

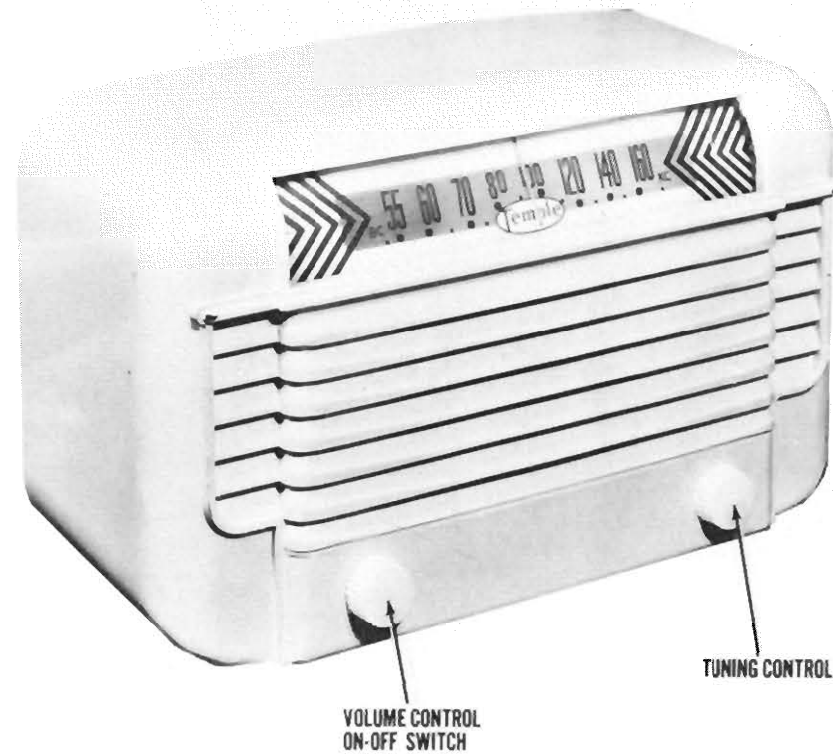
The stage gain measured values listed above are approximate values for an average operative stage, rather than an absolute value. It should be borne in mind that it is possible to introduce so many variables into the measurement operation, such as, type of equipment used for measuring, handling and placement of probes, the accuracy of alignment, etc., that an absolute reading is impractical. AVC is made inoperative and 3-volt battery bias substituted for measurement.

1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms per volt.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance on component values makes possible a variation of $\pm 10\%$ in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.

TEMPLE MODEL G-513

PHOTOFACT* Folder

TEMPLE
MODEL G-513



TEMPLE MODEL G-513						
TRADE NAME Temple, Model G-513						
MANUFACTURER Templetone Radio Mfg. Corp., New London, Conn.						
TYPE SET AC-DC Operated Superheterodyne Receiver with Loop Antenna						
TUBES (FIVE) Types, 12SA7GT Converter, 12SK7GT IF Amp., 12SQ7GT Det.-AVC-AF, 50L6GT Power Output, 35Z5GT Rectifier.						
POWER SUPPLY 110-120 Volts AC-DC						
TUNING RANGE-BROADCAST 540-1620KC						
RATING .260 Amps. @ 117V AC						
ALIGNMENT INSTRUCTIONS-READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT						
To set pointer, turn tuning cap. fully closed and set pointer to last reference mark at low freq. end of dial. Use isolation transformer if available. If not, connect a .1 MFD capacitor in series with low side of signal generator and chassis. Loop should be maintained in same relative position to chassis as when receiver is in cabinet. 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.						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1 .01MFD.	High side to rear stator of tuning cap. Low side to chassis.	455KC	Tuning cap. fully open.	Across voice coil	A1,A2, A3,A4.	Adjust for maximum output. If isolation transformer is not used, reduce dummy ant. to .001 MFD. to reduce hum modulation.
2	Loop	1700KC	"	"	A5	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
3	"	1550KC	Tune for maximum output.	"	A6	Adjust for maximum output.

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Indianapolis 6, Indiana

DATE 9/47 SET 23 FOLDER 4713-29

PARTS LIST AND DESCRIPTIONS
 TUBES (SYLVANIA or Equivalent)

TEMPLE
 MODEL G-513

CHASSIS—TOP VIEW

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	INSTALLATION NOTES
		TEMPLE PART No.	STANDARD REPLACEMENT		
1	Converter	128A70T	128A70T	8AU	
2	IF AMP.	128K70T	128K70T	8N	
3	Det.-AVC-4F	128L70T	128L70T	8Q	
4	Power Output	50L60T	50L60T	7AC	
5	Rectifier	35Z55T	35Z55T	6AD	

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		REPLACEMENT DATA					IDENTIFICATION CODES AND INSTALLATION NOTES	
	CAP.	VOLT.	TEMPLE PART No.	CORNELL DUBILIER PART No.	MALLOY PART No.	SOLAR PART No.	SPRAGUE PART No.	AEROVOX PART No.	
6A	50	150		225515	225521	NSP-2X60-150	7A505		Filter - Red
7E	50	150							Line Bypass
7	100	150		774131	774131	8-4-1	7C-1	484-1	Output Plate Bypass
8	.02	400		774132	774132	8-4-1	7C-12	484-12	Audio Coupling
9	.005	600		774133	774133	8-4-1	7C-25	624-005	Audio Coupling
10	.005	600		774134	774134	8-4-1	7C-25	624-005	Audio Coupling
11	.01	600		774135	774135	8-4-1	7C-1	624-01	AVC Filter
12	.01	600		774136	774136	8-4-1	7C-1	624-01	RF Bypass Par. Supp
13	.02	600		774137	774137	8-4-1	7C-12	484-12	AVC Coupling
14	220	500		774138	774138	8-4-1	7C-12	484-12	AVC Coupling
15	100	500		774139	774139	8-4-1	7C-12	484-12	AVC Coupling

*not used in all models.

CONTROLS

ITEM No.	RATING	REPLACEMENT DATA			INSTALLATION NOTES
		TEMPLE PART No.	MALLOY PART No.	IRC PART No.	CLAROSTAT PART No.
16A	500K 1/2 Switch		92401	D13-133	7-40-2
16B	500K 1/2 Switch		92401	D13-133	7-40-2
16C	500K 1/2 Switch		92401	D13-133	7-40-2

RESISTORS

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES
		WOLAROC PART No.	IRC PART No.	
17	22K 1/2		B7S-22K	Red-Red-Gr. Oscillator Grid
18	2.2 Meg.		B7S-2.2 Meg.	Red-Red-Grn. AVC Network
19	5.0 Meg.		B7S-5.0 Meg.	Gr.-White-Grn. AF Grid
20	220K 1/2		B7S-220K	Red-Red-Yl. AF Plate Load
21	470K 1/2		B7S-470K	Yl.-Vl.-Yl. Output Grid
22	120K 1/2		B7A-120	Br.-Red-Br. Output Cathode
23	100K 1/2		B7A-100	Br.-Red-Br. Output Cathode
24	100K 1/2		B7A-100	Br.-Red-Br. Output Cathode

Note 1 - Not used in all models.

TRANSFORMER (OUTPUT)

ITEM No.	RATING	REPLACEMENT DATA		INSTALLATION NOTES
		TEMPLE PART No.	THORADAPN PART No.	
25	100VA 2.20 115V .50		A-3578*	*Bead mounting tabs down, file out slots and mount on original bracket.

PARTS LIST AND DESCRIPTIONS (Continued)

SPEAKER

ITEM No.	RATINGS	REPLACEMENT DATA		INSTALLATION NOTES
		TEMPLE PART No.	JENSEN PART No.	
26	FIELD VC IMP. 3.20		57-105	
27	CONC DIA. VC DIA. 4-3/4"		Mod. Ps-X	

NOT READILY REPLACABLE—USE COMPLETE SPEAKER UNIT

R F COILS

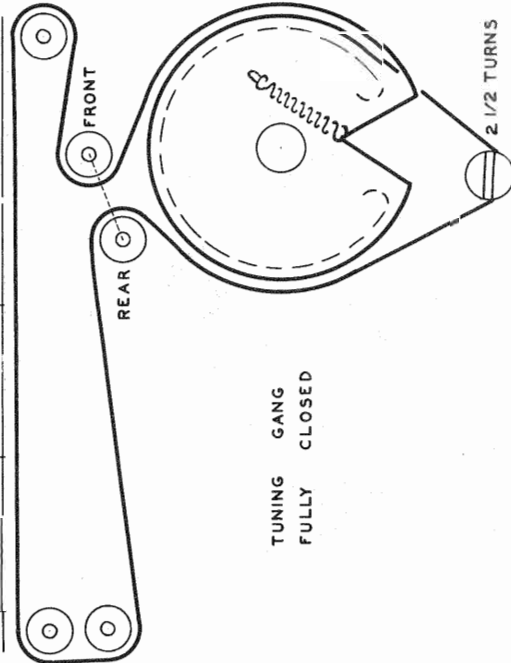
ITEM No.	USE	REPLACEMENT DATA		INSTALLATION NOTES
		TEMPLE PART No.	MESSNER PART No.	
28	Loop Ant.	LL14	14-1040	
29	Dec. Coil	L0-2	16-8658	
30	Input IF	T12-1	16-8670	
31	Output IF	T12-2	16-8670	

DIAL LIGHT

ITEM No.	BASE TYPE	VOLTS	AMPS.	REPLACEMENT DATA		INSTALLATION NOTES
				TEMPLE PART No.	BEAD COLOR	
32	Bayonet	0-8	0.10	17-10	White	Type 47

MISCELLANEOUS

ITEM No.	PART NAME	TEMPLE PART No.	NOTES
33	Tuning Cap.	CT-6	(22-440 PPF, 20-155 PPF)



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