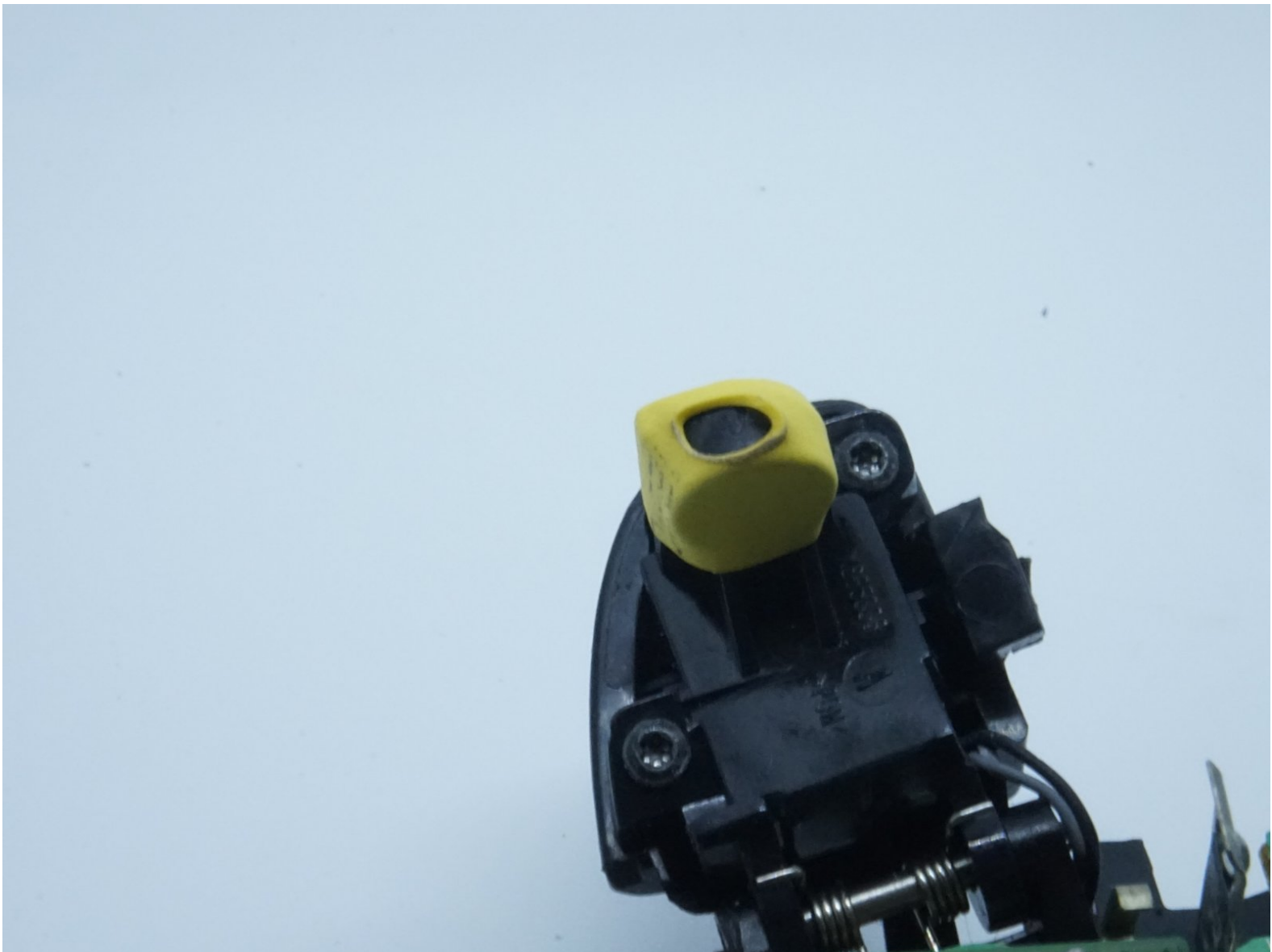




# Xbox One Wireless Controller 1697 LT/RT Magnet Adjustment

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



## 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 LT/RT 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 with the controller.*
- **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/Ronson 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)



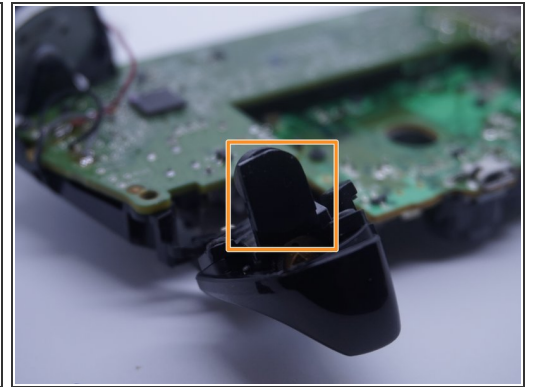
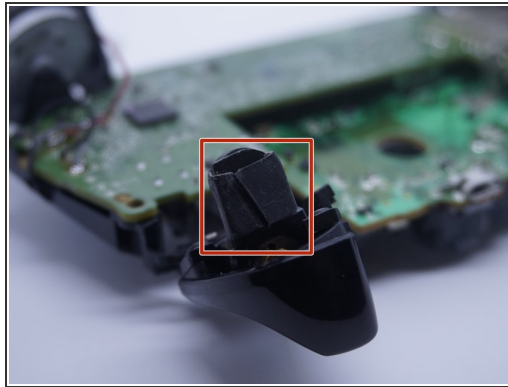
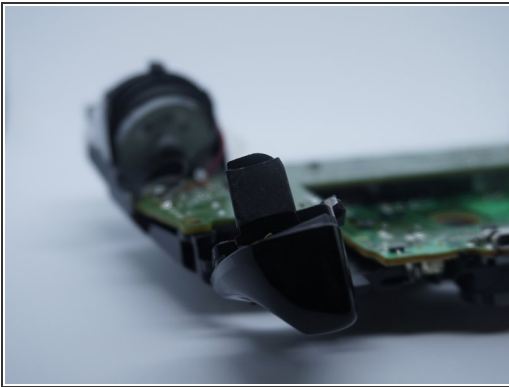
- With the screws removed from the back, flip the controller to the front. Remove the front plastic cover.
- With the front plastic cover removed, remove the back shell. A [plastic pry tool](#) can be used if it is easier.
- Remove the shell once the battery tabs are released.

### 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 the heatshrink tubing



**⚠ If both triggers need repair, do one at a time.**

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

## Step 5 — Clean up the magnet(s)

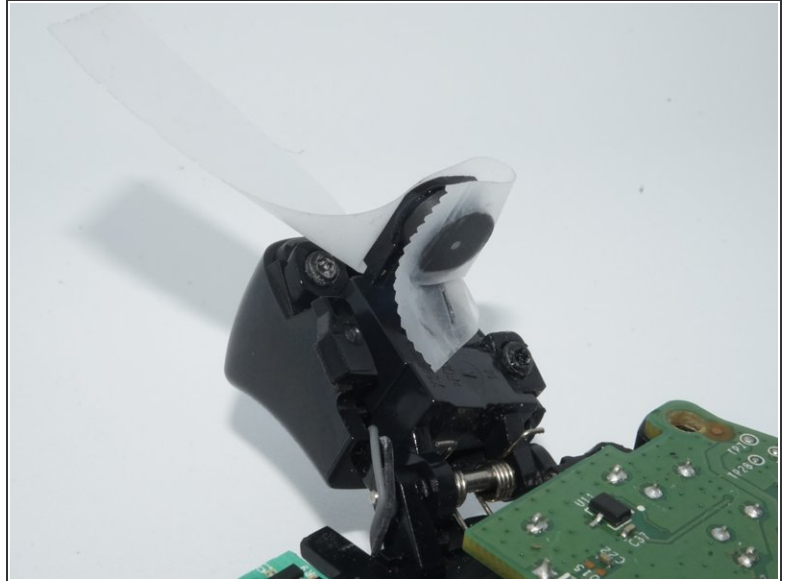
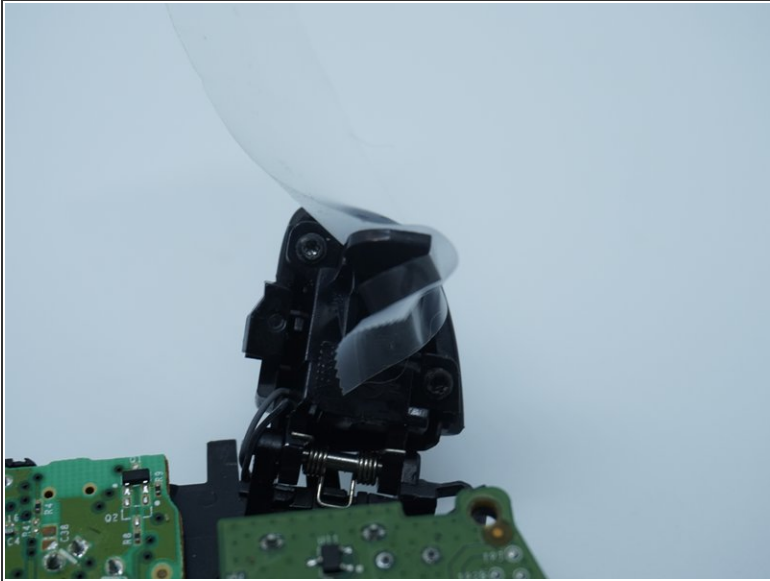


**⚠ Incorrect magnet alignment will result in LT/RT activation without human input.**

- 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

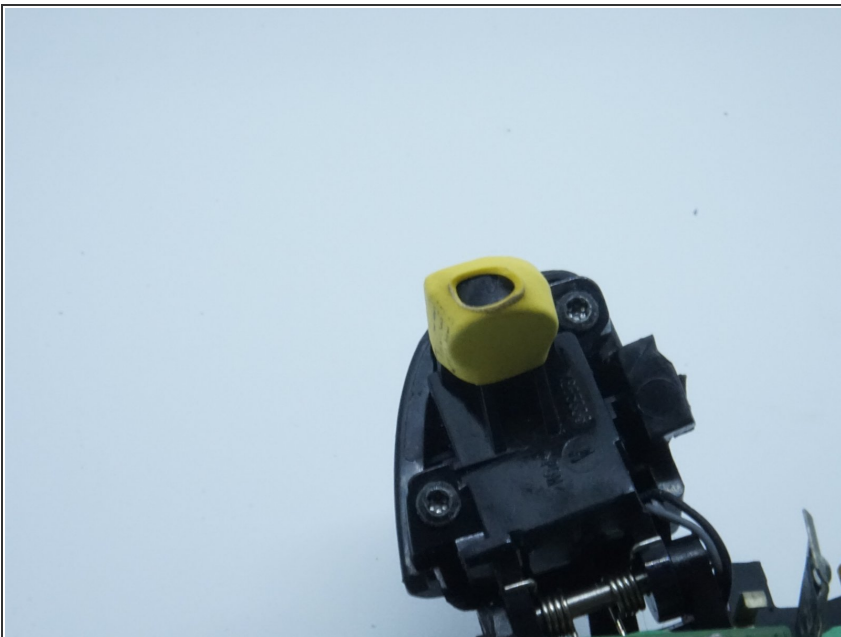


**⚠ A new controller frame may be required if done incorrectly.**

**👉 Verify the alignment first if correcting a bad alignment.** This is not required if replacing the double sided tape.

● **After verifying the alignment is correct**, apply glue to the controller. **Let this cure for 24 hours.**

## Step 7 — Seal the magnets



**⚠ A torch lighter or butane torch is recommended. Soft flame (Bic) lighters may damage the plastic.**

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

To reassemble your controller after testing, reverse disassembly by following the guide in reverse.

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