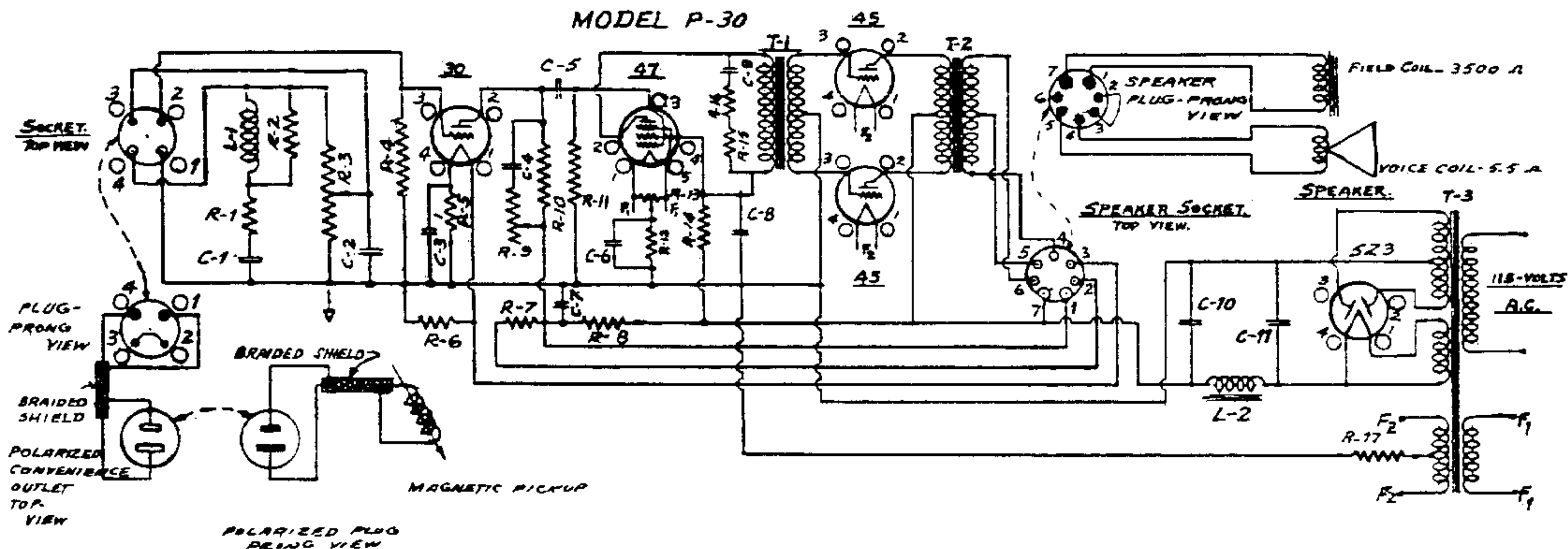
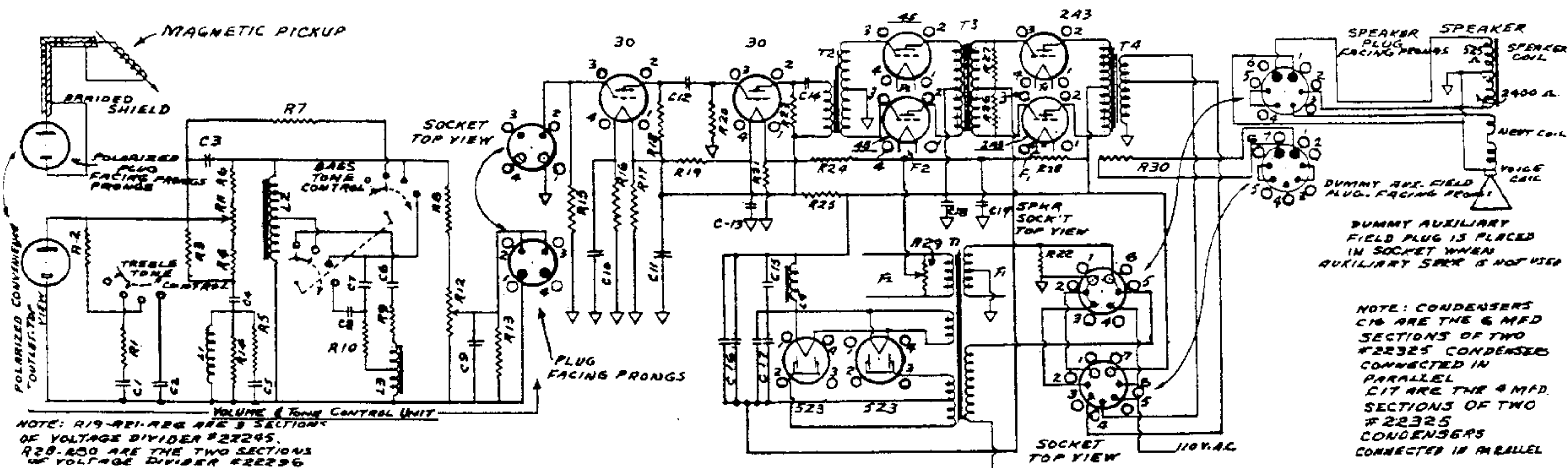


MODEL P-30



MODEL 35



ITEM	PART NO.	VALUE	REMARKS	TRANSFORMER
RESISTORS				
R-1	21200	10,000 OHMS	-10% 1/4 WATT	T-1 20590 AUDIO INPUT
R-2	21200	10,000 "	-10% 1/4 "	T-2 20767 AUDIO OUTPUT
R-3	20764	150,000 "	VOLUME CONTROL	T-3 5041 POWER TRANSFORMER
R-4	20750	500,000 "	-20% 1/4 WATT	T-4
R-5	20159	65 "	- 5% 1/2 "	T-5
R-6		280 "	VOLTAGE DIVIDER	L-1 20765 CHOKES
R-7	20155	1,850 "	" "	L-2 5048 AIR CORE
R-8		7,000 "	" "	L-3 POWER FILTER CHOKE
R-9	20764	150,000 "	TONE CONTROL	
R-10	4409	100,000 "	-20% 1/4 WATT	20757 SPEAKER
R-11	20855	150,000 "	-10% 1/4 "	FIELD - 2,500 OHMS VOICE COIL - 5.5 OHMS
R-12	20158	500 "	-10% 2 "	
R-13	20445	20 "	HUM CONTROL	AVERAGE PLATE VOLTAGE MEASURED FROM
R-14	20779	1,200 "	10% 10 WATT	PLATE TO CHASSIS-
R-15	20264	1,500 "	10% 1/2 "	OUTPUT -45 388-VOLTS D.C.
R-16		4,500 "	VOLTAGE DIVIDER	DRIVER -47 313-VOLTS D.C.
R-17	20145	775 "	" "	DRIVER -30 SCREEN 294-VOLTS D.C.
CONDENSERS				
C-1	20133	.25 MFD	-10%-20% 200 VOLT	AVERAGE PLATE CURRENT:-
C-2	20865	.0015 "	-10%	OUTPUT -45 37.0 - MA D.C.
C-3	20129	10 "	25 VOLT	DRIVER -47 32.0 - MA D.C.
C-4	20789	.02 "	-20%-10% 400 "	
C-5	20131	.05 "	-20%-10% 400 "	AVERAGE BIAS VOLTAGE MEASURED FROM
C-6	20128	25 "	25 "	CENTER TAP OF FILAMENT TO CHASSIS:-
C-7		8 "	450 "	OUTPUT -45 57.5 - VOLTS D.C.
C-8	20778	8 "	450 "	DRIVER -47 19.0 - VOLTS D.C.
C-9	20775	.5 "	-25% 400 "	
C-10	20139	30 "	400 "	AVERAGE FILAMENT VOLTAGE:-
C-11	20513	8 "	475 "	RECTIFIER 5Z3 5.0 - VOLTS A.C.
				OUTPUT -45 2.5 - VOLTS A.C.
				DRIVER -45 2.5 - VOLTS A.C.
				-30 2.0 - VOLTS D.C.

AVERAGE VOLTAGES ACROSS SPEAKER FIELDS AND ELECTROLYTIC CONDENSERS.
 2,500 OHM SPEAKER FIELD VOLTAGE MEASURED FROM #7-CONTACT TO #1-CONTACT
 ON SPEAKER SOCKET 170-VOLTS D.C.
 2,500 OHM AUXILIARY SPEAKER FIELD (PARALLEL WITH 7,000-OHM RESISTOR)
 VOLTAGE MEASURED FROM #3 -CONTACT TO #1-CONTACT ON SPKR. SOCKET. 160-VOLTS.

C-11 ELECTROLYTIC 365-VOLTS D.C.
 C-10 ELECTROLYTIC 340-VOLTS D.C.
 C-7 ELECTROLYTIC 170-VOLTS D.C.

VOLTAGES AND CURRENTS OF MODEL #651 - AMPLIFIER. ALL MEASUREMENTS MADE
 WITH LINE VOLTAGE 115 - VOLTS. ALL VOLTAGES MEASURED WITH 1,000-OHMS
 PER VOLT VOLTMETER.

ITEM	PART NO.	VALUE	REMARKS
RESISTORS			
R-1	22527	2,500 OHM	-10% 1/4 WATT
R-2	20787	5,000 "	-10% 1/4 "
R-3	22526	20,000 "	-10% 1/4 "
R-4	20704	3,500 "	-10% 1/4 "
R-5	20704	3,500 "	-10% 1/4 "
R-6	22526	20,000 "	-10% 1/4 "
R-7	21939	50,000 "	-10% 1/4 "
R-8	20266	75,000 "	-10% 1/4 "
R-9	22529	2,000 "	-10% 1/4 "
R-10	22530	1,000 "	-10% 1/4 "
R-11	22370	50,000 "	DUAL V.C. REAR SECT.
R-12	22370	50,000 "	DUAL V.C. PANEL SECT.
R-13	22578	220,000 "	-10% 1/4 WATT
R-14	21939	50,000 "	-10% 1/4 "
R-15	22329	500,000 "	-10% 1/2 "
R-16	32354	65 "	- 5% 1/2 "
R-17	22323	2,000 "	- 5% 1 "
R-18	20855	150,000 "	-10% 1/2 "
R-19	22295 (see note)	100 "	VOLTAGE DIVIDER
R-20	20855	150,000 "	-10% 1/2 WATT
R-21	22295 (see note)	400 "	VOLTAGE DIVIDER
R-22	22294	530 "	VOLTAGE DIVIDER
R-23	22321	35,000 "	-10% 1/2 WATT
R-24	22295 (see note)	485 "	VOLTAGE DIVIDER
R-25	22322	25,000 "	-10% 1/2 WATT
R-26	22322	25,000 "	-10% 1/2 "
R-27	22322	25,000 "	-10% 1/2 "
R-28	22296 (see note)	"	"
R-29	20445	9,000 OHM	VOLTAGE DIVIDER
R-30	22296 (see note)	20 "	HUM CONTROL
		1,000 "	VOLTAGE DIVIDER

CONDENSERS			
C-1	22532	.004 MFD	-10%
C-2	22534	.015 "	-10% 200 VOLT
C-3	21738	.3 "	-10% 200 "
C-4	22549	.15 "	-10% 200 "
C-5	22521	.003 "	-10%
C-6	22545	.03 "	-10% 200 VOLT
C-7	22535	.75 "	-10% 20% 200 VOLT
C-8	21990	.25 "	-10%
C-9	22533	.0004 "	-10%
C-10	20612	10. "	25 VOLT
C-11	22309	2. "	500 "
C-12	22310	.022 "	-10% 600 "
C-13	20612	10. "	25 "
C-14	22320	.3 "	20%-10% 400 VOLT
C-15	22320	.3 "	20%-10% 400 "
C-16	22325	6 6 "	(see note) 500 "
C-17	22325	4 4 "	" " 600 "
C-18	21720	25 "	450 "
C-19	21546	16 "	150 "

ITEM	PART NO.	VALUE	REMARKS
CHOKES			
L-1	21693	560 M.H.	AIR CORE
L-2	22519	100 HENRIES	TONE CONTROL
L-3	22520	100 "	TONE CONTROL
L-4	22312	8 "	POWER FILTER

TRANSFORMERS			
T-1	22311		POWER
T-2	22315		INPUT
T-3	22314		DRIVER
T-4	22313		OUTPUT

VOLTAGES AND CURRENTS OF MODEL - 680 - AMPLIFIER. ALL VOLTAGES MEASURED WITH 1000 - OHMS PER VOLT VOLTMETER. ALL MEASUREMENTS MADE WITH LINE VOLTAGE 115-VOLTS, 60-CYCLE AT THE AMPLIFIER.

PLATE VOLTAGE MEASURED FROM
PLATE TO FILAMENT-

OUTPUT 2A3	360 VOLTS	D.C.
OUTPUT 2A3	360 VOLTS	D.C.
-45	275 VOLTS	D.C.
-45	275 VOLTS	D.C.
-30	157 VOLTS	D.C.
-30	57 VOLTS	D.C.

PLATE CURRENTS:-

OUTPUT 2A3	37.0 M.A.	D.C.
OUTPUT 2A3	37.0 M.A.	D.C.
-45	32.0 M.A.	D.C.
-45	32.0 M.A.	D.C.
-30	2.5 M.A.	D.C.
-30	1.2 M.A.	D.C.

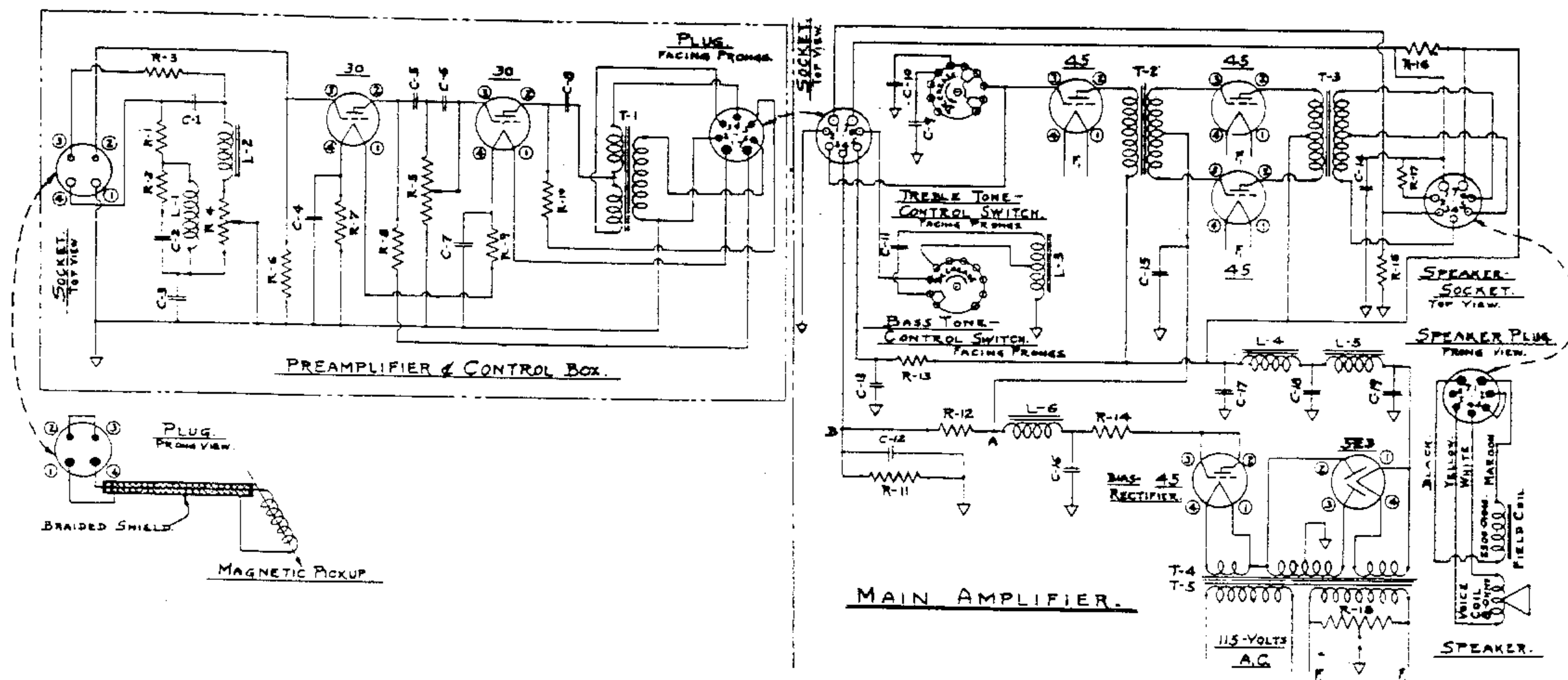
GRID VOLTAGE MEASURED FROM
GRID - TO FILAMENT

OUTPUT 2A3	74 VOLTS	D.C.
2A3	74 VOLTS	D.C.
-45	62 VOLTS	D.C.
-45	62 VOLTS	D.C.

FILAMENT VOLTAGE MEASURED
ACROSS FILAMENT.

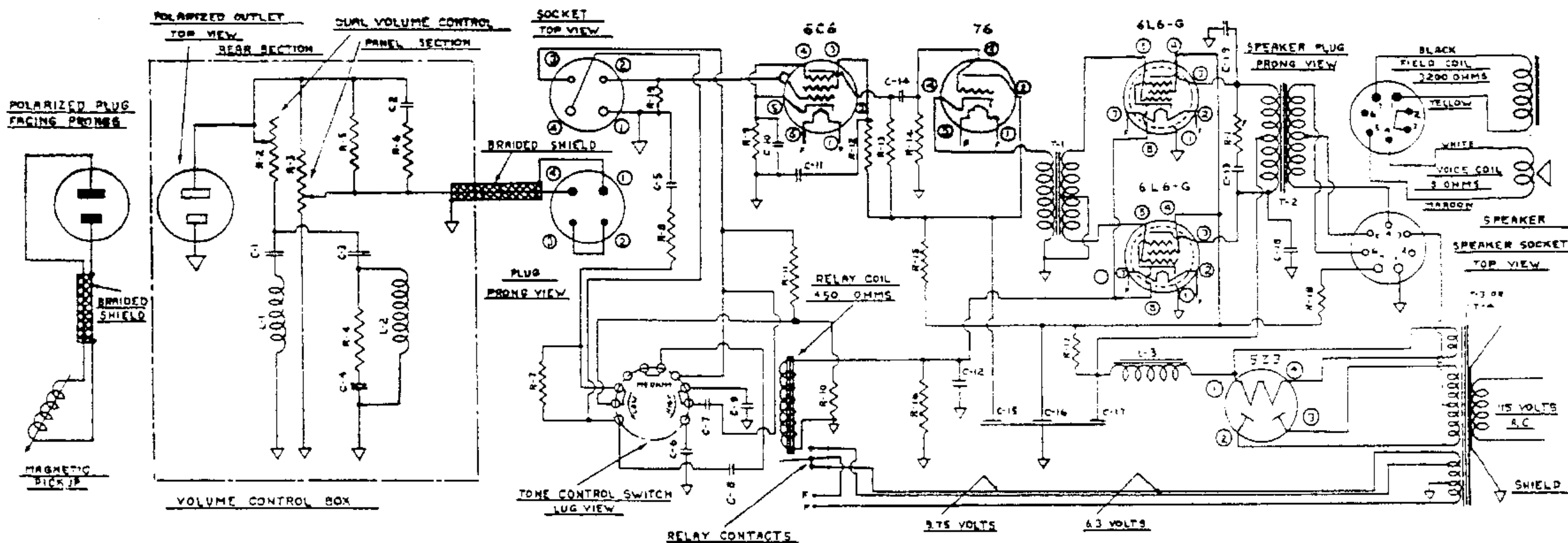
OUTPUT 2A3	2.5 VOLTS	A.C.
OUTPUT 2A3	2.5 VOLTS	A.C.
-45	2.5 VOLTS	A.C.
-45	2.5 VOLTS	A.C.
-30	2.0 VOLTS	A.C.
-30	2.0 VOLTS	A.C.

525-OHM SPEAKER FIELD VOLTAGE MEASURED FROM #1-CONTACT TO #6-CONTACT ON SPEAKER SOCKET. - 72.5 VOLTS D.C.
2400-OHM SPEAKER FIELD VOLTAGE MEASURED FROM #1-CONTACT TO #2-CONTACT ON SPEAKER SOCKET - 260 VOLTS D.C.



MAGNETIC PICKUP - PART NO 20141. PREAMPLIFIER - PART NO 20700. AMPLIFIER - 570 { 25-CYCLE-PART #21060. 60-CYCLE-PART #20659. SPEAKER - PART NO 20087.

RESISTORS.				CONDENSERS.				TRANSFORMERS.				VOLTAGES AND CURRENTS.	
ITEM	PART NO	VALUE	REMARKS	ITEM	PART NO	VALUE	REMARKS	ITEM	PART NO	VALUE	REMARKS.	ALL VOLTAGES MEASURED WITH 1000-OHMS PER VOLT VOLTMETER. - 115-VOLT LINE.	
R-1	20704	3,500 - OHMS	±10% 1/4-WATT.	C-1	20706	.08 - MFD	±10% - 200-VOLT	T-1	21048		AUDIO INPUT	AVERAGE PLATE VOLTAGE MEASURED FROM PLATE + TO CHASSIS -	
R-2	20704	3,500 - OHMS	±10% 1/4-WATT.	C-2	20257	.004 - MFD	±10% - 20% MICA	T-2	20590		DRIVER INPUT	OUTPUT - 45 275-VOLTS D.C.	
R-3	20728	250,000 - OHMS	±20% 1/4-WATT.	C-3	20135	.25 - MFD	±10% - 20% 200-V.	T-3	20603		AUDIO OUTPUT.	OUTPUT - 45 275-VOLTS D.C.	
R-4	20123	50,000 - OHMS	REAR UNIT VOL. CONTROL	C-4	20612	10.0 - MFD	25-WORKING VOLTS	T-4	20583	60 - CYCLE POWER		DRIVER - 45 255-VOLTS D.C.	
R-5		150,000 - OHMS	PARALLEL UNIT VOL. CONTROL	C-5	20707	.25 - MFD	±15% - 400-W.V.	T-5	21046	25 - CYCLE POWER		- 30 128-VOLTS D.C.	
R-6	20703	300,000 - OHMS	±10% 1/4-WATT.	C-6	20705	.00025 - MFD	±15% - MICA.	CHOKES				- 30 60-VOLTS D.C.	
R-7	20139	65 - OHMS	±5% 1/2-WATT.	C-7	20612	10.0 - MFD	25-WORKING VOLTS.	L-1	20602	540-MILLIHENRIES	CHOKES COIL	AVERAGE BIAS VOLTAGE MEASURED FROM POINTS INDICATED TO CHASSIS.	
R-8	20266	75,000 - OHMS	±10% 1/4-WATT.	C-8	20707	.25 - MFD	±15% - 400-W.V.	L-2	20610	400-HENRIES	LOADING REACTOR	OUTPUT - 45 POINT 'A' 37-VOLTS.	
R-9	20708	50 - OHMS	±5% 1/2-WATT.	C-9	20864	.003 - MFD	±10% - MICA.	L-3	20583	105-HENRIES	50-POWER FILTER	DRIVER - 45 POINT 'B' 31-VOLTS.	
R-10	20296	50,000 - OHMS	±20% 1/4-WATT.	C-10	20865	.0015 - MFD	±10% - MICA.	L-4	20596	13-HENRIES	50-POWER FILTER	RECTIFIER - 45 PLATE 185-VOLTS.	
R-11	20608	3,200 - OHMS	BIAS VOLTAGE DIVIDER	C-11	20711	.10 - MFD	±15% - 400-W.V.	L-5	20595	60-HENRIES	50-POWER FILTER		
R-12	20806	330 - OHMS		C-12	20665	.25 - MFD	±10% - 200-W.V.	L-6	20591	78.0-HENRIES	BIAS FILTER		
R-13	20669	20,000 - OHMS	±10% 1/2-WATT.	C-13	20130	8.0 - MFD	200-W.V.	AVERAGE VOLTAGES ACROSS SPEAKER SOCKET AND ELECTROLYTICS.					
R-14		6,400 - OHMS	VOLTAGE DIVIDER.	C-14			8.0 - MFD	200-W.V.	2500-OHM SPEAKER FIELD FROM #1-CONTACT TO #2-CONTACT ON SPEAKER SOCKET - 175 VOLTS D.C.				
R-15	20609	375 - OHMS	VOLTAGE DIVIDER.	C-15	20617	16.0 - MFD	160-W.V.	1000-OHM SPEAKER FIELD FROM #1-CONTACT TO #3-CONTACT ON SPEAKER SOCKET - 92 VOLTS D.C.					
R-16		7,000 - OHMS	VOLTAGE DIVIDER.	C-16	20817	16.0 - MFD	160-W.V.	C-19 - ELECTROLYTIC - 320-VOLTS D.C.					
R-17		1,000 - OHMS	VOLTAGE DIVIDER.	C-17	20139	30.0 - MFD	400-W.V.	C-18 - ELECTROLYTIC - 305-VOLTS D.C.					
R-18	20445	20 - OHMS	HUM CONTROL.	C-18	20139	30.0 - MFD	400-W.V.	C-17 - ELECTROLYTIC - 280-VOLTS D.C.					
				C-19	20513	8.0 - MFD	475-W.V.	OUTPUT - 45 28 - M.A.					
								DRIVER - 45 32 - M.A.					
								- 30 2.1 - M.A.					
								- 30 5 - M.A.					



ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
RESISTORS				CONDENSERS				CHOKES				TRANSFORMERS			
R-1	28149	18000 OHMS	± 10% 1 WATT	C-1	25427	.002 MFD.	± 5% MICA	L-1	25598	290-MILLIHENRIES	CHOKER COIL	T-1	28134		AUDIO INPUT
R-2	26378	7500 OHMS ± 15%	DUAL VOLUME CONTROL	C-2	22531	.003 MFD.	± 10% MICA	L-2	28526	400-MILLIHENRIES	CHOKER COIL	T-2	28135		AUDIO OUTPUT
R-3		150,000 OHMS	± 15%	C-3	28123	.3 MFD.	± 10% 120 VOLTS	L-3	28137	4.1 HENRIES ± 15%	FILTER CHOKER	T-3	28134		60 CYCLE POWER
R-4	22783	7000 OHMS	± 10% 1/4 WATT	C-4	25427	.002 MFD.	± 5% MICA					T-4	28470		25 CYCLE POWER
R-5	23084	25000 OHMS	± 10% 1/4 WATT	C-5	22531	.003 MFD.	± 10% MICA								
R-6	21998	35000 OHMS	± 10% 1/4 WATT	C-6	23052	.005 MFD.	± 10% 200 VOLTS								
R-7	28151	10,000 OHMS	± 5% 1/4 WATT	C-7	23052	.005 MFD.	± 10% 200 VOLTS								
R-8	28152	75000 OHMS	± 5% 1/4 WATT	C-8	28145	.006 MFD.	± 10% 600 VOLTS								
R-9	28150	600 OHMS	± 5% 1/4 WATT	C-9	28143	.01 MFD.	± 10% 200 VOLTS								
R-10	25575	200000 OHMS	± 10% 1/4 WATT	C-10	28141	.25 MFD.	± 10% 25 VOLTS								
R-11	28153	15000 OHMS	± 5% 1/4 WATT	C-11	28211	.25 MFD.	± 10% 400 VOLTS								
R-12	25575	200000 OHMS	± 10% 1/4 WATT	C-12	28139	.16 MFD.	± 10% 50 VOLTS								
R-13	23208	60000 OHMS	± 10% 1/2 WATT	C-13	28145	.006 MFD.	± 10% 600 VOLTS								
R-14	25432	300000 OHMS	± 10% 1/4 WATT	C-14	28142	.03 MFD.	± 10% 400 VOLTS								
R-15	28147	10,000 OHMS	± 10% 1 WATT	C-15	28138	.4 MFD.	± 10% 350 VOLTS								

VOLTAGES AND CURRENTS OF MODEL #851 AMPLIFIER. ALL MEASUREMENTS MADE WITH LINE VOLTAGE 115 VOLTS.

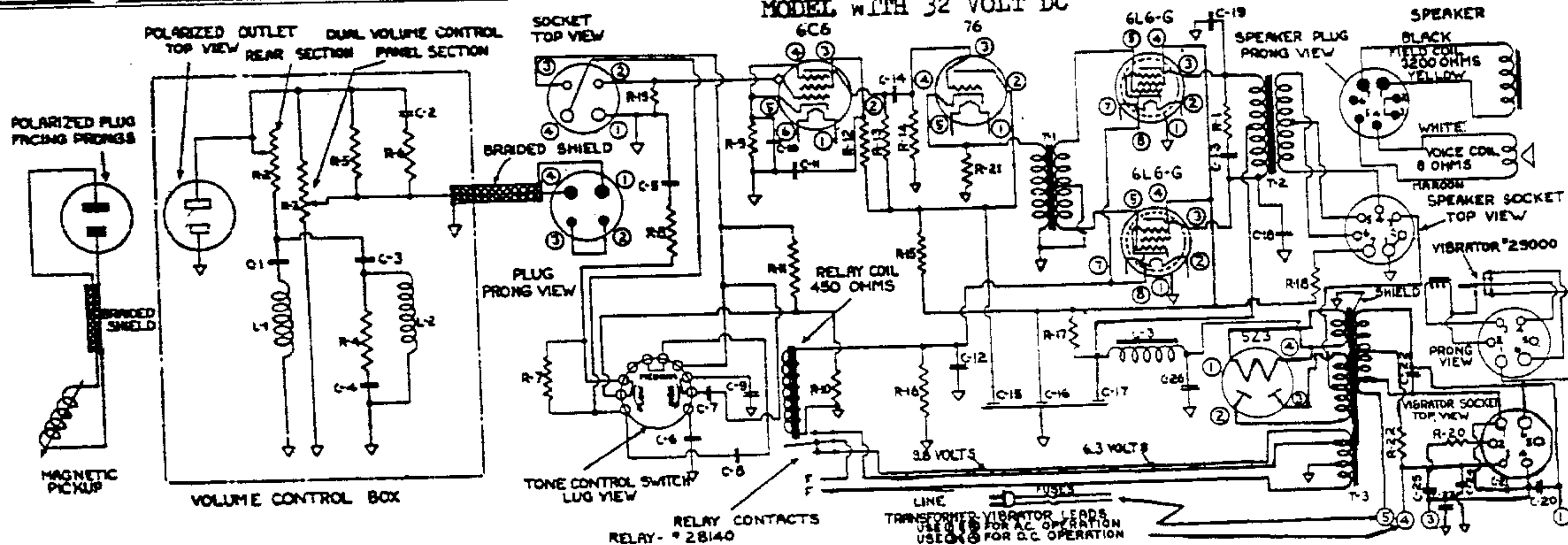
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER.

AVERAGE PLATE VOLTAGE MEASURED FROM PLATE TO CHASSIS		AVERAGE PLATE CURRENT		AVERAGE D.C. VOLTAGES		AVERAGE HEATER VOLTAGE	
6L6-G PLATE TO CHASSIS	400 VOLTS	6L6-G PLATE CURRENT	51 MA. D.C.	ACROSS 523 FILAMENT & GROUND	420 VOLTS D.C.	6L6-G FIL. VOLTAGE	6.3 VOLTS A.C.
76 PLATE TO CHASSIS	220 VOLTS	76 PLATE CURRENT	6.5 MA. D.C.	ACROSS C-17	405 VOLTS D.C.	76 FIL. VOLTAGE	6.3 VOLTS A.C.
6C6 PLATE TO CHASSIS	66 VOLTS	6C6 PLATE CURRENT	2.5 MA. D.C.	ACROSS C-16	325 VOLTS D.C.	6C6 FIL. VOLTAGE	6.3 VOLTS A.C.
				ACROSS C-12	24 VOLTS D.C.	THESE FILAMENT VOLTAGES ARE 9.8 VOLTS FOR ACCELERATED CATHODE HEATING WHEN FILAMENTS ARE COOL	
				ACROSS C-10	1.7 VOLTS D.C.		

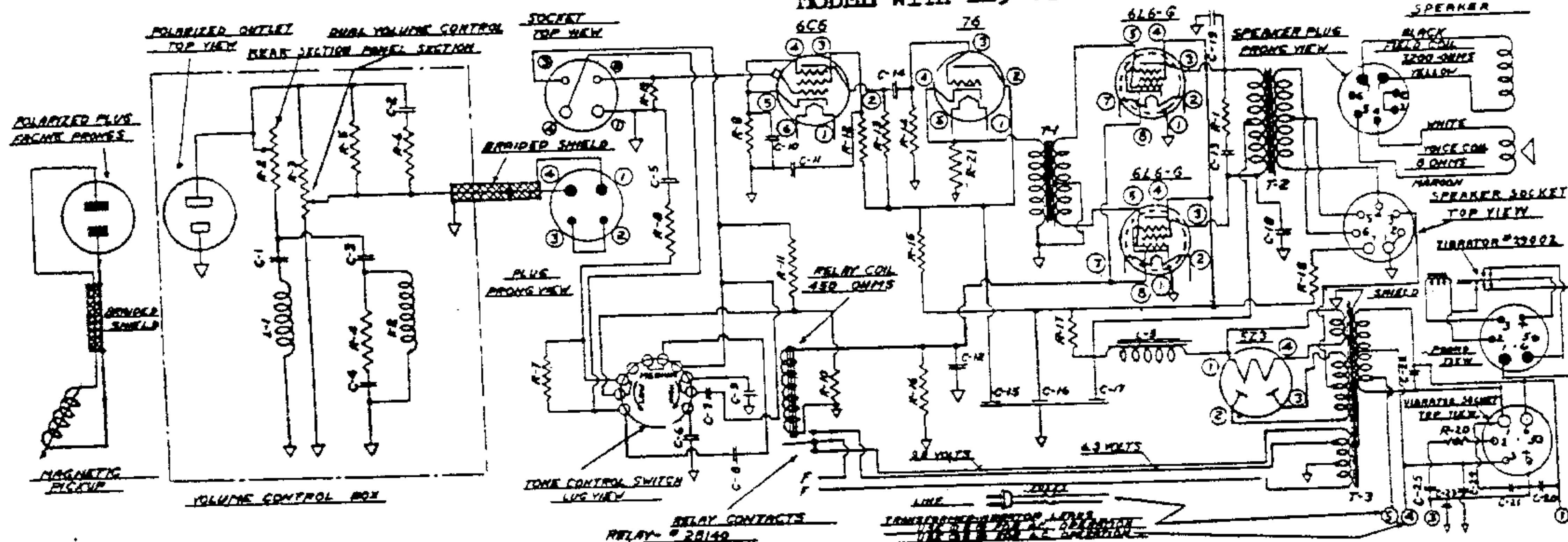
SPEAKER FIELD - 3200 OHMS. BETWEEN TERMINALS 1+7 ON SPEAKER SOCKET - 220 VOLTS D.C.

MODELS 24, 24A,
115 VOLT AC, 32VOLT DC
MODELS 24, 24A,
5 VOLT AC-DC

MODEL WITH 32 VOLT DC



MODEL WITH 115 VOLT DC



ITEM	PART NO.	VALUE	REMARKS
RESISTORS			
R-1	28148	18,000 OHMS	-10% 1 WATT
R-2	26378	7,500	-15% DUAL VOLUME CONTROL
R-3	22783	150,000	-15%
R-4	22783	7,000	-10% 1/4 WATT
R-5	23084	25,000	-10% 1/4
R-6	21998	35,000	-10% 1/4
R-7	28151	10,000	-5% 1/4
R-8	28152	75,000	-5% 1/4
R-9	28150	600	-5% 1/4
R-10	25575	200,000	-10% 1/4
R-11	28153	15,000	-5% 1/4
R-12	25575	200,000	-10% 1/4
R-13	23208	60,000	-10% 1/2
R-14	25432	500,000	-10% 1/4
R-15	28147	10,000	-10% 1
R-16	28146	390	-5% 3
R-17	28133	950	-5% 20
R-18	BLEEDER	1,500	-5% 25
R-19	21841	2,000,000	-10% 1/4
R-20	22530	1,000	-10% 1/4
R-21	28153	15,000	-5% 1/4
R-22	30856	1	-5% 36

AVERAGE PLATE CURRENT

6L6-6	PLATE CURRENT	51 M.A.	D.C.
76	PLATE CURRENT	6.5 M.A.	D.C.
6C6	PLATE CURRENT	2.5 M.A.	D.C.

AVERAGE D.C. VOLTAGES

ACROSS	5Z3	FILAMENT & GROUND	420 VOLTS D.C.
ACROSS	C-17		405 VOLTS D.C.
ACROSS	C-16		325 VOLTS D.C.
ACROSS	C-12		24 VOLTS D.C.
ACROSS	C-10		1.7 VOLTS D.C.

AVERAGE FILAMENT VOLTAGES

6L6-6	FILAMENT VOLTAGE	6.3 VOLTS A.C.
76	FILAMENT VOLTAGE	6.3 VOLTS A.C.
6C6	FILAMENT VOLTAGE	6.3 VOLTS A.C.

THESE FILAMENT VOLTAGES ARE 9.8 VOLTS FOR ACCELERATED CATHODE HEATING WHEN FILAMENTS ARE COOL.

SPEAKER FIELD - 3200 OHMS BETWEEN TERMINALS #1 & #7 ON SPEAKER SOCKET - 220 VOLTS D.C.

CONDENSERS			
C-1	25427	.002 MFD	-5% MICA
C-2	22531	.003	-10% "
C-3	28123	.3	-10% 120 VOLTS
C-4	25427	.002	-5% MICA
C-5	22531	.003	-10% "
C-6	23052	.005	-10% 200 VOLTS
C-7	23052	.005	-10% "
C-8	28145	.006	-10% 600
C-9	28143	.01	-10% 200
C-10	28141	25.	-10% 25
C-11	28211	.25	-10% 400
C-12	28139	16.	-10% 50
C-13	28145	.006	-10% 600
C-14	28142	.03	-10% 400
C-15		4	-10% 350
C-16	28138	20	-10% 450
C-17		8	-10% 500
C-18	28924	.00035	-10% 600
C-19	28924	.00035	-10% 600
C-20	24364	.5	-10% 200
C-21	24364	.5	-10% 200
C-22	29143	20	-10% 100 VOLTS AC
C-23	29017	.01	-10% 200 VOLTS
C-24	29016	.25	-10% 200
C-25	24329	.1	-10% 200
C-26	30858	4.	-10% 200
C-27			20%-10% 600 VOLTS

CHOKES

L-1	25598	290 M.H.	CHOKES
L-2	28526	400 " "	CHOKES
L-3	28137	4.1 HENRIES	CHOKES

CHOKES

CHOKES

TRANSFORMERS

T-1	28136		AUDIO INPUT
T-2	28135		AUDIO OUTPUT
T-3	29140	60 CYCLE	POWER

VOLTAGES AND CURRENTS OF MODEL #853 AMPLIFIER.

ALL MEASUREMENTS MADE WITH
LINE VOLTAGE 32 VOLTS D.C. OR 115 VOLTS 60 CYCLE A.C.
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER.

AVERAGE PLATE VOLTAGE MEASURED FROM PLATE TO CHASSIS

6L6-6	PLATE TO CHASSIS	400 VOLTS D.C.
76	PLATE TO CHASSIS	220 VOLTS D.C.
6C6	PLATE TO CHASSIS	65 VOLTS D.C.

MODELS 24, 24A,
115 VOLT AC-DC

THE RUDOLPH WURLITZER CO.

ITEM	PART NO.	VALUE	REMARK
RESISTORS			
R-1	28145	18,000 OHMS	-10% 1 WATT
R-2	26378	7,500 " -15%	DUAL VOLUME CONTROL
R-3	22783	150,000 " -10%	1/4 WATT
R-4	23084	7,000 " -10%	1/4 " "
R-5	21998	25,000 " -10%	1/4 " "
R-6	28151	35,000 " -10%	1/4 " "
R-7	28152	10,000 " -5%	1/4 " "
R-8	28150	75,000 " -5%	1/4 " "
R-9	25575	600 " -5%	1/4 " "
R-10	28153	200,000 " -10%	1/4 " "
R-11	25575	15,000 " -5%	1/4 " "
R-12	23208	200,000 " -10%	1/4 " "
R-13	25432	60,000 " -10%	1/4 " "
R-14	28147	500,000 " -10%	1/4 " "
R-15	28146	10,000 " -10%	1 " "
R-16	28133	390 " -5%	3 " "
R-17	21841	950 " BLEEDER	20 " "
R-18	22530	1,500 " "	25 " "
R-19	28153	2,000,000 " -10%	1/4 " "
R-20		1,000 " -10%	1/4 " "
R-21		15,000 " -5%	1/4 " "

CONDENSERS			
C-1	25427	.002 MFD	-5% MICA
C-2	22531	.003 " -10%	" "
C-3	28124	.3 " -10%	120 VOLTS
C-4	25427	.002 " -5%	MICA
C-5	22531	.003 " -10%	" "
C-6	23052	.005 " -10%	200 VOLTS
C-7	23052	.005 " -10%	" "
C-8	28145	.006 " -10%	600 " "
C-9	28143	.01 " -10%	200 " "
C-10	28141	25. " -10%	25 " "
C-11	28211	.25 " -10%	400 " "
C-12	28139	16. " -10%	50 " "
C-13	28145	.006 " -10%	600 " "
C-14	28148	.03 " -10%	400 " "
C-15		4. " "	350 " "
C-16	28138	20. " "	450 " "
C-17		8. " "	500 " "
C-18	28924	.00035 MFD -10%	600 " "
C-19	28924	.00035 " -10%	" "
C-20	24364	.5 " -10%	200 " "
C-21	24364	.5 " -10%	" "
C-22	29007	2. " -10%	220 " "
C-23	29017	.01 " -10%	200 " "
C-24	29016	.25 " -10%	" "
C-25	24329	.1 " -10%	" "

CHOKES			
L-1	25598	290 M.H.	CHOKE COIL
L-2	28526	400 " "	" "
L-3	28137	41 HENRIES	FILTER CHOKE
TRANSFORMERS			
T-1	28136		AUDIO INPUT
T-2	28135		AUDIO OUTPUT
T-3	29006	60 CYCLE	POWER

VOLTAGES AND CURRENTS OF MODEL 852 AMPLIFIER. ALL MEASUREMENTS MADE WITH LINE VOLTAGE 115 VOLTS D.C. OR 40 CYCLE A.C. ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER

AVERAGE PLATE VOLTAGE MEASURED FROM PLATE TO CHASSIS			
6L6-G	PLATE TO CHASSIS	400 VOLTS	D.C.
76	" " "	220 " "	" "
6C6	" " "	65 " "	" "

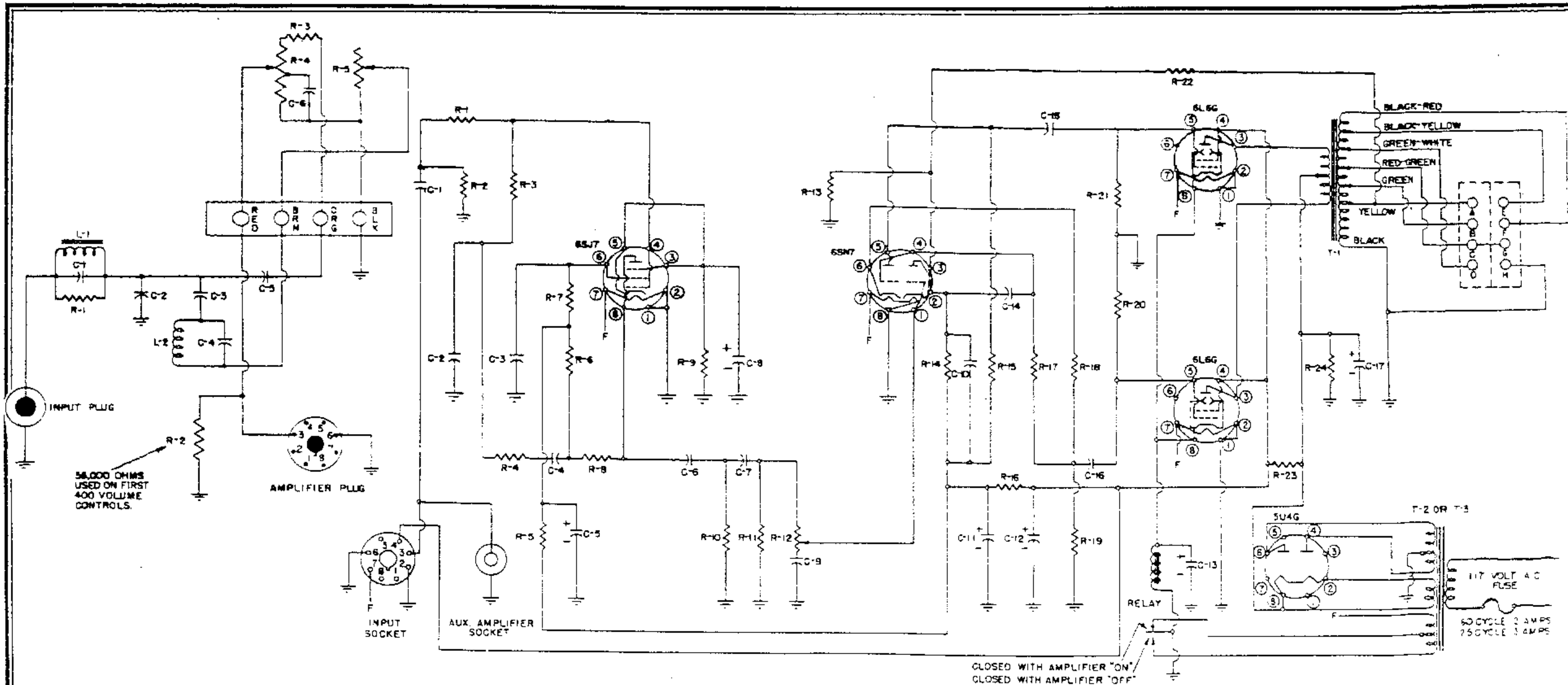
AVERAGE PLATE CURRENT			
6L6-G	PLATE CURRENT	51 M.A.	D.C.
76	" " "	6.5 " "	" "
6C6	" " "	2.5 " "	" "

AVERAGE D.C. VOLTAGES			
ACROSS	5Z3 - FILAMENT & GROUND	420 VOLTS	D.C.
ACROSS	C-17	405 " "	" "
ACROSS	C-16	325 " "	" "
ACROSS	C-12	24 " "	" "
ACROSS	C-10	1.7 " "	" "

AVERAGE FILAMENT VOLTAGES			
6L6-G	FILAMENT VOLTAGE	6.3 VOLTS	A.C.
76	" " "	6.3 " "	" "
6C6	" " "	6.3 " "	" "

THESE FILAMENT VOLTAGES ARE 28 VOLTS FOR ACCELERATED CATHODE HEATING, WHEN FILAMENTS ARE COOL.

A.C. SPEAKER FIELD - 3200 OHMS BETWEEN TERMINALS 1 & 7 ON SPEAKER SOCKET - 220 VOLTS D.C.



MODEL 227-228 AUXILIARY AMPLIFIERS

MODEL 29 VOLUME CONTROL

ITEM	PART NO.	VALUE	REMARKS
RESISTORS			
R-1	72072-12	10,000 OHMS	±10% 1/3 WATT
R-2	72082-12	27,000 OHMS	±10% 1/3 WATT
R-3	72080-12	22,000 OHMS	±10% 1/3 WATT
R-4	50386	50,000 OHMS	VOLUME CONTROL
R-5	50386	23,000 OHMS	VOLUME CONTROL
CAPACITORS			
C-1	73009-26	.004 MFD	±10% 600 W.V.
C-2	73010-26	.005 MFD	±10% 600 W.V.
C-3	73099-220	.5 MFD	±10% 200 W.V.
C-4	73014-22	.01 MFD	±10% 200 W.V.
C-5	73033-22	.1 MFD	±10% 200 W.V.
C-6	73014-22	.01 MFD	±10% 200 W.V.
CHOXES			
L-1	50395	7.0 HENRIES	
L-2	50538	.15 HENRIES	

ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
RESISTORS				RESISTORS				CAPACITORS			
R-1	72240-31	100,000 OHMS	±5% 1/2 WATT	R-17	72114-12	560,000 OHMS	±10% 1/3 WATT	C-9	73003-26	.00075 MFD	±10% 600 W.V.
R-2	72114-12	560,000 OHMS	±10% 1/3 WATT	R-18	72050-12	200 OHMS	±10% 1/3 WATT	C-10	73002-46	.0005 MFD	±20% 600 W.V.
R-3	72280-31	680,000 OHMS	±5% 1/2 WATT	R-19	72080-12	22,000 OHMS	±10% 1/3 WATT	C-11		.20 MFD	±100%-10% 400 W.V.
R-4	72260-31	680,000 OHMS	±5% 1/2 WATT	R-20	72096-12	100,000 OHMS	±10% 1/3 WATT	C-12	49910	.40 MFD	±100%-10% 25 W.V.
R-5	72072-12	10,000 OHMS	±10% 1/3 WATT	R-21	72096-12	100,000 OHMS	±10% 1/3 WATT	C-13		.20 MFD	±100%-10% 25 W.V.
R-6	72240-31	100,000 OHMS	±5% 1/2 WATT	R-22	72240-31	100,000 OHMS	±5% 1/2 WATT	C-14	73014-64	.01 MFD	±30%-10% 400 W.V.
R-7	72120-12	100,000 OHMS	±10% 1/3 WATT	R-23	72312-12	100 OHMS	±10% 1 WATT	C-15	73033-640	.1 MFD	±30%-10% 400 W.V.
R-8	72244-31	150,000 OHMS	±5% 1/2 WATT	R-24	72907-2	15,000 OHMS	±10% 20 WATT	C-16	73033-640	.1 MFD	±30%-10% 400 W.V.
R-9	72048-12	1,000 OHMS	±10% 1/3 WATT	CAPACITORS				C-17	40150	.50 MFD	±50%-10% 400 W.V.
R-10	72108-12	270,000 OHMS	±10% 1/3 WATT	C-1	73033-62		MFD	TRANSFORMERS			
R-11	72114-12	560,000 OHMS	±10% 1/3 WATT	C-2	73004-26		MFD	T-1	47007		OUTPUT
R-12	40227	250,000 OHMS	±10% 1/3 WATT	C-3	73099-640	5	MFD	T-2	47023	50-60	CYCLE POWER
R-13	72204-31	3,300 OHMS	±5% 1/2 WATT	C-4	73014-64	.01	MFD	T-3	51219	25	CYCLE POWER
R-14	72100-12	150,000 OHMS	±10% 1/3 WATT	C-5	73289-480	8	MFD		51928	130	OHMS S.P.D.
R-15	72080-12	22,000 OHMS	±10% 1/3 WATT	C-6	73020-64	.05	MFD	RELAY	40144	130	OHMS S.P.D. OPTIONAL
R-16	72066-12	5,600 OHMS	±10% 1/3 WATT	C-7	73014-64	.01	MFD				
				C-8	73293-210	.20	MFD				

VOLTAGES & CURRENTS OF MODELS 227 & 228 AMPLIFIERS. ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER.

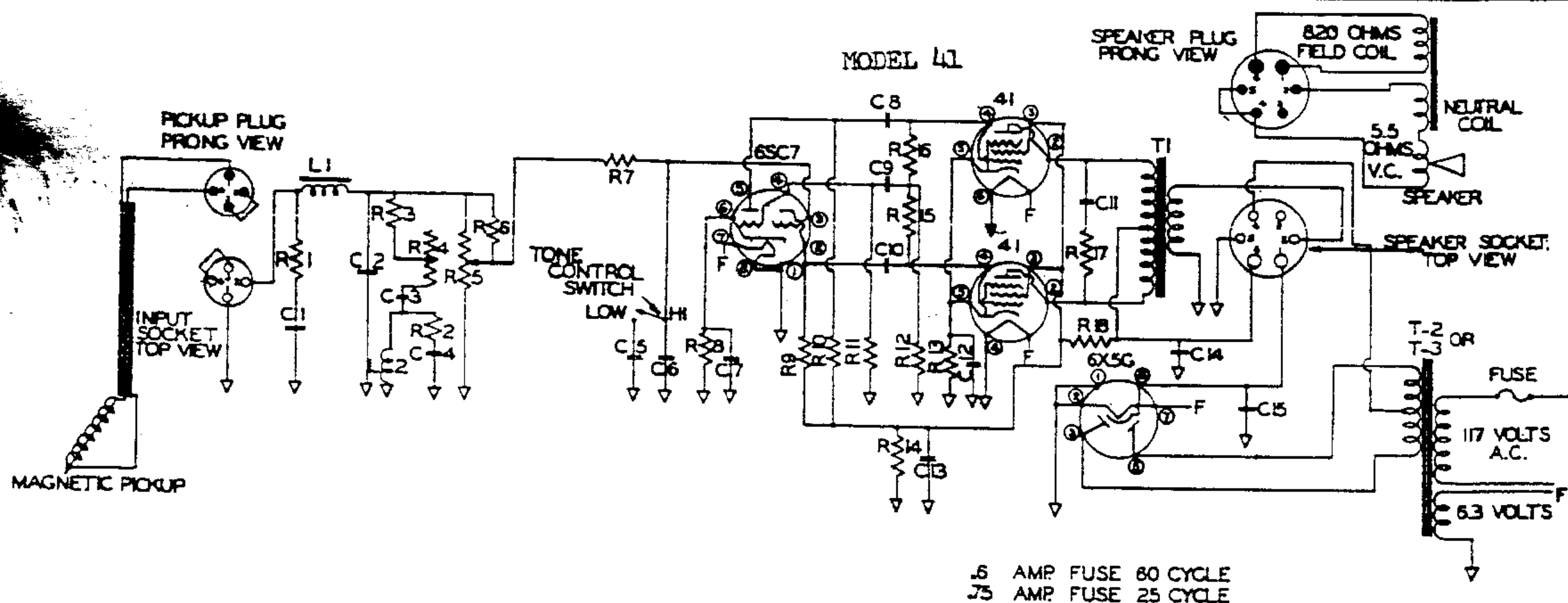
ALL MEASUREMENT MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLE. VOLTAGE OVER 50 USE 500 VOLT SCALE.

AVERAGE PLATE & SCREEN VOLTAGE MEASURED TO CHASSIS				AVERAGE VOLTAGE ACROSS CONDENSER				FILAMENT VOLTAGE			
6L6G	PLATE	300 VOLTS DC	6L6G	SCREEN	27 MA DC	C-11	270 VOLTS DC	6L6G	6.3 VOLTS AC	6SN7	6.3 VOLTS AC
6L6G	SCREEN	305 VOLTS DC	6SN7	PLATE (PIN#5)	34 MA DC	C-5	255 VOLTS DC	6SN7	6.3 VOLTS AC	5U4G	5.0 VOLTS AC
6SN7	PLATE (PIN#5)	190 VOLTS DC	6SN7	PLATE (PIN#2)	1.1 MA DC						
6SN7	PLATE (PIN#2)	80 VOLTS DC	6SN7	SCREEN	0.2 MA DC						
6SN7	PLATE	80 VOLTS DC									
6SN7	SCREEN	20 VOLTS DC									
AVERAGE PLATE & SCREEN CURRENT				FILAMENT VOLTAGES ARE 9.9 FOR ACCELERATED CATHODE HEATING WHEN FILAMENTS ARE COOL							
6L6G	PLATE	680 MA DC	C-17	305 VOLTS DC							
			C-13	20 VOLTS DC							
			C-12	305 VOLTS DC							

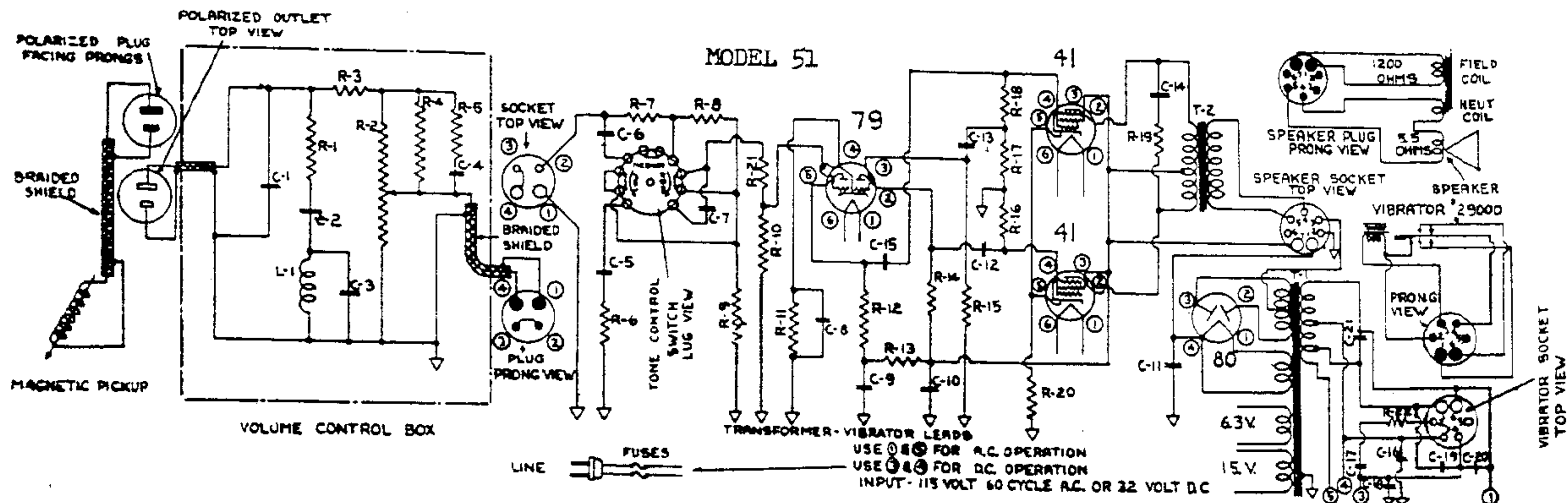
MODEL 41
MODEL 51

THE RUDOLPH WURLITZER CO.

MODEL 41



MODEL 51



ITEM	PART NO.	VALUE	REMARKS						
		RESISTORS							
R-1	22530	1,000 OHMS	-10%	1/3	WATT	L-1	35933	290 M.H.	COIL
R-2	22530	1,000 "	-10%	1/3	"	L-2	35917	400 " "	COIL
R-3	35945	100 "	-10%	1/3	"				
R-4	35931	1,000 "	DUAL VOLUME			TRANSFORMERS			
R-5	150,000	"	CONTROL			T-1	35919		AUDIO OUTPUT
R-6	35946	27,000 "	-10%	1/3	WATT	T-2	35915	50-60 CYCLE	POWER
R-7	35925	82,000 "	-10%	1/3	"	T-3	37264	25 CYCLE	POWER
R-8	35926	2,700 "	-10%	1/3	"	VOLTAGES AND CURRENST OF MODEL 041 AMPLIFIER ALL MEASUREMENTS MADE WITH LINE VOLTAGE 117 VOLTS 60 OR 25 CYCLES A.C. ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER (ALL VOLTAGES OVER 50 VOLTS USE 500 VOLT SCALE)			
R-9	22528	220,000 "	-10%	1/3	"				
R-10	22528	220,000 "	-10%	1/3	"				
R-11	35924	560,000 "	-10%	1/3	"				
R-12	20855	150,000 "	-10%	1/3	"	AVERAGE PLATE AND SCREEN VOLTAGE MEASURED TO CHASSIS 6SC7 PLATE 149 VOLTS D.C. 41 PLATE 321 VOLT D.C. SCR'N 258 VOLT D.C.			
R-13	35928	390 "	-10%	1	"				
R-14	35922	82,000 "	-10%	1	"				
R-15	35923	330,000 "	-10%	1/3	"				
R-16	35923	330,000 "	-10%	1/3	"	AVERAGE PLATE CURRENT 6SC7 .4 MILLS. D.C. 41 23. MILLS. D.C.			
R-17	35929	15,000 "	-10%	1/2	"				
R-18	35921	4,700 "	-10%	1	"				
		CONDENSERS							
C-1	35940	.003 MFD	-10%	100	W.V.	AVERAGE BIAS VOLTAGE MEASURED FROM CATHODE TO CHASSIS 6SC7 2.25 VOLTS D.C. 41 20.5 VOLTS D.C.			
C-2	35943	.005 "	-20%	100	" "				
C-3	35941	.5 "	-10%	100	" "				
C-4	35942	.008 "	-10%	100	" "				
C-5	35927	.001 "	-10%	200	" "	AVERAGE FILAMENT VOLTAGE 6SC7 6.3 VOLTS A.C. 41 6.3 VOLTS A.C. 6X5G 6.3 VOLTS A.C.			
C-6	35930	.0006 "	-10%	200	" "				
C-7	36432	20 "		25	" "				
C-8	22850	.01 "	-10%	400	" "				
C-9	22850	.01 "	-10%	400	" "	SPEAKER FIELD 820-OHMS. BETWEEN TERMINALS 1 & 6 ON SPEAKER SOCKET 48 VOLTS D.C.			
C-10	22850	.01 "	-10%	400	" "				
C-11	35989	.006 "	-10%	1200	" "				
C-12	35920	20 "		25	" "				
C-13		10 "		350	" "				
C-14	35920	10 "		350	" "				
C-15		10 "		450	" "				

AVERAGE VOLTAGE ACROSS CONDENSER C13 267 VOLTS D.C.
CONDENSER C14 323 VOLTS D.C. - CONDENSER C15 370 VOLTS D.C.

SPEAKER FIELD 820-OHMS. BETWEEN TERMINALS 1 & 6 ON
SPEAKER SOCKET 48 VOLTS D.C.

ITEM	PART NO.	VALUE	REMARKS
RESISTORS			
R-1	25418	1,500 OHMS	-10% 1/4 WATT
R-2	25079	100,000 "	VOLUME CONTROL
R-3	22588	3,000 "	-10% 1/4 WATT
R-4	21936	100,000 "	-10% 1/4 "
R-5	25575	200,000 "	-10% 1/4 "
R-6	21200	10,000 "	-10% 1/4 "
R-7	20266	75,000 "	-10% 1/4 "
R-8	21200	10,000 "	-10% 1/4 "
R-9	21938	100,000 "	-10% 1/4 "
R-10	25911	250,000 "	-10% 1/4 1/2 "
R-11	22588	3,000 "	-10% 1/4 "
R-12	25575	200,000 "	-10% 1/4 "
R-13	20266	75,000 "	-10% 1/4 "
R-14	20728	250,000 "	-20% 1/4 "
R-15	20728	250,000 "	-20% 1/4 "
R-16	25432	500,000 "	-10% 1/4 "
R-17	21200	10,000 "	-10% 1/4 "
R-18	25432	500,000 "	-10% 1/4 "
R-19	25574	15,000 "	-10% 1 "
R-20	25573	250 "	- 5% 10 "
R-21	25910	50,000 "	- 5% 1/4 "
R-22	22530	1,000 "	-10% 1/4 "
CONDENSERS			
C-1	25680	.008 MFD	-10% 200 W.V.
C-2	20665	.25 "	-10% 200 " "
C-3	22531	.003 "	-10% MICA
C-4	25680	.008 "	-10% 200 W.V.
C-5	22589	.0025 "	-10% MICA
C-6	22532	.004 "	-10% "
C-7	22589	.0025 "	-10% "
C-8	23010	10. " 1/2	25 W.V.
C-9	22320	.3 " "	20%-10% 400 W.V.
C-10	25570	25. " "	450 W.V.
C-11		8. " "	500 " "
C-12	21993	.05 " "	-10% 400 " "
C-13	21993	.05 " "	-10% 400 " "
C-14	22531	.003 " "	-10% MICA
C-15	21993	.05 " "	-10% 400 W.V.
C-16	29016	.25 " "	-10% 200 " "

C-17	24329	.1 "	-10% 200 " "
C-18	29017	.01 "	-10% 200 " "
C-19	24364	.5 "	-10% 200 " "
C-20	24364	.5 "	-10% 200 " "
C-21	29164	10. "	65 " " AC

CHOKES

L-1	25598	290 M.H.	CHOKE COIL
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TRANSFORMERS

T-1	29136	60 CYCLE	POWER
T-2	25571		AUDIO OUTPUT

ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT
VOLTMETER

AVERAGE PLATE VOLTAGE MEASURED FROM
PLATE TO CHASSIS

79	115 VOLTS D.C.
41	270 VOLTS D.C.

AVERAGE PLATE CURRENT

79	.35 MILLS D.C.
41	30. MILLS D.C.

AVERAGE BIAS VOLTAGE MEASURED FROM
CATHODE TO GROUND

79	APPROX. 15-2 VOLTS
41	18 VOLTS

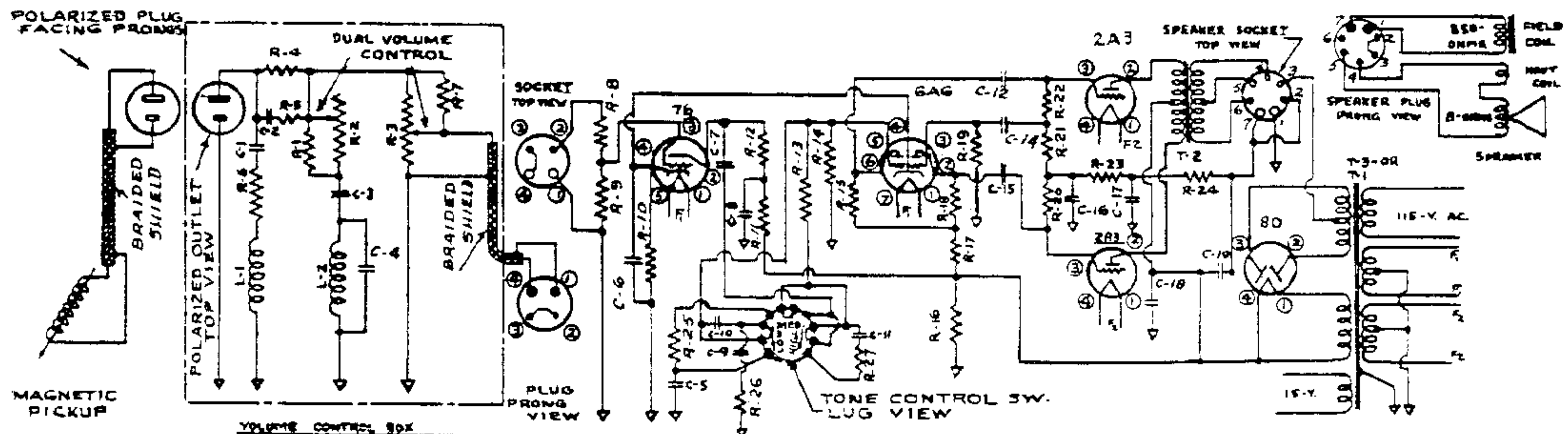
AVERAGE FILAMENT VOLTAGE

79	6.3 VOLTS A.C.
41	6.3 VOLTS A.C.
80	5.0 VOLTS A.C.

VOLTAGE ACROSS CONDENSER C-10 - 275 VOLTS D.C.
VOLTAGE ACROSS CONDENSER C-11 - 360 VOLTS D.C.

SPEAKER FIELD - 1200 OHMS BETWEEN TERMINALS #1
& #7 ON SPEAKER SOCKET 90 VOLTS D.C.

VOLTAGES AND CURRENTS OF MODEL #743 AMPLIFIER ALL MEASUREMENTS
MADE WITH LINE VOLTAGE 115 VOLTS 60 CYCLE A.C. OR 32 VOLTS D.C.

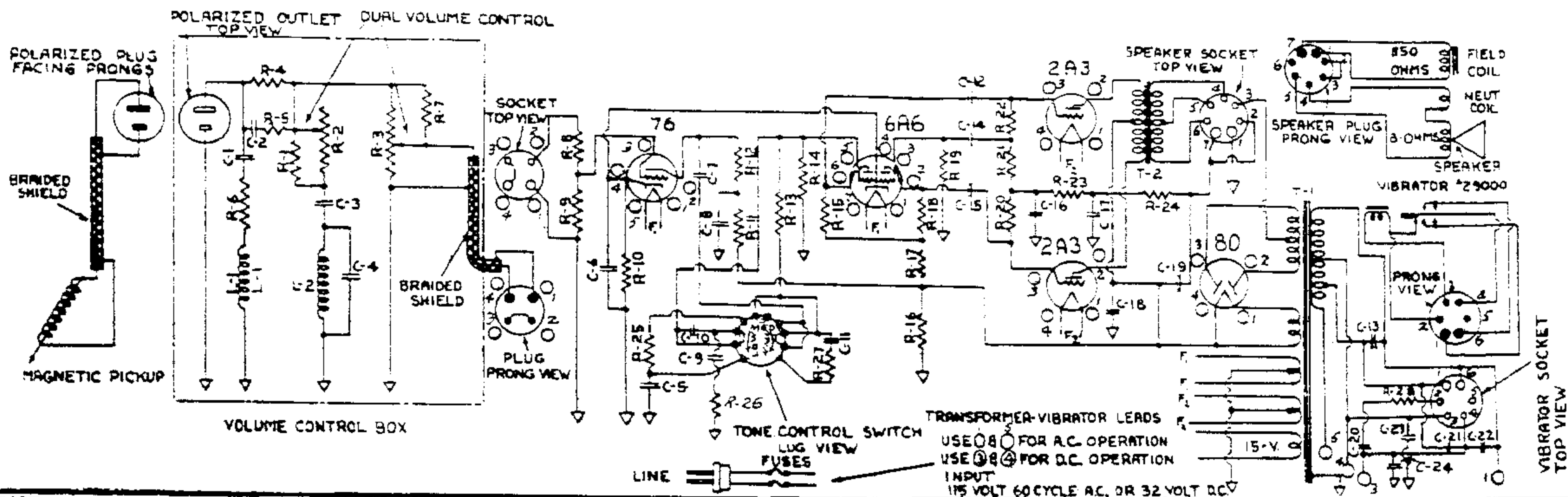


ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
RESISTORS				CONDENSERS				CHOKES				TRANSFORMERS			
R-1	20787	5,000-OHMS	±10% 1/4 WATT	R-16	23557	25,000-OHMS	±5% 20-WATT	C-1	25427	.002-MFD.	±5% MICA	C-16	20665	25-MFD.	±10% 200-WV
R-2	22765	12,000-OHMS	DUAL VOLUME CONTROL	R-17	20266	75,000-OHMS	±10% 1/4 WATT	C-2	25430	.02-MFD.	±10% 200-WV	C-17	25415	12-MFD.	150-WV
R-3	22765	150,000-OHMS		R-18	20728	250,000-OHMS	±20% 1/4 WATT	C-3	23221	.18-MFD.	±10% 200-WV	C-18		25-MFD.	450-WV
R-4	21200	10,000-OHMS	±10% 1/4 WATT	R-19	20728	250,000-OHMS	±20% 1/4 WATT	C-4	22531	.003-MFD.	±10% MICA	C-19		8-MFD.	500-WV
R-5	20787	5,000-OHMS	±10% 1/4 WATT	R-20	20750	500,000-OHMS	±20% 1/4 WATT	C-5	22753	.006-MFD.	±10% 400-WV				
R-6	25418	1,500-OHMS	±10% 1/4 WATT	R-21	23084	25,000-OHMS	±10% 1/4 WATT	C-6	23010	10-MFD.	25-WV				
R-7	20267	15,000-OHMS	±10% 1/4 WATT	R-22	20750	500,000-OHMS	±20% 1/4 WATT	C-7	21993	.05-MFD.	±10% 400-WV				
R-8	28626	25,000-OHMS	±5% 1/4 WATT	R-23	20853	150,000-OHMS	±10% 1/4 WATT	C-8	24321	2-MFD.	450-WV	L-1	25598	290 MILLI-HENRIES	CHOKE COIL
R-9	28152	75,000-OHMS	±5% 1/4 WATT	R-24	22014	30,000-OHMS	±10% 1/4 WATT	C-9	25428	.0015-MFD.	±5% MICA	L-2	21693	540 MILLI-HENRIES	CHOKE COIL
R-10	23418	1,500-OHMS	±10% 1/4 WATT	R-25	20266	75,000-OHMS	±10% 1/4 WATT	C-10	25429	.00035-MFD.	±10% MICA				
R-11	20855	150,000-OHMS	±10% 1/4 WATT	R-26	28526	20,000-OHMS	±10% 1/4 WATT	C-11	22753	.006-MFD.	±10% 400-WV				
R-12	21939	50,000-OHMS	±10% 1/4 WATT	R-27	20266	75,000-OHMS	±10% 1/4 WATT	C-12	21993	.05-MFD.	±10% 400-WV				
R-13	21938	100,000-OHMS	±10% 1/4 WATT					C-13							
R-14	20855	150,000-OHMS	±10% 1/4 WATT					C-14	21993	.05-MFD.	±10% 400-WV	T-1	25417	60-CYCLE	POWER
R-15	20728	250,000-OHMS	±20% 1/4 WATT					C-15	21993	.05-MFD.	±10% 400-WV	T-2	25416		AUDIO OUTPUT

VOLTAGES AND CURRENTS OF MODEL #752 AMPLIFIER. ALL MEASUREMENTS MADE WITH LINE VOLTAGE 115 VOLTS.
ALL VOLTAGES MEASURED WITH 1,000 OHMS PER VOLT VOLTMETER.

AVERAGE PLATE VOLTAGE MEASURED FROM	AVERAGE PLATE CURRENT:-	AVERAGE VOLTAGE MEASURED ACROSS	AVERAGE FILAMENT VOLTAGE:-
PLATE + TO CHASSIS:-		CONDENSERS:-	
76 - PLATE TO CHASSIS	76-PLATE CURRENT 1.3-MILLI D.C.	C-18	76 - FIL. VOLTAGE 6.3-VOLTS A.C.
6A6 - PLATE TO CHASSIS	6A6-PLATE CURRENT .5-MILLI D.C.	C-19	6A6 - FIL. VOLTAGE 6.3-VOLTS A.C.
2A3 - PLATE TO CHASSIS	2A3-PLATE CURRENT 34.0-MILLI D.C.	C-6	2A3 - FIL. VOLTAGE 2.5-VOLTS A.C.
		C-17	80 - FIL. VOLTAGE 5.0-VOLTS A.C.

SPEAKER FIELD 850-OHMS BETWEEN TERMINALS #1 & #7 ON SPEAKER SOCKET - 70-VOLTS D.C.



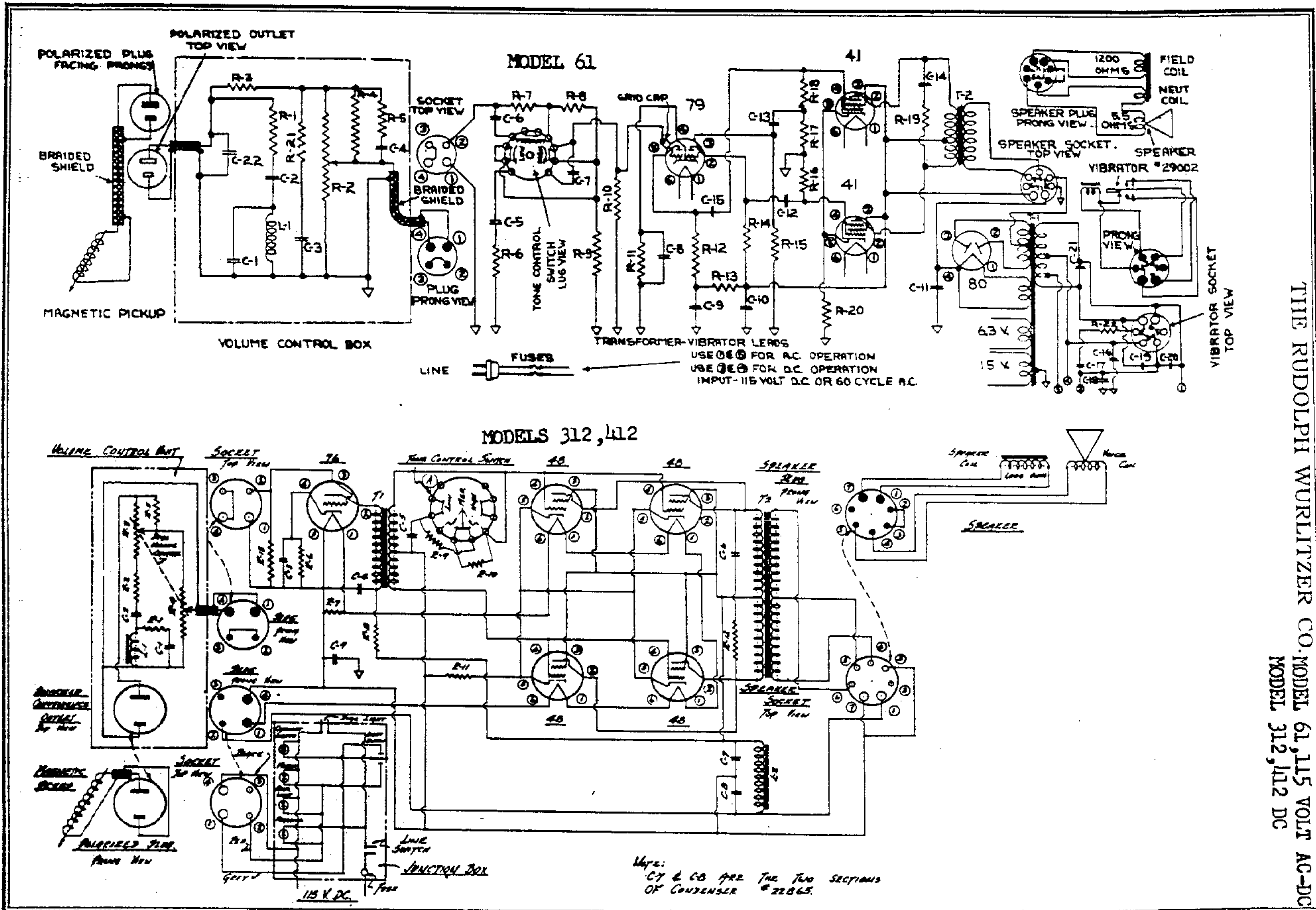
ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
RESISTORS				CONDENSERS											
R-1	20787	5000 OHMS	±10% 1/4WATT	R-16	25557	25000 OHMS	±5% 20WATT	C-1	25427	.002 MFD	±5% MICA	C-16	20665	25 MFD	±10% 200WV
R-2	22765	12000 OHMS	DUAL VOLUME CONTROL	R-17	20266	75000 OHMS	±10% 1/4WATT	C-2	25430	.02 MFD	±10% 200WV	C-17		2 MFD	150 WV
R-3		150000 OHMS		R-18	20728	250000 OHMS	±20% 1/4WATT	C-3	23221	.18 MFD	±10% 200WV	C-18	25415	25 MFD	450 WV
R-4	21200	10000 OHMS	±10% 1/4WATT	R-19	20728	250000 OHMS	±20% 1/4WATT	C-4	22531	.003 MFD	±10% MICA	C-19		8 MFD	500 WV
R-5	20767	5000 OHMS	±10% 1/4WATT	R-20	20750	500000 OHMS	±20% 1/4WATT	C-5	22753	.006 MFD	±10% 400WV	C-20	24329	1 MFD	±10% 200 WV
R-6	25418	1500 OHMS	±10% 1/4WATT	R-21	23084	25000 OHMS	±10% 1/4WATT	C-6	23010	10 MFD	25 WV	C-21	24364	.5 MFD	±10% 200 WV
R-7	20267	15000 OHMS	±10% 1/4WATT	R-22	20750	500000 OHMS	±20% 1/4WATT	C-7	21993	.05 MFD	±10% 400WV	C-22	24364	5 MFD	±10% 200 WV
R-8	28626	25000 OHMS	±5% 1/4WATT	R-23	20855	150000 OHMS	±10% 1/4WATT	C-8	24321	2 MFD	450 WV	C-23	29016	25 MFD	±10% 200 WV
R-9	28152	75000 OHMS	±5% 1/4WATT	R-24	22014	30000 OHMS	±10% 1/4WATT	C-9	25428	.0015 MFD	±5% MICA	C-24	29017	.01 MFD	±10% 200 WV
R-10	25418	1500 OHMS	±10% 1/4WATT	R-25	20266	75000 OHMS	±10% 1/4WATT	C-10	25429	.00035 MFD	±10% MICA				
R-11	20855	150000 OHMS	±10% 1/4WATT	R-26	22526	20000 OHMS	±10% 1/4WATT	C-11	22753	.006 MFD	±10% 400WV				
R-12	21939	50000 OHMS	±10% 1/4WATT	R-27	20266	75000 OHMS	±10% 1/4WATT	C-12	21993	.05 MFD	±10% 400WV				
R-13	21938	100000 OHMS	±10% 1/4WATT	R-28	22530	1000 OHMS	±10% 1/4WATT	C-13	29164	10 MFD	65 WV AC				
R-14	20855	150000 OHMS	±10% 1/4WATT					C-14	21993	.05 MFD	±10% 400WV				
R-15	20728	250000 OHMS	±20% 1/4WATT					C-15	21993	.05 MFD	±10% 400WV				

VOLTAGES AND CURRENTS OF MODEL #754 AMPLIFIER. ALL MEASUREMENTS MADE WITH LINE VOLTAGE 115 VOLTS 60 CYCLE A.C. OR 32 VOLTS D.C.

ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER.

AVERAGE PLATE VOLTAGE MEASURED FROM PLATE + TO CHASSIS-		AVERAGE PLATE CURRENT:-		AVERAGE VOLTAGE MEASURED ACROSS CONDENSERS:-		AVERAGE FILAMENT VOLTAGES	
76 PLATE TO CHASSIS	65 VOLTS DC.	76 PLATE CURRENT	1.3 MILLS DC.	C-18	345 VOLTS DC.	76 FIL. VOLTAGE	6.3 VOLTS AC.
6A6 PLATE TO CHASSIS	110 VOLTS DC.	6A6 PLATE CURRENT	.5 MILLS DC.	C-19	420 VOLTS DC.	6A6 FIL. VOLTAGE	6.3 VOLTS AC.
2A3 PLATE TO CHASSIS	345 VOLTS DC.	2A3 PLATE CURRENT	34 MILLS DC.	C-6	35 VOLTS DC.	2A3 FIL. VOLTAGE	2.5 VOLTS AC.
				C-17	70 VOLTS DC.	80 FIL. VOLTAGE	5.0 VOLTS AC.

SPEAKER FIELD - 850 OHMS BETWEEN TERMINALS #1 & #7 ON SPEAKER SOCKET - 70 VOLTS DC.



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ITEM	PART NO.	VALUE	REMARKS
RESISTORS			
R-1	31144	1,000 OHMS	- 5% 1/4 WATT
R-2	25679	100,000 "	VOLUME CONTROL
R-3	28153	15,000 "	- 5% 1/4 WATT
R-4	31644	100,000 "	- 5% 1/4 "
R-5	31152	200,000 "	- 5% 1/4 "
R-6	21200	10,000 "	-10% 1/4 "
R-7	20266	75,000 "	-10% 1/4 "
R-8	21200	10,000 "	-10% 1/4 "
R-9	21938	100,000 "	-10% 1/4 "
R-10	20703	300,000 "	-10% 1/4 "
R-11	22588	3,000 "	-10% 1/4 "
R-12	25575	200,000 "	-10% 1/4 "
R-13	20266	75,000 "	-10% 1/4 "
R-14	20728	250,000 "	-20% 1/4 "
R-15	20728	250,000 "	-20% 1/4 "
R-16	25432	500,000 "	-10% 1/4 "
R-17	21200	10,000 "	-10% 1/4 "
R-18	25432	500,000 "	-10% 1/4 "
R-19	25574	15,000 "	-10% 1 "
R-20	25573	250 "	- 5% 10 "
R-21	25910	50,000 "	- 5% 1/4 "
R-22	22530	1,000 "	-10% 1/4 "
CONDENSERS			
C-1	22532	.004 MFD	-10% MICA
C-2	20665	.25 "	-10% 200 W.V.
C-3	22758	.001 "	-10% MICA
C-4	25680	.008 "	-10% 200 W.V.
C-5	22589	.0025 "	-10% MICA
C-6	22532	.004 "	-10% "
C-7	22589	.0025 "	-10% "
C-8	23010	10. "	25 W.V.
C-9	22320	.5 "	20%-10% 400 W.V.
C-10	25570	25. "	450 W.V.
C-11	21993	8. "	500 W.V.
C-12	21993	.05 "	-10% 400 "
C-13	21993	.05 "	-10% 400 "
C-14	22531	.003 "	-10% MICA
C-15	21993	.05 "	-10% 400 W.V.
C-16	29016	.25 "	-10% 200 "
C-17	24329	.1 "	-10% 200 "
C-18	29017	.01 "	-10% 200 "
C-19	24364	.5 "	-10% 200 "
C-20	24364	.5 "	-10% 200 "
C-21	29155	1. "	220 W.V. A.C.
C-22	25680	.008 "	-10% 200 W.V.

VOLTAGES AND CURRENTS OF MODEL #842 AMPLIFIER. ALL MEASUREMENTS MADE WITH LINE VOLTAGE 115 VOLTS D.C. OR 60 CYCLE A.C.

ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER

AVERAGE PLATE VOLTAGE MEASURED FROM PLATE TO CHASSIS:

79 115-VOLTS D.C.
41 270-VOLTS D.C.

AVERAGE PLATE CURRENT

79 .35- MILLS D.C.
41 30. - MILLS D.C.

AVERAGE BIAS VOLTAGE MEASURED FROM CATHODE TO GROUND

79 APPROX. 1.5-2. VOLTS
41 18 VOLTS

ITEM PART NO.

L-1 25598

VALUE
CHOKES
290 M.H.

REMARKS

CHOKE COIL

T-1 29149
T-2 25571

TRANSFORMERS
60 CYCLE

POWER
AUDIO OUTPUT

AVERAGE FILAMENT VOLTAGES

79 6.3 VOLTS A.C.
41 6.3 VOLTS A.C.
80 5.0 VOLTS A.C.

VOLTAGE ACROSS CONDENSER C-10 - 275 VOLTS D.C.

VOLTAGE ACROSS CONDENSER C-11 - 360 VOLTS D.C.

THE RUDOLPH WURLITZER CO.

MODEL 312, 412 D6

ITEM	PART NO.	VALUE	REMARKS
		RESISTORS	
R-1	22783	7,000 OHMS	-10% 1/4 WATT
R-2	22588	3,000 "	-10% 1/4 " CONTROL
R-3		15,000 "	DUAL VOLUME CONTROL
R-4	21600	1,500,000 "	DUAL VOLUME CONTROL
R-5	20787	5,000 "	-10% 1/4 WATT
R-6	22529	2,000 "	-10% 1/4 " CONTROL
R-7	22851	63 "	BLEND
R-8	21997	50,000 "	-10% 1/2 WATT
R-9	21200	10,000 "	-10% 1/4 " "
R-10	22526	20,000 "	-10% 1/4 " "
R-11	22854	100 "	-5% R.D.
R-12	22325	2,000 "	-5% 1 WATT
R-13	21841	2,000,000 "	-10% 1/4 " "
		CONDENSERS	
C-1	22589	.0025 MFD	-10% MICA
C-2	22774	.2 "	-10% 200 VOLT
C-3	20129	10. "	25 "
C-4	22535	.75 "	-10% 200 VOLT
C-5	22850	.01 "	-10% 400 VOLT
C-6	21993	.05 "	-20% 400 "
C-7	22865	1.0 "	(SEE NOTE) 200 VOLT
C-8	(SEE C-7)	20 "	" " "
C-9	22861	.1 "	-20% 400 VOLT
		CHOKES	
L-1	21693	560 M. H.	AIR CORE
L-2	22866	1.35 HENRIES	POWER FILTER
		TRANSFORMERS	
T-1	22867		INPUT
T-2	22864		AUDIO OUTPUT

VOLTAGES AND CURRENTS OF MODEL - 651 - AMPLIFIER. ALL MEASUREMENTS MADE WITH LINE VOLTAGE 115-VOLTS D.C.

ALL VOLTAGES MEASURED WITH 1000 - OHMS PER VOLT VOLTMETER

AVERAGE PLATE VOLTAGE MEASURED FROM HE
PLATE TO CONTACT #7 - ON SPEAKER SOCKET

-48 110 VOLTS D.C. ~~20~~

-76

AVERAGE PLATE CURRENT

-48 350 - M.A.

-76 .6- " "

AVERAGE BIAS VOLTAGE MEASURED FROM
CATHODE OF TUBE TO 7 - CONTACT ON
SPEAKER SOCKET

-48 19.5 - VOLTS D.C.

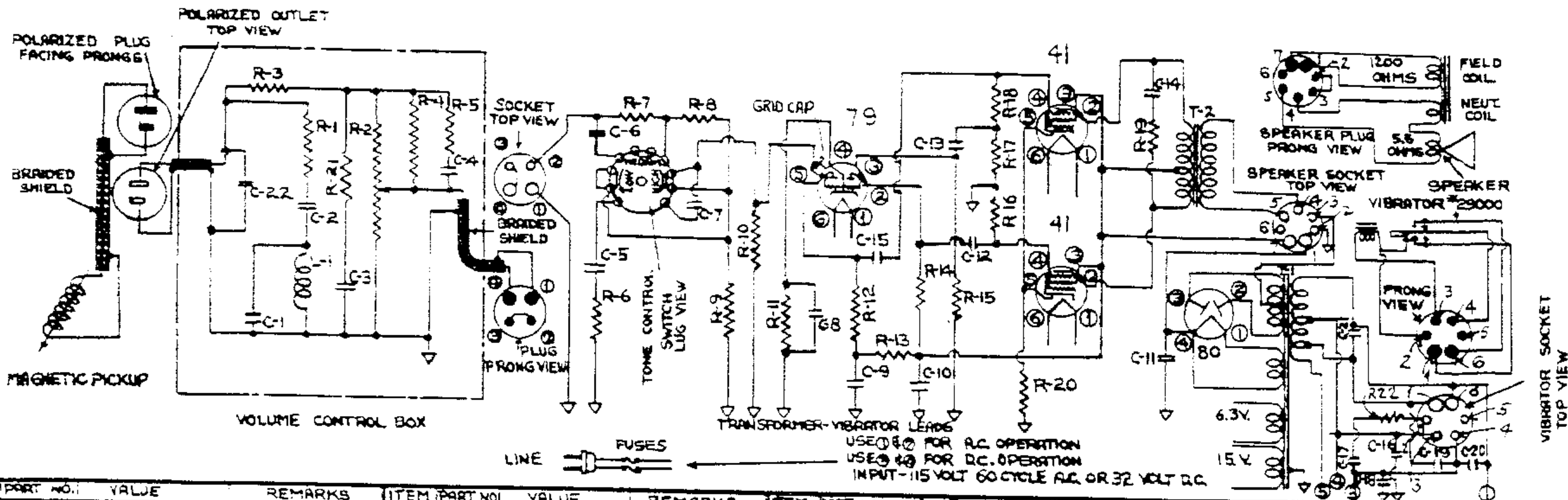
-76 1.0 - " "

AVERAGE FILAMENT VOLTAGE: -

-48 27.5 VOLTS D.C.

-76 6.1 " "

MODEL 61, 115 VOLT AC, THE RUDOLPH WURLITZER CO. 32 VOLT DC

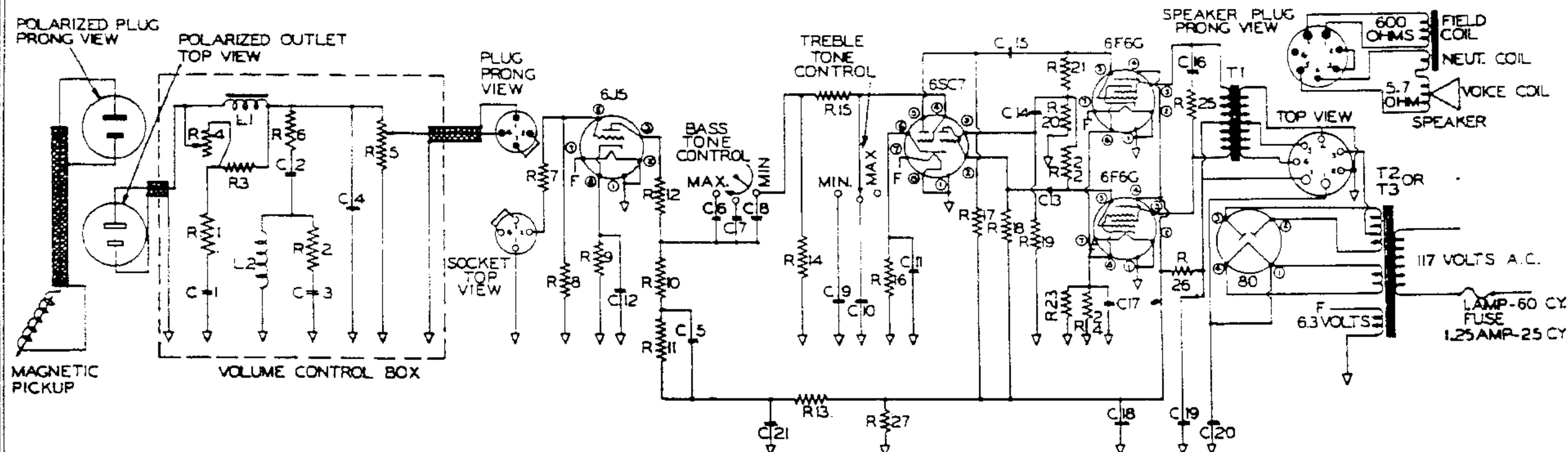


ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
RESISTORS				CONDENSERS				CHOKES				TRANSFORMERS			
R-1	31144	1000 OHMS	± 5% 1/2 WATT	C-1	22532	.004 MFD	± 10% MICA	L-1	25598	290 MILLIHENRIES	CHOKE COIL	T-1	29136	60-CYCLE	POWER
R-2	25679	100000 OHMS	VOLUME CONTROL	C-2	20665	.25 MFD	± 10% 200 W.V.					T-2	25571		AUDIO OUTPUT
R-3	28153	15000 OHMS	± 5% 1/2 WATT	C-3	22758	.001 MFD	± 10% MICA								
R-4	31644	100000 OHMS	± 5% 1/2 WATT	C-4	25680	.008 MFD	± 10% 200 W.V.								
R-5	31152	200000 OHMS	± 5% 1/2 WATT	C-5	22589	.0025 MFD	± 10% MICA								
R-6	21200	10000 OHMS	± 10% 1/2 WATT	C-6	22532	.004 MFD	± 10% MICA								
R-7	20266	75000 OHMS	± 10% 1/2 WATT	C-7	22589	.0025 MFD	± 10% MICA								
R-8	21200	10000 OHMS	± 10% 1/2 WATT												
R-9	21938	100000 OHMS	± 10% 1/2 WATT												
R-10	20703	300000 OHMS	± 10% 1/2 WATT												
R-11	22588	3000 OHMS	± 10% 1/2 WATT												
R-12	25575	200000 OHMS	± 10% 1/2 WATT												
R-13	20266	75000 OHMS	± 10% 1/2 WATT												
R-14	20728	250000 OHMS	± 20% 1/2 WATT												
R-15	20728	250000 OHMS	± 20% 1/2 WATT												

VOLTAGES AND CURRENTS OF MODEL #843 AMPLIFIER. ALL MEASUREMENTS MADE WITH LINE VOLTAGE 115 VOLTS 60 CYCLE AC OR 32 VOLTS D.C.
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER.

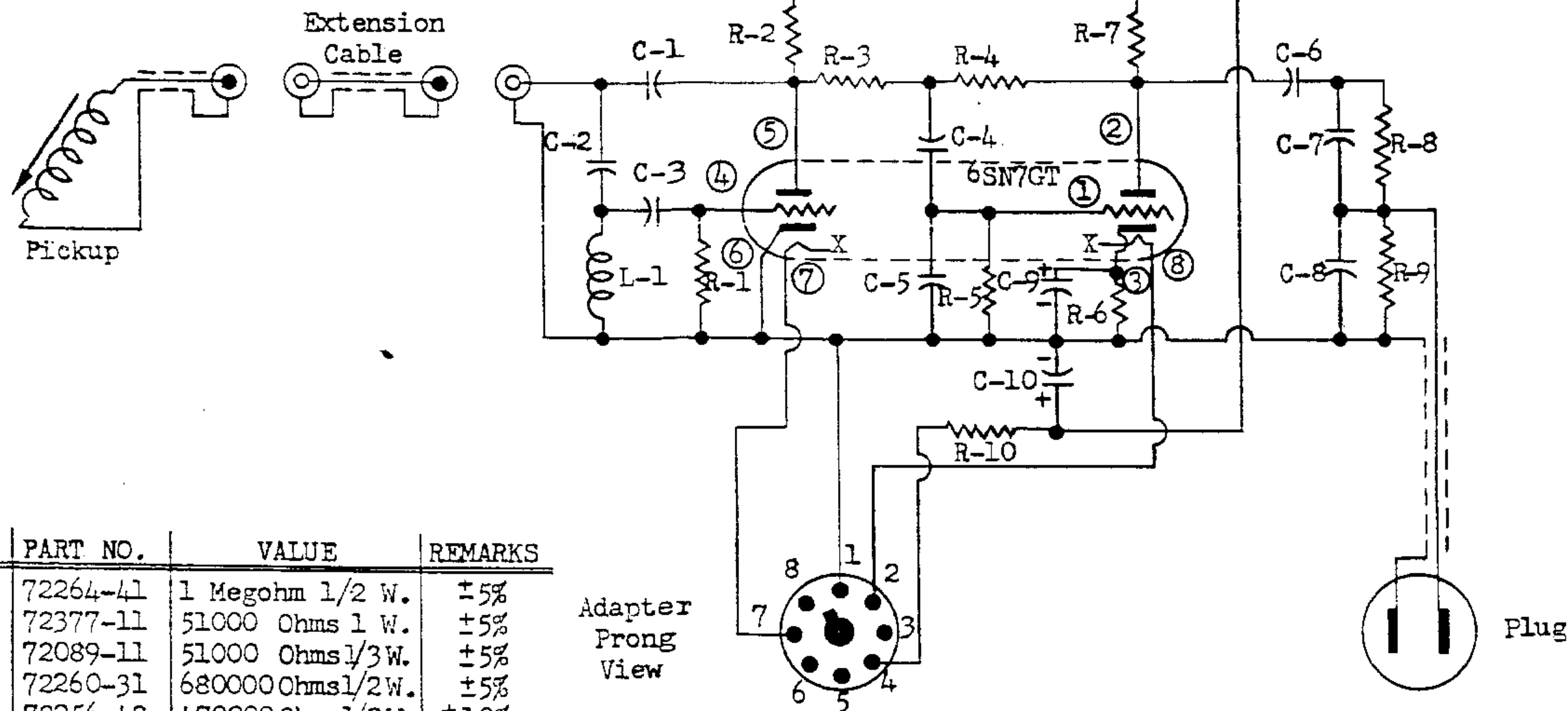
AVERAGE PLATE VOLTAGE MEASURED FROM PLATE TO CHASSIS	AVERAGE PLATE CURRENT	AVERAGE BIAS VOLTAGE MEASURED FROM CATHODE TO GROUND	AVERAGE FILAMENT VOLTAGE
79 115 VOLTS D.C.	79 .35 MILLS D.C.	79 APPROX. 15-20 VOLTS	79 6.3 VOLTS A.C.
41 270 VOLTS D.C.	41 30. MILLS D.C.	41 18 VOLTS	41 6.3 VOLTS A.C.
			80 5.0 VOLTS A.C.

VOLTAGE ACROSS CONDENSER C-10 - 275 VOLTS D.C.	VOLTAGE ACROSS CONDENSER C-11 - 360 VOLTS D.C.
SPEAKER FIELD - 1200 OHMS BETWEEN TERMINALS #1 & #7 ON SPEAKER SOCKET - 85 VOLTS D.C.	



ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
R 1	36553	5100 OHMS	±10% ½ WATT	R 15	20855	150 000 OHMS	±10% ½ WATT	C 1	36320	.003 MFD	±10% 600 W.V.	C 15	37284	.03 MFD	±10% 600 W.V.
R 2	22530	1000 OHMS	±10% ½ WATT	R 16	36325	1200 OHMS	±10% ½ WATT	C 2	28123	.3 MFD	±10% 120 W.V.	C 16	35989	.006 MFD	±10% 1200 W.V.
R 3	36554	3900 OHMS	±10% ½ WATT	R 17	36476	180 000 OHMS	±10% ½ WATT	C 3	25680	.008 MFD	±10% 600 W.V.	C 17		.20 MFD	25 W.V.
R 4	36551	20 000 OHMS	VOL. CON. REAR	R 18	36476	180 000 OHMS	±10% ½ WATT	C 4	25560	.004 MFD	±10% 600 W.V.	C 18	36338	.10 MFD	450 W.V.
R 5		50 000 OHMS	VOL. CON. PANEL	R 19	35924	560 000 OHMS	±10% ½ WATT	C 5	36471	.075 MFD	±10% 200 W.V.	C 19		.10 MFD	450 W.V.
R 6	36325	1200 OHMS	±10% ½ WATT	R 20	21938	100 000 OHMS	±10% ½ WATT	C 6	22850	.01 MFD	±10% 400 W.V.	C 20		.10 MFD	475 W.V.
R 7	36475	120 000 OHMS	±10% ½ WATT	R 21	36476	180 000 OHMS	±10% ½ WATT	C 7	36473	.00085 MFD	±10% 600 W.V.	C 21	36469	.8 MFD	350 W.V.
R 8	36447	390 000 OHMS	±10% ½ WATT	R 22	36476	180 000 OHMS	±10% ½ WATT	C 8	36474	.0015 MFD	±10% 600 W.V.	CHOKES			
R 9	36324	3300 OHMS	±10% ½ WATT	R 23	36327	680 OHMS	±10% 1 WATT	C 9	36472	.001 MFD	±10% 600 W.V.	L 1	35917	400 MILLIHENRIES	COIL
R 10	36477	4700 OHMS	±10% ½ WATT	R 24	36327	680 OHMS	±10% 1 WATT	C 10	36319	.00035 MFD	±10% 600 W.V.	L 2	35933	290 MILLIHENRIES	COIL
R 11	20855	150 000 OHMS	±10% ½ WATT	R 25	25574	15 000 OHMS	±10% 1 WATT	C 11		.20 MFD	DUAL 25 W.V.	TRANSFORMER			
R 12	36326	56 000 OHMS	±10% ½ WATT	R 26	37145	1500 OHMS	±10% 3 WATT	C 12	36330	.20 MFD	DUAL 25 W.V.	T 1	36314		AUDIO OUTPUT
R 13	21200	10 000 OHMS	±10% ½ WATT	R 27	36321	47 000 OHMS	±10% 3 WATT	C 13	37284	.03 MFD	±10% 600 W.V.	T 2	36315	50-60 CYCLE	POWER
R 14	36323	270 000 OHMS	±10% ½ WATT					C 14	22850	.01 MFD	±10% 400 W.V.	T 3	37267	25 CYCLE	POWER

VOLTAGES & CURRENTS OF MODEL 071 AMPLIFIER — ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLE			
ALL VOLTAGES MEASURED WITH 1000 OHM PER VOLT VOLTMETER. (ALL VOLTAGES OVER 50 USE 500 VOLT SCALE)			
AVERAGE PLATE & SCREEN VOLTAGE MEASURED TO CHASSIS		AVERAGE BIAS VOLTAGE MEASURED FROM CATHODE TO CHASSIS	
6J5 PLATE 77 VOLTS D.C.	6J5 11 MILLS D.C.	6J5 3 VOLTS D.C.	6J5 63 VOLTS A.C.
6SC7 PLATE 155 VOLTS D.C.	6SC7 8 MILLS D.C.	6SC7 1.75 VOLTS D.C.	6SC7 63 VOLTS A.C.
6F6G PLATE 337 VOLTS D.C.	6F6G 30 MILLS D.C.	6F6G 23 VOLTS D.C.	6F6G 63 VOLTS A.C.
6F6G SCREEN 310 VOLTS D.C.			80 5 VOLTS A.C.
AVERAGE VOLTAGE ACROSS CONDENSERS — C17 23 VOLTS D.C. — C18 309 VOLTS D.C. — C19 337 VOLTS D.C. — C20 388 VOLTS D.C. — C21 295 VOLTS D.C.			
SPEAKER FIELD RESISTANCE 600 OHMS — 51 VOLTS D.C. MEASURED BETWEEN TERMINALS 1 & 7 OF SPEAKER SOCKET			



ITEM	PART NO.	VALUE	REMARKS
R-1	72264-41	1 Megohm 1/2 W.	±5%
R-2	72377-11	51000 Ohms 1 W.	±5%
R-3	72089-11	51000 Ohms 1/3 W.	±5%
R-4	72260-31	680000 Ohms 1/2 W.	±5%
R-5	72256-42	470000 Ohms 1/2 W.	±10%
R-6	72202-32	2700 Ohms 1/2 W.	±10%
R-7	72240-42	100000 Ohms 1/2 W.	±10%
R-8	72238-32	82000 Ohms 1/2 W.	±10%
R-9	72220-32	15000 Ohms 1/2 W.	±10%
R-10	72360-32	10000 Ohms 1 W.	±10%

Adapter
Prong
View

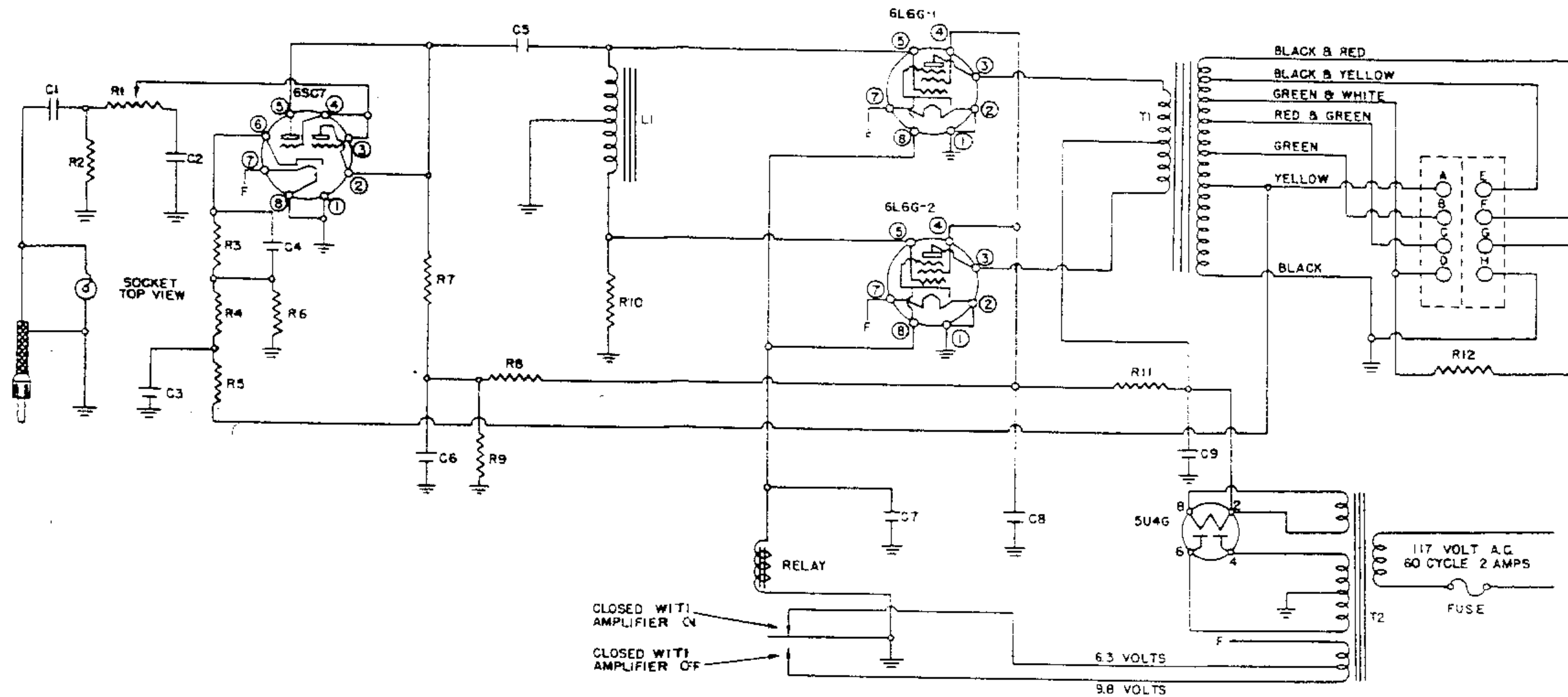
ALL VOLTAGES MEASURED WITH VOLTOHMYST JUNIOR OR EQUIVALENT
VACUUM TUBE VOLTMETER AT 117 V. LINE WITH PICKUP CONNECTED

C-1	50042	50 MMFD.	Ceramic ±2%
C-2	50042	50 MMFD.	Ceramic ±2%
C-3	73033-24	.1 MFD. 400 V.	±10%
C-4	73016-64	.02 MFD. 400 V.	+30%-10%
C-5	50041	100 MMFD.	Ceramic ±10%
C-6	73033-24	.1 MFD. 400 V.	±10%
C-7	73012-24	.007 MFD. 400 V.	±10%
C-8	73006-24	.002 MFD. 400 V.	±10%

ITEM	PART NO.	VALUE	REMARKS
C-9	49857	20 Mfd. 25V.	Electrolytic
C-10		20 Mfd. 400V.	Electrolytic
L-1	49856	Oscil. Coil	

Voltages

Across	C-9	4Volts D.C.
Across	C-10	245 Volts D.C.
Across	R-1	-5 Volts D.C.



ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
C1	22545	05 MFD	200 W V $\pm 10\%$	R1	46112	250,000 OHMS	TONE CONTROL	R10	35925	82,000 OHMS	$\pm 10\%$ 1/3 WATT	T1	47007		TRANSFORMERS
C2	35440	00075 MFD	600 W V $\pm 10\%$	R2	35925	560,000 OHMS	$\pm 10\%$ 1/3 WATT	R11	40223	100 OHMS	$\pm 10\%$ 1 WATT	T2	47023		TRANSFORMERS
C3	36320	003 MFD	600 W V $\pm 10\%$	R3	40225	910 OHMS	$\pm 1\%$ 1/3 WATT	R12	47201	82 OHMS	$\pm 10\%$ 2 WATT				
C4	36432	20 MFD	25 W V $\pm 10\%$	R4	47202	9100 OHMS	$\pm 1\%$ 1/3 WATT								
C5	38548	25 MFD	400 W V $\pm 10\%$	R5	47202	9100 OHMS	$\pm 1\%$ 1/3 WATT								
C6	40149	20 MFD	350 W V $\pm 10\%$	R6	40224	130 OHMS	$\pm 1\%$ 1/3 WATT								
C7	40149	20 MFD	25 W V $\pm 10\%$	R7	36326	56,000 OHMS	$\pm 10\%$ 1/3 WATT								
C8	40149	40 MFD	400 W V $\pm 10\%$	R8	47163	1,000 OHMS	$\pm 10\%$ 5 WATT								
C9	40150	50 MFD	400 W V $\pm 10\%$	R9	47164	10,000 OHMS	$\pm 10\%$ 20 WATT								

VOLTAGE & CURRENTS OF MODEL 217 AMPLIFIER
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER

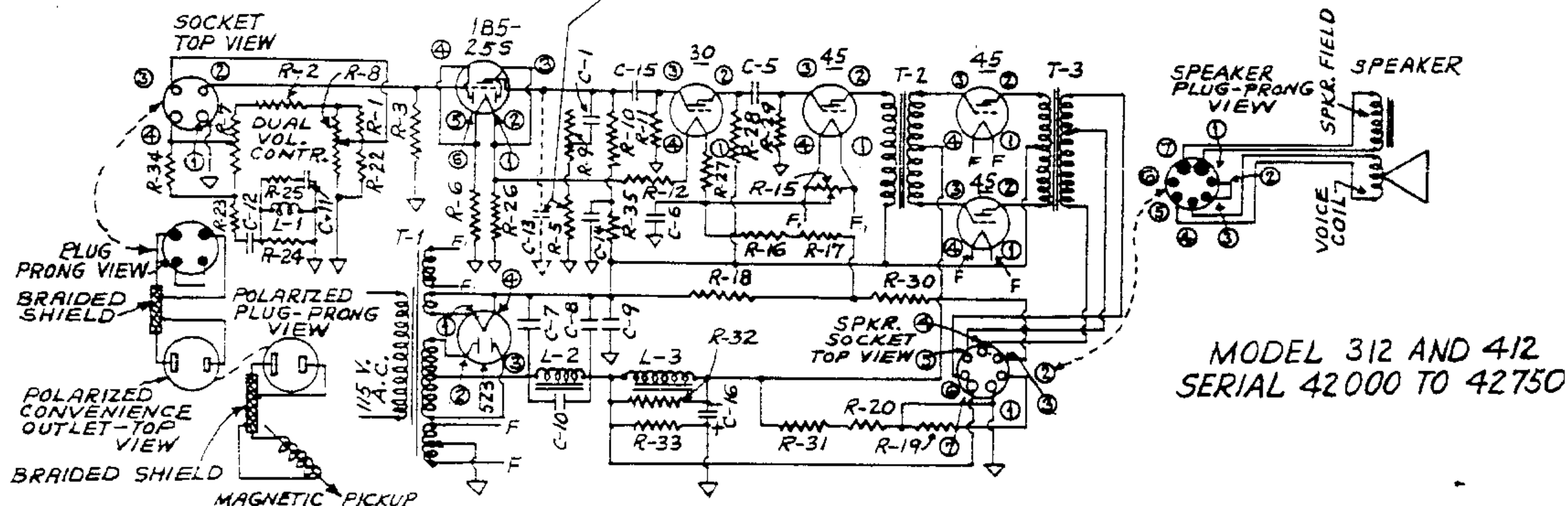
ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 60 CYCLES
FOR VOLTAGES OVER 50 USE 500 VOLT SCALE

AVERAGE PLATE & SCREEN VOLTAGES			AVERAGE CURRENT			AVERAGE VOLTAGES ACROSS CONDENSERS			AVERAGE FILAMENT VOLTAGE		
MEASURED TO CHASSIS											
6L6G	PLATE	290 VOLTS D.C.	6L6G	PLATE	64 MA. D.C.	C9 (50 MFD)	300 VOLTS D.C.		6L6G	6.3	
6L6G	SCREEN	295 VOLTS D.C.	6SC7	PLATE	16 MA. D.C.	C8 (40 MFD)	295 VOLTS D.C.		6SC7	6.3	
6SC7	PLATE	160 VOLTS D.C.				C7 (20 MFD)	20 VOLTS D.C.		5U4G	5.0	
						C6 (20 MFD)	265 VOLTS D.C.				
						C4 (20 MFD)	1.4 VOLTS D.C.				

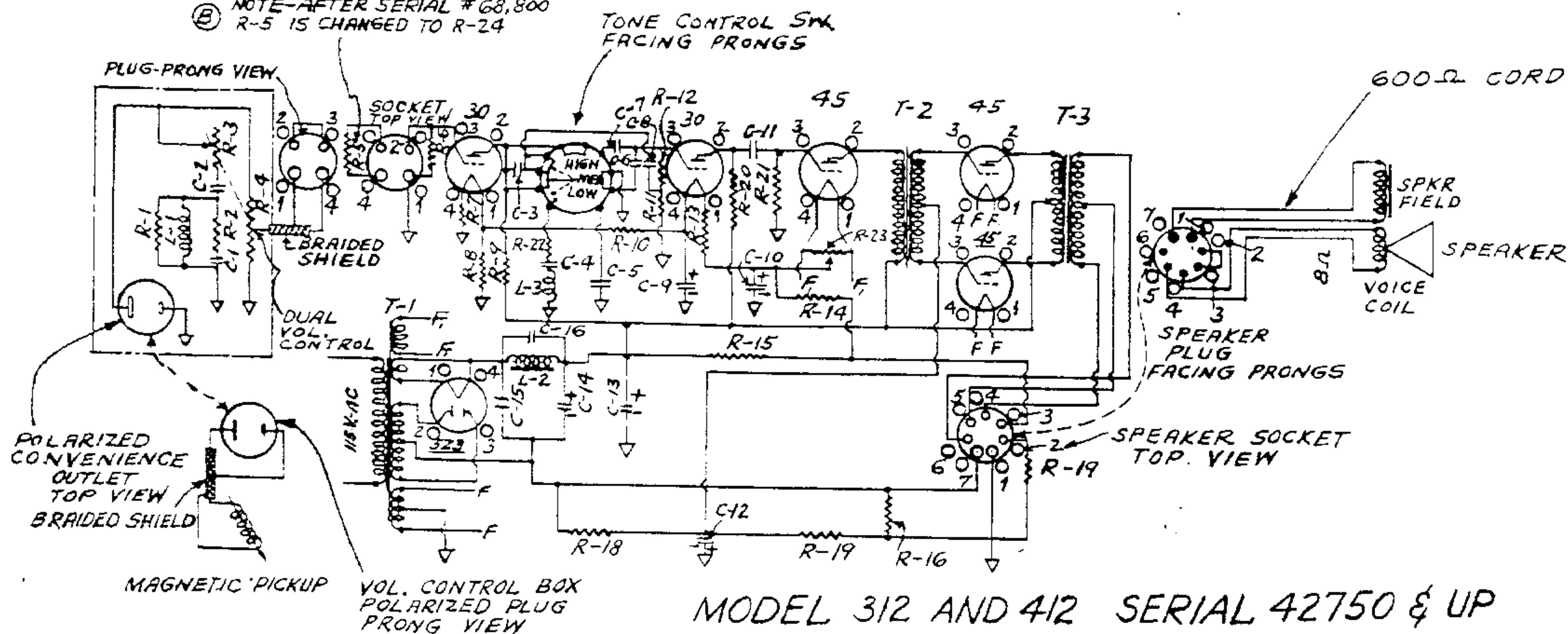
FILAMENT VOLTAGES ARE 9.8 V. FOR
ACCELERATED CATHODE HEATING WHEN
FILAMENTS ARE COOL.

MODEL 312, 412
SERIAL 42,000 to 42,750
MODEL 312, 412
SERIAL 42,750 and up

NOTE: CONDENSER C-13 & RESISTOR R-5 ADDED AFTER SERIAL # 4274



NOTE-AFTER SERIAL # 68,800
R-5 IS CHANGED TO R-24



THE RUDOLPH WURLITZER CO

ITEM	PART NO.	VALUE	REMARKS
RESISTORS			
R-1	21998	35,000 OHMS	-10% 1/4 WATT
R-2	22783	7,000 "	-10% 1/4 WATT
R-3	22765	12,000 "	DUAL V.C. REAR SECT.
R-4		150,000 "	DUAL V.C. PANEL SECT.
R-5	20266	75,000 "	-10% 1/4 WATT
R-6	20788	250,000 "	-20% 1/4 "
R-7	20755	65 "	-5% 1/4 "
R-8	22523	2,000 "	-5% 1 "
R-9	20728	250,000 "	-20% 1/4 "
R-10	22755	65 "	-5% 1/4 "
R-11	20728	250,000 "	-20% 1/4 "
R-12	21939	50,000 "	-10% 1/4 "
R-13		550 "	VOLTAGE DIVIDER
R-14		3,915 "	" "
R-15	22766	1,385 "	" "
R-16		1,575 "	" "
R-17		2,500 "	" "
R-18	22750	800 "	-10% 1/2 WATT
R-19	21619	2,300 "	-10% 10 "
R-20	21447	50,000 "	-10% 1/2 "
R-21	20855	150,000 "	-10% 1/4 "
R-22	22526	20,000 "	-10% 1/4 "
R-23	20445	20 "	HUM CONTROL
R-24	20855	150,000 "	-10% 1/4 WATT
CONDENSERS			
C-1	22502	.004 MFD	-10% MICA
C-2	20665	.25 "	-10% 200 VOLTS
C-3	22753	.006 "	-10% 400 "
C-4	21993	.05 "	-20% 400 "
C-5	22759	.0001 "	-10% MICA
C-6	22758	.001 "	-10% "
C-7	22241	.002 "	-10% -20% MICA
C-8	21736	.1 "	-20% 400 VOLTS
C-9	22754	12. "	150 WORKING VOLTS
C-10	22754	12. "	150 " "
C-11	21736	.1 "	-20% 400 VOLTS
C-12	22754	12 "	150 WORKING VOLTS
C-13	21720	25 "	450 " "
C-14	22325	6 "	500 " "
C-15		4 "	600 " "
C-16	22774	.2 "	-10% 200 VOLTS

TRANSFORMERS

T-1	21549
T-2	22764
T-3	22760

POWER
AUDIO INPUT
AUDIO OUTPUT

CHOKES

L-1	21693
L-2	21550
L-3	21693

AIR CORE
POWER FILTER
AIR CORE

VOLTAGES AND CURRENTS OF MODEL #661 AMPLIFIER.
ALL MEASUREMENTS MADE WITH 115-VOLT LINE VOLTAGE. ALL VOLTAGES MEASURED WITH 1000-OHM PER VOLT METER.

AVERAGE PLATE VOLTAGE MEASURED FROM
PLATE TO FILAMENT -:

OUTPUT	-45	290-VOLTS D.C.
DRIVER	-45	230-VOLTS D.C.
	-30	140-VOLTS D.C.
	-30	80-VOLTS D.C.

AVERAGE PLATE CURRENT:*

OUTPUT	-45	34.0	M.A.	D.C.
DRIVER	-45	32.0	" "	" "
	-30	3.2	" "	" "
	-30	2.8	" "	" "

AVERAGE GRID VOLTAGE MEASURED
FROM GRID - TO FILAMENT

OUTPUT	-45	59-VOLTS D.C.
DRIVER	-45	32-VOLTS D.C.

AVERAGE FILAMENT VOLTAGE:-

RECTIFIER	-5Z3	5.0-VOLTS A.C.
OUTPUT	-45	2.5-VOLTS A.C.
DRIVER	-45	2.5-VOLTS A.C.
	-30	2.0-VOLTS D.C.

600-OHM SPEAKER FIELD VOLTAGE MEASURED FROM #1
CONTACT TO #7 CONTACT ON SPEAKER SOCKET, 78
VOLTS D.C.

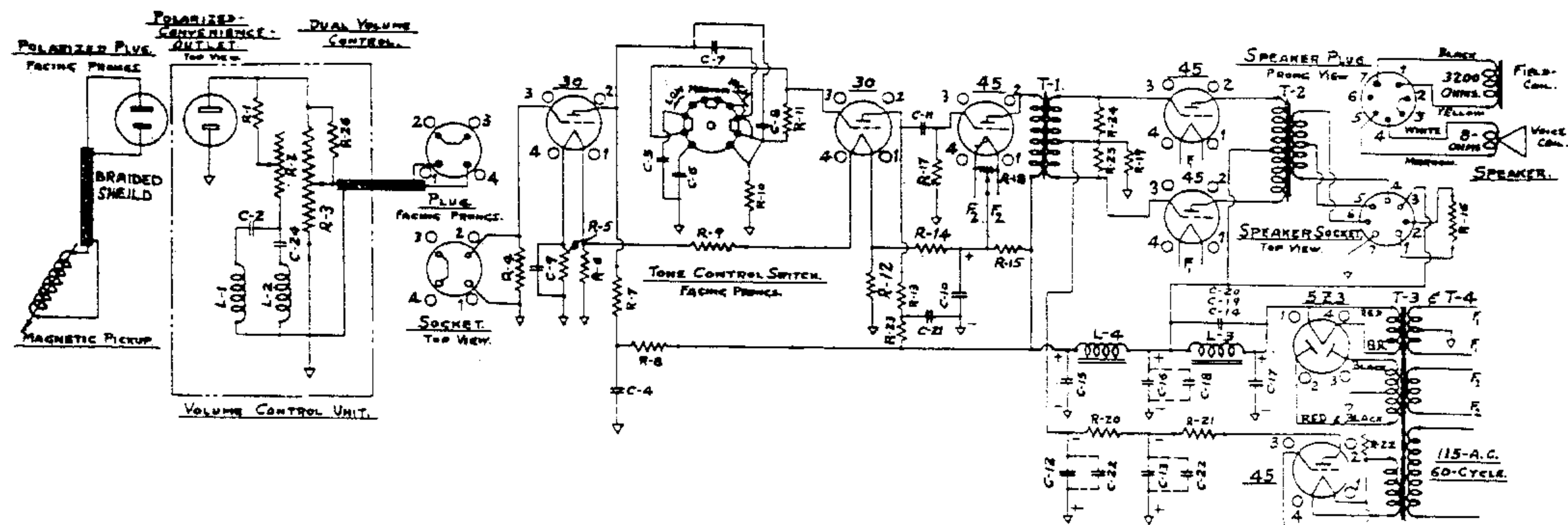
2500-OHM AUXILIARY SPEAKER FIELD VOLTAGE MEASURED FROM #1 CONTACT TO #3 CONTACT ON SPEAKER
SOCKET, 162 VOLTS D.C.

MODEL 312, 412
SERIAL 42,750 and up

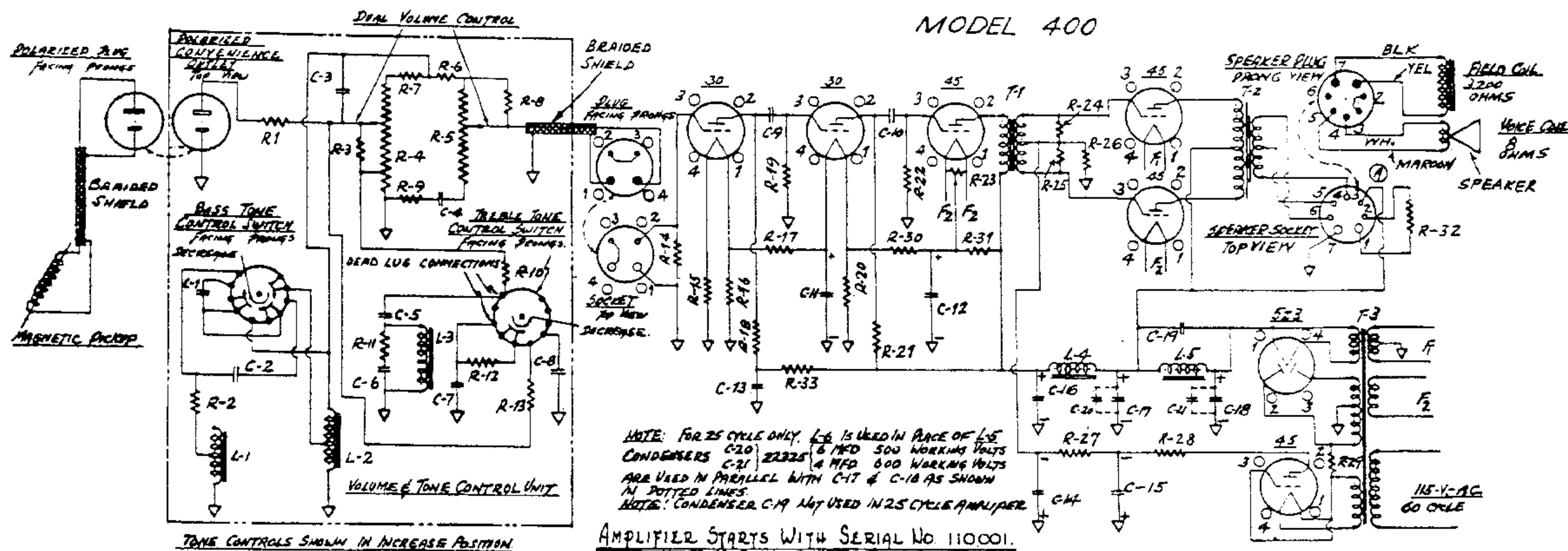
THE RUDOLPH WURLITZER CO.

PA PAGE 121 WURLITZER

MODELS 316, 416, 616, 616 A & 716



MODEL 400



THE RUDOLPH WURLITZER CO.
MODELS 316, 416, 616, 616A, 716
MODEL 400

ITEM	PART NO.	VALUE	REMARKS	CHOKES	CHOKE COIL
RESISTORS					
R-1	22530	1,000 OHMS	-10% 1/4 WATT	L-1 21693	540 - M. H.
R-2	22765	12,000	-15% VOLUME CONTROL	L-2 24305	290 " "
R-3		150,000	-15% " "	L-3 21550	8.75 HENRIES
R-4	20750	500,000	-20% 1/4 WATT	L-4 23017	2 " "
R-5	22354	65	- 5% 1/2 " "		
R-6	22323	2,000	-10% 1 " "	TRANSFORMERS	
R-7	21938	100,000	-10% 1/4 " "	T-1 21548	AUDIO INPUT
R-8	21939	50,000	-10% 1/4 " "	T-2 23019	AUDIO OUTPUT
R-9	23014	100	- 5% 1/2 " "	T-3 24527	60 - CYCLE POWER
R-10	20750	500,000	-20% 1/4 " "	T-4 24526	25 - CYCLE POWER
R-11	20266	75,000	-10% 1/4 " "		
R-12	22323	2,000	-10% 1 " "	VOLTAGES AND CURRENTS OF MODEL - #771 - AMPLIFIER. ALL	
R-13	23208	60,000	-10% 1/2 " "	MEASUREMENTS MADE WITH LINE VOLTAGE 115 - VOLTS. ALL	
R-14		575	BLEEDER 4 " "	VOLTAGES MEASURED WITH 1,000 OHMS PER VOLT VOLTMETER.	
R-15	23015	9,000	" 30 " "	AVERAGE PLATE VOLTAGE MEASURED FROM	
R-16		2,500	" 33 " "	PLATE TO CHASSIS -	
R-17	20728	250,000	-20% 1/4 " "	OUTPUT - 45	355 - VOLTS D.C.
R-18	20445	20	HUM CONTROL	DRIVER - 45	#27 - VOLTS D.C.
R-19	23012	5,000	- 5% 10 WATT	- 30	175 - VOLTS D.C.
R-20	23011	2,000	- 5% 10 " "	- 30	80 - VOLTS D.C.
R-21	23011	2,000	- 5% 10 " "		
R-22	23013	3,500	- 5% 10 " "	AVERAGE PLATE CURRENT:-	
R-23	23084	25,000	-10% 1/4 " "	OUTPUT - 45	28.0 - M.A. D.C.
R-24	26358	7,000	-10% 1/2 " "	DRIVER - 45	38.0 - " " " "
R-25	26358	7,000	-10% 1/2 " "	- 30	2.1 - " " " "
R-26	21939	50,000	-10% 1/4 " "	- 30	1.5 - " " " "
CONDENSERS					
C-1	C			AVERAGE GRID VOLTAGE MEASURED FROM GRID	
C-2	20665	.25 MFD	-10% 200 VOLT	TO FILAMENT	
C-3				OUTPUT - 45	87 - VOLTS D.C.
C-4	24321	2.	450 VOLT	DRIVER - 45	40 - " " " "
C-5	24280	.00075	-10%-20% MICA	AVERAGE FILAMENT VOLTAGE:-	
C-6	22241	.002	-10% " "	RECTIFIER 523	5.0 - VOLTS A.C.
C-7	21993	.05	-20% 400 VOLT	OUTPUT - 45	2.5 - " " " "
C-8	26560	.004	-10% 600 " "	DRIVER - 45	2.5 - " " " "
C-9	24279	10.	" 25 " "	- 30	2.1 - " D.C.
C-10	24775	25.	" 150 " "	AVERAGE VOLTAGES ACROSS SPEAKER FIELDS AND ELECTROLYTIC CONDENSERS	
C-11	21736	.1	-20% 400 " "	3,200 - OHM SPEAKER FIELD VOLTAGE MEASURED FROM #1 - CONTACT TO # 7	
C-12		8.	" 150 " "	CONTACT ON SPEAKER SOCKET 205 - VOLTS D.C.	
C-13	23021	8.	" 150 " "	2,500 - OHM AUXILIARY SPEAKER FIELD VOLTAGE MEASURED FROM #1 -	
C-14	20665	.25	FOR 60 - CYCLE	CONTACT TO #3 CONTACT ON SPEAKER SOCKET 155 - VOLTS D.C.	
C-15	21720	25	450 VOLT	C-17 ELECTROLYTIC	385 - VOLTS D.C.
C-16	22325	6	500 " "	C-16 "	360 - " " " "
C-17		4.	600 " "	C-15 "	355 - " " " "
C-18	21720	25.	FOR 25 40 - CYCLE	FROM RECTIFIER - 45 PLATE -	
C-19	24363	1.	FOR 25 - 30 " "	TO CHASSIS 150- VOLTS D.C.	
C-20	24364	.5	FOR 40 - CYCLE		
C-21	24321	2.	450 VOLT		
C-22	23021	8 - 8	FOR 25 - 30 CYCLE		
C-23					
C-24	22241	.002 MFD	-10% MICA		

ITEM	PART NO.	VALUE	REMARKS
RESISTORS			
R-1	22529	2,000 OHMS	-10% 1/4 WATT
R-2	21999	800 "	-10% 1/4 "
R-3	20267	15,000 "	-10% 1/4 "
R-4	23215	100,000 "	-15% VOLUME CONTROL
R-5	23208	150,000 "	-15% "
R-6	21938	60,000 "	-10% 1/2 WATT
R-7	20750	100,000 "	-10% 1/4 "
R-8	22529	500,000 "	-20% 1/4 "
R-9	20787	2,000 "	-10% 1/4 "
R-10	20787	5,000 "	-10% 1/4 "
R-11	20704	5,000 "	-10% 1/4 "
R-12	20704	3,500 "	-10% 1/4 "
R-13	20704	3,500 "	-10% 1/4 "
R-14	20750	500,000 "	-10% 1/4 "
R-15	22354	65 "	- 5% 1/2 "
R-16	22323	2,000 "	- 5% 1 "
R-17	23014	100 "	- 5% 1/2 "
R-18	21938	100,000 "	-10% 1/4 "
R-19	20728	250,000 "	-20% 1/4 "
R-20	22323	2,000 "	- 5% 1 "
R-21	23204	60,000 "	-10% 1/2 "
R-22	20855	150,000 "	-10% 1/4 "
R-23	20445	20 "	HUM CONTROL
R-24	22322	25,000 "	-10% 1/2 WATT
R-25	22322	25,000 "	-10% 1/2 "
R-26	23012	5,000 "	- 5% 10 "
R-27	23011	2,000 "	- 5% 10 "
R-28	23011	2,000 "	- 5% 10 "
R-29	23013	3,500 "	-10% 10 "
R-30		575 "	BLEEDER 4 "
R-31	23015	9,000 "	" 30 "
R-32		2,500 "	" 33 "
R-33	20266	75,000 "	10% 1/4 "

CONDENSERS			
C-1	21990	.25 MFD	-10% 200 VOLT
C-2	22535	.75 "	-10% 20% 200 VOLT
C-3	23221	.18 "	-10% 200 VOLT
C-4	22544	.15 "	-10% 200 "
C-5	22544	.15 "	-10% 200 "
C-6	22589	.0025 "	-10% "
C-7	22532	.004 "	-10% "
C-8	22534	.015 "	-10% 200 VOLT
C-9	21993	.05 "	-20% 400 "
C-10	21736	.1 "	-20% 400 "
C-11	23010	10 "	25 "
C-12	23009	12 "	150 "
C-13	20775	.5 "	-25% 400 "
C-14	23021	8 "	150 "
C-15		8 "	150 "
C-16		25 "	450 "
C-17	23020	6 "	500 "
C-18		4 "	600 "
C-19	22121	1.25 "	-10% 200 "

CHOKES

L-1	22514	CHOKE TONE CONTROL
L-2	223216	RESISTOR TONE CONTROL
L-3	23217	CHOKE ASSEMBLY
L-4	23018	#2 FILTER CHOKE
L-5	23017	#1 FILTER CHOKE
L-6	23746	CHOKE

TRANSFORMERS

T-1	21548	AUDIO INPUT
T-2	23014	AUDIO OUTPUT
T-3	23016	POWER TRANSFORMER

VOLTAGES AND CURRENTS OF MODEL #671-AMPLIFIER. ALL MEASUREMENTS MADE WITH LINE VOLTAGE 115-VOLTS. ALL VOLTAGES MEASURED WITH 1,000-OHMS PER VOLT VOLTMETER

AVERAGE PLATE VOLTAGE MEASURED FROM PLATE TO CHASSIS-

OUTPUT	-45	355-VOLTS D.C.
DRIVER	-45	327-VOLTS D.C.
	-30	175-VOLTS D.C.
	-30	80-VOLTS D.C.

AVERAGE PLATE CURRENT:-

OUTPUT	-45	28.0-M.A. D.C.
DRIVER	-45	38.0-M.A. D.C.
	-30	2.1- M.A.D.C.
	-30	1.5-M.A. D.C.

AVERAGE GRID VOLTAGE MEASURED FROM GRID TO FILAMENT

OUTPUT	-45	87 VOLTS D.C.
DRIVER	-45	40 VOLTS D.C.

AVERAGE FILAMENT VOLTAGE:-

RECTIFIER	5Z3	5.0 VOLTS A.C.
OUTPUT	-45	2.5 VOLTS A.C.
DRIVER	-45	2.5 VOLTS A.C.
	-30	2.1 VOLTS D.C.

AVERAGE VOLTAGES ACROSS SPEAKER FIELDS AND ELECTROLYTIC CONDENSERS.
3200-OHM SPEAKER FIELD VOLTAGE MEASURED FROM #1-CONTACT TO #7-CONTACT ON SPEAKER SOCKET 205-VOLTS D.C.

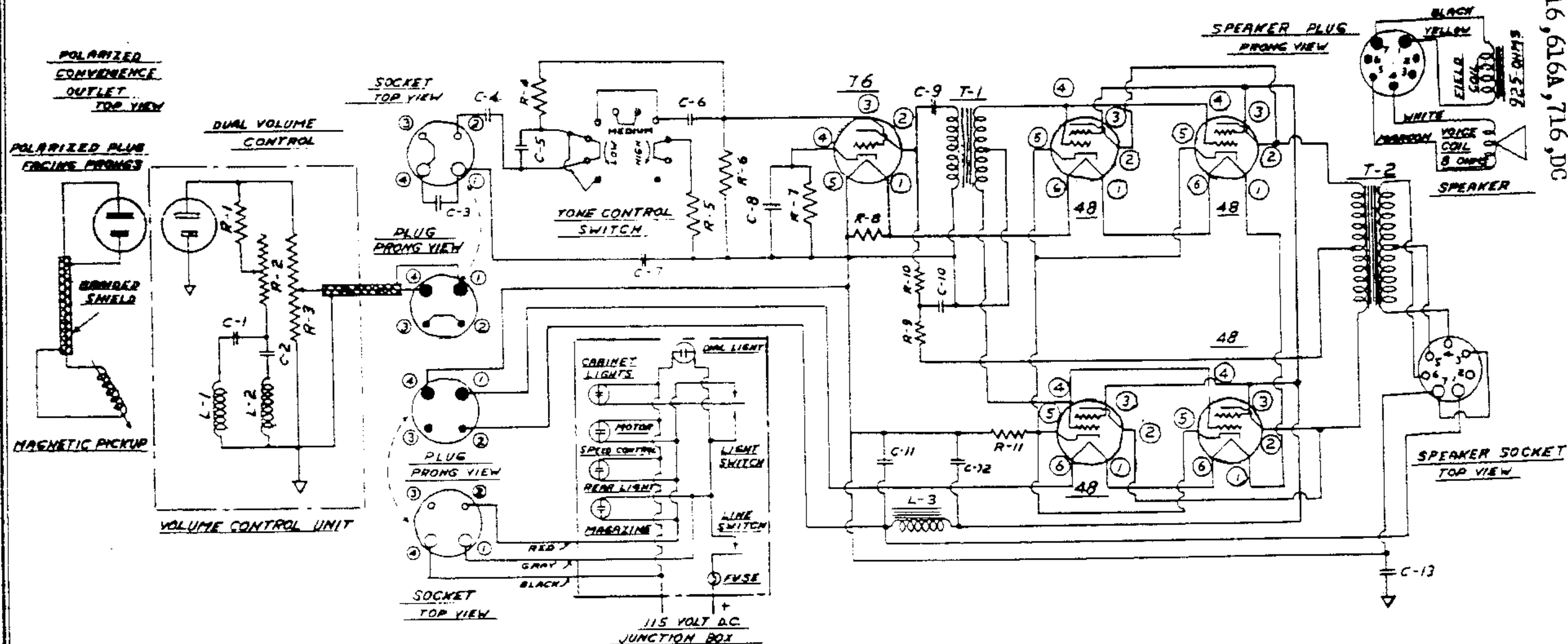
2500-OHM AUXILIARY SPEAKER FIELD VOLTAGE MEASURED FROM #1-CONTACT TO #3 CONTACT ON SPEAKER SOCKET 155-VOLTS D.C.

C-18	ELECTROLYTIC	385-VOLTS D.C.
C-17	ELECTROLYTIC	360-VOLTS D.C.
C-16	ELECTROLYTIC	355-VOLTS D.C.

FROM RECTIFIER - 45PLATE - TO CHASSIS 150-VOLTS D.C.

MODELS 316, 416,
616, 616A, 716, DC

THE RUDOLPH WURLITZER CO.



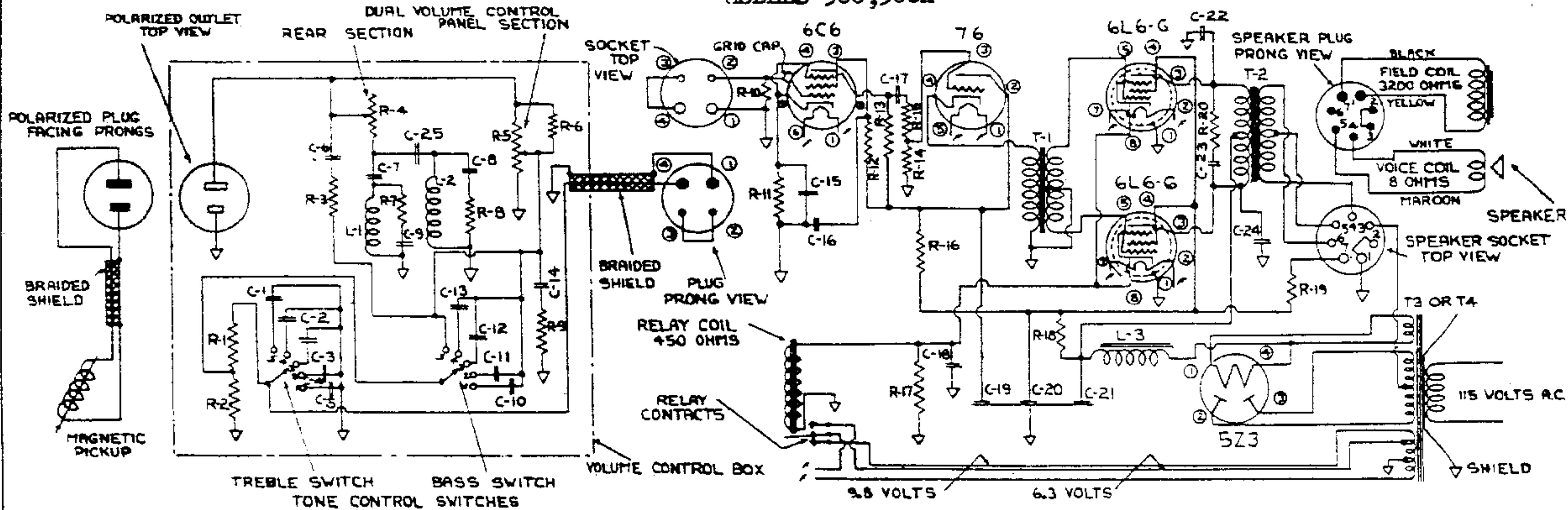
ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
RESISTORS															
R-1	22530	1000 OHM	±10% 1/4 WATT	R-11	22851	63 OHM	±5% 10 WATT	C-4	24329	.1 - MFD.	±10% 200-W.VOLTS				
R-2	26378	7500 OHM	DUAL V.C. REAR SECT.					C-5	26372	.0075 - MFD.	±10% 200-W.VOLTS				
R-3		150000 OHM	DUAL V.C. PANEL SECT.					C-6	26372	.0075 - MFD.	±10% 200-W.VOLTS				
R-4	21939	50000 OHM	±10% 1/4 - WATT					C-7	24363	1.0 - MFD.	±10% 200-W.VOLTS				
R-5	21998	35000 OHM	±10% 1/4 - WATT					C-8	24279	10 - MFD.	ELEC. 25-W.VOLTS	L-1	24305	290-MILLIHENRIES	AIR CORE
R-6	20855	150000 OHM	±10% 1/4 - WATT					C-9	21736	.1 - MFD.	±20% 400-W.VOLTS	L-2	21693	540-MILLIHENRIES	AIR CORE
R-7	22529	2000 OHM	±10% 1/4 - WATT					C-10	22535	.75 - MFD.	±10% 200 W.VOLTS	L-3	22866	1.35 - HENRIES	POWER FILTER
R-8	22851	63 OHM	±5% 10 - WATT	CONDENSERS				C-11	22865	2.0 - MFD.	200 W.VOLTS	TRANSFORMERS			
R-9	21997	50000 OHM	±10% 1/2 - WATT	C-1	22241	.002 - MFD.	±10% MICA	C-12		1.0 - MFD.	200 W.VOLTS	T-1	22867	AUDIO	INPUT
R-10	21938	100,000 OHM	±10% 1/4 - WATT	C-2	20665	.25 - MFD.	±10% 200 W. VOLTS	C-13	21736	.1 - MFD.	±20% 400 W.VOLTS	T-2	22864	AUDIO	OUTPUT
				C-3	22241	.002 - MFD.	±10% MICA								

VOLTAGES AND CURRENTS OF MODEL #751 AMPLIFIER. ALL MEASUREMENTS MADE WITH LINE VOLTAGE 115 VOLTS D.C.

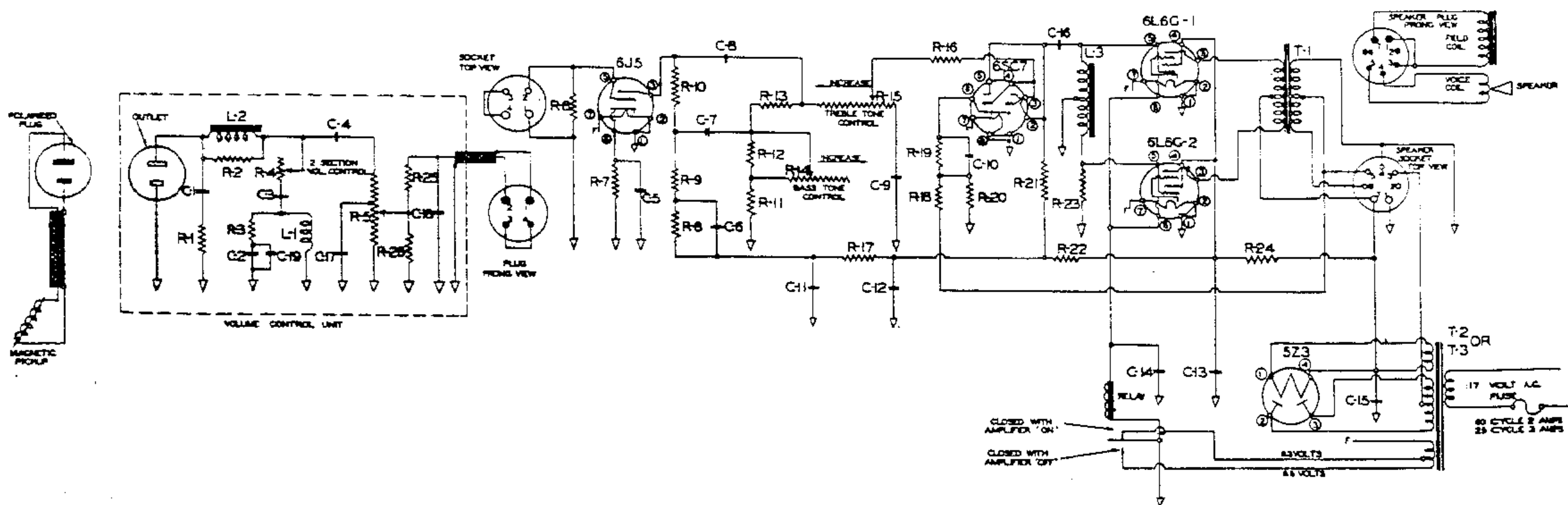
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER

AVERAGE PLATE VOLTAGE MEASURED FROM	AVERAGE PLATE CURRENT	AVERAGE BIAS VOLTAGE MEASURED	AVERAGE FILAMENT VOLTAGES:-
PLATE + TO CONTACT - #7 ON SPEAKER SOCKET	- 48 48.0 - MA	FROM CATHODE OF TUBE TO #7-CONTACT	- 48 27.5-VOLTS D.C.
- 48 110-VOLTS D.C.	- 76 .6 - M.A.	ON SPEAKER SOCKET	- 76 6.1-VOLTS D.C.
- 76 20-VOLTS D.C.		- 48 16.0-VOLTS D.C.	
		- 76 1.0-VOLT D.C.	

MODELS 500, 500A



MODEL 950



ITEM	PART NO.	VALUE	REMARKS
RESISTORS			
R-1	20267	15,000 OHMS	- 5% 1/4 WATT
R-2	31152	200,000 "	- 5% 1/4 "
R-3	31146	60,000 "	- 5% 1/4 "
R-4	26378	7,500 "	- 15% DUAL VOL. CONTROL
R-5	150,000	"	- 15% "
R-6	31146	60,000 "	- 5% 1/4 WATT
R-7	31144	1,000 "	- 5% 1/4 "
R-8	31151	500 "	- 5% 1/4 "
R-9	31153	82,000 "	- 5% 1/4 "
R-10	21841	2,000,000 "	- 10% 1/4 "
R-11	28150	600 "	- 5% 1/4 "
R-12	25575	200,000 "	- 10% 1/4 "
R-13	23208	60,000 "	- 10% 1/2 "
R-14	20703	300,000 "	- 10% 1/4 "
R-15	25575	200,000 "	- 10% 1/4 "
R-16	28147	10,000 "	- 10% 1 "
R-17	28146	390 "	- 5% 3 "
R-18	28133	950 OHMS BLEEDER	- 5% 20 "
R-19		1500 OHMS BLEEDER	- 5% 25 "
R-20	28148	18,000 OHMS	- 10% 1 "
CONDENSERS			
C-1	22759	.0001 MFD	- 10% MICA
C-2	20865	.0015 "	- 10% "
C-3	31147	.0035 "	- 10% "
C-4	31148	.006 "	- 10% 200 VOLTS
C-5	28143	.01 "	- 10% 200 VOLTS
C-6	31150	.05 "	- 10% 200 VOLTS
C-7	22241	.002 "	- 10% MICA
C-8	22753	.006 "	- 10% 400 VOLTS
C-9	25680	.008 "	- 10% 2200 VOLTS
C-10	31149	.004 "	- 10% 200 VOLTS
C-11	31148	.006 "	- 10% 200 VOLTS
C-12	22534	.015 "	- 10% 200 VOLTS
C-13	31150	.05 "	- 10% 200 VOLTS
C-14	22531	.003 "	- 10% MICA
C-15	28141	25 "	- 10% 25 VOLTS
C-16	28211	.25 "	- 10% 400 "
C-17	28142	.03 "	- 10% 400 "
C-18	28139	16 "	50 "
C-19		4 "	350 "
C-20	28138	20 "	450 "
C-21		8 "	500 "
C-22	28924	.00035 "	- 10% 1000 "
C-23	28145	.006 "	- 10% 600 "
C-24	28924	.00035 "	- 10% 1000 "
C-25	28123	.3 "	- 10% 120 "

CHOKES			
L-1	25598	290 M.H.	CHOKE COIL-AIR CORE
L-2	28526	400 " "	CHOKE COIL-AIR CORE
L-3	28137	4.1 HENRIES-15%	POWER FILTER CHOKE

TRANSFORMERS			
T-1	28136		AUDIO INPUT
T-2	28135		AUDIO OUTPUT
T-3	28134	60 CYCLE	POWER
T-4	28470	25 CYCLE	POWER

VOLTAGES AND CURRENTS OF MODEL #854 AMPLIFIER.
ALL MEASUREMENTS MADE WITH LINE VOLTAGE 115 VOLTS
25 CYCLE OR 60 CYCLE A.C.
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER

AVERAGE PLATE VOLTAGE MEASURED FROM			
PLATE TO CHASSIS			
6L6-G	PLATE TO CHASSIS	400 VOLTS	D.C.
76	PLATE TO CHASSIS	220 VOLTS	D.C.
6C6	PLATE TO CHASSIS	65 VOLTS	D.C.

AVERAGE PLATE CURRENT			
6L6-G	PLATE CURRENT	5.1 MA	D.C.
76	PLATE CURRENT	6.5 MA	D.C.
6C6	PLATE CURRENT	2.5 MA	D.C.

AVERAGE D.C. VOLTAGES			
ACROSS	5Z3 FILAMENT & GROUND	420 VOLTS	D.C.
ACROSS	C-21	405 VOLTS	D.C.
ACROSS	C-20	325 VOLTS	D.C.
ACROSS	C-18	24 VOLTS	D.C.
ACROSS	C-15	67 VOLTS	D.C.

AVERAGE FILAMENT VOLTAGES			
6L6-G	FILAMENT VOLTAGE	- 6.3 VOLTS	A.C.
76	FILAMENT VOLTAGE	- 6.3 VOLTS	A.C.
6C6	FILAMENT VOLTAGE	- 6.3 VOLTS	A.C.
THESE FIL. VOLTAGES ARE 9.8 VOLTS FOR ACCELERATED CATHODE HEATING WHEN FILAMENTS ARE COOL.			
5Z3	FILAMENT VOLTAGE	- 5.0 VOLTS	A.C.

SPEAKER FIELD - 3200 OHMS BETWEEN TERMINALS 1 & 7
ON SPEAKER SOCKET - 220 VOLTS D.C.

ITEM	PART NO.	VALUE	REMARKS
RESISTORS			
R-1	36477	4,700 OHMS	-10% 1/3 WATT
R-2	44195	18,000 "	" " "
R-3	22529	2,000 "	" " "
R-4	44196	7,500 "	VOL CON REAR
R-5	44196	150,000 "	" " FRONT
R-6	35924	560,000 "	-10% 1/3 WATT
R-7	36324	3,300 "	" " "
R-8	22528	220,000 "	" " "
R-9	37370	8,200 "	" " "
R-10	36441	22,000 "	" " "
R-11	37446	339,000 "	" " "
R-12	28383	1,000,000 "	" " "
R-13	40226	33,000 "	" " "
R-14	40607	1,000,000 "	TONE CON BASS
R-15	40227	250,000 "	" " TREBLE
R-16	37446	39,000 "	-10% 1/3 WATT
R-17	21200	10,000 "	" " "
R-18	40229	5,100 "	- 5% 1/2 "
R-19	40225	910 "	" " 1/3 "
R-20	40224	130 "	" " "
R-21	36326	56,000 "	-10% " " "
R-22	37370	8,200 "	" " " "
R-23	35925	82,000 "	" " " "
R-24	40223	100 "	" " 1 " "
R-25	21200	10,000 "	" " 1/3 " "
R-26	20855	150,000 "	" " " "

RELAY
40144 130 OHMS S.P.D.T.

CONDENSERS			
C-1	36320	.003 MFD	-10% 600 WV
C-2	25680	.008 "	" " "
C-3	28123	.3 "	" " 120 "
C-4	22545	.03 "	" " 200 "
C-5	36432	20 "	100%-10% 25 "
C-6	22545	.03 "	-10% 200 "
C-7	28145	.006 "	" " 600 "
C-8	36440	.00075 MFD	" " " "
C-9	36440	.00075 "	" " " "
C-10	36432	20 "	100%-10% 25 "
C-11	36469	8 "	" " 350 "
C-12	40149	20 "	" " 350 "
C-13	40149	40 "	" " 400 "
C-14	40149	20 "	" " 25 "
C-15	40150	50 "	50% " 400 "
C-16	38548	.25 "	-10% 400 "
C-17	40283	.0035 "	" " 600 "
C-18	36472	.001 "	" " 600 "
C-19	23052	.005 "	" " " "

ITEM	PART NO.	VALUE	REMARKS
TRANSFORMERS			
T-1	40146		OUTPUT
T-2	40147	50-60 CYCLES	POWER (501)
T-2	43451	" " "	" (501A)
T-3	40243	25 "	" (501)
T-3	43467	" " "	" (501A)
CHOKES			
L-1	41337	200 M.H.	COIL
L-2	37185	920 "	"
L-3	40145		INPUT

VOLTAGE & CURRENTS OF MODELS 501-501A - 502 -502A AMPLIFIERS.
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER.

ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLES.
FOR VOLTAGES OVER 50 USE 500 VOLT SCALE.

AVERAGE PLATE & SCREEN VOLTAGE MEASURED TO CHASSIS

6L6G	PLATE	310 VOLTS	D.C.
6L6G	SCREEN	315 "	" "
6SC7	PLATE	170 "	" "
6J5	PLATE	70 "	" "

AVERAGE PLATE CURRENT

6L6G	68	M.A.	D.C.
6SC7	1.8	" "	" "
6J5	.5	" "	" "

AVERAGE VOLTAGE ACROSS CONDENSERS

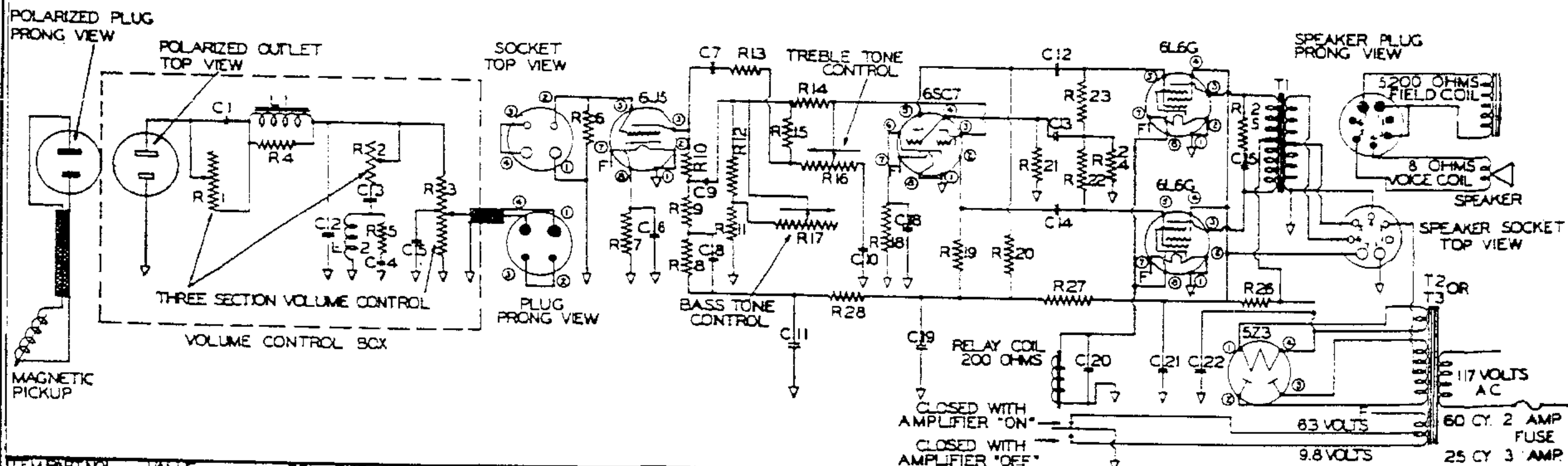
C-15	320	VOLTS	D.C.
C-14	20	"	" "
C-13	315	"	" "
C-12	290	"	" "
C-11	275	"	" "

AVERAGE FILAMENT VOLTAGE

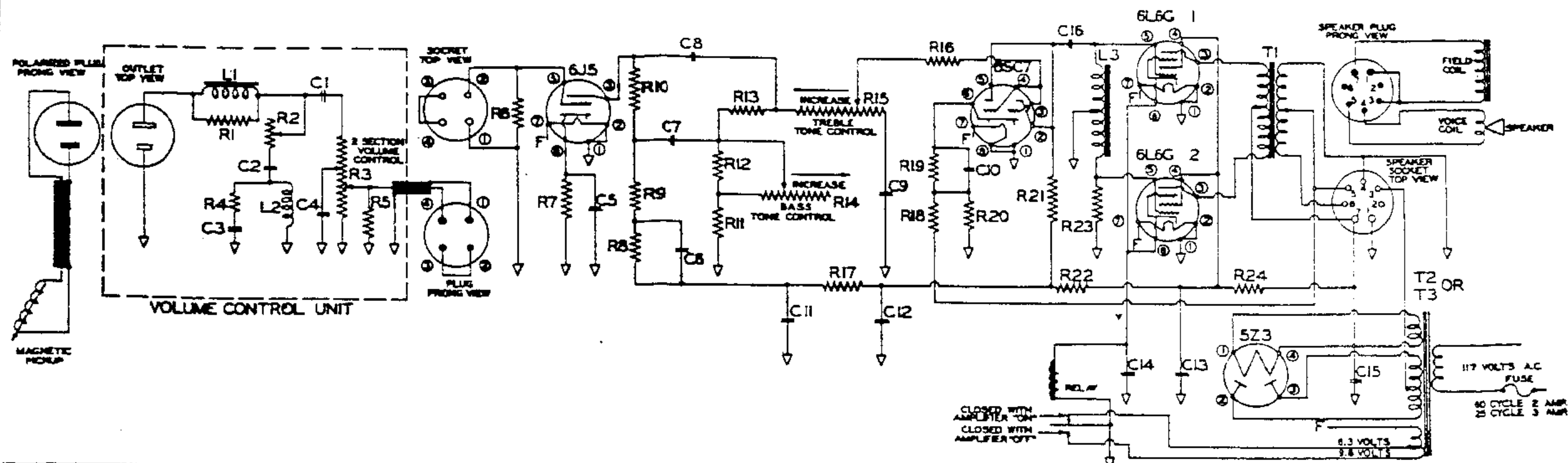
6L6G	6.3	VOLTS	A.C.
6SC7	6.3	"	" "
6J5	6.3	"	" "

FILAMENT VOLTAGES ARE 9.3 FOR ACCELERATED
CATHODE HEATING WHEN FILAMENTS ARE COOL
5Z3 5. VOLTS A.C.

SPEAKER FIELD RESISTANCE 5200 OHMS. VOICE COIL 8 OHMS
320 VOLTS D.C. BETWEEN TERMINALS 1 & 7 OF SPEAKER SOCKET.

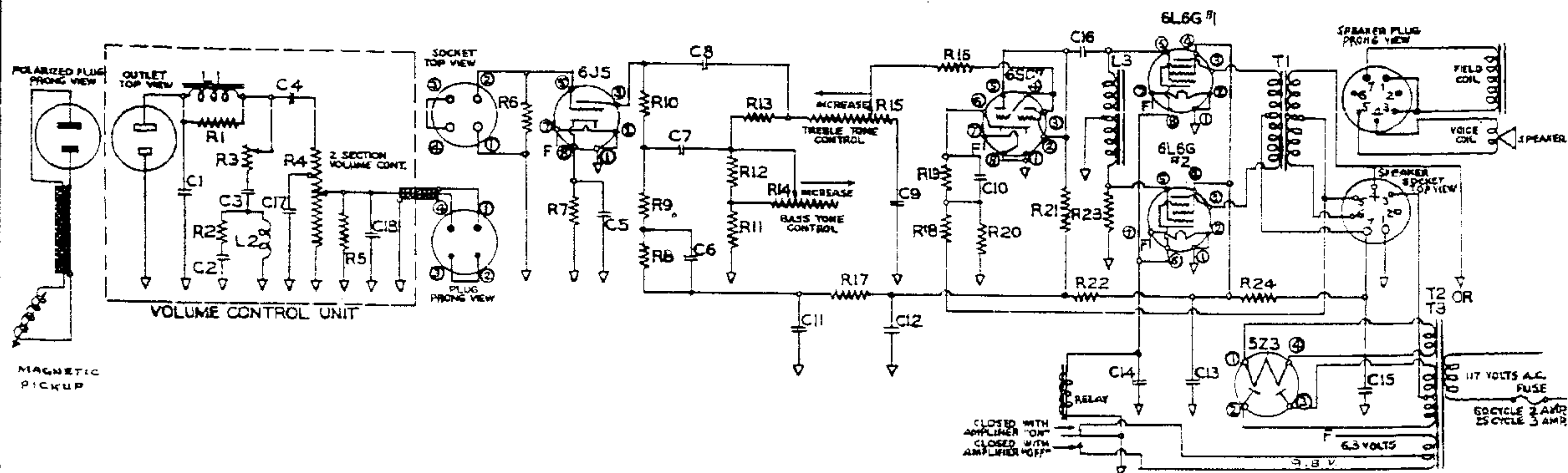


ITEM PART NO.		VALUE	REMARKS	ITEM PART NO.	VALUE	REMARKS	ITEM PART NO.	VALUE	REMARKS	ITEM PART NO.	VALUE	REMARKS					
RESISTORS				RESISTORS				CONDENSERS				CONDENSERS					
R 1	10,000 OHMS	VOL. CON. REAR	R 17	36436	1,000,000 OHMS	TONE CON. BASS	C 1	22544	.5	MFD ±10 %	200 WV						
R 2	37052	4,000 OHMS	VOL. CON. CENTER	R 18	36325	1,200 OHMS	±0 % 1/2 WATT	C 2	36320	.003	MFD ±10 %	600 WV	C 18	20.	MFD	25 WV	
R 3	150,000 OHMS	VOL. CON. PANEL	R 19	21938	100,000 OHMS	±0 % 1/2 WATT	C 3	37053	.4	MFD ±10 %	200 WV	C 19	36439	20.	MFD	300 WV	
R 4	30994	20,000 OHMS ±5 %	1/2 WATT	R 20	21938	100,000 OHMS ±0 %	1/2 WATT	C 4	25680	.008	MFD ±10 %	600 WV	C 20	20.	MFD	25 WV	
R 5	22588	3,000 OHMS ±5 %	1/2 WATT	R 21	35924	560,000 OHMS ±0 %	1/2 WATT	C 5	34126	.0025	MFD ±10 %	200 WV	C 21	20.	MFD	350 WV	
R 6	35924	560,000 OHMS ±0 %	1/2 WATT	R 22	35925	82,000 OHMS ±0 %	1/2 WATT	C 6	36432	20.	MFD	25 WV	C 22	36438	30.	MFD	500 WV
R 7	36324	3,300 OHMS ±0 %	1/2 WATT	R 23	35925	82,000 OHMS ±0 %	1/2 WATT	C 7	36318	.00025	MFD ±10 %	600 WV					
R 8	20885	150,000 OHMS ±0 %	1/2 WATT	R 24	36442	68,000 OHMS ±0 %	1/2 WATT	C 8	31150	.05	MFD ±10 %	200 WV					
R 9	36443	6,800 OHMS ±0 %	1/2 WATT	R 25	25574	15,000 OHMS ±0 %	1 WATT	C 9	22850	.01	MFD ±10 %	400 WV					
R 10	36326	56,000 OHMS ±0 %	1/2 WATT	R 26	36430	1,375 OHMS	1/2 WATT	C 10	35930	.0005	MFD ±10 %	600 WV					
R 11	36442	68,000 OHMS ±0 %	1/2 WATT	R 27	36441	22,000 OHMS ±0 %	1/2 WATT	C 11	36469	.8	MFD	350 WV	L 1	37051	475 MILLI HENRIES	COIL	
R 12	28383	1,000,000 OHMS ±0 %	1/2 WATT	R 28	21200	0.000 OHMS ±0 %	3 WATT	C 12	36431	.075	MFD ±10 %	400 WV	L 2	35933	250 MILLI HENRIES	COIL	
R 13	36325	270,000 OHMS ±0 %	1/2 WATT					C 13	22850	.01	MFD ±10 %	400 WV					
R 14	35924	560,000 OHMS ±0 %	1/2 WATT					C 14	36431	.075	MFD ±10 %	400 WV					
R 15	36326	56,000 OHMS ±0 %	1/2 WATT					C 15	35989	.006	MFD ±10 %	1200 WV					
R 16	36435	750,000 OHMS	TONE CON. TREBLE														
VOLTAGES & CURRENTS OF MODEL 700 AMPLIFIER																	
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER																	
ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLE																	
AVERAGE PLATE & SCREEN VOLTAGE																	
AVERAGE PLATE CURRENT																	
AVERAGE DC VOLTAGES ACROSS CONDENSERS																	
AVERAGE FILAMENT VOLTAGES																	
MEASURED TO CHASSIS				6L6G PLATE CURRENT 54. MA. DC.				C 22 396. VOLTS DC.				6L6G FILAMENT VOLTAGE 63 VOLTS A.C.					
6L6G PLATE 390 VOLTS DC-SCRN 308 VOLTS DC				6SC7 PLATE CURRENT .8 MA. DC.				C 21 307. VOLTS DC.				6SC7 FILAMENT VOLTAGE 63 VOLTS A.C.					
6SC7 PLATE 160 VOLTS DC				6J5 PLATE CURRENT .85 MA. DC.				C 20 23.5 VOLTS DC.				6J5 FILAMENT VOLTAGE 63 VOLTS A.C.					
6J5 PLATE 37 VOLTS DC								C 19 248. VOLTS DC.				FIL. VOLTAGES ARE 9.8 VOLTS FOR ACCELERATED					
								C 11 237. VOLTS DC.				CATHODE HEATING WHEN FILS. ARE COOL					
SPEAKER FIELD RESISTANCE 5200 OHMS — 307 VOLTS D.C. BETWEEN TERMINALS 1 & 7 OF SPEAKER SOCKET																	
5Z3 FILAMENT VOLTAGE 5. VOLTS A.C.																	



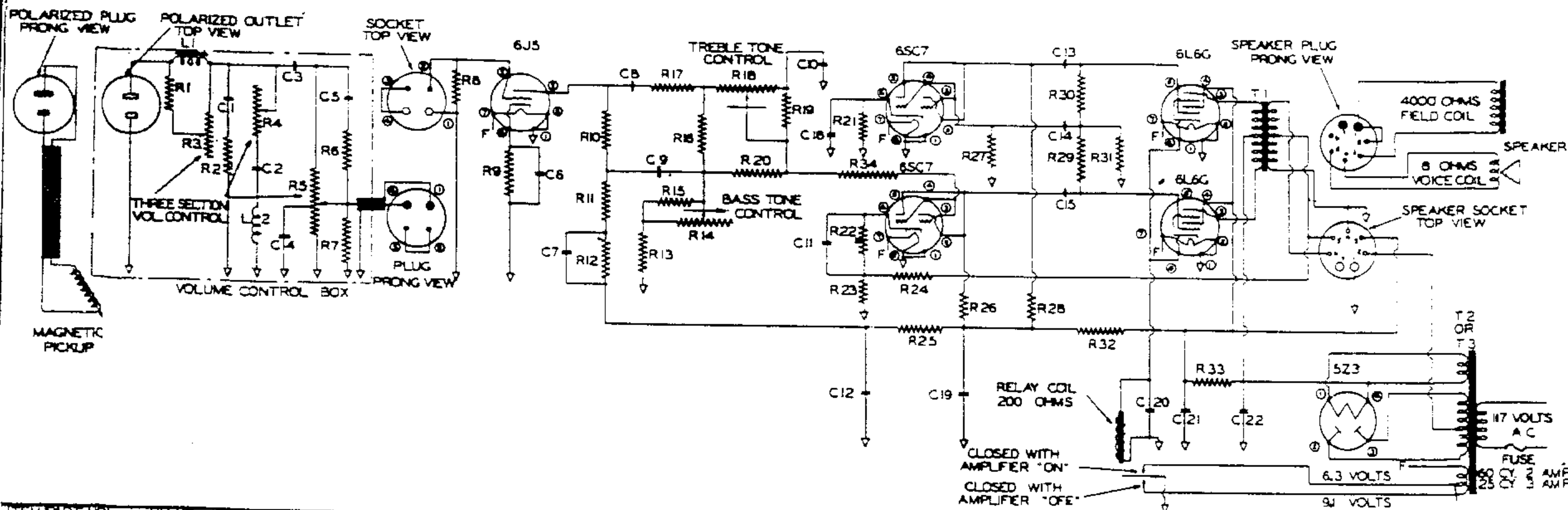
ITEM	PART	VALUE	REMARKS	ITEM	PART	VALUE	REMARKS	ITEM	PART	VALUE	REMARKS	ITEM	PART	VALUE	REMARKS
RESISTORS				RESISTORS				CONDENSERS				CONDENSERS			
R 1	40284	35000 OHMS	±10% 1/4 WATT	R 16	37446	35000 OHMS	±10% 1/4 WATT	C 1	22545	.03 MFD	±10% 200 W.V.	C 16	38548	.25 MFD	±10% 400 W.V.
R 2	40281	5000	" " " " " " " "	R 17	121200	10000	±10% 1/4 " "	C 2	28123	.3	±10% 120 " "				
R 3	40281	150000	" " " " " " " "	R 18	40229	5100	±5% 1/4 " "	C 3	28145	.005	±10% 500 " "				
R 4	22529	2000	±10% 1/4 WATT	R 19	40225	910	±5% 1/2 " "	C 4	40283	.0035	±10% 500 " "		40144	130 OHMS	S.P.D.T.
R 5	20855	150000	" " " " " " " "	R 20	40224	130	±5% 1/2 " "	C 5	36432	20	" " " " " " " "				
R 6	35924	560000	" " " " " " " "	R 21	36326	56000	±10% 1/2 " "	C 6	22545	.03	±10% 200 " "				
R 7	36324	3300	±10% 1/4 " "	R 22	37370	8200	±10% 1/2 " "	C 7	28145	.006	±10% 500 " "	L 1	37185	920 MH	COIL
R 8	22528	220000	" " " " " " " "	R 23	35924	82000	±10% 1/2 " "	C 8	36440	.00075	±10% 500 " "	L 2	37051	475 MH	COIL
R 9	37370	8200	±10% 1/2 " "	R 24	40223	100	±10% 1 " "	C 9	36440	.00075	±10% 500 " "	L 3	40145		INPUT CHORE
R 10	36441	22000	±10% 1/2 " "					C 10	36432	20	" " " " " " " "				
R 11	37246	39000	" " " " " " " "					C 11	36469	8	" " " " " " " "				
R 12	28383	1000000	" " " " " " " "					C 12		20	" " " " " " " "				
R 13	40226	33000	±10% 1/2 " "					C 13	40149	40	" " " " " " " "				
R 14	40607	1000000	" " " " " " " "					C 14		20	" " " " " " " "				
R 15	40227	250000	" " " " " " " "					C 15	40150	50	" " " " " " " "				
VOLTAGES & CURRENTS OF MODELS 501 & 502 AMPLIFIERS				ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLE				AVERAGE FILAMENT VOLTAGES							
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER				(ALL VOLTAGES OVER 50 USE 500 VOLT SCALE)				6L6G 6.3 VOLTS A.C.							
AVERAGE PLATE & SCREEN VOLTAGE				AVERAGE PLATE CURRENT				6SC7 6.3 " " "							
MEASURED TO CHASSIS				6J5 .8 " " "				6J5 6.3 " " "							
6L6G PLATE 310 VOLTS D.C.				6SC7 1.8 " " "				FIL VOLTAGES ARE 9.8 FOR ACCELERATED							
6L6G SCREEN 315 " " "				6J5 .8 " " "				CATHODE HEATING WHEN FILS. ARE COOL							
6SC7 PLATE 170 " " "								5Z3 5 VOLTS A.C.							
6J5 PLATE 0 " " "															
SPEAKER FIELD RESISTANCE 5200 OHMS-VOICE COIL 8 OHMS															
320 VOLTS D.C. BETWEEN TERMINALS 1 & 7 OF SPEAKER SOCKET															

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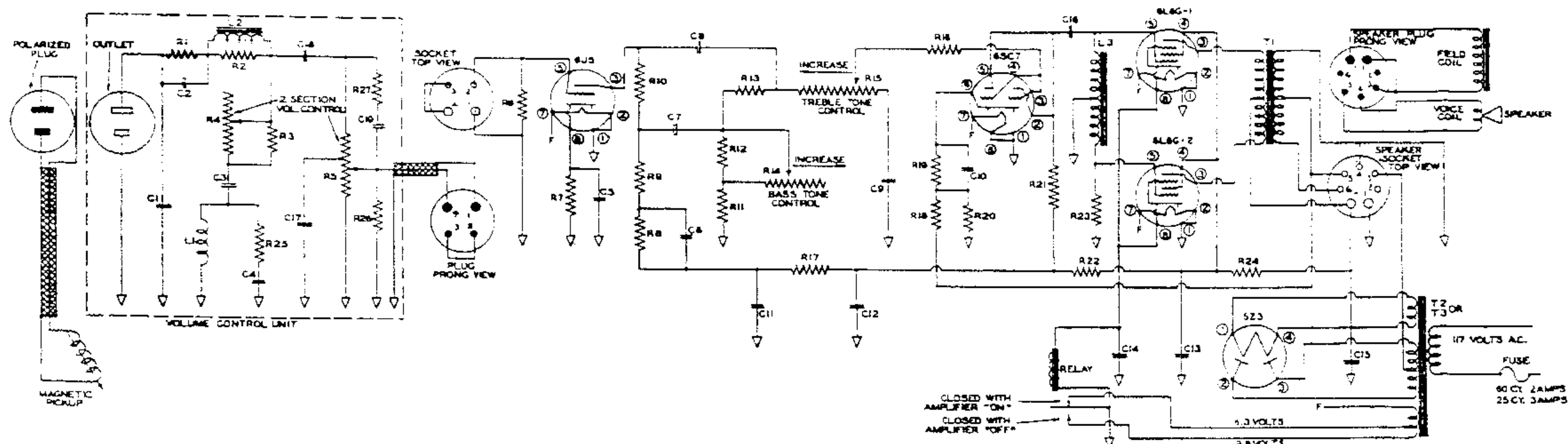
ITEM	PART #	VALUE	REMARKS	ITEM	PART #	VALUE	REMARKS	ITEM	PART #	VALUE	REMARKS	ITEM	PART #	VALUE	REMARKS
R 1	40284	36000 OHMS	±10% 1/2 WATT	R 16	37446	39000 OHMS	±10% 1/2 WATT	C 1	36472	.001 MFD	±10% 600 WV.	C 16	38548	.25 MFD	±10% 400 WV.
R 2	22529	2000 "	±10% 1/2 "	R 17	21200	10000 "	±10% 1/2 "	C 2	25680	.008 "	±10% 600 "	C 17	23052	.005 "	±10% 600 "
R 3		10000 "	VOL CON REAR	R 18	40229	5100 "	±5% 1/2 "	C 3	28123	.3 "	±10% 120 "	C 18	36472	.001 "	±10% 600 "
R 4	40370	150000 "	" " PANEL	R 19	40225	910 "	±5% 1/2 "	C 4	40407	.027 "	±10% 200 "				
R 5	20855	150000 "	±10% 1/2 WATT	R 20	40224	130 "	±5% 1/2 "	C 5	36432	20. "	25 "				RELAY
R 6	35929	560000 "	±10% 1/2 "	R 21	36326	56000 "	±10% 1/2 "	C 6	22545	.03 "	±10% 200 "		40144	130 OHMS	S.P.D.T.
R 7	36324	3300 "	±10% 1/2 "	R 22	37370	8200 "	±10% 1/2 "	C 7	28145	.006 "	±10% 600 "				
R 8	22528	220000 "	±10% 1/2 "	R 23	35925	82000 "	±10% 1/2 "	C 8	36440	.00075 "	±10% 600 "				CHOKES
R 9	37370	8200 "	±10% 1/2 "	R 24	40223	100 "	±10% 1 "	C 9	36440	.00075 "	±10% 600 "	L 1	37185	920 MH	COIL
R 10	36441	22000 "	±10% 1/2 "					C 10	36432	20. "	25 "	L 2	35917	400 MH	COIL
R 11	37446	39000 "	±10% 1/2 "					C 11	36469	.8 "	350 "	L 3	40145		INPUT CHOKE
R 12	38383	1000000 "	±10% 1/2 "					C 12		20. "	350 "				TRANSFORMERS
R 13	40226	33000 "	±10% 1/2 "					C 13	40149	.40 "	400 "	T 1	40146		OUTPUT
R 14	40607	1000000 "	TONE CON BASS					C 14		20. "	25 "	T 2	40147	50-60 CYCLE	POWER
R 15	40227	250000 "	" " TREBLE					C 15	40150	.50 "	400 "	T 3	40243	25 CYCLE	POWER

VOLTAGES & CURRENTS OF MODELS 501 & 502 AMPLIFIERS		ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLE	
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER		(FOR ALL VOLTAGES OVER 50 USE 500 VOLT SCALE)	
AVERAGE PLATE & SCREEN VOLTAGE	AVERAGE PLATE CURRENT	AVERAGE VOLTAGE ACROSS CONDENSERS	AVERAGE FILAMENT VOLTAGE
MEASURED TO CHASSIS	6L6G 88 MA. D.C.	C15 320 VOLTS D.C.	6L5G 6.3 VOLTS A.C.
6L6G PLATE 310 VOLTS D.C.	6SC7 1.8 " "	C14 20 " "	6SC7 6.3 " "
6L6G SCREEN 315 " "	6J5 1.8 " "	C13 315 " "	6J5 6.3 " "
6SC7 PLATE 170 " "		C12 290 " "	FIL VOLTAGES ARE 9.8 FOR ACCELERATED
6J5 PLATE 70 " "		C11 275 " "	CATHODE HEATING WHEN FILS ARE COOL
SPEAKER FIELD RESISTANCE 5200 OHMS - VOICE COIL 8 OHMS			523 5 VOLTS A.C.
320 VOLTS D.C. BETWEEN TERMINALS 1 & 7 OF SPEAKER SOCKET			

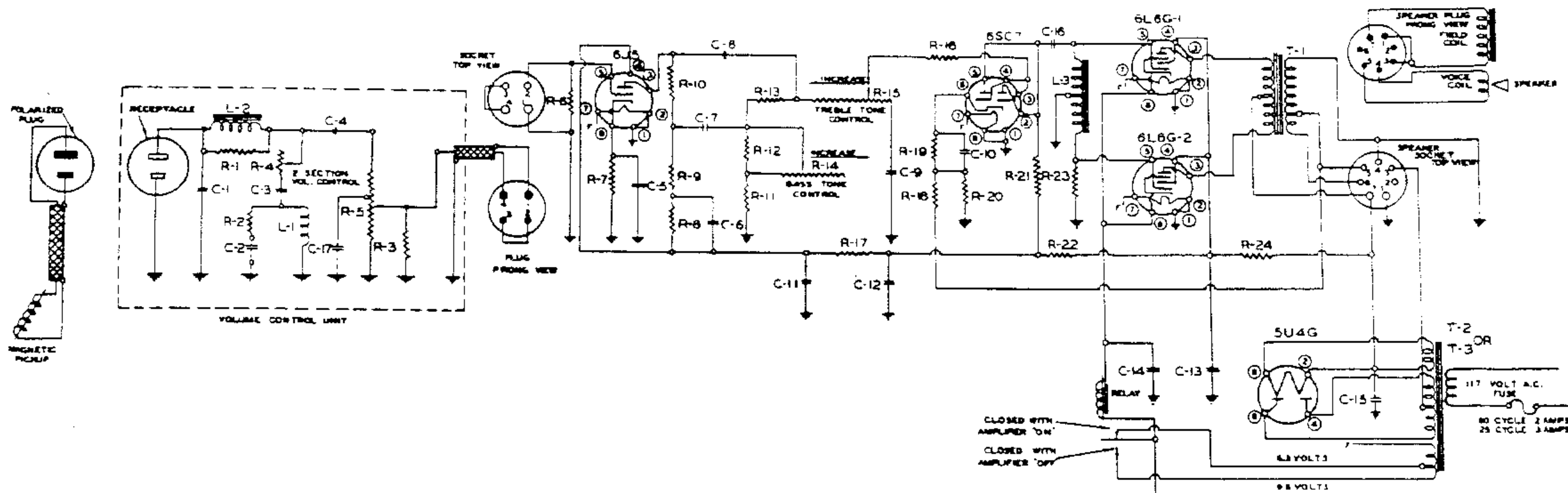


ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
R 1	36554	3900 OHMS	± 10% 1/2 WATT	R 18	36435	750000 OHMS	± 10% 1/2 WATT	C 1	28143	.01 MFD	± 10% 200 WV	C 18	36439	20 MFD	25 WV
R 2	25418	1500 OHMS	± 10% 1/2 WATT	R 19	28383	1000000 OHMS	± 10% 1/2 WATT	C 2	28123	.03 MFD	± 10% 120 WV	C 19	36439	20 MFD	300 WV
R 3	37186	150000 OHMS	± 10% VOL CON. REAR	R 20	35923	330000 OHMS	± 10% 1/2 WATT	C 3	22545	.03 MFD	± 10% 200 WV	C 20	36439	20 MFD	25 WV
R 4	37186	3500 OHMS	± 10% VOL CON. CENTER	R 21	36325	1200 OHMS	± 10% 1/2 WATT	C 4	36474	.0015 MFD	± 10% 500 WV	C 21	36439	20 MFD	150 WV
R 5	37186	150000 OHMS	± 10% VOL CON. PANEL	R 22	36325	1200 OHMS	± 10% 1/2 WATT	C 5	36472	.001 MFD	± 10% 500 WV	C 22	36438	30 MFD	500 WV
R 6	20835	150000 OHMS	± 10% 1/2 WATT	R 23	37368	220 OHMS	± 5% 1/2 WATT	C 6	36432	.001 MFD	± 10% 500 WV				
R 7	36323	270000 OHMS	± 10% 1/2 WATT	R 24	37368	5100 OHMS	± 5% 1 WATT	C 7	22545	.03 MFD	± 10% 200 WV				
R 8	36324	560000 OHMS	± 10% 1/2 WATT	R 25	21200	10000 OHMS	± 10% 1/2 WATT	C 8	36440	.00075 MFD	± 10% 500 WV				
R 9	36324	3300 OHMS	± 10% 1/2 WATT	R 26	36326	56000 OHMS	± 10% 1/2 WATT	C 9	22850	.01 MFD	± 10% 400 WV				
R 10	21200	10000 OHMS	± 10% 1/2 WATT	R 27	35924	560000 OHMS	± 10% 1/2 WATT	C 10	36440	.00075 MFD	± 10% 500 WV				
R 11	36443	6800 OHMS	± 10% 1/2 WATT	R 28	36326	56000 OHMS	± 10% 1/2 WATT	C 11	36432	.001 MFD	± 10% 500 WV				
R 12	22526	220000 OHMS	± 10% 1/2 WATT	R 29	35925	82000 OHMS	± 10% 1/2 WATT	C 12	36469	.001 MFD	± 10% 500 WV				
R 13	32446	39000 OHMS	± 10% 1/2 WATT	R 30	35925	82000 OHMS	± 10% 1/2 WATT	C 13	36431	.075 MFD	± 10% 400 WV				
R 14	36436	1000000 OHMS	± 10% 1/2 WATT	R 31	36442	68000 OHMS	± 10% 1/2 WATT	C 14	22850	.01 MFD	± 10% 400 WV				
R 15	26383	1000000 OHMS	± 10% 1/2 WATT	R 32	36441	22000 OHMS	± 10% 1/2 WATT	C 15	36431	.075 MFD	± 10% 400 WV				
R 16	20835	150000 OHMS	± 10% 1/2 WATT	R 33	36786	150 OHMS	± 10% BLEEDER								
R 17	35924	270000 OHMS	± 10% 1/2 WATT	R 34	37446	39000 OHMS	± 10% 1/2 WATT								

VOLTAGES & CURRENTS OF MODEL 800 AMPLIFIER				ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLE			
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER				FOR ALL VOLTAGES OVER 50 USE 500 VOLT SCALE			
AVERAGE PLATE & SCREEN VOLTAGE				AVERAGE DC VOLTAGE ACROSS CONDENSERS			
MEASURED TO CHASSIS				AVERAGE FILAMENT VOLTAGE			
6L6G PLATE	390 VOLTS DC	SCREEN	308 VOLTS DC	6L6G FILAMENT	6.3 VOLTS AC		
6SC7 PLATE	150 VOLTS DC			6SC7 FILAMENT	6.3 VOLTS AC		
6J5 PLATE	50 VOLTS DC			6J5 FILAMENT	6.3 VOLTS AC		
				FILAMENT VOLTAGES ARE 91 FOR ACCELERATED CATHODE HEATING WHEN FILAMENTS ARE COOL			
				5Z3 FILAMENT	5 VOLTS AC		
SPEAKER FIELD RESISTANCE 4000 OHMS				307 VOLTS DC BETWEEN TERMINALS 1 & 3 OF SPEAKER SOCKET			



TEMPART NO	VALUE	REMARKS	ITEM PART NO	VALUE	REMARKS	ITEM PART NO	VALUE	REMARKS	ITEM PART NO	VALUE	REMARKS
RESISTORS			RESISTORS			CONDENSERS			CONDENSERS		
R1 41351	2400 OHMS	± 10% 1/2 WATT	R18 40229	5100 OHMS	± 5% 1/2 WATT	C1 34126	.0025 MFD	± 10% 500 WV	C18 22545	.03 MFD	± 10% 200 WV
R2 40284	35000 "	± 10% 1/2 "	R19 40225	910 "	± 5% 1/2 "	C2 24329	"	± 10% 200 "	C19 36472	.001 "	± 10% 600 "
R3 20287	15000 "	± 10% 1/2 "	R20 40224	130 "	± 5% 1/2 "	C3 37053	4 "	± 10% 200 "			
R4 41338	10000 "	VOL CON REAR	R21 36326	56000 "	± 10% 1/2 "	C4 22534	.015 "	± 10% 200 "			
R5 150000	"	VOL CON PANEL	R22 37370	3200 "	± 10% 1/2 "	C5 36432	20 "	± 10% 25 "			
R6 35924	560000	"	R23 35925	82000 "	± 10% 1/2 "	C6 22545	.03 "	± 10% 200 "		40144	30 OHMS SPDT
R7 36324	3300 "	± 10% 1/2 "	R24 40223	100 "	± 10% 1/2 "	C7 28145	.006 "	± 10% 600 "			
R8 22528	220000	"	R25 41343	7500 "	± 10% 1/2 "	C8 36440	.00075 "	± 10% 600 "			
R9 37370	8200 "	± 10% 1/2 "	R26 20855	150000 "	± 10% 1/2 "	C9 36440	.00075 "	± 10% 600 "			
R10 36441	25000 "	± 10% 1/2 "	R27 41350	750000 "	± 10% 1/2 "	C10 36432	20 "	± 10% 25 "			
R11 37446	39000 "	± 10% 1/2 "				C11 36469	8 "	± 10% 350 "			
R12 28383	1000000 "	± 10% 1/2 "				C12 20 "	20 "	± 10% 350 "			
R13 40226	33000 "	± 10% 1/2 "				C13 40149	40 "	± 10% 400 "			
R14 40607	1000000 "	TONE CON. BASS				C14 20 "	20 "	± 10% 25 "			
R15 40227	250000 "	" " TREBLE				C15 40150	50 "	± 10% 400 "			
R16 37448	39000 "	± 10% 1/2 WATT				C16 38548	25 "	± 10% 400 "			
R17 21200	10000 "	± 10% 1/2 "				C17 40283	.0035 "	± 10% 600 "			
VOLTAGES & CURRENTS OF MODELS 501 & 502 AMPLIFIERS.			ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLES								
AVERAGE PLATE & SCREEN VOLTAGE			AVERAGE PLATE CURRENT			AVERAGE VOLTAGE ACROSS CONDENSERS			AVERAGE FILAMENT VOLTAGE		
MEASURED TO CHASSIS			6L6G 88 MA DC			C15 320 VOLTS DC			6L6G 6.3 VOLTS AC		
6L6G PLATE 310 VOLTS DC			6SC7 1.8 " "			C14 20 " "			6SC7 6.3 " "		
6L6G SCREEN 315 " "			6J5 8 " "			C13 315 " "			6J5 6.3 " "		
6SC7 PLATE 170 " "						C12 260 " "			FILAMENT VOLTAGES ARE 9.8 FOR ACCELERATOR		
6J5 PLATE 70 " "						C11 275 " "			CATHODE HEATING WHEN FILAMENTS ARE COOL		
SPEAKER FIELD RESISTANCE 5200 OHMS			VOICE COIL 8 OHMS						5Z3 5 VOLTS AC		
320 VOLTS D.C. BETWEEN TERMINALS 1 & 7 OF SPEAKER SOCKET											



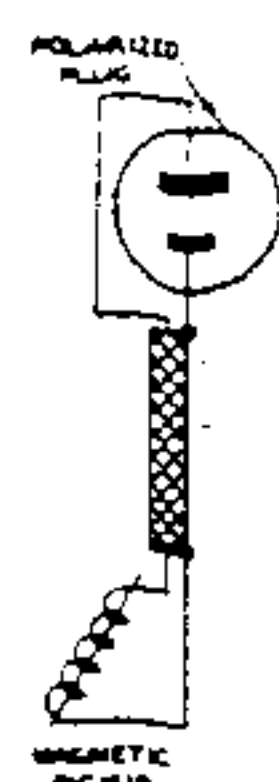
ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
RESISTORS				RESISTORS				CONDENSERS				CONDENSERS			
R-1	48373	43000 OHMS	± 5% 1/2 WATT	R-16	37446	39000 OHMS	± 10% 1/2 WATT	C-1	36472	.001 MFD	± 10% 600 WV	C-16	38548	.25 MFD	± 10% 400 WV
R-2	25418	1500 OHMS	± 10% 1/2 WATT	R-17	21200	10000 OHMS	± 10% 1/2 WATT	C-2	45776	.01 MFD	± 10% 600 WV	C-17	28145	.006 MFD	± 10% 600 WV
R-3	20855	150000 OHMS	± 10% 1/2 WATT	R-18	40229	5100 OHMS	± 5% 1/2 WATT	C-3	28123	.3 MFD	± 10% 120 WV				
R-4	45103	10000 OHMS	VOL CON REAR	R-19	40225	910 OHMS	± 5% 1/2 WATT	C-4	45775	.02 MFD	± 10% 200 WV				
R-5	45103	150000 OHMS	VOL CON FRONT	R-20	40224	130 OHMS	± 5% 1/2 WATT	C-5	36432	.20 MFD	± 10% 25 WV				
R-6	35929	560000 OHMS	± 10% 1/2 WATT	R-21	36326	56000 OHMS	± 10% 1/2 WATT	C-6	22545	.03 MFD	± 10% 200 WV	L-1	35917	400 M.H.	COIL
R-7	36324	3300 OHMS	± 10% 1/2 WATT	R-22	37370	8200 OHMS	± 10% 1/2 WATT	C-7	28145	.005 MFD	± 10% 500 WV	L-2	37185	920 M.H.	COIL
R-8	22528	22000 OHMS	± 10% 1/2 WATT	R-23	35925	82000 OHMS	± 10% 1/2 WATT	C-8	36440	.0005 MFD	± 10% 600 WV	L-3	40145		INPUT CHOK
R-9	37370	8200 OHMS	± 10% 1/2 WATT	R-24	40223	100 OHMS	± 10% 1 WATT	C-9	36440	.00075 MFD	± 10% 600 WV				
R-10	36441	22000 OHMS	± 10% 1/2 WATT					C-10	36432	.20 MFD	± 10% 25 WV	T-1	40146		OUTPUT
R-11	37446	39000 OHMS	± 10% 1/2 WATT					C-11	36489	.8 MFD	± 10% 350 WV	T-2	40147	50-60 CYCLES	POWER (503)
R-12	38383	1000000 OHMS	± 10% 1/2 WATT					C-12	40149	.20 MFD	± 10% 350 WV	T-3	40243	25 CYCLES	POWER (504)
R-13	40226	330000 OHMS	± 10% 1/2 WATT					C-13	40149	.40 MFD	± 10% 400 WV				
R-14	40607	100000 OHMS	STONE CONTR					C-14	40149	.20 MFD	± 10% 25 WV				
R-15	46112	250000 OHMS	STONE CONTR					C-15	40150	.50 MFD	± 50% 400 WV				

VOLTAGE & CURRENTS OF MODELS 503-504 AMPLIFIERS
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER

ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLES
FOR VOLTAGES OVER 50 USE 500 VOLT SCALE

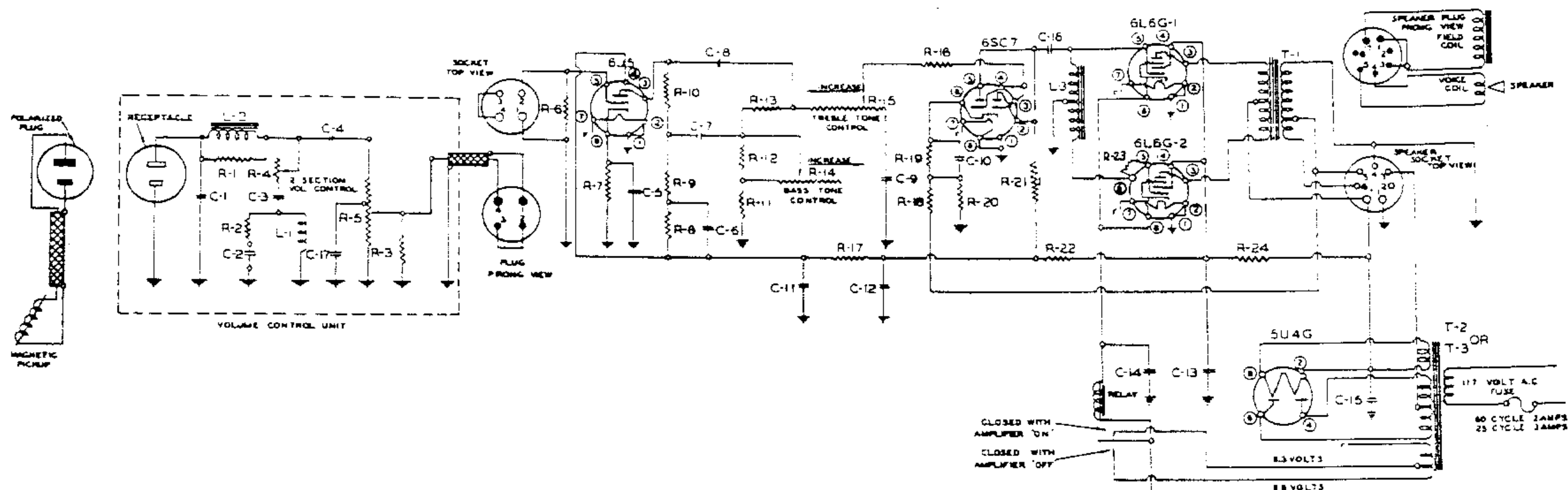
AVERAGE PLATE & SCREEN VOLTAGE				AVERAGE PLATE CURRENT				AVERAGE VOLTAGE ACROSS CONDENSER				AVERAGE FILAMENT VOLTAGE			
MEASURED	TO CHASSIS			6L6G	68	MA	D.C.	C-15	320	VOLTS	D.C.	6L6G	6.3	VOLTS	A.C.
6L6G	PLATE	310	VOLTS D.C.	6SC7	1.8	MA	D.C.	C-14	20	VOLTS	D.C.	6SC7	6.3	VOLTS	A.C.
6L6G	SCREEN	315	VOLTS D.C.	6J5	.8	MA	D.C.	C-13	315	VOLTS	D.C.	6J5	6.3	VOLTS	A.C.
6SC7	PLATE	170	VOLTS D.C.					C-12	290	VOLTS	D.C.	FILAMENT VOLTAGES ARE 9.3 FOR ACCELERATED CATHODE HEATING WHEN FILAMENTS ARE COOL			
6J5	PLATE	70	VOLTS D.C.					C-11	275	VOLTS	D.C.				
												5U4G	5	VOLTS	A.C.

SPEAKER FIELD RESISTANCE 5200 OHMS
320 VOLTS D.C. BETWEEN VOICE COIL 8 OHMS
TERMINALS 1 & 7 OF SPEAKER SOCKET



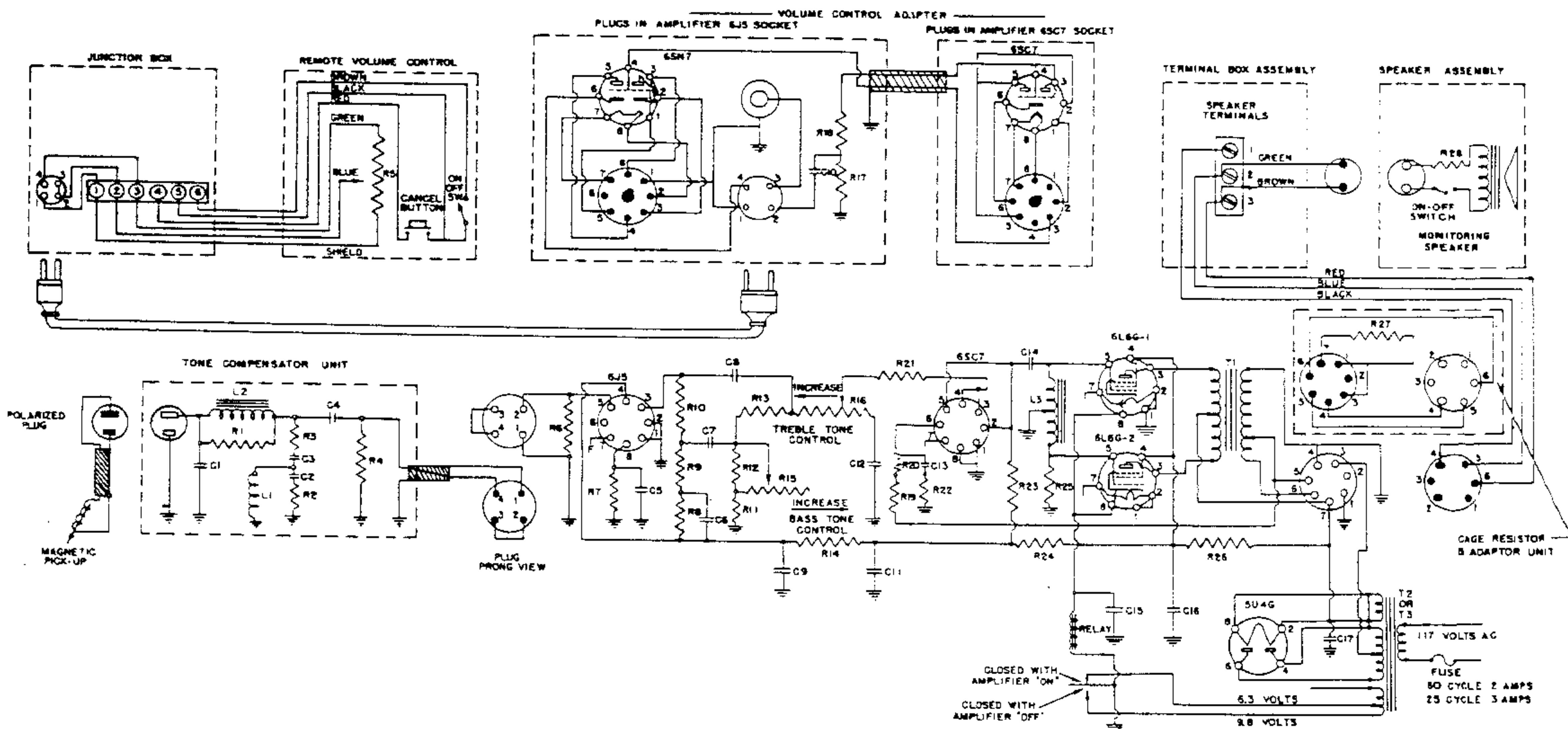
VOLTAGE & CURRENTS OF MODELS 503-504 AMPLIFIERS						ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLES						
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER						FOR VOLTAGES OVER 50 USE 500VOLT SCALE						
AVERAGE PLATE & SCREEN VOLTAGE				AVERAGE PLATE CURRENT		AVERAGE VOLTAGE ACROSS CONDENSER				AVERAGE FILAMENT VOLTAGE		
MEASURED	TO CHASSIS											
6L6G	PLATE	310	VOLTS	D.C.	6L6G	68	MA	D.C.	C-15	320	VOLTS	D.C.
6L6G	SCREEN	315	VOLTS	A.C.	65C7	1.8	MA	D.C.	C-14	20	VOLTS	D.C.
65C7	PLATE	170	VOLTS	D.C.	6J5	.8	MA	D.C.	C-13	315	VOLTS	D.C.
6J5	PLATE	70	VOLTS	D.C.					C-12	290	VOLTS	D.C.
SPEAKER FIELD RESISTANCE 5200 OHMS						VOICE COIL 8 OHMS						
320 VOLTS D.C. BETWEEN						TERMINALS 1 & 7 OF SPEAKER SOCKET						
						FILAMENT VOLTAGES ARE 93 FOR ACCELERATOR CATHODES - 3.3 NG WHEN FILAMENTS ARE COOL						
						504G 5 VOLTS A.C.						

SPEAKER FIELD RESISTANCE 5200 OHMS VOICE COIL 8 OHMS
320 VOLTS D C BETWEEN TERMINALS 1 & 7 OF SPEAKER SOCKET



ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
RESISTORS				RESISTORS				CONDENSERS				CONDENSERS			
R-1	46373	43000 OHMS ± 5% 1/2 WATT		R-16	37446	39000 OHMS ± 10% 1/2 WATT		C-1	36472	.001 MFD ± 10% 600 WV		C-6	38548	.25 MFD ± 10% 400 WV	
R-2	25418	500 OHMS ± 10% 1/2 WATT		R-17	21200	10000 OHMS ± 10% 1/2 WATT		C-2	45776	.01 MFD ± 10% 500 WV		C-7	28145	.006 MFD ± 10% 600 WV	
R-3	20855	15000 OHMS ± 10% 1/2 WATT		R-18	40229	5100 OHMS ± 5% 1/2 WATT		C-3	28123	.3 MFD ± 10% 120 WV		C-8	28145	.006 MFD ± 10% 600 WV	
R-4	45103	10000 OHMS VOL CON REAR		R-19	40225	910 OHMS ± 5% 1/2 WATT		C-4	45775	.02 MFD ± 10% 200 WV					
R-5	45103	150000 OHMS VOL CON FRONT		R-20	40224	130 OHMS ± 5% 1/2 WATT		C-5	36432	.20 MFD ± 100% 10% 25 WV					
R-6	35929	56000 OHMS ± 10% 1/2 WATT		R-21	36326	56000 OHMS ± 10% 1/2 WATT		C-6	22545	.03 MFD ± 10% 200 WV		L-1	35917	400 MH	COIL
R-7	36324	3300 OHMS ± 10% 1/2 WATT		R-22	37370	8200 OHMS ± 10% 1/2 WATT		C-7	28145	.006 MFD ± 10% 600 WV		L-2	37185	920 MH	COIL
R-8	22528	22000 OHMS ± 10% 1/2 WATT		R-23	35925	82000 OHMS ± 10% 1/2 WATT		C-8	36440	.00075 MFD ± 10% 600 WV		L-3	40145		INPUT CHOK
R-9	37370	820 OHMS ± 10% 1/2 WATT		R-24	40223	100 OHMS ± 10% 1 WATT		C-9	36440	.00075 MFD ± 10% 600 WV					
R-10	36441	22000 OHMS ± 10% 1/2 WATT						C-10	36432	.20 MFD ± 100% 10% 25 WV		T-1	40145		OUTPUT
R-11	37426	39000 OHMS ± 10% 1/2 WATT						C-11	36469	.8 MFD ± 100% 10% 350 WV		T-2	40145		50-60 CYCLES POWER (503)
R-12	36383	100000 OHMS ± 10% 1/2 WATT						C-12	40149	.20 MFD ± 100% 10% 350 WV		T-3	40243		25 CYCLES POWER (504)
R-13	40226	33000 OHMS ± 10% 1/2 WATT						C-13	40149	.40 MFD ± 100% 10% 400 WV					
R-14	40607	100000 OHMS TONE CON BASS						C-14	40149	.20 MFD ± 100% 10% 25 WV					
R-15	46112	250000 OHMS TONE CONTROL						C-15	40150	.50 MFD ± 50% 10% 400 WV					
VOLUME CONTROL UNIT				RELAY				ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLES FOR VOLTAGES OVER 50 USE 500 VOLT SCALE							
				40144 130 OHMS S PDT				AVERAGE PLATE & SCREEN VOLTAGE				AVERAGE FILAMENT VOLTAGE			
								MEASURED TO CHASSIS				AVERAGE PLATE CURRENT			
								6L6G	PLATE	310 VOLTS D.C.		6L6G	58 MA D.C.		
								6L6G	SCREEN	315 VOLTS D.C.		6SC7	1.8 MA D.C.		
								6SC7	PLATE	170 VOLTS D.C.		5U4G	8 MA D.C.		
								5U4G	PLATE	170 VOLTS D.C.					
								SPEAKER FIELD RESISTANCE 5200 OHMS				VOICE COIL 8 OHMS			
								320 VOLTS D.C. BETWEEN				TERMINALS 1 & 7 OF SPEAKER SOCKET			

Note Later Model 503 Amplifier showing new wiring of Resistor R-23



ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
RESISTORS															
R1	37446	39000 OHMS	±10% 1/3 WATT	R12	36383	1000000 OHMS	±10% 1/3 WATT	R23	36326	56000 OHMS	±10% 1/3 WATT	C4	45775	02 MFD	±10% 200 WV
R2	25418	1500 OHMS	-	R13	40226	33000 OHMS	-	R24	37370	8200 OHMS	±10% 1/3 WATT	C5	36432	20 MFD	±100%-10% 25 WV
R3	20257	15000 OHMS	-	R14	21200	10000 OHMS	-	R25	37925	82000 OHMS	±10% 1/3 WATT	C6	22545	23 MFD	±10% 200 WV
R4	20835	150000 OHMS	-	R15	40607	1000000 OHMS	-	R26	40223	100 OHMS	±10% 1 WATT	C7	28145	006 MFD	±10% 600 WV
R5	46883	3000 OHMS	±20% VOL CONT	R16	46112	250000 OHMS	±10% 1/3 WATT	R27	46998	3200 OHMS	±10% 1 WATT	C8	36440	00075 MFD	±10% 600 WV
R6	35925	560000 OHMS	±10% 1/3 WATT	R17	36323	270000 OHMS	±10% 1/3 WATT	R28	47979	10 OHMS	±10% 1 WATT	C9	36469	8 MFD	±100%-10% 350 WV
R7	36324	3300 OHMS	-	R18	35925	82000 OHMS	±10% 1/3 WATT					C10	22545	03 MFD	±10% 200 WV
R8	22328	220000 OHMS	-	R19	40229	5100 OHMS	±5% 1/2 WATT					C11	40149	20 MFD	±100%-10% 350 WV
R9	37370	8200 OHMS	-	R20	40223	910 OHMS	±5% 1/3 WATT					C12	36440	00075 MFD	±10% 600 WV
R10	36441	22000 OHMS	-	R21	37446	39000 OHMS	±10% 1/3 WATT					C13	36432	20 MFD	±100%-10% 25 WV
R11	37446	39000 OHMS	-	R22	40224	130 OHMS	±5% 1/3 WATT					C14	36548	25 MFD	±10% 400 WV
CONDENSERS															
C1	36472	001 MFD	±10% 600 WV									T1	40146	50-60 CYCLES	POWER (503)
C2	28145	006 MFD	±10% 600 WV									T2	40147	50-60 CYCLES	POWER (503)
C3	28123	3 MFD	±10% 120 WV									T3	40243	25 CYCLES	POWER (504)

VOLTAGES & CURRENTS OF MODELS 503-504 AMPLIFIERS				ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS			
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER				25 OR 60 CYCLES, FOR VOLTAGES OVER 30 USE 500 VOLT SCALE			
AVERAGE PLATE & SCREEN VOLTAGE				AVERAGE FILAMENT VOLTAGE			
MEASURED TO CHASSIS				MEASURED TO CHASSIS			
6L6G PLATE	310	VOLTS	DC	6L6G 6.3	VOLTS	AC	
6L6G SCREEN	315	VOLTS	DC	6SG7 6.3	VOLTS	AC	
6SG7 PLATE	170	VOLTS	DC	6SN7 6.3	VOLTS	AC	
6SN7 PLATE							
6.3 PLATE	70	VOLTS	DC				

ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
RESISTORS				CAPACITORS			
R-1	72264-41	1,000,000	OHMS - 5% 1/2 WATT	C-1	50042	50	MMFD - 2% 500 W.V.
R-2	72377-11	51,000	" - 5% 1 " "	C-2	50042	50	" - 2% 500 " "
R-3	72-89-11	51,000	" - 5% 1/3 " "	C-3	73033-24	.1	MFD -10% 400 " "
R-4	72240-41	100,000	" - 5% 1/2 " "	C-4	73016-64	.02	" -30%-10% 400 " "
R-5	72240-42	100,000	" -10% 1/2 " "	C-5	50041	100	MMFD -10% 500 " "
R-6	72256-42	470,000	" -10% 1/2 " "	C-6	73014-64	.01	MFD -30%-10% 400 " "
R-7	72058-12	2,700	" -10% 1/3 " "	C-7	49857	20	" 100%-10% 25 " "
R-8	72130-12	2,700,000	" -10% 1/3 " "	C-8		20	" 100%-10% 400 " "
R-9	72064-12	4,700	" -10% 1/3 " "	C-9	73346	10	" 100%-10% 450 " "
R-10	72-64-12	4,700	" -10% 1/3 " "	C-10		10	" 100%-10% 450 " "
R-11	72084-12	33,000	" -10% 1/3 " "	C-11	73013-66	.008	" 30%-10% 600 " "
R-12	72060-12	3,300	" -10% 1/3 " "	C-12	73099-220	.5	" -10% 400 " "
R-13	72072-12	10,000	" -10% 1/3 " "	C-13	73009-26	.004	" -10% 600 " "
R-14	72090-12	56,000	" -10% 1/3 " "	C-14	73033-22	.1	" -10% 200 " "
R-15	72240-31	100,000	" - 5% 1/2 " "	C-15	73289-450	8	" 50%-10% 400 " "
R-16	72114-12	560,000	" -10% 1/3 " "	C-16	73033-62	.1	" 30%-10% 200 " "
R-17	72260-31	680,000	" - 5% 1/2 " "	C-17	73004-26	.001	" -10% 600 " "
R-18	72240-31	100,000	" - 5% 1/2 " "	C-18	73099-640	.5	" 30%-10% 400 " "
R-19	72260-31	680,000	" - 5% 1/2 " "	C-19	73014-64	.01	" 30%-10% 400 " "
R-20	72120-12	1,000,000	" -10% 1/3 " "	C-20	73020-64	.05	" 30%-10% 400 " "
R-21	72072-12	10,000	" -10% 1/3 " "	C-21	73014-64	.01	" 30%-10% 400 " "
R-22	72244-31	150,000	" - 5% 1/2 " "	C-22	73003-26	.00075	MFD -10% 600 " "
R-23	72106-12	270,000	" -10% 1/3 " "	C-23	73293-210	20	MFD 150%-10% 25 " "
R-24	72114-12	560,000	" -10% 1/3 " "	C-24		20	" 100%-10% 400 " "
R-25	40227	250,000	" TONE CONTROL	D-25	49910	40	" 100%-10% 400 " "
R-26	72048-12	1,000	" -10% 1/3 WATT	C-26		20	" 100%-10% 25 " "
R-27	72204-31	3,300	" - 5% 1/2 " "	C-27	73014-64	.01	" 30%-10% 400 " "
R-28	72100-12	150,000	" -10% 1/3 " "	C-28	73002-26	.0005	" -10% 600 " "
R-29	72080-12	22,000	" -10% 1/3 " "	C-29	73093-640	.1	" 30%-10% 400 " "
R-30	72114-12	560,000	" -10% 1/3 " "	C-30	73093-640	.1	" 30%-10% 400 " "
R-31	72050-12	1,200	" -10% 1/3 " "	C-31	73014-22	.01	" -10% 200 " "
R-32	72066-12	5,600	" -10% 1/3 " "	C-32	40150	50	" 50%-10% 400 " "
R-33	72072-12	10,000	" -10% 1/3 " "	TRANSFORMERS			
R-34	50386	50,000	" VOLUME CONTROL	T-1	47007		OUTPUT
R-35	50386	2,300	" VOLUME CONTROL	T-2	47023	50-60	CYCLE POWER 227
R-36	72096-12	100,000	" -10% 1/3 WATT	T-3	51219	25	" POWER 228
R-37	72096-12	100,000	" -10% 1/3 " "	CHOKES			
R-38	72080-12	22,000	" -10% 1/3 " "	L-1	49856		OSCILLATOR COIL
R-39	72240-31	100,000	" - 5% 1/2 " "	L-2	50395	70	HENRIES
R-40	72306-12	56	" -10% 1 " "	L-3	50538	155	"
R-41	72312-12	100-	" -10% 1 " "				
R-42	72907-2	15,000	" -10% 20 " "				
R-43							

THE RUDOLPH WURLITZER CO.

MODEL 1017A

THE RUDOLPH WURLITZER CO.

RELAYS		
50385	130 OHMS	SPDT
40144	130 "	SPDT OPTIONAL
48867	130 "	SPDT

50189 140 MMFD 10%-0% EXTENSION CABLE

VOLTAGE & CURRENTS OF MODELS 227 & 228 AMPLIFIERS. ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER.

ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLE FOR VOLTAGES OVER 50 USE 500 VOLT SCALE

PRE-AMPLIFIER VOLTAGES TO BE READ WITH VOLTOHMYST JUNIOR OR EQUIVALENT

AVERAGE PLATE & SCREEN VOLTAGE
MEASURED TO CHASSIS

6L6G	PLATE	300 VOLTS	D.C.
6L6G	SCREEN	305 VOLTS	D.C.
6SN7	PLATE PIN 5	190 VOLTS	D.C.
6SN7	PLATE PIN 2	80 VOLTS	D.C.
6SJ7	PLATE	80 VOLTS	D.C.
6SJ7	SCREEN	20 VOLTS	D.C.
6J5	PLATE	165 VOLTS	D.C.

AVERAGE PLATE & SCREEN CURRENT

6L6G	PLATE	680 M.A.	D.C.
6L6G	SCREEN	2.7 M.A.	D.C.
6SN7	PLATE PIN 5	3.4 M.A.	D.C.
6SN7	PLATE PIN 2	1.1 M.A.	D.C.
6SJ7	PLATE	0.6 M.A.	D.C.
6SJ7	SCREEN	0.2 M.A.	D.C.
6J5	PLATE	2.4 M.A.	D.C.

AVERAGE VOLTAGE ACROSS CONDENSER

C-32	305 VOLTS	D.C.
C-26	20 VOLTS	D.C.
C-25	305 VOLTS	D.C.
C-24	270 VOLTS	D.C.
C-15	255 VOLTS	D.C.
C-10	280 VOLTS	D.C.
C-9	165 VOLTS	D.C.

AVERAGE FILAMENT VOLTAGE

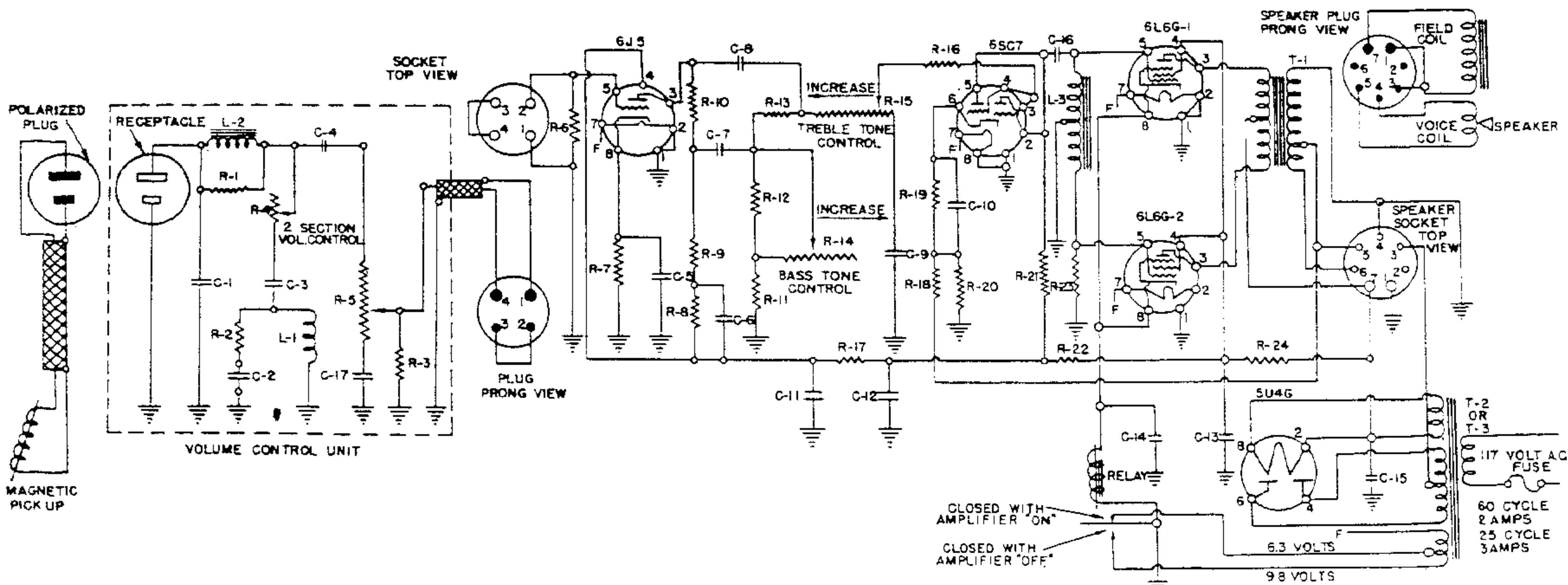
6L6G	6.3 VOLTS	A.C.
6SN7	6.3 VOLTS	A.C.
6SJ7	6.3 VOLTS	A.C.
6J5	6.3 VOLTS	A.C.

FILAMENT VOLTAGES ARE 99 FOR ACCELERATED CATHODE HEATING WHEN FILAMENTS ARE COOL
501G 50 VOLTS A.C.

AVERAGE VOLTAGE ACROSS CONDENSER
OR RESISTOR

C-7	4.0 VOLTS	D.C.
C-8	255 VOLTS	D.C.
R-1	5.0 VOLTS	D.C.

AVERAGE FILAMENT VOLTAGE
6SN7 6.3 VOLTS A.C.



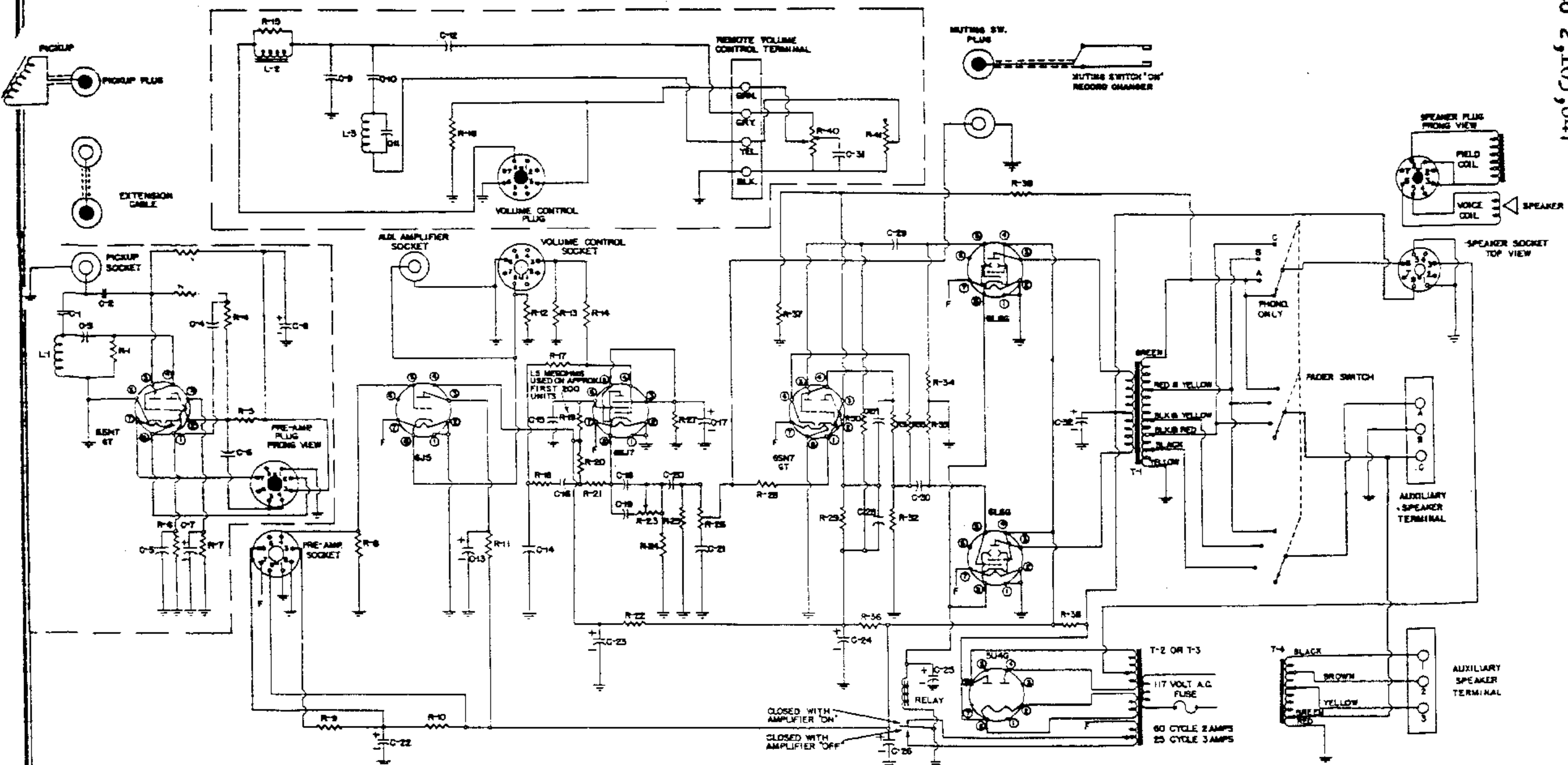
ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS	ITEM	PART NO.	VALUE	REMARKS
RESISTORS				RESISTORS				CONDENSERS				CONDENSERS			
R-1	46373	43000 OHMS	±5% 1/3 WATT	R-16	37446	39000 OHMS	±10% 1/3 WATT	C-1	36472	.001 MFD	±10% 600 W.V.	C-16	38548	25 MFD	±10% 400W.V.
R-2	25418	1500 OHMS	±10% 1/3 WATT	R-17	21200	10000 OHMS	±10% 1/3 WATT	C-2	45776	.01 MFD	±10% 600 W.V.	C-17	28145	.006 MFD	±10% 600W.V.
R-3	20855	150000 OHMS	±10% 1/3 WATT	R-18	40229	5100 OHMS	±5% 1/2 WATT	C-3	28123	.3 MFD	±10% 120 W.V.				
R-4	45103	10000 OHMS	VOL CON REAR	R-19	40225	910 OHMS	±5% 1/3 WATT	C-4	45775	.02 MFD	±10% 200 W.V.				
R-5	45103	150000 OHMS	VOL CON FRONT	R-20	40224	130 OHMS	±5% 1/3 WATT	C-5	36432	20. MFD	±100%-10% 25 W.V.				
R-6	35929	560000 OHMS	±10% 1/3 WATT	R-21	36326	56000 OHMS	±10% 1/3 WATT	C-6	22545	.03 MFD	±10% 200 W.V.	L-1	35917	400 MH	COIL
R-7	36324	3300 OHMS	±10% 1/3 WATT	R-22	37370	8200 OHMS	±10% 1/3 WATT	C-7	28145	.006 MFD	±10% 600 W.V.	L-2	37185	920 MH	COIL
R-8	13916	220000 OHMS	±10% 1/2 WATT	R-23	35925	82000 OHMS	±10% 1/3 WATT	C-8	36440	.00075 MFD	±10% 600 W.V.	L-3	40145		INPUT CHOKE
R-9	37370	8200 OHMS	±10% 1/3 WATT	R-24	40223	100 OHMS	±10% 1 WATT	C-9	36440	.00075 MFD	±10% 600 W.V.				
R-10	36441	22000 OHMS	±10% 1/3 WATT					C-10	36432	20. MFD	±100%-10% 25 W.V.	T-1	40146		OUTPUT
R-11	37446	39000 OHMS	±10% 1/3 WATT					C-11	36469	8 MFD	±100%-10% 350W.V.	T-2	40147	50-60 CYCLES	POWER (503)
R-12	38383	1000000 OHMS	±10% 1/3 WATT					C-12	40149	20. MFD	±100%-10% 350W.V.	T-3	40243	25 CYCLES	POWER (504)
R-13	40226	33000 OHMS	±10% 1/3 WATT	RELAY				C-13	40149	40. MFD	±100%-10% 400W.V.				
R-14	40607	1000000 OHMS	TONE CON BASS		40144	130 OHMS	SPDT	C-14	40149	20. MFD	±100%-10% 25 W.V.				
R-15	46112	250000 OHMS	TONE CON TREBLE					C-15	40150	50 MFD	±50%-10% 400W.V.				

VOLTAGE & CURRENTS OF MODELS 503 - 504 AMPLIFIERS								ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLES							
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER								FOR VOLTAGES OVER 50 USE 500 VOLT SCALE							
AVERAGE PLATE & SCREEN VOLTAGE				AVERAGE PLATE CURRENT				AVERAGE VOLTAGE ACROSS CONDENSER				AVERAGE FILAMENT VOLTAGE			
MEASURED TO CHASSIS															
6L6G	PLATE	310	VOLTS DC	6L6G	68	MA	DC	C-15	320	VOLTS	DC	6L6G	6.3	VOLTS AC	
6L6G	SCREEN	315	VOLTS DC	6SC7	1.8	MA	DC	C-14	20	VOLTS	DC	6SC7	6.3	VOLTS AC	
6SC7	PLATE	170	VOLTS DC	6J5	8	MA	DC	C-13	315	VOLTS	DC	6J5	6.3	VOLTS AC	
6J5	PLATE	70	VOLTS DC					C-12	290	VOLTS	DC	FILAMENT VOLTAGES ARE 9.8 FOR ACCELERATED			
								C-11	275	VOLTS	DC	CATHODE HEATING WHEN FILAMENTS ARE COOL			
												5 5U4G	5	VOLTS AC	

SPEAKER FIELD RESISTANCE 5200 OHMS VOICE COIL 8 OHMS
320 VOLTS D.C. BETWEEN TERMINALS 1 & 7 OF SPEAKER SOCKET

MODEL 1100, SERIAL,
2,100,001 to 2,103,847

THE RUDOLPH WURLITZER CO.



ITEM	PART NO.	VALUE	REMARKS
RESISTORS			
R-1	72264-41	1,000,000 OHMS	- 5% 1/2 WATT
R-2	72377-11	51,000 "	- 5% 1 "
R-3	72089-11	51,000 "	- 5% 1/3 "
R-4	72240-41	100,000 "	- 5% 1/2 "
R-5	72240-42	100,000 "	-10% 1/2 "
R-6	72256-42	470,000 "	-10% 1/2 "
R-7	72058-12	2,700 "	-10% 1/3 "
R-8	72130-12	2,700,000 "	-10% 1/3 "
R-9	72068-12	6,800 "	-10% 1/3 "
R-10	72068-12	6,300 "	-10% 1/3 "
R-11	72090-12	56,000 "	-10% 1/3 "
R-12	72060-12	3,300 "	-10% 1/3 "
R-13	72114-12	560,000 "	-10% 1/3 "
R-14	72240-31	100,000 "	- 5% 1/2 "
R-15	72072-12	10,000 "	-10% 1/3 "
R-16	72090-12	56,000 "	-10% 1/3 "
R-17	72260-31	680,000 "	- 5% 1/2 "
R-18	72260-31	680,000 "	- 5% 1/2 "
R-19	72120-12	1,000,000 "	-10% 1/3 "
R-20	72240-31	100,000 "	- 5% 1/2 "
R-21	72244-31	150,000 "	- 5% 1/2 "
R-22	72072-12	10,000 "	-10% 1/3 "
R-23	49789	1,000,000 "	TONE CONT BASS
R-24	72106-12	270,000 "	-10% 1/3 WATT
R-25	72114-12	560,000 "	-10% 1/3 "
R-26	40227	250,000 "	TONE CONT TREBLE
R-27	72048-12	1,000 "	-10% 1/3 WATT
R-28	72090-12	56,000 "	-10% 1/3 "
R-29	72100-12	150,000 "	-10% 1/3 "
R-30	72080-12	22,000 "	-10% 1/3 "
R-31	72114-12	560,000 "	-10% 1/3 "
R-32	72080-12	22,000 "	-10% 1/3 "
R-33	72050-12	1,200 "	-10% 1/3 "
R-34	72096-12	100,000 "	-10% 1/3 "
R-35	72096-12	100,000 "	-10% 1/3 "
R-36	72066-12	5,600 "	-10% 1/3 "
R-37	72204-31	3,300 "	- 5% 1/2 "
R-38	72312-12	100 "	-10% 1 "
R-39	72229-31	36,000 "	- 5% 1/2 "
R-40	50386	50,000 "	VOLUME CONTROL
R-41	50386	2,300 "	" "

ITEM	PART NO.	VALUE	REMARKS
CAPACITORS			
C-1	50042	50. MMFD	- 2% 500 WV
C-2	50042	50. "	- 2% 500 WV
C-3	73033-24	.1 MFD	-10% 400 WV
C-4	73016-64	.02 "	30% -10% 400 WV
C-5	50041	100. MMFD	-10% 500 WV
C-6	73014-64	.01 MFD	30% -10% 400 WV
C-7	49857	20. "	100% -10% 25 WV
C-8		20. "	100% -10% 400 WV
C-9	73010-26	.005 "	-10% 600 WV
C-10	73099-220	.5 "	-10% 200 WV
C-11	73014-22	.01 "	-10% 200 WV
C-12	73033-22	.1 "	-10% 200 WV
C-13	73289-480	8. "	50% -10% 400 WV
C-14	73004-26	.001 "	-10% 600 WV
C-15	73099-640	.5 "	30% -10% 400 WV
C-16	73014-64	.01 "	30% -10% 400 WV
C-17	73293-210	20. "	150% -10% 25 WV
C-18	73004-26	.001 "	-10% 600 WV
C-19	73020-64	.05 "	30% -10% 400 WV
C-20	73014-64	.01 "	30% -10% 400 WV
C-21	73003-26	.00075 "	-10% 600 WV
C-22	49919	10. "	100% -10% 400 WV
C-23		10. "	100% -10% 400 WV
C-24	49910	20. "	100% -10% 25 WV
C-25		20. "	100% -10% 25 WV
C-26		40. "	100% -10% 400 WV
C-27	73014-64	.01 "	30% -10% 400 WV
C-28	73390	.0002 "	-20% 500 WV
C-29	73093-640	.1 "	-30% -10% 400 WV
C-30	73093-640	.1 "	30% -10% 400 WV
C-31	73014-22	.01 "	-10% 200 WV
C-32	40150	50. "	-50% -10% 400 WV

CABLES

50189 140 MMFD 10% -0% EXTENSION CABLE

TRANSFORMERS

T-1	49788		OUTPUT
T-2	49621	50-60 CYCLE	POWER 506
T-3	50832	25 "	" 507
T-4	49579		MATCHING

MODEL 1100 SERIAL
2,100,001 to 2,103,847

THE RUDOLPH WURLITZER CO.

L-1	49856
L-2	50395
L-3	50538

CHOKES

OSCILLATOR COIL

7.	HENRIES
.155	"

RELAYS

S.P.D.T.

OPTIONAL

50385	130	OHMS
40144	130	"
48867	130	"

VOLTAGE AND CURRENTS OF MODELS 506 & 507 AMPLIFIERS
ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER
ALL MEASUREMENTS MADE WITH LINE AT 117 VOLTS 25 OR 60
CYCLE FOR VOLTAGES OVER 50 USE 500 VOLT SCALE

PRE-AMPLIFIER VOLTAGES TO BE READ WITH VOLTOHMYST JUNIOR OR EQUIVALENT

AVERAGE PLATE & SCREEN VOLTAGE MEASURED TO CHASSIS

6L6G	PLATE	315	VOLTS
6L6G	SCREEN	320	"
6SN7	PLATE #5	205	"
6SN7	PLATE #2	100	"
6SJ7	PLATE	85	"
6SJ7	SCREEN	25	"
6J5	PLATE	180	"

AVERAGE PLATE & SCREEN CURRENT

6L6G	PLATE	680	MA	DC
6L6G	SCREEN	52	"	"
6SN7	PLATE #5	39	"	"
6SN7	PLATE #2	1.5	"	"
6SJ7	PLATE	0.8	"	"
6SJ7	SCREEN	0.2	"	"
6J5	PLATE	2.7	"	"

AVERAGE VOLTAGE ACROSS CONDENSER

C-31	320	VOLTS	DC
C-29	320	"	"
C-30	20	"	"
C-28	285	"	"
C-10	275	"	"
C-9	285	"	"
C-11	180	"	"

AVERAGE FILAMENT VOLTAGE

6L6G	6.3	VOLTS	AC
6SN7	6.3	"	"
6SJ7	6.3	"	"
6J5	6.3	"	"

FILAMENT VOLTAGES ARE 9.9 FOR ACCELERATED CATHODE
HEATING WHEN FILAMENTS ARE COOL

5U4G	5.	VOLTS	AC
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AVERAGE VOLTAGE ACROSS CONDENSER & RESISTOR

C-7	4.	VOLTS	DC
C-8	245.	"	"
R-1	5.	"	"

6SN7	AVERAGE FILAMENT VOLTAGE	6.3	VOLTS	AC
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