



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.

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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:**

- [TR8 Torx Security Screwdriver](#) (1)

Used to disassemble controller.

- [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)

Pocket knife can be used in place.

- [iFixit Opening Tool](#) (1)

Used to remove side trim

- [Butane](#) (1)

Zippo recommended.

- [64 Bit Driver Kit](#) (1)

Optional. Standalone TR8 screwdriver can also be used.

 **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.

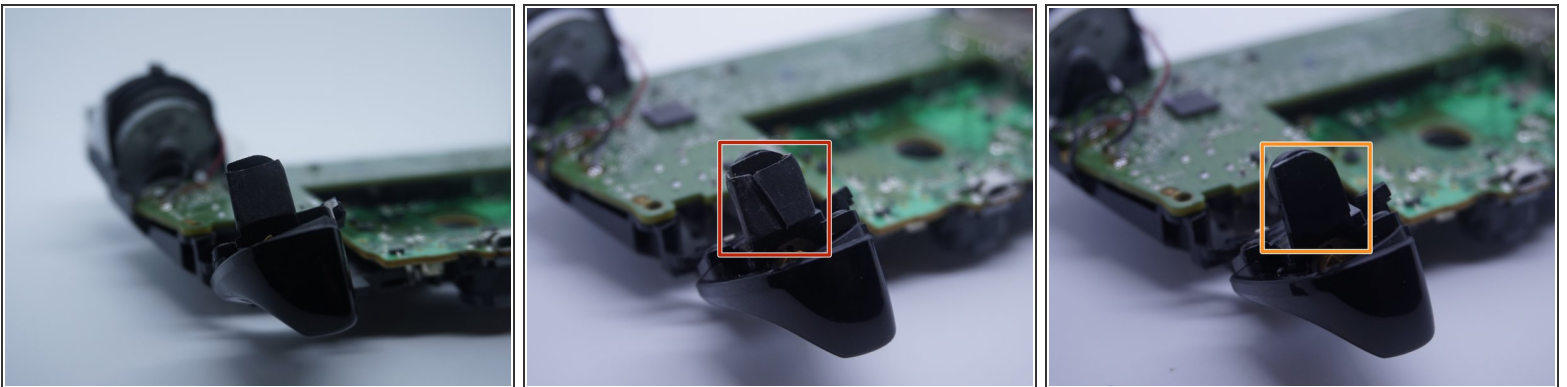
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Step 3 — Disassemble the controller (Part 3)



- 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.

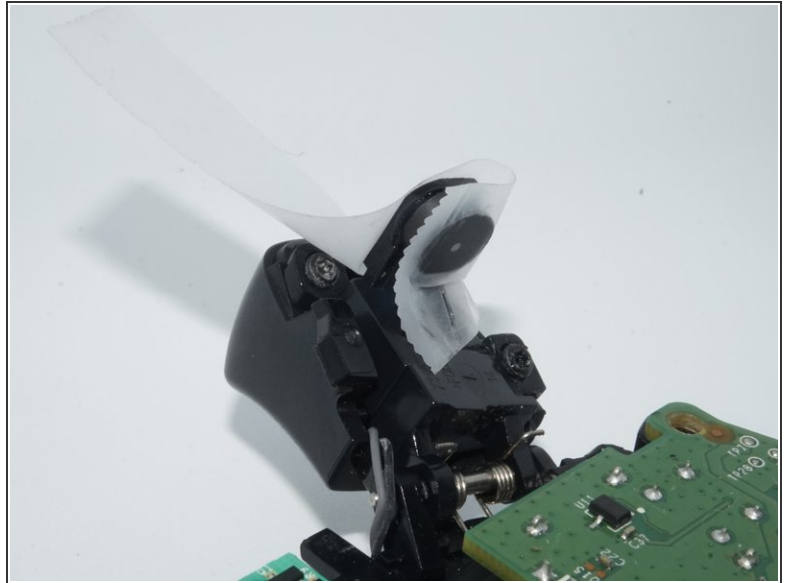
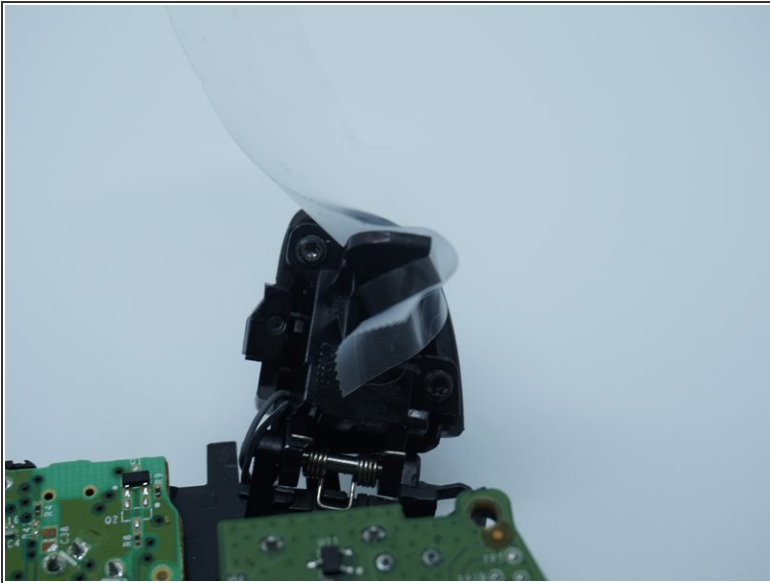
Step 5 — Clean up the magnet(s)



⚠️ 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.

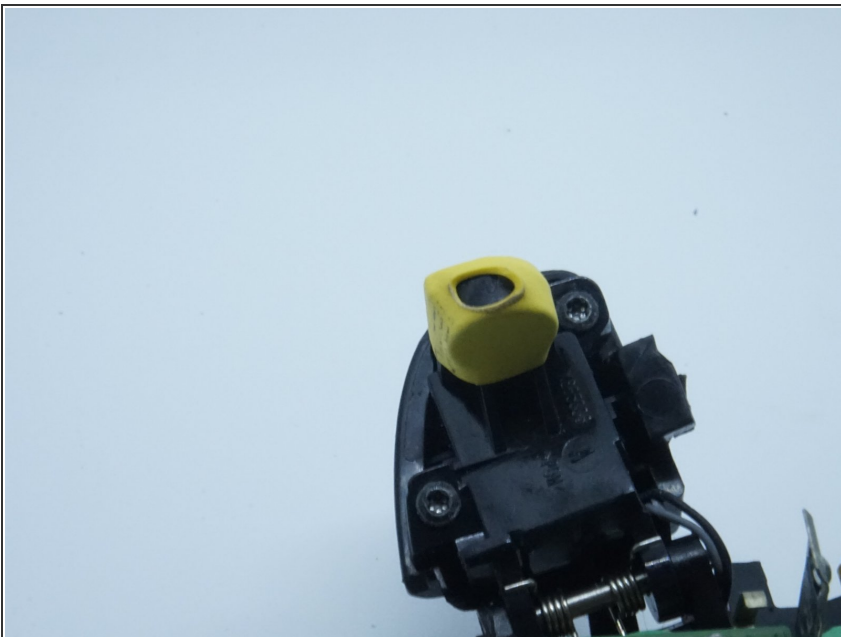
Step 6 — Align the magnet and glue it in place



⚠️ 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](#).

