

MBB (Marshall™ BluesBreaker™ Replica) Instructions

Version 2011January05

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This is a replica of the **Marshall™ BlueBreaker™ Distortion** referred to as **MBB** in these documents.

Use the project documents provided, starting with the General Build Instructions. Follow the layout diagrams to add components to the PCB and the wiring diagrams to hook it all up. There are photos in this document to give some ideas of the overall layout and wiring.

Note that the order of the components in the audio path: C6, R8, R7 and C7 are not the same in the layout as they are in the schematic. The sequential order of these components does not matter and in some cases these components are condensed into just a single resistor and capacitor. We chose to leave them as original so that there is an option for non-true-bypass as the original unit was.

Note that there is a mistake on the screen print on the PCB and there are two spots for D5. The D5 near the 9v pad should be labeled D1 and is a 1N4001 or 1N914 or other diode for reverse voltage protection.

Comments and questions are welcome and can be sent to info@generalguitargadgets.com



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Here is a chart of voltages taken at the IC pins. This information can be used to help you find and fix problems if your **MBB** doesn't work when you test it. These are approximate voltages, if yours are within one volt variance, you are probably okay, however, pin 4 should be zero volts and pin 8 should be same voltage as the 9v+. Note that there is a voltage drop in circuit "operating voltage" due to the protection diode (D5). D5 is a small Blue diode in the Kits.

Component	Location	Voltage
9 volt power supply		8.8v
IC1	Pin 1	4.3v
	Pin 2	4.3v
	Pin 3	3.9v
	Pin 4	0v
	Pin 5	4.3v
	Pin 6	4.3v
	Pin 7	4.3v
	Pin 8	8.8v

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Here's a look inside:

