



RCA Victor

Model CV-12 A.C. Power Unit

TECHNICAL INFORMATION AND SERVICE DATA

SERVICE DIVISION • RCA VICTOR COMPANY LIMITED • MONTREAL

Electrical Specifications

Power Supply	60 cycle, 105-125 volts, 15 watts
Power Supply	25 cycle, 105-125 volts, 15 watts
Output "B" voltage	90 volts
Output "A" voltage	1.5 volts
Output "B" current	14 MA
Output "A" current	0.3 amps.
Fuse Rating	1/2 amp.
Length	6 inches
Width	3 1/2 inches
Depth	5 1/4 inches

General Description

The RCA Model CV-12 is a compact, self-contained, power conversion unit which operates from a 105-125 volt A.C. source and supplies all "A" and "B" power

required to operate up to and including 6 tube receivers using the 1.4 volt type tubes.

When installed, the receiver plugs are inserted in the sockets located on the side apron of the unit.

General Operation

Three sockets are provided on the side apron of the Power Unit for ease of installation. The three plugs on the receiver battery cable are connected to the Power Unit sockets as follows:—The three prong plug connected to the red wire of the receiver battery cable must be inserted in the three contact socket designated by a red dot. This is the centre socket. The other three prong plug is then inserted in the remaining three contact socket.

The two prong plug on the receiver battery cable is inserted in the two contact socket. Use only the switch in the line cord of the Power Unit when turning the radio off or on. The switch on the radio should be left in the "On" position.

IMPORTANT. If the Power unit is used with a receiver having more than 5 tubes it will be necessary

to remove the Brown-Green-Black (15 ohm) resistor shown in diagram Fig. 2 designated as R-1.

The "A" supply of this power unit is supplied through a dry disc rectifier. If the radio ceases to operate or drops off in performance, it may be due to a chemical change in this rectifier. This may cause the "A" voltage to drop low enough to affect the performance of the receiver. The normal "A" voltage is 1.5 volts.

To reactivate the rectifier it is only necessary to short the "A" plus and "A" minus terminals for a period of 4 minutes. The high temperature developed in the rectifier during this period has the tendency to restore the discs to their normal rectifying capacity.

This deactivated condition is more likely to occur in the rectifier when the power unit has been out of service for some length of time (4 months or more).

REPLACEMENT PARTS FOR MODEL CV-12

Insist on genuine factory tested parts, which are readily identified and may be purchased from authorized dealers.

STOCK NO.	DESCRIPTION	STOCK NO.	DESCRIPTION
4870	Capacitor-.025 mfd.(C1).....	3748	Fuse-1/2 Ampere fuse (Pkg.2).....
30873	Capacitor-Electrolytic consisting of 2 sections of 20 mfd., 150 volt (C2,C3).....	36551	Rectifier-1.5 volt rectifier.....
S-3422	Capacitor-Electrolytic,1500 mfd. 3 volt (C4,C5,C6).....	12014	Resistor-15 ohm 1/2 watt (R1).....
36547	Coil-High Voltage choke coil(L1)	S-3219	Socket-2 contact output socket.....
36548	Coil-Low voltage choke coil (L2)	S-3222	Socket-3 contact output socket.....
36549	Coil-Low voltage choke coil (L3)	18008	Socket-Tube socket.....
		36550	Switch-Power cord switch (S1).....
		S-3423	Transformer-Power 105/125 volt 25/60 cycle (T1).....

