



# ALIGNMENT PROCEDURE

## EQUIPMENT

## ALIGNMENT CONDITIONS

Signal Generator:	Load Impedance:	5,000 Ohms.
Output Meter:	Output Level:	50 Milliwatts.
Mica Capacitor:	0.01MF. (for IP. Vol. Control:	Max. Vol. fully clockw/se.
Dummy Antenna:	200MMF. Mica Capacitor	Intermed. Freq.: 455 Kc/s.
Alignment Tools:	Type M195 and PM561	Tone Control
		230 Volts 50 Cycle AC. Input to trans. 230-240 volt pri. tap. Treble position.

## IP. TRANS. ALIGNMENT

Opera- Generator Generator Dummy  
tion No. Connection Frequency Antenna

## Instructions

1. Remove receiver chassis from cabinet as detailed on page 6.
2. Connect speaker leads to speaker sockets.
3. To control grid 455 Kc/s. 0.01MF Mica capacitor in series with valve (pin No.2) generator. Leave grid wire attached to valve socket. Peak 2nd IP. trans. pri. and sec. for max. output.
4. To control grid 455 Kc/s. 0.01MF. Mica capacitor fully out of 6AN7 valve (pin No.2) capacitor in series with generator. Turn cond. gang plates fully out of mesh. Leave grid wire attached to valve socket. Peak 1st IP. trans. pri. and sec. for max. output.
5. Repeat operations No. 3 and 4.

## B/CAST ALIGNMENT

1. Fully mesh the cond. gang plates. Set the centre of the dial pointer to align with the centre of the end of travel mark on the dial reading near 540 Kc/s.
2. To antenna lead 600 Kc/s. 200MMF. Mica capacitor in series with generator. Turn cond. gang and dial pointer until centre of dial pointer aligns with centre of 600 Kc/s. spot on dial reading. Leave the gang and pointer set in this position and peak the oscil. coil ind. trim (iron core) for max. output.
3. To antenna lead 1400 Kc/s. 200MMF. Mica capacitor in series with generator. Turn cond. gang and dial pointer until centre of dial pointer aligns with centre of 1400 Kc/s. spot on dial reading. Adjust oscil. coil trim cond. for logging and peak ant. trans. trim. cond. for max. output.

Opera- Generator Generator Dummy  
tion No. Connection Frequency Antenna

## Instructions

4. To antenna lead from receiver 600 Kc/s. 200 MMF. Mica capacitor in series with generator. Turn cond. gang and dial pointer until centre of dial pointer aligns with centre of 600 Kc/s. spot on dial reading. Leave the gang and pointer set in this position. Re-peak oscil. coil ind. trim (iron core) and peak the ant. trans. ind. trim. (iron core) for max. output. Do not rock the cond. gang or dial pointer to and fro through the signal while adjusting or move them until after the inductance trimmer (iron core) of both of these transformers has been peaked for max. output.
5. To antenna lead from receiver 1400 Kc/s. 200MMF. Mica capacitor in series with Generator. Turn cond. gang and dial pointer until centre of dial pointer aligns with centre of 1400 Kc/s. spot on dial reading. Adjust oscil coil trim condenser for logging and re-peak antenna trans. trim. condenser for max. output.

