

VOLCANO

MIDI OUTPUT INTERFACE
FOR THE KORG VOLCA SERIES



MADE IN BRAZIL BY

 **AMAZING
MACHINES**

www.amazingmachines.com.br

INTRODUCTION

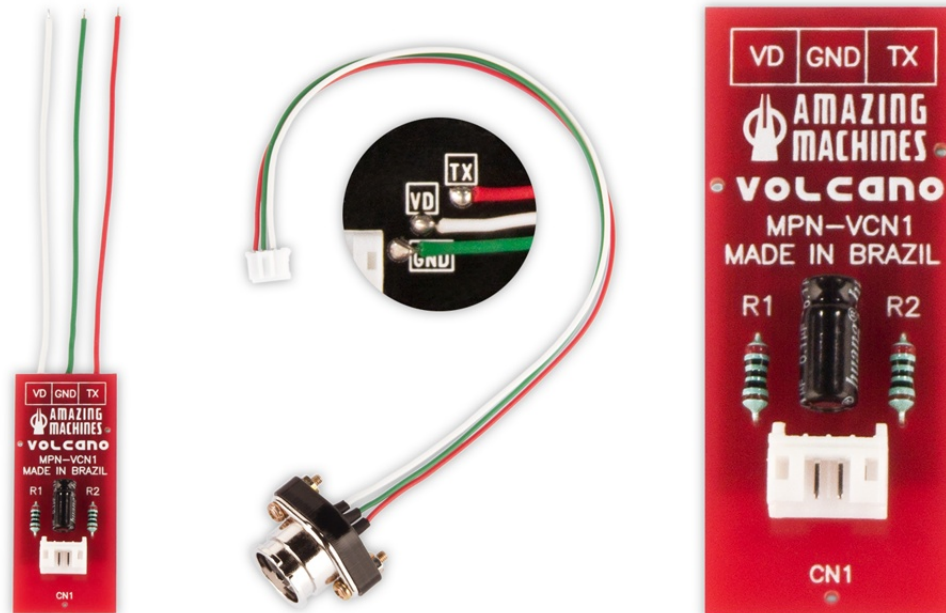
Thank you, and congratulations on your choice of the Amazing Machines Volcano - MIDI Output Interface for the KORG Volca Series.

Please note that any modification to any KORG Volca will immediately void its warranty.

Amazing Machines will not accept responsibility for any damages, personal loss or injury that may result from the installation of the Volcano Interface.

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The following pages of this document provide a step by step installation guide for the Volcano Interface, as well as detailed functionality information.



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CHAPTER 1 - VOLCANO QUICK INSTALLATION GUIDE - VOLCA BASS

WARNING: Any modification to any KORG Volca will immediately void its warranty.

If you are not sure what you are doing, please ask a technician to do it for you.

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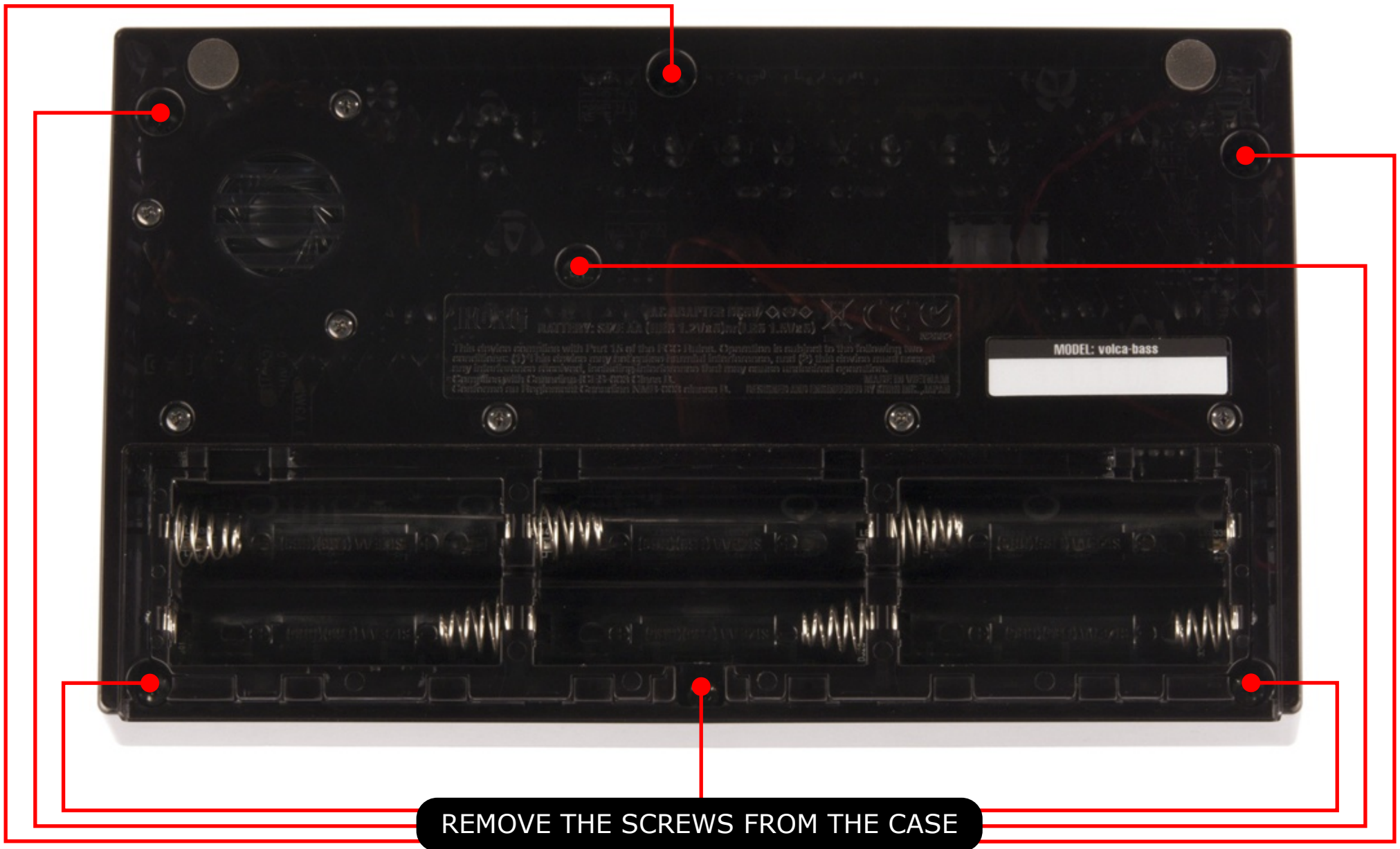
We strongly advise you to read every single page of this chapter before proceeding.

For instructions on how to perform a permanent installation of the Volcano Interface by drilling holes for the MIDI Output connector in the case of your KORG Volca, please refer to the "Volcano Permanent Installation Guide", available at www.amazingmachines.com.br

Bill of Tools

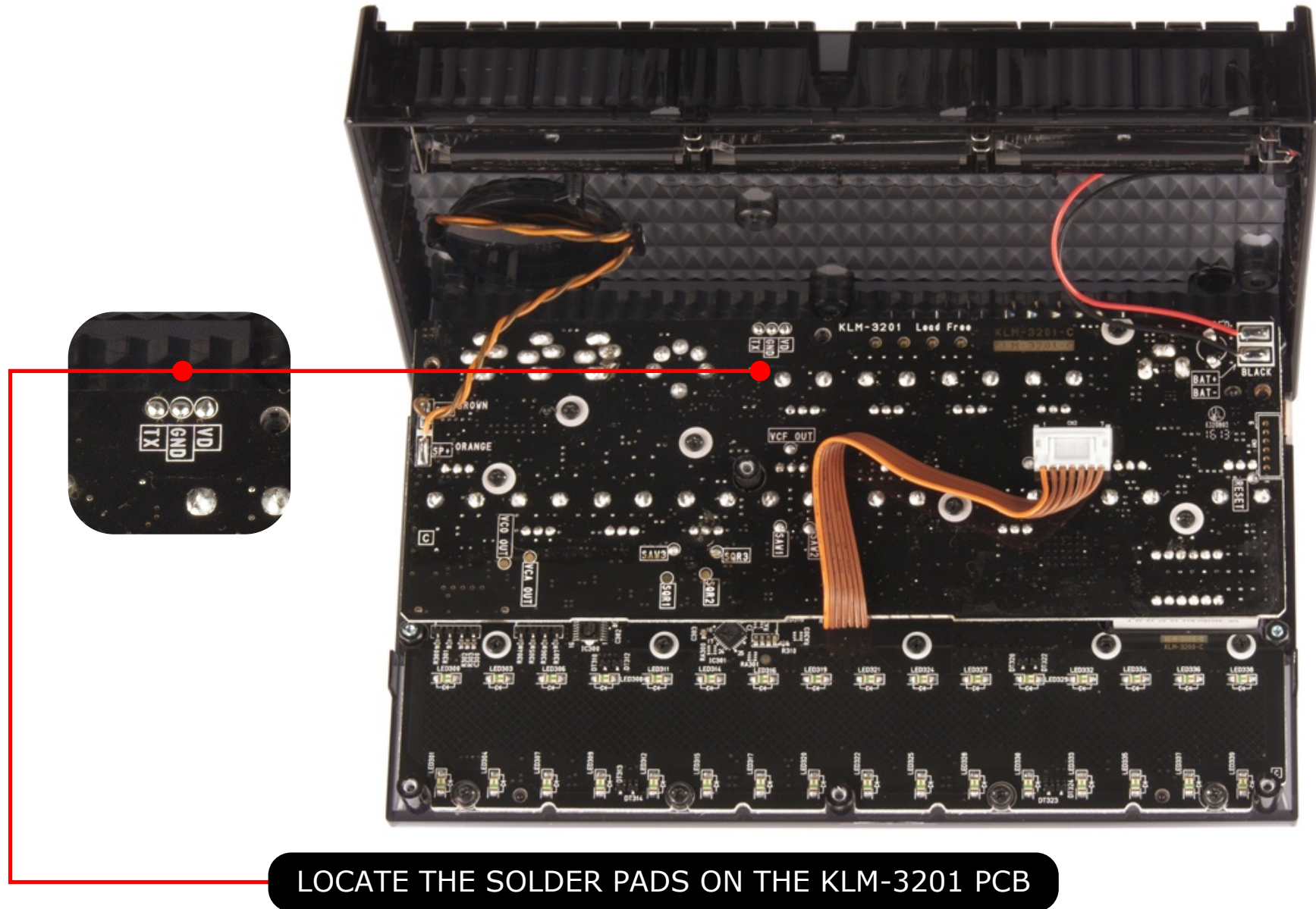
- Medium size Phillips screwdriver
 - 60W Soldering iron
 - Solder wire
- Medium size flat tip screwdriver
 - Flat long nose pliers

VOLCANO QUICK INSTALLATION - VOLCA BASS - STEP 1



1.1 - Using a Phillips Screwdriver, remove the screws from the case

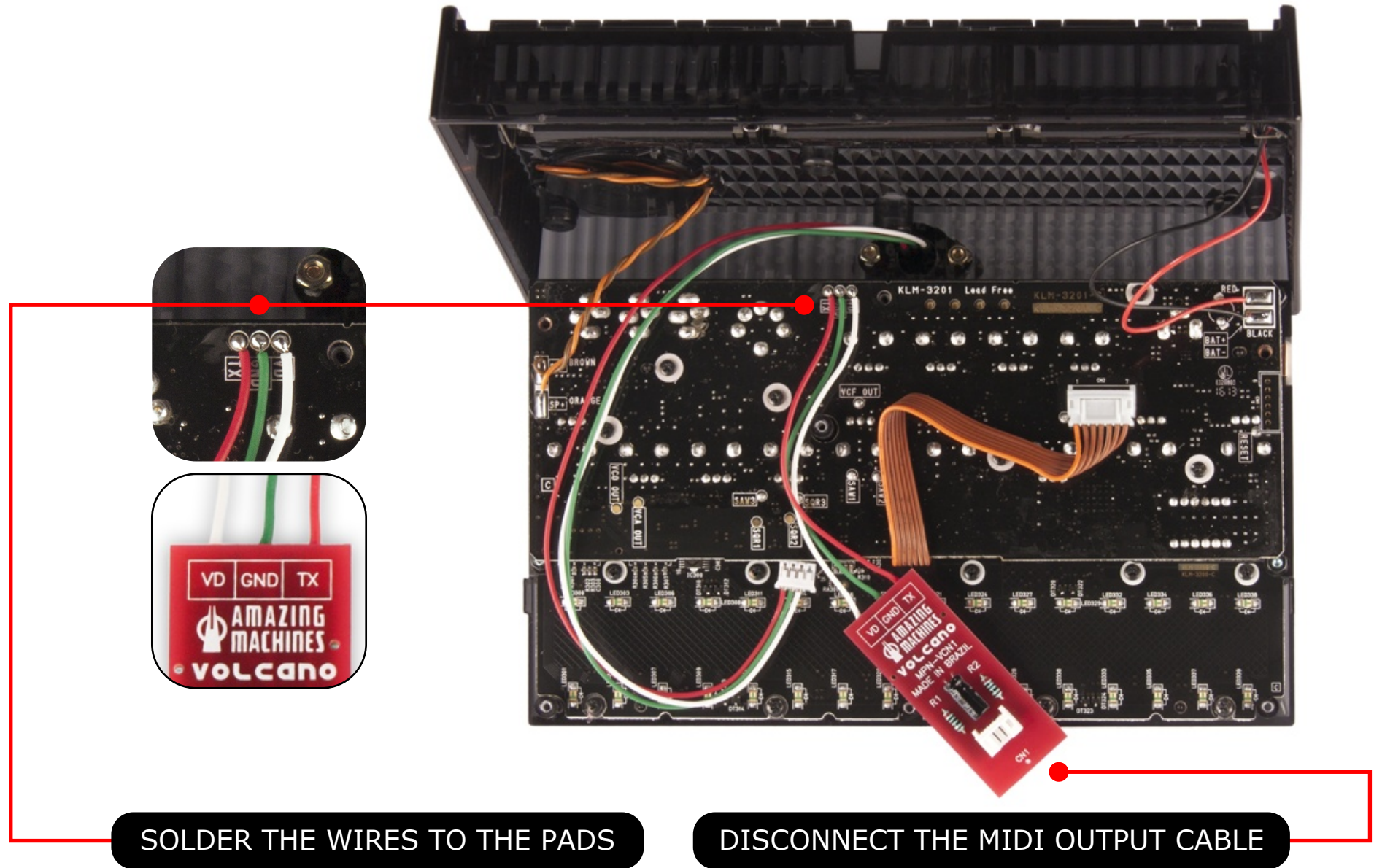
VOLCANO QUICK INSTALLATION - VOLCA BASS - STEP 2



2.1 - Locate the 3 solder pads on the KLM-3201 PCB

2.2 - Add a touch of solder to the pads, **be careful not to overheat the circuit board as it may cause irreparable damage to your KORG Volca, do it as fast and precisely as you can**

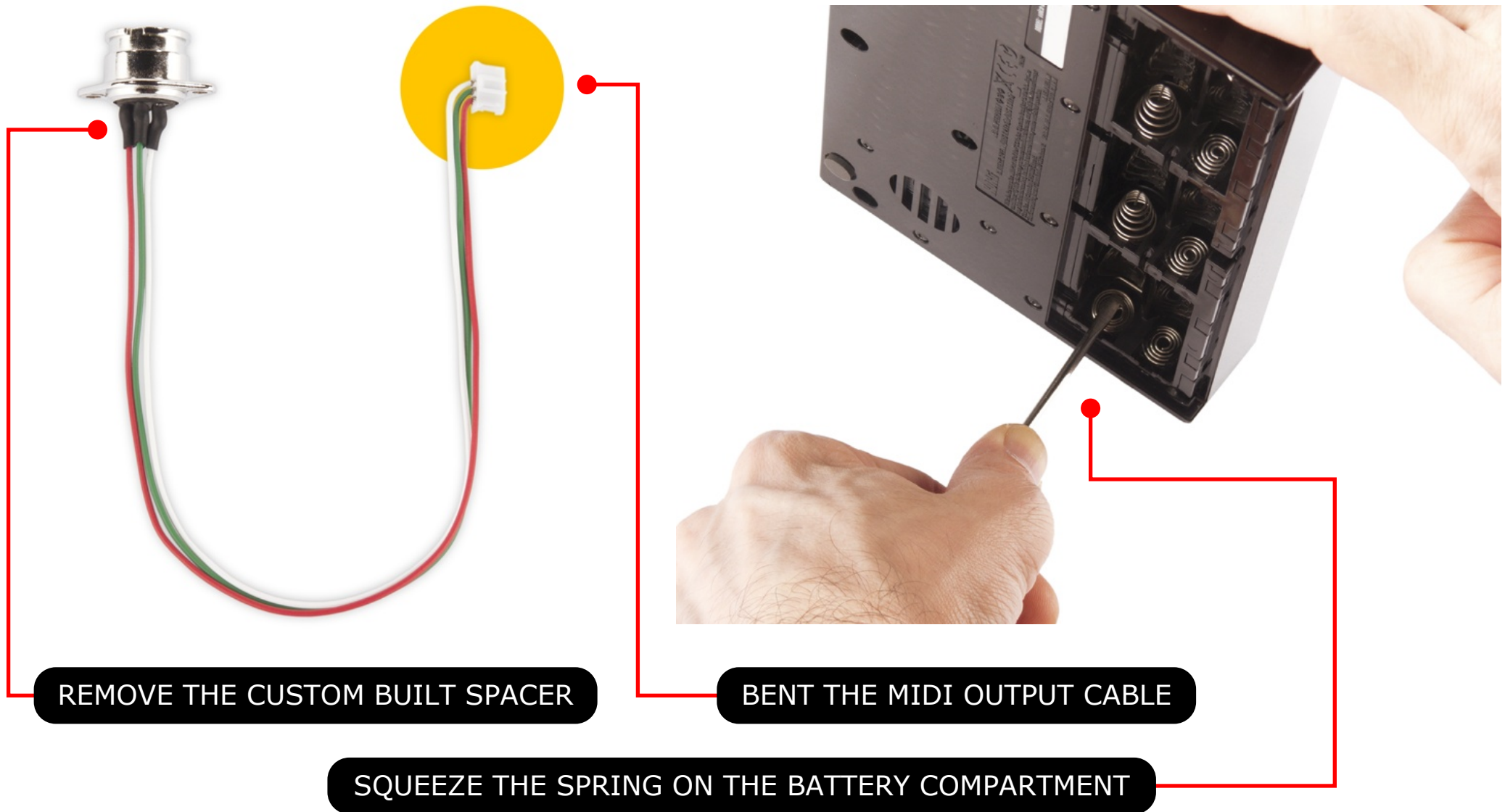
VOLCANO QUICK INSTALLATION - VOLCA BASS - STEP 3



3.1 - Solder the wires to the pads following the labels on the Volcano PCB, **be careful not to overheat the circuit board as it may cause irreparable damage to your KORG Volca**, do it as fast and precisely as you can

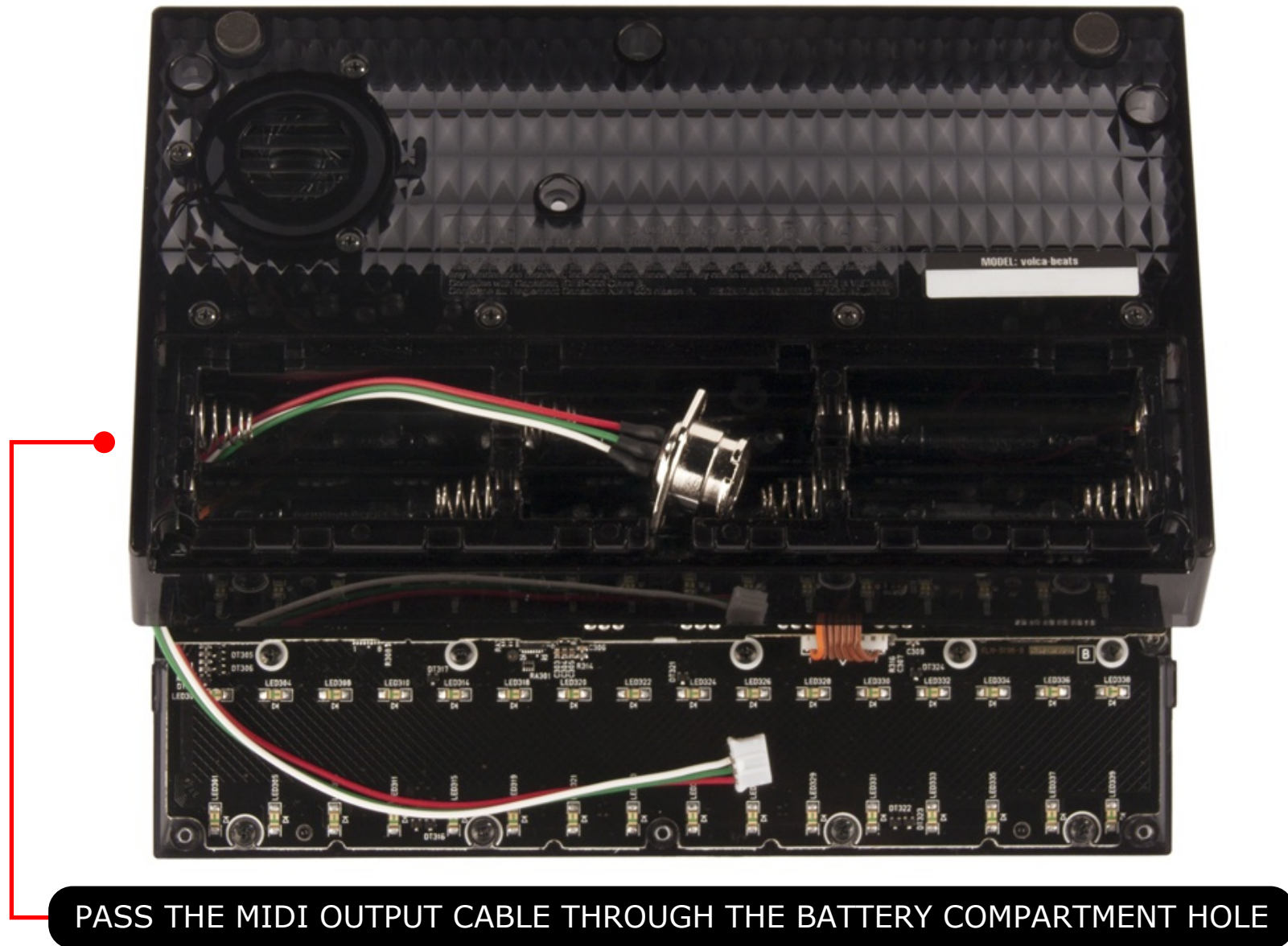
3.2 - Disconnect the MIDI Output cable from the Volcano PCB

VOLCANO QUICK INSTALLATION - VOLCA BASS - STEP 4



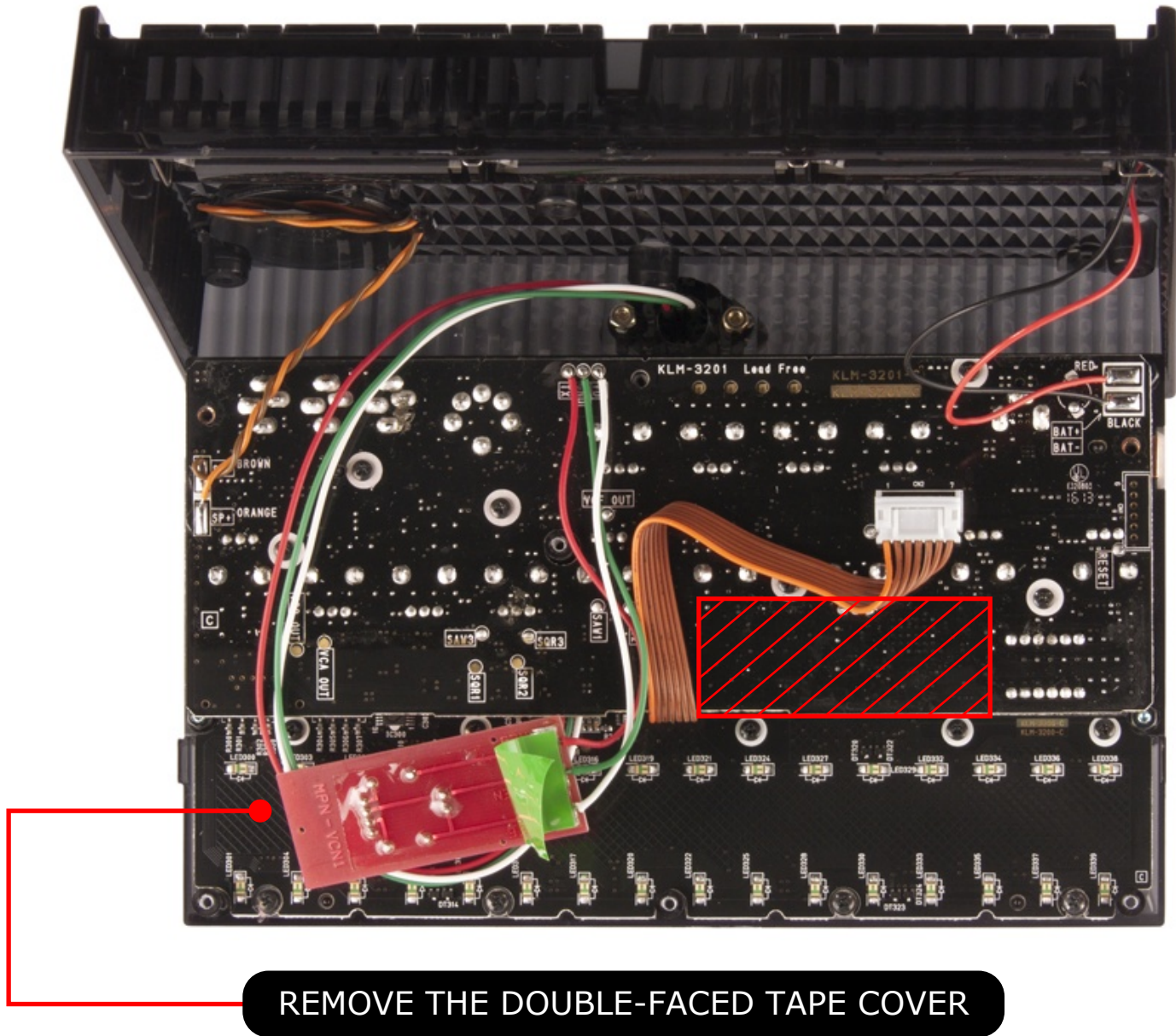
- 4.1 - Using a Phillips Screwdriver, remove the Custom Built Spacer from the MIDI Output Connector
- 4.2 - Bent the MIDI Output cable to an "L" shape
- 4.3 - Using a Flat Tip Screwdriver, squeeze the spring on the left side of the battery compartment to pass the MIDI Output cable through the hole

VOLCANO QUICK INSTALLATION - VOLCA BASS - STEP 5



5.1 - Pass the MIDI Output cable through the battery compartment hole, please note that Steps 4 and 5 are the same for the Volca Bass, Volca Beats and Volca Keys, that's why the pictures are showing a Volca Beats on both Steps

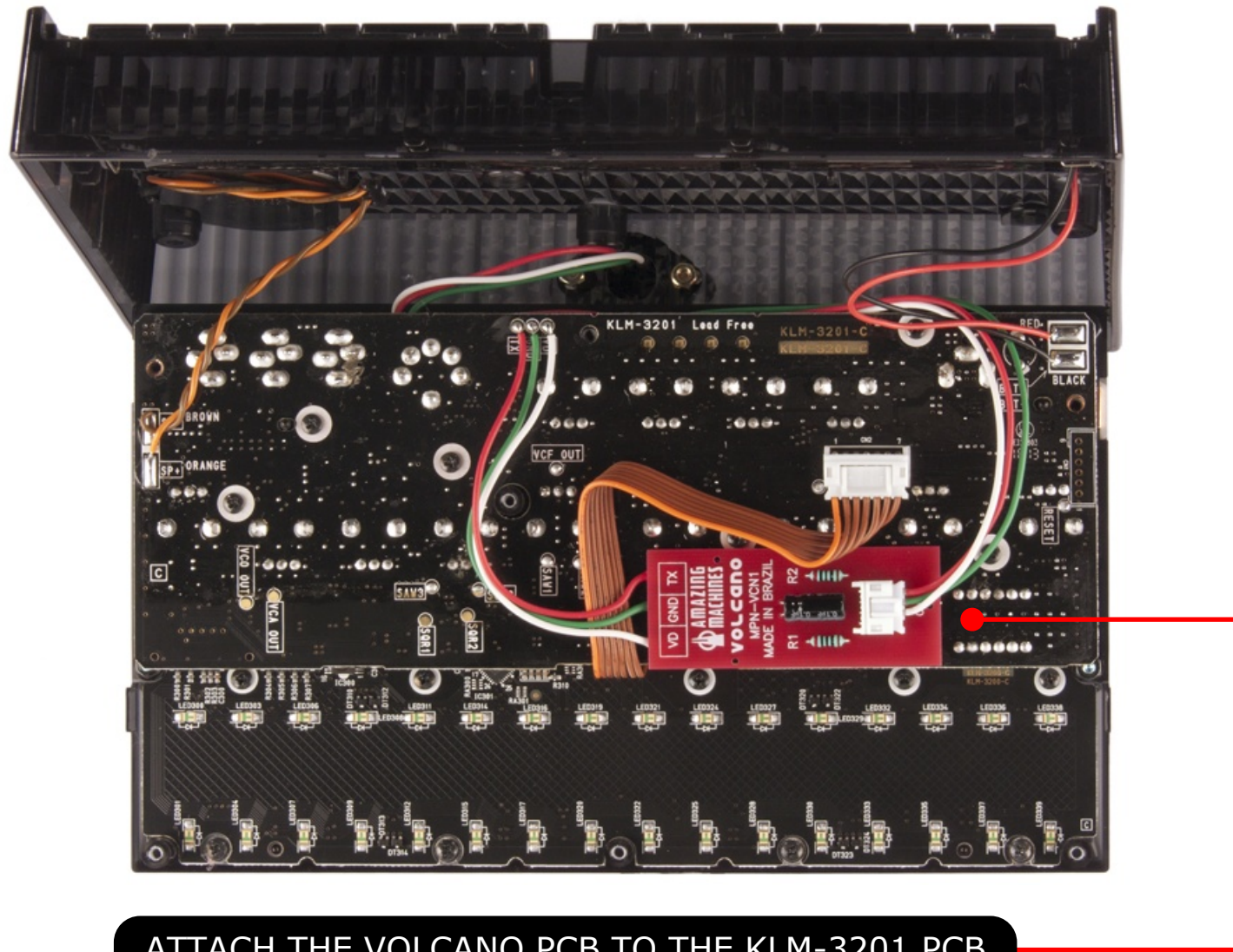
VOLCANO QUICK INSTALLATION - VOLCA BASS - STEP 6



REMOVE THE DOUBLE-FACED TAPE COVER

- 6.1 - Remove the double-faced tape cover from the Volcano PCB
- 6.2 - Locate the best spot to attach the Volcano PCB to the KLM-3201 PCB

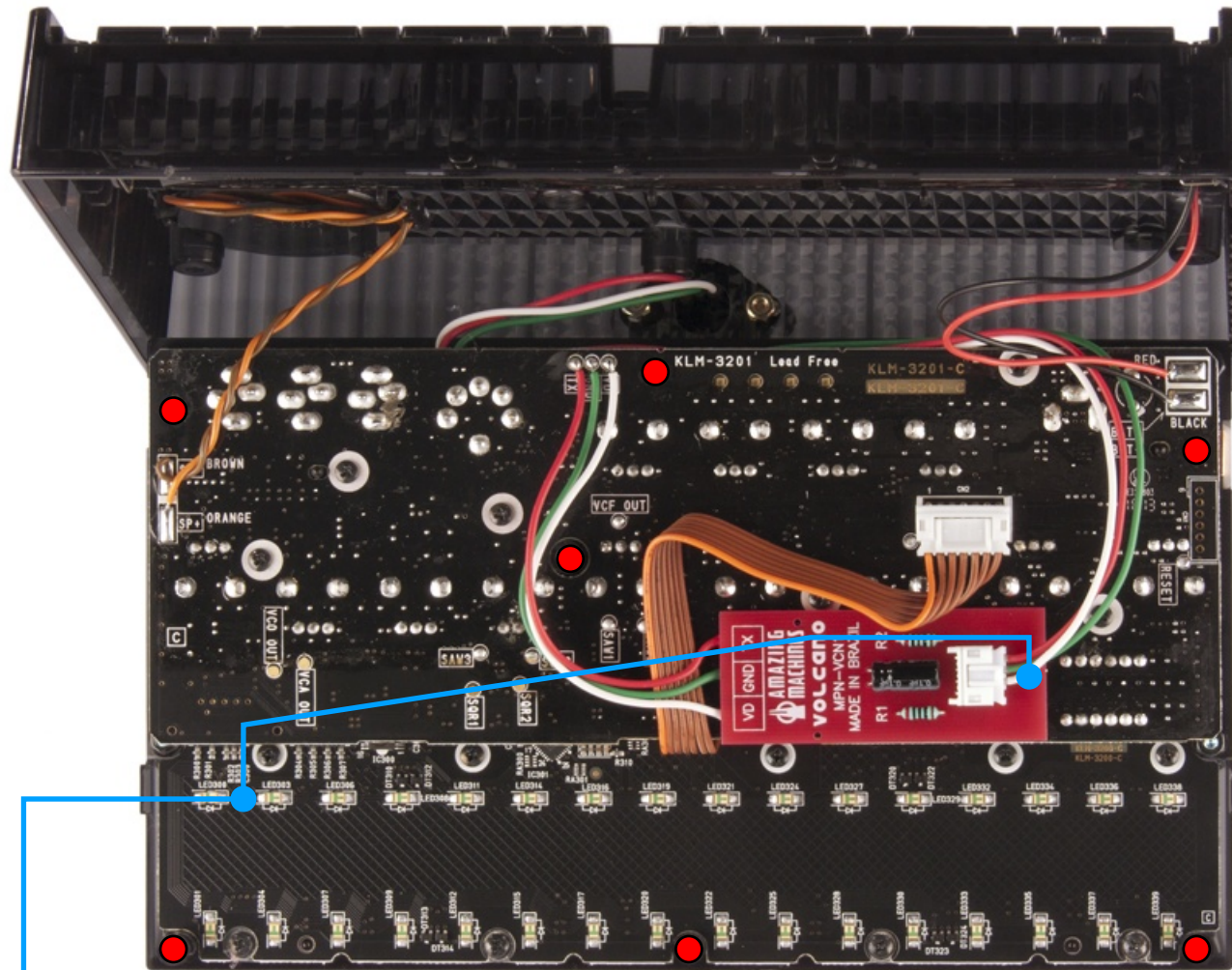
VOLCANO QUICK INSTALLATION - VOLCA BASS - STEP 7



7.1 - Attach the Volcano PCB to the KLM-3201 PCB

7.2 - Using a Flat Long Nose Pliers, gently connect the MIDI Output cable to the CN1 Connector on the Volcano PCB, **make sure the contacts are properly aligned before using the pliers, don't apply too much strength to the connectors, in order to avoid smashing the plastic parts**

VOLCANO QUICK INSTALLATION - VOLCA BASS - STEP 8



ALIGN THE MIDI OUTPUT CABLE WIRING

8.1 - Align the MIDI Output Cable Wiring before closing the case, make sure no wires are getting smashed by the screw slots marked as red dots in the picture above, otherwise you won't be able to properly close the case, it may also damage the wiring

8.2 - Close the case and reverse Step 1 to finish the installation

VOLCANO QUICK INSTALLATION DONE - VOLCA BASS



Congratulations, your Volcano Kit is installed and ready to use.

For instructions on how to perform a permanent installation of the Volcano Interface by drilling holes for the MIDI Output connector in the case of your KORG Volca, please refer to the "Volcano Permanent Installation Guide", available at www.amazingmachines.com.br

Sequencer Output

Start / Stop
MIDI Clock
Note On (vel 127)
Note Off (vel 0)
Note Range - A-1 to C6

- When VCO Grouping is Off (Func + Step Button 1) the sequencer only outputs the selected VCO sequence, allowing for 3 different patterns per memory location, a total of 24 mono patterns are available in this mode
- When VCO Grouping is set to VCO 1 and VCO 2 (Func + Step Button 2) the sequencer only outputs the selected VCO sequence, allowing for 2 different patterns per memory location, a total of 16 mono patterns are available in this mode
 - Muting VCO parts doesn't mute them at the MIDI Output Port
 - The MIDI Output Channel follows the selected MIDI Input Channel

Step Buttons Output Notes

OCT 1 - A-1 to C1
OCT 2 - A0 to C2
OCT 3 - A1 to C3
OCT 4 - A2 to C4
OCT 5 - A3 to C5
OCT 6 - A4 to C6

Control Change Output

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LFO INT - 42
VCO PITCH 1 - 43
VCO PITCH 2 - 44
VCO PITCH 3 - 45
EG ATTACK - 46
EG DECAY / RELEASE - 47
CUTOFF EG INT - 48

