

## Zenith Radio Corp.

**Model: 5-S-319**

**Chassis:**

**Year: Pre October 1938**

**Power:**

**Circuit:**

**IF:**

**Tubes:**

**Bands:**

### Resources

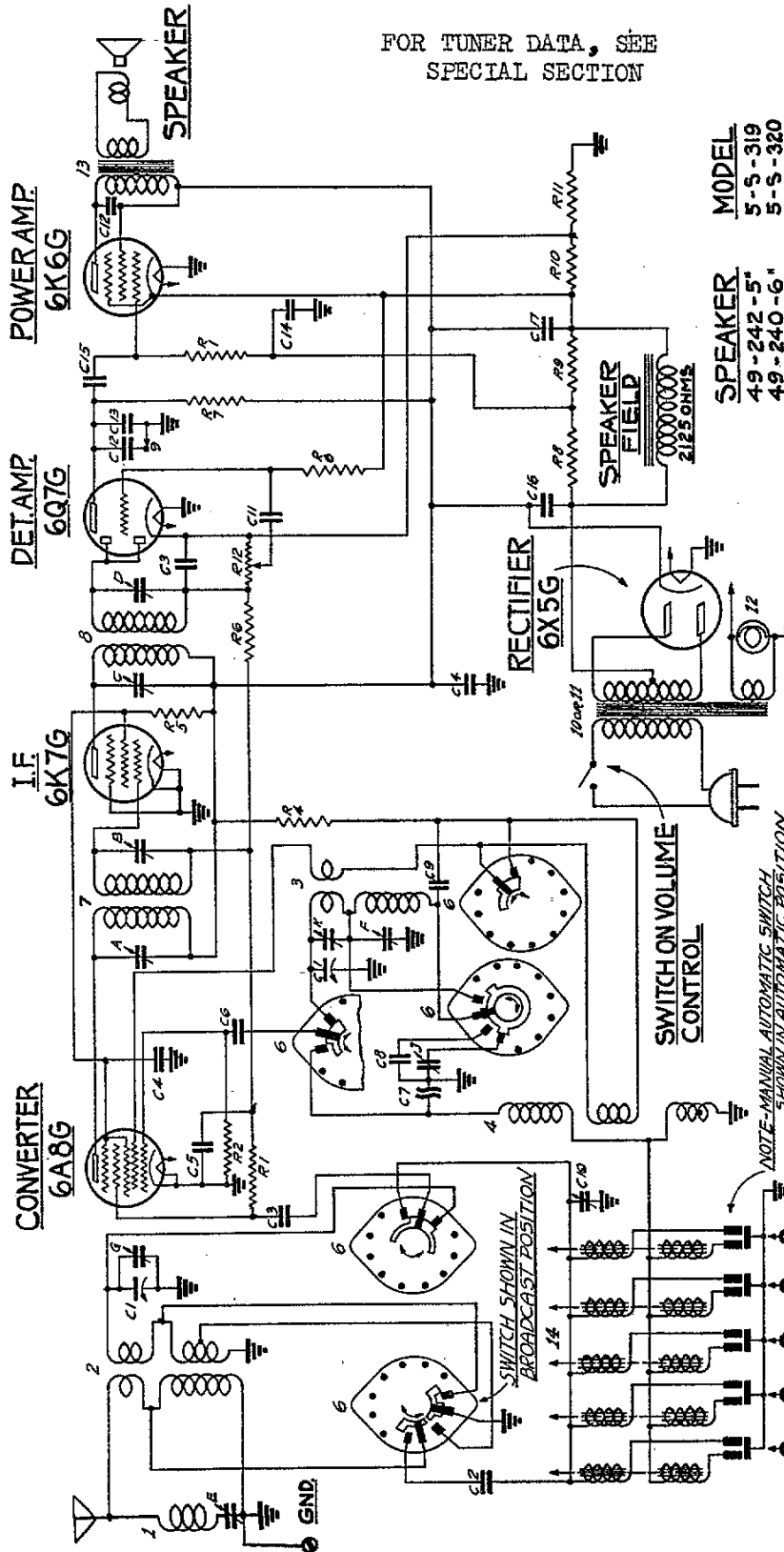
**Riders Volume 9 - ZENITH 9-11**

**Riders Volume 9 - ZENITH 9-12**

ZENITH RADIO CORP.

MODELS 58319, 58330, 58327  
58338, 58339  
Chassis 5529  
Schematic, Parts

FOR TUNER DATA, SEE  
SPECIAL SECTION



MODEL	SPEAKER
5-5-319	49-242-5"
5-5-320	49-240-6"
5-5-327	49-244-6"
5-5-336	49-240-6"
5-5-339	49-240-6"

NOTE:  
TRANSFORMERS "E.M.A."  
ADVANCED ELECTRO-TELETYPE  
SERIES # 22-6862

I.F. FREQUENCY 455 K.C.  
5 TUBE SUPERHETERODYNE  
CHASSIS # 5529 A.C. 2-BAND  
ZENITH RADIO CORPORATION  
CHICAGO, ILLINOIS

PART NO.	QTY.	DESCRIPTION	QTY.	DESCRIPTION
C-1	22-239	50 MFD 50V COND.	6	85-149 BAND SELECTOR SWITCH
C-2	22-239	50 MFD 50V COND.	7	95-519 1 ST. I.F. TRANS.
C-3	22-212	.001 MFD	8	95-514 2 ND I.F. TRANS.
C-4	22-212	.001 MFD	9	85-145 TONE CONTROL SWITCH
C-5	22-240	.05 MFD	10	95-521 POWER TRANS. 50-60-117 VOLT
C-6	22-240	.05 MFD	11	95-523 POWER TRANS. 25-115 VOLT 250V
C-7	22-127	2.5 MFD	12	100-38 PILOT LIGHT 25A-6.3V
C-8	22-263	FIXED PHASOR	13	100-38 PILOT LIGHT 25A-6.3V
C-9	22-263	FIXED PHASOR	14	100-38 PILOT LIGHT 25A-6.3V
C-10	22-263	FIXED PHASOR	15	100-38 PILOT LIGHT 25A-6.3V
C-11	22-263	FIXED PHASOR	16	100-38 PILOT LIGHT 25A-6.3V
C-12	22-263	FIXED PHASOR	17	100-38 PILOT LIGHT 25A-6.3V
C-13	22-263	FIXED PHASOR	18	100-38 PILOT LIGHT 25A-6.3V
C-14	22-263	FIXED PHASOR	19	100-38 PILOT LIGHT 25A-6.3V
C-15	22-263	FIXED PHASOR	20	100-38 PILOT LIGHT 25A-6.3V
C-16	22-263	FIXED PHASOR	21	100-38 PILOT LIGHT 25A-6.3V
C-17	22-263	FIXED PHASOR	22	100-38 PILOT LIGHT 25A-6.3V

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.

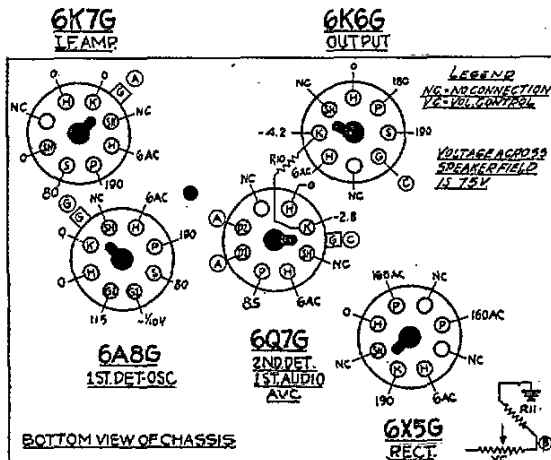
Line voltage 115 v. Consumption 45 watts.

Power output 3 watts.

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

(B) Low side of volume control.

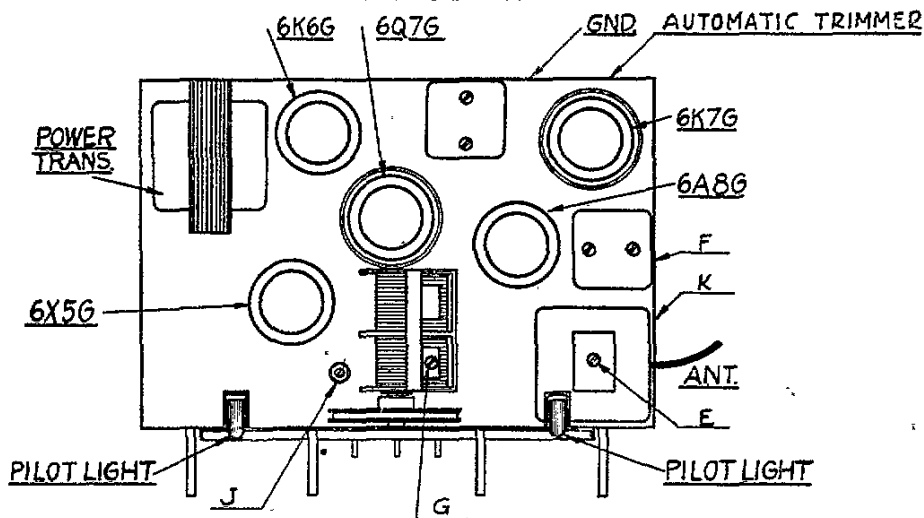
(C) Bias for triode section of 6Q7 and 6K6 measured across R10 and R11.



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.