



Model VE-30A



RCA VICTOR



AUTOMATIC RECORD PLAYER

MODEL VE-30A

SERVICE DATA

— 1953 No. 10 —

HOME INSTRUMENT SERVICE DIVISION
RCA VICTOR COMPANY, LTD.
MONTREAL, QUE.

ELECTRICAL AND MECHANICAL SPECIFICATIONS

Tube Complement

1. RCA 12SQ7 A.F. Amplifier
2. RCA 50L6-GT Output
3. RCA 35W4 Rectifier

Power Supply Rating

115 volts, 60 cycles A.C. 50 watts

Loudspeaker

Size and type 4" x 6" PM
Voice coil impedance 3.2 ohms at 400 cycles

Power Output

Undistorted 1.2 watts Maximum 1.5 watts

Dimensions (overall)

Height 10 $\frac{3}{4}$ " Width 13 $\frac{7}{8}$ " Depth 13 $\frac{1}{2}$ "

Weight

Net weight 15 lbs.

Record Changer (124196 Series)

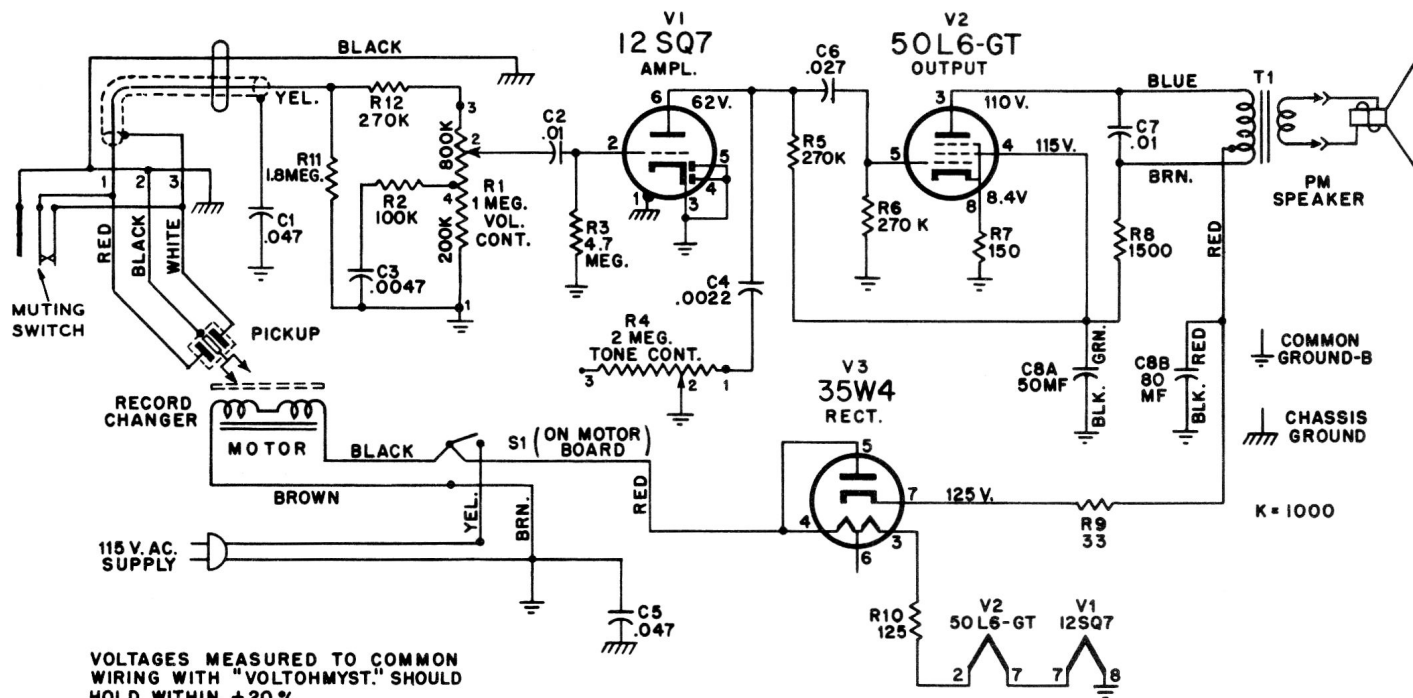
Turntable speed 33 $\frac{1}{3}$, 45 or 78 r.p.m.
Record capacity Up to fourteen 7 inch RCA type
or twelve 10 inch.
or ten 12 inch.
or ten 10 in. and 12 in. intermixed.

Pickup (Stock No. 75475) .. Crystal with replaceable styli.

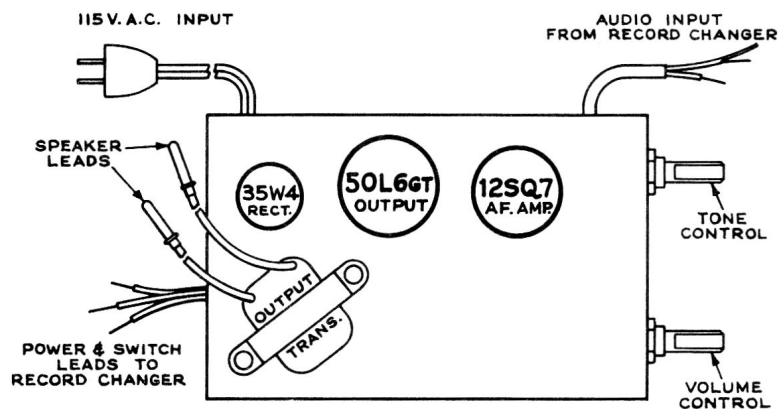
REPLACEMENT PARTS FOR MODEL VE-30A

STOCK No.	DESCRIPTION	STOCK No.	DESCRIPTION
	AMPLIFIER ASSEMBLIES		
*S-20071	Capacitor—Electrolytic comprising one section of 50 mfd., 150 volts and one section of 80 mfd., 150 volts---(C8A, C8B)		Resistor—100,000 ohms, 10%, $\frac{1}{2}$ watt ----(R2)
	Capacitor—Tubular, paper, .0022 mfd. 600 volts -----C4		Resistor—270,000 ohms, 10%, $\frac{1}{2}$ watt (R5,R6,R12)
	Capacitor—Tubular, paper, .0047 mfd. 600 volts -----C3		Resistor—1.8 megohms, 10%, $\frac{1}{2}$ watt----- (R11)
	Capacitor—Tubular, paper, .01 mfd. 400 volts -----C2, C7		Resistor—4.7 megohms, 20%, $\frac{1}{2}$ watt----- (R3)
	Capacitor—Tubular, paper, .027 mfd. 400 volts -----C6	*S-20069	Transformer—Output Transformer -----(T1)
	Capacitor—Tubular, paper, .047 mfd. 400 volts -----C1, C5		
75562	Control—Tone control ----- (R4)		SPEAKER ASSEMBLY
*S-20068	Control—Volume control ----- (R1)	*S-20067	Speaker—4" x 6" P.M. Speaker complete with cone and voice coil (3.2 ohms)
	Resistor—wire wound, 125 ohms, 5 watts-- R10		MISCELLANEOUS ASSEMBLY
	Resistor—33 ohms, 20%, 1 watt----- (R9)	*S-20066	Cabinet - Plastic cabinet - Maroon
	Resistor—150 ohms, 10%, $\frac{1}{2}$ watt ----- (R7)	S-20029	Cloth - Grille cloth
	Resistor—1500 ohms, 10%, $\frac{1}{2}$ watt ----- (R8)	*S-20070	Knobs - Control knobs
		76787	Foot - Rubber foot

(*) Indicates new stock items.



Schematic Diagram



Amplifier Top View

CONTROLS

The record changer has a dual control on the motor-board and a stylus selector control on the pickup arm. The inner control (circular knob) is the OFF-ON-REJECT control. Turning this knob to the center position energizes the motor and starts the turntable, when turned to the right (clockwise) it starts the mechanism into complete automatic operation. The mechanism will shut off automatically after the last record has been played but can be shut off manually by turning this knob to the left (counter-clockwise).

The outer control (double ended lever) is the speed control. It has three positions; "33", "45", "78", to select the turntable speed desired.

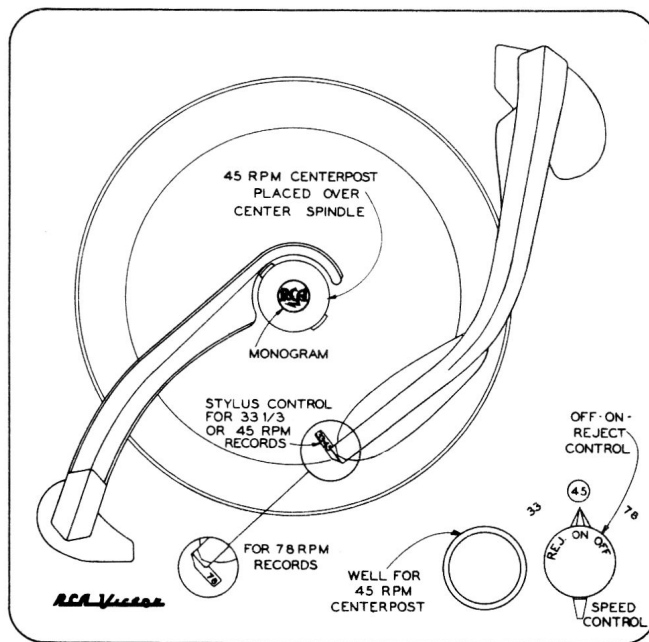
The stylus control has two normal positions (right and left) and one shipping position (lever pointing up). When playing 33 $\frac{1}{3}$ or 45 r.p.m. records the lever is turned so that "33-45" is visible on the TOP of the lever; likewise for 78 r.p.m. records "78" should be visible on the TOP.

The removable centerpost is for use with 45 r.p.m. records having the large centerhole. It must be placed over the center spindle with the "RCA" trademark monogram FACING to the FRONT. When not in use it is placed in a well at the front of the motorboard.

CRITICAL LEAD DRESS

1. Dress R₃ down next to chassis.
2. Dress all leads away from R₉ and R₁₀.
3. Dress power cord and other A.C. leads down next to chassis.
4. Connect C₂ and C₄ with short leads.
5. Dress electrolytic capacitor leads away from audio input circuit.

FOR RECORD CHANGER SERVICE INFORMATION— REFER TO 124196 SERIES SERVICE DATA



Record Changer Controls