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Box 534

SETTING AND OPERATING AUTOMATIC TUNING

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Models 39-17, 39-18, 39-19, 39-70, 39-75, Code 121, 39-80

Setting the stations on Automatic Tuning Models is a simple operation which can be done by almost anyone in a few minutes time. For best results follow these instructions carefully.

Select six of your favorite nearby broadcast stations and remove their call letters from the station call letter tab sheets supplied. Insert these call letters in the escutcheon directly in front of the buttons at the top of the cabinet.

Hold the "Station Selector" knob to prevent it from rotating while you insert a large coin in the screw head at the center of the knob, (see figure) and loosen by turning counter-clockwise about one turn. Press down any one of the six buttons. Holding it down, tune in with the "Station Selector" the station corresponding to the call letters in front of the button. With the volume low, turn the "Station Selector" knob slowly back and forth until the signal is clearest. The station is then tuned in correctly.

Release the button and press another button all the way down. Follow the above instructions, tuning in the station accurately with the button held down. In the same way continue to set all the buttons.

After all buttons are set, and the last one is released, hold the "Station Selector" knob to prevent it from turning while you tighten the screw at the center of the knob. When the screw is tightened the unit is ready to operate.

If it is ever desired to substitute a station received well in your locality for a station already set, follow the same procedure, setting up only the desired station.

To tune your receiver automatically simply press down the button in the rear of the desired station call letters. Be sure that you press the button all the way down until a distinct stop is noted. The volume of the program received can be controlled by the manual volume control at the left side of the cabinet.

While the above procedure is satisfactory in setting up push buttons for stations, a very accurate adjustment can be obtained with a vacuum tube voltmeter. The instructions for using a vacuum tube voltmeter will be found on page 2 under "Using Vacuum Tube Voltmeter for Aligning Compensators and Adjusting Pushbuttons of Receivers".

SETTING AND OPERATING ELECTRIC PUSH BUTTON TUNING

Models TP-5, TP-11, TH-5

Select five of your favorite nearby broadcast stations and remove their call letters from the station call letter tab sheets supplied. Place the call letters in the windows above the buttons, making sure that each respective button covers the frequency of the station for which it is to be used. The frequency of the popular stations in your vicinity may be found by consulting any station list. The frequency range of the buttons is as follows:—

Padders (right to left from rear)	Circuit	Buttons (left to right from front)	Frequency Range
1	Ant }	1	540 to 1030 kilocycles
2	Osc }		
3	Ant }	2	650 to 1100 kilocycles
4	Osc }		
5	Ant }	3	740 to 1240 kilocycles
6	Osc }		
7	Ant }	4	900 to 1470 kilocycles
8	Osc }		
9	Ant }	5	1160 to 1600 kilocycles
10	Osc }		
		6	Dial

The left-hand button looking at the front of the cabinet corresponds to the two right-hand screws looking at the rear and covers the lowest frequency range.

With the "Manual" button depressed, tune in the station whose call letters appear above the left-hand button. Then depressing the left-hand button, tune in this station by rotating

the "OSC" screw of No. 1 pair (at the right end of the unit looking at the rear of the chassis). Turn the screw slowly and listen carefully or the station may be passed without noticing it. After the "OSC" screw has been adjusted for maximum volume, the corresponding "ANT" screw should be adjusted for maximum. For some stations, it may be necessary to re-adjust the "OSC" screw after the "ANT" screw has been set. Switching from the "Manual" to the automatic push button will enable you to make sure you have the correct station tuned in. When the first station has been set, the same procedure should be followed for the remaining buttons, first tuning in the desired station by means of the "Manual" control.

To tune the receiver with the "Push-Buttons," simply press in the button which is under the call letters of the desired station. Your station will be received instantly. The volume of the program may be controlled with the manual volume control.

While the above procedure is satisfactory in setting up push buttons for stations, a very accurate adjustment can be obtained with a vacuum tube voltmeter. The instructions for using a vacuum tube voltmeter will be found on page 2 under "Using Vacuum Tube Voltmeter for Aligning Compensators and Adjusting Pushbuttons of Receivers".