



# RCA Victor

## MODELS 9X6, 9X11, 9X12, 9X13, and 9X14

Chassis No. RC-350A

Four-Tube, Single-Band, AC-DC, T-R-F Receiver

## TECHNICAL INFORMATION AND SERVICE DATA

—1938 No. 16A—

SERVICE DIVISION • RCA MANUFACTURING COMPANY, INC. • CAMDEN, N. J., U. S. A.

*A Service of the Radio Corporation of America*

### Electrical and Mechanical Specifications

Frequency Range..... 540-1,760 kc  
 Alignment Frequency..... 1,760 kc (ant., det.)

**RCA TUBE COMPLEMENT**

(1) RCA-6K7..... R-F Amp.  
 (2) RCA-6J7..... Detector  
 (3) RCA-25L6..... Output  
 (4) RCA-25Z6..... Rectifier

Dial Lamp..... Mazda No. 40, 6.3 volts, .15 amps.

**POWER SUPPLY RATINGS**

A-C Rating..... 105-125 volts, 50-60 cycles, 50 watts  
 D-C Rating..... 105-125 volts, 50 watts

**POWER OUTPUT (125-volt, 60-cycle supply)**  
 Undistorted..... 1.0 watt  
 Maximum..... 1.5 watts

**LOUDSPEAKER**

Type..... 8-inch Electrodynamic  
 Voice-Coil Impedance..... 3 ohms at 400 cycles

Height..... 5 $\frac{1}{2}$  inches  
 Width..... 7 $\frac{1}{2}$  inches  
 Depth..... 4 $\frac{7}{16}$  in.  
 Cabinet Dimensions..... 5 $\frac{1}{2}$  inches .. 7 $\frac{1}{2}$  inches .. 4 $\frac{7}{16}$  in.  
 Chassis Base..... 1 $\frac{1}{2}$  inches .. 5 $\frac{1}{2}$  inches .. 3 $\frac{1}{2}$  inches  
 Over-all Chassis Height..... 4 inches  
 Weight..... 4 $\frac{1}{2}$  lbs. (Net), 5 lbs. (Shipping)  
 Operating Controls..... (1) Power Switch—Volume; (2) Tuning

### Alignment Procedure

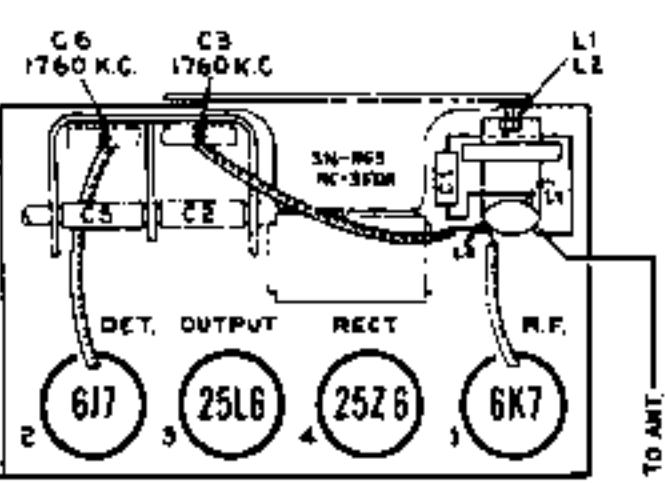
Reel up the antenna wire, and keep it away from chassis during alignment. Connect the high side of test-oscillator through an 80 mfd. capacitor to the antenna terminal. Connect low side of oscillator to receiver chassis through a 0.1 mfd. capacitor. Turn gang condenser to minimum (full out), tune oscillator to 1,760 kc, connect an output meter across the voice coil, and turn volume control to maximum.

Adjust the two trimmers (C3 and C6) on side of gang condenser for maximum output, using lowest possible output from test-oscillator.

**Pre-setting Dial.**—With gang condenser rotor plates turned full in for maximum capacity, loosen dial-drum set-screw, and turn drum so that the top edge of dial (low-frequency end) is approximately 1/16-in. below level of gang frame, and tighten set-screw.



Model 9X6, wood, walnut.  
 Model 9X11, catalin, Brazilian onyx, green.  
 Model 9X12, catalin, jet black.  
 Model 9X13, catalin, Arizona onyx, cream.  
 Model 9X14, catalin, burl onyx, brown.

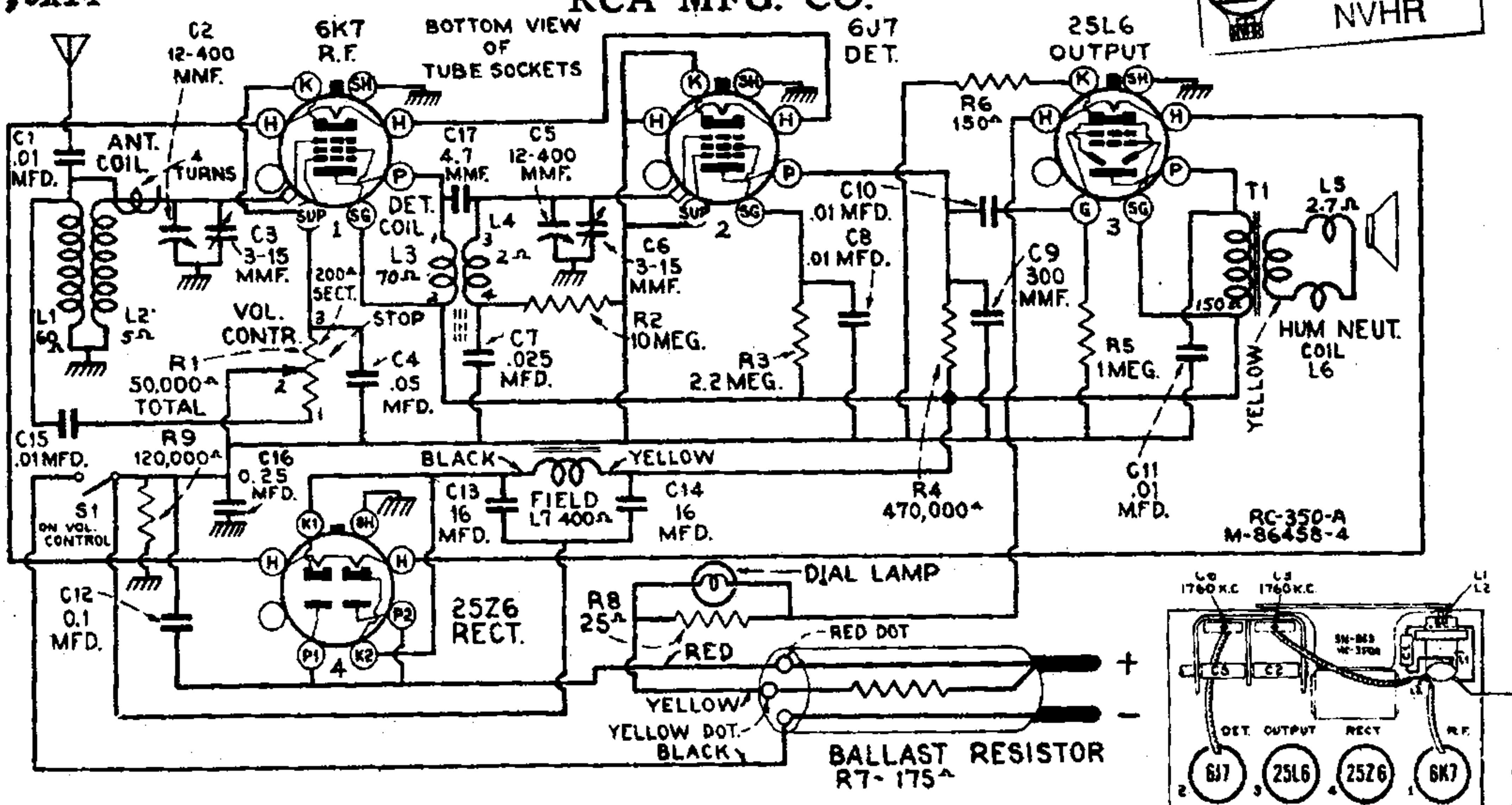


### Replacement Parts

Insist on genuine factory-tested parts, which are readily identified and may be purchased from authorized dealers.

STOCK No.	DESCRIPTION	STOCK No.	DESCRIPTION
14392	Capacitor—4.7 mfd. (C17).....	13601	Resistor—10 meg., $\frac{1}{2}$ watt (R2).....
30883	Capacitor—300 mfd. (C9).....	4387	Screw—No. 6-32 headless set screw for drum, Stock No. 31315.....
14393	Capacitor—.01 mfd. (C15).....	31318	Socket—Dial lamp socket.....
4870	Capacitor—.025 mfd. (C7).....	31319	Socket—Tube socket.....
30882	Capacitor—.05 mfd. (C4).....	32029	Transformer—Output transformer (T1).....
30899	Capacitor—0.1 mfd. (C12).....	32028	Volume control and power switch (R1, S1).....
12484	Capacitor—0.25 mfd. (C16).....		<b>SPEAKER ASSEMBLIES (86309-2)</b>
31323	Capacitor—16 mfd. (C13, C14).....	31325	Cone—Speaker cone and voice coil (L5).....
30875	Ceil—Antenna coil (L1, L2).....	32025	Speaker complete.....
32027	Coil—R-f coil (L3, L4).....		<b>MISCELLANEOUS ASSEMBLIES</b>
31321	Condenser—2-gang variable tuning condenser (C2, C3, C5, C6).....	31328	Escutcheon—Station selector dial escutcheon— Model 9X6.....
32030	Cord—Resistance power cord (R7).....	31915	Escutcheon—Station selector dial escutcheon— Models 9X11, 9X12, 9X13 and 9X14 only.....
31314	Dial—Station selector dial scale.....	31914	Knob—Station selector or volume control knob —Models 9X12 and 9X13 only.....
31315	Drum—Station selector dial scale drum—less scale.....	31204	Knob—Station selector or volume control knob —Models 9X6, 9X11 and 9X14 only.....
4340	Lamp—Dial lamp.....	30900	Spring—Retaining spring for knobs.....
31193	Lead—Antenna lead—approximately 25 ft. long.		
32028	Resistor—25 ohms, 3 watts, wire wound (R8).....		
13428	Resistor—150 ohms, $\frac{1}{2}$ watt (R6).....		
13734	Resistor—120,000 ohms, $\frac{1}{2}$ watt (R9).....		
12285	Resistor—470,000 ohms, $\frac{1}{2}$ watt (R4).....		
13730	Resistor—1 meg., $\frac{1}{2}$ watt (R5).....		
12679	Resistor—2.2 meg., $\frac{1}{2}$ watt (R8).....		

MODELS 9X6, 9X11, 9X12,  
9X13, 9X14

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**NVHR**


## RCA MFG. CO.

MODELS 9X6, - 11, - 12, - 13, - 14

(RC-350A) Replacement Parts

STOCK No.	DESCRIPTION
<b>RECEIVER ASSEMBLIES</b>	
14392	Capacitor—4.7 mmfd. (C17).....
30883	Capacitor—300 mmfd. (C9).....
14393	Capacitor—.01 mfd. (C18).....
4870	Capacitor—.025 mfd. (C7).....
30882	Capacitor—.05 mfd. (C4).....
30888	Capacitor—0.1 mfd. (C12).....
12484	Capacitor—0.25 mfd. (C16).....
31323	Capacitor—16 mfd. (C13, C14).....
30875	Coil—Antenna coil (L1, L2).....
32027	Coil—R-f coil (L3, L4).....
31321	Condenser—2-gang variable tuning condenser (C2, C3, C5, C6).....
32030	Cord—Resistance power cord (R7).....
31314	Dial—Station selector dial scale.....
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4340	Lamp—Dial lamp.....
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32028	Resistor—25 ohms, 3 watts, wire wound (R8).....
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12285	Resistor—470,000 ohms, $\frac{1}{2}$ watt (R4).....
13730	Resistor—1 meg., $\frac{1}{2}$ watt (R5).....
12679	Resistor—2.2 meg., $\frac{1}{2}$ watt (R3).....
13601	Resistor—10 meg., $\frac{1}{2}$ watt (R2).....
4387	Screw—No. 6-32 headless set screw for drum, Stock No. 31315.....
31318	Socket—Dial lamp socket.....
31319	Socket—Tube socket.....
32029	Transformer—Output transformer (T1).....
32028	Volume control and power switch (R1, S1).....

MODELS 9X6, 9X11, 9X12,  
9X13, 9X14  
**MODEL X-55**

Dial Lamp..... Mazda No. 40, 6.3 volts, .15 amps.

**POWER SUPPLY RATINGS**

A-C Rating..... 105-125 volts, 50-60 cycles, 50 watts

D-C Rating..... 105-125 volts, 50 watts

**POWER OUTPUT (125-volt, 60-cycle supply)**

Undistorted..... 1.0 watt

Maximum..... 1.5 watts

**LOUDSPEAKER**

Type..... 3-inch Electrodynamic

Voice-Coil Impedance..... 3 ohms at 400 cycles

**Alignment Procedure**

Reel up the antenna wire, and keep it away from chassis during alignment. Connect the high side of test-oscillator through an 80 mmfd. capacitor to the antenna terminal. Connect low side of oscillator to receiver chassis through a 0.1 mfd. capacitor. Turn gang condenser to minimum (full out), tune oscillator to 1,760 kc, connect an output meter across the voice coil, and turn volume control to maximum.

Adjust the two trimmers (C8 and C6) on side of gang condenser for maximum output, using lowest possible output from test-oscillator.

Pre-setting Dial.—With gang condenser rotor plates turned full in for maximum capacity, loosen dial-drum set-screw, and turn drum so that the top edge of dial (low-frequency end) is approximately 1/16-in. below level of gang frame, and tighten set-screw.

**SPEAKER ASSEMBLIES  
(86309-2)**

31325	Cone—Speaker cone and voice coil (L5).....
32025	Speaker complete.....

**MISCELLANEOUS ASSEMBLIES**

31328	Escutcheon—Station selector dial escutcheon—Model 9X6.....
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31915	Escutcheon—Station selector dial escutcheon—Models 9X11, 9X12, 9X13 and 9X14 only.....
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31914	Knob—Station selector or volume control knob—Models 9X12 and 9X13 only.....
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31204	Knob—Station selector or volume control knob—Models 9X6, 9X11 and 9X14 only.....
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30900	Spring—Retaining spring for knobs.....
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