

Farnsworth Models ET-060, ET-061, ET-063, Chassis C-150

EQUIPMENT AND PROCEDURE FOR ALIGNMENT

A Signal Generator calibrated at 455 Kc., 600 Kc., 1000 Kc., 1500 Kc., 15 Mc., 12.5 Mc., and 10 Mc., and an output indicator are required to properly align this receiver. All adjustments should be made with the volume control set for maximum, keeping the signal generator output as low as possible to prevent AVC action and incorrect adjustments.

Connect the low side of the Signal Generator to the chassis through a .1 Mfd. condenser. Connect the high side to antenna lead at rear of set through dummy load of 100 MMF for Broadcast and 400 ohms for Shortwave.

The loop antenna should be placed in approximately the position relative to chassis as when chassis is installed in cabinet.

When aligning the Shortwave Oscillator, use the peak found farthest out from maximum capacity on the oscillator trimmer. Use the peak nearest maximum capacity on the loop trimmer.

TABULATION FOR ALIGNMENT

STEPS	DUMMY ANTENNA	SET GENERATOR AT	SET GANG AT	ADJUST	LOCATED	TO OBTAIN	
1	SET VOLUME CONTROL FOR MAXIMUM OUTPUT						
2	100 MMF.	455 Kc.	Minimum Capacity	2nd. I.F. Trimmers	Top of I.F. Transformer	Maximum Output	
3				1st. I.F. Trimmers			
4		1500 Kc.	1500 Kc.	B.C. Osc. Trimmer	On Tuning Capacitor		
5		1500 Kc.	1500 Kc.	B.C. Ant. Trimmer	On Loop Antenna		
6	Check Pointer for Calibration at 1000 Kc. and 600 Kc.						
SHORT WAVE BAND							
7	400 Ohms	15 Mc.	Minimum Capacity	S.W. Osc. Trimmer	Chassis Near Rear	Maximum Output	
8		12.5 Mc.	12.5 Mc. Rock Gang	S.W. Ant. Trimmer	On Loop		
9	Check	10 Mc.	10 Mc. Rock Gang	S.W. Ant. Padder	Chassis Near Front		