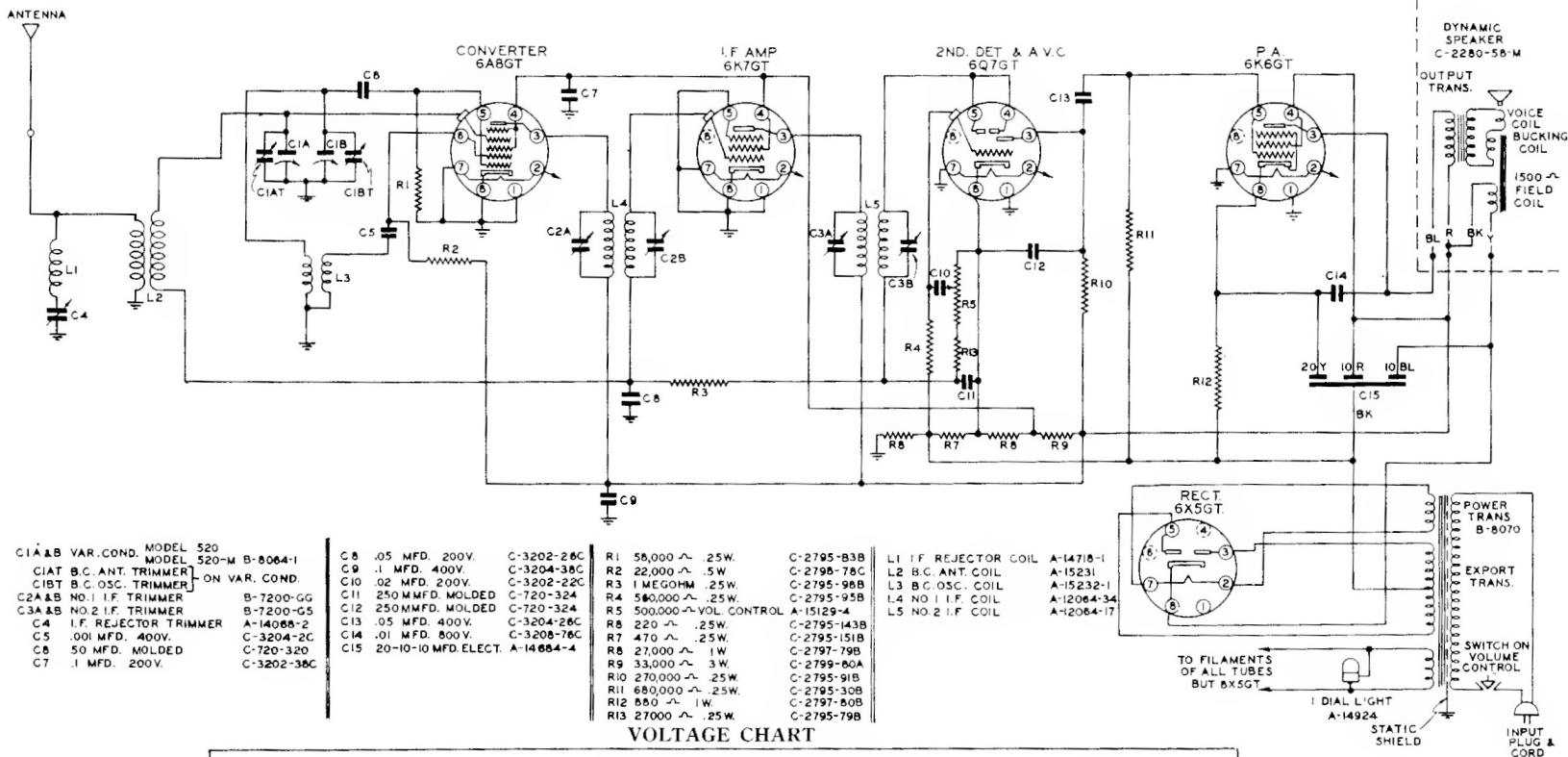


**SCHEMATIC DIAGRAM**  
**SPARTON SUPERHETERODYNE MODELS 520 & 520-M**  
**INTERMEDIATE FREQUENCY 456 K.C.**  
 TOP VIEWS OF ALL SOCKET CONNECTIONS



- C1A & B VAR. COND. MODEL 520
- CIAT B.C. ANT. TRIMMER MODEL 520-M B-8064-1
- CIBT B.C. OSC. TRIMMER ON VAR. COND.
- C2A & B NO. 1 I.F. TRIMMER B-7200-GG
- C3A & B NO. 2 I.F. TRIMMER B-7200-G5
- C4 I.F. REJECTOR TRIMMER A-14088-2
- C5 .001 MFD. 400V. C-3204-2C
- C8 50 MFD. MOLDED C-720-320
- C7 .1 MFD. 200V. C-3202-38C

- C8 .05 MFD. 200V. C-3202-26C
- C9 .1 MFD. 400V. C-3204-38C
- C10 .02 MFD. 200V. C-3202-22C
- C11 250 MMFD. MOLDED C-720-324
- C12 250 MMFD. MOLDED C-720-324
- C13 .05 MFD. 400V. C-3204-26C
- C14 .01 MFD. 800V. C-3208-76C
- C15 20-10-10 MFD. ELECT. A-14884-4

- R1 58,000 Ω .25W. C-2795-B3B
- R2 22,000 Ω .5W. C-2798-76C
- R3 1 MEG OHM .25W. C-2795-96B
- R4 580,000 Ω .25W. C-2795-95B
- R5 500,000 Ω VOL. CONTROL A-15129-4
- R8 220 Ω .25W. C-2795-143B
- R7 470 Ω .25W. C-2795-151B
- R8 27,000 Ω 1W. C-2797-79B
- R9 33,000 Ω 3W. C-2799-80A
- R10 270,000 Ω .25W. C-2795-91B
- R11 680,000 Ω .25W. C-2795-30B
- R12 880 Ω 1W. C-2797-80B
- R13 27,000 Ω .25W. C-2795-79B

- L1 I.F. REJECTOR COIL A-14718-1
- L2 B.C. ANT. COIL A-15231
- L3 B.C. OSC. COIL A-15232-1
- L4 NO. 1 I.F. COIL A-12064-34
- L5 NO. 2 I.F. COIL A-12064-17

**VOLTAGE CHART**

Line Voltage: 115 volts      Position of Volume Control: Full with Antenna Disconnected

Tube	Function	Voltage of Socket Prongs to Gnd. (See Prong Nos. on Diagram)								Grid Cap
		#1	#2	#3	#4	#5	#6	#7	#8	
6A8GT	Converter	0	0	250	67	4	175	*6.3	0	.1
6K7GT	I. F. Amp.	0	0	250	67	0	1.5	*6.3	0	.1
6Q7GT	2nd. Det. AVC-AF	0	0	65	**	**	**	*6.2	0	0
6K6GT	P. A.	0	0	225	250	0	3.5	*6.2	10	-
6X5GT	Rectifier	-	0	275*	0	275*	0	0	300	-

Notes: Voltage readings are for schematic diagram on back of sheet. Allow 15% + or - on all measurements. Always use meter scale which will give greatest deflection within scale limits. All DC measurements made with 1000 ohms per volt voltmeter. All AC voltages made with rectifier type voltmeter. Unless designated otherwise, voltages in table are + DC voltages.  
 \*AC volts.  
 \*\*Cannot be measured with Weston Analyzer #665 Type 2.