

MODELS 5A318, 5A325  
Chassis 5532A  
Voltage, Tuner Data  
Socket

ZENITH RADIO CORP.

MODEL 5S313B  
Chassis 5535BT  
Socket, Voltage

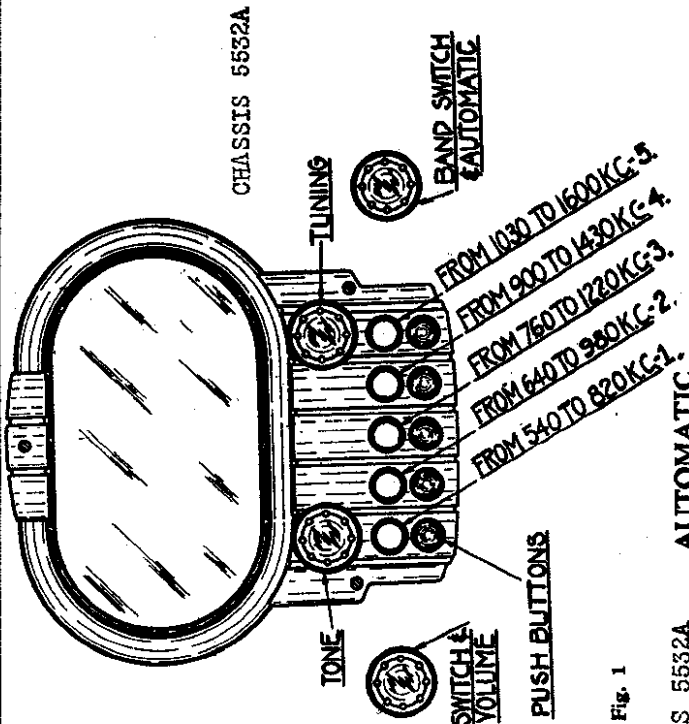


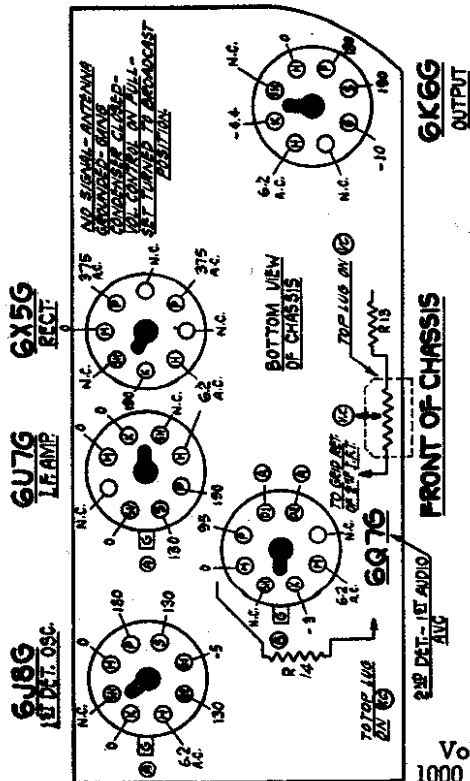
Fig. 1

CHASSIS 5532A AUTOMATIC

To set the buttons for automatic operation proceed as follows:

1. Select a station in the tuning range of the No. 1 button.
2. Place the band switch on BROADCAST and tune this station manually in the conventional manner.
3. Set the band switch to the AUTOMATIC position and press No. 1 button.
4. Remove the cap above the button by inserting a pin or your finger nail under the edge and pulling out.
5. Turn the exposed screw in either direction until the previously selected station is heard. (Recheck by switching back to BROADCAST.) Adjust the screw very carefully for best tone, greatest freedom from noise, and maximum volume.
6. Replace cap and cut the call letters of the station from the call sheet furnished with the receiver. Wet the rear surface of the tab, and place it in the space provided on the cap.
7. Follow the above operations in setting the remaining four buttons.
8. The call letter sheets should be preserved for use in the event it is desired to change any of the buttons to some other station.

CHASSIS 5535BT SOCKET VOLTAGES



AVC. DET. AMP. 6Q7G  
I.F. 6U7G  
POWER AMP. 6K6G

(A) Bias for 6J8G—6U7G and diodes of 6Q7 measured across resistor R14.  
(B) Bias for triode section of 6Q7G and 6K6G measured across R13 and R14.

Voltages measured with a 1000 ohm per volt meter from chassis to socket contacts. Antenna disconnected — volume control on full.  
Line voltage 115 v.

LEGEND: N.C.—No Connections; S.H.—Shield; H.—Heater; P.—Plate; S.—Screen; S.U.—Suppressor Grid; G.—Grid; D.I. Diode; K.—Cathode.

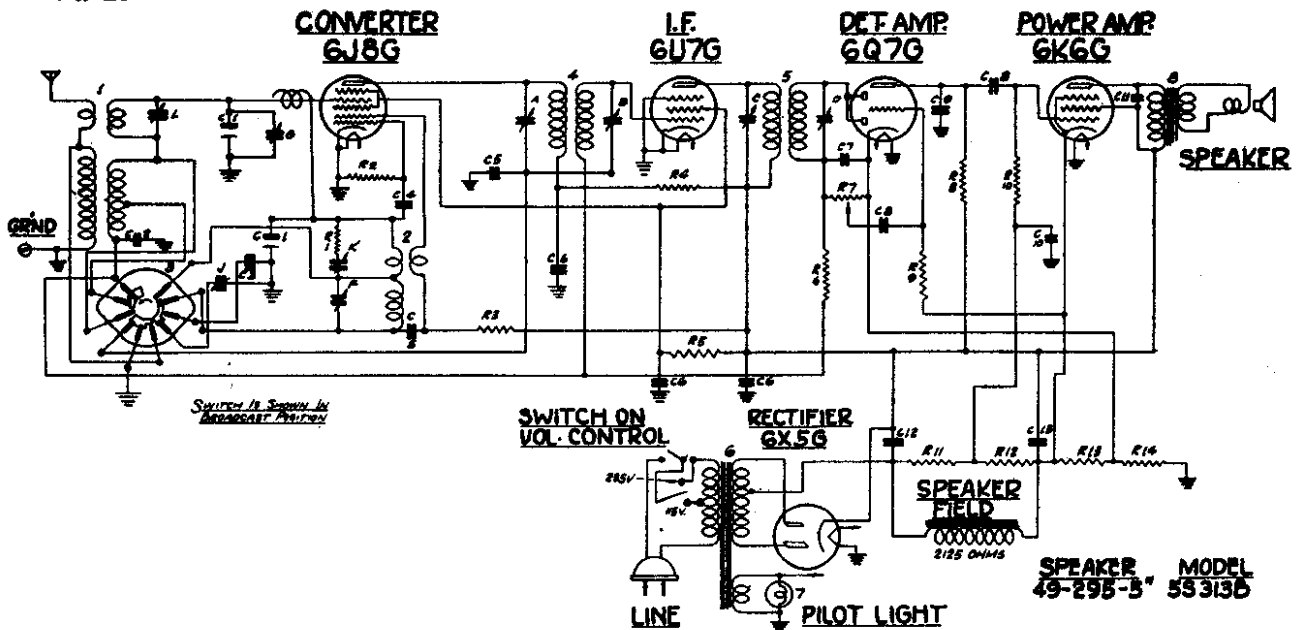
Fig. 3 CHASSIS 5532A FRONT OF CHASSIS

REC. 6X5G  
All Voltage is taken with a 1000 ohm per volt meter from point indicated to ground. Line Volts 115 A.C. Vol. at minimum, no ant. Band sw on manual Broadcast position. NOTE "A" Grid Bias for 6U7G and 6V8G is—2 V. measured at "K" of 6Q7G.

MODEL 55313B  
Chassis 5535BT  
Schematic

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MODELS 5A318, 5A325  
Chassis 5532A  
Schematic

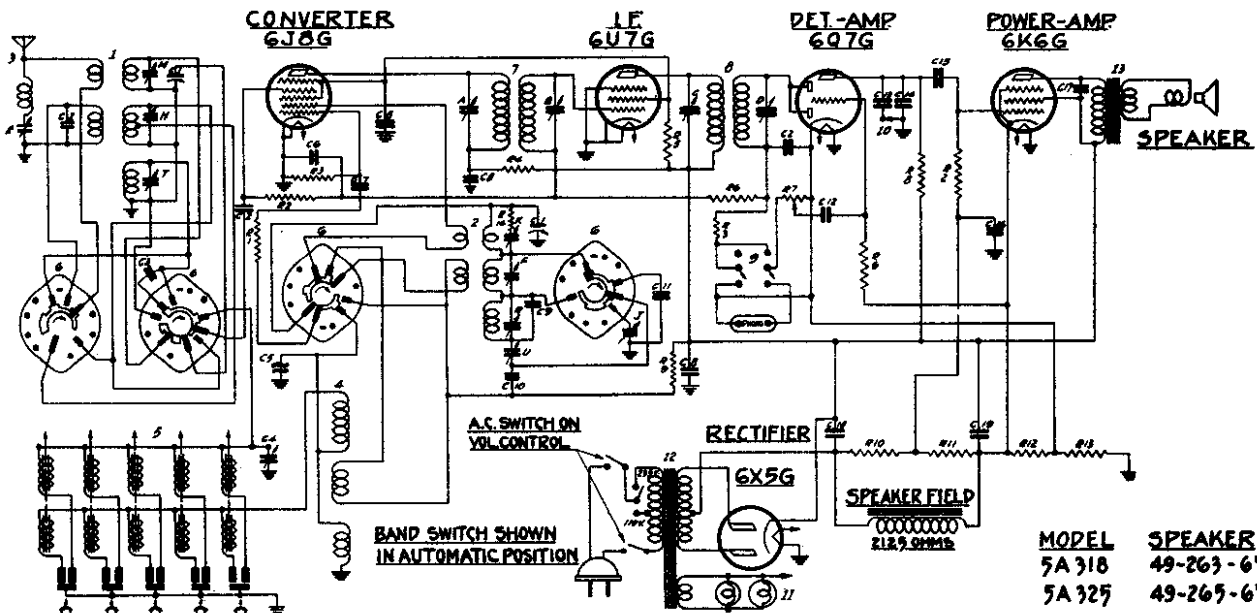


DISC. PART NO.	DESCRIPTION	DISC. PART NO.	DESCRIPTION	DISC. PART NO.	DESCRIPTION		
C-1	22-322 170 OHMS WIRE WOUND	R-3	68-387 47M OHMS	1/2W	3	92-02	BAND SWITCH
C-2	22-318 25 OHMS	R-4	68-314 15M OHMS	2W	4	92-03	1ST I.F. TRANSFORMER
C-3	22-558 15K OHMS	R-5	68-605 1000 OHMS	1/2W	5	92-04	2ND I.F. TRANSFORMER
C-4	22-559 50 OHMS	R-6	68-208 15M OHMS	1/2W	6	92-05	POWER TRANSFORMER
C-5	22-558 100 OHMS	R-7	68-800 2.2 MEGOHMS	1/2W	7	92-06	PILOT LIGHT 25A-25V
C-6	22-519 25 OHMS	R-8	68-1027 VOLUME CONTROL	1/2W	8		SPEAKER TRANS
C-7	22-52 200 OHMS	R-9	68-206 220M OHMS	1/2W	9		
C-8	22-511 50 OHMS	R-10	68-271 1 MEGOHM	1/2W	10		
C-9	22-147 200 OHMS	R-11	68-327 470M OHMS	1/2W	11		
C-10	22-284 200 OHMS	R-12	68-528 390M OHMS	1/2W	12		
C-11	22-513 50 OHMS	R-13	68-280 100M OHMS	1/2W	13		
C-12	22-775 50 OHMS ELECTROLYTIC	R-14	68-563 80 OHMS WIRE WOUND	1/2W	14		
C-13	22-776 50 OHMS ELECTROLYTIC	R-15	68-686 50 OHMS WIRE WOUND	1/2W	15		
R-1	68-528 80 OHMS	1	5-4274 ANTENNA COIL ASSY				
		2	5-4275 OSCILLATOR COIL ASSY				

NOTE  
TRIMMERS P.L.K. MOUNTED  
ON BAKELITE STRIP #22-754

**L.F. FREQUENCY 455 KC.**  
**5 TUBE SUPERHETERODYNE**  
CHASSIS NO 5535 BT  
ZENITH RADIO CORPORATION  
CHICAGO, ILL.

Total power consumption 45 watts.  
Power output 3.5 watts.



DISC. PART NO.	DESCRIPTION	DISC. PART NO.	DESCRIPTION	DISC. PART NO.	DESCRIPTION		
C-1	22-721 170 OHMS ADJUSTABLE	R-1	68-823 80 OHMS	1/2W	1	22-74	CONVERTING COIL
C-2	22-181 25 OHMS	R-2	68-323 470 OHMS	1/2W	2	1-0-72	ANTENNA TRAP UNIT ASSEMBLY
C-3	22-519 25 OHMS	R-3	68-722 67 OHMS	1/2W	3	92-07	BAND SELECTOR SWITCH
C-4	22-518 25 OHMS	R-4	68-723 100 OHMS	1/2W	4	92-08	1ST I.F. TRANSFORMER
C-5	22-701 15K OHMS	R-5	68-724 100 OHMS	1/2W	5	92-09	2ND I.F. TRANSFORMER
C-6	22-702 50 OHMS	R-6	68-725 100 OHMS	1/2W	6	92-10	BAND SWITCH
C-7	22-12 200 OHMS	R-7	68-821 100 OHMS	1/2W	7	92-11	TUNE CONTROL BATTERY
C-8	22-171 50 OHMS	R-8	68-271 1 MEGOHM	1/2W	8	92-12	PILOT LIGHT 25A-25V
C-9	22-172 200 OHMS	R-9	68-726 220 OHMS	1/2W	9	92-13	POWER TRANSFORMER
C-10	22-358 50 OHMS	R-10	68-727 15 OHMS	1/2W	10		SPEAKER TRANSFORMER
C-11	22-563 15K OHMS	R-11	68-121 15 OHMS	1/2W	11		
C-12	22-190 50 OHMS	R-12	68-528 390 OHMS	1/2W	12		
C-13	22-445 50 OHMS	R-13	68-564 100 OHMS	1/2W	13		
C-14	22-147 200 OHMS	R-14	68-581 80 OHMS WIRE WOUND	1/2W	14		
C-15	22-513 50 OHMS	R-15	68-582 100 OHMS WIRE WOUND	1/2W	15		
C-16	22-190 50 OHMS	R-16	68-583 100 OHMS WIRE WOUND	1/2W	16		
C-17	22-720 50 OHMS	R-17	68-584 100 OHMS WIRE WOUND	1/2W	17		
C-18	22-775 50 OHMS ELECTROLYTIC	1	1-0-71 ANTENNA COIL ASSEMBLY				
C-19	22-776 50 OHMS ELECTROLYTIC	2	1-0-72 ANTENNA COIL ASSEMBLY				
		3	1-0-73 OSCILLATOR COIL ASSEMBLY				
		4	1-0-74 WAVE TRAP COIL				

Total power consumption 45 watts.

Power output 3.0 watts.

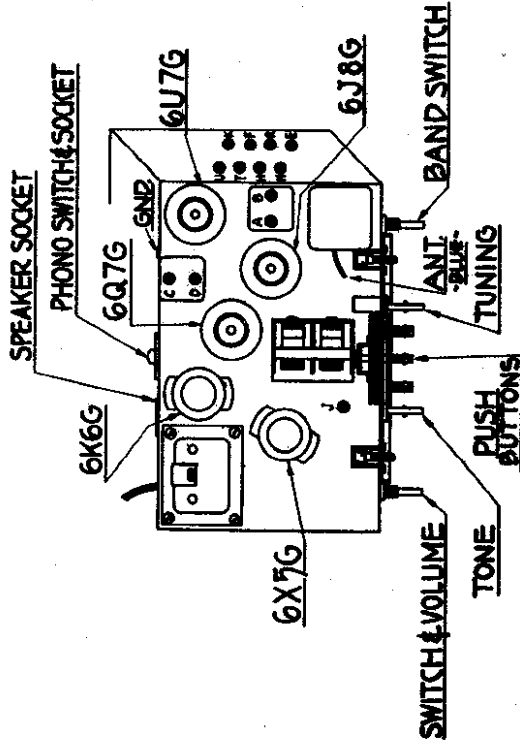
**L.F. FREQUENCY 455 KC.**  
**5 TUBE SUPERHETERODYNE**  
CHASSIS NO 5532-A  
ZENITH RADIO CORPORATION  
CHICAGO, ILLINOIS

MODELS 5A318, 5A325  
 Chassis 5532A  
 MODEL 5S313B  
 Chassis 5535BT  
 Alignment, Socket  
 Trimmers

ZENITH RADIO CORP.

UNDER NO CIRCUMSTANCES SHOULD THIS RECEIVER BE CONNECTED TO DIRECT CURRENT (D. C.).

Chassis 5532A only is designed to operate on 25 to 100 cycle alternating current (A.C.) and may be adjusted for use on either 110 or 235 Volt power lines by means of the switch on top of the power transformer. The proper position of the switch for either voltage is marked on the transformer case.



CHASSIS 5532A

ALIGNMENT PROCEDURE

Operation	Connect Test Oscillator to—	Dummy Antenna	Set Test Osc. to— (Meters)	Wave Band	Set Dial to— (Meters)	Adjust Trimmers	Purpose
1	1st Det. Grid	1/2 Mfd.	660	Med.	500	ABCD	I. F. Alignment
2	Rec. Ant. Lead	200 Mmfd.	660	Med.	500	E	See Note
3	Rec. Ant. Lead	200 Mmfd.	200	Med.	200	F	Set Osc. to Scale
4	Rec. Ant. Lead	200 Mmfd.	200	Med.	200	H	Align. of Antenna
5	Rec. Ant. Lead	200 Mmfd.	500	Med.	500	J	Rock gang & adj. for max. output
6	Rec. Ant. Lead	200 Mmfd.		Med.		FH	Repeat 3 & 4
7	Rec. Ant. Lead	200 Mmfd.	800	Long	800	R	Set Osc. to Scale
8	Rec. Ant. Lead	200 Mmfd.	800	Long	800	T	Align. of Antenna
9	Rec. Ant. Lead	200 Mmfd.	1900	Long	1900	U	Rock gang & adj. for max. output
10	Rec. Ant. Lead	200 Mmfd.		Long		RT	Repeat 7 & 8
11	Rec. Ant. Lead	400 Ohms	17	Short	17	K	Set Osc. to Scale
12	Rec. Ant. Lead	400 Ohms	17	Short	17	M	Align. of Antenna

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 Medium Wave position.

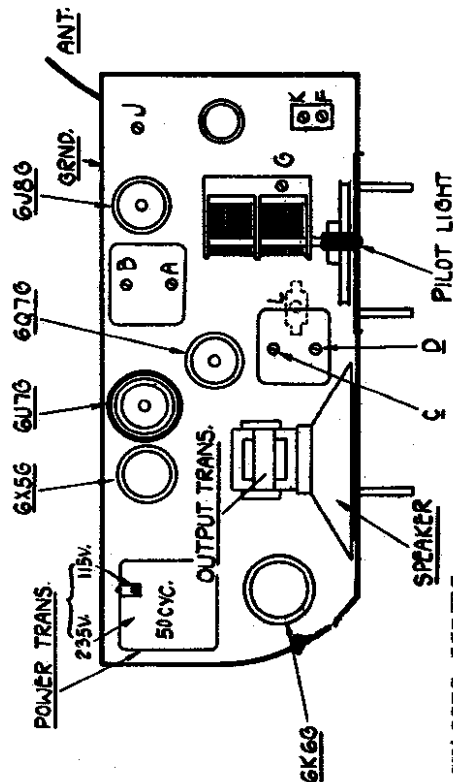
5 Tube A.C. receiver—Chassis No. 5535BT

GENERAL

This receiver is a modern five tube superheterodyne with a dual tuning range covering frequencies between 18.2 to 5.4 megacycles and 540 to 1750 kilocycles. The tuning is explained under "Operation."

UNDER NO CIRCUMSTANCES SHOULD THIS RECEIVER BE CONNECTED TO DIRECT CURRENT (D. C.).

This receiver is designed to operate on 50 to 100 cycle alternating current (A.C.) and may be adjusted for use on either 110 or 235 Volt power lines by means of the switch on top of the power transformer. The proper position of the switch for either voltage is marked on the transformer case.



CHASSIS 5535BT

ALIGNMENT PROCEDURE

Operation	Connect Test Oscillator to	Dummy Antenna	Set Test Osc. to	Band	Set Dial to	Adjust Trimmers	Purpose
1	1st Det. Grid	1/2 Mfd.	455	Br'dc'l	600	ABCD	I. F. Alignment
2	Rec. Ant. Lead	200 Mmfd.	1500	Br'dc'l	1500	F	Set Osc. to Scale
3	Rec. Ant. Lead	200 Mmfd.	1500	Br'dc'l	1500	G	Align. of Ant.
4	Rec. Ant. Lead	200 Mmfd.	600	Br'dc'l	600	J	Rock gang & adj. for max. output
5	Rec. Ant. Lead	200 Mmfd.	1500	Br'dc'l	1500	F & G	Repeat 2 & 3
6	Rec. Ant. Lead	400 ohms	18000	S. W.	18000	K	Set Osc. to Scale
7	Rec. Ant. Lead	400 ohms	18000	S. W.	18000	L	Rock gang & adj. for max. output