



RCA Victor

PICK-ME-UP

Four-Tube, Single-Band, Battery-Operated, Superheterodyne Receiver

TECHNICAL INFORMATION AND SERVICE DATA

SERVICE DIVISION • RCA VICTOR COMPANY LIMITED • MONTREAL



Electrical and Mechanical Specifications

Frequency Range..... 550-1,720 kc
Intermediate Frequency..... 455 kc

TUBE COMPLEMENT

(1) Type -1A7-G..... 1st-Det.—Osc.
(2) Type -1N5-G..... I-F Amplifier
(3) Type -1H5-G..... 2nd-Det., A-F, and A.V.C.
(4) Type -1C5-G..... Output

BATTERIES REQUIRED

"A," one 1.5 volt dry plug-type "A," 2½-in. x 2½-in. x 4-in.
(Eveready No. 742 or equivalent)
"B," two 45 volt dry plug-type "B," 2½-in. x 4-in. x 5½-in.
(Eveready No. 762 or equivalent)

CURRENT CONSUMPTION

"A," 0.24 ampere—"B," 9.0 milliamperes

POWER OUTPUT

Undistorted..... 0.10 watt
Maximum..... 0.21 watt

LOUDSPEAKER

Type..... 4-inch permanent-magnet dynamic
Voice-coil Impedance..... 2 ohms at 400 cycles

	Height	Width	Depth
Cabinet Dimensions (inches).....	9½	12½	6½
Weight—(Net) less batteries.....			6 pounds
With batteries.....			12½ pounds
Tuning Drive Ratio.....			10 to 1

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
RECEIVER ASSEMBLIES			
S-2474	Capacitor-Adjustable trimmer 300-600 mmfd. (C6).....	13601	Resistor-10 meg., 1/4 Watt (R6)...
13057	Capacitor-60 mmfd. (C7).....	33305	Shaft-Tuning knob shaft and bushing.....
12720	Capacitor-100 mmfd. (C13,C14,C16)....	32595	Shield-Tube shield-less cap.....
30433	Capacitor-400 mmfd. (C15,C17).....	32537	Socket-Tube Socket.....
12725	Capacitor-1000 mmfd. (C18).....	30585	Spring-Drive cord spring (Pkg.2)...
4886	Capacitor-.05 mfd. (C8).....	33301	Transformer-1st I.F. transformer (L3,L4,C9,C10).....
4839	Capacitor-.01 mfd. (C1).....	33302	Transformer-Second I.F. transformer (L5,L6,C11,C12).....
33303	Capacitor-8 mfd. Electrolytic (C19)...	33304	Volume control and switch (R5,S1,S2).....
S-2473	Condenser-2 gang variable tuning condenser (C2,C3,C4,C5).....	SPEAKER ASSEMBLIES (39128-1)	
32634	Cord-Variable condenser drive cord..	33058	Speaker complete.....
S-2423	Drum-Drive cord drum and indicator assembly.....	33062	Transformer-Output transformer(T1)
33300	Loop-Antenna loop complete.....	MISCELLANEOUS ASSEMBLIES	
32208	Plug 2 contact plug for battery cable.....	33310	Dial-Glass Dial scale.....
12827	Plug-3 contact plug for battery cable.....	33311	Escutcheon-Dial scale escutcheon..
12454	Resistor-33,000 ohms, 1/4 Watt (R3)...	33376	Handle-Carrying handle.....
14076	Resistor-820 ohms, 1/4 watt (R9)....	32571	Knob-Tuning knob.....
13715	Resistor-68,000 ohms, 1/4 Watt (R2)...	33309	Knob-Volume control knob.....
12264	Resistor-220,000 ohms, 1/4 Watt (R1)	32667	Spring-Knob retaining spring(pkg.5
13730	Resistor-1 meg., 1/4 Watt (R7).....		
12679	Resistor-2.2 meg., 1/4 Watt (R4,R8)...		

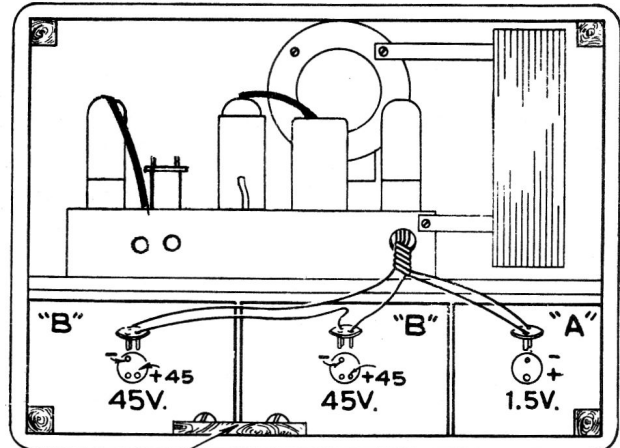
Alignment Procedure

Output Meter Alignment.—If this method is used, connect the meter across the voice coil, and turn the receiver volume control to maximum.

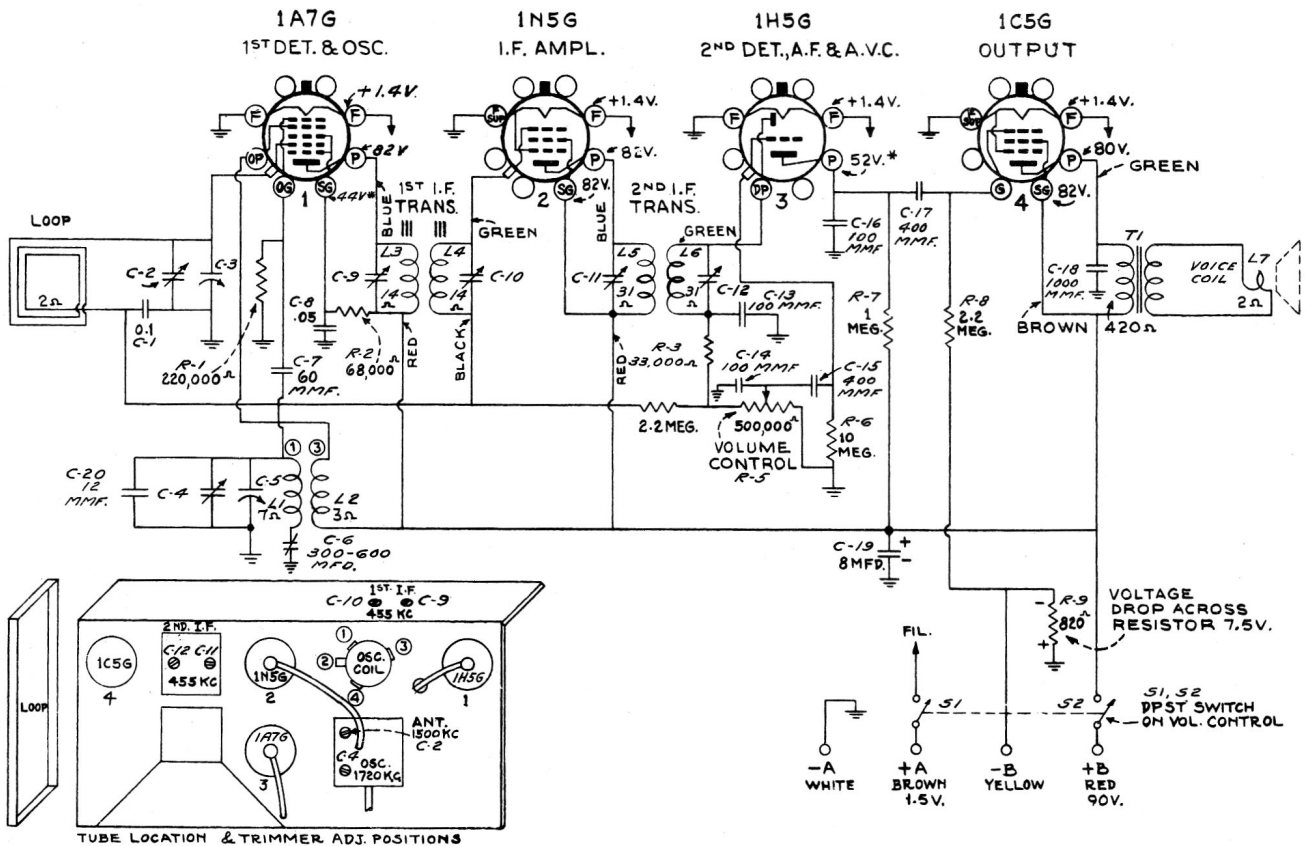
Test-oscillator.—For all alignment operations, keep the output as low as possible to avoid a-v-c action.

Pre-setting Dial.—With gang condenser in full mesh, the pointer should be horizontal.

Steps	Connect the high side of test-oscillator to—	Tune test-osc. to—	Turn radio dial to—	Adjust the following for max. peak output—
1	1A7G 1st-Det. grid cap, in series with .01 mfd.	455 kc	Quiet point at 1,600 kc end of dial	C9 C10 C11 C12 (1st and 2nd I-F transformers)
2	Antenna coil loop by means of one turn of wire placed near loop	1,720 kc	Full clockwise (out of mesh)	C4 (oscillator)
3		1,500 kc	Resonance on 1,500 kc signal	C2 (antenna)



REMOVE THIS BLOCK-PLACE BATTERIES IN CABINET AS INDICATED
REAR VIEW OF CABINET SHOWING BATTERIES



Schematic Circuit Diagram

Note: Values with star (*) are operating voltages. Values not starred are actual measured voltages. Measurements are made to chassis unless otherwise indicated, with set tuned to quiet point. Values should hold within approximately $\pm 20\%$ with rated battery voltage.