

MODELS 6D312, 6D316, 6D317, 6D337
 MODELS 6S301, 6S304, 6S305, 6S306
 6S321, 6S322, 6S340

ZENITH RADIO CORP.

Voltage, Alignment

NOTE

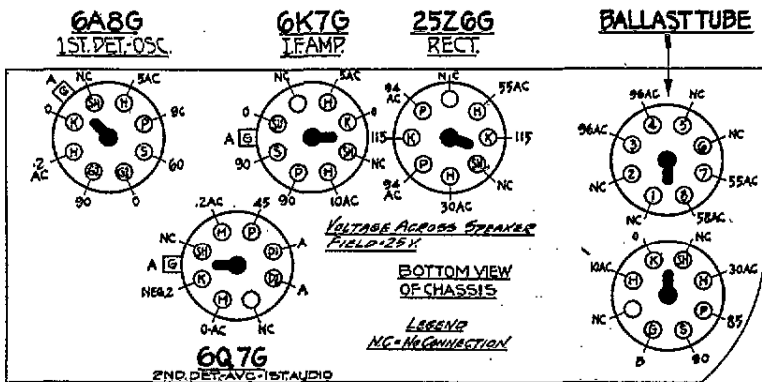
Voltages measured from socket contacts to chassis using a 1000 ohm per volt meter. Antenna disconnected — volume control on full.

Line voltage 115 v. Consumption 55 watts.

Power output 1.6 watts.

(A) Bias for 6A8 — 6K7 and 6Q7 measured at 6Q7 cathode.

(B) Bias for 25L6 measured at point C on 6Q7 socket. Filament voltages measured across heaters of 25L6 and 25Z6 is 22 volts A.C. Other tubes 6 v A.C.



FRONT OF CHASSIS

25L6G BEAM-OUTPUT

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. Lead	200 Mmfd.	1500	"	1500	F	Set Osc. to Scale
3	" " "	200 Mmfd.	1500	"	1500	G	Al'gment of Ant.

NOTE

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

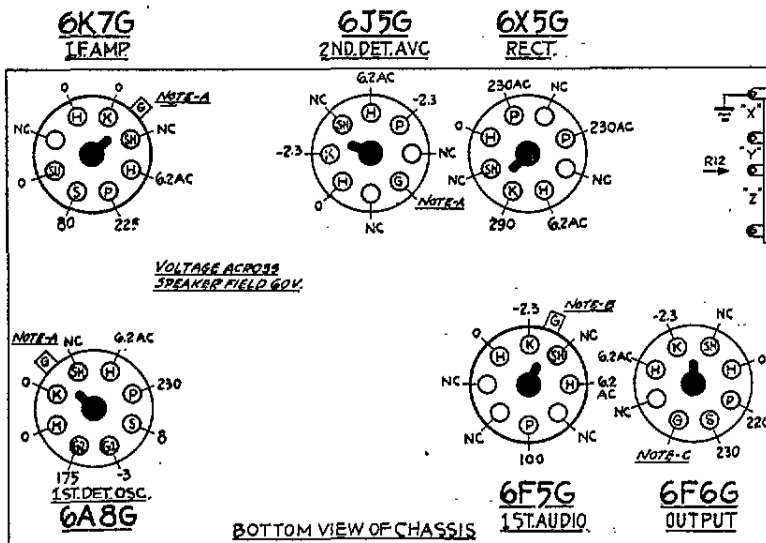
Line voltage 115 v. Consumption 60 watts.

Power Output 4.5 watts.

(A) Bias for 6A8 — 6K7 and 6J5 measured across X which is neg. 2.3 volts.

(B) Bias for 6F5 measured across X and Y which is neg. 3.8 volts.

(C) Bias for 6F6 measured across XY and Z which is neg. 16 volts.



BOTTOM VIEW OF CHASSIS

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	Repeat 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.

Models 6D312, 6D316, 6D317, 6D337

CHASSIS No. 5647

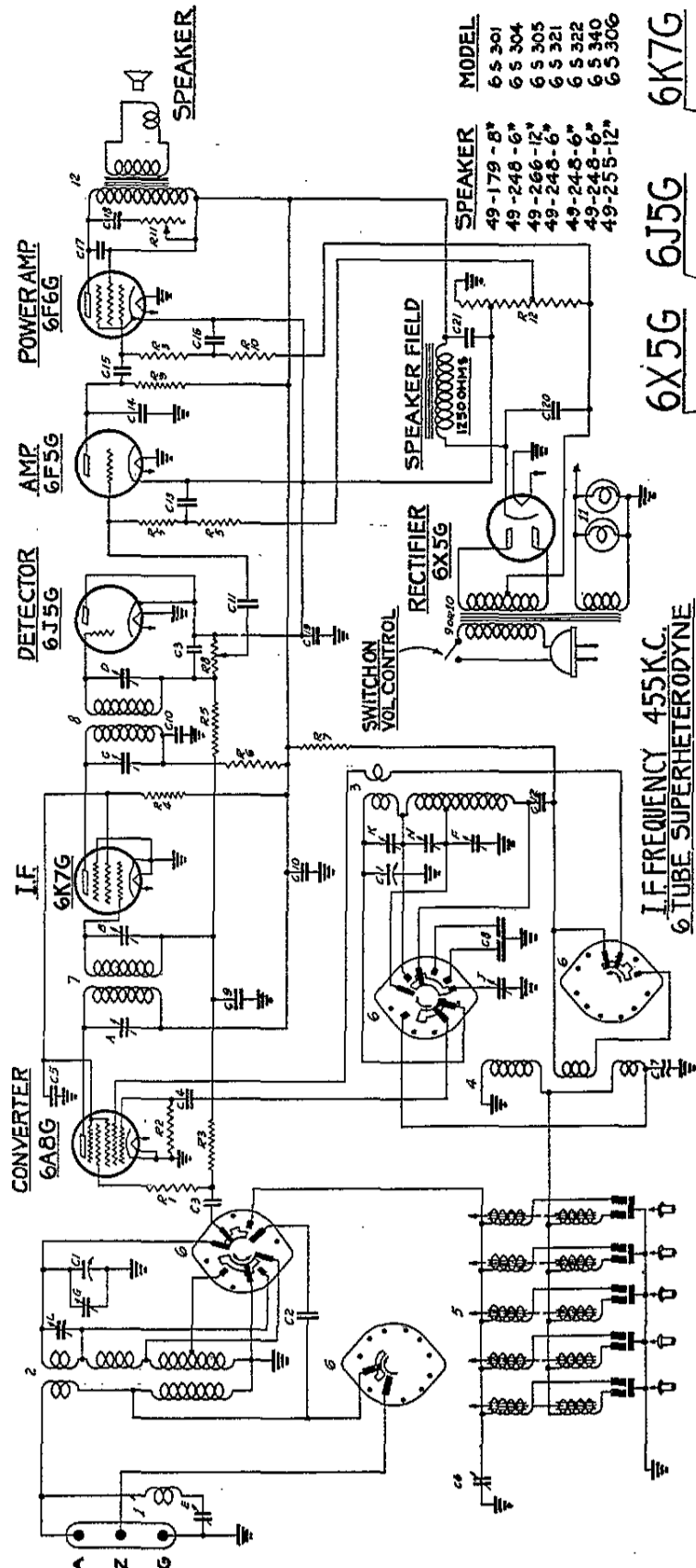
Models 6S301, 6S304, 6S305, 6S306, 6S321, 6S322, 6S340

CHASSIS No. 5651

Schematic, Socket, Trimmers
Parts

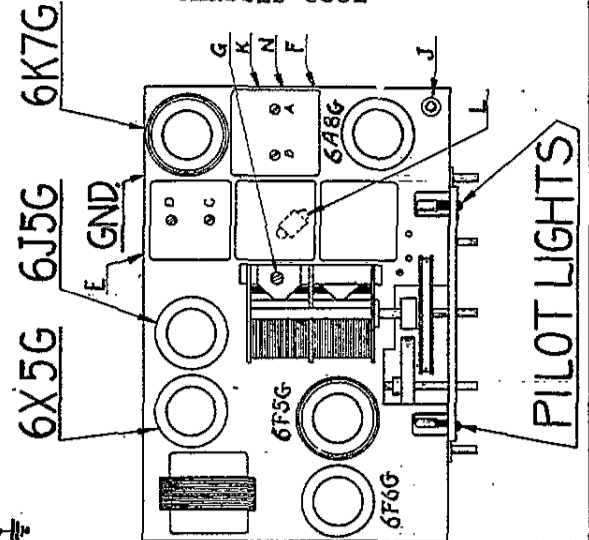
ZENITH RADIO CORP.

MODELS 6S301-6S306 incl.,
6S321, 6S322, 6S340
Chassis 5651



MODEL
6 S 301
6 S 304
6 S 305
6 S 321
6 S 322
6 S 340
6 S 306

SPEAKER
49-179-8"
49-248-6"
49-266-12"
49-248-6"
49-248-6"
49-248-6"
49-255-12"



I.F. FREQUENCY 455 K.C.
6 TUBE SUPERHETERODYNE
CHASSIS NO. 5651-A.C. 3-BAND
ZENITH RADIO CORPORATION
CHICAGO, ILL.

PART NO.	DESCRIPTION	QTY	TRF. NO.	DESCRIPTION	PART NO.	DESCRIPTION
C-1	25-217	1	20-122	500 OHM RES.	1	1" I.F. TRANS. SEC.
C-2	25-223	1	J-6549	500 OHM RES.	2	1" I.F. TRANS. SEC.
C-3	25-182	1	20-196	500 OHM RES.	3	1" I.F. TRANS. SEC.
C-4	25-187	1	J-6549	500 OHM RES.	4	1" I.F. TRANS. SEC.
C-5	25-170	1	20-196	500 OHM RES.	5	1" I.F. TRANS. SEC.
C-6	25-209	1	J-6549	500 OHM RES.	6	1" I.F. TRANS. SEC.
C-7	25-749	1	20-196	500 OHM RES.	7	1" I.F. TRANS. SEC.
C-8	25-208	1	J-6549	500 OHM RES.	8	1" I.F. TRANS. SEC.
C-9	25-208	1	20-196	500 OHM RES.	9	1" I.F. TRANS. SEC.
C-10	25-187	1	J-6549	500 OHM RES.	10	1" I.F. TRANS. SEC.
C-11	25-209	1	20-196	500 OHM RES.	11	1" I.F. TRANS. SEC.
C-12	25-187	1	J-6549	500 OHM RES.	12	1" I.F. TRANS. SEC.
C-13	25-187	1	20-196	500 OHM RES.	13	1" I.F. TRANS. SEC.
C-14	25-218	1	J-6549	500 OHM RES.	14	1" I.F. TRANS. SEC.
C-15	25-218	1	20-196	500 OHM RES.	15	1" I.F. TRANS. SEC.
C-16	25-218	1	J-6549	500 OHM RES.	16	1" I.F. TRANS. SEC.
C-17	25-218	1	20-196	500 OHM RES.	17	1" I.F. TRANS. SEC.
C-18	25-171	1	J-6549	500 OHM RES.	18	1" I.F. TRANS. SEC.
C-19	25-187	1	20-196	500 OHM RES.	19	1" I.F. TRANS. SEC.
C-20	25-218	1	J-6549	500 OHM RES.	20	1" I.F. TRANS. SEC.

FOR TUNER DATA, SEE SPECIAL SECTION