

ALIGNING INFORMATION

NEVER REALIGN UNLESS ABSOLUTELY NECESSARY.

Use a good modulated signal generator (test oscillator) with variable output voltage and a sensitive output meter across the voice coil of the speaker.

Always align using the smallest possible input from the signal generator (except when wave trap adjustments are made). A strong signal makes adjustments inaccurate.

Always have receiver volume control "Full on".

Never align with tone control in bass position.

See Location Chart above for location of all the aligning adjustment screws.

Aligning Procedure (follow this order exactly)

I. Dial Pointer Adjustment.

With the plates of the gang tuning capacitor fully engaged, set the dial pointer directly on the upper black line at the low frequency end of the dial.

II. Intermediate Frequency Adjustments.

1. Tune set to extreme low frequency position. (.54 megacycles on dial scale).
2. Connect the ground terminal of the signal generator to the ground binding post of the receiver.

3. Introduce a modulated signal of 455 kilocycles, using a 0.1 microfarad capacitor in series with the lead from the signal generator to the grid cap of the 6A8G tube. (Do not remove the grid clip from this tube.)

4. Adjust the I. F. Aligners for maximum output in the following order:

- a. Secondary of Second I. F. Transformer.
- b. Primary of Second I. F. Transformer.
- c. Secondary of First I. F. Transformer.
- d. Primary of first I. F. Transformer.

III. Wave Trap Adjustment.

1. Tune set to 1,000 kilocycles.

2. Leave the ground terminal of the signal generator connected to the ground binding post of the receiver.

3. Introduce a fairly strong modulated signal of 455 kilocycles to the antenna binding post using a 200 mmf. capacitor in series with the lead from the signal generator.

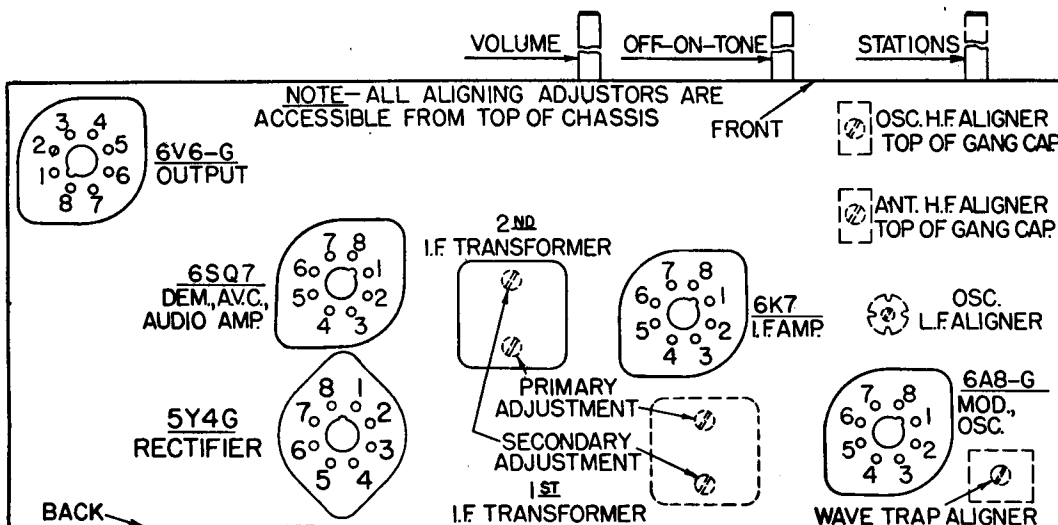
4. Adjust the wave trap aligner for **minimum** signal.

IV. Radio Frequency Adjustments.

(Leave the signal generator connected in the same way as for the wave trap alignment).

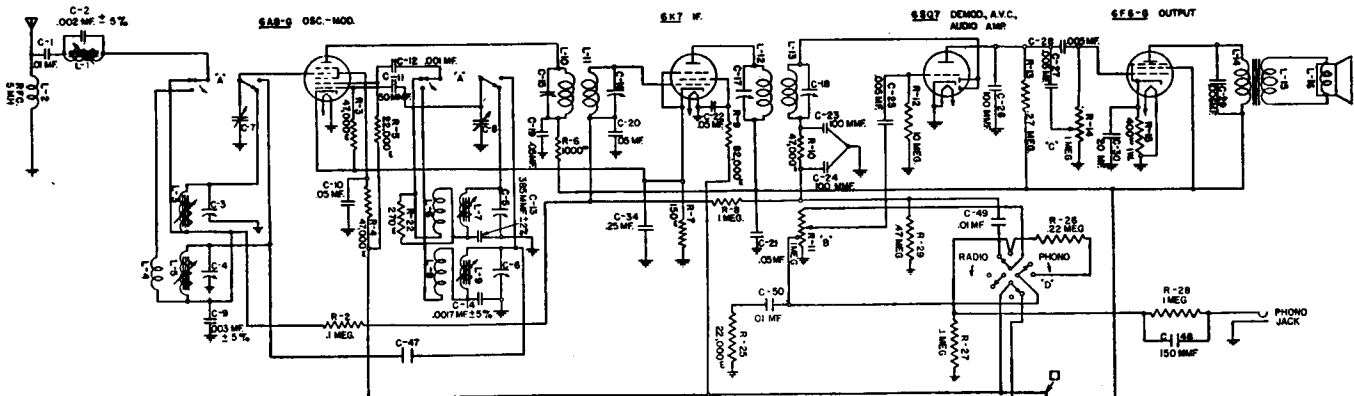
1. Set the signal generator's frequency and the receiver's tuning dial to 0.6 megacycles.
2. Adjust the iron core in the oscillator coil for maximum signal.
3. Set the signal generator's frequency and the receiver's tuning dial to 1.5 megacycles.
4. Adjust the two aligning capacitors on the variable capacitor for maximum signal.
5. Reset both the signal generator's frequency and the receiver's tuning dial to 0.6 megacycles and repeat operation 2.
6. Reset both the signal generator's frequency and the receiver's tuning dial to 1.5 megacycles and repeat operation 4.

NOTE. Operation 5 and 6 may be repeated as often as necessary to obtain maximum sensitivity.



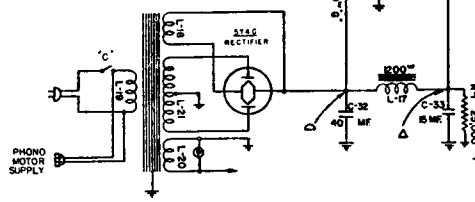
MODEL 951 ALIGNMENT DATA

Circuit on Data Sheet 50



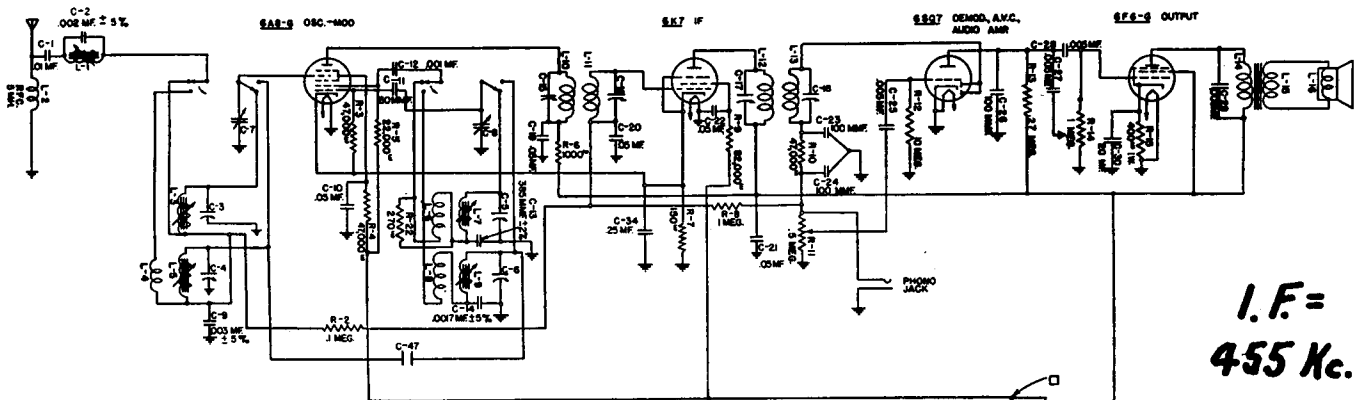
MODEL 952-P

1939-40



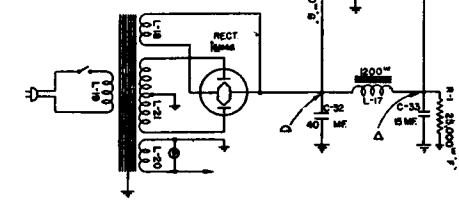
I.F.=455Kc.

Alignment Data, Voltages, Layout, on Data Sheet 53



MODEL 952

1939-40

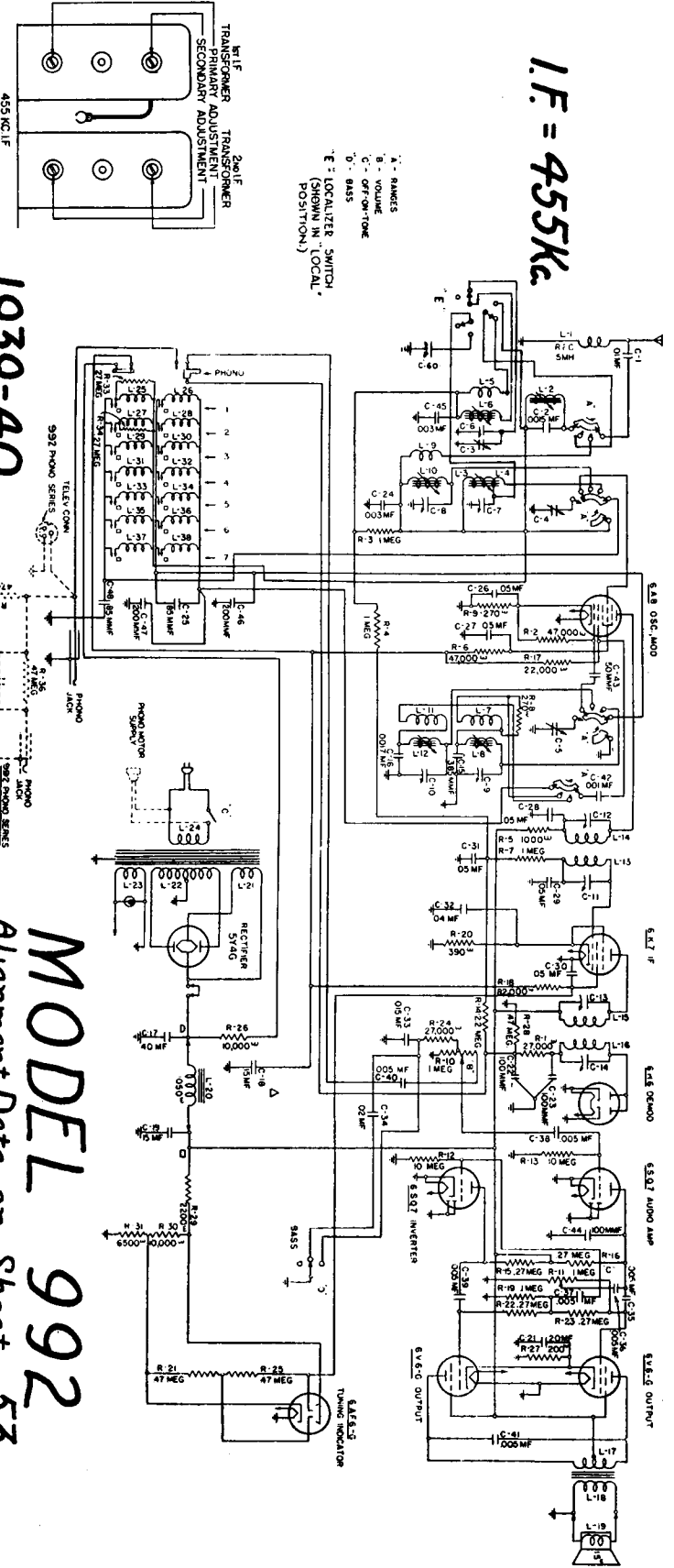


I.F.=
455 Kc.

Alignment Data, Voltages, Layout, on Data Sheet 53

IF = 455Kc

- A - RANGES
- B - VOLUME
- C - OFF-ON-TONE
- D - BASS
- E - LOCALIZER SWITCH (SHOWN IN "LOCAL" POSITION.)



1939-40

MODEL 992
Alignment Data on Sheet 53

INSTRUCTIONS FOR SETTING UP PUSH BUTTONS

IMPORTANT: The stations selected should be the local or favorite stations which give good reception at all times. Set up stations in the daytime to avoid unnecessary interference. Allow the set to run for about twenty minutes before setting up stations. Always use the tuning indicator unit when setting up stations in order to determine when the station is exactly in tune.

1. Remove the dial escutcheon by removing the screws and pulling downward and outward.
 2. Put the call letters of the selected stations in place above the push buttons. The stations should be arranged according to frequency with the highest frequency at the right and the lowest frequency at the left, just as on the dial. (The call letters will be found inside the envelope stapled inside or underneath the cabinet.)
 3. Tune in manually the highest frequency station to be set up and note carefully the program being transmitted.
 4. Turn the range switch to the push button position and push the highest frequency button.
 5. Using a very small screwdriver adjust the slot in the inner screw until it coincides with the slot in the outer screw.
 6. Using a larger screwdriver, adjust both screws at the same time until the desired station is tuned in as well as possible.
 7. Using the small screwdriver again, adjust the small inner screw for maximum closing of the tuning indicator. (Be sure the outer screw does not move while adjusting the inner screw.)
- Operations 5, 6 and 7 can be greatly simplified by using Stromberg-Carlson SD-70 Adjusting Tool which is a double screwdriver designed to fit both of these screws at the same time.
8. Set up the other stations in the same manner.
 9. Recheck the adjustment of each adjusting screw.

