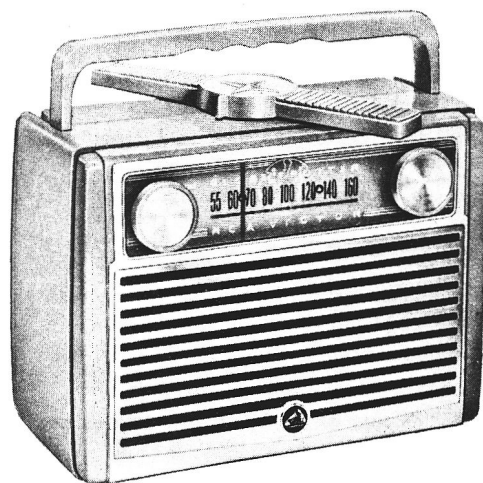




RCA VICTOR



Model P-132

AC-DC-Battery Portable Receiver

MODEL P-132

SERVICE DATA

— 1956 No. 9 —

ISSUED BY

GENERAL SERVICE DEPARTMENT
RCA VICTOR COMPANY, LTD.
MONTREAL, CANADA

ELECTRICAL AND MECHANICAL SPECIFICATIONS

TUNING RANGE 540-1,600 kc

INTERMEDIATE FREQUENCY 455 kc

POWER SUPPLY RATING:

Power Line Operation

115 volts, d. c. or 50 to 60 cycles a. c. 15 watts
or

Battery Operated using RCA VS 057W Battery
(Average battery life — 100 hrs. intermittent service)

Battery current "A" 50 ma., "B" 13 ma.

TUBE COMPLEMENT:

(1) RCA 1T4 R.F. Amplifier

(2) RCA 1R5 Converter

(3) RCA 1T4 I.F.-Amplifier

(4) RCA 1U5 Det. — AVC — 1st A.F.

(5) RCA 3V4 Output

A selenium rectifier is used.

WEIGHT (Approx.)

Without battery 4 lb. 14 oz. With battery 8 lb.

POWER OUTPUT:

Undistorted 180 milliwatts

Maximum 290 milliwatts

LOUDSPEAKER 4 in. P.M.

Voice Coil impedance 3.2 ohms at 400 cycles

CABINET DIMENSIONS:

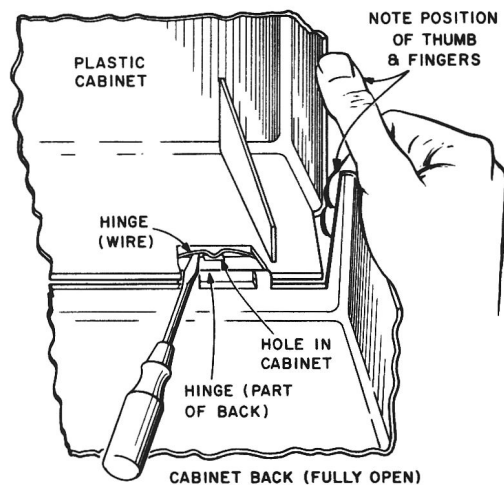
Height... 8¾ in. Width... 11½ in. Depth... 5¼ in.

To Remove Hinges

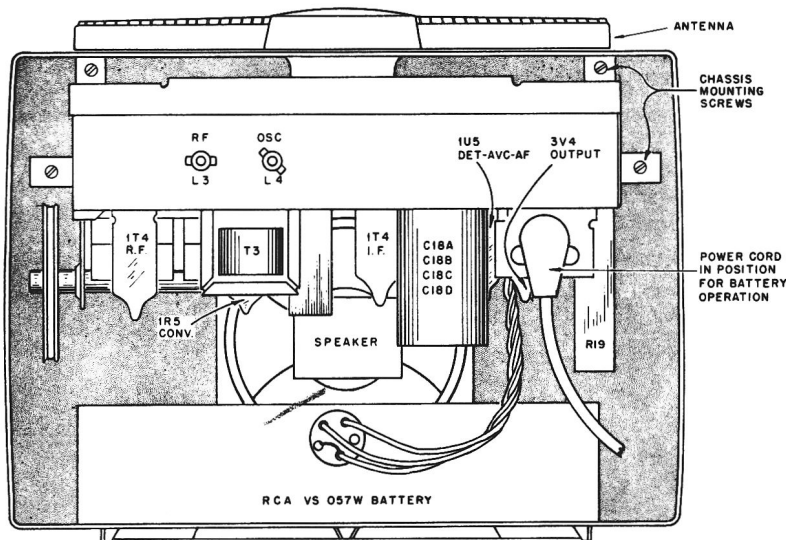
Remove back from cabinet as described at right. Spread the hinge apart to remove it from the cabinet back.

To Remove Cabinet Back

With the back fully open, grip the cabinet as illustrated. Insert a screwdriver under one hinge and pry the center of the hinge out of the opening in the cabinet while maintaining pressure on the back with the fingers and on the cabinet with the thumb. Repeat this procedure with the other hinge. Pull the back straight to the rear using both hands.



Removal of Cabinet Back



Rear View With Back Removed

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, connect the low side of the test oscillator to the receiver chassis and keep the oscillator output as low as possible to avoid AVC action.

Battery operation of the receiver is preferable during alignment; on AC operation an isolation transformer (117v./117v.) may be necessary for the receiver if the test oscillator is also AC operated.

Step	Connect High Side of Sig. Gen. to —	Sig. Gen. Output	Dial Pointer Setting	Adjust for Max. Output
1	Disconnect loop—remove chassis—remove bottom plate.			
2	Pin. #6 of 1T4 I.F. Amplifier thru .005 mf.	455 kc	Quiet point near 1600 kc	2nd I.F. Trans. T2 Top & Bottom
3	Pin #6 of 1R5 Converter thru .005 mf.			1st I.F. Trans. T1 Top & Bottom
4	Replace bottom cover and install chassis in cabinet. Re-connect loop.			
5	Short wire placed near antenna for radiated signal	1620 kc	gang fully open	Osc. trimmer C1-B
6		1400 kc	1400 kc signal	Ant. and R.F. trimmers C1-A and C1-C
7		600 kc	600 kc signal	L3 R.F. core and L4 Osc. core alternately while rocking gang
8		Repeat Steps 5, 6 and 7		

Critical Lead Dress

1. Dress all filament leads next to chassis.
2. Use short pigtail leads on components to V1, Pin 6.
3. Dress gang leads direct to avoid excess lead length.
4. Dress capacitor C8 across V3 socket to act as shield for C21.
5. Dress capacitors C3, C4 and C6 down to base between V1 socket and V2 socket, use short leads.
6. Use short pigtail lead on C21 to V3-2 and dress away from Pin 6.
7. Dress capacitors C13 against chassis apron and C17 down to base.

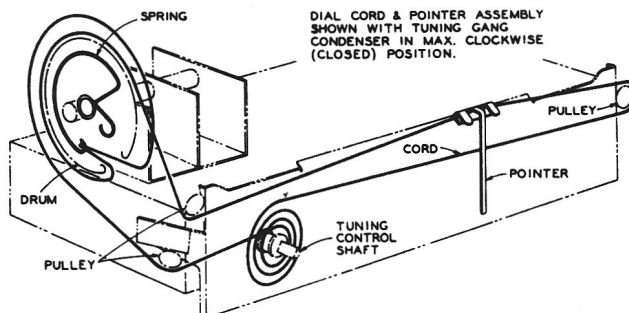
Chassis Removal

1. Remove control knobs (pull off).
2. Unsolder the two loop antenna leads.
3. Disconnect battery plug and pull out battery.
4. Remove the four chassis mounting screws, two at front sides and two at top rear.

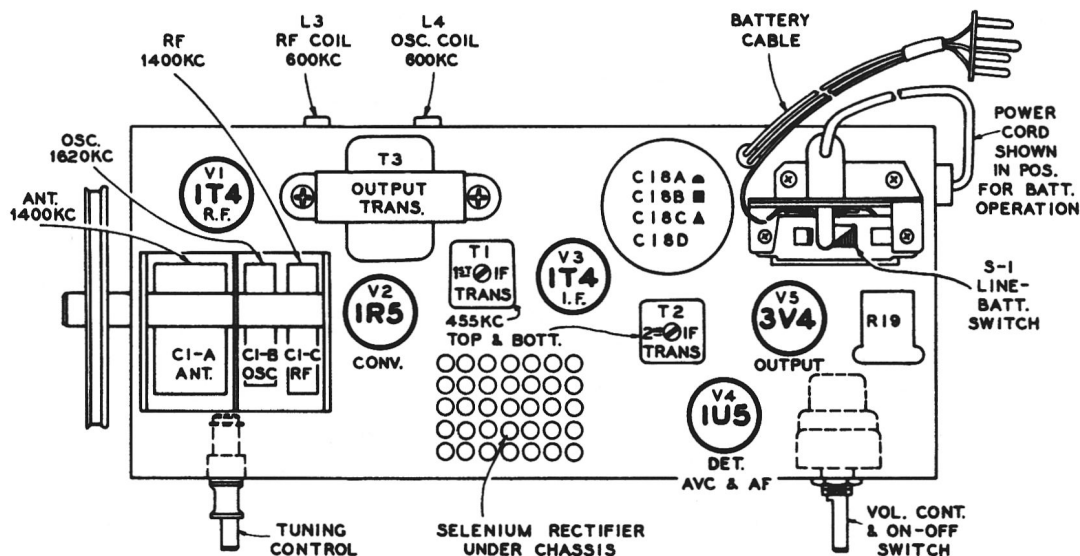
CAUTION:—

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

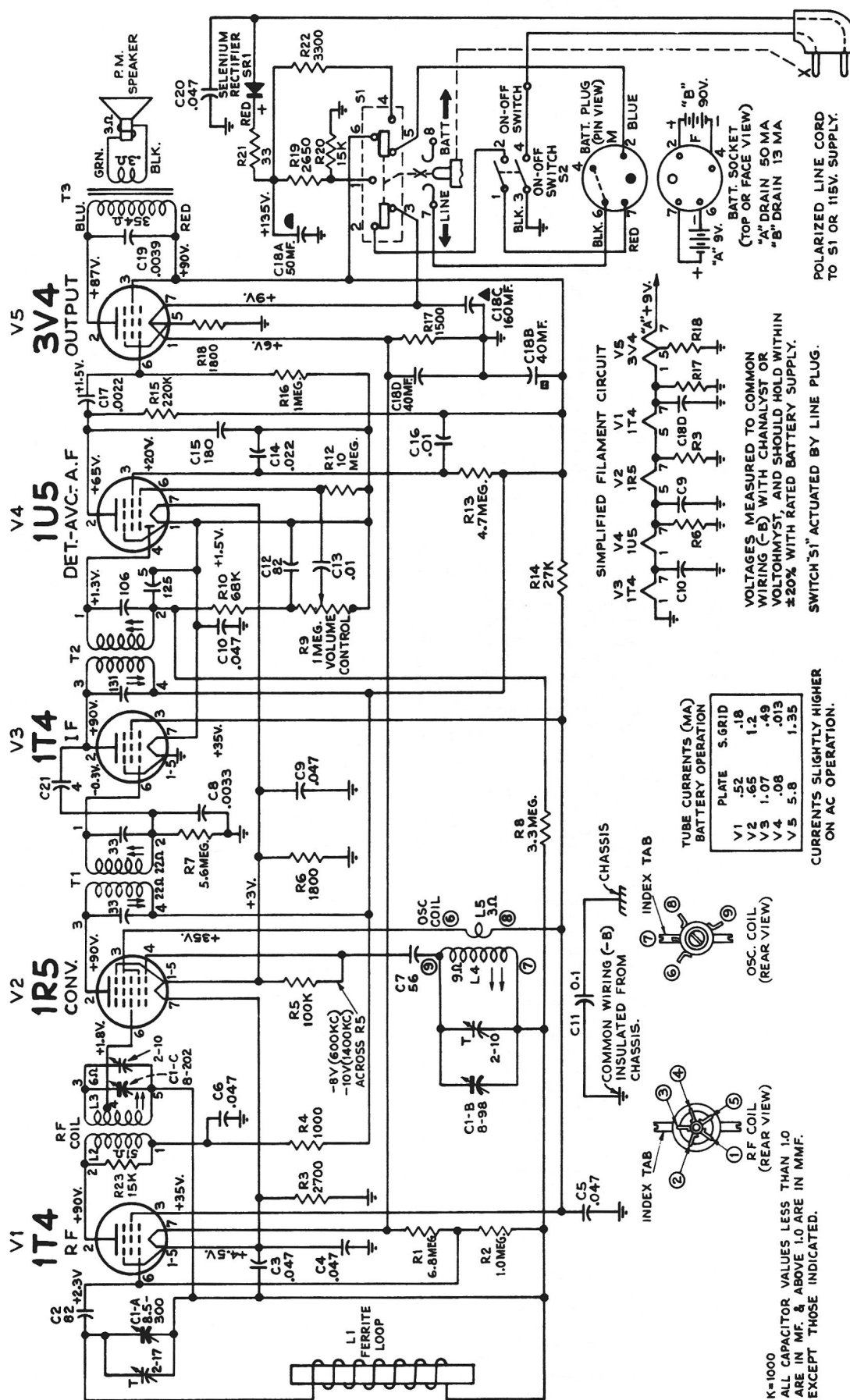
Damage to tubes may result if this precaution is not observed.



Dial-Indicator and Drive Mechanism



Tube and Trimmer Locations



Schematic Diagram

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
C1A, C1B	S-20945	Capacitor - Variable Tuning capacitor	R21		Resistor - Fixed, composition 33 ohms 20% 1w
C2	71514	Capacitor - Fixed, ceramic 82 mmf, 10% 500v	R22		Resistor - Fixed, composition 3300 ohms 10% 1w
C3	73558	Capacitor - Fixed, paper 0.047 mf., 20% 400v	R23		Resistor - Fixed, composition 15,000 ohms 10% 1/2w
C4, C5	73553	Capacitor - Fixed, paper 0.047 mf., 20% 200v	S1	S-20947	Switch - D. P. D. T. Battery/Line switch
C6	71924	Capacitor - Fixed, paper 0.047 mf., 20% 400v	S2		Part of R9
C7	73795	Capacitor - Fixed, ceramic 56 mmf, 20% 500v	SR1	74322	Rectifier - Selenium rectifier
C8	73558	Capacitor - Fixed, paper 0.0033 mf, 10% 400v	T1	73129	Transformer - 1st I. F. transformer
C9, C10	73551	Capacitor - Fixed, paper 0.047 mf, 20% 200v	T2	S-5721	Transformer - 2nd I. F. transformer
C11	71514	Capacitor - Fixed, paper 0.1 mf, 20% 400v	T3	S-20946	Transformer - Output transformer
C12		Capacitor - Fixed, ceramic 82 mmf, 10% 500v		S-20956	Cable - 5-contact male connector for battery cable
C13		Capacitor - Fixed, paper 0.01 mf, 20% 200v		S-5149	Cord - Power line attachment cord and plug
C14		Capacitor - Fixed, paper 0.022 mf, 10% 200v		S-4313	Cord - Dial drive cord
C15	73561	Capacitor - Fixed, ceramic 180 mmf, 10% 500v		S-20943	Plate - Dial plate assembly complete with three pulleys
C16	73595	Capacitor - Fixed, paper 0.01 mf, 20% 400v		S-20950	Pointer - Station selector dial pointer
C17	S-6632	Capacitor - Fixed, paper 0.0022 mf, 20% 600v		101919	Shaft - Tuning control shaft
C18A, to C18D Incl	78796	Capacitor - Electrolytic 50/40 mf, 150v. 160/40 mf, 25v		S-4720	Socket - Tube socket, 7 pin miniature for V1, V2 & V3
C19	73071	Capacitor - Fixed, paper 0.0039 mf, 10% 400v		S-4947	Socket - Tube socket, 7 pin miniature for V4 & V5
C20	73153	Capacitor - Fixed, paper 0.047 mf, 20% 400v		76332	Spring - Dial cord tension spring
C21	S-6631	Capacitor - Fixed, ceramic 4 mmf, 10% 500v			SPEAKER ASSEMBLY
L1		See "Miscellaneous"		77055	Speaker - 4" P. M. speaker complete with cone & voice coil (3.2 ohms)
L2, L3		Coil - R. F. coil			MISCELLANEOUS ASSEMBLY
L4, L5		Coil - Oscillator Coil	L1	S-20955	Antenna - Antenna assembly - medium gray "Impac"
R1		Resistor - Fixed, composition 6.8 megohms 10% 1/2w	L1	101933	Antenna - Antenna assembly - aqua "Impac"
R2		Resistor - Fixed, composition 1.0 megohms 10% 1/2w		*S-21250	Case - Case back medium gray "Impac"
R3		Resistor - Fixed, composition 2700 ohms 10% 1/2w		*S-21251	Case - Case back - aqua "Impac"
R4		Resistor - Fixed, composition 1000 ohms 20% 1/2w		*S-21252	Case - Case-case front assy. - medium gray "Impac" with grille window & emblem
R5		Resistor - Fixed, composition 100,000 ohms 20% 1/2w		*S-21253	Case - Case front assy. - aqua "Impac" with grille & emblem
R6		Resistor - Fixed, composition 1800 ohms 10% 1/2w		S-20528	Catch - Spring steel case catch
R7		Resistor - Fixed, composition 5.6 megohms 10% 1/2w		101989	Emblem - RCA Trademark emblem (Dog)
R8	*S-21214	Resistor - Fixed, composition 3.3 megohms 10% 1/2w		101930	Grille - Aluminum grille
R9		Control - Volume control and "On-Off" switch (S2)		*S-21012	Handle - Carrying handle - medium gray "Impac"
R10		Resistor - Fixed, composition 68,000 ohms 20% 1/2w		*S-21009	Insert - Polystyrene decorative insert for antenna case assembly
R13		Resistor - Fixed, composition 4.7 megohms 20% 1/2w		101932	Knob - Tuning control knob with spring medium gray
R14		Resistor - Fixed, composition 27,000 ohms 10% 1/2w		101931	Knob - Tuning control knob with spring aqua
R15		Resistor - Fixed, composition 220,000 ohms 20% 1/2w		101991	Knob - Volume control knob with spring medium gray
R16		Resistor - Fixed, composition 1 megohm 20% 1/2w		101990	Knob - Volume control knob with spring aqua
R17		Resistor - Fixed, composition 1500 ohms 10% 1/2w		102675	Plate - L. H. Hinge plate for carrying handle
R18	S-20949	Resistor - Fixed, composition 1800 ohms 10% 1/2w		102676	Plate - R. H. Hinge plate for carrying handle
R19	101915	Resistor - Fixed, wire-wound 2650 ohms 5% 7 watt (ballast)		79744	Retainer - Formed wire hinge, retainer for case front and case back
R20		Resistor - Fixed, composition 15,000 ohms 10% 1/2w		S-21015	Window - Dial window - clear vinylite

* Indicates New Stock Items. Only items listed under stock numbers are available as Replacement Parts.

All parts subject to change or withdrawal without notice.