



RCA VICTOR



RADIO PHONOGRAPH COMBINATION

MODEL L-200 SERVICE DATA

— 1956 No. 29 —



Model L-200

ISSUED BY

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

ELECTRICAL AND MECHANICAL SPECIFICATIONS

TUNING RANGE

Standard Broadcast 540-1600 KC.

I.F. 455 KC.

TUBE COMPLEMENT

1. RCA 12BE6 Converter
2. RCA 12BA6 I.F.
3. RCA 12AV6 Audio, Det.
4. RCA 6C4 P.H. Inverter
5. RCA 35L6GT Output
6. RCA 35L6GT Output
- Rectifier Selenium

POWER SUPPLY RATING

Rating A.....105-125 Volts, 25 cycles, .55 amps., 63 watts

Rating B.....105-125 Volts, 60 cycles, .55 amps., 63 watts

LOUDSPEAKER

Size and Type1-8" P.M., 2-3½ P.M.

Voice Coil Impedance.....3.2 ohms at 400 cycles

POWER OUTPUT

Undistorted2.5 watts

Maximum4 watts

RECORD CHANGERMONARCH UA8 Series

Turntable Speed16⅔, 33⅓, 45 or 78 r.p.m.

Record capacityUp to 14-seven inch

or12-ten inch

or10-twelve inch

10-ten and twelve inch intermixed

CABINET DIMENSIONS

Height29"

Width29¼"

Depth16½"

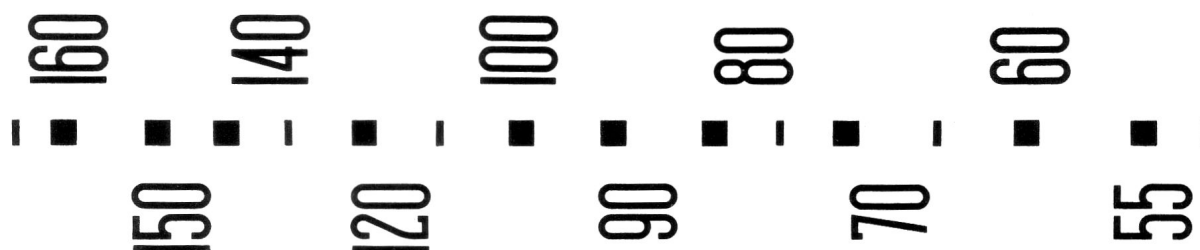


FIG. 1 DIAL SCALE DRAWING (Full Scale)

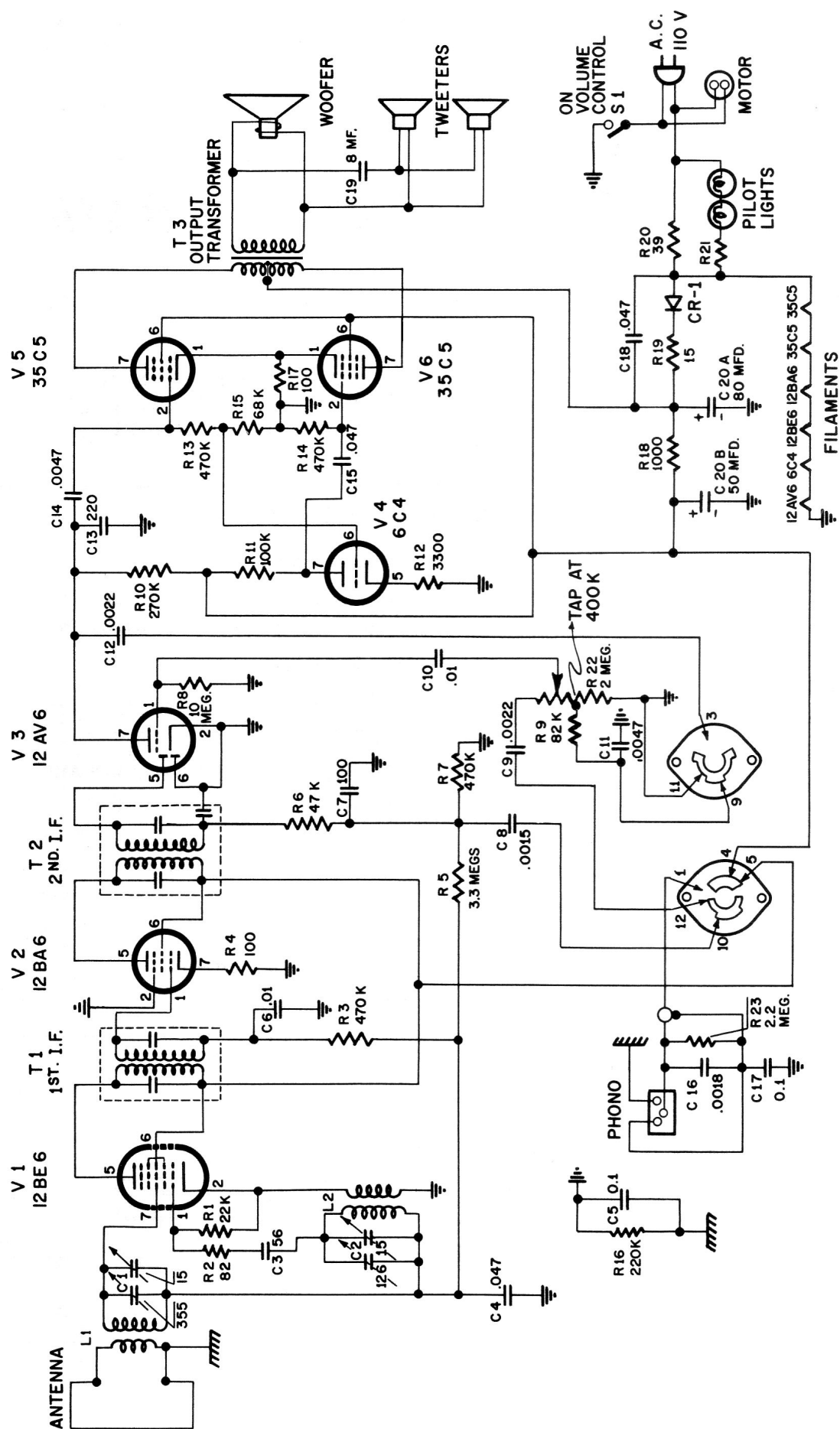
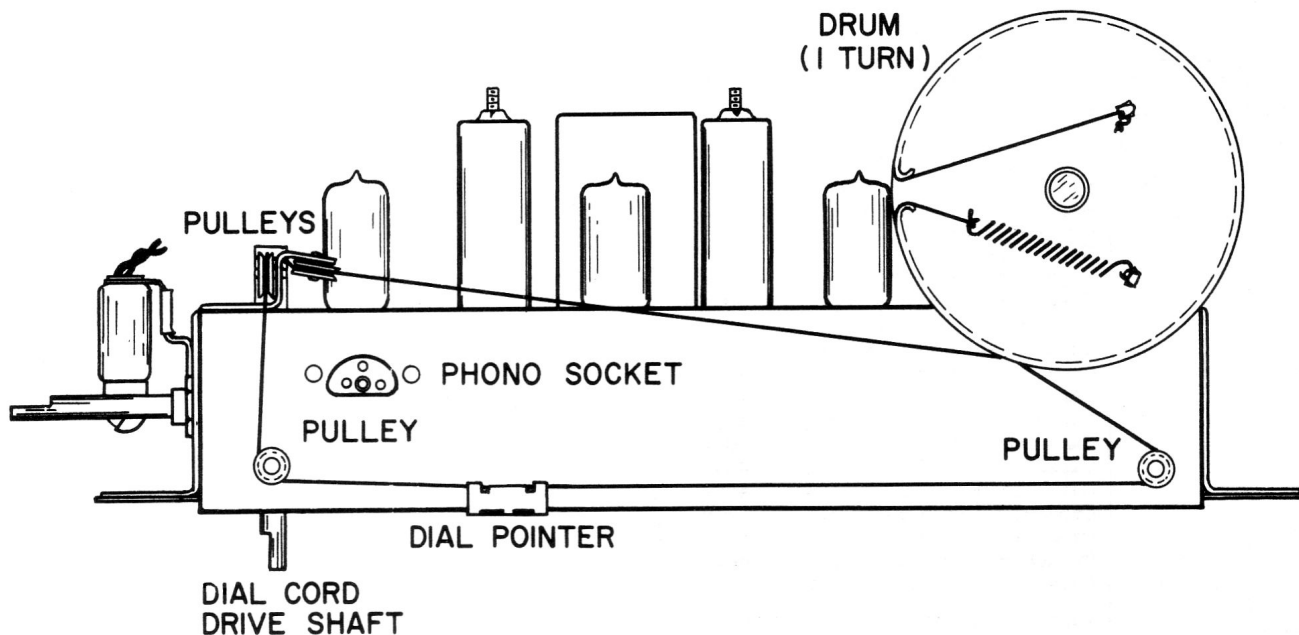
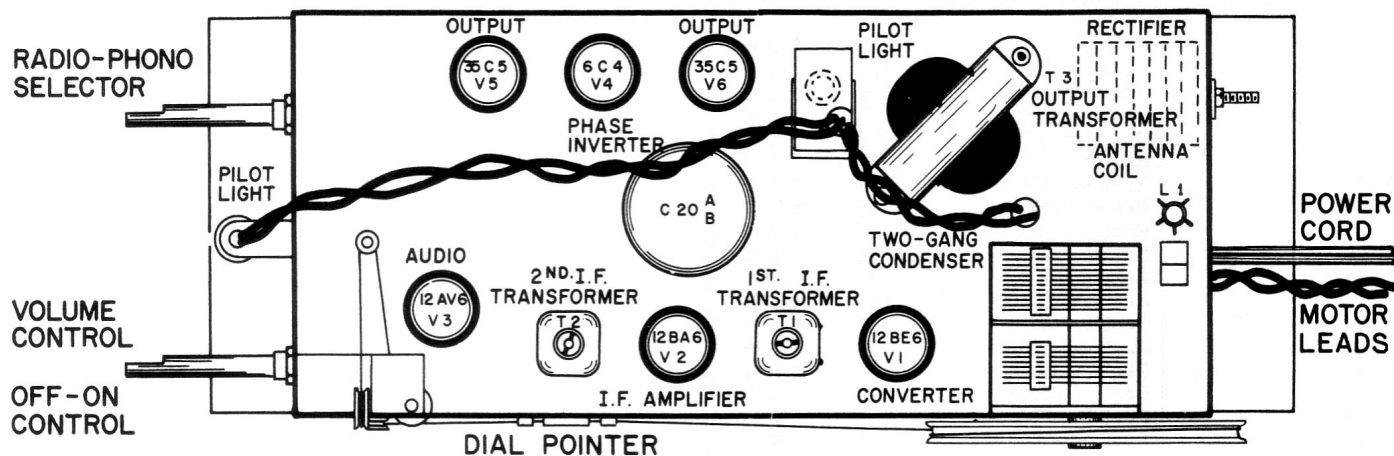


Fig. 2. Schematic Diagram



Dial Cord Stringing



Chassis Layout (Top View)

ALIGNMENT PROCEDURE

Before aligning the receiver, set the gang condenser for maximum capacity and then set the dial cursor on the calibration point at the extreme left hand end or top 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.

ALIGNMENT CHART

Order of Alignment		TEST OSCILLATOR				RECEIVER				
		Connect "HI" Side To	Connect "LO" Side To	Dummy Antenna	Frequency Setting	Range Selector	Receiver Dial Setting	Circuit To Adjust	Adjustment Symbols	Notes
S. B. Alignment	1	V-2, 12BA6 Pin #1	GND Common	0.1 MFD	455KC	Radio	"HI" End	2nd I. F. Trans.	T-2	Max. Out.
	2	V-1, 12BE6 Pin #7	Same	Same	Same	Same	Same	1st. I. F.	T-1	Same
	3	Repeat steps 1 and 2.								
I. F. Alignment	4	"Ant" Lead	Chassis GND	10MMF	580 KC	Same	580 KC	S. B. -Osc,	C-2	Same
	5	Same	Same	Same	1500 KC	Same	1500 KC	S. B. -R. F.	C-1	Same
	6	Repeat Steps 4&5								

SYMBOL	STOCK NO.	DESCRIPTION	SYMBOL	STOCK NO.	DESCRIPTION
C-1	*S-21644	Capacitor-Variable Capacitor and Drum	T-1	75486	Transformer-1st IF Transformer
C-3		Capacitor-56 mmf. 20% 500V	T-2	75487	Transformer-2nd IF Transformer
C-4		Capacitor-0.047 mfd. 20% 400V	T-3	S-21417	Transformer-Output Transformer
C-5		Capacitor-0.1 mfd. 10% 400V			
C-6		Capacitor-0.01 mfd. 20% 400V			
C-7		Capacitor-100 mmf. 10% 500V			
C-8		Capacitor-0.0015 mfd. 10% 600V			
C-9		Capacitor-0.0022 mfd. 10% 600V			
C-10		Capacitor-0.01 mfd. 10% 400V	100465		Speaker-3 1/2" P.M. complete with cone and voice coil (2 req'd.)
C-11		Capacitor-0.0047 mfd. 10% 400V	*S-21633		Speaker-10" P.M. complete with cone and voice coil (1 req'd.)
C-12		Capacitor-0.0022 mfd. 10% 600V			
C-13		Capacitor-220 mmf. 20% 500V			
C-14		Capacitor-0.0047 mfd. 10% 400V			
C-15		Capacitor-0.047 mfd. 10% 400V			
C-16		Capacitor-0.0018 mfd. 10% 600V			
C-17		Capacitor-0.1 mfd. 10% 400V	*S-21652		Assembly-Motor Lead Assembly
C-18		Capacitor-0.047 mfd. 20% 400V	*S-21657		Cap-Jewel Lamp Cap
C-19	*S-21645	Capacitor-Electrolytic-8 mfd.	*S-21656		Cord-Power Cord
C-20A }	*S-21646	Capacitor-Electrolytic- 50-80 mfd.	*S-21635		Emblem-RCA Emblem
C-20B }			*S-21634		Emblem-RCA Emblem
L-1	*S-21643	Coil-BC Antenna Coil	*S-21631		Knob-Tuning-Volume Knob Assembly (2 req'd.)
L-1	*S-21642	Coil-Oscillator Coil	*S-21632		Knob-Phono-Radio Knob Assembly
R-1		Resistor-22K 20% 1/2 W	*S-21653		Lamp-Dial Lamp (2 req'd.)
R-2		Resistor-82 10% 1/2 W	*S-21647		Manual-Instruction Manual
R-3		Resistor-470K 20% 1/2 W	*S-21650		Plate-Dial Plate Assembly
R-4		Resistor-100 10% 1/2 W	*S-21637		Pointer-Dial Pointer
R-5		Resistor-3.3 Megs. 20% 1/2 W	72602		Pulley-Tuning Pulley
R-6		Resistor-47K 20% 1/2 W	*S-21658		Retainer-Dial Glass Retainer
R-7		Resistor-470K 10% 1/2 W	*S-21640		Scale-Dial Scale
R-8		Resistor-10 Meg. 20% 1/2 W	*S-21636		Shaft-Drive Shaft
R-9		Resistor-82K 10% 1/2 W	33545		Shield-Pilot Lamp Shield
R-10		Resistor-270K 10% 1/2 W	S-9513		Socket-7 pin tube Sockets (6 req'd.)
R-11		Resistor-100K 10% 1/2 W	36422		Socket-Phono Socket
R-12		Resistor-3300 10% 1/2 W	*S-21639		Socket-Pilot Light Socket & Lead Assembly
R-13		Resistor-470K 10% 1/2 W	S-21722		Support-Lid Support
R-14		Resistor-470K 20% 1/2 W			
R-15		Resistor-68K 10% 1/2 W			
R-16		Resistor-220K 20% 1/2 W			
R-17		Resistor-100 10% 1 W			
R-18		Resistor-1000 10% 1 W			
R-19		Resistor-15 10% 1 W			
R-20		Resistor-IRC PW5 39 10% 5 W			
R-21	73072	Thermistor 95-13 OHMS			
R-22	*S-21638	Control-Volume Control-2 Meg.			
R-23		Resistor-2.2 MGS. 10% 1/2 W			
CR-1	S-21276	Rectifier-Selenium Rectifier	*S-21682		Record Changer Mechanism-60 cycles
	*S-21646	Switch-Phono Radio			

All parts subject to change or withdrawal without notice.