

ITS8 (Ibanez™ Tube Screamer 808™ Replica) Bill of Materials




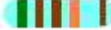













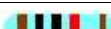

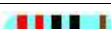

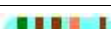





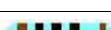


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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	1k	 brown-black-red	 brown-black-black-brown
R2	510k (511k Metal Film)	 green-brown-yellow	 green-brown-brown-orange
R3	10k	 brown-black-orange	 brown-black-black-red
R4	None		
R5	10k	 brown-black-orange	 brown-black-black-red
R6	4k7 (4.7k)	 yellow-violet-red	 yellow-violet-black-brown
R7	51k	 green-brown-orange	 green-brown-black-red
R8	1k	 brown-black-red	 brown-black-black-brown
R9	10k	 brown-black-orange	 brown-black-black-red
R10	10k	 brown-black-orange	 brown-black-black-red
R11	220 ohm	 red-red-brown	 red-red-black-black
R12	510k (511k Metal Film)	 green-brown-yellow	 green-brown-brown-orange
R13	10k	 brown-black-orange	 brown-black-black-red
R14	10k	 brown-black-orange	 brown-black-black-red
R15	100 ohm	 brown-black-brown	 brown-black-black-black
R16	10k	 brown-black-orange	 brown-black-black-red

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R17	1k	 brown-black-red	 brown-black-black-brown
R18	1k	 brown-black-red	 brown-black-black-brown
R22	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow
R23	1k	 brown-black-red	 brown-black-black-brown

Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	0.022µF	Film	223
C2	1µF	Film	105
C3	0.047µF	Film	473
C4	51pF	Ceramic or Film	51 (or substitute 47pF)
C5	0.22µF	Film	224
C6	none		
C7	47µF	Aluminum Electrolytic	47uF
C8	1µF	Film	105
C9	0.22µF	Film	224
C10	0.1µF	Film	104
C11	10µF	Aluminum Electrolytic	10uF
C12	100µF	Aluminum Electrolytic	100uF

Potentiometers:

Part ID	Value	Type
R19 - Drive Control	500k	Log (or Audio) Taper
R20 - Tone Control	20k	EQ Taper (or substitute 25k linear)
R21 - Level Control	100k	Linear Taper



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Other:

Part ID	Part Name
IC1	JRC4558D or other dual opamp
D1	1N914
D2	1N914
D2b	1N914 (optional, for asymmetric clipping)
D3	LED
D4	LED
D5	1N914
Q1	NPN bipolar junction transistor
Q2	NPN bipolar junction transistor
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

Examples of other NPN bipolar junction transistors:

- 2SC1815 (original) – Has a different Pin format than the PCB uses
- 2N3904
- 2N4401
- 2N5088
- MPSA18
- many others