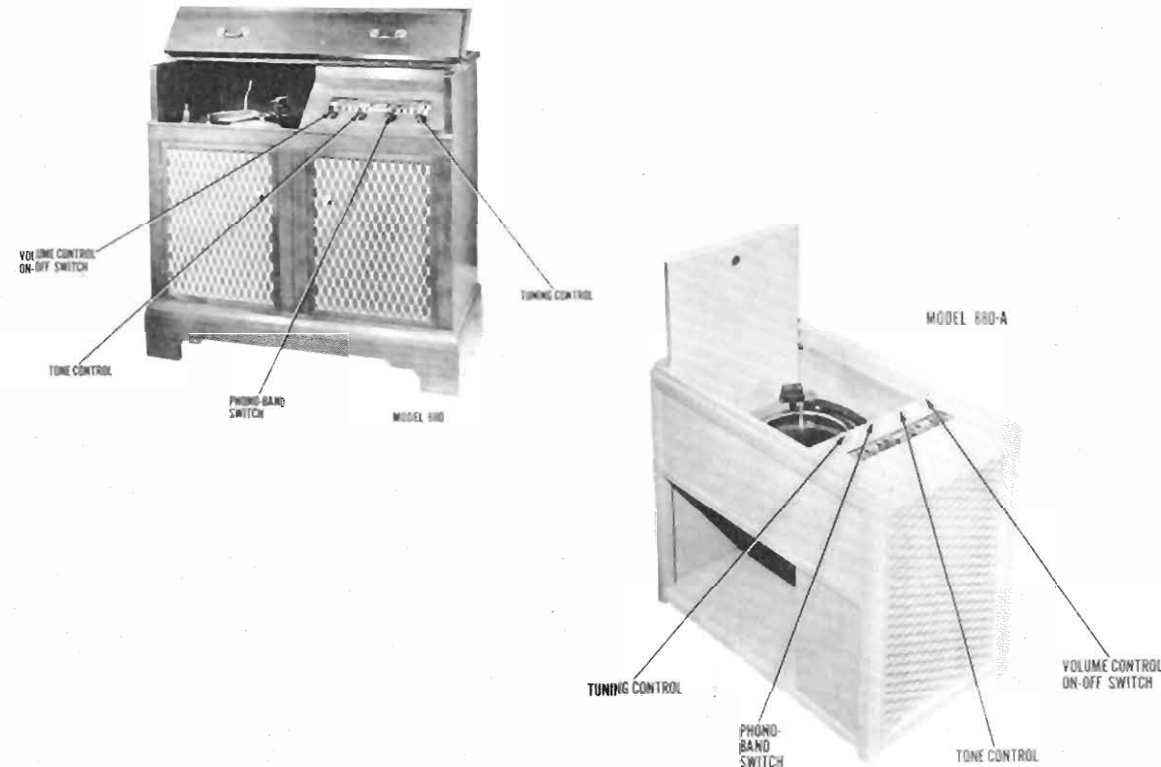


1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms per volt.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance on component 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.

PHOTOFACT\* Folder

PACKARD-BELL MODELS  
673A, 673B, 880, 880A



PACKARD-BELL MODELS  
673A, 673B, 880, 880A

TRADE NAME MANUFACTURER TYPE SET TUBES (EIGHT)		Packard-Bell, Models 673A, 673B, 880, 880A Packard-Bell Co., 3443 Wilshire Blvd., Los Angeles, Calif. AC Operated Combination Phono-Radio Superheterodyne Receiver with Loop Antenna Types, 6SK7 RF Amp., 6SA7 Mixer, 6J5 Oscillator, 6SK7 IF Amp., 6J5 Det.-AVC, 6SK7 AF Amp., 6V6GT Power Output, 5Y3GT Rectifier.				
POWER SUPPLY TUNING RANGE—BROADCAST		110-120 Volts AC 540-1620KC		RATING .45 Amp. @ 117 Volts 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. Volume control 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
.01 MFD	High side to Pin 8 (grid) of 6SA7. Low side to chassis.	455KC	Tuning cap. fully closed.	Across voice coil	A1,A2, A3,A4.	Adjust for maximum output. Reinstall receiver in cabinet.
	Loop	1620KC	Tuning cap. fully open.	"	A5	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
	"	600KC	Tune for maximum output.	"	A6	Rock tuning cap. and adjust for maximum output.
	"	1500KC	"	"	A7,A8	Adjust for maximum output. Repeat Steps 2, 3 and 4 until no further improvement can be made.

DISASSEMBLY NOTE: To remove Model 880 chassis from cabinet, remove one machine screw located at front of record changer compartment. Remove two machine screws located at rear of chassis. Remove chassis from cabinet.

HOWARD W. SAMS & CO., INC. • 2924 East Washington Street • Indianapolis 7, Indiana

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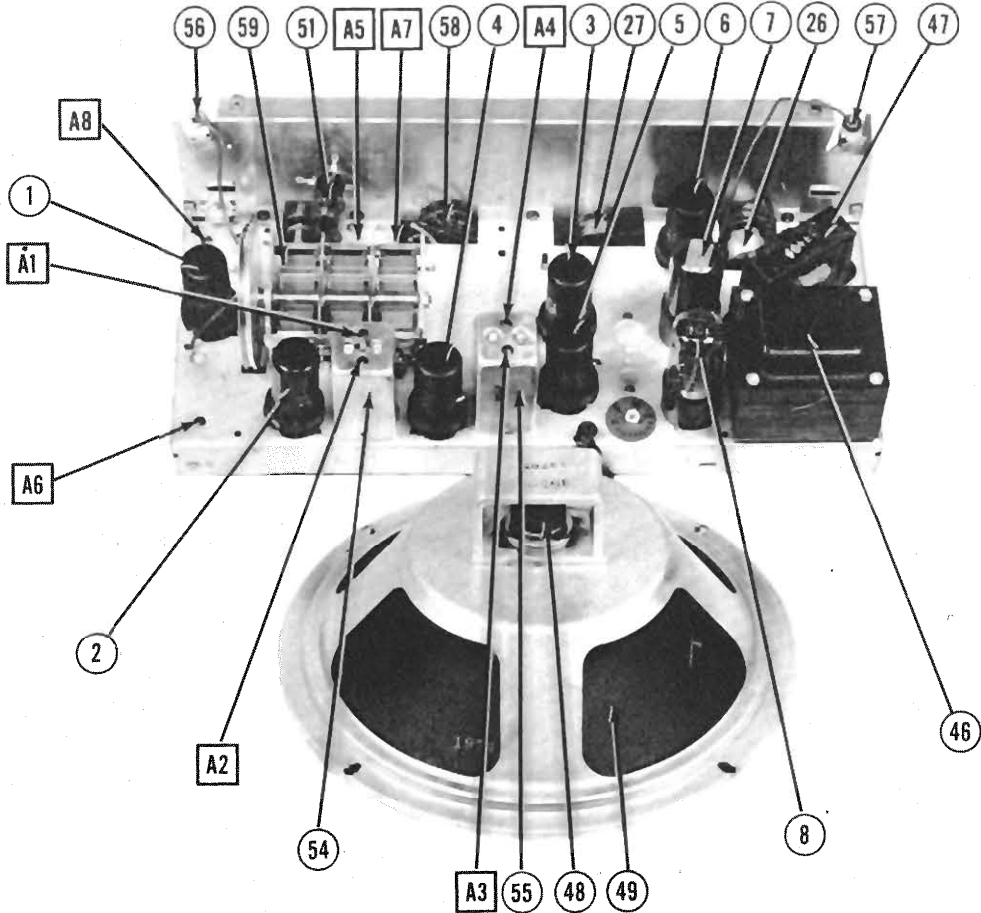
Printed in U. S. of America  
DATE 9/48-#4816-18 SET #46-FOLDER #18

PACKARD-BELL MODELS  
673A, 673B, 880, 880A

PARTS LIST AND DESCRIPTIONS  
 TUBES (SYLVANIA or Equivalent)

PACKARD-BELL MODELS  
 673A, 673B, 680, 680A

CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTIONS (Continued)  
 RESISTORS

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES
		PACKARD-BELL PART No.	IRC PART No.	
43	500Ω	73008	73008	
44	2000Ω	73014	73014	
45	150Ω	73081	73081	
46	100Ω	73081	73081	

\*Items 21A, 21B & 35 are combined in one unit.

TRANSFORMER (POWER)

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES
		PACKARD-BELL PART No.	THORABSON PART No.	
46	117V AC 150W CT 4.7V AC 16.0V AC 60-45A 1.06A DC 2.0A W 2.2A	85016	P-6119#	P-2851#

#Add series resistor to reduce plate voltage.

TRANSFORMER (OUTPUT)

ITEM No.	RATING	REPLACEMENT DATA		INSTALLATION NOTES
		PACKARD-BELL PART No.	THORABSON PART No.	
47	4000Ω 3.1Ω 800Ω .8Ω	85405	A-38771	A-28301 1Drill one new mounting hole.

SPEAKER

ITEM No.	RATINGS	REPLACEMENT DATA		INSTALLATION NOTES
		PACKARD-BELL PART No.	QUAM PART No.	
48	FIELD VC IMP. 8-12	85703	10431	#Replace output transformer to match 8-12 voice coil.
49	CONV DIA. 9/16"			

R F COILS

ITEM No.	USE	REPLACEMENT DATA		INSTALLATION NOTES
		PACKARD-BELL PART No.	MESSNER PART No.	
50	Loop Antenna	92164	14-1057	
51	Ant Coil	5-43	2040C-B	
52	RF Coil	882	2010C-F	
53	RF Coil	19	2020C-C	
54	Output IF	17-24	23004-E	
55	Output IF	219	23007	

DIAL LIGHT

ITEM No.	BASE TYPE	VOLTS	AMPS	REPLACEMENT DATA		INSTALLATION NOTES
				READ COLOR	PACKARD-BELL PART No.	
56	Bayonet	6-8	0.25	Blue	54001	Type 44
57			0.25		54001	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
58	Switch	88008	Radio-Photo
59	3 Gang Var. Cap.	23020	(30-400PFS) each section
A5	Trimmer Strip	23401	Ant. Adj.
A7	Trimmer	23406	RF Adj.
	Dial	23408	Ant. Adj.
	Knob	52015G	Ant. Adj.

PACKARD-BELL MODELS  
 673A, 673B, 680, 680A

PACKARD-BELL NO. 15  
 673A, 673B, 680, 680A

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
		PACKARD-BELL PART No.	CORNELL-DUBILIER PART No.	
9	20 350	24003	BR2045	Filter
10	20 350	24003	BR2045	Filter
11	10 350	23004	BR2045	Output Plate Bypass
12	10 350	23007	BR2045	Audio Coupling
13	10 350	23007	BR2045	Audio Coupling
14	10 350	23007	BR2045	Audio Coupling
15	10 350	23007	BR2045	Audio Coupling
16	10 350	23007	BR2045	Audio Coupling
17	10 350	23007	BR2045	Audio Coupling
18	10 350	23007	BR2045	Audio Coupling
19	10 350	23007	BR2045	Audio Coupling
20	10 350	23007	BR2045	Audio Coupling
21	10 350	23007	BR2045	Audio Coupling
22	10 350	23007	BR2045	Audio Coupling
23	10 350	23007	BR2045	Audio Coupling
24	10 350	23007	BR2045	Audio Coupling
25	10 350	23007	BR2045	Audio Coupling

\*Item 21A, 21B and 35 are combined in one unit.

CONTROLS

ITEM No.	RATING	REPLACEMENT DATA		INSTALLATION NOTES
		PACKARD-BELL PART No.	CLAROSTAT PART No.	
26A	1 Meg.	25010B	T-108	Volume Control tapped @ 200KΩ
27A	5 Meg.	25010C	A	Attach to 20A per instructions
28A	5 Meg.	25010C	A	Tune Control
29A	5 Meg.	25010C	A	Attach to 27A per instructions

RESISTORS

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES
		PACKARD-BELL PART No.	IRC PART No.	
29	500Ω	73008	73008	Red-Red-Grn. RF Grid
30	500Ω	73008	73008	Or-White-Blk. RF Cathode
31	500Ω	73008	73008	Red-Red-Grn. Mixer Grid
32	500Ω	73008	73008	Or-Blk.-Br. Mixer Cathode
33	500Ω	73008	73008	Red-Red-Grn. Osc. Grid
34	500Ω	73008	73008	Br-Blk.-Grn. AVC Network
35	500Ω	73008	73008	Or-White-Br. IF Cathode
36	500Ω	73008	73008	Diode Filter-See Note
37	500Ω	73008	73008	Br-Blk.-Or. Voltage Dropping
38	500Ω	73008	73008	Yl.-Vi.-Or. AF Screen
39	500Ω	73008	73008	Or-White-Blk. AF Cathode
40	500Ω	73008	73008	Br-Blk.-Grn. AF Screen Decoupling
41	500Ω	73008	73008	Red-Red-Yl. AF Plate Load
42	500Ω	73008	73008	Yl.-Vi.-Yl. Output Grid