Zenith Radio Corp.

	Model: 7-S-363	**Chassis:**	**Year:** Pre October 1938
	Power:	**Circuit:**	**IF:**
	Tubes:		
	Bands:		

Resources
Beitmans 1926-38 231
Riders 9 (IX) ZENITH 9-31
Riders 9 (IX) ZENITH 9-32

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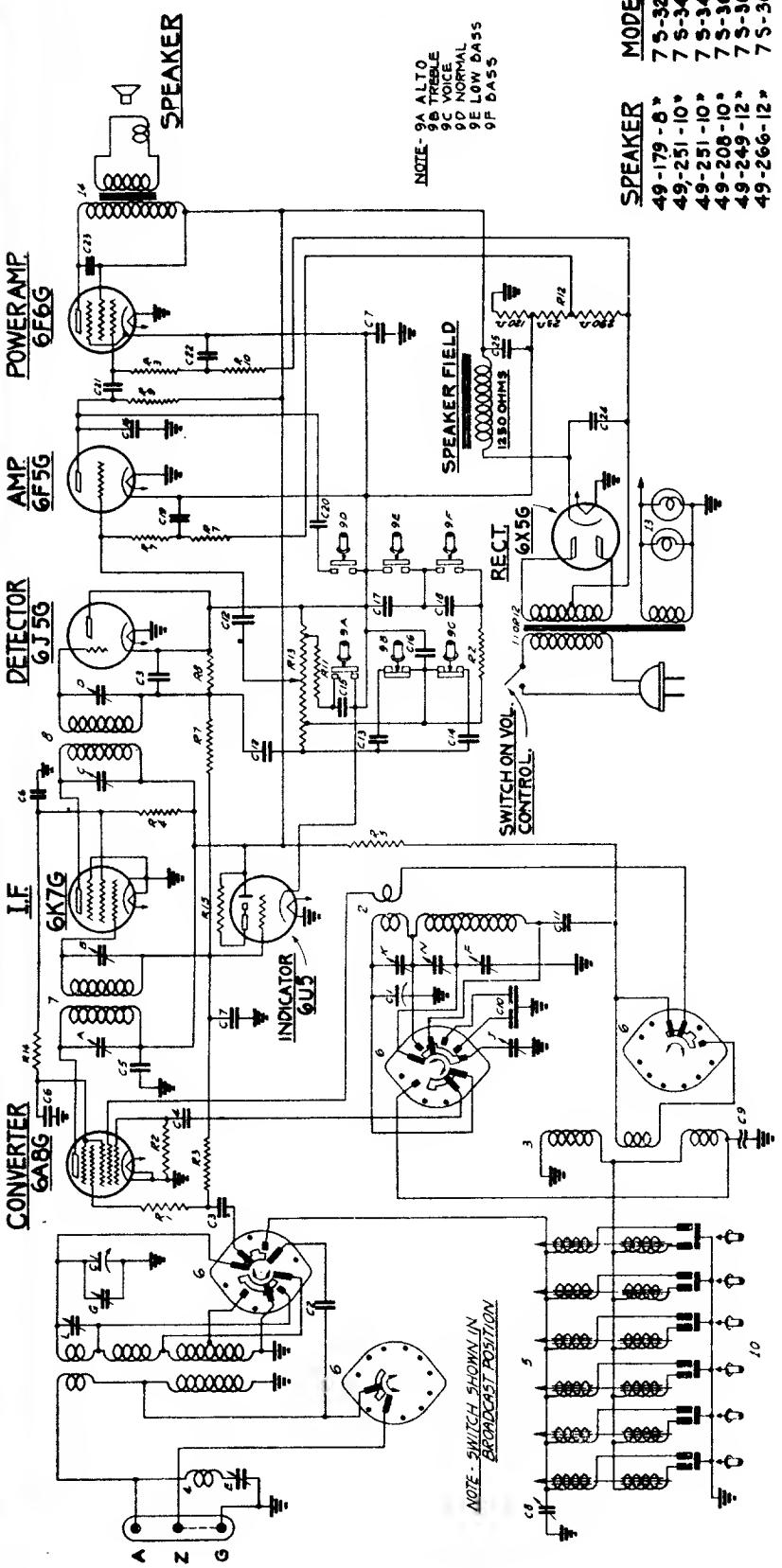
I.F. FREQUENCY 455 K.C.
7 TUBE SUPERHETERODYNE
CHASSIS Nº 5714-A.C. 3-BAND
ZENITH RADIO CORPORATION

Chassis No. 5714

SPEAKER	MODEL
49-179-8"	7S-323
49-251-10"	7S-342
49-251-10"	7S-343
49-208-10"	7S-363
49-249-12"	7S-366
49-266-12"	7S-364



BAND SW.	PART NO.	DESCRIPTION	D/AG NO.	PART NO.	DESCRIPTION	D/AG NO.	PART NO.	DESCRIPTION
C-1	22-717	TRIMMER CONDS.	L-2	22-415	.02 MFD	600V	P-13	41-305	VOLUME CONTROL	1A1		
C-2	22-280	30 MMFD	L-21	22-219	.03 MFD	200V	P-14	41-403	65 KOHM W/W			
C-3	22-182	200 MMFD	C-31	22-482	.002 MFD	600V	P-15		1 MEGOHM MOUNTED IN			
C-4	22-127	25 MMFD	C-24	22-718	.2 MFD ELECTROLYTIC	450V			TUNING TUBE BASE	4		1ST I.F. TRANS. PRI.
C-5	22-170	.1 MFD	C-23	22-719	.8 MFD ELECTROLYTIC	350V				4		1ST I.F. TRANS. SEC.
C-6	22-212	.05 MFD					1	5-6704	ANTENNA COIL & SHIELD ASSM'Y	2		2ND I.F. TRANS. PRI.
C-7	22-258	.05 MFD								2		2ND I.F. TRANS. SEC.
C-8	22-59	TRIMMER COND.					2	5-6705	OSC. COIL & SHIELD ASSM'Y	2		WAVE TRAP
C-9	22-280	COMPENSATING COND.							COMPENSATING COIL	6		ANTENNA RESIST. OSC. (SEE NOTE)
C-10	22-708	DUAL FIXED PACKAGE	P-1	41-621	39 OHM	1/2 W	3	20-196	WAVE TRAP	6	22-443	ANTENNA BALANCER (ON GANG)
C-11	22-351	.002 MFD	P-3	41-592	33 M OHM	1/2 W	4	20-146		6		ANTENNA PADDER
C-12	22-317	.02 MFD	P-4	41-597	470 M OHM	1/2 W	5			7		1ST I.F. TRANS. PRI.
C-13	22-182	200 S.S. MFD	P-5	41-584	47 M OHM	1 W	6	85-151	BAND SELECTOR SWITCH	7		1ST I.F. TRANS. SEC.
C-14	22-470	400 S.S. MFD		41-660	10 M OHM	1 W	7	85-236	1ST I.F. TRANS. PRIMARY	7		2ND I.F. TRANS. PRI.
C-15	22-185	.01 MFD	P-7	41-627	1 MEGOHM	1/2 W	8	85-237	2ND I.F. TRANS. PRIMARY	7		2ND I.F. TRANS. SEC.
C-16	22-147	.0005 MFD	P-8	41-655	220 M OHM	1/2 W	9	J-6214	TONE CONTROL SW. ASSM'Y	8		SHORT WAVE OSC. (SEE NOTE)
C-17	22-458	.005 MFD	P-9	41-596	270 M OHM	1/2 W	10	85-152	AUTOMATIC TUNING SWITCH	8		SHORT WAVE DETECTOR
C-18	22-316	.03 MFD	P-10	41-593	100 M OHM	1/2 W	11	85-226	SHORT WAVE TRIMMER 30-40 ~	8	22-365	POLICE BAND OSC. (SEE NOTE)
C-19	22-190	.1 MFD	P-11	41-539	22 M OHM	1/2 W	12	85-231	TRIMMERS ALIGNING 25 ~			
C-20	22-444	.004 MFD	P-12	41-604	3 SECTION CANDOHM	1/2 W	13	101-18	PILOT LIGHT 28 V. 1-6 A.			NOTE - TRIMMERS "E-F & K"
							14		SPEAKER FIELD			MOUNTED ON BAKELITE
												STRIP - PART NO. 22-484

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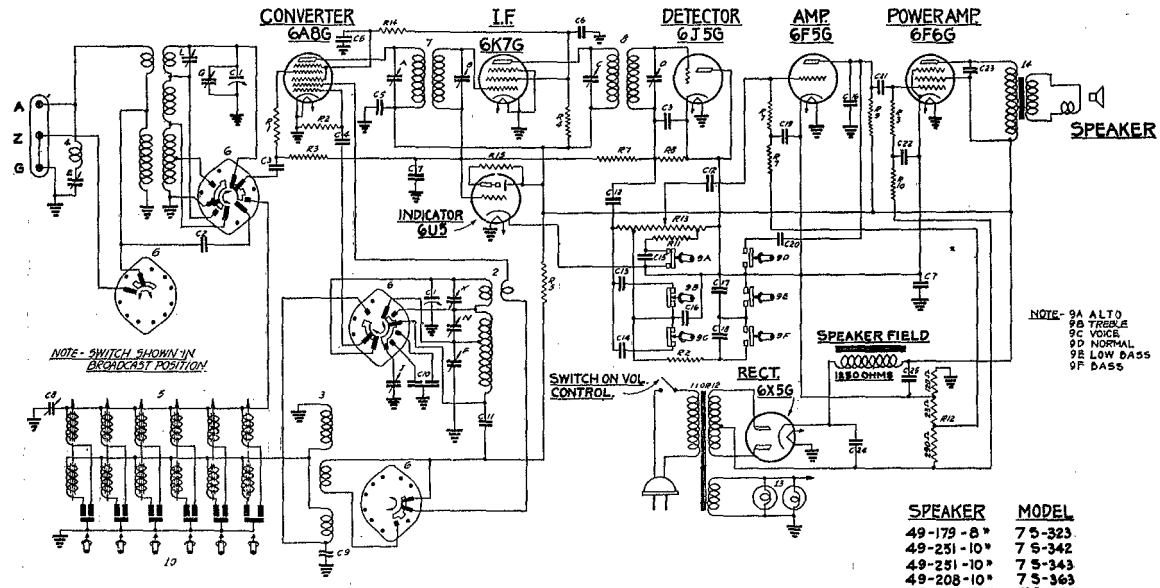
ZENITH RADIO CORP.

MODELS 7S323, 7S342, 7S343
7S363, 7S366, 7S364
Chassis 5714
Schematic, Parts



SPEAKER	MODEL
49-179-8"	7S-323
49-251-10"	7S-342
49-251-10"	7S-343
49-208-10"	7S-363
49-249-12"	7S-366
49-266-12"	7S-364

DIAG NO	PART NO	DESCRIPTION	D.C. VOLTS	PART NO	DESCRIPTION	D.C. VOLTS	PART NO	DESCRIPTION	DIAG NO	PART NO	DESCRIPTION
C-1	22-767	TWO GANG VAR CON'D.	-	72-445	.02 MFD	400V	R-13	63-985	VOLUME CONTROL		
C-2	22-239	ADJUSTING	6.3V	C-22	.01 MFD	400V	R-14	63-603	1/4 MEGOHM		
C-3	22-182	.0001 MFD	600V	C-23	22-492	400V	R-15		1 MEGOHM MOUNTED IN TUNING TUBE BASE		
C-4	22-127	85 MMFD	600V	C-26	22-718	450V					
C-5	22-170	.1 MFD	600V	C-43	22-719	350V	1				
C-6	22-272	.05 MFD	600V					1-6286	ANTENNA COIL & SHIELD ASSEM		
C-7	22-250	.08 MFD	600V				2				
C-8	22-518	TRIMMER COND						1-6285	OSC COIL & SHIELD ASSEM		
C-9	22-760	CONDENSATING GANG		R-1	63-621	.39 OHM	1/4 W	3	20-176	COMPENSATING COIL	
C-10	22-708	DUAL FIXED PADDER		R-2	63-592	35 M OHM	1/4 W	4	20-156	WAVE TRAP	
C-11	22-358	.002 MFD	600V	R-3	63-597	470 M OHM	1/4 W	5			
C-12	22-327	.02 MFD	600V	R-6	63-961	47 M OHM	1 W	6	95-151	BAND SELECTOR SWITCH	
C-13	22-182	.0001 MFD	600V	R-5	63-620	10 OHM	1 W	7	95-536	1ST. I.F. TRANS. PRIMARY	
C-14	22-270	.001 MFD	600V					8	95-537	2ND I.F. TRANS. SECONDARY	
C-15	21-185	.01 MFD	600V	R-7	61-271	1 MEGOHM	1/4 W	9	1-6224	TRIM CONTROL BY ASSEM	
C-16	22-147	.0005 MFD	600V	R-4	61-625	220 M OHM	1/4 W	10	95-533	AUTOMATIC TRIMMING SWITCH	
C-17	22-458	.006 MFD	600V	R-9	61-296	220 M OHM	1/4 W	11	95-526	MAIN TRANS-1ST-2ND & ~	
C-18	22-506	.003 MFD	600V	R-10	61-593	100 M OHM	1/4 W	12	95-535	POWER TRANS ALIV. TAPS 25 ~	
C-19	22-190	.1 MFD.	200V	R-11	63-591	82 M OHM	1/4 W	13	109-16	PILOT LIGHT .25 A - 6.3 V	
C-20	22-441	.006 MFD.	600V	R-12	63-986	3 SECTION CANDOHM		14		SPEAKER FIELD	

NOTE-TRIMMERS "F-K & N" MOUNTED ON BAKELITE STRIP-PART NO 22-826

FOR TUNER DATA, SEE SPECIAL SECTION

I.F. FREQUENCY 455 K.C.
7 TUBE SUPERHETERODYNE
CHASSIS Nº 5714-A.C. 3-BAND
ZENITH RADIO CORPORATION
CHICAGO, ILL.

MODELS 7S323,7S342,7S343
7S363,7S364,7S366
Chassis 5714
Voltage,Socket,Trimmers.
Alignment

ZENITH RADIO CORP.

NOTE

Voltages measured with a 1000 ohm per volt meter from chassis to socket contacts. Antenna disconnected — volume control on full.

Line voltage 115 V. Consumption 65 watts.

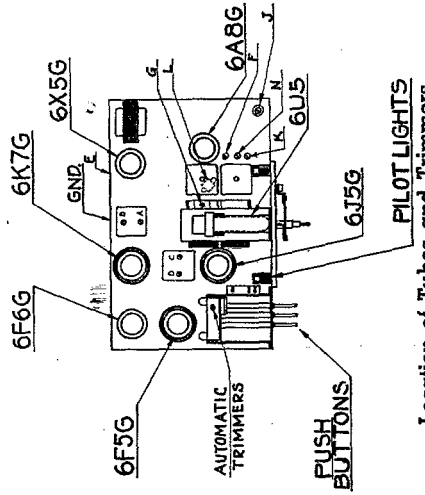
Power Output 4.5 watts.

(A) Bias for 6J5 — 6K7 and 6A8 measured across X of voltage divider is—2 volts.

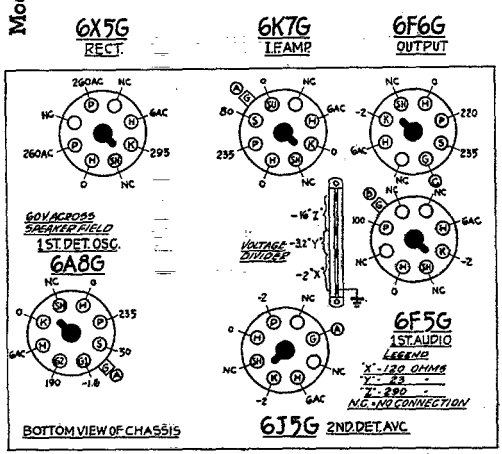
(B) Bias for 6F5 measured across X and Y sections of voltage divider is—3.2 volts.

(C) Bias for 6F6 measured across XY and Z sections of voltage divider is—16 volts.

Models 7S323, 7S342, 7S343, 7S363, 7S364, 7S366
CHASSIS No. 5714



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. Post	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	Repea 3 & 4
7	" " "	400 Ohms	18000	S.W.	18000	K	Set Osc. to Scale
8	" " "	400 Ohms	18000	S.W.	18000	L	Rock Gang & adj. for max. output.
9	" " "	400 Ohms	6000	Police	6000	N	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.

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