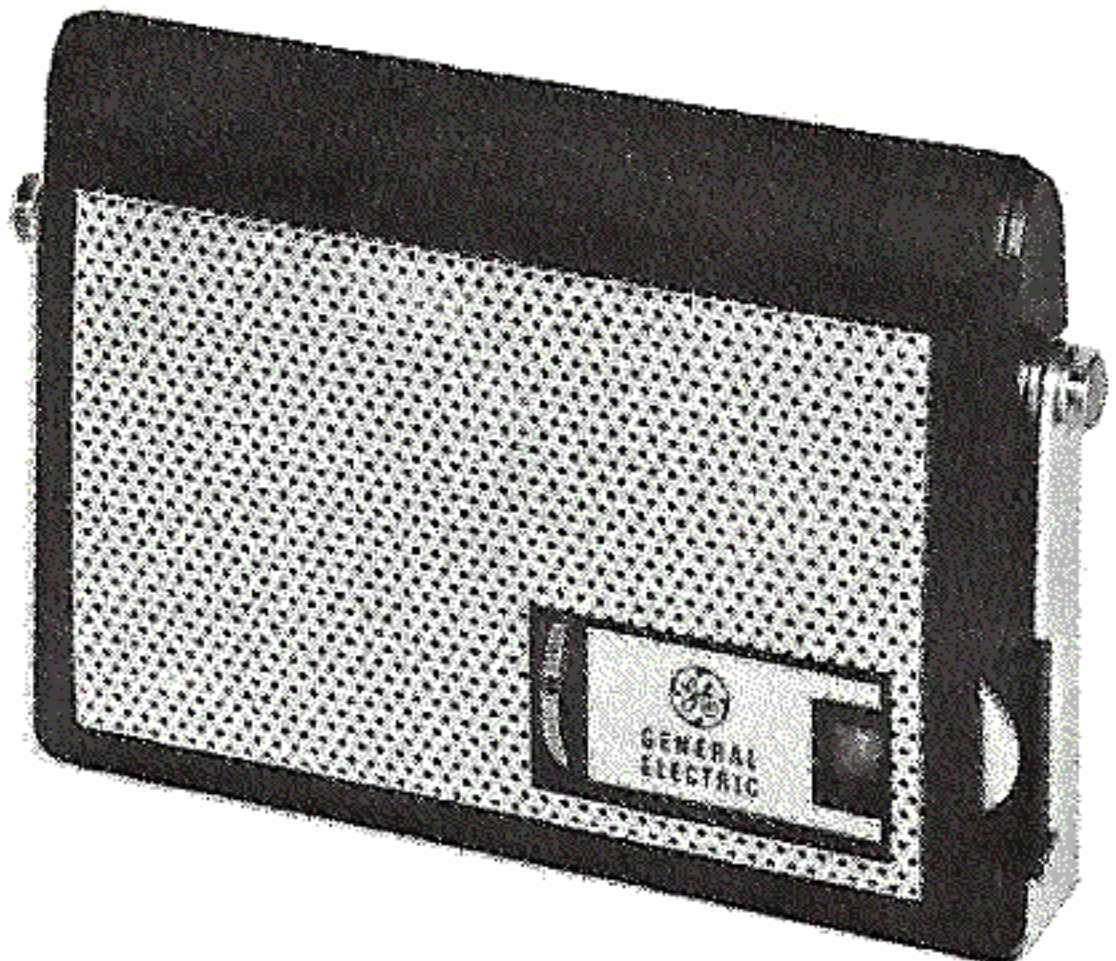




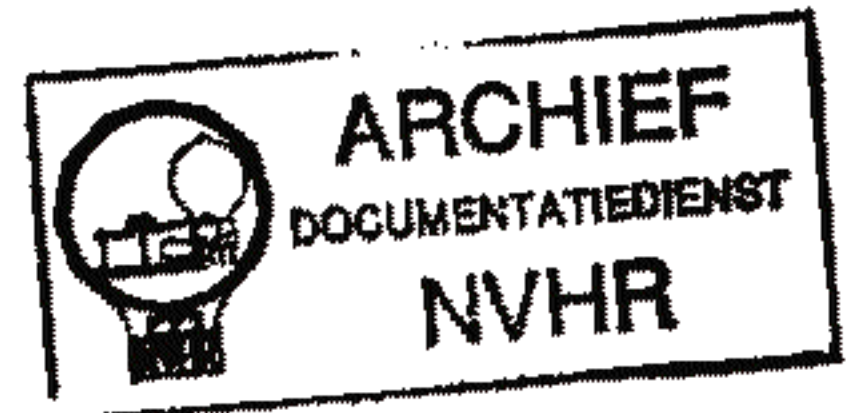
PHOTOFACT[®] with CIRCUITRACE[®]



TRADE NAME : General Electric Models P905A, P9051A
 SUPPLIER : General Electric Co.
 Product Service, Radio Receiver Dept.
 1001 Broad Street, Utica, N. Y.
 TYPE SET : 7 Transistor AM Receiver
 POWER SUPPLY : 4.2 Volts DC
 RATING : 10MA @ 4.2VDC (No Signal, Min. Volume)
 35MA @ 4.2VDC (Signal, Normal Volume)
 TUNING RANGE : BROADCAST 540 -- 1620KC

Ned. Ver. v. Historie v/d

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, A2, A3, A5.....GENERAL CEMENT #8290, 9089
 WALSCO #2528
- A4, A6.....GENERAL CEMENT #5000, 8275
 WALSCO #2525

	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	455KC (Unmod.)	Tuning gang fully open.	DC VTVM across volume control.	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.

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8590 (Solid 22AWG)	Available
	8524 (Stranded 22AWG)	in
	8570 (Stranded 26AWG)	12 Colors

TRANSISTORS

ITEM No.	MFR. PART No.	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	RS-3322 ①	Converter	DS-25	GE-9		PNP
X2	RS-3323 ②	1st IF Amplifier	DS-25	GE-9		PNP
X3	RS-3324 ③	2nd IF Amplifier	DS-25	GE-9		PNP
X4	RS-5404 ④	AF Amplifier				PNP
X5	RS-3316 ⑤	Driver				PNP
X6	RS-57062 ⑥	Output				PNP
X7	RS-57062 ⑥	Output				PNP

① Some versions may use RS-2690 in this application.

② Some versions may use RS-2691 in this application.

③ Some versions may use RS-2692 in this application.

④ Some versions may use RS-2697 or RS-3308 in this application.

⑤ Some versions may use RS-2689, RS-3310, RS-3316-1 or RS-3316-2 in this application.

⑥ Some versions may use RS-3318 or 2N1059 in this application.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	G. E. PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	90	5	RS-3412						
C2	8	25	RS-3017		NLW8-25	MT1-5			
C3	3	50	RS-2984		NLW3-50				TE-1302

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.	
C10	.001	(.01, .005) † (.005) †		DM-102					
C11	.01		TTD-01	CK-103	H2		TA-110	TG-S10	
C12	.01		TTD-01	CK-103	H2		TA-110	TG-S10	
C13	.05		TTD-05	CK-503	H5		TA-150	TG-S50	
C14	.05		TTD-05	CK-503	H5		TA-150	TG-S50	
C15	.1mfd 10V		TTD-1	CK-104	H6		TA-010	TG-P10	
C16	.002			DM-202					
C17	.05		TTD-05	CK-503	H5		TA-150	TG-S50	
C18	.005	(.01) †	TTD-005	CK-502	H1		TA-250	TG-D50	

† Alternate Value.

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	10K	RS-3997				

DESCRIPTION

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 Oscillator	RS-3998		2009			
L2		RS-4054					
L3		RS-3998					
L4		RS-3999					
L5		RS-4000	BC-571	2063	RTC-9264		

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.						
TI	1.7	1	RS-4001					

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		G. E. PART No.	QUAM PART No.	
SP1	2" Magnetic 18-20Ω	RB-1309		

BATTERIES

ITEM No.	VOLTAGE	PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	4.2V		AL-133 (or H133)	333 (or E133N)	MN1306 (or TR-133R)	

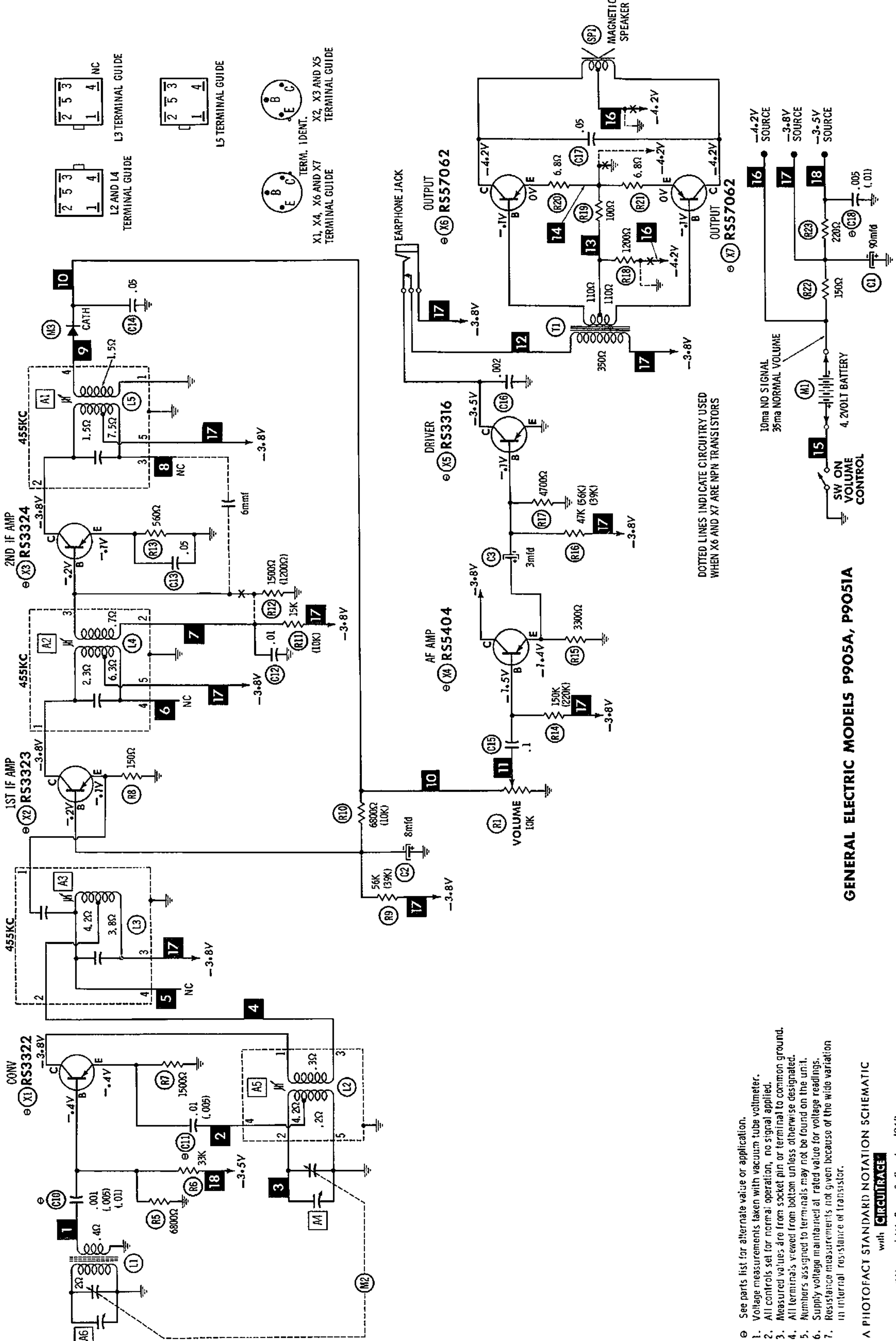
MISCELLANEOUS

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

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob - Tuning	RS-3993	Cabinet Front	RB 1307
Knob - Volume	RS-4053	Cabinet Back	RB-1308



DOTTED LINES INDICATE CIRCUITRY USED WHEN X6 AND X7 ARE NPN TRANSISTORS

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

A PHOTOFAC STANDARD NOTATION SCHEMATIC

with **CIRCUITRACE**

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GENERAL ELECTRIC MODELS P905A, P9051A

