



DIST (Ross™ Distortion Replica) Bill of Materials

Version 2013June12

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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	1M5	 brown-green-green	 brown-green-black-yellow
R2	1M	 brown-black-green	 brown-black-black-yellow
R3	1M	 brown-black-green	 brown-black-black-yellow
R4	1M	 brown-black-green	 brown-black-black-yellow
R5	10k	 brown-black-orange	 brown-black-black-red
R6	4k7 (4.7k)	 yellow-violet-red	 yellow-violet-black-brown
R7	500k Reverse Log Potentiometer		
R8	1M	 brown-black-green	 brown-black-black-yellow
R9	10k	 brown-black-orange	 brown-black-black-red
R10	100k Log Potentiometer		
R11	1k	 brown-black-brown	 brown-black-black-black

Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	1µF	Tantalum or Aluminum Electrolytic	1µF or 104
C2	0.01µF	Film	103
C3	0.001µF	Film	102 or 1n
C4	0.047µF	Film	473
C5	None		
C6	1µF	Tantalum or Aluminum Electrolytic	1µF



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C7	0.001 μ F	Film or Ceramic	102 or 1nk
C8 (optional)	100 μ F(originals had 0.01 μ F)	Aluminum Electrolytic	100 μ F

Potentiometers:

Part ID	Value	Type
R7 - Gain	500k	Reverse Log Taper Potentiometer
R10 - Volume	100k	Log (Audio) Taper Potentiometer

Other:

Part ID	Part Name
IC1	JRC741 Opamp
D1	1N34A (germanium) or other clipping device
D2	1N34A (germanium) or other clipping device
D4	Status Indicator LED and holder
D8 (optional)	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