



Panasonic Toughbook CF-29 Keyboard Replacement

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INTRODUCTION

This guide will show you how to remove the keyboard from the main unit.

TOOLS:

- [Phillips #0 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Battery



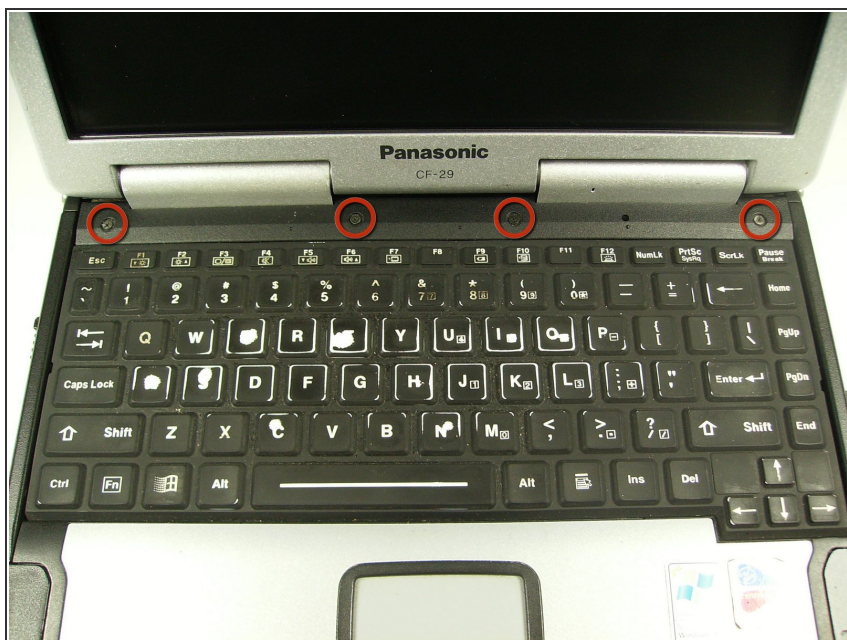
- Locate the bay door for the battery on the left side of the laptop.

Step 2



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

Step 3 — Keyboard



- Remove the four screws above the keyboard using a Phillips #0 screwdriver.

Step 4



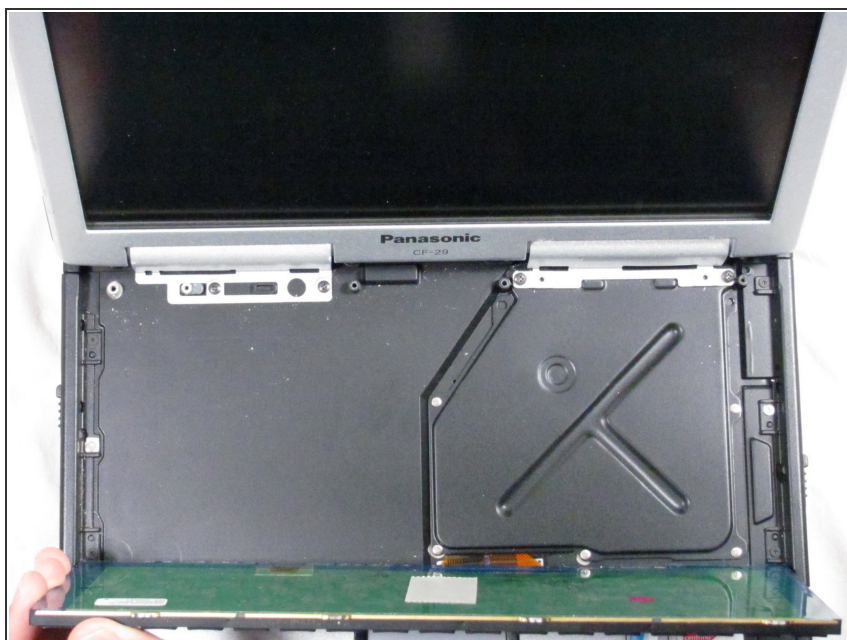
- Pry up the black panel covering the top of the keyboard.

Step 5



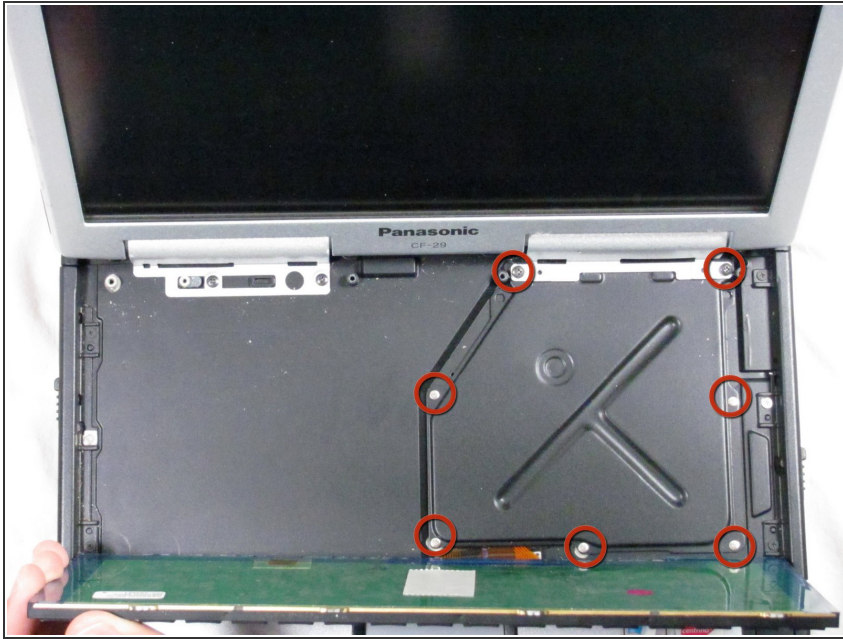
- Remove the five silver screws shown.

Step 6



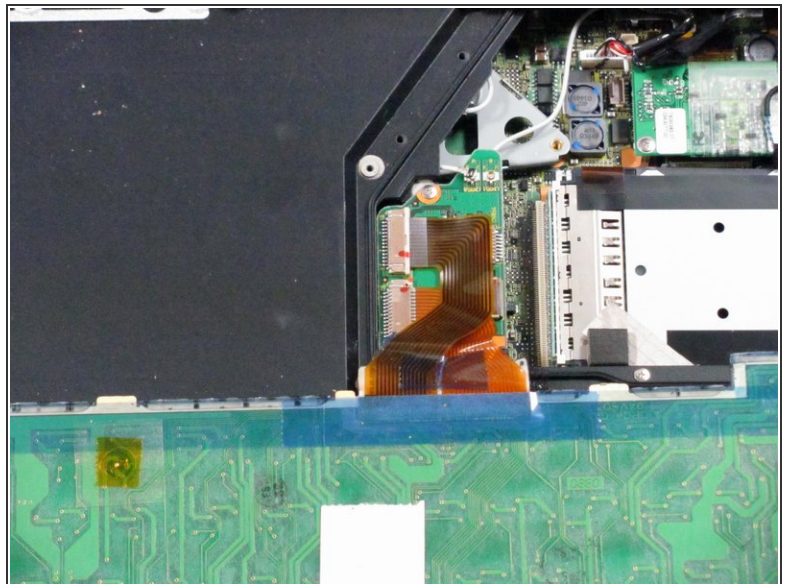
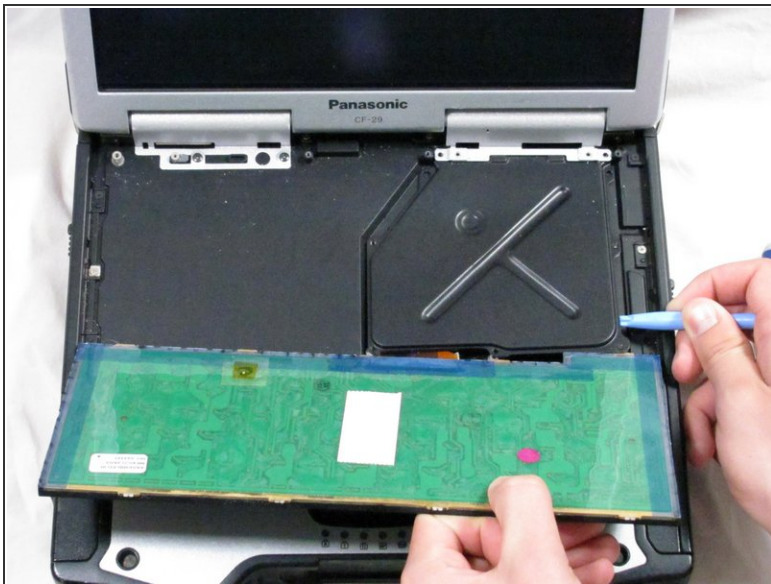
- Pull up keyboard and place it face down on the trackpad
- ⚠ Be careful not to put tension in the ribbon cables attached to the underside of the keyboard

Step 7



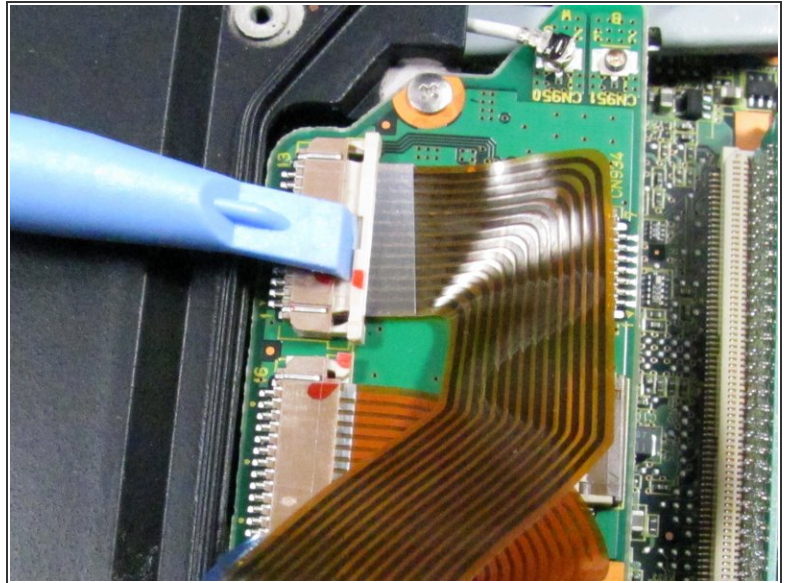
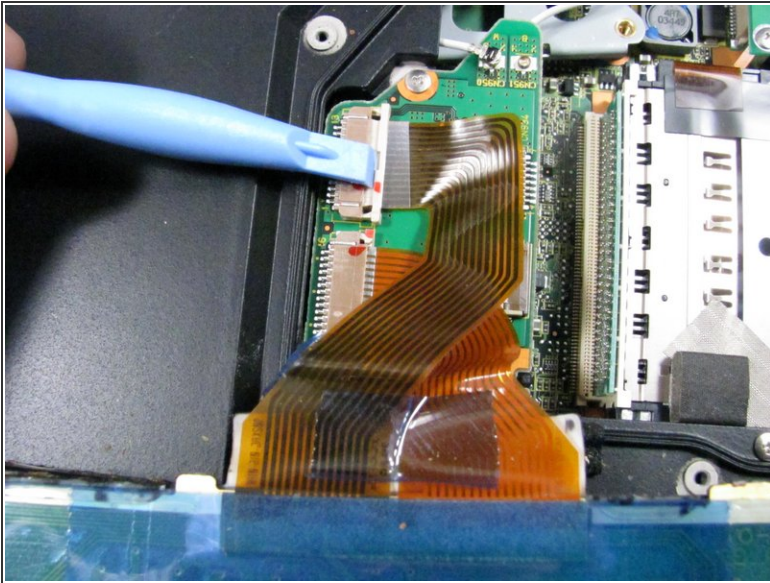
- Remove screws shown from cover plate

Step 8



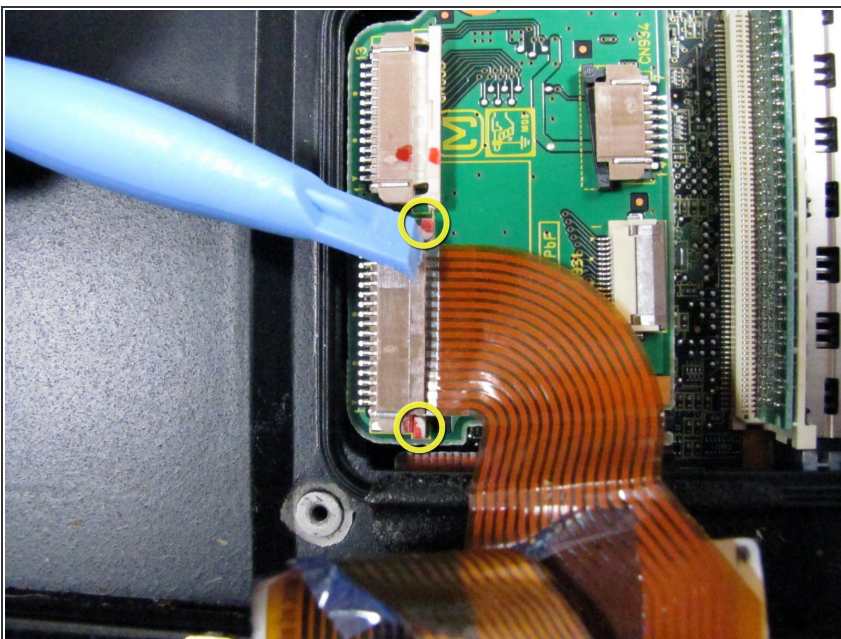
- Pull cover plate out of place revealing the ribbon cable connections to the motherboard

Step 9



- Remove the ribbon cable farthest from you.
- Push the white tab (as shown in the second photo) to release the ribbon cable.

Step 10



- Remove both ribbon cable by pulling 2 white tabs on either side of the cable to the right

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

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