



CAPACITORS					RESISTORS						
No.	MFDs	VOLTS	No.	MFDs	VOLTS	No.	OHMS	WATTS	No.	OHMS	WATTS
C1	.05	300	C6	.01	400	R1	200,000	1/2	R6	2,000,000	1/2
C2	.0005	MICA	C7	.01	400	R2	70,000	1/2	R7	500,000	1/2
C3	4.0 (ELECT.)	150	C8	.002	400	R3	2,000,000	1/2	R8	1,000,000	1/2
C4	.05	200	C9	.00025	MICA	R4	2,000,000	1/2	R9	440	1/2
C5	.00025	MICA				R5	500,000	KC			

I.F. 455 K.C.

ALIGNMENT PROCEDURE

- Volume control—Maximum all adjustments.
- Connect radio chassis to ground post of signal generator with a short heavy lead.
- Connect dummy antenna value in series with generator output lead.
- Connect output meter across primary of output transformer.
- Allow chassis and signal generator to "heat up" for several minutes.

The following equipment is required for aligning:

- An all wave signal generator which will provide an accurately calibrated signal at the test frequencies as listed.
- Output indicating meter.
- Non-metallic screwdriver.
- Dummy antennas—.1 mf., 200 mmf.

BAND	SIGNAL GENERATOR Frequency Setting	Dummy Antenna	Connection to Radio	Variable Condenser Setting	Trimmers Adjusted (In Order Shown)	Trimmer Function	Adjustment
I. F.	455 K.C.	.1 MFD.	Grid of 1N5G tube	Rotor full open (Plates out of mesh)	Two Trimmers on top (See Fig. 1)	Output I.F.	Adjust to maximum output
	455 K.C.	.1 MFD.	Grid of 1A7G tube	Rotor full open (Plates out of mesh)	Two Trimmers on top (See Fig. 1)	Input I.F.	Adjust to maximum output
BROAD-CAST	1610 KC.	200 mmf.	Antenna Lead	Rotor full open (Plates out of mesh)	Trimmer—Left rear of chassis	Oscillator	Adjust to maximum output
	1400 KC.	200 mmf.	Antenna Lead	Set dial at 1400 KC.	Trimmer—Next to Osc. trimmer	Antenna	Adjust to maximum output

This is all that is necessary for the alignment unless the plates of the gang have been bent out of shape. In case of bent plates, set the signal generator and receiver to 600KC and bend the plates into the position for maximum output.

Attenuate the signal from the signal generator to prevent the leveling off-action of the AVC. After each band is completed, repeat the procedure on a final check.

Frequency Range

535 to 1730 K.C.

Power output .27 watt undistorted—.35 watt maximum.

Intermediate Frequency 455 K.C.