

ZENITH RADIO CORP.

MODELS 6A203, 6A223, 6A229  
 6A239, 6A241, Chas. 5640AT  
 MODELS 8A232, 8A242, 8A244  
 8A262, Chassis 5804AT

Alignment, Socket, Trimmers

CHASSIS 5640, 5804A Secret Volume Governor

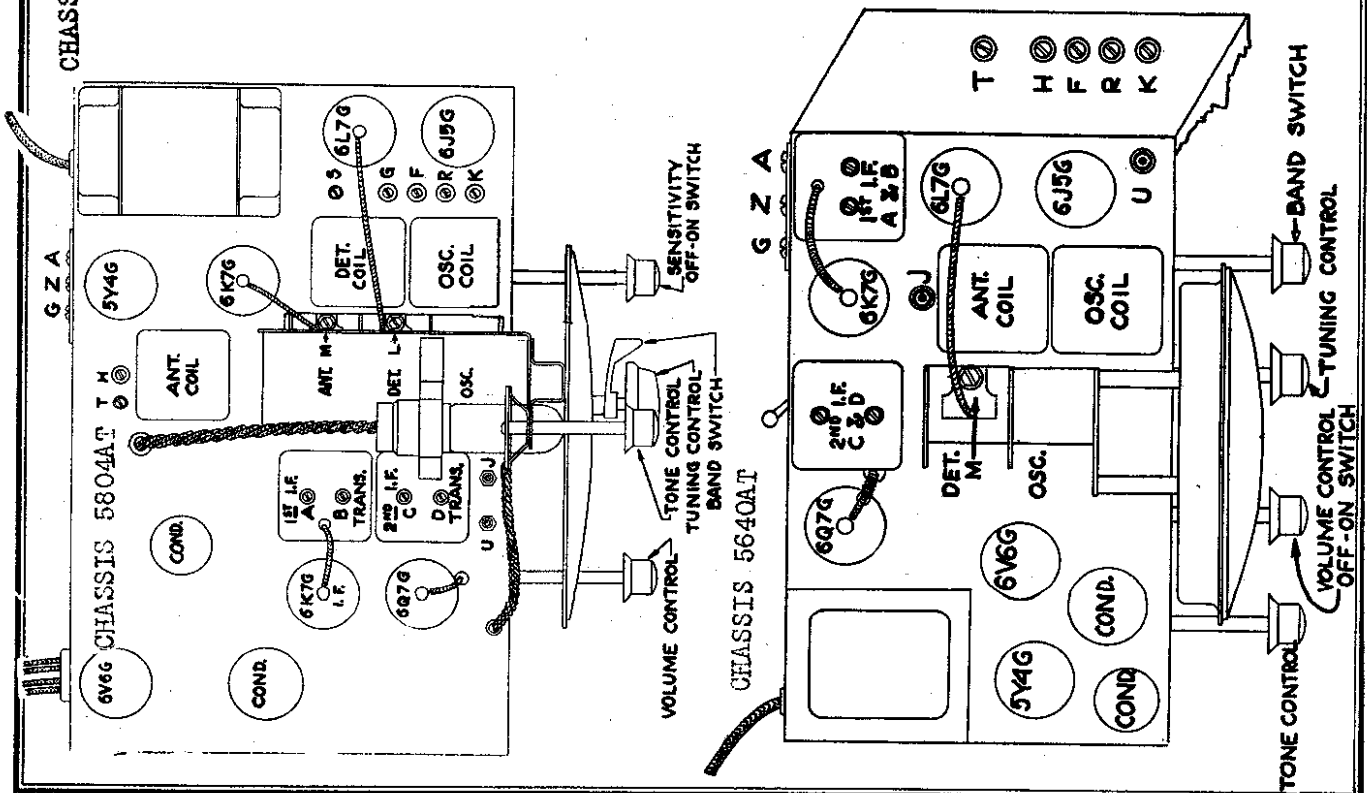
Where it is desired to limit the maximum volume of the receiver to a pre-determined level such as for hospital use, use in public places, etc., this may be done as follows:

1. Tune the receiver carefully to a local station, and adjust the volume to the loudest desired setting.
2. Remove the knob by pulling directly away from the panel, and insert the short headless screw into the hole provided in the rear of the knob closest to the right side of the elongated cut-out around the volume control shaft.
3. It may be necessary to move the screw to the next hole in either direction before it is definitely determined what volume level is desired.

Alignment Procedure  
 CHASSIS 5640AT AND 5804AT

Operation	Sig. Gen. Connected to	Dummy	Gen. Freq.	Band Switch	Receiver Dial	Trimmer	Remarks:
1	1st Det. Grid	1/2 mfd	456	Med. Wave	550KC	ABCD	I F Alignment
2	Rec. Ant. Post	400 Ohms	18000	S. W.	18000	K	Set. Osc. To Scale
3	Rec. Ant. Post	400 Ohms	18000	S. W.	18000	L-M	Rock Gang While Adj. for Max. Output
4	Rec. Ant. Post	200 mfd.	1500	Med. Wave	1500	F	Set. Osc. to Scale
5	" " "	200 "	1500	"	1500	G-H	Adjust for Max. Output
6	" " "	200 "	550	"	550	J	Rock Gang while Adjusting for Maximum Output
7	" " "	200 "	1500	"	1500	F-GH	Repeat 4 & 5
8	" " "	200 "	400	L. W.	400	R	Set. Osc. to Scale
9	" " "	200 "	400	L. W.	400	S-T	Adjust for Max. Output
10	" " "	200 "	166.7	L. W.	166.7	U	Rock Gang While Adjusting for max. Output
11	" " "	200 "	400	L. W.	400	R-S-T	Repeat 8 & 9

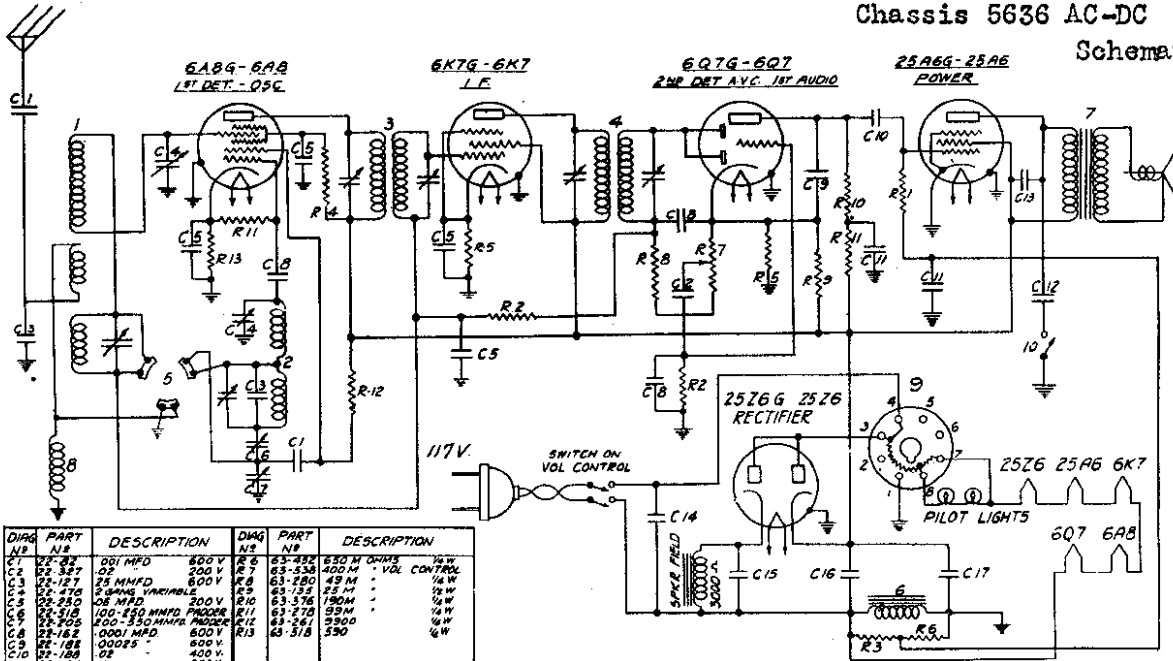
\*MODEL CHASSIS 5804A ONLY



ZENITH RADIO CORP.

MODELS 6A203, 6A223, 6A229  
6A239, 6A241, Ch. 5640AT  
MODELS 6DL120 to 6DL122  
Chassis 5636 AC-DC

Schematics



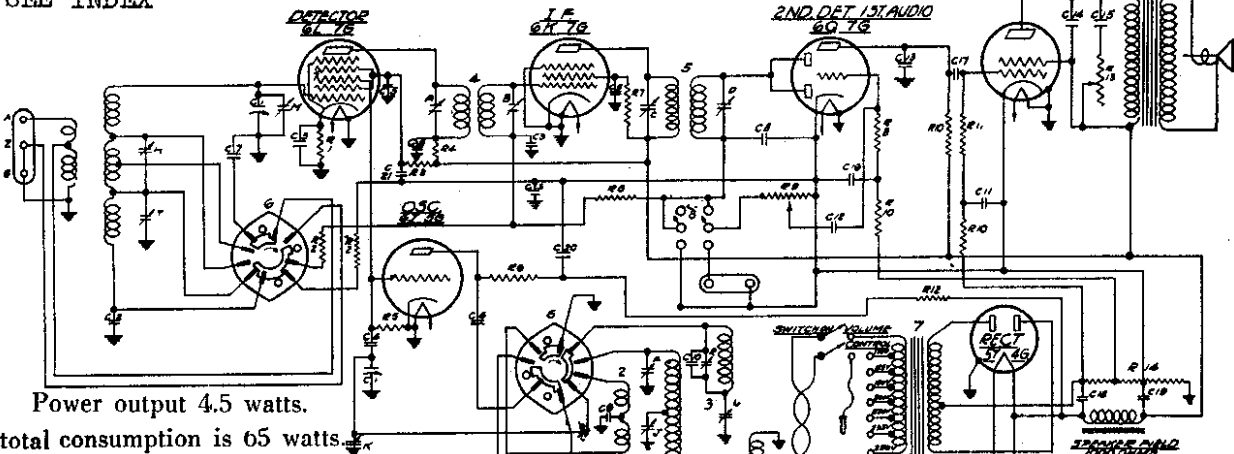
DIAG	PART	DESCRIPTION	DIAG	PART	DESCRIPTION
C1	22-22	.001 MFD 800 V	R6	63-492	650 M OHMS 1/4 W
C2	22-227	.01 MFD 200 V	R7	63-538	400M VOL CONTROL
C3	22-27	25 MHFD 600V	R8	63-250	49 M . . . 1/4 W
C4	22-470	2.5MΩ VARIABLE	R9	63-135	25 M . . . 1/4 W
C5	22-250	.05 MFD 200 V	R10	63-376	190M . . . 1/4 W
C6	22-510	100-350 MHFD 500V	R11	63-370	59 M . . . 1/4 W
C7	22-305	200-350 MHFD 500V	R12	63-261	3300 . . . 1/4 W
C8	22-182	.0001 MFD 800 V	R13	63-578	590 . . . 1/4 W
C9	22-182	.0001 MFD 800 V			
C10	22-180	.01 . . . 400 V			
C11	22-190	.01 . . . 200 V			
C12	22-575	.05 . . . 400 V			
C13	22-229	.005 . . . 400 V			
C14	22-255	.01 . . . 1200 V			
C15	22-517	.06 . . . 250 V			
C16	22-517	.06 . . . 250 V			
C17	22-516	.8 . . . 250 V			
			20-144	ANT COIL ASSEMBLY	
			20-145	OSC COIL ASSEMBLY	
			34-570	1ST I.F. TRANS	
			32-347	2ND I.F. TRANS	
			33-101	BAND SELECT SWITCH	
			33-141	SPEAKER	
			20-39	ANTENNA CHOK	
			100-37	BALLAST TUBE (117V)	
			83-102	-tone CONTROL SWITCH	
R1	63-290	260M OHMS 1/2 W			
R2	63-293	400M . . .			
R3	63-288	18 M . . .			
R4	63-362	400 . . .			

I.F. FREQUENCY 456 KC  
6 TUBE SUPERHETERODYNE  
CHASSIS No 5636 AC-DC

ZENITH RADIO CORPORATION  
CHICAGO, ILLINOIS

Power Output 15 watts.  
Current Consumption 44 watts

FOR OTHER DATA  
SEE INDEX



Power output 4.5 watts.

The total consumption is 65 watts.

DIAG	PART	DESCRIPTION	DIAG	PART	DESCRIPTION
C1	22-643	TRIMMABLE VARIABLE	R1	63-271	150 OHMS 1/4 W
C2	22-350	.01 MFD 200 V	R2	63-625	100 OHMS 1/4 W
C3	22-351	.01 MFD 200 V	R3	63-380	120 OHMS 1/4 W
C4	22-352	.01 MFD 200 V	R4	63-381	120 OHMS 1/4 W
C5	22-353	.01 MFD 200 V	R5	63-382	120 OHMS 1/4 W
C6	22-354	.01 MFD 200 V	R6	63-383	120 OHMS 1/4 W
C7	22-355	.01 MFD 200 V	R7	63-384	120 OHMS 1/4 W
C8	22-356	.01 MFD 200 V	R8	63-385	120 OHMS 1/4 W
C9	22-357	.01 MFD 200 V	R9	63-386	120 OHMS 1/4 W
C10	22-358	.01 MFD 200 V	R10	63-387	120 OHMS 1/4 W
C11	22-359	.01 MFD 200 V	R11	63-388	120 OHMS 1/4 W
C12	22-360	.01 MFD 200 V	R12	63-389	120 OHMS 1/4 W
C13	22-361	.01 MFD 200 V	R13	63-390	120 OHMS 1/4 W
C14	22-362	.01 MFD 200 V	R14	63-391	120 OHMS 1/4 W
C15	22-363	.01 MFD 200 V	R15	63-392	120 OHMS 1/4 W
C16	22-364	.01 MFD 200 V	R16	63-393	120 OHMS 1/4 W
C17	22-365	.01 MFD 200 V	R17	63-394	120 OHMS 1/4 W
C18	22-366	.01 MFD 200 V	R18	63-395	120 OHMS 1/4 W
C19	22-367	.01 MFD 200 V	R19	63-396	120 OHMS 1/4 W
C20	22-368	.01 MFD 200 V	R20	63-397	120 OHMS 1/4 W
C21	22-369	.01 MFD 200 V	R21	63-398	120 OHMS 1/4 W
			3-243	ANTENNA COIL ASSEM	
			3-244	ANT COIL & SHIELD ASSEM	
			3-245	SHORT WAVE OSC COIL	
			3-246	OSC COIL 49.3 OHM	
			3-247	OSC COIL SHIELD ASSEM	
			3-248	1ST I.F. TRANSFORMER	
			3-249	2ND I.F. TRANSFORMER	
			3-250	BAND SWITCH	
			3-251	PAPER TRIMMER ALL VOLTS	
			3-252	PHONE SWITCH	
			3-253	SPRINGER TRANSFORMER	

MODEL	SPEAKER
6A-203	49-276 8 M
6A-223	49-277 8 M
6A-229	49-278 8 M
6A-239	49-279 8 M
6A-241	49-280 8 M
6DL-120	49-281 8 M
6DL-121	49-282 8 M
6DL-122	49-283 8 M

I.F. FREQUENCY 456 KC  
6 TUBE SUPERHETERODYNE  
CHASSIS No 5640 AT  
3 BAND LONG WAVE

ZENITH RADIO CORPORATION  
CHICAGO, ILLINOIS

BAND	KILOCYCLES
A	411 — 150
B	1538 — 432
C	23077 — 5660