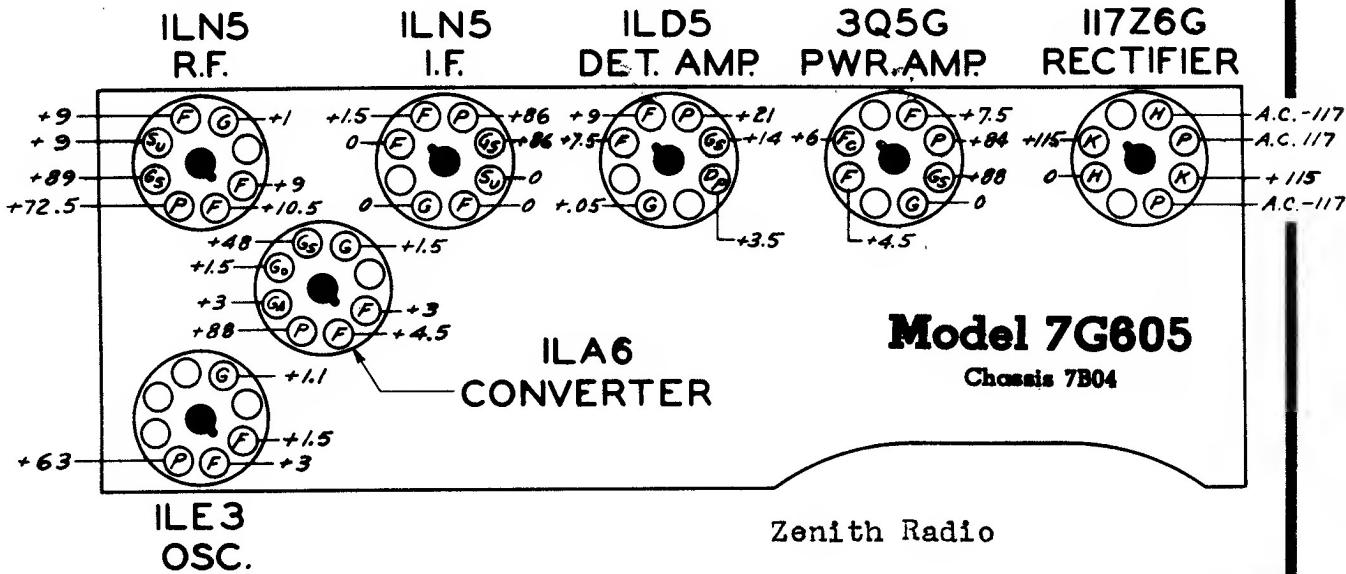


# Model 7G605

Chassis 7B04

DIAG. N <sup>o</sup>	PART N <sup>o</sup>	DESCRIPTION	DIAG. N <sup>o</sup>	PART N <sup>o</sup>	DESCRIPTION	DIAG. N <sup>o</sup>	PART N <sup>o</sup>	DESCRIPTION	DIAG. N <sup>o</sup>	PART N <sup>o</sup>	DESCRIPTION
C1	22-1308	THREE GANG VARIABLE	C26	22-1282	40 MFD. ELECTROLYTIC	150 V	1	510680	A	44-17	HEADPHONE JACK
C2	22-827	.1 MFD.	C27		40 MFD. "	25 V	2	510682	B		121 I.F. TRANS. PRI.
C3	22-1130	15 MMFD.	C28	22-1159	20 MFD. "	25 V	3	85-314	C		200 I.F. TRANS. PRI.
C4	22-1312	100 MMFD. COMP.	C29	22-326	.003 MFD.	400 V.	4	85-225	D		222 I.F. SEC.
C5	22-1332	200 MMFD. COMP.	R1	63-596	330 M OHM	1/2 W.	5	510670	F		BROADCAST OSC. (ON GANG)
C6	22-705	150 MMFD. COMP.	R2	63-641	10 M OHM	1/2 W.	6	510298	G		BROADCAST ANT. (ON GANG)
C7	22-702	250 MMFD. COMP.	R3	63-773	100 M OHM	1/2 W.	7	510284	H		BROADCAST DET. (ON GANG)
C8	22-1311	75 MMFD. COMP.	R4	63-325	150 M OHM	1/2 W.	8	510289	K1		SHORT WAVE OSC. 6 MC.
C9	22-1310	50 MMFD. COMP.	R5	63-648	4 M OHM	1/2 W.	9	510288	K2		SHORT WAVE OSC. 9 MC.
C10	22-162	.0001 MFD.	R6	63-592	33 M OHM	1/2 W.	10	510296	K3		SHORT WAVE OSC. 12 MC.
C11	22-327	.02 MFD.	R7	63-600	2.2 MEGOHM	1/2 W.	11	510297	K4		SHORT WAVE OSC. 15 MC.
C12	22-289	50 MMFD.	R8	63-761	10 M OHM	1/2 W.	12	510281	K5		SHORT WAVE OSC. 18 MC.
C13	22-829	.05 MFD.	R9	63-602	4.7 MEGOHM	1/2 W.	13	510290	L1		SHORT WAVE DET. 6 MC.
C14	22-826	.01 MFD.	R10	63-583	1000 OHM	1/2 W.	14	510285	L2		SHORT WAVE DET. 9 MC.
C15	22-1207	.07 MFD.	R11	63-1265	VOLUME CONTROL	1/2 W.	15	510293	L3		SHORT WAVE DET. 12 MC.
C16	22-887	.001 MFD.	R12	63-976	15 MEGOHM	1/2 W.	16	510294	L4		SHORT WAVE DET. 15 MC.
C17	22-492	.002 MFD.	R13	63-580	300 OHM	1/2 W.	17	510295	L5		SHORT WAVE DET. 18 MC.
C18	22-953	.0002 MFD.	R14	63-577	100 OHM	1/2 W.	18	85-312	G1		WAXEROD TRIMMER (SEE NOTE)
C19	22-470	.00015 MFD.	R15	63-594	60 M OHM	1/2 W.	19	85-322	MA		WAXEROD COMPENSATOR (SEE NOTE)
C20	22-196	.01 MFD.	R16	63-271	1 MEGOHM	1/2 W.	20	95-862	M1		SHORT WAVE ANT. 19 M.
C21	22-448	.004 MFD.	R17	63-941	300 OHM WIREWOUND	1 W.	21	95-063	M2		SHORT WAVE ANT. 25 M.
C22	22-1307	40 MFD. ELECTROLYTIC	R18	63-1264	THREE SECTION CANOEHM	1/2 W.	22	85-313	M3		SHORT WAVE ANT. 31 M.
C23		OR	R19	63-1156	1000 OHM	1/2 W.	23	85-311			
C24	22-1530	.40 MFD.									
C25	22-869	.05 MFD.									

NOTE: TRIMMERS #14, #15, #16 ARE MOUNTED ON STRIP #2-23



All voltages measured with a 20,000 ohm per volt meter from B minus to socket contact indicated.

All voltages are positive D.C. unless marked otherwise.

Volume control full on.

Line voltage 117 A.C. or D.C. 25 to 60 cycle or Battery Pack Z-985 and two flashlight cells.

Power consumption 85 watts.

Power output .35 watts.

Tuning ranges:

540 to 1620 Kc.

6.0 to 6.5 Mc.

9.4 to 9.8 Mc.

11.7 to 11.9 Mc.

15.1 to 15.3 Mc.

17.6 to 18.0 Mc.

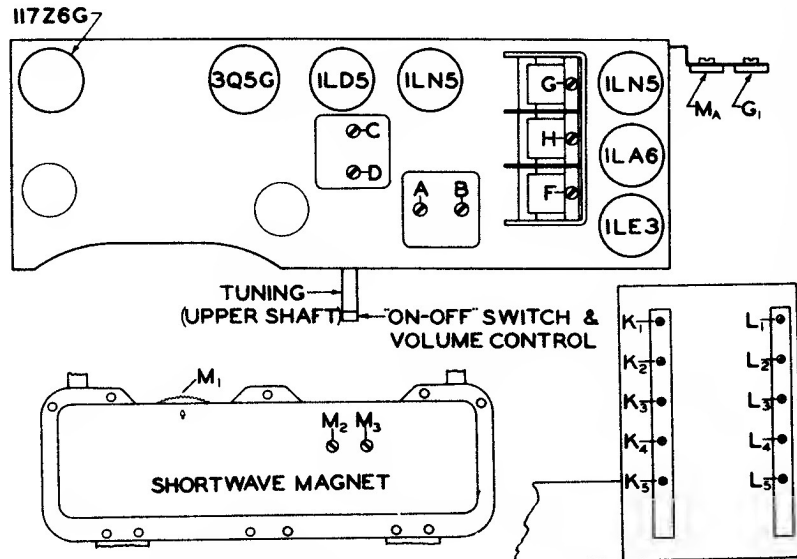
Stage Gains  
Bc. and I.F.

Ant. to R.F. grid 5X at 1000 Kc.

R.F. grid to conv. grid 9X at 1000 Kc.

Conv. grid to I.F. grid 86X at 455 Kc.

Overall audio 900X at .85 watt, 400 cycles.



### ALIGNMENT PROCEDURE

Operation	Connect Oscillator to	Dummy Antenna	Input Signal Frequency	Band	Set Dial At	Trimmers	Purpose
1	Conv. grid	.1 mfd.	455 Kc.	BC	800 Kc.	A, B, C, D	Align I.F.
2	One Turn Loop Coupled	Loosely to Broadcast	1800 Kc.	BC	1800 Kc.	F	Set oscillator to scale
3			1400 Kc.	BC	1400 Kc.	H	Alignment of detector section
4	3 Feet of Wire	Approximately	1400 Kc.	BC	1400 Kc.	G	Alignment of B.C. Wavemagnet
5			1400 Kc.	BC	1400 Kc.	G <sub>1</sub>	B.C. waveroed alignment
6			6.3 Mc.	49 Met.	6.2 Mc.	K <sub>1</sub> -L <sub>1</sub>	Alignment of S.W. Oscillators and Antenna Trimmers
7			9.6 Mc.	31 Met.	9.6 Mc.	K <sub>2</sub> -L <sub>2</sub>	
8			11.8 Mc.	25 Met.	11.8 Mc.	K <sub>3</sub> -L <sub>3</sub>	
9	15.2 Mc.	19 Met.	15.2 Mc.	K <sub>4</sub> -L <sub>4</sub>			
10	17.8 Mc.	16 Met.	17.8 Mc.	K <sub>5</sub> -L <sub>5</sub>			
11	One Turn Loop Coupled Loosely to Shortwave Magnet, Waveroed Collapsed		15.3 Mc.	19 Met.	15.2 Mc.	M <sub>1</sub> -M <sub>2</sub>	
12			11.8 Mc.	35 Met.	11.8 Mc.	M <sub>2</sub>	
13			9.6 Mc.	31 Met.	9.6 Mc.	M <sub>3</sub>	