

ALIGNMENT PROCEDURE AND EQUIPMENT CONNECTIONS:

Signal Generator: Allow a sufficient length of time after the generator has been turned on for it to become thermally stable before making any tests. Always be sure to use the specified capacitor in series with the signal generator output lead connections as listed on the alignment procedure chart. Connect the return lead of the signal generator to the ground terminal of the receiver.

Output Indicator: If a power output meter is used adjust it for 4 ohms impedance and connect it across the secondary of the output transformer in place of the voice coils of the speakers. Do not exceed 500 milliwatts output during alignment. If an a-c voltmeter is used connect it across the secondary of the output transformer with the speakers connected. Do not exceed 1.1 volts during alignment. As the reading of the test meter increases with alignment, regulate the signal generator attenuator to keep the output below the above limits.

Receiver: Turn the volume control to the full on (clockwise) position and the tone control to the full clockwise position. With the gang tuning capacitor fully closed adjust the dial pointer to the "start" mark on the alignment scale. Set the radio phonograph switch to the clockwise (radio) position.

ALIGNMENT PROCEDURE CHART

Operation Steps	SIGNAL GENERATOR			RECEIVER		
	Output Connections to Receiver	Frequency	Tuning Capacitor	See Notes	Adjust in Stated Order For Maximum Output	
1	To 6BA6 (IF) Control Grid (1) through .05 mf capacitor	455 kc.	Min.		2nd I-F Transformer L8 Bottom, L7 Top	
2	To Stator of C2 through .05 mf. capacitor	455 kc.	Min.	A	1st I-F Transformer L6 Top, L5 Bottom	
3	To Antenna Contact through a 100 mmf. capacitor	1600 kc.	1600 kc.	B	Oscillator Trimmer C6 Interstage Trimmer C5 Antenna Trimmer C4	

* or a standard dummy antenna with a 200 uuf capacitor in series.

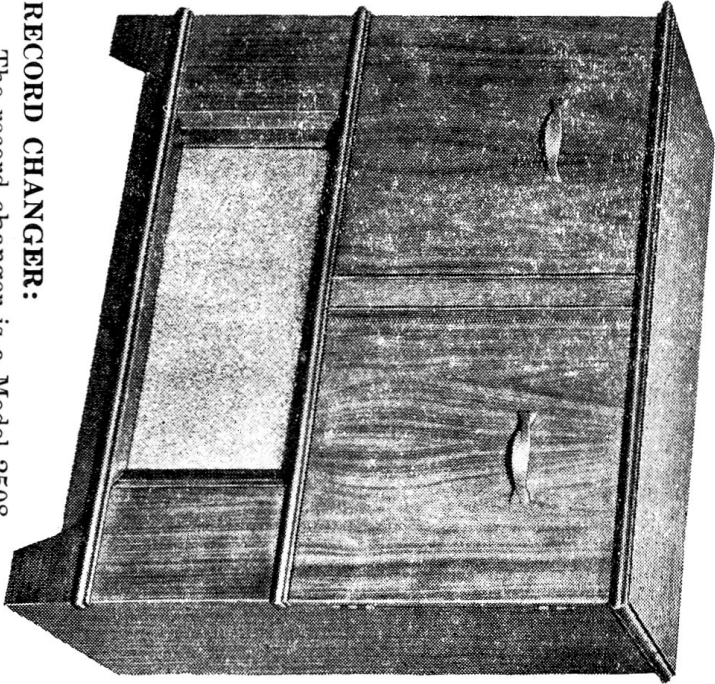
ALIGNMENT NOTES:

Note A After operation 2 has been completed do not readjust L8 - L7.
Note B Repeat operation 3.

TUBE SOCKET VOLTAGES

Pin	6BA6 (RF)	6BE6	6BA6 (IF)	6AT6	6AQ5	6X4
1	—	—	—	—	—	290 ac.
2	0	—	0	0	12	—
3	6.3 a.c.	0	0	0	0	6.3 a.c.
4	0	6.3 a.c.	6.3 a.c.	6.3 a.c.	6.3 a.c.	0
5	220	260	260	—	260	—
6	30	85	55	—	260	290 a.c.
7	0	—	0	65	—	278

All voltages measured to chassis with a 20,000 ohms per volt meter, with zero signal input. All voltages are d.c. positive except where noted. Test voltage 117 volts, 25/60 cycles. Reading may vary $\pm 10\%$.



RECORD CHANGER:

The record changer is a Model 2508

Rogers Majestic R261
Console Radio / Phonograph