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### **Technical Document Distribution**

Brand: Model Product: Description:	Oberheim OB-1 Synthesize Schematic	er		
Musicparts Document Number: 45875		TechTips: No	Pages: 20	Dated: 1977-78

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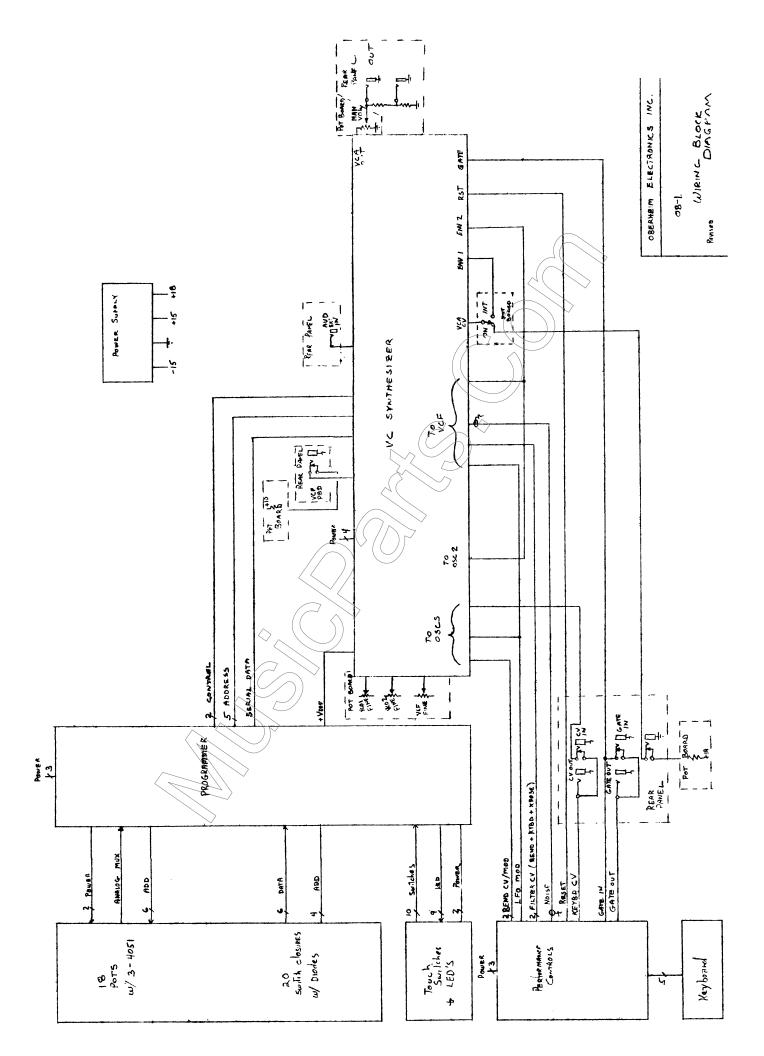
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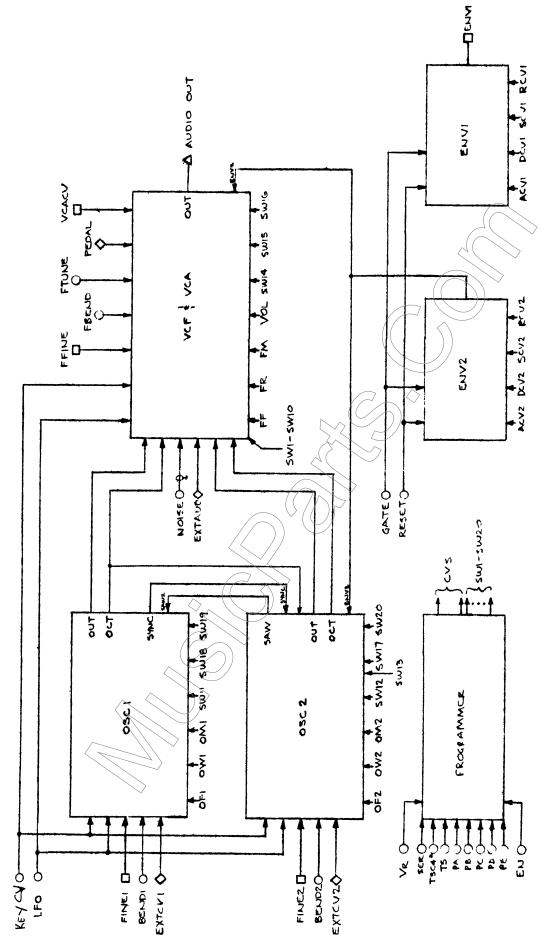
### Oberheim

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### OB-1

## Schematics

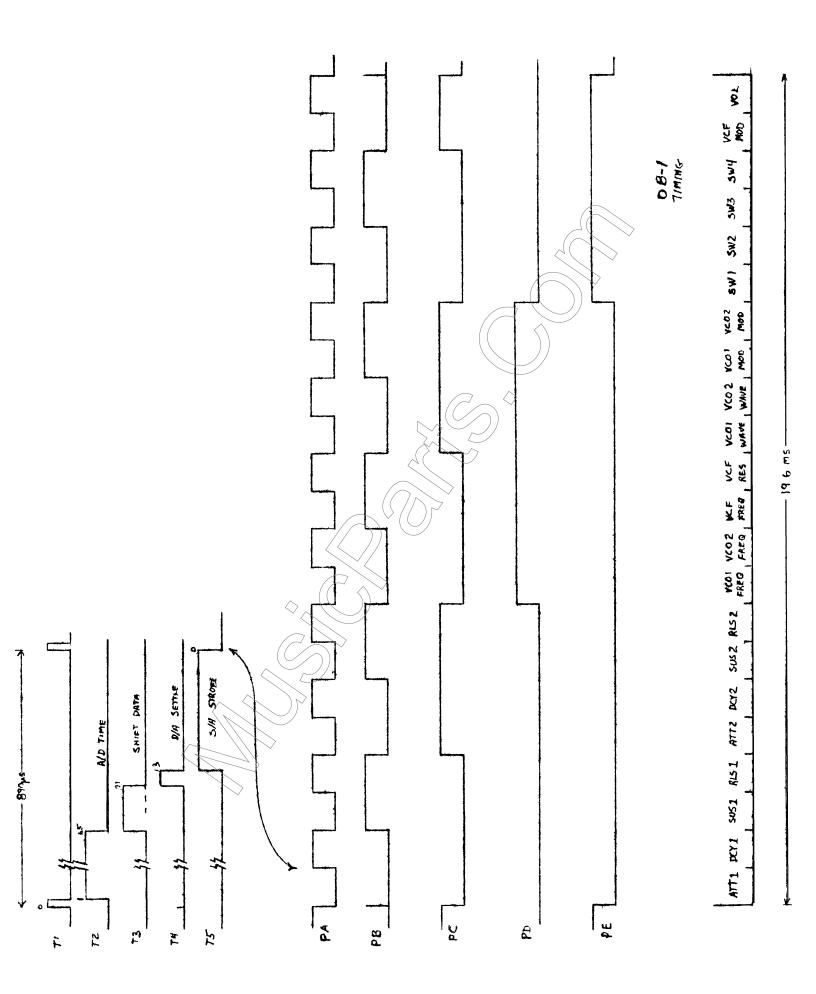


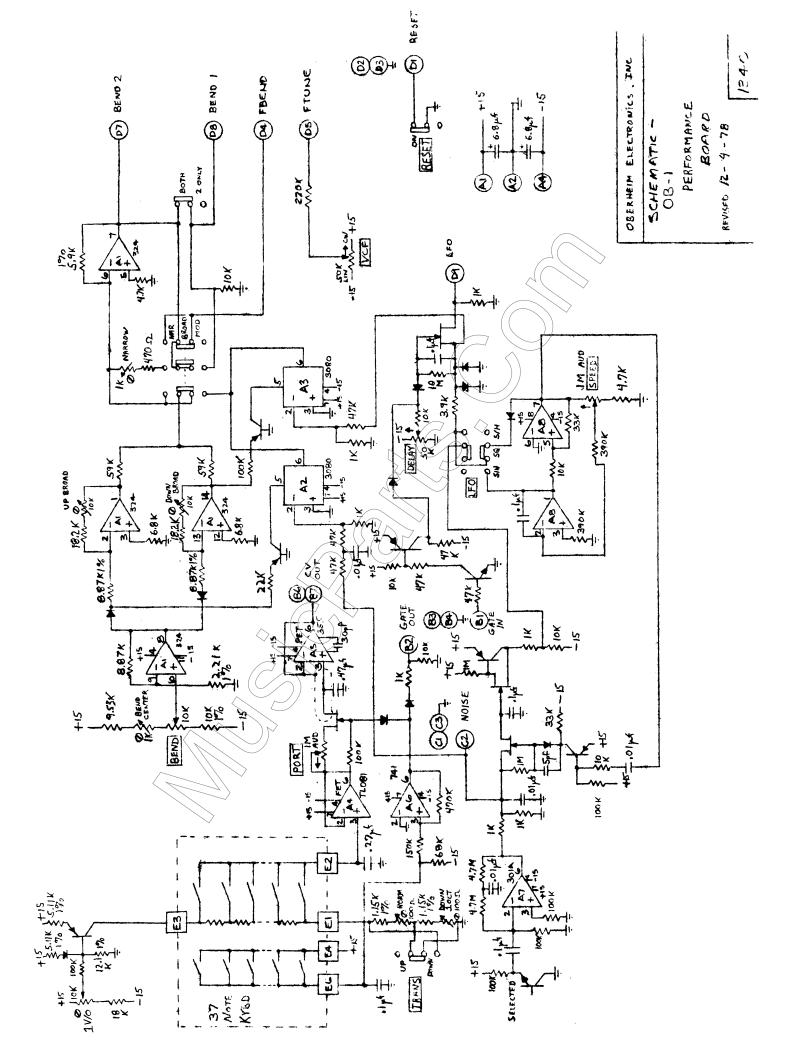


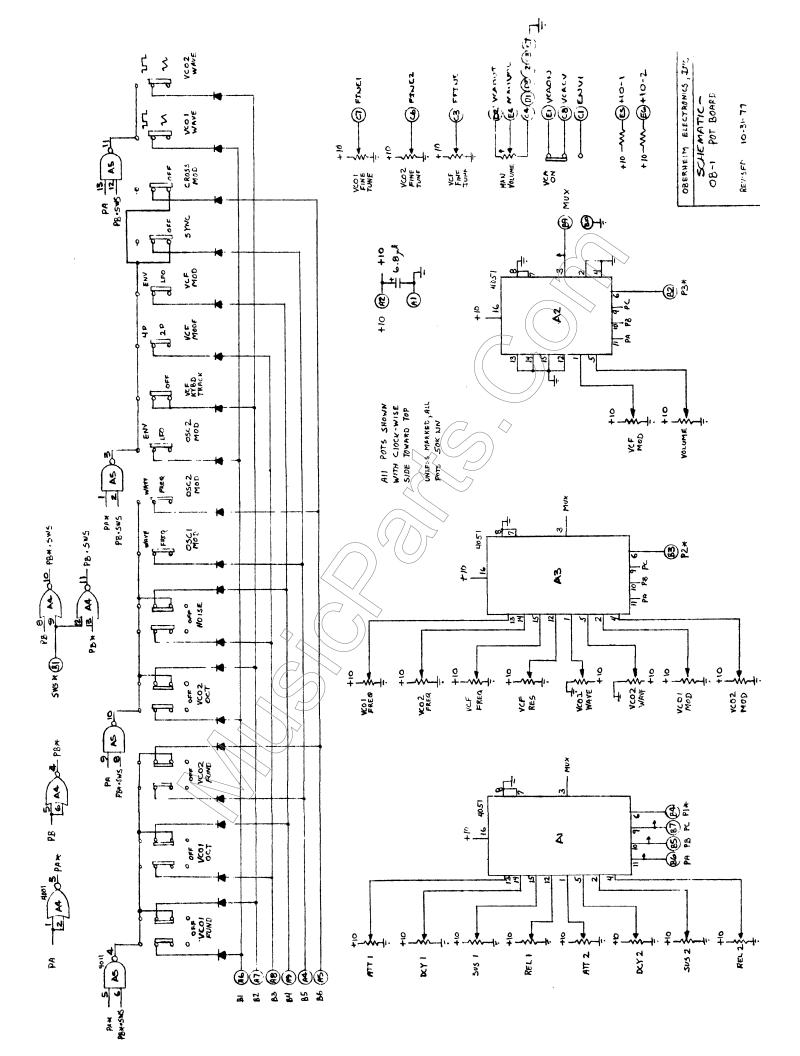
O=TOFRON PERTANNEE 80 0=TOFRON POT 80 \$\$ TOFFIN REAR PANE.

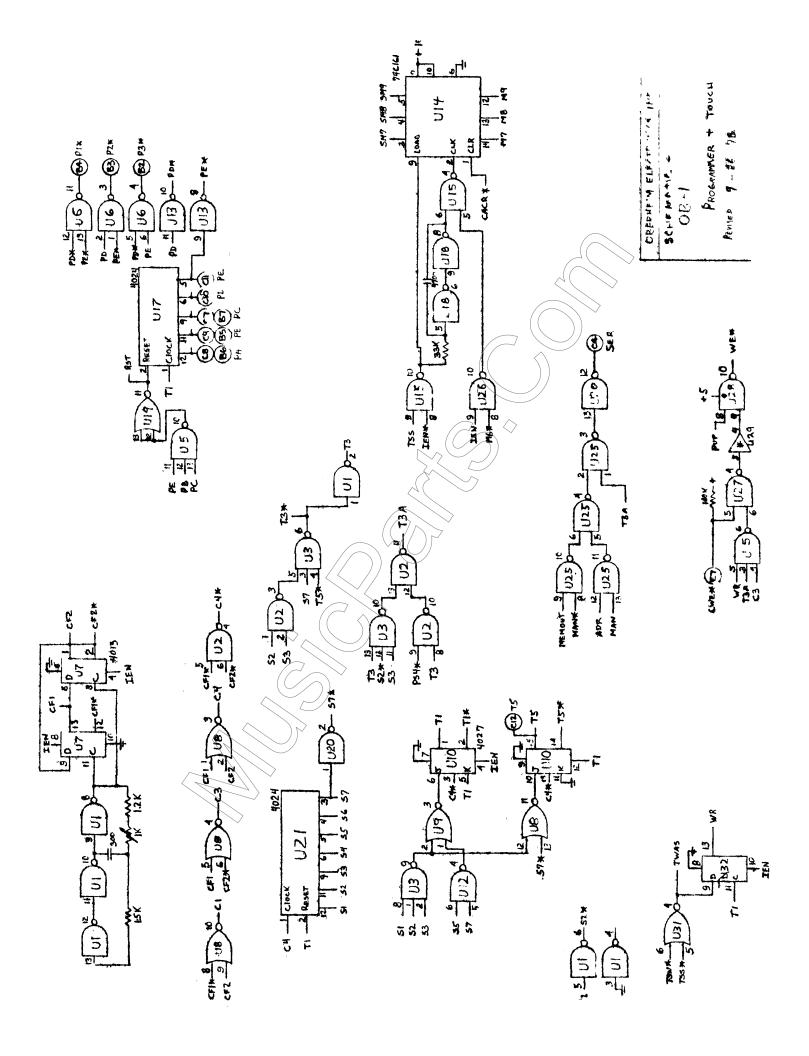
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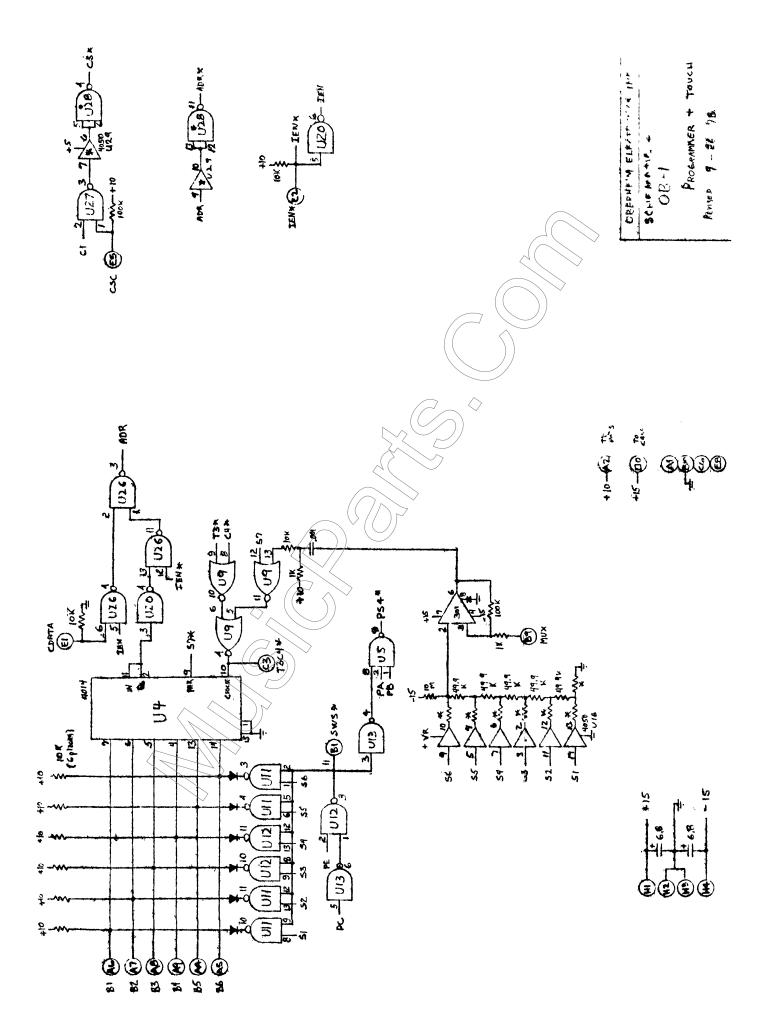
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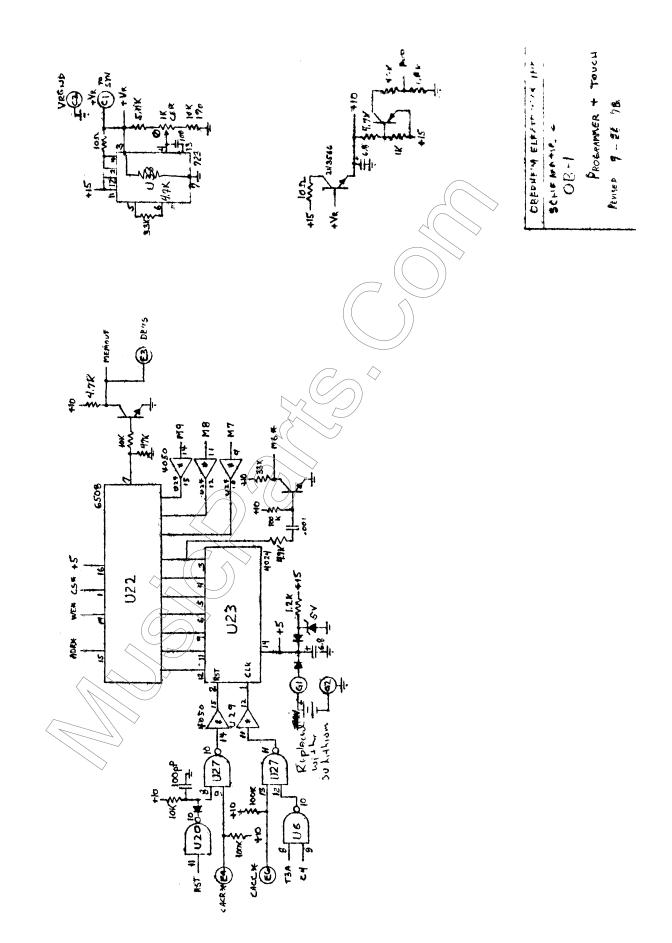


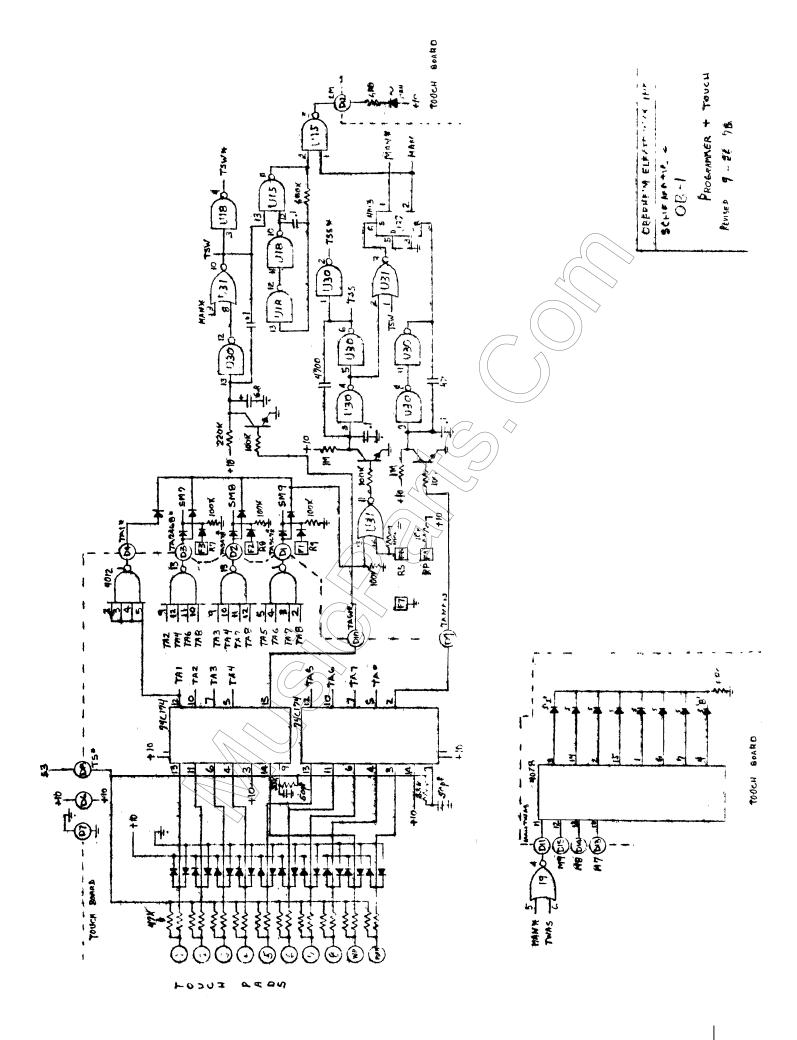


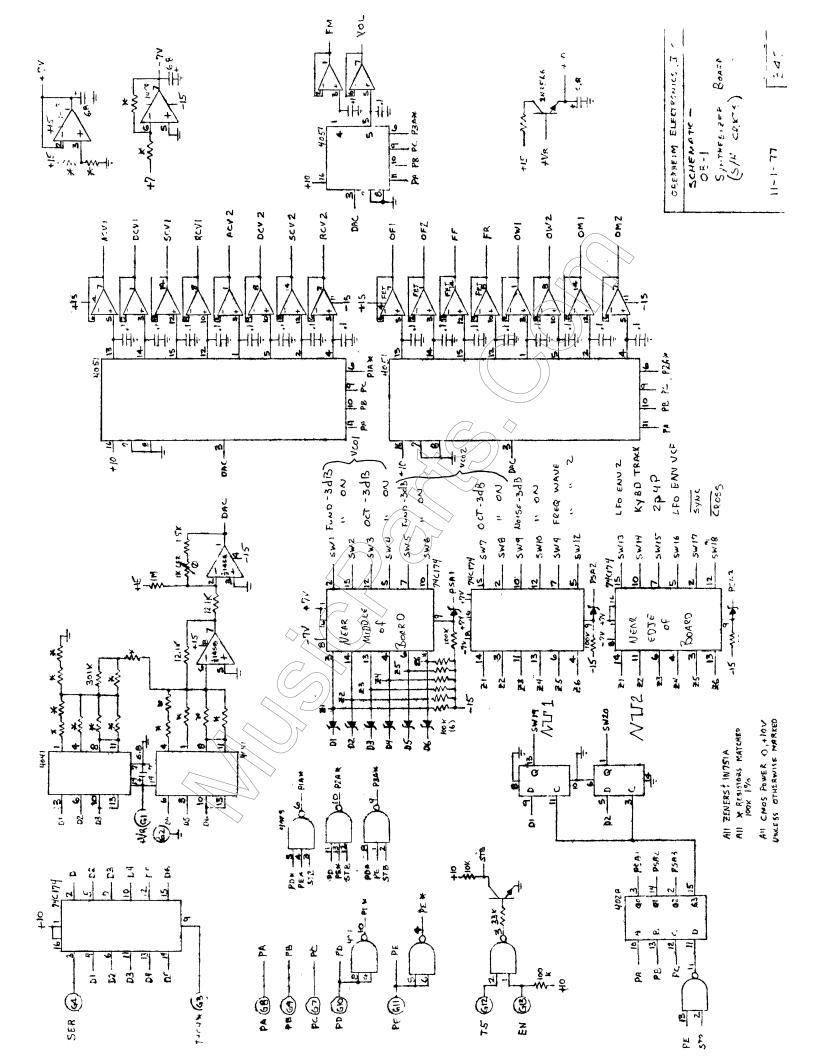


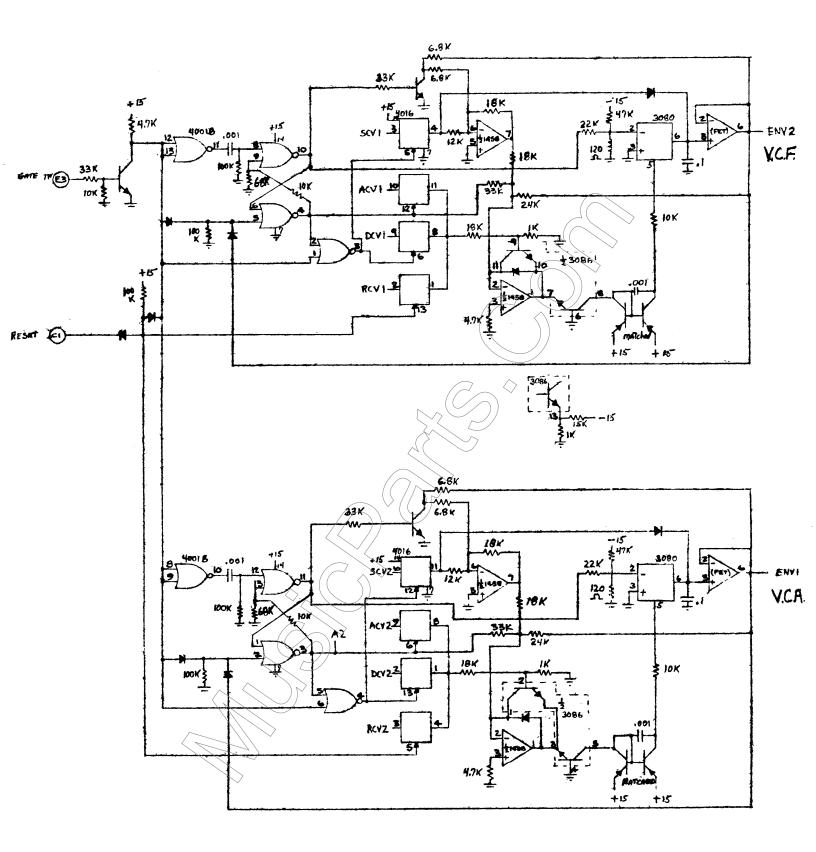








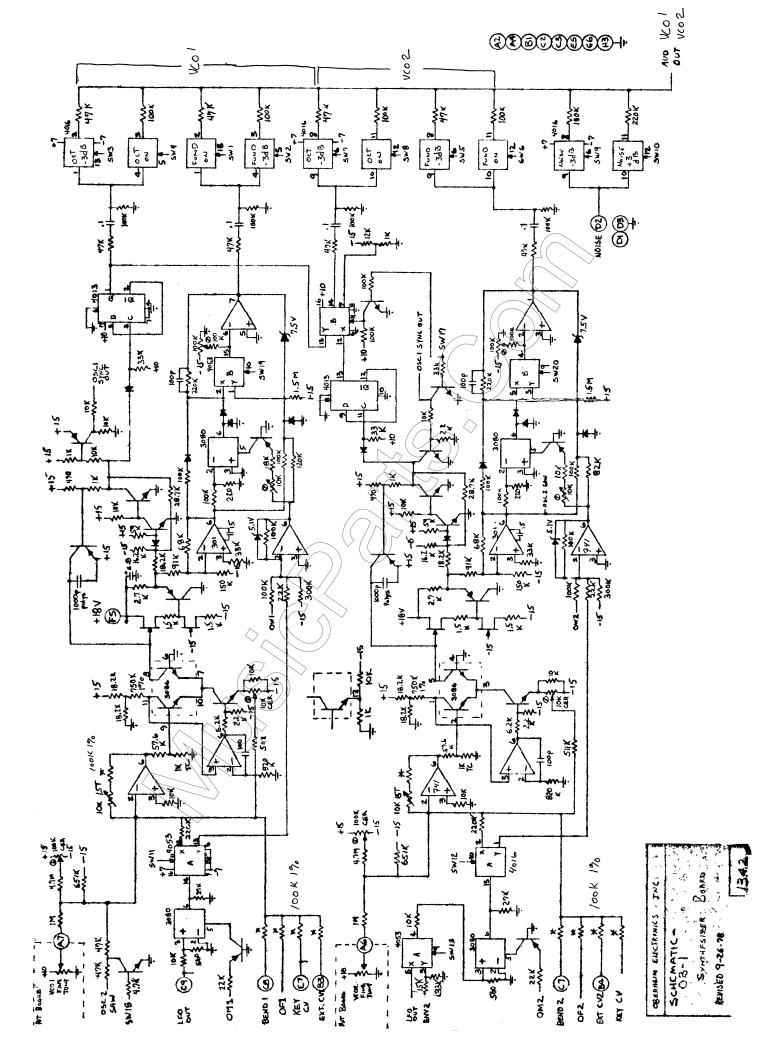


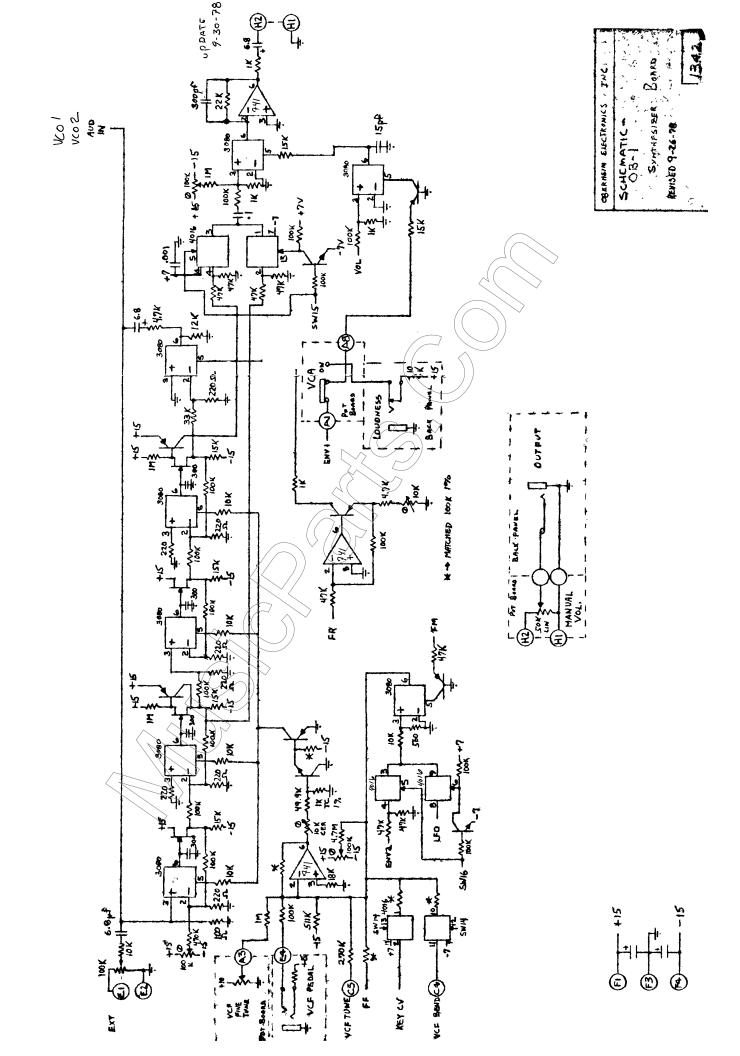


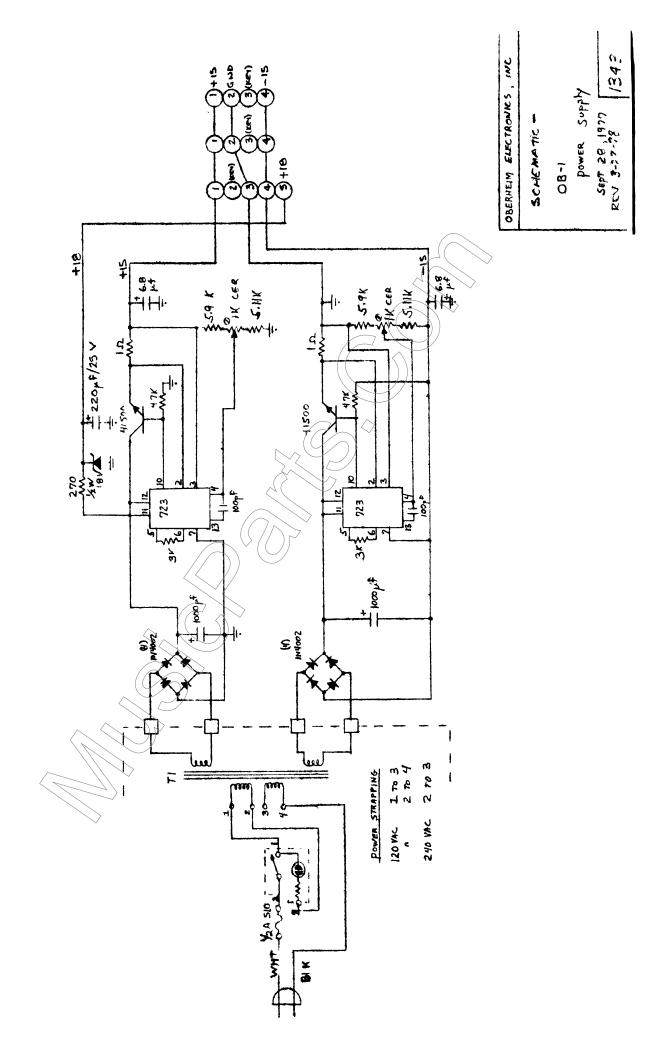
Notes: 4001 MUST BE Buffered

RESISTOR VALUES UP dATE 12-11-70

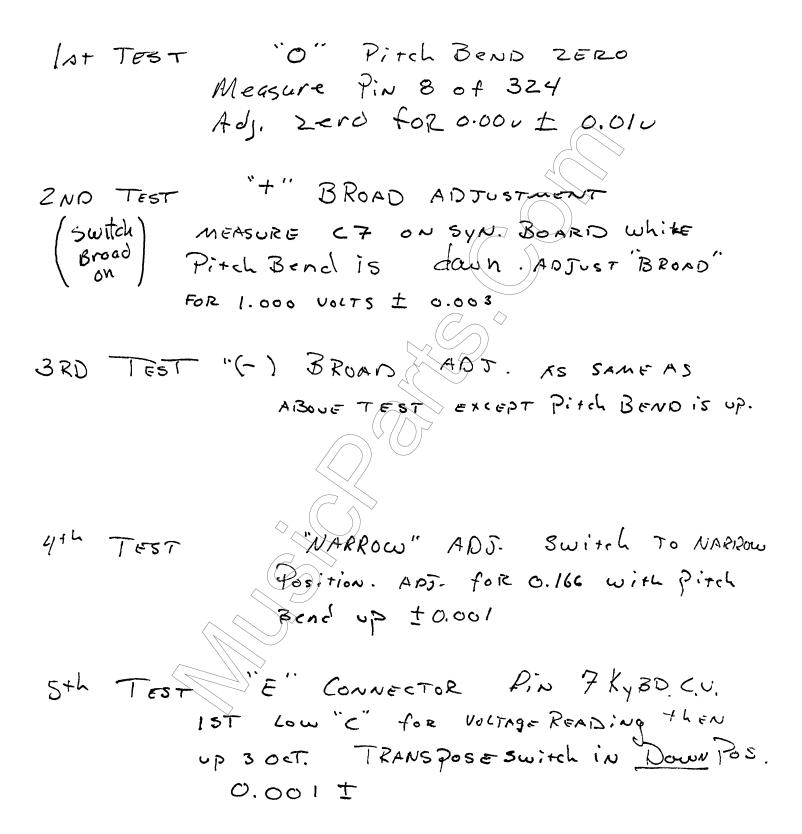
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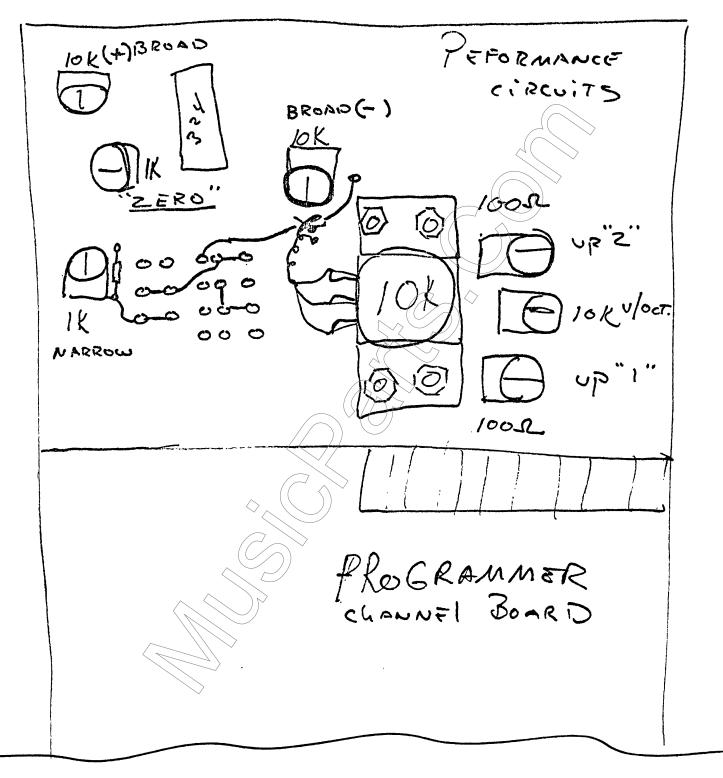




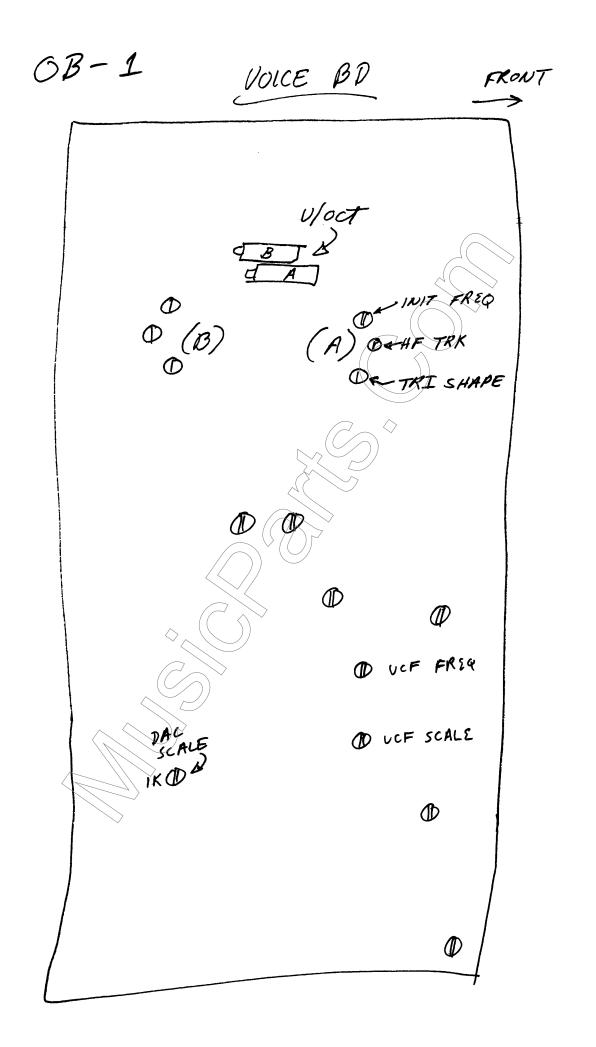
MB-1



()B-/



OB-1FRINT I D {kbd active switching} (is like old Odysrey } Kbd Vloct @ Let ± 15 V power supplies 2 set kbd to Host (3.000 V scross whole kbd.) top of keyboard to god : switch in down 1" 3 switch to "horm": trim for 4.000 switch to "up 1" : trim for 5.000 Ð This is a good time to ture VCO's: "Monnel" progrem, VCO tune catles. full CCW "down 1", bender centered, sel modulations off Tune VCO's to track kbd using INIT & Vloct



OB-1

After kod & VCO's are set up, DAC scale must be set. Using one tuned UCO: pin 10-C; votite ture cut full CW. Trim DAC SCALE for good octave (5 octaves higher). Back off ture to 3 actives up & trim for perfect. Check sel octores: if any are way out, DAC may be bad (if error is flatting high, then probably just VCO'S HF TRK)

AS SHOWN AT PINS 367.0F THE REGULATOR IC [#33 (723)] REAdjust 11.020

TO PREVENT LOW FREQUENCY OSCILLATION OF POWVER SUPPLY, ADD A 4.7K /4W RESISTOR

