## **Boss VB-2**

## Section A:

drawn by This is the signal path. All transistors (Q1 - Q4) K. Vonderhulls are KSC732 originally or can be substituted with of BC550. In the original pedal, your bypassed b.y.o.c. signal had to travel through all of this including an idle BBD! No wonder they added the bypass setting to the 3-way rotary switch. The bypass R22 10k setting jumpers the emitter of Q1 to C17 and Chorus Mod bypasses the rest of the circuit, but this is redundant with true bypass wiring. R23 47k +9٧ C16 Vb Q3 R18 15K C14 Q4 0.1 .0068 C10 220p R21 R24 1k .0039 C12 150p ].01 R10⊋ Vb ŞŞ<mark>R12</mark> MN3207 Vb IC2a Section B: This is the LFO/Depth Ramp section of the circuit. SW1 is a DPDT switch instead of the 3pos2pol rotary switch used in the original. The "latching" +9v and "bypass" settings are done away with. SW1b is a modification added so that the SW2 ramp switch is active only when in depth ramp mode C22 is the pitch intensity mod cap which was originally called "non-latching". +9v R33 SW1b MN3102 MN3207 47p Q6 R29 100k 33k IC2h C20 10uf SW2 Q5 1kR40 1k R39 ▼ D3 RATE 330k 2.7k Q8 IC3 470k ఘ{R28 100k 18k R35 5 ₽ \$R36 .047 C19 BA634 IC5 .047 Q9 +9v 1M R55 쥿 D4 220 1 M 1MR54 +9v 1N914 R57 470k 要{R51 100uf 1N4002 C26/ Q1 150k R52 ₹R50 R49 = 15 -0 SW1a Depth Ramp Continuity = ON

Q1-4 KSC732 originally or BC550

Q5 - 10 KSC945 Q11 KSA733 D1 - 6 1N914