

MENT INSTRUCTIONS

Persons familiar with communications receivers and experienced in their alignment. Refer to

INITIAL CONTROL SETTINGS

BY-REC.....	Receive	Selectivity.....	Broad
NL.....	Off	Antenna.....	Mid-Range
GC.....	Off	Bandspread.....	At "Set" Point
FO.....	Off	Main Tuning.....	At minimum capacity
Bandswitch.....	As indicated in chart	Dial Selector.....	Amateur Bandspread
V and AF Gain.....	Fully Clockwise		

KC IF ALIGNMENT

Output Connections	Remarks
VVM DC probe to junction R21 and C34. Reverse side to chassis. (topside of diode lead)	Peak both sides of T11, T13, and top of T12. For bottom of T12 see Q MULTIPLIER ADJUSTMENT. Maintain approximately 2V reading on VTVM. Rock generator for maximum output. Maintain approximately 2V reading on VTVM. Set BFO switch on. Adjust L5 to zero beat. Loosen BFO knob set screw. Set BFO knob to center mark on panel. Then tighten set screw and return BFO switch to Off position.

PLIER ADJUSTMENT

F ALIGNMENT.

Turn control slowly counter-clockwise until the beat note just ceases. Re-set the bottom core and selectivity controls as necessary to maintain 2V reading on VTVM at just below oscilla-

KC IF ALIGNMENT

VVM DC probe to junction R21 and C34. Reverse side to chassis.	Set generator frequency to 2215 Kc. Set L7 for maximum output. The second peak from the bottom of the coil should produce the correct oscillator frequency of 1985 Kc. Peak top and bottom of T10. Maintain approximately 2V reading on VTVM.
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F ALIGNMENT

per indexing. With tuning gang fully closed, set the pointer so that it reads exactly "0". Disc to the exact low frequency end of the calibrated scales. Then open bandspread

Antenna terminal through a 68 ohm 1/2 watt resistor. Ground generator to chassis. The calibration at the specified frequencies on each band. Then the mixer and RF circuits should occur between oscillator and RF adjustments. Final adjustment should be made for correct adjustment for each band. The oscillator frequency is always on the high side of the signal in this condition.

	Adjustments
	L1 for correct calibration, T1 for maximum output. C66 for correct calibration, C7 for maximum output.
	L2 for correct calibration, T6, T2 for maximum output. C67 for correct calibration, C62, Ant. Trim. for maximum output.
	L3 for correct calibration, T7, T3 for maximum output. C68 for correct calibration, C63, Ant. Trim. for maximum output.
	L4 for correct calibration, T8, T4 for maximum output. C69 for correct calibration, C64, Ant. Trim. for maximum output.
	L5 for correct calibration, T9, T5 for maximum output. C70 for correct calibration, C65, Ant. Trim. for maximum output.