



How to fix Genie Intellicode Garage Remote

Control battery issues

Replace the weak battery contacts of a remote with an aftermarket battery holder.

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INTRODUCTION

I have a number of Genie Intellicode garage door single button remote controls. Eventually they all intermittently stop working when you press the button. Sometimes it's just a dead battery, but sometimes this problem persists even after replacing the battery.

Sometimes just hitting them will get them working again. At one point I resorted to wrapping a rubber band between both contacts to hold them to the battery better, but eventually the rubber bands dry up, weaken, and the remote starts acting up again.

In this guide I will show how to replace the battery contacts with a better battery holder. Due to space issues, you will need to cut some of the plastics of the remote control and the battery holder. You will also need to desolder the existing battery tabs and solder in new wires.

Note that this could probably also be fixed with a couple of 3D printed parts and a spring from a retractable pen: one part would be a spacer block to hold one contact in place, and the other would be the holder for the spring that would push on the other battery contact.



TOOLS:

- [Phillips #1 Screwdriver](#) (1)
- [Soldering Workstation](#) (1)
- [X-ACTO Knife](#) (1)
- [Wire cutters/side cutters](#) (1)
- [Wire Stripper](#) (1)



PARTS:

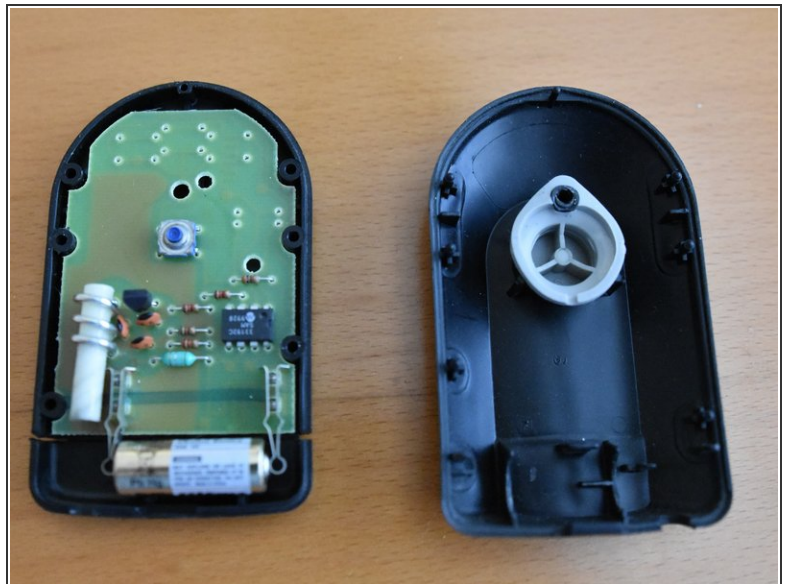
- [23A 12v battery holder](#) (1)

Step 1 — Acquire a battery holder



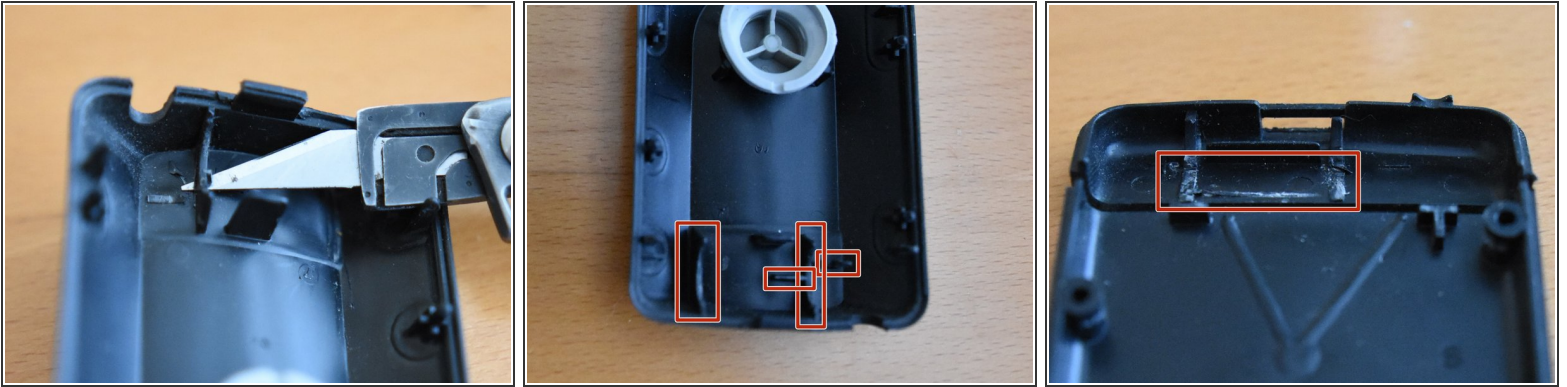
- The battery is a 12 volt alkaline battery, part number 23A or A23 among others. Buy a matching battery holder. I got some from one of the numerous major online stores.

Step 2 — Open the remote control



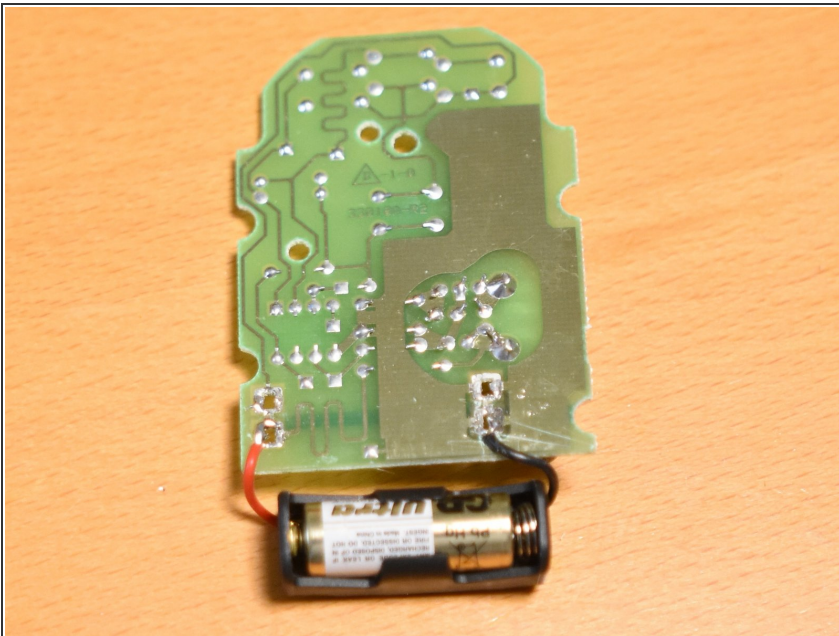
- Remove metal clip (sorry, step not shown- just slide it up)
- Using a philips screwdriver, remove the screw exposed by the metal clip.
- The two plastic halves should mostly just separate.

Step 3 — Cut ribs out of remote



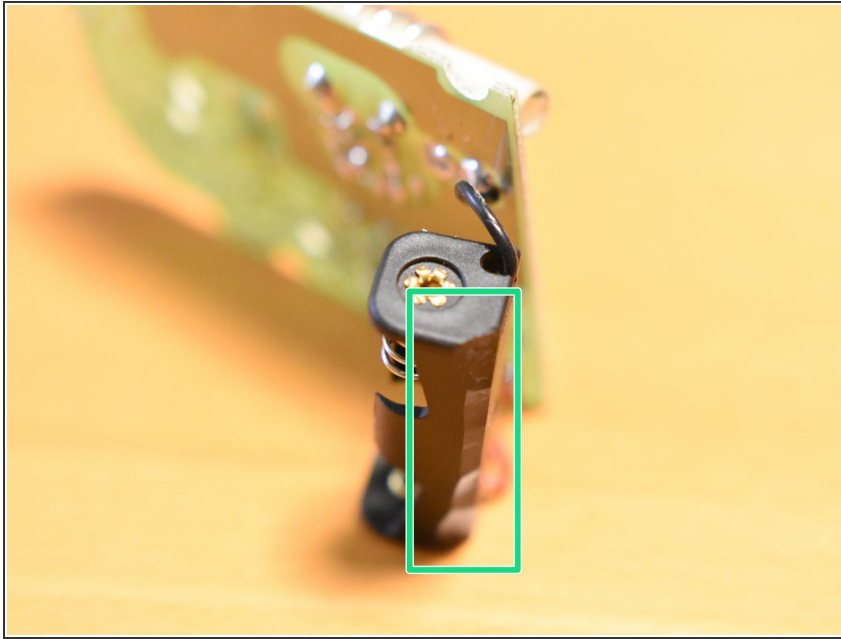
- The battery holder needs to fit inside the battery compartment, so remove some of the ribs molded in the plastic to hold the battery in the compartment and the battery door.
- Use a hobby knife or side cutters to remove the ribs outlined in red.
- **Do not cut yourself.** If you are not good with a hobby knife, there are other methods of removing the ribs such as a small rotary tool with a sanding drum, flush cutters, or even heat (again, be careful).

Step 4 — Attach battery holder



- First, figure which way the battery holder needs be inside the battery compartment. The red wire goes to the positive (+) terminal, and the black to the negative (-).
- Desolder the battery tabs, cut down the wires on the battery holder (note that the black wire in the picture is just a bit short), and solder to PCB.

Step 5 — Shave down battery holder



- Cut down the lower back edge of the battery holder

Step 6 — Test fit



- Reassemble remote and see if the battery door closes completely. If it doesn't, shave down the plastics a bit more.
- Once everything fits, screw it all back together, insert the battery, and test.

Reinstall the metal clip and the remote is ready to go.