

SETTING UP ROTOMATIC TUNING

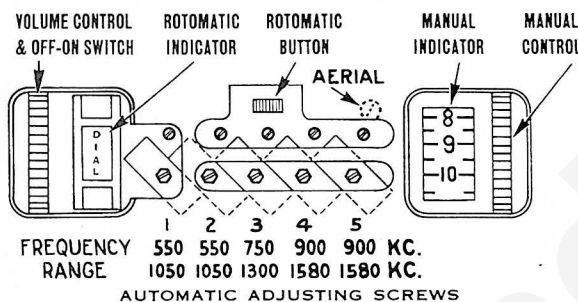
SETTING UP AUTOMATIC TUNING

MODELS L-1760 and L-1761

The Aerial and Rotomatic adjustments are easily accessible through the openings in the instrument panel. (See Illustration).

1—Turn the radio set on and allow it to heat for at least TWENTY minutes before starting any adjustments.

2—Press the Rotomatic button until the word "DIAL" appears in the Rotomatic indicator. Tune in a weak station on the manual dial between 1400 and 1500 kilocycles. Now adjust the aerial screw until maximum volume is obtained. (When the special concealed cowl aerial is used, adjustment should be made with the aerial fully extended.)



3—Select five stations within the frequency range shown under each set of adjustment screws shown in Illustration.

4—With "DIAL" showing on the Rotomatic indicator, manually tune in the station to be set up on position No. 1 and identify the program.

5—Press the Rotomatic button until No. 1 appears on the Rotomatic indicator. Now adjust the top screw at position No. 1 until the station selected is brought in with loudest volume. Then adjust the slotted hex screw at the bottom until maximum volume is obtained. NOTE: Stations of the higher frequencies are tuned in by turning the screws to the left or counter clockwise. Lower frequency stations are tuned by turning to the right or clockwise.

6—Proceed with setting up the remaining four stations in the same manner as described under Paragraphs 4 and 5.

7—Because there is some detuning of the coils due to the movements of the cores in adjacent coils, it is necessary to recheck the adjustments again going back from Position No. 5 to No. 1 and again rechecking from No. 1 to No. 5. This is important for accurate reception while driving at a distance from the broadcasting stations.

8—This final rechecking of adjustments should be made in an area of low signal strength in your service station or in some known "dead" spot where signals can just barely be heard.

9—Should the Special Concealed Cowl Aerial be installed after the original installation, it is absolutely essential that the aerial change-over switch be shifted counter-clockwise and also that all automatic adjustments be made again as described in Paragraphs Nos. 1 to 8 inclusive.

MODELS AR-3 and 933

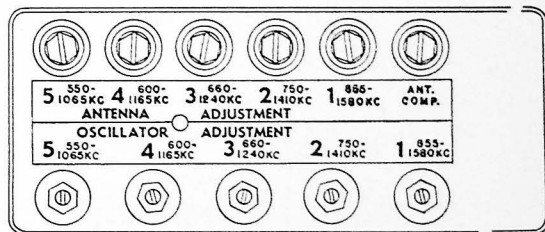
Turn the radio "ON" and allow it to operate for at least TWENTY minutes before making adjustments. Select five popular local stations whose frequencies come within the ranges of the five automatic tuning circuits, and list them on the Owner's Reference Card. List the highest frequency station as 1, and so on down to the lowest frequency station, which should be 5. The range of each automatic tuning circuit is given below:

550 KC to 1065 KC	600 KC to 1165 KC	660 KC to 1240 KC	750 KC to 1410 KC	855 KC to 1580 KC
5	4	3	2	1

Remove the cover plate from the front of the Receiver housing. There are two rows of adjusting screws—the top ones are for the antenna stage adjustments, and the bottom ones are for the oscillator stage adjustments. (See Illustration.)

Tune in with "DIAL" tuning, the selected station having the lowest frequency and note the program so that it can be identified. Operate the push button until "5" appears on the indicator dial. With a small screw driver, turn the lower No. 5 adjusting screw until the proper station is tuned in. Then adjust the No. 5 screw in the upper row until the maximum volume is obtained. These adjustments are very critical and must be made very carefully.

Adjustments should be made with the weakest signal obtainable, preferably with the antenna in the "down" position.



AUTOMATIC ADJUSTING SCREWS

Return to the "DIAL" tuning again and tune in the station selected for the No. 4 position. Operate the push button until "4" appears on the indicator dial. Then adjust the No. 4 adjusting screws until the proper station is tuned in.

Repeat this procedure for the stations selected for No. 3, No. 2 and No. 1 positions in the order given.

Preliminary adjustments may be made before the Receiver is installed in the car, but the final adjustments must be made with the radio installed in the car and operating on the car antenna. Recheck the adjustments carefully before replacing the cover plate.