



Xbox One Elite Controller (Model 1698) Rumble Motor Replacement

A guide that helps you replace the rumble motors on the Xbox One Elite Controller.

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INTRODUCTION

If your Xbox One Elite Controller is not vibrating, your rumble motors might be disconnected or defective. Here are instructions to help you replace your rumble motors. Use the [Soldering Iron Guide](#) to attach the wires of the new rumble motor to the motherboard.

TOOLS:

- iFixit Opening Tools (1)
- Soldering Tweezers (1)
- Soldering Iron (1)
- Desoldering Braid (1)
- Solder (1)
- TR8 Torx Security Screwdriver (1)

PARTS:

- Xbox One Elite Rumble Motors (1)

Step 1 — Battery



- Turn over the controller so that the buttons face down.
- ⚠ Be gentle when removing the cover so you do not break the small plastic tabs holding the cover to the controller.
- Remove the battery cover carefully by sliding the cover up in the direction of the arrow.

Step 2



- Remove the two batteries AA batteries by lifting them from one end and pulling them out.

Step 3 — Rumble Motor



⚠ Be careful not to break the plastic tabs, that hold each grip cover to the back of the controller.

- Remove each grip by inserting the plastic opening tool near the top of the controller.
- Guide the plastic opening tool along the entire seam and gently separate the grip from the controller in a prying motion as you go.

Step 4



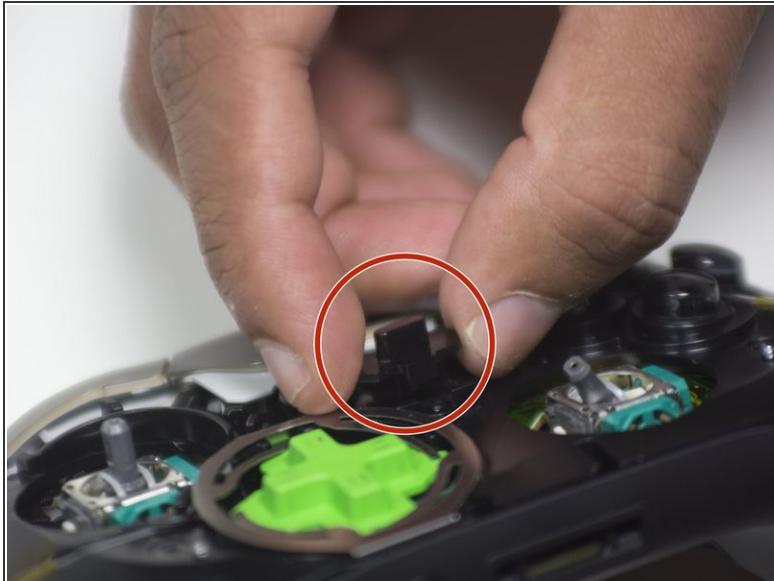
- Remove the five 2.3 mm screws with the T8 Torx screwdriver.
 - Four of the screws are located at the bottom tip of each grip and at the top of each grip, near the triggers of the controller.
 - The last screw is located in the center of the battery tray beneath a sticker.
- Use a T8 Torx Screwdriver to puncture the sticker and remove the final screw.

Step 5



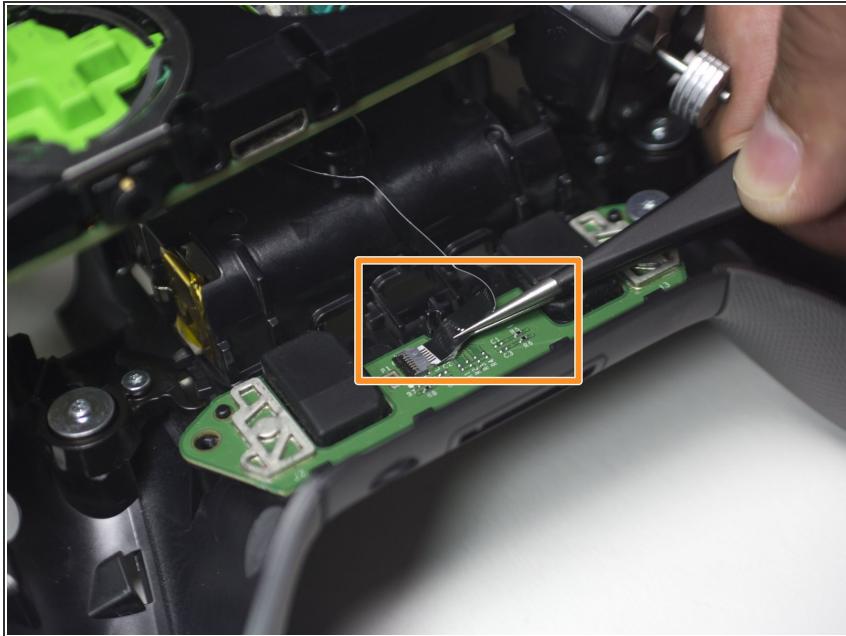
- Flip the controller so that the buttons are face up to prevent the vibration motors from falling out of the controller.
- Remove the D-pad by lifting the bottom and pulling it up.
- Remove the entire plastic faceplate by pulling it up gently.
- Remove the thumbsticks by pulling them off from the top.

Step 6



- Remove the small black mode switch from the front of the controller.
- *(i)* The backplate gets a little stuck on the port at the bottom so you may have to use a prying motion to remove.
- **⚠** Be careful in the next step when pulling the main assembly apart from the backplate. There is a ribbon cable that connects the two parts that must stay in tact.
- Remove the backplate from the main assembly by pulling them apart.

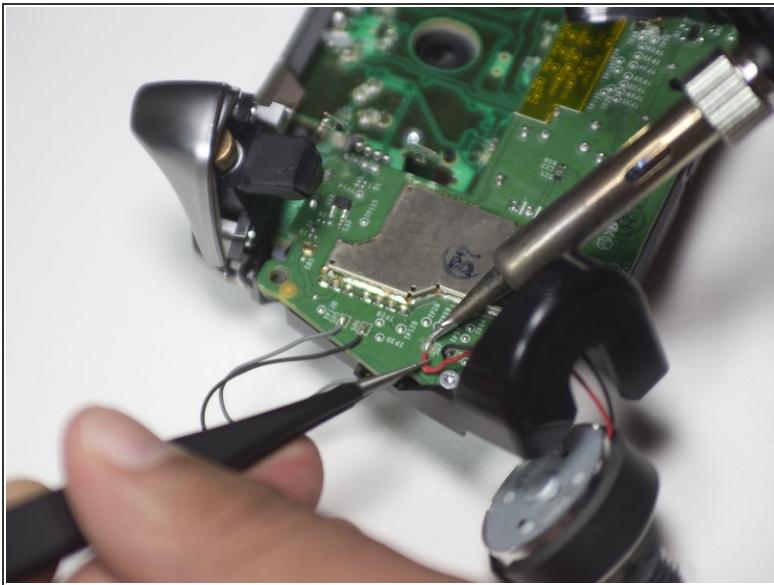
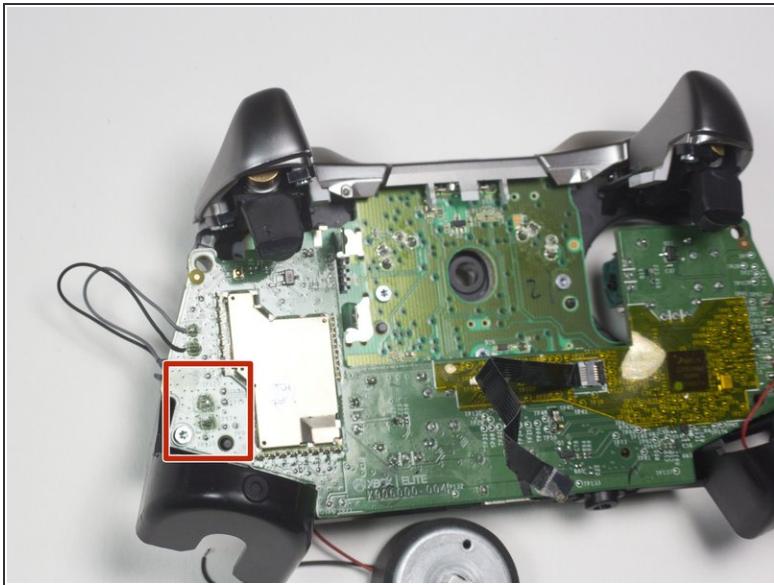
Step 7



⚠ The small ribbon cable connects the back cover to the internals of the controller.

- Use tweezers to unplug the ribbon cable on the side closest to the back cover by pulling the cable parallel to the surface of the circuit board.

Step 8



- Mark each motor according to where it attaches. The rumble motors are different so they will not work if you switch them.
- Take note of where the red and black motor wires attach because they should be reattached in the same order.
- Turn over the controller so that the thumbsticks are facing down.
- Use tweezers and a soldering iron ([Soldering Iron Guide](#)) to remove the black and red wires from the motherboard.

(i) This will release the rumble motor from the controller assembly.

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