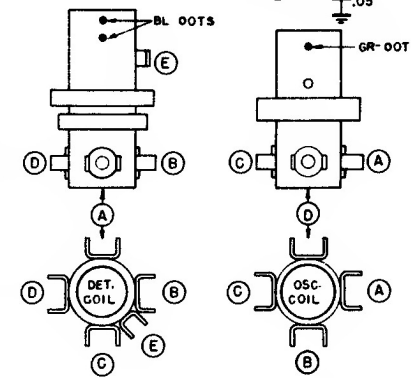
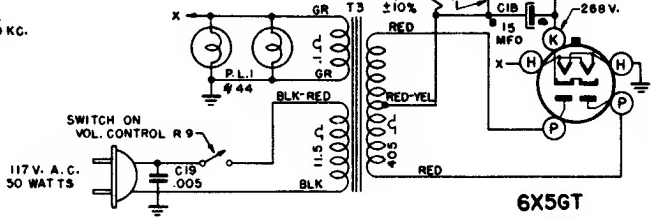


ALL VOLTAGES MEASURED FROM COMMON RETURN TO POINTS INDICATED WITH AN A.C., D.C. OR VACUUM TUBE VOLTMETER AS REQUIRED.



I.F. FREQUENCY 455 KC.
TUNING RANGE 535-1620 KC.



⊕ DENOTES CHASSIS

ALL RESISTORS $\pm 20\%$ TOLERANCE UNLESS OTHERWISE SPECIFIED

DIAG. NO.	PART NO.	DESCRIPTION
C1	22-1369	3-GANG VARIABLE
C2	ON C1	BROADCAST ANT. TRIM.
C3	22-171	.05 MFD. 600 V.
C4	22-829	.05 MFD. 200 V.
C5	ON C1	BROADCAST OSC. TRIM.
C6	ON C1	BROADCAST OSC. TRIM.
C7	ON T1	1ST I.F. TRANS. PRI. TRIM.
C8	ON T1	1ST I.F. SEC. TRIM.
C9	22-1157	.03 MFD. 200 V.
C10	ON T2	2ND I.F. TRANS. PRI. TRIM.
C11	ON T2	2ND I.F. SEC. TRIM.
C12	22-1362	.004 MFD. 600 V.
C13	22-854	.0005 MFD. 600 V.
C14	22-448	.004 MFD. 600 V.
C15	22-850	.02 MFD. 600 V.
C16	22-138	.2 MFD. 200 V.
C17	22-1372	15 MFD. ELECTRO. 350 V.
C18	22-1372	15 MFD. 450 V.
C19	22-1041	.005 MFD. 400 V.
C20	22-448	.04 MFD. 600 V.
R1	63-156	10M OHM 1/4 W
R2	63-296	220M OHM 1/4 W
R3	63-579	220 OHM 1/4 W
R4	63-673	6.2 MEGOHM 1/4 W
R5	63-589	10M OHM 1/4 W
R6	63-605	1000 OHM 1/2 W
R7	63-600	2.2 MEGOHM 1/4 W
R8	63-1058	22M OHM 2 W
R9	63-1340	.5 MEG. VOL. CONTROL
R10	63-591	22M OHM 1/4 W
R11	63-976	15 MEGOHM 1/4 W
R12	63-1341	1 MEG. TONE CONTROL
R13	63-597	470M OHM 1/4 W
R14	63-655	220M OHM 1/4 W
R15	63-656	270M OHM 1/4 W
L1	S-12068	WAVEMAGNET
L2	S-11163	DET. COIL ASSEMBLY
L3	S-11164	OSC. " "
T1	95-909	1ST I.F. TRANS.
T2	95-910	2ND I.F. " "
T3	95-911	PWR. TRANS. 117V. 50-60W
P.L.1	100-36	DIAL LIGHT 63V. 25A.
SPI	49-528	10" DYNAMIC SPEAKER



MODELS 6R060
CHASSIS Nos. 6C23

MODELS 6R060
CHASSIS Nos. 6C23

Zenith Radio Corp.

A feature of chassis 6C23 is a high gain tuned R.F. stage ahead of the conventional super-heterodyne circuit.

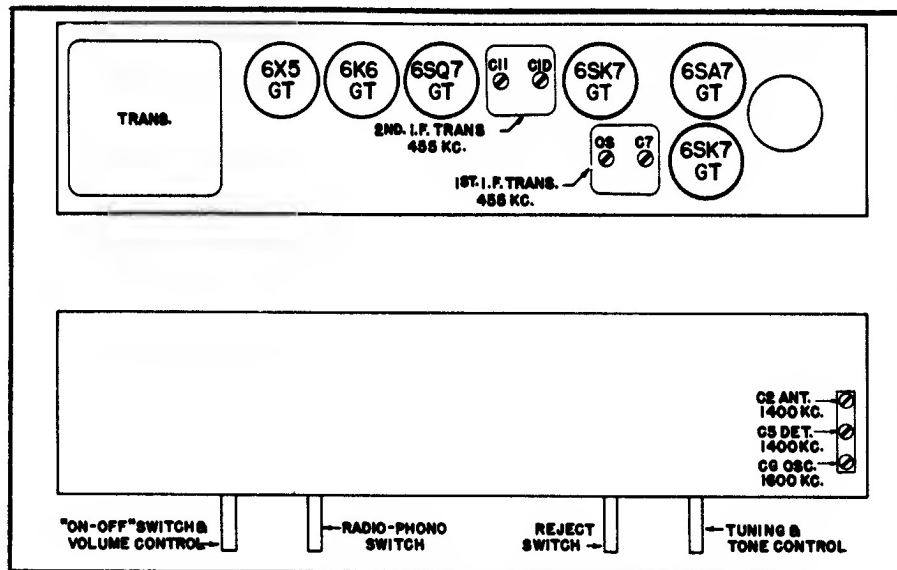
The Tone Control circuit used in chassis 6C23 is unusual. Attenuation or control occurs in both the grid and plate circuit of the triode section of the 6SQ7 tube. To increase the bass response Resistor R10 and Capacitor C9 boost the bass in the grid circuit.

Capacitor C14 and the Variable Tone Control R12 attenuate the highs in the plate circuit.

When the tone control R12 is in the treble position attenuation to highs are greatly reduced in the plate circuit and minimum bass boost takes place in the grid circuit.

When the tone control is in bass position, attenuation to the highs takes place in the plate circuit with maximum bass boost in the grid circuit.

The result of this arrangement allows a smooth tone control over the audio frequency range.



TUBE AND TRIMMER LOCATION

ALIGNMENT PROCEDURE

OPERATOR	CONNECT OSCILLATOR TO	DUMMY ANTENNA	INPUT SIG. FREQUENCY	SET DIAL AT	TRIMMERS	PURPOSE
1	Converter Grid	.5 Mfd.	455 Kc.	600 Kc.	C-7-, C-8, C-10, C-11	Align I. F.
2	One Turn Loop Coupled Loosely to Wave Magnet	--	1600 Kc.	1600 Kc.	C-6	Set Oscillator to Dial Scale.
3		--	1400 Kc.	1400 Kc.	C-5	Align detector
4		--	1400 Kc.	1400 Kc.	C-2	Align antenna stage