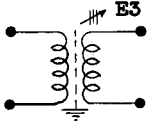
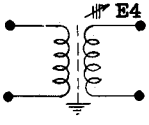
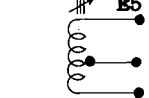
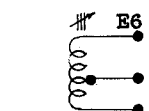
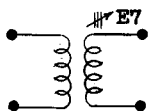
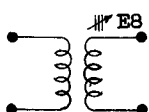
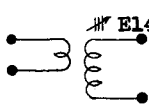
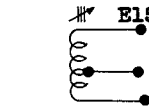
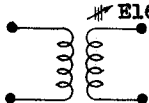


Figure 23 Resistor Terminal Strip Detail Drawings

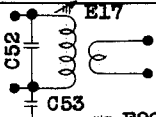
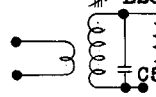
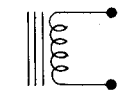

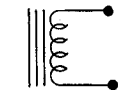
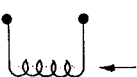

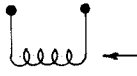
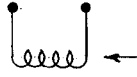

Model 800-B Radio-Phonograph

Table 4 Coil Data

Symbol Desig.	Diagram	Description	DC Resis. Ohms
L1 L2		AM Broadcast band antenna primary coil. Part No. 20B604 AM Broadcast band antenna secondary coil. Part No. 20B605 Electrostatic shield is separate unit.	14.5 7.5
L3 L4		AM Shortwave band antenna primary coil. Part No. 20B608 AM Shortwave band antenna secondary coil. Part No. 20B609 Electrostatic shield is separate unit.	.45 .07
L5		AM Broadcast band oscillator coil Part No. 20B607	Start to tap .6 Total 3
L6		AM Shortwave band oscillator coil Part No. 20B611	Start to tap .03 Total .07
L7		AM Broadcast band mixer coil Part No. 20B606	Pri. 2.5 Sec. 7.5
L8		AM Shortwave band mixer coil Part No. 20B610	Pri. .1 Sec. .07
L9		FM Antenna coil Part No. 20B612	Pri. .04 Sec. .015
L10		FM Oscillator coil Part No. 20B614	Total.017
L11		FM Mixer coil Part No. 20B613	Pri. .07 Sec. .015

Model 800-B Radio-Phonograph

Table 4 Coil Data (Continued)

Symbol Desig.	Diagram	Description	DC Resis. Ohms
L12		1st FM-IF primary coil Part No. 20B618	Pri. .18 Sec. .06
L13		1st FM-IF secondary coil Part No. 20B619	Pri. .06 Sec. .18
L14		Bass boost choke 11 H @ 1000 CPS no DC. Laminated iron core - potted Part No. 17B591	230
L15 L16		RF choke, 2 uH @ 1000 CPS, no DC Part No. 17B761	.15
L17 L25		Filter reactor, 5 H @ 10 V 60 CPS with 220 MA DC, laminated iron core, potted. Part No. 17B492	82
L18 L19		FM-AM relay coil - operates on 10 V 60 CPS, used on all receivers to Serial 2000. Part No. 20B707	2
L18 L19		FM-AM relay coil - operates on 24 V 60 CPS, used on receivers after Serial 2000. Part No. 20B982	14
L20 L21		AC power ON-OFF relay, operates on 24 V 60 CPS, used on receivers to Serial 2000. Part No. 20B719	16
L20 L21		AC power ON-OFF relay, operates on 22 V 60 CPS, used on receivers after Serial 2000. Part No. 20B977	23
L22 L23 L24		Muting relay coil, operates on 2.4 V 60 CPS. Relay assembly Part No. 69B958	

Model 800-B Radio-Phonograph

Table 4 Coil Data (Continued)

Symbol Desig.	Diagram	Description	DC Resis. Ohms
T1		1st AM-IF transformer, 455 KC, adjustable iron core on primary and secondary. Part No. 20B615	Pri. 5 Sec. 4.8 Ter. .3
T2		2nd AM-IF transformer, 455 KC, adjustable iron core on primary and secondary. Part No. 20B616	Pri. 5.2 Sec. 4.8 Ter. .3
T3		3rd AM-IF transformer, 455 KC, diode coupling transformer, adjust- able iron core for primary. Part No. 20B617	Pri. 11.5 Sec. 16.5
T4		2nd FM-IF transformer, 10.7 MC, adjustable iron core primary and secondary. Part No. 20B620	Pri. .26 Sec. .26
T5		3rd FM-IF transformer, 10.7 MC adjustable iron core primary and secondary. Part No. 20B621	Pri. .26 Sec. .26
T6		4th FM-IF transformer, 10.7 MC adjustable iron core primary and secondary. Part No. 20B622	Pri. .26 Sec. .26

Model 800-B Radio-Phonograph

Table 4 Coil Data (Continued)

Symbol Desig.	Diagram	Description	DC Resis. Ohms
T7		FM discriminator transformer, 10.7 MC adjustable air trimmers primary and secondary. Part No. 20B623	Pri. .7 Sec. 1.3
T8		Output transformer, primary 9000 ohms @ 1000 CPS, 100 MA DC, Brown-red-brown Secondary, 16 ohms tapped at 8 ohms, 25 watts, common-black, 8 ohm black-yellow, 16 ohm yellow. Part No. 91B664	Pri. 300 Total Sec. Total .85 Sec. Tap .5
T9		Power transformer, primary - 120 V, 50-60 CPS, white and black Sec.1 - 5 V @ 4 A, blue and blue Sec.2 - 390-390 V @ 210 MA, red-red yellow-red Sec.3 - 6.3 V @ 4 A, yellow and yellow Sec.4 - 6.6 V @ 4.6 A, green and green Electrostatic shield between primary and secondaries. Part No. 91B429	Pri. 1.0 Sec.1 .7 Sec.2 68 Sec.3 .8 Sec.4 .8
T10		Pushbutton tuning system transformer Primary - 117 V 50-60 CPS, for intermittent duty Secondary - 46 V @ 2 A tapped at 36 V and 24 V Part No. 91B694	Pri. 8.2 Sec. Total 2.5 36 V Tap 2.1 24 V Tap 1.25

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
CAPACITORS			
C1	BC Band ant. sec. trimmer	Capacitor, ceramic trimmer, 4-25 MMF, screwdriver adj.	15A21
C2	SW Band ant. sec. trimmer	Same as C1	
C3	V1, AM-RF amp. grid coupling	Capacitor, mica, 240 MMF, 10%, 500 V DC wkg., CM20 case, wire leads	15A31
C4	V1, AM-RF amp. cathode bypass	Capacitor, paper, .1/.1 MFD 20%, 600 V DC wkg., bathtub can, 2 lugs, can common	15B796
C4A	V1, AM-RF amp. cathode bypass		
C4B	V1, AM-RF amp. screen bypass		
C5	Main tuning capacitor	Capacitor, variable air, 3 gang in 4 gang frame, 2 sections per gang. Section 1: 21 plates, min. cap. 8.5 MMF, max. cap. 410.5 MMF. Section 2: 5 plates, min. cap. 6 MMF, max. cap. 26.4 MMF. Shaft: 3/8" dia. x 2 5/8" L at front - 3/8" dia. x 9/16" at rear	15B475
C5A1	AM-RF amp. tuning		
C5A2	FM-RF amp. tuning		
C5B1	AM-Osc. tuning		
C5B2	FM-Osc. tuning		
C5C1	AM-mixer tuning		
C5C2	FM-mixer tuning		
C6	BC Band osc. trimmer	Capacitor, variable air trimmer, 3-25 MMF 7 plates, 1/4" hex shaft 1/8" L with screwdriver adj. slot	15A18
*C7	BC Band osc. fixed padder	Capacitor, silver mica, 390 MMF 5%, 500 V DC wkg., CM20 case, wire leads	15B861
C8	BC Band osc. variable padder	Capacitor, variable air trimmer, 6-75 MMF, 19 plates, 1/4" hex shaft 1/8" L with screwdriver adj. slot	15A20
C9	SW Band osc. fixed padder	Capacitor, silver mica, 4700 MMF 5%, 500 V DC wkg., CM 35 case, wire leads	15B798
C10	SW Band osc. trimmer	Same as C6	
C11	V2, AM osc. grid coupling	Capacitor, silver mica, 51 MMF 5%, 500 V DC wkg, CM20 case, wire leads	15A28
C12	V2, AM osc. plate bypass	Capacitor, paper, .05 MFD +30-10%, 600 V DC wkg., metal tubular can, insulated wire leads	15B639
C13	AM-osc. temp. compensating	Capacitor, silver ceramic, 10 MMF plus or minus 1 MMF 500 V DC wkg., temp. coeff N-750	15B804
C14	V2 cathode to V3 osc. input grid	Same as C11	

* 470 MMF Part 15A32 after Serial 1500

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
CAPACITORS (Continued)			
C15	BC Band mixer trimmer	Same as C6	
C16	SW Band mixer trimmer	Same as C6	
C17	V3 grid coupling	Same as C3	
C18		Capacitor, paper, .1/.1/.1	15A10
C18A	V1 plate filter	MFD 20%, 600 V DC wkg.,	
C18B	V3 screen filter	bathtub can, 3 lugs, can	
C18C	V3 cathode bypass	common	
C19	V3 plate bypass	Capacitor, paper, .1 MFD +30-10%, 600 V DC wkg., metal tubular case, mtg. strap, insulated wire leads both ends	15A409
C20	T1 - 1st AM-IF primary tuning	Capacitor, silver mica, 220 MMF 5%, 500 V DC wkg., CM20 case, wire leads	15A30
C21	T1 - 1st AM-IF secondary tuning	Capacitor, silver mica, 240 MMF 5%, 500 V DC wkg., CM20 case, wire leads	15B602
C22	V4 grid return filter	Same as C12	
C23		Same as C18	
C23A	V4 cathode bypass		
C23B	V4 screen bypass		
C23C	V4 plate filter		
C24	T2 - 2nd AM-IF primary tuning	Same as C21	
C25	T2 - 2nd AM-IF secondary tuning	Same as C21	
C26		Same as C18	
C26A	V5 cathode bypass		
C26B	V5 screen bypass		
C26C	V5 plate filter		
C27	T3 - 3rd AM-IF primary tuning	Capacitor, silver mica, 100 MMF 5%, 500 V DC wkg., CM20 case, wire leads	15A428
C28	V6 diode return bypass	Capacitor, mica, 51 MMF 20% 500 V DC wkg., CM20 case, wire leads	15A27
C29		Capacitor, paper, .05/.05/.05	15B599
C29A	V6 - N.L. cathode filter	MFD 20%, 600 V DC wkg., bath- tub can, 3 lugs, can common	
C29B	AVC bypass		
C29C	AM tuning eye bypass		
C30	Volume control input coupling	Capacitor, paper, .02 MFD 20%, 600 V DC wkg., bathtub can, 2 lugs	15A12
C31	V9 - 1st AF amp. cathode bypass	Capacitor, electrolytic, 25 MFD, 25 V DC wkg., paper tubular case, wire leads	15B795
C32	V9 plate to V10 grid coupling	Same as C12	

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
CAPACITORS (Continued)			
C33 C33A C33B	V9 plate filter V10 plate filter	Capacitor, electrolytic, 20/20 MFD, 450 V DC wkg., bakelite case 1 3/8" dia. x 3 1/2" long, 3 wire leads, black common, mounts by 3/4-16 threaded bushing	15B745
C34 C35	V10 cathode bypass V10 plate coupling	Same as C31 Capacitor, paper, .05 MFD 20%, 600 V DC wkg., bath-tub can, 2 lugs	15A13
C36	Treble control series	Capacitor, mica, .01 MFD 20%, 500 V DC wkg., CM35 case, wire leads	15A41
C37	Tone control circuit series	Capacitor, paper, .5 MF 20%, 600 V DC wkg., bath-tub can, 2 lugs	15B636
C38	L9 - FM ant. secondary shunt	Capacitor, silver ceramic, 20 MMF 10%, 500 V DC wkg., insulated, wire leads	15B864
C39	L9 - FM ant. secondary trimmer	Same as C6	
C40	V11 - FM-RF amp. cathode bypass	Capacitor, mica, 390 MMF 10%, 500 V DC wkg., CM20 case, wire leads	15B799
C41	V11 - FM-RF amp. screen bypass	Same as C40	
C42	L10 - FM osc. coil shunt	Capacitor, silver ceramic, 10 MMF plus or minus 1 MMF 500 V DC wkg., insulated, wire leads	15A22
C43	L10 - FM osc. coil trimmer	Same as C6	
C44	V12 - FM osc. grid coupling	Same as C27	
C45	V13 - FM mixer cathode bypass	Same as C40	
C46	V12 - FM osc. plate bypass	Same as C40	
C47	V11 - FM-RF amp. plate filter	Same as C40	
C48	L11 - FM mixer coil shunt	Same as C42	
C49	L11 - FM mixer coil trimmer	Same as C6	
C50	V13 heater bypass	Same as C40	
C51	V13 screen bypass	Same as C40	
C52	L12 - 1st FM-IF primary tuning	Same as C27	

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
CAPACITORS (Continued)			
C53	V13 plate filter	Capacitor, mica, 6200 MMF 20%, 500 V DC wkg., CM35 case, wire leads	15A40
C54	L13 - 1st FM-IF secondary tuning	Same as C27	
C55	V14 cathode bypass	Same as C53	
C56	V14 heater bypass	Capacitor, mica .01 MFD 20% 300 V DC wkg., CM40 case, wire leads	15A427
C57	V14 screen bypass	Same as C53	
C58	V14 plate filter	Same as C53	
C59	T4 - 2nd FM-IF primary tuning	Same as C11	
C60	T4 - 2nd FM-IF secondary tuning	Same as C11	
C61	V15 grid coupling	Same as C11	
C62	V15 cathode bypass	Same as C53	
C63	V15 heater bypass	Same as C53	
C64	V15 screen bypass	Same as C53	
C65	V15 plate filter	Same as C53	
C66	T5 - 3rd FM-IF primary tuning	Same as C11	
C67	T5 - 3rd FM-IF secondary tuning	Same as C11	
C68	V16 grid coupling	Same as C11	
C69	V16 heater bypass	Same as C53	
C70	V16 screen bypass	Same as C53	
C71	V16 plate filter	Capacitor, paper, .25 MFD 20%, 600 V DC wkg., bathtub can, 2 lugs	15A14
C72	T6 - 4th FM-IF primary tuning	Same as C11	
C73	T6 - 4th FM-IF secondary tuning	Same as C11	
C74	V17 grid coupling	Same as C11	
C75		Capacitor, paper, .05/.05 MF	15A11
C75A	FM tuning eye bypass	20%, 600 V DC wkg., bathtub can, 3 lug	
C75B	V17 grid return bypass	Same as C36	
C76	B + bypass at V16 plate return		
C77	V17 heater bypass	Same as C53	
C78	V17 screen bypass	Same as C53	
C79		Capacitor, paper, .25/.25 MFD, 20% 600 V DC wkg., bathtub can, 2 lugs, can common	15A425
C79A	V17 screen bypass		
C79B	V17 plate filter		
C80	T7 primary trimmer	Same as C6	
C81	T7 primary to secondary coupling	Same as C42	

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
CAPACITORS (Continued)			
C82	T7 secondary trimmer	Same as C6	
C83	Discriminator diode filter	Same as C27	
C84	Discriminator diode filter	Same as C27	
C85	Discriminator output de-emphasis network	Capacitor, silver mica, 1300 MMF 5%, 500 V DC wkg., CM30 case, wire leads	15A415
C86	Audio input bypass at power supply	Same as C3	
C87	Audio compensating network at V19A grid	Same as C40	
C88	V19 cathode bypass	Capacitor, electrolytic, 25 MFD, 25 V DC wkg., bathtub can, 2 lugs, black negative	15A15
C89	V19A plate to V20 grid coupling	Same as C35	
C90	V19B plate to V21 grid coupling	Same as C35	
C91	V20, V21 cathode bypass	Capacitor, electrolytic, 25 MFD, 50 V DC wkg., paper tubular case, wire leads	15B638
C92	Audio output shunt	Capacitor, mica, 5000 MMF 20%, 1000 V DC wkg., bakelite case, tab terminals	15B763
C93	High voltage output filter	Capacitor, electrolytic, 30/30 MFD 450 V DC wkg., bakelite case 1 3/8" dia. x 3 1/2" long, 3 wire leads, black common, mounts by 3/4-16 threaded bushing	15B744
C94	Filter reactor output bypass	Same as C93	
C95	Filter reactor input bypass	Capacitor, paper, 4 MFD, 600 V DC wkg., metal can 1 1/2" dia. x 4 1/2" long, mounts by 3/4-16 threaded bushing, 2 lugs	15B481
C96	AC power input bypass	Same as C75	
C97	V19A input compensating	Capacitor, mica, 1000 MMF 10%, 500 V DC wkg., CM30 case, wire leads	15A35
MISCELLANEOUS ELECTRICAL PARTS			
E1	AM-antenna terminal strip	Terminal strip, 3 terminals mounted on 3/4" W x 2" L bakelite strip, marked AM-ANT-GND	87B644

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
MISCELLANEOUS ELECTRICAL PARTS (Continued)			
E2	FM-antenna terminal strip	Terminal strip, 3 terminals mounted on 3/4" W x 2" L bakelite strip, marked FM-ANT-GND	87B643
E3	BC Band ant. sec., L2 inductance adj.	Powdered iron core 5/16" dia. x 1/2" L, adj. screw 6-32 x 1" L slotted at end	24A99
E4	SW Band ant. sec., L4 inductance adj.	Powdered iron core 5/16" dia. x 1/2" L, adj. screw 6-32 x 1 1/4" L, slotted at end	24A98
E5	BC Band oscillator, L5 inductance adj.	Same as E3	
E6	SW Band oscillator, L6 inductance adj.	Same as E3	
E7	BC Band mixer, L7 inductance adj.	Same as E4	
E8	SW Band mixer, L8 inductance adj.	Same as E3	
E9	1st AM-IF primary inductance adj.	Same as E4	
E10	1st AM-IF secondary inductance adj.	Same as E4	
E11	2nd AM-IF primary inductance adj.	Same as E4	
E12	2nd AM-IF secondary inductance adj.	Same as E4	
E13	3rd AM-IF primary inductance adj.	Same as E4	
E14	FM antenna secondary inductance adj.	Powdered iron core .274" dia. x 9/16" L, adj. screw 6-32 x 1 1/4" L slotted at end, iron core insulated from screw	24B758
E15	FM oscillator inductance adj.	Same as E14	
E16	FM mixer secondary inductance adj.	Same as E14	
E17	1st FM-IF primary inductance adj.	Same as E3	
E18	Phono-input terminal strip	Terminal strip, 2 terminals mounted on 3/4" W x 2 1/8" L bakelite strip, marked PHONO-GND	87A220
E19	Television input terminal strip	Terminal strip, 2 terminals mounted on 3/4" W x 2 1/8" L bakelite strip, marked TELEV-GND	87B642
E20	1st FM-IF secondary inductance adj.	Same as E3	

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
MISCELLANEOUS ELECTRICAL PARTS (Continued)			
E21	2nd FM-IF primary inductance adj.	Same as E4	
E22	2nd FM-IF secondary inductance adj.	Same as E4	
E23	3rd FM-IF primary inductance adj.	Same as E4	
E24	3rd FM-IF secondary inductance adj.	Same as E4	
E25	4th FM-IF primary inductance adj.	Same as E4	
E26	4th FM-IF secondary inductance adj.	Same as E4	
E27	Pushbutton switch cable terminal board	Terminal strip with 12 solder lugs, 1" W x2 17/32" long bakelite strip	87B546A
E28	Dial drive motor	Motor, reversible type shaded pole, operates on 24 volts 50-60 CPS	58B447
E29	Dial pointer assembly	Dial indicator pointer with guide	29E749
E30	Dial calibration scale	Calibration scale on glass plate 4 1/2" x 11 7/32"	29B637
E31	Control knob	Plastic knob 1 1/8" dia. black with red arrow 1/4" bushing, 8-32 set screw	47B659
E32	Main tuning knob	Plastic knob 2" dia. Polished chrome finish 1/4" bushing - 8-32 set screw	47B660
E33	Pushbutton	Clear plastic pushbutton 11/16" sq. with slot for station indicator tab, fits .050 x .312 flat shaft	10B735
E34	Knob set screw wrench	Wrench for #8 hollow head set screws 5/64" hex x 1 7/8" long	94B810
E35	Backplate rotor disk insulator strip	Strip, bakelite 27/32" x 9/16" x 3/16" with .040 W x .058 H, rib in center	87B560
E36	Backplate rotor disk assembly	Rotor disk assembly for pushbutton tuning system backplate	2B890
E37	Backplate contact assembly (long bracket)	Contact assembly for pushbutton tuning system backplate - long bracket	8B503A
E38	Backplate contact assembly (short bracket)	Contact assembly for pushbutton tuning system backplate - short bracket	8B504A
E39	AM-RF resistor strip assembly	Strip, bakelite 6 lugs with resistors R1, R2 and R4	87B547B

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
MISCELLANEOUS ELECTRICAL PARTS (Continued)			
E40	Converter channel resistor strip assembly	Strip, bakelite 6 lugs with resistors R8, R11 and R12	87B547C
E41	AM-IF resistor strip assembly	Strip, bakelite 12 lugs with resistors R22, R17, R23, R19, R18 and R13	87B546C
E42	AM diode resistor strip assembly	Strip, bakelite 12 lugs with resistors R36, R33, R32, R34, R35 and R16	87B546B
E43	1st audio amp. resistor strip assembly	Strip, bakelite 6 lug with resistors R40, R39 and R38	87B547D
E44	2nd audio amp. resistor strip assembly	Strip, bakelite 12 lugs with resistors R44, R43, R42, R41 and R47	87B546D
E45	1st FM-IF resistor strip assembly	Strip, bakelite 6 lugs with resistors R59, R6 and R F choke L15	87B547E
E46	2nd FM-IF resistor strip assembly	Strip, bakelite 6 lugs with resistors R63, R64 and R65	87B547F
FUSES			
F1	Power transformer primary fuse	Fuse, miniature cartridge, 3A, 250 V, 1/4" dia. x 1 1/4" L	37A162
F2	Pushbutton tuning transformer primary fuse	Fuse, miniature cartridge, 1A, 250 V, 1/4" dia. x 1 1/4" L	37B655
DIAL LAMPS			
I1	Dial lighting lamp	Lamp, miniature bayonet base, 6-8 V @ .150 amp. #47, brown bead	49A168
I2	Dial lighting lamp	Same as I1	
I3	Phono indicator lamp	Same as I1	
I4	BC Band indicator lamp	Same as I1	
I5	SW Band indicator lamp	Same as I1	
I6	FM Band indicator lamp	Same as I1	
JACKS & RECEPTACLES			
J1	Record changer power receptacle	2 contact female plug with metal shield cap and cable clamp	65B840
J2	Speaker receptacle	10 contact female receptacle, 11/16" W x 1 9/16" L	67B542
J3	Receiver power receptacle	H.B.Jones type S-310-AB 12 contact female receptacle, 15/16" W x 1 1/4" L, H.B.Jones type S-312-AB	67B541

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
INDUCTORS & CHOKES			
L1	BC Band antenna primary coil	RF inductor, universal wound on 1" dia. x 7/8" L form	20B604
L2	BC Band antenna secondary coil	RF inductor, universal progressive wound on 1" dia. x 1 1/2" L form, adjustable iron core	20B605
L3	SW Band antenna primary coil	RF inductor, solenoid wound on 3/4" dia. x 7/8" L form	20B608
L4	SW Band antenna secondary coil	RF inductor, solenoid wound on 3/4" dia. x 1 1/2" L form, adjustable iron core	20B609
L5	BC Band oscillator coil	RF inductor, solenoid wound on 1" dia. x 2 1/4" L form, adjustable iron core	20B607
L6	SW Band oscillator coil	RF inductor, solenoid wound on 3/4" dia. x 2 1/4" L form, adjustable iron core	20B611
L7	BC Band mixer coil	RF transformer, primary universal wound, secondary progressive universal wound on 1" dia. x 2 1/4" L form, adjustable iron core	20B606
L8	SW Band mixer coil	RF transformer, primary and secondary solenoid wound on 3/4" dia. x 2 1/4" L form, adjustable iron core	20B610
L9	FM antenna coil	RF transformer, primary and secondary solenoid wound on 1/2" dia. x 2 1/8" L form, adjustable iron core	20B612
L10	FM oscillator coil	RF inductor, solenoid wound on 1/2" dia. x 2 1/8" L form, adjustable iron core	20B614
L11	FM mixer coil	RF transformer, primary and secondary solenoid wound on 1/2" dia. x 2 1/8" L form, adjustable iron core	20B613
L12	1st FM-IF primary coil	RF inductor, solenoid wound on 1/2" dia. x 2 1/8" L form, adjustable iron core	20B618
L13	1st FM-IF secondary coil	RF inductor, solenoid wound on 7/16" dia. x 1 3/8" L form, adjustable iron core	20B619
L14	Bass boost choke	Audio reactor, 11 H @ 1000 CPS, no DC, laminated iron core, potted	17B591
L15	V14 plate filter choke	RF choke, 40 T #26 SSE wire on 9/32" dia. x 7/8" L form wire leads	17B761

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
INDUCTORS AND CHOKES (Continued)			
L16	FM discriminator audio filter	Same as L15	
L17	High voltage filter choke	Filter reactor, 5 H @ 200 MA DC, laminated iron core, potted in chrome plated case	17B492
L18	FM-AM relay coil	Relay coil, wound on insulated copper sleeve, two terminals, 425 T #24 E wire DC resistance 2 ohm or 350 T #22 E wire, DC resistance 1 ohm, operates on 10 volts 60 CPS. Used on receivers before Serial 2000	20B707
L19	FM-AM relay coil	Same as L18	20B707
*L18	FM-AM relay coil	Relay coil, wound on insulated copper sleeve, two terminals, 800 T #30 E wire DC resistance 13 ohms, operates on 24 volts 60 CPS Used on receivers after Serial 2000	20B982
*L19	FM-AM relay coil	Same as L18	20B982
L20	AC power ON-OFF relay coil	Relay coil wound on insulated copper sleeve, two terminals, 1200 T #28 E wire, DC resistance 20 ohms or 1100 T #29 E wire, DC resistance 16 ohms, operates on 24 volts 60 CPS. Used on receivers before Serial 2000	20B719
L21	AC power ON-OFF relay coil	Same as L20	20B719
*L20	AC power ON-OFF relay coil	Relay coil wound on insulated copper sleeve, two terminals, 900 T #32 E wire, DC resistance 23 ohms operates on 24 volts, 60 CPS. Used on receivers after Serial 2000	20B977
*L21	AC power ON-OFF relay coil	Same as L20	20B977
L22	Muting relay coil	Audio muting relay coil, part of K3 assembly, operates on 2.4 volts 60 CPS	
L23	Drive motor relay coil	Same as L22. See relay K4	
L24	Drive motor relay coil	Same as L22. See relay K5	

* These coils used on FM-AM and AC relays after Serial 2000.

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
INDUCTORS AND CHOKES (Continued)			
L25	High voltage filter choke	Same as L17	
LOUDSPEAKERS			
LS1	Loudspeaker for 800-B	Loudspeaker, coaxial type, 15 inch low frequency with 5 inch PM tweeter mounted axially, complete with crossover network and cable with 10 contact plug P-310-CCT. Field for 15 inch speaker 675 ohms series and 9000 ohms shunt. Input impedance 8 ohms	85B490
LS2	Loudspeaker for 800-B	Loudspeaker, 15" dynamic extended range. Field 675 ohm series and 9000 ohms shunt. Input impedance 16 ohms	85B909
PLUGS			
P1	Receiver chassis power plug	Plug, 12 contact, male, metal cover with cable clamp, Type P-312-CCT	65A184
P2	Receiver chassis audio plug	Plug, 4 contact, male, metal cover with cable clamp, Type P-304-CCT complete with 4 wire cable	96B677
P3	FM-IF input plug	Plug, single contact, male Type 80M. Used on early model sets	65B656
P3	FM-IF input plug	Plug, 2 contact, male, Type MC2M. Used on later model sets	65B959
P4	Loudspeaker plug	Plug, 10 contact, male, metal cover with cable clamp, Type P-310-CCT	65A186
P5	AC power input plug	Plug, 2 contact, male, plastic shell	65B679
RESISTORS			
R1	V1 - AM-RF grid return	Resistor, composition, .47 meg 10%, $\frac{1}{2}$ watt, wire leads	70A61
R2	V1 - cathode bias	Resistor, composition, 560 ohms 10%, $\frac{1}{2}$ watt, wire leads	70A46
R3	V1 - screen bleeder	Resistor, composition, 10,000 ohms 10%, $\frac{1}{2}$ watt, wire leads	70A419

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
RESISTORS (Continued)			
R4	V1 - Screen filter	Resistor, composition, 15,000 ohms 10%, 2 watt, wire leads	70B818
R5	Sensitivity control	Potentiometer, wire wound, 10,000 ohms 10%, 2 watt, linear taper, shaft: $\frac{1}{8}$ " dia. x 3" L, complete with SPDT switch SW4 for N.L. circuit	70B569
R6	V2 - AM osc. grid leak	Resistor, composition, 47,000 ohms 10% $\frac{1}{2}$ watt, wire leads	70A54
R7	V2 plate filter	Resistor, composition, 5100 ohms 10%, 1 watt, wire leads	70B648
R8	V3 - AM mixer grid return	Same as R1	
R9	V3 - injector grid return	Resistor, composition, 20,000 ohms 5%, $\frac{1}{2}$ watt, wire leads	70A52
R10	V3 cathode bias	Resistor, composition, 240 ohms 5%, $\frac{1}{2}$ watt, wire leads	70A45
R11	V1 - RF amp. plate filter	Resistor, composition, 1000 ohms 10%, $\frac{1}{2}$ watt, wire leads	70A47
R12	V3 screen filter	Resistor, composition, 18,000 ohms 10%, 2 watt, wire leads	70A68
R13	V3 plate filter	Same as R11	
R14	1st AM-IF secondary series	Resistor, composition, 47 ohms 10%, $\frac{1}{2}$ watt, wire leads	70A420
R15	1st AM-IF secondary series	Resistor, composition, 10 ohms 10%, $\frac{1}{2}$ watt, wire leads	70A42
R16	V4 - 1st AM-IF amp. grid return	Resistor, composition, .22 meg 10%, $\frac{1}{2}$ watt, wire leads	70A59
R17	V4 cathode bias	Same as R2	
R18	V4 screen filter	Resistor, composition, .1 meg 10%, $\frac{1}{2}$ watt, wire leads	70A58
R19	V4 plate filter	Same as R11	
R20	2nd AM-IF secondary series	Same as R14	
R21	2nd AM-IF secondary series	Same as R14	
R22	V5 - 2nd AM-IF amp. cathode bias	Same as R2	
R23	V5 screen filter	Same as R18	
R24	V5 plate filter	Same as R11	
R25	AM tuning eye target series	Resistor, composition, 1 meg 20%, $\frac{1}{2}$ watt, wire leads	70A63
R26	V11 - FM-RF amp. grid series	Resistor, composition, 5 ohms 10%, $\frac{1}{2}$ watt, wire leads	70B860
R27	Not used		

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
RESISTORS (Continued)			
R28	V8 FM tuning eye grid return	Same as R1	
R29	V8 FM tuning eye adj.	Potentiometer, composition, 1 meg 20%, .4 watt, shaft: $\frac{1}{4}$ " dia. x 1 1/32" L, screw-driver slot adj. linear taper	70B568
R30	V8 FM tuning eye target series	Same as R25	
R31	AM diode load	Same as R6	
R32	AM diode filter	Same as R6	
R33	V6 noise limiter cathode filter	Resistor, composition, .82 meg 10%, $\frac{1}{2}$ watt, wire leads	70B649
R34	AVC line filter	Same as R33	
R35	V7 AM tuning eye filter	Resistor, composition, 2.2 meg 20%, $\frac{1}{2}$ watt, wire leads	70A64
R36	V6 noise limiter cathode bias	Same as R33	
R37	Volume control	Potentiometer, composition, 1 meg 20%, .4 watt, clockwise audio taper, shaft: $\frac{1}{4}$ " dia. x 3" long	70B570
R38	V9 1st AF amp. cathode bias	Resistor, composition, 1300 ohms 5%, $\frac{1}{2}$ watt, wire leads	70B650
R39	V9 plate load	Same as R6	
R40	V9 plate filter	Same as R6	
R41	V10 2nd AF amp. grid return	Same as R18	
R42	V10 cathode bias	Same as R38	
R43	V10 plate load	Same as R6	
R44	V10 plate filter	Same as R6	
R45	Treble control	Potentiometer, composition, .25 meg 20%, .4 watt, clockwise audio taper, tapped at .125 meg 20%, shaft: $\frac{1}{4}$ " dia. x 3" L.	70B540
R46	Bass control	Same as R45	
R47	Tone control circuit return	Same as R3	
R48	V11 FM-RF amp. cathode bias	Resistor, composition, 150 ohms 10%, $\frac{1}{2}$ watt, wire leads	70A44
R49	V11 screen filter	Resistor, composition, 56,000 ohms 10%, $\frac{1}{2}$ watt, wire leads	70A55
R50	V12 FM oscillator grid return	Same as R18	
R51	V11 plate filter	Same as R11	
R52	V12 plate filter	Same as R7	

Model 800-B Radio-Phonograph

Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
RESISTORS (Continued)			
R53	V13 FM mixer grid series	Same as R26	
R54	V13 cathode bias	Same as R11	
R55	V13 screen filter	Same as R16	
R56	V13 plate filter	Resistor, composition, 2400 ohms 5%, $\frac{1}{2}$ watt, wire leads	70A49
R57	V14 1st FM-IF amp. grid series	Resistor, composition, 56 ohms 10%, $\frac{1}{2}$ watt, wire leads	70A43
R58	V14 cathode bias	Resistor, composition, 160 ohms 5%, $\frac{1}{2}$ watt, wire leads	70B654
R59	V14 screen filter	Same as R49	
R60	V14 plate filter	Same as R56	
R61	T4 secondary shunt	Resistor, composition, 27,000 ohms 10%, $\frac{1}{2}$ watt, wire leads	70A418
R62	V15 2nd FM-IF amp. grid series	Same as R57	
R63	V15 cathode bias	Same as R58	
R64	V15 screen filter	Same as R49	
R65	V15 plate filter	Same as R56	
R66	T5 secondary shunt	Same as R6	
R67	V16 1st FM limiter grid series	Resistor, composition, 27 ohms 10%, $\frac{1}{2}$ watt, wire leads	70B666
R68	V16 plate and screen filter	Resistor, composition, 39,000 ohms 10%, 1 watt, wire leads	70B653
R69	V8 FM tuning eye grid filter	Same as R35	
R70	V17 2nd FM limiter grid series	Same as R67	
R71	V17 grid leak	Same as R61	
R72	V17 grid return filter	Resistor, composition, 15,000 ohms 10%, $\frac{1}{2}$ watt, wire leads	70A51
R73	V17 screen bleeder	Resistor, composition, 15,000 ohms 10%, 1 watt, wire leads	70B683
R74	V17 screen filter	Same as R68	
R75	V17 plate filter	Same as R18	
R76	V18 FM discriminator filter	Same as R49	
R77	V18 diode load	Same as R18	
R78	V18 diode load	Same as R18	
R79	FM de-emphasis network	Same as R6	
R80	V19A grid series	Same as R1	
R81	V19A grid return	Same as R6	
R82	V19A, V19B cathode bias	Resistor, composition, 1500 ohms 10%, $\frac{1}{2}$ watt, wire leads	70A48
R83	V19B plate load	Same as R16	
R84	V19A plate load	Same as R16	
R85	V20 grid return	Same as R16	

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Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
RESISTORS (Continued)			
R86	V21 grid return	Same as R16	
R87	V19B grid return	Same as R16	
R88	V20, V21 cathode bias	Resistor, wirewound, 250 ohms 5%, 10 watt, vitreous enamel, wire leads	70A70
R89	V20 plate to V19A plate feedback	Same as R25	
R90	Audio output filter	Resistor, wirewound, 10,000 ohms 10%, 10 watt, vitreous enamel, wire leads	70B760
R91	V22 anode, dropping resistor	Resistor, wirewound, 3000 ohms 10%, 10 watt, vitreous enamel, wire leads	70B681
R92	Receiver high voltage dropping resistor	Resistor, wirewound, 300 ohms 10%, 10 watt, vitreous enamel, wire leads	70B682
R93	Speaker series field dropping resistor	Same as R91	
SWITCHES			
SW1	Loop antenna switch	Switch, rotary, D.P.D.T., shaft: $\frac{1}{4}$ " dia. x $11/32$ " long screwdriver slot	89B628
SW2	AM Band change switch	Switch, 4 section rotary, 2 position indent, front shaft $\frac{1}{4}$ " x $2\ 13/16$ " long, shaft at rear $10\frac{1}{4}$ " long, $\frac{1}{4}$ " dia. flat on 2 sides	89B508
SW2A	Antenna channel switch section	Switch section, 2 pole, 2 position, bakelite wafer, rotary type	89B508-2
SW2B	Oscillator channel switch section	Same as SW2A	
SW2C	Mixer channel switch section	Same as SW2A	
SW2D	Indicator lamp switch section	Switch section, 3 pole, 2 position, bakelite wafer, rotary type	89B508-1
SW3	Selectivity switch	Switch, 4 section rotary, 5 position indent, front shaft $\frac{1}{4}$ " dia. x $2\ 13/16$ " long, shaft at rear $11\frac{1}{4}$ " long, $\frac{1}{4}$ " dia. flat on two sides	89B509
SW3A	1st AM-IF Switch section	Switch section, 2 pole, 5 position, rotary type, bakelite wafer	89B509-1
SW3B	2nd AM-IF switch section	Same as SW3A	

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Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
SWITCHES (Continued)			
SW3C	Phono-Radio switch section	Same as SW3A	
SW3D	Indicator lamp switch section	Same as SW3A	
SW4	Noise limiter switch	Switch, S.P.D.T. mounted on rear of sensitivity control R5, throws at maximum rotation of control	
SW5	AC power relay switch section	Switch section, 3 pole, 2 position, rotary type, bakelite wafer	89B626-1
SW6A	FM-AM relay switch top section	Switch section, 4 pole, 2 position, rotary type, bakelite wafer	89B625-1
SW6B	FM-AM relay switch bottom section	Switch section, 2 pole, 2 position, rotary type, bakelite wafer	89B625-2
SW7	Muting relay switch	Switch, S.P.S.T. mounted on relay K3	
SW8	Pushbutton switch gang	Switch, gang consisting of 7, S.P.S.T. momentary contact switches actuated by push levers	89B478
SW9	Pushbutton switch gang	Same as SW8	
SW10	Drive motor relay switch	Same as SW7. See relay K4	
SW11	Drive motor relay switch	Same as SW7. See relay K5	
TRANSFORMERS, RF, AUDIO, POWER			
T1	1st AM-IF transformer	IF transformer, 455 KC, adjustable iron cores on primary and secondary	20B615
T2	2nd AM-IF transformer	IF transformer, 455 KC, adjustable iron cores on primary and secondary	20B616
T3	3rd AM-IF transformer	IF transformer, 455 KC, adjustable iron core on primary, secondary untuned	20B617
T4	2nd FM-IF transformer	IF transformer, 10.7 MC adjustable iron cores on primary and secondary	20B620
T5	3rd FM-IF transformer	IF transformer, 10.7 MC adjustable iron cores on primary and secondary	20B621
T6	4th FM-IF transformer	IF transformer, 10.7 MC adjustable iron cores on primary and secondary	20B622

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Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
TRANSFORMERS, RF, AUDIO, POWER (Continued)			
T7	FM discriminator transformer	IF transformer, 10.7 MC, primary and secondary tuned by variable air trimmers	20B623
T8	Audio output transformer	Output transformer, primary 9000 ohms @ 1000 CPS, 100 MA DC, secondary 16 ohms tapped at 8 ohms, 25 watts	91B664
T9	Power transformer	Transformer, primary 120 V 50-60 CPS. Sec. 1-5 V @ 4A. Sec.-2-390-390 V @ 210 MA. Sec. 3-6.3 V @ 4 A. Sec. 4 6.6 V @ 4.6 A. Electrostatic shield between primary and secondaries	91B429
T10	Pushbutton tuning system transformer	Transformer, primary 117 volts 50-60 CPS. Sec. 46 V @ 2.5 A, tapped at 36 V and 24 V, primary designed for intermittent duty	91B694
VACUUM TUBES			
V1	AM-RF amplifier	Vacuum tube, 6SK7, octal base, remote cutoff pentode Heater: 6.3 V @ .3 amp	92A226
V2	AM oscillator	Vacuum tube, 6J5, octal base triode, Heater: 6.3 V @ .3 amp	92A228
V3	AM mixer	Vacuum tube, 6SA7, octal base, pentagrid converter, Heater: 6.3 V @ .3 amp	92A227
V4	1st AM-IF amp.	Same as V1	
V5	2nd AM-IF amp.	Same as V1	
V6	AM 2nd detector AVC, noise limiter	Vacuum tube, 6H6, octal base, twin diode, Heater: 6.3 V @ .3 amp.	92A229
V7	AM tuning indicator	Vacuum tube, 6E5, 6 prong base, cathode ray indicator, Heater: 6.3 V @ .3 amp	92B479
V8	FM tuning indicator	Same as V7	
V9	1st audio amp.	Same as V2	
V10	2nd audio amp.	Same as V2	
V11	FM-RF amp.	Vacuum tube, 6AG5, miniature type, RF amplifier pentode, Heater: 6.3 V @ .3 amp	92B598
V12	FM oscillator	Vacuum tube, 6C4, miniature type, H.F. triode, Heater: 6.3 V @ .15 amp	92B597
V13	FM mixer	Same as V11	

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Table 5
Parts List By Symbol Designation

Symbol Desig.	Function	Description	Part Number
VACUUM TUBES (Continued)			
V14	1st FM-IF amp.	Vacuum tube, 6AC7, octal base, amplifier pentode, Heater: 6.3 V @ .45 amp	92A235
V15	2nd FM-IF amp.	Same as V14	
V16	1st FM-IF limiter	Vacuum tube, 6SJ7, octal base, sharp cutoff pentode, Heater: 6.3 V @ .3 amp	92A236
V17	2nd FM-IF limiter	Same as V16	
V18	FM discriminator	Same as V6	
V19	3rd audio amp. Phase inverter	Vacuum tube, 6SL7GT, octal base, twin triode, Heater: 6.3 V @ .3 amp	92B669
V20	Power output audio amp.	Vacuum tube, 6L6G, octal base, beam power amp., Heater: 6.3 V @ .9 amp	92A233
V21	Power output audio amp.	Same as V20	
V22	Voltage regulator	Vacuum tube, OD3-VR150/30, octal base, glow discharge voltage regulator	92A237
V23	High voltage rectifier	Vacuum tube, 5Y3GT, octal base, full wave high vacuum rectifier, filament 5 V @ 2 amp	92B480
V24	High voltage rectifier	Same as V23	
WIRES AND CABLES			
W1	FM-IF lead	Shielded lead consisting of 7 ft RG58/u concentric line with single contact plug P3 type 80M attached. Used on early model sets.	65B656A
W1	FM-IF lead	Same as W1 above except plug is 2 contact type MC2M	65B959A
W2	Receiver power cable	Cable, 12 conductor, 2 shielded, with 12 contact plug P-312-CCT attached	96B676
W3	Audio connecting cable	Cable, 4 conductor, 2 shielded, with 4 contact P-304-CCT plug attached	96B677
SOCKETS			
X1	Socket for V1	Socket, 8 contact octal, black bakelite type MIP-8, marked 6SK7	82B431
X2	Socket for V2	Socket, 8 contact octal, black bakelite type MIP-8, marked 6J5	82B433

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**Table 5
Parts List By Symbol Designation**

Symbol Desig.	Function	Description	Part Number
SOCKETS (Continued)			
X3	Socket for V3	Socket, 8 contact octal, black bakelite type MIP-8, marked 6SA7	82B432
X4	Socket for V4	Same as X1	
X5	Socket for V5	Same as X1	
X6	Socket for V6	Socket, 8 contact octal, black bakelite type MIP-8, marked 6H6	82B434
X7	Socket for V7	Socket, 6 contact, black bakelite PF-6 with metal cap	82B708
X8	Socket for V8	Same as X7	
X9	Socket for V9	Same as X2	
X10	Socket for V10	Same as X2	
X11	Socket for V11	Socket, 7 contact, miniature type with tube shield	82B663
X12	Socket for V12	Same as X11	
X13	Socket for V13	Same as X11	
X14	Socket for V14	Socket, 8 contact octal, black bakelite type MIP-8, marked 6AC7	82B438
X15	Socket for V15	Same as X14	
X16	Socket for V16	Socket, 8 contact octal, black bakelite type MIP-8, marked 6SJ7	82B439
X17	Socket for V17	Same as X16	
X18	Socket for V18	Same as X6	
X19	Socket for V19	Socket, 8 contact octal, black bakelite type MIP-8, marked 6SL7GT	82B687
X20	Socket for V20	Socket, 8 contact octal, black bakelite type MIP-8, marked 6L6G	82B436
X21	Socket for V21	Same as X2	
X22	Socket for V22	Socket, 8 contact octal, black bakelite type MIP-8, marked VR-150	82B440
X23	Socket for V23	Socket, 8 contact octal, black bakelite type MIP-8 marked 5Y3-GT	82B437
X24	Socket for V24	Same as X23	