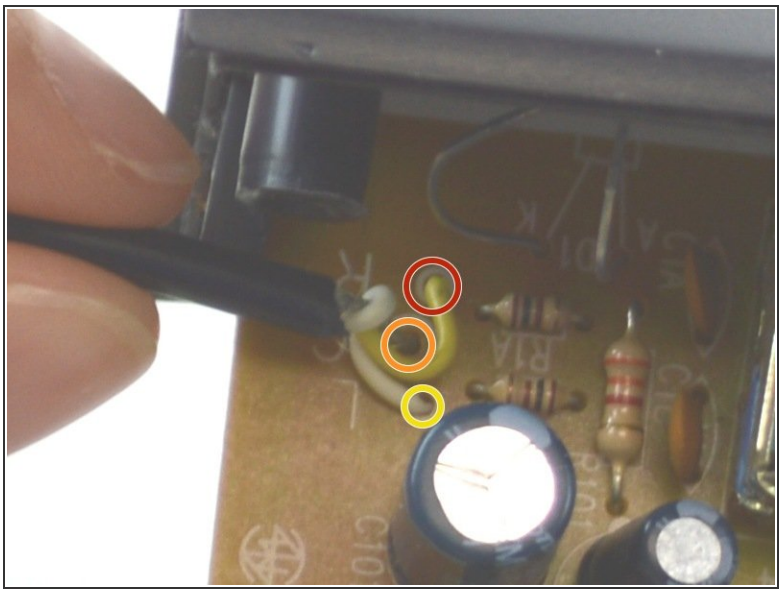
ⓘ Do not leave solder bridges across the pads as this will cause functional issues.

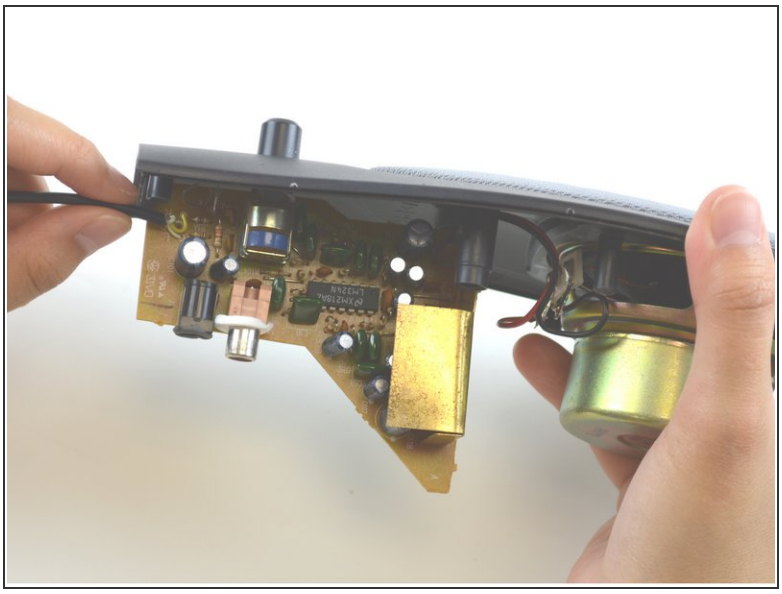
Step 5



- Use wire strippers to remove a small section of insulation from the wires.
- Use a soldering iron and solder to tin the wires. This prevents the strands from fraying.

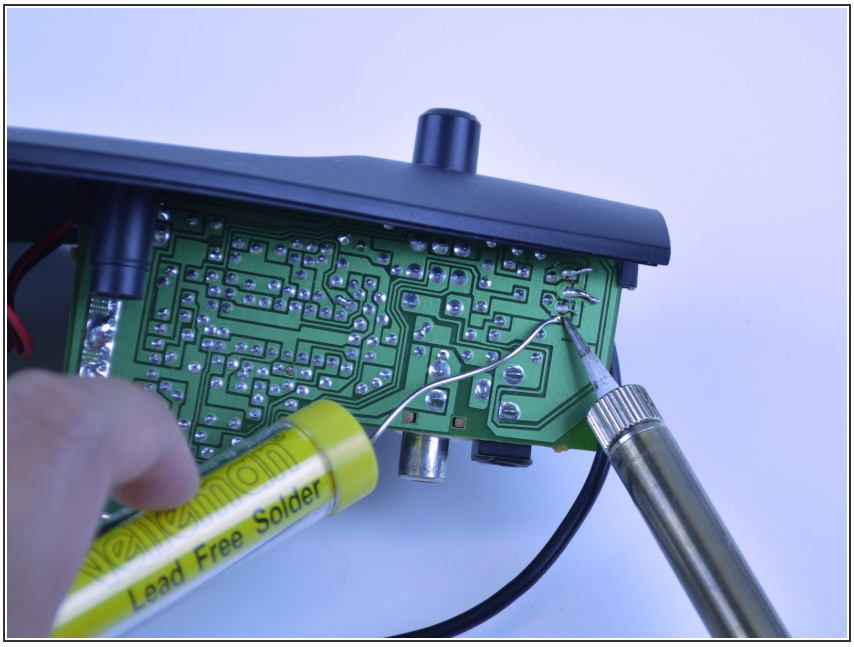
Step 6





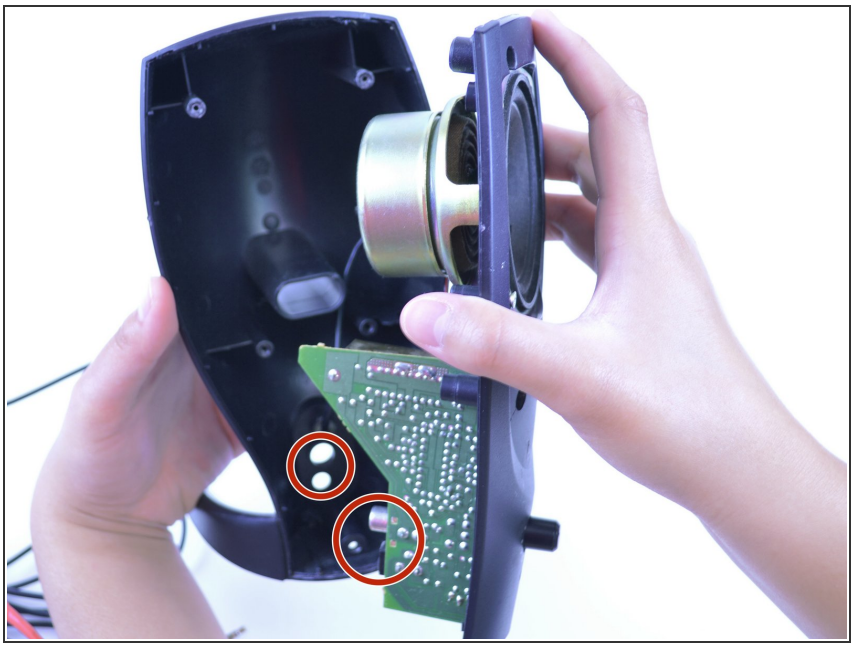
- Insert the yellow wire into the through-hole marked "R".
- Insert the bare ground wire into the through-hole marked "G".
- Insert the white wire into the through-hole marked "L".

Step 7



- Use the soldering iron to flow solder between each wire and its solder pad.

Step 8



- Reassemble the two parts of the enclosure making sure that the PCB-mounted audio jacks are lined up with the mating holes of the rear enclosure.
  - Route the cable inside the enclosure to avoid stressing the solder joints.

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