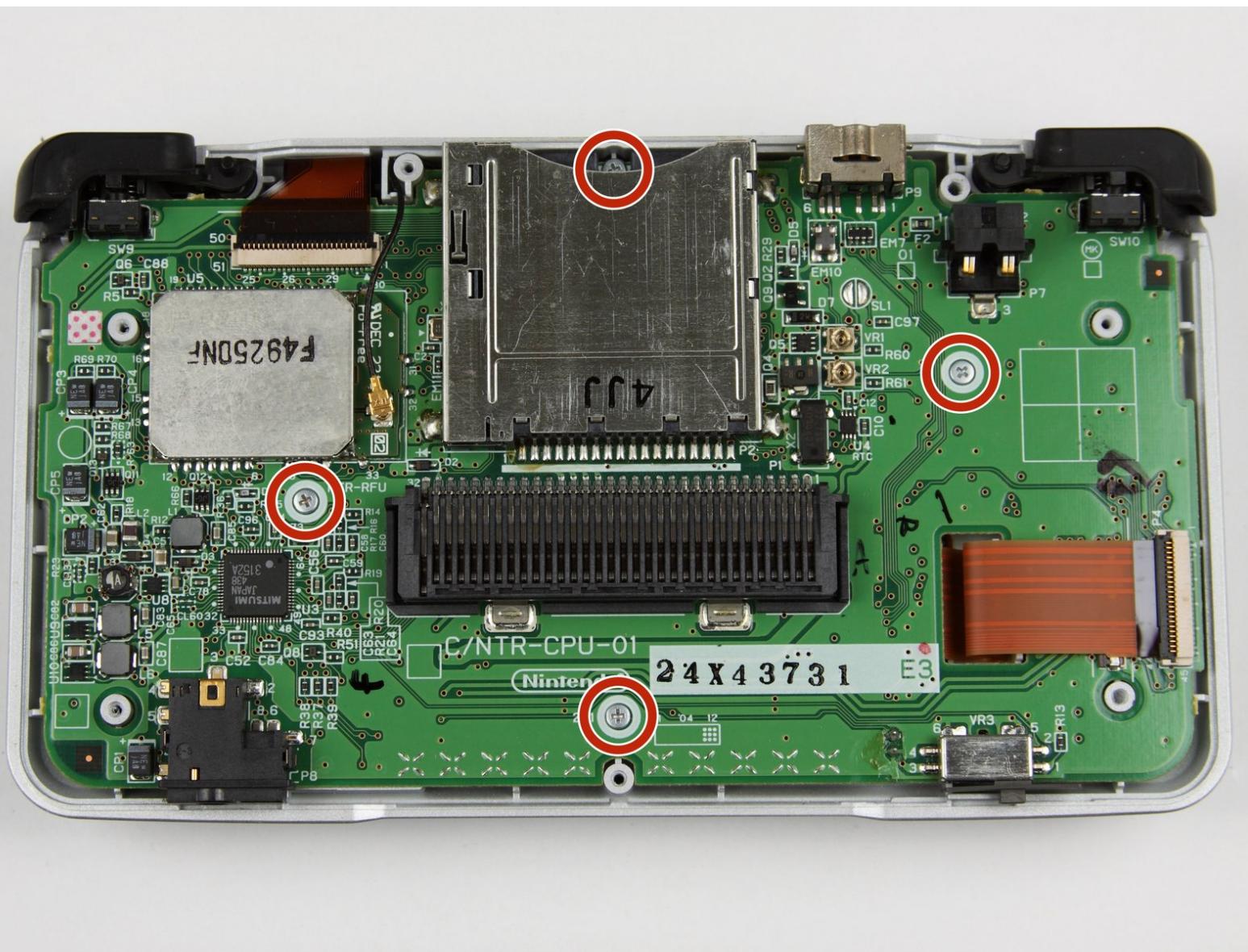




Nintendo DS Main Circuit Board Replacement

This guide will walk you through replacing the Main Circuit Board on the Nintendo DS.

Written By: kingdesmond



INTRODUCTION

The removal of the main logic board of the DS is essential to access the screens and to replace other components.

TOOLS:

- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Tri-wing Screwdriver](#) (1)
- [Tweezers](#) (1)

Step 1 — Battery



- Remove the cartridge from the console.
- Use a Phillips #00 Screwdriver to remove the screw securing the battery door to the rear case.
- Remove the battery door.

Step 2



- Use a plastic opening tool or spudger to pry out the battery from the bottom. If a plastic open tool or spudger isn't available, your fingernails may work.

Step 3



- Remove the battery from the Nintendo DS.

Step 4 — Back Panel



- Remove the seven Y0 screws located on the back.

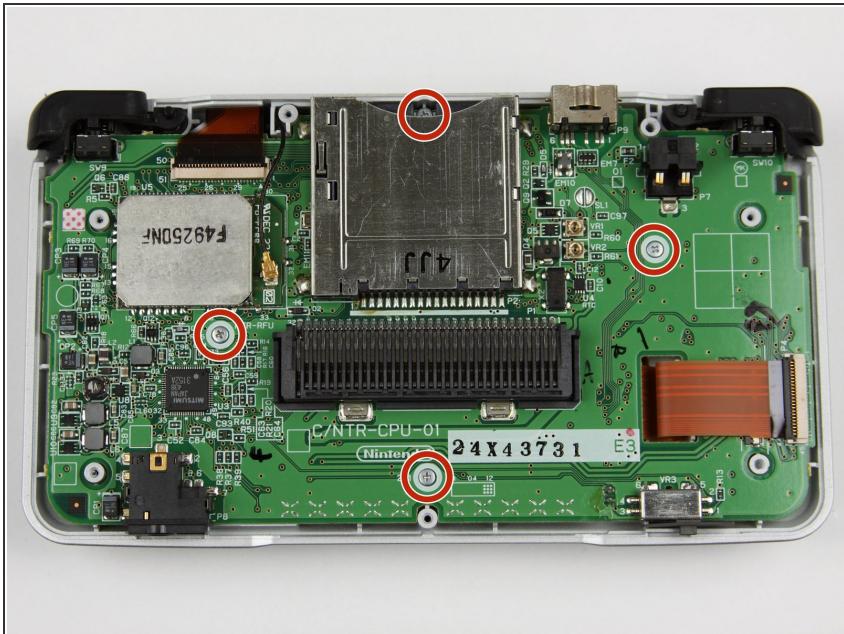
(i) It might be helpful to remove the strap from the hole to access the top left screw.

Step 5



- With your hands, pry the back panel off the main case.
- Separate the back from the front, and set it aside.

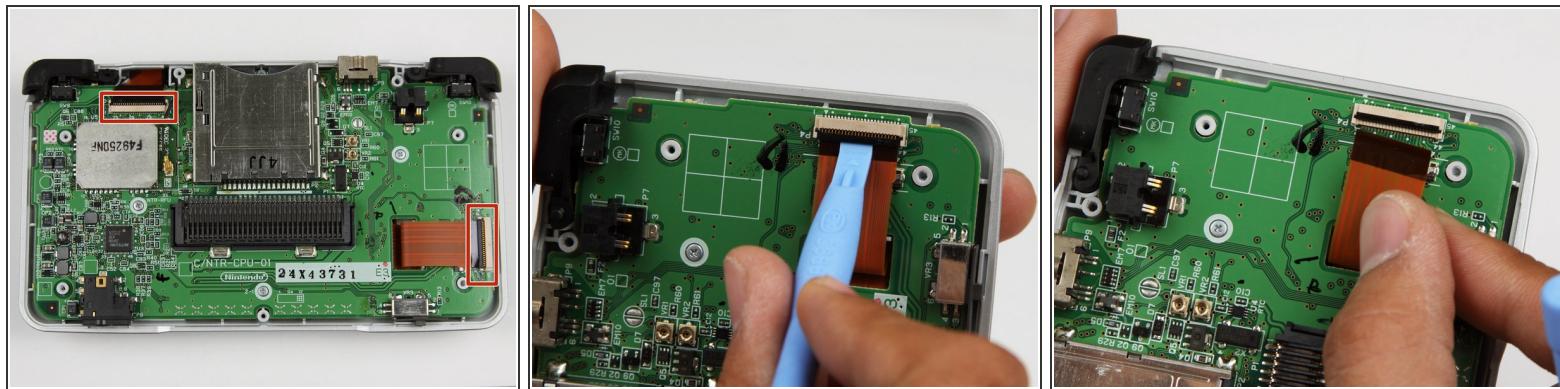
Step 6 — Main Circuit Board



- Using a Phillips #00 screwdriver, remove the four screws on the circuit board.

 Be careful NOT to slip with the screwdriver, you can damage the circuit board!

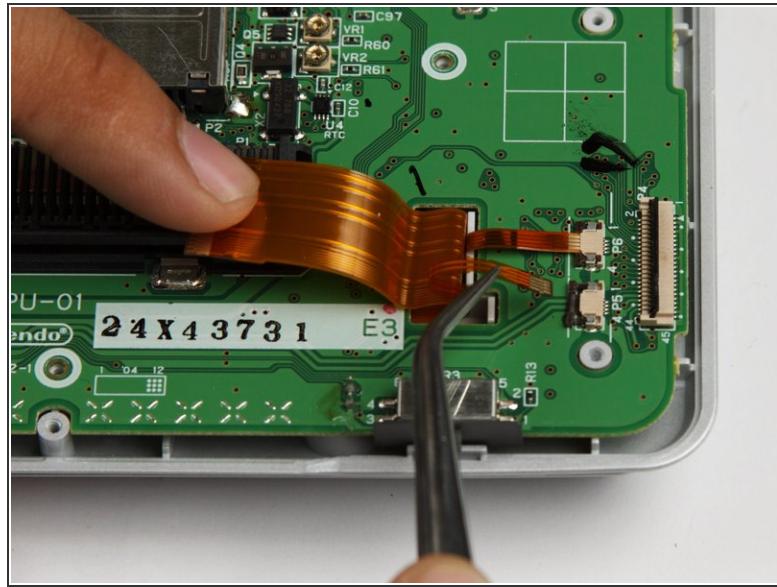
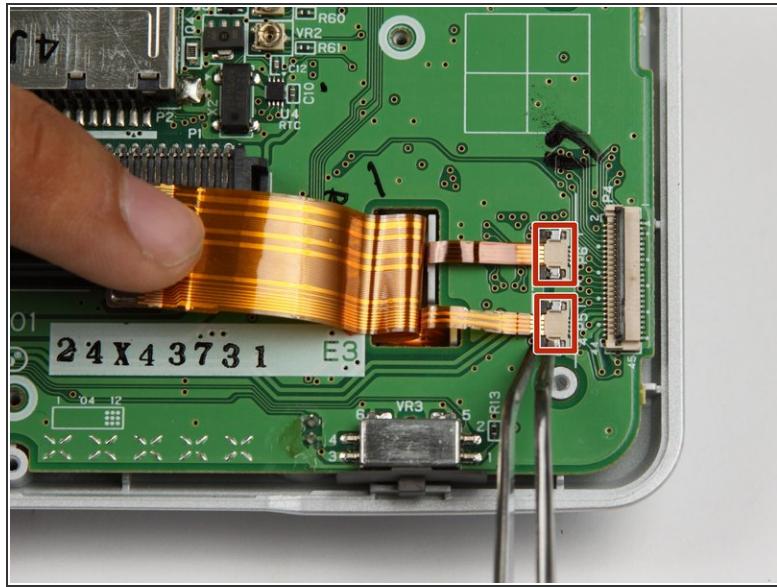
Step 7



- Unlock the two large ribbon cables by moving the black clip up.
- Carefully pull the ribbon cables down and out with your fingers.

⚠ Do not use pliers to pull the cables, as they can be damaged easily.

Step 8

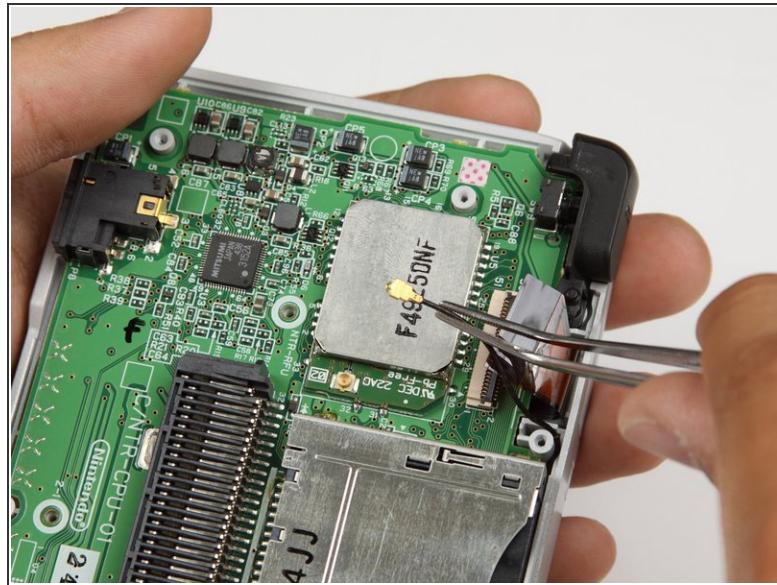
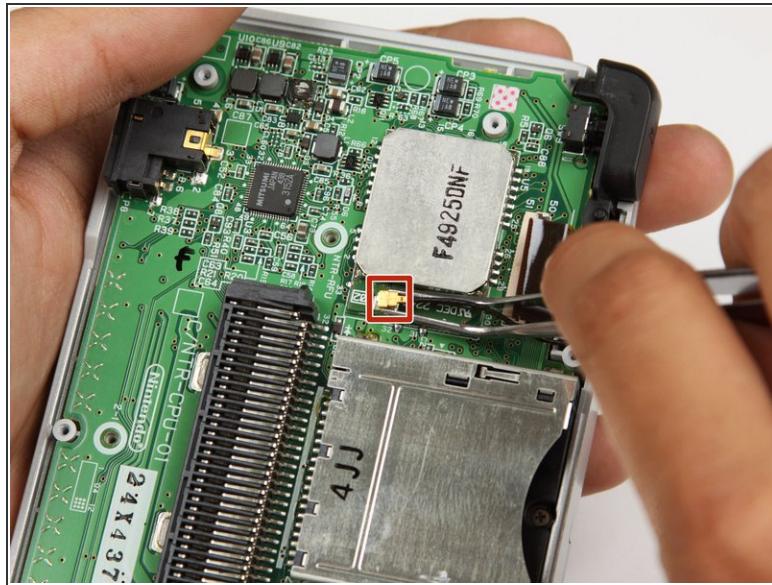


- Locate the two small ribbon cables, beneath the rightmost large ribbon cable.
- Slide the locks for the small ribbon cables down to the side, and remove the cables.

(i) It may be useful to use tweezers to remove the small ribbon cables.

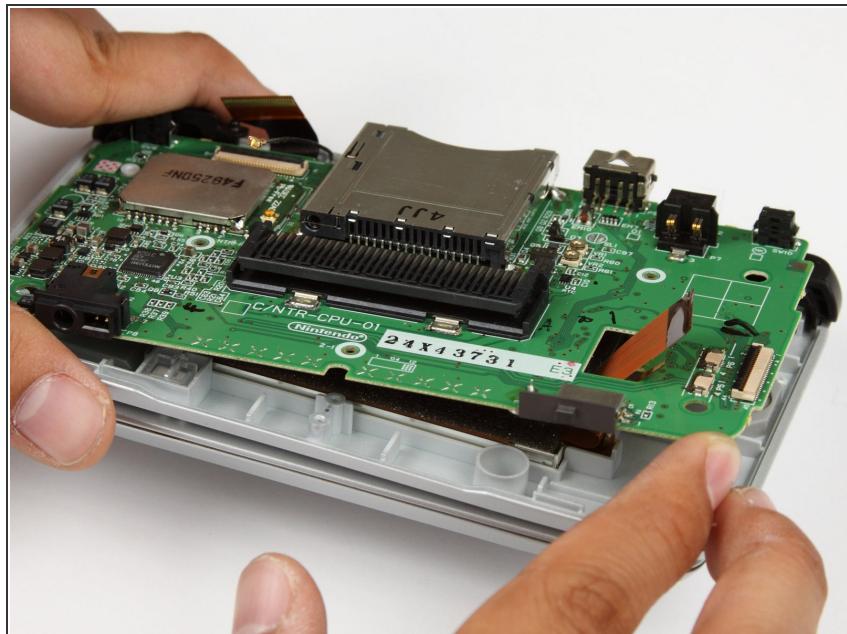
 Be careful not to damage the delicate ribbon cables.

Step 9



- Locate the WiFi antenna pigtails connector.
- Remove the antenna by grasping it at the head with tweezers. Using a slight rocking motion, pull up to dislodge the connector.

Step 10



- Feed the ribbon cables through the opening on the board.
- Pull up and remove the circuit board, and set it aside.

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