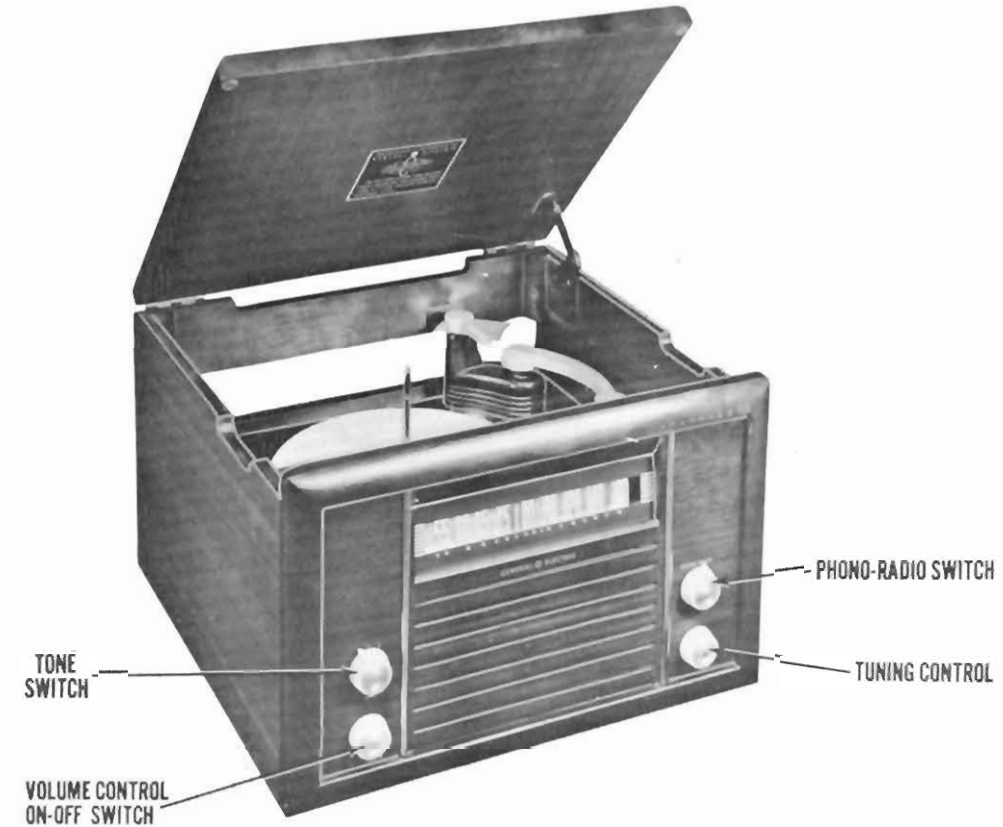


GENERAL ELECTRIC MODEL 304



GENERAL ELECTRIC MODEL 304

GENERAL ELECTRIC MODEL 304

TRADE NAME	General Electric, Model 304					
MANUFACTURER	General Electric Co., Appl. & Merch. Dept., Bridgeport, Conn.					
TYPE SET	AC Operated Combination Phono-Radio Superheterodyne Receiver with Loop Antenna					
TUBES (SIX)	Types, 6SA7 Converter, 6SK7 IF Amp., 6SQ7 Det.-AVC-AF, 6SC7 Phono Pre-Amp., 6V6GT Power Output, 5Y3GT Rectifier					
POWER SUPPLY	105-125 Volts AC			RATING .57 Amp. @ 117 Volts AC		
TUNING RANGE—BROADCAST	540-1600KC					
ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT						
<p>Before attempting alignment turn tuning cap. fully closed and mark position of pointer in relation to dial backplate. This mark is index mark referred to in Step 3. After receiver has been installed in cabinet turn tuning cap. fully closed and set pointer to last reference mark at low freq. end of dial.</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
1 .05 MFD.	High side to Pin 4 (grid) 6SK7. Low side to chassis.	455KC	Tuning cap. fully open.	Across voice coil (voice coil socket on bottom of chassis.)	A1, A2	Adjust for maximum output.
2 .05 MFD.	High side to Pin 8 (grid) 6SA7. Low side to chassis.	"	"	Across voice coil	A3, A4, A1, A2.	" " " "
3 200MFD	High side to terminal "A" of ant. terminal strip. Low side to chassis.	150KC	5-11/16" from index mark.	"	A5	Adjust for maximum output. Trimmer opposite A5 is a factory adjustment and normally need not be adjusted.
4 200MFD	"	"	Tune for maximum output.	"	A6	Adjust for maximum output. Repeat Steps 3 & 4 until no further improvement can be made.

HOWARD W. SAMS & CO., INC.

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Indianapolis Indiana
DATE 1/48 SET #22 FOLDER #482-10
32

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.

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.

482-10

RESISTANCE READINGS IN THE B+ CIRCUITS MAY VARY WIDELY ACCORDING TO THE CONDITION OF THE FILTER CAPACITORS

DATA WITH VACUUM TUBE VOLTMETER

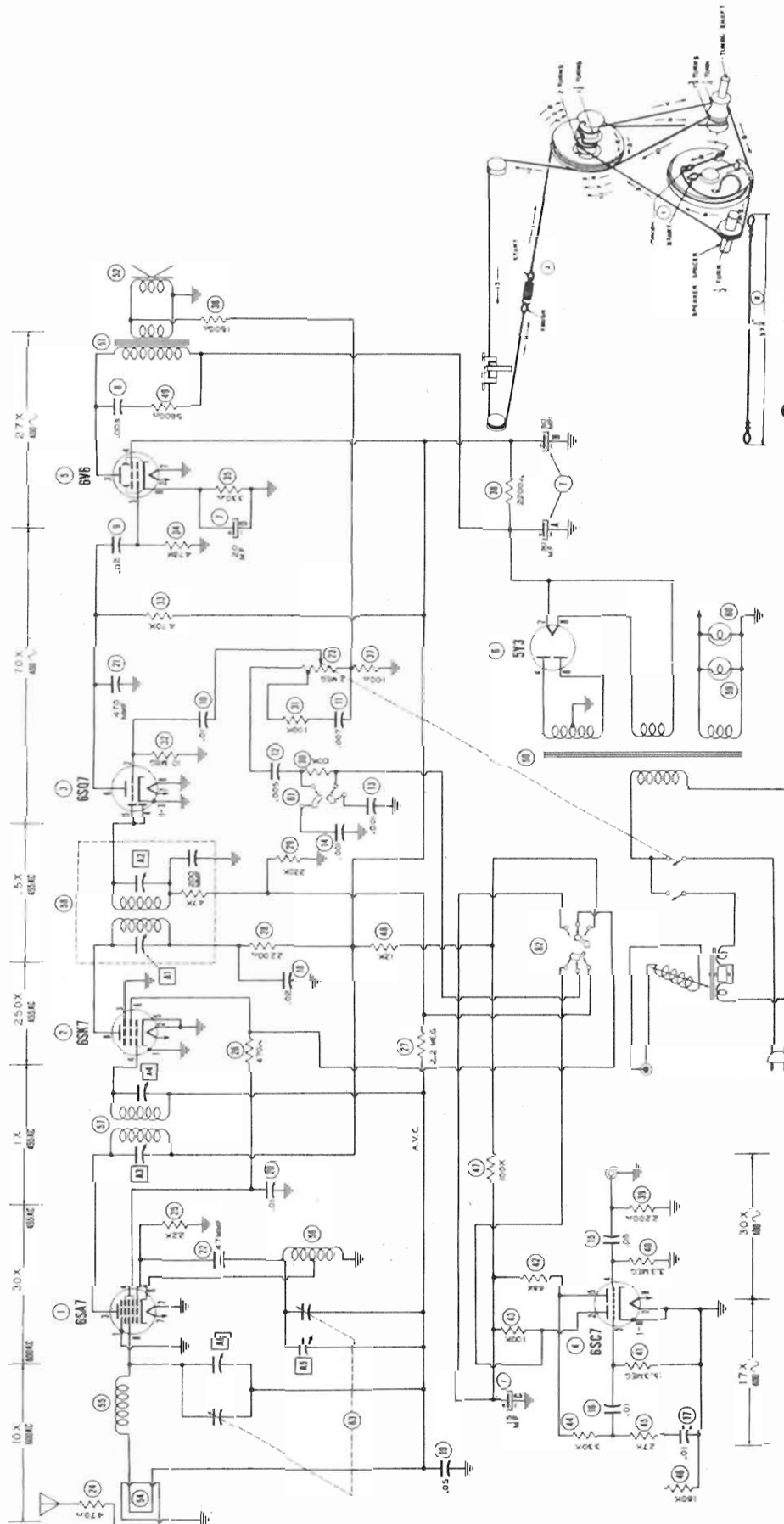
THE COOPERATION OF THE MANUFACTURER OF THIS RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

A PHOTOFACT STANDARD NOTATION SCHEMATIC
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Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1 6SA7	100K	100K	100K	100K	100K	100K	100K	100K
2 6SK7	100K	100K	100K	100K	100K	100K	100K	100K
3 6SQ7	100K	100K	100K	100K	100K	100K	100K	100K
4 6V6GT	100K	100K	100K	100K	100K	100K	100K	100K
5 5Y3GT	100K	100K	100K	100K	100K	100K	100K	100K
6 6V6GT	100K	100K	100K	100K	100K	100K	100K	100K

Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1 6SA7	100K	100K	100K	100K	100K	100K	100K	100K
2 6SK7	100K	100K	100K	100K	100K	100K	100K	100K
3 6SQ7	100K	100K	100K	100K	100K	100K	100K	100K
4 6V6GT	100K	100K	100K	100K	100K	100K	100K	100K
5 5Y3GT	100K	100K	100K	100K	100K	100K	100K	100K
6 6V6GT	100K	100K	100K	100K	100K	100K	100K	100K

IF = 455KC



GEN. ELECT.
MODEL 304

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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.

CONTROLS

RESISTORS

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (POWER)

TD TRANSFORMER (OUTPUT)

SPEAKER

RF COILS

DIAL LIGHT

MISCELLANEOUS

GEN. ELECT.
MODEL 304

