



Nintendo Game Boy Advance SP Brightness Switch Replacement

This guide provides step by step instructions on how to install a brightness switch on your Nintendo Game Boy Advance SP.

Written By: DJ Pantone



INTRODUCTION

The brightness switch is the circular button with a sun symbol engraved into it. The brightness switch is located at the top of the button panel.

TOOLS:

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

PARTS:

- [Nintendo Game Boy Advance SP Brightness Button](#) (1)

Step 1 — Removing the Battery



- Use a standard Phillips #00 screwdriver to loosen the 4mm screw that keeps the battery cover attached to the device.

Step 2



- Lift the battery cover up and remove it from the device.
- ⓘ The screw will remain attached to the battery cover because of Nintendo's design.

Step 3



- Use your fingers or a plastic opening tool to remove the battery from the device.

Step 4 — Removing the Back Cover



- Using the tri-wing screwdriver, unscrew the screws holding the back cover to the device. The six screws that need to be removed include:
 - Four #00 6.45mm tri-wing screws that are located at the corners of the device.
 - Two #00 4.6mm tri-wing screws that are located at the top-center and bottom-center of the device.

Step 5



- Lift the back cover off of the device.

Step 6 — Motherboard



- Using a Phillips #00 screwdriver, remove the three Phillips #00 4 mm long screws that hold the motherboard to the button panel.

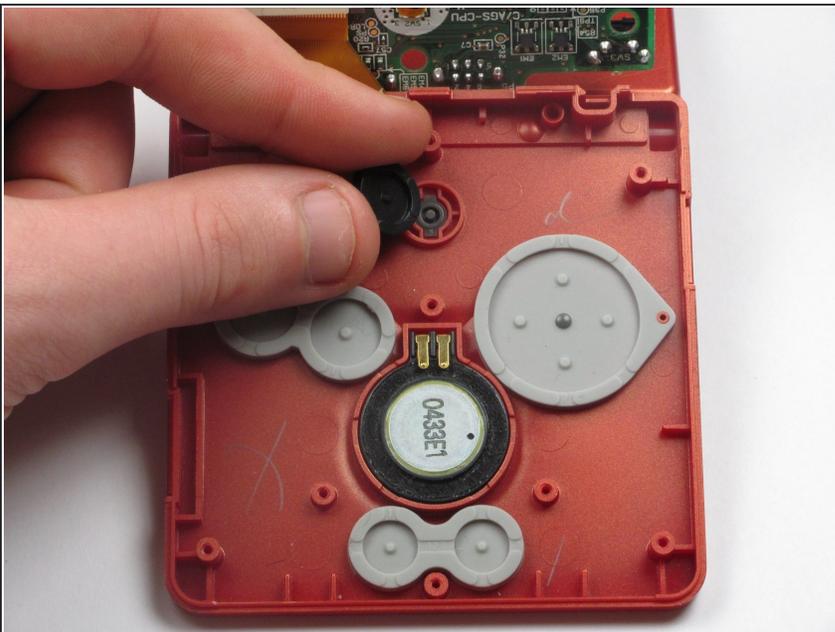
Step 7



⚠ Be careful not to tear the ribbon cable that's connected to the screen. If you tear it, games will not appear on the device's screen!

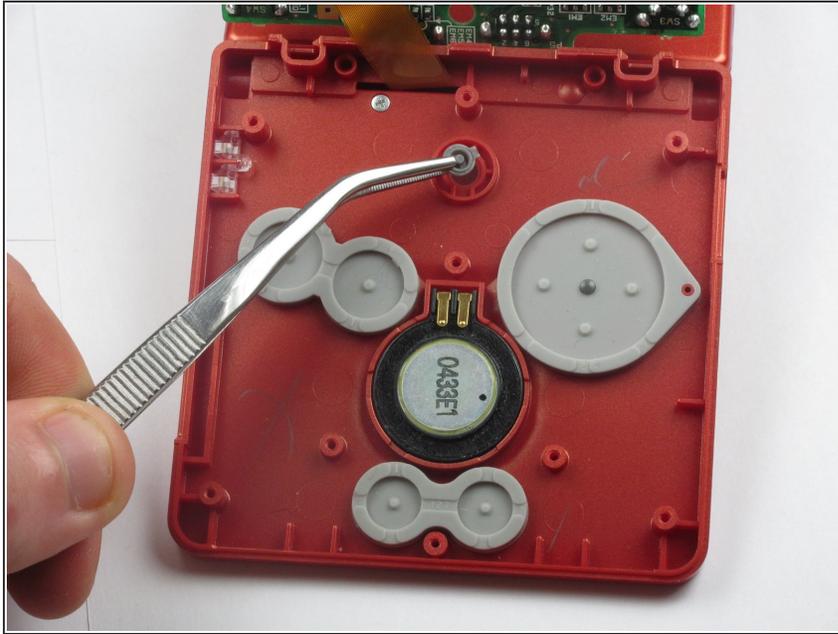
- Flip the motherboard up and rest it on the other half of the device, so that the back of the buttons are visible as seen in the picture.

Step 8 — Brightness Switch



- With your fingers, lift the track pad out off the brightness switch.
- i** Keep the track pad clean. A dirty or dusty track pad will lead to the brightness switch not working when you press it.

Step 9



- Using tweezers, lift the brightness switch out of the Game Boy Advance SP.

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