



RCA VICTOR

MODEL BP5A



BP5A

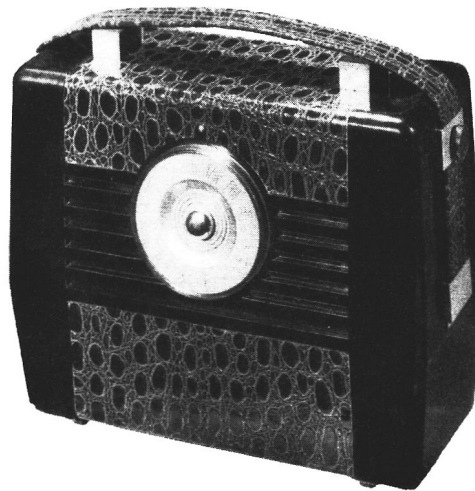
Portable 5 Tube Single Band AC-DC Superheterodyne

TECHNICAL INFORMATION AND SERVICE DATA

1948 No. 21

GENERAL SERVICE DIVISION

RCA VICTOR COMPANY LTD.



Electrical and Mechanical Specifications

Frequency Range 540-1,600 kc
Intermediate Frequency 455 kc
Power Supply Rating
110 to 125 volts, AC 50 or 60 cycles, or DC.. 18 watts
Batteries required 1 Eveready Battery Pack W167

Tube Complement

(1) RCA—1R5 Converter
(2) RCA—1U4 I. F.-Amplifier
(3) RCA—1U5 2nd Det. AVC. & A.F.-Amplifier
(4) RCA—3V4 Power Output
(5) RCA—117Z3 Rectifier

Current Consumption

Battery Operation..... "A" 60 ma., "B" 10 ma.
(Average life of Eveready W167 Battery
100 hrs. intermittent service.)

Total Rect. Current (117 volt, 60 cycle) 60 ma.

Power Output (AC Operation)

Undistorted15 watt
Maximum25 watt
(Output is slightly lower on battery operation)

Loudspeaker 4 in. P.M. 3.4 ohms at 400 cycles

Cabinet Dimensions

Height..... 9½ in. Width..... 11 in. Depth..... 5 in.

CAUTION.—

Do not remove any tubes from the chassis with the set operating and the plug connected to the power line. Damage to tubes may result.

NOTE: If reception is not obtained on DC, reverse plug in outlet receptacle. This may also reduce hum on AC operation.

Service Data

AC-DC Operation

This receiver will operate on 105 to 125 volts, AC 25 or 60 cycles, or DC.

A power cord is stored inside the cabinet. To open the cabinet, push upward on the two metal ball catches at the top rear of the cabinet. Remove the plug of the power cord from its socket on the chassis and insert the plug into a convenient electrical outlet. A slot in the bottom of the back cover allows the back to be closed with the cord passing through.

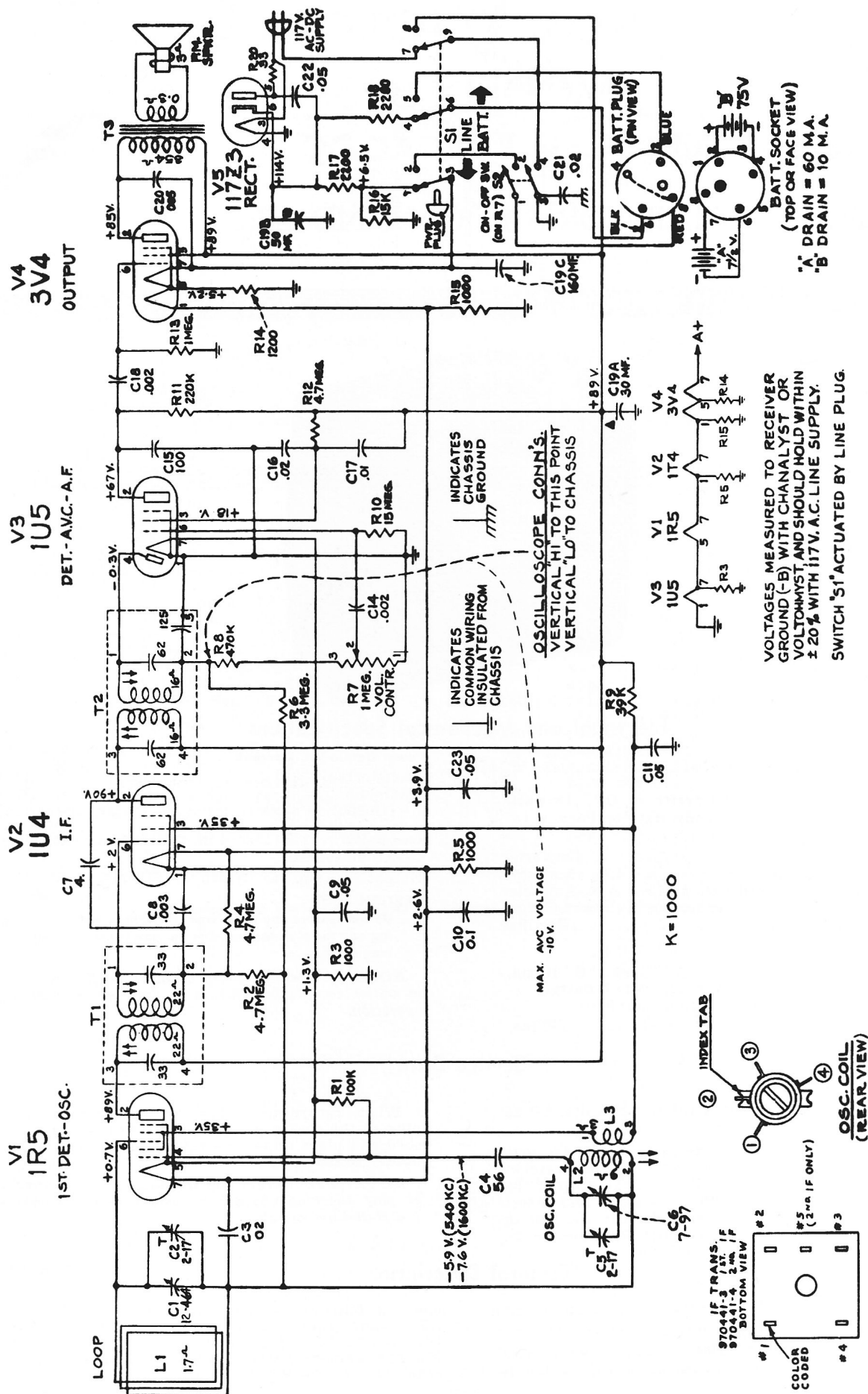
When returning to battery operation replace the plug in the socket provided on the chassis, roll up the cord and place under the raised portion of the battery holder bracket.

NOTE: Make certain that the plug is fully inserted (base of plug touching chassis) to assure proper operation of the Batt-Line switch.

General Description

The RCA Victor Model BP5A is a portable five tube single band battery and A.C. operated receiver, housed in an attractive plastic cabinet with crocodile leatherette covering. Features of the design in-

clude a built-in loop antenna; powdered iron core I.F. transformers and oscillator coil; automatic volume control and a 4 inch round P.M. loudspeaker. For replacement parts information and other service data refer to the BP5A Service Note.



SCHEMATIC DIAGRAM