



Hot Tools HPK12 Thermal Fuse Replacement

This guide will show how to replace the thermal fuse in the Hot Tools HPK12 flat iron.

Written By: Nathan Schwartz



INTRODUCTION

This guide shows the proper steps to replace the thermal fuse in a Hot Tools HPK12 flat iron. Before starting, carefully read over the [ifixit troubleshooting guide](#) to address what issue your iron is having and if the thermal fuse is what needs to be replaced. As always, be sure the iron is disconnected from power and cooled for at least 45 minutes before beginning. Under no circumstance should the iron be turned on until it is correctly and completely reassembled.

TOOLS:

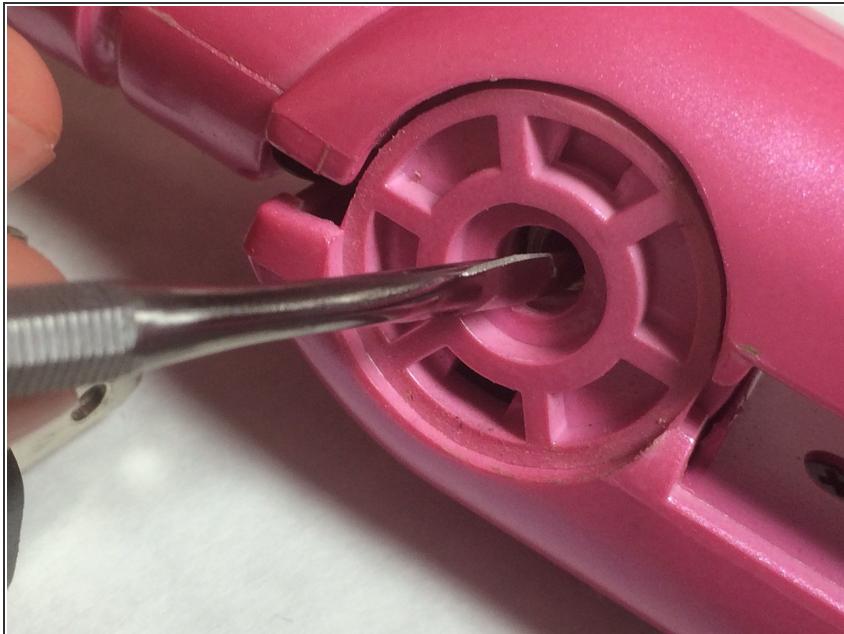
- [Phillips #0 Screwdriver](#) (1)
- [Metal Spudger](#) (1)
- [Phillips #1 Screwdriver](#) (1)
- [JIS #0 Screwdriver](#) (1)
- [Spudger](#) (1)
- [Soldering Iron](#) (1)
- [Cutting Plier](#) (1)

Step 1 — Prerequisite Only



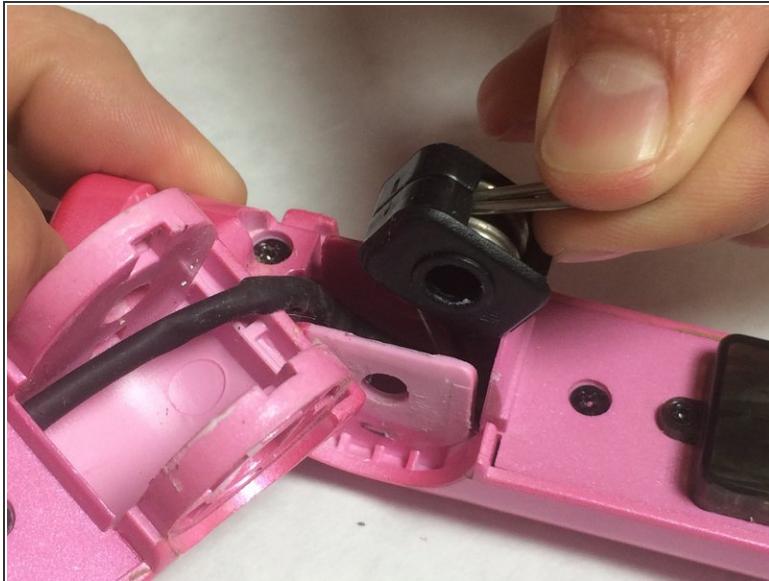
- Remove round plastic cover near cord base by prying under the side with the metal spudger.
- Flip the device and remove the other round plastic cover near the base of the cord.
- Use the Phillips #1 screwdriver to remove the 5.5mm PH1 screw and washer under the plastic cover and set both aside.

Step 2



- Use the metal spudger to push the center pin through to the other side.

Step 3

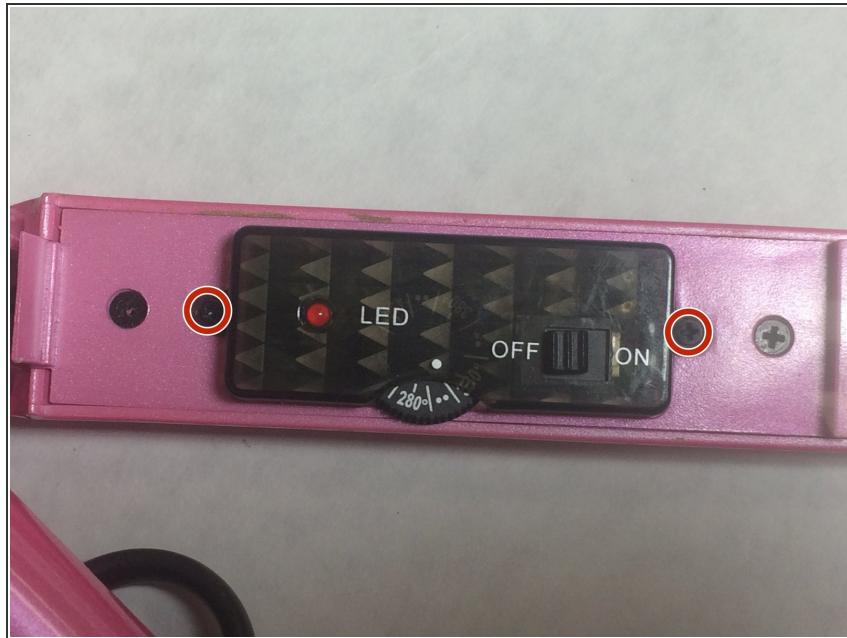


- Lift back plastic cover to expose spring assembly.

⚠ Be careful not to damage the power cord by bending or twisting it too much while performing this step.

- Grip the exposed end of the spring assembly and remove it.
- *i* The side with the two ends of the spring goes into the recessed area of the iron

Step 4



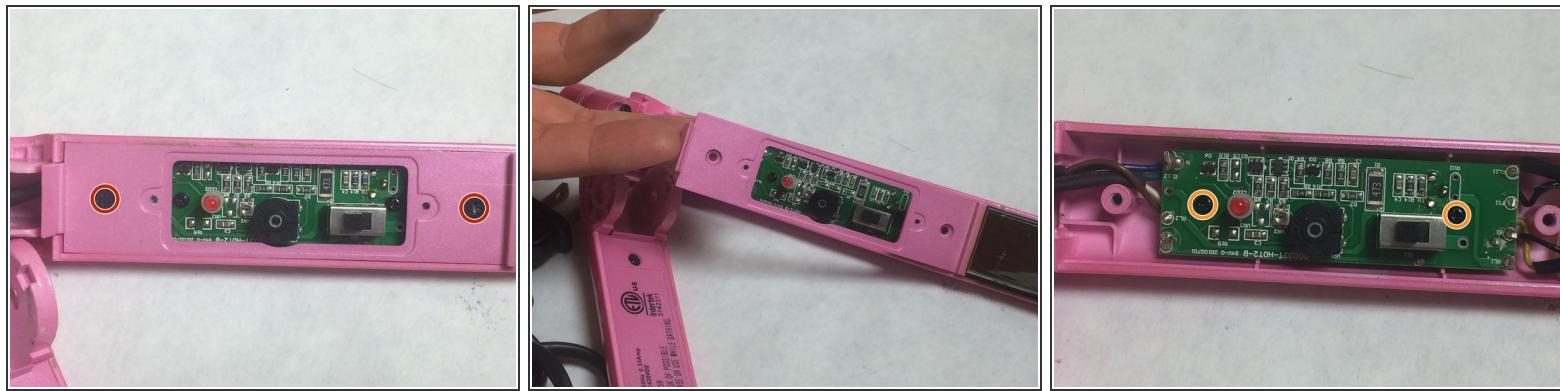
- Use the JIS #0 screwdriver to remove the two 3.5mm "J0" screws that attach the control assembly cover to the flat iron base.

Step 5



- Lift upward on the control assembly cover to remove it from the flat iron base.
- Remove dial and switch cover and set aside.

Step 6



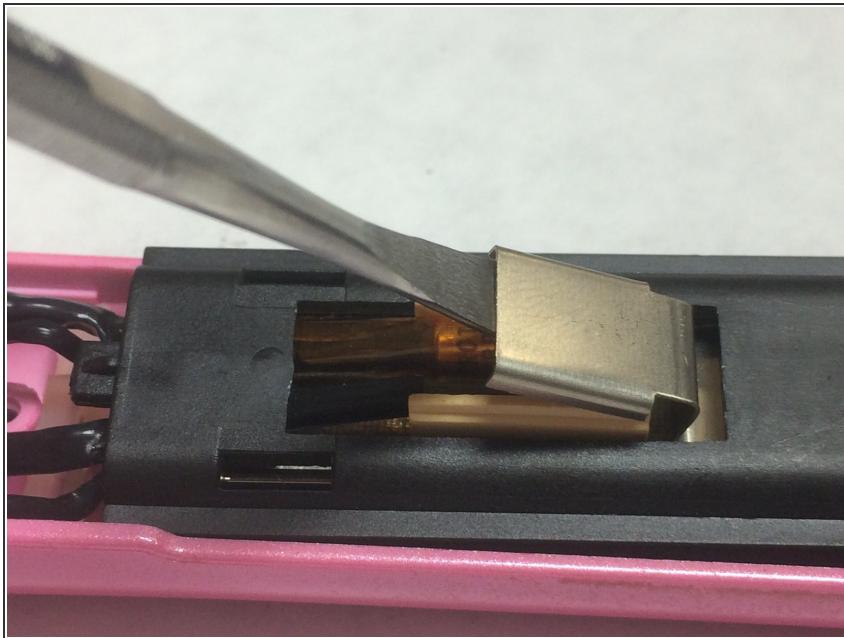
- Use your JIS #0 screw driver to remove the two 6mm “J0” screws that are attached to the flat iron base and set them aside.
- Lift the backing plate upwards to remove it from the flat iron.
- Use the Phillips #0 screwdriver to remove two 4mm “PH0” screws that attach the circuit assembly to the flat iron base.

Step 7 — Thermal Fuse



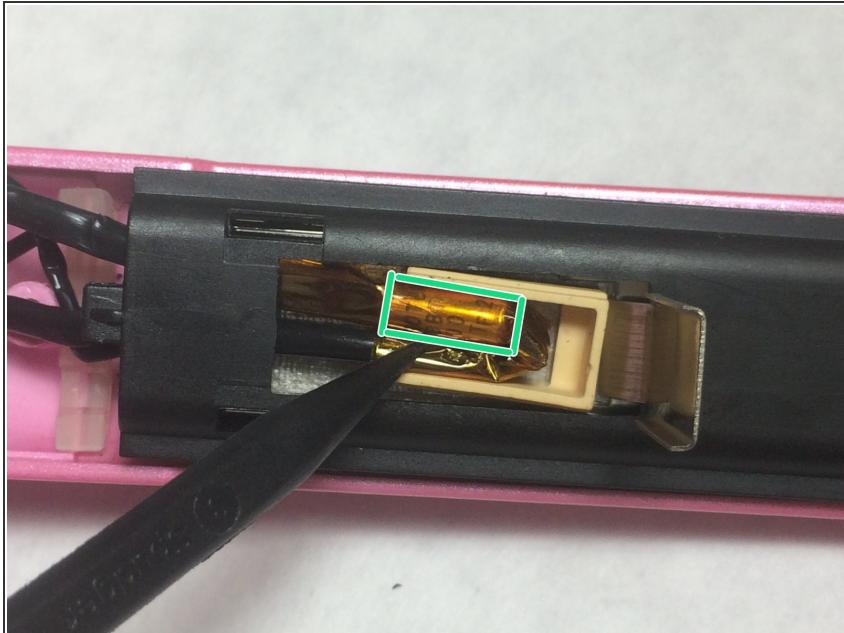
- Lift heating plate and circuit assembly away from flat iron case and flip it over.

Step 8



- Use the metal spudger to bend back the small metal cover on the back of the heating plate that shields the thermal fuse.

Step 9



- Locate thermal fuse then remove it with the spudger and cutting tool by cutting the wire on either end.
- After removal of the fuse, place the new HPK12 Thermal Fuse in the socket and solder the wires to their intended locations.

⚠ This is an extremely difficult and dangerous step and should only be done by someone comfortable soldering. If comfortable, carefully review [this soldering guide](#) to ensure proper procedures are followed to prevent injury or destruction of device.

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