

MODEL  
6J 436  
6J 463

SPEAKER  
49-350 8"  
49-348 10"

BAND SWITCH SHOWN  
IN "POLICE" POSITION

NOTE - 8 A LOW BASS  
8 B TREBLE  
8 C VOICE  
8 D NORMAL  
8 E ALTO  
8 F BASS

⏚ DENOTES CHASSIS "GROUND"

DWG. NO.	PART NO.	DESCRIPTION	DWG. NO.	PART NO.	DESCRIPTION	DWG. NO.	PART NO.	DESCRIPTION	DWG. NO.	PART NO.	DESCRIPTION
C1	22-964	TWO GANG VARIABLE	C24	22-830	.02 MFD.	R15	63-605	1000 OHM	14	9 8778	CHOKE ASSEMBLY
C2	22-826	.01 MFD.	C25	22-828	.02 MFD.	R16	63-946	4700 OHM	15	100-89	PILOT LIGHT 2.5V. .17A
C3	22-829	.05 MFD.	C26	22-978	DUAL OSC. PADDER	R17	63-990	VOLUME CONTROL	A		1 EL I.F. TRANS. PRI.
C4	22-829	.05 MFD.	C27	22-868	COMPENSATING COND.	R18	63-591	82M OHM	B		1 EL I.F. - SEC.
C5	22-828	.05 MFD.	C28	22-319	.05 MFD.	R19	63-675	5600 OHM	C		2 EL I.F. - SEC.
C6	22-350	.85 MFD.	C29	22-972	.015 MFD.	R20	63-963	120 OHM	D		2 EL I.F. - SEC.
C7	22-162	.001 MFD.				R21	63-577	100 OHM	E		B'DCAST OSC. (SEE NOTE)
C8	22-827	.1 MFD.							F		B'DCAST ANT. (ON BAND)
C9	22-856	.005 MFD.							G		B'DCAST PADDER (SEE NOTE)
C10	22-188	.02 MFD.	R1	63-597	470 M OHM				H		
C11	22-974	20 MFD. ELECTROLYTIC	R2	63-576	68 OHM	1	57811	ANTENNA COIL ASSEMBLY			
C12		20 MFD.	R3	63-599	47 M OHM	2	3 8807	OSCILLATOR COIL ASSEMBLY			
C13	30 MFD. ELECTROLYTIC		R4	63-599	56 M OHM	3	57587	OSC. COILER COIL ASSEMBLY			
C14	22-771	.15 MFD.	R5	63-628	270 OHM	4	57649	AUTOMATIC TUNING UNIT ASSEM.			
C15		.10 MFD.	R6	63-599	1.5 MEG OHM	5	85-810	BAND SELECTOR SWITCH			
C16	22-448	.804 MFD.	R7	63-711	82M OHM	6	95-649	1 EL I.F. TRANSFORMER		22-788	SW ANTENNA
C17	22-327	.02 MFD.	R8	63-639	470 M OHM	7	85-650	2 EL I.F. TRANSFORMER			PAL. BAND OSC. (SEE NOTE)
C18	22-182	.00825 MFD.	R9	63-180	180 M OHM	8	5009	TONE CONTROL SWITCH			
C19	22-470	.0015 MFD.	R10	63-634	820 OHM	9	190-11	VIBRATOR			
C20	22-716	.005 MFD.	R11	63-271	1 MEG OHM	10	95-648	POWER TRANSFORMER			
C21	22-458	.008 MFD.	R12	63-596	220M OHM	11	85-477	POWER SUPPLY SWITCH			
C22	22-386	.03 MFD.	R13	63-977	870 OHM WIREWOUND	12	85-171	BATT. CONSERVING SWITCH			
C23	22-199	.5 MFD.	R14	63-796	10M OHM	13	55043	CHOKER ASSEMBLY			

I.F. FREQUENCY 455 KC.  
6 TUBE SUPERHETERODYNE  
CHASSIS NO. 5679 6K-DC. 110V-AC. 3 BAND  
ZENITH RADIO CORPORATION

Models 6J436—6J463  
Chassis No. 5679

NOTE - TRIMMERS F, J, K, N  
MOUNTED ON STRIP  
85-102E

# ALIGNMENT PROCEDURE

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.	M	Rock gang & adj. for max. output
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

## Models 6J436—6J463

### CHASSIS No. 5679

All voltages measured with a 1000 ohm per volt meter from chassis to socket contact indicated.

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

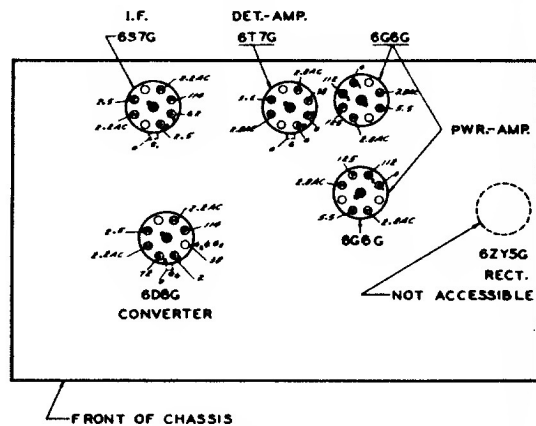
Battery conserver switch in **NORMAL** position.

Volume control full on.

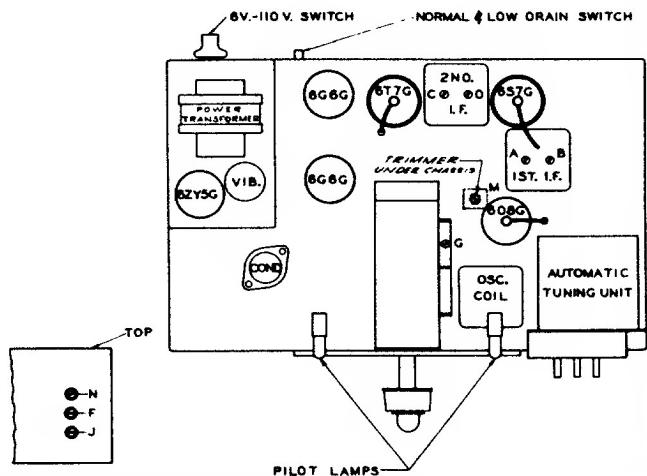
Line voltage 112 v. A.C.

#### LEGEND

- F—Filament
- H—Heater
- D—Diode
- G1—Control Grid
- G2—Screen Grid
- G3—Suppressor Grid
- P—Plate
- K—Cathode



#### Socket Voltages



Location of Tubes and Trimmers