

ALIGNMENT PROCEDUREBROADCAST ALIGNMENTEQUIPMENTALIGNMENT CONDITIONS

Signal Generator: Modulated 400 CPS.
Output Meter: 0.01MF Mica Capacitor
Mica Capacitor: Part No. FC145 for I.F. trans. alignment

Alignment Tool : Straight type Part No. PHS81 for b/cast. trim. adjustment
Alignment Tool : Flexible type Part No. 48/712 for b/cast. osc. coil core and L.F.T. core adjuster

Generator: Tone Control : Tone Control :
Generator: Frequency : Intermediate Frequency :
Generator: Input voltage : 455 Kc/s, 230V 50 cycle A.C. input to trans. 230-240V.
Generator: Pri. tap. Treble position
Generator: Instructions. Fully clockwise

Generator: Radio position.
Generator: Frequency :
Generator: Antenna :
Generator: Instructions.

I.F. TRANS. ALIGNMENT

Operation No.	Generator Connection	Generator Frequency	Dummy Antenna	Instructions.
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- It is not necessary to remove the chassis from the cabinet to adjust the iron cores in the IF. transformers. Only the cabinet base has to be removed from the cabinet.

- Make sure pick-up arm is anchored to its rest pillar.

- Unscrew and remove three screws and four rubber cushion feet located around edge of cabinet base then remove cabinet base.

- To signal: Grid of 6BH5 valve (pin No.2.) To signal: 455 Kc/s. 0.01MF Mica capacitor in series with generator
- To signal: Grid of 6B6E6 valve (pin No.7) To signal: 455 Kc/s. 0.01MF Mica capacitor in series with generator

- Turn tuning control until condenser gang plates are fully out of mesh. Leave grid wire attached to valve socket. Peak 2nd I.F. trans. pri. and sec. for mpx. output.
- Refer note 2 & 3 600 Kc/s. Refer note 2 & 3 600 Kc/s. dial mark. Leave the cond. cart and disc set in this position then peak osc. coil ind. trim. (iron core) and the sec. trimmer coil on ferrite rod aerial for max. output. Do not rock the cond. gang to and fro through the signal or move the line on the disc off the 600 Kc/s. dial mark until after the ind. trimmer and the rod aerial trimmer coil have been peaked.

- Repeat operations 4 and 5.

NOTE 1. Before access to the adjustment points may be made on this receiver for complete adjustment of the RF. stages it is necessary to:-

"A" Remove the chassis from the cabinet.

"B" Remove the front section of the cabinet from the main section.

"C" Refit back into the cabinet only the chassis and attach the control knobs to the spindles.

Instructions for removing and refitting the chassis also for removing the front section of the cabinet are detailed in the following pages of this bulletin.

NOTE 2. To inject a signal into the ferrite rod aerial connect to active terminal of signal generator RF. output approximately 2 ft. of aerial wire then fashion the aerial wire into a vertical position.

NOTE 3. Tilt cabinet backward until it rests on its rear end. Turn cabinet so that control knob side of cabinet is nearest to 2 ft. of vertical aerial wire. A distance of not less than 1 ft. 6 ins is to be between the control knob side of the cabinet and the 2 ft. of vertical wire connected to signal generator.

4. Refer Note 2 & 3 1400 Kc/s. Refer note 2 & 3 Turn cond. Gang and transparent disc until line on disc is on 1400 Kc/s, dial mark. Adjust osc. coil trim. cond. then rod aerial trim. cond. for max output.
- Repeat operations 3 and 4
5. Tuning range after alignment 535-1610 Kc/s.
6. Remove the control knobs and pointer disc and unsolder speaker leads from terminal strip.
7. Remove chassis from cabinet and then remove the chassis support bracket from side of cabinet.
8. Remove chassis from cabinet and then remove the chassis support bracket from side of cabinet.
9. Refit front section of cabinet to main section of cabinet. NOTE Refitting is the reverse procedure to removing it. Securely tighten the screws.
10. Refit chassis support bracket to side of cabinet.
11. Refit chassis to cabinet and reconnect speaker leads.
12. Refit transparent dial disc and check logging.
13. Refit push-on type control knobs.
14. Refit cabinet base to cabinet and securely tighten the screws.

