

SERVICE NOTES

for

RCA Victor RE-19

ELECTRICAL SPECIFICATIONS

Voltage Rating.....105-125 Volts Frequency Rating.....25, 30, 50 or 60 Cycles Power Consumption.....25 ~ 135 Watts, 30 ~ 140 Watts, 50 ~ 135 Watts, 60 ~ 130 Watts Type of Circuit.....Automatic volume control Super-Heterodyne using Super-Control Radiotrons and single Pentode output stage Type and Number of Radiotrons....1 UY-224, 2 RCA-235, 3 UY-227, 1 RCA-247, 1 UX-280 —Total 8 Number of R. F. Stages.....1 Type of First Detector.. Tuned Input Grid Bias Number of Intermediate Stages.....1	Type of Second Detector.....Power Grid Bias Type of Tone Control.... Variable resistance in series with condenser across secondary of interstage audio transformer Number of Audio Stages (Radio).....1 Number of Audio Stages (Phonograph).....2 Type of Magnetic Pick-Up.....Low Impedance Type of Tone Arm.....Inertia Diameter of Turntable.....12 inches Type of Rectifier.....Full Wave, UX-280 Type of Loudspeaker.....Electro-Dynamic Undistorted Output.....2.5 Watts
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PHYSICAL SPECIFICATIONS

Height.....42 inches	Width.....24 $\frac{1}{4}$ inches	
Depth.....15 $\frac{1}{4}$ inches	Weight Alone.....92 lbs.	
Weight Packed for Shipment.....140 lbs.		

RCA Victor RE-19 is an eight tube Super-Heterodyne combination radio receiver and electric phonograph. The chassis used is similar to the R-12 with the exception that terminals for attaching a magnetic pickup are provided. The motor board assembly is similar to the RE-18. Reference to previous RCA Victor Service Notes should be made for service information relative to these assemblies. The replacement parts are given below and the diagrams on the following pages.

REPLACEMENT PARTS

Stock No.	DESCRIPTION	List Price	Stock No.	DESCRIPTION	List Price
RECEIVER ASSEMBLY					
2563	Resistor—6,000 ohms—Carbon type—1 watt—Package of 5.....	\$3.00	3251	Coil—R.F. choke coil.....	\$0.90
2734	Capacitor—745 mmfd.—Package of 5.....	2.20	6179	Terminal—Single ground terminal—Complete with mounting rivet—Package of 5.....	.50
2746	Socket—Dial lamp socket.....	.50	6185	Resistor—100,000 ohms—Carbon type— $\frac{1}{2}$ watt—Package of 5.....	2.00
2747	Cap—Grid contactor cap—Package of 5.....	.50	6186	Resistor—500,000 ohms—Carbon type— $\frac{1}{2}$ watt—Package of 5.....	2.00
2749	Capacitor—2400 mmfd.....	1.50	6187	Resistor—300,000 ohms—Carbon type— $\frac{1}{2}$ watt—Package of 5.....	2.00
2875	Knob—Tuning control, volume control or tone control knob—Package of 5.....	1.50	6188	Resistor—2 megohm—Carbon type— $\frac{1}{2}$ watt—Package of 5.....	2.00
2882	Socket—Five contact Radiotron socket—Complete with insulator—7 used.....	.50	6189	Bracket—Dial lamp bracket and indicator—Package of 2.....	.65
2963	Resistor—8,000 ohms—Carbon type—1 watt—Package of 5.....	2.50	6191	Cord—Tuning condenser drive cord—Package of 5.....	.55
2968	Socket—Four contact Radiotron socket complete with insulator.....	.50	6192	Spring—Dial drum drive cord tension spring—Package of 10.....	.50
2970	Resistor—500,000 ohms—Carbon type—1 watt—Package of 5.....	2.50	6214	Board—Magnetic pickup terminal board—Package of 2.....	.70
3003	Cushion—Receiver sponge rubber cushion—Package of 4.....	.50	7054	Cord—Power cord.....	1.00
3024	Capacitor—9 mmfd.—Package of 2.....	.50	7062	Capacitor—Adjustable capacitor—15-70 mmfd.....	1.00
3045	Resistor—40,000 ohms—Carbon type—1 watt—Package of 5.....	2.50	7298	Capacitor—0.01 mfd.....	.80
3048	Resistor—500,000 ohms—Carbon type— $\frac{1}{2}$ watt—Package of 5.....	2.50	7340	Transformer—First intermediate transformer.....	3.00
3049	Resistor—150 ohms—Carbon type— $\frac{1}{2}$ watt—Package of 5.....	2.50	7341	Transformer—Second intermediate transformer.....	3.00
3056	Shield—Radiotron shield—4 used—Package of 2.....	.50	7342	Capacitor—Comprising two 0.05 mfd., four 0.5 mfd., one 10.0 mfd., two 4.0 mfd., and four 0.1 mfd. capacitors in metal container.....	7.85
3076	Resistor—1 megohm—Carbon type— $\frac{1}{2}$ watt—Package of 5.....	2.50	7343	Transformer—Audio transformer.....	3.85
3077	Resistor—30,000 ohms—Carbon type— $\frac{1}{2}$ watt—Package of 5.....	2.50	7344	Transformer—Power transformer—105-125 volts, 50-60 cycles.....	8.00
3078	Resistor—10,000 ohms—Carbon type— $\frac{1}{2}$ watt—Package of 5.....	2.50	7348	Board—Resistor board complete less resistors and capacitors.....	2.30
3079	Resistor—40,000 ohms—Carbon type— $\frac{1}{2}$ watt—Package of 5.....	2.50	7362	Capacitor—0.025 mfd.....	1.00
3081	Resistor—16,000 ohms—Carbon type—3 watts.....	.60	7438	Capacitor—Variable tuning capacitor.....	5.20
3092	Volume control—Volume control complete with mounting nut.....	1.50	7439	Drum—Dial drive drum with set screws complete with 3 dial scale mounting nuts.....	.50
3095	Coil—R.F. coil complete with mounting bracket.....	1.90	7440	Scale—Dial and dial scale.....	.75
3234	Tone control—Tone control complete with mounting nut.....	1.90	8770	Transformer—Power transformer—105-125 volts, 25-40 cycles.....	12.00
3235	Coil—First detector and oscillator coil.....	2.85	8771	Transformer—Power transformer—220 volts, 60 cycles.....	9.00
			8837	Support—Receiver metal mounting support—Package of 4.....	.70

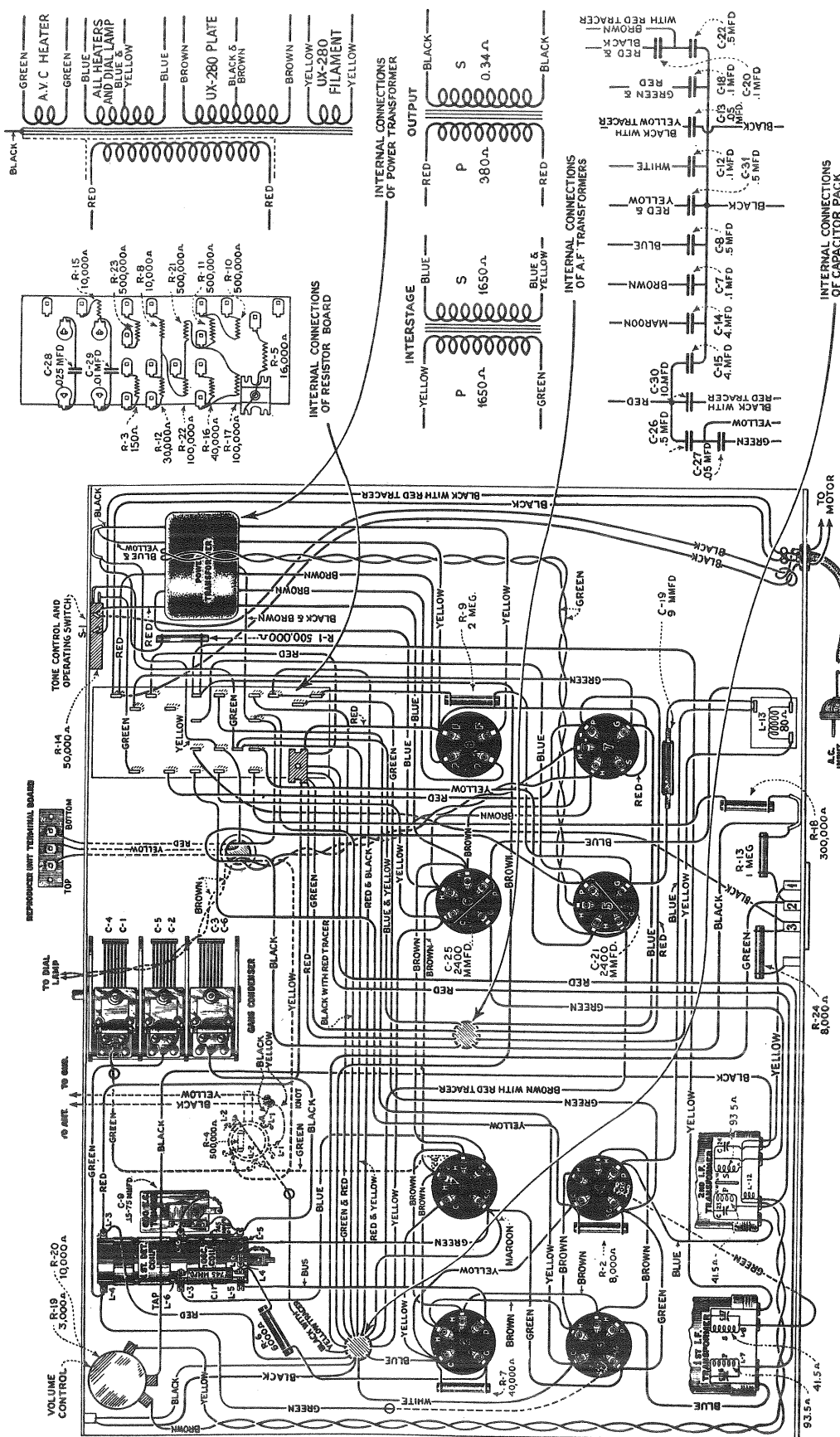


Figure 1—Wiring Diagram

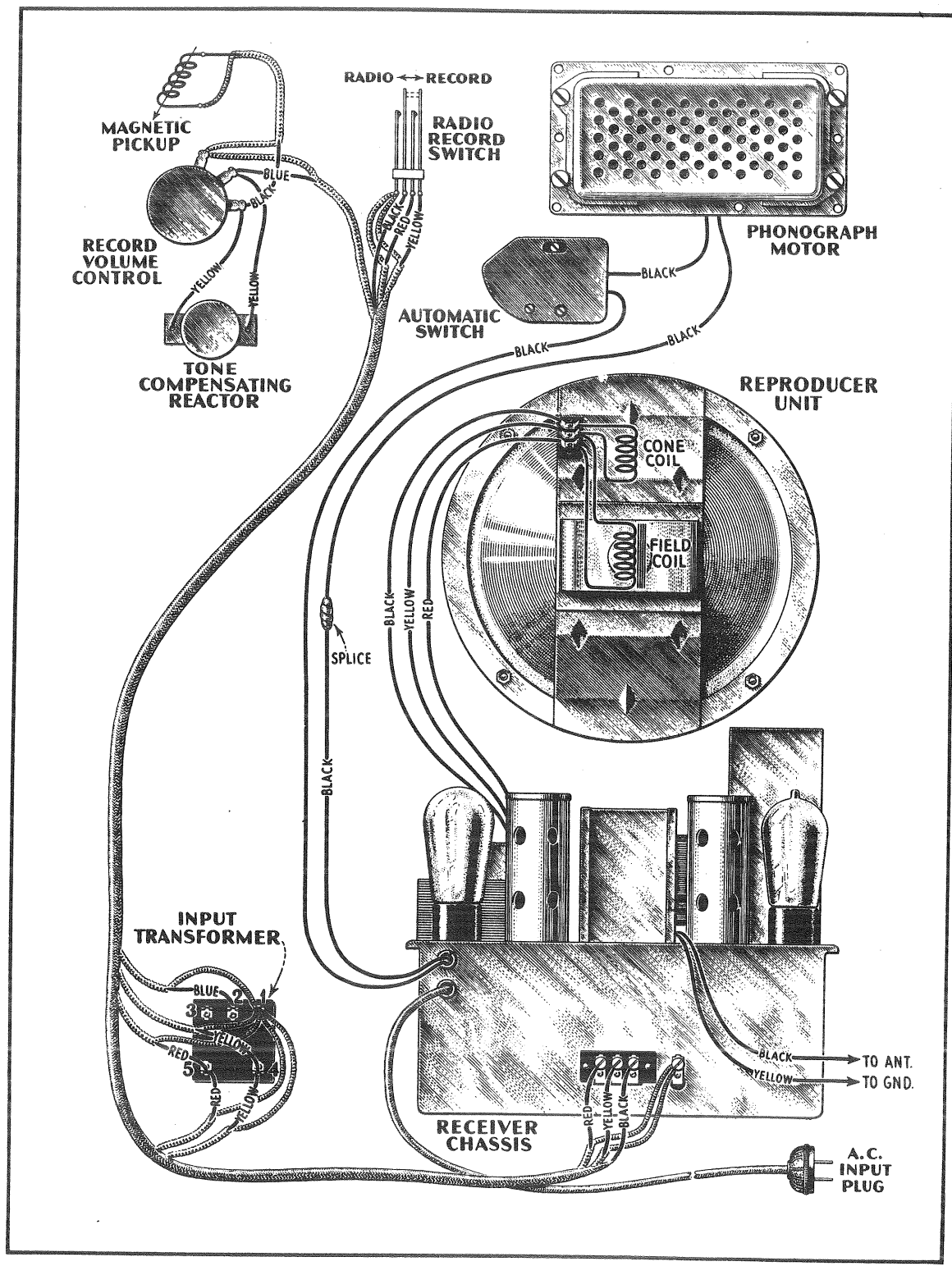


Figure 3—Assembly Wiring

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