

Volume control at maximum, no signal applied for voltage measurements.

## **Emerson Radio**

Models 653B and 702B, Chassis 120136-B.

## ALIGNMENT

To set pointer, turn variable condenser fully closed and set pointer at mark near left end of dial backplate. Use isolation transformer if available. If not, connect a 0.1 mfd. condenser in series with low side of signal generator and chassis. Volume control should be at maximum position; output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	METER OUTPUT	ADJUST	REMARKS
1	0.1 mfd.	High side to stator of rear section of tun- ing condenser. Low side to chassis.	455 kc	Variable con- denser fully open.	Across voice coil.	A1, A2, A3, A4	Adjust for maximum output. If isolation transformer is not used, reduce dummy antenna to 0.001 mfd. to reduce hum modulation.
2	200 mmfd.	High side to external an- tenna lead. Low side to ex- ternal ground lead.	1620 kc	Variable con- denser fully open.	Across voice coil.	<b>A</b> 5	Adjust for maximum output.
3	200 mmfd.	High side to external an- tenna lead. Low side to ex- ternal ground lead.	1400 kc	Tune for maximum output.	Across voice coil.	A6	Adjust for maximum output.

