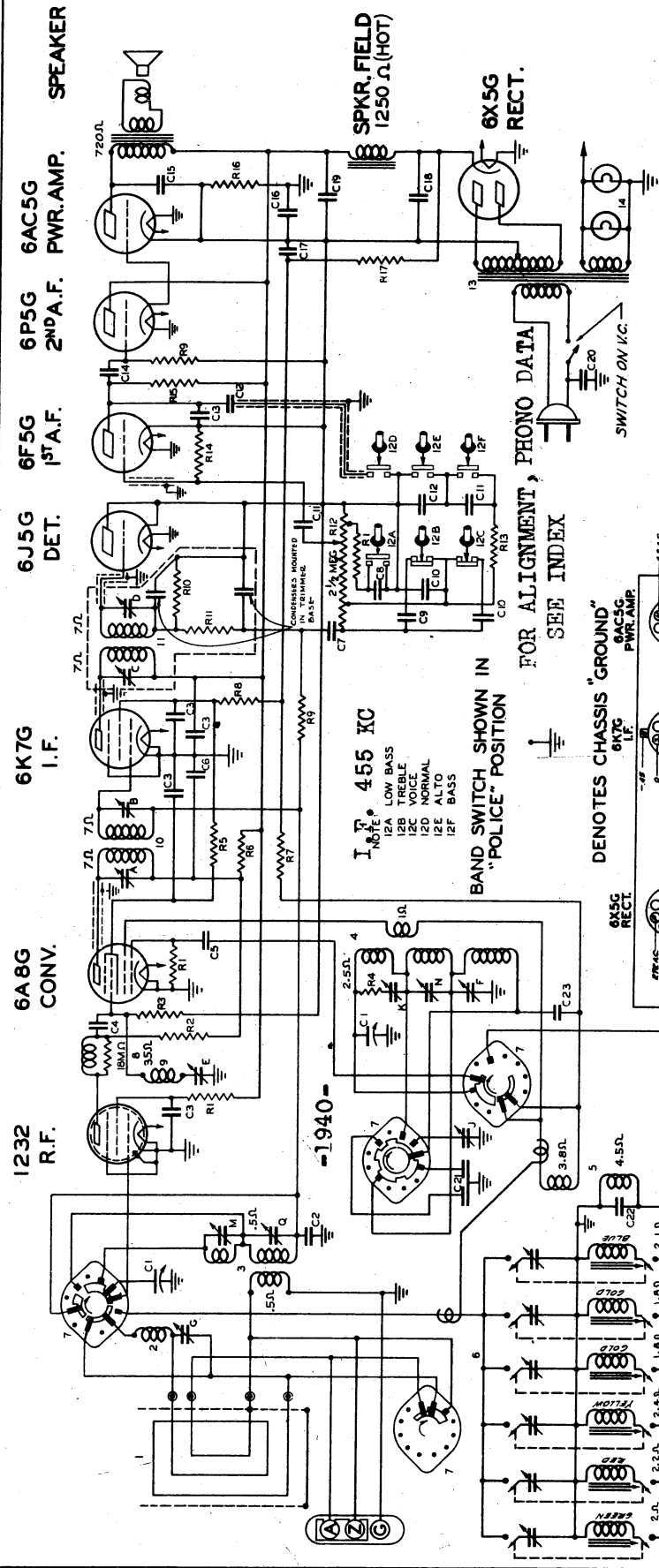


MODELS 8S531, 8S548, 8S563, Ch. 8A02

ZENITH RADIO CORP.

MODELS 8S587, 8S588, Ch. 8A03



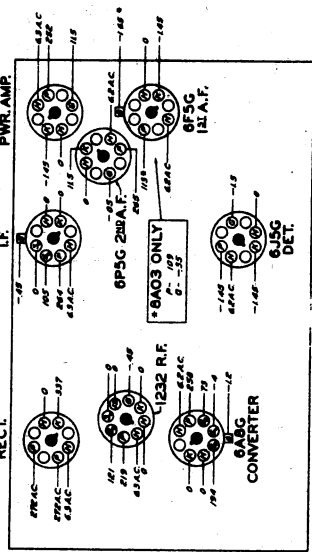
Stage Gains
 Ant. to R.F. grid—4.9× at 1000 Kc.
 R.F. grid to conv. grid—12× at 1000 Kc.
 Conv. grid to I.F. grid—66× at 455 Kc.
 Overall audio—743× at 1 watt 400 cycles.

Chassis 8A03 has phono connections added (see page 31).
 Tuning ranges—540 Kc.—1600 Kc.
 1500 Kc.—5200 Kc.
 5700 Kc.—18300 Kc.
 Power consumption—8A02—65 watts. —8A03—85 watts.

I.F. 455 KC
 12A LOW BASS
 12B V. REBLE
 12C NORMAL
 12E ALTO
 12F BASS

BAND SWITCH SHOWN IN "POLICE" POSITION FOR ALIGNMENT, PHONO DATA SEE INDEX

DENOTES CHASSIS "GROUND"
 6K7C I.F.
 6AC5G P.W.R. AMP.



All voltages measured with a 20,000 ohm per volt meter from chassis to socket contact indicated.
 All voltages are positive D.C. unless marked otherwise.
 Volume control full on.
 Line voltage 117 v.

1	WAVE MAGNET ASSEMBLY.	200 V.
2	LOOP LOADING COIL ASSEM.	400 V.
3	ANTENNA COIL ASSEM.	600 V.
4	OSCILLATOR COIL ASSEM.	400 V.
5	OSC. COUPLER COIL ASSEM.	200 V.
6	BAND SELECTOR SWITCH.	600 V.
7	R.F. CHOKES & RES. ASSEM.	600 V.
8	WAVE TRAP ASSEM.	600 V.
9	I.F. TRANS.	600 V.
10	I.F. TRANS.	600 V.
11	1ST I.F. TRANS.	600 V.
12	2ND I.F. TRANS.	600 V.
13	PILOT LIGHT 6.3 V. .25 A.	200 V.
14	100.36	450 V.
A	1ST I.F. TRANS. PRI.	450 V.
B	1ST I.F. TRANS. SEC.	350 V.
C	2ND I.F. TRANS. PRI.	450 V.
D	2ND I.F. TRANS. SEC.	350 V.
E	WAVE TRAP OSC. (SEE NOTE 1)	600 V.
F	BROADCAST ANTENNA	600 V.
G	BROADCAST PADDER	600 V.
J	SHORT WAVE ANT. (SEE NOTE 2)	600 V.
K	POLICE BAND OSC. (SEE NOTE 2)	600 V.
L	POLICE BAND ANT. (SEE NOTE 2)	600 V.

MODEL	8S 531	8"
	8S 548	8"
	8S 563	10"

C1	22-927	2-GANG VARIABLE	1.8 Ω
C2	22-929	.05 MFD.	1.8 Ω
C3	22-829	.05 MFD.	1.8 Ω
C4	22-127	.25 MFD.	1.8 Ω
C5	22-825	.1 MFD.	1.8 Ω
C6	22-327	.02 MFD.	1.8 Ω
C7	22-259	.005 MFD.	1.8 Ω
C8	22-470	.0005 MFD.	1.8 Ω
C9	22-470	.0005 MFD.	1.8 Ω
C10	22-470	.0005 MFD.	1.8 Ω
C11	22-482	.002 MFD.	1.8 Ω
C12	22-448	.004 MFD.	1.8 Ω
C13	22-448	.0005 MFD.	1.8 Ω
C14	22-405	.005 MFD.	1.8 Ω
C15	22-405	.005 MFD.	1.8 Ω
C16	22-927	.1 MFD.	1.8 Ω
C17	22-1035	.5 MFD. ELECTROLYTIC	1.8 Ω
C18	22-1041	15 MFD. ELECTROLYTIC	1.8 Ω
C19	22-1041	15 MFD. ELECTROLYTIC	1.8 Ω
C20	22-1039	DUAL OSC. PADDER	1.8 Ω
C21	22-968	.002 MFD.	1.8 Ω
C22	22-358	.002 MFD.	1.8 Ω
C23	22-358	.002 MFD.	1.8 Ω
R1	63-593	41M OHM	1.8 Ω
R2	63-587	4700 OHM	1.8 Ω
R3	63-590	15M OHM	1.8 Ω
R4	63-576	68 OHM	1.8 Ω
R5	63-643	18M OHM	1.8 Ω
R6	63-643	18M OHM	1.8 Ω
R7	63-677	100 OHM	1.8 Ω
R8	63-677	33M OHM	1.8 Ω
R9	63-271	1 MEGOHM	1.8 Ω
R10	63-717	250M OHM	1.8 Ω
R11	63-717	250M OHM	1.8 Ω
R12	63-075	VOLUME CONTROL	1.8 Ω
R13	63-594	68M OHM	1.8 Ω
R14	63-976	15 MEGOHM	1.8 Ω
R15	63-296	220M OHM	1.8 Ω
R16	63-100	52 OHMS WIREWIND.	1.8 Ω
R17	63-151	15M OHM	1.8 Ω