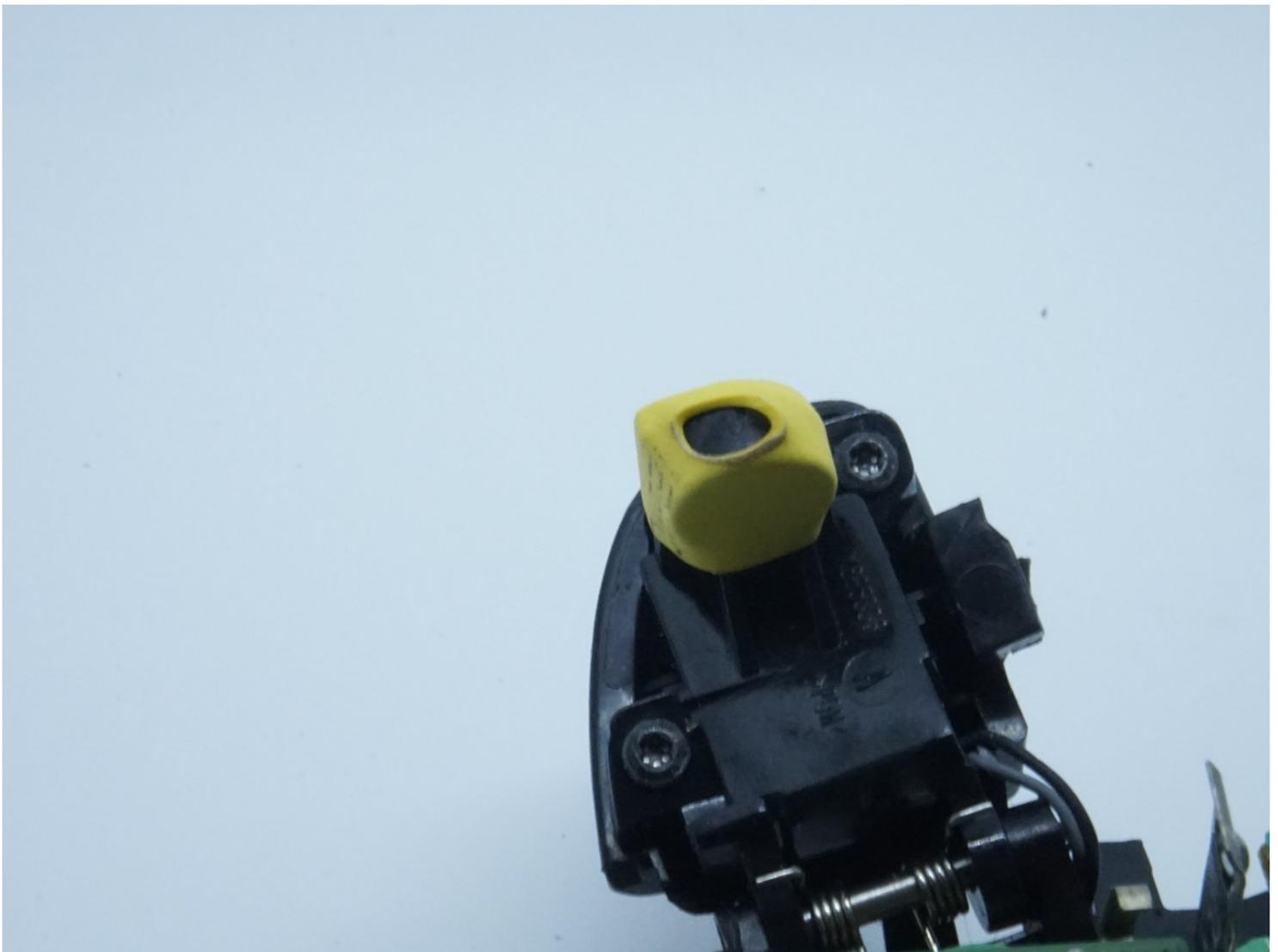




Xbox One Wireless Controller 1697 LT/RT Magnet Adjustment

If your Xbox One controller has LT/RT issues...

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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 guide does not apply to Model 1708 controllers. The procedure to fix the problem is different as heat shrink tubing is not required. However, it can be used as a starting point.**
- If you misalign the magnets, you may need a controller frame. Use caution when applying glue. **Use of an alignment mark is HIGHLY RECOMMENDED.**

TOOLS:

[Butane Lighter](#) (1)

Torch flame

Used to seal the heatshrink tubing.

[Butane torch](#) (1)

NOTE: Use caution. Only run at the lowest reliable ignition point!

[Precision Utility Knife](#) (1)

Note: a good pocket knife can be used as a substitute.

[Butane](#) (1)

Zippo recommended.

[Essential Electronics Toolkit](#) (1)

Contains required TR8 bit and required pry tools.

PARTS:

[Heat Shrink Tubing Assortment](#) (1)

Used to seal the magnets after adjustment.

[Super Glue](#) (1)

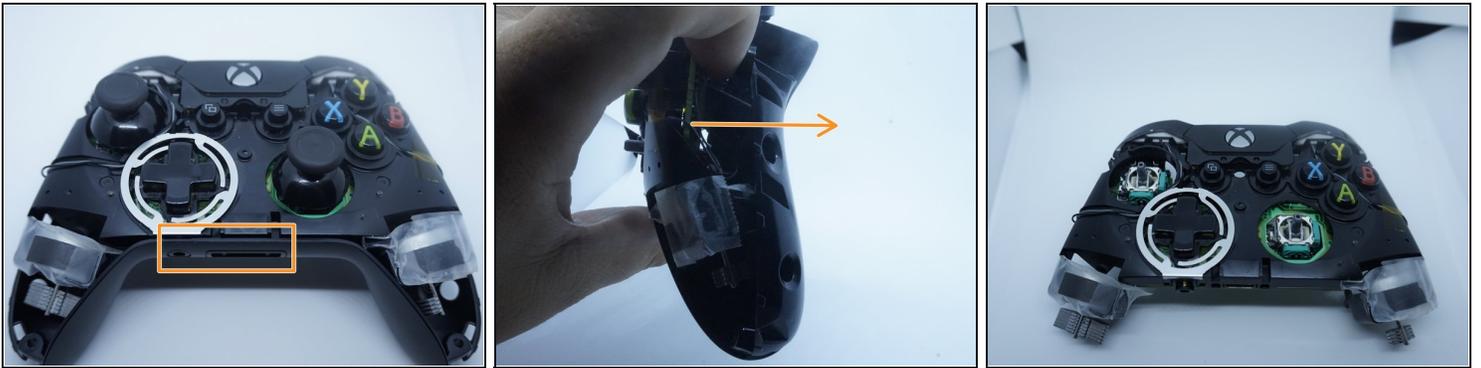
Can be found in many drug stores and big box retailers. Used to secure the magnets after removal.

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 is in the [Essential Electronics Toolkit](#).***
- 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)



⚠ Author's note: I have no intention of retaking these photos as I do not have my 1697 anymore (and avoid them when possible). I can do this with one hand, but using a pry tool in the area marked in orange makes this easier.

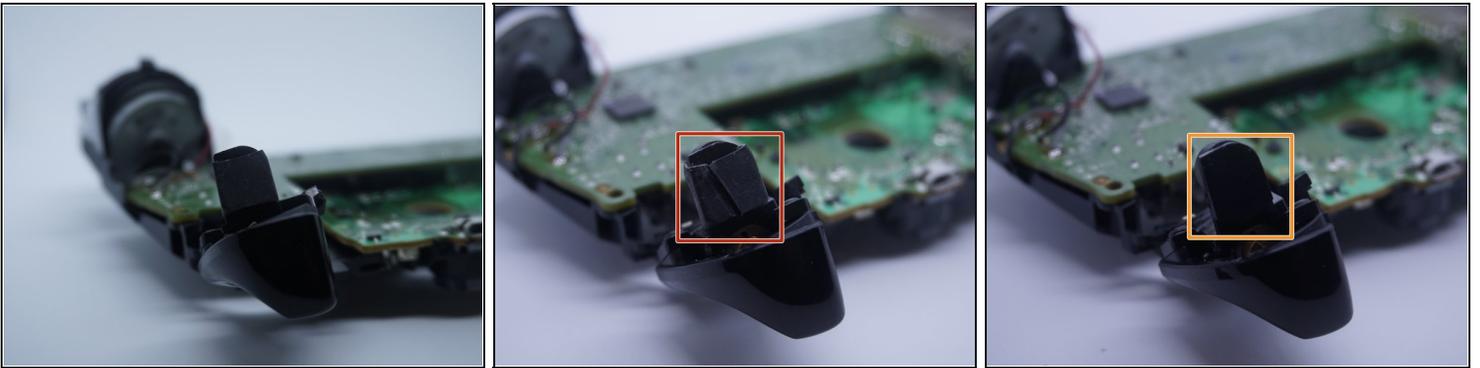
- With the screws removed from the back, flip the controller to the front. Remove the front plastic cover.
- With the front plastic cover removed, remove the back shell. A [plastic pry tool](#) can be used if it is easier.
- Remove the shell once the battery tabs are released.

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

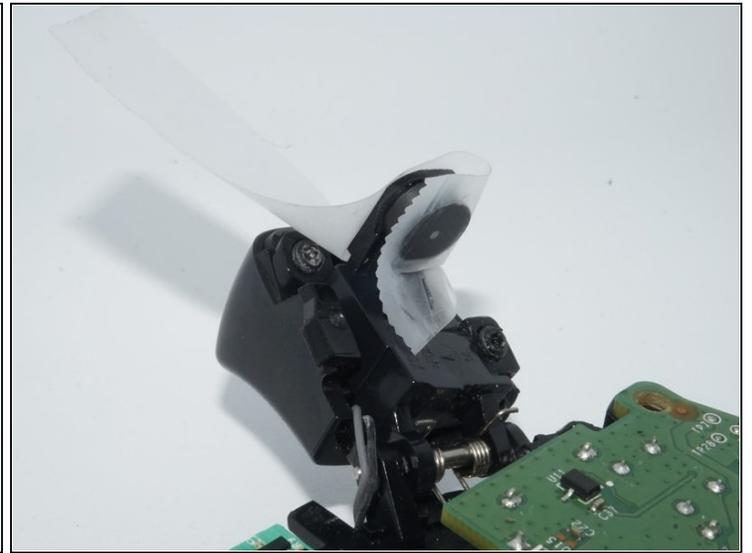
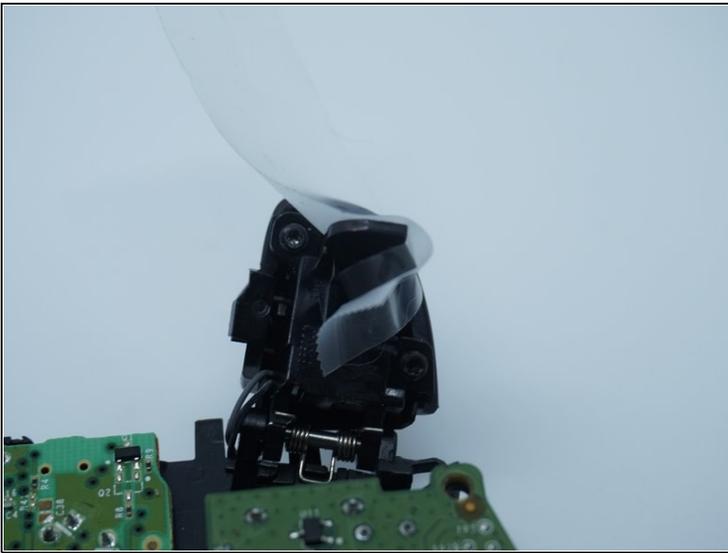
Step 5 — Clean up the magnet(s)



⚠ 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. ***Goo Gone can be used on difficult residue.***
- 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**, apply glue to the controller. **It is best to let it cure for 24 hours if possible.**

Step 7 — Install new heatshrink tubing



⚠ Soft flame lighters may melt the plastic. Blue flame lighters are generally safer for this!

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