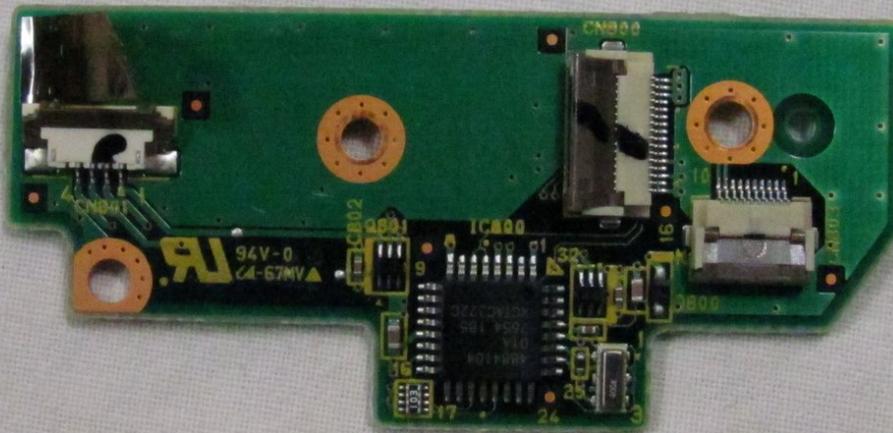




Panasonic Toughbook CF-29 Trackpad Board Replacement

Written By: Dylan Bloom



INTRODUCTION

This guide will show you how to gain access to and replace the track pad board in your Panasonic CF-29.

TOOLS:

- [Phillips #00 Screwdriver](#) (1)
 - [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 — Hard Drive



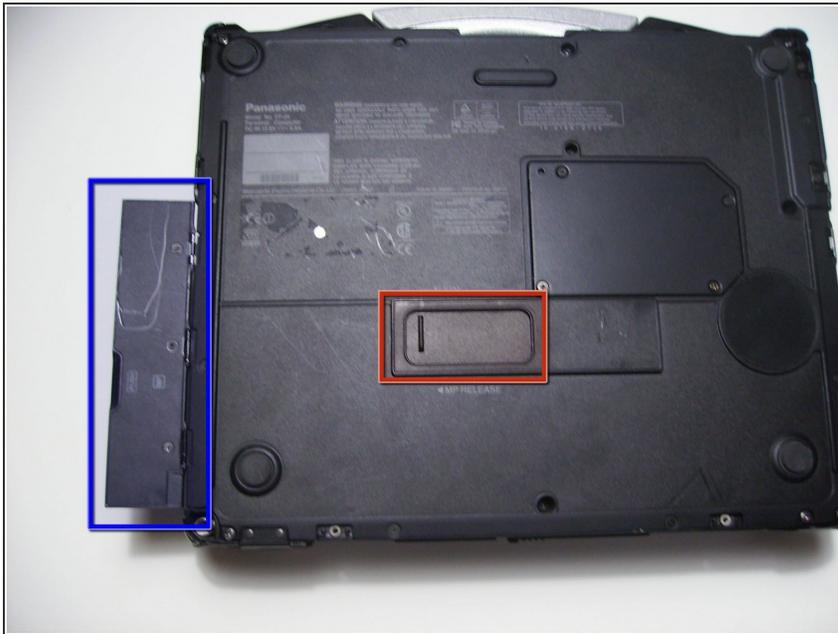
- Locate the door for the hard drive on the right side of the laptop

Step 4



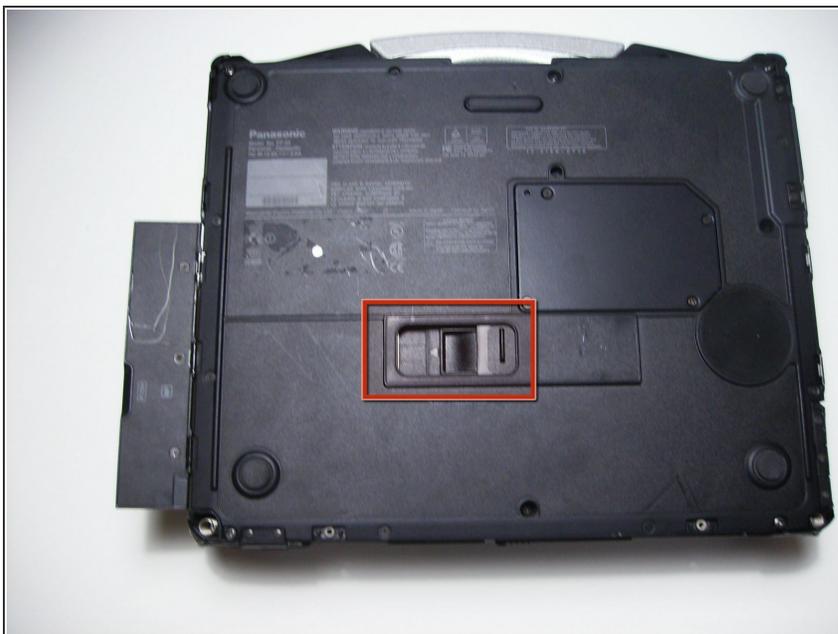
- Push and slide the latch up to open the hard drive door.
- Pull out the hard drive.

Step 5 — Optical Drive



- Flip the device upside down with the handle facing away from you.
- Open the optical drive bay by sliding its latch to the right.
- Locate optical drive release mechanism on the bottom of the laptop.

Step 6



- Slide the latch cover to the right.

Step 7



- Push the exposed switch to the left to eject the optical drive.

Step 8 — 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 9



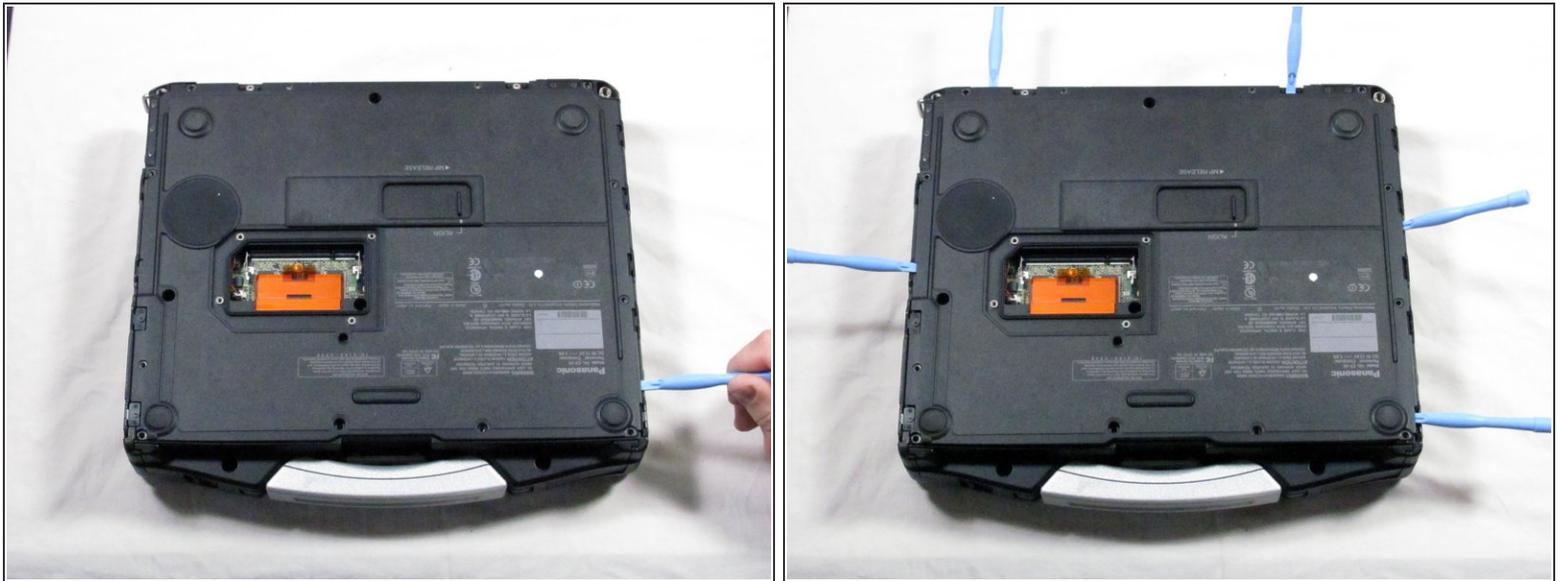
- Remove the panel and set it aside.
- Use a Phillips size 0 screwdriver to remove these 8 small screws.

Step 10



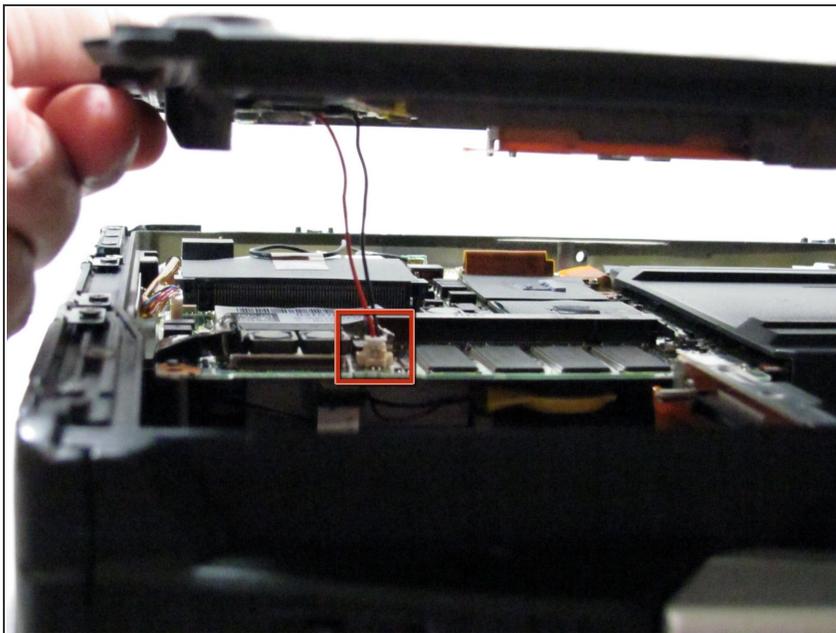
- Use a Phillips size 1 screwdriver to remove the remaining 8 screws.

Step 11



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

Step 12



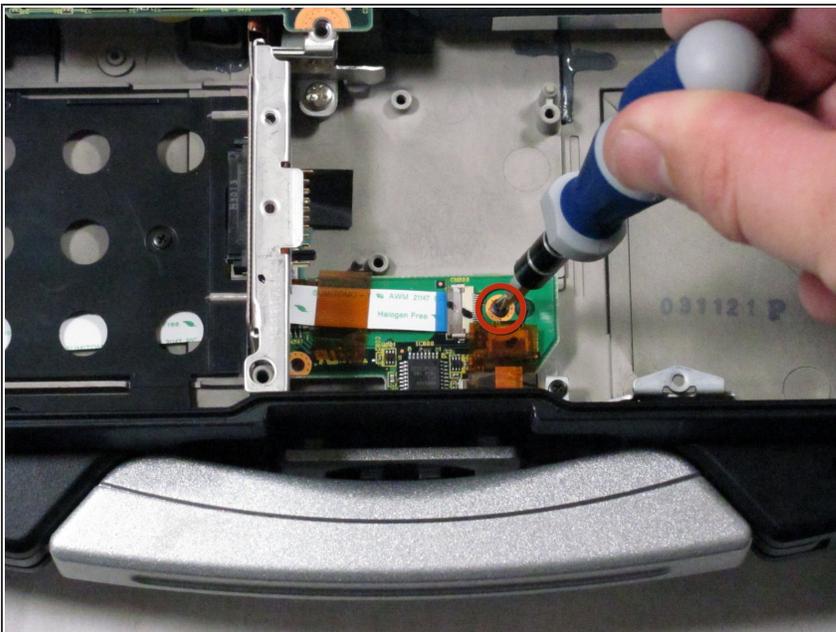
- ⚠ Be careful when lifting the cover as you may damage some connections.
- Slowly lift the cover so that you can disconnect the red and white wires connecting the speaker to the sound card.

Step 13



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

Step 14 — Trackpad Board



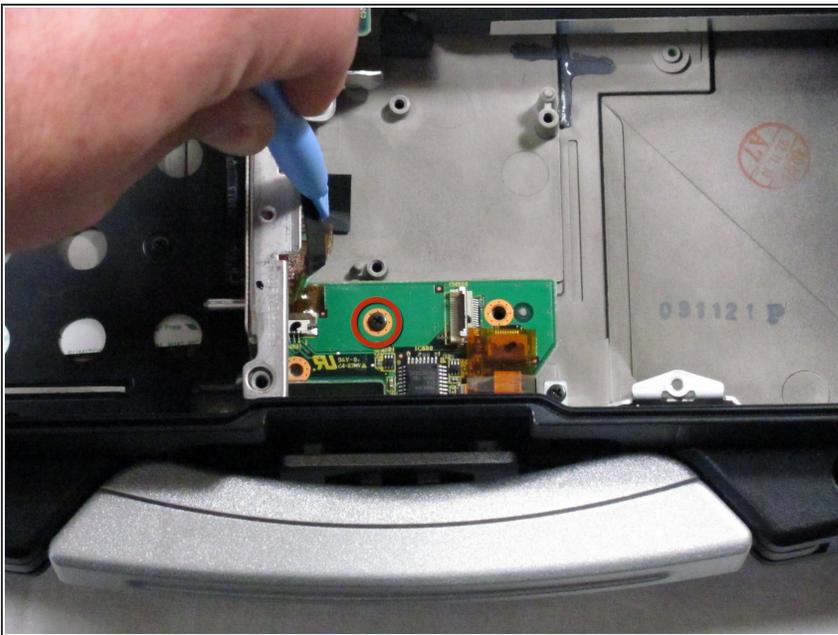
- Locate the track pad chip near the handle.
- Remove the upper right screw.

Step 15



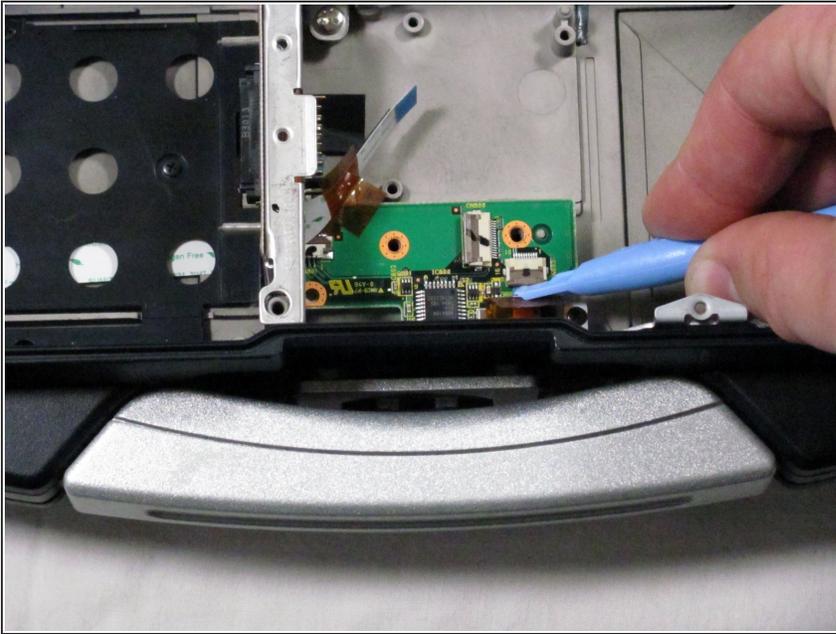
- Use a pry bar to detach the white ribbon cable shown.
- Push the brown tab to release the cable

Step 16



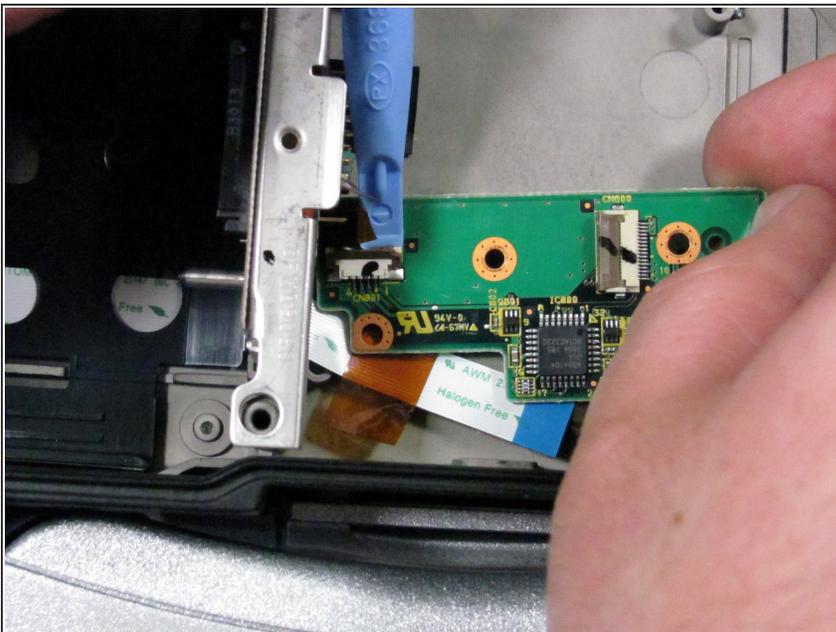
- Remove the screw that was previously concealed under the now removed ribbon cable.

Step 17



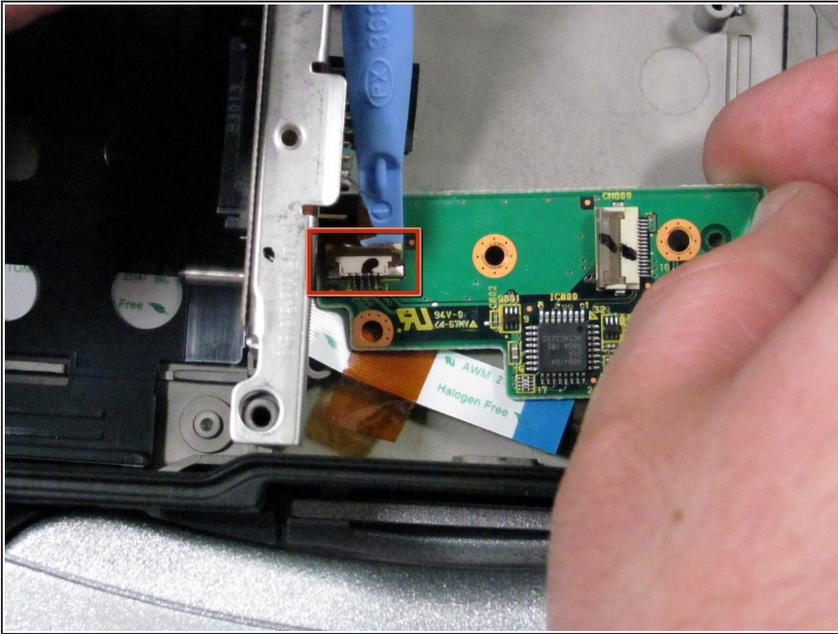
- Remove the rightmost ribbon cable
 - Pry up the brown clip
 - Tug the cable out

Step 18



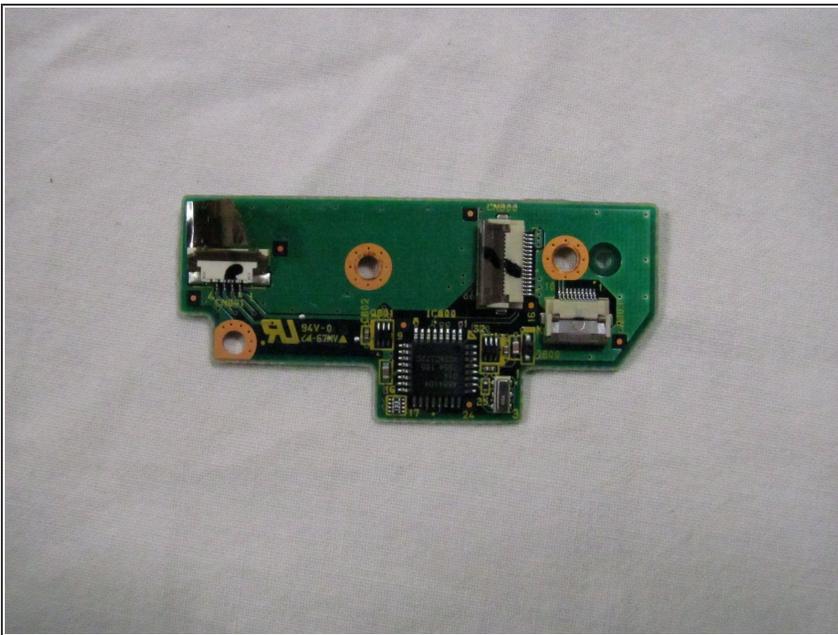
- Pull the track pad slightly up and to the right.
- ⚠ Do not completely remove the circuit board because it is still attached.

Step 19



- Remove the last ribbon cable.
- Pry up on the brown part to release the ribbon cable.

Step 20



- You have successfully removed the track pad board.

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