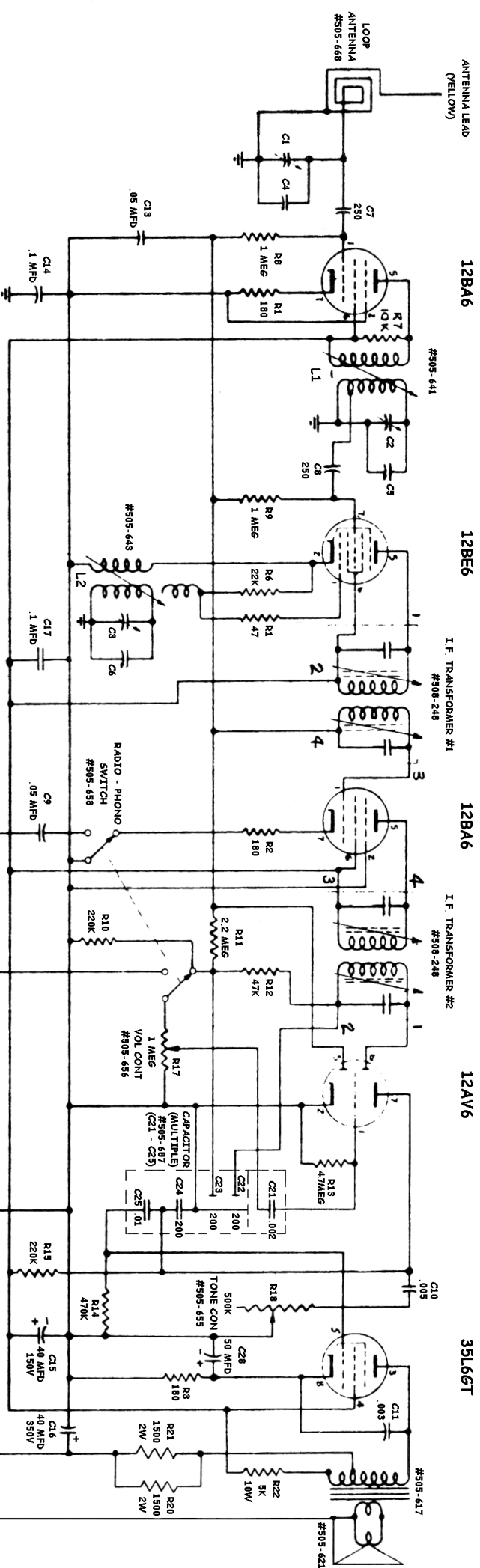




Marconi Model 388 Emerson 5809

Marconi Model 388, Emerson 5809 Service Information



VOLTAGE DATA

	RADIO	PHONO
Rectifier Cathode	260v.	265v.
B ⁺	100v.	100v.
Output Plate	220v.	220v.
Output Cathode	7.1v.	7.2v.

Above readings are approximative and will vary depending on the resistance of the voltmeter used. Readings are taken on the lowest scale that will accommodate the voltage under test.

FREQUENCY COVERAGE 535 - 1720 Kc.

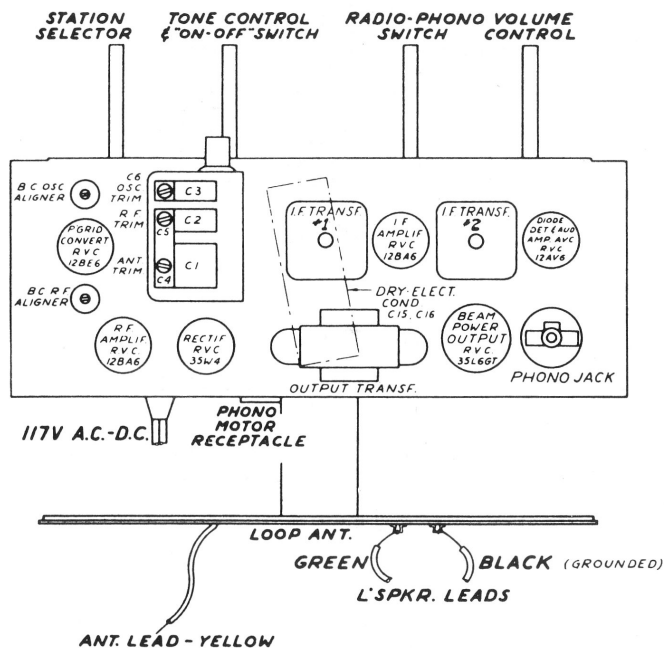
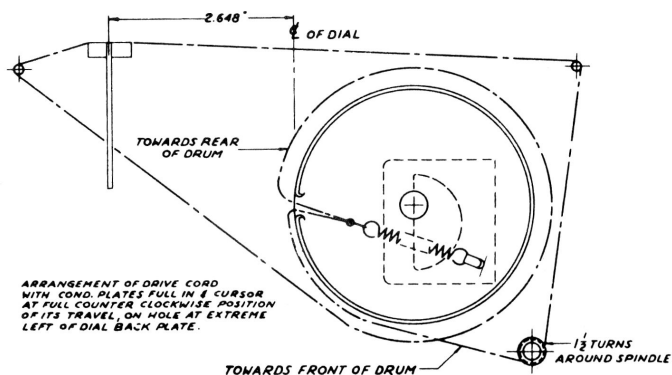
POWER OUTPUT (U.P.O.) 1.8 watt

POWER RATING 0.6 amps

RECORD CHANGER

For Data and Parts List of Record Changer, please refer to "MECHANICAL SERVICE INSTRUCTIONS AND PARTS LIST" for Model 511-508 - W/C 140 Intermix Diskchanger.

DRIVE CORD ARRANGEMENT



TUBE LOCATION CHART

LOUDSPEAKER DATA

Cone	8 inch
Field	Permanent Magnet Alnico V
	6.8 oz.
Voice Coil Impedance at 400 C.P.S.	3.2 ohms
Output Transformer Primary Resistance	330 ohms
Output Transformer Primary Impedance	2400 ohms

ALIGNMENT PROCEDURE

Maximum performance depends on accurate alignment of the R. F. and I. F. circuits of the receiver; therefore, follow the instructions below and the method outlined in the alignment chart carefully.

CAUTION

Use isolation transformer if available. If not, connect a .25 Mf. condenser in series with low side of signal generator and B neutral. (Low side of volume control).

- Make all alignment adjustments to the receiver with the volume and tone controls set at maximum.
- Connect the output meter across the voice coil terminals.
- Keep the output of the signal generator as low as is consistent with serviceable meter readings.

NOTE

Before proceeding with R. F. alignment, check the position of the dial pointer by completely meshing the gang condenser and setting the pointer on the calibration mark.

Marconi 388 & Emerson 5809 Alignment Information

STEP	CONNECT S.G. OUTPUT TO	INPUT FREQUENCY	DIAL SETTING	ADJUST	CIRCUITS RESONATED	REMARKS
1	*C.G. 12BE6	455 Kc.	Gang at Maximum	Top & Bottom Top & Bottom	No. 2 I. F. No. 1 I. F.	Adjust
2	Antenna	1500 Kc.	1500 Kc.	C6 C5 C4	Oscillator Detector R. F. Loop	for
3	Lead			L1	Detector	Maximum
4	and	580 Kc.	580 Kc.	L2	Oscillator	
5	Chassis			Inside turn of loop	R. F. (Loop)	Output

⚡ Lug on Detector Section (Centre) of gang forms suitable point of connection.
Apply signal through a 400 ohm resistor.