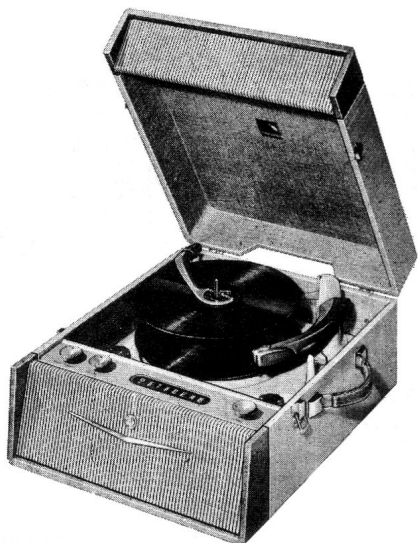




 RCA VICTOR 



PORTABLE RADIO - PHONO-COMBINATION

MODEL L-201, L-201(A)

SERVICE DATA

- 1957 No. 12 -

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

TUBE COMPLEMENT:

- | | |
|---------------------|--------------------|
| (1) RCA 12BE6 | Converter |
| (2) RCA 12BA6 | I.F. Amplifier |
| (3) RCA 12AV6 | Det.-AVC-A.F. Amp. |
| (4) RCA 50C5 | Output |
| (5) RCA 35W4 | Rectifier |

LOUD SPEAKER:

Size and type 6" x 4" P.M.

Voice coil impedance.....3.2 ohms at 400 cycles

POWER OUTPUT:

Undistorted.....1.0 watts

Maximum1.3 watts

RECORD CHANGER (L 201) Monarch UA-8

RECORD CHANGER (L201A) Collaro Challenger

POWER SUPPLY RATING:

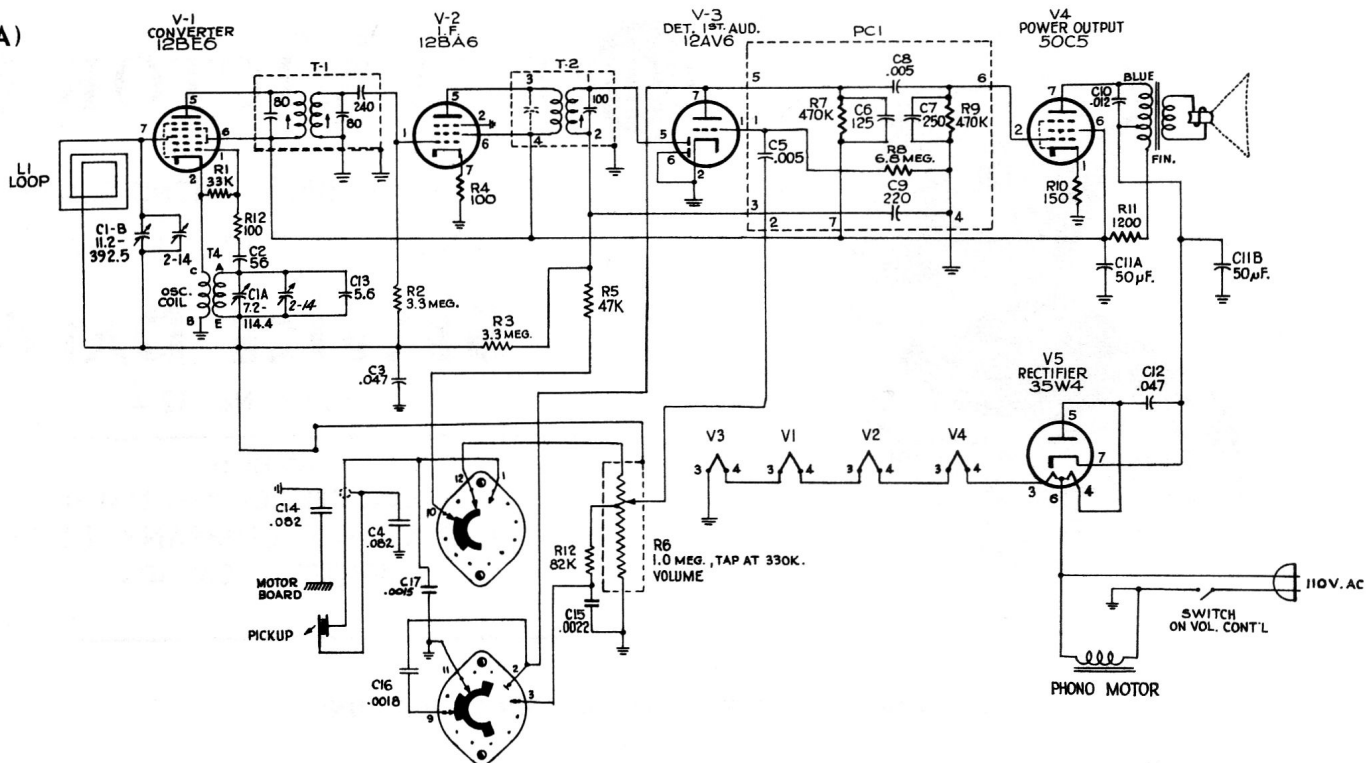
115 volts, 60 cycles a.c.....35 watts

REPLACEMENT PARTS LIST

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

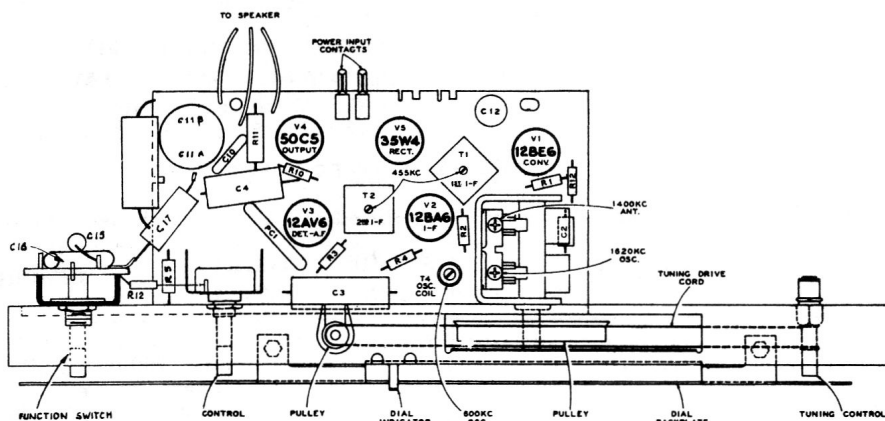
SYMBOL NO.	STOCK NO.	DESCRIPTION	SYMBOL NO.	STOCK NO.	DESCRIPTION
C1A,C1B C2	S-21912	Capacitor — Variable tuning capacitor	R11	512212	Resistor — Fixed, composition, 1200 ohm $\pm$ 10%, 1W
C3		Capacitor — Fixed, ceramic, 56 mmf $\pm$ 10%, 500V.	R12		Same as R4
C4		Capacitor — Fixed, paper, 0.047 mf $\pm$ 20%, 400V.	R13		Resistor — 82,000 ohm, $\pm$ 10%, 1/2W.
C5 to C9		Capacitor — Fixed, paper, 0.082 mf $\pm$ 10%, 400V.	T1	S-21913	Transformer — First I.F. transformer
C10		Part of PC1	T2	S-21914	Transformer — Second I.F. transformer
C11A	103195	Capacitor — Fixed, ceramic, 0.012 mf $\pm$ 10%, 600V.	T3	*S-22023	Output Transformer
C11B	103197	Capacitor — Electrolytic, 50/50 mf, 150V.	T4	S-21915	Coil — Oscillator coil
C12		Capacitor — Fixed, paper, 0.047 mf $\pm$ 20%, 400V.	SW1	S-22029	Switch — Function switch
C13		Capacitor — Fixed, ceramic, 5.6 mmf $\pm$ 0.5 mmf, 500V.			SPEAKER ASSEMBLY
C15		Capacitor — .0022 mfd, 600V.		S-22025	Speaker — 6" x 4" PM, complete with cone and voice coil
C16		Capacitor — .0018 mfd, 600V.			MISCELLANEOUS ASSEMBLY
L1	*S-22028	Antenna — Ferrite Antenna	S-4313		Cord — Dial cord
PC1	S-21927	Circuit — Printed circuit consisting of R7, R8, R9, C5, C7, C8 & C9	74273		Decal — Dog decal
R1		Resistor — Fixed, composition, .33,000 ohm $\pm$ 20%, 1/2W.	S-22027		Dial — Dial scale
R2,R3		Resistor, Fixed, composition, 3.3 megohm $\pm$ 20%, 1/2W.	*S-22031		Emblem — Dog emblem
R4		Resistor, Fixed, composition, 100 ohm $\pm$ 20%, 1/2W.	S-21307		Emblem "V" emblem
R5		Resistor, Fixed, composition, 47,000 ohm $\pm$ 20%, 1/2W.	S-21263		Knob Assembly
R6	*S-22030	Control — Volume control	*S-22033		Knob Assembly
R7,R7,R9		Part of PC1	*S-22032		Pointer — Dial pointer
R10		Resistor — Fixed, composition, 150 ohm $\pm$ 10%, 1/2W.	S-21890		Shaft — Drive shaft
			S-21891		Socket — Tube socket for V1, V2, V3
			S-21891		Socket — Tube socket for V4, V5
			*S-22026		Trim — Cabinet trim
			*S-22024		Instructions — Instruction booklet

L-201 L-201 (A)



K=1000
ALL RESISTANCE VALUES IN OHMS.
ALL CAPACITANCE VALUES LESS THAN 1.0 IN μ F. AND
1.0 & ABOVE IN μ F. EXCEPT THOSE INDICATED.

Schematic Diagram



Chassis Layout

Alignment Procedure

Before aligning the receiver, set the gang condenser for maximum capacity and then set the dial knob opposite 55 on left hand end of the dial.

When only a portion of the circuit is to be aligned select the required portion and perform all the remaining steps.

In order to obtain best results, it is advisable to align the 455 KC I.F.'s with the help of a cathode ray oscilloscope. The scope should be connected across the volume control. If this equipment is not available, use the method outlined below in the alignment chart.

NOTE: If the test-oscillator is ac/dc operated, it may be necessary to use an isolation transformer (117 v./117 v. for the receiver during alignment.)

Alignment Chart

TEST OSCILLATOR					RECEIVER				
Order of Alignment	Connect "HI" Side To	Connect "LO" Side To	Dummy Antenna	Frequency Setting	Range Selector	Receiver Dial-Setting	Circuit To Adjust	Adjust Adjustment Symbols	Notes
1	12BA6 Pin #1	Gnd.	.01 Mfd	455 KC		"HI" End	2nd I.F. Trans.	Top Cores	Max.Out.
2	12BE6 Pin #7	Same	Same	Same	Same	Same	1st I.F. Trans.	Top & Bottom Cores	Same
3	Radiate signal			1600 KC		1600 KC	Osc.	C1B-T - C-1B	Same
4	Same			1500 KC		1500 KC	Osc.	C1A-T	Same
5	Repeat Steps 3 and 4.								