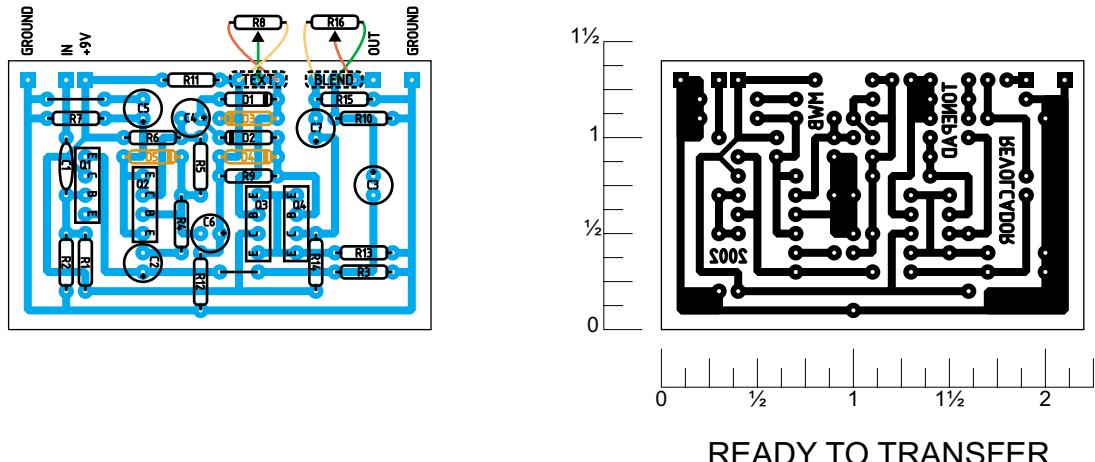


This circuit is a workalike of the über-rare Ampeg Scrambler distortion/octave pedal. Jacks and bypass switch are not shown on the layout. Diodes marked in orange are on the factory schematic, but are supposedly not on actual units. Any registered trademarks remain the property of their owners. Visit tonepad.com for more information on this project.



Part values in orange are those originally specified in factory schematic

RESISTORS

R1, R2 – 1M
R3, R6, R13 – 4k7
R4 – 2k2
R5 – 470k
R7 – 220
R8 – 10k linear pot
R9 – 8k2
R10, R15 – 47k
R11, R12 – 220k
R14 – 1k
R16 – 47k or 50k linear pot

CAPACITORS

C1 – 10nF
C2, C4, C6 – 4u7 or 5uF electro
C3, C7 – 1uF electro
C5 – 100uF to 125uF electro

SEMICONDUCTORS

Q1, Q3, Q4 – High-gain darlington (2N5306, MPSA14, etc)
Q2 – Medium-gain NPN (BC169B, 2N3904, etc)
D1 - D5 – Silicon diode (1N456, 1N4148, etc)

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