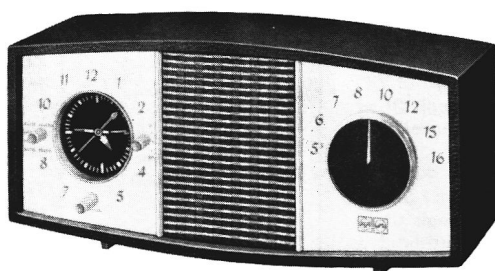




RCA VICTOR



MODEL RC-4

AM TABLE CLOCK RADIO RECEIVER

SERVICE DATA

MODEL RC-4

GENERAL INFORMATION

ELECTRICAL SPECIFICATIONS

TUNING RANGE 540-1620 kc

INTERMEDIATE FREQUENCY 455 kc

TUBE COMPLEMENT

Symbol	Type	Function
V-1	RCA 18FX6A	Converter
V-2	RCA 18FW6A	IF Amplifier
V-3	RCA 18FY6A	1st Audio/Detector
V-4	RCA 34GD5A	Power Output
V-5	RCA 36AM3B	Rectifier

LOUDSPEAKER

Size and Type 4" PM

Voice Coil Impedance 3.2 ohms

TUNING DRIVE RATIO 1.1 (Direct Drive)

DIMENSIONS

Height 5 $\frac{3}{4}$ " Width 13 $\frac{1}{4}$ " Depth 4 $\frac{3}{4}$ "

REPLACEMENT PARTS LIST

Insist on Genuine Factory Tested Parts, which are readily identified and may be purchased from Authorized Dealers

SYMBOL	STOCK NO.	DESCRIPTION	SYMBOL	STOCK NO.	DESCRIPTION
CHASSIS ASSEMBLY					
C-1A,B	*63-29823	Capacitor - Variable Tuning		*63-29745	Cover - Back Cover and Loop Assembly
C-11A,B	63-24464	Capacitor - Electrolytic 30/50 mfd. 150/150 volts		*63-29584	Crystal - Clock
PC-1	63-25670	Circuit - Printed Circuit Consists of:- R-8, R-9, R-10, C-6, C-7, C-8, C-9, C-14		*63-29589	Face - Clock Face
PW-1	*63-29577	Board - Printed Board Assembled Less Tubes		*63-29853	Hand - Minute Hand
PW-1	63-27364	Board - Printed Board Stripped		*63-29854	Hand - Hour Hand
R-6	63-29641	Control - Volume Control - 1 meg.		*63-29746	Hand - Second Hand
T-1	63-25007	Transformer - 1st IF Transformer		63-27034	Hand - Time Set
T-2	63-25006	Transformer - 2nd IF Transformer		*88-2572	Instructions - Customer's Instruction Book
T-3	63-22922	Transformer - Oscillator		*63-29586	Knob - Volume
T-4	63-25651	Transformer - Audio Output		*63-29585	Knob - Timer
MISCELLANEOUS ASSEMBLY					
	*63-29825	Cabinet - Black Leatherite		*63-29638	Knob - Tuning Assembly
	*63-29826	Cabinet - Walnut Grain		*63-29590	Plate - Clock Face
	62-106993	Clip - Retainer Clip Power Cord		*63-29587	Plate - Dial Plate - Clock
	63-24774	Connector - Interlock		*63-29588	Plate - Radio
	63-26342	Cord - Power Cord		*63-29643	Shaft - Extension Shaft and Knob
				63-24461	Socket - Tube 36AM3B
				63-24462	Socket - Tube 18FX6A, 18FW6A, 18FY6A
				63-24551	Socket - Tube 34GD5A
				63-29062	Speaker - 4" PM 3.2 ohms.
				*63-29642	Timer - Radio

* Indicates New Stock Items.

Only items listed under stock numbers are available as Replacement Parts

All parts subject to change or withdrawal without notice.

ISSUED BY

SERVICE DIVISION PUBLICATIONS
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MONTREAL, CANADA

Price 35c

1965 No. 13
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ALIGNMENT PROCEDURE

1. For all alignment operations connect low side of signal generator to common negative.
2. Connect output indicator to voice coil terminals of loudspeaker.
3. Set volume control to maximum.
4. Keep generator output as low as possible to avoid AVC action.

DESCRIPTION

The model RC-4 is a 5 tube (including rectifier) table model clock radio. It is designed to operate on a 120 volt, 60 cycle AC power supply and to cover the standard AM broadcast band, 540-1620 KC.

The chassis, loudspeaker and clock-timer are contained in a one-piece vinyl covered cabinet with a hard board "SNAP-IN" back cover on which is mounted the loop antenna and the power cord interlock. When the cabinet back is removed to expose the chassis for servicing, the power cord interlock removes power from the chassis.

Step	Connect high side of signal gen. to—	Set signal gen. to—	Turn radio dial to—	Adjust—for peak output
1	Pin #1 of V2 through .01 mf capacitor	455 kc (Modulated)	Quite point near 1600 kc	T2 (2nd I-F trans.), top and bottom cores (See note)
2	Pin #7 of V1 through .01 mf capacitor			T1 (1st I-F trans.), top and bottom cores
3	Repeat steps 1 and 2			
4	Short wire placed near antenna to radiate signal	1620 kc (Modulated)	Gang fully open	C1-B-T (osc. trimmer)
5		1500 kc (Modulated)	1500 kc	C1-A-T (Ant. trimmer)
6		600 kc (Modulated)	600 kc (rock gang)	T3 (osc. coil)
7	Repeat steps 3, 4 and 5			

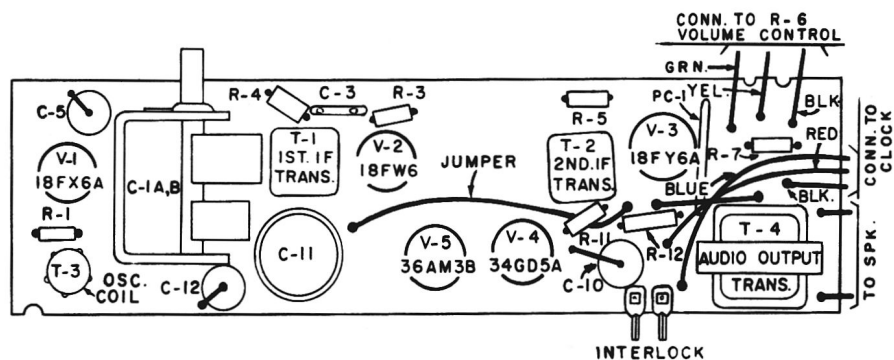


Figure 1 — Chassis Layout.

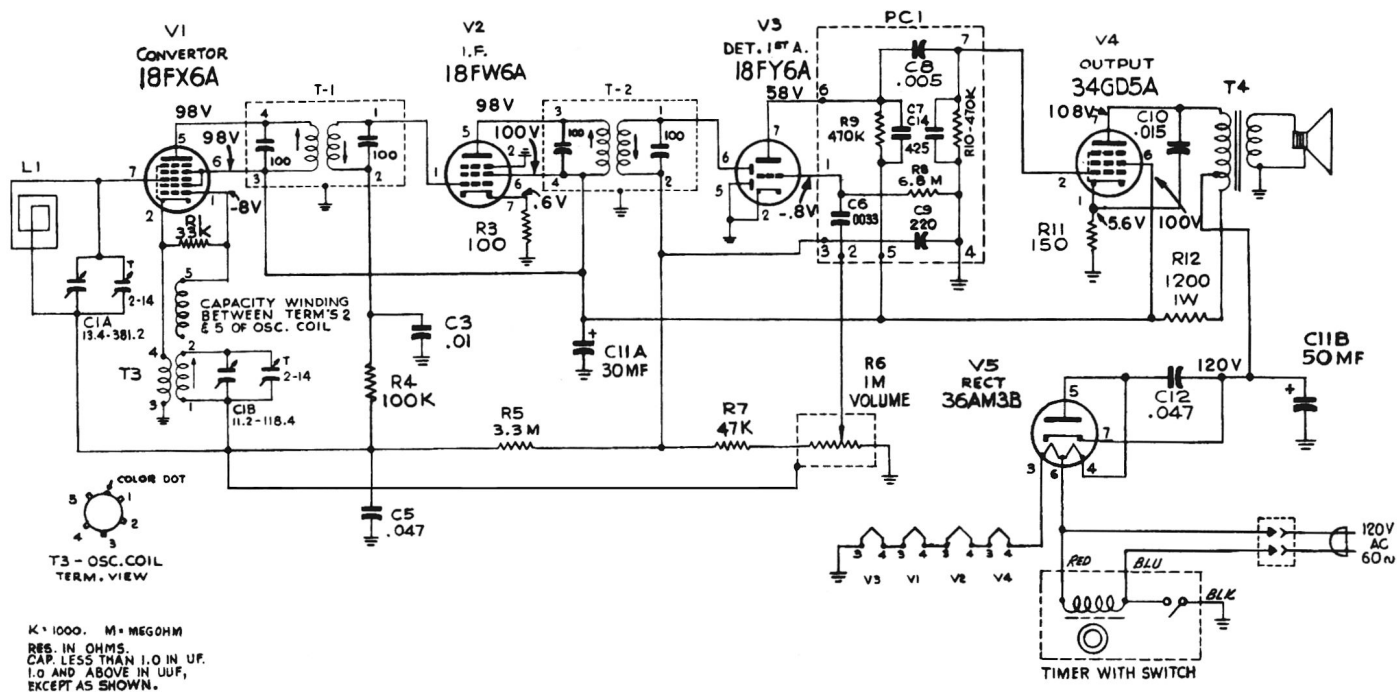


Figure 2 — Schematic Diagram.