

Signal Generator - modulated 400 cps
 Output Meter - 15 ohm impedance
 Generator Series Capacitor - .1 mF Part No. 4006-005-03

Alignment Tools

- (a) Flat metal Blade End - Part No. 4121-001-01 for I. F. T. and Osc. coil iron core adjustment
 (b) Chisel Point type - Part No. 4121-005-01 for trimmer capacitor adjustment.

ALIGNMENT CONDITIONS

Volume Control: maximum setting
 Output Level: 50 milliwatts
 Output Meter:
 Connection: to receiver earphone socket. Plug, Part No. 7171-015-02 is available for this purpose.
 Supply Voltage: 9 V. DC.

INTERMEDIATE FREQUENCY TRANSFORMER ALIGNMENT

Remove screw from back of cabinet then pull back section outward from top, lift back away from cabinet body. The receiver chassis does not have to be removed from cabinet for alignment purposes.

Remove centre disc from tuning indicator then fully mesh tuning gang plates and loosen tuning indicator locking screw. Set indicator to low frequency end of travel dial spot then tighten lock screw. Turn tuning control to high frequency end of travel. Insert .1mF capacitor in series with generator "hot" lead.

Oper. No.	Generator Connection	Generator Frequency	Instructions
1.	To pin on circuit board (Term 3 of rod aerial)	455 Kc/s	Adjust iron core of 3rd IF trans. for max. output.
2.	As oper. 1	455 Kc/s	Adjust iron core of 2nd IF trans. for max. output.
3.	As oper. 1	455 Kc/s	Adjust iron core of 1st IF trans. for max. output.
4.	Repeat operations 1, 2 and 3.		

BROADCAST ALIGNMENT

- A. To inject a signal into the receiver, connect 2 ft. of aerial wire to the "hot" terminal of signal generator. Fashion wire into a vertical position.
 B. Place receiver so that ferrite aerial is uppermost and horizontal. Tuning end of receiver is to be toward but not less than one foot from generator aerial wire.

Oper. No.	Generator Connection	Generator Frequency	Instructions
1.	Refer Para. A. & B.	600 Kc/s	Set tuning indicator to 600 Kc/s spot on dial. Screw in aerial trimmer to max. capacity then unscrew a half turn. Adjust iron core of oscillator coil for maximum output, then adjust aerial inductance trim coil for maximum output.
2.	As oper. 1	1400 Kc/s	Set tuning indicator to 1400 Kc/s spot on dial. Adjust oscillator and aerial trimmer capacitors for max. output.
3.	Repeat operations 1 & 2.		
4.	Tuning range 525 to 1630 Kc/s approx.		

TUNING INDICATOR DISC SETTING

Loosen disc locking screw, anticlockwise. Rotate the disc for optimum logging of the local stations then securely tighten lock screw and refit centre disc.

1. CHASSIS REMOVAL

- a. Remove centre disc from tuning indicator then remove screw, washer, indicator and moulded bush from front of receiver.
- b. Remove back section from cabinet.
- c. Remove screws (6) fastening circuit board to cabinet.
- d. Remove earphone socket from side of cabinet and disconnect leads from speaker.
- e. Lift battery and circuit board from cabinet.
- f. Refitting of chassis is the reverse procedure to removal.

2. SPEAKER REMOVAL

- a. Remove chassis as detailed para. 1.
- b. Remove four screws, flat metal washers and bakelite washers fastening front escutcheon to cabinet.
- c. Remove brass spacers and flat washers from long mount pillars of speaker.
- d. Remove speednut fastening bracket to centre mount pillar of escutcheon.
- e. Lift body of cabinet off escutcheon assy.
- f. Refitting to cabinet is the reverse procedure to removal.

NOTE: Before refitting escutcheon to cabinet check that washer is located on centre pillar of escutcheon.

CLEANING AGENT FOR CABINET

Do not polish cabinet, plastic or metal sections with an abrasive material, motor car polish, boot polish or similar household cleaning fluids, as permanent damage may result to the finish of the components.

To restore the lustre of the cabinet, etc. wipe with a soft cloth, dampened with water and lightly polish with a neutral wax.

