



Garmin Nuvi 200w Motherboard Replacement

How to replace the motherboard of a Garmin Nuvi 200W.

Written By: Nick Scharr



INTRODUCTION

The motherboard on the Garmin Nuvi 200W is a circuit board in the device that operates the whole device. The motherboard occasionally has a component fail, preventing the device from working. Should this happen, the entire Nuvi 200W unit will be inoperable.

This repair is best done in a clean, dust-free environment. The sensitive electronics inside the Nuvi 200W will not respond well to sand and other small particles. It is also important to leave yourself ample time to effectively navigate the motherboard removal process.

TOOLS:

- [T5 Torx Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [Heavy-Duty Spudger](#) (1)

Step 1 — Rear Cover



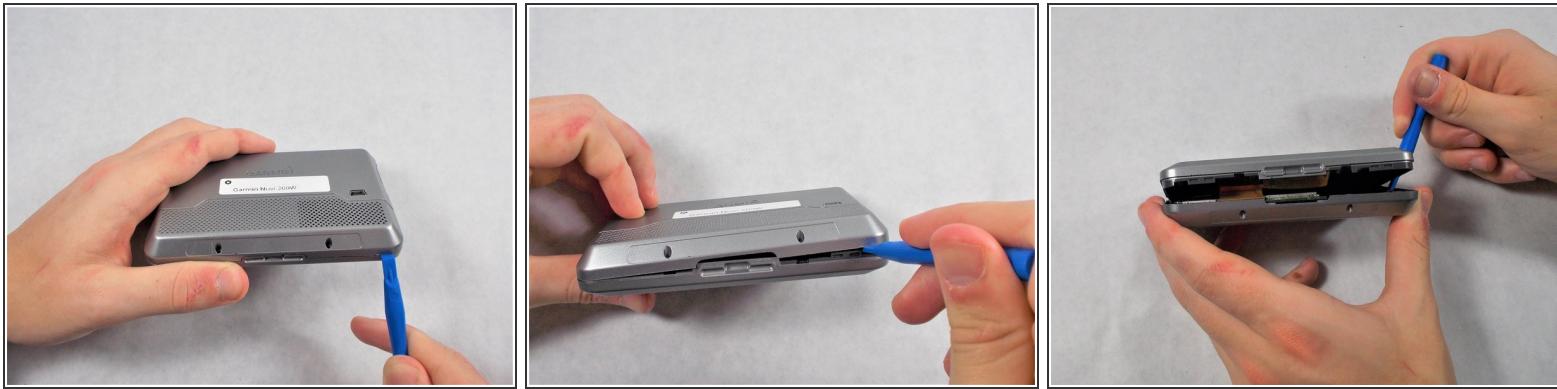
- Peel off the sticker in order to find the two Torx T5 screws.

Step 2



- Remove the two 4mm T5 Torx screws.

Step 3



- Carefully, using your plastic opening tools find the crease which separates the front and rear covers.
- Once you have a little gap, work it around the whole device with the tool to get separation.

Step 4



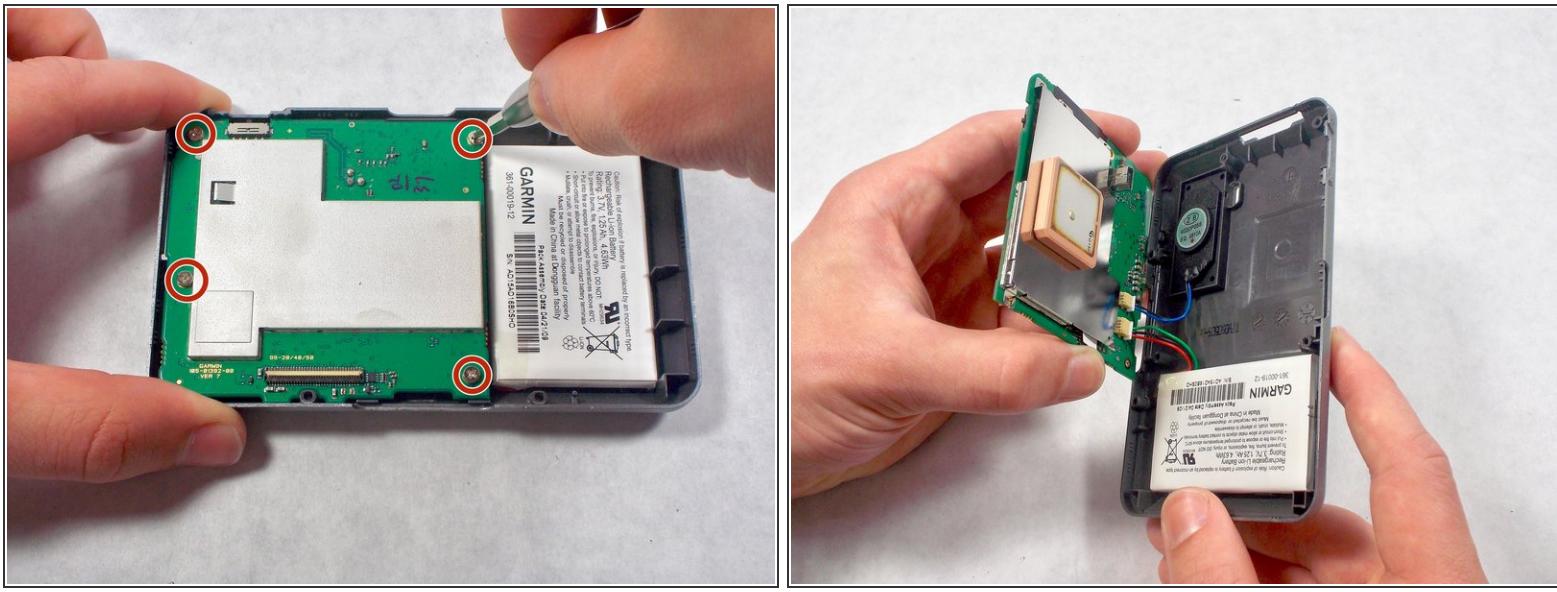
⚠ After the case front and rear are separated, carefully lay the two sides down without disconnecting or damaging the orange ribbon cable.

Step 5 — Display Assembly



- Carefully use the black spudger to lift the white retaining clamp on the display cable ZIF connector.
⚠ Make sure to lift up on the white retaining clamp and not the ZIF connector itself.
- Slide the orange ribbon cable away from the ZIF connector.

Step 6 — Motherboard



- Using a screw driver, unscrew the four 2mm screws holding the motherboard in place.
⚠ Gently lift the motherboard away from the rear cover. Take care to not damage the wires or ports that link the motherboard to other components.

Step 7



- Using the black spudger, apply pressure to nudge the plug out of its port.
- Repeat this process for both ports.

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