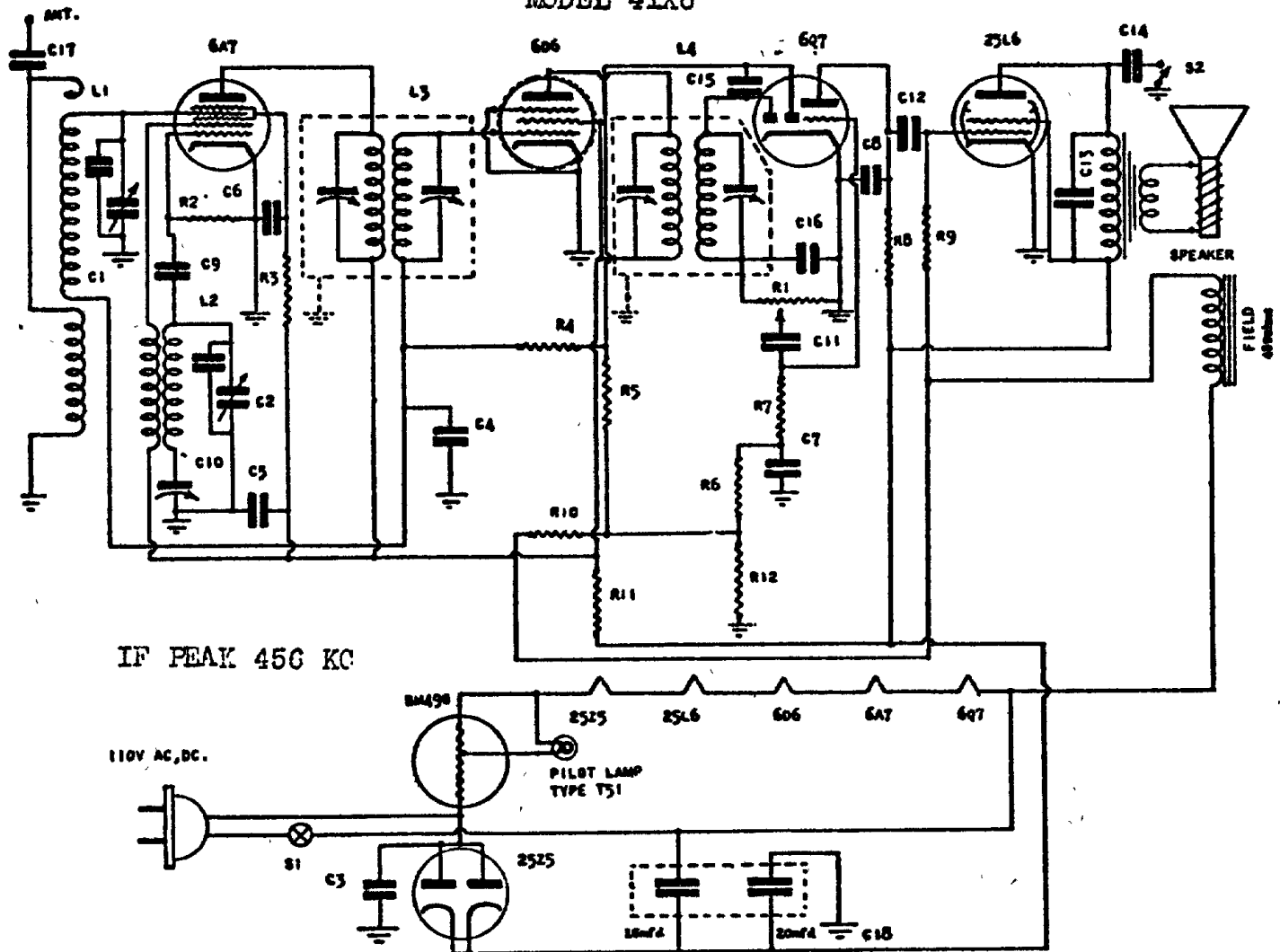


ZEPHYR RADIO CO.

MODEL 41X6



IF PEAK 456 KC

ALIGNMENT PROCEDURE

I. F. Alignment. Connect a signal generator set at 456kc to the 6A7 input and connect an output meter to the speaker output. Using a weak signal tune the two I. F. condensers on the first I. F. coil and the two I. F. condensers on the output I. F. coil for maximum response.

R. F. Alignment. Connect the signal generator set at 1400kc to the antenna lead using a dummy antenna of 200mmf. Tune the set by means of the dial to 1400kc position. Adjust oscillator trimmer for this frequency. Pad at 600kc. Recheck 1400kc and trim antenna stage for maximum response. Repeating the alignment may result in improved sensitivity.

| SCHEMATIC LOCATION | DESCRIPTION | PART NO. | LIST PRICE |
|--------------------|--------------------------------|----------|------------|
| L1 | Antenna Coil | BA110 | \$0.50 |
| L2 | Oscillator Coil | BO110 | .40 |
| L3 | 1st I.F. Coil | LC110 | .80 |
| L4 | 2nd I.F. Coil | LC112 | .80 |
| — | Speaker | SD23 | 3.50 |
| C1, C2 | Tuning Condenser | CV25 | 1.80 |
| C3, C4, C5, C6, C7 | Fixed " .1mf—200v | — | .20 |
| C8, C9, C16 | Mica " 200mmfd | — | .20 |
| C15 | Mica " 100mmfd | — | .20 |
| C10 | Variable Padder 550mmfd | — | .40 |
| C11, C12, C13 | Fixed Condenser .01mf—200v | — | .20 |
| C14 | Fixed " .02mf—600v | — | .20 |
| C17 | Fixed, " .002mf—600v | — | .25 |
| C18 | Electrolytic Condenser Block | CE20 | 1.40 |
| S1 | Line Switch (On Vol. Control) | — | — |
| S2 | Tone Control Switch | S12 | .40 |
| R1 | Volume Control 1/4 megohm | RV18 | .80 |
| R2 | Resistors 50,000 ohms—1/4 Watt | — | .15 |
| R3 | " 25,000 ohms—1/4 Watt | — | .20 |
| R4, R5 | " 2 megohms—1/4 Watt | — | .15 |
| R6, R7 | " 1 megohm—1/4 Watt | — | .15 |
| R8, R9 | " 1/4 megohm—1/4 Watt | — | .15 |
| R10 | " 1/2 megohm—1/4 Watt | — | .15 |
| R11 | " 100 ohms—1/2 Watt | — | .20 |
| R12 | " 30 ohms—1/4 Watt | — | .20 |
| | " 25 ohms—1/4 Watt | — | .20 |