



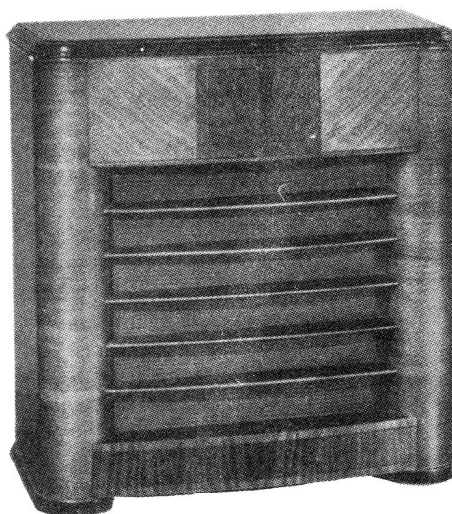
RCA Victor

MODEL VR-10

Eleven-Tube, Five-Band, Electric-Tuning, A-C, Victrola

TECHNICAL INFORMATION AND SERVICE DATA

SERVICE DIVISION • RCA VICTOR COMPANY LIMITED • MONTREAL



Electrical Specifications

FREQUENCY RANGES

"Standard Broadcast" (A)	540-1,720 kc
"49 Meter Band"	5,920-6,230 kc
"31 Meter Band"	9,480-9,690 kc
"25 Meter Band"	11,680-11,940 kc
"19 Meter Band"	15,080-15,390 kc

Intermediate Frequency 455 kc

TUBE COMPLEMENT

(1) Type-6K7	R-F Amplifier
(2) Type-6A8	First Detector
(3) Type-6J7	Heterodyne Oscillator
(4) Type-6K7	I-F Amplifier
(5) Type-6H6	Second Det., A.V.C., and Muting
(6) Type-6F5	Audio Voltage Amplifier

Pilot Lamps One Mazda 47, 6-8 volts, .15 amp; Two Mazda 44, 6.3 volts, .25 amp.

Fuse (Motor) 3 Ampere

POWER SUPPLY RATINGS

Rating A	105-125 volts, 50-60 cycles, 145 watts
Rating B	105-125 volts, 25-30 cycles, 145 watts

POWER OUTPUT

Undistorted	10 watts
Maximum	12 watts

PHONOGRAPH

Record Capacity	Seven ten or twelve inch
Turntable Speed	78 R.P.M. (Adjustable)

R-F ALIGNMENT FREQUENCIES

"Standard Broadcast" (A)	1,500 kc (osc., det., ant.), 600 kc (osc.)
"49 Meter Band"	6,100 kc (osc.)
"31 Meter Band"	9,600 kc (osc., det., ant.)
"25 Meter Band"	11,800 kc (osc.)
"19 Meter Band"	15,200 kc (osc.)

(7) Type-6F5	A-F Amp. and Audio Phase Inverter
(8) Type-6F6	Power Output
(9) Type-6F6	Power Output
(10) Type-6U5	Tuning Tube
(11) Type-5T4	Full-Wave Rectifier

LOUDSPEAKER

Type	12-inch Electrodynamic
Voice Coil Impedance	2.2 ohms at 400 cycles

Type Pickup	Crystal
Pickup Impedance	80,000 ohms at 1,000 cycles

Mechanical Specifications

Height	35 inches
Width	33 1/4 inches
Depth	17 inches
Weight (net)	104 pounds
Weight (shipping)	138 pounds
Chassis Base Dimensions	15 1/8 inches x 8 1/2 inches x 3 1/8 inches
Over-all Chassis Height	8 1/4 inches
Operating Controls.. (1)	Power Switch-Tone; (2) Volume; (3) Tuning; (4) Range Selector, left to right, "A," "49 Meter," "31 Meter," "25 Meter," "19 Meter;" Ten Push Buttons; left to right, Victrola-Attachment Switch; Eight Station Buttons, Dial-Tuning Button.

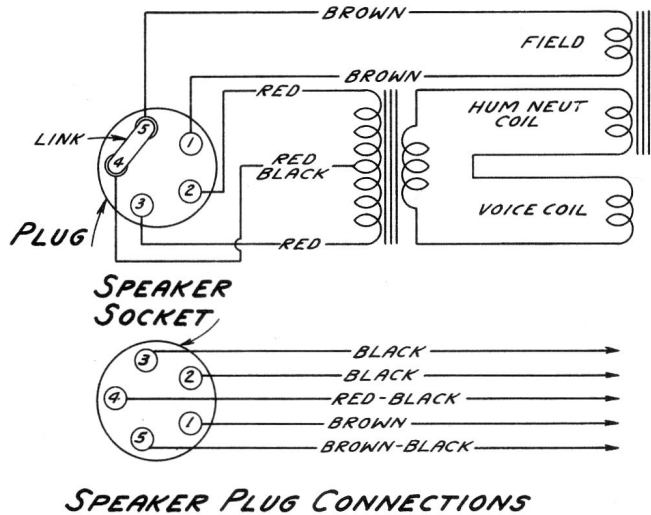
Tuning Drive Ratio (manual) 18 to 1

General Description

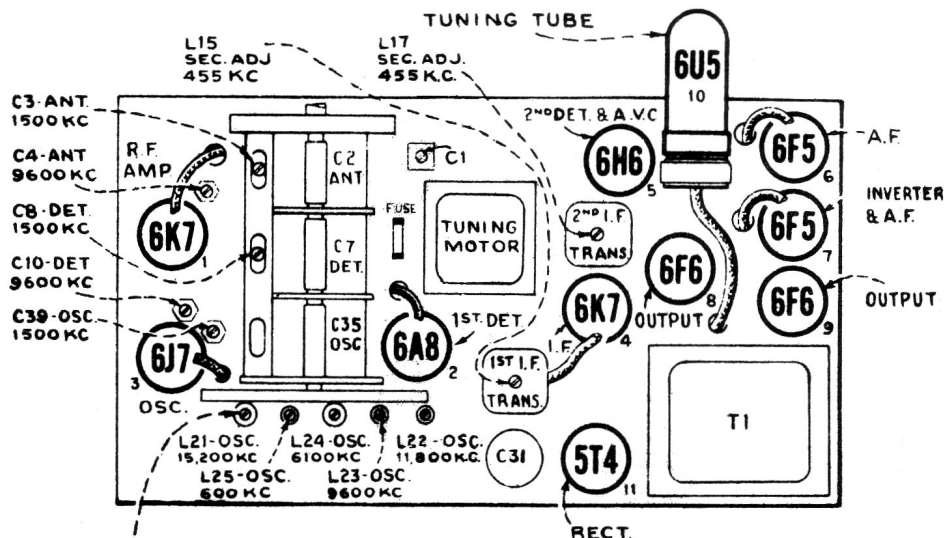
This receiver employs an eleven-tube, five-band "Magic Brain" superheterodyne circuit, similar in design to model VR-8. Features of design include electric tuning for eight broadcast stations; push-pull power output stage; magnetite-core i-f transformers; magnetite-core "A" band oscillator tracking adjustment; temperature-stabilized capacitors; four spread-bands; automatic volume control; "Magic Eye" tuning tube; 12-inch, dust-proof electrodynamic loudspeaker; aural-compensated audio volume control; continuously variable high-frequency tone control; provision for armchair control attachment; new straight-line dial; illuminated band indicator; noise-reducing adjustment on "A" band and noise reduction on "Spread bands" with RCA Victor Master Antenna.

The phonograph has a self-starting motor, crystal pick-up, and may be set to play ten-inch and twelve-inch records singly, or automatically. In the automatic position, seven twelve-inch; eight ten-inch; or a mixed group of seven, ten- and twelve-inch records, may be played in succession. The output of the pickup is "shorted" out when the pickup is on the pickup rest.

NOTE:—Reference should be made to the VR-8 Service Notes for Schematic and Wiring diagrams, Alignment Procedure, Adjustments for Electric Tuning, Replacement Parts List, etc. Models VR-8 and VR-10 differ in cabinet design only.



The above speaker plug and socket connections are common to the VR-8 and VR-10 receivers.



CAUTION: THIS ADJ. SCREW MUST PROJECT AT LEAST 3/4" FROM TOP OF CHASSIS TO PREVENT SHORTING +B.

Tube and Trimmer Locations