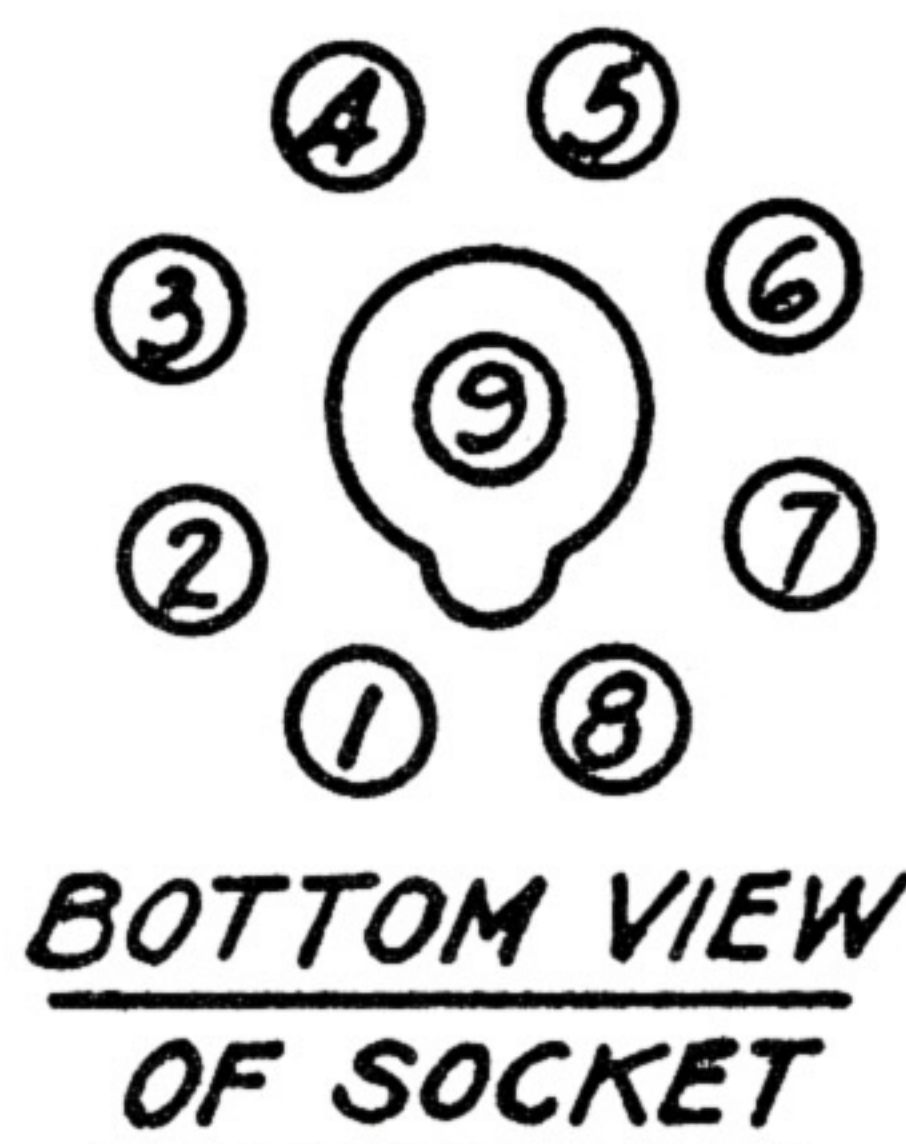


**MODELS 12S205-12S232-12S245-12S265-12S266-12S267-12S268**

CHASSIS No. 1204

**SOCKET VOLTAGES**



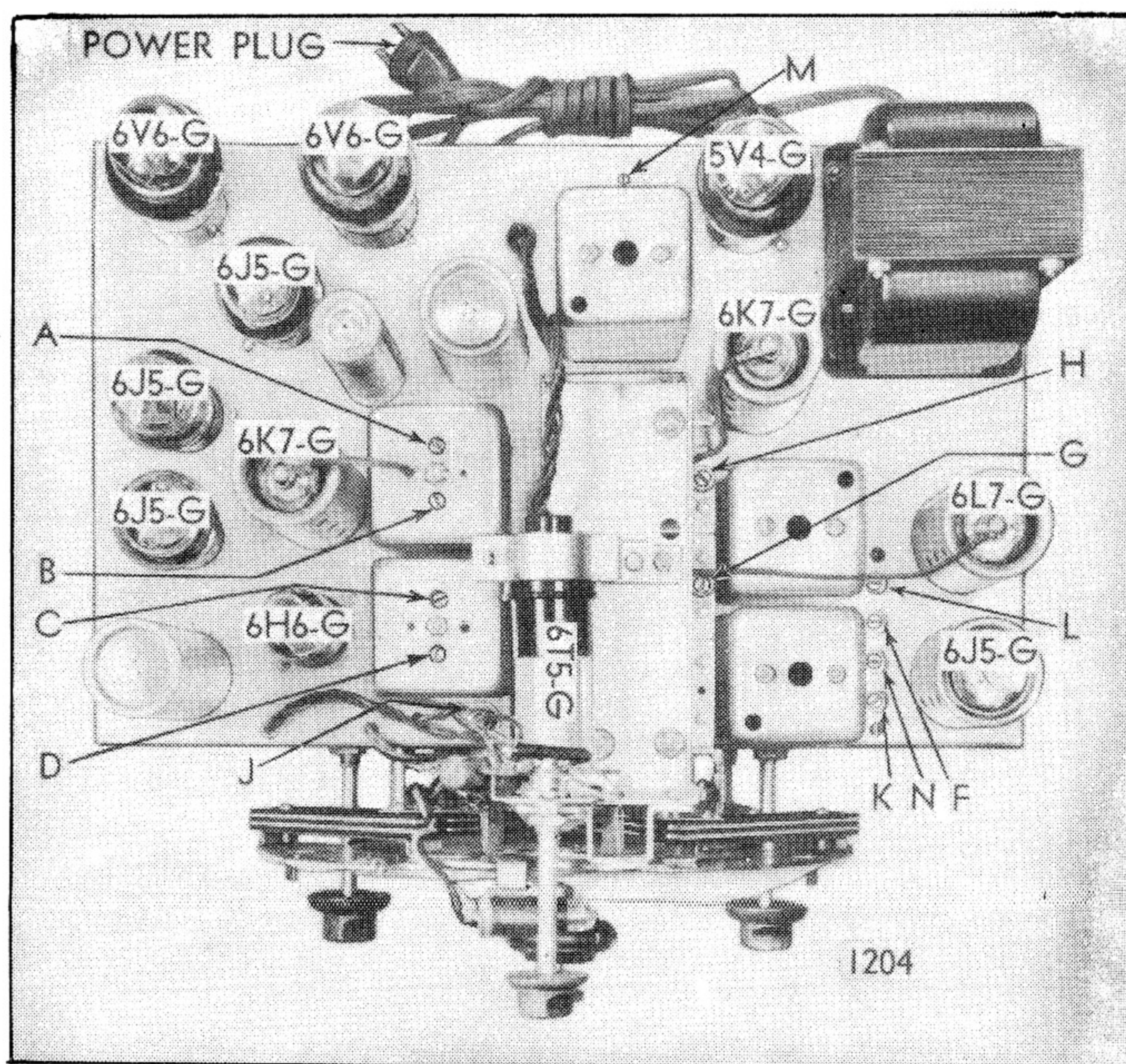
Tube	Position	1	2	3	4	5	6	7	8	9
6K7	R. F.	0	3.2	246	83	0	—	3.2	0	0
6L7	Converter	0	3.2	243	83	-10	—	3.2	0	0
6J5	Osc.	0	3.2	121	—	-10.5	—	3.2	0	—
6K7	I. F.	0	3.2	237	83	0	—	3.2	0	0
6H6	2nd Det. A.V.C.	0	3.2	-2	-1.5	-2	—	3.2	-1.5	—
6J5	1st Audio	0	3.2	70	—	-.5	—	3.2	-1.5	—
6J5	2nd Audio	0	3.2	74	—	-2	—	3.2	-.5	—
6J5	Inverter	0	3.2	76	—	-2	—	3.2	-.5	—
6V6	Power	0	3.2	231	240	-2.5	—	3.2	8	—
6V6	Power	0	3.2	231	240	-2.5	—	3.2	8	—
5Y4	Rect.	0	—	AC	—	AC	—	318	318	—
		H	Ep	Eg	Et	Ek	H			
6T5	Target	3.2	13	-1.5	240	-1.5	3.2			

All voltages measured from point indicated to ground using a 1000 Ohm per Volt meter, antenna and ground disconnected. Line voltage 117V. Consumption 110W. Power output 15W.

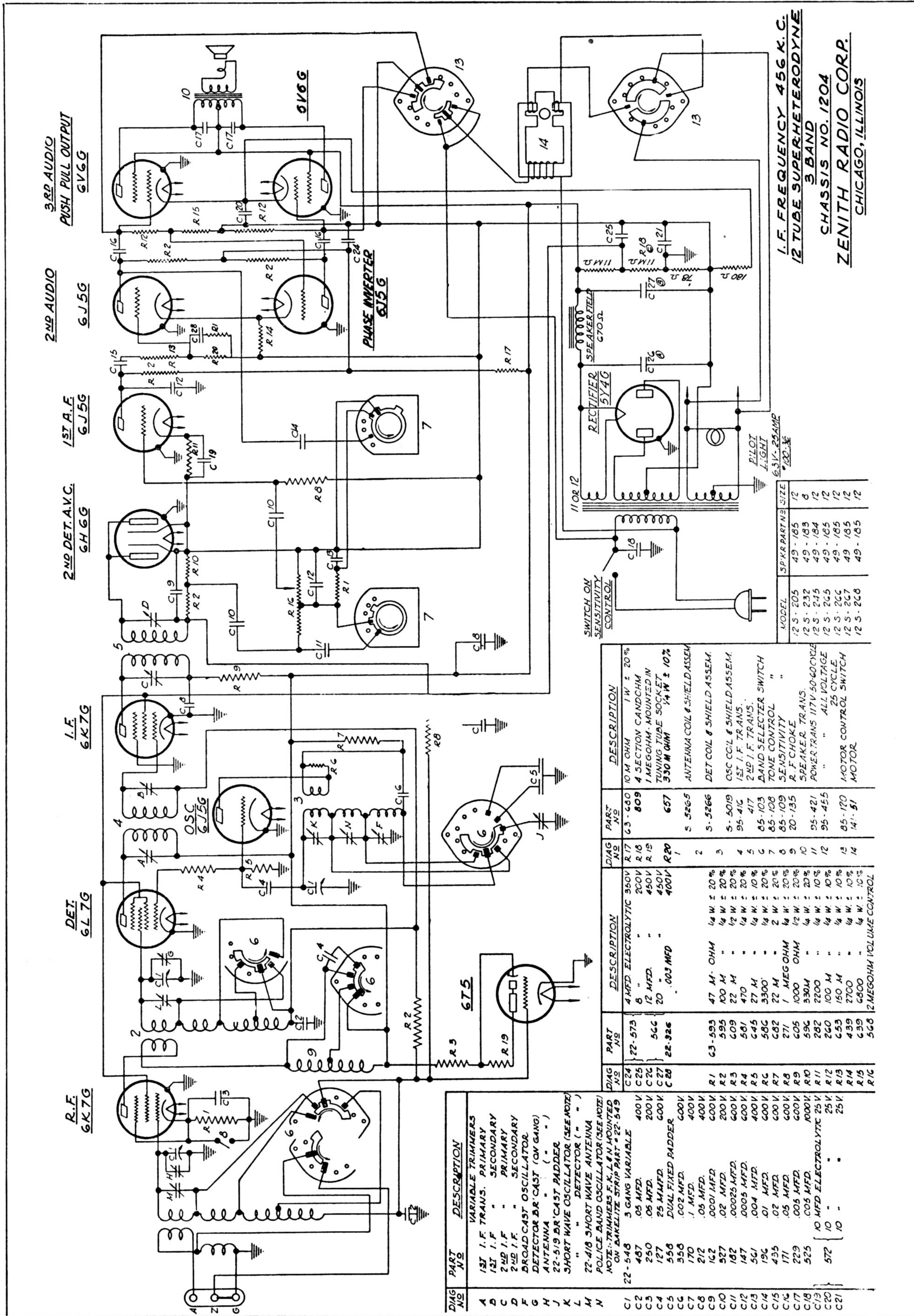
**ALIGNMENT PROCEDURE**

Operation	Connect Test Oscillator to—	Dummy Antenna	Set Test Osc. to	Band	Set Dial At	Adjust Trimmers	Purpose
1	1st Det. Grid	1/2 Mfd.	456	Br'dc't	600	ABCD	I. F. Alignment
2	Rec. Ant. Post	200 Mmfd.	1500	"	1500	F	Set Osc. to Scale
3	" " "	200 Mmfd.	1500	"	1500	GH	Algmt.of Ant&Det
4	" " "	200 Mmfd.	600	"	600	J	Rock gang & adj. for max. output
5						FGH	Repeat 2 & 3
6	Rec. Ant. Post	400 Ohms	18000	S.W.	18000	K	Set Osc. to Scale
7	" " "	400 Ohms	16500	S.W.	16500	LM	Rock gang & adj. for max. output
8	" " "	400 Ohms	5500	Police	5500	N	Rock gang & adj. for max. output

**LOCATION OF TRIMMERS**







DIAG NO	PART NO	DESCRIPTION
A		VARIABLE TRIMMERS
B		1ST I.F. TRANS. PRIMARY
C		2ND I.F. TRANS. PRIMARY
D		2ND I.F. TRANS. SECONDARY
F		BROADCAST OSCILLATOR
G		DETECTOR BR' CAST (ON GANG)
H		ANTENNA BR' CAST ("")
J		22-519 BR' CAST PADDER
K		SHORT WAVE OSCILLATOR (SEE NOTE)
L		DETECTOR ("")
M		22-418 SHORT WAVE ANTENNA
N		POLICE BAND OSCILLATOR (SEE NOTE)
C1	22-546	CH. TRIMMERS E.K. 1/4" MOUNTED ON BAKELITE STRIP PART #22-549
C2	467	3 GANG VARIABLE
C3	250	.05 MFD.
C4	127	25 M.M.F.D.
C5	556	DUAL FIXED PADDER
C6	556	.002 MFD.
C7	170	.1 MFD.
C8	212	.05 MFD.
C9	162	.0001 MFD.
C10	527	.02 MFD.
C11	182	.00025 MFD.
C12	147	.0005 MFD.
C13	561	.004 MFD.
C14	196	.01 MFD.
C15	455	.02 MFD.
C16	171	.05 MFD.
C17	229	.005 MFD.
C18	525	.005 MFD.
C19		10 MFD. ELECTROLYTIC 25 V.
C20	572	25 V.
C21		25 V.

DIAG NO	PART NO	DESCRIPTION	DIAG NO	PART NO	DESCRIPTION
R1	63-593	47 M. OHM	R17	63-600	10 M OHM 1 W ± 20%
R2	595	100 M	R18	809	4 SECTION CANDCHM
R3	609	22 M			1 MEG OHM. MOUNTED IN TUNING TUBE SOCKET
R4	561	470	R19	657	330 M OHM 1/4 W ± 10%
R5	645	27 M			ANTENNA COIL & SHIELD ASSEMBLY
R6	645	27 M			DET. COIL & SHIELD ASSEMBLY
R7	586	3300			OSC. COIL & SHIELD ASSEMBLY
R8	682	22 M			1ST I.F. TRANS.
R9	271	1 MEG OHM			2ND I.F. TRANS.
R10	605	1000 OHM			BAND SELECTOR SWITCH
R11	596	330 M			11 OR 12 RECTIFIER 5Y4G
R12	282	2200			SPEAKER 670 SL
R13	653	150 M			PILOT LIGHT 6.3V-25W
R14	439	2700			SWITCH ON SENSITIVITY CONTROL
R15	639	6800			
R16	566	12 MEG OHM VOLUME CONTROL			

MODEL	SPEAKER PARTS SIZE
12 S-205	49-185
12 S-232	49-189
12 S-245	49-184
12 S-265	49-185
12 S-266	49-185
12 S-267	49-185
12 S-268	49-185

**I.F. FREQUENCY 456 K.C.**  
**12 TUBE SUPERHETERODYNE**  
**3 BAND**  
**CHASSIS NO. 1204**  
**ZENITH RADIO CORP.**  
**CHICAGO, ILLINOIS**

Circuit Diagram — Models 12-S-205, 12-S-232, 12-S-245, 12-S-265, 12-S-266, 12-S-267, 12-S-268 (1204 Chassis)