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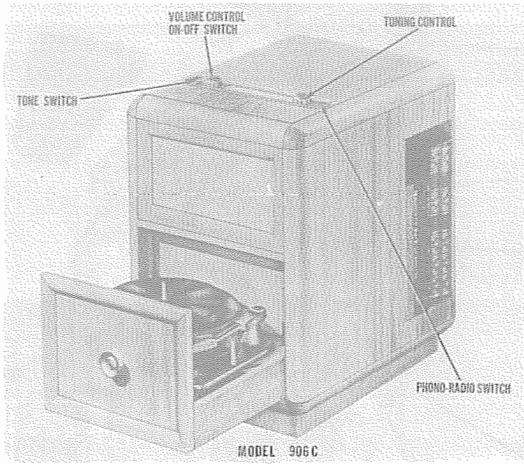
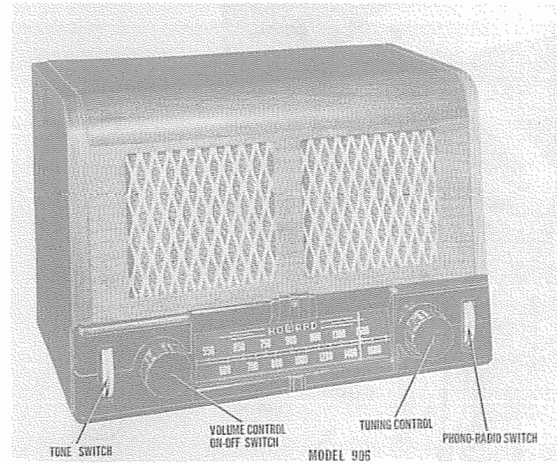
RESISTANCE READINGS IN THE R-C CIRCUITS MAY VARY WIDELY ACCORDING TO THE CONDITION OF THE FILTER CAPACITORS

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	6SK7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	6SA7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	6SK7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	6SK7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	6SK7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	6SK7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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.

HOWARD
MODELS 906, 906C



TRADE NAME		Howard, Model 906 (Table Model), 906C (Chairside Model with Automatic Changer)	
MANUFACTURER		Howard Radio Co., 1735 Belmont Ave., Chicago 13, Ill.	
TYPE SET		AC Operated Superheterodyne (Model 906 with Phono Provisions-906C with Auto. Changer)	
TUBES (SIX)		Types, 6SK7 RF Amp., 6SA7 Converter, 6SK7GT IF Amp., 6SQ7 Det.-AVC-AF, 6V6GT/G Power Output, 5Y3GT Rectifier.	
POWER SUPPLY		110-120 Volts AC	
TUNING RANGE—BROADCAST		535-1650KC	RATING .550 Amp. @ 117 Volts AC

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT						
To set pointer, turn tuning capacitor fully closed and set pointer to last reference mark at low frequency end of dial. When aligning receiver connect loop to receiver through extended leads. Volume control at maximum position. Output of signal generator should be no higher than necessary to obtain output reading. Use an insulated alignment screwdriver for adjusting.						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
.05 MFD	High side to Pin 8 (grid) of 6SA7. Low side to chassis.	455KC	Tuning cap. open.	Across voice coil	A1,A2, A3,A4.	Adjust for maximum output.
.05 MFD	High side to ext. ant. lug. Low side to chassis.	"	Tuning cap. closed.	"	A5	Adjust for minimum output.
400Ω	"	1400KC	1400KC	"	A6	Adjust for maximum output.
400Ω	"	"	Tune for maximum output.	"	A7	" " " "

DISASSEMBLY INSTRUCTIONS (MODEL 906C)

Take knobs off volume control and tuning control by loosening set screws. Remove the wood screws that are located inside the record storage space at the top rear of cabinet. The entire top wood panel lifts out by pushing upward inside the storage space one inch, and then remove panel by lifting to the rear of the cabinet. After the panel is removed, it is easy to see the mounting bolts that hold the chassis.

TO REMOVE DRAWER

Pull the drawer out to its full extremity. Place your hands (one on each side) beneath the drawer about 3 inches from the back and feel along the track until you hit two little metal flaps that are the stops for the drawer. Lift these up with your index fingers and the drawer can then be pulled right out of the cabinet.

HOWARD W. SAMS & CO., INC. Indianapolis Indiana

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HOWARD
MODELS 906, 906C

#17-18

PARTS LIST AND DESCRIPTIONS
 TUBES (SYLVANIA or Equivalent)

HOWARD
 MODEL 906, 906C

ITEM No.	USE	REPLACEMENT DATA			INSTALLATION NOTES
		HOWARD PART No.	STANDARD REPLACEMENT	RMA BASE TYPE	
1	RF Amp.	6SK7	6SK7	8N	
2	Converter	6SA7	6SK7GT	8N	
3	IF Amp.	6SK7GT	6SK7GT	8N	
4	Det.-AVC-AF	6S07	6S07	8Q	
5	Power Output	6V6GT/G	6V6GT/G	7AC	
6	Rectifier	5Y3GT	5Y3GT	5T	

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
		HOWARD PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SOLAR PART No.
7A	CAP. 450	CE-0009	AF44A/4A	UP9DU53T	PF346	DY-313
7B	20					
7C	25					
8	.002		484-05	DT455	TP426	S-4-05
9	.006		484-02	DT455	TP426	S-6-02
10	.006		484-06	DT455	TP426	S-6-06
11	.01		684-01	DT455	TP410	S-6-01
12	.01		684-01	DT455	TP410	S-6-01
13	.05		484-05	DT455	TP426	S-4-05
14	.1		684-1	DT455	TP426	S-6-1
15	.1		484-1	DT455	TP426	S-4-1
16	.1		484-1	DT455	TP426	S-4-1
17	.05		484-05	DT455	TP426	S-4-05
18	.05		484-05	DT455	TP426	S-4-05
19	100		1468-0003	5N5T3	HC241	MO.5-33
20	100		1468-0001	5N5T1	HC235	MO.5-31
21	50		1468-0001	5N5T1	HC235	MO.5-31
22	500		1468-0005	5N5T5	HC245	MO.5-45
23	5		1468-0005	5N5T5	HC241	MO.5-33
24	300		1468-0003	5N5T3	HC241	MO.5-33

Do not use one 10MFD section.

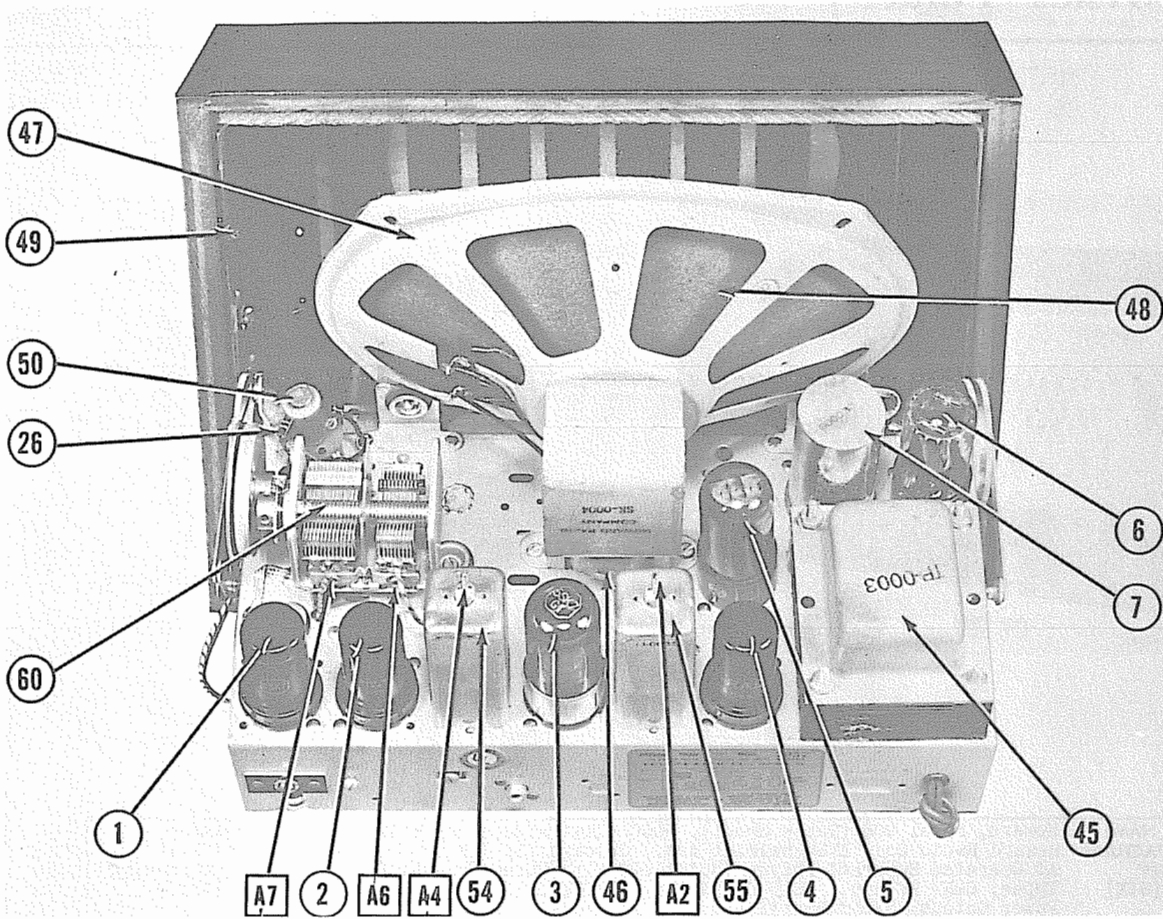
CONTROLS

ITEM No.	RATING	REPLACEMENT DATA				INSTALLATION NOTES
		HOWARD PART No.	MALLORY PART No.	IRC PART No.	CLAROSTAT PART No.	
25A	RESIST. 500K	{VC00005}	NE48	D13-133	N-60-2	Vol. Control
B	Switch	Not Req.	Not Req.	A	Not Req.	
C	Switch	Not Req.	NE5	41	SW-A	Attach to 25A per instructions

RESISTORS

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES
		HOWARD PART No.	IRC PART No.	
26	2200Ω		BTS-2200	Red-Red-Red Series Ant.
27	47K		BTS-470	Yl.-Vi.-Br. RF Cathode
28	10K		BTS-10K	Br.-Blk.-Grn. RF Grid
29	10K		BTS-10K	Br.-Blk.-Grn. RF Plate Load
30	1 Meg.		BTS-1 Meg.	Br.-Blk.-Or. RF Plate Load
31	1 Meg.		BTS-1 Meg.	Br.-Blk.-Grn. Converter Grid
32	22K		BTS-22K	Red-Red-Or. Oscillator Grid
33	470Ω		BTS-470	Yl.-Vi.-Br. IF Cathode
34	15K		BTS-15K	Br.-Grn.-Or. Screen Dropping
35	2-2 Meg.		BTS-2-2 Meg.	Red-Red-Grn. AVC Network
36	47K		BTS-47K	Yl.-Vi.-Or. Diode RF Filter
37	10 Meg.		BTS-10 Meg.	Br.-Blk.-Blue AF Grid
38	220K		BTS-220K	Red-Red-Yl. AF Plate Load
39	470K		BTS-470K	Yl.-Vi.-Yl. Output Grid
40	10K		BW-1-330	Or.-Or.-Br. Output Cathode
41	2200Ω		BTS-2200	Red-Red-Red Filter
42	68K		BTS-68K	Blue-Gray-Or. Tone Compensation
43	22		BW-1-2.2	Red-Blk.-Gold Series Pilot Light

CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTIONS (Continued)

FILTER CHOKE

ITEM NO.	TOTAL DIRECT CURRENT	RATINGS			REPLACEMENT DATA			INSTALLATION NOTES
		D. C. RESISTANCE	INDUCTANCE (1000-μ)	HOWARD PART NO.	STANCOR PART NO.	THORNDARSON PART NO.		
44	.026A	470Ω	8 Henries	LC0010	C-1708*	T20C52*	*Drill new mounting holes	

TRANSFORMER (POWER)

ITEM No.	RATING	REPLACEMENT DATA			INSTALLATION NOTES
		HOWARD PART No.	STANCOR PART No.	THORNDARN PART No.	
45	117V AC 600V CT 5.1V AC 6.4V AC @ .53A @ .067A @ 1.8A @ 2.0A		TP-0003	F-6120	T22R04

TRANSFORMER (OUTPUT)

ITEM No.	RATING	REPLACEMENT DATA			INSTALLATION NOTES
		HOWARD PART No.	STANCOR PART No.	THORNDARN PART No.	
46	IMPEDANCE 3.6Ω DC RES. PRI. SEC. 1 SEC. 2 SEC. 3	TO-0006	A-3879†	T22S47†	†Drill one new mounting hole.

SPEAKER

ITEM No.	RATINGS	REPLACEMENT DATA		INSTALLATION NOTES
		HOWARD PART No.	JENSEN PART No.	
47	FIELD PH. 3.69	SK-0004		
48	CONE DIA. 7/8" x 1/8"	NOT READILY REPLACEABLE-USE COMPLETE SPEAKER UNIT		

R F COILS

ITEM No.	USE	REPLACEMENT DATA		INSTALLATION NOTES
		HOWARD PART No.	MEISSNER PART No.	
49A	Loop Ant.	.52	AN-0005	Used in Model 906 906C
50	Loop Ant.	2.32	LA-0007	
51	RF Coil	16Ω	IR-0002	
52	Wave Trap	72Ω	IR-0001	
53	Osc. Coil	38Ω	LI-0014	
54	Input IF	14Ω	LI-0014	
55	Output IF	23Ω	LI-0015	

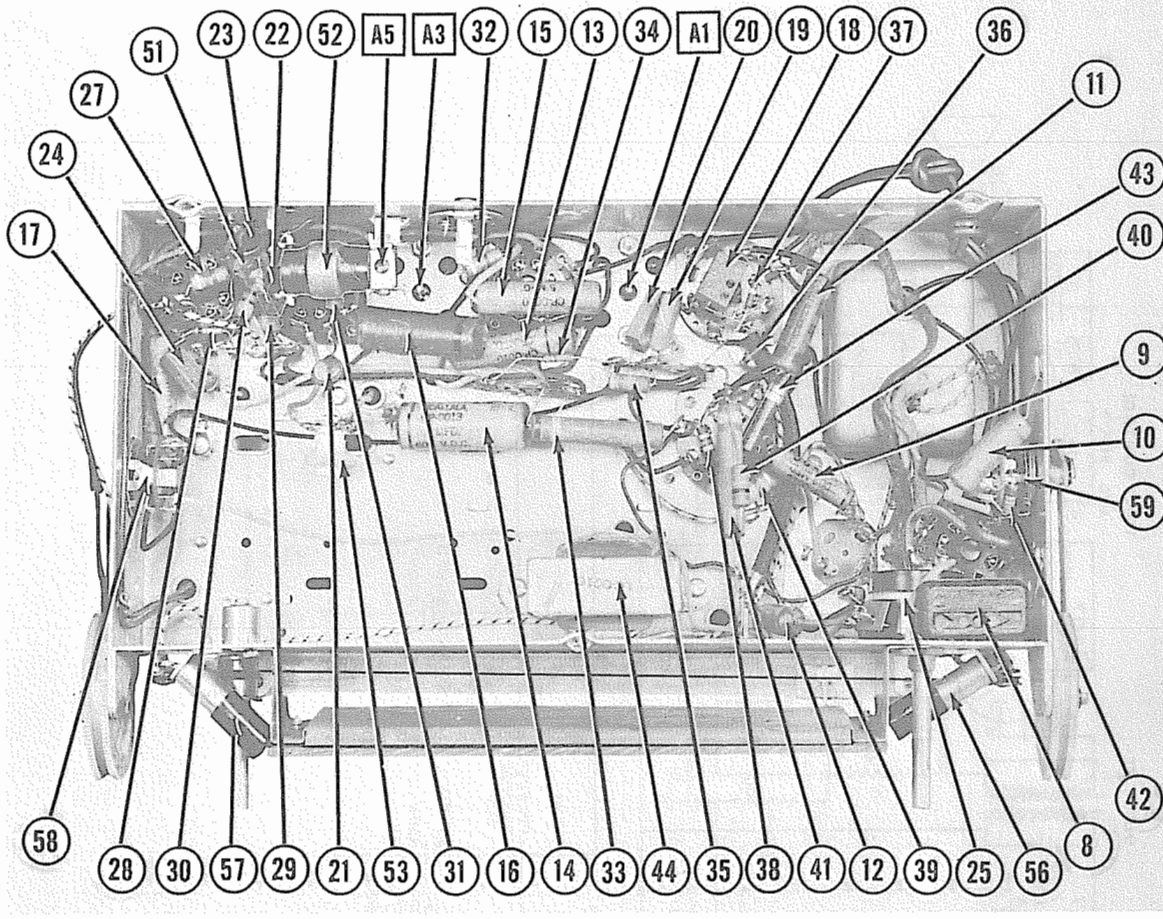
DIAL LIGHT

ITEM No.	BASE TYPE	VOLTS	AMPS.	REPLACEMENT DATA		INSTALLATION NOTES
				BEAD COLOR	HOWARD PART No.	
56	Bayonet	6-8	0.15	Brown		
57		6-8	0.15			Type 47

MISCELLANEOUS

ITEM No.	PART NAME	HOWARD PART No.	NOTES
58	Radio-Phono Sw.	SA-0008	DPDT
59	Tone Switch	SW-0010	3 Position
60	2 Gang Var. Cap	AC-0004	28-476 MUF, 32-194 MUF

CHASSIS—BOTTOM VIEW



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