

SERVICE NOTES

for

RCA Victor RAE-26

RCA Victor Radiola Automatic Electrola RAE-26 is a nine tube radio receiver combined with the perfected RCA Victor Automatic Record Changing Mechanism. Features of the radio receiver are excellent sensitivity, selectivity and tone quality, automatic volume control that is quiet when tuning from station to station and Pentode Output Radiotrons.

The Automatic Record Changing Mechanism provides for the continuous playing of ten 10-inch records. Provision is also made for a turntable speed of $33\frac{1}{3}$ R.P.M. as well as 78 R.P.M. This makes the mechanism adaptable for the playing of the Program Transcription Records as well as standard records, either manually or automatically.

SERVICE DATA

The Receiver assembly and Loudspeaker used in Model RAE-26 is exactly the same as that used in the R-11. A reference to the Service Notes for the R-11 will therefore give the details of any Service information required on these units.

A reference to the Service Notes on the RCA Victor Automatic Record Changing Mechanism gives details of any service work that may be required on this unit. It will also be found useful in identifying the replacement parts listed below. Figure 1 shows the schematic circuit diagram and Figure 2 the assembly wiring diagram.

REPLACEMENT PARTS

Stock No.	DESCRIPTION	List Price	Stock No.	DESCRIPTION	List Price
REPRODUCER					
3166	Bolt assembly—Reproducer mounting bolt assembly—Comprising two bolts, two plates, two lock washers and two nuts.....	\$1.05	3092	Control—Radio volume control complete with mounting nut.....	\$1.50
7257	Coil assembly—Comprising reproducer field coil, cone bracket and magnet.....	6.00	3093	Control—Tone control and operating switch complete with mounting nut.....	1.90
7258	Transformer—Output transformer.....	1.70	3094	Shield—Radiotron shield—1 used—Package of 2.....	.50
8559	Ring—Cone retaining ring.....	.80	3095	Coil—R. F. Coil—Complete with mounting bracket.....	1.90
8601	Cone—Reproducer paper cone—Package of 5.....	15.00	3096	Coil—1st detector and oscillator coil—Complete with mounting bracket.....	3.55
RECEIVER					
2563	Resistor—6,000 Ohms—Carbon type—Package of 5....	3.00	3097	Dial—Dial scale and drum—Assembled—Package of 2.....	.50
2730	Resistor—18,000 Ohms—Carbon type—Package of 5....	2.00	3098	Capacitor—Capacity 0.008 MFD.....	.50
2734	Capacitor—745 Mmfd.—Package of 5.....	2.20	3099	Capacitor—Capacity 0.005 MFD.....	.75
2746	Socket—Dial lamp socket.....	.50	3137	Knobs—Package of 5.....	3.25
2747	Cap—Grid contact cap—Package of 5.....	.50	3156	Label—Metal trade mark label—Package of 5.....	2.50
2749	Capacitor—2,400 Mmfd.....	1.50	3175	Receptacle—Needle receptacle.....	.75
2882	Socket—UY Radiotron socket with insulator—8 used..	.50	3184	Terminal board—Pickup terminal board.....	.50
2968	Socket—UX Radiotron socket with insulator—1 used..	.50	3189	Box—Needle box with lid—Package of 2.....	.70
2999	Shaft—Dial drum drive shaft.....	.50	3221	Cable—Shielded cable from record volume control to pickup terminal board—Package of 2.....	.80
3029	Bracket—Tuning dial indicator—Complete with bracket.....	.50	3224	Switch—Record-Radio switch with mounting nut and washer.....	1.35
3046	Resistor—190,000 Ohms—Carbon type—Package of 5....	2.50	7054	Cord—Power cord.....	1.00
3047	Resistor—1,500 Ohms—Carbon type—Package of 5....	2.50	7062	Capacitor—Adjustable oscillator trimmer capacitor ..	1.00
3048	Resistor—500,000 Ohms—Carbon type—Package of 5....	2.50	7232	Cable—Main cable from receiver to input transformer, radio record switch and record volume control.....	2.30
3049	Resistor—150 Ohms—Carbon type—Package of 5.....	2.50	7241	Capacitor—3 gang tuning capacitor with mounting screws and washers.....	8.00
3050	Resistor—14,000 Ohms—Carbon type.....	.60	7266	Transformer—1st Intermediate transformer.....	3.00
3051	Resistor—5 megohm—Carbon type—Package of 5....	2.00	7267	Transformer—2d Intermediate transformer.....	3.00
3053	Capacitor—9 Mmfd.—Package of 2.....	.50	7268	Coil—Detector or A.V.C. R. F. Choke coil.....	.60
3055	Cushion—Chassis support cushion—Package of 4.....	.50	7269	Capacitor Pack—Comprising one 2.0 Mfd., one 0.4 Mfd., five 0.5 Mfd., two 1.0 Mfd. and five 0.1 Mfd. capacitors in metal containers—110 volts—50-60 cycles.....	7.25
3056	Shield—Radiotron shield—6 used—Package of 2.....	.50	7270	Reactor—Filter reactor.....	4.00
3076	Resistor—1 megohm—Carbon type—Package of 5....	2.50	7271	Transformer—Interstage transformer.....	4.25
3077	Resistor—30,000 Ohms—Carbon type—Package of 5....	2.50	7272	Transformer—Power transformer—105-125 volts, 50-60 cycles.....	12.00
3078	Resistor—10,000 Ohms—Carbon type—Package of 5....	2.50	7273	Capacitor Pack—Comprising one 4.0 Mfd., one 7.0 Mfd., five 0.5 Mfd., two 1.0 Mfd. and five 0.1 Mfd. capacitors in metal container—110 volts, 25-40 cycles.....	10.00
3079	Resistor—40,000 Ohms—Carbon type—Package of 5....	2.50			
3085	Capacitor—400 Mmfd.....	.60			
3089	Terminal Board—Magnetic pickup terminal board....	0.50			
3090	Board—A.V.C. and 2d detector R. F. choke mounting board—less choke coils.....	.50			
3091	Board—Resistor terminal board less capacitors and resistors.....	1.00			

REPLACEMENT PARTS (Continued)

Stock No.	DESCRIPTION	List Price	Stock No.	DESCRIPTION	List Price
RECEIVER—Continued					
7274	Transformer—Power transformer—105-125 volts, 25-40 cycles.....	\$15.00	3207	Screw—Pickup cover mounting screw—Package of 10.....	\$0.50
7312	Transformer—Pickup input transformer.....	6.55	3208	Screw assembly—Pickup mounting screw, nut and washer—Package of 10.....	.60
8761	Support—Lid support.....	1.50	3209	Lever—Trip lever.....	1.10
MOTOR BOARD AND AUTOMATIC RECORD CHANGER					
2614	Switch.....	1.40	3210	Lever—Magazine lever.....	.65
2620	Cushion—Pickup rubber cushions—Comprising two pivots and one damper cushion—Package of 5 sets.....	1.25	3211	Washer—Turntable spindle leather washer—Package of 10.....	.50
2767	Spring—Pickup magnet spring—Package of 10.....	.50	3212	Spring—Turntable spindle plunger spring—Package of 10.....	.50
2768	Armature—Pickup armature.....	.50	3213	Bolt—Motor board mounting bolt—Package of 8.....	.90
2769	Coil—Pickup coil.....	.50	3214	Pulley—Cable pulley and mounting stud—Package of 5.....	.50
2770	Plate—Pickup damper plate—Package of 5.....	.50	3217	Lever—Check lever.....	.50
2771	Screw—Pickup damper plate mounting screw—Package of 10.....	.50	3261	Cap—Rubber cap for turntable spindle—Package of 5.....	.50
2857	Plug—Three way male connector plug.....	.70	3262	Screw and nut—Record transfer lever adjusting screw and nut—Package of 10.....	.60
2893	Spring—Trip lever spring—Package of 10.....	.60	7151	Back—Pickup back housing.....	.50
2896	Spring—Cable lever spring—Package of 10.....	.50	7186	Gear—Intermediate gear and bracket.....	1.40
2897	Screw and nut—Pickup arm cable adjusting screw and nut—Package of 5.....	.50	7188	Bracket—Slide bracket with roller.....	.75
2898	Screw and nut—Adjusting screw and nut for elevator shafts—Package of 10.....	.50	7189	Lever—Front and rear elevator cam lever—Package of 5.....	2.20
2902	Screw and nut—Motor turntable spindle thrust screw and nut—Package of 10.....	.50	7190	Lever—Locating lever.....	.85
2903	Screw—Motor mounting screw—Package of 10.....	.50	7191	Lever—Cable lever.....	.60
2904	Lever—Front elevator actuating lever.....	.50	7192	Cam—Cam gear and cam.....	1.50
2905	Screw—Gear and bracket mounting screw—Package of 10.....	.50	7194	Rotor and shaft—60 cycles.....	8.00
2906	Spring—Check lever spring—Package of 10.....	.50	7204	Rotor and shaft—50 cycles.....	8.00
2907	Screw—Clutch set screw—Package of 10.....	.50	7305	Gear reducing unit complete.....	4.50
2908	Spring—Gear reducing pawl spring—Package of 10.....	.50	7315	Spindle and gear—Turntable spindle with gear—25 cycles.....	6.00
2909	Spring—Four finger lever spring— $1\frac{3}{16}$ " long—Package of 10.....	.60	7316	Spindle and gear—Turntable spindle with gear—30 cycles.....	6.00
2910	Spring—Four finger lever spring— $1\frac{1}{16}$ " long—Package of 10.....	.60	7317	Spindle and gear—Turntable spindle with gear—50 cycles.....	5.00
2911	Screw—Slide bracket screw—Package of 10.....	.50	7318	Spindle and gear—Turntable spindle with gear—60 cycles.....	5.00
2912	Roller—Slide roller complete with screw stud—Package of 5.....	1.50	7319	Rotor and shaft—25 cycles.....	10.00
2913	Spring—Cable lever spring—Package of 10.....	.60	7320	Rotor and shaft—30 cycles.....	10.00
2914	Spring—Flat spring with screws—Package of 10.....	.50	7321	Lever—Cable guide lever with pulley.....	.90
2915	Spring—Locating lever spring—Package of 10.....	.50	7322	Lever—Manual Index lever.....	.60
2916	Plate—Latch plate with mounting screws—Package of 5.....	.60	7323	Magazine bearing—Located on top of motor board.....	1.35
2917	Washer—Spring washer—Package of 10.....	.50	7324	Pickup arm base.....	.85
2918	Spring—Index lever spring—Package of 10.....	.50	7325	Pickup—Pickup unit complete.....	12.50
2919	Screw and nut—Stop screw and nut—Package of 10.....	.50	7326	Turntable cover.....	.50
2920	Washer—Friction washer—Package of 10.....	.50	7330	Capacitor—Motor capacitor—3.75 Mfd.—For 25 or 30 cycles.....	4.00
2929	Lever—Rear elevator actuating lever—Package of 2.....	.50	7363	Pad—Rubber pad for front elevator—Package of 10.....	.50
3052	Screw assembly—Pickup pole shoe mounting screw, nut and washer—Package of 10 sets.....	.50	7364	Lever—Speed reducing shift lever.....	.50
3159	Friction brake—Gear reducing friction brake spring and pad with mounting rivet—Package of 4.....	2.00	8644	Capacitor—Motor capacitor—1.25 Mfd.—For 110 volts, 50 or 60 cycles.....	1.40
3161	Spring—Shift lever spring—Package of 5.....	1.20	8646	Slide—Main slide.....	2.20
3167	Magnet—Pickup magnet.....	2.60	8647	Lever—Four finger lever.....	1.20
3169	Pole shoe—Pickup pole shoe—R. H.....	1.45	8752	Motor—Motor complete—25 cycles.....	41.00
3170	Pole shoe—Pickup pole shoe—L. H.....	1.45	8753	Motor—Motor complete—30 cycles.....	41.00
3173	Plug—Three way female cord plug.....	1.30	8754	Motor—Motor complete—50 cycles.....	41.00
3186	Control—Record volume control and switch with mounting nut and washer.....	2.20	8755	Motor—Motor complete—60 cycles.....	33.50
3190	Clutch pawl.....	1.25	8756	Motor board—Motor board assembled with elevator bushings, turntable speed plate and shift lever.....	5.50
3191	Ratchet—Ratchet and gear with set screw.....	.90	8757	Arm—Pickup arm complete with weight—Less pickup unit.....	6.00
3192	Post—Roller post assembly—for supporting magazine.....	.75	8758	Record Magazine.....	4.00
3193	Screw—Magazine bearing mounting screw and nut—Package of 10.....	.50	8759	Turntable—Turntable with cover.....	5.00
3194	Screw—Pickup arm base mounting screw and nut—Package of 10.....	.50	CABINET		
3195	Lever—Record transfer lever with screws and nuts.....	1.65	2776	Catch—Door catch and strike with nail—Package of 2.....	.50
3196	Screw—Record transfer lever mounting screw and nut—Package of 10.....	.50	2785	Hinge—Lid hinge with mounting screws—Package of 2.....	.50
3197	Escutcheon—Turntable speed escutcheon plate with mounting rivets—Package of 2.....	.70	3222	Knob—Door knob—Package of 2.....	1.10
3198	Bushing—Insulating rubber bushing—Package of 10.....	.50	3223	Escutcheon—Metal escutcheon.....	.50
3199	Screw—Bottom plate mounting screw—Package of 10.....	.50	7095	Hinge—Door hinge—Set of 4.....	1.00
3200	Shaft—Front or rear elevator shaft.....	.80	7333	Mouldings—Front top rail end moulding—R. H. and L. H.—Package of 1 set.....	3.50
3201	Rear elevator pad—Package of 5.....	2.75	7334	Foot.....	1.00
3202	Front elevator pad—Package of 5.....	3.00	7335	Escutcheon—Wood escutcheon.....	1.50
3203	Screw—Elevator pad mounting screw—Package of 10.....	.50	8762	Baffle board and grill cloth.....	1.20
3204	Cable—Pickup arm cable—Package of 5.....	1.50	8763	Stretcher rail.....	6.95
3205	Screw—Pickup needle holder screw—Package of 10.....	.80	8764	Moulding—Front top rail center moulding.....	3.55
3206	Cover—Pickup cover.....	.75	8765	Leg.....	3.75
			8766	Doors—R. H. and L. H. end doors—Package of 1 pair.....	9.50
			8767	Mouldings—Control panel mouldings—Set of 9 pieces.....	2.25
			9388	Cabinet—Cabinet complete less equipment.....	110.60
			9389	Lid—Assembled.....	12.80
			9390	Control Panel.....	9.45

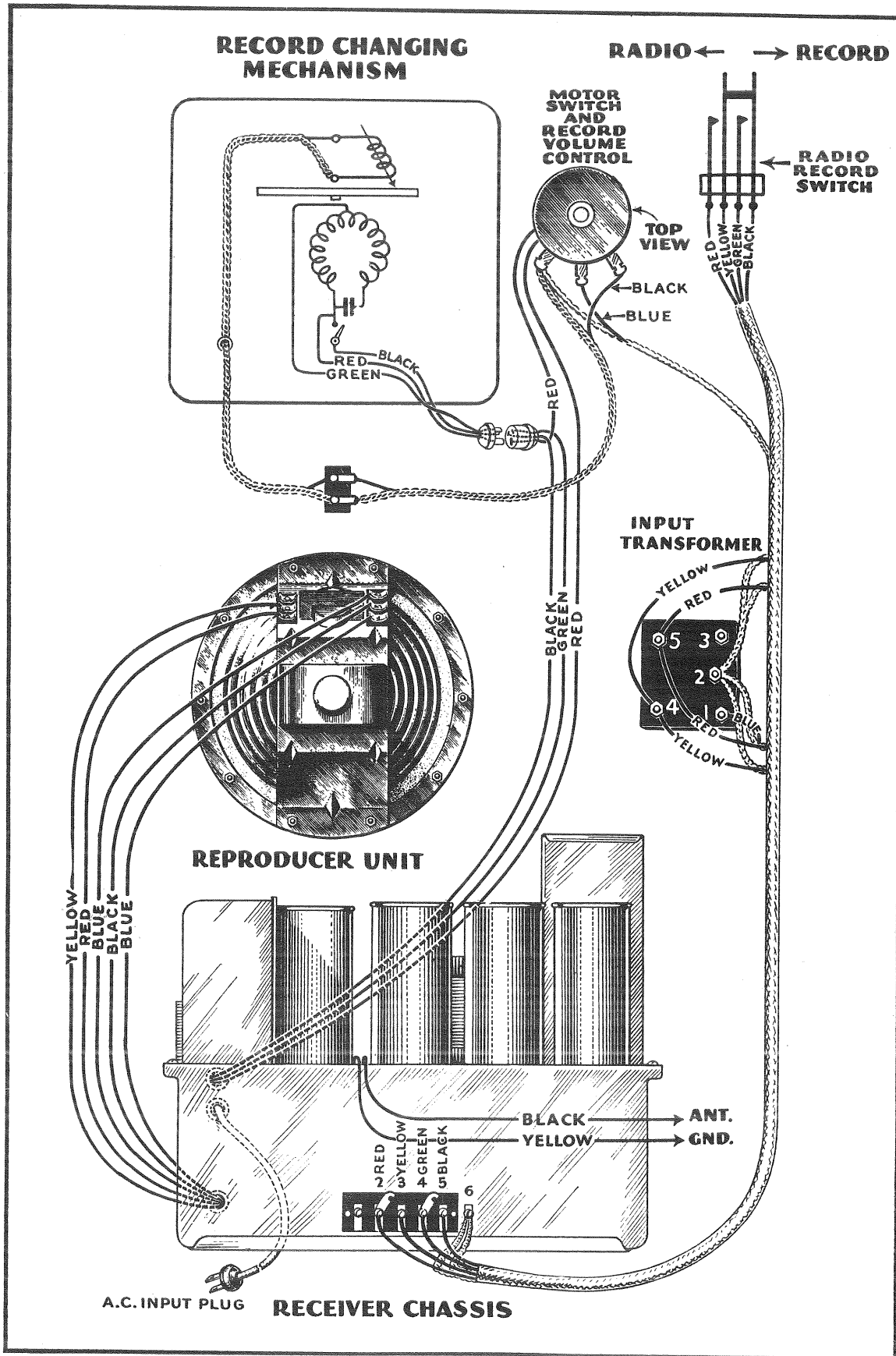


Figure 2—Assembly Wiring Diagram of RAE-26

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