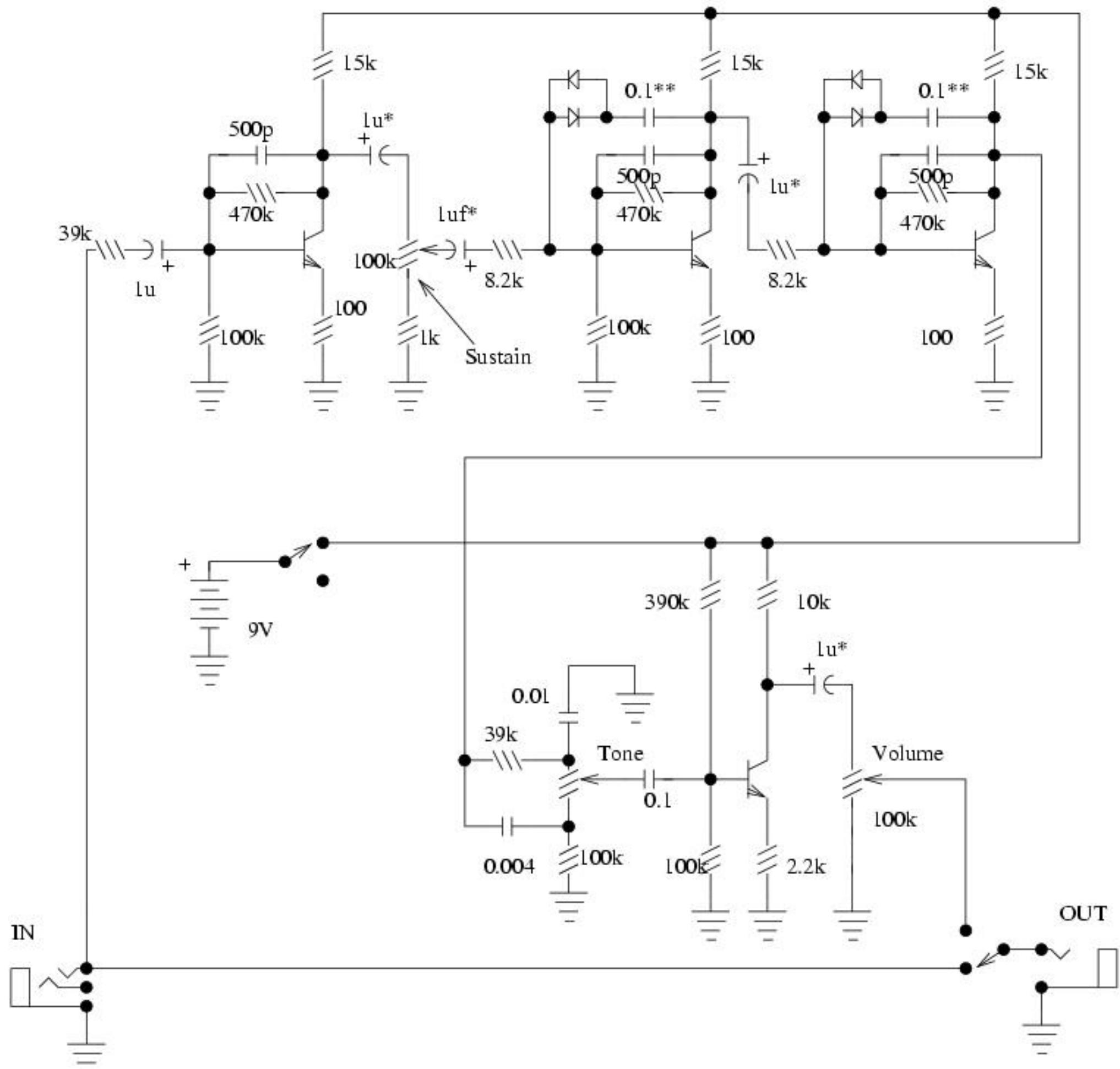


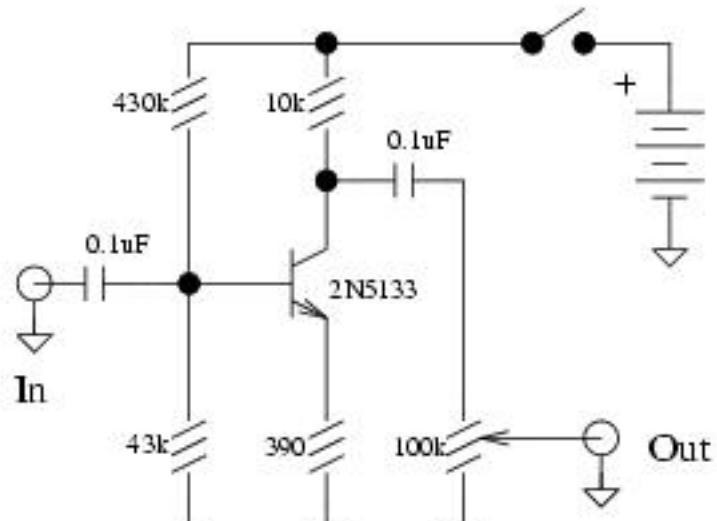
ELECTRO HARMONIX		
DESIGNED BY:	D. COCHERELL	
REVISION:	1.1/12/78	
Title	ELECTRO HARMONIX BASS MICRO SYNTHESIZER	
Size	Document Number	REV
A	DRAWN BY: FABIAN P. MARTINEZ	1
Date:	September 28, 1995	Sheet 3 of 3

ELECTRO-HARMONIX BIG MUFF PI



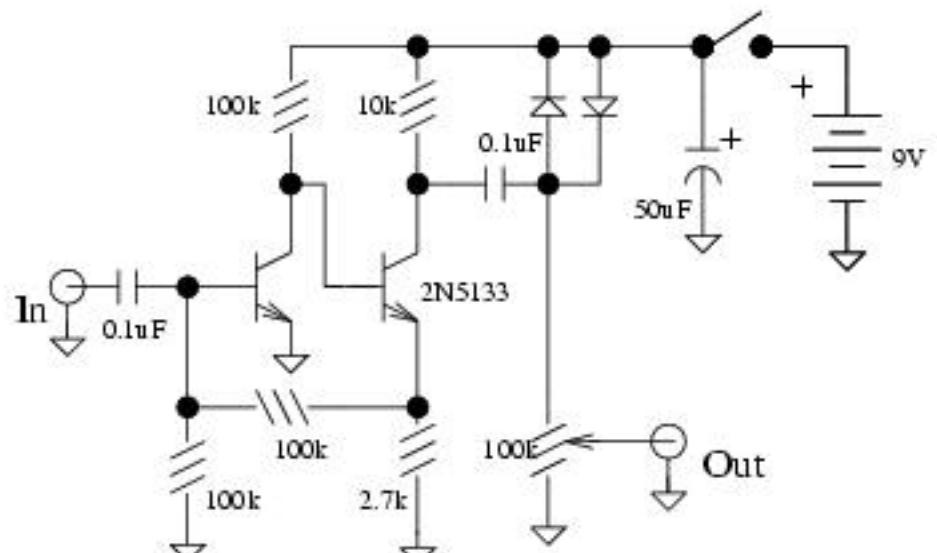
The EH Big Muff Pi would probably be improved by modern input-jack power switching and a DPDT bypass switch. This is the original schematic. The diode and transistor types are unknown. Probably any high gain NPN and 1N914s work. Coupling caps marked by a * have been reported to sound better if changed to 0.1uf as have the ** marked ones if changed to 1.0uf. The original transistors were marked SPT 87-103, and the original diodes were marked 525GY or 523GY (hard to read).

ELECTRO HARMONIX BOOSTERS

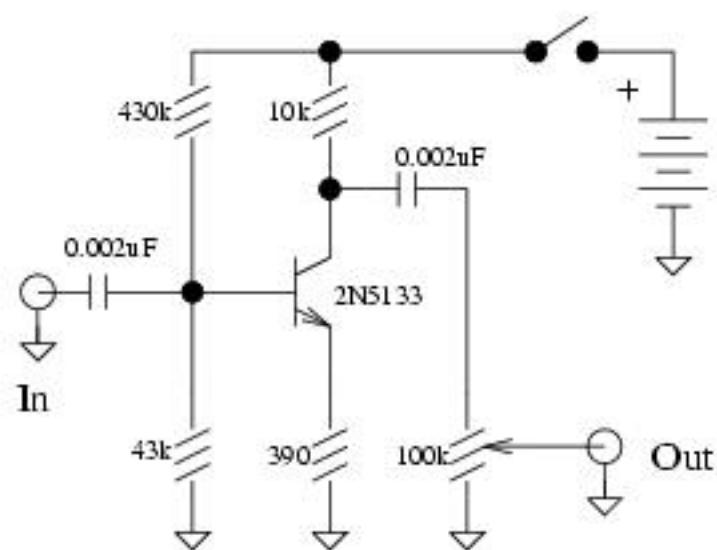


LPB-1, LPB-2, EGO

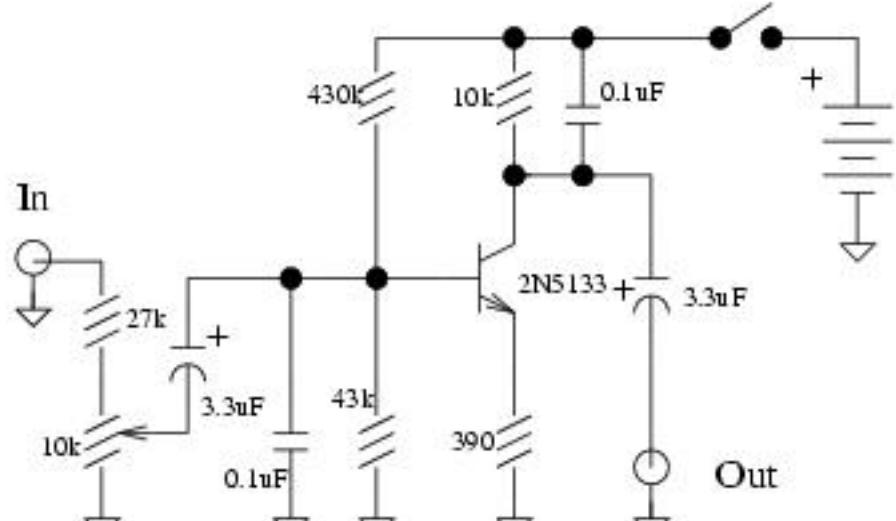
Other variations on the LPB-1 include a BC239 with a 100k resistor from base to ground and a 1M resistor between base and collector.



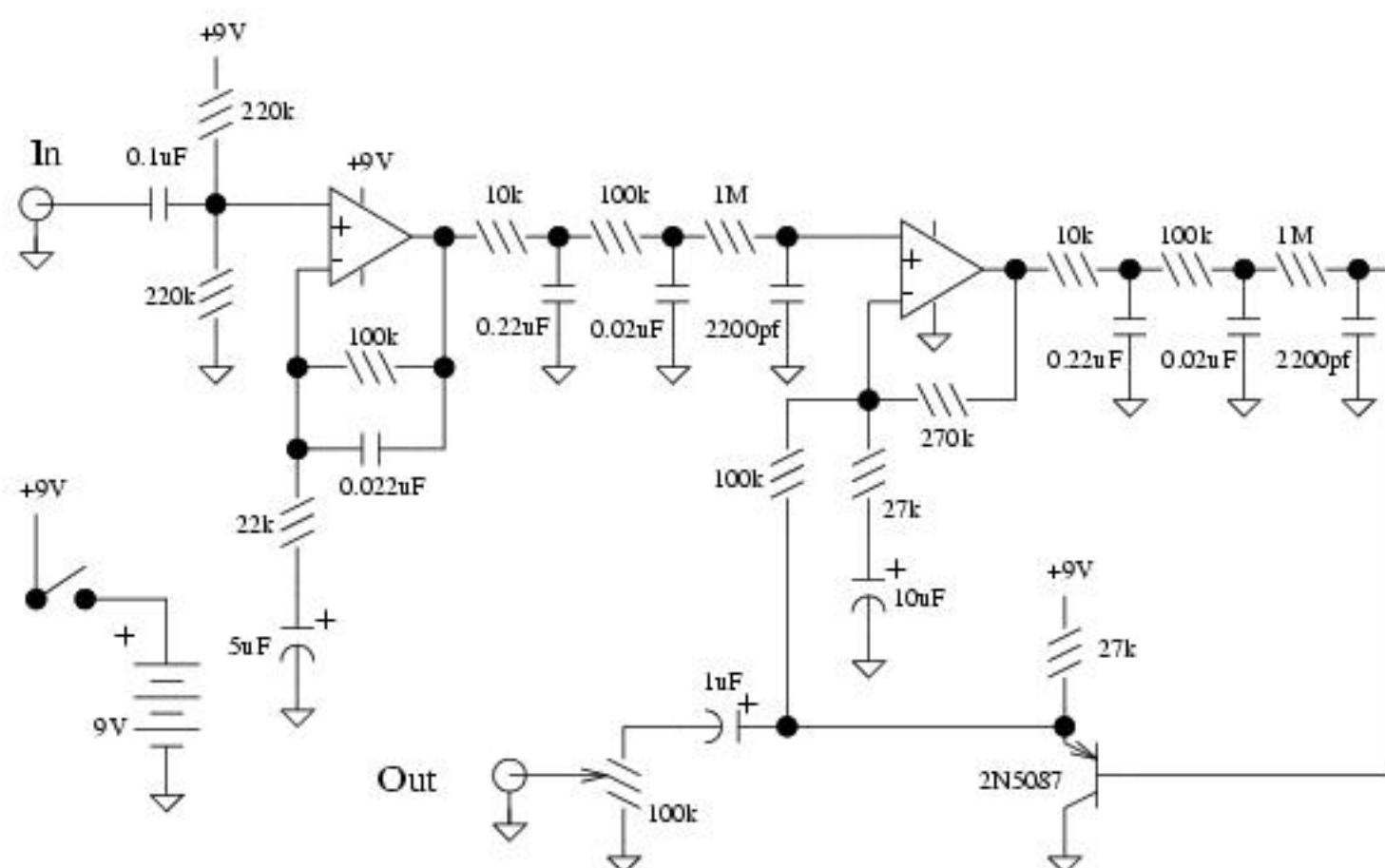
Muff Fuzz / Little Muff Pi (early)



Screaming Bird/Tree



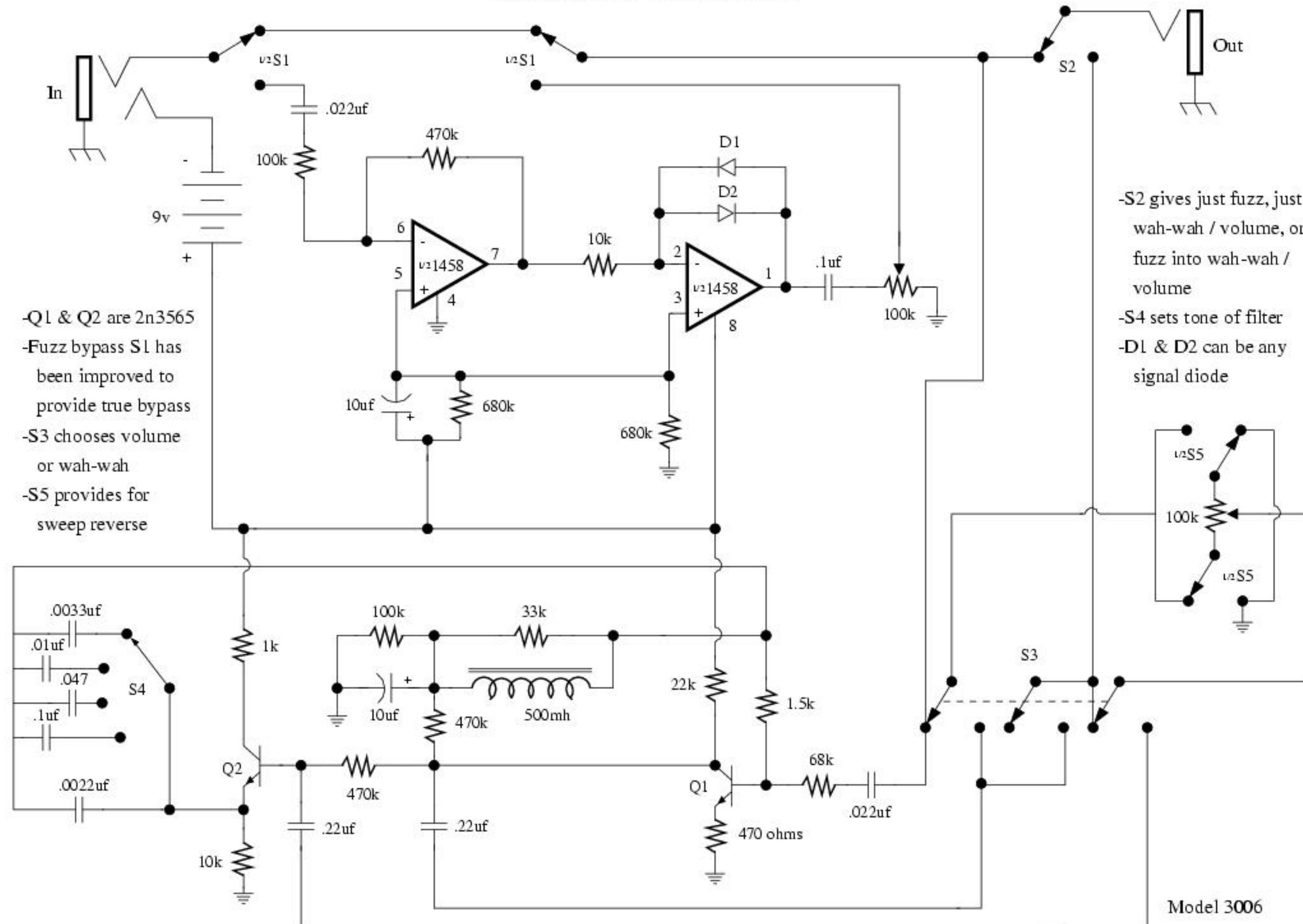
Mole/ Hog's Foot (Old Version)



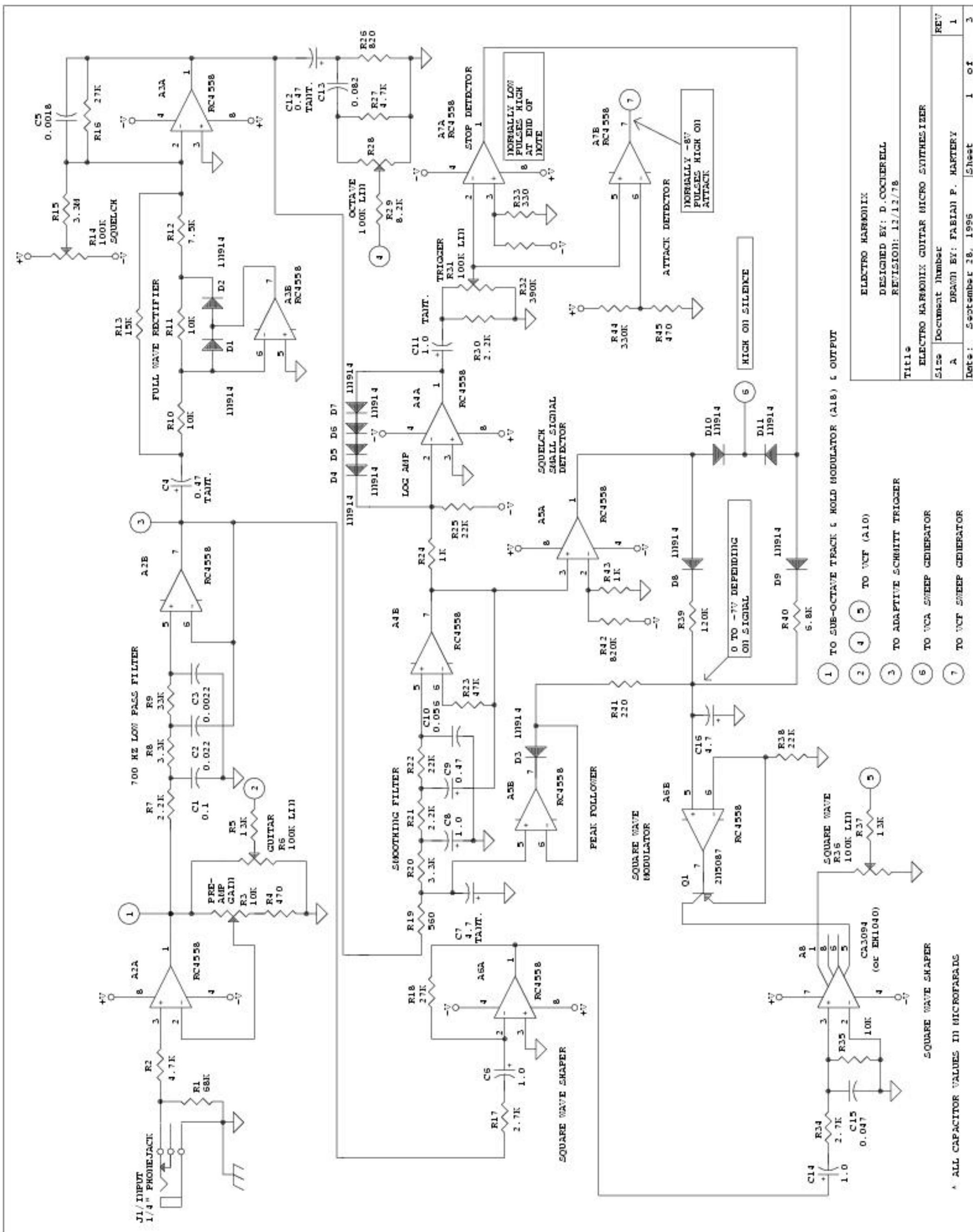
Hog's Foot (new)

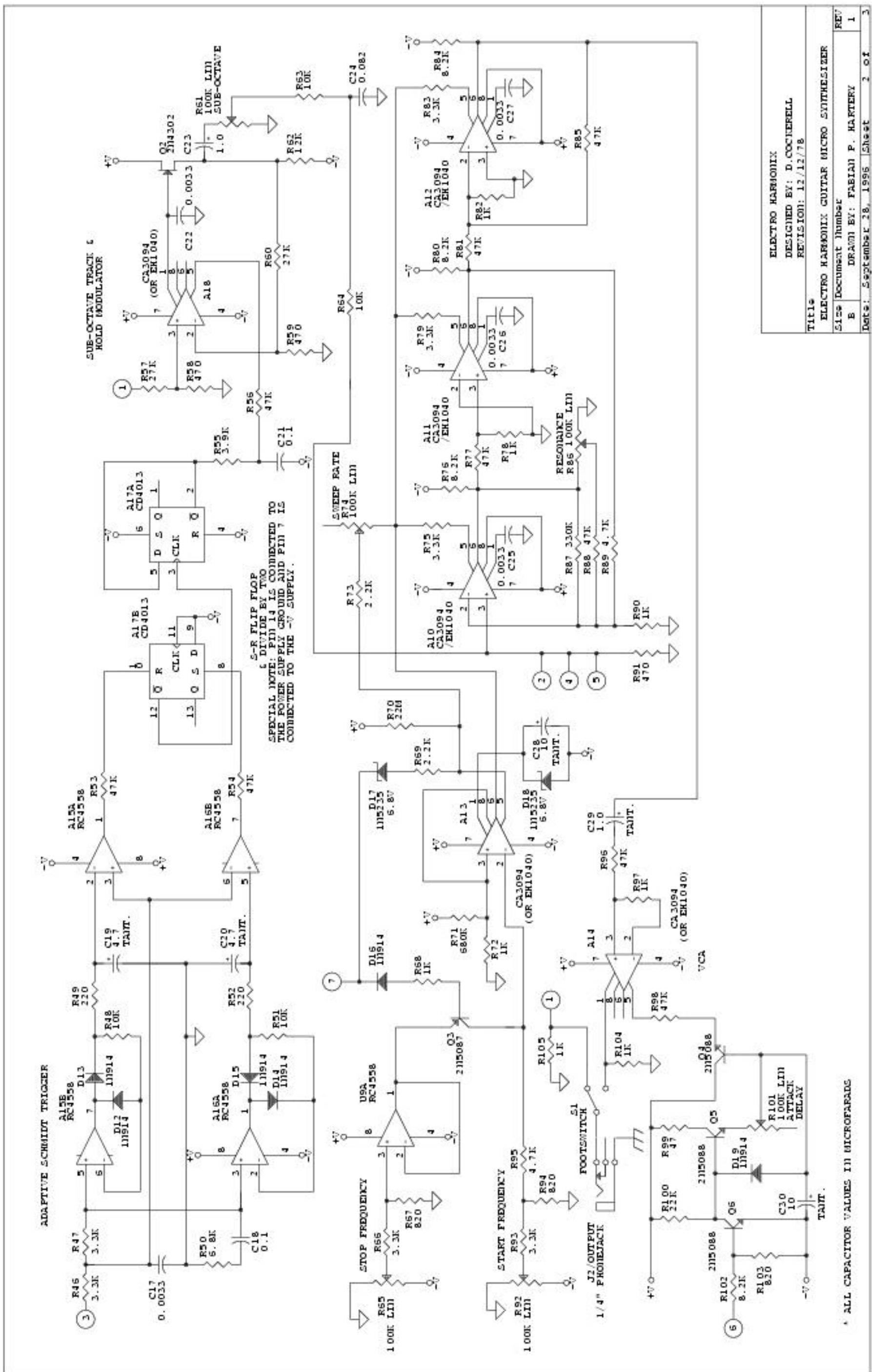
Electro Harmonix Fuzz-Wah

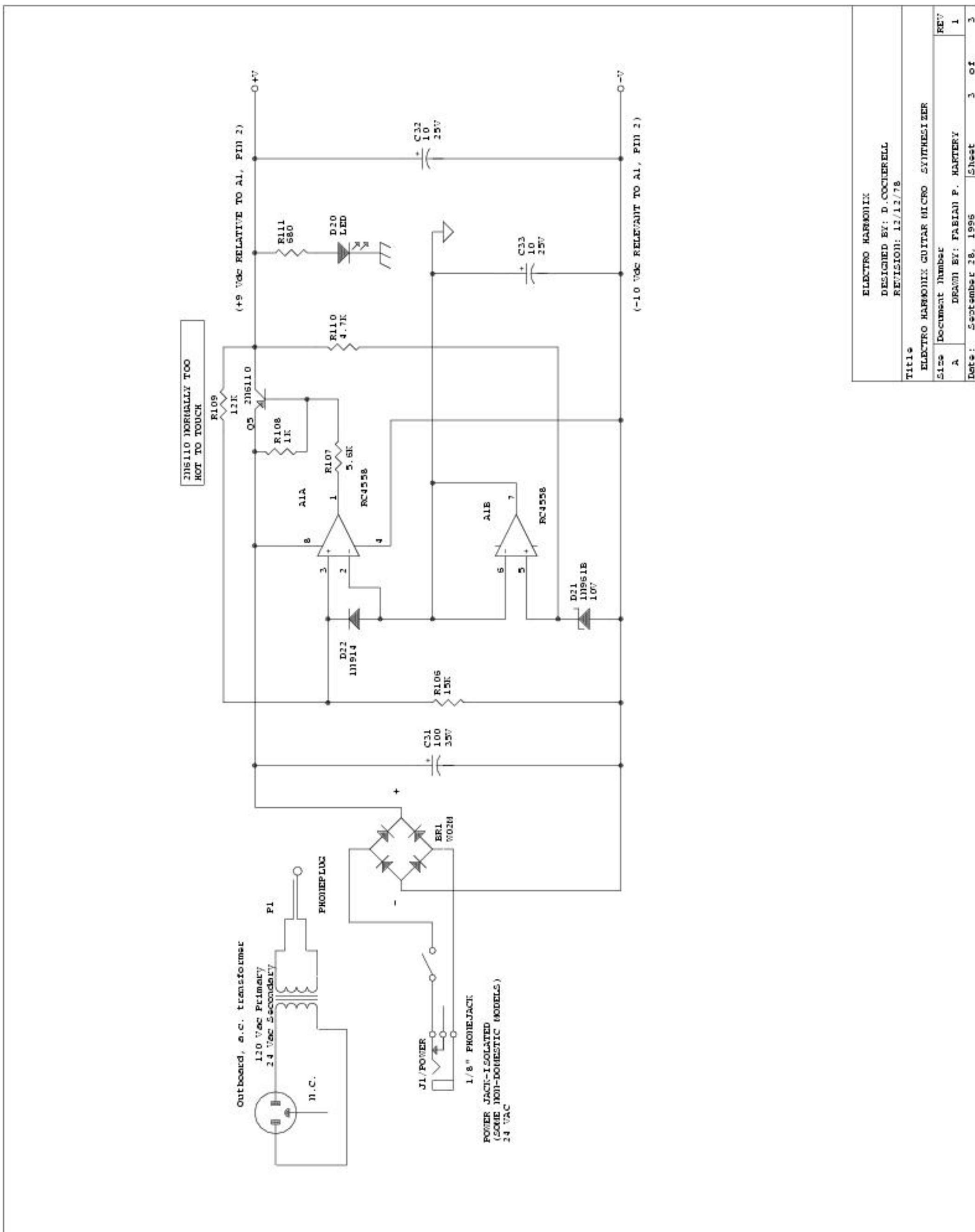
(Actually Fuzz-Wah/Volume)



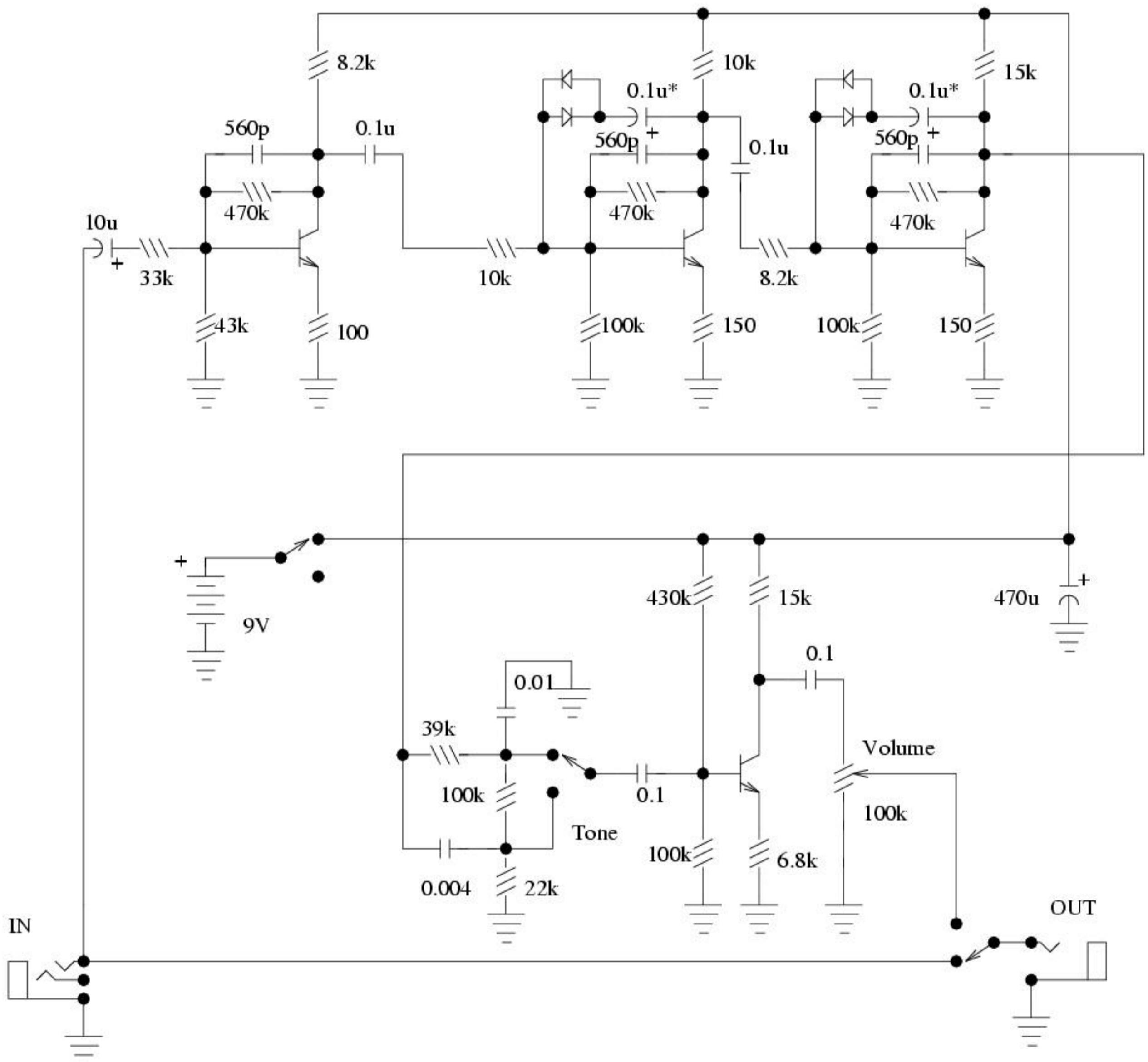
Model 3006







Electro-Harmonix Little Big Muff

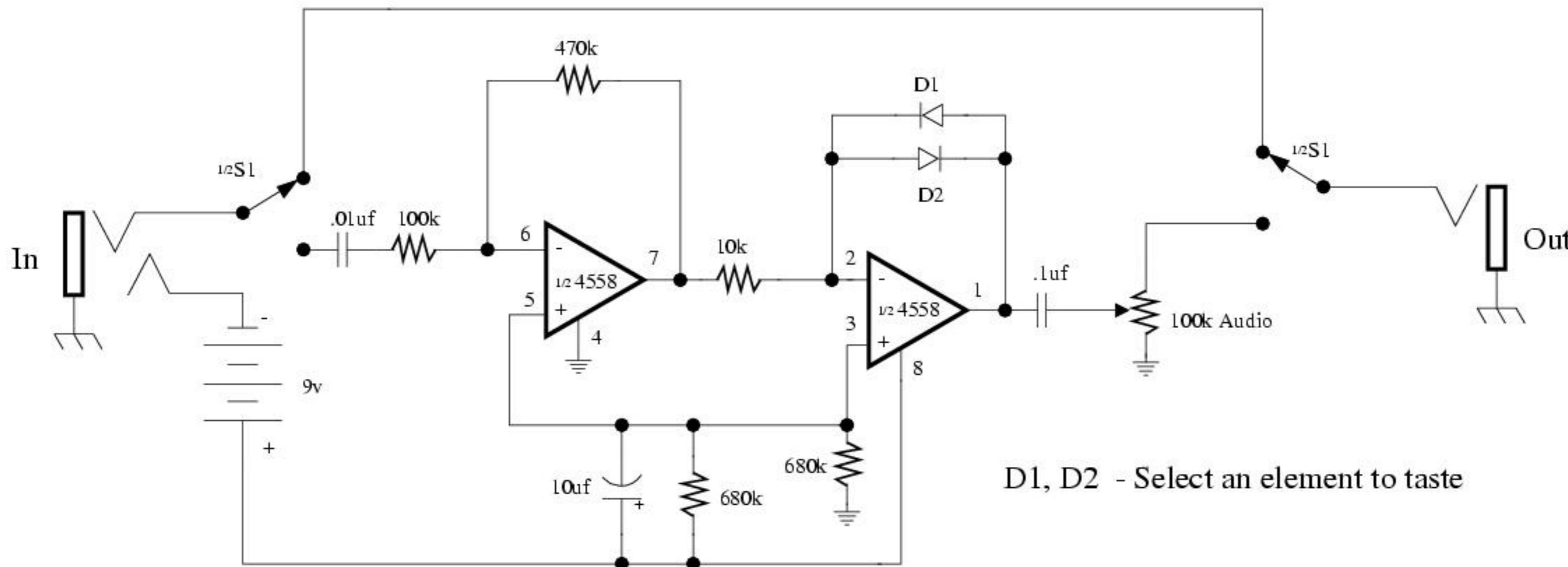


The EH Little Big Muff could probably be improved with modern input jack power switching and a DPDT bypass.

This is the original schematic. The diode and transistor types are unknown. Probably any high gain NPN and 1N914s work. The caps marked with a * have been reported to work great at 1.0uf.

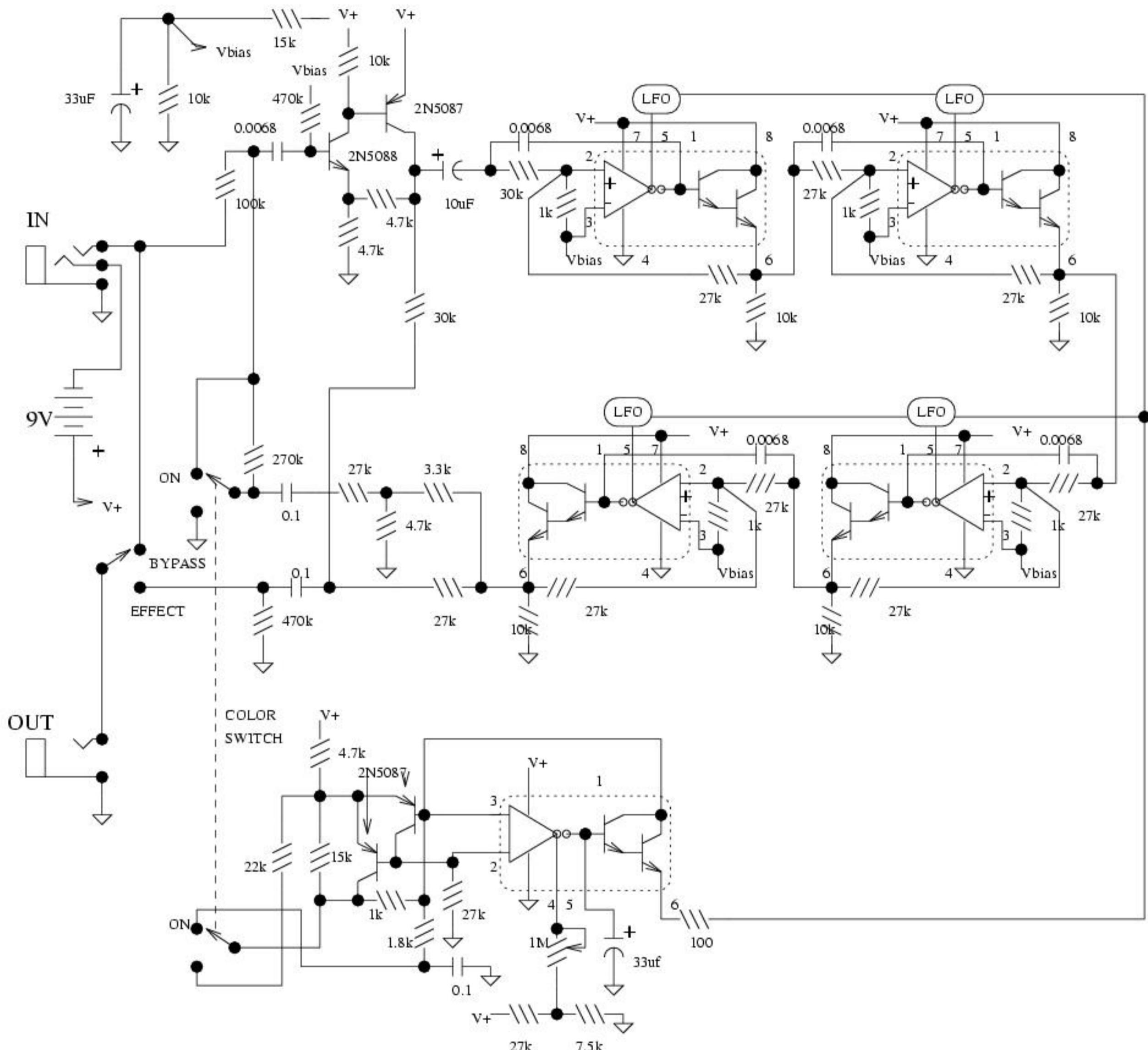
Muff Fuzz

Electro Harmonix



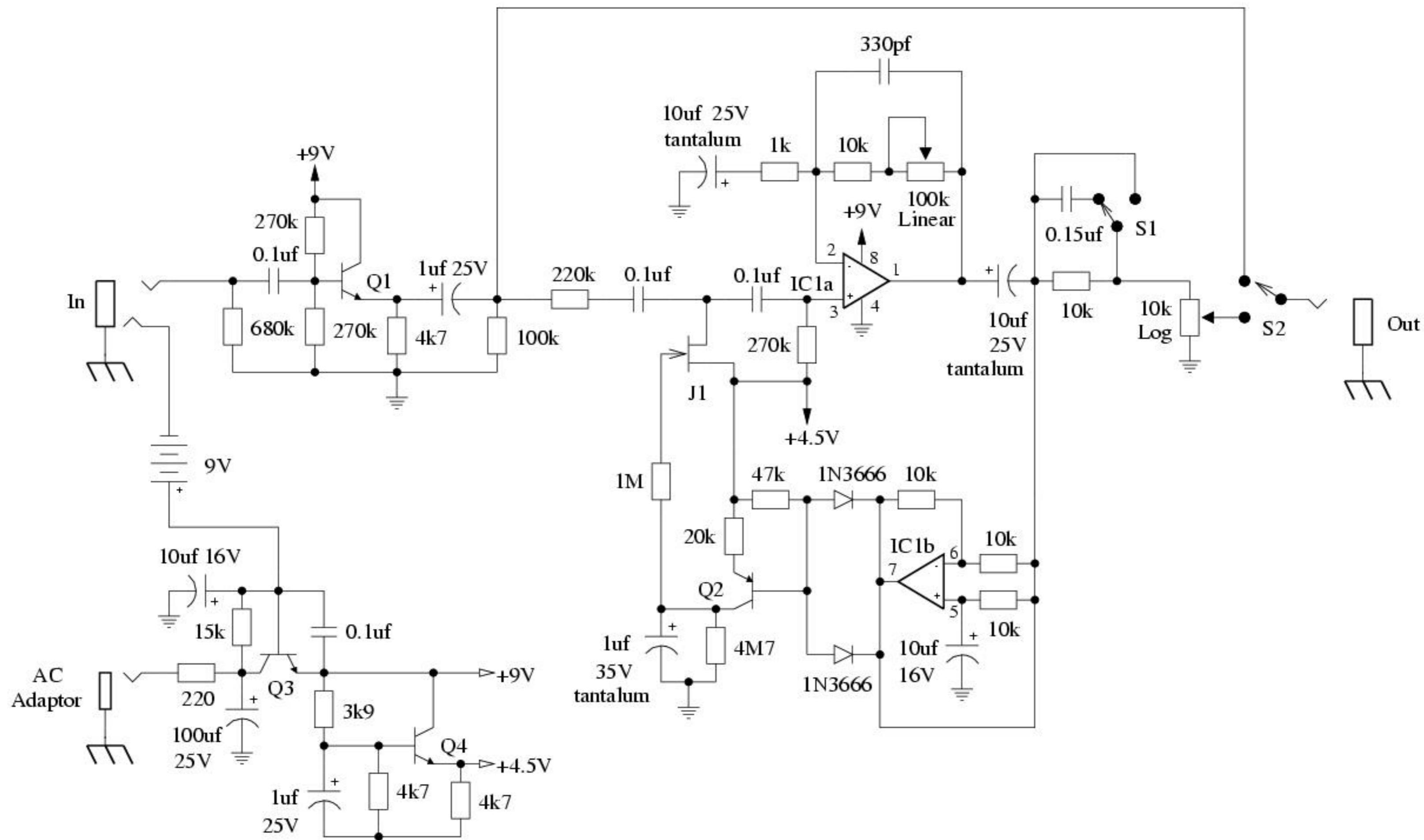
EH Small Stone Phaser

Issue J



The Small Stone is somewhat unique in using Operational Transconductance Amplifiers (OTA's) for phase shift stages instead of opamps with variable resistors. All of the IC's are house marked EH1048, but can be replaced with CA3094 which is a combination of an OTA equal to the CA3080 and a darlington emitter follower. Later Small Stones used slightly different circuits, but all used the OTA.

Name: Soul Preacher	Manufacturer / Designer:	Electro-Harmonix	Revision: 10/13/95	Model #
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-All resistors are carbon film, 1/4W, 5%, unless otherwise noted

-All non-polarized capacitors are mylar, 50V, 10%, unless otherwise noted

-Transistors Q1-4 and FET J1 are unknown

-IC1 is a 4558

IC1 - TL082
IC2 - 4558
Q1, Q4 - 2N5087
Q2, Q3 - 2N4859A

IC9 - 571
IC11, IC4 - Unmarked Dual Op-Amp, probably a 4558
D1, D2 - Signal Diode ?
D3, D4 - 6.8v Zener

IC7, IC8 - Unmarked ?

