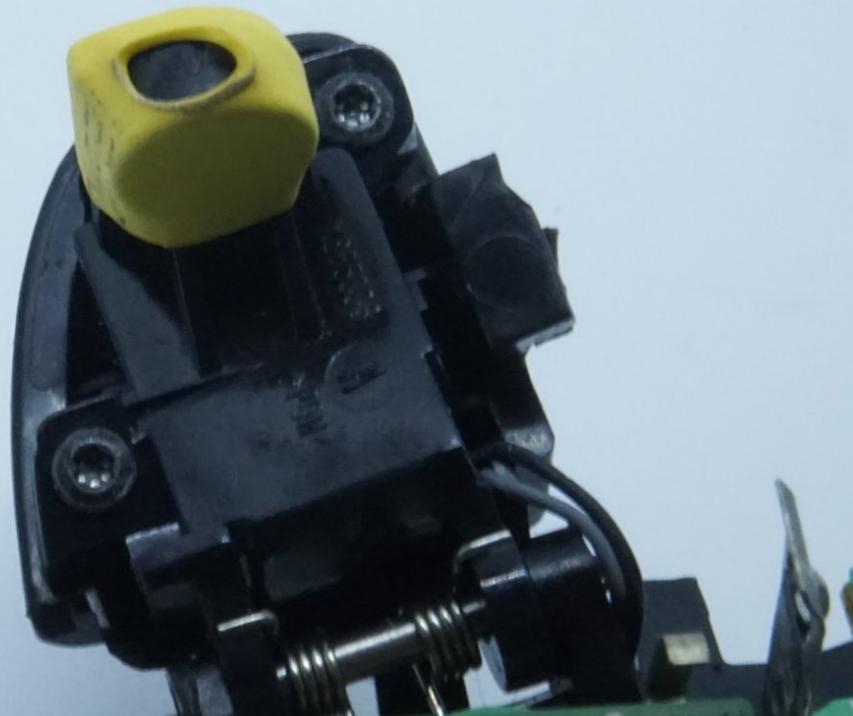




Xbox One Wireless Controller 1697 LT/RT Magnet Adjustment

If your Xbox One controller has issues with the LT/RT triggers, this guide will show you how to access the magnets and fix it.

Written By: Nick



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INTRODUCTION

If your Xbox One controller has LT/RT issues (or needs manual adjustment), the issue may be due to the magnets. Use this guide to take the controller apart and re-secure the magnets.

Guide warnings

- **TO AVOID MELTING THE PLASTIC FRAME WHEN INSTALLING HEATSHRINK TUBING, ADJUST THE LIGHTER/TORCH TO THE LOWEST RELIABLE IGNITION POINT.**
 - *If you use a butane torch, test the setting you are going to use on something you do not mind damaging BEFORE working on the controller. Use ABS to practice.*
 - *Holding the flame once the heatshrink seals may damage the controller frame.*
- **This is a final solution. Be prepared to write the controller off if this does not fix the problem or makes it worse.**
- **This fix is specific to Model 1537/1697 controllers.**
- **This procedure WILL VOID ANY PRESENT WARRANTY. Make sure the warranty is expired if you care about preserving it!**
 - *My controller is 17 months old. It is long out of warranty.*

Guide notes

- **This does not apply to Model 1708 controllers. These controllers have fewer problems.**
- If you misalign the magnets, you may need a controller frame. Use caution when applying glue.

TOOLS:

- Butane Lighter (1)

Torch flame

Used to seal the heatshrink tubing.

- Butane torch (1)

Advanced lighter substitute

Learn your torch before using it on the controller.

- Butane (1)

Zippo recommended.

- 64 Bit Driver Kit (1)

TR8 Required

A standalone TR8 screwdriver can also be used.

- Utility Knife (1)

Used to cut the original heatshrink.

- iFixit Opening Tools (1)

Used to remove side trim

PARTS:

- Heat Shrink Tubing Assortment (1)

Used to seal the magnets after adjustment.

- Super Glue (1)

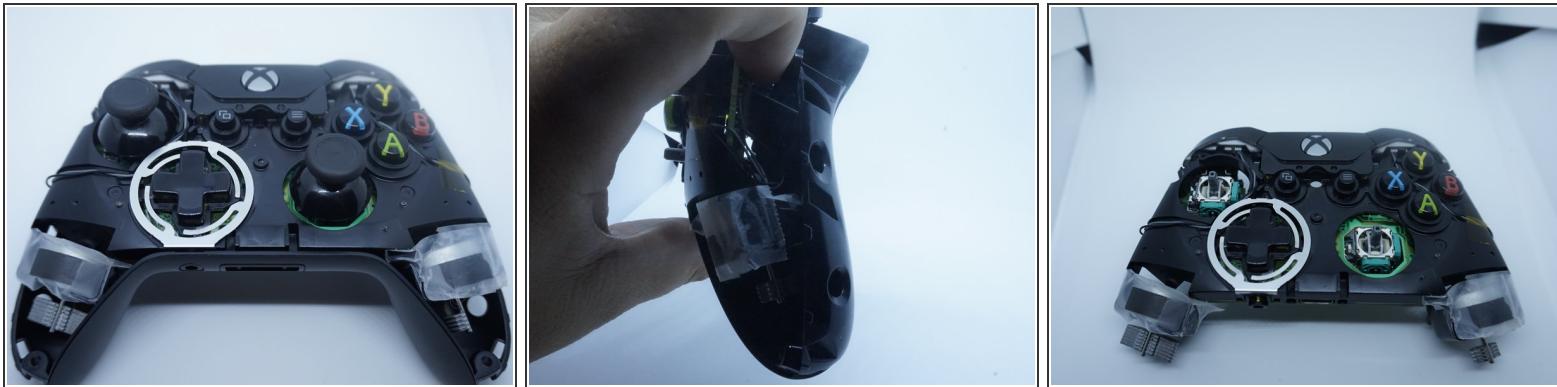
Used to secure the magnets after removal.

Step 1 — Disassemble the controller (Part 1)



- Remove the batteries from your controller (if installed). **If you do not have a [TR8 screwdriver](#), the bit can be found in the [64-bit driver kit](#).**
- Remove the screw under the battery cover label. To do this, puncture the label where it is marked. **It is located roughly in the center of the battery bay on the controller.**
- Remove the side trim from the controller, along with the 4 **TR8** screws. Set the trim and screws aside somewhere safe.

Step 2 — Disassemble the controller (Part 2)



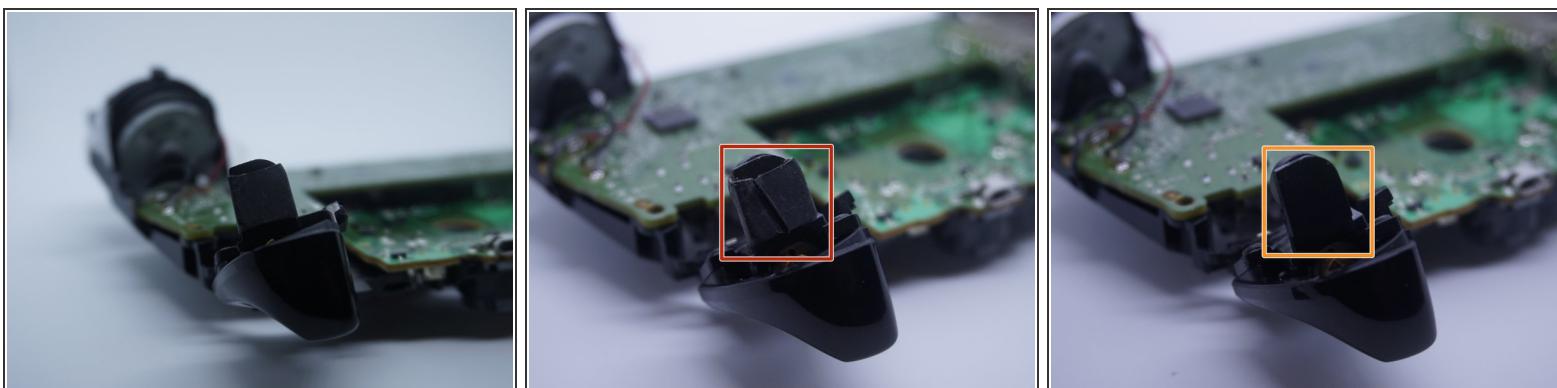
- With the screws removed from the back, flip the controller to the front. Remove the front plastic cover.
- With the front plastic cover removed, remove the back shell. A [plastic pry tool](#) can be used if it is easier.
- Remove the shell once the battery tabs are released.

Step 3 — Disassemble the controller (Part 3)



- Remove the power button cover from the controller. **If the LB/RB assembly is separate, remove this next.** A [plastic pry tool](#) can be used.
- Remove the wireless sync button. Place this on a bright surface to avoid misplacement.

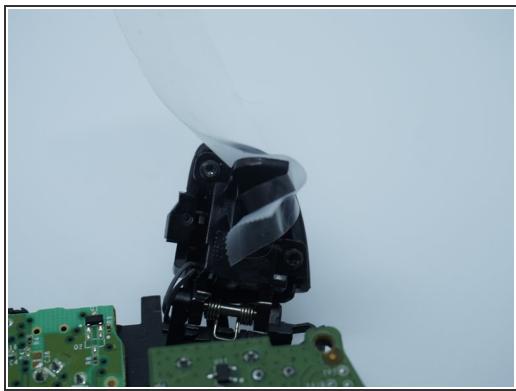
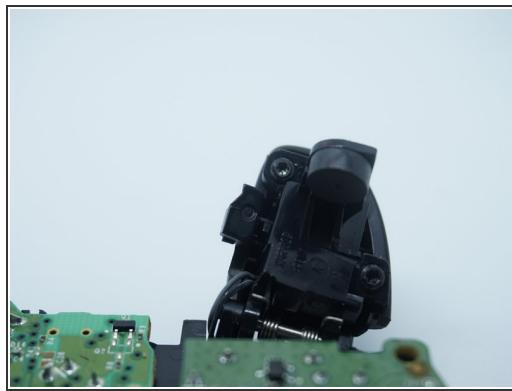
Step 4 — Cut new heatshrink tubing



⚠ Repair one trigger at a time!

- Before cutting the heatshrink, make 2 alignment marks (non-crossing).
- After making alignment marks, cut the old heatshrink off using a [utility knife](#).
- Using the old heatshrink as a reference, cut two new pieces.

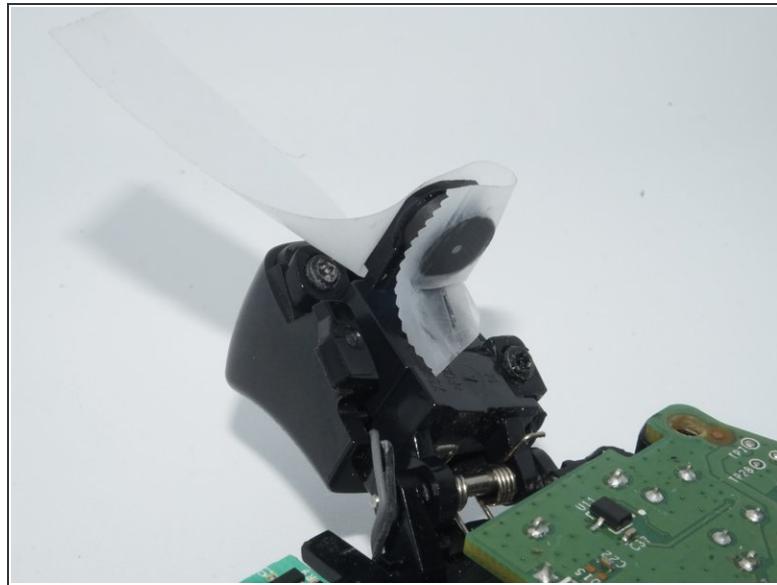
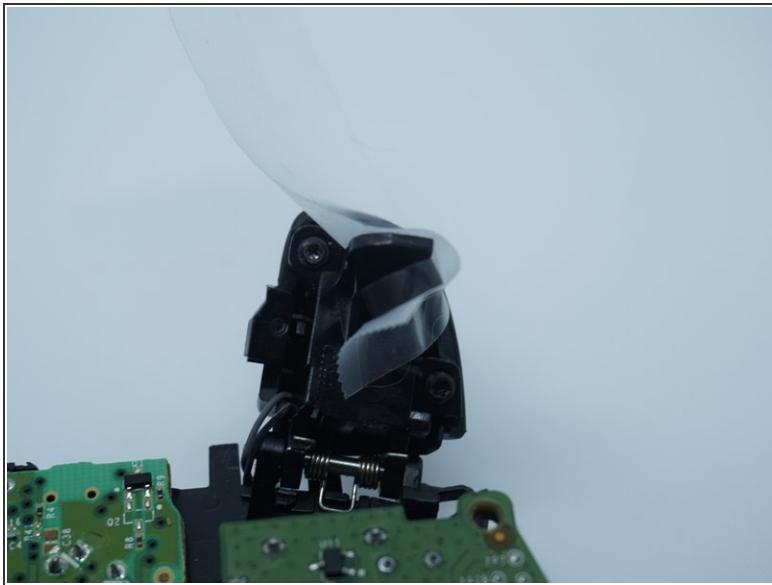
Step 5 — Clean up the magnet(s)



 **Incorrect magnet alignment will result in LT/RT activation without human input.**

- After cutting the heatshrink tubing, do a test alignment before applying glue.
- These controllers use double sided tape from the factory. Note the dimple side and clean the magnet and frame. **Use [Goo Gone](#) if the residue is difficult to clean.**
- Once the parts are reasonably clean, do a test alignment and apply tape for final installation.

Step 6 — Align the magnet and glue it in place



⚠ A controller frame may be required if done incorrectly. Verify the alignment before adding glue!

- **After verifying the alignment is correct**, add glue to the controller. **Let it cure for 24 hours.**

Step 7 — Install new heatshrink tubing



⚠ Soft flame lighters may melt the plastic. A blue flame lighter or torch is recommended.

- Once the glue cures, add new [heatshrink tubing](#).

