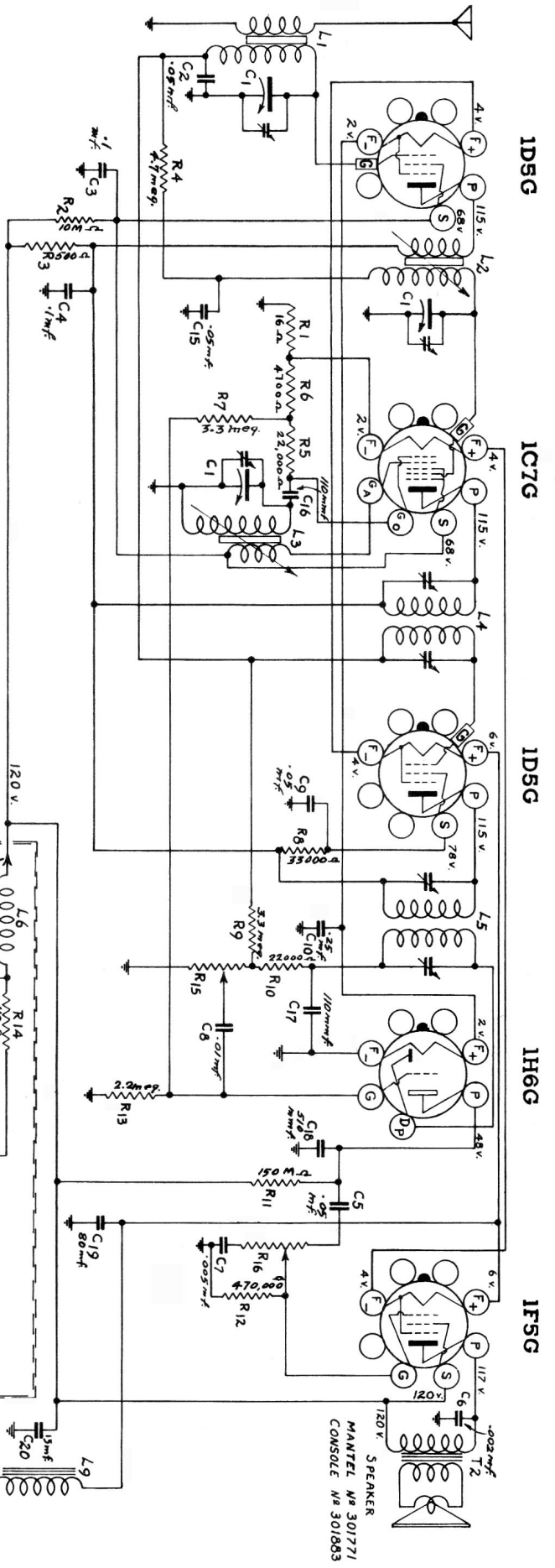


I.F. 456 K.C.



ALIGNMENT INSTRUCTIONS

A well shielded signal generator and an output meter are required to align this receiver. The volume and tone controls should be full on to the right and the weakest possible signal used which will give a readable output.

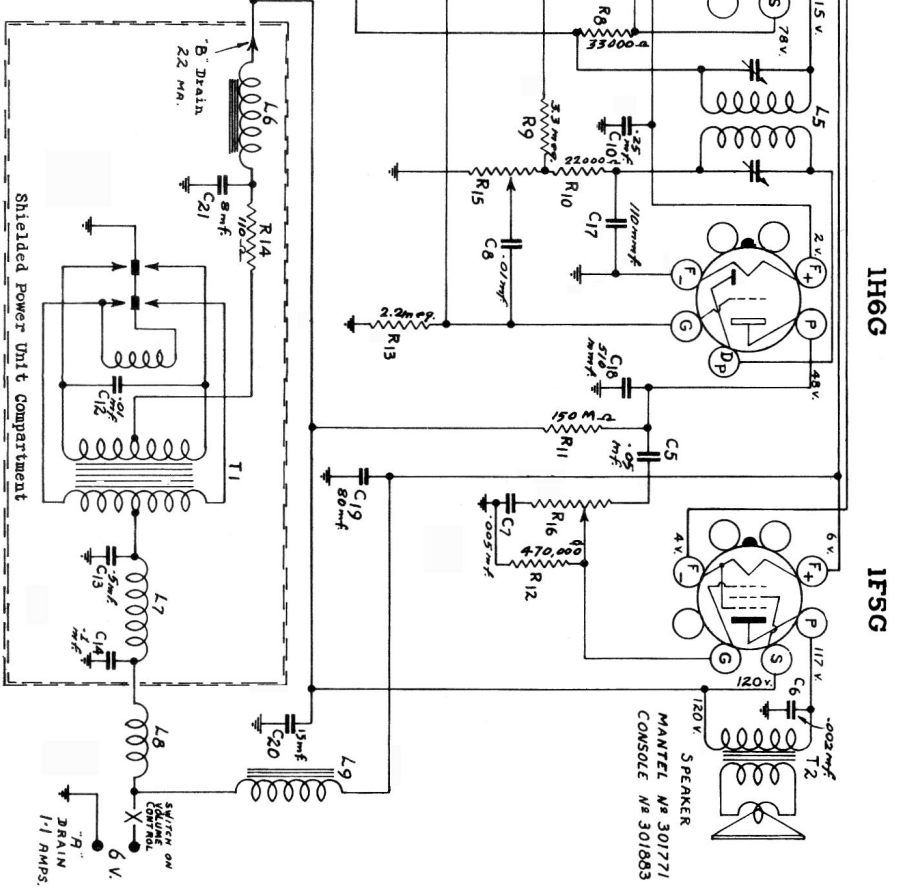
Set the pointer to the horizontal line at the low frequency end of the dial scale with the condenser in full mesh.

Proceed with the alignment as follows:

	Dummy Antenna In Series with Signal Gen.	Connection of Signal Gen. to Receiver	Signal Gen. Freq.	Receiver Dial Setting	Trimmer Desc.	Type of Adjustment
1.	.1 mfd cond.	Top grid of 1C7G	456 kc	Any point where it does not affect the signal	1st I.F. and 2nd I.F.	Adjust for maximum output then repeat adjustment
2.	Standard dummy	Antenna lead	600 kc	600 kc	Oscillator coil L3	Adjust iron core to bring in signal
3.	Standard dummy	Antenna lead	600 kc	600 kc	RF coil L2	Adjust iron core for maximum output
4.	Standard dummy	Antenna lead	1500 kc	1500 kc	On rear section of gang	Adjust oscillator to bring in signal
5.	Standard dummy	Antenna lead	1500 kc	1500 kc	Centre and front gang for maximum output while rocking gang slightly	Adjust RF and antenna sections
6.	Standard dummy	Antenna lead	600 kc	600 kc	Repeat operations number 4 and 5	
7.	Standard dummy	Antenna lead	1500 kc	1500 kc	Repeat operations number 4 and 5	

Note: A 200 mfd condenser may be used in place of the standard dummy.

There should be no hum or "hash" from the vibrator. If either does exist, make sure the battery connections are clean and tight. The battery leads from the set MUST NOT be extended beyond that supplied with the receiver, otherwise hum will result and its intensity will increase as the leads are lengthened.



MODEL R-442

MANTREL MODEL R4421
CONSOLE MODEL R4425

BATTERY OPERATED
(Vibrator Model)
1939-40

