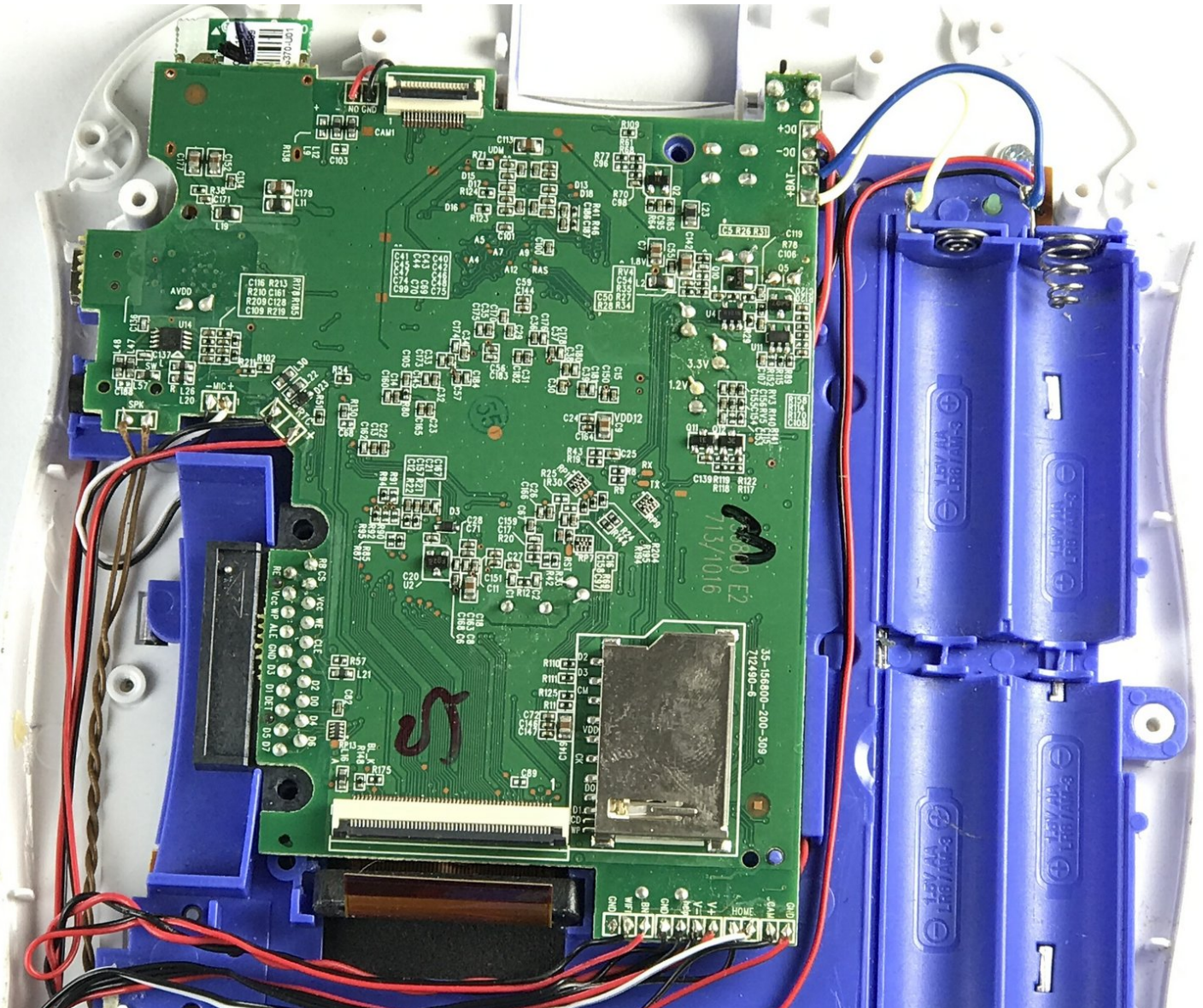# VTech InnoTab 2S Motherboard Removal

In this guide you will learn how to remove the motherboard from the device.

Written By: Ricardo Espinosa

INTRODUCTION

To begin the removal of the circuit board you first need to remove the back cover from the device.

🔧 TOOLS:

- JIS Driver Set (1)
- iFixit Opening Tools (1)
- Metal Spudger (1)
- Spudger (1)

Step 1 — Back Panel

- Turn your device to where the back panel is facing you.
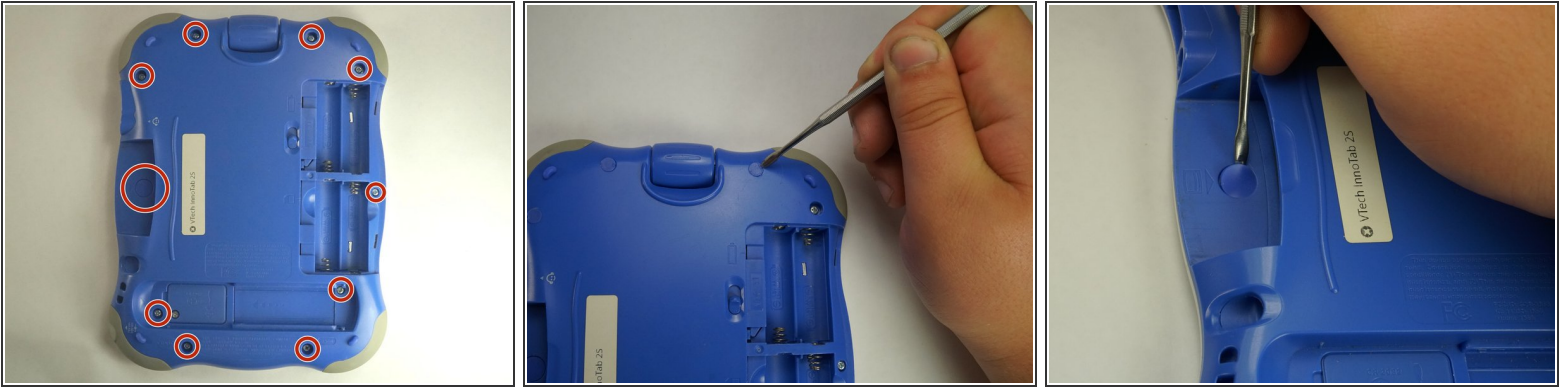
Step 2

- Lift the Leg all the way up and twist the bottom to remove.
  - Once the bottom part pops out the whole leg should just come off.
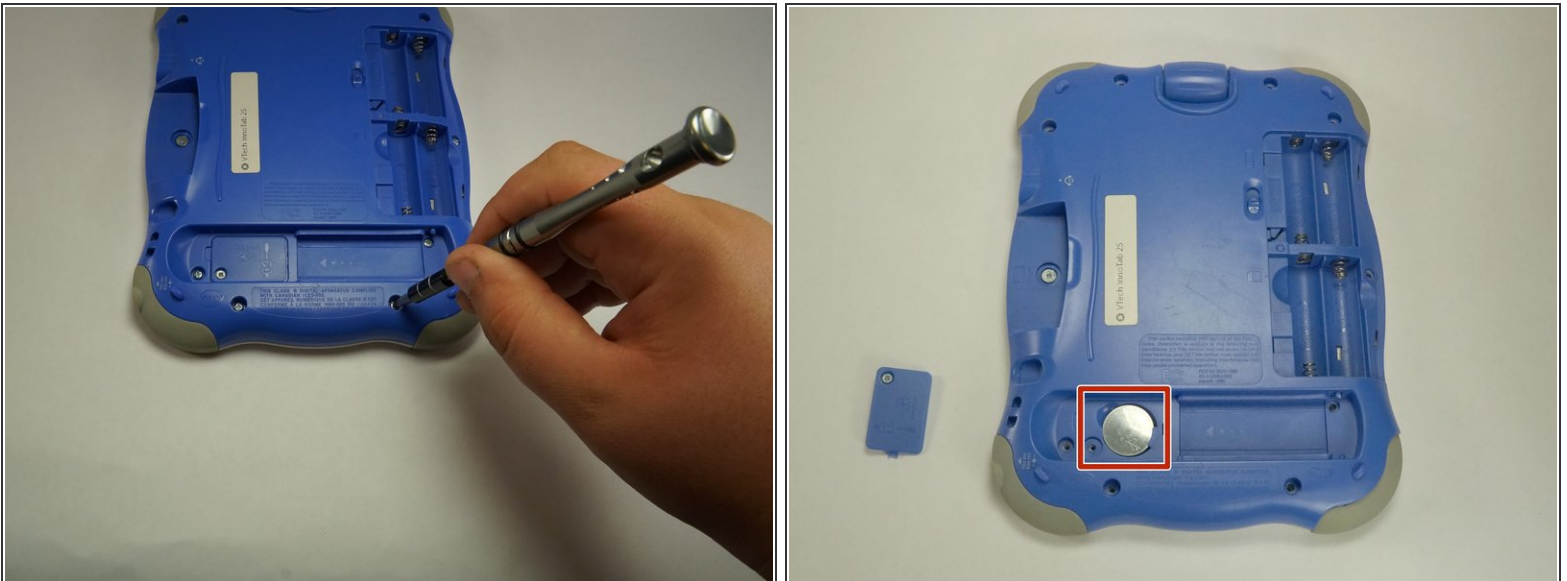 - Remove any game cartridge from the device.

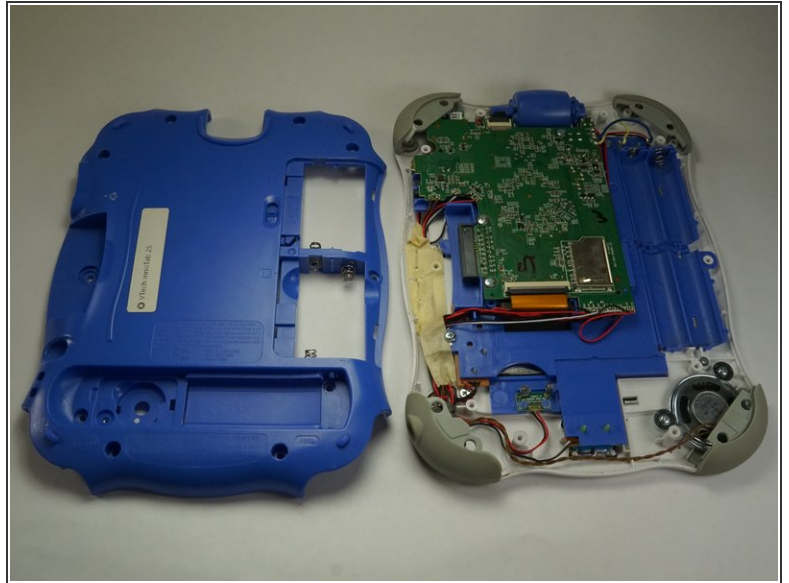This document was generated on 2019-09-22 02:11:21 PM (MST).

Step 3

- Remove all of the plastic tabs on the device. These are covering screws that will need to be removed.

  ⚠ These covers are made of hard plastic so they may be difficult to remove.

- There is a special tab in the cartridge cover that is made of rubber, make sure to not break this tab.
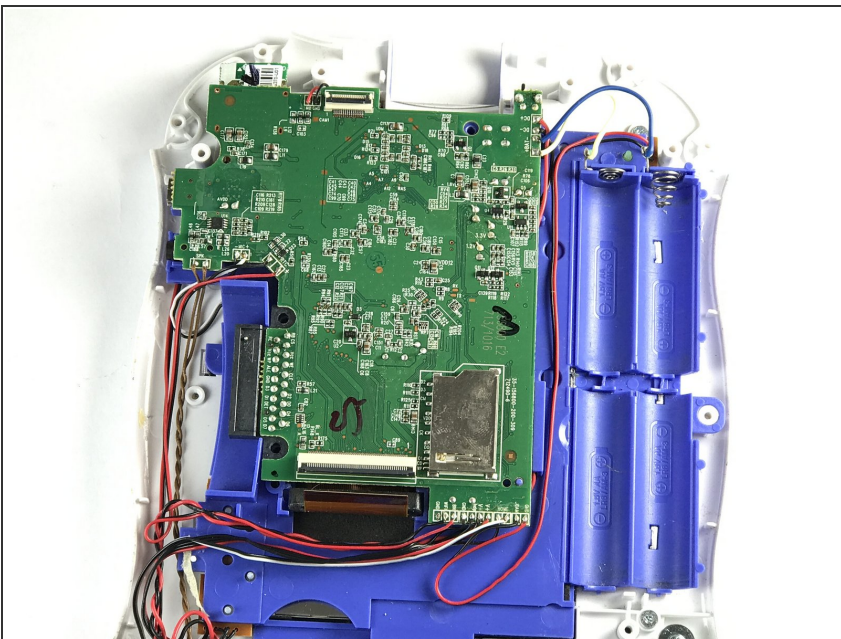
Step 4

- Remove all nine screws from the back of the device using a J0 bit.

- Remove the small battery.

Step 5

- Using a plastic opening tool, detach the backplate from the front piece.

  ⚠️ Do not use excessive force. Double check that you removed all the screws if the panel is not coming off easily.

- Once the backplate has been removed, you will have access to the circuit board.
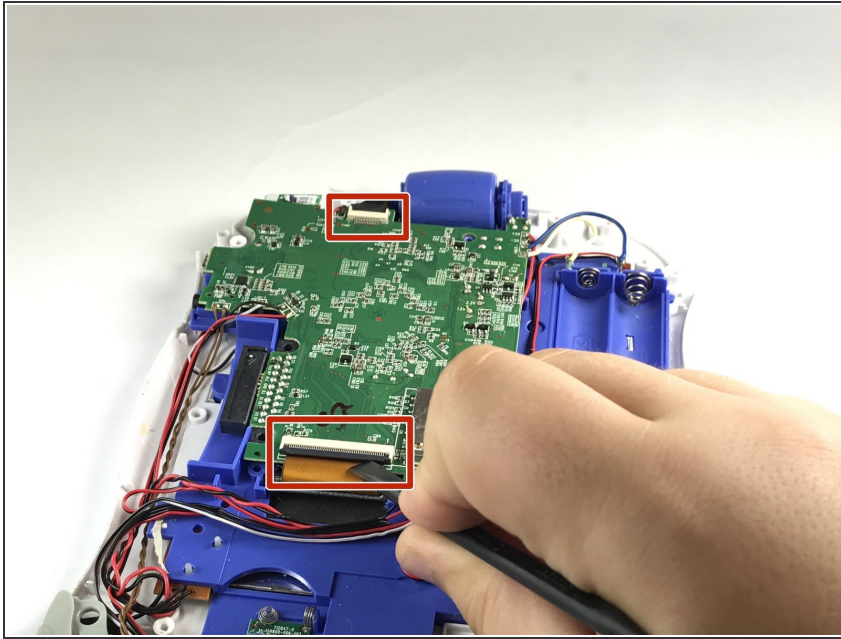
Step 6 — Motherboard

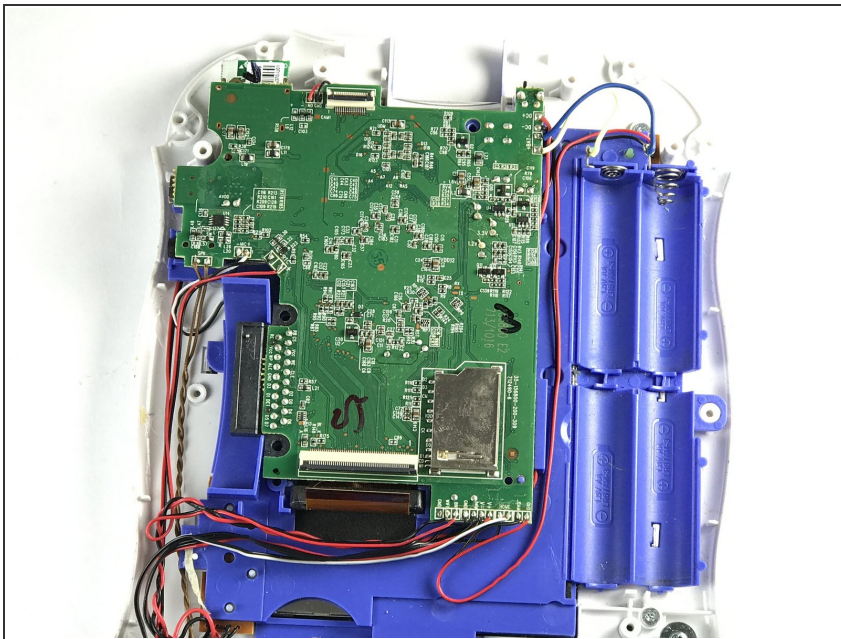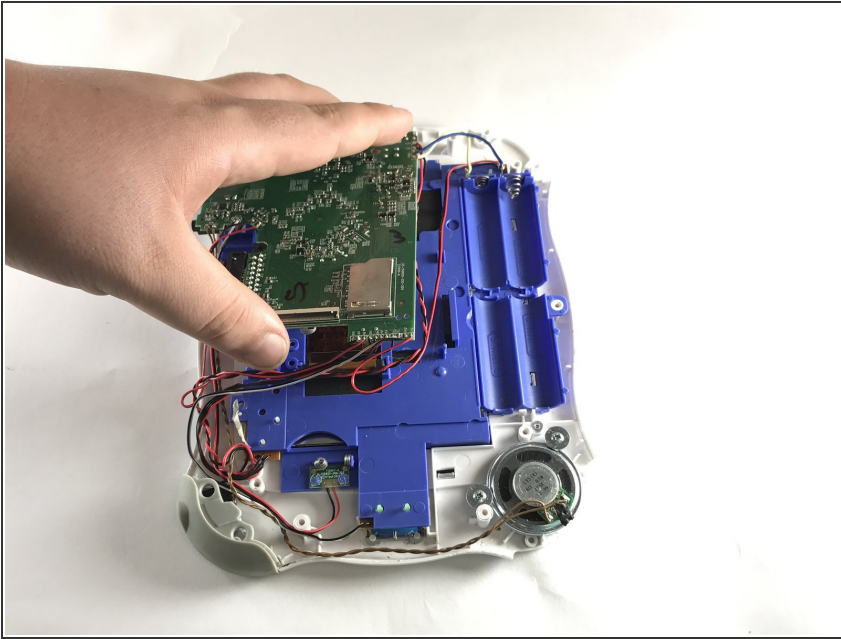- First begin by removing the three cross-head screws using a J0 bit.

Step 7

- First remove the ribbon cables. There are two highlighted by the red squares
  - Do not apply too much pressure and make sure that the black plastic tabs are fully open before you pull the cable out.
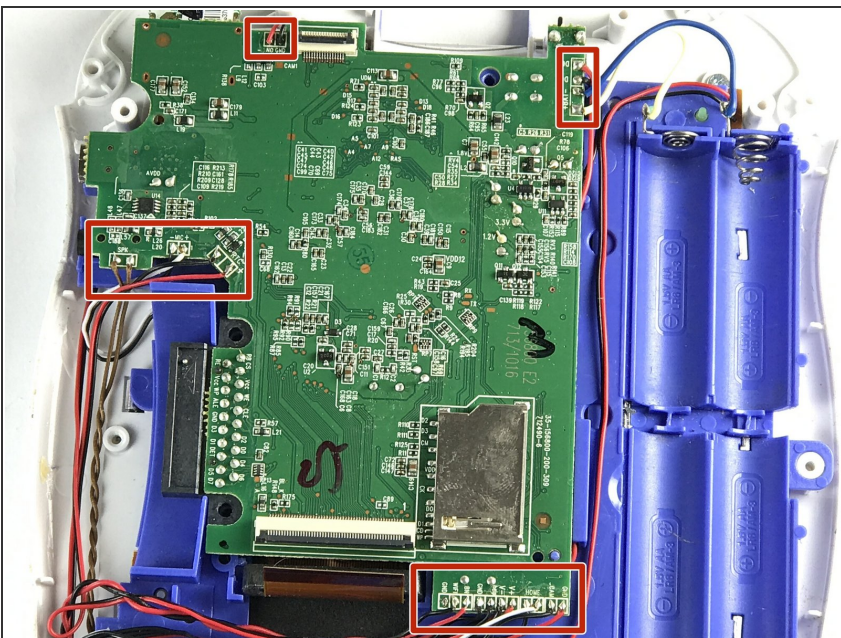
Step 8

- Remove the camera from the assembly and put is a safe place so that it will not get damaged.

Step 9

- Remove the board from the main assembly.
  - Be careful not to pull too hard so that the cables aren't broken.

Step 10

- De-solder the points shown to fully remove the cables and free the board.
  - ⓘ A soldering guide offered by IFIXIT can be found here [Soldering Skills](#).