



iPod Nano 3rd Generation Logic Board Replacement

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INTRODUCTION

The motherboard/battery assembly is sold together.



TOOLS:

- [iFixit Opening Tool](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)



PARTS:

- [iPod nano \(3rd Gen\) Rear Panel \(New\)](#) (1)
- [iPod nano \(3rd Gen\) 8 GB Logic Board](#) (1)
- [iPod nano \(3rd Gen\) 4 GB Logic Board](#) (1)

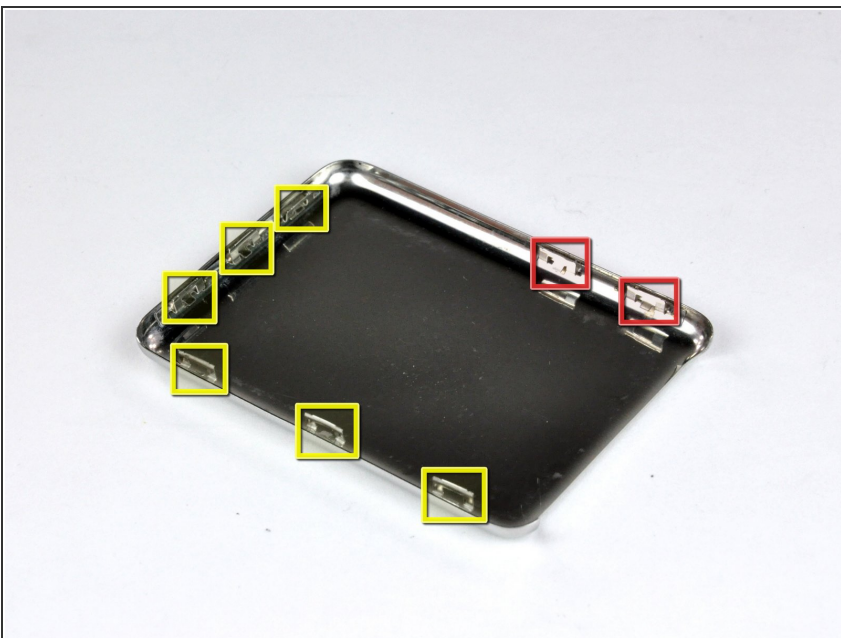
Step 1 — Rear Panel



⚠ Please be aware that removing the rear panel from the back of the iPod will cause considerable damage to the rear panel. We highly recommend purchasing an additional rear panel to properly reassemble the iPod.

i Before opening your iPod, ensure that the hold switch is in the locked position.

Step 2



i The rear panel is secured to the front case by eight clips permanently attached to the rear

panel. These clips lock onto small tabs machined into the front case.

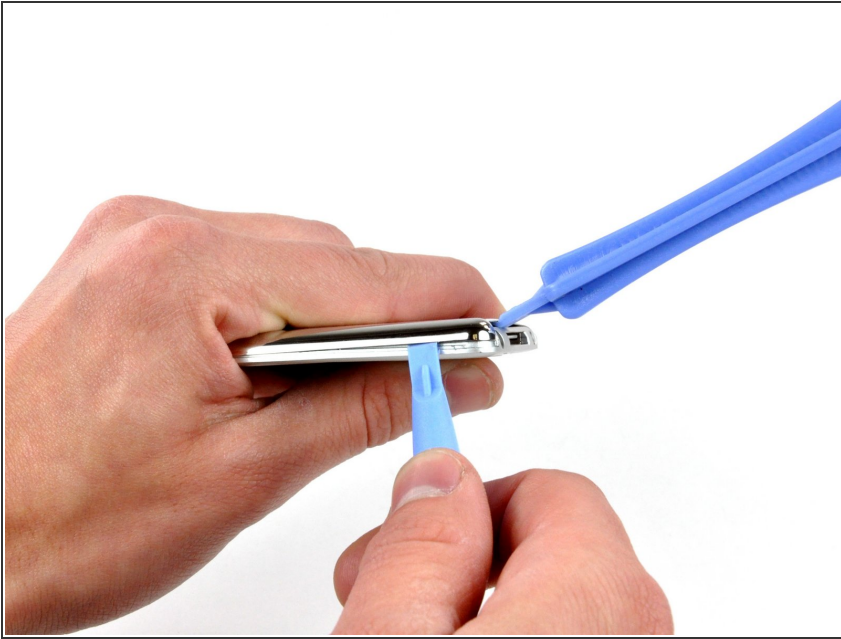
- ❗ To free the tabs, they must be pushed toward the center of the Nano. Note the location of all tabs on the rear panel. When using an iPod opening tool to free the rear panel, be sure to work the tool at the location of these clips.
- To aid in visualization, the two clips boxed in red are located closest to the headphone jack.

Step 3



- ❗ Opening the iPod can be challenging. Don't get discouraged if it takes you a few tries before the iPod is opened.
- Insert the large iPod opening tool into the seam between the front case and rear panel of the iPod, above the dock connector. The tool's edge should point toward the rear panel to prevent any accidental scratching of the anodized aluminum front case.

Step 4



- Insert a small iPod opening tool into the seam on the headphone jack side of the Nano, with the edge of the tool pointing toward the rear panel.
- Gently enlarge the existing gap by pressing/wiggling the small iPod opening tool into the gap near each of the two tabs attached to the rear case, pushing the clips toward the center of the Nano until both have been freed.

Step 5



- i** The large iPod opening tool is no longer needed to gain access to the left side of the iPod.
- Repeat the same procedure listed in the previous step to free the three clips along the hold switch side of the Nano.

Step 6



- Insert an iPod opening tool into the gap near the top left corner of the Nano and work to free the three clips along the top edge of the rear panel.
- After ensuring all tabs are free, separate the two halves of the iPod.
- The rear panel is now free from the iPod.

Step 7 — Logic Board



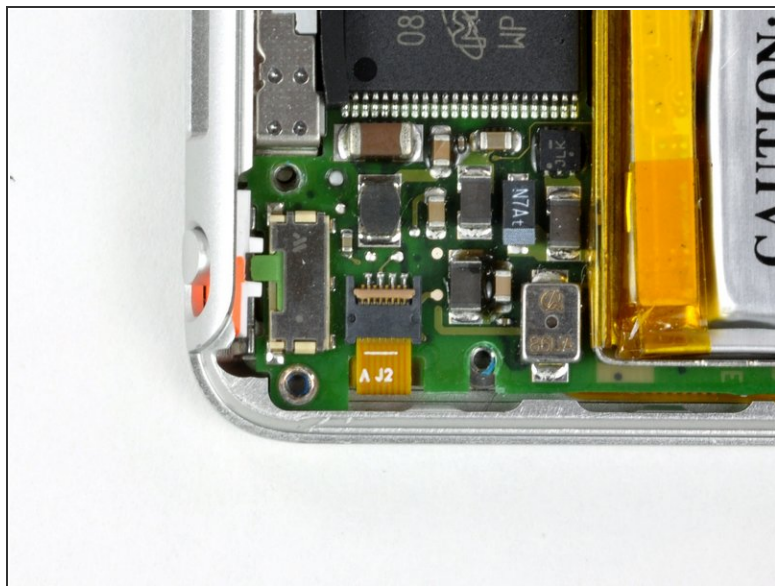
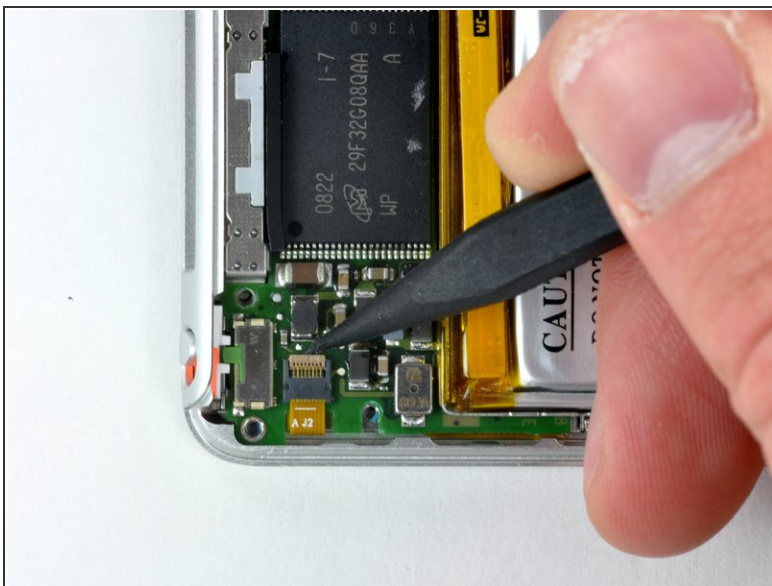
- With the rear case removed, the back side of your Nano should now look like this.

Step 8



- Remove the following six screws:
 - One 1.8 mm Phillips.
 - Three 1.9 mm Phillips.
 - One 2.4 mm Phillips.
 - One 2.6 mm Phillips.

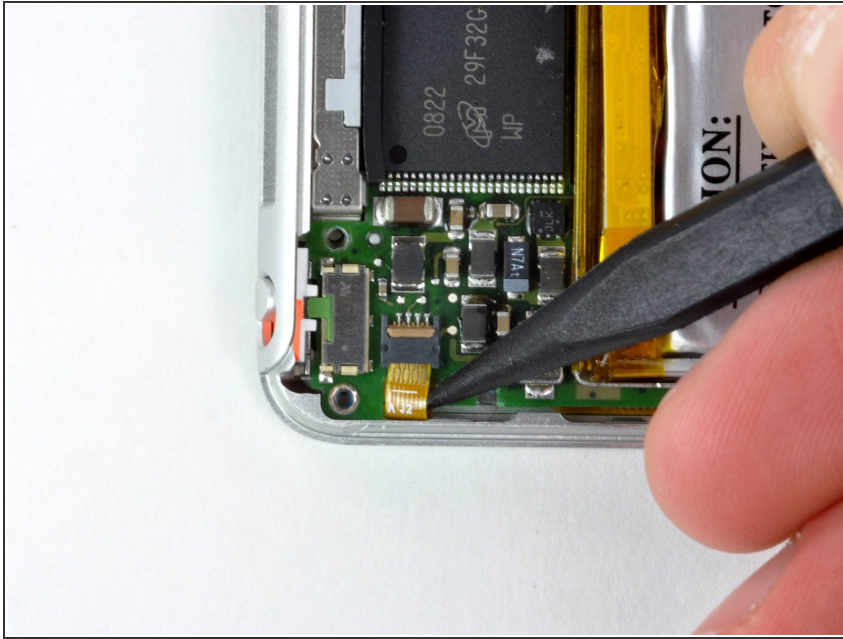
Step 9



- Using a spudger, flip up the brown click wheel ribbon cable retaining clip.

i The clip is hinged at the end nearest the edge of the case.

Step 10



- Use the tip of a spudger to slide the click wheel ribbon cable out of its socket.
- ⓘ The logic board is still connected to the iPod by the display ribbon cable.

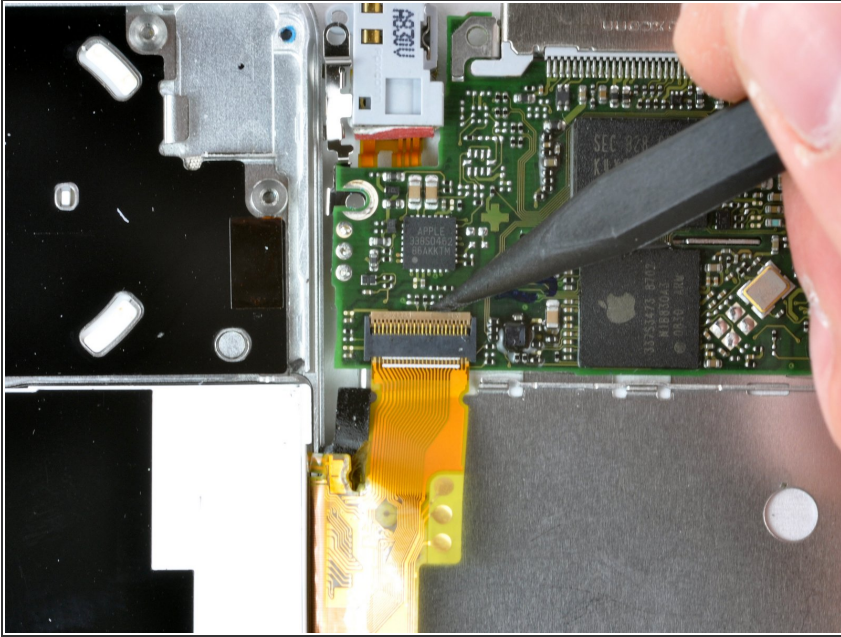
Step 11



⚠ The logic board is still connected to the front case by the display ribbon cable, located on the headphone jack side of the logic board.

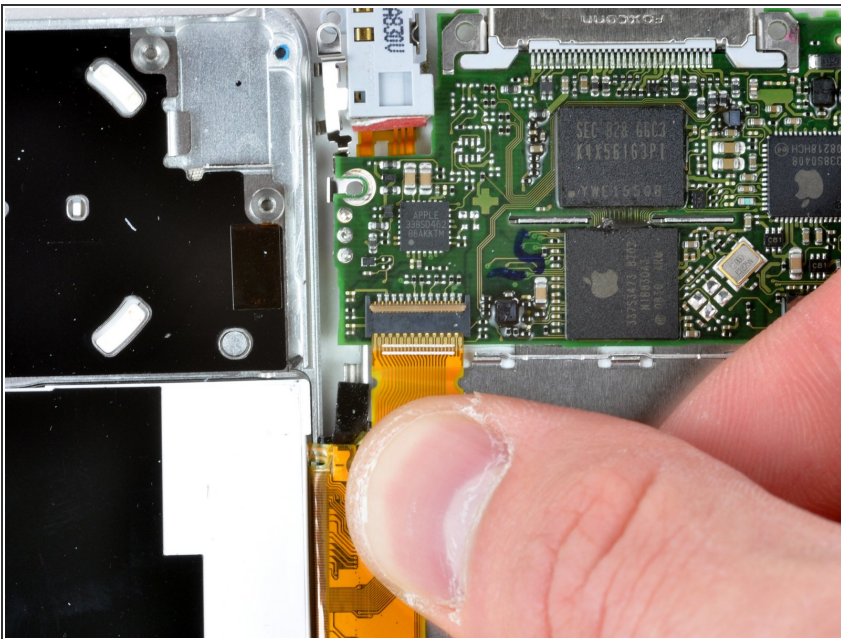
- Lift the logic board assembly out of the front case from the click wheel connector side (the cable you just disconnected). Rotate the logic board assembly about the display ribbon cable and lay it next to the front case.

Step 12



- Use a spudger to flip up the display ribbon cable retaining clip.
- ⓘ The retaining clip is hinged about the end nearest the battery.

Step 13



- Slide the display ribbon cable out of its socket.
- ⓘ The logic board is now completely disconnected from the front case.

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