VOLTAGE READINGS

DATE	TIME	LOCATION	WIND	TEMP	REL. HUM.	SEA	WAVE	WIND	TEMP	REL. HUM.	SEA	WAVE
10/10/55	11:00	1000	10	15	85	1	1	10	15	85	1	1

RESISTANCE TRAINING

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

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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4819-9

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.

**GLOBE
MODEL 85**



TUNING CONTROL

GLOBE MODEL 85

TRADE NAME		Model 85				
MANUFACTURER		Globe Electronics, Inc., 225 W. 17th St., New York, N.Y.				
TYPE SET		AC Operated Superheterodyne Receiver with Electric Clock				
TUBES (FIVE)		Types, 12BE6, Converter, 12BA6 IF Amp., 12AT6 Det.-AVC-AF, 50B5 Power Output,, 35W4 Rectifier.				
POWER SUPPLY		110-120 Volts AC				
TUNING RANGE—BROADCAST		540-1600KC		RATING		.24 Amp. @ 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 for adjusting.						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
.1 MFD.	High side to Pin 7 (grid) of 12BE6. 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.
	Loop	1600KC	"	"	A5	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
	"	1400KC	Tune for maximum output.	"	A6	Adjust for maximum output.

HOWARD W. SAMS & CO., INC.

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Indianapolis Indiana

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DATE 11/48-14819-9 SET 149-FOLDER #9

PARTS LIST AND DESCRIPTIONS
TUBES (SYLVANIA or Equivalent)

GLOBE
MODEL 85

ITEM No.	USE	REPLACEMENT DATA			INSTALLATION NOTES
		GLOBE PART No.	STANDARD REPLACEMENT	RMA BASE TYPE	
1	Converter	12B18	12B18	7CH	
2	IF Amp.	12BA6	12BA6	7BK	
3	Det.-AVC-Audio	12AT6	12AT6	7BT	
4	Power Output	50B5	50B5	7B2	
5	Rectifier	35M4	35M4	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	REPLACEMENT DATA				IDENTIFICATION CODES AND INSTALLATION NOTES
		GLOBE PART No.	AEROVOX PART No.	CORNELL- DUBILIER PART No.	SOLAR PART No.	
6A	50 CAP.		4F10100	UP4415	DY-2X50-150	EL25
7	150		484-05	DP285	ST-4-05	TC-15
8	100		484-02	DP285	ST-4-02	TC-12
9	150		484-02	DP285	ST-4-02	TC-12
10	150		484-02	DP285	ST-4-02	TC-12
11	150		484-02	DP285	ST-4-02	TC-12
12	150		484-02	DP285	ST-4-02	TC-12
13	150		484-02	DP285	ST-4-02	TC-12
14	150		484-02	DP285	ST-4-02	TC-12
15	150		484-02	DP285	ST-4-02	TC-12

CONTROLS

ITEM No.	RATING	REPLACEMENT DATA			INSTALLATION NOTES
		GLOBE PART No.	IRC PART No.	CLAROSTAT PART No.	
16A	1000W P. Switch		D13-133 A	Y-60-2 Not Req.	Volume Control Attach to 16A per instructions

RESISTORS

ITEM No.	RATING	REPLACEMENT DATA			IDENTIFICATION CODES
		GLOBE PART No.	IRC PART No.	BTB-1.5 Meg.	
17	1.5 Meg.			BTB-1.5 Meg.	Br.-Orn.-Orn. Conv. Grid
18	22K			BTB-22K	Red-Red-Or. Osc. Grid
19	3.3 Meg.			BTB-3.3 Meg.	Or.-Or.-Orn. AVC Network
20	100K			BTB-100K	Br.-Vl.-Br. IF Cathode
21	100K			BTB-100K	Br.-Vl.-Br. Blue AF Grid
22	470K			BTB-470K	Br.-Vl.-Vl. A Plate
23	470K			BTB-470K	Br.-Vl.-Vl. A Plate
24	1700			BTB-1700	Br.-Vl.-Br. Output Grid
25	1200			BTB-1200	Br.-Vl.-Br. Output Cathode

PARTS LIST AND DESCRIPTIONS (Continued)
TRANSFORMER (OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA			INSTALLATION NOTES
	IMPEDANCE	DC RES.	PRI.	SEC.	GLOBE PART No.	STANCOR PART No.	THORDARN PART No.	
26	17000	3.30	1190	450	21A824	A-3876	722845	A-2928

SPEAKER

ITEM No.	RATINGS	REPLACEMENT DATA			INSTALLATION NOTES
		GLOBE PART No.	JENSEN PART No.	QUAM PART No.	
27	VC. 100W.				
28	VC. 100W.				

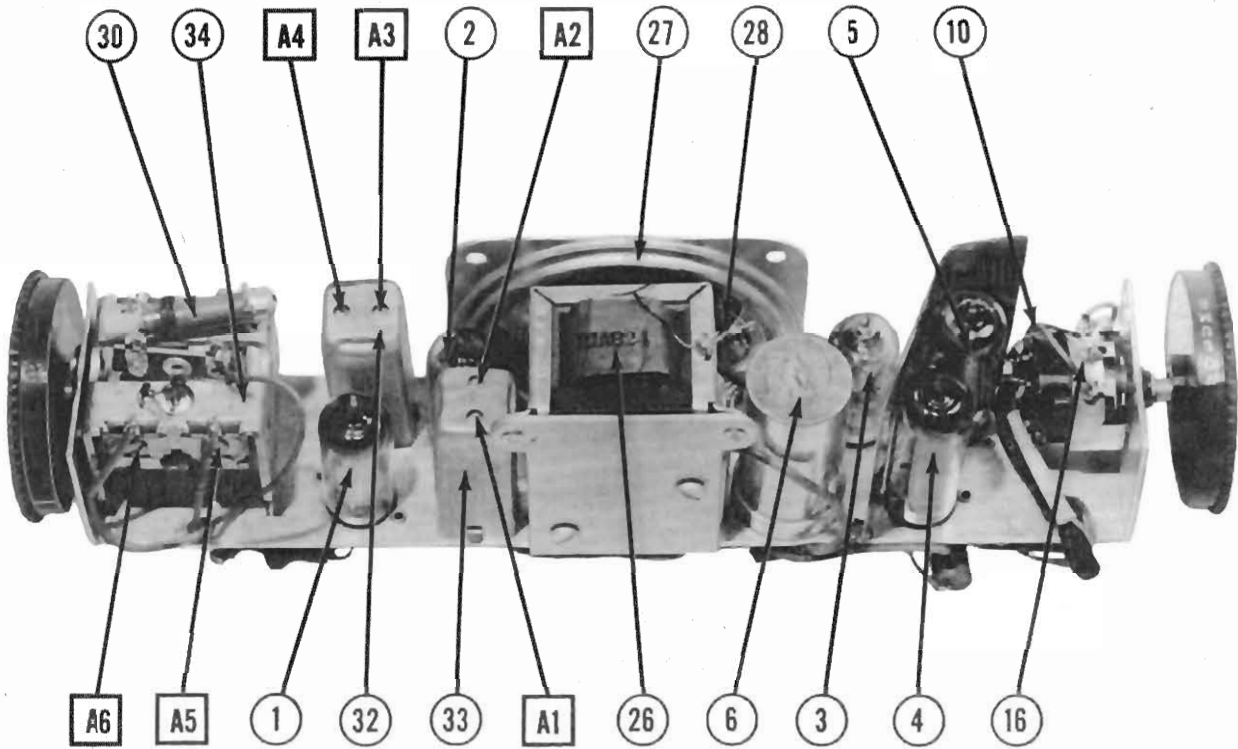
R F COILS

ITEM No.	USE	REPLACEMENT DATA			INSTALLATION NOTES
		DC RES.	GLOBE PART No.	MEISSNER PART No.	
29	Loop Ant.				
30	Loop Load.				
31	Coil				
32	Input IF				
33	Output IF				

MISCELLANEOUS

ITEM No.	PART NAME	GLOBE PART No.	NOTES
34	2 Baffle Var. Cap		(2A-37RMP, 28-1000P)

CHASSIS—TOP VIEW



CHASSIS—BOTTOM VIEW

