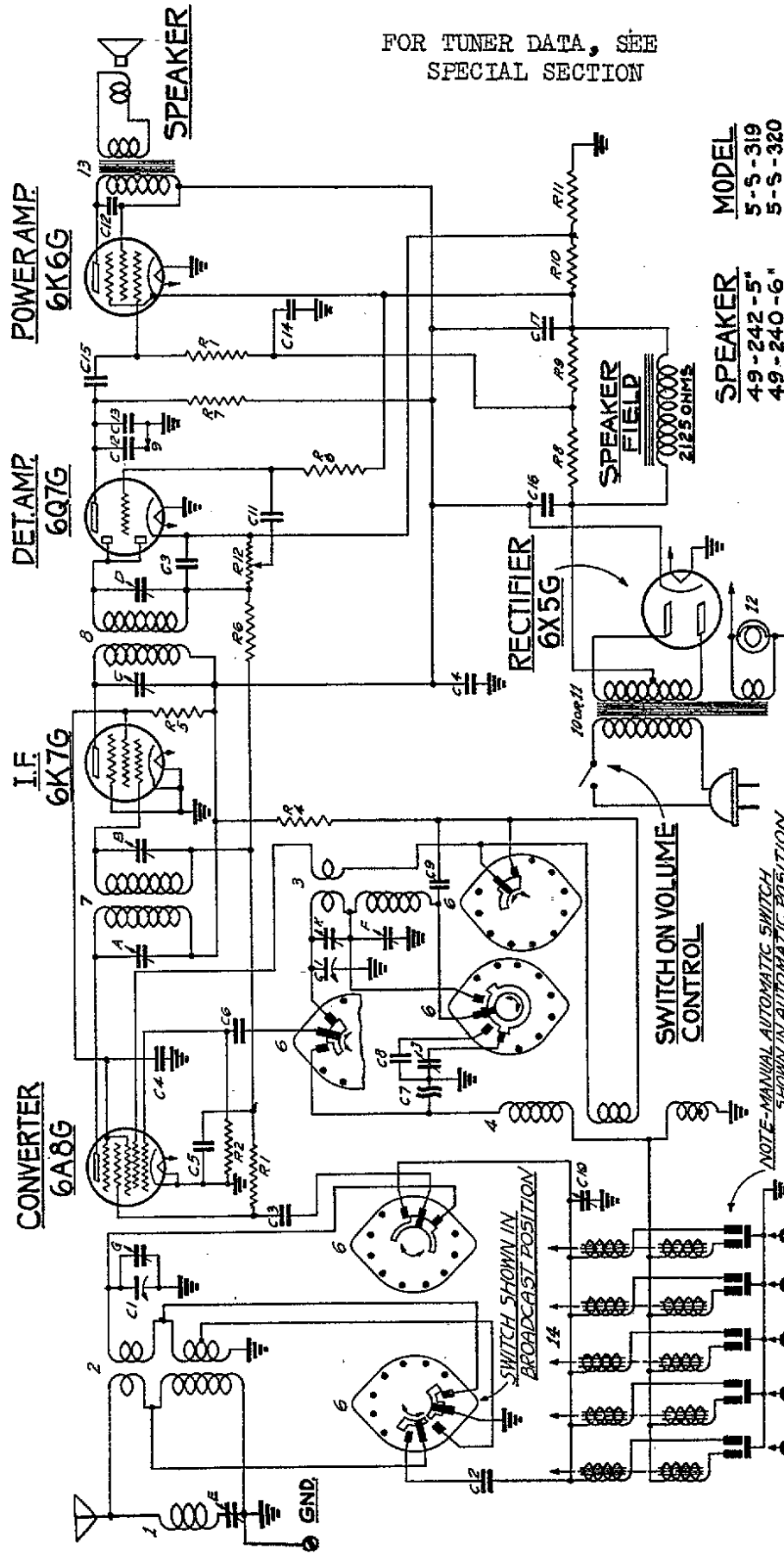


ZENITH RADIO CORP.

MODELS 5S319, 5S330, 5S327
5S338, 5S339
Chassis 5529
Schematic, Parts

FOR TUNER DATA, SEE
SPECIAL SECTION



MODEL	SPEAKER
5-S-319	49-242-5"
5-S-320	49-240-6"
5-S-327	49-244-6"
5-S-338	49-240-6"
5-S-339	49-240-6"

NOTE -
TUNING EYE, P.A.K.
APPROVED BY RADIOTELETYPE
STRIP #22-1085

I.F. FREQUENCY 455 K.C.
5 TUBE SUPERHETERODYNE
CHASSIS NO. 5529 A.C. 2 BAND
ZENITH RADIO CORPORATION
CHICAGO, ILLINOIS

PART NO.	DESCRIPTION	QUANTITY	PART NO.	DESCRIPTION
C-1	50 MFD 50V COND.	1	95-510	5 BAND SELECTING SWITCH
C-2	50 MFD	1	95-511	1ST I.F. TRANS.
C-3	.001 MFD	1	95-514	2ND I.F. TRANS.
C-4	.05 MFD	1	95-515	TONE CONTROL SWITCH
C-5	.05 MFD	1	95-521	POWER TRANS. 50-60-117 INT
C-6	2.5 MFD	1	95-523	POWER TRANS. 25-118V 16.23V
C-7	2.5 MFD	1	100-36	PILOT LIGHT 25W-6.3V
C-8	COMPENSATING COND.	1	100-36	SPEAKER TRANS.
C-9	FIXED PADDER	1	1ST I.F. TRANS. PRI.	
C-10	.005 MFD	1	1ST I.F. TRANS. SEC.	
C-11	.01 MFD	1	2ND I.F. TRANS. PRI.	
C-12	.004 MFD	1	2ND I.F. TRANS. SEC.	
C-13	.0005 MFD	1	22-570	WAVE TRAP
C-14	.1 MFD	1	BRADCAST OSC. (SEE NOTE)	
C-15	.05 MFD	1	ANT BRADCAST PRODDP	
C-16	50 MFD 50V COND.	1	22-519	BRADCAST PRODDP
C-17	50 MFD ELECTROLYTIC	1	SMART MANG. OSC. (SEE NOTE)	

MODELS 5S319, 5S330, 5S327
5S338, 5S339
Chassis 5529

ZENITH RADIO CORP.

Socket, Trimmers, Voltage Alignment

NOTE

Voltages measured from chassis to socket contacts using a 1000 ohm per volt meter. Antenna disconnected — volume control on full.

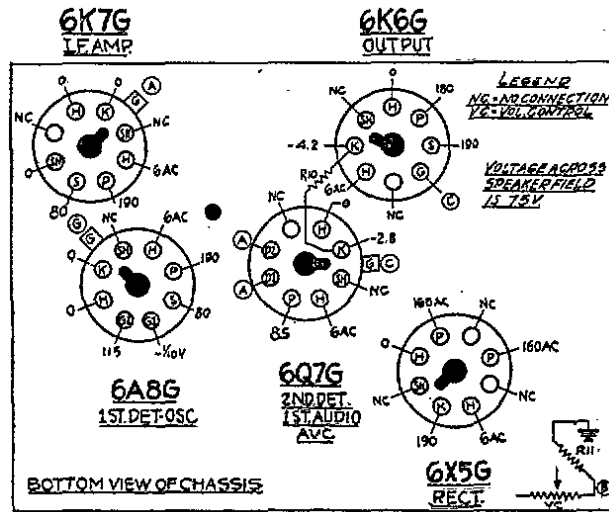
Line voltage 115 v. Consumption 45 watts.

Power output 3 watts.

(A) Bias for 6A8 — 6K7 and diodes measured across R11.

(B) Low side of volume control.

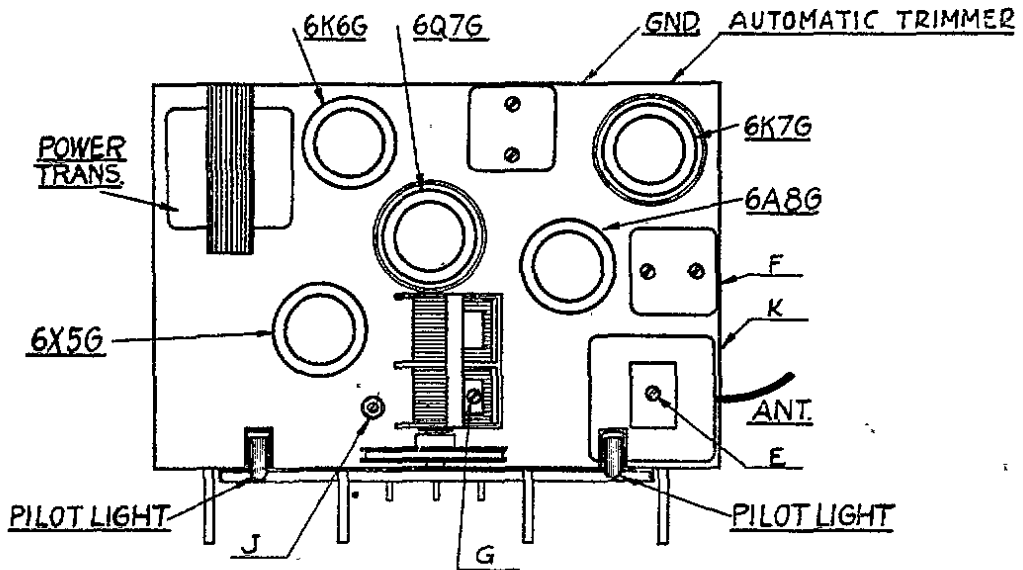
(C) Bias for triode section of 6Q7 and 6K6 measured across R10 and R11.



Models 5S319, 5S327, 5S330, 5S338, 57339

CHASSIS No. 5529

- LEGEND
- NC — No Connection
 - SH — Shield
 - H — Heater
 - P — Plate
 - S — Screen
 - G — Grid
 - SU — Suppressor
 - D — Diode
 - K — Cathode
 - F — Filament



Location of Tubes and Trimmers

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.	455	Br'dc't	600	ABCD	I. F. Alignment
2	Rec. Ant. Lead	200 Mmfd.	455	"	600	E	See Note
3	" " "	200 Mmfd.	1500	"	1500	F	Set Osc. to Scale
4	" " "	200 Mmfd.	1500	"	1500	G	Al'gment of Ant.
5	" " "	200 Mmfd.	600	"	600	J	Rock gang & adj. for max. output
6	" " "	200 Mmfd.		"		FG	Repeat 3 & 4
7	" " "	400 Ohms	18000	S.W.	18000	K	Rock gang & adj. for max. output

NOTE: If receiver is used in location subject to code interference adjust wave trap (E) for minimum interference with antenna connected and receiver operating in broadcast band.