



TUBE SOCKETS ARE VIEWED FROM UNDER SIDE OF CHASSIS.
VOLTAGE READINGS SHOWN AT SOCKET PRONGS ARE TO FLOATING GROUND AND ARE TAKEN WITH NO SIGNAL, WITH 1000 OHM PER VOLT VOLTMETER.
A.C. LINE VOLTAGE AT 117 VOLTS.
* MEASURED WITH VACUUM TUBE VOLTMETER.

SOCKET VOLTAGE AND RESISTANCE MEASUREMENTS

REF. NO.	PART NO.	DESCRIPTION
R1	G20060-222	Resistor, 2200 ohm 1/4 W
R2	G20060-223	Resistor, 22,000 ohm 1/4 W
R3	G20060-106	Resistor, 10 megohm 1/4 W
R4	G20060-224	Resistor, .22 megohm 1/4 W
R5	G20060-105	Resistor, 1 megohm 1/4 W
R6	C19927	Volume Control, 1 megohm
R7	G20060-225	Resistor, 2.2 megohm 1/4 W
R8	G20060-474	Resistor, .47 megohm 1/4 W
R9	C19928	Tone Control & Switch, .5 megohm
R10	G20060-151	Resistor, 150 ohm 1/4 W
R11	G20060-334	Resistor, .33 megohm 1/4 W
R12	G20060-220	Resistor, 22 ohm 1/4 W
R13	G20060-331	Resistor, 330 ohm 1/4 W
R14	G20070-123	Resistor, 12,000 ohm 1 W
R15	G20060-104	Resistor, .1 megohm 1/4 W
C1A-C1B	AD21111-1	Variable Condenser & Pulley Assy.
C2	G20067-503	Condenser, .05 uf 200 V, Paper
C3	G20065-500	Condenser, .00005 uf 500 V, Mica
C4	G20068-503	Condenser, .05 uf 400 V, Paper
C5	G20065-251	Condenser, .00025 uf 500 V, Mica
C6	G20068-103	Condenser, .01 uf 400 V, Paper
C7	G20068-502	Condenser, .005 uf 400 V, Paper
C8A-C8B	A21349	Electrolytic Condenser, 50-30 uf., 150V
C9	G20068-104	Condenser, .1 uf 400 V, Paper

TUBE	1	2	3	4	5	6	7	1	2	3	4	5	6	7
35W4	0	0	85AC	117AC	112AC	112AC	110DC	INF	INF	80	108	105	105	11250
12BD6 RF	0	0	37.5AC	50AC	80DC	100DC	0	† 4.2m	0	39	50	14K	12K	0
12BE6 **-8.8DC	0	0	25AC	37.5AC	100DC	100DC	0	22K	.5	25	39	12K	12K	200K
12BD6 IF	0	0	12.5AC	25AC	100DC	100DC	0	† 3.3m	0	14	25	12K	12K	0
12AT6	0	0	0	12.5AC	0	0	* 45DC	10m	0	0	14	† 3.2m	† 1.05m	482K
35B5	0	6DC	50AC	85AC	105DC	100DC	0	500K	150	50	80	12K	12K	500K

All readings are taken from the socket terminal indicated to floating ground, with AC line voltage at 117V.
Voltage measurements made with 1000 ohm per volt voltmeter except where indicated otherwise;
* Measured with a vacuum tube voltmeter.
** Average measured with a vacuum tube voltmeter. († 7.7V with variable condenser closed. - 9.8V with variable condenser open.)
† One meg. lower resistance with Phono-Radio Sw in Phono Position.

RESISTANCE OF COILS

Oscillator	First IF Transformer	Second IF Transformer	Output Transformer
Cathode winding .75 ohms	Primary winding 14 ohms	Primary winding 13 ohms	Primary 110 ohms
Grid winding 6. ohms	Secondary winding 14 ohms	Secondary winding 13 ohms	Secondary .3 ohms
Wave trap 26 ohms	B Choke 200 ohms	47.5K Resistor in Series Inside Can	