

MBB (Marshall BluesBreaker Replica) Instructions

Version 2019July17

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This is a replica of the **Marshall BlueBreaker Distortion** referred to as **MBB** in these documents. *(Trademarks mentioned here do not belong to General Guitar Gadgets)*

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 original stompboxes had doubled coupling capacitors and resistors between the opamp stages (with non-true bypass between them). These have been combined and true bypass added.

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

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.

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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

Here's a look inside (with modification for dual clipping switch):

