

SERVICE NOTES

for

RCA Victor Radiola Electrola, RE-73

RCA Victor Radiola Electrola RE-73 is an eight tube screen grid tuned R. F. type radio receiver combined with a standard Electrola mechanism. The receiver assembly and amplifier of this model is similar to that used in the 1930 Victor Receivers, Models R-35, R-39, and RE-57. The loudspeaker used is similar to that employed in the RCA Victor Superette R-7.

A reference to Victor Service Bulletin No. 26 will give the details of any service work required in conjunction with the receiver or amplifier. A reference to the RCA Radiola 86 Service Notes will give the details of any service work necessary in conjunction with the motor board assembly.

Figure 1 shows the schematic diagram of the motor board connections and Figure 2 shows the motor board wiring.

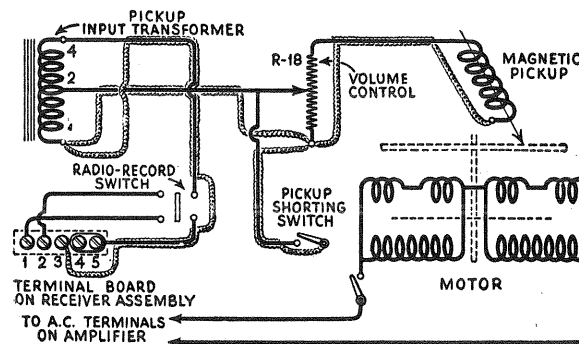


Figure 1—Schematic Diagram of Motor Board

REPLACEMENT PARTS

Stock No.	DESCRIPTION	List Price	Stock No.	DESCRIPTION	List Price
RECEIVER ASSEMBLY					
2012	Condenser—1200 MMFD. condenser	\$0.55	10815	Coil—Filter coil and capacitor with mounting screws, lock washers and nuts	\$1.50
2546	Resistor—1 megohm—Carbon type resistor—Package of 5	3.00	10816	Coil—3rd R. F. coil	1.60
2746	Socket—Dial lamp socket	.50	10817	Coil—Link coil	1.50
2747	Cap—Contact cap—Package of 5	.50	10818	Condenser—Bank of two condensers—0.25 and 0.75 mfd.	1.80
2748	Posts—Twin binding posts with lock washers and nut—Antenna and ground	.50	10819	Condenser—Bank of three condensers—Three 0.1 mfd.	1.80
2804	Knob—Volume or station selector knob—Package of 5	2.50	10820	Condenser—100 mmfd. condenser	.50
2966	Resistor—28,000 ohm—Carbon type—Package of 5	2.50	10821	Coil—Resistor board coil	.80
2970	Resistor—½ megohm—Carbon type—Package of 5	2.50	10822	Wheel—Cam wheel with spring washers, cup washer and pin	2.60
7124	Socket—UY Radiotron socket	.80	10824	Strip—Terminal strip with insulation and rivet—Two contact	.50
7303	Dial—Station selector dial scale—Package of 5	3.00	10825	Inductor—Stabilizing inductor with screw, lock washer and nut	2.20
10426	Screw—Cam wheel adjusting screw—Package of 20	.50	10826	Control—Volume control with nut, washer and locking plate	2.50
10805	Shield—Round condenser shield	.75	10828	Coil—Antenna coupling coil	1.50
10806	Shield—Variable condenser shield	1.50	10829	Coil—1st R. F. coil	1.60
10807	Shield—White enamel lamp shield	.60	10830	Coil—2nd R. F. coil	1.60
10808	Indicator—Dial indicator—Package of 5	.50	10831	Strip—Terminal strip with link	.70
10809	Plate—Cover plate with screw—Package of 5	.50	10832	Socket—UX Radiotron single socket with insulator	.60
10810	Roller—Cam roller—Package of 5	.50	10833	Strip—Terminal strip with insulation and rivets—Six contacts	.70
10811	Condenser—Variable condenser	3.50	10834	Clip—Tube socket clips—Package of 10	.50
10812	Shaft—Cam roller shaft with washer and nuts—Package of 2	.50	10835	Capacitor—0.01 mfd.	.50
10813	Control—Tone control with plate washers and nut	1.60	10837	Capacitor—Bank of three 0.1 mfd. capacitors	.75
10814	Shield—Filter coil and capacitor shield with washers and nuts—Package of 2	.60			

REPLACEMENT PARTS (Continued)

Stock No.	DESCRIPTION	List Price	Stock No.	DESCRIPTION	List Price
RECEIVER ASSEMBLY—Continued			2829	Knob—Motor board lifting knob and screw—Package of 2	\$0.50
10838	Resistor—9000 ohms—Carbon type—Package of 5	\$2.50	2858	Rest—Pickup rubber rest with mounting brad—Package of 5	.50
10839	Resistor—130 ohms—Carbon type—Package of 5	2.50	3052	Screw assembly—Pickup pole piece mounting screw, nut, washer—Package of 10 sets	.50
10840	Resistor—2800 ohms—Carbon type—Package of 5	2.50	3101	Switch—Record-radio toggle switch with mounting nuts and escutcheon plate—Located on top of motor board	1.25
10841	Resistor—1½ megohm—Carbon type—Package of 5	2.50	3102	Receptacle—Needle receptacle	.75
10842	Capacitor—10 mfd. condenser—Package of 2	.60	3158	Screw assembly—Motor mounting screw assembly—Comprising 3 screws, 3 bushings, 3 metal washers and 12 cushion washers	.80
10843	Shield—Radiotron shield body with cap—Package of 1 set	.90	3162	Regulator—Speed regulator with mounting screws—Comprising cam and shaft, bushing and bracket	.80
10844	Shield—Coil shield body with cap—Package of 1 set	.90	3163	Escutcheon—Speed regulator escutcheon with mounting screw—Package of 5	2.00
10851	Panel—Radio chassis escutcheon panel—Less dial	3.00	3164	Control—Record volume control with mounting washer and nut—Less knob	1.70
10920	Cable—Wiring cable—Used to connect receiver to amplifier	2.75	3167	Magnet—Pickup magnet	2.60
10948	Spring—Tuning condenser spring—Package of 5	.50	3168	Coil—Pickup coil	.85
10949	Link—Tuning condenser link—Bakelite—Package of 5	.60	3169	Shoe—Pickup pole shoe R. H.	1.45
10969	Roller—Tuning condenser roller and shaft with eyelet screw and nut—Package of 5	.50	3170	Shoe—Pickup pole shoe L. H.	1.45
S. P. U.			6067	Lever—Speed control regulator lever for motor—Comprising lever, spring, mounting bolt, nut and washer	1.60
2721	Socket—UX-245 Radiotron double socket with insulator and rivets	1.00	6069	Coil assembly—Located nearest governor—105-125 volts, 60 cycles—Comprising 2 current coils, 1 voltage coil, laminated core end bracket, terminal board, nuts, bolts, screws and washers—Completely assembled ready for mounting	8.40
2722	Resistor—55 ohm—Mid-tapped—Wire wound—Filament resistor	1.00	6070	Coil assembly—Located farthest from governor—105-125 volts, 60 cycles—Comprising 2 current coils, 1 voltage coil, laminated core, end bracket, terminal board, nut, bolts, screws and washers—Completely assembled ready for mounting	8.40
2723	Switch—Operating switch—Toggle—With mounting nuts and washer—Package of 5	3.00	7076	Brake—Automatic brake with mounting screws	4.50
2757	Strip—Terminal strip—Two contact	.50	7082	Support—Lid support complete with mounting screws	2.00
2880	Resistor—70,000 ohms—Carbon type—Package of 5	3.00	7083	Transformer—Input transformer	5.00
2963	Resistor—8,000 ohms—Carbon type—Package of 5	2.50	7084	Cover—Turntable cover	.50
7053	Resistor—715 ohms—Wire wound	.70	7093	Cover—Pickup cover	.50
7054	Cord—Amplifier power cord with male connector plug	1.00	7151	Housing—Pickup housing back	.50
7075	Socket—UX-280 Radiotron socket	1.80	7304	Spindle—Turntable spindle	1.25
7224	Cover—Fuse cover with bushing and insulator	.50	7306	Cable—Braided cable from volume control switch	1.80
10845	Transformer—A. F. transformer	14.00	7307	Pickup—Pickup unit complete	12.50
10907	Fuse—3 amperes—Package of 5	1.00	8732	Arm—Pickup arm and base complete with mounting screws—Less pickup unit	3.50
10908	Cover—Terminal strip cover—Package of 2	.50	8733	Turntable—Turntable with cover	4.60
10909	Condenser—Condenser bank—60 cycles	16.00	10175	Needle holder	.70
10910	Capacitor—Extra filter capacitor for 25 cycles	5.00			
10911	Reactor—Filter reactor	4.50			
10912	Strip—Terminal strip—8 contacts	.70			
10913	Cable—Amplifier wiring cable	2.00			
10915	Transformer—Power transformer—105-125 volts—25-40 cycles	16.00			
10917	Transformer—Power transformer—105-125 volts—50-60 cycles	12.00			
PHONOGRAPH PARTS					
2614	Switch—Automatic brake contact switch	1.40			
2615	Springs—Brake springs—Set of 4 springs—Package of 2 sets	.50	3166	Bolt assembly—Reproducer mounting bolt assembly—Comprising two bolts, two nuts, two lock washers and two plates	1.05
2620	Cushions—Pickup rubber cushion—Comprising 1 damper and 2 pivot cushions—Package of 5 sets	1.25	7308	Coil assembly—Reproducer field coil assembly—Comprising field coil, cone bracket and magnet	6.00
2622	Coil assembly—Located nearest governor—105-125 volts, 25 cycles—Comprising 2 current coils, 1 voltage coil, laminated core, end bracket, terminal board, nuts, bolts, screws and washers—Completely assembled ready for mounting	9.00	8559	Ring—Cone retaining ring	.80
2623	Coil assembly—Located farthest from governor—105-125 volts, 25 cycles—Comprising 2 current coils, 1 voltage coil, laminated core and bracket, terminal board nuts, bolts, screws and washers—Completely assembled ready for mounting	9.00	8601	Cone—Reproducer cone with voice coil—Package of 5	15.00
2691	Governor—Comprising shaft with worm, brake disc, weights, springs and screws—Assembled	5.25			
2692	Bearings—Governor shaft bearings—One set of 2	1.35			
2693	Gear—Governor drive worm gear with set screw	1.35			
2695	Bearings—Threaded thrust bearing with lock nut for end of turntable spindle	.50			
2759	Box—Needle box with lid—Package of 2	.60			
2765	Screw—Pickup needle holding screw—Package of 10	.80			
2766	Screw—Pickup cover mounting screw—Package of 10	.50			
2767	Spring—Pickup magnet spring—Package of 10	.50			
2768	Armature—Pickup armature	.50			
2770	Plate—Pickup damper plate—Package of 5	.50			
2771	Screw—Pickup damper plate mounting screw—Package of 10	.50			
2787	Switch—Pickup shorting switch	1.00			
2789	Cord—Motor cord—Connects motor coil and starting switch	.60			
2826	Cable—Shielded cable from shorting switch to record volume control	.50			
				REPRODUCER ASSEMBLY	
			2785	Hinge—Lid hinge with mounting screws—Package of 1 set of 2	.50
			3156	Label—Metal trade mark label—Package of 5	2.50
			7300	Baffle board and grille cloth	1.50
			7301	Escutcheon—Tuning dial control escutcheon	2.00
			7302	Overlay—Top front frame overlay	1.20
			8727	Stretchers	5.00
			8728	Grille—Wood grille	3.75
			8729	Moulding—Front bottom frame rail moulding	.90
			8730	Foot	1.00
			9377	Cabinet—Cabinet complete—Less equipment	65.00
			9378	Post—Front post R. H.	3.50
			9379	Post—Front post L. H.	3.50
			9380	Post—Back post R. H.	3.25
			9381	Post—Back post L. H.	3.25
			9382	Panel—Control panel	6.00
			9383	Lid	14.75
			10925	Ornament—Post ornament—Package of 1 pair	.75
				CABINET ASSEMBLY	

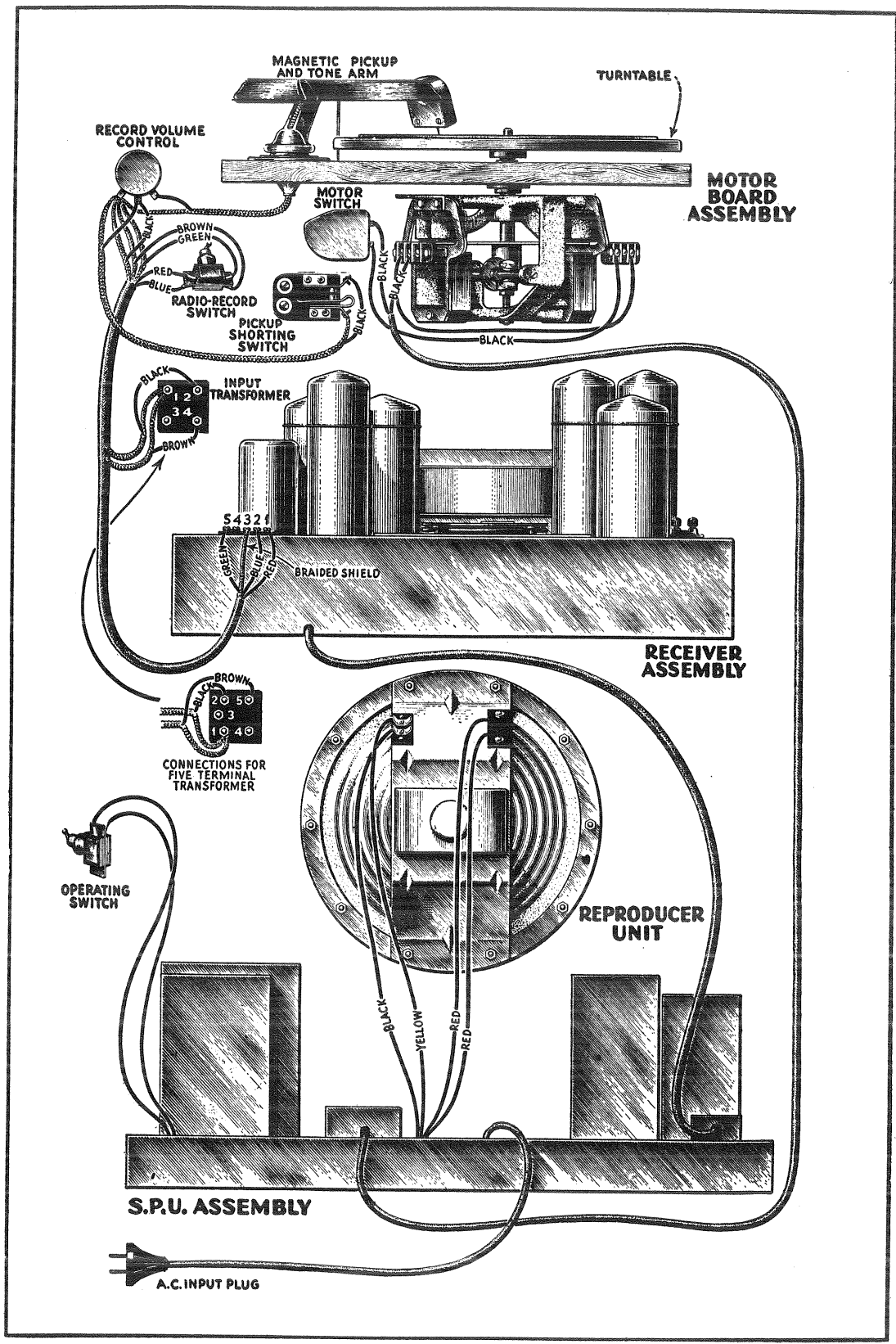


Figure 2—Assembly Wiring Diagram



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