

SETTING UP AUTOMATIC TUNING

MODEL S-1616

INSTALLING CALL LETTERS IN AUTOMATIC TUNING DIAL

One of the "A" leads on the back of the control head must be connected so that the current is supplied to operate the automatic control dial. Insert the fuse in the fuse housing in the separate "A" lead (supplied in the radio package), and connect to the "A" lead on the control. The eyelet end of this lead should be connected to the terminal of the Gas Gauge nearest the center of the car.

1—Select and remove from the Call Letter Sheets, the Call Letters of five popular stations in the area in which the radio is to be operated and that comes within the frequency range of the positions on the dial as shown in Illustration for Model S-1616.

2—If the section of the dial in which the tab marked "DIAL" is not at the indicator window, push the Automatic Station Selector until it is in position in the indicator window. The control must be held against the edge of the instrument panel in order to complete the electrical circuit.

3—Push the Automatic Station Selector once more and No. 1 section of the dial will rotate to the front. Insert in this position the call letter tab of the station having the highest kilocycle frequency.

EXAMPLE: The No. 1 position may have the call letters of a station operating on 1400 kilocycles; the No. 2 position, a station operating on 1050 kilocycles, etc.

4—Repeat this procedure until all five call letter tabs selected are inserted in the dial in the order of their frequency. Be sure and record the call letters with respect to their position on the dial for use in setting up the adjusting screws.

5—The control unit should now be completely installed. Remove the trim panel covering the control openings and place the control unit in position in the back of the instrument panel. Insert the bezel windows in the bezel plate, and apply the bezel plate to the front of the panel. The control and bezel are assembled to the instrument with gland nuts. Using the special gland nut wrench provided, tighten the nuts and then apply the two knobs.

SETTING UP THE RECEIVER FOR AUTOMATIC TUNING

Before setting up the Receiver for automatic tuning, it is necessary to synchronize the automatic dial to the Receiver as follows:

Try to tune in a station with the tuning control knob. If no station can be picked up, push the automatic station selector button until the position is found where stations can be tuned in. This is the "DIAL" position. Remove the automatic control cable from the Receiver and again push the automatic station selector button until the word "DIAL" appears in the dial window. The automatic control cable should then be replaced in its socket on the Receiver and secured with the two self threading screws supplied.

1—Turn the Receiver on and allow it to operate for TWENTY minutes. Remove the cover plate over the automatic tuning adjusting screws. This plate is on the control end of the Receiver and can easily be pried off.

2—Push the automatic station selector button until the word "DIAL" is at the indicator window. Tune in the station whose call letters are in the No. 5 position on the dial (the lowest frequency station) and note the program. Push the automatic selector button five times and this station's call letters will appear at the indicator window.

IMPORTANT—Start adjustments with low frequency screws.

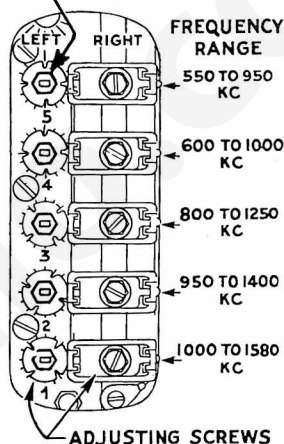
3—With a small screwdriver, turn the No. 5 adjusting screw (See Illustration for Model S-1616) in the left column to the right or left until the station is tuned in. Now adjust the corresponding screw in the right column until maximum volume is obtained. Make these adjustments carefully, as it may be easy to pass by the loudest point on some stations.

4—Press the automatic station selector button until "DIAL" again is at the indicator window and tune in the station whose call letters are in the No. 4 position on the automatic dial (the next higher frequency). Press the automatic button four times and adjust the number 4 set of adjusting screws to this station.

Repeat this procedure until each of the five pairs of adjusting screws has been tuned to its respective station.

It is **NECESSARY** that the setting of the adjusting screws be repeated to be sure they are properly set so that maximum performance may be had.

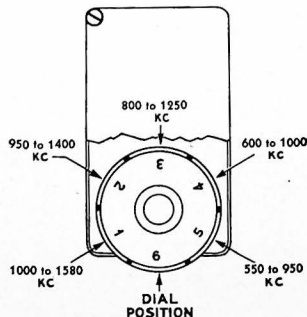
TURN ADJUSTING SCREWS COUNTER CLOCKWISE TO INCREASE AND CLOCKWISE TO DECREASE FREQUENCY.



VIEW OF AUTOMATIC ADJUSTING SCREWS

Be sure and save the unused call letters giving them to the owner as they may be needed at some future time if the radio is to be operated in a different area where the local stations are not the same.

If the Stations set up on the Automatic Tuning Dial should at some time tune in at the wrong position, the dial can be easily synchronized to the radio as follows:



PHANTOM VIEW OF THE AUTOMATIC-DIAL SHOWING POSITIONS ON DIAL AND FREQUENCY RANGE OF EACH

1—Find "DIAL" position as explained in the second Paragraph under "Setting up the Receiver for Automatic Tuning."

2—Remove the automatic cable from the socket on the end of the Receiver.

3—Press the automatic station selector button until "DIAL" appears in the Automatic Window.

4—Replace automatic cable.