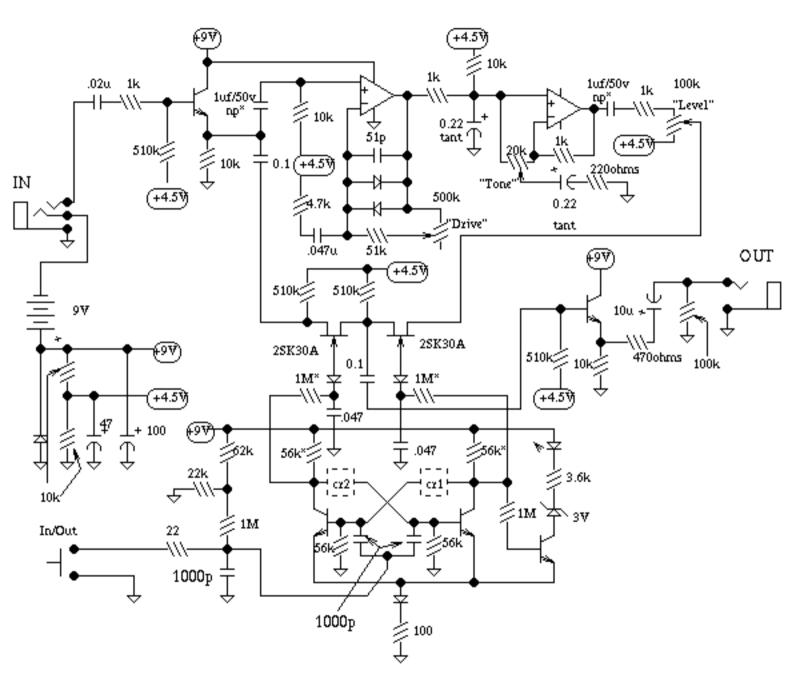
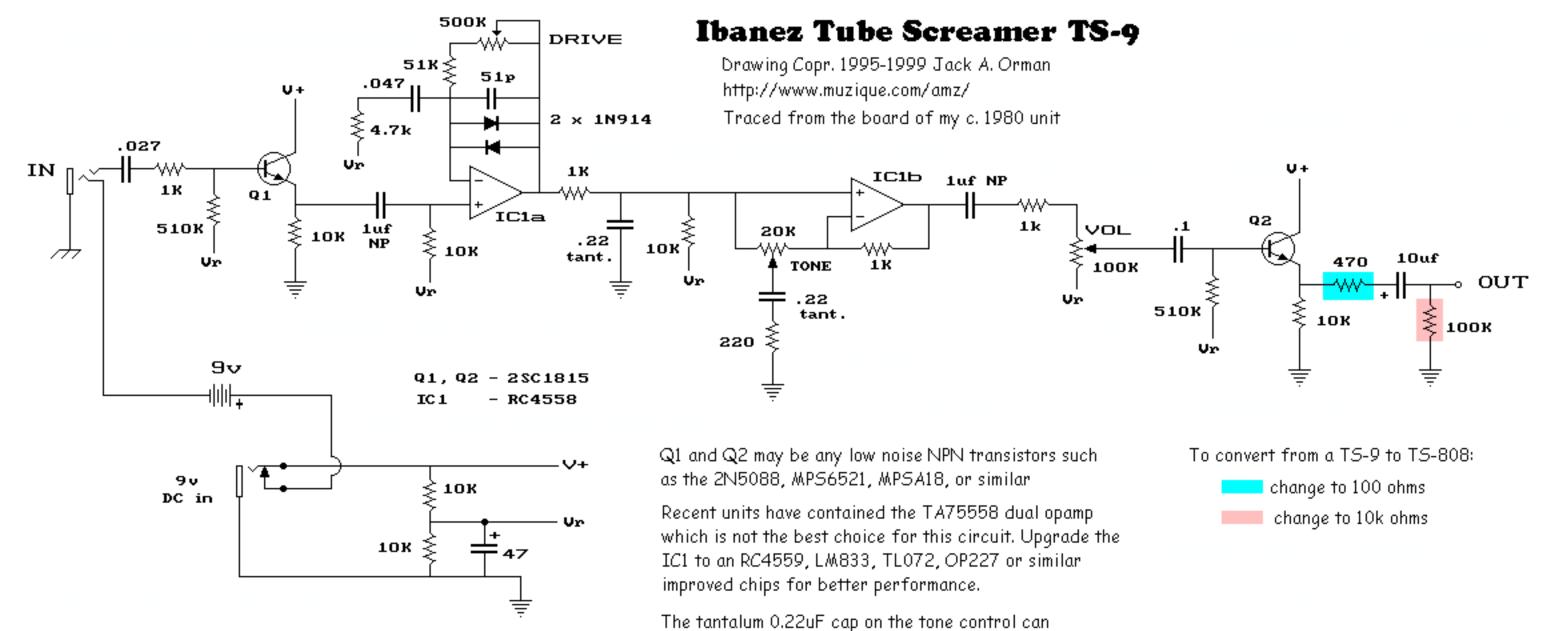
TS-9 Tube Screamer

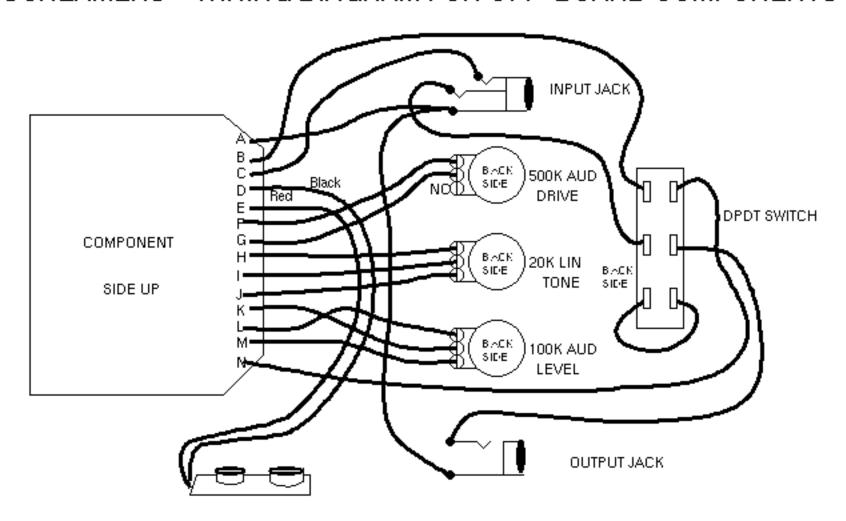


Opamps are in a dual 8 pin dip, 4558. All transistors 2SC1815. All diodes silicon signal diodes, 1n914 or similar. np* = nonpolorized resistors denoted by * marked as 1M on original might be 22k and those marked as 56K might be 10k. crf1 and cr2 are a special cap and resistor in parallel, the cap is 51p the resistor is 56k.

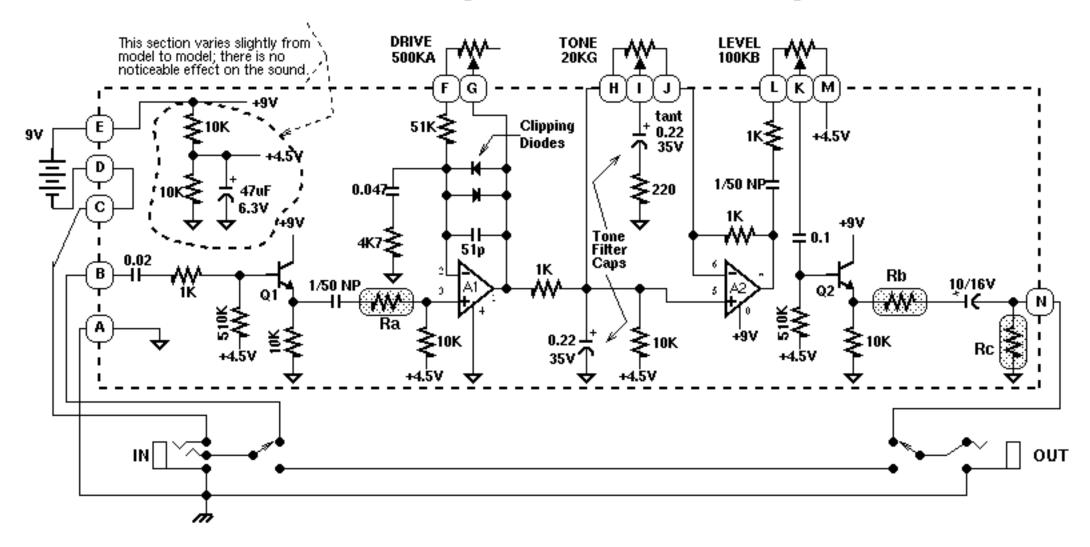


be changed to a poly film type for better response. Also, it may be lowered to 0.1uF to open the range.

SCREAMERS - WIRING DIAGRAM FOR OFF-BOARD COMPONENTS



TS -9, -10, -808 Signal Path with External Switching



Component differences from model to model

	Ra	Rb	Rc	Ор Атр
TS808	0	100	10K	RC4558
TS9	0	470	100K	RC4558
TS10	220	470	100K	NJM4558

TS-5 is the same schematic as TS-9.

Fertile areas for mods

- Clipping diodes change ONE diode to a different type for asymetrical clipping Perhaps one diode gets changed to two or three germanium diodes (1N34A, Radio Shack) for asymetrical clipping, or both changed to different colored LED's.
- tone filter caps change to film from tantalum and dink with values; up to as much as 0.47uF for more bass and mids, down to 0.1 for more treble.
- Other dual opamps: some units have TA75558 opamps installed; put in a socket and swap amps for lowest noise and best distortion. Good possiblities are LM358, TL072, LM833, LT1124, OP227.