

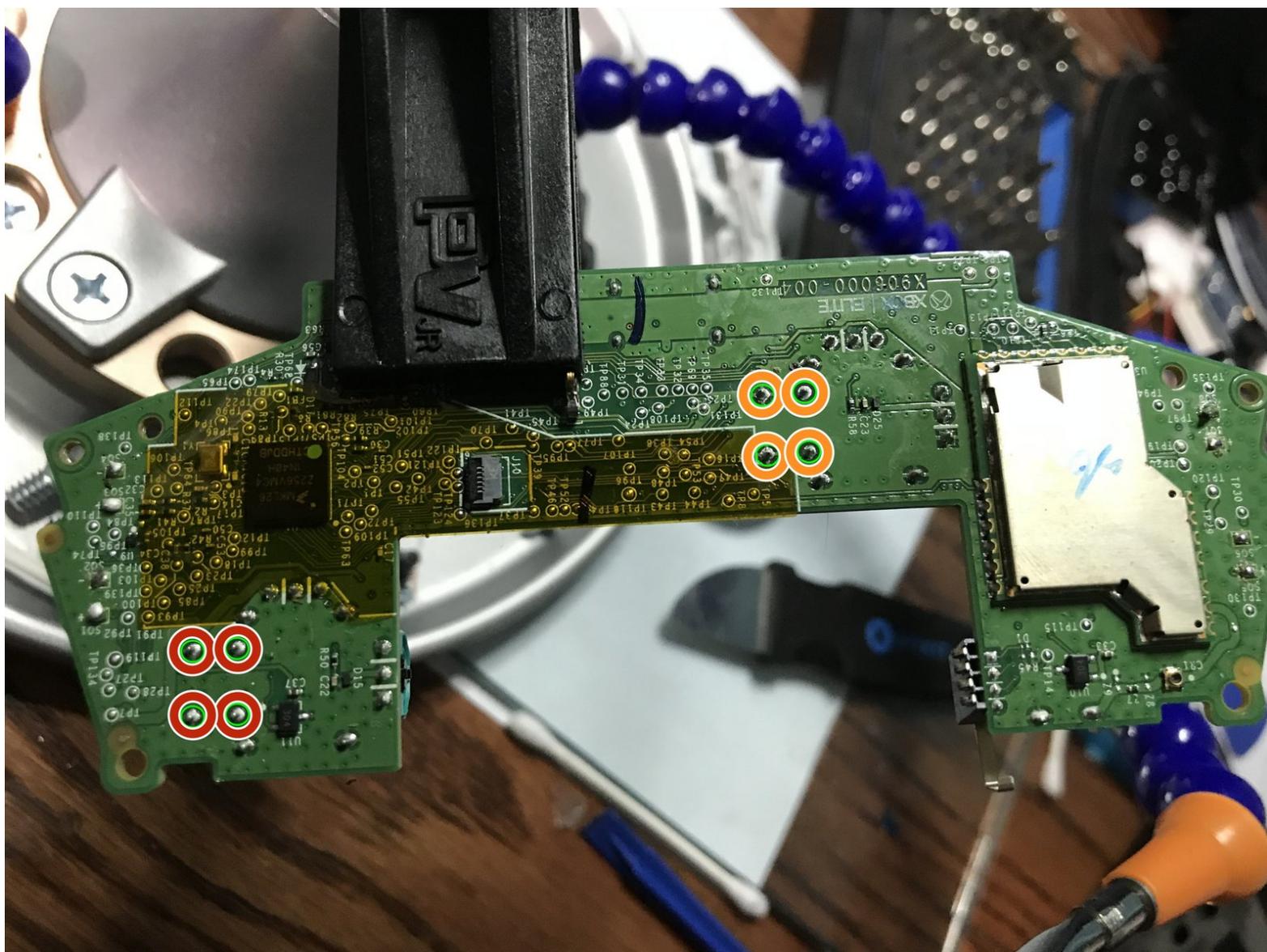


Xbox One Elite Controller (Model 1698)

Joystick Potentiometer Replacement

Resolves controller drift and not being able to do max turn/run speed. Resolves joystick click not working

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 **TOOLS:**

- [Soldering Workstation](#) (1)
- [iFixit Opening Tool](#) (1)
- [T6 Torx Screwdriver](#) (1)
- [TR8 Torx Security Screwdriver](#) (1)
- [Lead-Free Solder](#) (1)
- [Desoldering Braid](#) (1)

 **PARTS:**

- [PlayStation 4/Xbox One Controller Joystick](#) (1)

Step 1 — Show me the Screws!



- You can remove the side panels with a pry tool.
- ⓘ You don't need to remove the rubber. The rubber on this controller was already bad

Step 2 — Removing the back panel screws



- Remove the 5 Torx Security Bit (TR9) screws

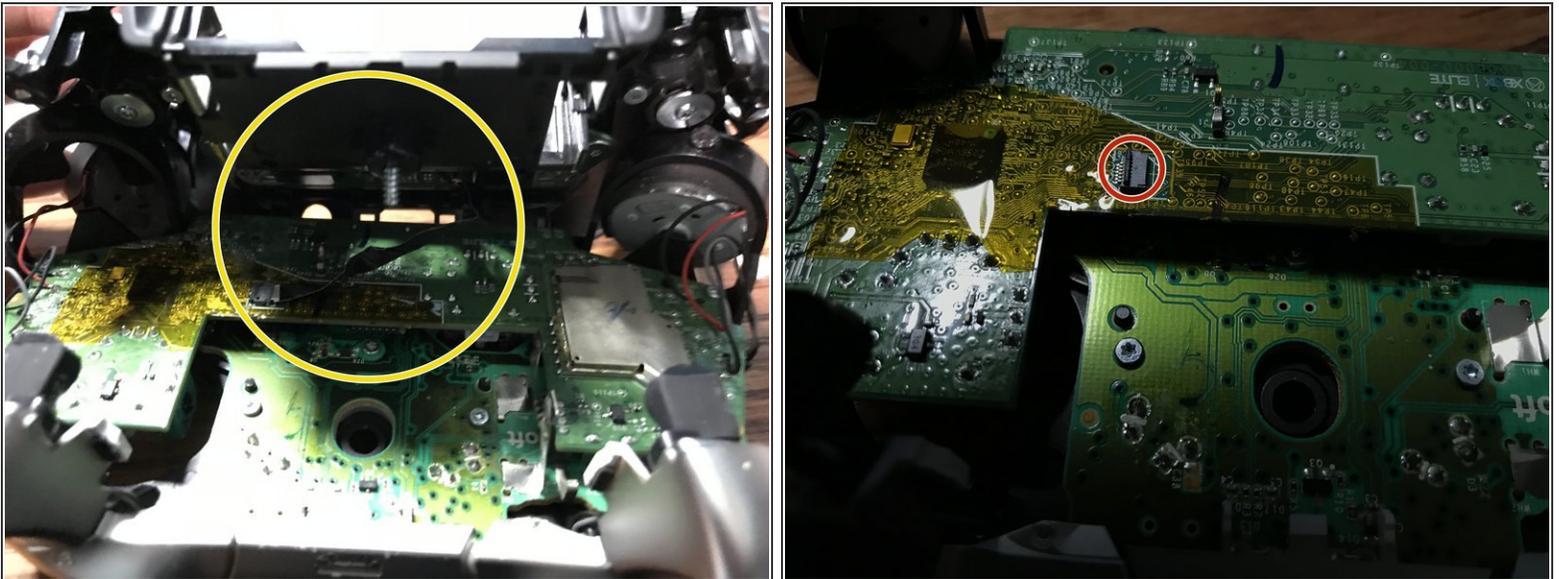
Step 3 — Popping that back panel off



- Pry the panel next to the 3.5mm port

⚠ Be careful to not rip the ribbon shown in the next step

Step 4 — Warning Carefully remove the ribbon



⚠ Be careful to not rip the ribbon cable

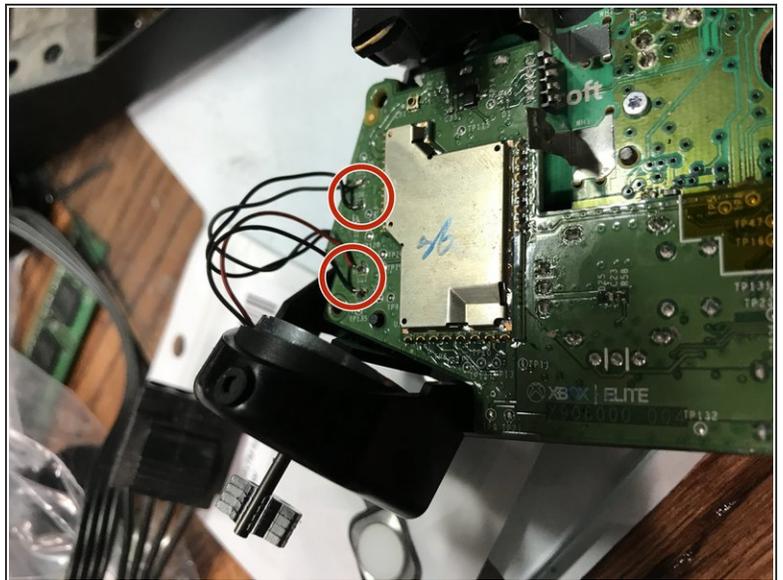
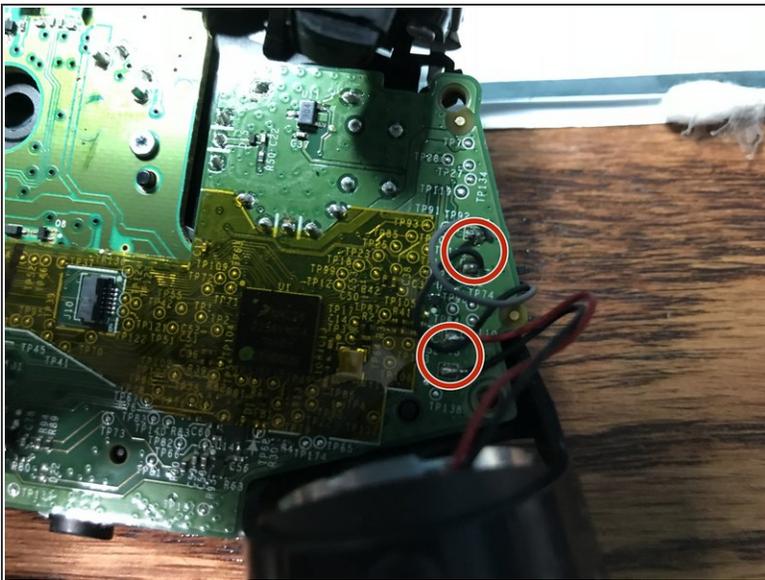
- You can pop the connector up to remove the ribbon easily
- Ribbon Cable

Step 5 — Screws on controller motherboard



- Remove the 2 Torx (T6) screws

Step 6 — Desolder wires from motherboard



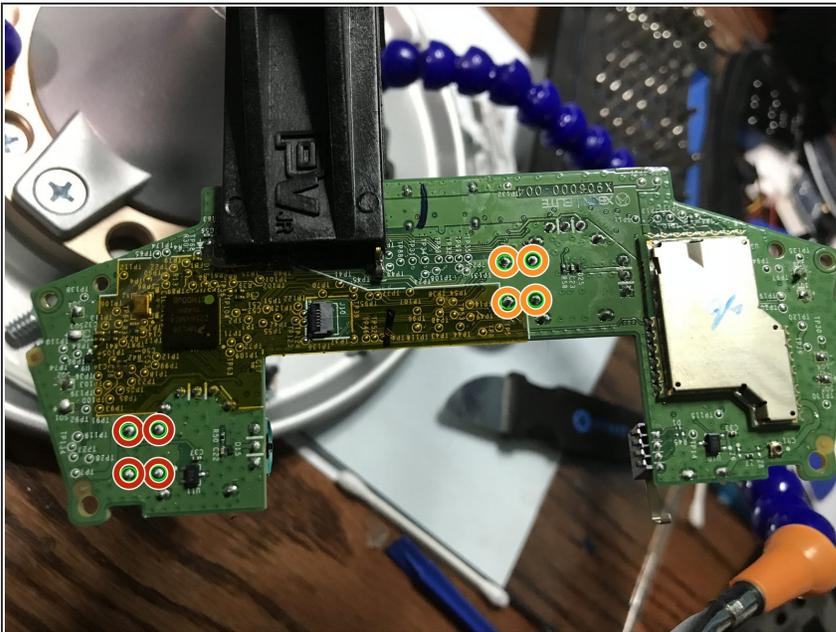
- Desolder the 4 wires on each side, these control the vibrations and the RT LT

Step 7 — Remove the motherboard



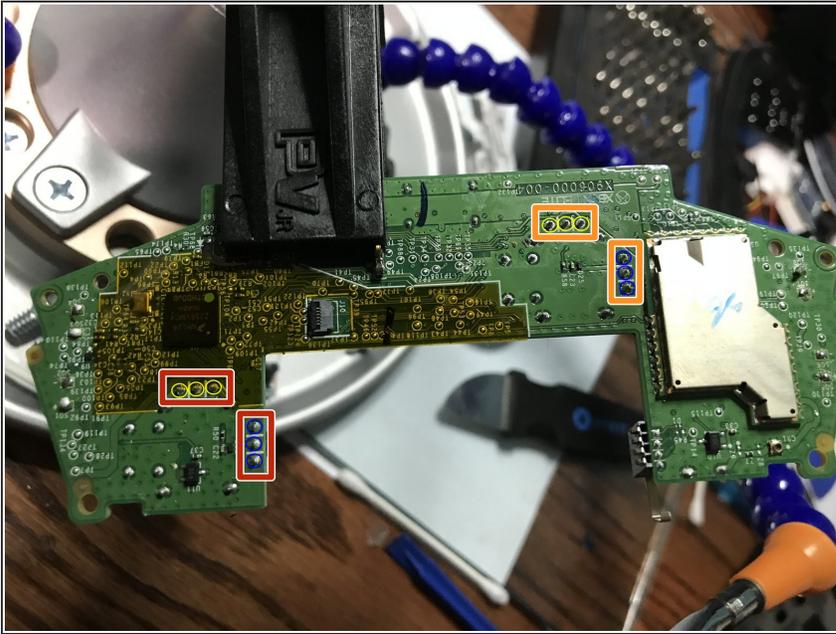
- Pull up from the "top" side of the controller on the motherboard.

Step 8 — Desolder Button Pins



- ⓘ These can be difficult to desolder. It is best to use a 650F degree soldering iron, if you have this available. If you are having trouble desoldering it with the old solder, adding fresh solder makes removal of the old solder easier.
- Desolder the 4 pins holding the pins in on the left analog stick.
- Desolder the 4 pins holding the button in on the right analog stick.

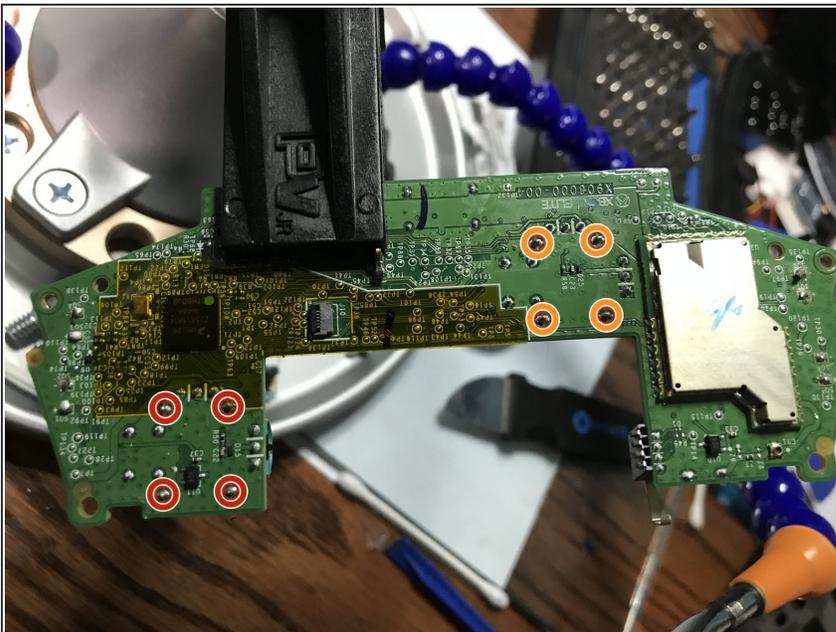
Step 9 — Desolder potentiometers



i A 650F degree soldering iron is required. If you are having trouble desoldering these components, add new solder to make removal easier.

- First, desolder the left analog stick.
- Next, desolder the 6 pins for the right analog stick.

Step 10 — Desolder Ground Pins



i A soldering iron that can reach at minimum 650F is required. If you are having trouble desoldering the old

analog sticks, add fresh solder to make removal of the old analog sticks easier.

- Desolder the left analog stick from the controller.
- Desolder the right analog stick from the controller.

Step 11 — Troubleshooting



- If you are having trouble desoldering here are the two things you can do to solve.
- You can use a screw driver to open the resistors and then remove them from the board allowing access to the ground pins
- Now using snips you can cut the pins and then use a soldering iron to both sides and remove the cut pin gently with pliers

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