



Sonos One Mid-Woofers Diaphragm Repair/ Replacement

This guide will demonstrate how to repair the diaphragm of the Sonos One mid-woofer.

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INTRODUCTION

This guide is for the replacement of the woofer diaphragm for the Sonos One.

Important: Accessing the internals of the Sonos One will void the factory warranty and make the unit rejected for factory repair, even if warranty is expired.

TOOLS:

- [T10 Torx Screwdriver](#) (1)
- [T8 Torx Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)

Step 1 — Protective Cover



- Disconnect all power cords.
- Remove the rubber foot and plastic screw guard on the bottom of the device using a plastic opening tool.

Step 2



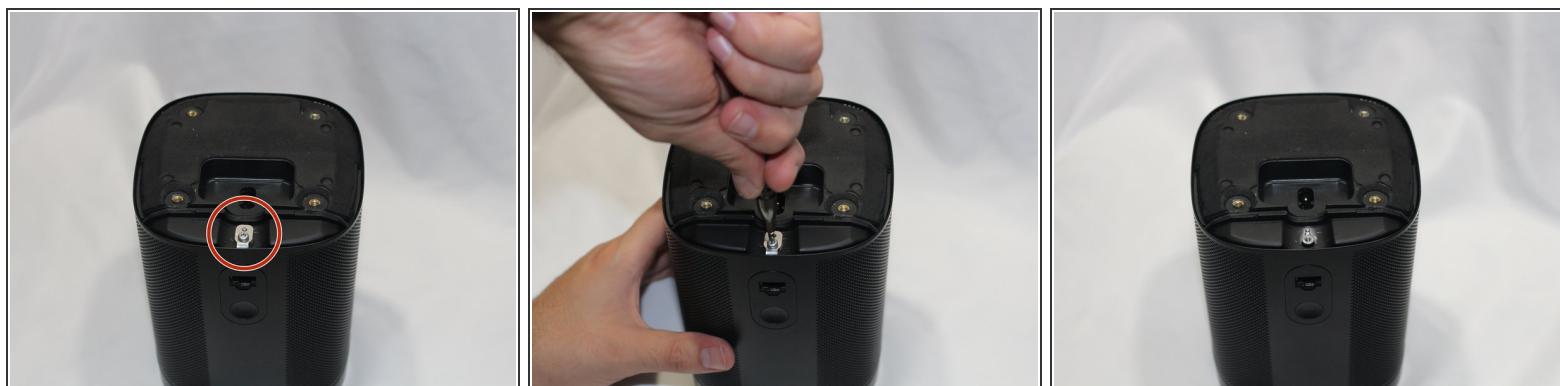
- Remove the four 10mm Torx T10 screws from the bottom of the speaker.

Step 3



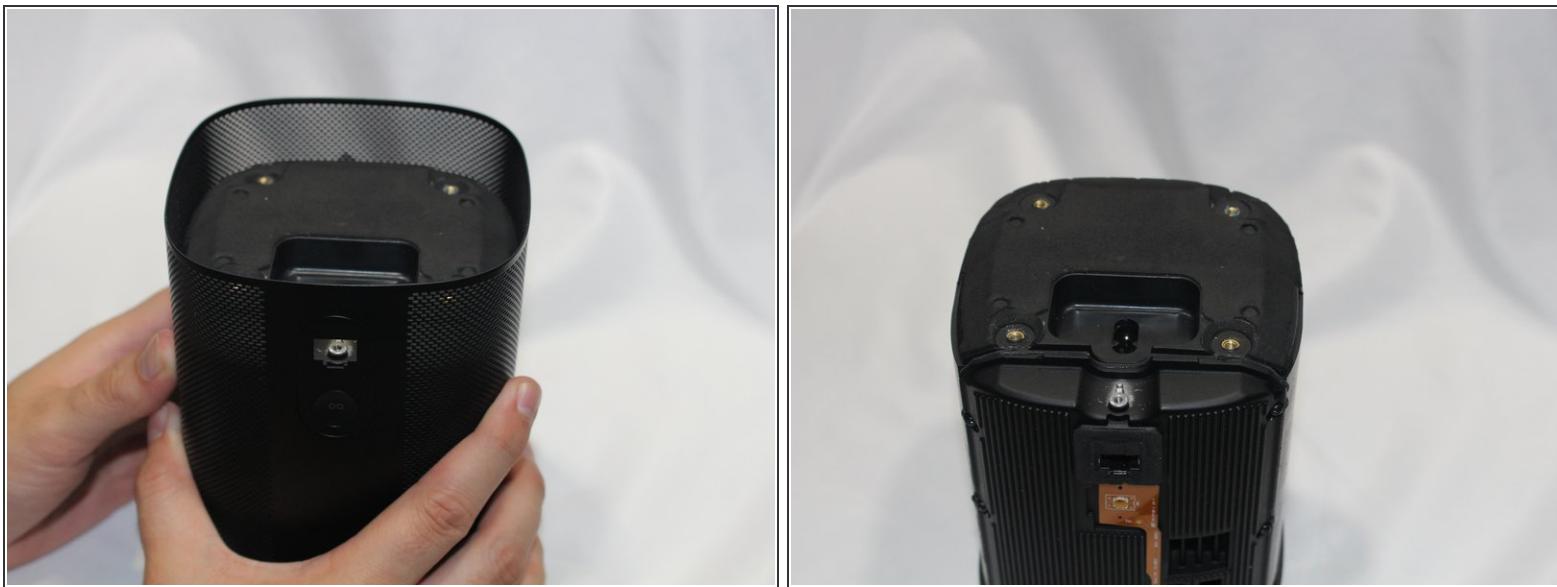
- Remove the bottom cover by squeezing the protective cover slightly while pushing up with your fingers.

Step 4



- The protective cover clip is very thin and deforms easily.
- Remove the single 8mm Torx T10 screw and protective cover clip.

Step 5



- Slide the protective cover upwards to remove.

Step 6 — Control Panel & Microphone



- Use the pointed end of a spudger to remove the covers that hide the screws.
- Remove the four 9mm Torx T8 screws from around the perimeter of the control panel.

Step 7



- With the front of the unit facing you, lift the control panel up using your thumbs.
- There's a ribbon cable attaching the control panel to the speaker so work slowly.

Step 8



- Use a spudger to flip up the retaining flap on the control panel ribbon cable [ZIF](#) socket.
- Pull the control panel ribbon cable out of its socket.

Step 9



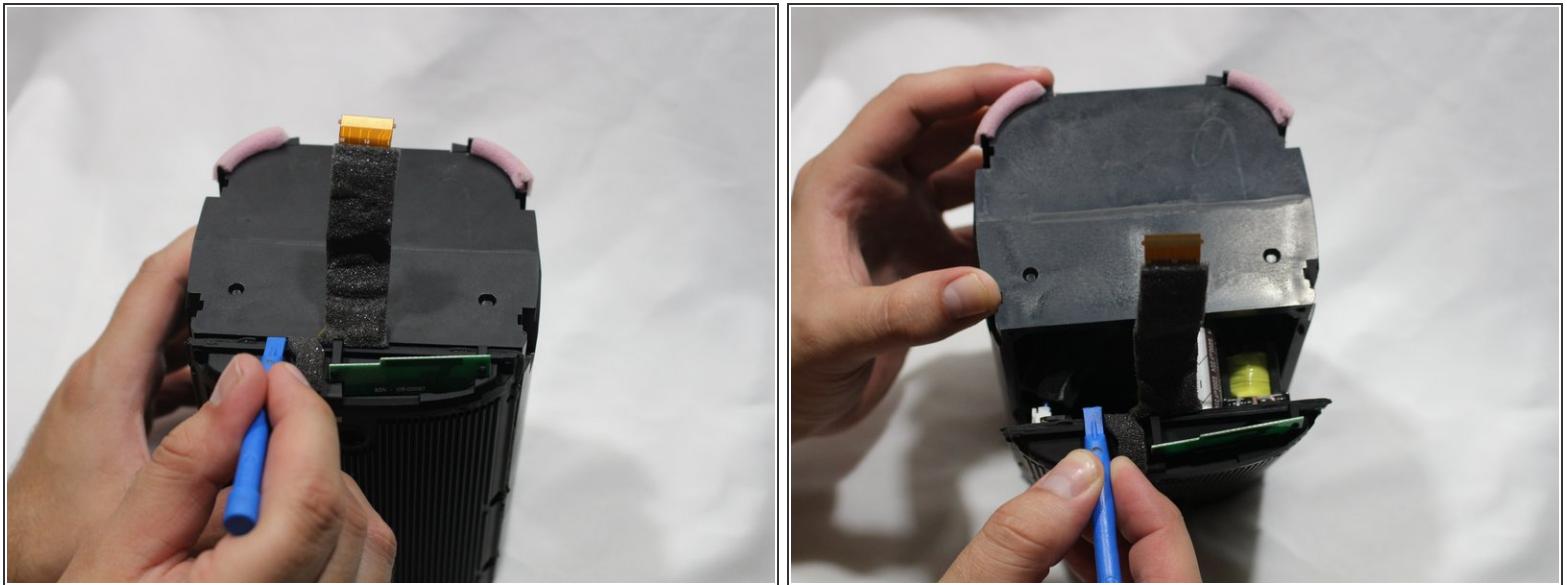
- Pull the control panel away from the speaker to separate.

Step 10 — Power Adapter Receptacle



- Remove the six 9mm Torx T8 screws from the motherboard panel.

Step 11



- Using a plastic opening tool, separate the motherboard from the speaker.

Step 12



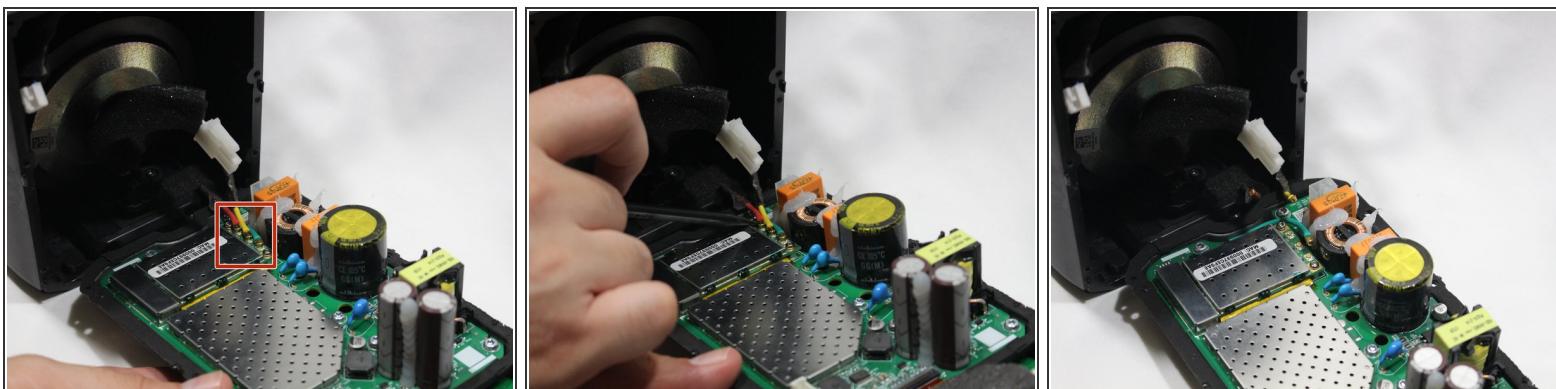
- Using your thumb, disconnect the speaker cable from the motherboard.

Step 13



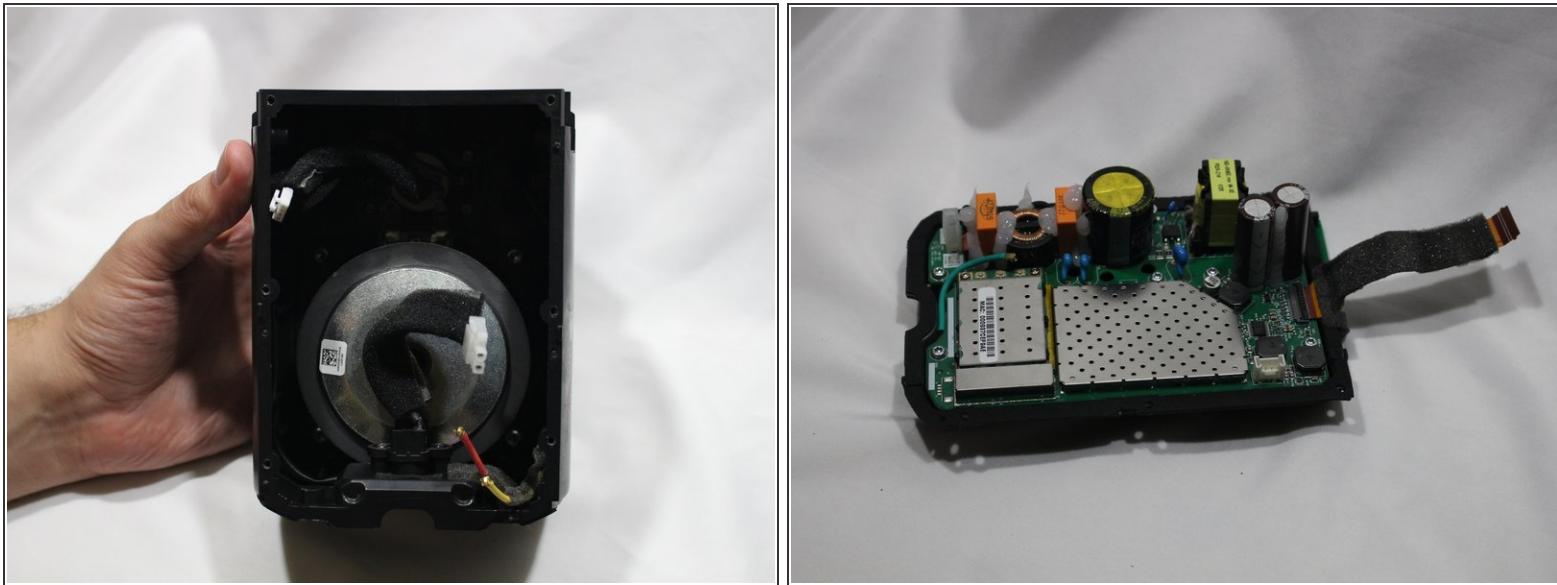
- Disconnect the power adapter plug from the motherboard using your thumb.

Step 14



- Using the pointed end of the spudger, disconnect the red, green, and yellow cables connecting the WiFi transmitter/receiver.

Step 15



- Remove the motherboard panel from the speaker housing.

Step 16



(i) The woofer is highly magnetic, making removal of the metal screws sometimes difficult.

- Remove the two 9mm Torx T8 screws from the power adapter plug.
- Remove the power adapter receptacle from its housing slot.

Step 17 — Tweeter Diaphragm



- Disconnect the woofer cables.

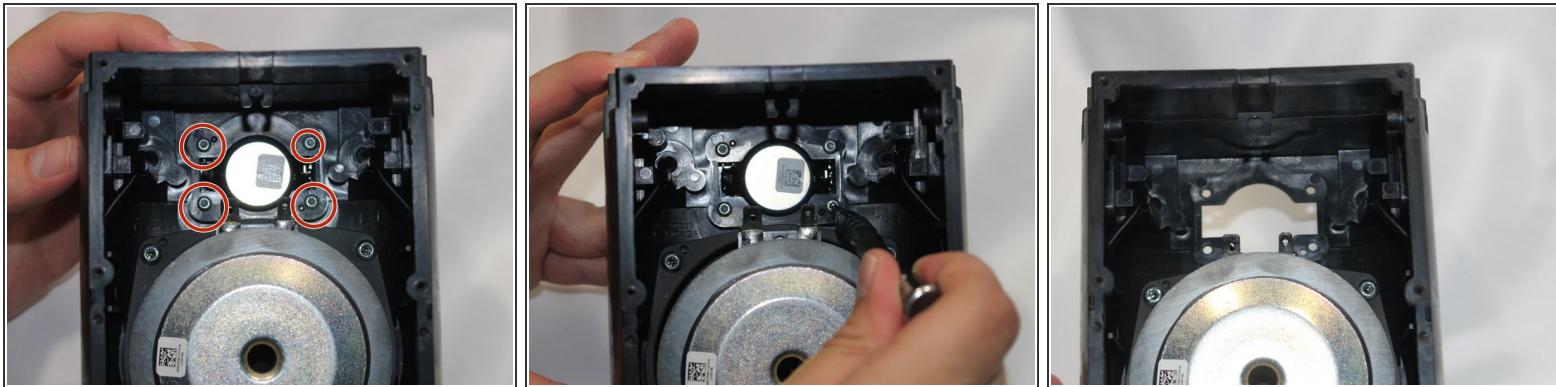
(i) If removing the tabs is difficult, the flat end of the spudger may be used to depress the middle tab and then the tab may be pulled to disconnect.

Step 18



- Disconnect the cables from the tweeter.

Step 19



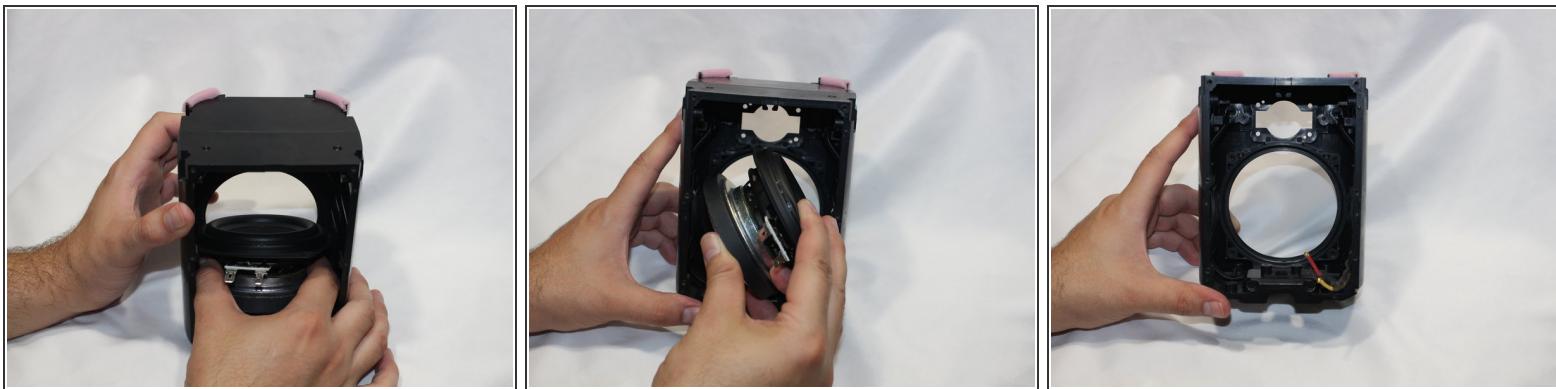
- Remove the four 10mm Torx T10 screws from the tweeter.
- Remove the tweeter from the speaker housing.

Step 20 — Woofer Diaphragm



- Remove the four 10mm Torx T10 screws from the woofer.

Step 21



- ⓘ The woofer is snuggly fit into the frame socket, some careful manipulation is required to remove the woofer from the housing.
- Remove the woofer from the speaker housing.

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