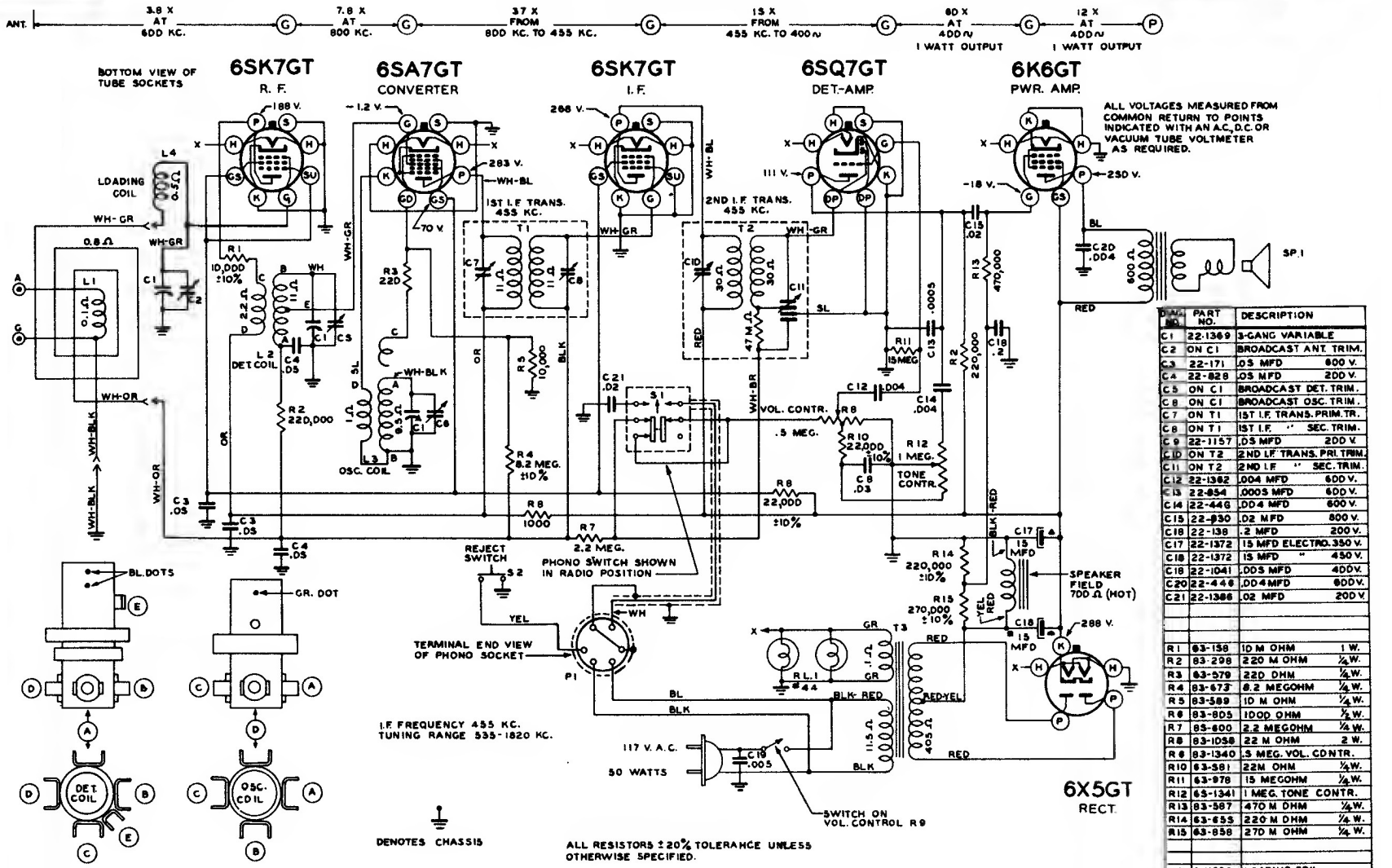


DIAG. NO.	PART NO.	DESCRIPTION
C1	22-1369	3-GANG VARIABLE
C2	ON C1	BROADCAST ANT. TRIM.
C3	22-171	.05 MFD 600 V.
C4	22-828	.05 MFD 200 V.
C5	ON C1	BROADCAST DET. TRIM.
C6	ON C1	BROADCAST OSC. TRIM.
C7	ON T1	1ST I.F. TRANS. PRIM. TR.
C8	ON T1	1ST I.F. " SEC. TRIM.
C9	22-1157	.05 MFD 200 V.
C10	ON T2	2ND 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	22-446	.004 MFD 600 V.
C15	22-830	.02 MFD 800 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	22-446	.004 MFD 600 V.
C21	22-1386	.02 MFD 200 V.
R1	63-158	10 M OHM 1 W.
R2	63-298	220 M OHM ½ W.
R3	63-579	220 OHM ¼ W.
R4	63-673	8.2 MEGOHM ¼ W.
R5	63-589	10 M OHM ¼ W.
R6	63-805	1000 OHM ½ W.
R7	63-600	2.2 MEGOHM ½ W.
R8	63-1058	22 M OHM 2 W.
R9	63-1340	.5 MEG. VOL. CONTR.
R10	63-581	22M OHM ¼ W.
R11	63-976	15 MEGOHM ¼ W.
R12	63-1341	1 MEG. TONE CONTR.
R13	63-587	470 M OHM ¼ W.
R14	63-655	220 M OHM ¼ W.
R15	63-858	270 M OHM ¼ W.
L4	3-11898	LOADING COIL
L1	3-11450	WAVEMAGNET
L2	3-11183	DET. COIL ASSY.
L3	3-11184	OSC. " "
T1	83-906	1ST I.F. TRANS.
T2	83-810	2ND I.F. "
T3	83-811	PWR. TRS. 117 V. 50-80 ~
PL.1	100-38	DIAL LIGHT 6.3 V. .25 A.
S1	85-337	PHONO-RADIO SW.
S2	85-349	REJECT SWITCH
SP1	40-328	10" DYNAMIC SPEAKER
P1	78-823	PHONO SOCKET

ZENITH RADIO CORPORATION
CHICAGO, ILLINOIS

MODELS 6R087
CHASSIS Nos. 6C22

MODEL 6R087

CHASSIS No. 6C22

Zenith Radio Corp.

A feature of chassis 6C22 is a high gain tuned R.F. stage ahead of the conventional superheterodyne circuit.

When making repairs or adjustments on the chassis be sure to have the Phono-Radio switch in Radio position (button out).

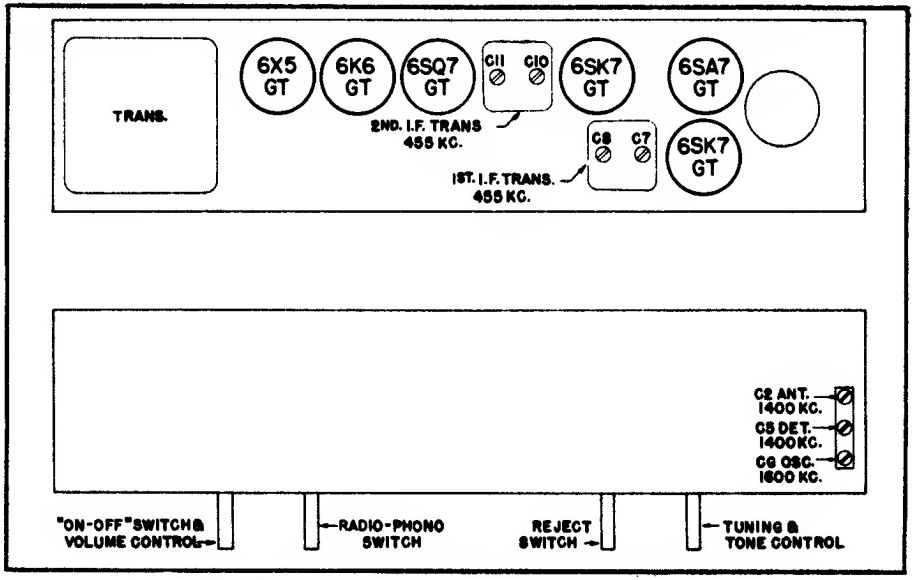
The Tone Control circuit used in chassis 6C22 is unusual. Attenuation or control occurs in both the grid and plate circuit of the triode section of the 6SQ7 tube. To increase the bass response Resistor R10 and Capacitor C9 boost the bass in the grid circuit.

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

OPERATION	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 det.
4		--	1400 Kc.	1400 Kc.	C-2	Align Ant.