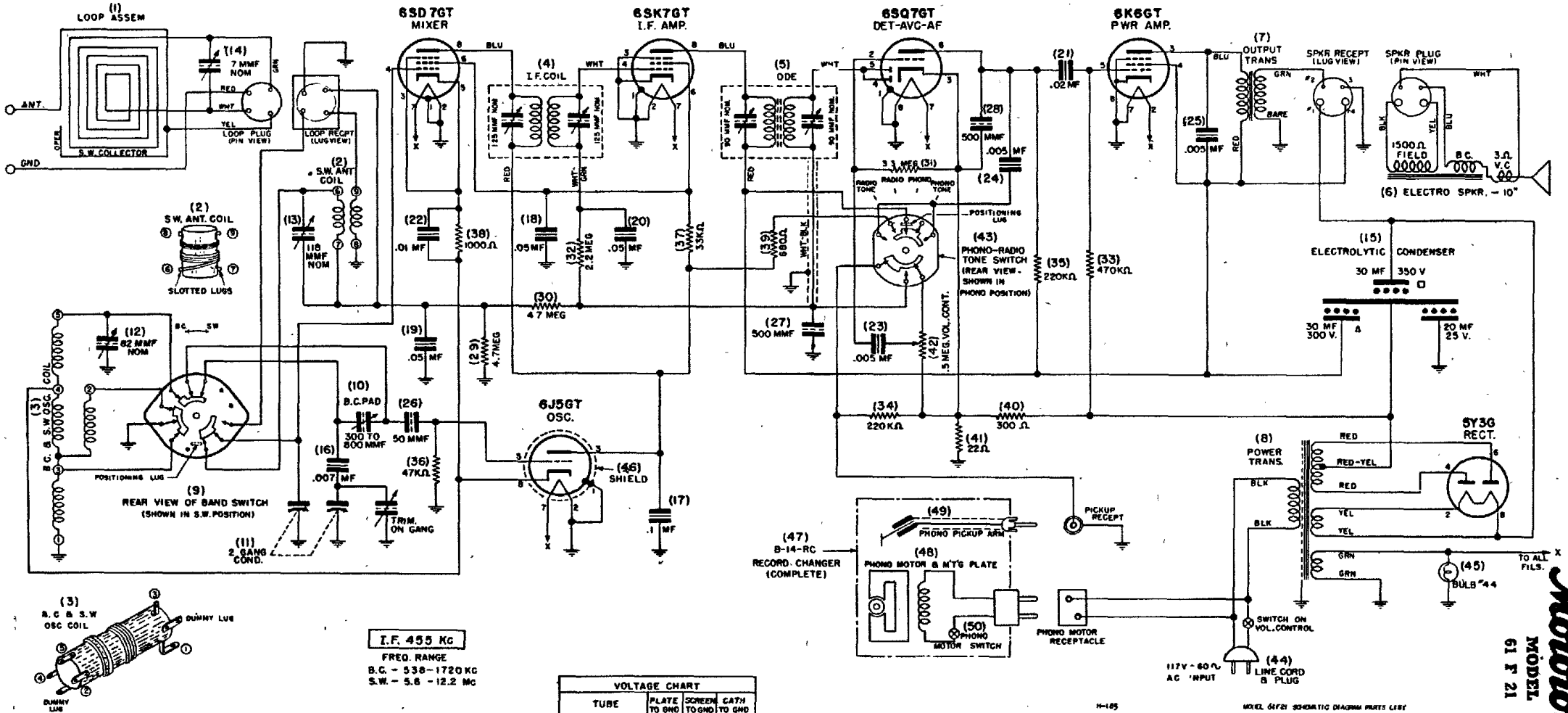
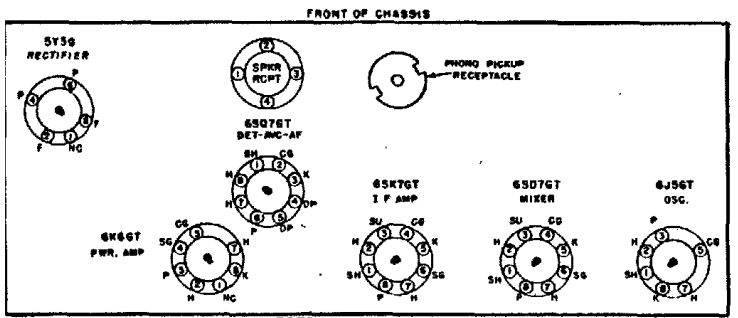


I.F. 455 Kc

FREQ. RANGE
B.C. - 538 - 1720 KC
S.W. - 5.8 - 12.2 MC



BOTTOM VIEW OF CHASSIS

VOLTAGE CHART				
TUBE		PLATE TO GND	SCREEN TO GND	CATH TO GND
6SD7GT	MIXER	185 V.	80 V	3 V.
6SK7GT	I F AMP.	200 V	80 V	0
6SQ7GT	DET-AVC-AF	85 V.	—	-1.5 V
*6K6GT	PWR. AMP	190 V.	200 V	0
6J5GT	OSC.	185 V.	—	0
5Y3G	RECT	A.C.	—	290 V FROM FIL

*BIAS MEASURED FROM G- TO CHASSIS = 16.5 VOLTS

ALL MEASUREMENTS MADE WITH A 1000 OHMS PER VOLT VOLTMETER

VOLTAGES MEASURED WITH PHONO-RADIO TONE SWITCH IN PHONO POSITION.

117 VOLT A C LINE INPUT

MAX POWER OUTPUT - 3.5 WATTS

H-185

MODEL 61F21 SCHEMATIC DIAGRAM PARTS LIST

DIAG. NO.	PART NO.	DESCRIPTION
1	1X28194	BACK & LOOP ASSEMBLY
2	8A27298	SHORT WAVE ANTENNA COIL
3	2A27297	B.C. & S.W. OSCILLATOR COIL
4	1X28299	I.F. COIL & SHIELD ASSEMBLY
5	1X28008	DIODE COIL & SHIELD ASSEMBLY
6	50827576	SPEAKER (10" ELECTRO)
7	25A21175	OUTPUT TRANSFORMER
8	25A21268	POWER TRANSFORMER
9	20A28064	BAND SWITCH (2 POSITION)
10	20A17995	B.C. PADDER (RANGE 300 MMF TO 800 MMF)
11	1X28006	GANG & PULLEY ASSEMBLY (2 GANG)
12	20A27273	TRIMMER & "Z" BRACKET (82 MMF NOM)
13	20A27265	TRIMMER & "Z" BRACKET (118 MMF NOM)
14	20A18760	TRIMMER & "U" BRACKET (7 MMF NOM)
15	25A27716	ELECT. COND. (30 MFD/350W.V.-30 MFD/300W.V.) (20 MFD/25W.V.)
16	8A27296	POLYSTYRENE TUN. COND. (.007 MFD-5%-1000W.V.)
17	8B9807	TUBULAR CONDENSER (.1 MFD-600W.V.)
18	8B9816	TUBULAR CONDENSER (.05 MFD-600W.V.)
19	8B9805	TUBULAR CONDENSER (.05 MFD-100W.V.)
20	8B9805	TUBULAR CONDENSER (.05 MFD-100W.V.)
21	8B9802	TUBULAR CONDENSER (.02 MFD-600.V.)
22	8B9804	TUBULAR CONDENSER (.01 MFD-100W.V.)
23	8B9813	TUBULAR CONDENSER (.005 MFD-600W.V.)
24	8B9813	TUBULAR CONDENSER (.005 MFD-600W.V.)
25	8B9813	TUBULAR CONDENSER (.005 MFD-600W.V.)
26	2186905	MOLDED MICA COND. (50 MMF-20%-600W.V.) BRN "0"
27	2186900	MOLDED MICA COND. (500 MMF-20%-600W.V.) BRN "0"
28	2186900	MOLDED MICA COND. (500 MMF-20%-600W.V.) BRN "0"
29	6A6958	CARBON RESISTOR (4.7 MEG-1/2W-TT-20%)
30	6A6958	CARBON RESISTOR (4.7 MEG-1/2W-TT-20%)
31	6A6804	CARBON RESISTOR (3.3 MEG-1/2W-TT-20%)
32	6A6802	CARBON RESISTOR (2.2 MEG-1/2W-TT-20%)
33	6A6160	CARBON RESISTOR (470,000Ω-1/2W-TT-20%)
34	6A6949	CARBON RESISTOR (220,000Ω-1/2W-TT-10%)
35	6A6204	CARBON RESISTOR (220,000Ω-1/2W-TT-20%)
36	6A6301	CARBON RESISTOR (47,000Ω-1/2W-TT-20%)
37	6A6793	CARBON RESISTOR (33,000Ω-1/2W-TT-10%)
38	6A6172	CARBON RESISTOR (1,000Ω-1/2W-TT-20%)
39	6A6026	CARBON RESISTOR (680Ω-1/2W-TT-20%)
40	6A6187	CARBON RESISTOR (300Ω-1WW-TT-10%)
41	6A6171	CARBON RESISTOR (22Ω-1/2W-TT-10%)
42	1A256678	VOLUME CONTROL & SW. ION (.5 MEG)
43	20A28106	PHONO-RADIO & TONE SWITCH
44	30K21899	LINE CORD & PLUG (9 FT.)
45	6SH1067	BULB (6.3V-.25A R.M. BAY) CLEAR R44
46	3B49J250	SWITCH SHIELD
47	1X27890	MODEL 8-14-RC RECORD CHANGER (COMPLETE)
48	99827587	PHONO MOTOR & MTG. PLATE (117V-60 CYCLES)
49	99K28760	PHONO PICKUP ARM (COMPLETE)
50	20A27166	SLIDER SWITCH & SHELL (PHONO MOTOR ON-OFF)

Motorola

MODEL 61 F 21