

ZENITH RADIO CORP.

CHASSIS 7B01, 7B01R
CHASSIS 8B01
CHASSIS 10B1, 10B2CHASSIS 7B01, 7B01R **ALIGNMENT PROCEDURE**

Operation	Connect Test Oscillator to	Dummy Antenna	Input Signal Frequency	Band	Set Dial At	Adjust Trimmers	Purpose
1	Converter Grid	½ Mfd.	455 Kc.	Broadcast	600 Kc.	A, B, C, D	I. F. Alignment
2	R.F. Grid	½ Mfd.	455 Kc.	Automatic	600 Kc.	E	Adj. for Minimum
3	Ant.-Gnd.	400 Ohms	18 Mc.	S. W.	18 Mc.	K	Set Oscillator to Scale
4	"	"	16 Mc.	S.W.	16 Mc.	M	Alignment of Antenna
5	"	"	4.5 Mc.	Police	4.5 Mc.	N	Rock Gang and Adjust for Max.
6	Single Turn Loop Coupled Loosely to Wave Magnet	—	1600 Kc.	Broadcast	1600 Kc.	F	Set Oscillator to Scale
7		—	1400 Kc.	Broadcast	1400 Kc.	H, G	Align R.F. & Ant.
8	"	—	600 Kc.	Broadcast	600 Kc.	J	Rock Gang and Adjust for Max.

CHASSIS 8B01

ALIGNMENT PROCEDURE

Operation	Conn. Test Osc. to	Dummy Ant.	Input Sig. Freq.	Band	Set Dial At	Trimmers	Purpose
1	Converter Grid	.5 Mfd.	455 Kc.	B.C.	1600 Kc.	A B C D	Align I.F.
2	Ant.-Gnd. with 10 ohm shunt	400 Ohms	455 Kc.	Police	1700 Kc.	E	Adjust for Minimum
3	"	"	18 Mc.	S.W.	18 Mc.	K	Set to Scale
4	"	"	16 Mc.	S.W.	16 Mc.	M	Align ant.
5	"	"	4.5 Mc.	Police	4.5 Mc.	N	Set to Scale
6	"	"	4.5 Mc.	Police	4.5 Mc.	Q	Align ant.
7	Single Turn Loop Loosely Coupled to Wave Magnet	—	1500 Kc.	B.C.	1500 Kc.	F	Set to Scale
8		—	1400 Kc.	B.C.	1400 Kc.	G-H	Align R.F. Align ant.
9	"	—	600 Kc.	B.C.	600 Kc.	J	Rock Gang and Adj. Padder
10	Rpt. 7 & 8						

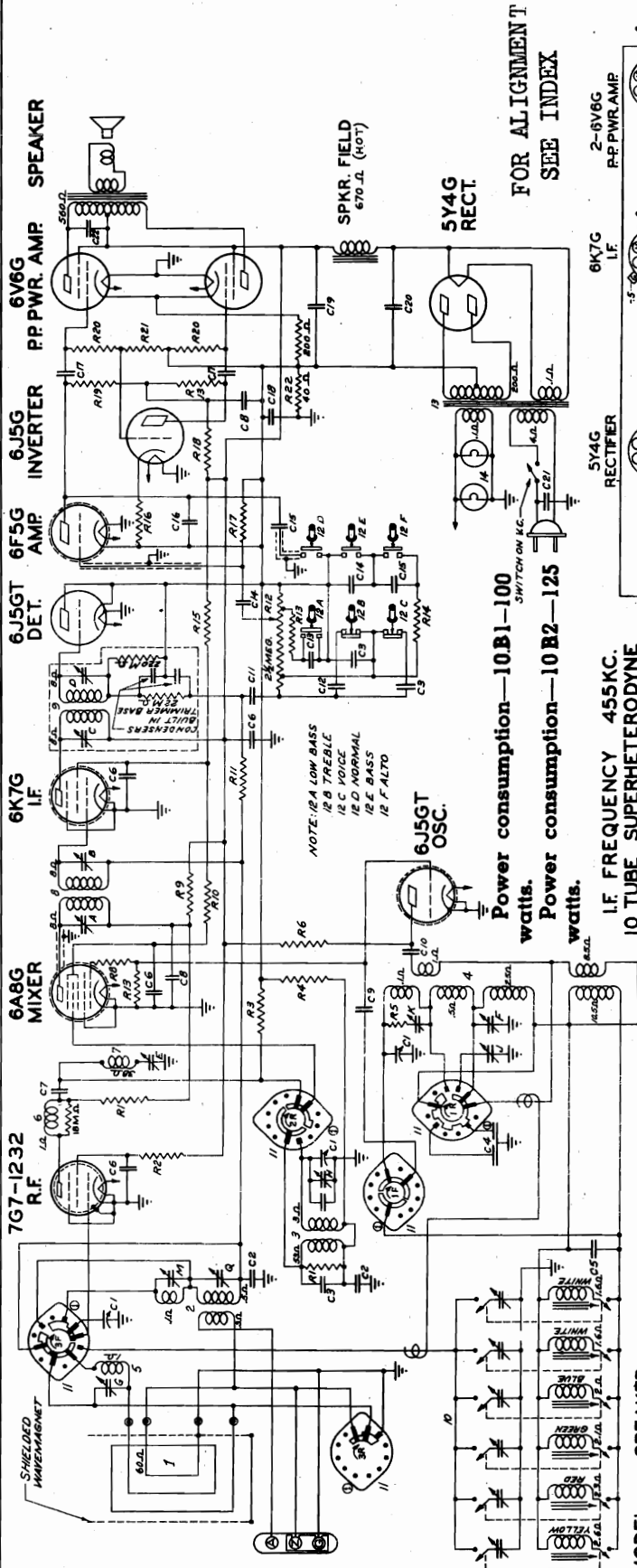
CHASSIS 10B1, 10B2

ALIGNMENT PROCEDURE

Operation	Conn. Test Osc. to	Dummy Ant.	Input Sig. Freq.	Set Dial At	Band	Trimmers	Purpose
1	Converter Grid	.5 Mfd.	455 Kc.	B.C.	600 Kc.	A B C D	Align I.F.
2	Ant.-Gnd. with 10 ohm shunt	400 ohms	455 Kc.	POL.	1700 Kc.	E	Adjust for Minimum
3	"	"	18 Mc.	S.W.	18 Mc.	K	Set to Scale
4	"	"	16 Mc.	S.W.	16 Mc.	M	Align ant.
5	"	"	4.5 Mc.	POL.	4.5 Mc.		Set to Scale
6	"	"	4.5 Mc.	POL.	4.5 Mc.	Q	Align ant.
7	Single Turn Loop Loosely Coupled to Wave Magnet	—	1500 Kc.	B.C.	1500 Kc.	F	Set to Scale
8		—	1400 Kc.	B.C.	1400 Kc.	G—H	Align R.F. Det.
9	"	—	600 Kc.	B.C.	600 Kc.	J	Rock Gang and Adj. Padder
10	"	—	1500 Kc.	B.C.	1500 Kc.	F—G—H	Rpt. 7 & 8

MODELS 10S669, Ch. 10B1;
10S690, Ch. 10B2

ZENITH RADIO CORP.



FOR ALIGNMENT
SEE INDEX

Power consumption—10B1-100
watts.
Power consumption—10B2-125
watts.
I.F. FREQUENCY 455KC.
10 TUBE SUPERHETERODYNE
CHASSIS N^o 10B1 3 BAND A.C.

MODEL 10 S 669
SPEAKER 49-416 14"

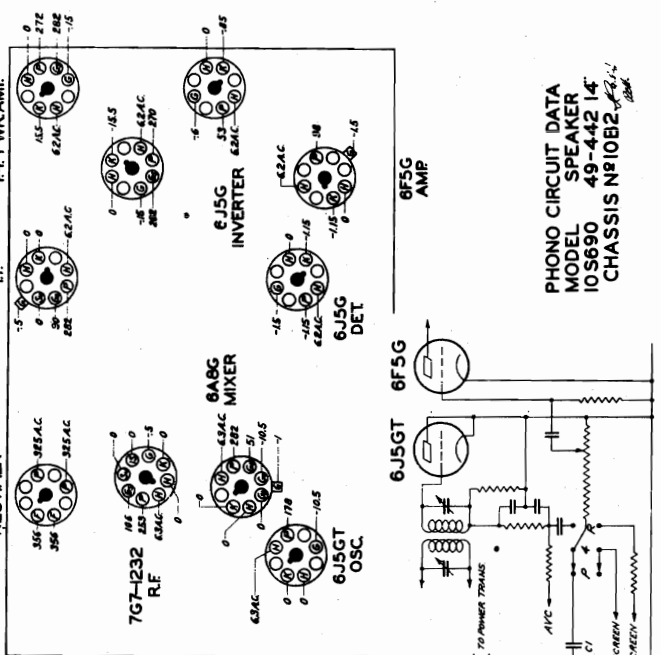
Tuning ranges
540 Kc.—1600 Kc.
1500 Kc.—5200 Kc.
5700 Kc.—18300 Kc.

BAND SWITCH SHOWN
IN "POLICE" POSITION

QMS. PART NO.	DESCRIPTION	QMS. PART NO.	DESCRIPTION	QMS. PART NO.	DESCRIPTION
C1	12-1222 THREE GANG VARIABLE	R1	63-587 4700 OHM	R1	63-648 47 M OHM
C2	62-899 .05 MFD.	R2	63-590 10 M OHM	R2	63-1048 750 SECTION CANNON
C3	62-900 .05 MFD.	R3	63-590 10 M OHM		
C4	62-901 .05 MFD.	R4	63-590 10 M OHM		
C5	62-868 COMPENSATING COND	R5	63-576 75 M OHM		
C6	62-869 .05 MFD.	R6	63-576 75 M OHM		
C7	62-447 .0005 MFD.	R7	63-571 75 M OHM		
C8	62-448 .002 MFD.	R8	63-581 470 OHM		
C9	62-127 .05 MFD.	R9	63-605 1000 OHM		
C10	62-128 .00025 MFD.	R10	63-571 75 M OHM		
C11	62-327 .02 MFD.	R11	63-571 75 M OHM		
C12	62-229 .005 MFD.	R12	63-1075 VOLUME CONTROL		
C13	62-229 .005 MFD.	R13	63-571 75 M OHM		
C14	62-492 .002 MFD.	R14	63-571 75 M OHM		
C15	62-448 .004 MFD.	R15	63-571 75 M OHM		
C16	62-448 .004 MFD.	R16	63-571 75 M OHM		
C17	62-172 .05 MFD.	R17	63-576 75 M OHM		
C18	62-172 .05 MFD.	R18	63-576 75 M OHM		
C19	62-172 .05 MFD.	R19	63-576 75 M OHM		
C20	62-108 10 MFD. ELECTROLYTIC	R20	63-576 75 M OHM		
C21	62-108 10 MFD. ELECTROLYTIC	R21	63-576 75 M OHM		
C22	62-559 10 MFD.	R22	63-571 75 M OHM		
C23	62-559 10 MFD.	R23	63-571 75 M OHM		
C24	62-559 10 MFD.	R24	63-571 75 M OHM		

Ant. to R.F. grid—3.7 X at 1000 Kc.
R.F. grid to conv. grid—9.7 X at 1000 Kc.
Conv. grid to I.F. grid—63 X at 455 Kc.
Overall audio—1250 X at 1 watt 400 cycles.

NOTE
Chassis 10B2 has phono connections added



PHONO CIRCUIT DATA
MODEL 49-442 14"
10S690
CHASSIS N^o 10B2