

SERVICE NOTES

for

RCA Victor Radiola Electrola, RE-18

The RCA Victor Radiola Electrola RE-18 is a nine tube radio receiver combined with the RCA Victor Electrola equipment. Features of the radio receiver are, nine tube super-heterodyne radio receiver providing excellent sensitivity, selectivity, tone quality, a new type automatic volume control that is quiet between stations and push-pull Pentode output Radiotrons. New motor board equipment having a synchronous motor and the famous RCA Victor Inertia tone arm is used. The motor is fitted with a speed reducing gear that allows for the playing of both standard and Program Transcription records.

SERVICE DATA

A reference to the RCA Victor R-11 Service Notes will give the details of any service work required on the receiver assembly or loud-speaker. The details of service work on the magnetic pickup are covered in the Radiola 86 Service Notes. Figure 1 shows schematic diagram and Figure 2 the assembly wiring. The replacement parts are listed below.

REPLACEMENT PARTS

Stock No.	DESCRIPTION	List Price	Stock No.	DESCRIPTION	List Price
RECEIVER ASSEMBLY					
2563	Resistor—6,000 ohms—Carbon type—Package of 5...	\$3.00	3079	Resistor—40,000 ohms—Carbon type—Package of 5	\$2.50
2730	Resistor—18,000 ohms—Carbon type—Package of 5	2.00	3085	Capacitor—400 mmfd.....	.60
2734	Capacitor—745 mmfd.—Package of 5.....	2.20	3089	Terminal board—Magnetic pickup terminal board...	.50
2746	Socket—Dial lamp socket.....	.50	3090	Board—A. V. C. and 2nd detector R. F. choke mounting board—Less choke coils.....	.50
2747	Contact cap—Package of 5.....	.50	3091	Board—Resistor board—Less resistor and capacitors	1.00
2749	Capacitor—2400 mmfd.....	1.50	3092	Volume control—Complete with mounting nut.....	1.50
2875	Knobs—Package of 5.....	1.50	3093	Tone control—Complete with mounting nut.....	1.90
2882	Socket—UY Radiotron socket—Complete with insulating shield—8 used.....	.50	3094	Shield—Radiotron shield—1 used—Package of 2....	.50
2968	Socket—UX Radiotron socket—Complete with insulating shield—1 used.....	.50	3095	Coil—R. F. coil—Complete with mounting bracket..	1.90
2999	Shaft—Dial drum drive shaft.....	.50	3096	Coil—1st detector and oscillator coil—Complete with mounting bracket.....	3.55
3029	Indicator—Tuning dial indicator—Complete with bracket.....	.50	3097	Scale—Dial drum scale with set screws—Package of 2.....	.50
3046	Resistor—190,000 ohms—Carbon type—Package of 5.....	2.50	3098	Capacitor—0.008 mfd.....	.50
3047	Resistor—1500 ohms—Carbon type—Package of 5...	2.50	3099	Capacitor—0.005 mfd.....	.75
3048	Resistor—500,000 ohms—Carbon type—Package of 5.....	2.50	7054	Cord—Power cord.....	1.00
3049	Resistor—150 ohms—Carbon type—Package of 5...	2.50	7062	Capacitor—Adjustable oscillator trimmer capacitor—15-70 mmfd.....	1.00
3050	Resistor—14,000 ohms—Carbon type—Package of 1	.60	7241	Capacitor—3 gang tuning capacitor with mounting screws and washers.....	8.00
3051	Resistor—5 megohm—Carbon type—Package of 5...	2.00	7266	Transformer—1st intermediate transformer.....	3.00
3053	Capacitor—9 mmfd.—Package of 2.....	.50	7267	Transformer—2nd intermediate transformer.....	3.00
3055	Cushion—Chassis support cushion—Package of 4....	.50	7268	Coil—Detector or A. V. C. R. F. choke coil—Complete with mounting rivet.....	.60
3056	Shield—Radiotron shield—6 used—Package of 2....	.50	7269	Capacitor pack—In metal container—60 cycle.....	7.25
3076	Resistor—1 megohm—Carbon type—Package of 5...	2.50	7270	Reactor—Filter reactor.....	4.00
3077	Resistor—30,000 ohms—Carbon type—Package of 5	2.50			
3078	Resistor—10,000 ohms—Carbon type—Package of 5	2.50			

REPLACEMENT PARTS (Continued)

Stock No.	DESCRIPTION	List Price	Stock No.	DESCRIPTION	List Price
7271	Transformer—Interstage transformer	\$4.25	6121	Bearing—Turntable spindle bearing and grease cap . .	\$1.10
7272	Transformer—Power transformer—105-125 volts, 50-60 cycles	12.00	7093	Cover—Pickup cover . . . . .	.50
7273	Capacitor pack—By-pass capacitor pack—25-40 cycles	10.00	7151	Back—Pickup housing back . . . . .	.50
7274	Transformer—Power transformer—105-125 volts, 25-40 cycles	15.00	7180	Brake—Automatic brake complete	3.40
7275	Transformer—Power transformer—220 volts, 50-60 cycles	10.00	7305	Gear—Reducing unit complete	4.50
	LOUDSPEAKER ASSEMBLY		7332	Cable—Main cable from receiver to input transformer radio-record switch and volume control	2.30
3237	Speaker mounting screw assembly—Comprising 4 screws, 4 washers, 4 nuts and 4 eyelets—Package of 1 set . . . . .	.50	7387	Reactor—Tone compensating reactor with mounting bracket . . . . .	.85
7257	Coil—Cone support with retaining ring, magnet and field coil	6.00	7388	Spindle—Turntable spindle with fibre gear—60 cycle	6.00
7258	Transformer—Output transformer	1.70	7389	Rotor and shaft—60 cycles	9.00
8559	Ring—Cone retaining ring . . . . .	.80	7390	Motor mounting washers and springs—Comprising 3 "C" washers, 9 cup washers, 6 springs and 3 flat washers—Package of 1 set . . . . .	.75
8601	Cone—Cone with voice coil—Package of 5	15.00	7391	Volume control—Record volume control with mounting nut and washer	1.35
	MOTOR BOARD ASSEMBLIES		7392	Holder—Needle holder . . . . .	.75
X13	Board—Motor board	5.85	7393	Block—Pickup connector block and wire . . . . .	.90
2614	Switch—Automatic brake switch	1.40	7394	Pickup—Unit complete	12.50
2615	Spring—Automatic brake springs—Set of 4—Package of 2 sets . . . . .	.50	7400	Turntable spindle and gear—25 cycles	8.00
2620	Cushions—Pickup rubber cushions comprising 2 pivots and 1 damper cushion—Package of 5 sets	1.25	7401	Rotor and shaft—25 cycles	10.00
2765	Screw needle holding screw—Package of 10 . . . . .	.80	7402	Turntable spindle and gear—30 cycles	8.00
2766	Screw—Pickup cover mounting screw—Package of 10 . . . . .	.50	7403	Rotor and shaft—30 cycles	10.00
2767	Spring—Pickup magnet retaining spring—Package of 10 . . . . .	.50	7414	Top plate—Top plate with two bronze rotor shaft bearings	3.50
2768	Armature—Pickup armature . . . . .	.50	7415	Field and field coils—50-60 cycles—Assembled	6.25
2769	Coil—Pickup coil . . . . .	.50	7416	Field and field coils—25-30 cycles—Assembled	7.00
2770	Plate—Pickup damper plate complete—Package of 5 . . . . .	.50	8731	Lever—Shift lever assembly complete	1.60
2771	Screw—Pickup damper plate mounting screw—Package of 10 . . . . .	.50	8795	Motor—Motor complete—60 cycles	19.85
2774	Trip rod—Pickup arm trip rod with mounting nut—Package of 5 . . . . .	.50	8796	Arm—Pickup arm complete less pickup unit	6.00
2908	Spring—Shift lever and pawl carrier spring—Package of 10 . . . . .	.50	8800	Motor—Motor complete—25 cycles	24.65
3052	Screw assembly—Pickup pole shoe mounting screw, nut and washer—Package of 10 sets . . . . .	.50	8801	Motor—Motor complete—30 cycles	24.65
3157	Gear—Driving gear—Located on turntable spindle above top plate	1.00	10184	Plate—Automatic brake trip plate with mounting screws—Package of 5 . . . . .	.60
3159	Friction brake—Gear reducing friction brake spring with mounting rivet and pad—Package of 4	2.00		MISCELLANEOUS	
3160	Escutcheon—Speed escutcheon plate with mounting screws—Package of 2 . . . . .	.90	2759	Box—Needle box with lid—Package of 2 . . . . .	.60
3167	Magnet—Pickup magnet	2.60	3102	Receptacle for Tungstone needle boxes . . . . .	.75
3169	Pole shoe—R.H. pole shoe	1.45	7084	Turntable covering . . . . .	.50
3170	Pole shoe—L.H. pole shoe	1.45	7312	Transformer—Input transformer	6.55
3211	Washer—Turntable spindle leather washer—Package of 10 . . . . .	.50	8733	Turntable with cover	4.60
3224	Switch—Radio-Record changeover switch with mounting nut and washer	1.35		CABINET	
3278	Bearing—Fibre rotor shaft thrust bearing and cork button—Package of 10 . . . . .	.50	X14	Baffle board and grille cloth	1.30
3279	Screw and Nut—Rotor shaft thrustbearing adjusting screw and lock nut—Package of 10 . . . . .	.50	X15	Escutcheon—Tuning dial escutcheon	1.45
3280	Washer—Metal washer located on turntable underneath gear reducing unit—Package of 20 . . . . .	.50	X16	Stretcher	4.70
3281	Pawl—Gear reducing pawl with mounting stud . . . . .	.50	X17	Foot	1.00
6119	Motor hanging stud—Package of 6 . . . . .	.50	X18	Leg	3.55
6120	Screw—For holding turntable spindle bearing—Package of 10 . . . . .	.50	X19	Lid	12.00
			X20	Control Panel	7.10
			X21	Overlay—Front top rail end overlay R.H. or L.H.	1.25
			X22	Overlay—Front top rail center overlay	2.65
			X23	Mouldings—Control panel mouldings—1 set	1.60
			2785	Hinge—Cabinet lid hinge with mounting screws—Package of 2 . . . . .	.50
			3156	Label—Metal trade mark label—Package of 5	2.50
			7082	Support—Lid support	2.00
			7395	Support—Screen support . . . . .	.50
			9397	Cabinet—Cabinet complete less equipment	74.50
			10901	Spring—Lid support spring—Package of 250

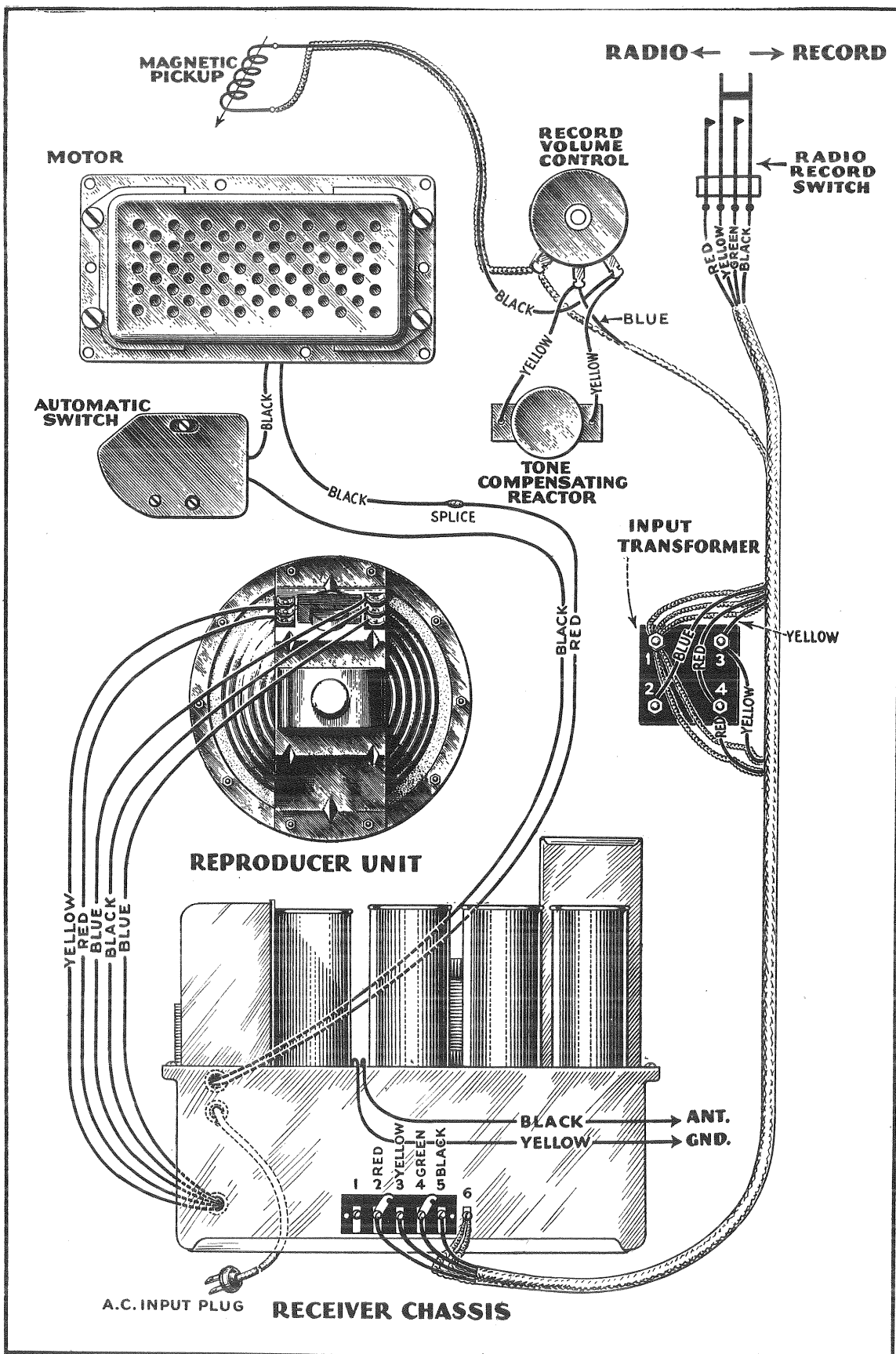


Figure 2—Assembly Wiring Diagram of RE-18

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