



Google Nest Mini (2nd generation) Teardown

Tearing down the Google Nest Mini (2nd generation)

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TOOLS:

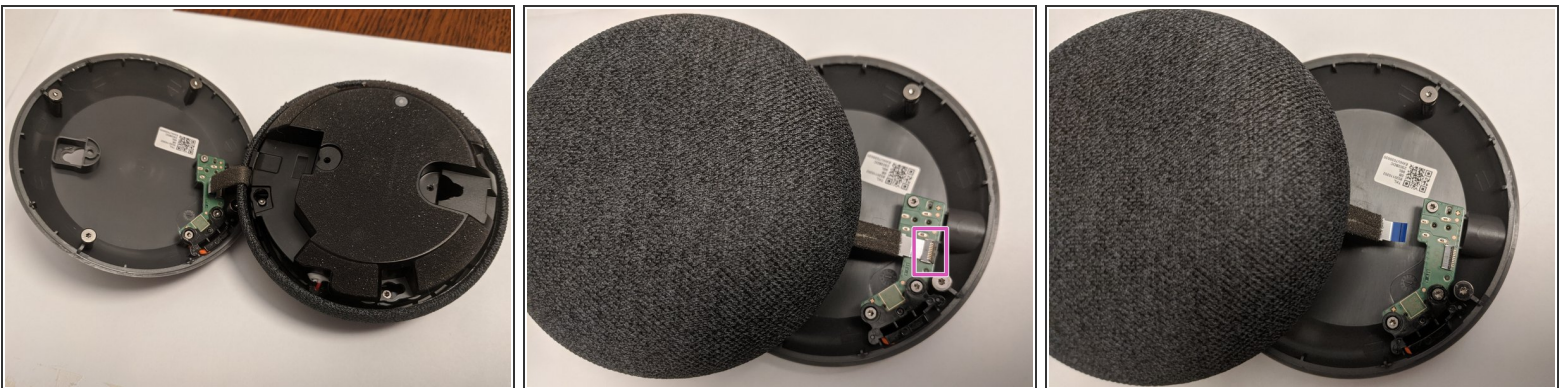
- [Torx T6 driver](#) (1)
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Step 1 — Unfasten the back cover



- Begin with your standard issue Nest Mini. note the white insert inside the mounting hole.
- Insert an appropriate tool underneath this flexible rubber white insert. I'm using a knife. Knives are sharp, be careful.
- The rubber insert comes out, revealing a sneaky T6 Torx screw.

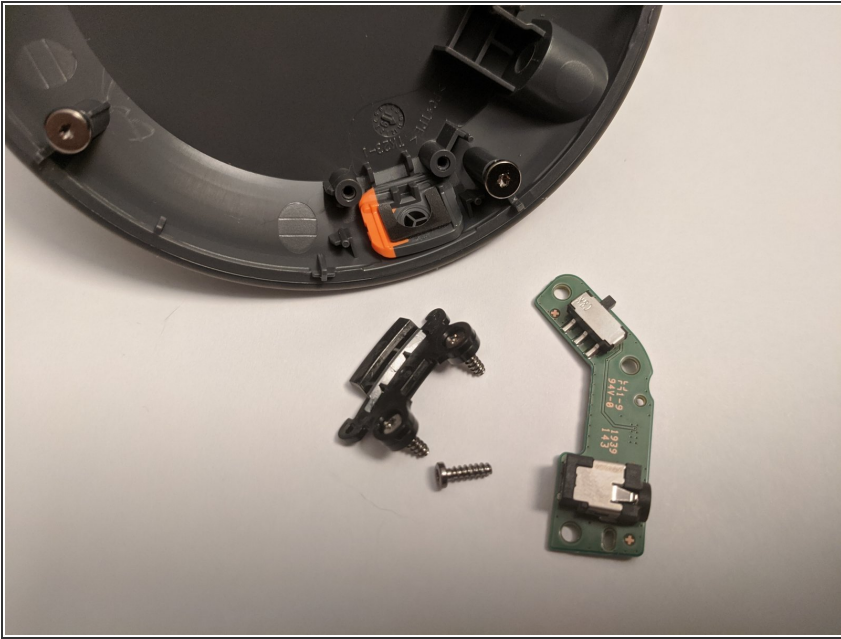
Step 2 — Remove the back cover



- Do the normal thing with the T6 Torx screw.
- Grab the front of the speaker in one hand and the back cover in the other, and rotate the back clockwise slightly. It should rotate just a few millimeters.
- Four lugs inside are disengaged when it rotates. You can now gently lift the back cover away. Be careful not to put strain on the ribbon cable.
- Using a plastic spudger, unfasten the zero insertion force (ZIF) connector latch. Slide the ribbon connector out of the ZIF connector to free it.

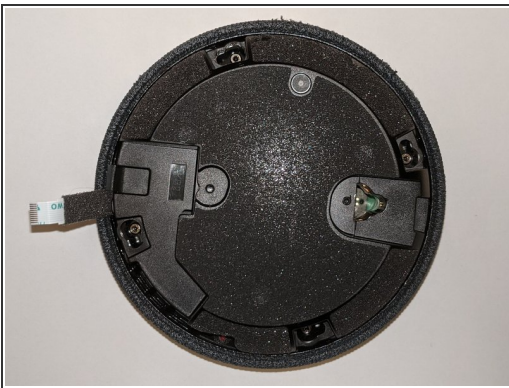
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Step 3 — Power input, mic switch



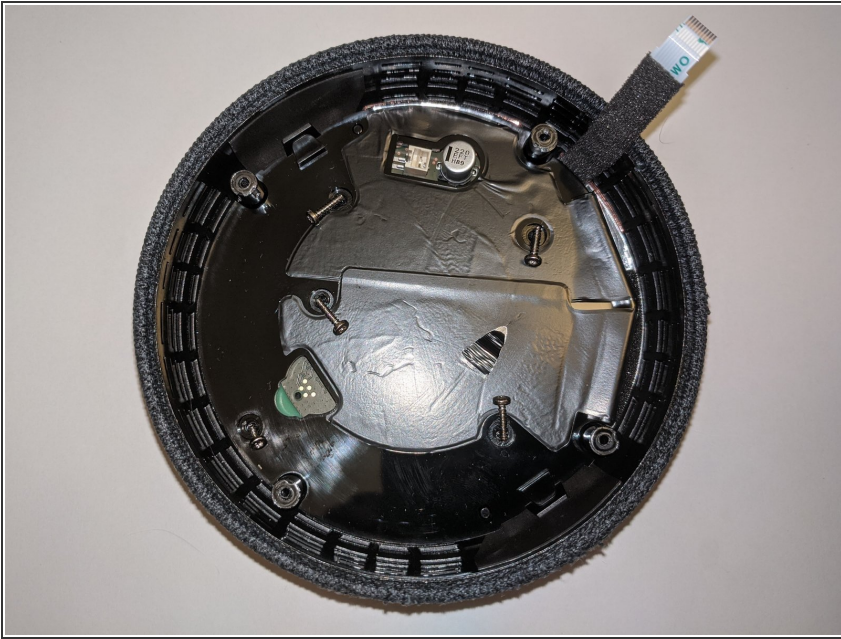
- Three more T6s secure a board bringing power input and a microphone switch down the ribbon cable.

Step 4 — Remove the speaker



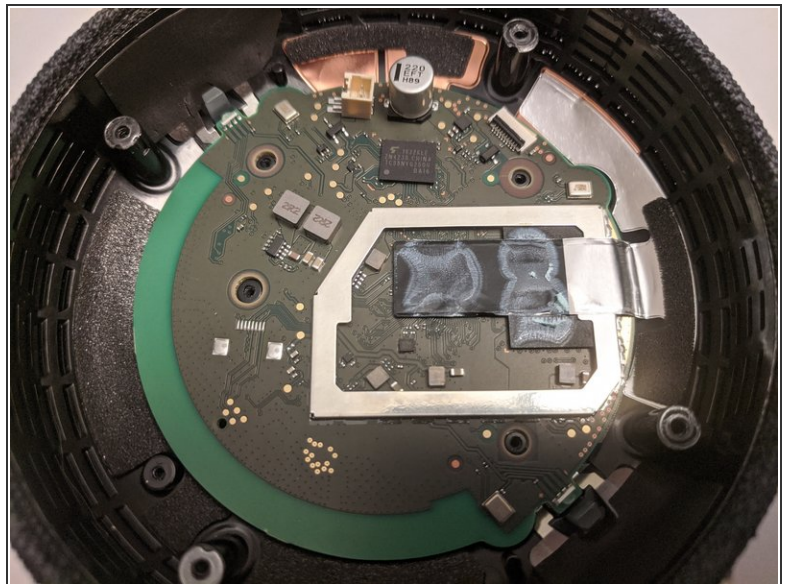
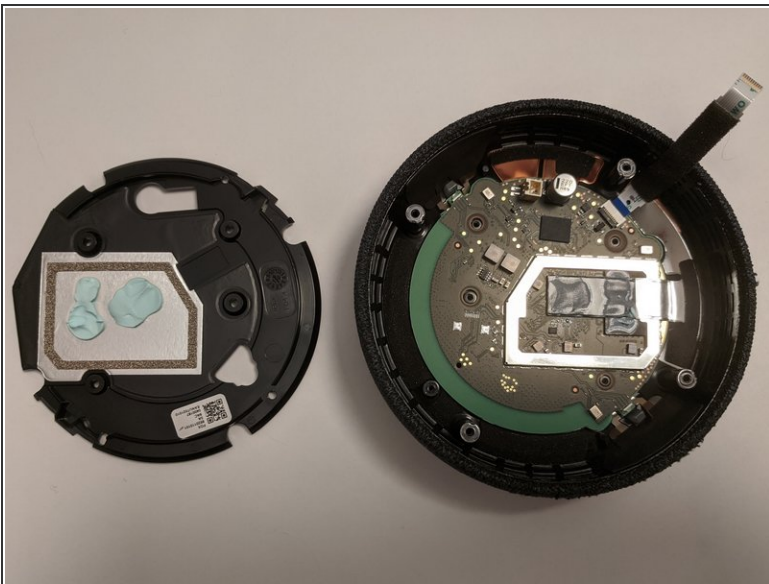
- Four more T6 screws secure the speaker assembly to the front.
- A small connector must be unplugged to detach the speaker after unscrewing. Under the speaker, we find ... more T6 screws!
- The speaker has no fasteners and probably cannot be opened further nondestructively.
- The foam covering the speaker hides a serial number in QR and written form.

Step 5 — Another piece of plastic



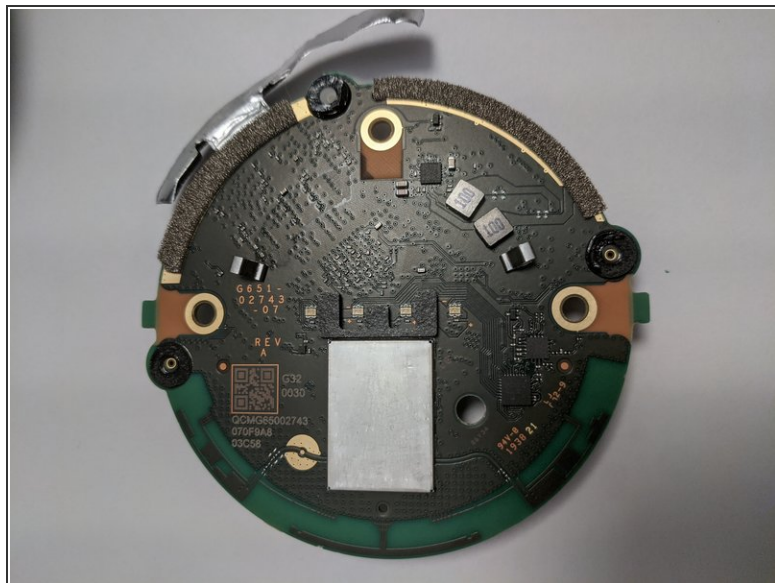
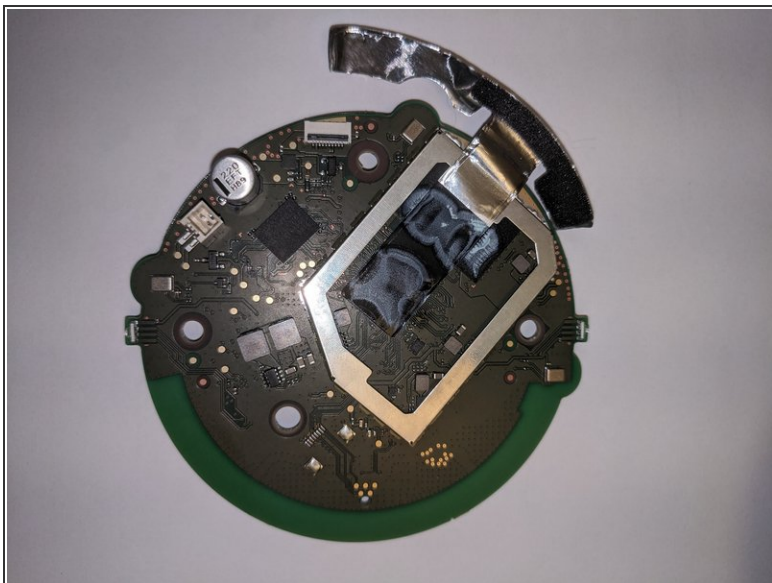
- So far all the T6 screws have been the same. The five screws securing this piece, which covers the logic board, are not. Four long ones and a short one. If you forget the positions, the picture has your back.

Step 6 — Deeper



- Relieved of its T6s, the last piece pulls away with a bit of thermal shmoo.
- Here lies the smarts of this speaker. Ain't that much to look at, is it?

Step 7 — Naked



- The board can be gently prised from its casing, now secured only by some glue, thermal pads, and foil tape.
- There's not much in here that's serviceable without an advanced degree in fiddly soldering.