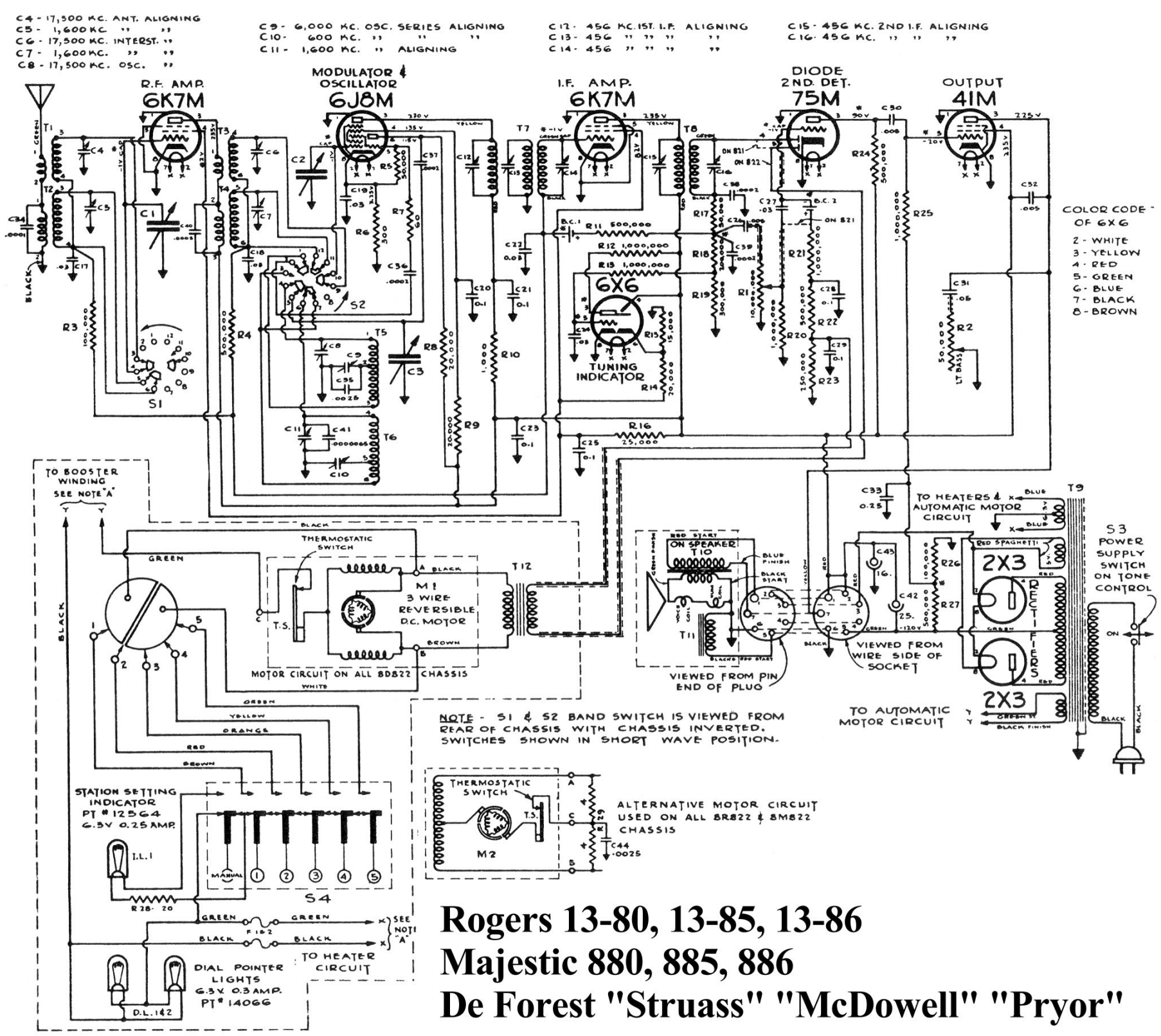
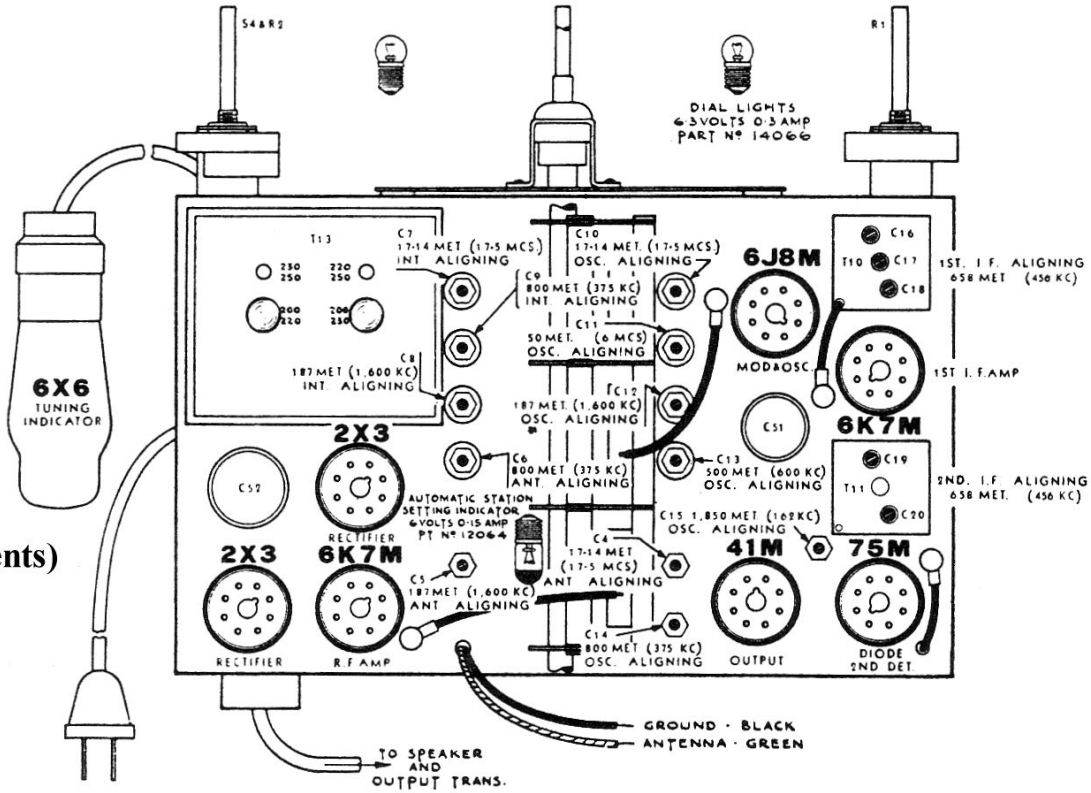


Rogers 13-80, 13-85, 13-86
Majestic 880, 885, 886
De Forest "Struass" "McDowell" "Pryor"

Rogers 13-80, 13-85, 13-86
Majestic 880, 885, 886
De Forest "Struass" "McDowell"
"Pryor"

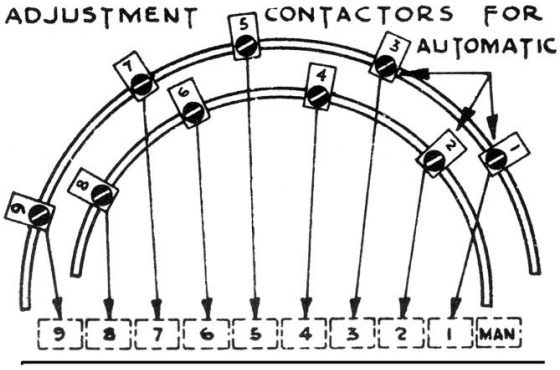
(See next page for information on Automatic Tuning Adjustments)



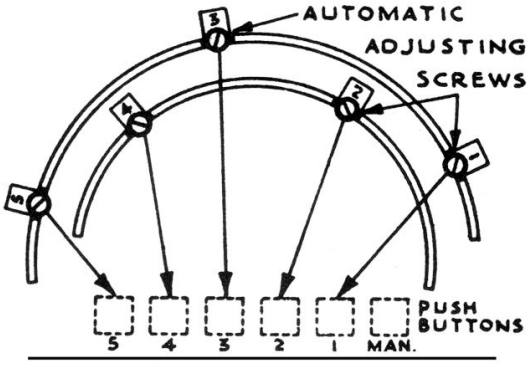
Operation	Connect Generator	Set Generator Tuning	Set Receiver Tuning (x)	Dummy Antenna	Volume Control	Adjust	Remarks
1	To Grid Cap of 6J8M	456 kc/s.	700-800 kc/s.	.01 mfd.	Max.	C16, C15, C14, C13 C12	To Peak I. F.
2	To Antenna	1600 kc/s.	1600 kc/s.	.0002 mfd.	Max.	C11	To Peak Osc.
3	To Antenna	1600 kc/s.	1600 kc/s.	.0002 mfd.	Max.	C7	To Peak Int.
4	To Antenna	1600 kc/s.	1600 kc/s.	.0002 mfd.	Max.	C5	To Peak Ant.
5	To Antenna	600 kc/s.	600 kc/s.	.0002 mfd.	Max.	C10*	To Track Osc.
6	To Antenna	1600 kc/s.	1600 kc/s.	.0002 mfd.	Max.	C11	Recheck C11
7	To Antenna	17.5 mc/s.	17.5 mc/s.	400 ohms	Max.	C8	To Peak Osc.
8	To Antenna	17.5 mc/s.	17.5 mc/s.	400 ohms	Max.	C6	To Peak Int.
9	To Antenna	17.5 mc/s.	17.5 mc/s.	400 ohms	Max.	C4	To Peak Ant.
10	To Antenna	6.0 mc/s.	6.0 mc/s.	400 ohms	Max.	C9*	To Track Osc.

*Rock tuning control during this adjustment. Always ground generator and receiver (ground) connection.

(x) For Automatic models, the push-button must be in the Manual position at all times during primary alignment. The tuning indicator will assist in indicating maximum alignment.



9-Station Models



5-Station Models

TUNING ADJUSTMENT

It is recommended that the receiver be operated for a period of one-half hour before, making any changes in the Automatic group to ensure that the receiver has reached its normal operating temperature and that any changes due to differences in temperature will have taken place and the various components in the tuning circuit have become stabilized. Temperature compensated components are included in the circuit arrangement to minimize the effect of such thermal changes. The method of setting up the Automatic stations is simple and fool-proof.

To adjust for automatic operation proceed as follows (reference should be made to the various illustrations shown elsewhere in this booklet when completing the following adjustments):

1. With the receiver in the Broadcast position and properly warmed up, tune receiver manually to the station selected for No. 1 position. Ensure exact "in tune" position by use of Tuning Indicator.
2. Press in both "Manual" and No. 1 push-button simultaneously and see that both stay in "In" position. This will cause the station setting indicator bulb (in back of set) to light. (See special paragraph "Model Variation").
3. Loosen adjusting screw on Contactor No. 1 (see Illustrations above) and slide Contactor in either direction until station setting indicator light goes out.
4. Tighten adjusting screw on Contactor.
5. Press any Automatic button selected at random to release the "Manual" and No. 1 button, then press No. 1 button again to check accuracy of station setting.
6. Proceed as above to "set" the other remaining stations in order of frequency. The "Manual" and one Automatic button must be latched-in simultaneously during setting up adjustment.
7. Cut out and insert the station selector call letters from sheet supplied. Insert in openings of the push-buttons or escutcheon plate.

IMPORTANT

After "setting" each station, check accuracy by returning manually. Care should be taken to ensure that the station program selected is actually being transmitted by the station indicated by the call letters chosen.

Note that the automatic selector indicator light will remain lighted only when both the "Manual" and any other push-button are both latched-in simultaneously, and the station selector Contactor corresponding to the push-button happens to be off-tune. Under such conditions of operation, it will be noted that station signal will not be present. This is due to the fact that the "muting" transformer is in circuit. On very heavy signals, however, it may be possible to hear the station previously selected manually. Some difficulty may be noted in latching in the **two-push buttons unless both are pressed simultaneously.**

When the receiver is tuned to a station in any of the Automatic positions, any attempt to rotate the Manual tuning knob will result in the motor immediately returning the tuning to the selected station. **Do not attempt to hold the Manual tuning control against the operation of the motor. This will result in stalling the motor with the possibility of stripping the gears.** The dial light and motor supply circuits are protected by fuses. In the event that the motor fails to operate or the dial lights do not light, these fuses should be examined and if found defective, replaced with the proper type. Use only fuses Part No. 14735 (15 amps.).