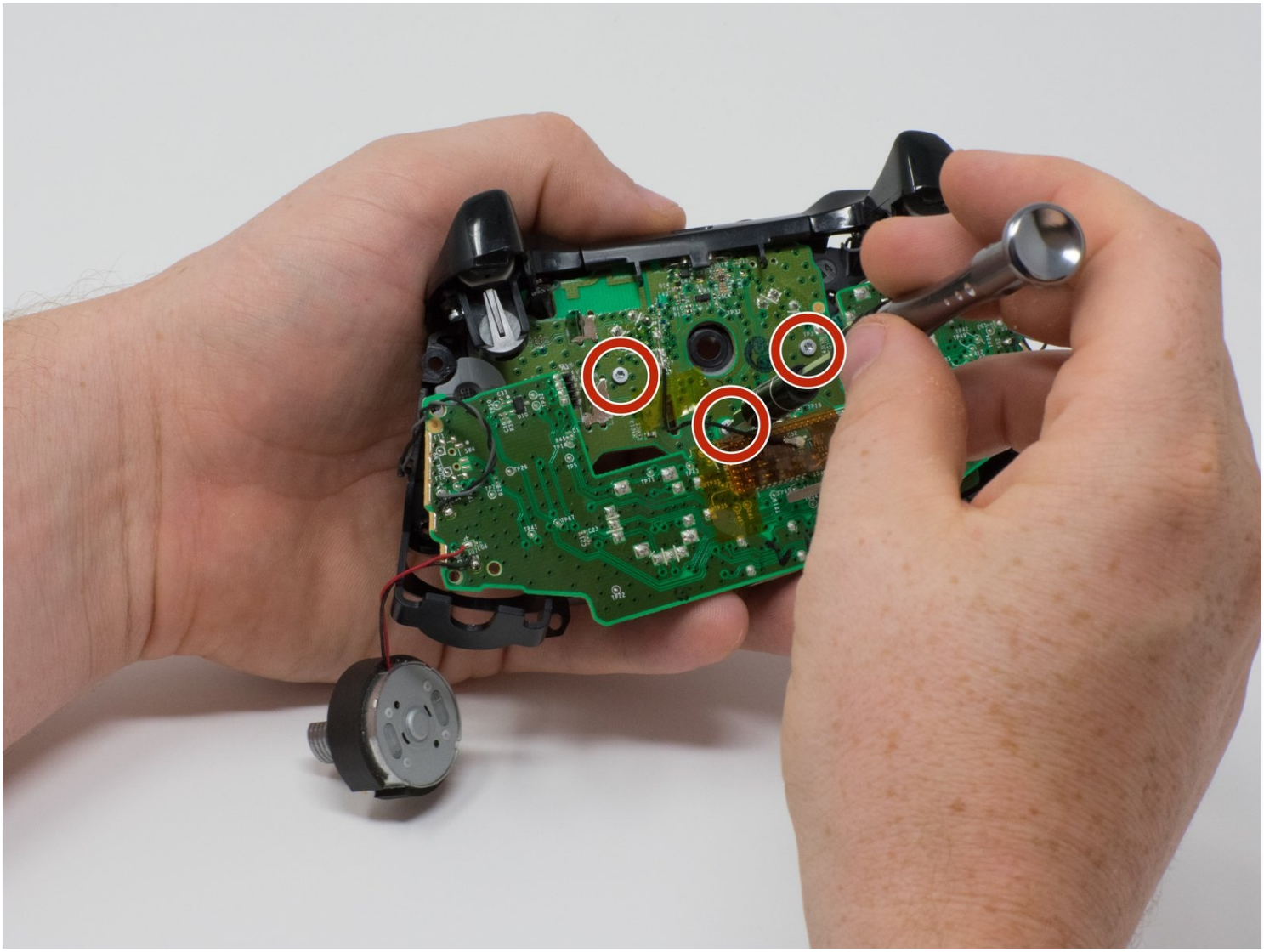
Xbox One Wireless Controller Model 1708 Bottom Motherboard Replacement

The Bottom Motherboard on your Xbox Controller...

Written By: Jesse Wilson



INTRODUCTION

The Bottom Motherboard on your Xbox Controller may need to be replaced if the controller is not working. Complete removal will require soldering. The link to the soldering guide is included to help you. This guide will show you how to access the bottom motherboard on your Xbox One Wireless Controller Model 1708.

TOOLS:

Tweezers (1)
T6 Torx Screwdriver (1)
iFixit Opening Tool (1)
TR9 Torx Security Screwdriver (1)

PARTS:

Xbox One S Controller (1708) Motherboard (1)

Step 1 — Cover Plate

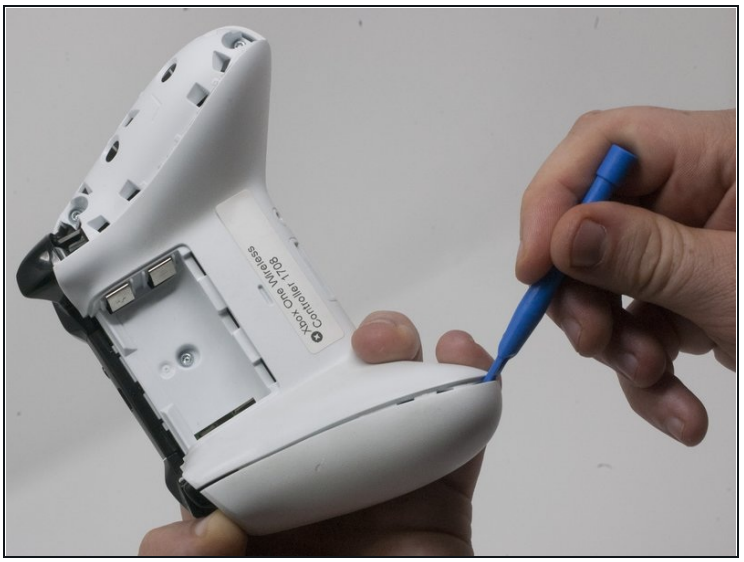




- Slide the battery cover toward the top of the controller to remove it.
- Lift up the batteries or the battery pack from the battery compartment.

Step 2





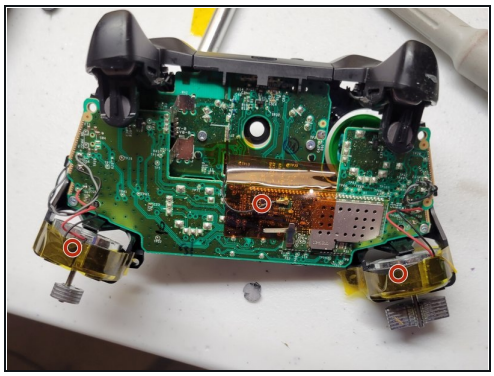
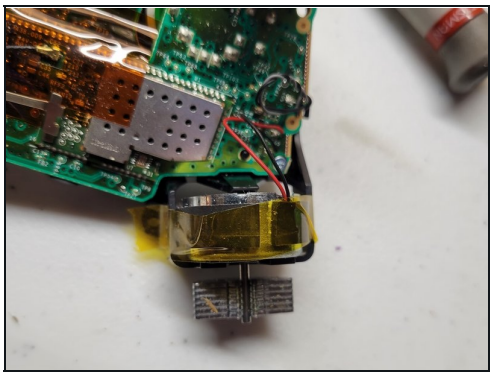
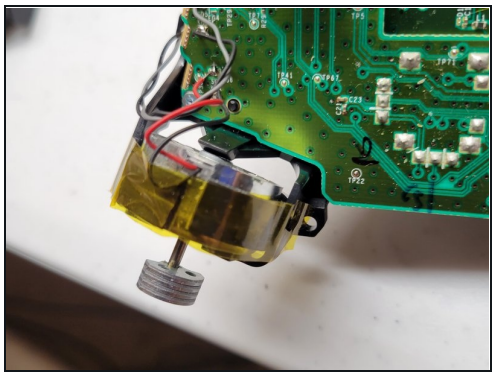
- Insert a plastic opening tool into the top seam, and gently work the opening tool to the bottom of the controller.
- Continue using the opening tool to gently pry the side plate off of the controller.
- Repeat this process for the second side plate.

Step 3



- Gently peel the battery label or punch a hole in the center of the sticker in the battery compartment to reveal the hidden screw.
- Remove the five 9mm torx-9 security screws from the back of the controller.

Step 4 — Tape Shock Motors in place

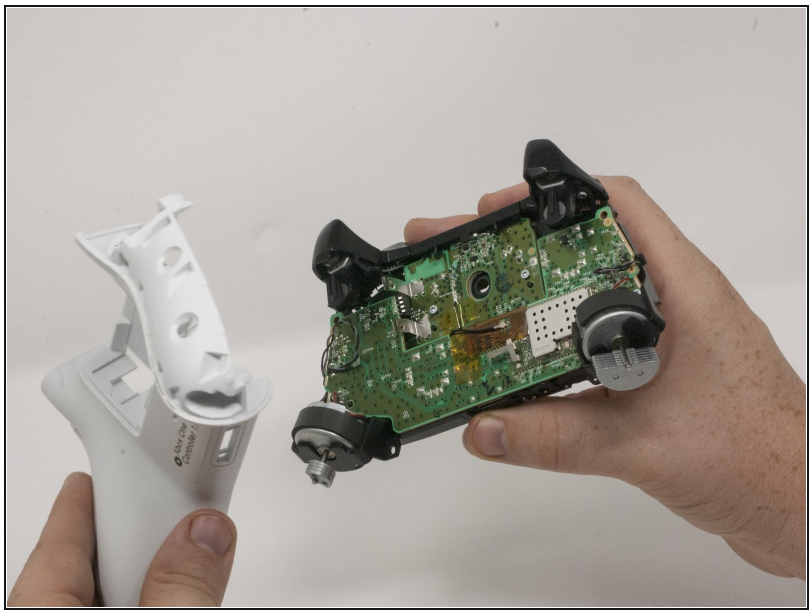
- Tape the Rumbler/shock motors in place.
- This will prevent the motors from falling out.

Step 5




- Orient the controller so the front plate is facing up.
- Lift the front cover off of the controller.

Step 6



- Turn the controller face down and gently lift the rear plate.

⚠ Be careful with the rumble motors, as they tend to fall out, risking damage to the motherboard.

Step 7 — Directional Pad



- Turn the device over and remove the directional pad by gently pulling it away from the controller.

Step 8 — Joystick Caps



- Pull the joysticks off of the controller.

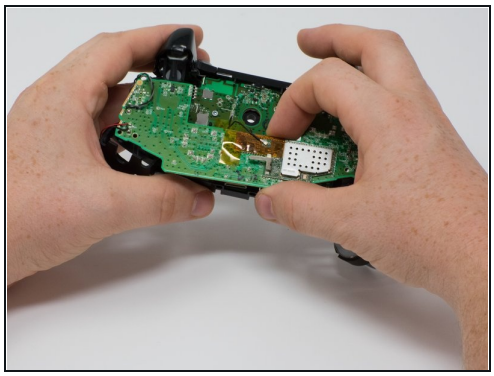
Step 9 — Top Motherboard

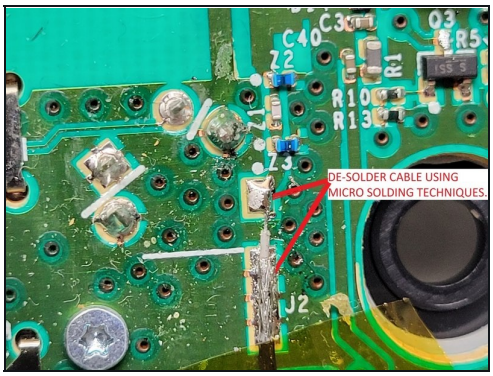


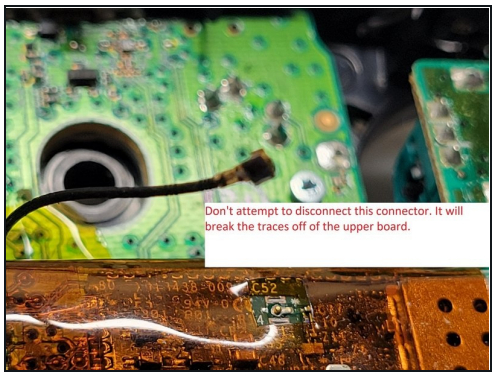
⚠ If the rumble motors fall out of frame, the wires may disconnect from the motherboard . The wires will have to be soldered to reattach the motor.

- Turn the device over and remove the two 7mm torx-6 screws in the bottom left and right corners.

Step 10 — De-soldering required







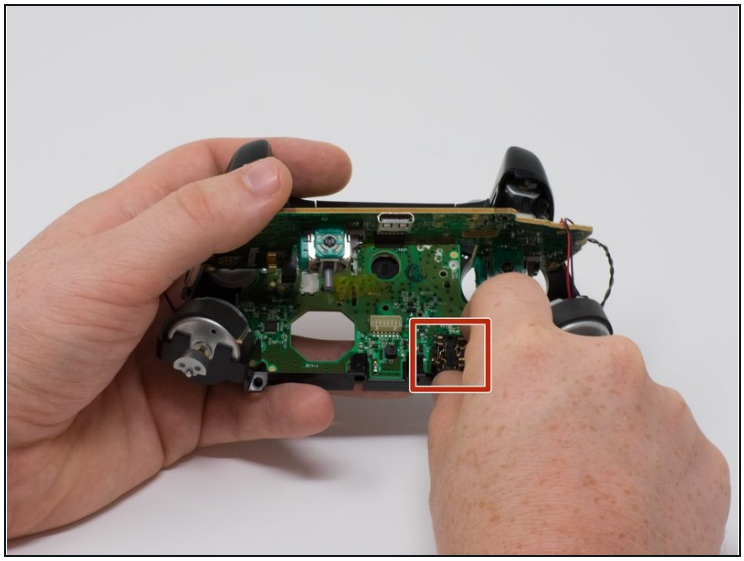
- Firmly grasp the top and bottom motherboards in opposite hands, then gently pull them apart.

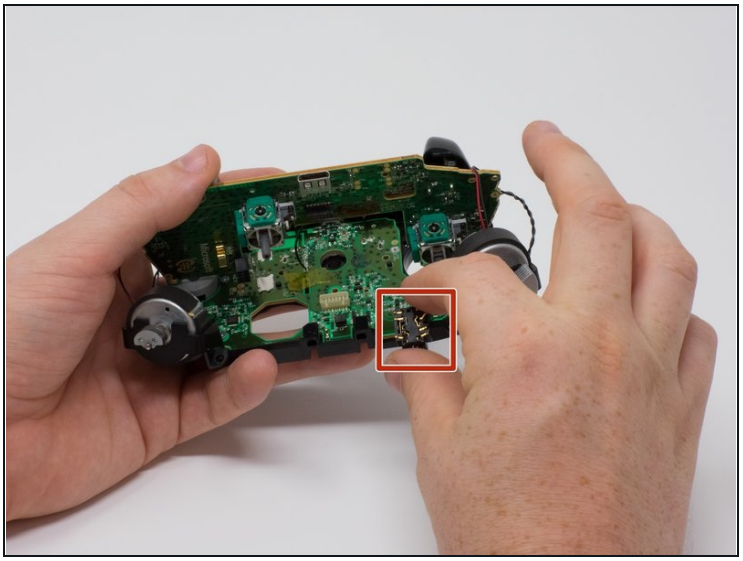
ⓘ The top motherboard is still connected to the bottom motherboard. To fully separate the top motherboard, you will need to use a soldering iron.

⚠ Warning: Do not attempt to disconnect the shielded (gold colored) connector as it is extremely fragile you will break it. It runs between the two boards.

⚠ De-solder the shielded cable from the lower board instead of attempting to disconnect the connector. De-solder using micro soldering techniquest.

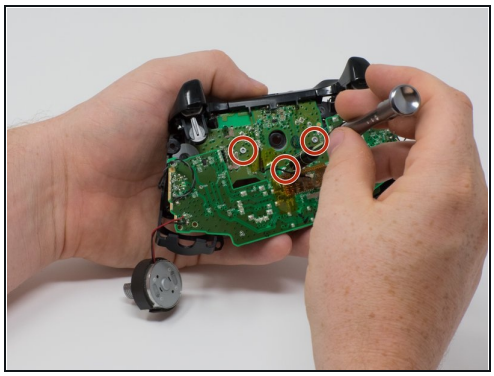
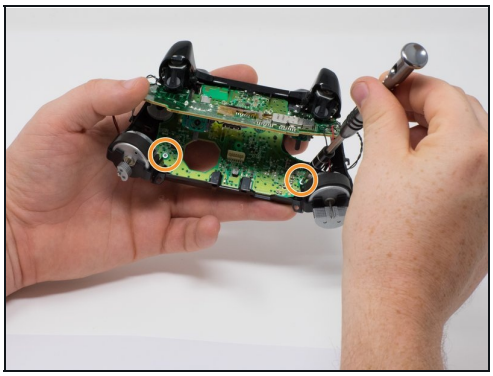
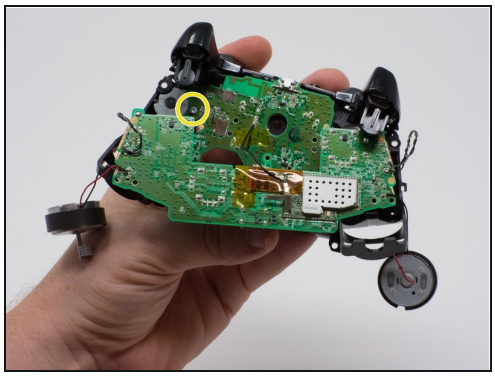
Step 11 — 3.5 mm Audio Port





- Remove the audio port from the bottom mother board.

Step 12 — Bottom Motherboard

- Remove the three 70mm torx-6 screws from the center of the bottom motherboard.
- Remove the two 70mm torx-6 screws next to the rumble motors on the bottom motherboard.
- Remove the one 70mm torx-6 screw located on the left side of the bottom motherboard.

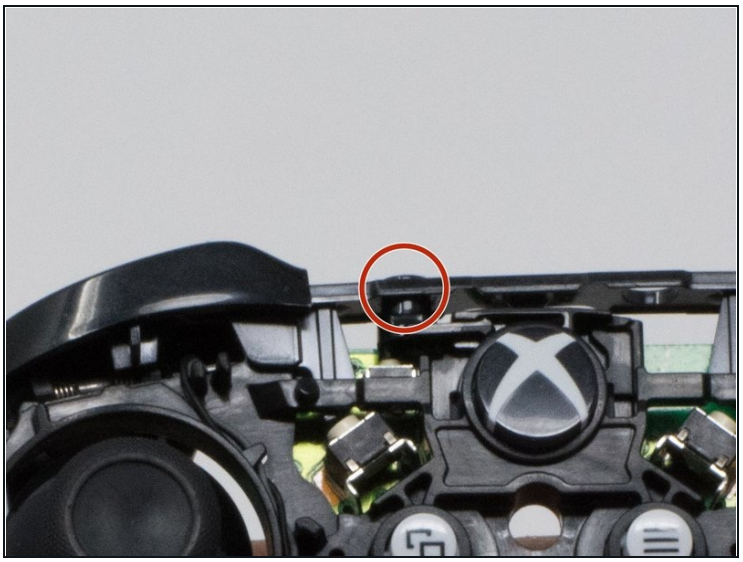
Step 13



- Use a plastic spudger to lift the plastic clip off the front pegs.
- Remove the plastic clip by sliding it upwards.

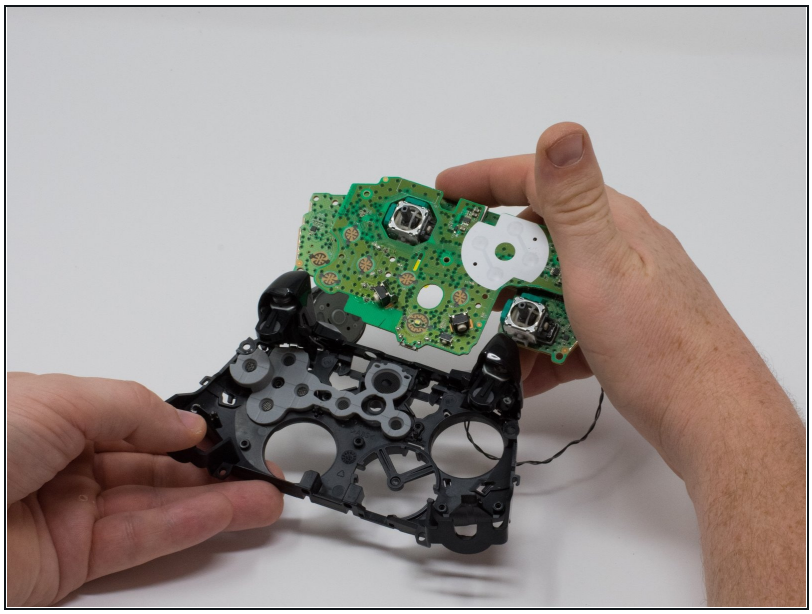
Step 14





- Use a spudger to release the small hooks at each end of the left and right bumper.
- After you release these hooks, be careful as you separate the face plate from the back of the controller. The connect/sync button (see second image) is held in by this face plate and will come loose as you perform this step.

Step 15



- To avoid disconnecting the wires connected to the motherboard, lift the mother board away from the plastic frame as if opening a laptop.

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