



MBB (Marshall™ Vintage BlueBreaker™ Replica) Bill of Materials

Version 2011January05

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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	4k7 (4.7k)	 yellow-violet-red	 yellow-violet-black-brown
R8	4k7 (4.7k)	 yellow-violet-red	 yellow-violet-black-brown
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		





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R18	1k		
		brown-black-red	brown-black-black-brown

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	0.22 μ F	Film	224
C7	0.22 μ F	Film	224
C8	0.01 μ F	Film	103
C9	0.01 μ F	Film	103
C10	0.1 μ F	Film	104
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 (Small Blue diode in the Kits)
D6	LED
J1	Stereo quarter-inch jack
J2	Mono quarter-inch jack



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J3	DC Jack
B1	9 volt battery (not included in the Kit)
Sw1	Heavy Duty 3PDT foot switch
	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knobs