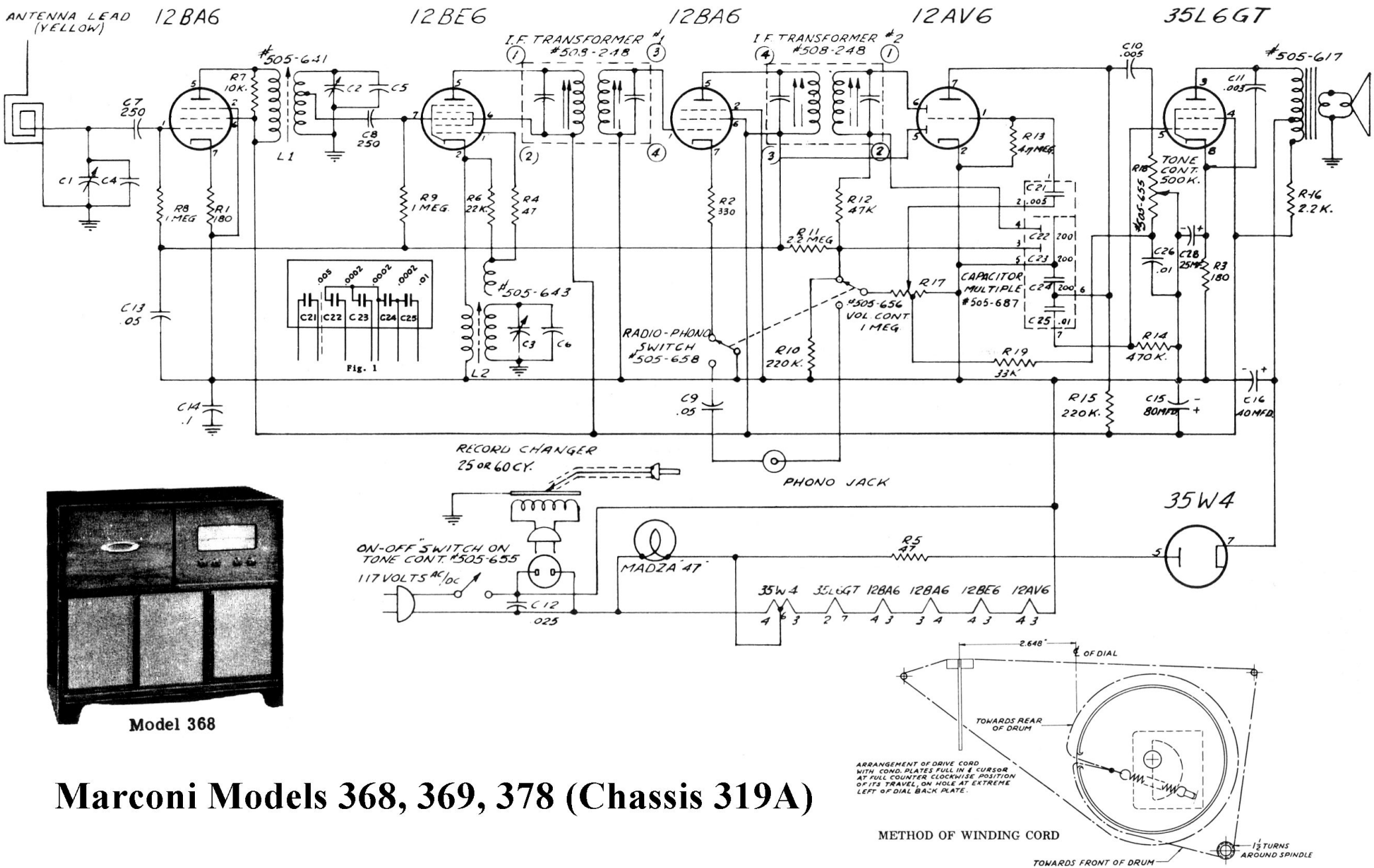


Model 368

Marconi Models 368, 369, 378 (Chassis 319A)

Tube Socket Voltage Chart

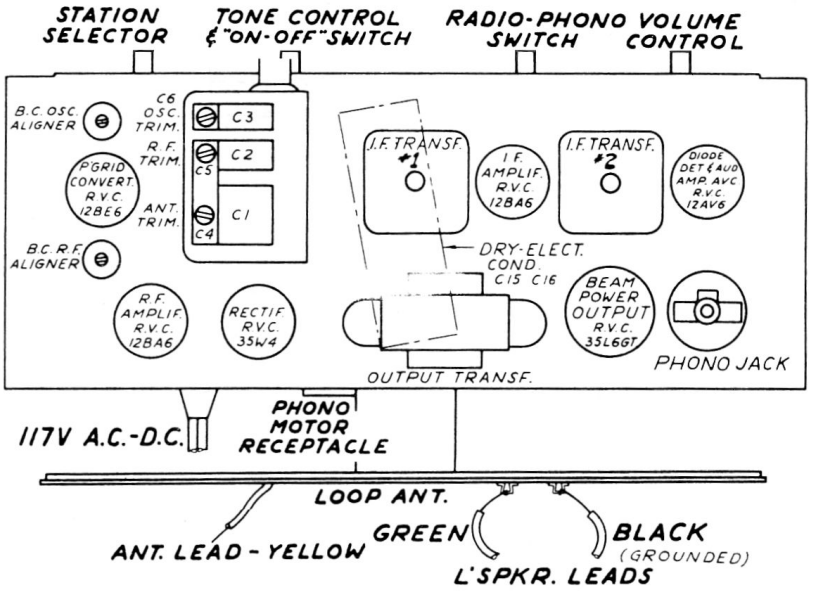
TUBE TYPE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
12BA6			37 V.A.C.	25 V.A.C.	70 V.	70 V.	1 V.	
12BE6			12.6 V.A.C.	25 V.A.C.	70 V.	70 V.	-.3 V.	
12BA6	-.4 V.		37 V.A.C.	50 V.A.C.	70 V.	70 V.	1 V.	
12AV6	-.6 V.			12.6 V.A.C.	-.4 V.	-.3 V.	45 V.	
35L6GT		85 V.A.C.	105 V.	70 V.	(2)	112 V.	50 V.A.C.	5 V.
35W4	(1) -.4 V.	(1) -.4 V.	85 V.A.C.	115 V.A.C.	107 V.A.C.	109 V.A.C.	112 V.	

MEASURED VALUES ARE FROM SOCKET PIN TO B-
D.C. VOLTAGE MEASUREMENTS ARE AT 20,000 OHMS PER VOLT.
A.C. VOLTAGES MEASURED AT 1,000 OHMS PER VOLT.
NOMINAL TOLERANCE OF COMPONENT VALUES MAKES POSSIBLE A VARIATION OF +15% IN VOLTAGE READINGS
VOLUME & TONE CONTROLS AT MAXIMUM, NO SIGNAL APPLIED FOR MEASUREMENTS.
THE D.C. VOLTAGE DEVELOPED ACROSS THE OSCILLATOR GRID LEAK, R4 AVERAGES -3V. VOLTS AT 900 KC.
1. Tie Point for AVC.
2. Tie Point for B+. Junction of R16 and output Transformer.

LOUDSPEAKER DATA	Model 368	Model 369
Cone	8 Inch	5X7 Inch
Field Alnico V-Permanent Magnet	3.2 oz.	1.3 oz.
Voice Coil Impedance at 400 C.P.S.	3.2 Ohms	3.2 Ohms
Output Transformer Primary Resistance	330 Ohms	330 Ohms
Output Transformer Primary Impedance	2500 Ohms	2500 Ohms

POWER OUTPUT (U.P.O.) ..... 0.8 Watt

POWER RATING	Model 368	Model 369
117 volts, 25-60 Cycle	0.75 Amps.	0.5 Amps.



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: To prevent the possibility of damaging valuable test instruments, an isolating transformer should be used between the line and the receiver.

A. Make all alignment adjustments to the receiver with the volume and tone controls set at maximum.

B. Connect the output meter across the voice coil terminals.

C. 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 to the index mark at the left hand end of the dial back plate.

Marconi Models 368, 369, 378 Alignment Procedure

STEP	CONNECT SG OUTPUT TO	FREQUENCY	DIAL SETTING	ADJUST	CIRCUITS RESONATED	REMARKS
1	# C.G. 12BE6	455 K.C.	GANG AT MAXIMUM	PRI. and SEC. CORES.	NO. 2 I.F.	ADJUST FOR MAXIMUM OUTPUT
2	# C.G. 12BE6	455 K.C.	GANG AT MAXIMUM	PRI. and SEC. CORES.	No. 1 I.F.	
3	ANTENNA LEAD AND CHASSIS	580 K.C.	580 K.C.	L1	DETECTOR	
4				L2	OSCILLATOR	
5				INSIDE TURN OF LOOP	R.F. LOOP	
6		1500 K.C.	1500 K.C.	C6 C5 C4	OSCILLATOR DETECTOR R.F. LOOP	

Lug on Detector Section (Centre) of Gang forms a suitable point of connection.
Apply signal through a 400 ohms Resistor.