

## Zenith Radio Corp.

**Model:** 9-S-232

**Chassis:**

**Year:** Pre October 1937

**Power:**

**Circuit:**

**IF:**

**Tubes:**

**Bands:**

### Resources

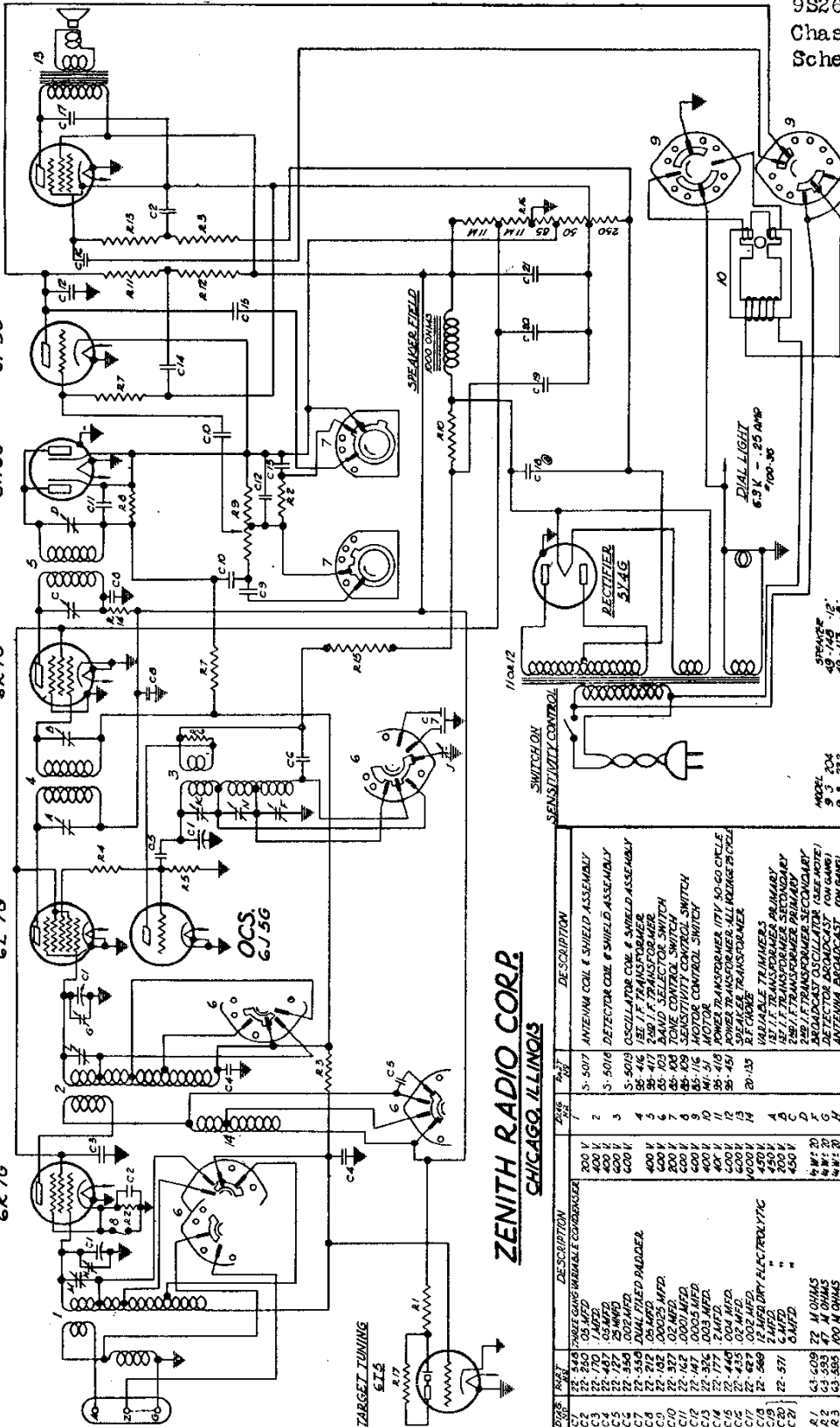
[Riders Volume 8 - ZENITH 8-35](#)

[Riders Volume 8 - ZENITH 8-42](#)

ZENITH RADIO CORP.

MODELS 9S203, 9S232, 9S242  
 9S244, 9S262, 9S263  
 9S264  
 Chassis 5905  
 Schematic, Parts

R.F. 6K7G  
 2<sup>ND</sup> DET. 6L7G  
 I.F. 6K7G  
 2<sup>ND</sup> DET. A.K. AUDIO 6H6G  
 POWER 6F6G



I.F. FREQUENCY 456 K.C.  
 3 BAND SUPERHETERODYNE

FOR ALIGNMENT AND PHONO. DATA, SEE INDEX

SWITCH	12	13	14	15	16	17	18
9S-203	9S-232	9S-242	9S-244	9S-262	9S-263	9S-264	

ZENITH RADIO CORP.  
 CHICAGO, ILLINOIS

TYPE	QTY	DESCRIPTION
22	548	TRIPLE GANG VARIABLE CONDENSER
C2	22-250	0.01 MFD
C3	22-170	0.01 MFD
C4	22-177	0.01 MFD
C5	22-350	0.02 MFD
C6	22-510	0.02 MFD
C7	22-182	DUAL FILLED PAPER
C8	22-182	0.0025 MFD
C9	22-327	0.02 MFD
C10	22-162	0.001 MFD
C11	22-162	0.001 MFD
C12	22-167	0.005 MFD
C13	22-171	0.01 MFD
C14	22-171	0.01 MFD
C15	22-440	0.04 MFD
C16	22-435	0.02 MFD
C17	22-627	0.02 MFD
C18	22-580	0.01 MFD
C19	22-571	0.01 MFD
C20	22-571	0.01 MFD
R1	63-609	72 OHMS
R2	63-695	47 OHMS
R3	63-695	47 OHMS
R4	63-695	47 OHMS
R5	63-695	47 OHMS
R6	63-695	47 OHMS
R7	63-695	47 OHMS
R8	63-695	47 OHMS
R9	63-695	47 OHMS
R10	63-695	47 OHMS
R11	63-695	47 OHMS
R12	63-695	47 OHMS
R13	63-695	47 OHMS
R14	63-695	47 OHMS
R15	63-695	47 OHMS
R16	63-695	47 OHMS
R17	63-695	47 OHMS

NOTE: TUBES F. K. I. IN PARENTHESIS IDENTIFIED ON BARELITE STRIP AND NOT RE-549

MODELS 9S203, 9S232, 9S242  
 9S244, 9S262, 9S263  
 9S264  
 Chassis 5905

ZENITH RADIO CORP.

Voltage, Alignment  
 Socket, Trimmers

MODELS 12S205, 12S232  
 12S245, 12S265  
 12S266, 12S267  
 12S268  
 Chassis 1204

CHASSIS 1204

Model 12S series

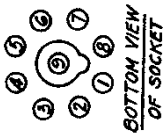
SOCKET VOLTAGES

Tube	Position	1	2	3	4	5	6	7	8	9
6K7	R. F.	0	3.2	245	83	0	—	—	3.2	0
6L7	Converter	0	3.2	243	83	-10	—	—	3.2	0
6J5	Osc.	0	3.2	121	—	—	—	—	3.2	0
6K7	I. F.	0	3.2	237	83	0	—	—	3.2	0
6H6	2nd Det. A.V.C.	0	3.2	-2	-1.5	-2	—	—	3.2	-1.5
6J5	1st Audio	0	3.2	70	—	-5	—	—	3.2	-1.5
6J5	2nd Audio	0	3.2	74	—	-2	—	—	3.2	-5
6J5	Inverter	0	3.2	76	—	-2	—	—	3.2	-5
6V6	Power	0	3.2	231	240	-2.5	—	—	3.2	8
6V6	Power	0	3.2	231	240	-2.5	—	—	3.2	8
5Y4	Rect.	0	—	AC	—	—	—	—	—	—
6T5	Target	3.2	1.5	-1.5	240	-1.5	3.2	—	—	—

All voltages measured from point indicated to ground using a 1000 Ohm per Volt meter, antenna and ground disconnected. Line voltage 117V. Consumption 110W. Power output 15W.

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.	456	Br'dc't	600	ABCD	I. F. Alignment
2	Rec. Ant. Post	200 Mmfd.	1500	"	1500	F	Set Osc. to Scale
3	"	200 Mmfd.	1500	"	1500	GH	Align of Ant.&Det for max. output
4	"	200 Mmfd.	600	"	600	J	Repeat 2 & 3
5	Rec. Ant. Post	400 Ohms	18000	S.W.	18000	K	Set Osc. to Scale
7	"	400 Ohms	16500	S.W.	16500	LM	Rock gang & adj. for max. output
8	"	400 Ohms	5500	Police	5500	N	Rock gang & adj. for max. output



BOTTOM VIEW OF SOCKET

CHASSIS 5905

MODEL 9S series

SOCKET VOLTAGES

Tube	Position	1	2	3	4	5	6	7	8	9
6K7	R. F.	0	0	240	80	0	—	6.2	0	-2
6L7	Converter	0	6.2	240	80	-7	—	0	0	-1
6J5	Osc.	0	6.2	120	—	-8	—	0	0	0
6K7	I. F.	0	6.2	237	80	0	—	0	0	-1
6H6	2nd Det. A.V.C.	0	0	-2.5	-2	-2.5	—	6.2	-2	—
6F5	1st Audio	0	0	82	—	—	—	6.2	-2	-2.5
6F6	Power	0	0	225	240	-3.5	—	6.2	-4.5	—
5Y4	Rect.	0	—	AC	—	AC	—	298	298	—
6T5	Target	0	10	-2	240	-2	6.2	—	—	—

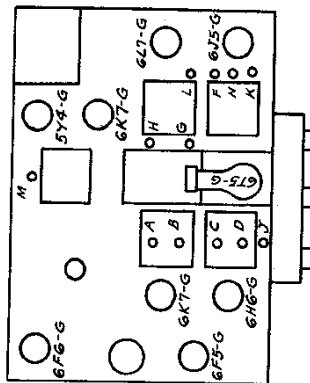
All voltages measured from point indicated to ground using a 1000 Ohm per Volt meter, antenna and ground disconnected. Line voltage 117V. Consumption 75W. Power output 4.5W.



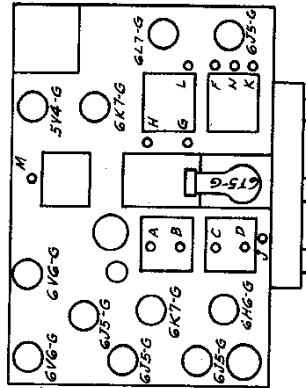
BOTTOM VIEW OF SOCKET

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.	456	Br'dc't	600	ABCD	I. F. Alignment
2	Rec. Ant. Post	200 Mmfd.	1500	"	1500	F	Set Osc. to Scale
3	"	200 Mmfd.	1500	"	1500	GH	Align of Ant.&Det for max. output
4	"	200 Mmfd.	600	"	600	J	Repeat 2 & 3
5	Rec. Ant. Post	400 Ohms	18000	S.W.	18000	K	Set Osc. to Scale
7	"	400 Ohms	16500	S.W.	16500	LM	Rock gang & adj. for max. output
8	"	400 Ohms	5500	Police	5500	N	Rock gang & adj. for max. output



LOCATION OF TRIMMERS



LOCATION OF TRIMMERS