

ALIGNMENT—PROCEED IN SEQUENCE LISTED.

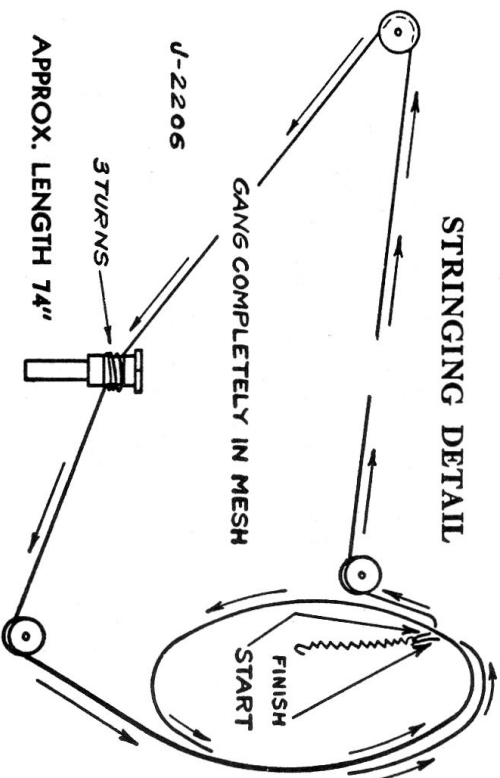
| Band | Band Switch Setting | Dummy Antenna | Connect Generator To | Radio Dial Setting | Generator Frequency | Trimmer Adjusted | Adjustment |
|-----------|---------------------|-----------------------------|------------------------|--------------------|---------------------|------------------|----------------|
| 2nd I.F. | B.C. | Blocking Condenser .05 mfd. | Grid of 6SA7 1st I.F. | 1650 K.C. | 455 K.C. | C-17 | Maximum Output |
| 1st I.F. | B.C. | Blocking Condenser .05 mfd. | Grid of 6SA7 Converter | 1650 K.C. | 455 K.C. | C-14 | Maximum Output |
| 455 K.C. | B.C. | 200 mmfd. | Antenna | 1650 K.C. | 455 K.C. | C-1 | Minimum Output |
| 1460 K.C. | B.C. | 200 mmfd. | Antenna | 1460 K.C. | 1460 K.C. | C-12 C-3 | Maximum Output |
| 600 K.C. | B.C. | 200 mmfd. | Antenna | 600 K.C. | 600 K.C. | C-13 | Maximum Output |
| 16 M.C. | S.W. | 400 ohm | Antenna | 16 M.C. | 16 M.C. | C-9 C-2 | Maximum Output |
| 6 M.C. | S.W. | 400 ohm | Antenna | 6 M.C. | 6 M.C. | C-11 | Maximum Output |

SENSITIVITIES

Sensitivity in microvolts for 500 milliwatts output (voice coil impedance 3.2 ohms) carrier modulated 30% at 400 cycles.

| | | | | | | |
|-------------------------|-----------|----------|----------|---------|---------|--------|
| 455 K.C. | 1460 K.C. | 900 K.C. | 600 K.C. | 16 M.C. | 10 M.C. | 6 M.C. |
| 1st I.F. Grid..... 4400 | — | — | — | — | — | — |
| Converter Grid. 50 | 60 | 60 | 60 | 80 | 60 | 60 |
| Antenna..... | 7 | 6 | 5 | 20 | 30 | 35 |

STRINGING DETAIL



ALIGNMENT AND CALIBRATION

These receivers are carefully aligned and calibrated at the factory with precision instruments. If realignment is necessary, the following equipment is required:

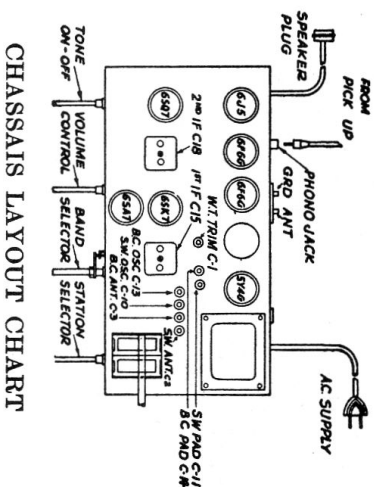
(1) A signal generator to supply with accuracy the frequencies:

- (a) 455 K.C., (b) 1460 K.C., (c) 600 K.C.,
- (d) 16 M.C., (e) 6 M.C.

(2) A dependable Output meter.

Note 1—When aligning oscillator section at high frequencies, care should be taken that the receiver is not adjusted to an image frequency in place of the fundamental. At 16 M.C., fundamental will be obtained at minimum trimmer capacity.

Note 2—When aligning antenna trimmer at high frequencies, rock gang condenser back and forth to obtain maximum peak.



Electrohome

Serenader 510-2

(Factory Model SC-72-417, 427)