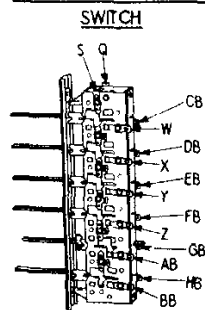
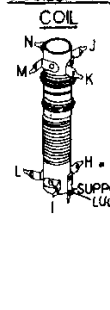


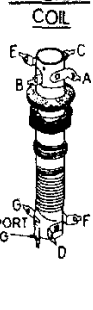
PUSH BUTTON TUNER



OSCILLATOR

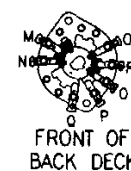


ANTENNA

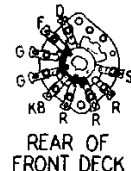
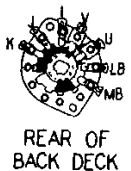


NOTE
TERMINALS OF SWITCHES AND COILS SHOWN IN THE PICTORIAL VIEWS, ARE LETTERED TO CORRESPOND TO SIMILARLY LETTERED TERMINALS ON THE CIRCUIT DIAGRAM AT THE RIGHT. TERMINALS WHICH ARE CONNECTED TOGETHER CARRY THE SAME LETTER.

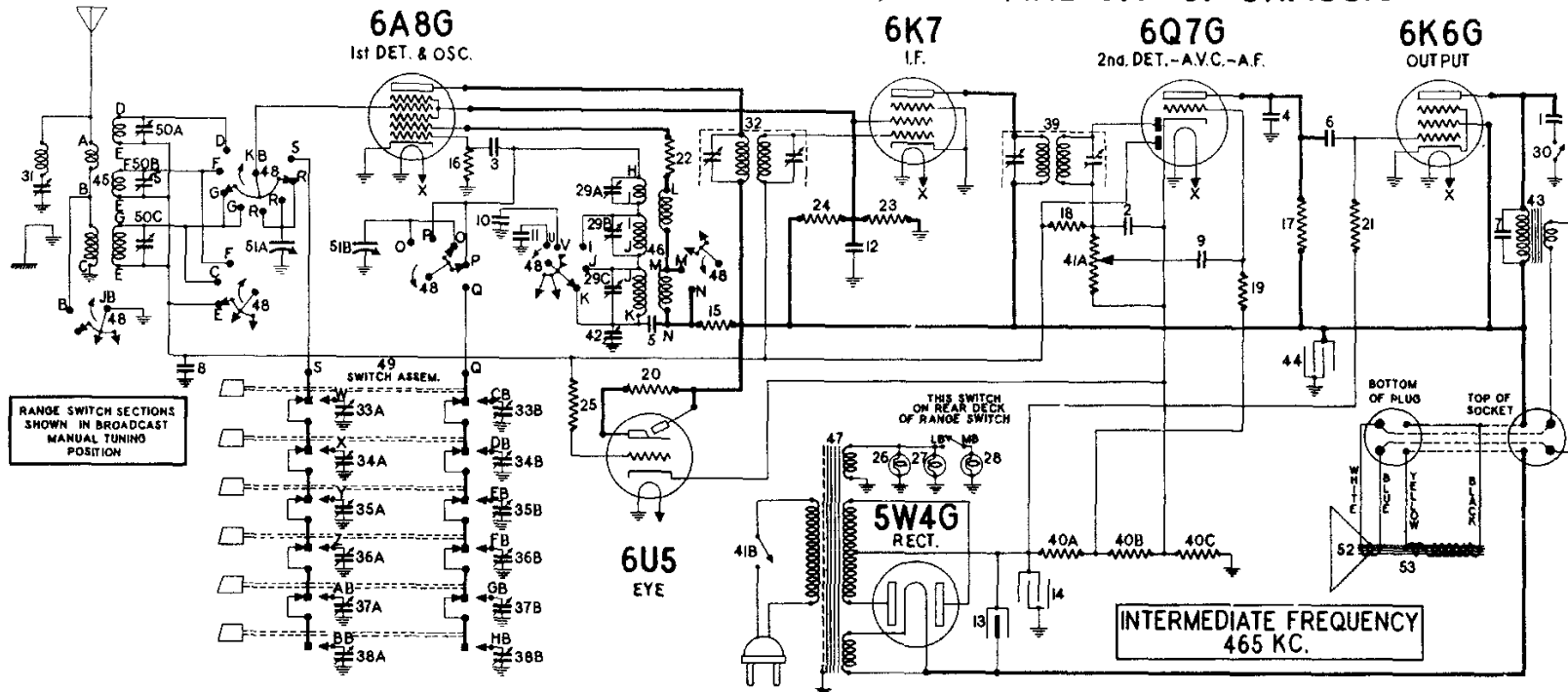
FRONT OF FRONT DECK



RANGE SWITCH



STEWART-WARNER MODELS 91-61, 98-61 AND 910-61 CHASSIS

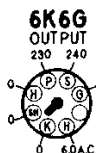


SOCKET VOLTAGES

ANTENNA GROUNDED

DIAL TUNED TO 540 KC.

BOTTOM VIEW OF CHASSIS



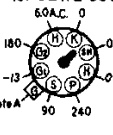
VOLTAGES MEASURED BETWEEN SOCKET TERMINALS AND CHASSIS

LINE VOLTAGE 117 VOLTS

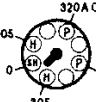
TUNING EYE VOLTAGES MEASURED AT CHASSIS END OF CABLE
RED -2.6
BROWN -2.6
GREEN-WHITE -2.6
BLUE -2.6
BLACK -2.6

VOLTAGE ACROSS SPEAKER FIELD 65 VOLTS

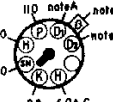
6A8G 1st DET. & OSC.



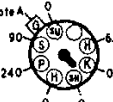
5W4G RECTIFIER 320A.C.



6Q7G 2nd DET.-A.V.C.-A.F.



6K7 I.F.



REAR OF CHASSIS

Use a high resistance voltmeter of 1000 ohms per volt.

NOTE A: The bias for the control grids of the 6A8-G, 6K7, 6U5, and the diode plates of the 6Q7-G tubes is -2.6 volts measured across resistor 40C.

NOTE B: The bias for the control grid of the triode sections of the 6Q7-G is -4.3 volts measured across resistor 43B and 40C.

NOTE C: The bias for the control grid of the 6K6-G output tubes is -18 volts measured across resistor 40A, 40B and 40C.

Stewart-Warner Corp.
1826 Diversey Parkway
Chicago, Illinois

ELECTRICAL PARTS

DIAGRAM NUMBER	PART NUMBER	DESCRIPTION	LIST PRICE
1	83217	Condenser - paper .04 mfd. 800 V.	.35
2	83539	Condenser - mica .001 mfd. (3%)	.20
3	85081	Condenser - mica .0025 mfd. (3%)	.15
4	85294	Condenser - mica .001 mfd. (3%)	.25
5-8	83030	Condenser - paper .01 mfd. 400 V.	.25
7	88185	Condenser - ceramic tube .008 mfd. 800 volt.	.25
8-9	88189	Condenser - paper .05 mfd. 200 V.	.25
10	88473	Condenser - mica .001 mfd. (3%)	.25
11	88881	Condenser - mica .0025 mfd. (3%)	.30
12	89421	Condenser - paper .1 mfd. 200 V.	.25
13	89937	Condenser - elect. 30 mfd. 450 V.	1.80
14	110377	Condenser - elect. 10 mfd. 25 V.	.80
15	110550	Resistor - carb. 10,000 ohms 1/4 W.	.15
16	110552	Resistor - carb. 47,000 ohms 1/4 W.	.12
17	110553	Resistor - carb. 220,000 ohms 1/4 W.	.12
18-19-20	110554	Resistor - carb. 1 meg. 1/4 watt.	.12
21	110555	Resistor - carb. 470,000 ohms 1/4 W.	.12
22	110556	Resistor - carb. 100 ohm 1/4 watt.	.12
23	110561	Resistor - carb. 15,000 ohm 1 W.	.30
24	110562	Resistor - carb. 15,000 ohm 1 W.	.15
25	110570	Resistor - carb. 2.2 meg. 1/4 watt.	.15
26-27-28	110529	Lamp - 6.3 volt .25 amp.	.15
29A to 29C	112072	Condenser - trimmer - 3 section--	.45
30	112793	Switch - tone control--	.40
31	112798	Coil - wave trap (with trimmer)--	1.80
32	112803	Transformer - 1st I.F.--	1.20
33A - 33B	112942	trimmer (1100 KC to 1700 KC)--	.36
34A - 34B	112943	trimmer (1100 KC to 1700 KC)--	.36
35A - 35B	112944	trimmer (770 KC to 1350 KC)--	.45
36A - 36B	112945	trimmer (770 KC to 1350 KC)--	.45
37A - 37B	112946	trimmer (550 KC to 1000 KC)--	.60
38A - 38B	112947	trimmer (550 KC to 1000 KC)--	.60

PARTS LIST

DIAGRAM NUMBER	PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
39	113047	Transformer - 2nd I.F.	1.10	89746	Washer - (paper) for back of knobs--	.006
40A to 40C	113057	Resistor - Metal Glad. Section A - 160 ohms 1 watt Section B - 25 ohms 1 watt Section C - 40 ohms 1 watt	.48	110496	Plug - speaker (4 prong)--	.12
41A - 41B	113062	Volume Control - (500,000 ohms with switch)	.32	110501	Socket - 4 prong (for speaker)--	.18
42	113063	Condenser - paper	.36	110629	Washer - flat steel, for mtg. chassis--	.01
43	113064	Transformer - output	1.70	111085	Sleeve - felt for tuning eye--	.03
44	113065	Condenser - elect. 8 mfd. 450 V.	.94	111302	Cord - dial drive 8 or 50 ft. lgths. Per ft.	.05
45	113066	Coil - antenna	1.20	111357	Spring - drive cord tension--	.02
46	113071	Coil - oscillator	.36	111855	Shield Base - for tube shields--	.02
47	113078	Transformer - power 117 volt (50-60 cycle)	4.00	112283	Drum & Bushing - for dial drive--	.35
48	113079	Transformer - power 117 volt (25 cycle)	6.00	112798	Clip - for mtg. wave trap coil--	.01
49	113083	Switch - range	1.80	112874	Screw - #10 x 1 1/8 chassis mtg.	.01
50A to 50C	113098	Condenser - trimmer (3 section)--	1.25	112879	Screw - P.B. escutcheon mtg. #2 X 3/8	.01
51A - 51B	113250	Condenser - variable gang	3.00	113019	Clip - dial scale retaining--	.01
52	R-113342	Cone - voice coil assem. for R-115011 speaker	1.80	113025	Socket - octal base (with special ground)--	.15
53	R-115011	Speaker - dynamic 8 inch--	8.00	113040	Light Shield - cardboard (between button holes and dial frame)--	.08
				113041	Knob - push on--	.10
				113077	Shield - tube--	.10
				115080	Shaft - dial drive--	.12
				113088	Bracket - dial frame & light--	.34
				113089	Scale - dial--	1.20
				113093	Socket - for dial lamp--	.18
				113098	Escutcheon - dial--	1.80
				113099	Escutcheon - push button--	1.44
				113101	Pointer--	.18
				113102	Push Button - only--	.08
				113105	Knob - Push on--	.10
				113130	Cable & Plug - for tuning eye--	.55
				113189	Tab - celluloid - for push button--Per dz.	.09
				113321	Tab - station call letters (4 sheets) (brown)--	.40
				113323	Tab - trimmer range (550 to 1000)--Per dz.	.09
				113324	Tab - trimmer range (770 to 1350)--	.01
				113325	Tab - trimmer range (1100 to 1700)--	.01

DIAL & MISCELLANEOUS PARTS

PART NUMBER	DESCRIPTION	LIST PRICE
87568	Washer - embossed (for mtg. elect.)--	\$.05
81145	Retaining Ring - for drive shaft--Per C.	.50
85427	Socket - octal base (standard)--	.15
85785	Terminal strip - antenna - ground--	.15
86810	Bushing - rubber; for chassis mtg.--	.03