AFK Toaster 70327 Electromagnet Replacement

This guide will teach you how to replace the broken electromagnet in your AFK Toaster.

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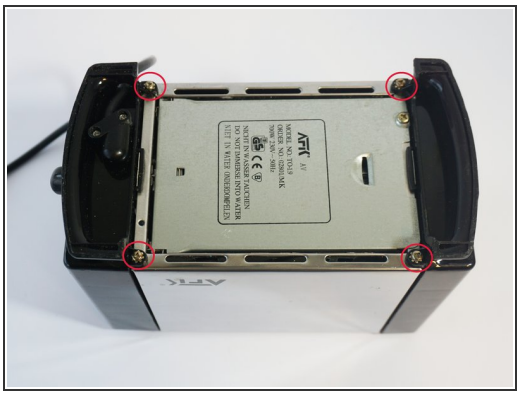
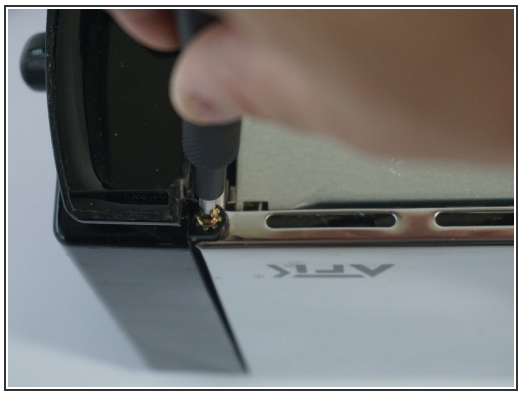
INTRODUCTION

If the lever on your AFK 70372 toaster won't stay down but the element does get hot if you hold it down, this could be the result of several things. This guide shows you how to access and check the electromagnet, and replace it if required.

TOOLS:

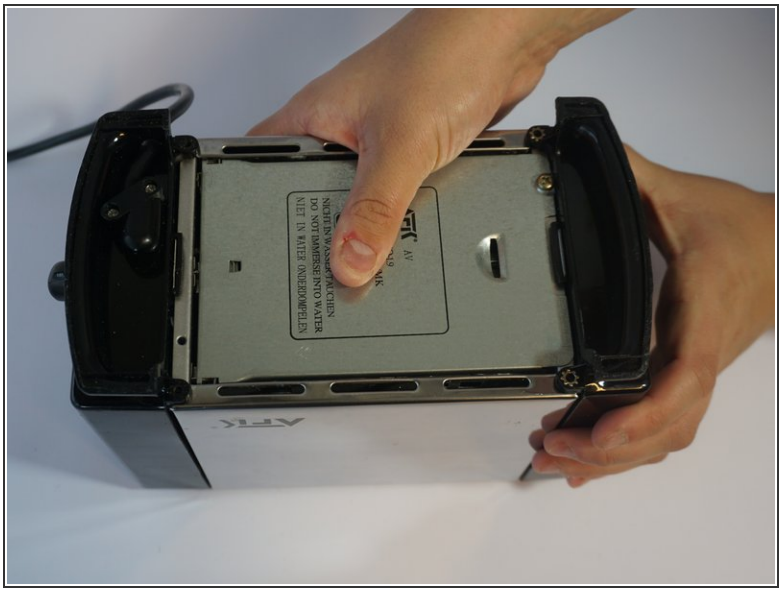
- Tweezers (1)
- Portable Soldering Iron (1)
- 64 Bit Driver Kit (1)
- Large Needle Nose Pliers (1)

Step 1 — Removing the Side Panel

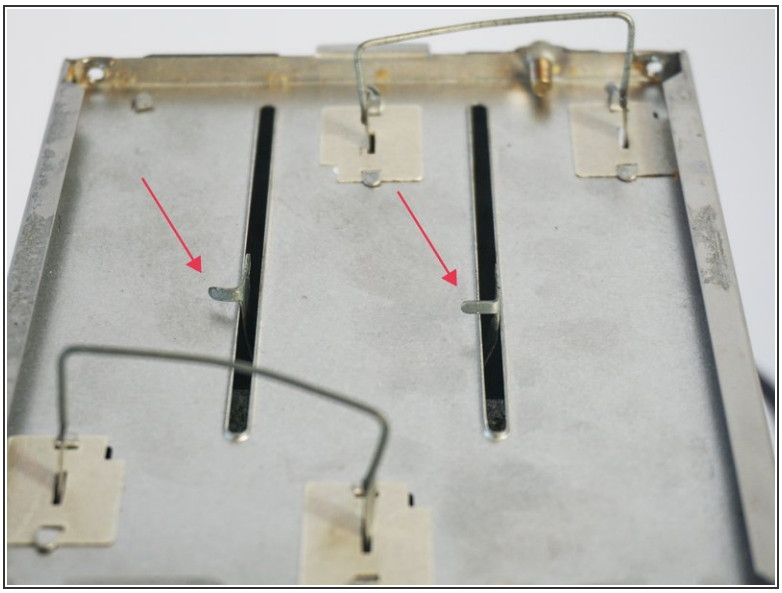

- **Make sure to unplug the toaster.**
- **An electrical shock could occur if the toaster is not unplugged.**
- Remove any foreign objects that may be located inside the toaster. After all objects are removed, turn the toaster upside down.
- Use a tri-wing screwdriver to remove the screws located on each corner.

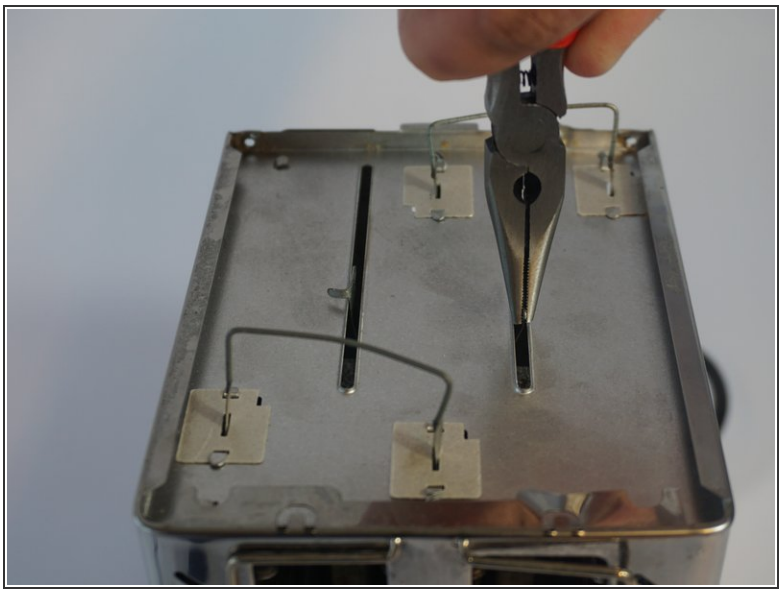
Step 2 — Removing the Side Panel (continued)




- Remove the black casing by sliding it upwards.

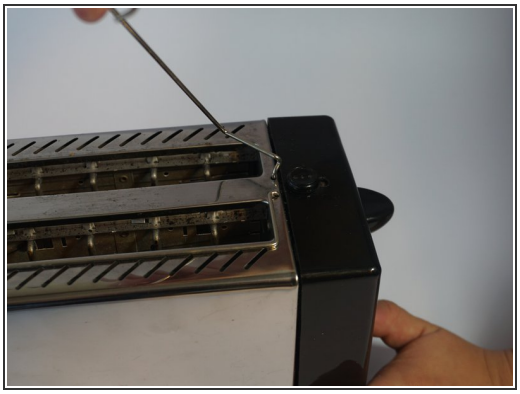
Step 3 — Adjusting the metal rods

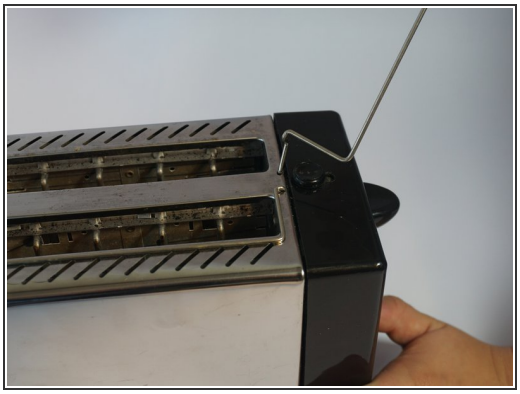


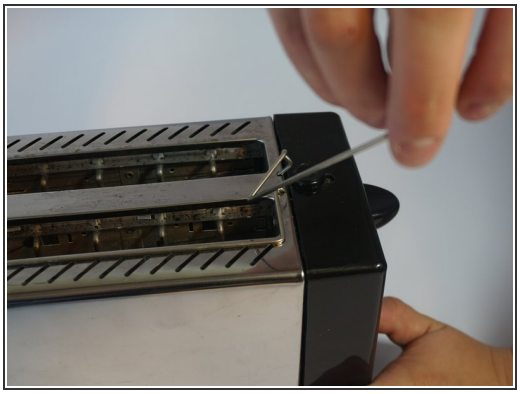


- Using the needle nose pliers, bend the two metal strips so they are facing the same direction.

Step 4 — Removing the Wireframes







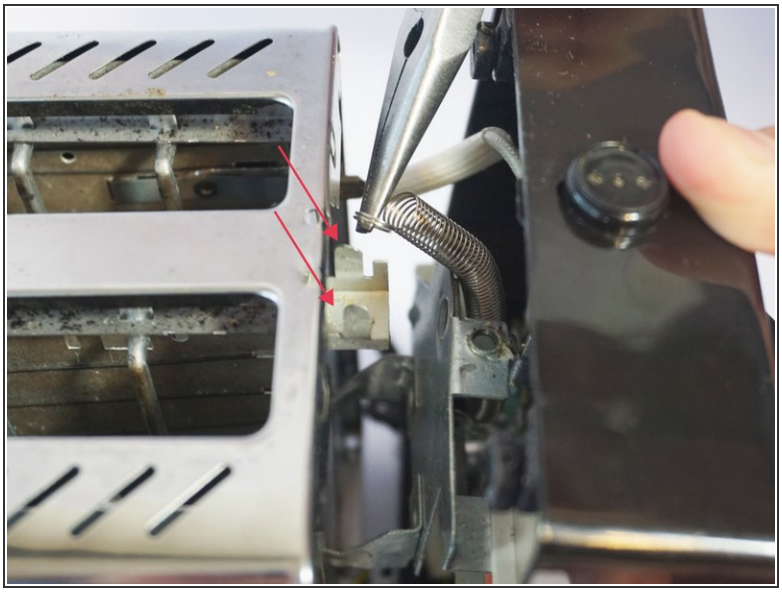
- Remove the two wire frames located on top of the toaster.

Step 5 — Removing the metal rod

- Using the tweezers, pull out the long metal rod between the black casing and the metal component.

To reach the rod, make sure that the black casing and the metal are pushed away from each other enough to insert the forceps.

Step 6 — Removing the coil spring

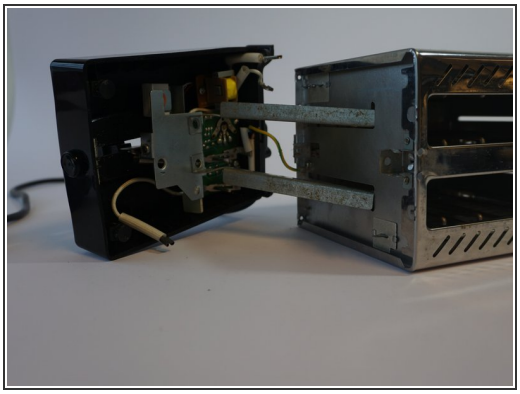
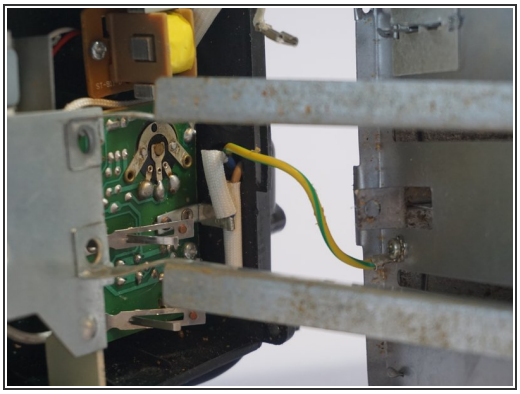
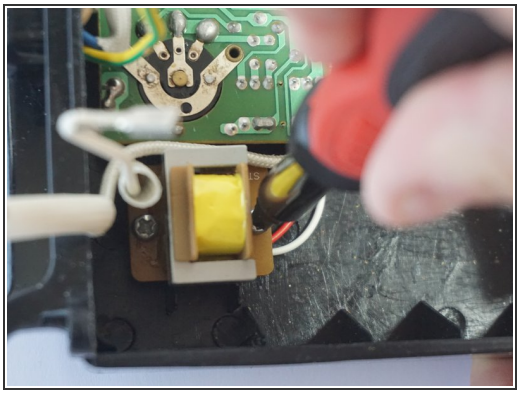


- While pushing the casing and metal away from each other, bend the two metal strips which are contained by the platform outwards.
- Once the spring is loose, remove it using the needle nose pliers.

Step 7

- After removing the spring, remove the casing from the metal .
- Using a Phillips screwdriver, remove the final screw.

Step 8 — Disconnecting the old transformer

- Now that the electronic parts are clearly visible and easy to reach, the connections to the electromagnet can be unsoldered. Initially, only unsolder one of them.
- With a testmeter on the resistance or Ω range, touch the two probes together and ensure the meter reads zero. Now touch one testmeter probe on the end of the now free electromagnet wire and the other on the other wire still soldered to the circuit board.
- If you get infinite resistance then the electromagnet is faulty. Unsolder the other wire, remove the electromagnet by removing 2 screws, and replace.
- If the electromagnet shows a resistance of a few hundred ohms then the fault lies elsewhere. Check the circuit board for any obviously overheated components, and if you are able, check there is a good connection to the circuit board from a tap on the element which taps off a small fraction of the mains voltage.

⚠ DO NOT attempt to test the toaster whilst dismantled as this would constitute a serious electric shock hazard.

⚠ Follow the instructions on properly using a soldering iron. Failing to do so can result in injury.

To reassemble your device, follow these instructions in reverse order.