



# Red Fuzz Distortion Bill of Materials




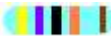










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## Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	1M	 brown-black-green	 brown-black-black-yellow
R2	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R3	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R4	1k8 (1.8k)	 brown-gray-red	 brown-gray-black-brown
R5	none		
R6	none		
R7	none		
R8	10k	 brown-black-orange	 brown-black-black-red
R9	2k2 (2.2k)	 red-red-red	 red-red-black-brown
R10 (Volume Control)	100k Log Potentiometer		
R11	1k	 brown-black-red	 brown-black-black-brown
R12 (Tone Control)	100k Linear Potentiometer		
R13 (Intensity Control)	1M Log Potentiometer		

## Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	none		
C2	0.047 $\mu$ F	Film	473
C3	0.001 $\mu$ F	Film	102 or 1n
C4	0.22 $\mu$ F	Film	224
C5	none		



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C6	0.1 $\mu$ F	Film or Ceramic	104 or $\mu$ 1xxx
C7	0.0033 $\mu$ F	Film	332 or 3n3
C8	100 $\mu$ F	Aluminum Electrolytic	100 $\mu$ F
C9	0.1 $\mu$ F	Film or Ceramic	104 or $\mu$ 1xxx
C10	10 $\mu$ F	Aluminum Electrolytic or Tant	10 $\mu$ F

### **Potentiometers:**

Part ID	Value	Type
R8 - Gain	500k	Reverse Log Taper Potentiometer
R10 - Volume	100k	Log (Audio) Taper Potentiometer

### **Other:**

Part ID	Part Name
IC1	LM351 Opamp
D1	1N914 or other clipping device
D2	1N914 or other clipping device
D6	Status Indicator LED and holder
D8 (optional) Reverse Power Protection	1N4001 or 1N914
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