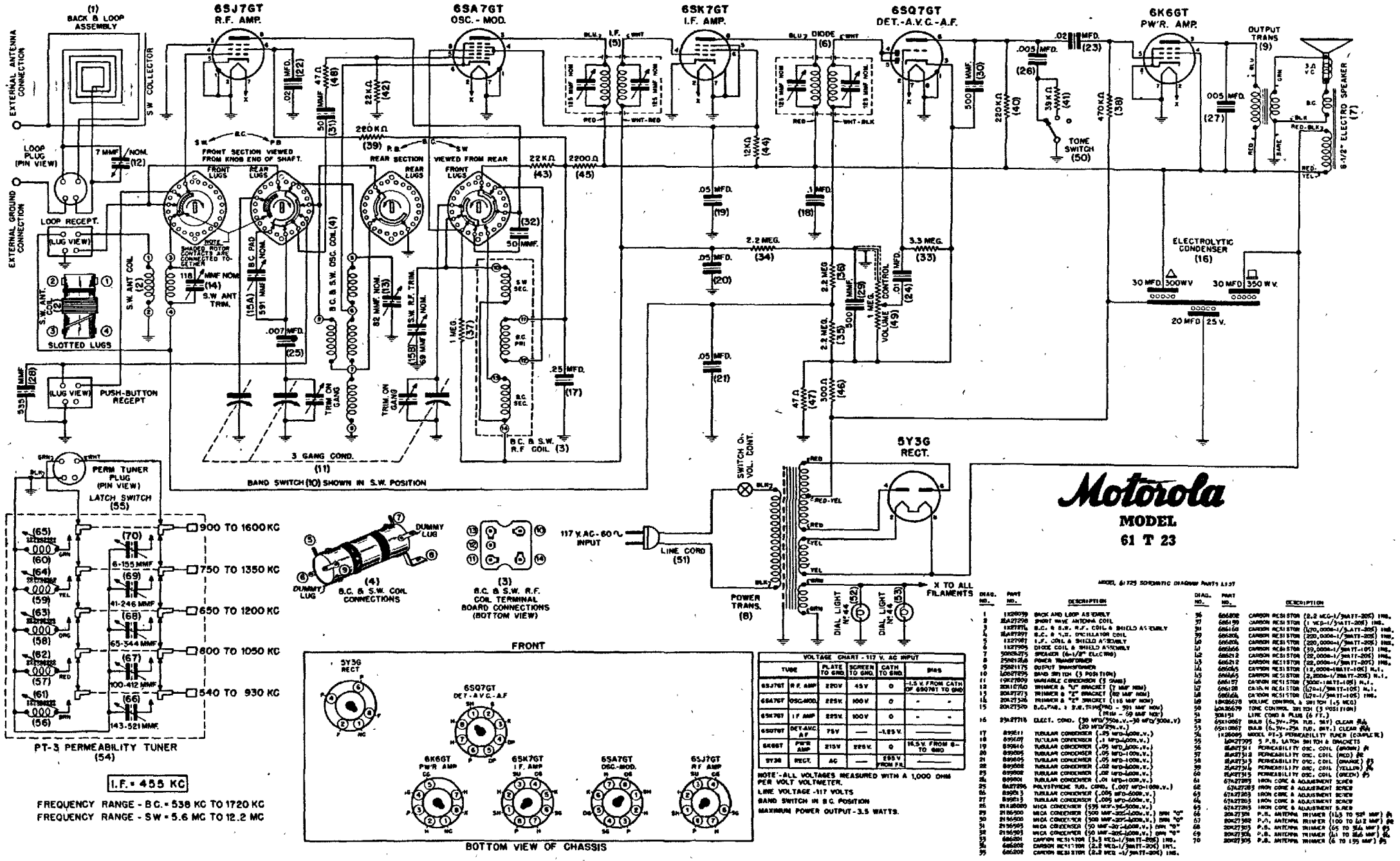

Motorola

MODEL

61 T 23

VOLTAGE CHART - 117 V. AC INPUT					
TUBE		PLATE TO GND.	SCREEN TO GND.	CATH TO GND.	BIAS
6SJ7GT	R.F. AMP	220V.	45 V.	0	-1.5 V. FROM CATH OF 690761 TO GND
6SA7GT	OSC.-MOD.	225V.	100 V.	0	- -
6SK7GT	I.F. AMP	225V.	100 V.	0	- -
6SQ7GT	DET.-AVC. AF	75V	—	-1.25 V.	
6K6GT	PWR AMP	215V	225V.	0	16.5 V. FROM G-1 TO GND
5Y3G	RECT.	AC	—	285 V. FROM PL	

NOTE - ALL VOLTAGES MEASURED WITH A 1,000 OHM PER VOLT VOLTMETER.
LINE VOLTAGE - 117 VOLTS
BAND SWITCH IN B.C. POSITION
MAXIMUM POWER OUTPUT - 3.5 WATTS.

MODEL 61T23 SCHEMATIC DIAGRAM PARTS LIST

DIAG. NO.	PART NO.	DESCRIPTION
1	1128099	BACK AND LOOP ASSEMBLY
2	25A27298	SHORT WAVE ANTENNA COIL
3	1127771	B.C. & S.W. R.F. COIL & SHIELD ASSEMBLY
4	25A27297	B.C. & S.W. OSCILLATOR COIL
5	1127987	I.F. COIL & SHIELD ASSEMBLY
6	1127905	DIODE COIL & SHIELD ASSEMBLY
7	50R36475	SPEAKER (6-1/2" ELECTRO)
8	25R21258	POWER TRANSFORMER
9	25R21175	OUTPUT TRANSFORMER
10	60R27895	BAND SWITCH (3 POSITION)
11	19R27809	VARIABLE CONDENSER (3 GANG)
12	20R16760	TRIMMER & "U" BRACKET (7 MMF NOM)
13	20R27273	TRIMMER & "Z" BRACKET (82 MMF NOM)
14	20R27340	TRIMMER & "T" BRACKET (115 MMF NOM)
15	20R27370	D.C. PAD, 1 S.W. TRIMMER (590 - 591 MMF NOM) (Also - 69 MMF NOM)
16	23A27716	ELECT. COND. (30 MFD/350 W.V.-30 MFD/300 W.V.) (20 MFD/25 W.V.)
17	595611	TUBULAR CONDENSER (.25 MFD-600 W.V.)
18	595607	TUBULAR CONDENSER (.1 MFD-600 W.V.)
19	595616	TUBULAR CONDENSER (.05 MFD-600 W.V.)
20	595595	TUBULAR CONDENSER (.05 MFD-400 W.V.)
21	595605	TUBULAR CONDENSER (.05 MFD-400 W.V.)
22	595608	TUBULAR CONDENSER (.02 MFD-600 W.V.)
23	595600	TUBULAR CONDENSER (.02 MFD-600 W.V.)
24	595604	TUBULAR CONDENSER (.01 MFD-400 W.V.)
25	5A27296	POLYSTYRENE TUB. COND. (.007 MFD-1000 W.V.)
26	595613	TUBULAR CONDENSER (.005 MFD-600 W.V.)
27	595613	TUBULAR CONDENSER (.005 MFD-600 W.V.)
28	21A18800	MICA CONDENSER (535 MMF-3% 500 W.V.)
29	21R6500	MICA CONDENSER (500 MMF-20%-600 W.V.) SEMI "G"
30	21R6500	MICA CONDENSER (500 MMF-20%-600 W.V.) SEMI "G"
31	21R5995	MICA CONDENSER (50 MMF-20%-600 W.V.) SEMI "G"
32	21R6503	MICA CONDENSER (50 MMF-20%-600 W.V.) SEMI "G"
33	686804	CARBON RESISTOR (3.3 MEG-1/2WATT-20%) INS.
34	686802	CARBON RESISTOR (2.2 MEG-1/2WATT-20%) INS.
35	686802	CARBON RESISTOR (2.2 MEG -1/2WATT-20%) INS.
36	686802	CARBON RESISTOR (2.2 MEG-1/2WATT-20%) INS.
37	686799	CARBON RESISTOR (1 MEG-1/2WATT-20%) INS.
38	686160	CARBON RESISTOR (470,0000-1/2WATT-20%) INS.
39	686804	CARBON RESISTOR (220,0000-1/2WATT-20%) INS.
40	686804	CARBON RESISTOR (220,0000-1/2WATT-20%) INS.
41	686566	CARBON RESISTOR (39,0000-1/2WATT-10%) INS.
42	686812	CARBON RESISTOR (22,0000-1/2WATT-20%) INS.
43	686812	CARBON RESISTOR (22,0000-1/2WATT-20%) INS.
44	686565	CARBON RESISTOR (12,0000-1WATT-10%) N.I.
45	686665	CARBON RESISTOR (2,2000-1/2WATT-20%) N.I.
46	686157	CARBON RESISTOR (300-1WATT-10%) N.I.
47	686128	CARBON RESISTOR (470-1/2WATT-10%) N.I.
48	686464	CARBON RESISTOR (47Ω-1/2WATT-10%) INS.
49	18R36578	VOLUME CONTROL & SWITCH (.5 MEG)
50	50R36579	TONE CONTROL SWITCH (3 POSITION)
51	308151	LINE CORD & PLUG (6 FT.)
52	65X10067	BULB (6.3V-.25A TUB. SKT) CLEAR #44
53	65X10067	BULB (6.3V-.25A TUB. SKT.) CLEAR #44
54	19R28095	MODEL PT-3 PERMEABILITY TUNER (COMPLETE)
55	40R27399	5 P.B. LATCH SWITCH & BRACKETS
56	25A27314	PERMEABILITY OSC. COIL (BROWN) #4
57	25A27312	PERMEABILITY OSC. COIL (RED) #5
58	25A27311	PERMEABILITY OSC. COIL (ORANGE) #3
59	25A27316	PERMEABILITY OSC. COIL (YELLOW) #6
60	25A27315	PERMEABILITY OSC. COIL (GREEN) #5
61	67A27393	IRON CORE & ADJUSTMENT SCREW
62	67A27283	IRON CORE & ADJUSTMENT SCREW
63	67A27393	IRON CORE & ADJUSTMENT SCREW
64	67A27283	IRON CORE & ADJUSTMENT SCREW
65	67A27393	IRON CORE & ADJUSTMENT SCREW
66	20R27391	P.B. ANTENNA TRIMMER (11.5 TO 52 MMF) #6
67	20R27382	P.B. ANTENNA TRIMMER (100 TO 412 MMF) #6
68	20R27393	P.B. ANTENNA TRIMMER (65 TO 344 MMF) #5
69	20R27394	P.B. ANTENNA TRIMMER (31 TO 246 MMF) #4
70	20R27395	P.B. ANTENNA TRIMMER (6 TO 155 MMF) #3