

## ZENITH RADIO CORP.

MODEL 4K640  
 MODEL 5R680X  
 MODEL 5G603  
 MODELS 6G638, 6G660

## Model 4K640 ALIGNMENT PROCEDURE Chassis No. 4B05

Operation	Conn. Test Osc. to	Dummy Ant.	Input Sig. Freq.	Band	Set Dial At	Trimmers	Purpose
1	Converter Grid	.5 Mfd.	455 Kc.	Broadcast	600 Kc.	A B C D	Align I. F.
2	Ant.—Gnd.	400 Ohms	18 Mc.	Short Wave	18 Mc.	K	Set Osc. to Scale
3	Ant.—Gnd.	200 Mmf.	1600 Kc.	Broadcast	1600 Kc.	F	Set Osc. to Scale
4	Ant.—Gnd.	200 Mmf.	1400 Kc.	Broadcast	1400 Kc.	G	Align Ant.
5	Ant.—Gnd.	200 Mmf.	600 Kc.	Broadcast	600 Kc.	J	Rock Gang & Adj. to Merc.
6	Ant.—Gnd.	400 Ohms	18 Mc.	Short Wave	18 Mc.	M	Rock Gang

## Model 5G603

Operation	Connect Test Oscillator to	Dummy Antenna	Set Test Oscillator to	Band	Set Dial At	Adjust Trimmers	Purpose
1	Converter Grid	.5 mf.	455	—	600	A B C D	I. F. Alignment
2	Single Turn Loop Coupled Loosely to Wave Magnet	—	1400	—	1400	F	Set Osc. to Scale
3		—	1400	—	1400	G	Alignment of Antenna

Gnd. of test osc. connected to No. 8 pin of ILA6 socket.

## Model 5R680X

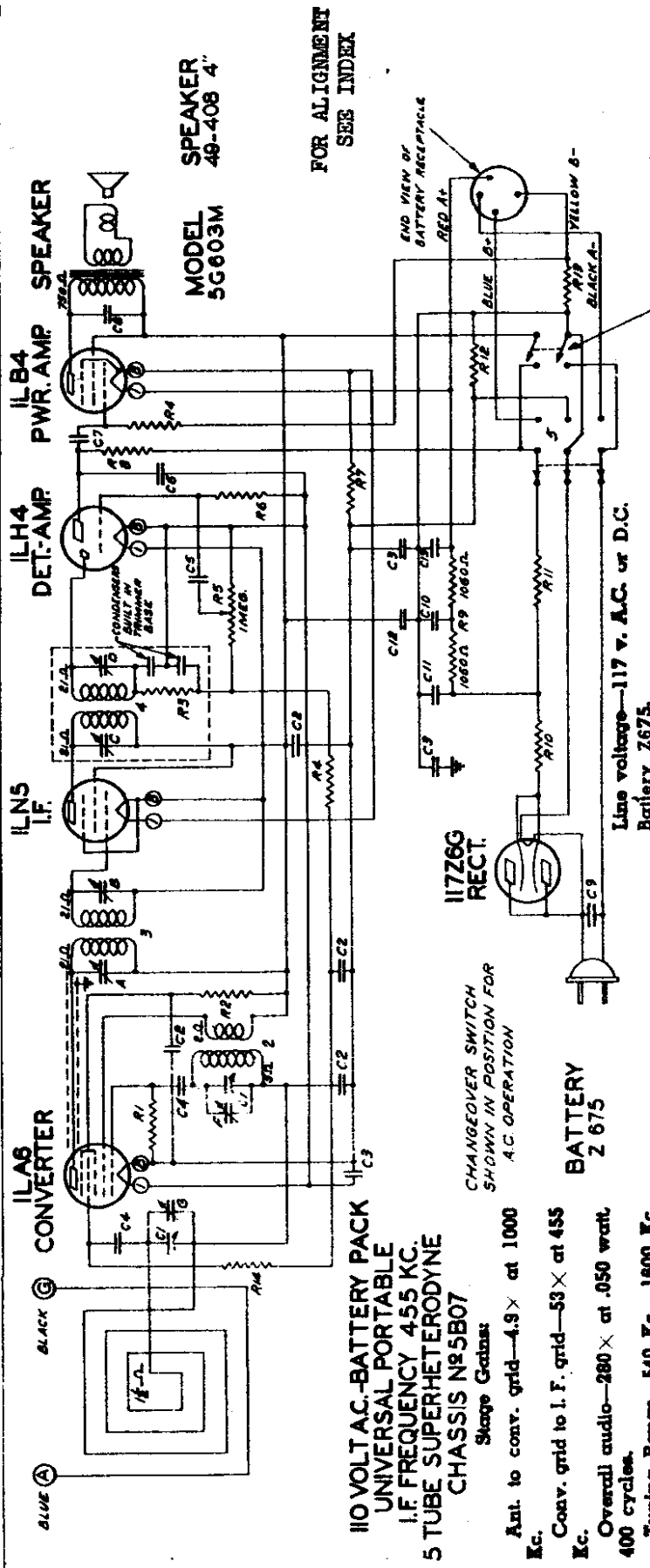
Operation	Connect Oscillator to	Dummy Antenna	Input Signal Frequency	Band	Set Dial At	Trimmers	Purpose
1	Converter Grid	.5 mfd.	455 Kc.	BC	1600 Kc.	A, B, C, D	Align I.F.
2	Ant. & Grnd with 10 ohm shunt	.5 mfd.	1600 Kc.	"	1600 Kc.	F	Set to Scale
3	"	.5 mfd.	1400 Kc.	"	1400 Kc.	H, G	Align Ant.

## Models 6G638—6G660 Chassis No. 6B09

Operation	Conn. Test Osc. to	Dummy Ant.	Input Sig. Freq.	Band	Set Dial At	Trimmers	Purpose
1	Converter Grid	.1 Mfd.	455 Kc.	B.C.	600 Kc.	A B C D	Align I.F.
2	Ant. & Grnd with 10 ohm shunt	400 Ohm	18 Mc.	S.W.	18 Mc.	K	Set to Scale
3	"	"	16 Mc.	S.W.	16 Mc.	M	Align Ant.
4	"	"	5 Mc.	Police	5 Mc.	N	Set to Scale
5	"	"	"	"	"	Q	Align Ant.
6	"	200 mmf	1800 Kc.	B.C.	1800 Kc.	F	Set to Scale
7	"	"	1700 Kc.	"	1700 Kc.	G—H	Align R.F. & det.
8	"	"	600 Kc.	"	600 Kc.	J	Rock gang & Adj. padder
9	"	"	1800 Kc.	"	1800 Kc.	F—G—H	Repeat 6 & 7

John F. Rider

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PART NO.	DESCRIPTION	QTY	PART NO.	DESCRIPTION	QTY	PART NO.	DESCRIPTION	QTY	PART NO.	DESCRIPTION	QTY
C1	20-1027 20 MFD ELECTROLYTIC 25 V	1	R1	68-772 100 M OHM	1	11726G	RECT.	1	11726G	RECT.	1
C2	50-1026 50 MFD ELECTROLYTIC 50 V	1	R2	43-646 33M OHM	1	11726G	RECT.	1	11726G	RECT.	1
C3	50-1027 50 MFD ELECTROLYTIC 50 V	1	R3	68-772 100 M OHM	1	11726G	RECT.	1	11726G	RECT.	1
C4	50-1027 50 MFD ELECTROLYTIC 50 V	1	R4	68-772 100 M OHM	1	11726G	RECT.	1	11726G	RECT.	1
C5	22-470 0.005 MFD	1	R5	63-100 2.2 MEG OHM	1	11726G	RECT.	1	11726G	RECT.	1
C6	22-470 0.005 MFD	1	R6	63-126 15 MEG OHM	1	11726G	RECT.	1	11726G	RECT.	1
C7	22-243 0.1 MFD	1	R7	63-100 2.2 MEG OHM	1	11726G	RECT.	1	11726G	RECT.	1
C8	22-356 0.5 MFD	1	R8	63-100 2.2 MEG OHM	1	11726G	RECT.	1	11726G	RECT.	1
C9	22-356 0.5 MFD	1	R9	63-100 2.2 MEG OHM	1	11726G	RECT.	1	11726G	RECT.	1
C10	22-1026 50 MFD ELECTROLYTIC 50 V	1	R10	63-100 2.2 MEG OHM	1	11726G	RECT.	1	11726G	RECT.	1
C11	22-1026 50 MFD ELECTROLYTIC 50 V	1	R11	63-100 2.2 MEG OHM	1	11726G	RECT.	1	11726G	RECT.	1
C12	22-1027 20 MFD ELECTROLYTIC 25 V	1	R12	63-100 2.2 MEG OHM	1	11726G	RECT.	1	11726G	RECT.	1
C13	22-1027 20 MFD ELECTROLYTIC 25 V	1	R13	63-100 2.2 MEG OHM	1	11726G	RECT.	1	11726G	RECT.	1
			R14	63-296 250 M OHM	1	11726G	RECT.	1	11726G	RECT.	1

