

IF = 455KC

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	12SA7GT	OC	100K	200K	200K	200K	200K	200K	200K
2	12SK7GT	OC	100K	200K	200K	200K	200K	200K	200K
3	12SQ7GT	OC	100K	200K	200K	200K	200K	200K	200K
4	50L6GT	OC	100K	200K	200K	200K	200K	200K	200K
5	35Z5GT	OC	100K	200K	200K	200K	200K	200K	200K

TAKEN WITH VACUUM TUBE VOLTMETER.

VOLTAGE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	12SA7GT	OV.	100V	200V	200V	200V	200V	200V	200V
2	12SK7GT	OV.	100V	200V	200V	200V	200V	200V	200V
3	12SQ7GT	OV.	100V	200V	200V	200V	200V	200V	200V
4	50L6GT	OV.	100V	200V	200V	200V	200V	200V	200V
5	35Z5GT	OV.	100V	200V	200V	200V	200V	200V	200V

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

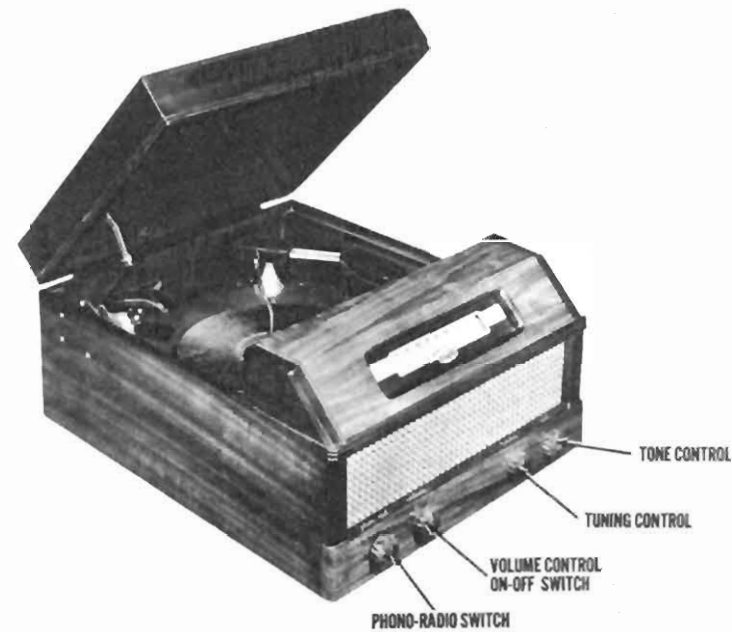
A PHOTOFACT STANDARD NOTATION SCHEMATIC
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4719-27

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-518



TEMPLE MODEL G-518

TRADE NAME Temple, Model G-518
MANUFACTURER Templetone Radio Mfg. Corp., Garfield Ave., New London, Conn.
TYPE SET AC Operated Combination Phono-Radio Superheterodyne Receiver-Self Contained Loop Ant.
TUBES (FIVE) Types, 12SA7GT Converter, 12SK7GT IF Amp., 12SQ7GT Det.-AVC-AF, 50L6GT Power Output, 35Z5GT Rectifier.

POWER SUPPLY 110-120 Volts AC
TUNING RANGE—BROADCAST 532-1700KC
RATING .230 Amps. @ 117 Volts AC

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

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.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1 .01 MFD	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 in to loop of receiver. Adjust for maximum output.
3	"	1550KC	Tune for maximum output.	"	A6	Adjust for maximum output.

DISASSEMBLY INSTRUCTIONS

1. Remove two screws from bottom of cabinet holding record changer in cabinet.
2. Remove phono-pickup plug from chassis.
3. Remove phono-motor plug from chassis.
4. Remove record changer from cabinet.
5. Remove four push-on type control knobs.
6. Remove two Phillips head wood screws holding panel in back of chassis. Remove panel from cabinet.
7. Remove three screws holding chassis in cabinet. Remove staples holding loop in cabinet. Remove chassis and loop from cabinet.

HOWARD W. SAMs & CO., INC.

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Indianapolis Indiana

Printed in U. S. of America
DATE 12/47 SET #29 FOLDER #4719-27

TEMPLE
MODEL G-518

PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA			INSTALLATION NOTES
		TEMPLE PART No.	STANDARD REPLACEMENT	RMA BASE TYPE	
1	Converter	128A70T	128A70T	6AD	
2	IF Amp.	128K70T	128K70T	6N	
3	Det.-AFC-AF	128Q70T	128Q70T	8Q	
4	Power Output	50L60T	50L60T	7AC	
5	Rectifier	35Z50T	35Z50T	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
		TEMPLE PART No.	MALLOY PART No.	SOLAR PART No.	SPRAGUE PART No.	
6A	CAP. 150		TP357*	DT-804020-150	AF38D4*	UFG4215
B	40				PR8-150-40	
C	20				TC-201	
7	.01	TP410	TC-11	S-6-01	684-01	D7681
8	.005	TP408	TC-25	S-6-005	684-005	D7685
9	.005	TP408	TC-25	S-6-005	684-005	D7685
10	.003	TP408	TC-23	S-6-003	684-003	D7683
11	.005	TP408	TC-25	S-6-005	684-005	D7685
12	.06	TP428	S-4-1	454-1	454-1	D74P1
13	.01	TP428	TC-15	454-05	454-05	D74S8
14	.01	TP410	TC-11	684-01	684-01	D74P1
15	.01	TP418	TC-1	684-1	684-1	D7681
16	.01	TP418	TC-1	684-1	684-1	D7681
17	.01	TP418	TC-1	684-1	684-1	D7681
18	.01	TP418	TC-1	684-1	684-1	D7681
19	.01	TP418	TC-1	684-1	684-1	D7681
20	.01	TP418	TC-1	684-1	684-1	D7681

*Parallel sections to obtain desired capacity.
 Note 1-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.	
21A	500KΩ	RP6-2A	TP230	D13-133X	AF-92	Volume Control & Sw.
21B	500KΩ	Not Req.	S825	E	KSS-3	Attach to 21A per instructions
22A	500KΩ	RP6-504B	TP401	D13-133	AF-90-Z	Tone Control
22B	500KΩ	Not Req.	Not Req.	E	KSS-3	Attach to 22A per instructions

RESISTORS

ITEM No.	RATING	REPLACEMENT DATA			IDENTIFICATION CODES
		TEMPLE PART No.	MALLOY PART No.	IRC PART No.	
23	22KΩ			BTS-22K	Red-Red-Or. Oscillator Grid
24	2.2 Meg.			BTS-2.2 Meg.	Red-Red-Orn. AVC Network
25	3.9 Meg.			BTS-3.9 Meg.	Or.-White-Orn. AF Grid
26	25KΩ			BTS-25K	Or.-Cr.-Or. Tone Compensation
27	330KΩ			BTS-330K	Or.-Cr.-Or. AF Plate Load
28	470KΩ			BTS-470K	Yl.-Yl.-Yl. Output Grid
29	470KΩ			BTS-470K	Yl.-Yl.-Yl. Output Grid
30	100Ω			BM-100	Br.-Blk.-Br. Output Cathode
31	100Ω			BTS-1000	Br.-Blk.-Br. Output Cathode
32	470KΩ			BTS-470K	Yl.-Yl.-Yl. Phone Shunt
33	820KΩ			BTS-820K	Gray-Red-Yl. Series Phone
34	100Ω			BK-100	Br.-Blk.-Br. Surge Limiter
35	150Ω			BW-150	Br.-Orn.-Br. Pilot Light Shunt

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (OUTPUT)

ITEM No.	RATING	REPLACEMENT DATA				INSTALLATION NOTES
		TEMPLE PART No.	STANCOR PART No.	THORBARN PART No.	MERIT PART No.	
36	IMPEDANCE 150Ω PRI. 2100Ω SEC. 3.3Ω 150Ω 150Ω	Part of EH-19	A-23761	7225451	A-23281	Bend mounting tabs down, file out slots and mount on original bracket.

SPEAKER

ITEM No.	RATINGS	REPLACEMENT DATA			INSTALLATION NOTES
		TEMPLE PART No.	JENSEN PART No.	TEMPLE PART No.	
37	FIELD VC 1P PRI. 3.3Ω SEC. 3.3Ω	EH-19	ST-105		
38	CONV. DIA. VC DIA. 4-3/4"	Mod. P8-X			

R F COILS

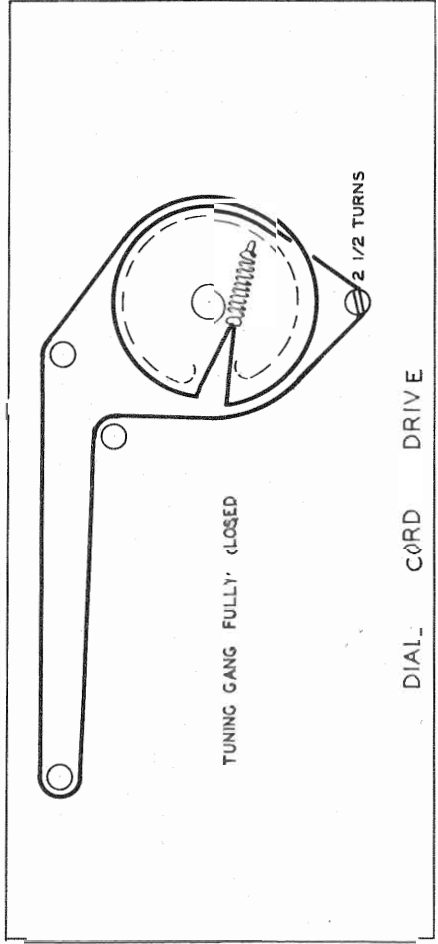
ITEM No.	USE	DC RES.	REPLACEMENT DATA		INSTALLATION NOTES
			TEMPLE PART No.	MEISSNER PART No.	
39	Loop Ant.	.25Ω	L17	14-1040	
40	Sec. Coil	1.8Ω	L02	16-6888	
41	Input IF	16Ω	TP2-10	16-6888	
42	Output IF	16Ω	TP2-11	16-6888	

DIAL LIGHT

ITEM No.	BASE TYPE	VOLTS	AMPS.	REPLACEMENT DATA		INSTALLATION NOTES
				BEAD COLOR	TEMPLE PART No.	
43	Bayonet	2.9	.17	White		Type 201.

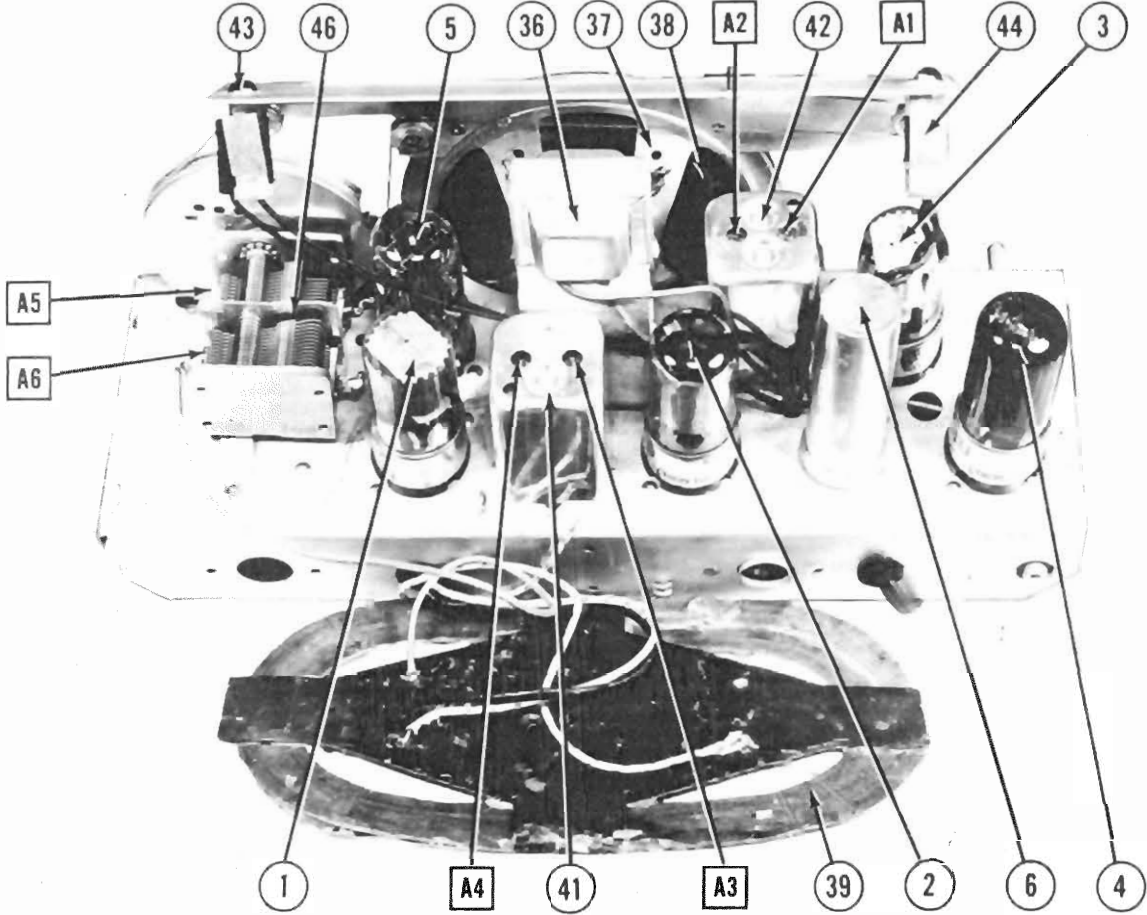
MISCELLANEOUS

ITEM No.	PART NAME	TEMPLE PART No.	NOTES
45	Switch	SR13	Radio-Phone
46	2 Gang Var. Cap.	CV6	(22-44000, 30-18000)



DATE 12/47 SET #29 FOLDER #4719-27

CHASSIS—TOP VIEW



CHASSIS—BOTTOM VIEW

