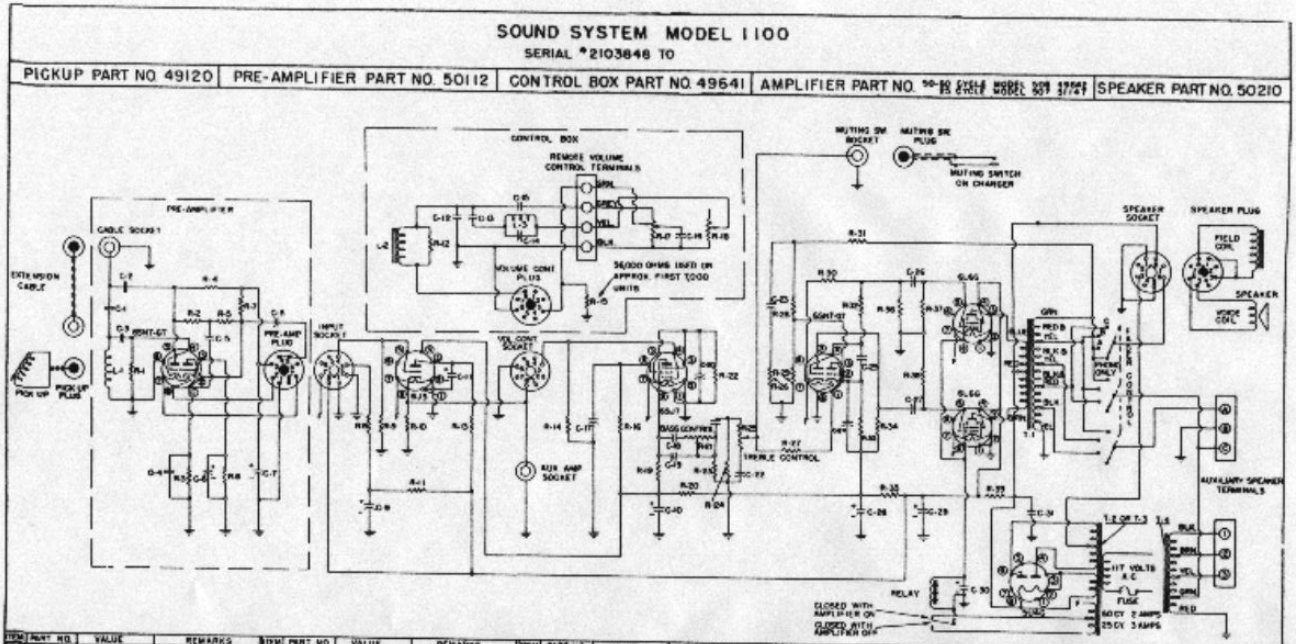

ITEM	PART NO.	VALUE	REMARKS
	RESISTORS		
R-1	72264-41	10000000 OHMS	5% 1/2 WATT
R-2	72268-11	810000 OHMS	5% 1/3 WATT
R-3	72934-41	470000 OHMS	20% 1/2 WATT
R-4	72577-11	51000 OHMS	5% 1 WATT
R-5	72240-41	100000 OHMS	5% 1/2 WATT
R-6	72258-12	2700 OHMS	10% 1/3 WATT
R-7	72240-42	100000 OHMS	10% 1/2 WATT
R-8	72268-12	6800 OHMS	10% 1/3 WATT
R-9	72150-12	1000000 OHMS	10% 1/3 WATT
R-10	72268-12	3300 OHMS	10% 1/3 WATT
R-11	72268-12	6800 OHMS	10% 1/3 WATT
R-12	72272-12	10000 OHMS	10% 1/3 WATT
R-13	72290-12	56000 OHMS	10% 1/3 WATT
R-14	72114-12	560000 OHMS	10% 1/3 WATT
R-15	72268-12	27000 OHMS	10% 1/3 WATT
R-16	72180-11	10000000 OHMS	10% 1/3 WATT
R-17	50388	50000 OHMS	VOLUME CONTROL

ITEM	PART NO.	VALUE	REMARKS
R-18	50386	2300 OHMS	VOLUME CONTROL
R-19	72406-12	270000 OHMS	10% 1/3 WATT
R-20	72272-12	10000 OHMS	10% 1/3 WATT
R-21	49789	6500000 OHMS	BASS CONTROL
R-22	72040-12	1000 OHMS	10% 1/3 WATT
R-23	72106-12	270000 OHMS	10% 1/3 WATT
R-24	72114-12	560000 OHMS	10% 1/3 WATT
R-25	49237	230000 OHMS	TREBLE CONTROL
R-26	72054-12	1800 OHMS	10% 1/3 WATT
R-27	72090-12	56000 OHMS	10% 1/3 WATT
R-28	72098-3	4700 OHMS	2% 1/2 WATT
R-29	72098-31	4700 OHMS	2% 1/2 WATT
R-30	72050-12	1200 OHMS	10% 1/3 WATT
R-31	72098-31	4700 OHMS	2% 1/2 WATT
R-32	72114-12	560000 OHMS	10% 1/3 WATT
R-33	72100-12	150000 OHMS	10% 1/3 WATT
R-34	72060-12	82000 OHMS	10% 1/3 WATT
R-35	72066-12	5600 OHMS	10% 1/3 WATT

ITEM	PART NO.	VALUE	REMARKS
R-36	72080-12	22000 OHMS	10% 1/3 WATT
R-37	72094-12	100000 OHMS	10% 1/3 WATT
R-38	72198-12	100000 OHMS	10% 1/3 WATT
R-38	72312-12	150 OHMS	10% 1 WATT
	CAPACITORS		
C-1	50042	.00005 MFD	2% CERAMIC
C-2	50042	.00009 MFD	2% CERAMIC
C-3	73053-24	.1 MFD	20% 400 W.V.
C-4	50041	.0001 MFD	10% CERAMIC
C-5	73016-24	.02 MFD	+80%-10% 400 W.V.
C-6	49857	.25 MFD	+80%-0% 25 W.V.
		.25 MFD	+80%-0% 400 W.V.
C-7	73014-24	.01 MFD	+30%-10% 400 W.V.
C-8	49818	.01 MFD	+30%-10% 400 W.V.
		.1 MFD	+80%-10% 400 W.V.
C-9		.10 MFD	+80%-10% 400 W.V.
C-10		.10 MFD	+80%-10% 400 W.V.
C-11	73099-40	.6 MFD	+30%-10% 400 W.V.
C-12	73010-28	.005 MFD	±10% 600 W.V.
C-13	73099-20		MFD ±10% 200 W.V.

ITEM	PART NO.	VALUE	REMARKS
C-14	73014-22	.01 MFD	20% 200 W.V.
C-15	73053-22	.1 MFD	10% 200 W.V.
C-16	73014-22	.01 MFD	10% 200 W.V.
C-17	73053-64	.1 MFD	+30%-10% 400 W.V.
C-18	73020-64	.05 MFD	+30%-10% 400 W.V.
C-19	73004-26	.001 MFD	20% 600 W.V.
C-20	73099-620	.5 MFD	+30%-10% 200 W.V.
C-21	73014-64	.01 MFD	+80%-10% 400 W.V.
C-22	73003-26	.00075 MFD	10% 600 W.V.
C-23	73003-26	.00075 MFD	10% 600 W.V.
C-24	73003-26	.00075 MFD	10% 600 W.V.
C-25	73014-64	.01 MFD	+30%-10% 400 W.V.
C-26	73053-64	.1 MFD	+30%-10% 400 W.V.
C-27	73053-64	.1 MFD	+30%-10% 400 W.V.
C-28		80 MFD	+80%-10% 400 W.V.
C-29	49240	40 MFD	+80%-10% 400 W.V.
C-30		20 MFD	+80%-10% 25 W.V.
C-31	40150	50 MFD	+50%-10% 400 W.V.

ITEM	PART NO.	VALUE	REMARKS
			TRANSFORMERS
T-1	49788		OUTPUT
T-2	49821	50-60 CYCLE	POWER 90#
T-3	50838	25 CYCLE	POWER 50#
T-4	49579		MATCHING
		CHOKES	
L-1	49856		OSCILLATOR COIL
L-2	50395	7 HENRIES	
L-3	50536	195 HENRIES	
		RELAYS	
	51828	120 OHMS	SPDT
	40144	120 OHMS	SPDT OPTIONAL
	48867	130 OHMS	SPDT
		CABLE	
	50189	150 MMFD-40%-0%	EXTENSION CABLE

VOLTAGES & CURRENTS OF MODELS 306 & 307 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 NO USE 500 VOLT SCALE

PRE-AMPLIFIER VOLTAGES TO BE READ WITH VOLTOHMYST JUNIOR OR EQUIVALENT V.T.V.M.

AVERAGE PLATE & SCREEN VOLTAGE MEASURED TO CHASSIS			
6L6G	PLATE	315	VOLTS
6L6G	SCREEN	320	VOLTS
6SN7	PLATE #1	205	VOLTS
6SN7	PLATE #2	100	VOLTS
6SJ7	PLATE	85	VOLTS
6SJ7	SCREEN	83	VOLTS
6X5	PLATE	190	VOLTS

AVERAGE PLATE & SCREEN CURRENT			
6L6G	PLATE	60	MA DC
6L6G	SCREEN	5.2	MA DC
6SN7	PLATE #1	9	MA DC
6SN7	PLATE #2	1.5	MA DC
6SJ7	PLATE	0.8	MA DC
6SJ7	SCREEN	0.2	MA DC
6X5	PLATE	57	MA DC

AVERAGE VOLTAGE ACROSS CONDENSER		
C-31	320	VOLTS DC
C-30	310	VOLTS DC
C-29	330	VOLTS DC
C-28	285	VOLTS DC
C-11	180	VOLTS DC
C-10	275	VOLTS DC
C-9	285	VOLTS DC

FILAMENT VOLTAGE		
6L6G	6.3	VOLTS AC
6L6G	6.3	VOLTS AC
6SJ7	6.3	VOLTS AC
6SN7	6.3	VOLTS AC
6X5	6.3	VOLTS AC

FILAMENT VOLTAGES ARE 5% FOR ACCELERATED CATHODE HEATING WHEN FILAMENTS ARE 100%

AVERAGE VOLTAGE ACROSS CONDENSER & RESISTOR		
C-8	4	VOLTS DC
C-7	345	VOLTS DC
R-1	5	VOLTS DC

FILAMENT VOLTAGE		
49857	6.3	VOLTS AC
5U4G	5	VOLTS AC

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

ISSUE NO. 1

PART NO. 50187

Figure 27-Model 1100 Sound System Schematic Wiring Diagram