



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


















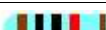

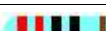

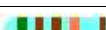

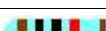






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Resistors:

| 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 | 0.022 μ F | Film | 223 |
| C2 | 1 μ F | Film | 105 |
| C3 | 0.047 μ F | Film | 473 |
| C4 | 51pF | Ceramic or Film | 51 (or substitute 47pF) |
| C5 | 0.22 μ F | Film | 224 |
| C6 | none | | |
| C7 | 47 μ F | Aluminum Electrolytic | 47 μ F |
| C8 | 1 μ F | Film | 105 |
| C9 | 0.22 μ F | Film | 224 |
| C10 | 0.1 μ F | Film | 104 |
| C11 | 10 μ F | Aluminum Electrolytic | 10 μ F |
| C12 | 100 μ F | Aluminum Electrolytic | 100 μ F |

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