

INSTRUCTIONS FOR

RCA Victor Model A-39

Radio Receiver with Push Button Operation

Electrical Specifications

The RCA Victor Model A-39 is a six band receiver, equipped with eight push buttons for automatic tuning, and built-in antennas for both Broadcast and Short Wave. The superheterodyne circuit is designed for reception on Broadcast and Short Wave, with Automatic Volume Control, Magic Eye Tuning Indicator, and Push Pull Pentode output. The tube complement consists of one type 6SA7, two 6SK7, and one 6SQ7, two 6K6G, one 6SF5, one 5Y4G, and one Magic Eye 6U5. For the physical location of these tubes, refer to the diagram on the label inside the cabinet. This receiver is available for both twenty-five and sixty cycle operation. It is important that the receiver is operated with the current for which it is designed. Otherwise, while the 25 cycle will operate satisfactorily on 60 cycle; the 60 cycle instrument when operated on 25 cycle outlet will be damaged. On the name plate located on the back of the chassis is stamped a symbol indicating the type of current for which the instrument was designed.

Antenna

This receiver is equipped with a built-in rotatable loop Antenna carefully engineered to give you maximum performance with minimum noise from sources of man-made interference

and should be rotated to the position where maximum pick up is obtained. It is therefore the most desirable type of antenna to use in most locations where the broadcast station signals are strong enough to provide the high standard of entertainment this receiver was designed to give.

If this receiver is to be installed in a more rural location where the broadcast stations do not provide such a strong signal, or if you desire maximum sensitivity in order to listen to extremely weak signals (probably with some sacrifice of freedom from noise) a properly designed and installed outdoor Antenna is recommended; in which case we suggest you consult your radio dealer, who knows what type and kind is best suited for your particular needs.

External Antenna Connections

On the back of the chassis there is a terminal board with two terminals; the one on the left marked "A", the one on the right marked "C". When an external antenna is used, it should be attached firmly to the "A" terminal. Also, the "C" terminal should be connected to a nearby ground, such as a water-pipe or a metallic stake driven at least four feet into the ground.

UNPACKING AND INSTALLATION

Unpack with care so as not to damage the finish of the cabinet. Remove cleat which holds rotatable loop antenna in place. Read all labels and tags and follow instructions printed thereon carefully. See that the knobs are properly attached on shafts. Insert the power cable in

an electrical outlet supplying alternating current of the proper voltage and frequency (cycles) as specified on the name plate attached to the rear of the chassis. You can verify the voltage and frequency from your power company.

OPERATION

The range of the receiver covers:

Broadcast "A" — band: 540 — 1570 kilocycles. Short Wave "B" band: 2.3 — 7.0 megacycles. Short Wave Spread bands: 31, 25, 19 and 16/13 Meters.

Consult your newspapers and radio publications for programs and station frequencies.

Controls.—There are four control knobs below and eight push buttons above the dial.

The Volume Control.—This is located on the left and as the knob is rotated in a clock-

wise direction the volume is increased for Radio, Victrola, Television or Frequency Modulation sound reproduction.

The Power-Tone Control.—The second knob from the left on the control panel is the Power-Tone Control. A twist to the right turns on the current to the receiver, turning to the right (clockwise) varies the tone from mellow to brilliant.

The Range Selector.—The second knob from the right is the range selector, which selects

the major frequency range for push button tuning on the "A" band or manual dial tuning on the "Broadcast"—A band, B band or 31-, 25-, 19-, 16/13 meter bands. An indicator in the dial shows the major frequency band in use.

The Tuning Control.—The knob on the right is the tuning control, which selects the desired stations, and moves the pointer on the Band Spread Overseas Dial to indicate the frequency to which you are tuning.

Push Buttons.—Eight push buttons are provided with this instrument, which are placed above the dial. When adjusted and labeled as explained under the heading "Push Button Tuning", each button will be set for one of your favorite Standard Broadcast stations. Then "Push a button, there's your station." For push-button tuning the range selector must be at "PB".

The Dial.—There are six scales on the Band Spread Overseas Dial. The "A" scale is for Standard Broadcasts, "B" scale for Amateur, Aircraft and 49-meter band, and four spread bands for Short-Wave programs. The important short-wave bands are indicated and named in their positions on their respective scales. The great majority of short-wave broadcasts of an entertaining type will be found in the 49-, 31-, 25-, 19-, 16- and 13-meter bands, which are indicated on the dial. Stations in the 49-meter band are best heard after nightfall; those in the 19-, 16- and 13-meter bands are best heard during the day. Stations in the 31- and 25-meter bands can be heard equally well day or night.

In your shortwave reception you must realize that only under suitable conditions can you be sure of receiving London, Paris and other long distance stations.

To operate this instrument, first turn on the Power-Tone Control and allow a warm up period. For radio operation, make sure that push Button No. 1 is not pressed down as this is for Phonograph, Television, or Frequency Modulation operation. To put it in its "Up" position, simply press one of the other Push Buttons.

Dial Tuning.—Select the desired scale with the Range Selector knob and then tune for the frequency of the desired station with the Tuning Control.

Make slow and careful adjustment of the tuning control until the station is accurately tuned in. Tune very carefully for short wave stations; otherwise, stations will be passed over without being heard. The Magic Eye, located in the center of the dial, is a scientific aid to obtain extreme accuracy in tuning. When the dark sector is at its narrowest possible width the desired station is tuned in.

For silent tuning the volume may be turned low and the Magic Eye followed, turning volume up when the Magic Eye indicates that a station has been tuned in.

When tuning in a Broadcast station, rotate the loop by means of the knob on the right side of the cabinet until maximum signal strength is received as indicated by the Magic Eye.

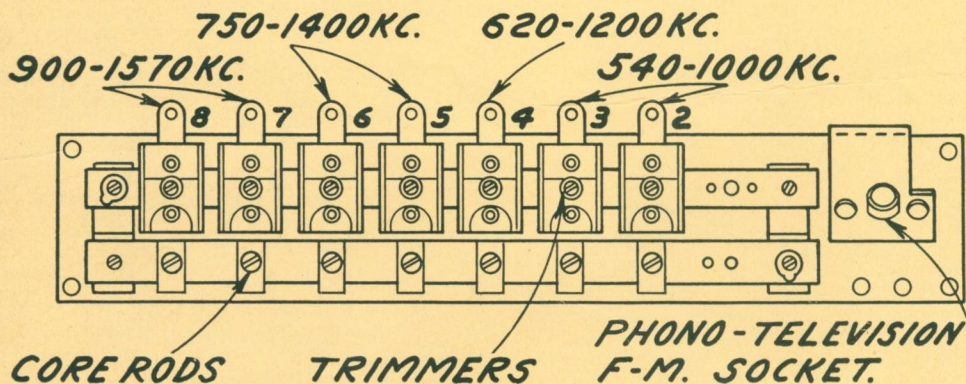


Figure 1

Push Button Tuning.—With care you can make your own adjustments for setting up the push buttons for Electric Tuning, but it is advisable to have your dealer make the set-up for you. Any seven stations in the Standard broadcast range may be chosen. A sheet of call letter tabs is supplied for insertion in the recesses in the push buttons. Victrola tab should be inserted in Button No. 1.

Each particular push button has a given range of frequencies which it covers. Choose stations covered by the frequencies as shown in Fig. 1, looking in the back of the receiver.

It is best to adjust stations in order of frequency. Choose your seven stations, one for each button. Press out the seven tabs and insert in the recesses in the buttons. Then turn on power, advance Volume control and allow a five-minute warm-up period before making the following adjustments. As an example, suppose that button No. 2 is to be set to a station at 560 k.c.

- (1) Turn range Selector to "A" position and manually tune to the 560 kc. station.
- (2) Turn Range Selector to "PB" position,

press button No. 2 which is located second from left on front panel.

(3) Referring to Fig. 1, adjust the small core rod located directly below Trimmer No. 2 until 560 k.c. station is heard. This adjustment should be made with the small screw driver supplied with the receiver for this purpose.

(4) Adjust Trimmer No. 2 until station is heard at its best.

(5) Proceed in order of frequency to adjust the other six stations as outlined above.

(6) After the set-up is made for all seven stations, make a final adjustment of all core rods, until best reception is obtained.

A station may be changed at any time by following the above instructions.

RCA Victrola Attachment

An RCA Victrola Attachment will convert your new radio receiver at will to a modern all-electric instrument, playing Victor "Higher Fidelity" records through your radio loud-

speaker. The pin plug on the connector cord of the Victrola Attachment simply plugs into the Victrola jack located on the push button switch. Then setting Range Selector to "PB" and pressing Victrola Button No. 1 makes the conversion from radio to phonograph so that you may enjoy "the music you want when you want it." Delicacies of record tones may be brought out by the proper setting of the receiver and Victrola Attachment volume controls. Low notes will usually be emphasized by turning the volume down on the receiver and up to the required level on the Victrola Attachment.

Television or Frequency Modulation Attachment

Provision is made on this receiver to reproduce the sound portion of a Television or Frequency Modulation program. When these broadcasts become available in your locality a Television or Frequency Modulation attachment may be used in conjunction with this instrument to make a complete combination. The pin plug on the connector cord of the Attachment plugs into the jack connector on the push button switch assembly.

SERVICE

Every radio should be inspected occasionally by a competent radio service engineer. Tubes age and factory adjustments change so gradually that unless your instrument is checked over at least once a year, you may not obtain

the best performance that the receiver is capable of giving, without your knowing exactly why. Have your dealer give your instrument a "check-up" at least once every year, and call him if any difficulty is encountered.

Guarantee

THE cabinet work and equipment (tubes excepted) of RCA Victor Radio, Type.....Serial No..... are guaranteed against hidden defects in either material or workmanship for a period of 90 days from the date of purchase as noted below and all parts (tubes excepted) showing such defects within such period will be, at our option, repaired or supplied free—cost of installation at owner's expense.

This guarantee will cease if at any time tubes other than those approved by RCA Victor Co. are used and in any event it does not extend to cover any injury to parts from any cause other than hidden defects in RCA Victor work and/or equipment.

This guarantee will not apply on any instrument which has had the serial number altered, effaced or removed.



RCA Victor Company, Limited
Montreal, Canada

Date of Purchase:

Purchased from

.....
(RCA Victor Authorized Dealer)

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