

PHOTOFACT* Folder



GENERAL ELECTRIC
MODELS 630, 631, 632

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TRADE NAME General Electric Models 630, 631, 632
MANUFACTURER General Electric Co., Electronics Dept., Electronics Park, Syracuse, N.J.
TYPE SET Three Power Portable AM Superheterodyne Receiver
TUBES (Four) Types 1R5 Conv., 1U4 IF Amp., 1U5 Det.-AVC-AF Amp., 3V4 Output
POWER SUPPLY 110-120 Volts AC-DC (or) 1.5 Volts "A" Supply & 67.5 Volts "B" Supply
RATING .11 Amp. @ 117 Volts AC (or) 200MA @ 1.5 Volts DC & 6MA @ 67.5 Volts DC
TUNING RANGE—BROADCAST 540KC - 1600KC

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

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.
Loop should be maintained in same relative position to chassis as when receiver is in cabinet.
Use battery power, if possible. If AC power is used, use an isolation transformer when available. If not, connect a .1MFD capacitor in series with low side of the signal generator and B-.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1. .1MFD	High side to pin 6 (grid) of 1R5 (V1). Low side to B-.	455KC (400*Mod)	Tuning gang fully open	Across voice coil	A1, A2, A3, A4	Adjust for maximum output. If AC power is used without an isolation transformer, reduce dummy antenna to 200MMF to reduce hum modulation.
2. "	"	1620KC	"	"	A5	"
3. Loop		1400KC	Rock tuning gang	"	A6	Adjust for maximum output. Repeat steps 2 and 3.

HOWARD W. SAMs & CO., INC. • Indianapolis 5, Indiana

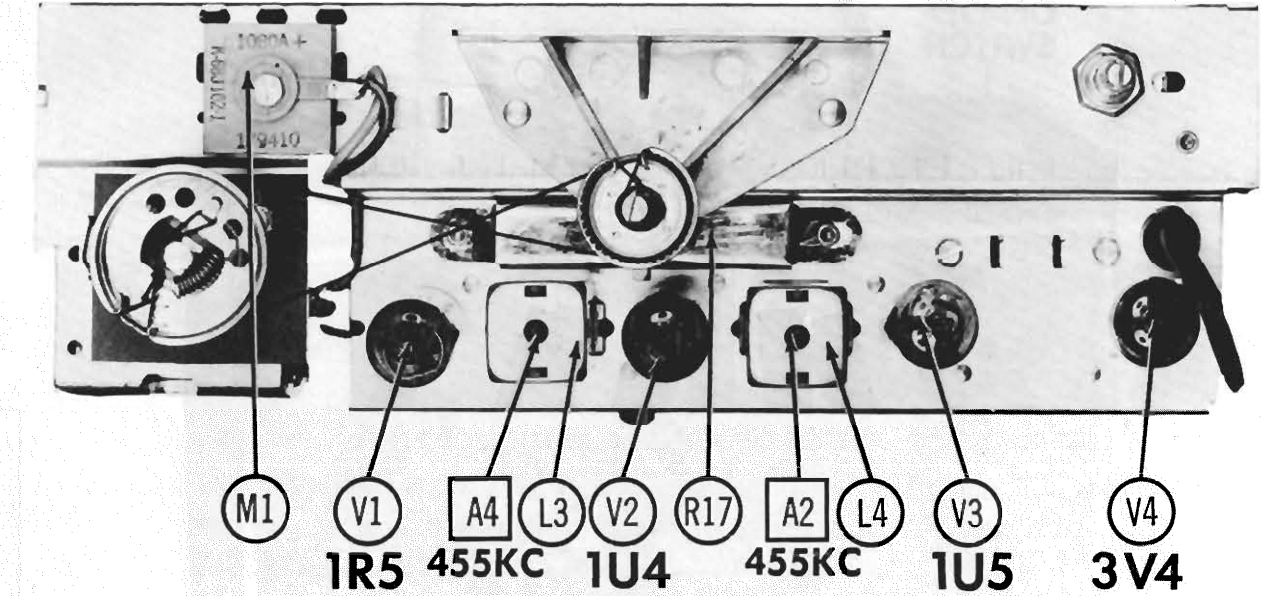
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DATE 12-54

SET 261 FOLDER 7

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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. VOLTS	REPLACEMENT DATA		REPLACEMENT DATA		REPLACEMENT DATA		NOTES
		General Elec. PART No.	STANDARD REPLACEMENT	RETMA BASE TYPE	NOTES	General Elec. PART No.	STANDARD REPLACEMENT	
V1	Converter	IR5	IR5	7AT				
V2	IF Amp.	1U4	1U4	6AR				
V3	Det.-AFC-AF Amp.	1U5	1U5	6BW				
V4	Output	3V4	3V4	6BX				

ITEM No.	RATING CAP. VOLTS	REPLACEMENT DATA		REPLACEMENT DATA		REPLACEMENT DATA		NOTES
		General Elec. PART No.	STANDARD REPLACEMENT	RETMA BASE TYPE	NOTES	General Elec. PART No.	STANDARD REPLACEMENT	
C1A	60	RCB-151	PRS106D50A					
B	40							
C	200							
C2	022	RCN-123	P288-022					
C3	2.2	RCW-3075	SI2.2NP0					
C4	47	RCW-3014	BPD-005					
C5	5000	RCN-070	SI2.2NP0					
C6	.33	RCW-3118	BPD-003					
C7	2.2	RCN-030	SI2.2NP0					
C8	3000	RCW-3126	DD-202					
C9	220							
C10A	2000							
B	220							
C	5000							
D	4000							
C11	2000	RCW-3018	*PA-285					
C12	.047	RCC-053	BPD-002					
C13	.047	RCC-125	DF-503					

* Items C10A, C10B, C10C, C10D are combined in one unit.

CONTROLS

ITEM No.	RATING RESISTANCE	WATTS	REPLACEMENT DATA		REPLACEMENT DATA		NOTES
			General Elec. PART No.	IRC PART No.	CLAROSTAT PART No.	MALLORY PART No.	
R1A	1M Ω	1/2	RCC-263	Q13-137	A47-1Meg-Z	U-53	Volume Attach to R1A
B	5M Ω		Not Req.	Not Req.	KSS-3	Not Req.	Attach to R1A
C	Switch		Not Req.	76-2	SWR-20	US-27	

RESISTORS

ITEM No.	RATING OHMS	WATT	REPLACEMENT DATA		NOTES	REPLACEMENT DATA		NOTES
			General Elec. PART No.	IRC PART No.		General Elec. PART No.	IRC PART No.	
R2	100K Ω		URD-097	BTS-100K				
R3	10K Ω		URD-073	BTS-10K				
R4	6.8Meg		URD-141	BTS-6.8Meg				
R5	3.3Meg		URD-133	BTS-3.3Meg				
R6	3.3Meg		URD-133	BTS-3.3Meg				
R7	10Meg		URD-145	BTS-10Meg				
R8	3.3Meg		URD-133	BTS-3.3Meg				
R9	470K Ω		URD-133	BTS-470K				
R10	3.3Meg		URD-133	BTS-3.3Meg				

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA								NOTES
		General Electric		Stancor	Merit		Triad		Thordarson	
		PART No.	PART No.	PART No.	PART No.	PART No.	PART No.			
T1	9.8K Ω	3.60	RT0-133	A-3329	A-2708	S-4X	2110	24549		

PARTS LIST AND DESCRIPTIONS (Continued)
SPEAKER

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	SIZE	FIELD	V. C. IMP.	General Electric PART No.	JENSEN PART No.	QUAM PART No.	
SP1	4"	PM	3.6Ω	S-400-4 S-400-7 ①	ST-113 Mod. P4-X	4A07 ①	Alternate speaker

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
		PRI	SEC.	General Elec. PART No.	WEISSNER PART No.	
L1	Ant. Coil	4G		RLC-039	14-1074*	
L2	Osc. Coil	70		RLC-101	BC-381	70-Osc. *
L3	Input IF	250		RTL-156	BC-352	12-C1
L4	Output IF	250		RTL-156	BC-353	12-C2

* Leads sufficient mounting support.
* Drill mounting hole

SELENIUM RECTIFIER

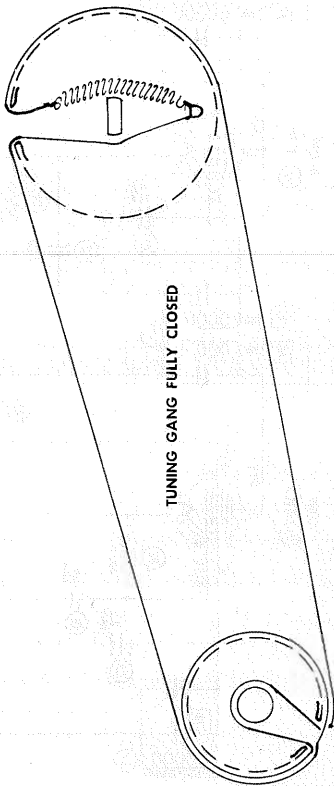
ITEM No.	RATING CURRENT	REPLACEMENT DATA		REPLACEMENT DATA		NOTES
		General Electric PART No.	FEDERAL PART No.	INTERNATIONAL PART No.	MALLORY PART No.	
M1	.059ADC	REX-005	1008A	NS65	GS75	5M4

BATTERIES

ITEM No.	VOLTAGE	REPLACEMENT DATA		REPLACEMENT DATA		NOTES
		General Electric PART No.	EVEREADY	"A."	"B."	
M2	1.5V		964	"A."	"B."	
M3	67.5V		467	21R	XX45	Connect 2 in parallel.

MISCELLANEOUS

ITEM No.	PART NAME	General Electric PART No.	NOTES
M4	Tuning Cap.	RCT-077	19-300MMF, 18-145MMF
M5	Switch	RSW-103	AC-DC - Battery Selector
M6	Cabinet	RAU-008	Battery Saver
	Cabinet	RAU-401	Green - Model 630
	Cabinet	RAU-408	Red - Model 631
	Knob	RDK-397	Volume - Gray - Model 632
	Knob	RDK-398	Tuning - Gray - Model 632 (with dial scale)
	Knob	RDK-399	Tuning - Green - Model 630 (with dial scale)
	Knob	RDK-400	Tuning - Red - Model 631 (with dial scale)
	Knob	RDK-401	Volume - Green - Model 630
	Handle	RHV-057	Volume - Red - Model 631
	Handle	RHV-058	Green - Model 630
	Handle	RHV-059	Red - Model 631
			Gray - Model 632



DIAL CORD STRINGING

CHASSIS—BOTTOM VIEW

