

SPECIFICATIONS

GAIN: 40 db, terminated input
45 db, unloaded input

INPUT IMPEDANCE: 30 to 600 ohms
(Input transformer
virtually unloaded)

OUTPUT LOAD IMPEDANCE: 150 or
600 ohms balanced. (Due
to low internal impedance,
output voltage change with
change in load is negli-
gible.)

MAXIMUM OUTPUT POWER: +20 dbm at
less than 0.5% IM. +22 dbm
at less than 1% IM. (Using
40 cycles at 7 kc, 4:1.
THD less than 0.7% from
50 cycles to 15 kc.

MAXIMUM INPUT LEVEL: -20 dbm.

OUTPUT NOISE LEVEL: Equivalent to
input signal of less than
-126 dbm.

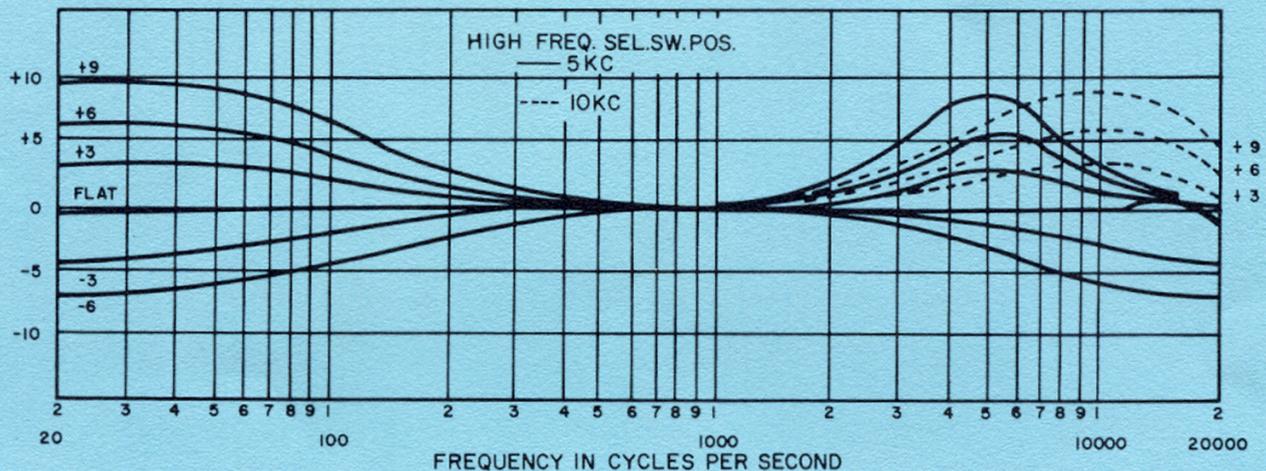
FREQUENCY RESPONSE: ± 1 db, 20 to
30,000 cps.

TUBE COMPLEMENT: One 12AX7 (ECC83)
and one 12AY7. First stage
cascode and second parallel.
Total net feedback is 33 db.

POWER REQUIREMENTS: 325V @ 9 MA,
6.3V @ 600 MA or 12.6 V
@ 300 MA.

DIMENSIONS: 1 1/2 in. wide (incl tray)
3 1/4 in. high
9 in. long

**FREQUENCY RESPONSE CURVES
1008A PREAMPLIFIER WITH 508A EQUALIZER**



PLUG-IN EQUALIZER—MODEL 508A

The 508A plug-in equalizer is a variable, environmental equalizer network which substitutes for one resistor in the 1008A Preamplifier.

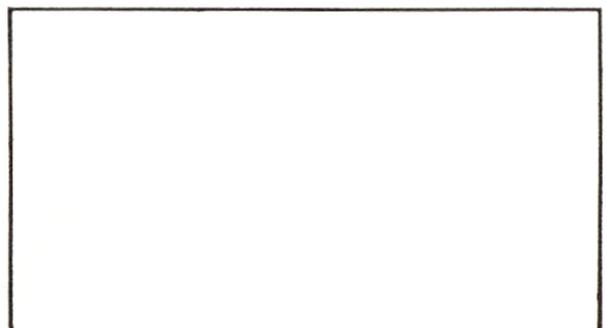
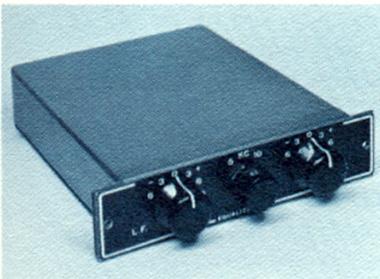
Only 1 pair of two conductor shielded is required for the connection of the equalizer unit and it may be operated as far as 25 feet from the 1008A Preamplifier satisfactorily.

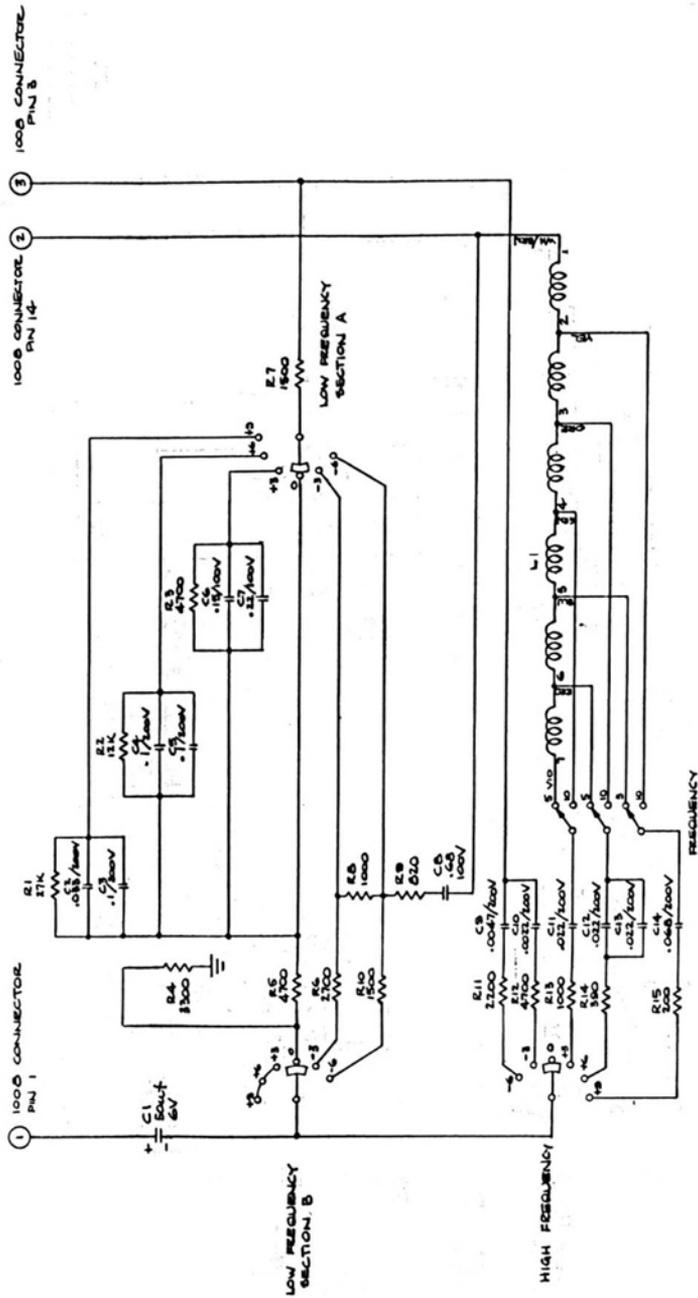
The gain of the 1008A Preamplifier remains constant at 1000 cycles with or without the equalizer connected.

Military type printed circuitry is used for stability and consistent performance.

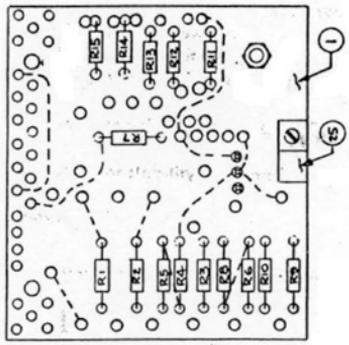
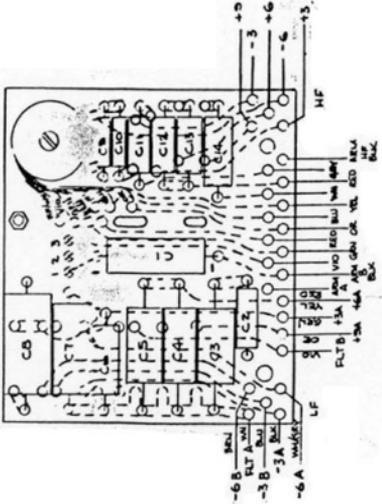
508A H— for horizontal mounting.

508A V— for vertical mounting.





NOTE:
 1. ALL RESISTORS 1/4W, 5%
 2. EQUALIZER DESIGNED TO OPERATE ONLY WITH UNIVERSAL AUDIO MODEL 100B SERIES AMPLIFIER.



26	2	SPACERS - 1/10 X 1/4 LONG . ALUM	
25	1	CABLE CLAMP - 1/16 WALOOD METAL	
24	1	COIL - # 10012	L1
23	1	RESISTOR - 200Ω 1/2W 5%	R15
22	1	- 330Ω	R14
21	1	- 2200Ω	R11
20			
19	1	- 820Ω	R3
18	2	RESISTOR - 1000Ω	R8, R13

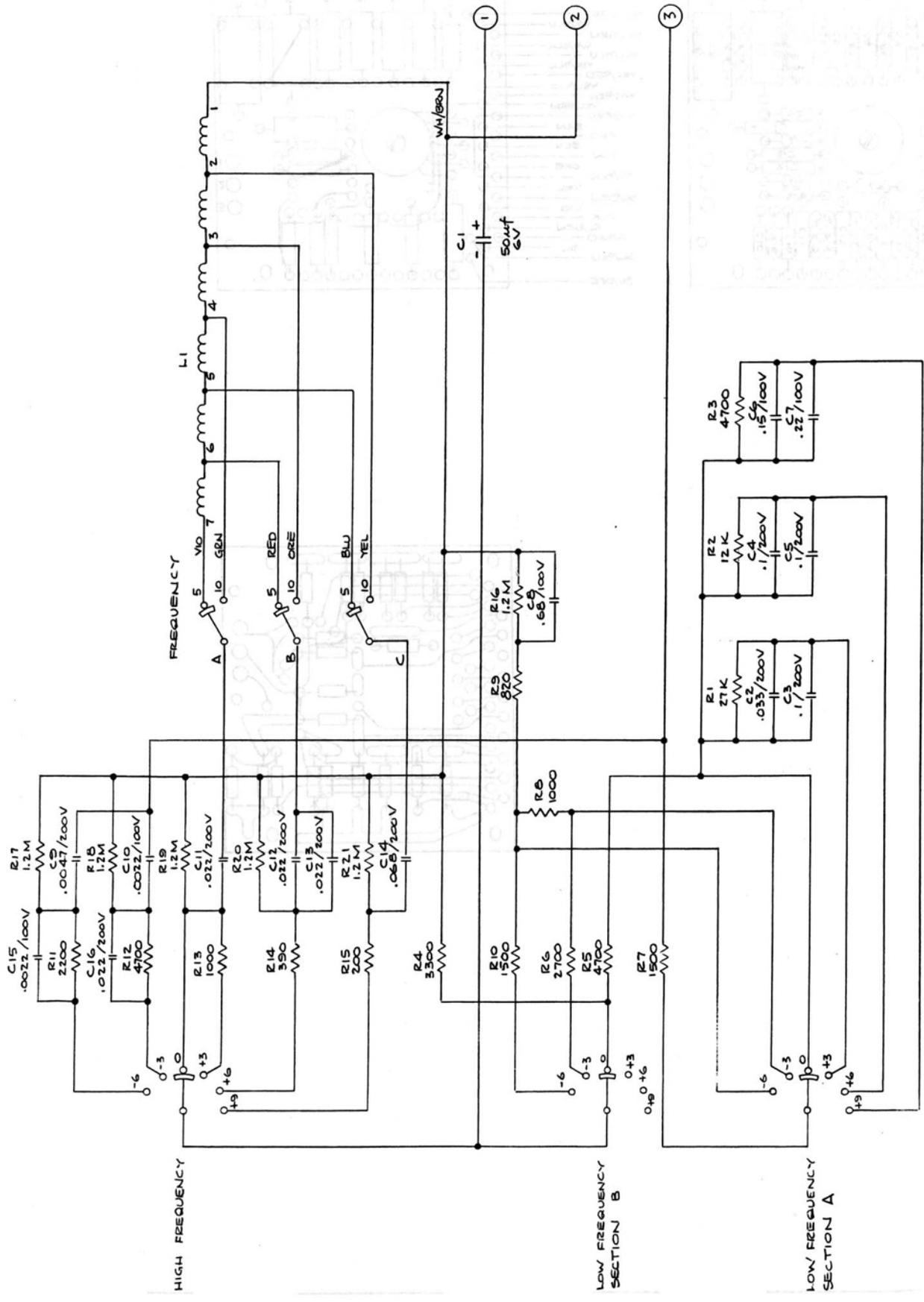
C-10045			
17	2	RESISTOR - 1500Ω	R7, R10
16	1	- 2700Ω	R6
15	1	- 3300Ω	R4
14	3	- 4700Ω	R2, R5, R12
13	1	- 12K	R2
12	1	RESISTOR - 27K 1/2W 5%	R1
11	1	CD CAPACITOR - .068uf 200V	C14
10	3	CD WAFER 22	C11, C12, C13
9	1	WAFER 22	C10
8	1	CD WAFER 22	C9
7	1	WAFER 22	C8
6	1	CD WAFER 22	C7
5	1	CD WAFER 22	C6
4	3	CD WAFER 22	C3, C4, C5
3	1	CD WAFER 22	C2
2	1	CD WAFER 22	C1
1	1	B-10044 CIRCUIT BOARD	

UNIVERSAL AUDIO, INC.
 OF HOLLYWOOD
 6032 SUNSET BLVD.
 HOLLYWOOD 28, CALIF.

CIRCUIT BOARD ASSEMBLY
 EQUALIZER
 MODEL 500-A

DESIGNER: G. E. VITAL
 CHECKED: G. E. VITAL
 APPROVED: _____

C-10045



- NOTE:
1. ALL RESISTORS 1/2W, 5%
 2. EQUALIZER DESIGNED TO OPERATE ONLY WITH UNIVERSAL AUDIO MODEL 1008 & 1108 SERIES AMPLIFIER
 3. REMOVE FEEDBACK RESISTOR IN AMPLIFIER
 4. SEE AMPLIFIER SCHEMATIC FOR CONNECTIONS 1, 2 & 3.

