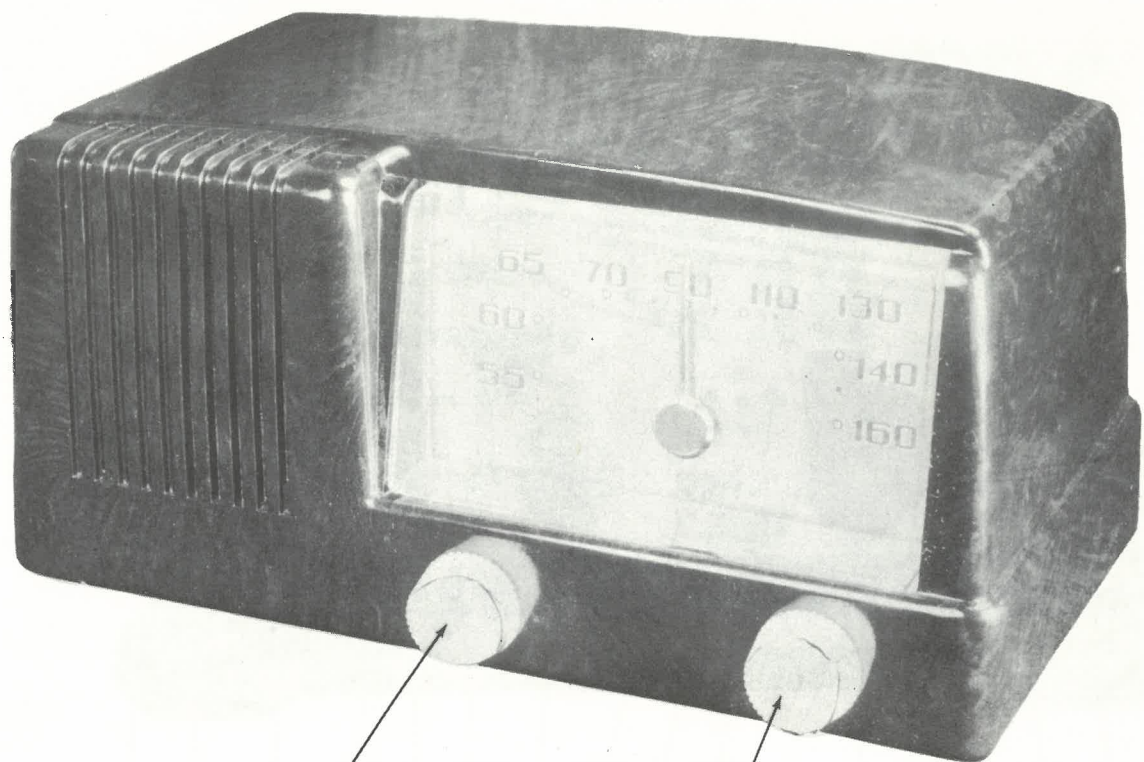


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THE COOPERATION OF THE MANUFACTURER OF THIS RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

1-16

**GENERAL ELECTRIC  
MODELS 123, 124**



VOLUME CONTROL  
ON-OFF SWITCH

## TUNING CONTROL

TRADE NAME		General Electric, Models 123, 124				
MANUFACTURER		General Electric Co., Electronics Dept., Electronics Park, Syracuse, New York				
TYPE SET		AC-DC Operated Superheterodyne Receiver with Loop Antenna				
TUBES (FIVE)		Types 12SA7 Converter, 12BA6 or 12SK7 IF Amp., 12SQ7 DET. -AVC-AF, 50C5 Power Output, 35W4 Rectifier.				
POWER SUPPLY		105-125 Volts AC-DC		RATING .26 Amp. at 117 Volts AC		
TUNING RANGE—BROADCAST		540-1600KC				
ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT						
<p>To set pointer turn tuning cap fully closed and set pointer to last reference mark at low frequency end of dial. Use isolation transformer if available. If not connect a .1MFD capacitor in series with low side of signal generator and B-. Loop should be maintained in same relative position to chassis as when receiver is in cabinet.</p> <p>Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.</p>						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
.05MFD	High side to pin 8 (Grid) of 12SA7 (V1). Low side to B-.	455KC (400 $\nu$ Mod.)	Tuning gang fully open	Across voice coil	A1, A2, A3, A4	Adjust for maximum output. If isolation transformer is not used, reduce dummy antenna to .001MFD to reduce hum modulation.
	Loop	1620KC	"	"	A5	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
	Loop	1500KC	Tune for max. output.	"	A6	"

**HOWARD W. SAMS & CO., INC. • Indianapolis 1, Indiana**

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ITEM No.	USE	REPLACEMENT DATA			INSTALLATION NOTES
		G. E. PART No.	STANDARD REPLACEMENT	RMA BASE TYPE	
V1	Converter	12SA7	12SA7	8R	
V2A	IF Amp.	12BA6	12BA6	7BK	
V2B	IF Amp.	12SK7	12SK7	8N	
V3	DET. -AVC-AF	12SQ7	12SQ7	8Q	
V4	Power Output	50C5	50C5	7CV	
V5	Rectifier	35W4	35W4	5BQ	

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING CAP.	VOLT	REPLACEMENT DATA				IDENTIFICATION CODES AND INSTALLATION NOTES
			G. E. PART No.	AEROVOX PART No.	CENTRALAB PART No.	ERIE PART No.	
C1A	50	150	RCE-046	PRSA150/40-40			TA-505 Filter-Red ↑
C2	50	400	UCC-028	P488-05	D6-470		TM-15 AVC Filter
C3	47	300	UCU-020	1468-00005	D6-221		IFM-45 Osc. Grid Cap.
C4A	220		RCW-3025	GP2200M	D6-202		Diode RF Filter
C4B	2000			GP2000M	D6-221		Audio Coupling
C5	5000	600	UCC-041	GP5000M	D6-502		AF Amp. Plate Bypass
C6	.02	400		P888-02			Audio Coupling
C7	.05	400	UCC-028	P488-05			Output Plate Bypass
C8	.05	600	UCC-045	P888-05			Line Isolation
C9							Line Filter

† Some models use 30MFD in this application.

CONTROLS

ITEM No.	RATING RESISTANCE	WATTS	REPLACEMENT DATA				INSTALLATION NOTES
			G. E. PART No.	IRC PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	
R1A	500KΩ	1/2	RRC-106	Q13-133	AM-60-Z		Volume control
R1B	500KΩ	1/2	Not Req.	Not Req.	KSS-3	BSK-60-S	Attach to R1A per instructions
R1C	Switch		Not Req.	70-1	SW-A	Not Req.	Attach to R1A per instructions

RESISTORS

ITEM No.	RATING RESISTANCE	WATTS	REPLACEMENT DATA				IDENTIFICATION CODES
			G. E. PART No.	IRC PART No.	IRC PART No.		
R2	22KΩ	2.2	URD-089	ETS-22K			Osc. Grid
R3	2.2 Meg.	4.7	URD-129	ETS-2.2 Meg.			AVC Network
R4	4.7 Meg.	4.7	URD-127	ETS-4.7 Meg.			AF Amp. Grid
R5	470	1/2		ETS-470			IF Cathode-See Note 1
R6	470KΩ	1/2	URD-113	ETS-470K			AF Amp. Plate
R7	1 Meg.	1/2		ETS-1 Meg.			Output Grid-See Note 2
R8	150Ω	1/2	URD-029	BW-1-150			Output Cathode
R9	1000Ω	1/2		BW-2-1000			Filter-See Note 3
R10	470KΩ	1/2	URD-113	ETS-470K			Isolation
R11	22Ω	1/2	URD-009				Surge Limiter

Note 1. Not used in all models.  
Note 2. Some models use 470KΩ resistor in this application.  
Note 3. Some models use 1500KΩ resistor in this application.

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING			REPLACEMENT DATA			INSTALLATION NOTES
	IMPEDANCE	DC RES.	DC RES.	G. E. PART No.	STANCOR PART No.	MERIT PART No.	
T1	2.1KΩ	3.5Ω	225Ω	.60	RTO-069	A-3332	A-3025 # RO-2 #

SPEAKER

ITEM No.	RATINGS FIELD V. C. IMP. V. C. DIA. 3 7/8"	RATINGS V. C. IMP. 3.5Ω V. C. DIA. 9/16"	REPLACEMENT DATA				INSTALLATION NOTES
			G. E. PART No.	JENSEN PART No.	QUAM PART No.		
SP1			UOP-487	ST-113	4A07		
SP2				MOD. P4-X			

R F COILS

ITEM No.	USE	DC RES.			REPLACEMENT DATA			INSTALLATION NOTES
		PRI.	SEC.		G. E. PART No.	MEISSNER PART No.		
L1	Loop Ant.	3.7Ω			RLD-095			
L2	Osc. Coil	50	7Ω		RLC-090	14-1073		
L3	1st IF	25.5Ω	25.5Ω		RTL-094	16-6658		
L4	2nd IF	25Ω	25Ω		RTL-093	16-6660		Includes cabinet back

DIAL LIGHTS

ITEM No.	BASE TYPE	VOLTS	AMPS.	REPLACEMENT DATA		NOTES
				BEAD COLOR	G. E. PART No.	
M1	Bayonet	7.5	.2	White		Type #51

MISCELLANEOUS

ITEM No.	PART NAME	G. E. PART No.	NOTES
M2	2 Gang Var. Cap. Dial Scale Dial Pointer Knob Knob Cabinet Cabinet	RCT-037 RDS-083 RDP-048 RDK-175 RDK-174 RAU-037 RAU-306	(18-462MMF, 22-162MMF)  Model 124 Model 123 Model 124 (Ivory) Model 123 (Brown)

