



VTech Safe and Sound DM111-2 Baby Unit Motherboard replacement Guide

This guide will teach how to proceed with the replacement of the baby units motherboard.

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INTRODUCTION

You will need knowledge of how to use a soldering iron. For more information regarding soldering visit: [Soldering Skills](#)

Used for mother board replacement and repair If the unit starts behaving erratically. Along the process you will determine if the behavior is not due to a faulty power jack, wires, and or microphone. If so proceed with motherboard replacement.

TOOLS:

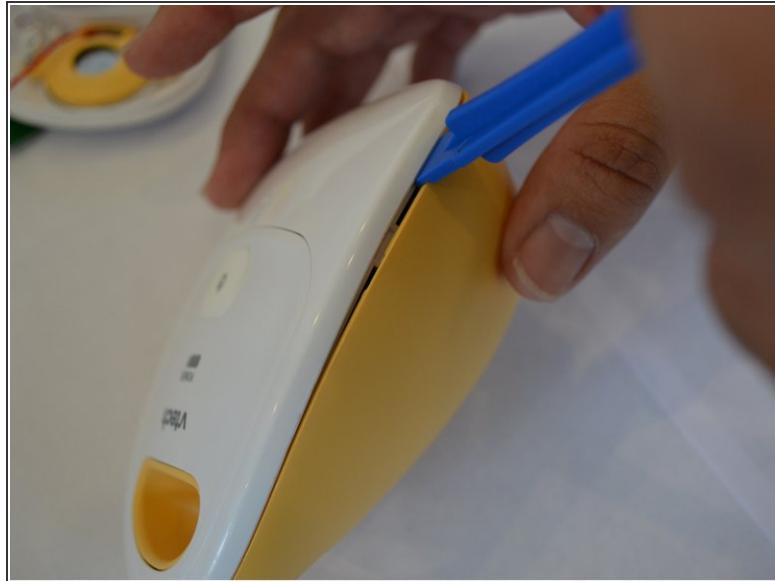
- Portable Soldering Iron (1)
- Phillips #0 Screwdriver (1)

Step 1 — Baby Unit Motherboard replacement Guide



- Along the back of unit there are two 4mm philips head screws towards the bottom of the unit. Start by removing these two screws using your PH0 screwdriver.

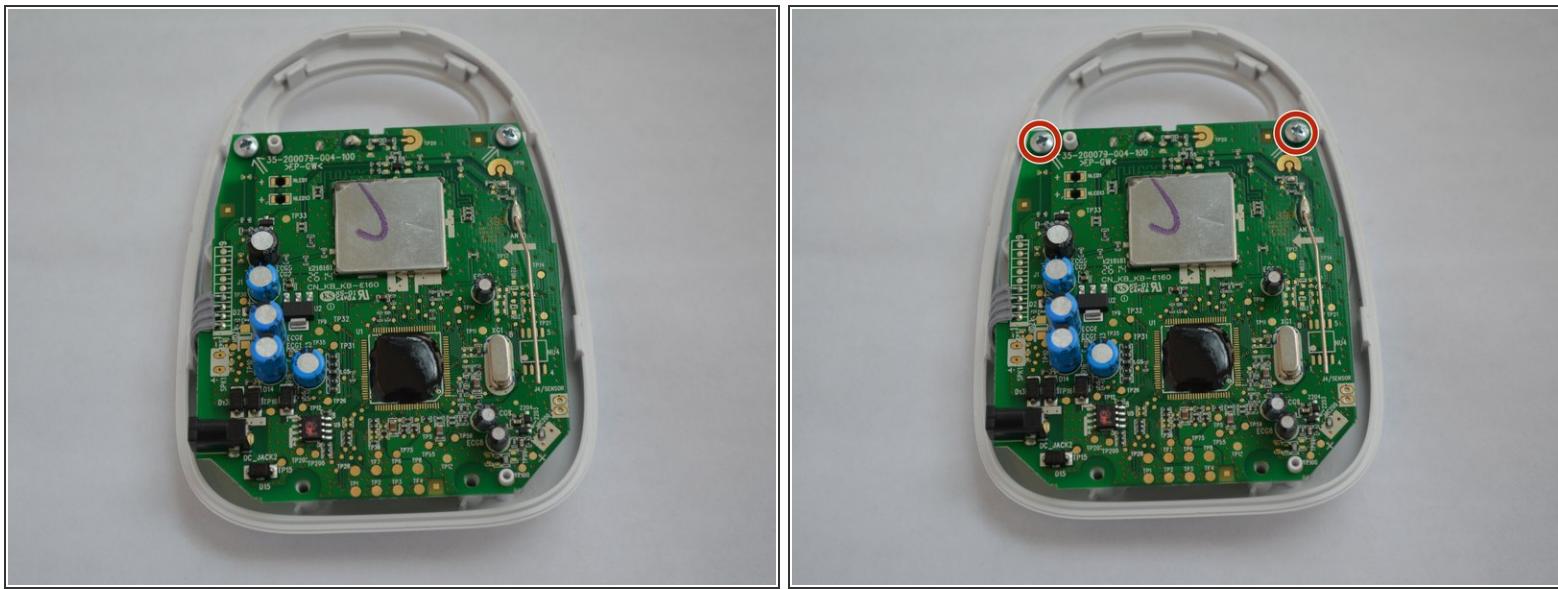
Step 2



- Using the plastic spudger gently pry along the middle of the 2 sections of the plastic housing in order to release plastic latches on the inside of the housing.

(i) Unlike the parent unit there are no wires across the two housing pieces, so once the latches are undone simply pull it apart without worry of disconnecting anything.

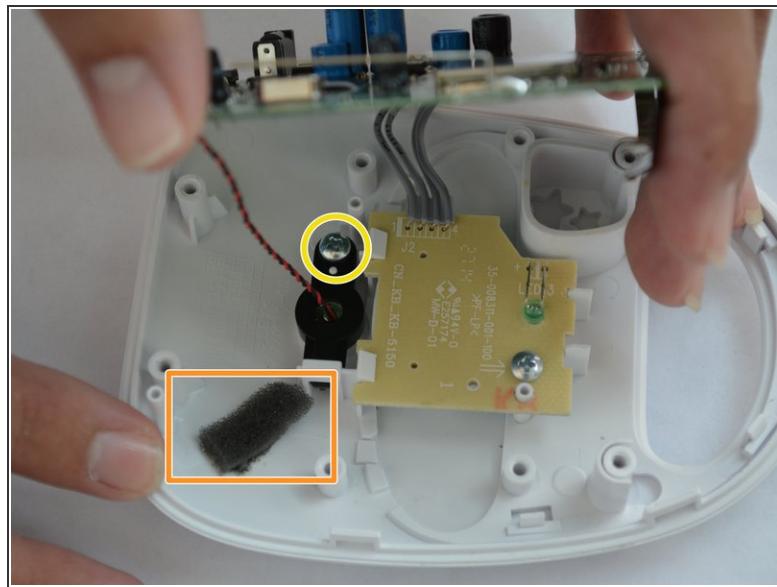
Step 3



i Once apart the motherboard will be exposed with two 4mm phillips head screws near the top and 4 wires leading leading to a circuit board hidden under the motherboard.

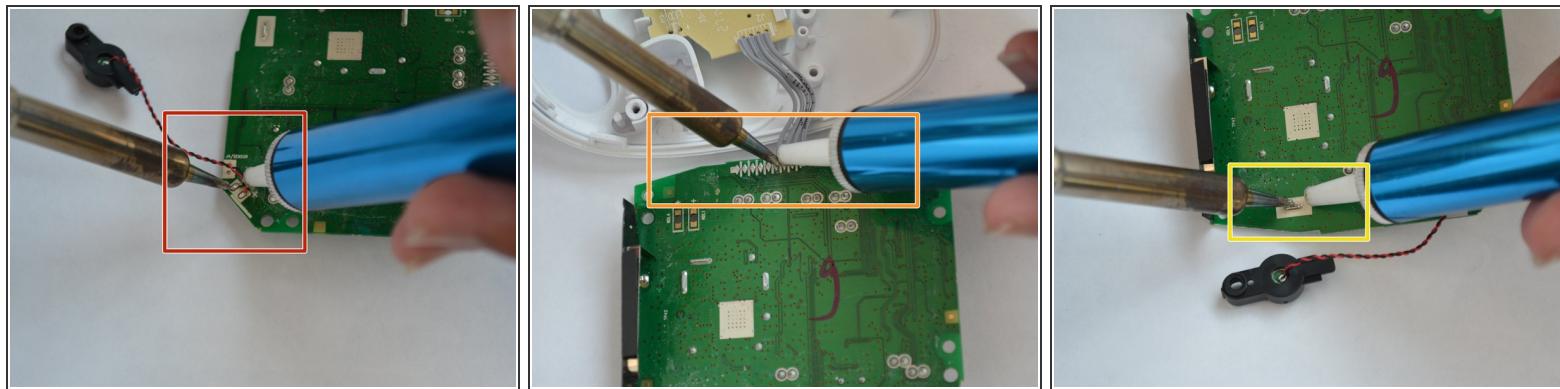
- Remove the two screws near the top of the motherboard.

Step 4 — Disconnect the microphone



- Remove the strip of adhesive tape located under the motherboard.
- Gently lift the motherboard to expose the inner components.
- Use a spudger to scrape away the adhesive and foam connecting the microphone.
- Unscrew the 4mm phillips head screw holding the microphone in place.

Step 5



- ⓘ Before de-soldering, check to see no scorching or broken connections appear on the wires, power supply jack or antenna.
- De-solder the connections from the motherboard using a soldering iron and a solder sucker.
 - De-solder the connections to the microphone, located on the bottom left of the mother board.
 - De-solder the 4 wires connecting the LED board to the motherboard.
 - De-solder the antenna's solder joint, located above the microphone wire connection.

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