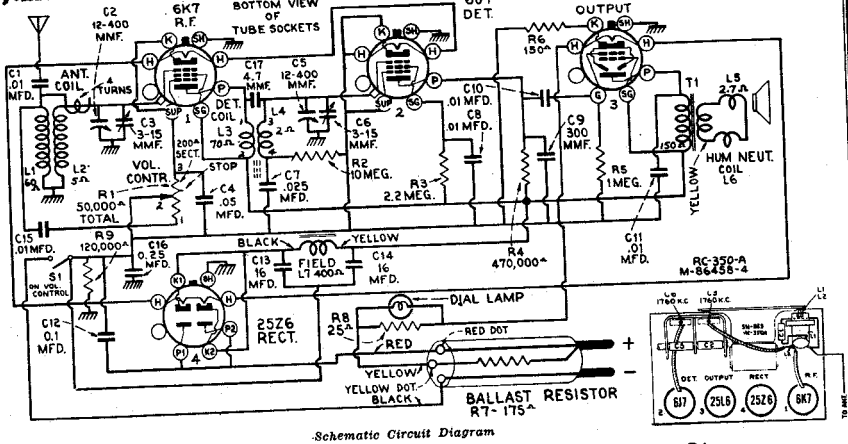
R.C.A. Victor Co., Inc.

	Model: 9X6	**Chassis:**	**Year:** Pre 1948
	Power:	**Circuit:**	**IF:**
	Tubes:		
	Bands:		

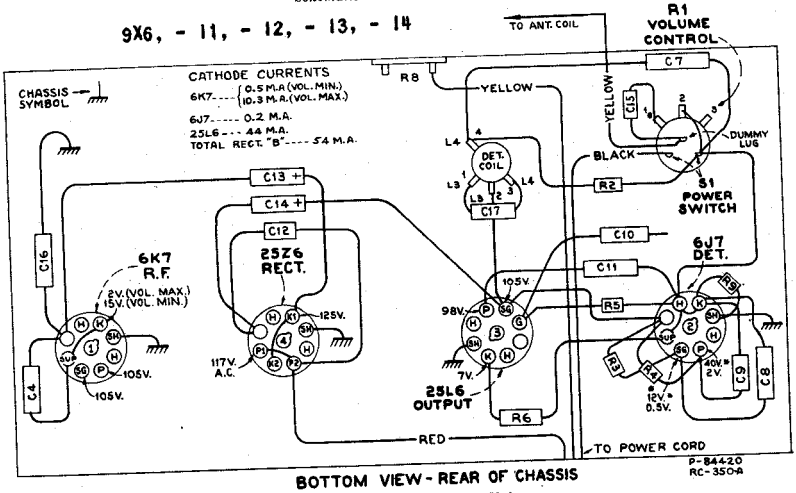
Resources
Riders 15 (XV) RCA 15-2
Riders 15 (XV) RCA 15-3

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

RCA MFG. CO.



Schematic Circuit Diagram



BOTTOM VIEW - REAR OF CHASSIS

R-F Wiring Diagram and Socket Voltages

* Note: Values with (*) are operating voltages. Values not starred are actual measured voltages.

Measurements made to common negative line, unless otherwise specified.

Measurements made with set tuned to quiet point, volume control at minimum, using 1,000-ohm-per-volt meter, having ranges of 10, 50, and 250 volts. (Use nearest range above the specified measured voltage.)

Values should hold within approximately ± 20% for 117-volt 60-cycle a-c supply. On d-c, voltages are approximately 10% lower, except heaters, which remain the same.

Precautionary Lead Dress

1. Dress green lead from antenna coil to gang up from speaker chassis.
2. Green lead from gang to grid of 6J7 must be dressed down and away from top of bracket, and centered in gang section.
3. Green lead from detector coil to gang must be dressed under pilot lamp bracket: Any excess wire should be pulled through to under side of chassis.
4. Pilot lamp leads must be dressed clear of gang rotor.
5. Magnetite core in detector coil must not be in contact with base or mounting screw.

Power-Supply Polarity.—For operation on d-c, the power plug must be inserted in the outlet for correct polarity. If the set does not function, reverse the plug. On a-c, reversal of the plug may reduce hum.

Antenna.—The set is equipped with a 25-foot antenna. Do not connect the antenna to ground. If an outdoor antenna is used, it should not be longer than 100 feet, including lead-in. If it is longer, connect a 100 to 200 mmfd. capacitor in series with the lead-in.

25-Cycle Operation

For 25-cycle operation, connect a 16 mfd., 150-volt dry electrolytic capacitor (Stock No. 31323) in parallel to C13.

RCA MFG. CO.

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

MODELS 9X6, - 11, - 12, - 13, - 14 (RC-350A) Replacement Parts

STOCK No.	DESCRIPTION
	RECEIVER ASSEMBLIES
14392	Capacitor—4.7 mmfd. (C17)
30883	Capacitor—300 mmfd. (C9)
14393	Capacitor—.01 mfd. (C15)
4870	Capacitor—.025 mfd. (C7)
30882	Capacitor—.05 mfd. (C4)
30889	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
31315	Drum—Station selector dial scale drum—less scale
4340	Lamp—Dial lamp
31193	Lead—Antenna lead—approximately 25 ft. long.
32028	Resistor—25 ohms, 3 watts, wire wound (R8).
13428	Resistor—150 ohms, ½ watt (R6)
13734	Resistor—120,000 ohms, ½ watt (R9)
12285	Resistor—470,000 ohms, ½ watt (R4)
13730	Resistor—1 meg., ½ watt (R5)
12679	Resistor—2.2 meg., ½ watt (R3)
13601	Resistor—10 meg., ½ 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)

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 (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.

	SPEAKER ASSEMBLIES (86309-2)
31325	Cone—Speaker cone and voice coil (L5)
32025	Speaker complete
	MISCELLANEOUS ASSEMBLIES
31326	Escutcheon—Station selector dial escutcheon—Model 9X6
31915	Escutcheon—Station selector dial escutcheon—Models 9X11, 9X12, 9X13 and 9X14 only
31914	Knob—Station selector or volume control knob —Models 9X12 and 9X13 only
31204	Knob—Station selector or volume control knob —Models 9X6, 9X11 and 9X14 only
30900	Spring—Retaining spring for knobs

Adjustments for Push-Button Tuning MODEL X-55

The push-buttons should be adjusted for six favorite stations after the receiver has been operating for a brief warm-up period. Each button may be set up to any standard broadcast station. The preferable arrangement is to adjust for stations in the order of frequency, from low to high. Proceed as follows:

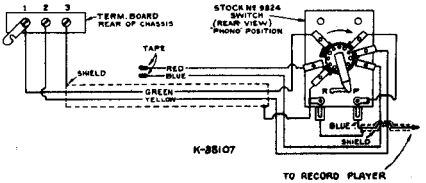
1. Pull off the push-buttons and loosen the push-button rods with a small screwdriver.

2. Turn the accessory switch to "Radio" position and accurately tune in the station for which the first button is to be set.

3. Press in push-button rod No. 1 (left) with the screwdriver, as far as it will go without undue pressure, hold in, retune station with manual control if necessary for best reception, and then carefully tighten up the rod. Do not tighten more than ¼ turn after the rod begins to grip or damage to the mechanism may result.

4. Replace the push-button on its shaft.

5. Proceed in a similar manner for the remainder of the push-buttons.



Record Player Connections, Using a No. 9824 Switch

STOCK No.	DESCRIPTION
	CHASSIS ASSEMBLY (RC-473A)
33719	Belt—Push button arm adjustment belt and rivets
34024	Board—"Antenna-Ground" board
34025	Board—"Radio-Phono" board
33731	Button—Push button
12720	Capacitor—100 mmfd., moulded mica
12725	Capacitor—150 mmfd., moulded mica
34213	Capacitor—430 mmfd., mica
30433	Capacitor—470 mmfd., moulded mica
14393	Capacitor—.01 mfd., 300 volt
11315	Capacitor—.015 mfd., 400 volt
32787	Capacitor—.05 mfd., 400 volt
4839	Capacitor—0.1 mfd., 400 volt
34505	Capacitor—0.2 mfd., 300 volt
34212	Capacitor—Electrolytic comprising 2 sections of 50 mfd. each, 150 volts
33724	Coil—Oscillator coil (L1)
33728	Condenser—Tuning condenser and drum assembly
33631	Control—Volume control and power switch (S1)
32834	Cord—Tuning condenser drive cord
33633	Indicator—Station selector pointer
11765	Lamp—Pilot lamp—Mazda No. 51
33721	Loop—Antenna loop
33727	Plate—Dial plate frame
30880	Resistor—150 ohm, ½ W.
30152	Resistor—1,000 ohms, 1 W.
12454	Resistor—33,000 ohms, ½ W.
12412	Resistor—47,000 ohm, ½ W.
12264	Resistor—220,000 ohms, ½ W.

STOCK No.	DESCRIPTION
12285	Resistor—470,000 ohms, ½ W.
30271	Resistor—4.7 megohm, ½ W.
13601	Resistor—10 megohm, ½ W.
33735	Screw—Push arm lock screw
33725	Shaft—Tuning condenser drive shaft and retainer
31386	Socket—Lamp socket
31319	Socket—Tube socket
33720	Spring—Push button arm return spring
31418	Spring—Tuning condenser drive cord spring
33722	Transformer—1st i.f. transformer
34026	Transformer—2nd i.f. transformer
33726	Washer—"C" washer for drive shaft
	SPEAKER ASSEMBLIES (RL 85-2)
32907	Cap—Cone center dust cap
34554	Cone—Speaker cone and voice coil
34802	Speaker—5-inch permanent magnet—less transformer
34803	Transformer—Output transformer
	MISCELLANEOUS ASSEMBLIES
31456	Cover—8 protective covers for push-button markers
33729	Dial—Glass dial scale
33637	Escutcheon—Dial and button escutcheon
30863	Knob—Tuning, volume control, or power switch knob
30900	Spring—Retaining spring for knob or button
33973	Marker—1 set push-button marker