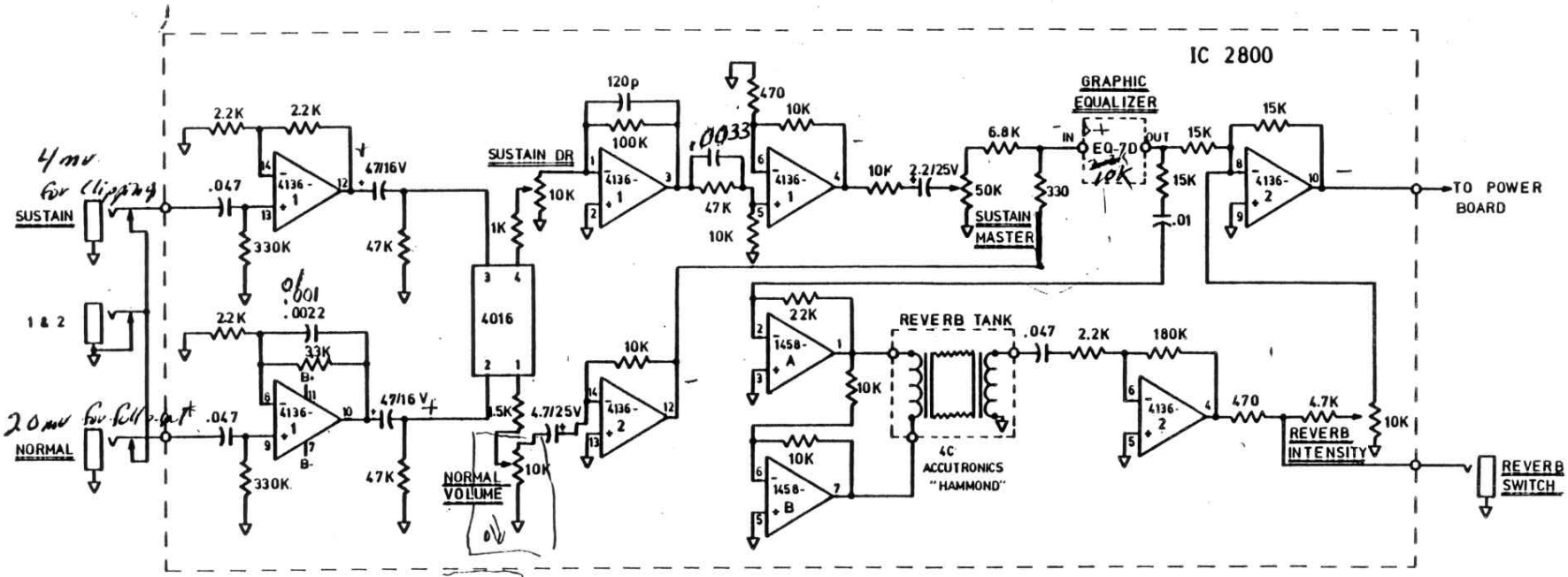
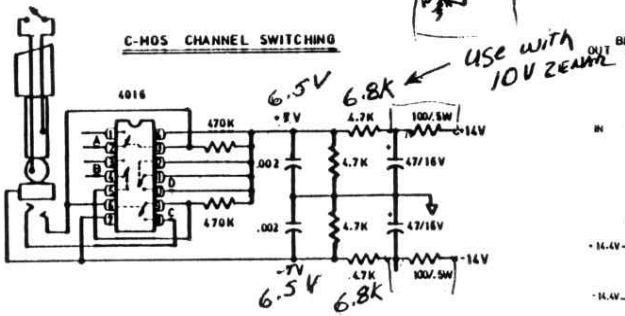
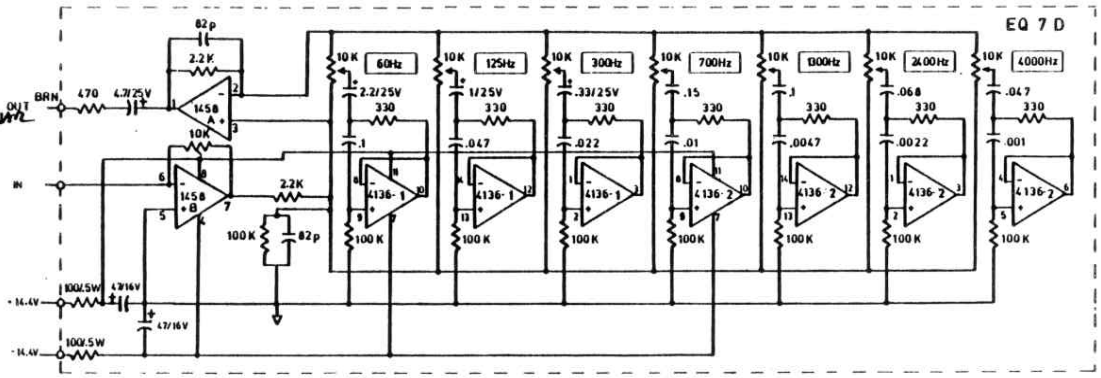
Noise Chart for Tube Keep 8-9 78







C-MOS CHANNEL SWITCHING

Channel Switching uses C-MOS transmission gate CD4016, which contains four electronically controlled switches.

The required ± 7 Volts is derived from voltage dividers across the ± 14 Volt supply. Small capacitors are included to filter RF interference.

When the control terminal of any switch is at +7V, the switch is ON. When the control terminal is at -7V, the switch is OFF.

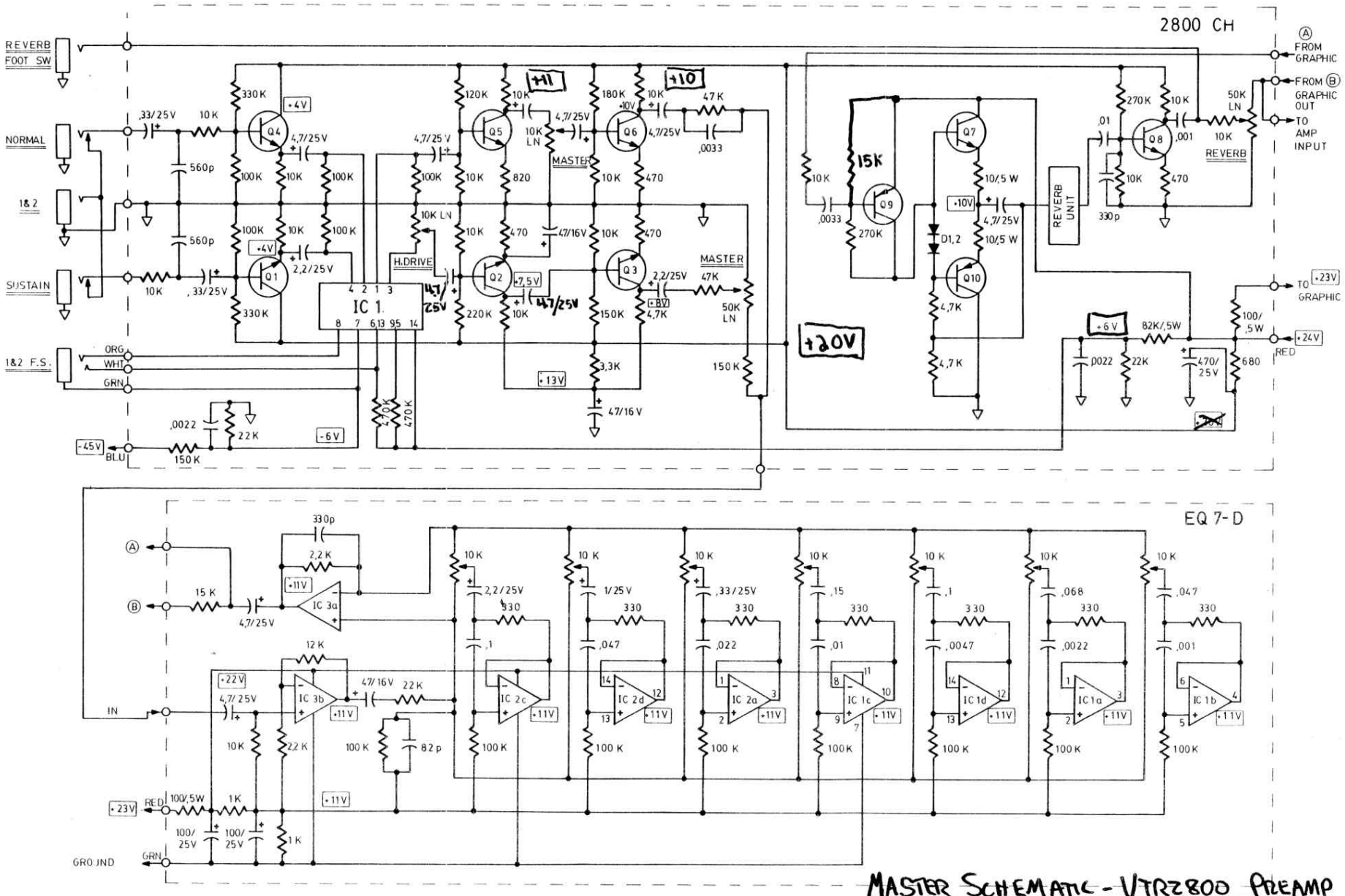
Switch A controls the NORMAL channel and switch B controls the SUSTAIN channel. Switch C is used to switch the DC control voltage of switch B. Switch D is not used, so its terminals (10, 11, and 12) are connected to +7V.

Switches A, B and C are normally biased ON through two 470k Ohm resistors. (both channels are ON). When the monaural footswitch plug is inserted in the stereo jack, switch B (SUSTAIN) turns off, because its control terminal (pin #5) is connected to -7V through switch C and the footswitch plug. (Note that the collar of the stereo jack is not grounded, but connected to -7V). Closing the footswitch will turn OFF switch A and C, which turns off the NORMAL channel and also removes the -7V from switch B, turning the SUSTAIN channel ON.

Noise Spec -53
All Vol. off: -54 dB
Normal Ch up full -73 dB @ w 20 mv. sensitivity
Sustain Ch up full -33 dB @ ok 4 mv. for Clipping

Max Output w HH EQ Down = 7VAC
or 12 watts

REVISIONS	DATE	CARVIN MUSIC CO
3-1-78 WS	12/2177	
5-9-78 WS OK 5-9-78 JR	DRAWN BY W. Flatly	VTR 2800 TUBE AMP PREAMP IC 2800 GRAPHIC EQUALIZER EQ 7-D



Q1 through Q10 and IC1 through IC3 should be listed here

MASTER SCHEMATIC - VTR2800 PREAMP

REVISIONS	DATE	CARVIN MUSIC CO
	9/22/77	
	DRAWN BY	VTR 2800 TUBE AMP
	W. Flaitz	PREAMP 2800 CH GRAPHIC EQUALIZER EQ7-D