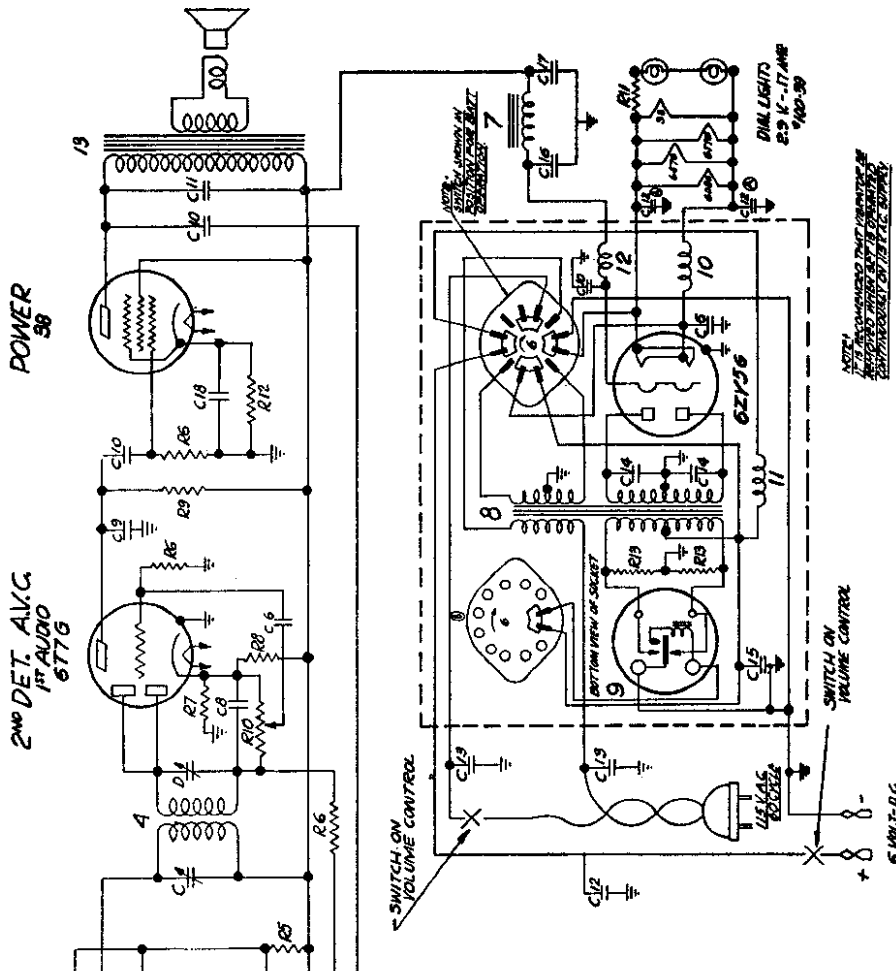


ZENITH RADIO CORP.

MODELS 5J217, 5J247, 5J255
Chassis 5524
Schematic, Parts



FOR PHONO. DATA, SEE INDEX

I.F. FREQUENCY 456 K.C.
5 TUBE BATTERY SUPERHETERODYNE
6 VOLT D.C. #115 VOLT A.C.
Models 5-J-217, 5-J-247, 5-J-255 (5524 Chassis)

ZENITH RADIO CORP.
CHICAGO, ILLINOIS

PART NO.	DESCRIPTION	QTY.
C1	22-553 .05 MFD	1
C2	22-407 .05 MFD	1
C3	22-269 .05 MFD	1
C4	22-350 .05 MFD	1
C5	22-563 .05 MFD	1
C6	22-250 .05 MFD	1
C7	22-243 .05 MFD	1
C8	22-182 .05 MFD	1
C9	22-147 .05 MFD	1
C10	22-212 .05 MFD	1
C11	22-432 .05 MFD	1
C12	22-350 .05 MFD	1
C13	22-435 .05 MFD	1
C14	22-374 .05 MFD	1
C15	22-189 .05 MFD	1
C16	22-577 .05 MFD	1
C17	.05 MFD	1
C18	.05 MFD	1
C19	.05 MFD	1
R1	400 K	1
R2	600 K	1
R3	600 K	1
R4	200 K	1
R5	400 K	1
R6	600 K	1
R7	600 K	1
R8	600 K	1
R9	600 K	1
R10	600 K	1
R11	600 K	1
R12	600 K	1
R13	600 K	1
1	5-5303	1
2	5-4809	1
3	95-443	1
4	95-444	1
5	95-104	1
6	05-425	1
7	05-238	1
8	95-425	1
9	180-11	1
10	5-278	1
11	5-5040	1
12	20-82	1
13	20-82	1

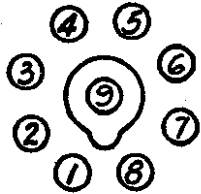
MODELS 5J217, 5J247, 5J255
Chassis 5524

ZENITH RADIO CORP.

Voltage, Socket, Trimmers
Alignment

SOCKET VOLTAGES

Tube	Position	1	2	3	4	5	6	7	8	9
6D8	Converter Osc.	0	0	129	42.5	-2	110	6.3	1.5	0
6S7	I. F.	0	0	130	42.5	1.5	—	6.3	1.5	0
6T7	2nd Det. A.V.C. 1st Audio	0	0	23	.1	.1	—	6.3	.5	0
6ZY5G	Rect.	0	6.3	-3.5	—	-3.5	—	0	140	—
		H	P	S	K	H	G			
38	Power	0	124	129	12	6.3	0			



All voltages measured from point indicated to ground using a 1000 Ohm per Volt meter, antenna and ground disconnected. Line voltage 117V. Consumption 16W. Battery voltage 6.3V consumption 2.1 Amp. Power Output .84W.

**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. Lead	200 Mmfd.	1500	"	1500	F	Set Osc. to Scale
3	" " "	200 Mmfd.	1500	"	1500	G	Al'gment of Ant.
4	" " "	200 Mmfd.	600	"	600	J	Rock gang & adj. for max. output.
5				"		FG	Repeat 2 & 3.
6	Rec. Ant. Lead	400 Ohms	18000	S.W.	18000	K	Set Osc. to Scale
7	" " "	400 Ohms	16500	S.W.	16500	L	Rock gang & adj. for max. output.

LOCATION OF TRIMMERS

