



# HomePod Disassembly

This is a guide on how to take the HomePod mostly apart. The furthest this guide will go is removing the amplifier board (round circuit board)

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## TOOLS:

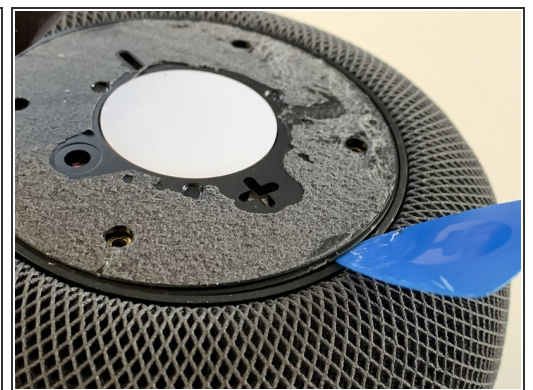
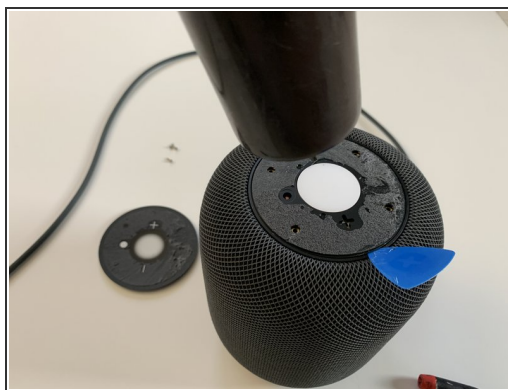
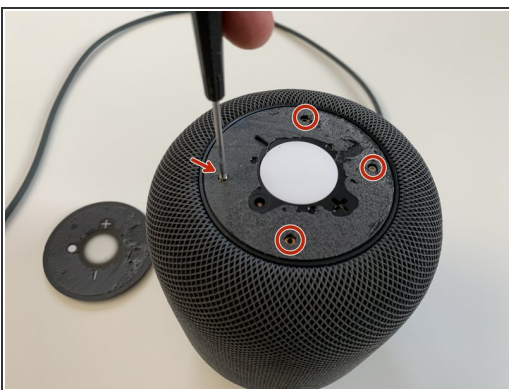
- [T6 Torx Screwdriver](#) (1)
  - [Spudger](#) (1)
  - [Tweezers](#) (1)
  - [Hair Dryer](#) (1)
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## Step 1 — Top Touch Cover



- ⚠ Be sure to unplug your HomePod before disassembly.
- Using a hairdryer on hot, heat up the top touch surface and remove.
- ⚠ The cover is not flexible. Special care must be taken to avoid cracking or snapping the top cover.

## Step 2 — Removing the Touch Surface



- Remove four T6 screws.
- Using a hair dryer on hot, soften the adhesive holding the touch pad assembly to the top frame.
- Using a guitar pick, carefully pry up the touch pad.



### Step 3 — Disconnecting the Touch Surface



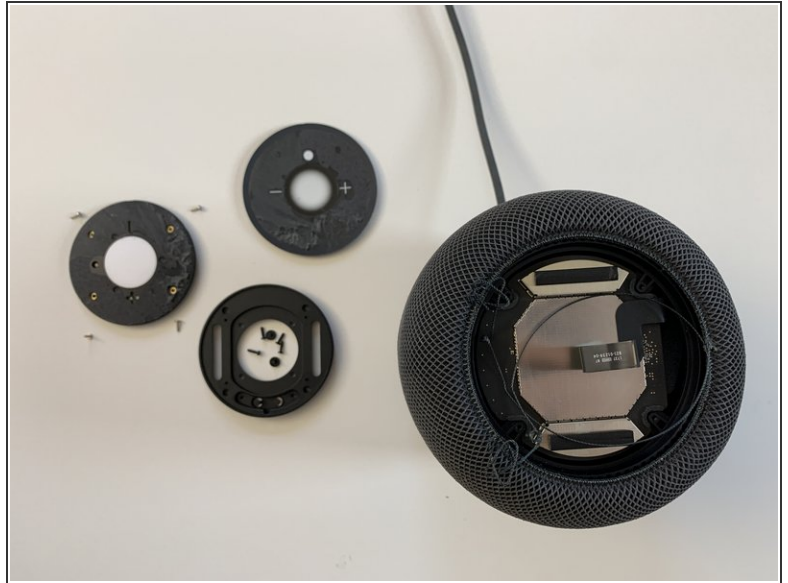
- Maneuver the touch assembly board up from the top frame.
- Flip the retaining lever upwards with a spudger to release the ribbon cable.
- Remove the ribbon cable from the connector.

### Step 4 — 3D Mesh Draw Strings



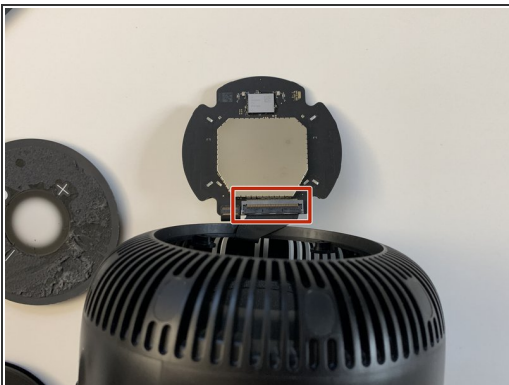
- Using tweezers (or fingers) unwind the drawstrings from the moorings.
- The drawstrings are wrapped/looped around each T6 screw post. Remove or loosen each and unwrap the drawstring.

## Step 5 — Touch Surface Support Plate



- Remove the four T6 screws securing the touch surface support disc to the lid and slide the 3D mesh fabric sleeve downwards.
- Remove the touch surface support frame disk from the HomePod.

## Step 6 — Logic Board Removal



- Flip the logic board up and using a spudger, carefully pry the retaining lever upwards.
- Pop the ribbon cable straight up and out. This cable has "ears" on each side and doesn't slide into the connector.



## Step 7 — Top Cover Removal (screws)



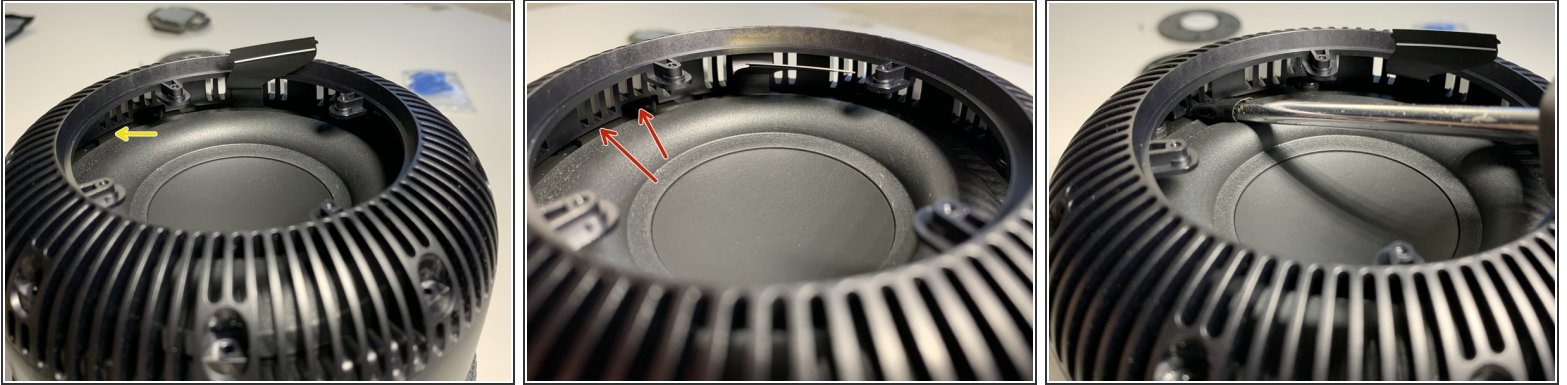
- Using a spudger, remove the nine rubber screw caps.
- Using a Torx T6 screwdriver, remove the nine T6 screws securing the top to the main housing.

## Step 8 — Softening the Adhesive



- Using a hairdryer on high heat, aim the hairdryer as shown and heat the perimeter just below the seam where the top meets the main housing.
- This step is critical. If you have trouble with the next step, repeat the heating process in the trouble area.

## Step 9 — Separating the Top



- This step requires significant force even with plenty of heat applied in the previous step.
- Insert a wide flat blade screwdriver wrapped in 1-2 layers of electrical tape.
- You will need to apply a fair amount of pressure to wedge the screwdriver head in the small gap.
- Pull the top cover straight up. This will need to be done in four sections.

## Step 10 — Top Removal (continued)



- ⚠ Be careful when freeing the top from the glue. The ribbon cable we disconnected in Step 7 is adhered to the top and can easily become torn.



## Step 11 — Top Removal (continued 2)



- Careful peel the ribbon cable from the top.
- ⚠ Take your time as you don't want to tear this cable.

## Step 12 — Woofer Removal



- Remove the six Torx T6 screws securing the woofer.
- Carefully lift the woofer out by it's edges and slip the logic board ribbon cable through.



## Step 13 — Disconnecting the Woofer



- Support the woofer on the top edge of the HomePod with your hand.
- With your other hand, reach inside and squeeze the tab on the connector and pull straight up to disconnect the woofer from the amplifier board.
- Remove the woofer from the HomePod.

## Step 14 — Woofer Gasket



- Remove the woofer's gasket.
- i** This is a simple, yet critical part and sealing the enclosure with the driver installed. Failure to replace this gasket will result in degradation of sound and excessive air noise.

## Step 15 — Upper Ring Removal



- Remove the six Torx T6 screws.
- ⓘ Note the small delicate rubber O rings that go with each screw. Replace any damaged or missing O rings.

## Step 16 — Upper Ring Removal (Continued)



- Using a spudger, push the silicone grommet through the upper ring.
- Remove the upper ring from the HomePod.



## Step 17 — Middle Ring Removal



- With the upper ring removed, remove the grommet from the ribbon cable.
- Rotate the middle ring counter clockwise to unscrew it from the HomePod.

## Step 18 — Power Supply Removal



- Push down on the locking tab and pull in the direction of the arrow.
- Remove the four Torx T6 screws securing the power supply to the amplifier board.



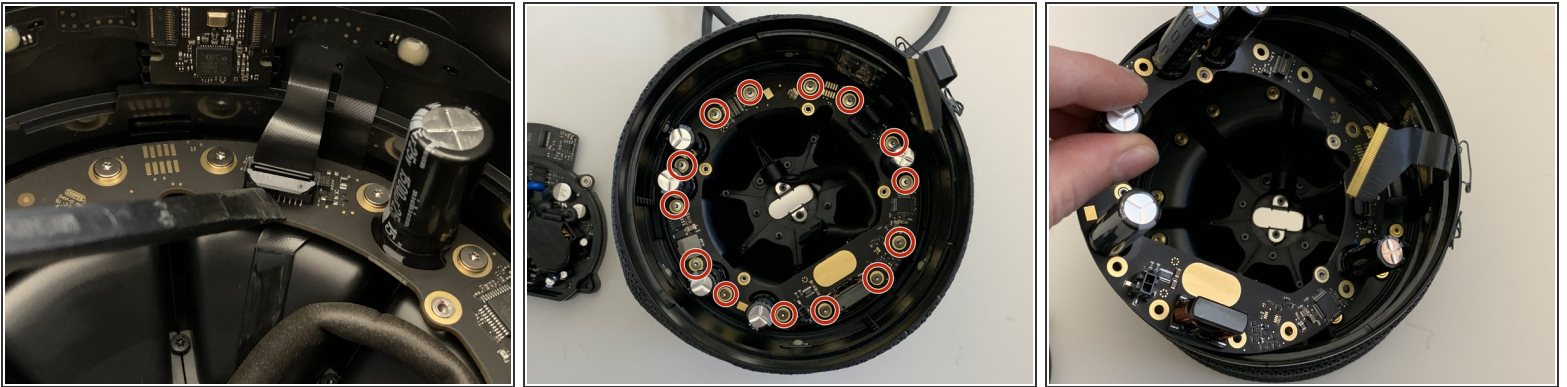
## Step 19 — Power Supply Removal Tips



⚠ Be sure to pull straight up (orange arrow) when removing the power supply (after removing the screws). This connector is fragile and easily damaged during removal and installation!

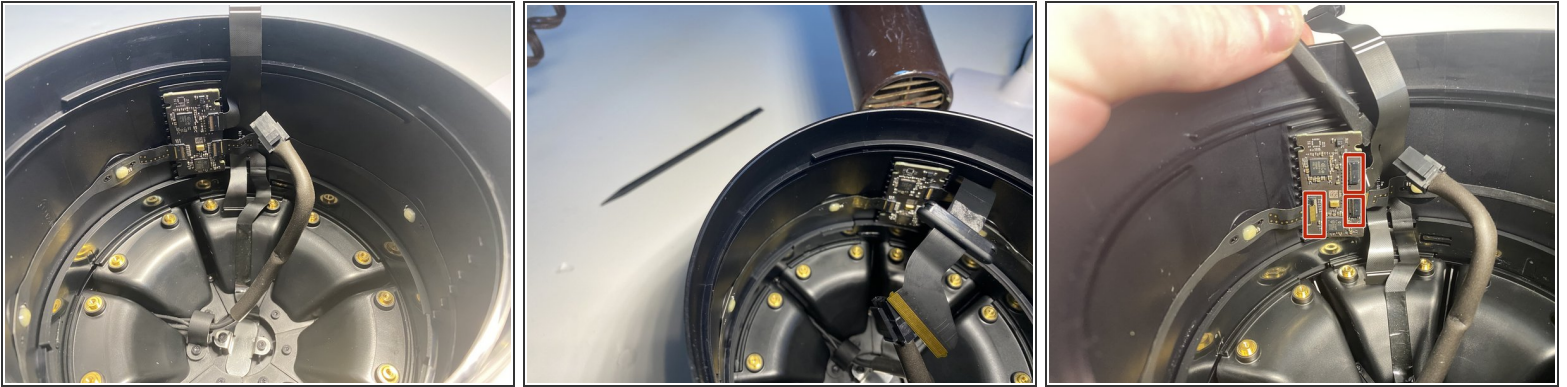
i The third photo shows how the power supply board properly mates with the amplifier board.

## Step 20 — Amplifier Board Removal



- Disconnect the ribbon cable connecting the amplifier board to the logic board.
- Remove the 14 Torx T6 screws securing the amplifier board to the 7 tweeters.
- Carefully lift out and remove the amplifier board from the HomePod.

## Step 21 — Microphone Board Removal



- Disconnect the 3 ribbon cables from the Microphone board.
- Using a hair dryer, heat the microphone board from the back side.
- Using a plastic spudger, remove the PCB from the housing.

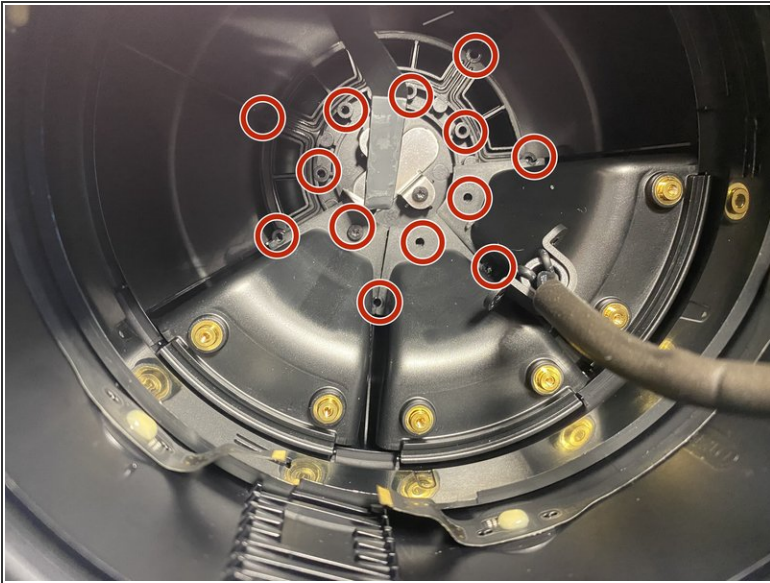
## Step 22 — Tweeter Retaining Ring



- This is difficult to do, but with two spudgers and a finger nail, it's possible.
  - Using one hand to depress the 2 spiders and a finger nail to depress the 3rd clip, use your free hand to unscrew (counter clockwise) the tweeter retaining ring.
- i** It is only necessary to rotate the tweeter retention ring several turns. It is not necessary to remove it entirely.



## Step 23 — Tweeter Removal



- Remove the three screws that secure the tweeter in place.

## Step 24 — Main Ribbon Cable Removal



- Remove the two T6 screws securing the diagnostic port to the bottom housing
- ⚠ Careful peel the ribbon cable from the wall of the HomePod. Take care not to tear this cable.
- ☑ Remember it helps to heat the outside of the housing near the ribbon cable with a hair dryer to soften the adhesive securing this ribbon cable in place.

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