



iPod Touch 1st Generation Logic Board Replacement

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INTRODUCTION

This guide shows how to remove the logic board from the iPod Touch 1st Generation.



TOOLS:

- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)



PARTS:

- [iPod touch Gen 1 8 GB Logic Board and Battery](#) (1)

Step 1 — Case



⚠ Opening the case is a tough and potentially dangerous task. A good amount of force is required to wedge the plastic opening tool in between the case seams. The case may be damaged if this step is not done properly. Make sure not to hurt yourself while opening your iPod.

- Insert the small plastic opening tool into the seam in between plastic display panel and the metal back panel. The angled edge should point towards the metal back panel.
- Hold the tool in place once it is wedged inside and the two panels are separated.

Step 2



i There are seven interlocking retaining clips on each side of the iPod. The large plastic opening tool will be used to separate the front panel from the metal back of the iPod.

- Insert the large opening tool into the right side of the iPod, with the edge of the tool pointing towards the metal back.
- Gently enlarge the existing crevice by wiggling the large opening tool and moving it to the right.
- Continue doing so until the right side of the iPod is loose.

Step 3



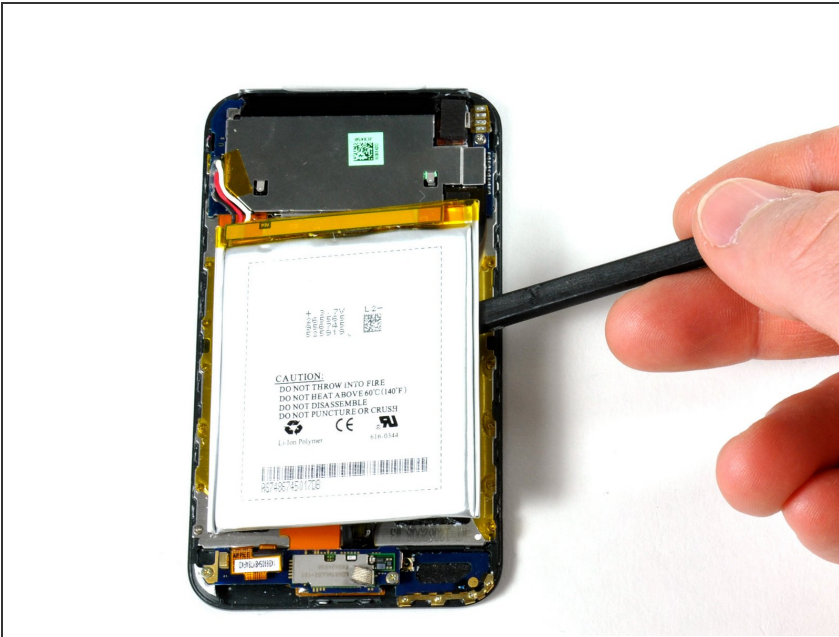
- Switch to the other side of the iPod.
- Follow the same procedure as in the previous step to release the seven clips holding the panels in place.
- Once the panels are separated on this side, the back panel can be separated from the rest of the iPod.

Step 4



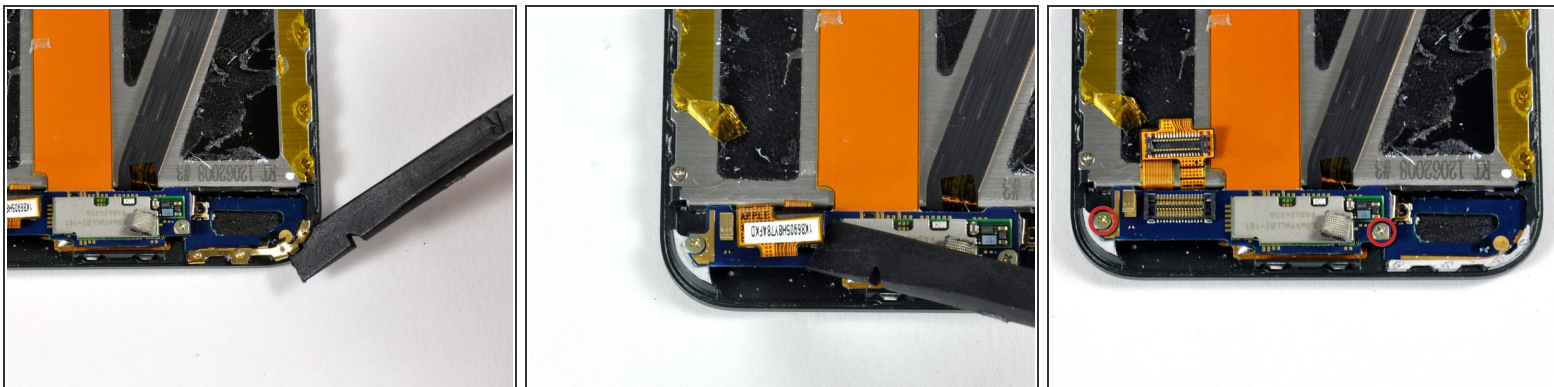
- Gently lift the rear panel using your fingers.
- The front and back of the iPod should now be completely separated.
- ⓘ The gold antenna (third picture) can easily fall out from its housing. Make sure that the antenna is securely in place before closing the iPod.

Step 5 — Logic Board



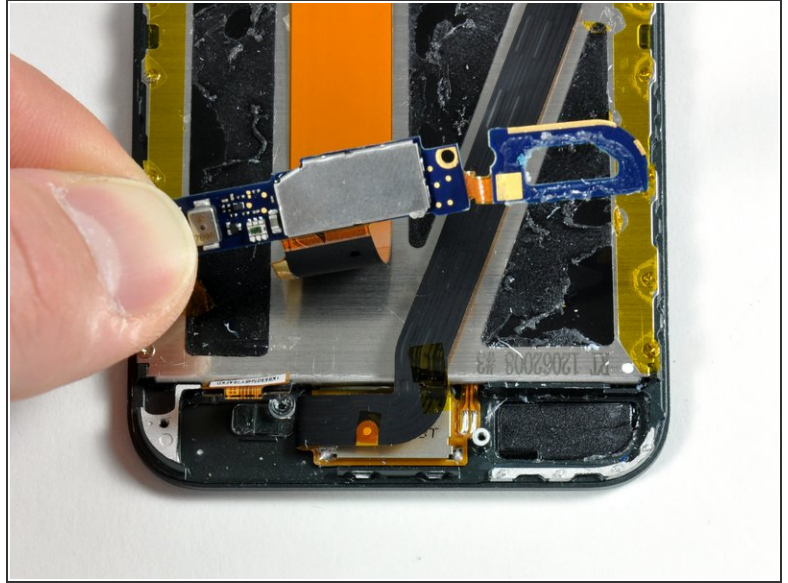
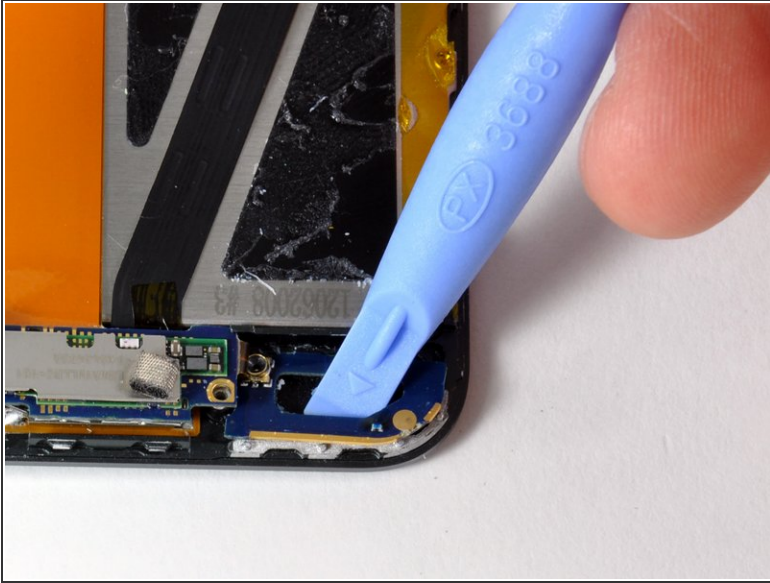
- ⓘ The battery is glued to the iPod's display, but no screws hold it in place.
- Flip the iPod 180 degrees so it matches the orientation in the picture.
- Carefully insert the spudger in between the battery and the display. There are routing cables underneath, so make sure you slowly pry the battery loose.

Step 6



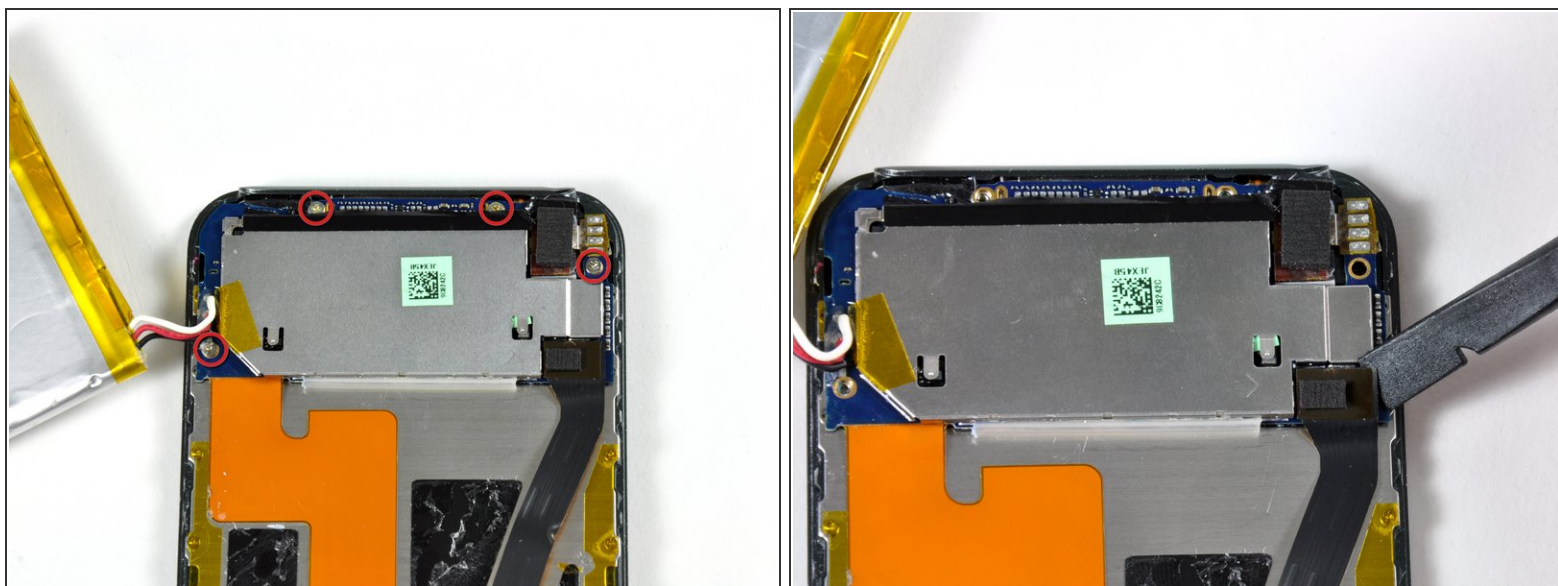
- Use a spudger (or your fingernails) to remove the gold antenna. The antenna bends easily, so make sure not to apply too much pressure. When re-assembling, put the gold antenna in place before inserting the antenna circuit boards.
- Use the spudger to remove the connector on the left side.
- Remove two Phillips screws.

Step 7



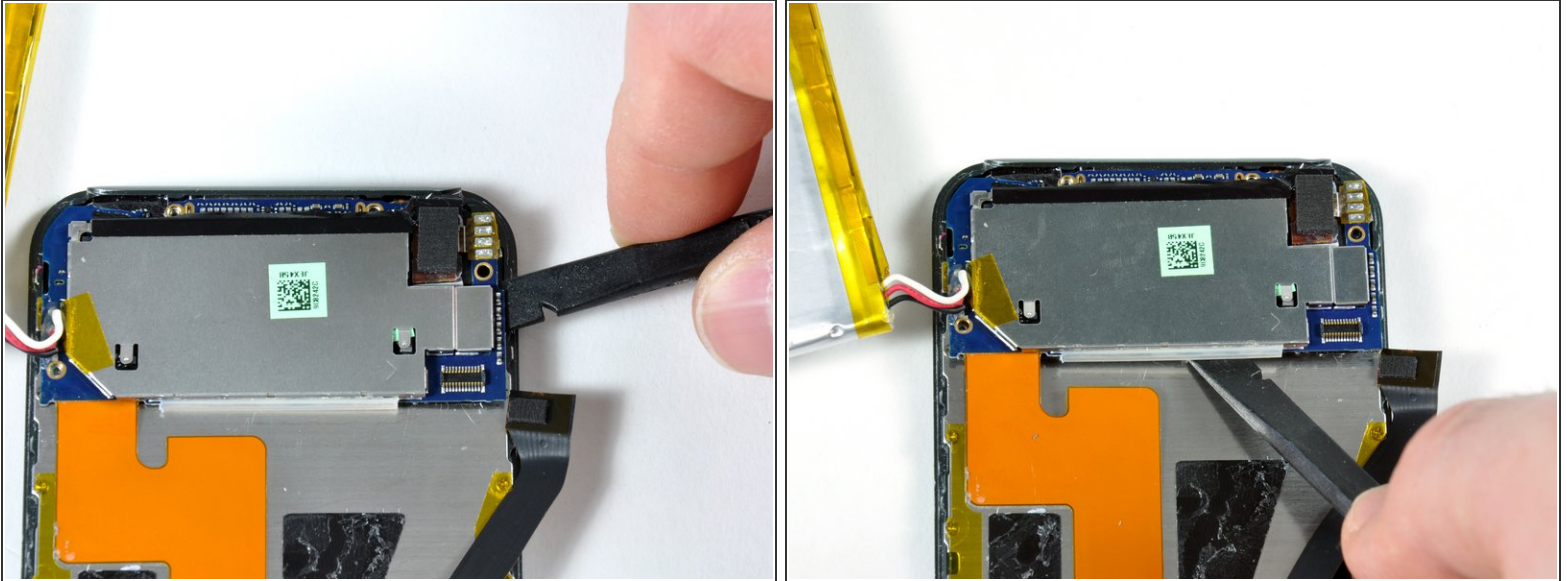
- The antenna loop board needs to be pried up (it is glued down). Gently use a plastic opening tool or spudger, to dislodge the antenna loop board. The board is connected to the antenna electronics by a small ribbon cable. This two-board assembly is very frail.
- The two small antenna circuit boards can now be lifted up together, and their orange cable can be peeled from the display.

Step 8



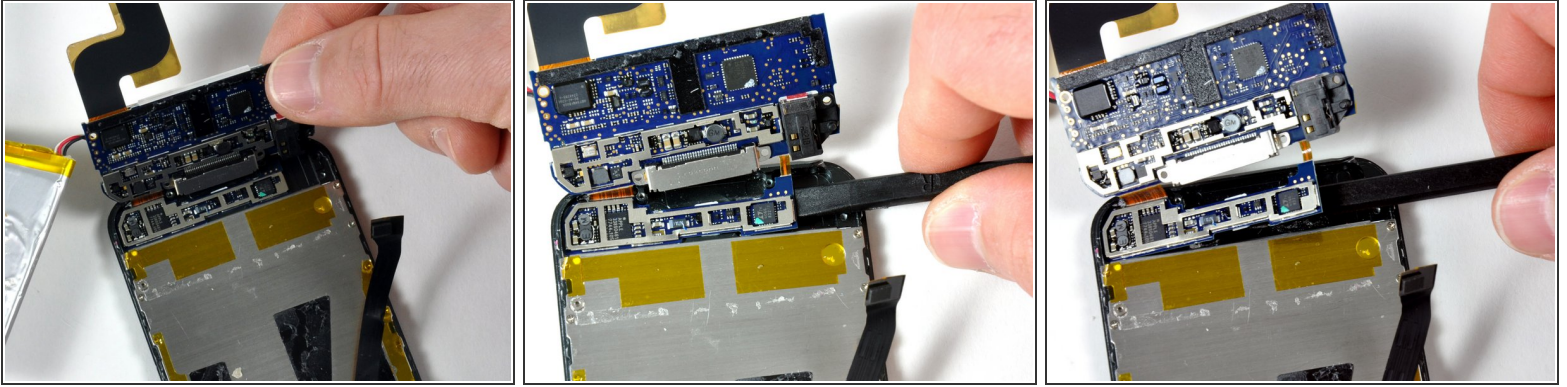
- Use the spudger to remove the black masking tape. This will reveal the top two screws in the picture.
- Unscrew the four Phillips screws.
- Use a spudger to disconnect the black connector.
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Step 9



- Use the spudger to loosen the logic board from multiple sides. It is held in place by glue and the four screws that were removed in the previous step.

Step 10



- i** Be careful when flipping up the logic board. The headphone jack and docking port are attached to the board.

 - Gently lift the logic board (and attached components) upward.
- i** The smaller portion of the logic board that resides underneath is very bendable and frail. Make sure not to pull the spudger upward when using it to detach the small board. Use only side-to-side movement.

 - Slide the spudger under the small portion of the logic board. The board should come loose once the spudger has slid almost all the way to the other side.

Step 11



- The logic board and battery can now be fully separated from the rest of the iPod.

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