



# RCA Victor

## Model VA-22 Deluxe Victrola Attachment TECHNICAL INFORMATION AND SERVICE DATA

SERVICE DIVISION • RCA VICTOR COMPANY LIMITED • MONTREAL

### Specifications

#### MODEL VA-22

#### Victrola Attachment

Record Capacity.....Eight 10-inch or Seven 12-inch  
MOTOR.....Constant-speed, self-starting  
PICKUP.....Crystal  
Pickup Impedance.....0.1 meg. at 1,000 cycles  
Average Output.....1½ volts across 0.5 meg.

#### POWER SUPPLY RATINGS

A1.....105-125 volts, 60 cycles, 50 watts  
A2.....105-125 volts, 25 cycles, 50 watts  
CABINET DIMENSIONS.....32-in. x 19½-in. x 15½-in.  
Weight, gross.....59 lbs.

### General Description

Model VA-22 is a deluxe Victrola attachment incorporating the Type RP-140 automatic record changing mechanism and a compensated volume control network. Reference to the RP-140 Service Notes will disclose complete adjustment details and service hints for the automatic mechanism.

Where a receiver has a terminal board supplied for ease in connecting a record player, reference to the Service Notes will disclose full connection details for the particular model in question.

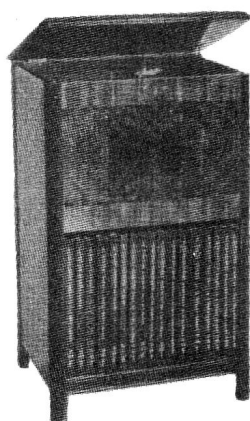
### Connecting Model VA-22 to Radio Receivers

Methods of connecting the Victrola Attachment to various types of audio systems are given in the accompanying text and illustrations. The data given requires that an RCA Stock No. 9824 Radio-Phono switch be used for switching from radio to phonograph, as desired. For ease in connecting the "phono" lead to the Stock No. 9824 switch, the male plug on the end of the lead should be removed by unsoldering or by cutting it off.

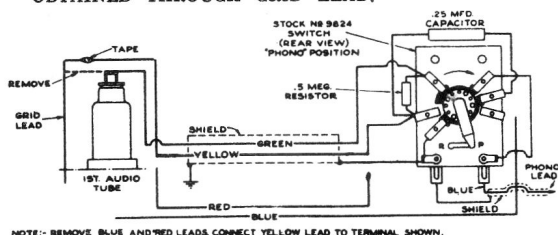
In general, the Victrola Attachment must be used with radio receivers having at least two stages of high-gain audio amplification. The output of the Victrola Attachment should be connected to the input of the first audio tube, and at the same time the output of radio receiver portion of the chassis should be shorted or opened, to prevent radio signals being heard while the Victrola Attachment is in operation.

#### 1939 RCA RADIOS OF THE "90" SERIES:

Plug male connector on the end of the "phono" lead into the female connector on the receiver chassis. Push or turn the "Phono" switch to "Phono" position, and operate the Victrola Attachment according to instructions.

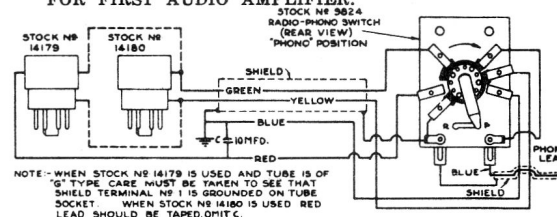


RADIO RECEIVERS WHOSE FIRST AUDIO TUBE IS OF THE GRID CAP TYPE, AND FIXED BIAS FOR TUBE IS OBTAINED THROUGH GRID LEAD.



NOTE: REMOVE BLUE AND RED LEADS CONNECT YELLOW LEAD TO TERMINAL SHOWN.

#### RADIO RECEIVERS USING 6C5 OR 6J5, 6C5G OR 6J5G, TUBE FOR FIRST AUDIO AMPLIFIER.

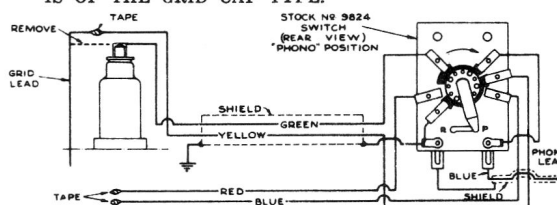


NOTE: WHEN STOCK NO 14179 IS USED AND TUBE IS OF 'G' TYPE CARE MUST BE TAKEN TO SEE THAT SHIELD TERMINAL NO 1 IS GROUND ON TUBE SOCKET. WHEN STOCK NO 14180 IS USED RED LEAD SHOULD BE TAPED, OMIT.

Stock No. 14179 Adapter opens grid circuit, and inserts 2,700 ohm resistor in cathode of 6C5 or 6J5 tubes, for bias on Phono reproduction.

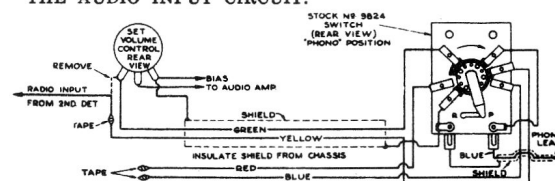
Stock No. 14180 Adapter opens grid circuit of 6C5 or 6J5 tube.

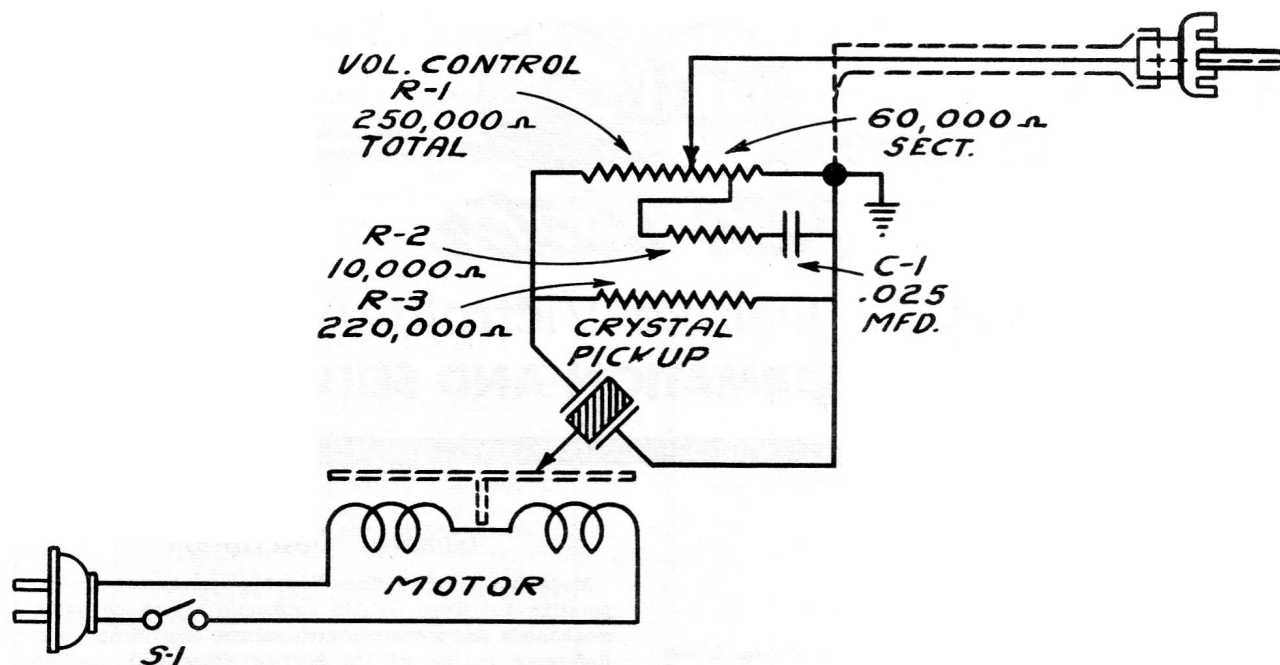
#### RADIO RECEIVERS WHOSE FIRST AUDIO AMPLIFIER TUBE IS OF THE GRID CAP TYPE.



NOTE: THIS METHOD FOR USE ONLY WHEN BIAS FOR THE TUBE IS OBTAINED BY MEANS OF CATHODE RESISTOR

#### RADIO RECEIVERS WHERE THE VOLUME CONTROL IS IN THE AUDIO INPUT CIRCUIT.





Schematic Circuit Diagram

## REPLACEMENT PARTS FOR MODEL VA-22

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

STOCK NO.	DESCRIPTION	STOCK NO.	DESCRIPTION
<b>MISCELLANEOUS ASSEMBLIES</b>			
33595	Cable-Shielded output cable with male plug.....	12264	Resistor-220,000 ohm, 1/4 watt (R3).....
4870	Capacitor-.025 mfd. (C1).....	4119	Screw-Knob retaining set screw (Pkg.5).....
30698	Hinge-Cabinet lid hinge.....	31470	Springs-Motorboard mounting springs, screw and washer (4 required).....
31564	Holder-Needle card holder.....	35594	Support-Cabinet lid support.....
12673	Knob-Volume control knob.....	31108	Volume Control (R1).....
14559	Resistor-10,000 ohm, 1/4 watt (R2).....		

Refer to RP-140 Service Notes for Mechanism Assemblies