

MODEL 45E



RCA VICTOR



RECORD CHANGER

MODEL 45E

SERVICE DATA

1950 NO. 23

GENERAL SERVICE DIVISION
RCA VICTOR COMPANY LIMITED
MONTREAL, QUE.

Electrical and Mechanical Specifications

MODEL 45E (Record Changer RP-168-1)

Turntable speed45 R.P.M.
Records used.....Fine groove—7 in.
Record capacity10 Records
Pickup.....Crystal (Medium output)

POWER SUPPLY RATING45E
115 Volts, 25 or 60 cycles A.C.....45 watts

TUBE COMPLEMENT

1) Type 12AV6 Amplifier
2) Type 50C5 Output
3) Type 35W4 Rectifier

LOUDSPEAKER

Size and Type4 in. P.M.
Voice coil impedance3.20 ohms at 400 cycles

POWER OUTPUT

Undistorted1.0 watt
Maximum1.25 watts

DIMENSIONS (Overall)

	Height	Width	Depth
45E	7 $\frac{5}{8}$ "	9 $\frac{1}{8}$ "	9 $\frac{5}{8}$ "

REPLACEMENT PARTS FOR MODEL 45E

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

STOCK NO.		DESCRIPTION	STOCK NO.		DESCRIPTION
CHASSIS ASSEMBLY			MISCELLANEOUS ASSEMBLIES		
*S-6092		Capacitor, .0047 Mfd. $\frac{1}{2}$ - 10% 600V. (C-4)	*S-6090		Base, cabinet base
		" .01 Mfd. $\frac{1}{2}$ - 20% 200 V. (C-3)	S-5037		Baffle
		" .018 Mfd. $\frac{1}{2}$ - 10% 200V. (C-6)	*S-6089		Cabinet
		" .047 Mfd. $\frac{1}{2}$ - 20% 400V. (C-8)	S-5036		Cable - pickup cable
		" .1 Mfd. $\frac{1}{2}$ - 20% 400V. (C-7)	S-5039		Cable - 2 pin plug & cable assy.
		" Electrolytic 50 - 80 Mfd. (C-5A, C-5B)	S-3467		Cord - power cord
S-4996		Resistor 33 ohms $\frac{1}{2}$ - 20% (R-11)	S-5751		Knob
		" 120 " $\frac{1}{2}$ - 10% S.W. W.W. (R-7)	S-5661		Monogram "RCA Victor"
		" 150 " $\frac{1}{2}$ - 10% $\frac{1}{2}$ W. (R-9)	74192		Plug - pickup cable plug
		" 2700 " $\frac{1}{2}$ - 10% $\frac{1}{2}$ W. (R-10)	30868		" - 2 pin socket for motor cable
		" 270K. $\frac{1}{2}$ - 10% $\frac{1}{2}$ W. (R6,R8)	30870		" - 2 pin plug
		" 470K. $\frac{1}{2}$ - 20% $\frac{1}{2}$ W. (used on 25 cycles only across muting switch.)	S-6091		Speaker bracket assy.
		" 4.7 Meg. ohms, $\frac{1}{2}$ - 20% $\frac{1}{2}$ W. (R-5)	S-4992		Trip lever assy.
38406		Volume Control (R-3)			
S-5033		Transformer - Output trans. (T-1)	AUTOMATIC RECORD CHANGER MECHANISM		
SPEAKER ASSEMBLIES					
S-5829		Speaker	Refer to the RP-168 Series service note, Issue No. 2 for replacement parts & service data.		
S-5575		Cone & Voice Coil Assy			
			* Indicates new stock items		

Only items listed under stock numbers are available as Replacement Parts.

All parts subject to change or withdrawal without notice.

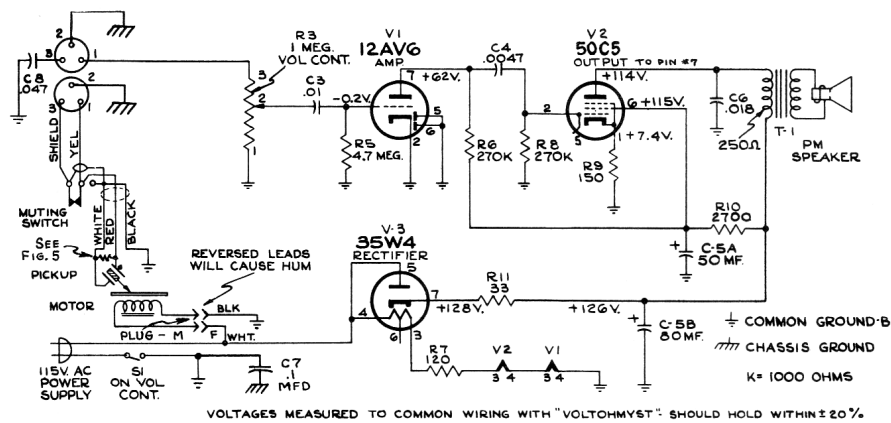


Fig. 1 Schematic Diagram

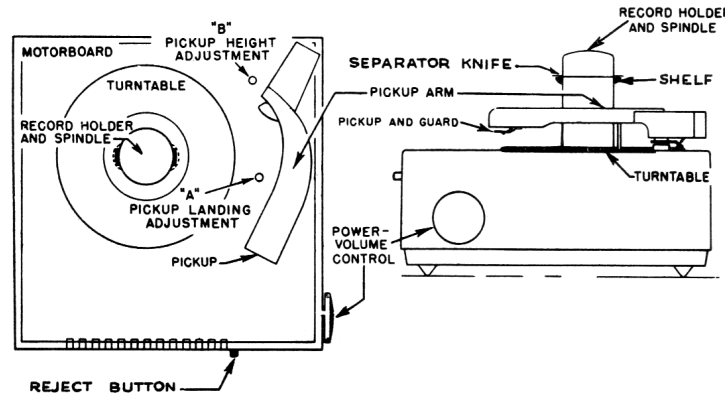


Fig. 2 Top View

Fig. 3 Side View

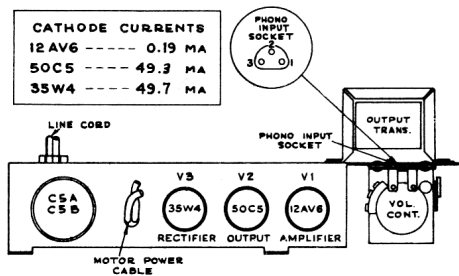


Fig. 4 Chassis Layout

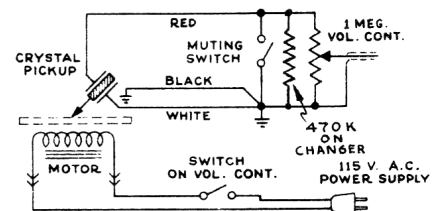


Fig. 5 Phono Input Connection (25 Cycle Input)

Pickup Landing Adjustment "A"

The pickup point should land half-way between the outer edge of the record and the first music groove.

If the pickup lands inside the starting grooves—turn screw "A" slightly clockwise. If pickup lands outside the starting grooves—turn screw "A" slightly counterclockwise.

Pickup Height Adjustment "B"

During cycle the pickup arm must rise high enough to clear a stack of eight records on the turntable, but not high enough to cause the top of the arm to touch records resting on the record supports.

If pickup does not clear a stack of eight records—turn screw "B" slightly clockwise. If pickup arm touches records on record supports—turn screw "B" slightly counterclockwise.

Record Changer Mounting

The cabinet is used as the motor board of the record changer. The record changer is attached to the cabinet with three screws, grommets and spacers. **THE PICKUP ARM MUST BE REMOVED BEFORE THE RECORD CHANGER CAN BE REMOVED—REFER TO RP-168 SERIES SERVICE DATA. (Issue No. 2)**

To Remove Chassis

Remove the four screws at the corners of the bottom cover, separate the motor power plug and socket and remove the pickup cable from its socket on the amplifier chassis.

Elongated holes permit the speaker position to be adjusted. If the speaker should be replaced or its mounting bracket loosened, the speaker mounting bracket screws should not be tightened until after the bottom cover is assembled to the cabinet.