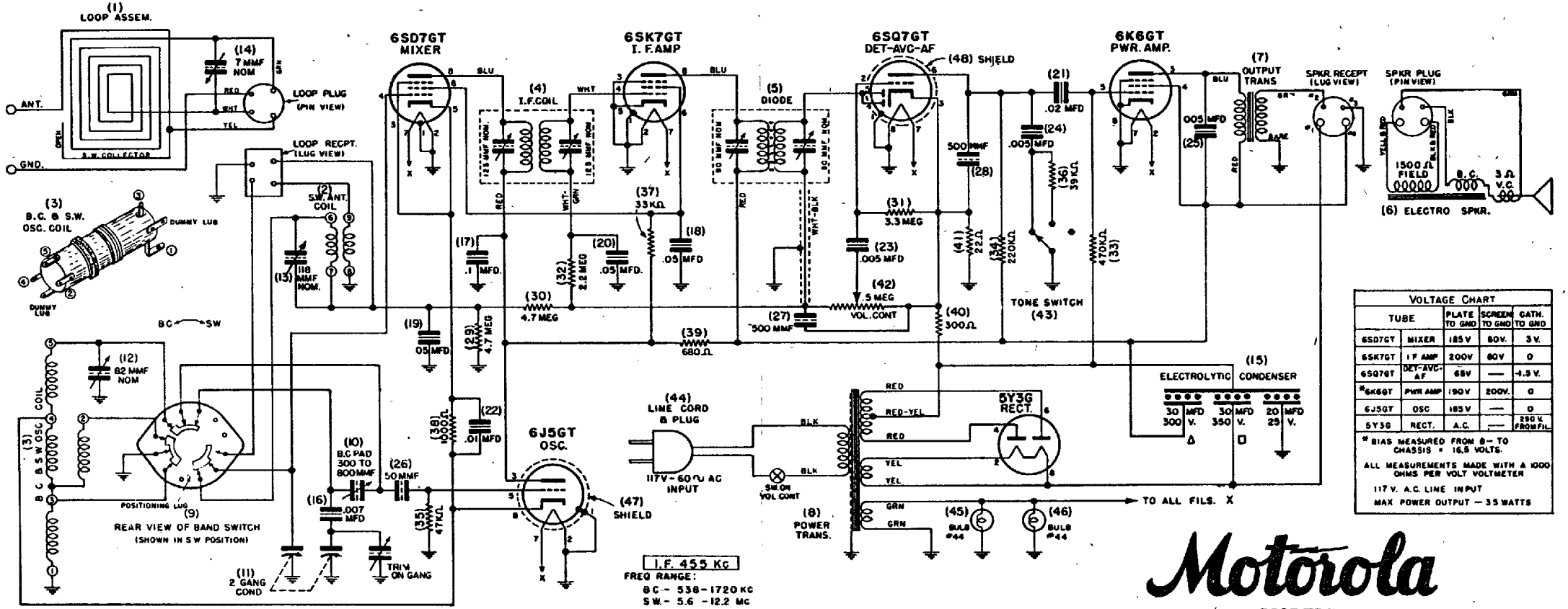


VOLTAGE CHART				
TUBE		PLATE TO GND	SCREEN TO GND	CATH. TO GND
6SD7GT	MIXER	185 V	80 V.	3 V.
6SK7GT	I F AMP	200V	80V	0
6SQ7GT	DET-AVC-AF	68V	—	-1.5 V.
*6K6GT	PWR AMP	190 V	200V.	0
6J5GT	OSC	185 V	—	0
5Y3G	RECT.	A.C.	—	250 V. FROM FIL

* BIAS MEASURED FROM 8— TO CHASSIS = 16.5 VOLTS.

ALL MEASUREMENTS MADE WITH A 1000 OHMS PER VOLT VOLTMETER

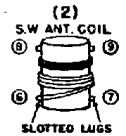
117 V. A.C. LINE INPUT

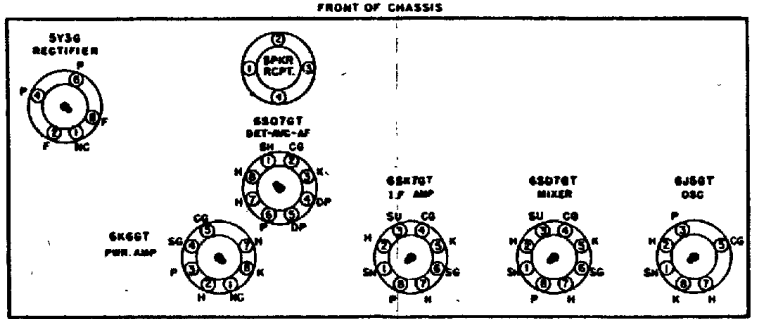
MAX POWER OUTPUT — 35 WATTS

Motorola

MODELS

61 T 21





MODEL 61T21 SCHEMATIC DIAGRAM PARTS LIST

DIAG. NO.	PART NO.	DESCRIPTION
1	1X2T482	BACK & LOOP ASSEMBLY
2	3A27898	SHORT WAVE ANTENNA COIL
3	3A27897	B.C. & S.W. OSCILLATOR COIL
4	1X28042	I.F. COIL & SHIELD ASSEMBLY
5	1X28040	DIODE COIL & SHIELD ASSEMBLY
6	50R21574	SPEAKER (6" ELECTRO)
7	3A21175	OUTPUT TRANSFORMER
8	3A21258	POWER TRANSFORMER
9	1A42041	BAND SWITCH (2 POSITION)
10	20A17935	B.C. PADDER (RANGE 300 MMF TO 800 MMF)
11	19A27006	VARIABLE CONDENSER (2 GANG)
12	20A27273	TRIMMER & "2" BRACKET (82 MMF NOM)
13	29A27325	TRIMMER & "2" BRACKET (118 MMF NOM)
14	20A19760	TRIMMER & "1" BRACKET (7 MMF NOM)
15	3A27718	ELECT. COND. (30 MFD/350W.V.-30 MFD/300W.V.) (20 MFD/25W.V.)
16	8A27896	POLYSTYRENE TUB. COND. (.007 MFD-5%-100W.V.)
17	859807	TUBULAR CONDENSER (.1 MFD-400W.V.)
18	859816	TUBULAR CONDENSER (.05 MFD-400W.V.)
19	859805	TUBULAR CONDENSER (.05 MFD-100W.V.)
20	859605	TUBULAR CONDENSER (.05 MFD-400W.V.)
21	859802	TUBULAR CONDENSER (.02 MFD-400W.V.)
22	859804	TUBULAR CONDENSER (.01 MFD-100W.V.)
23	859813	TUBULAR CONDENSER (.005 MFD-600W.V.)
24	859813	TUBULAR CONDENSER (.005 MFD-600W.V.)
25	859813	TUBULAR CONDENSER (.005 MFD-600W.V.)
26	21R6503	MOLDED MICA COND. (50 MMF-20%-400W.V.) BRN "G"
27	21R5500	MOLDED MICA COND. (500 MMF-20%-400W.V.) BRN "D"
28	21R6500	MOLDED MICA COND. (500 MMF-20%-400W.V.) BRN "D"
29	686358	CARBON RESISTOR (4.7 MEG-1/2WATT-20%) INS.
30	686368	CARBON RESISTOR (4.7 MEG-1/2WATT-20%) INS.
31	686201	CARBON RESISTOR (3.3 MEG-1/2WATT-20%) INS.
32	686302	CARBON RESISTOR (2.2 MEG-1/2WATT-20%) INS.
33	686160	CARBON RESISTOR (470,000Ω-1/2WATT-20%) INS.
34	686304	CARBON RESISTOR (220,000Ω-1/2WATT-20%) INS.
35	686321	CARBON RESISTOR (47,000Ω-1/2WATT-20%) INS.
36	686566	CARBON RESISTOR (39,000Ω-1/2WATT-10%) INS.
37	686568	CARBON RESISTOR (33,000Ω-1/2WATT-10%) INS.
38	686172	CARBON RESISTOR (1,000Ω-1/2WATT-20%) INS.
39	686086	CARBON RESISTOR (680Ω-1/2WATT-20%) N.I.
40	686187	CARBON RESISTOR (300Ω-1WATT-10%) N.I.
41	686356	CARBON RESISTOR (22Ω-1/2WATT-10%) INS.
42	18A26678	VOLUME CONTROL & SW. ASSY. (1.5 MEG)
43	20A26679	TONE CONTROL SWITCH (3 POS.)
44	30A151	LINE CORD & PLUG (6 FT.)
45	6SA10857	BULB (6.3V-.25A TUB. BAY) CLEAR #44
46	6SA10857	BULB (6.3V-.25A TUB. BAY) CLEAR #44
47	8A11760	SHIELD
48	8A11760	SHIELD