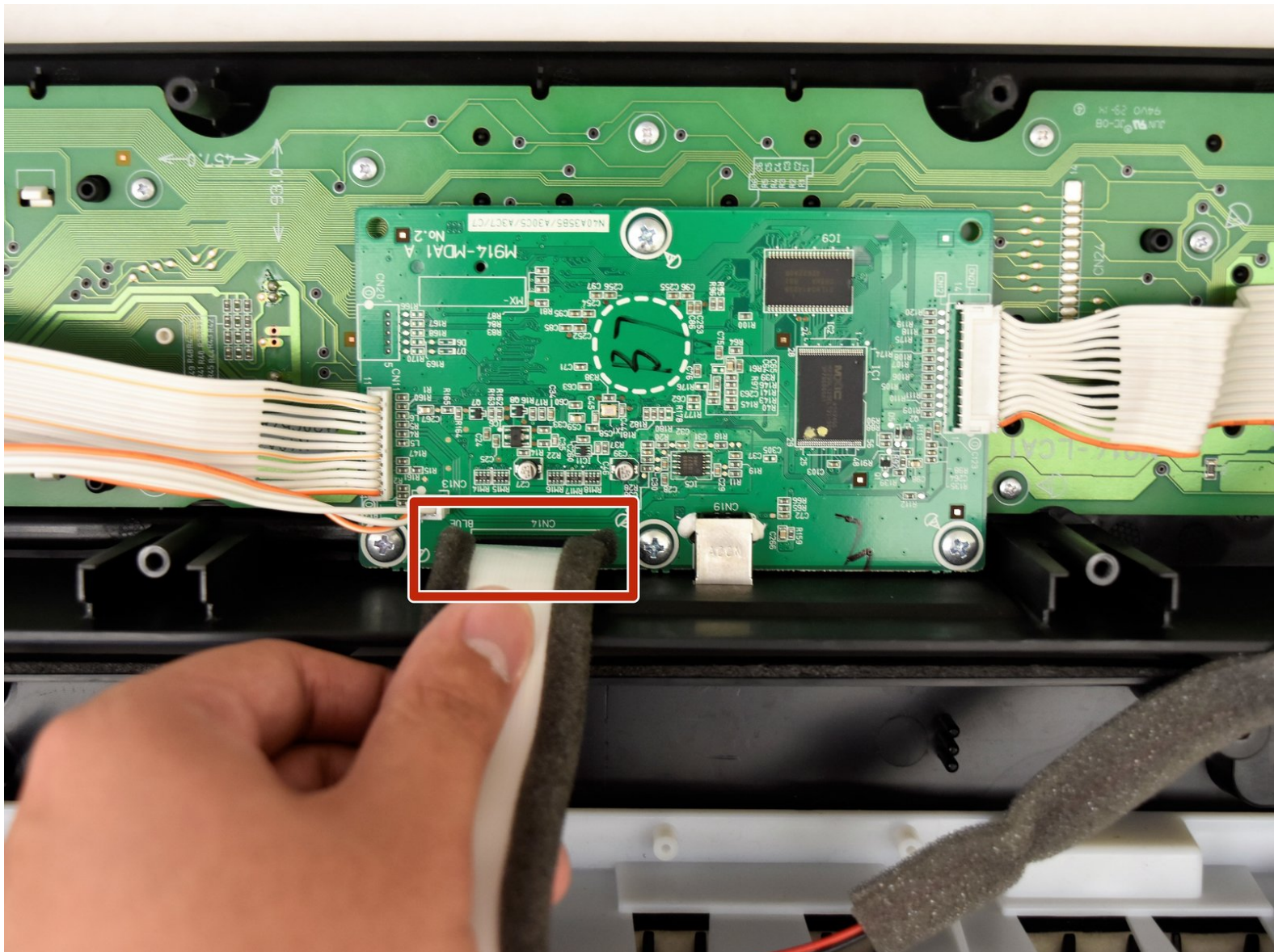# CASIO CDP-230R Main Circuit Board Replacement

This guide will teach you how to replace the main circuit board in the CASIO CDP-230R.

Written By: Gavin Chao

INTRODUCTION

This guide will teach you how to replace the main circuit board in the CASIO CDP-230R.

🔧 TOOLS:

- JIS #1 (1)

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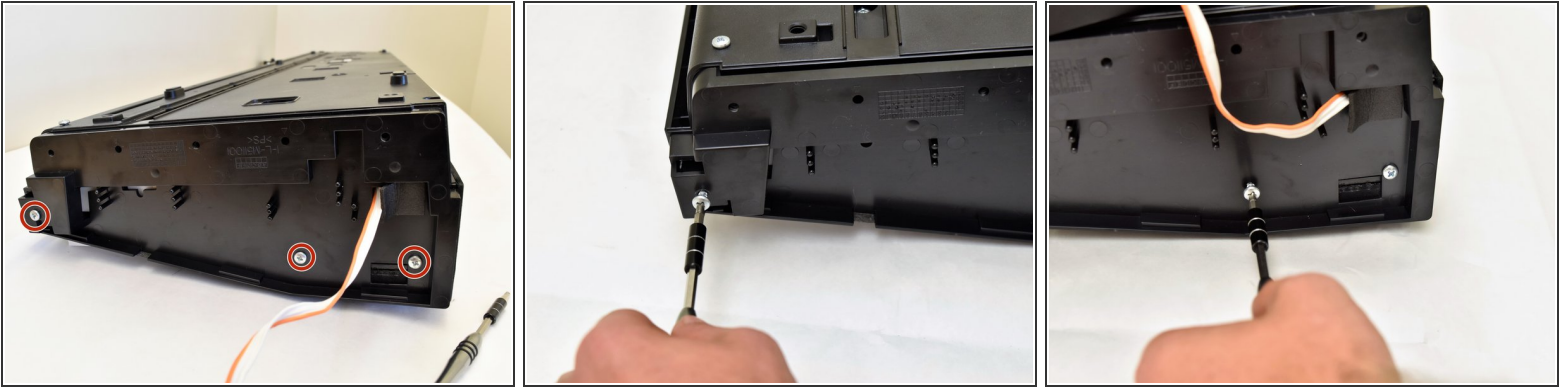
Step 1 — Panels

- Flip the keyboard upside down, with the keys on a flat surface.

- Remove the three black 14mm Japanese Industrial Standard (J) head screws using a J1 screwdriver on the top half of the outermost side panel.

Step 2

- Use two hands to grab the side panel from both sides.

- Pull the panel apart from the device one side at a time.

- ⓘ There will be popping sounds when you remove this panel.

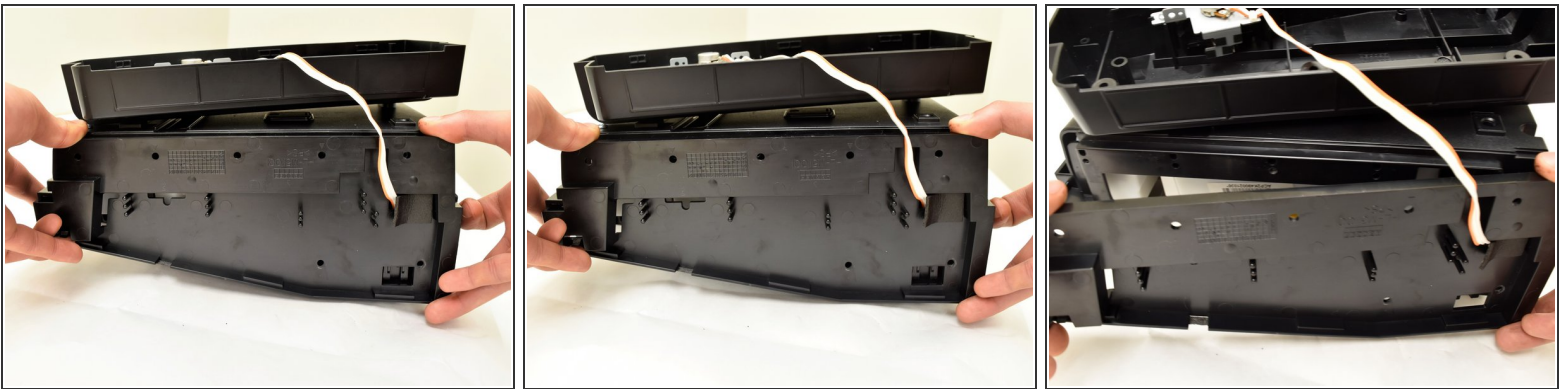- ⓘ One side panel will not have an orange & white cable connected to it.

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Step 3

- Remove the three silver 10mm screws with a J1 screwdriver on the bottom half of the innermost side panel of the device.

- (i) One side panel will not have an orange & white cable running through.

Step 4

- Remove the innermost side panel by pinching the top and bottom of the panel and pulling the panel off with both hands.

- (i) There will be popping sounds when you remove this panel.

- (i) Repeat steps one through four to remove the other side panel of the keyboard.

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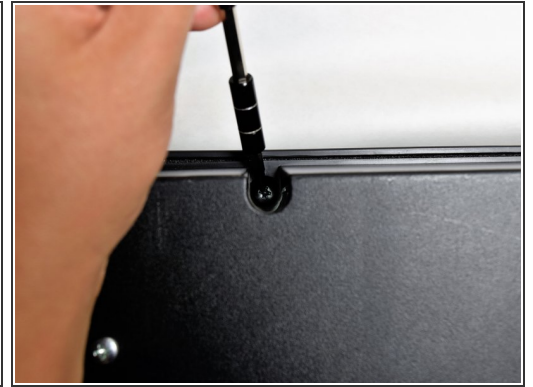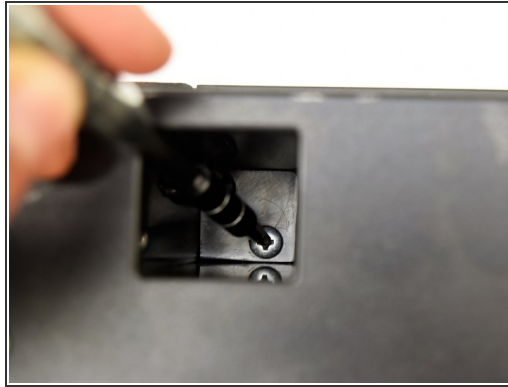
Step 5

- Remove the two black 30 mm J head screws with a J1 screwdriver to remove the long black bar.

- Remove the four silver 8mm x 2mm J head screws with a J1 screwdriver and the two brackets from the back panel.

- (i) There will be two screws per bracket.

Step 6

- Remove the eight silver 10mm x 1.5mm J head screws with a J1 screwdriver and the square tabs from the back panel.

- Remove the eight silver 10mm J head screws with a J1 screwdriver underneath the square tabs.

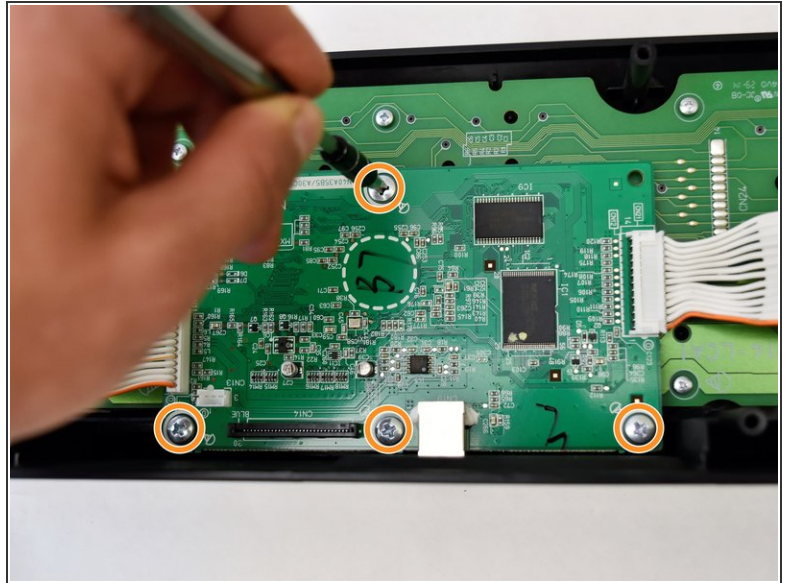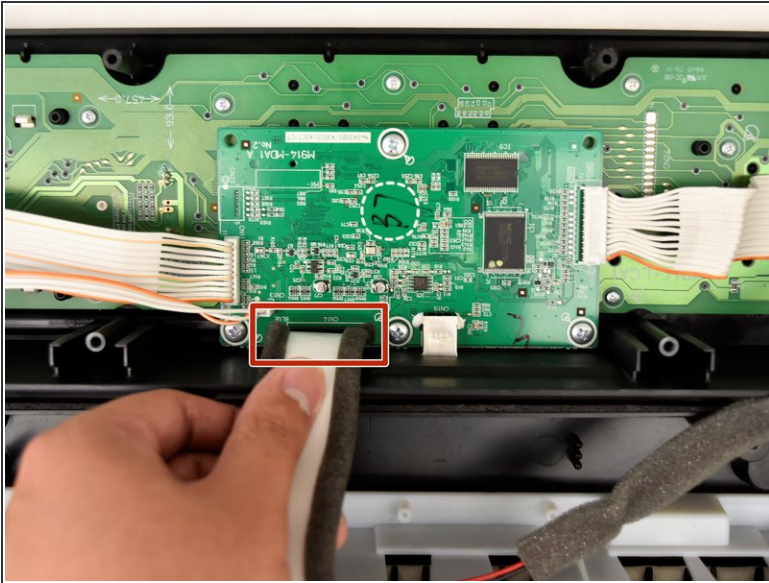This document was generated on 2020-11-27 04:39:24 PM (MST).

Step 7

- Remove the 36 silver 10mm J head screws with a J1 screwdriver from the back panel.
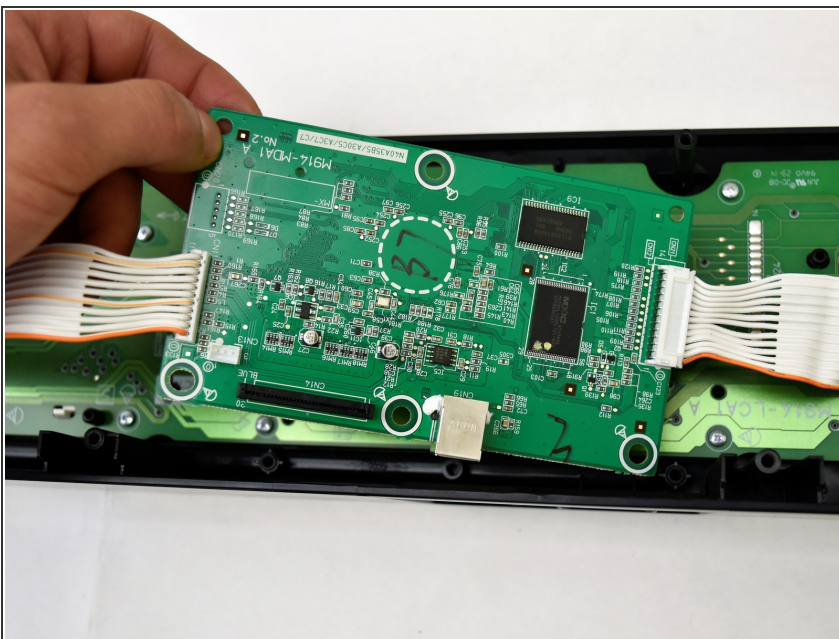
Step 8

- Place a hand on the front panel and speakers and carefully flip the keyboard over with the keys facing up.

- ⓘ Having a extra pair of hands will be useful.

- Grab the center of the front panel with two hands and lift to remove panel.

- Grab the speakers from the sides and lift to remove. Once you have done this for the first speaker, repeat with the second speaker.

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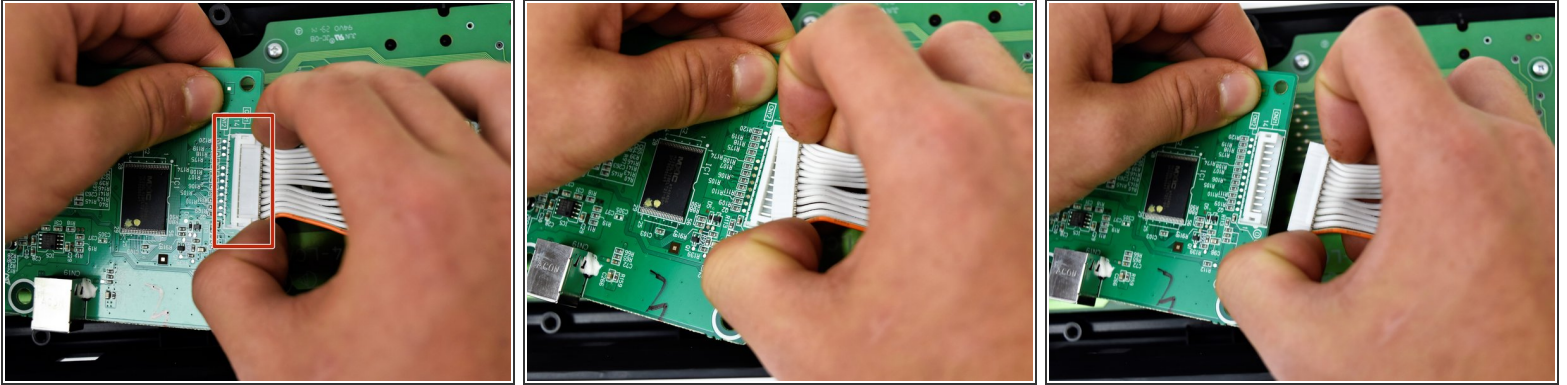
Step 9 — Main Circuit Board

- The main circuit board is located on the green side of the button panel. The main circuit board is the smaller green board.

- Grasp the white ribbon lined with foam and pull up to remove from the main circuit board.

- Remove the four silver 8mm x 2mm J head screws with a J1 screwdriver.

Step 10

- Lift the main circuit board from the button panel.

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Step 11

- Grip the white plastic end of the orange and white cables that is attached to the right side of the main circuit board and pull to the right.

- Repeat for the orange and white cables attached to the left side of the main circuit board and pull up.

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