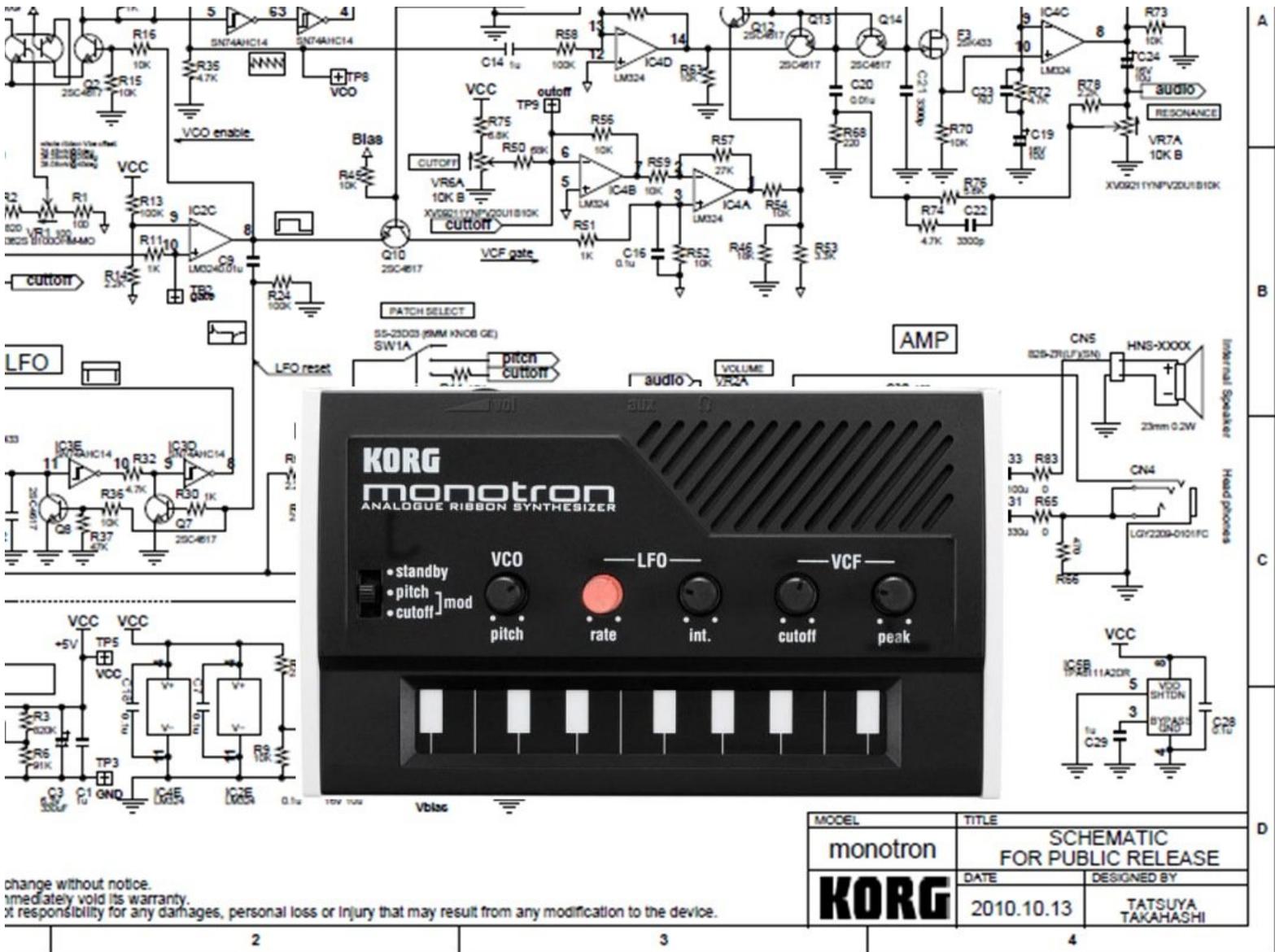




# KORG Monotron Teardown

This teardown will help you to better hack this great mini synt.

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change without notice. immediately void its warranty. x responsibility for any damages, personal loss or injury that may result from any modification to the device.

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## INTRODUCTION

This teardown will help you to better *hack* and *repair* the **KORG Monotron** mini synt.

This battery powered synt is made of a real analog *VCO* a *VCF* and a *LFO*. The *VCF* is similar to the ancient **KORG's** classic *MS-10* and *MS-20*. You can use the ribbon keyboard to create an incredible sound of the '70s .

There are a lot of infos on internet but this device deserves an appropriate space on IFIXIT

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### TOOLS:

- [Phillips #1 Screwdriver](#) (1)
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## Step 1 — The KORG Monotron



- Here it is.... the Monotron !!!
- [LM324](#) as low power op amp
- [TPA6111A2DR](#) as a stereo audio power amp.
- [TPS61071](#) as a synchronous boost converter (power supply chain) from 2 AAA battery
- [SN74AHC14](#) hex Schmitt-Trigger
- [2SC4617](#) npn bjt, [2SA1774](#) pnp bjt, [2SK433](#) fet, [IMX9](#) double bjt

## Step 2 — Opening



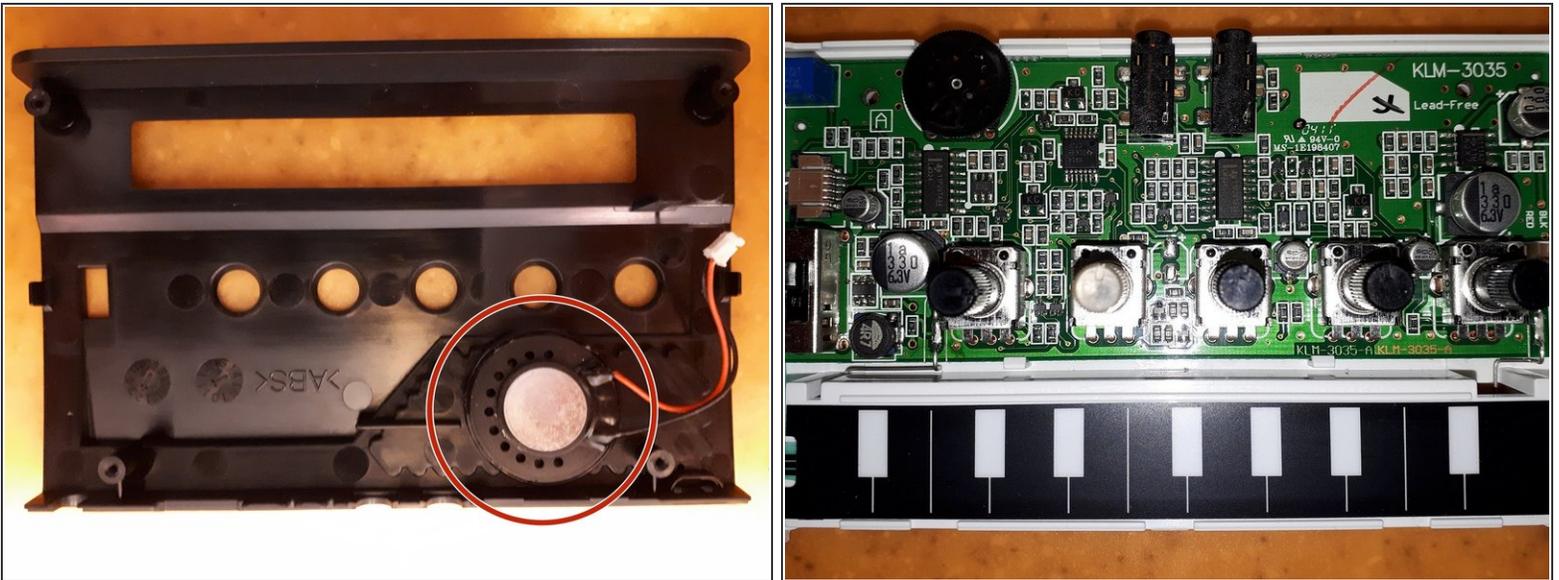
- Only 4 PH1 screws
- Note: **Made in Japan !**
- Take care at the cables between two sides

### Step 3 — Remove the connectors



- **Remove "the flat cable"** from the ribbon controller to the pcb (pull with care using hands)
- **Remove the 2 ways connector for the speaker. Use hands (with care)**
- Take max care to the speaker controller. **Easy to remove but difficult to re insert**

### Step 4 — Parts



- **Loudspeaker is glued to the enclosure**

