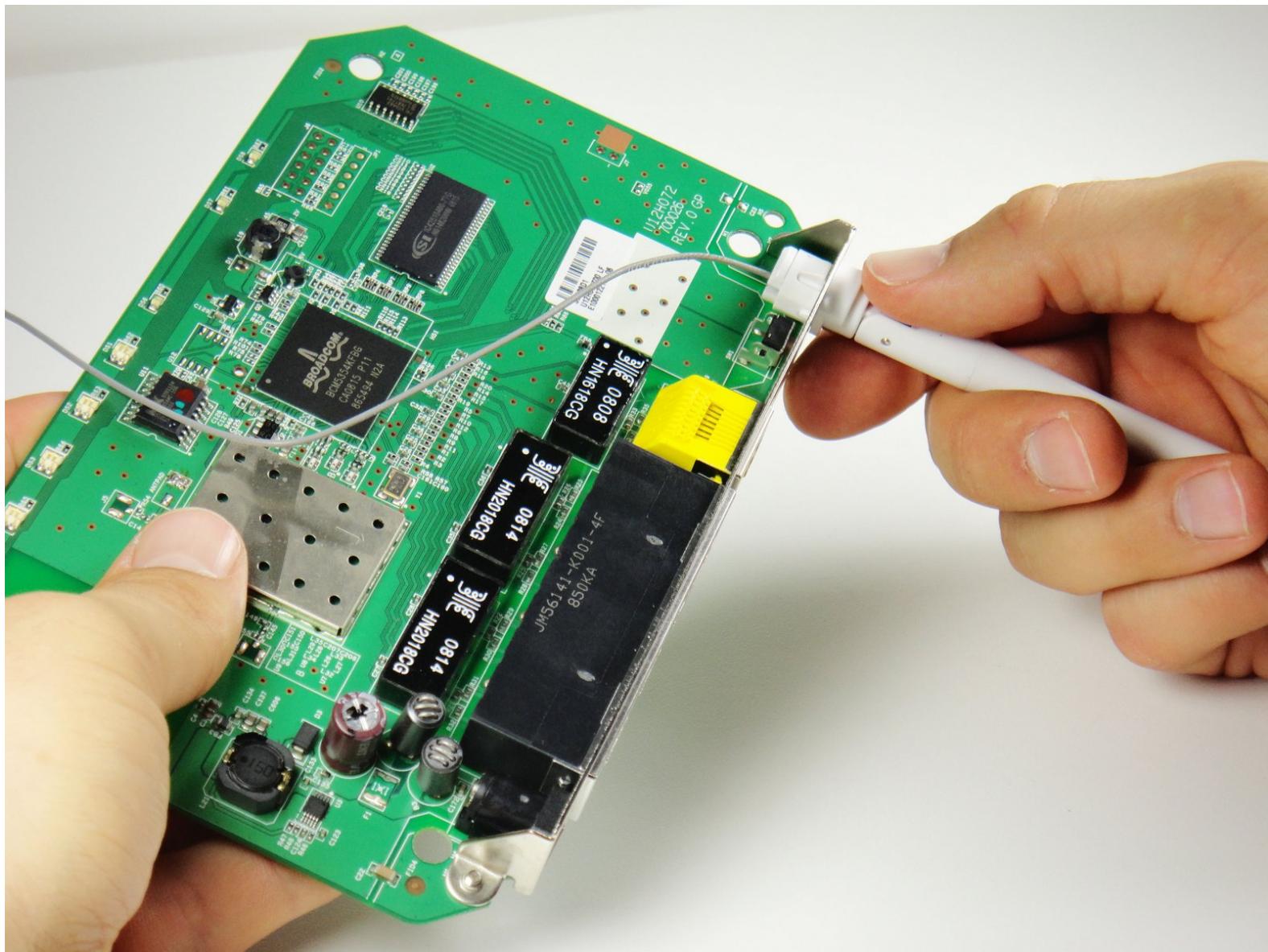




Netgear WGR614v9 Antenna Replacement

Replacing the antenna may fix problems involving connectivity.

Written By: Ryan Murphy



INTRODUCTION

This guide will take you through the process involved with installing an antenna. De-soldering and soldering will be required.

TOOLS:

- [Desoldering Braid \(1\)](#)
- [iFixit Opening Tools \(1\)](#)
- [Solder \(1\)](#)
- [Soldering Workstation \(1\)](#)
- [T8 Torx Screwdriver \(1\)](#)

Step 1 — Lower Case



ⓘ Rotate the device so that the bottom is facing up.

Step 2



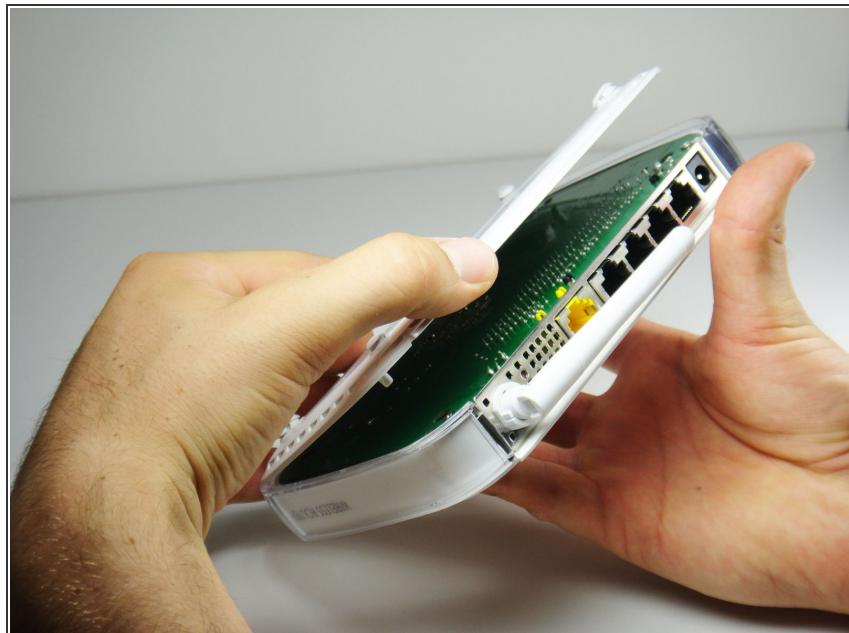
- Lift up all four rubber pads on the bottom of the router with the plastic opening tool.
- ⓘ Be careful not to pull the rubber pads all the way out when lifting as they are difficult to reinsert.

Step 3



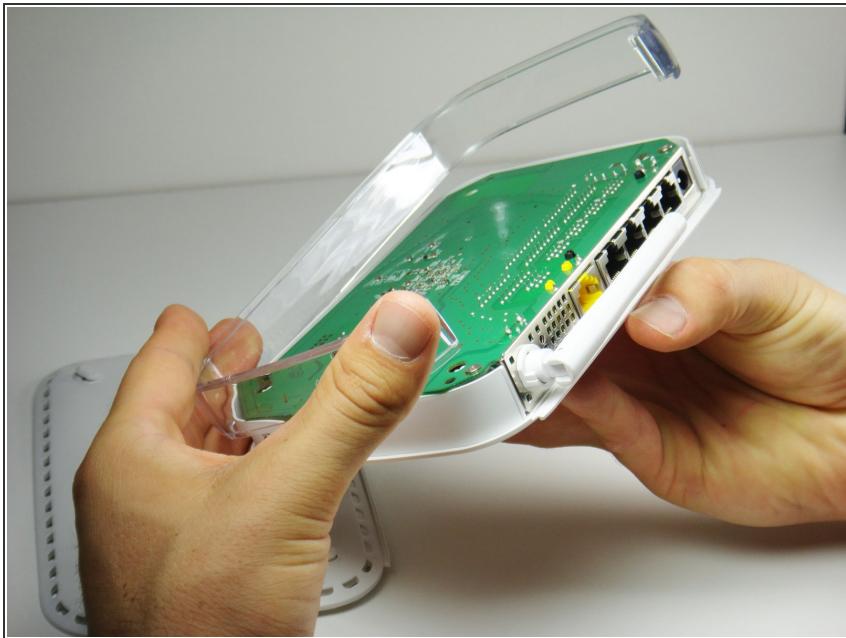
- Unscrew the four 11.8 mm T-8 torx screws from the bottom of the router.

Step 4



- Lift the bottom casing straight up from the router.

Step 5 — Motherboard



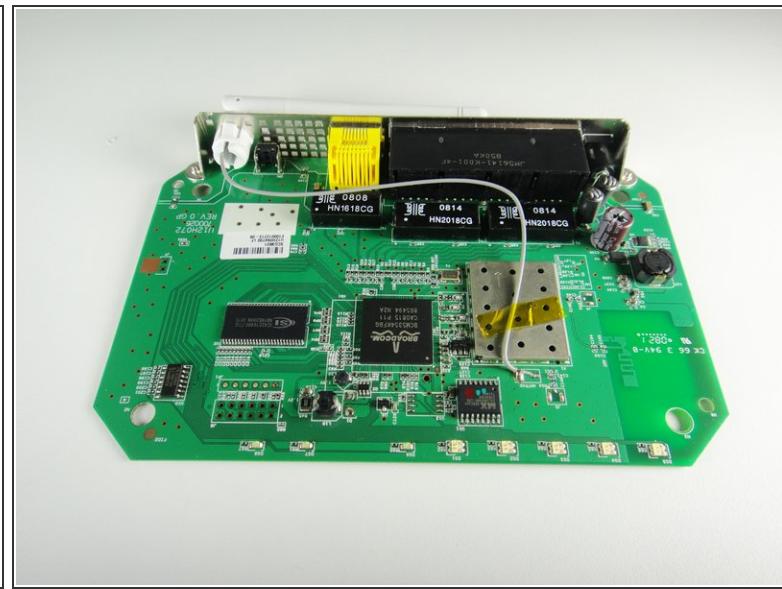
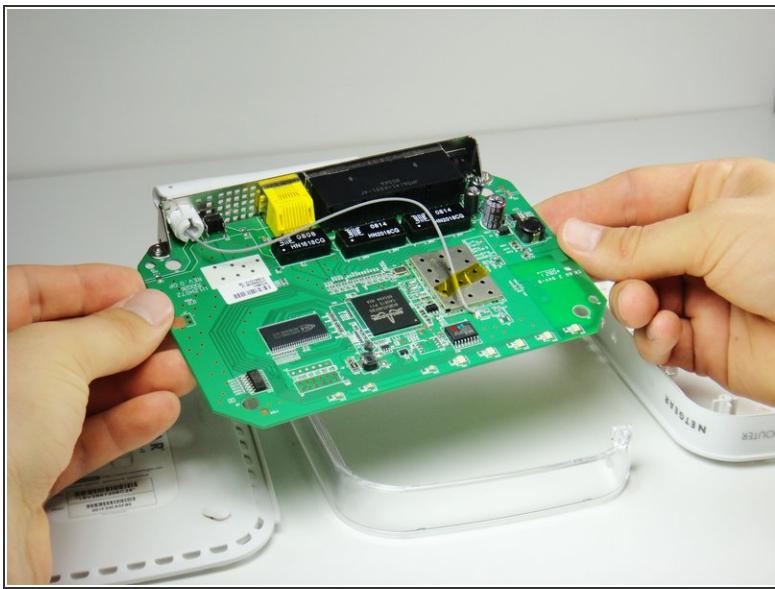
- Remove the clear plastic casing by lifting it straight up from the router.

Step 6



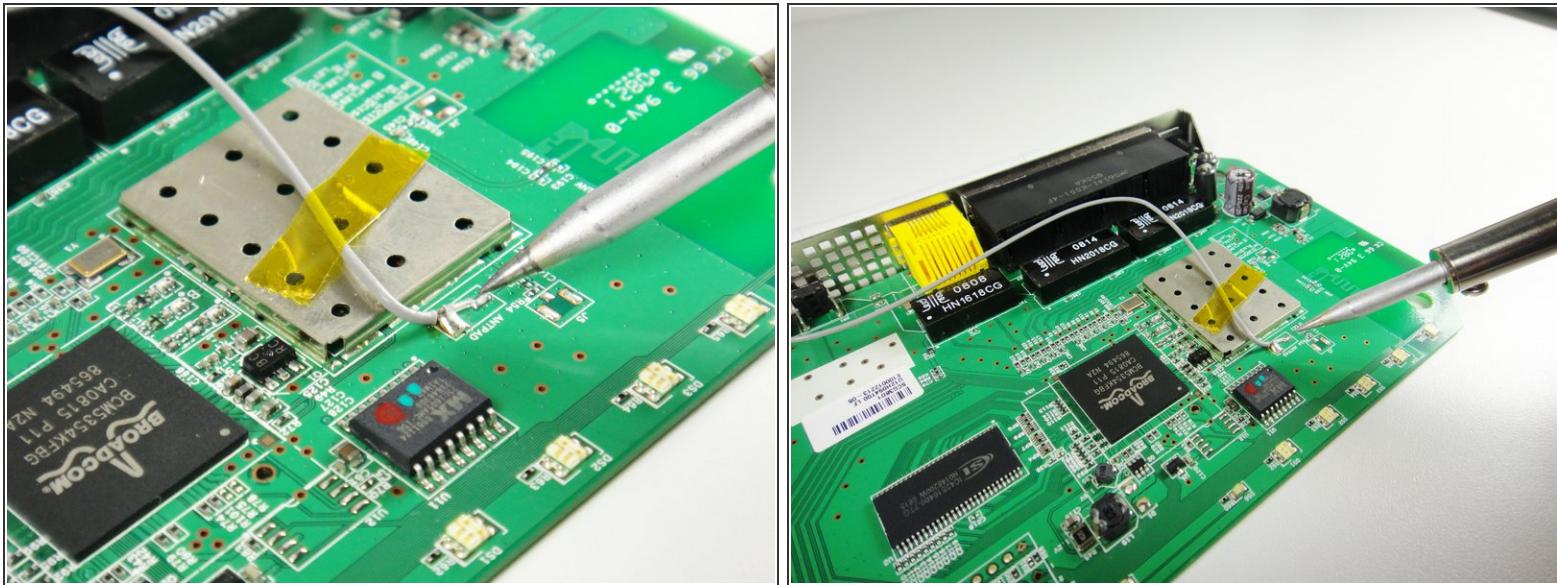
- Separate the motherboard from the top shell by lifting it straight up from the router.

Step 7 — Antenna



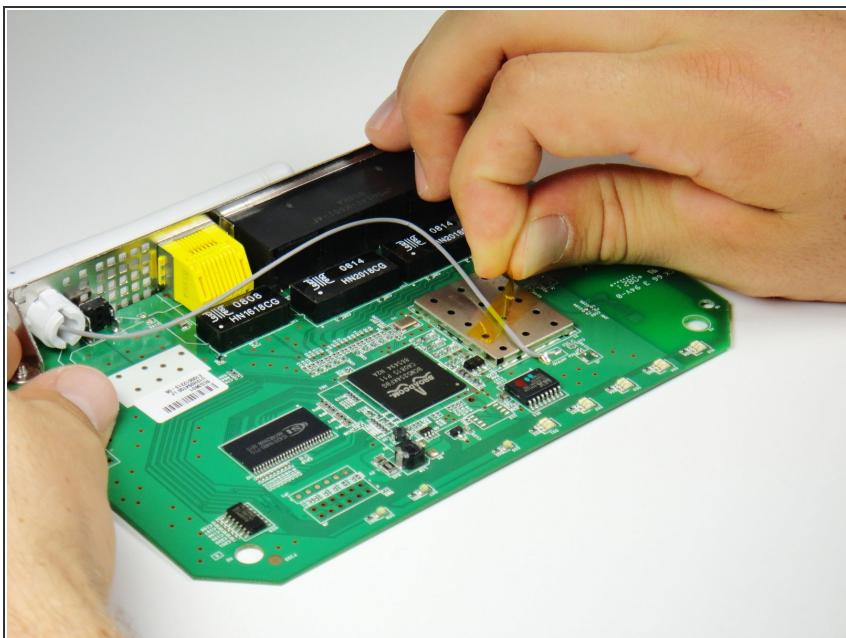
- ⓘ Rotate the motherboard so that the top is facing up.
- Set the motherboard on a flat clean surface.

Step 8



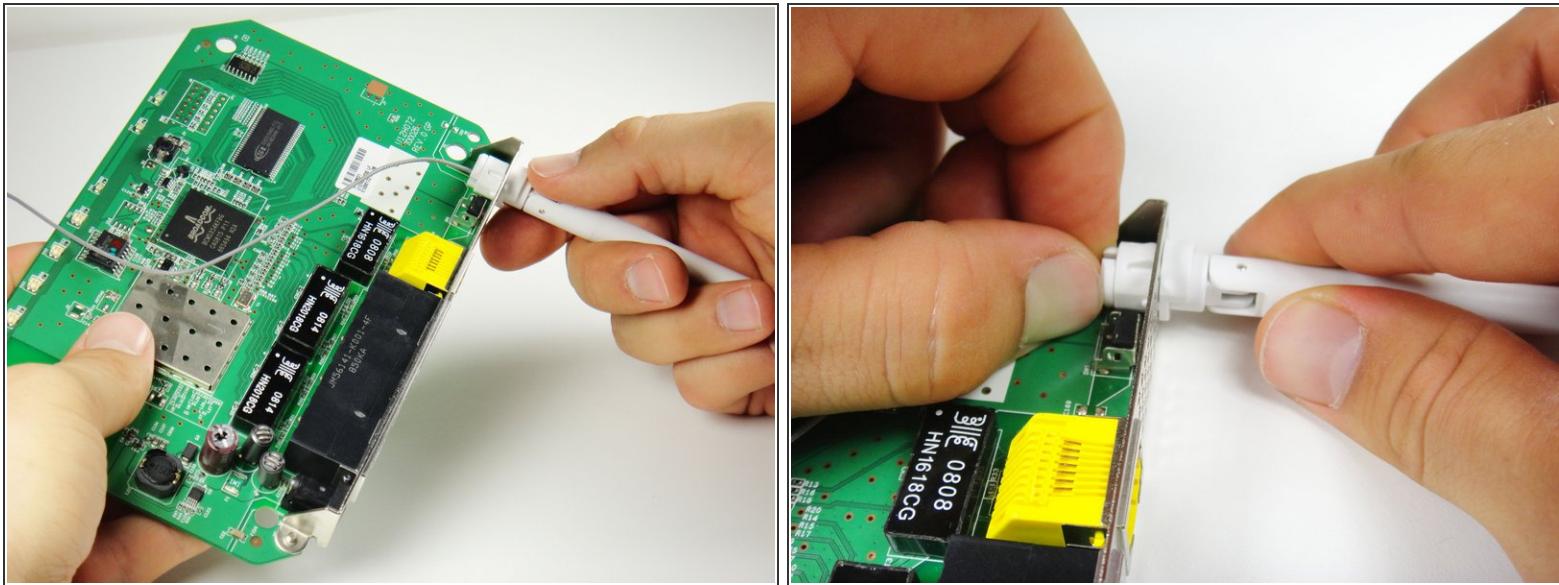
- ⓘ Do not refer to the pictures in this step for proper de-soldering and soldering techniques. They are for illustration purposes only.
- Refer to this [link](#) for proper de-soldering and soldering techniques.
- ⓘ Be patient. This may take some time depending on the quality of your soldering iron.

Step 9



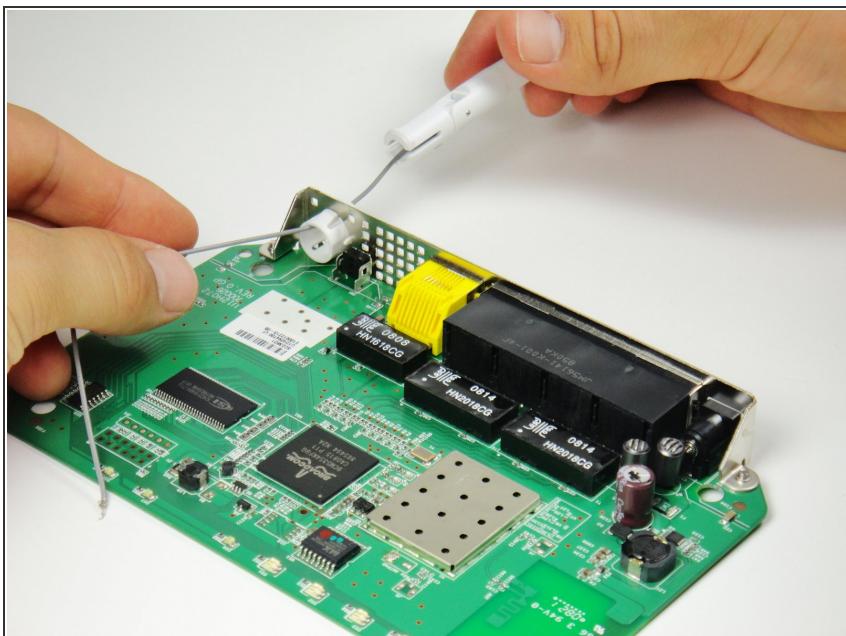
- Peel off the yellow tape holding the wires.
- Set the tape aside on a clean surface so that it can be reused.

Step 10



- ① Extend the antenna outwards from the device so that it is straight.
- Locate the clips that hold the antenna onto the router.
- ① Push the clips in with one hand and pull the antenna out with your other hand. Slightly twist the antenna until it becomes free from the hole.

Step 11



- Pull out the antenna as well as the connected wire.

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