8BitDo SN30 Pro+ Controller Rumble Motors Replacement

This guide is used for the replacement of the Rumble Modules on your 8BitDo SN30 Pro+ controller.

Written By: Brian W

INTRODUCTION

This guide is used for the replacement of the Rumble Motors on your 8BitDo SN30 Pro+ controller.

This guide requires desoldering and soldering the motor wires.

TOOLS:

- T6 Torx Screwdriver (1)
- Tweezers (1)
- Phillips #1 Screwdriver (1)
- Soldering Workstation (1)

Step 1 — Remove Battery



- Place the controller face down.
- Remove the battery cover.
- Remove rechargeable battery or AA batteries.

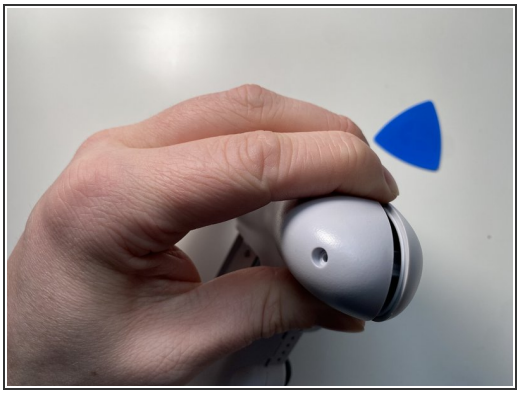
Step 2 — Remove Trigger Buttons

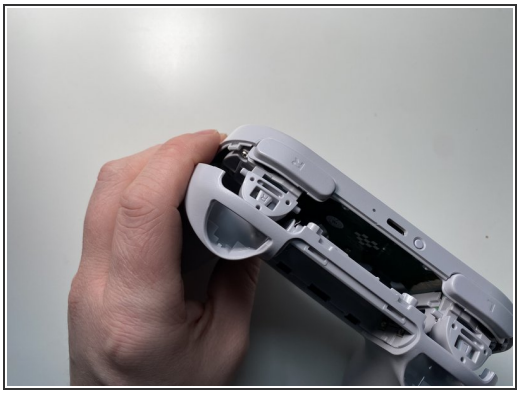

- Remove L2 and R2 trigger buttons by pushing them away from the grips.

Step 3 — Remove Screws


- Use Tweezers to uncover two screws under the label in the battery compartment.
- Use a T6 screwdriver to remove the four 7.3 mm screws securing the rear cover.

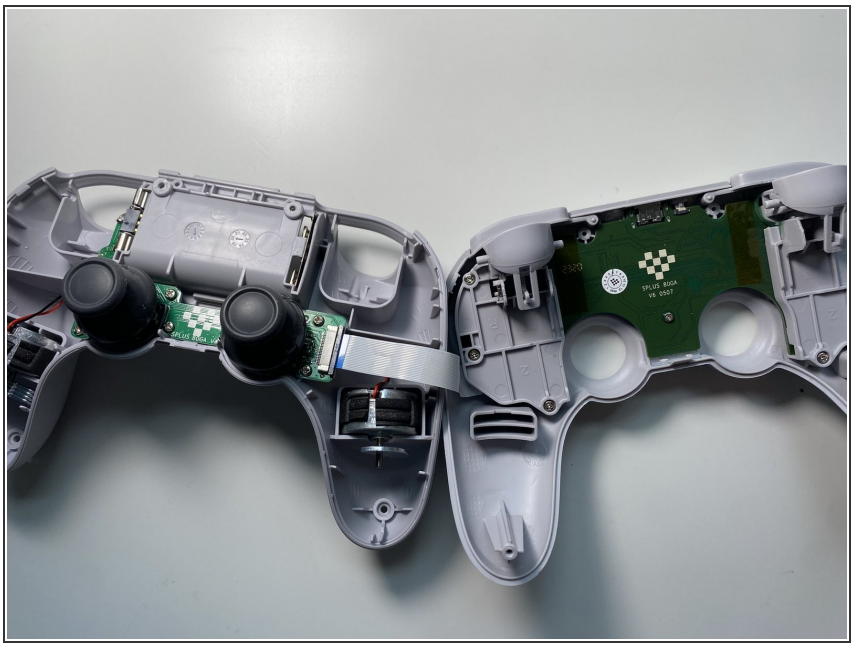
Step 4 — Unclip Covers





- At the end of each grip, pry apart the covers.
- Use fingernail or opening pick to undo the two top clips.
  - One clip next to L button.
  - One clip next to R button
- Undo the final clip between the joysticks.

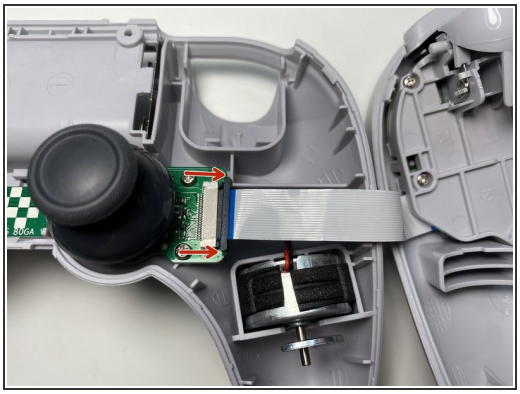
Step 5 — Separate Covers



- Carefully move the rear cover away and from the front cover. Place it to the left.

⚠ Do not completely separate. The two halves are still attached via a white ribbon cable.

Step 6 — Remove Ribbon Cable

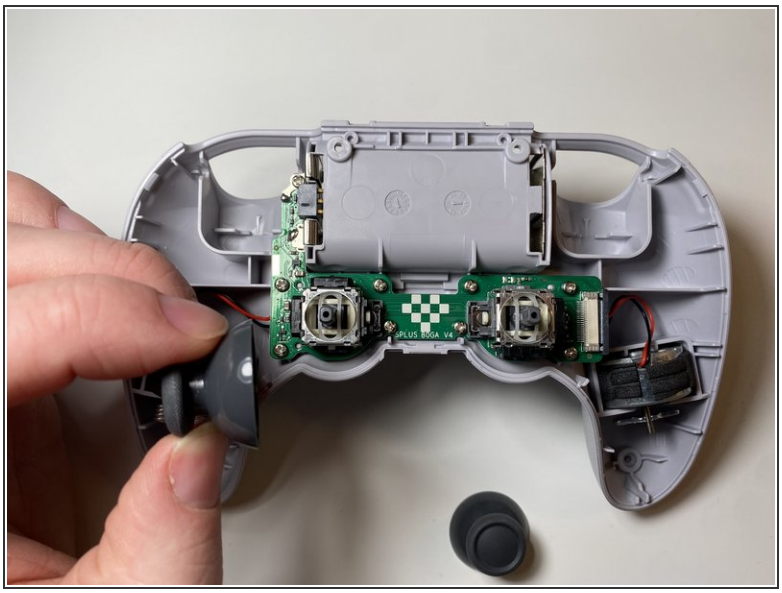


- Unlock the ribbon cable by push open the black plastic tab.

ⓘ The tab will slide about 1.5mm

- Pull the ribbon cable out of the connector in the direction of the cable.

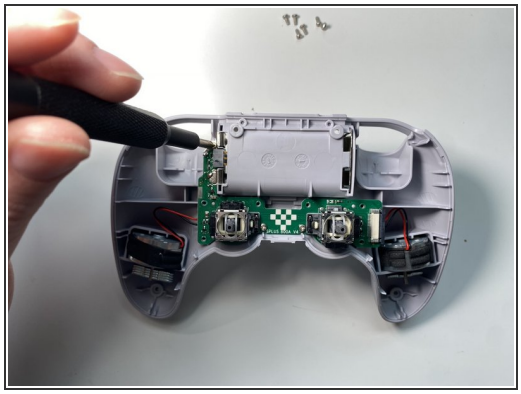
Step 7 — Remove Caps

- Grab the top and pull straight up on the joystick cap. Pulling out the caps one-by-one.

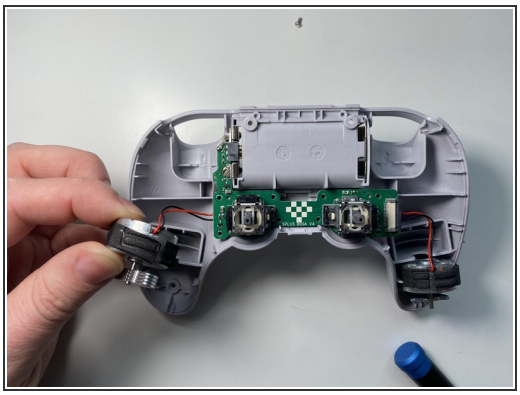
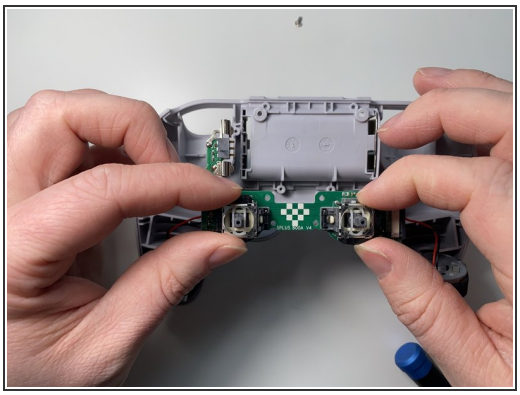
Step 8 — Remove Screws





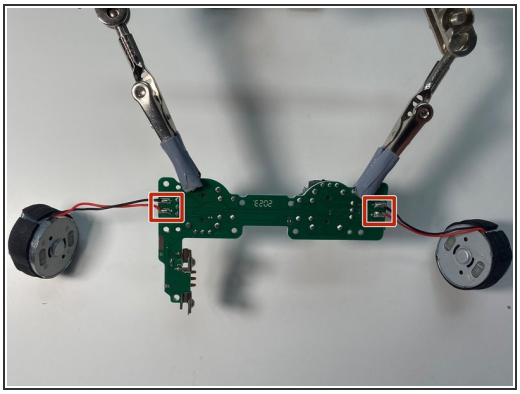
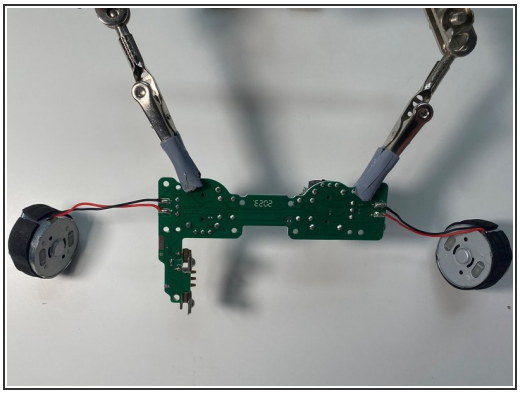
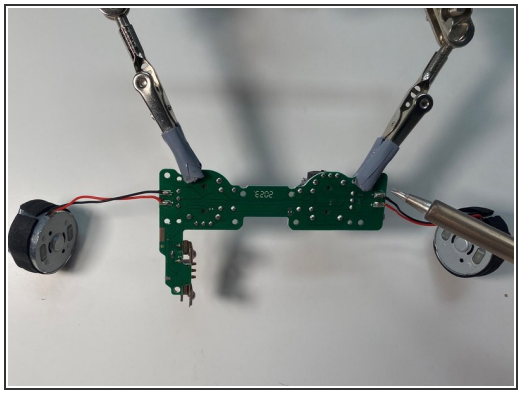
- Use a Phillips screwdriver to remove the nine 5.2 mm screws securing the rear circuit board.
  - Four around the Right stick
  - Four around the Left stick
  - One next to the Battery connector

Step 9 — Separate Rear Board


- Pull the two rumble motors out of their housings.
- Grab the analog sticks to pull out the circuit board

Step 10 — Desolder Rumble Motors

- Flip over the rear board
- Using a soldering iron to desolder the rumble motor wires.

During reassembly, remember to solder the wires back into the same position.

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