



# Panasonic Toughbook CF-29 Wireless Card Replacement

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## INTRODUCTION

This guide will show you how to remove the wireless card from a Panasonic Toughbook CF-29

### TOOLS:

- [Phillips #1 Screwdriver \(1\)](#)
- [iFixit Opening Tools \(1\)](#)
- [Phillips #0 Screwdriver \(1\)](#)

## Step 1 — Battery



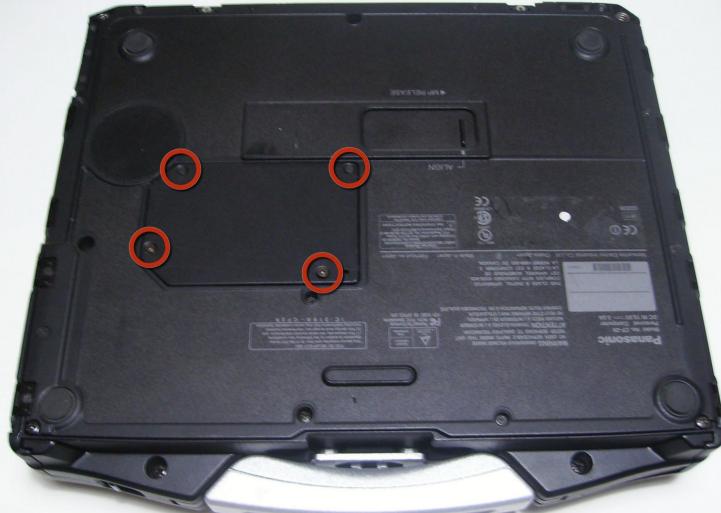
- Locate the bay door for the battery on the left side of the laptop.

## Step 2



- Slide the latch to the right and then down to unlock it.
- Pull out the battery.

## Step 3 — Back Cover



- Begin by turning the laptop upside down with the handle towards you.
- Use a Phillips size 0 screwdriver to remove the 4 screws holding down the ram cover.

## Step 4



- Remove the panel and set it aside.
- Use a Phillips size 0 screwdriver to remove these 8 small screws.

## Step 5



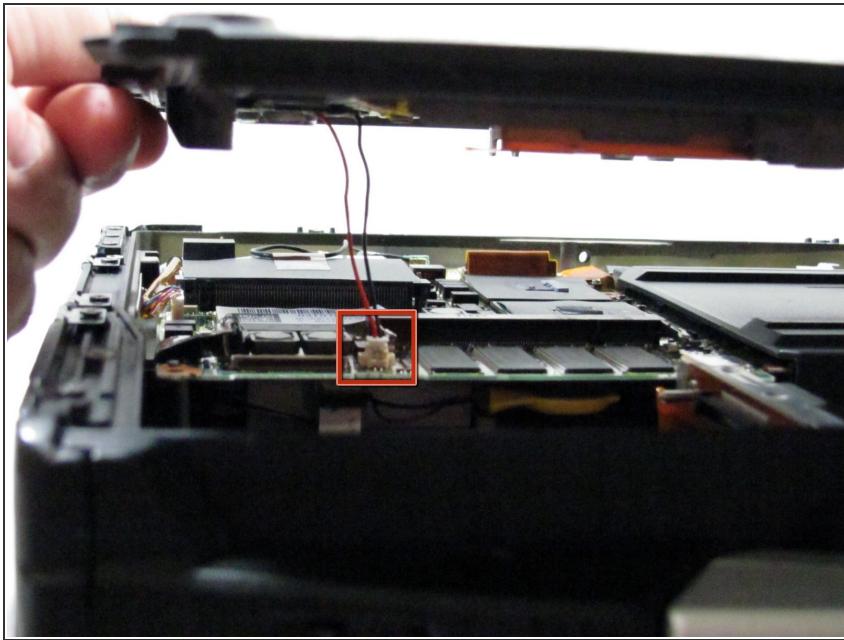
- Use a Phillips size 1 screwdriver to remove the remaining 8 screws.

## Step 6



- Use a plastic opening tool to release, but NOT remove, the back cover because it is sealed with adhesive.

## Step 7



⚠ Be careful when lifting the cover as you may damage some connections.

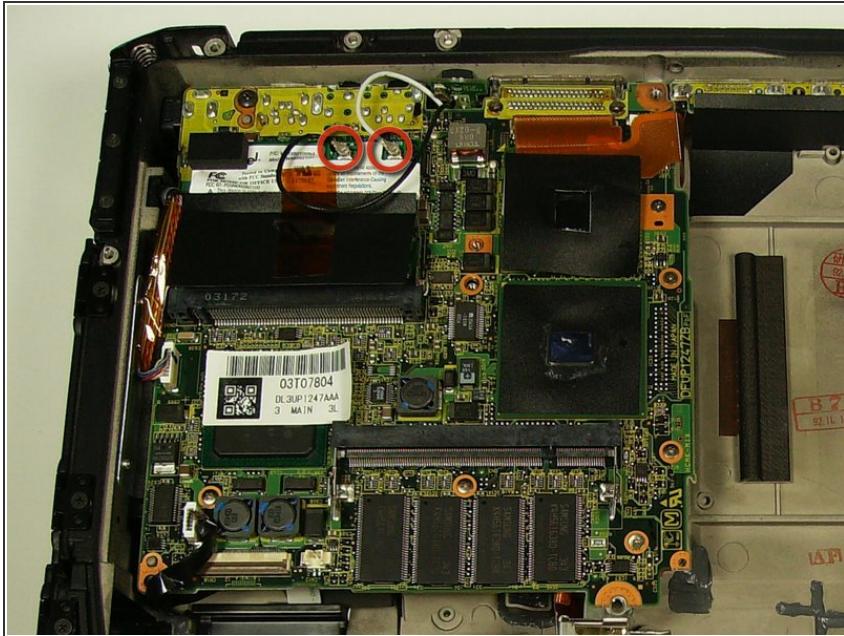
- Slowly lift the cover so that you can disconnect the red and white wires connecting the speaker to the sound card.

## Step 8



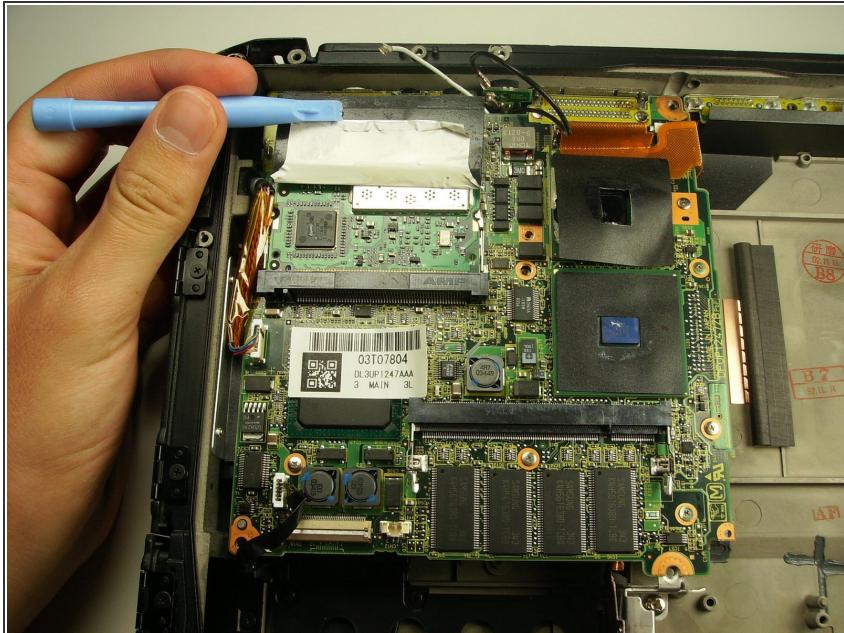
- Now the back cover should be off and you can access the inside of the casing.

## Step 9 — Wireless Card



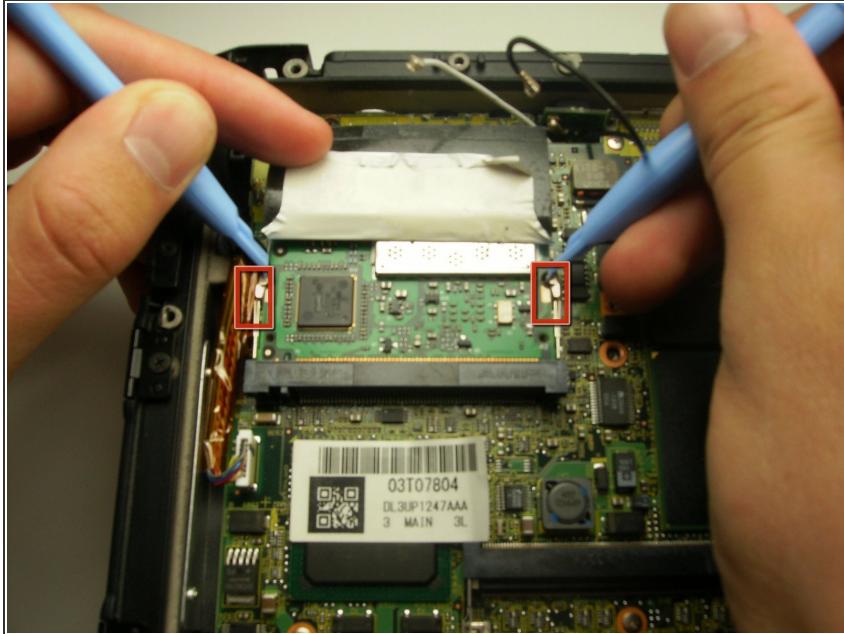
- Remove the black and white wires attached to the wireless card by simply pulling up.

## Step 10



- Peel back the black cover to expose the clips holding in the wireless card.

## Step 11



- Using a pair of plastic opening tools, push the two metal tabs away from the card.

## Step 12



- The wireless card should now easily disengage from the motherboard.
- Pull the card horizontally away from you to remove it from its housing.

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