



GE 29875GE1 Motherboard Replacement

When your GE digital messaging system is not functioning properly, it is important to check the condition of the motherboard.

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INTRODUCTION

This guide will show you step by step how to replace the motherboard on the GE digital messaging system. You will see how to disassemble and reassemble the casing of the device.

TOOLS:

- [Tweezers](#) (1)
- [Solder](#) (1)
- [Phillips #2 Screwdriver](#) (1)
- [Soldering Iron](#) (1)

PARTS:

- [Compatible Replacement Motherboard](#) (1)

Step 1 — Removing Foam Feet



- Begin by looking at the bottom face of the device. Use tweezers to remove the four foam pads which are covering the four screws.

Step 2 — Removing the Back Casing



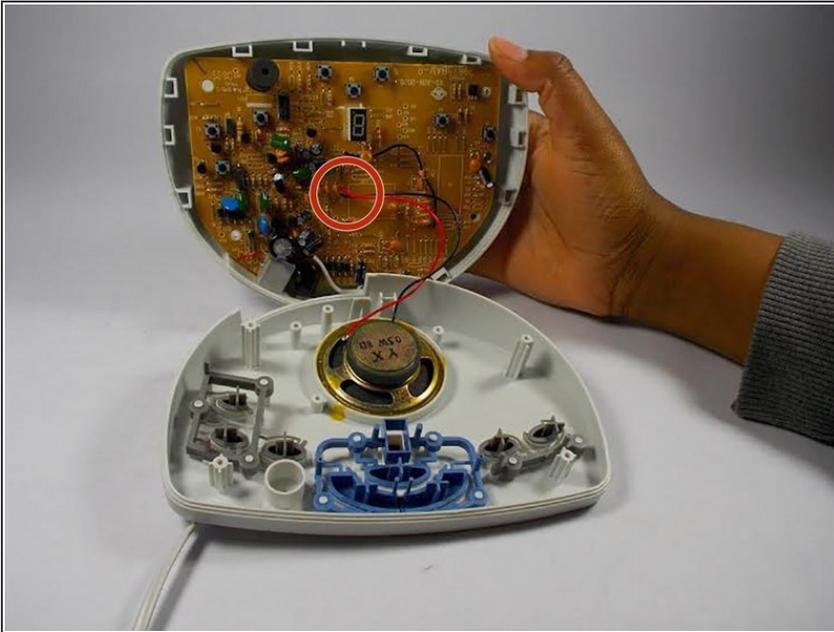
- Use a Phillips head #2 screwdriver to remove the four screws from the bottom of the device. These screw heads are sized 5.3mm (or .209").

Step 3 — Separating the Device



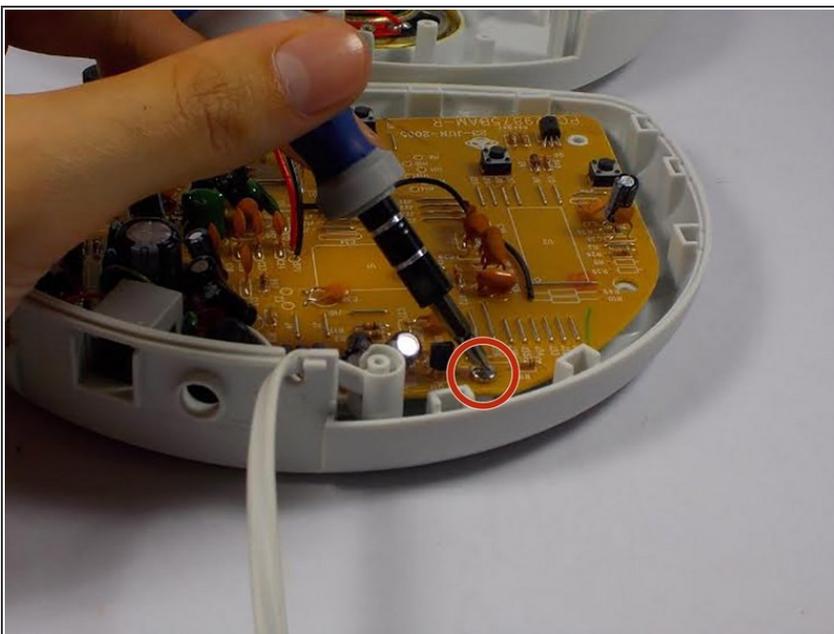
- Remove the back casing panel by gently pulling back on it until you are able to reach inside. Gently pull the microphone out of its housing. This allows you to pull the device apart.
- ⓘ The red circle indicated on the picture marks where the microphone housing is found.

Step 4 — Disconnecting the Speaker



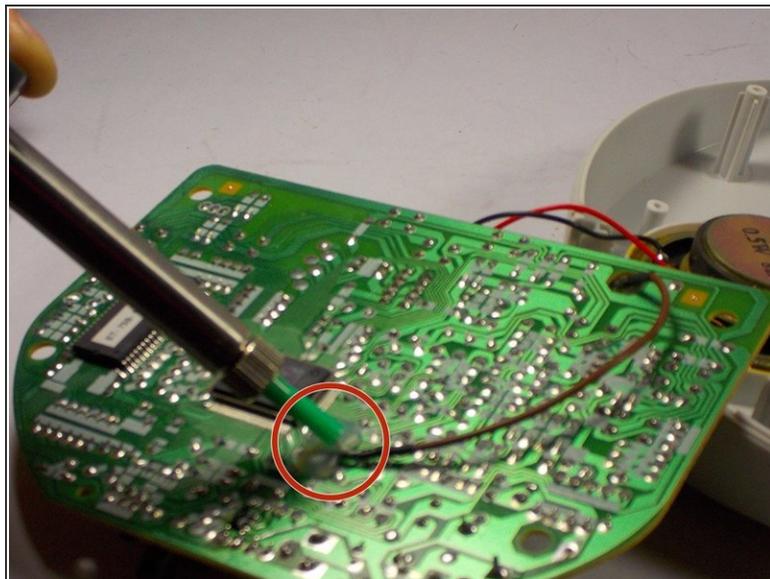
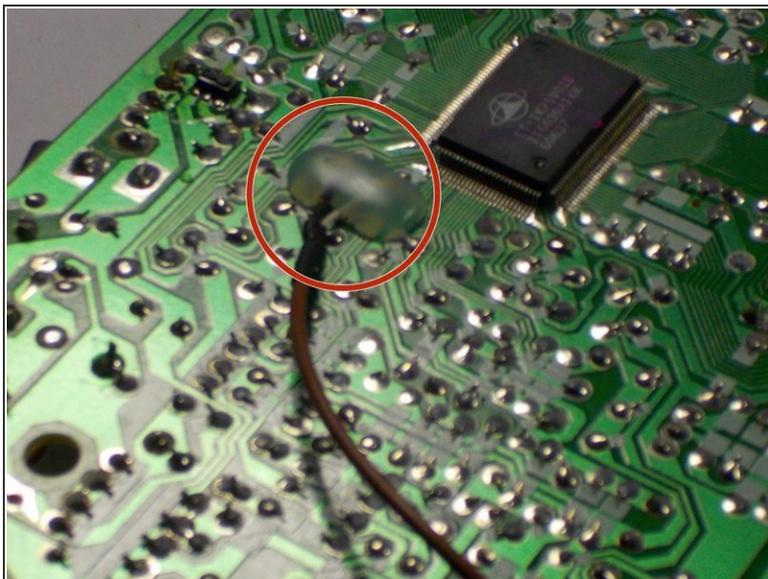
- Use a soldering iron to heat up the two solder connections where the speaker wire is attached to the motherboard. This will separate the speaker from the board.
- ⓘ If you are having trouble with this step, refer to the guide found [here](#).

Step 5 — Unscrewing the Motherboard



- Remove the two screws holding the motherboard to the casing. Use a Phillips head #2 screwdriver.
- ⓘ These screw heads are also sized 5.3mm (or .209in).

Step 6 — Disconnecting the Microphone



- Use the soldering iron to heat up the two solder connections where the microphone wires are attached to on the motherboard. This will separate the microphone from the board.
- ⓘ If you are having trouble with this step, refer to the guide found [here](#).

Step 7 — Removing the Motherboard Assembly



- Once the two screws holding the motherboard in place are removed, the motherboard can be taken out of the device and replaced.

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