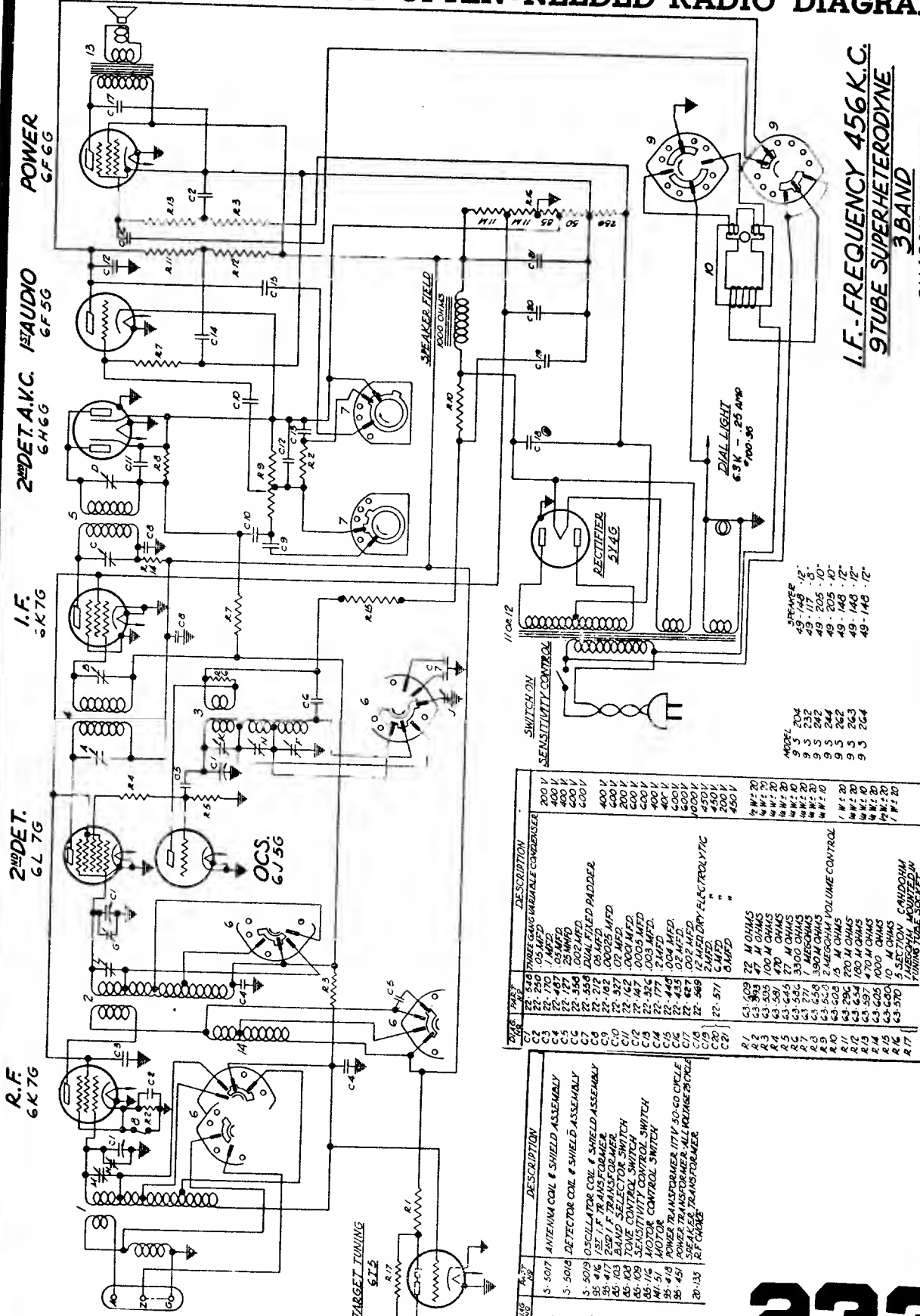




Zenith Radio Corp.

Zenith Radio Corp.			
	Model: 9-S-264	Chassis:	Year: Pre October 1937
	Power:	Circuit:	IF:
	Tubes:		
	Bands:		
Resources			
Beitmans 1926-38 233			
Riders 8 (VIII) ZENITH 8-35			
Riders 8 (VIII) ZENITH 8-42			

MANUAL OF MOST-OFTEN-NEEDED RADIO DIAGRAMS



I.F.-FREQUENCY 456 K.C.
9TUBE SUPERHETERODYNE
3 BAND
CHASSIS NO. 5905

NO.	PART	DESCRIPTION
1	22-340	SWIFTING VARIANCE CONDENSER
2	22-340	200 V
3	22-340	0.05 MFD
4	22-340	0.05 MFD
5	22-340	0.05 MFD
6	22-340	0.05 MFD
7	22-340	0.05 MFD
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91	22-340	0.05 MFD
92	22-340	0.05 MFD
93	22-340	0.05 MFD
94	22-340	0.05 MFD
95	22-340	0.05 MFD
96	22-340	0.05 MFD
97	22-340	0.05 MFD
98	22-340	0.05 MFD
99	22-340	0.05 MFD
100	22-340	0.05 MFD

Models 9-S-203, 9-S-232, 9-S-242, 9-S-244, 9-S-262, 9-S-263, 9-S-264 (5905 Chassis)

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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

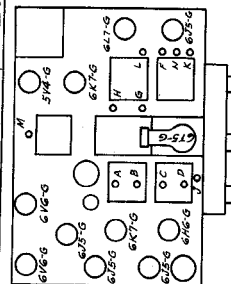
SOCKET VOLTAGES

Tube	Position	1	2	3	4	5	6	7	8	9
6K7	R. F.	0	3.2	45	83	0	—	3.2	0	0
6L7	Converter	0	3.2	243	83	0	—	3.2	0	0
6B5	Osc.	0	3.2	131	—	10.5	—	3.2	0	0
6K7	I. F.	0	3.2	457	83	0	—	3.2	0	0
6B6	2nd Det.	0	3.2	—	—	—	—	—	—	—
6B5	1st Audio	0	3.2	74	—	—	—	3.2	1.5	—
6B5	2nd Audio	0	3.2	74	—	—	—	3.2	—	—
6B5	Inverter	0	3.2	74	—	—	—	3.2	—	—
6V6	Power	0	3.2	231	240	—	—	3.2	8	—
5Y4	Rect.	0	—	AC	—	—	—	3.2	8	—
6T5	Turret	3.2	15	—	240	—	—	3.2	318	—

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—	Dynamic Resistance	Set Test Osc. to—	Band	Set Test Osc. to—	Adjust Trimmer	Purpose
1	1st Det. Grid	1/2 Mtd.	455	Br'dc't	600	ABCD	I. F. Alignment
2	Rec. Ant. Post	200 Mtd.	1500	"	1500	F	Set Osc. to Scale
3	"	"	"	"	1500	GH	Align. of Ant. Det.
4	"	"	"	"	600	J	Rock gang & adj. for max. output
5	"	"	"	"	18000	K	Repeat 2 & 3
6	Rec. Ant. Post	400 Ohms	18000	S.W.	18000	LM	Rock gang & adj. for max. output
7	"	"	"	"	16500	LM	Rock gang & adj. for max. output
8	"	"	"	"	5500	N	Rock gang & adj. for max. output



LOCATION OF TRIMMERS

CHASSIS 5905

Model 3S series

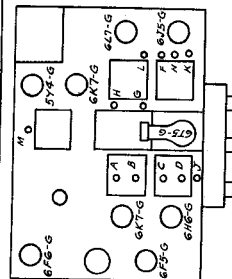
SOCKET VOLTAGES

Tube	Position	1	2	3	4	5	6	7	8	9
6K7	R. F.	0	240	80	0	—	—	3.2	0	—
6L7	Converter	0	6.2	240	80	—	—	0	—	—
6K7	Osc.	0	6.2	130	—	—	—	0	—	—
6K7	I. F.	0	6.2	237	80	0	—	0	—	—
6B6	2nd Det.	0	0	—	—	—	—	—	—	—
6B5	1st Audio	0	0	—	—	—	—	—	—	—
6B5	2nd Audio	0	0	—	—	—	—	—	—	—
6B5	Inverter	0	0	—	—	—	—	—	—	—
6V6	Power	0	0	—	—	—	—	—	—	—
5Y4	Rect.	0	—	AC	—	—	—	—	—	—
6T5	Turret	0	10	—	240	—	—	—	—	—

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.

ALIGNMENT PROCEDURE

Operation	Connect Test Oscillator to—	Dynamic Resistance	Set Test Osc. to—	Band	Set Test Osc. to—	Adjust Trimmer	Purpose
1	1st Det. Grid	1/2 Mtd.	455	Br'dc't	600	ABCD	I. F. Alignment
2	Rec. Ant. Post	200 Mtd.	1500	"	1500	F	Set Osc. to Scale
3	"	"	"	"	1500	GH	Align. of Ant. Det.
4	"	"	"	"	600	J	Rock gang & adj. for max. output
5	"	"	"	"	18000	K	Repeat 2 & 3
6	Rec. Ant. Post	400 Ohms	18000	S.W.	18000	LM	Rock gang & adj. for max. output
7	"	"	"	"	16500	LM	Rock gang & adj. for max. output
8	"	"	"	"	5500	N	Rock gang & adj. for max. output



LOCATION OF TRIMMERS