



# RCA VICTOR



3-RB-1 Series—*The "Squire"*

Model 3-RB-16—*Sabara*

3-RB-3 Series—*The "Emissary"*

Model 3-RB-31—*Black/Iceberg White*

Model 3-RB-32—*Dark Blue/Iceberg White*

Model 3-RB-34—*Espresso/Iceberg White*

## RCA SALES CORPORATION

A RADIO CORPORATION OF AMERICA SUBSIDIARY  
600 N. SHERMAN DRIVE  
INDIANAPOLIS 1, INDIANA

# RADIO SERVICE DATA

—File: 1962 No. 13—

## 3-RB-1 Series

Chassis RC-1210A

Circuit Board—1432133-1

## 3-RB-3 Series

Chassis RC-1210B

Circuit Board—1432133-2

### SPECIFICATIONS

#### TUBE COMPLEMENT

- (V1) RCA 17C9 .....R.F. Amp. and Mixer
  - (V2) RCA 12BA6 .....1st IF Amplifier
  - (V3) RCA 12AU6 .....2nd IF Amplifier
  - (V4) RCA 14GT8 .....Demodulator and AF Amp.
  - (V5) RCA 50C5 .....Audio Output
- A Silicon Rectifier is Used

TUNING RANGE .....87.5—108.5mc

INTERMEDIATE FREQUENCY .....10.7mc

POWER OUTPUT .....2.25 watts max.

#### POWER SUPPLY RATING

105-125 volts, 50-60 cycle or DC .....36 watts

TUNING DRIVE RATIO .....8:1 (4 turns of Knob)

LOUDSPEAKER .....4" P.M.

#### DIMENSIONS

Height .....6 $\frac{1}{16}$ " Width .....11 $\frac{1}{8}$ " Depth .....5 $\frac{1}{16}$ "

WEIGHT .....Approx. 4 lbs.

### DESCRIPTION

Models of the 3-RB series are 5 tube (plus rectifier) table style radios designed for reception of the standard FM broadcast band (88 to 108 megacycles) when operated on a 105 to 125 volt, 50-60 cycle or DC power source.

The "Security Sealed Circuit" chassis and loud speaker are mounted in a one piece molded plastic cabinet with a "snap-in" hardboard back cover to which is attached the antenna terminals and power cord interlock plug. When the cabinet back is removed to expose the chassis, the power cord interlock removes power from the chassis; in conjunction with the isolated control shafts, this removes the shock hazard.

Chassis RC-1210A (3-RB-1) and RC-1210B (3-RB-3) are basically the same. Superhetrodyne circuitry is utilized which consists of an RF amplifier stage, a mixer stage, two IF amplifier stages, a demodulator stage (ratio detector), an AF amplifier stage and a power amplifier stage; power is supplied through a silicon rectifier. Chassis RC-1210B has the additional feature of automatic frequency control (AFC) which may be disabled by a switch located on the front panel between the control knobs. All components except the speaker, are mounted on one side of a "Security Sealed"

wiring board with their leads extending through the board and dip soldered to the printed wiring which is bonded to the opposite side. The antenna terminals on the cover provide for the connection of the capacity type power line antenna or of an external antenna.

A 4" PM loudspeaker is used to convert the electrical impulses into sound waves.

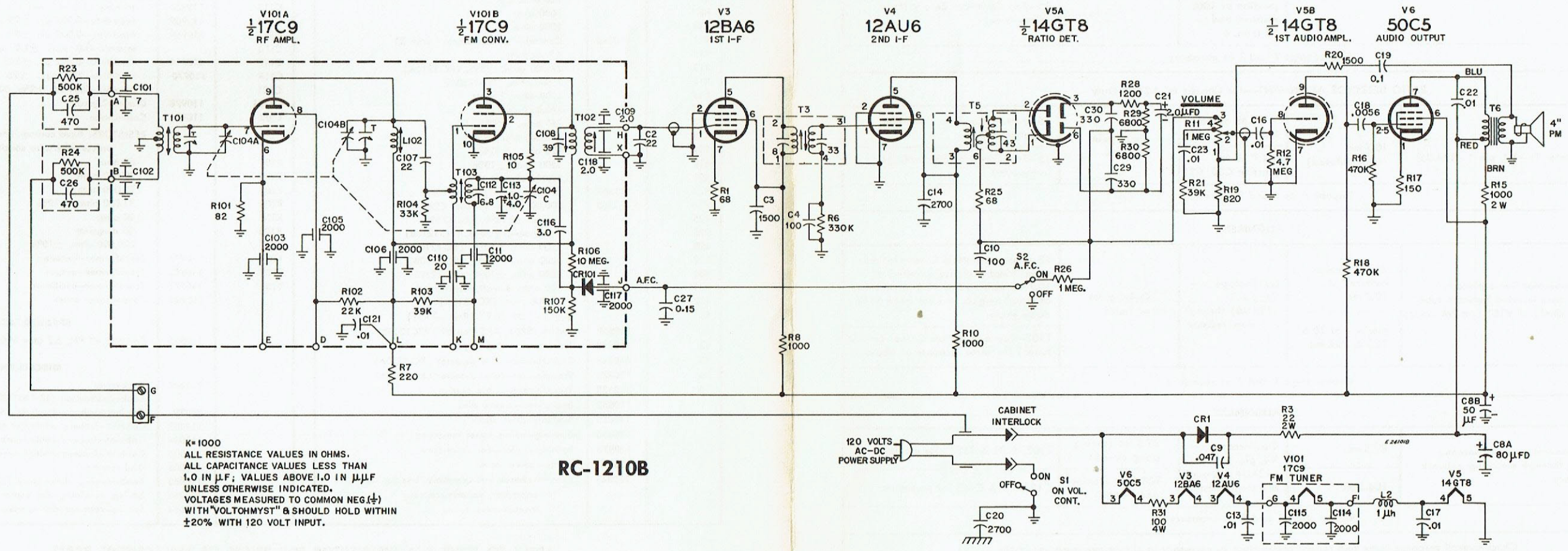
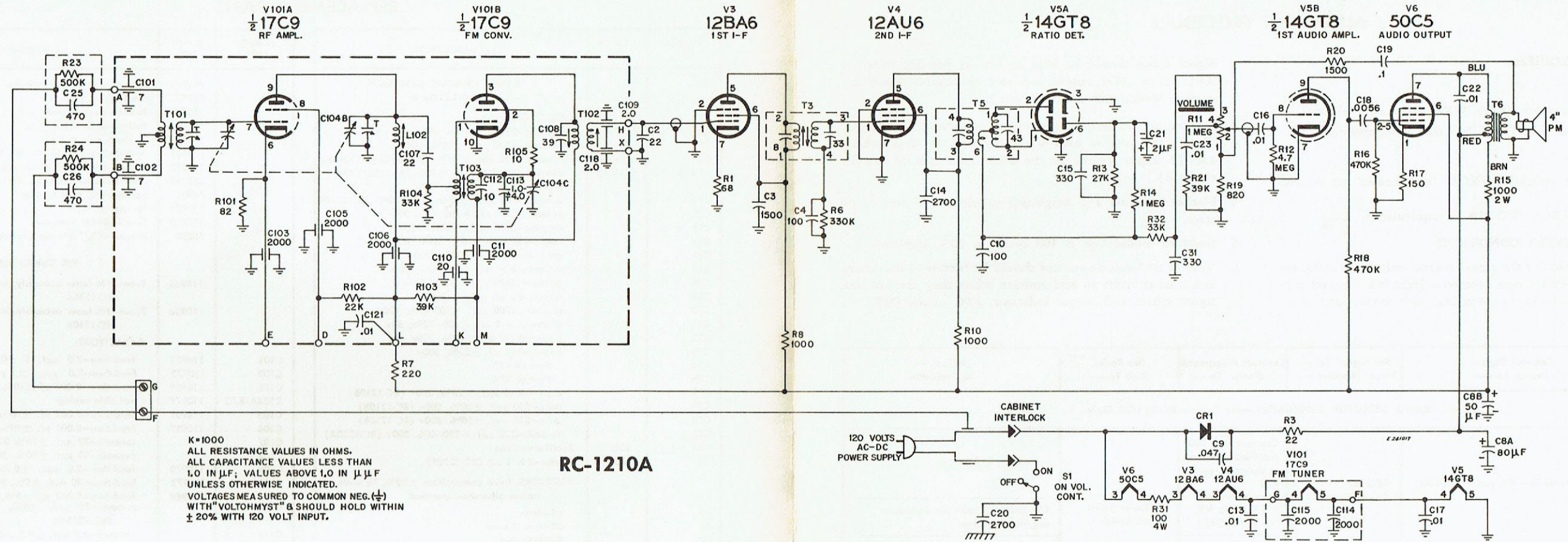
#### SUPPLEMENTARY INFORMATION LISTINGS

Vol.	Issue	Subject









Schematic Diagrams



