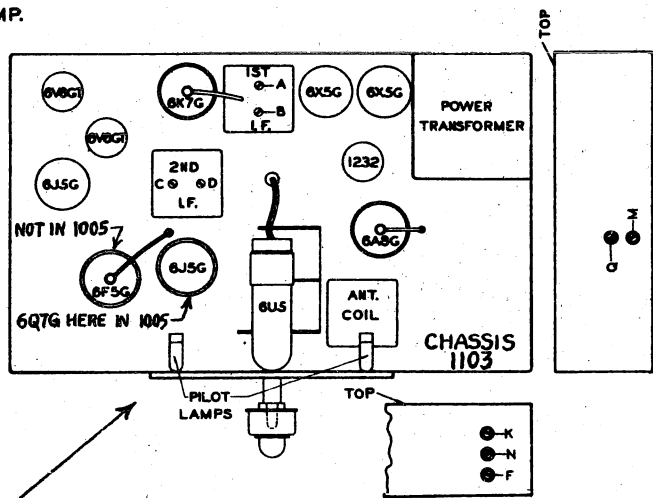
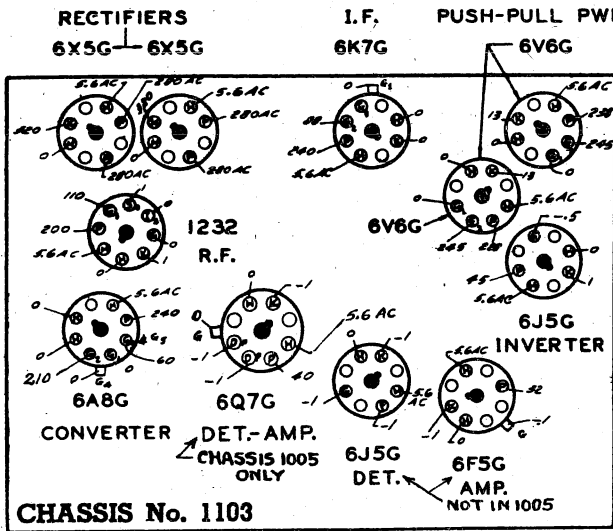


CHASSIS 1005 CHASSIS 1103
 CHASSIS 1207 CHASSIS 5808 ZENITH RADIO CORP.
 Voltage, Socket, Trimmers

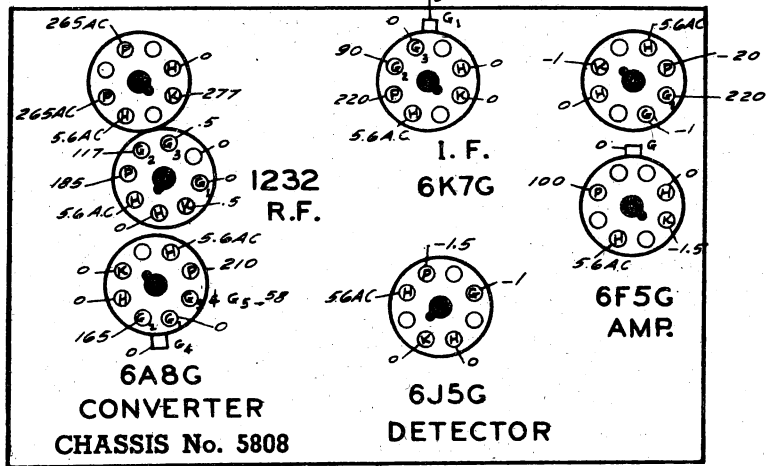
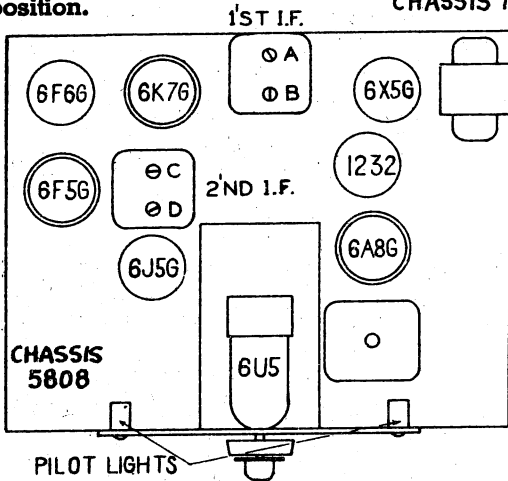


All voltages measured from socket terminal to chassis ground using 1000 ohm per volt meter.

FRONT OF CHASSIS
 Sensitivity switch in distance position.

CHASSIS 5808:
 TRIMMERS Q, M, K, N & F AS IN CHASSIS 1103

RECTIFIER 6X5G Volume control full on. Line voltage 112 A.C. PWR.-AMP. 6F6G

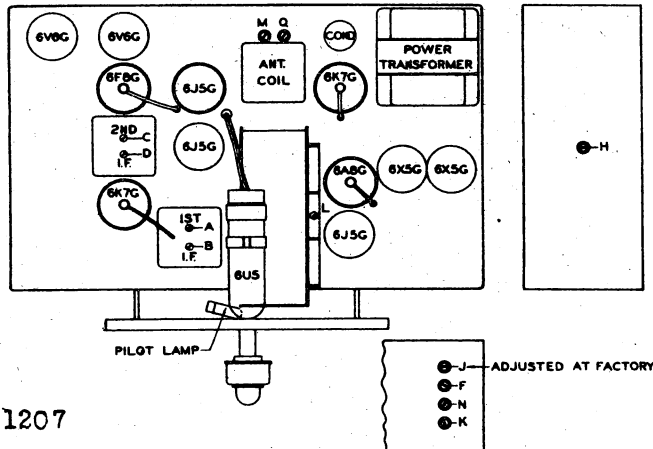
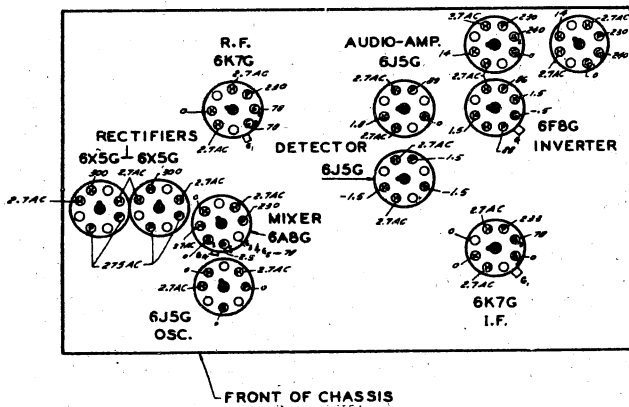


All voltages are positive D.C. unless marked otherwise.

Socket Voltages

PUSH-PULL PWR. AMP. 6V6G-6V6G

Location of Tubes and Trimmers



MODELS See Below
Alignment, Trimmers, Socket ZENITH RADIO CORP.

Operation	Connect Test Oscillator to	Dummy Antenna	Input Signal Frequency	Band	Set Dial At	Adjust Trimmers	Purpose
1	1st Det. Grid	1/2 Mfd.	455 Kc.	Broadcast	600 Kc.	A, B, C, D	I. F. Alignment
2	Antenna Post (On Loop)	200 Mmf.	18000 Kc.	S. W.	18000 Kc.	K	Set Oscillator to Scale
3	Antenna Post (On Loop)	200 Mmf.	16000 Kc.	S. W.	16000 Kc.	M	Alignment of Antenna
4	Antenna Post (On Loop)	200 Mmf.	4500 Kc.	Police	4500 Kc.	N	Set Oscillator to Scale
5	Antenna Post (On Loop)	200 Mmf.	4500 Kc.	Police	4500 Kc.	Q	Alignment of Antenna
6	Single Turn Coupled Loosely to Loop		1400 Kc.	Broadcast	1400 Kc.	F	Set Oscillator to Scale
7	Loop Switch in Wave Magnet Position		1400 Kc.	Broadcast	1400 Kc.	G	Alignment of Antenna

Chassis 1005, 1103, 5808

Operation	Connect Test Oscillator to	Dummy Antenna	Input Signal Frequency	Band	Loop Switch	Set Dial At	Adjust Trimmers	Purpose
1	1st Det. Grid	1/2 Mfd.	455 Kc.	Broadcast	600 Kc.	A, B, C, D	I. F. Alignment
2	Antenna Post (On Loop)	200 Mmf.	18000 Kc.	S. W.	Ant.	18000 Kc.	K	Set Oscillator to Scale
3	Antenna Post (On Loop)	200 Mmf.	16000 Kc.	S. W.	Ant.	16000 Kc.	L-M	Alignment of Det.—Rock Gang & Adjust for Max.
4	Antenna Post (On Loop)	200 Mmf.	4500 Kc.	Police	Ant.	4500 Kc.	N	Rock Gang & Adjust for Max. Output
5	Antenna Post (On Loop)	200 Mmf.	4500 Kc.	Police	Ant.	4500 Kc.	Q	Alignment of Antenna
6	Single Turn Coupled Loosely to Loop		1400 Kc.	Broadcast	Wave Magnet	1400 Kc.	F	Set Oscillator to Scale
7	Single Turn Coupled Loosely to Loop		1400 Kc.	Broadcast	Wave Magnet	1400 Kc.	H	Alignment of R. F.
8	Single Turn Coupled Loosely to Loop		1400 Kc.	Broadcast	Wave Magnet	1400 Kc.	G	Alignment of Loop
9							J	*1503 TRIMMERS: Adjusted at Factory A1, B1, A2, B2, A3, B3

Chassis 1207, 1603

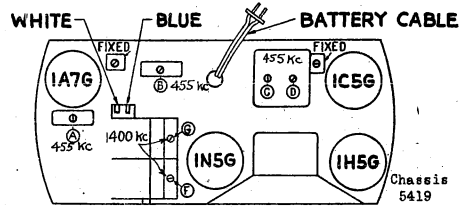
Operation	Connect Test Oscillator to	Dummy Antenna	Set Test Oscillator to	Band	Set Dial At	Adjust Trimmers	Purpose
1	1st Det. Grid	1/2 mfd.	455	Br'dc't	600	A B C D	I. F. Alignment
2	Rec. Ant. Wire	400 ohms	18000	S. W.	18000	K	Set. Osc. to Scale
3	" " "	400 ohms	16000	S. W.	16000	L	Rock gang & adj. for max. output Alignment of Ant.
4	" " "	400 ohms	6000	Police	6000	N	Rock gang & adj. for max. output
5	" " "	200 mml.	1400	Br'dc't	1400	F	Rock gang & adj. for max. output
6	" " "	200 mml.	600	"	600	J	Rock gang & adj. for max. output
7	" " "	200 mml.	"	"	"	Repeat F & J	Chassis 5539

Operation	Connect Test Oscillator to	Dummy Antenna	Input Signal Frequency	Band	Set Dial At	Adjust Trimmers	Purpose
1	6D8 R. F. Grid	0.5 Mfd.	455 Kc.	I. F.	600 Kc.	A, B, C, D	I. F. Alignment
2	Rec. Ant. Post	200 Mfd.	1500 Kc.	Broadcast	1500 Kc.	F	Set Oscillator to Scale
3	Rec. Ant. Post	200 Mfd.	1500 Kc.	Broadcast	1500 Kc.	G	Alignment of Antenna
4	Rec. Ant. Post	200 Mfd.	600 Kc.	Broadcast	600 Kc.	J	Rock Gang and Adjust for Max. Output
5	Rec. Ant. Post	200 Mfd.		Broadcast		F, G	Repeat 2 and 3
6	Rec. Ant. Post	400 Ohms	18000 Kc.	S. W.	18000 Kc.	K	Set Oscillator to Scale
7	Rec. Ant. Post	400 Ohms	16000 Kc.	S. W.	16000 Kc.	L	Rock Gang and Adjust for Max. Output
8	Rec. Ant. Post	400 Ohms	6000 Kc.	Police	6000 Kc.	N	Rock Gang and Adjust for Max. Output

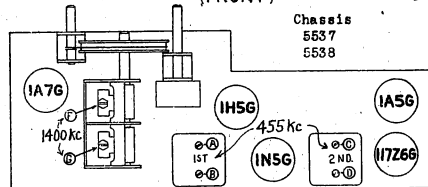
Chassis 5679

Operation	Connect Test Oscillator to	Dummy Antenna	Set Test Oscillator to	Band	Set Dial At	Adjust Trimmers	Purpose
1	1st Det. Grid	5 mfd.	455	B'dcast	600	A B C D	I. F.
2	Single *x Turn Coil	—	1500	"	1500	F	Set Osc. to Scale
3	" "	—	1500	"	1500	On Wave Magnet	Alignment of Wave Magnet
4	Rec. Ant. Post **	400 ohms	18000	S.W.#2	18000	K	Set Osc. to Scale
5	" "	"	16000	"	16000	L	Rock gang & adj. for max. output
6	" "	"	4500	S.W.#1	4500	N	"

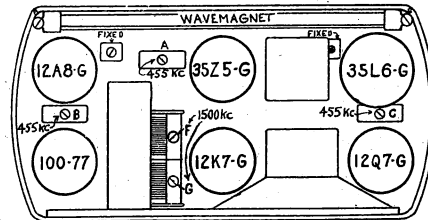
* Loosely coupled to Wave Magnet
x Switch in Wave Magnet Position
** Switch in Antenna Position
CHASSIS 5719, 5721, 5810.



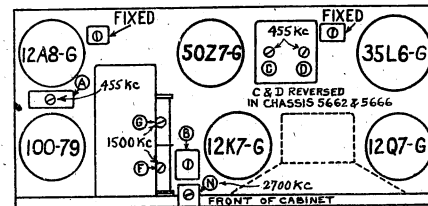
(FRONT)



(REAR)



Chassis 5659 & 5663, 5680 & 5664



Chassis 5661 & 5665, 5662 & 5666

ALIGNMENT PROCEDURE

Chassis 5419, 5537, 5538
5659 & 5663, 5680 & 5664
5661 & 5665, 5662 & 5666

Set dial at 600 kc; connect 0.5-mf dummy to 1st det. grid and align I.F. at 455 kc.

Connect test oscillator to single-turn loop loosely coupled to Wave Magnet.

Set receiver dial to aligning frequency and adjust trimmers to maximum as follows:

- (1) Osc. trimmer F
- (2) Ant. trimmer G
- (3) S-W trimmer N

