



Sony GTK-XB5 Motherboard Replacement

This repair guide will demonstrate how to replace the motherboard in the top panel of the speaker.

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INTRODUCTION

The following steps will outline how to take out a motherboard from the Sony GTK-XB5 and replace it. No tools are needed after disassembly. Before doing anything, be sure to safely discharge the capacitor using [this guide](#).

TOOLS:

- Phillips #1 Screwdriver (1)

PARTS:

- Sony Main+NFC Board (9-885-212-04)
(1)

Step 1 — Top Casing



i Before you begin, be sure to unplug the speaker.

- First, remove the eight screws on the speaker's back panel. These screws should be located on the top and bottom corners of the back, as well as along the sides.
- Remove the 7.5 mm Phillips-head screws using a Phillips #1 screwdriver with a J sized head.

Step 2



- Next, remove 4 more 7.5 mm Phillips-head screws on the top part of the speaker (where the power buttons and extra BASS buttons are located). Two of the screws are located on the underside of the handle and are hidden beneath black rubber covers. Remove the covers and use a Phillips #1 screwdriver to unscrew the screws.
- The remaining two 7.5 mm Phillips-head screws are located on the base of the indented section of the speaker, pictured here. They are also hidden beneath black rubber covers. Repeat same process in removing the screws.

Step 3



⚠ Caution: Be careful not to touch the capacitor wires as you work. If possible, use a [capacitor discharge probe](#) to safely rid the capacitors of dangerous charges.

- Gently lift up the entire top plastic section of the speaker. Do so slowly, the section is still connected to the circuitboard by a belt.
- Gently remove the belt from its junction on the board, and after doing so the top plastic casing of the speaker will be fully detached.

Step 4



- Additionally, the sides need to be taken apart. You will need to take out 4 additional 7.5 mm Phillips-head screws on either side. These screws are located beneath larger grey pads with adhesive on them at the side corners of your speaker.
- Remove the pads slowly, as the adhesive makes them tougher to remove and you do not want to rip them.
- Use an opening tool to help take out the side shell from the rest of the speaker.

(i) This step can be difficult to perform and do not hesitate to use some force, there are no delicate components on the immediate underside of the side panel.

Step 5



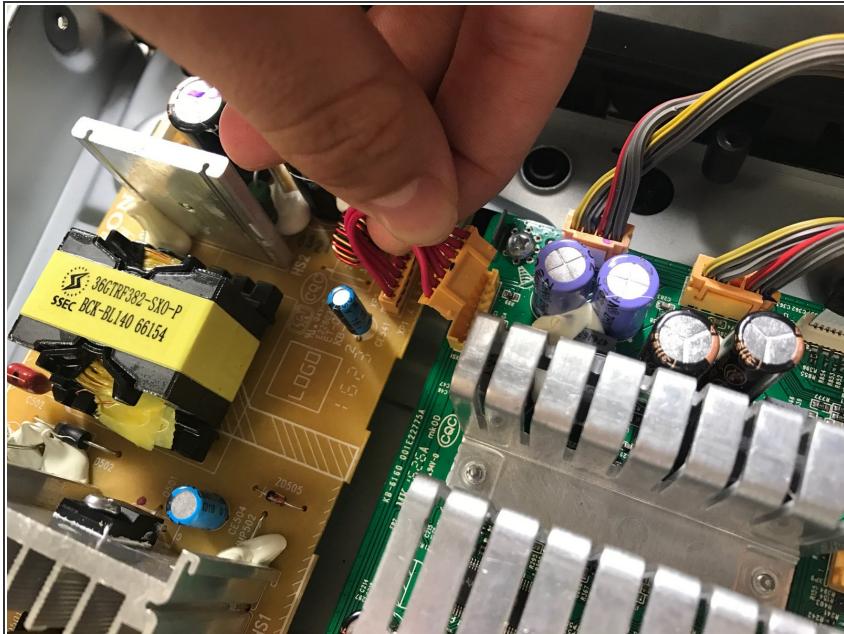
- The speaker should now be stripped of its basic shell except for the bottom and front panels.
- You have now disassembled the top casing of your speaker and you are prepared to make replacements of components!

Step 6 — Motherboard



- Find the large green motherboard, located underneath the top plastic housing of the speaker.

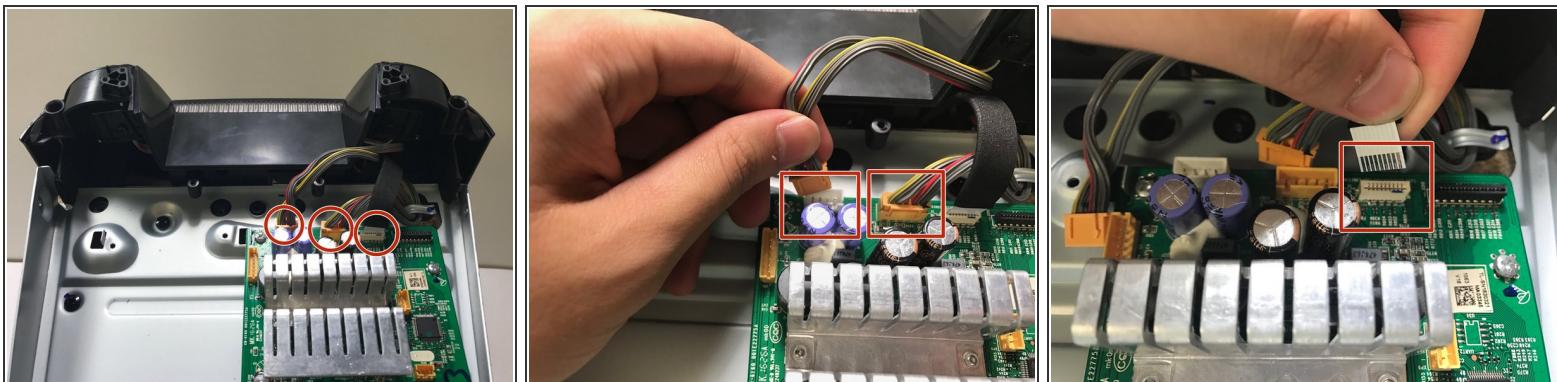
Step 7



- Remove the belt connecting the daughterboard to the motherboard by gently removing the yellow clip from its housing on the motherboard.

(i) The belt can only be disconnected from the motherboard side of the connection.

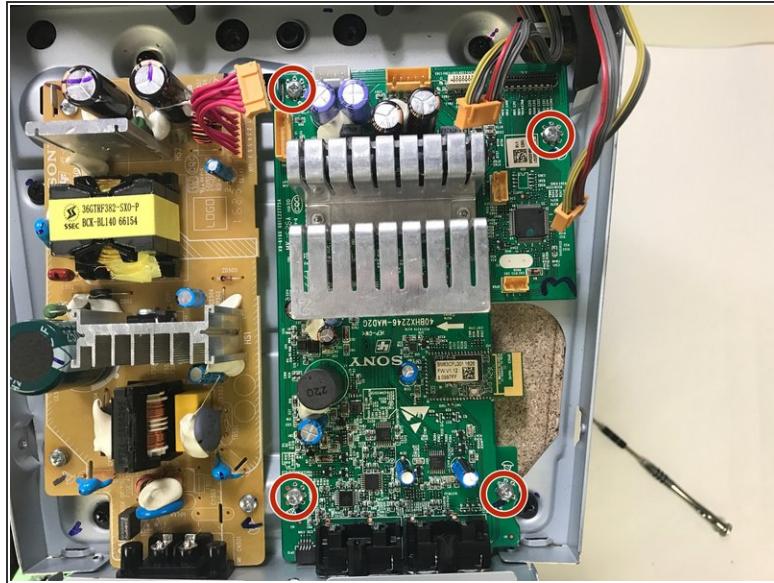
Step 8



- Gently remove three more belts at the top of the motherboard.

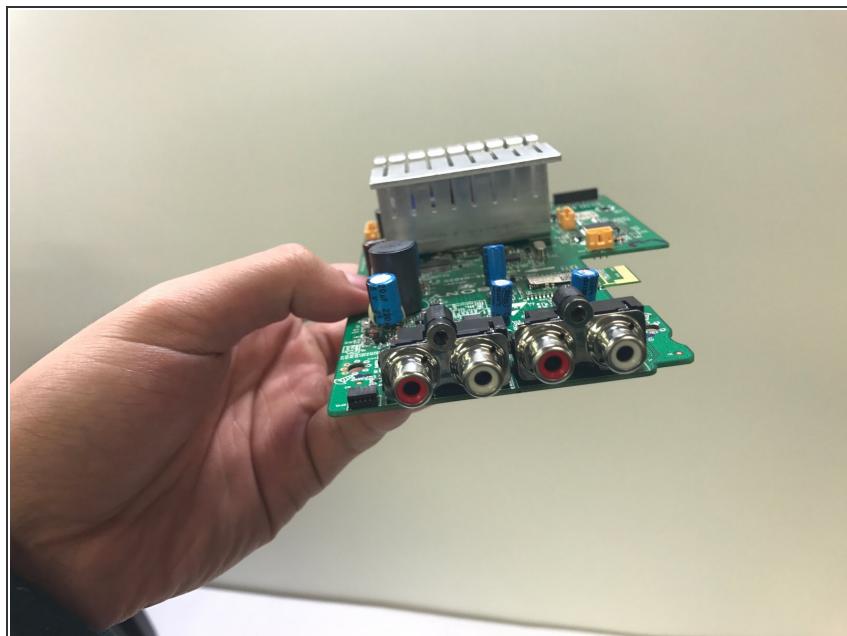
(i) These have cables running to the front part of the speaker.

Step 9



- Remove the four 6.4mm Phillips head screws located at each corner of the daughterboard with a Phillips head screwdriver.

Step 10



- Gently slide the entire motherboard towards the front side of the speaker, unhooking it from the prong that keeps it in place.
- The motherboard is free to be fully removed. You are now prepared to replace the motherboard!

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