Sony FDL-220R Watchman Speaker Replacement

A bad mono-speaker can lead to distorted or no audio on the Sony FDL-220R Watchman. This guide will show you how to replace the mono speaker in order to fix the device's sound.

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INTRODUCTION

This guide will outline how to replace the Sony FDL-220R Watchman mono-speaker. Steps include a thorough disassembly of the Sony FDL-220R Watchman, and tools include a Phillips #00 Screwdriver, soldering station, and tweezers.

Knowledge of how to solder a basic through-hole contact is required.

🔧 TOOLS:

- Phillips #00 Screwdriver (1)
- Tweezers (1)
- Soldering Iron (1)

Step 1 — Remove battery cover and batteries

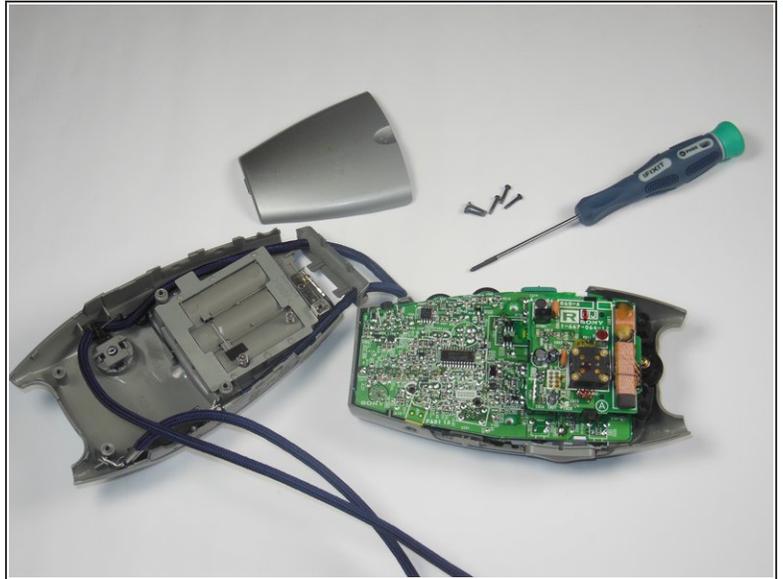

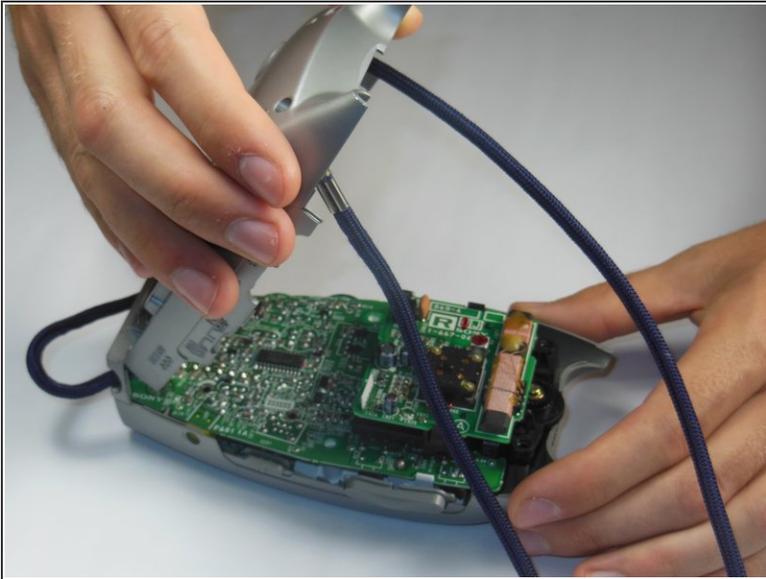- Press down on the textured area and push toward the bottom of the device.

- Gently remove the battery cover.

- Remove the three AA batteries.

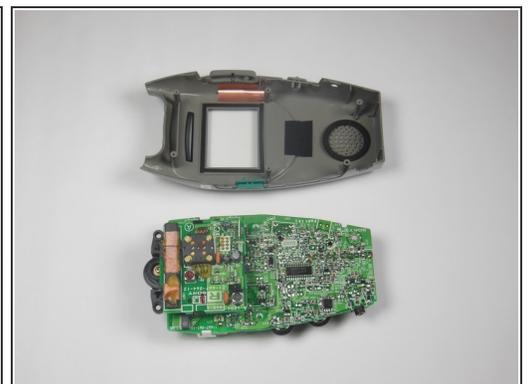This document was generated on 2020-11-20 05:05:28 PM (MST).

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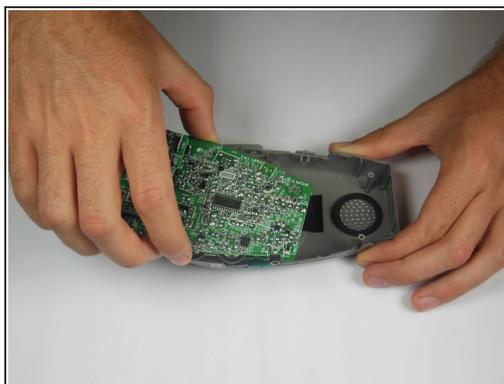
Step 2 — Remove screws

- Locate the five 5x11mm screws surrounding the battery compartment.

- Remove screws with a Phillips #00 screwdriver.

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Step 3 — Remove back casing

- Grasp the entire back half of the Watchman's casing.

- Snap off the casing from the bottom of the device.

- Gently pull off entire back casing.

- ⓘ Buttons may fall out upon opening casing. See the [button replacement guide](#) to fix buttons.

Step 4 — Remove circuit board

- Carefully grasp the entire circuit board.

- Pull the circuit board off of the device's plastic casing.

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Step 5 — Remove speaker

- Locate the mono-speaker on the device.

- Locate the two through-hole contacts to the right of the speaker.

- Touch a soldering iron to the two through-hole contacts.

- While the solder is hot, pull down on the wire with tweezers.

- ⓘ It may be helpful to remove excess solder with a solder wick or sucker.

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

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