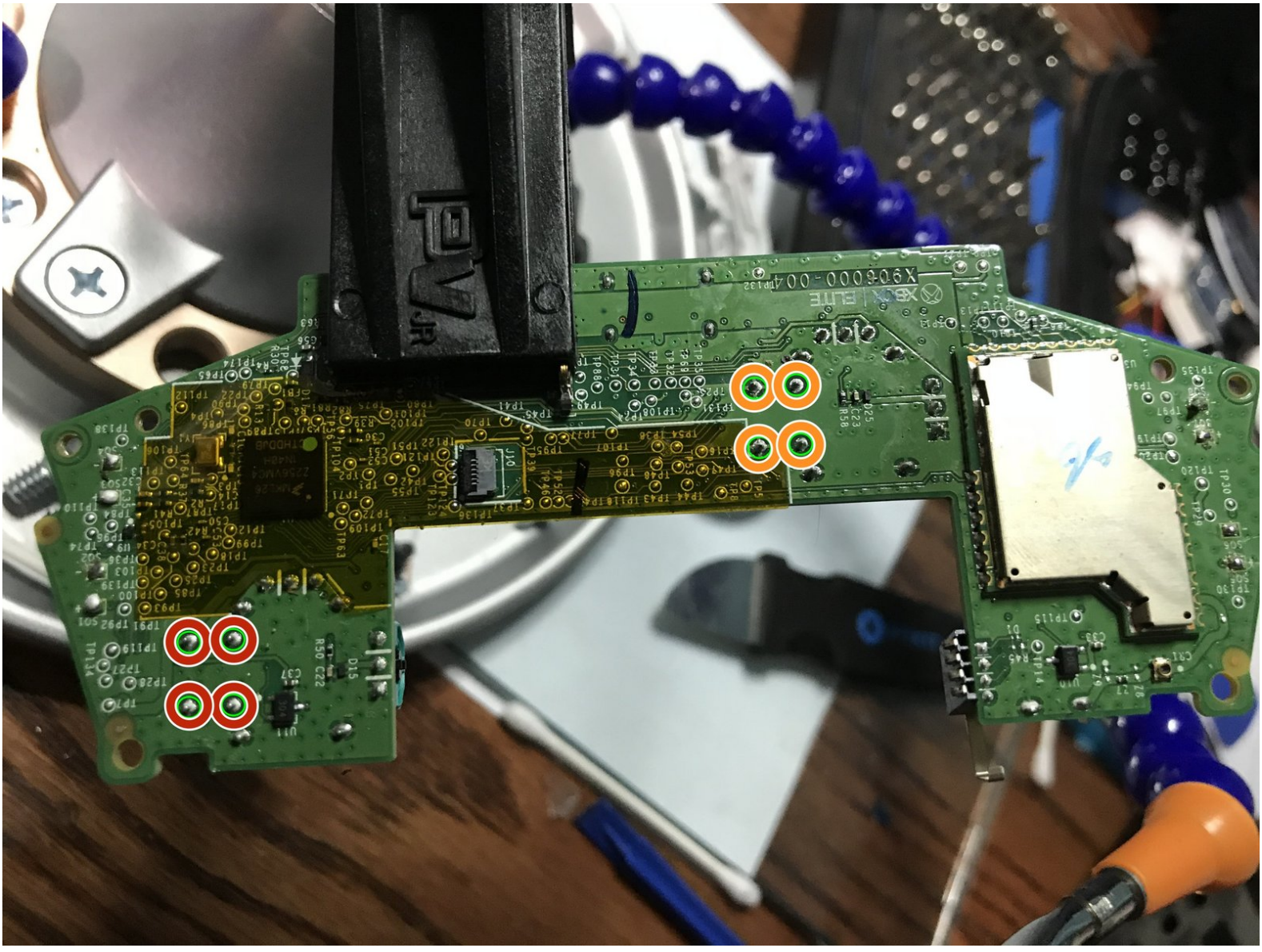
Xbox One Elite Controller (Model 1698) Joystick Potentiometer Replacement

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

Written By: EasyAsABC123



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TOOLS:

- Soldering Iron (1)
- iFixit Opening Tools (1)
- T6 Torx Screwdriver (1)
- T8 Torx Screwdriver (1)
- Solder (1)
- Desoldering Braid (1)

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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 (TR8) screws

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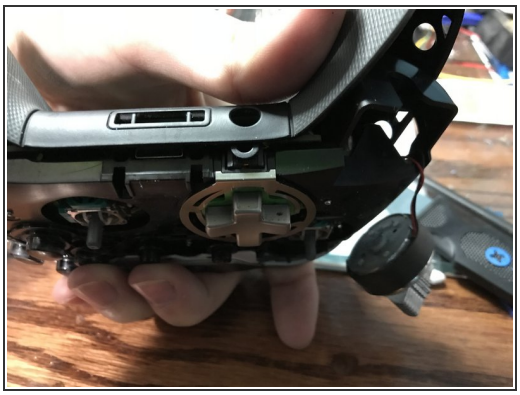
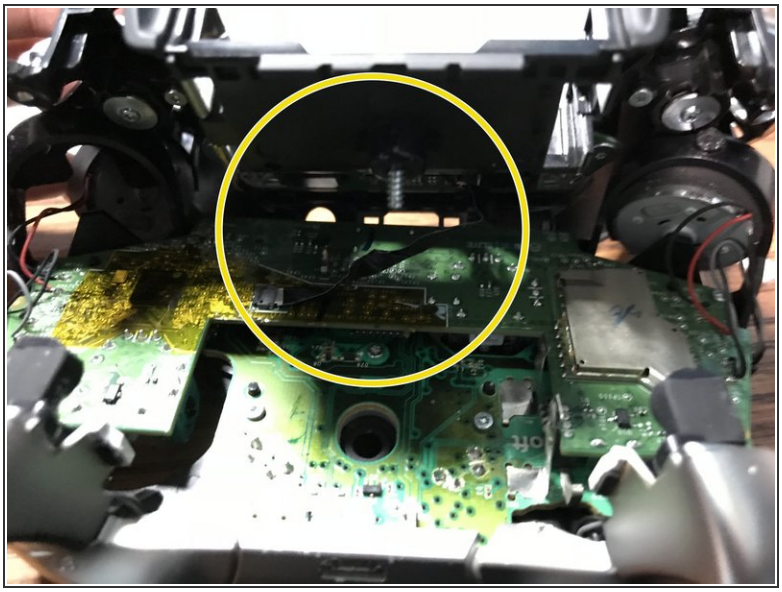
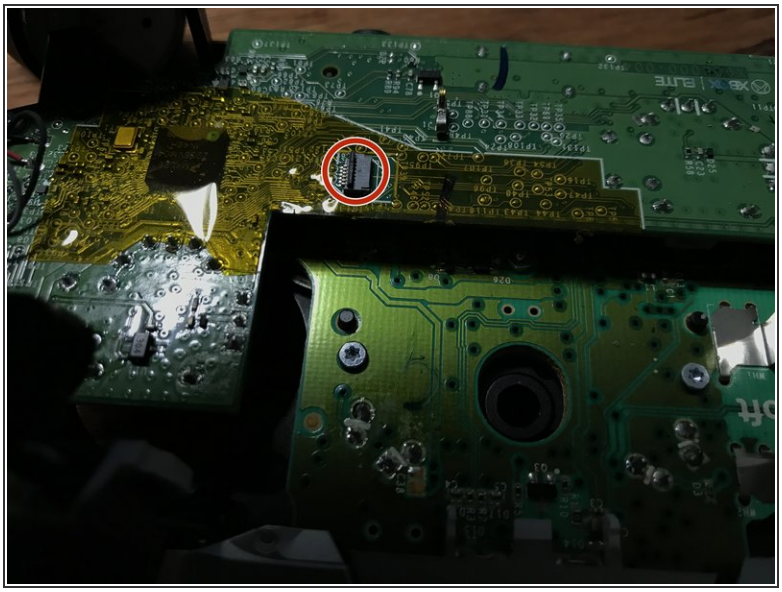
Step 3 — Popping that back panel off


- 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

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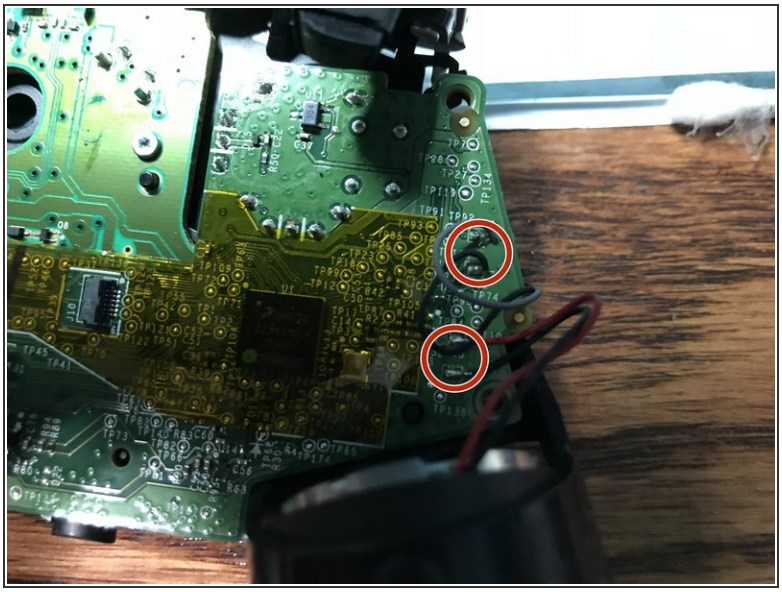
Step 5 — Screws on controller motherboard

- 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

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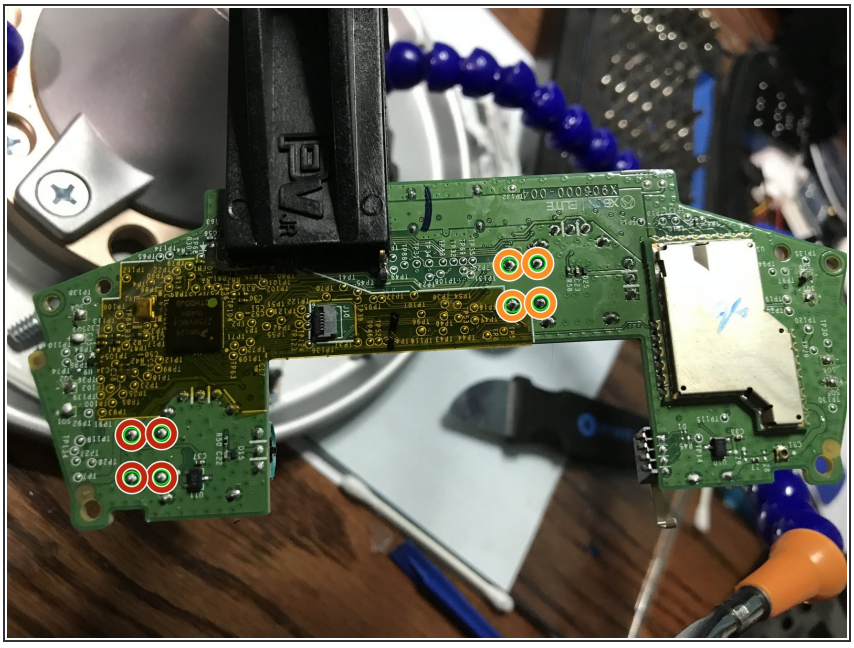
Step 7 — Remove the motherboard

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

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.

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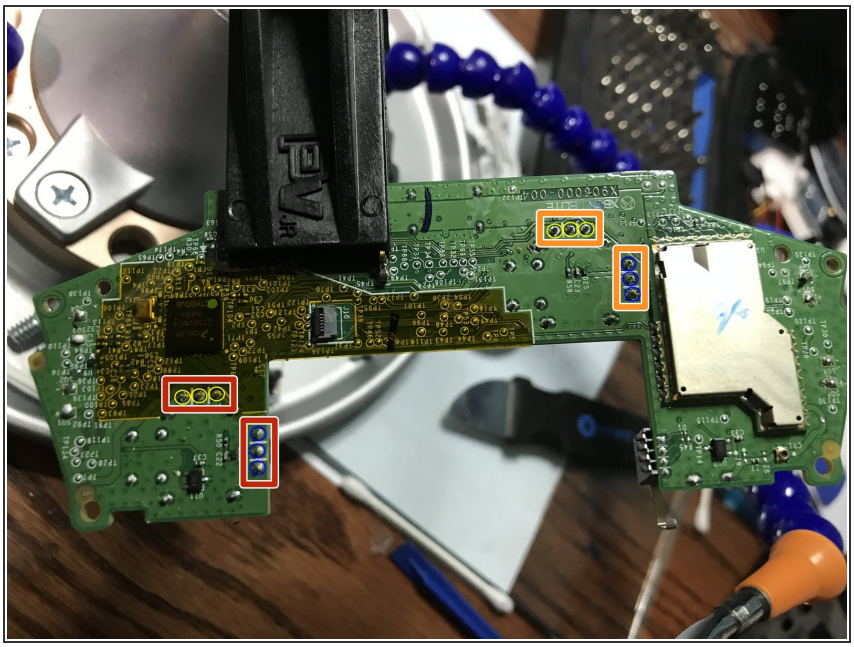
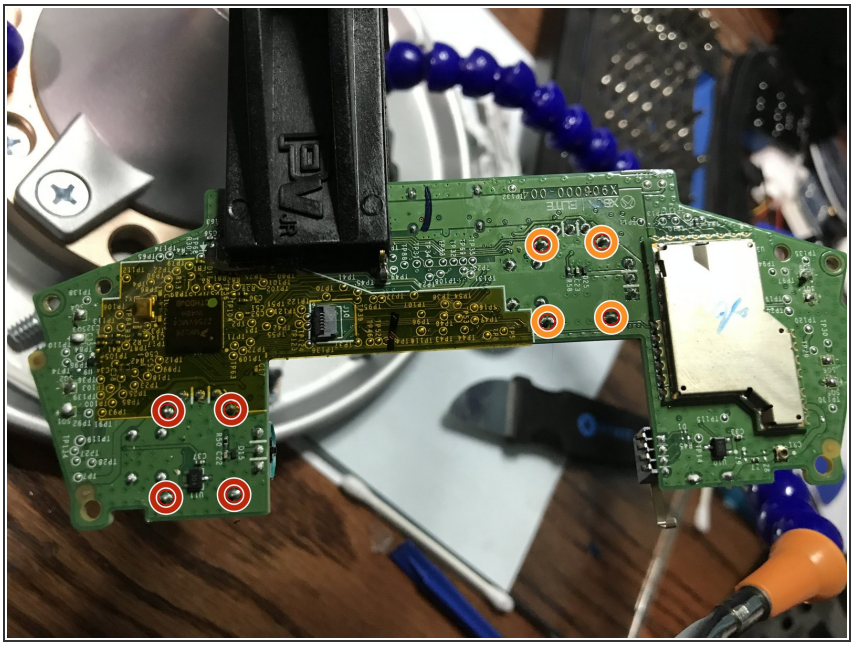
Step 9 — Desolder potentiometers



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



A 650 watt soldering iron is required. If you are having trouble desoldering the old analog sticks, add fresh

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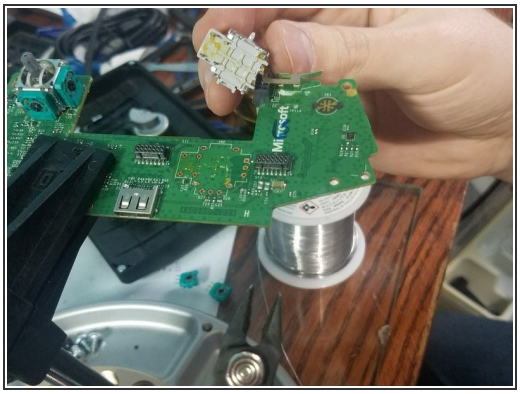
solder to make removal of the old analog sticks easier.

- 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.

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