



MBB (Marshall Vintage BlueBreaker Replica) Bill of Materials

Version 2019July17

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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow
R2	4k7 (4.7k)	 yellow-violet-red	 yellow-violet-black-brown
R3	3k3 (3.3k)	 orange-orange-red	 orange-orange-black-brown
R4	1M	 brown-black-green	 brown-black-black-yellow
R5	47k	 yellow-violet-orange	 yellow-violet-black-red
R6	None		
R7	None		
R8	10k	 brown-black-orange	 brown-black-black-red
R9	1k	 brown-black-red	 brown-black-black-brown
R10	220k	 red-red-yellow	 red-red-black-orange
R11	6k8 (6.8k)	 blue-gray-red	 blue-gray-black-brown
R12	6k8 (6.8k)	 blue-gray-red	 blue-gray-black-brown
R13	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow
R14	47k	 yellow-violet-orange	 yellow-violet-black-red
R15 (Gain)	100k Linear Potentiometer		
R16 (Tone Control)	25k Linear Potentiometer		
R17 (Volume Control)	100k Log Potentiometer		
R18	1k	 brown-black-red	 brown-black-black-brown



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Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	0.01 μ F	Film	103
C2	0.01 μ F	Film	103
C3	0.01 μ F	Film	103
C4	47pF	Ceramic or Film	47pF
C5	47 μ F	Aluminum Electrolytic	47 μ F
C6	0.1 μ F	Film	104 or μ 1xxxx
C7	None		
C8	0.01 μ F	Film	103
C9	0.01 μ F	Film	103
C10	0.1 μ F	Film	104 or μ 1xxxx
C11	100 μ F	Aluminum Electrolytic	100 μ F

Potentiometers:

Part ID	Value	Type
R15 - Gain Control	100k	Linear Taper
R16 - Tone Control	25k	Linear Taper
R13 - Volume	100k	Log (or Audio) Taper

Other:

Part ID	Part Name
IC1	TL072 or other dual opamp
D2, D3, D4, D5	1N914 Diodes
D1	1N4001 or 1N914 Diode (reverse power protection)
D6	LED
J1	Stereo quarter-inch jack
J2	Mono quarter-inch jack
J3	DC Jack
B1	9 volt battery (not included in the Kit)



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Sw1	Heavy Duty 3PDT foot switch
	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knobs