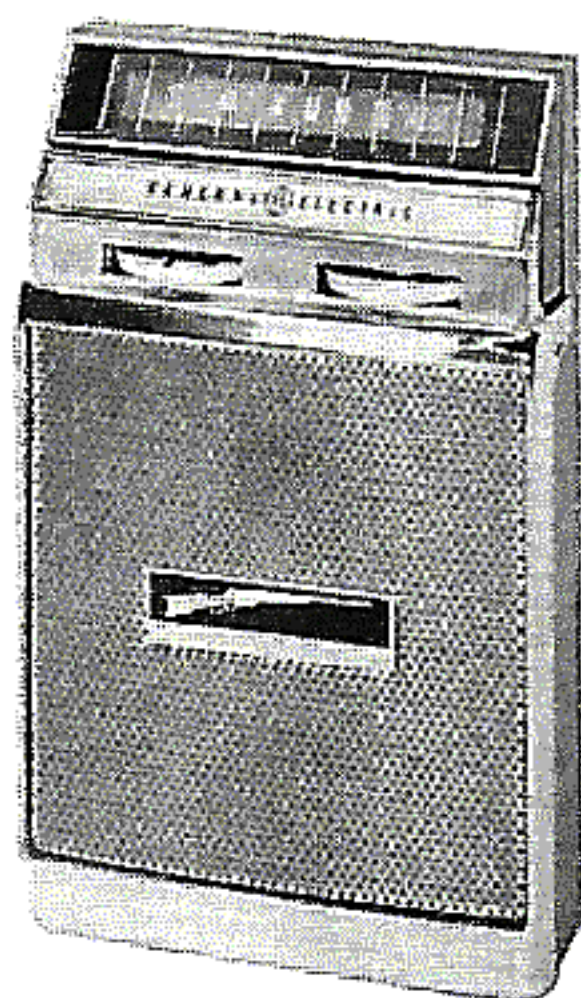




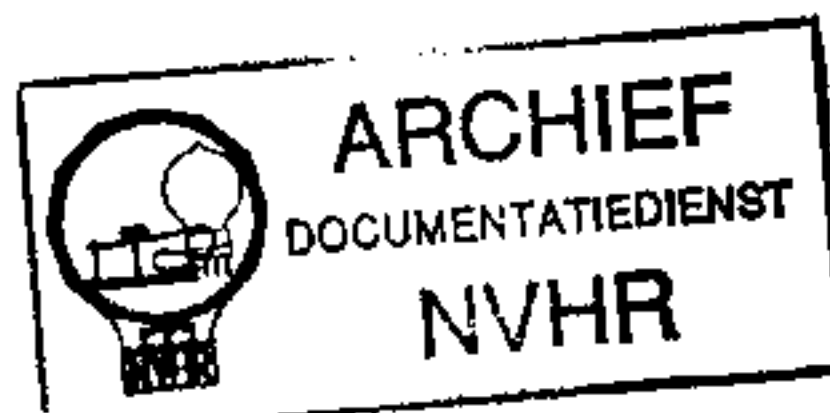
PHOTOFACT[®] with

CIRCUITRACE[®]



TRADE NAME: General Electric
 Models P860A, P860B, P860D
SUPPLIER: General Electric Co., Product Service
 Radio Receiver Dept., 1001 Broad St.,
 Utica, N. Y.
TYPE SET: 8 Transistor AM Receiver
POWER SUPPLY: 6 Volts DC
RATING: 18MA@6VDC (No Signal, Min. Volume)
 45MA@6 VDC (Signal, Normal Volume)
TUNING RANGE: BROADCAST 550 - 1620KC

Ned. Ver. v. Historie v/c



ALIGNMENT INSTRUCTIONS

Check for specified source voltage.

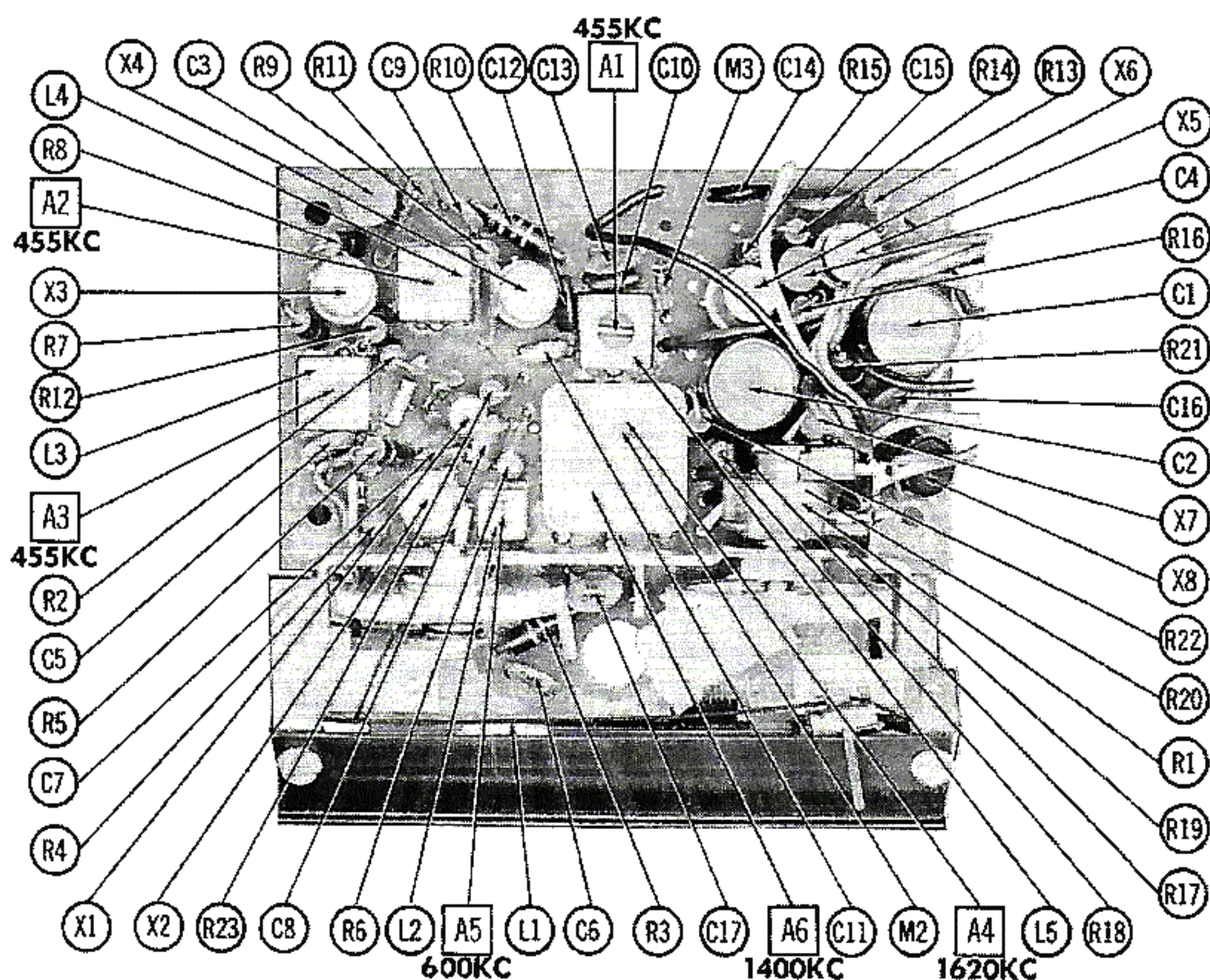
Fashion loop of several turns of wire and connect generator across loop.

Adjust output of generator to radiate only enough signal into receiver to obtain a suitable indication.

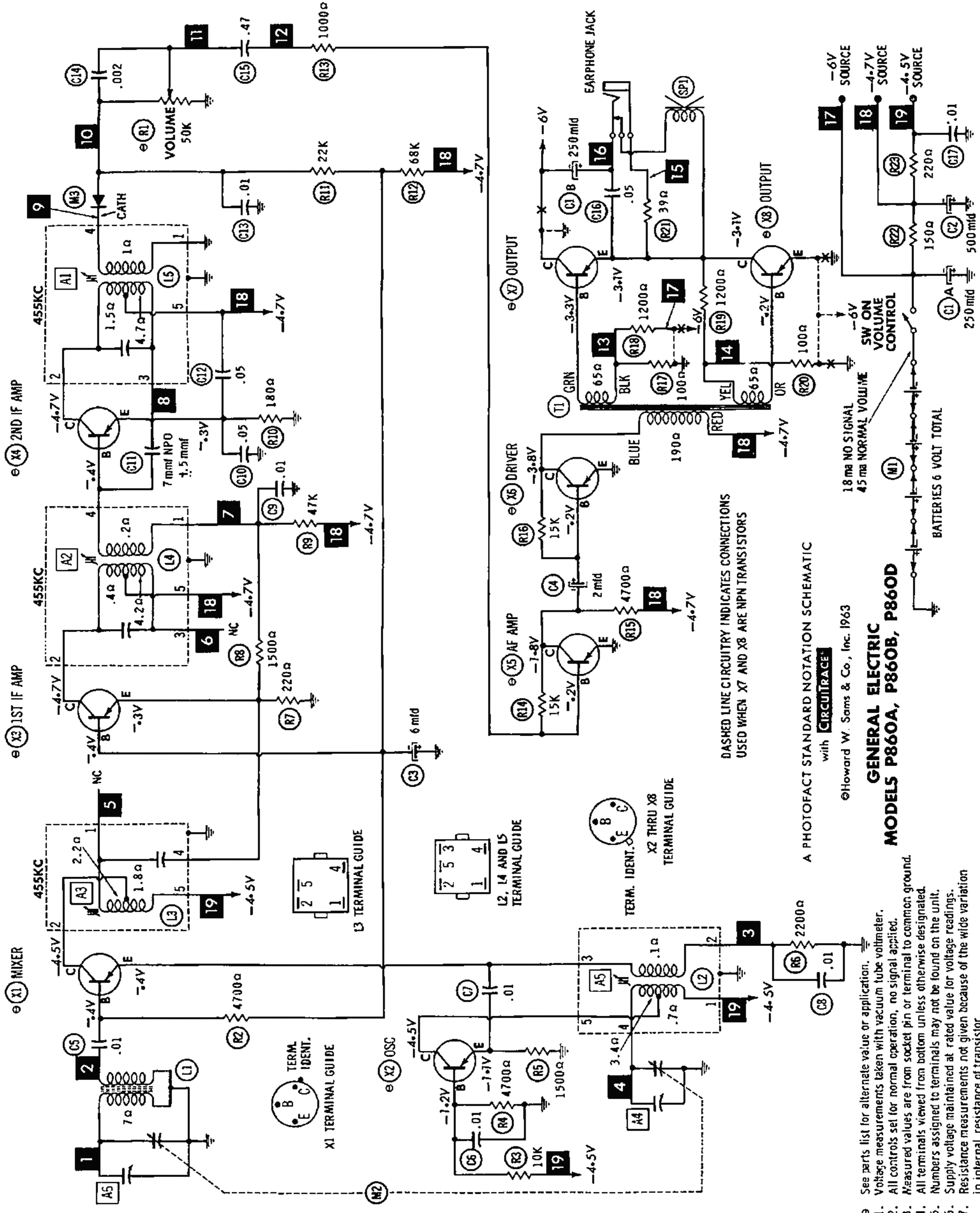
Suggested Alignment Tools:

A1 thru A6..... GENERAL CEMENT #5000, 5066, 8290

	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	455KC (400v Mod.)	Tuning gang fully open.	Output Meter across voice coll.	A1, A2, A3	Adjust for maximum. Repeat as required.
2.	1620KC	"	"	A4	Adjust for maximum.
3.	600KC	Tune to Signal.	"	A5	Rock tuning gang and adjust for maximum. Repeat steps 2 and 3.
4.	1400KC	"	"	A6	Adjust for maximum.



HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana



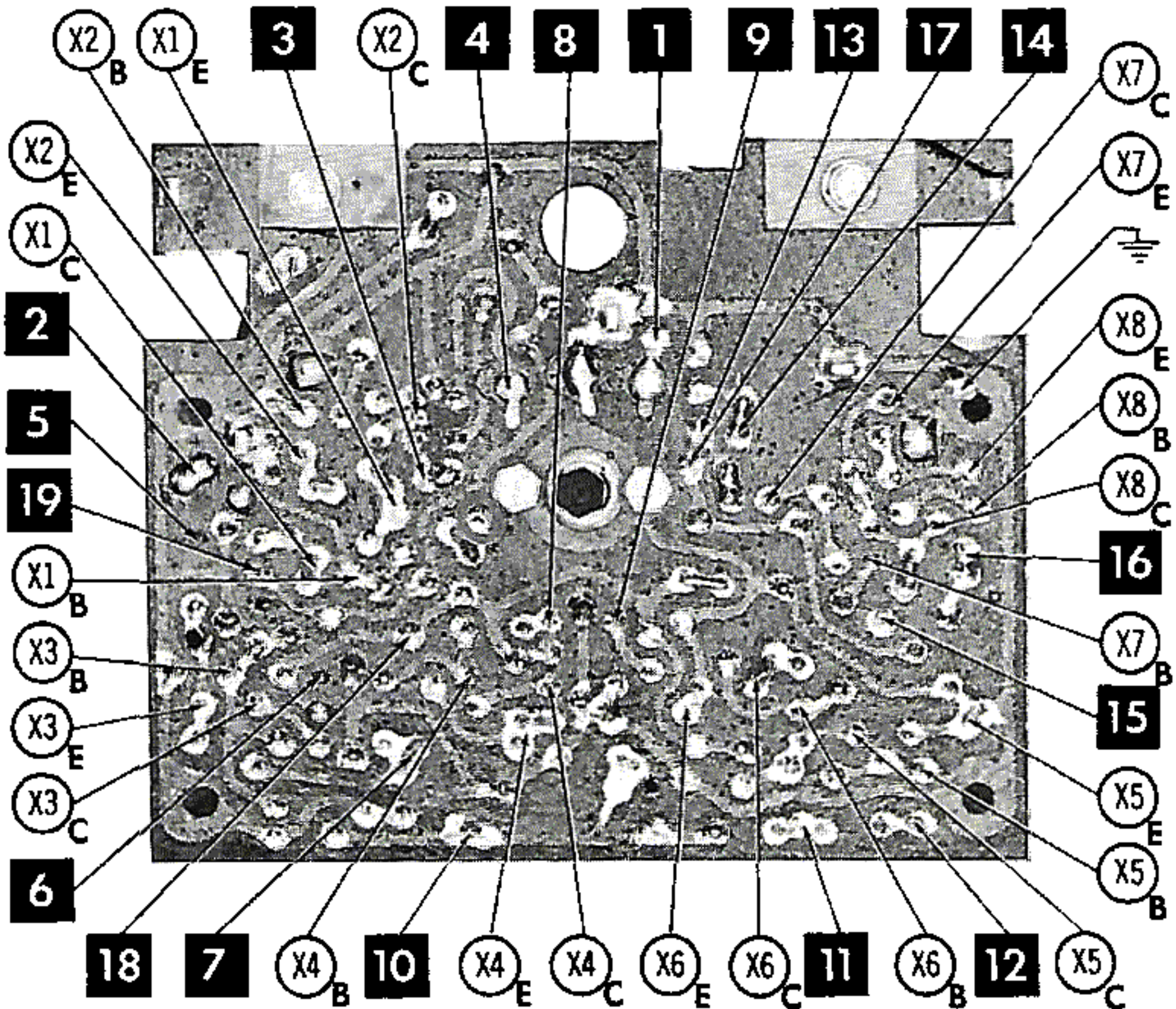
DASHED LINE CIRCUITRY INDICATES CONNECTIONS USED WHEN X7 AND X8 ARE NPN TRANSISTORS

A PHOTOFACT STANDARD NOTATION SCHEMATIC with **CIRCUITRACE**

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GENERAL ELECTRIC MODELS P860A, P860B, P860D

- e See parts list for alternate value or application.
- 1. Voltage measurements taken with vacuum tube voltmeter.
- 2. All controls set for normal operation, no signal applied.
- 3. Measured values are from socket pin or terminal to common ground.
- 4. All terminals viewed from bottom unless otherwise designated.
- 5. Numbers assigned to terminals may not be found on the unit.
- 6. Supply voltage maintained at rated value for voltage readings.
- 7. Resistance measurements not given because of the wide variation in internal resistance of transistor.



E-EMITTER B-BASE C-COLLECTOR

TRANSISTORS

ITEM No.	G. E. PART No.	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	RS1554	Mixer	DS-25	GE-1		PNP
X2	RS5102	Oscillator	DS-25	GE-1		PNP Alternate #RS-3277
X3	RS5202	1st IF Amplifier	DS-25	GE-1		PNP Alternate #RS-3278
X4	RS5302	2nd IF Amplifier	DS-25	GE-1		PNP Alternate #RS-3279
X5	RS5403	AF Amplifier	DS-26	GE-2		PNP Alternate #RS-3286
X6	RS5503	Driver	DS-26	GE-2		PNP Alternate #RS-2675
X7	RS5709	Output	DS-26	GE-2		PNP Alternate #RS-3301 (PNP), RS-3318 (NPN)
X8	RS5709	Output	DS-26	GE-2		PNP Alternate #RS-3301 (PNP), RS-3318 (NPN)

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		G. E. PART No.	REPLACEMENT DATA					
	CAP.	VOLT.		AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	250	6	RS-3962						
B	250	6							
C2	500	6	RS-3961						
C3	6	12	RS-3958	BCD12006	ECPB406	MT1-5	MLV5-12	PET1535	VL-1125
C4	2	12	RS-3960	BCD12002	ECPB402	MT1-1	MLV2-12	PET1930	VL-1121

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C5	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C6	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C7	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C8	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C9	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C10	.05		TTD-05	CK-503	H05S5		TA-150	TG-S50
C11	7 NPO $\pm .5$ mmf		NPO-DI 6.8	DTZ-6R8	C10V7C	CCTO-6R8	CNO-568	10TCC-V68
C12	.05		TTD-05	CK-503	H05S5		TA-150	TG-S50
C13	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C14	.002			DM-202				
C15	.47mfd 3V			UK10-404	HCC10474Z			HY-330
C16	.05		TTD-05	CK-503	H05S5		TA-150	TG-S50
C17	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			G. E. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume & Switch	50K	RS-4432 ① (868B291-1)				

① Models P860B, P860D. Part #RS-3963 used in Model P860A.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		G. E. PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	Loopstick	RS-3955					
L2	Osc.	RS-3956					
L3	1st IF	RS-2977					
L4	2nd IF	RS-3567					
L5	3rd IF	RS-2979					

DESCRIPTION

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
			G. E. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SEC.1						
T1	2	1	RS-3957					
		SEC. 2						
		1						

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		G. E. PART No.	QUAM PART No.	
SP1	3 1/2" PM 12Ω	RB-1299		

BATTERIES

ITEM No.	VOLTAGE	G. E. PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	6		930 (AL-9 or Hg-9)	1015 (E91 or E9)	M-15R (MN1500 or ZM-9)	4 Required

MISCELLANEOUS

ITEM No.	PART NAME	G. E. PART No.	NOTES
M2 M3	Tuning Cap. Detector (1N60)	RS-2972 RS-1811	

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob - Tuning, Model P860D	RS-4532	Cabinet - Front, Model P860D	RB-1401
Knob - Volume, Model P860D	RS-4531	Cabinet, - Back, Model P860D	RB-1402
Knob - Volume, Model P860A	RS-3848	Cabinet - Back, Model P860A	RB-1298
Knob - Tuning, Model P860A	RS-3849	Cabinet - Front, Model P860A	RB-1297

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No.	8530 (Solid 22AWG)	Available
		8524 (Stranded 22AWG)	in
		8570 (Stranded 26AWG)	12 Colors

