



Rangemaster™ Replica Bill of Materials

Version 2014December26

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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R2	68k	 blue-gray-orange	 blue-gray-black-red
R3	(Potentiometer, R3a & R3b on the PCB are blank)		
R4	3K9 (3.9K)	 orange-white-red	 orange-white-black-brown
R5	0 ohm or jumper wire	 black	 black
R6	1k	 brown-black-red	 brown-black-black-brown
R7	Blank		
R8	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow
R9	0 ohm or jumper wire	 black	 black
R10	Blank		
R11	390k	 orange-white-yellow	 orange-white-black-orange

Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	0.0047 μ F	Film or ceramic	472 or 4n7
C2	0.01 μ F	Film or ceramic	103
C3	47 μ F	Aluminum Electrolytic	47 μ F
C4	47 μ F	Aluminum Electrolytic	47 μ F
C5	Blank		
C6	Blank		



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Potentiometers:

Part ID	Value	Type
R3 - Gain Control	10k	Log (Audio) Taper

Other:

Part ID	Part Name
D1	LED
Q1	Germanium bipolar junction transistor NPN or PNP depending on version you are building
J1	Stereo quarter-inch jack
J2	Mono quarter-inch jack
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