

ISD9 (Ibanez™ Sonic Distortion™ SD9™ Replica) Bill of Materials








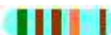















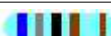


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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	10k	 brown-black-orange	 brown-black-black-red
R2	10k	 brown-black-orange	 brown-black-black-red
R3	1k	 brown-black-red	 brown-black-black-brown
R4	510k (511k Metal Film)	 green-brown-yellow	 green-brown-brown-orange
R5	470 ohm	 yellow-violet-brown	 yellow-violet-black-black
R6	10k	 brown-black-orange	 brown-black-black-red
R7	33k	 orange-orange-orange	 orange-orange-black-red
R8	100k	 brown-black-yellow	 brown-black-black-orange
R9 (Drive Control Potentiometer)	250k Linear		
R10	2k2 (2.2k)	 red-red-red	 red-red-black-brown
R11	2k2 (2.2k)	 red-red-red	 red-red-black-brown
R12	6k8 (6.8k)	 blue-gray-red	 blue-gray-black-brown
R13	6k8 (6.8k)	 blue-gray-red	 blue-gray-black-brown
R14 (Tone Control Potentiometer)	20k EQ taper		
R15 (Volume Control Potentiometer)	100k Linear		
R16	1k	 brown-black-red	 brown-black-black-brown






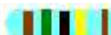


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R17	10k	 brown-black-orange	 brown-black-black-red
R18	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow
R19	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow
R20	1k	 brown-black-red	 brown-black-black-brown

Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	100µF	Aluminum Electrolytic	100µF
C2	0.047µF	Film	473
C3	0.22µF	Film	224
C4	0.047µF	Film	473
C5	220pF	Ceramic	221
C6	0.47µF	Film	474
C7	0.01µF	Film	103
C8	0.1µF	Film	104
C9	0.027µF	Film	273
C10	0.1µF	Film	104
C11	47µF	Aluminum Electrolytic	47µF

Potentiometers:

Part ID	Value	Type
R19 - Drive Control	250k	Linear Taper
R20 - Tone Control	20k	EQ Taper
R21 - Level Control	100k	Linear Taper

Other:



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Part ID	Part Name
IC1	JRC4558D or other dual opamp
D1	1N914
D2	1N914
D3	1N914
Q1	NPN bipolar junction transistor
J1	Stereo quarter-inch jack
J2	Mono quarter-inch jack
J3	DC Jack
B1	9 volt battery
Sw1	Heavy Duty 3PDT foot switch
	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knobs

Examples of other NPN bipolar junction transistors:

- 2N3904
- 2N4401
- 2N5088
- MPSA18
- many others