



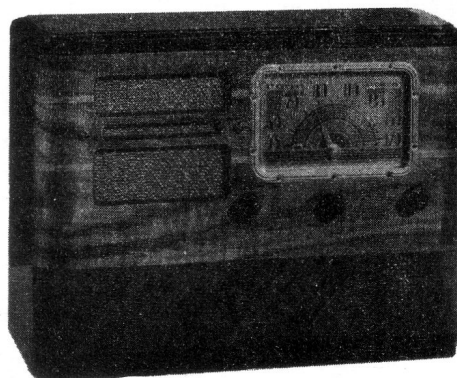
RCA Victor

MODEL B-60

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

TECHNICAL INFORMATION AND SERVICE DATA

SERVICE DIVISION • RCA VICTOR COMPANY LIMITED • MONTREAL



Electrical Specifications

TUBE COMPLEMENT

- | | |
|---|-------------------------------|
| (1) Type 1A7-G First Detector-Oscillator | (4) Type 1E4-G Phase Inverter |
| (2) Type 1N5-G I.F. Amplifier | (5) Type 1T5GT Power Output |
| (3) Type 1H5-G Second Det., A.F. Amp., & A.V.C. | (6) Type 1T5GT Power Output |
| Frequency Range | 540-1,720 K.C. |

POWER OUTPUT

Type	Class "A-B"
Undistorted	.3 watts
Maximum	.4 watts

ALIGNMENT FREQUENCIES

I.F.	455 K.C.
Ant.	1,500 K.C.
Osc.	600 K.C., 1,500 K.C.

BATTERIES REQUIRED

One "A-B" battery pack (Eveready 748-C)
 "A" One 1.5 Volt Dry Plug-in (Eveready No. 740) or One 1.4 Volt Plug-in Aircell (Eveready No. A-1300)
 "B" Two 45 Volt Dry Plug-in "B" Batteries (Eveready No. 386)

CURRENT CONSUMPTION

"A" at 1.4 Volts	.3 Amps.
"B" at 90 Volts	13 Milliampères

LOUDSPEAKER

Type	6 inch Permanent Magnet Dynamic
Voice Coil Impedance	3 ohms at 400 cycles

Mechanical Specifications

	Height	Width	Depth
Cabinet Dimensions	13 $\frac{7}{8}$ "	17 $\frac{5}{8}$ "	7 $\frac{3}{4}$ "
Chassis Ba Dimensions	2 $\frac{1}{2}$ "	9 $\frac{5}{8}$ "	4 $\frac{5}{8}$ "
Overall Chassis Height			5 $\frac{3}{4}$ "
Operating Controls	(1) Radio-Phono-Tone Switch, (2) Power Switch-Volume, (3) Tuning		

General Description

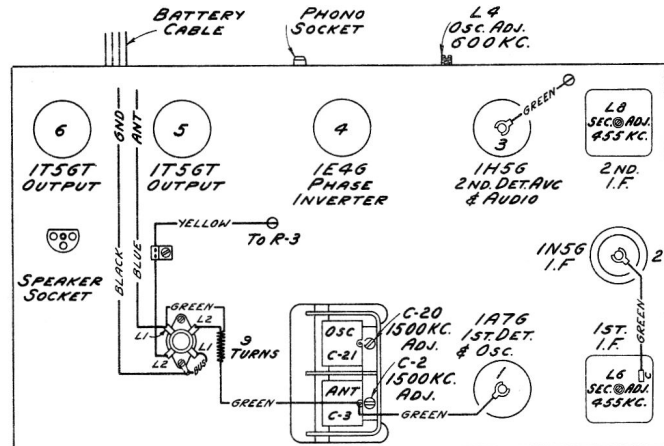
The RCA Victor Model B-60 is a six tube, single band, battery operated receiver, housed in a table type cabinet of unusual design and beauty. Features of design include:—Magnetite core antenna, oscillator and I.F. Transformers; full, automatic volume

control circuit; resistance coupled audio network; phase inverter circuit; class "A-B" audio output stage; Radio-phonotone switch; phono input socket; power-on indicator; and a sensitive, six-inch, permanent magnet dynamic loudspeaker.

Service Data

The various diagrams of this booklet contain such information as will be needed to isolate causes for defective operation if such develops. The ratings of the resistors, capacitors, coils, etc., are indicated adjacent to the symbols signifying these parts on the diagrams. Identification titles such as R1, L1, C1, etc., provide reference between the illustrations and Replacement Parts List.

Victrola Attachment. A jack located on the rear apron of the chassis is provided for connecting a Victrola Attachment into the audio-amplifying circuit. The cable running from the Victrola Attachment should be terminated in a Stock No. 31048 plug to fit the jack.



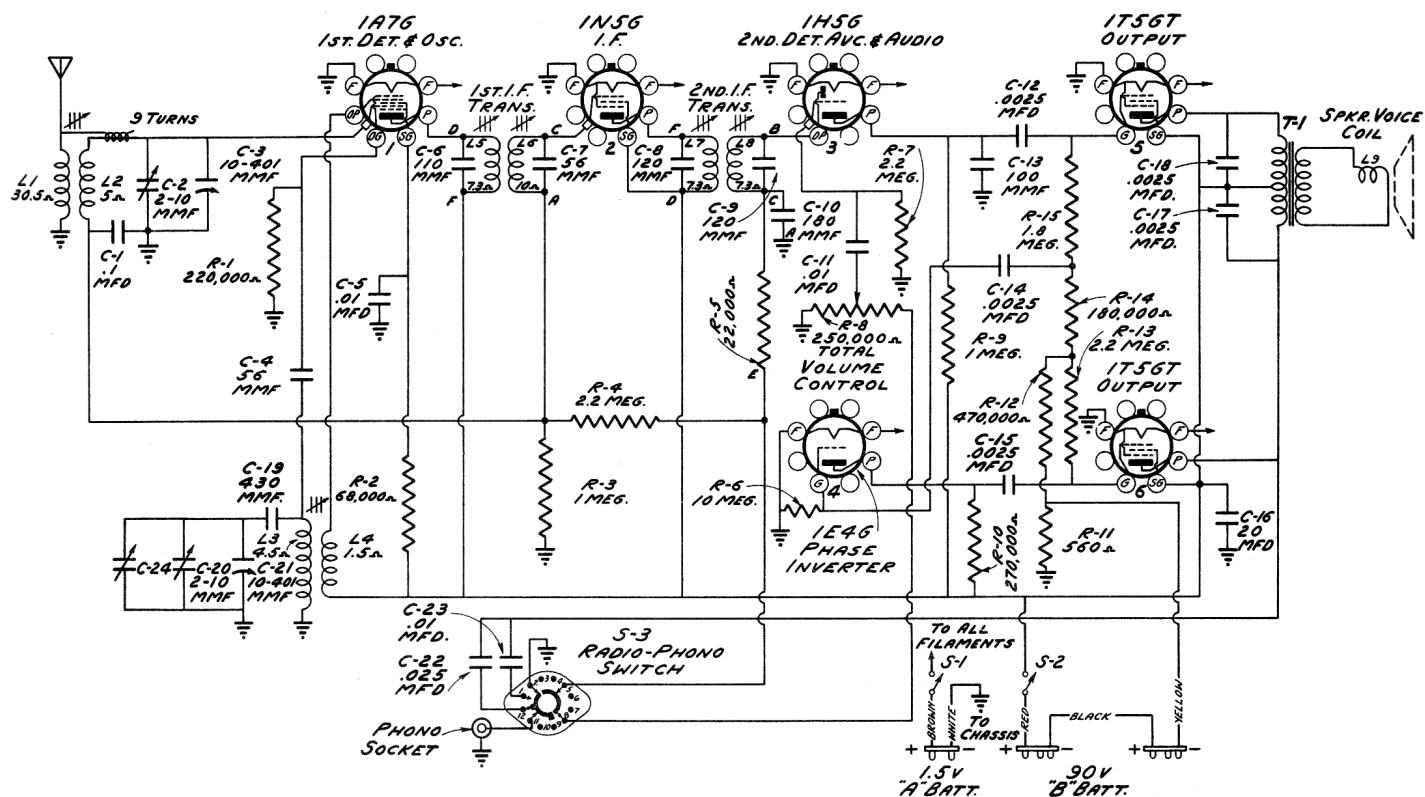


Fig. 2—Schematic Circuit Diagram

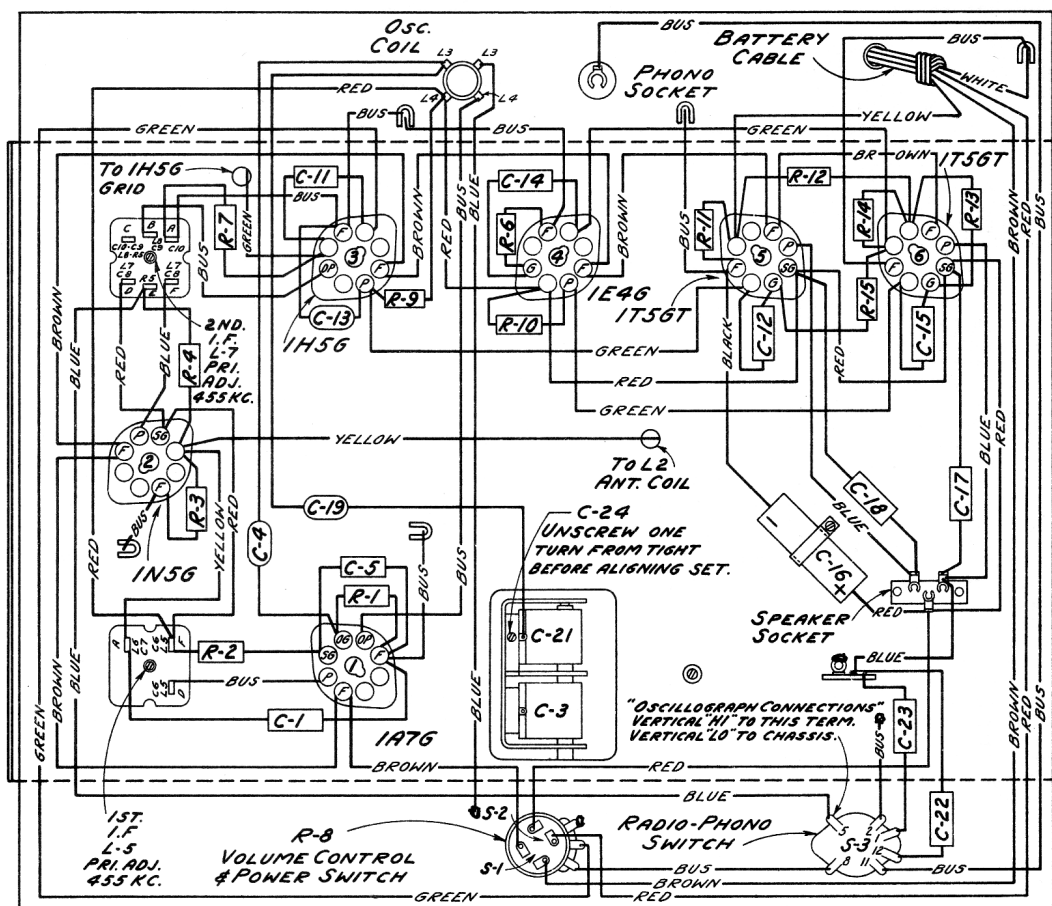


Fig. 3—Chassis Wiring Diagram

Radiotron Socket Voltages: Measured with all batteries at Normal Voltage

Radiotron	Plate	Screen Grid	Grid	Filament
1A7G Det.	82V	42V		1.4V
1A7G Osc.	82V	..		1.4V
1N5G I.F.	82V	82V		1.4V
1H5G Audio	60V	..		1.4V
1E4G Inverter	39V	..	—2V	1.4V
1T5GT Output	80V	82V	—10V	1.4V
1T5GT Output	80V	82V	—10V	1.4V

All values hold within plus or minus 20% when measured with a 1000 ohm per volt meter.

REPLACEMENT PARTS FOR MODEL B-60

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-2744	Arm-Power-on indicator actuating arm and set screw.....	S-2698	Shaft-Station selector drive shaft....
S-1997	Cable-Battery cable complete with plugs.....	S-2399	Socket-3 contact speaker socket.....
12723	Capacitor-56 mmfd. (C19).....	31251	Socket-Radiotron socket.....
12720	Capacitor-100 mmfd.(C4).....	14278	Socket-Phono input socket & plate....
30433	Capacitor-430 mmfd.(C13).....	S-2119	Spring-Drive cord tension spring (Pkg.3).....
5107	Capacitor-.0025 mfd.(C12,C14,C15,C17,C18).....	S-2699	Switch-Radio phono tone switch (S3)...
4858	Capacitor-.01 mfd. (C5, C11, C23)....	14261	Transformer-1st I.F. Transformer (L5,L6,C6,C7).....
4870	Capacitor-.025 mfd.(C22).....	14308	Transformer-2nd I.F. Transformer (L7,L8,C8,C9,C10,R5).....
4839	Capacitor- 0.1 mfd.(C1).....	S-2734	Volume control and "on-off" switch (R8,S1,S2).....
S-2408	Capacitor- 20 mfd. electrolytic capacitor (C16).....	REPRODUCER ASSEMBLIES (CRL-515) (6" P.M.)	
32150	Coil-Antenna coil (L1,L2).....		
32148	Coil-Oscillator coil (L3,L4).....		
S-2697	Condenser-2 gang variable condenser (C2,C3,C20,C21,C24).....		
S-2702	Cord-Drum drive cord.....		
S-2120	Drum-Drive cord drum & set screws....		
34378	Indicator-Station selector indicator pointer.....		
S-2745	Indicator-Power-on indicator assembly	32907	Cap-Dust cap for cone centre(Pkg.5)...
32208	Plug-2 contact male plug for battery cable.....	32934	Cone-Reproducer cone & voice coil (L9)
S-1628	Plug-3 contact male plug for battery cable.....	S-2403	Plug-3 contact male plug.....
11324	Resistor-560 ohm,1/4 watt (R11).....	S-2736	Reproducer complete.....
13715	Resistor-68,000 ohm,1/4 watt (R2)....	S-2739	Transformer-Output transformer (T1)....
S-1747	Resistor-180,000 ohm,1/4 watt (R14)...	MISCELLANEOUS ASSEMBLIES	
12264	Resistor-220,000 ohm,1/4 watt (R1)...		
11323	Resistor-270,000 ohm,1/4 watt (R10)...	S-2740	Dial-Station selector dial scale complete.....
12285	Resistor-470,000 ohm,1/4 watt (R12)...	34380	Escutcheon-Station selector dial escutcheon and crystal.....
12200	Resistor-1 meg. 1/4 watt (R3,R9).....	30863	Knob-Tuning, volume or tone control knob.....
5028	Resistor-1.8 meg.,1/4 watt (R4,R15)...	30900	Spring-Knob retaining spring (Pkg. 5).....
12679	Resistor-2.2 meg. 1/4 watt(R7,R13)...		
13601	Resistor-10 meg. 1/4 watt (R6).....		
14887	Retainer-Drive shaft or pulley retainer (Pkg.20).....		
3903	Screw-Drive cord drum set screw (Pkg.20).....		