



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)
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Step 1 — Baby Unit Motherboard replacement Guide



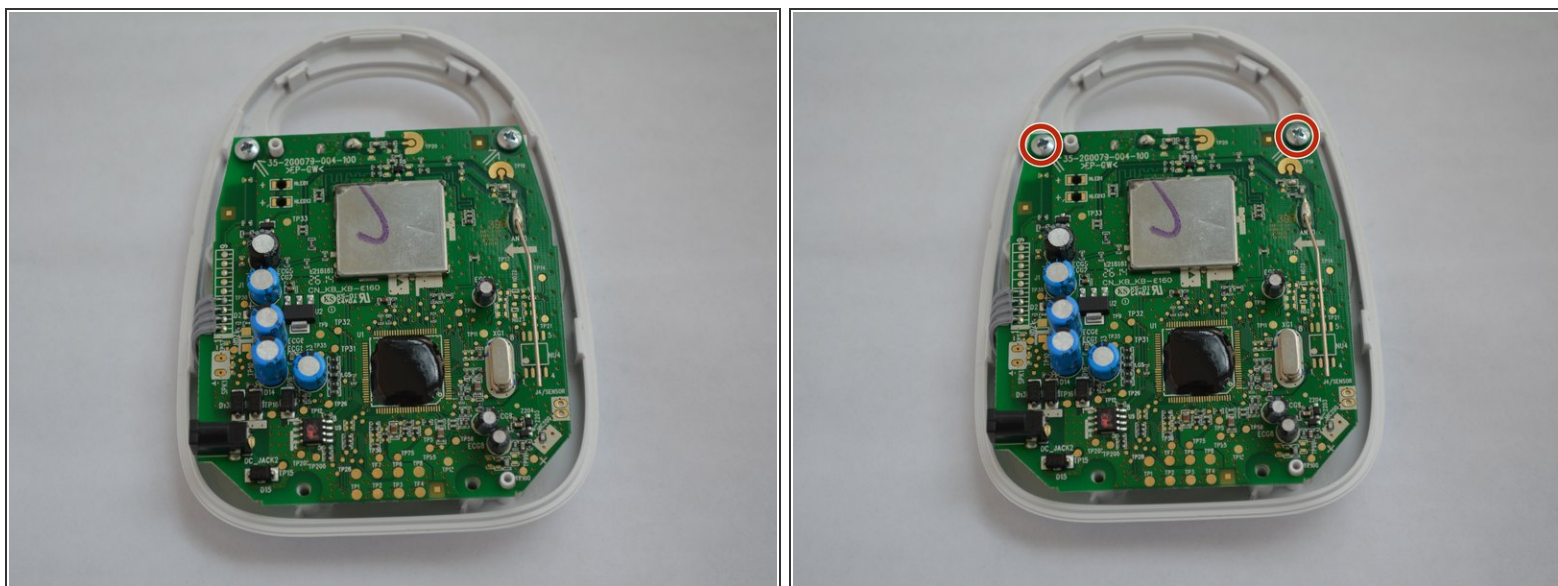
- Along the back of unit there are two 4mm philips head screws towards the bottom of the unit. Start by removing these two screws using your PH0 screwdriver.

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.
- ⓘ 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.

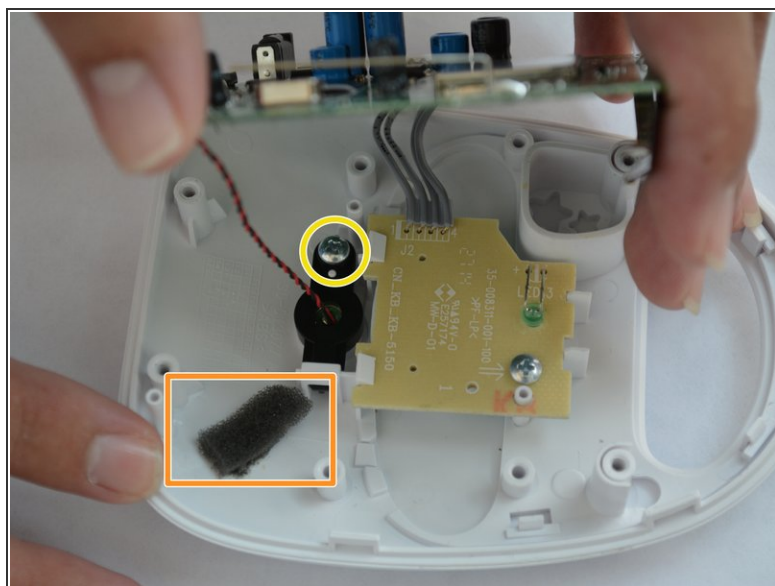
Step 3



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.

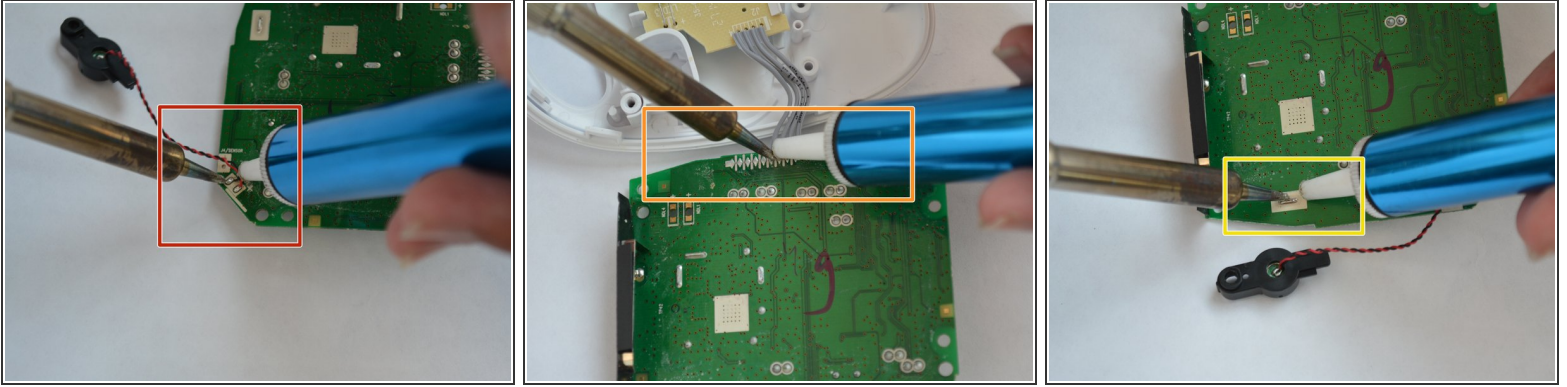
- Remove the two screws near the top of the motherboard.


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.