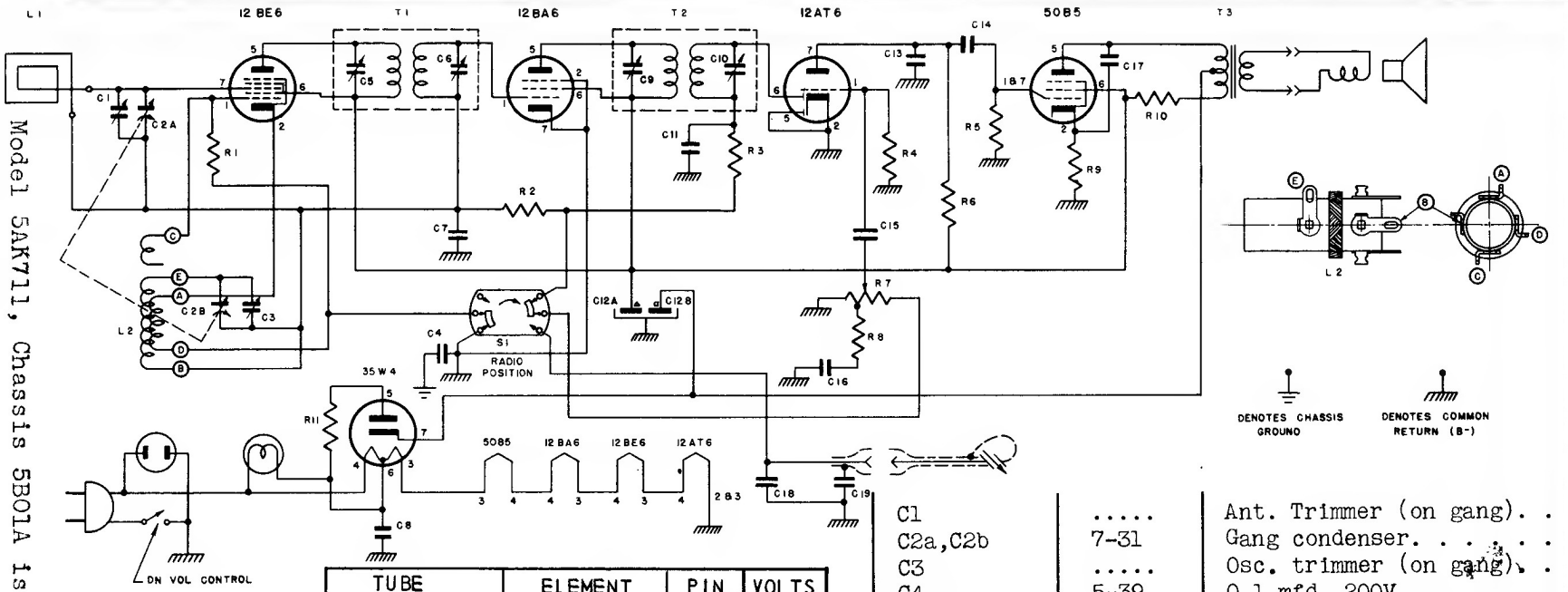
Model 5AK711, Chassis 5B01A is similar, but less phono.



TUBE	ELEMENT	PIN	VOLTS
12BE6 Converter	Plate	5	88
	Screen Grid	6	88
	Grid	7	0.6
12BA6 I.F. Amp.	Plate	5	88
	Screen Grid	6	88
	Grid	1	-0.6
12AT6 2nd Det., AVC	Plate	7	38
	Grid	1	-0.6
50B5 Output	Plate	5	107
	Screen Grid	6	88
	Cathode	2	4.9
	Grid	1 & 7	0
35W4 Rectifier	Plate	5	117AC
	Cathode	7	115

NOTE: All voltages measured with a vacuum tube voltmeter to B--. A full line voltage of 117 V.A.C., volume control at minimum

C1	.....	Ant. Trimmer (on gang). .
C2a,C2b	7-31	Gang condenser. . . . .
C3	.....	Osc. trimmer (on gang). .
C4	5-39	0.1 mfd. 200V . . . . .
C5,C6	.....	On 1st I.F. Transformer .
C7,C8,C19	5-40	.05 mfd. 200V . . . . .
C9,C10	.....	On 2nd I.F. Transformer .
C11,C13,C18	6-151	220 mmf. 500V mica. . . .
C12a,C12b	19-25	20 mfd. 40 mfd. 150V Elec
C14,C16	5-57	.01 mfd. 200V . . . . .
C15	5-52	.002 mfd. 200V. . . . .
C17	5-58	.04 mfd. 400V . . . . .
R1,R3	01-143	22K ohm, 1/4 watt . . . .
R2	01-234	3.3 megohm, 1/4 watt. . .
R4	01-255	10 megohm, 1/4 watt . . .
R5	01-199	470K ohm, 1/4 watt. . . .
R6	02-192	330K ohm, 1/2 watt. . . .
R7	13-28	500K ohm volume control .
R8	01-139	18K ohm, 1/4 watt . . . .
R9	03-52	150 ohm, 1 watt . . . . .
R10	03-90	1200 ohm, 1 watt. . . . .
R11	01-20	27 ohm, 1/4 watt. . . . .
L1	S-1354	Loop Assembly . . . . .
L2	S-1374	Oscillator coil . . . . .

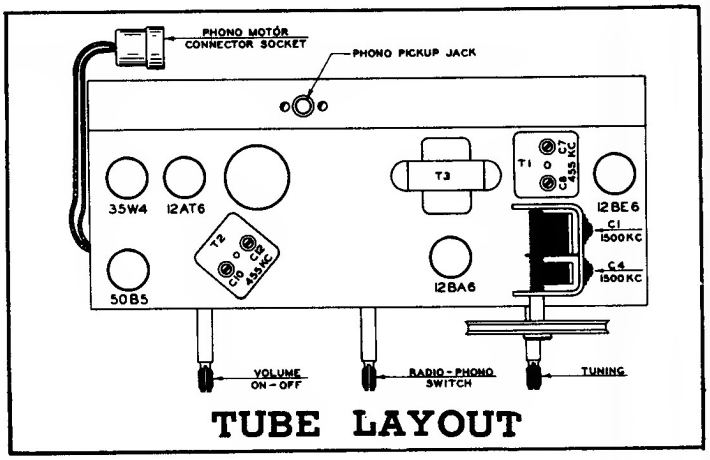
Majestic

MODELS 5AK731-5AK780
CHASSIS 5B05A

Majestic

Models 5AK731, 5AK780

Chassis 5B05A



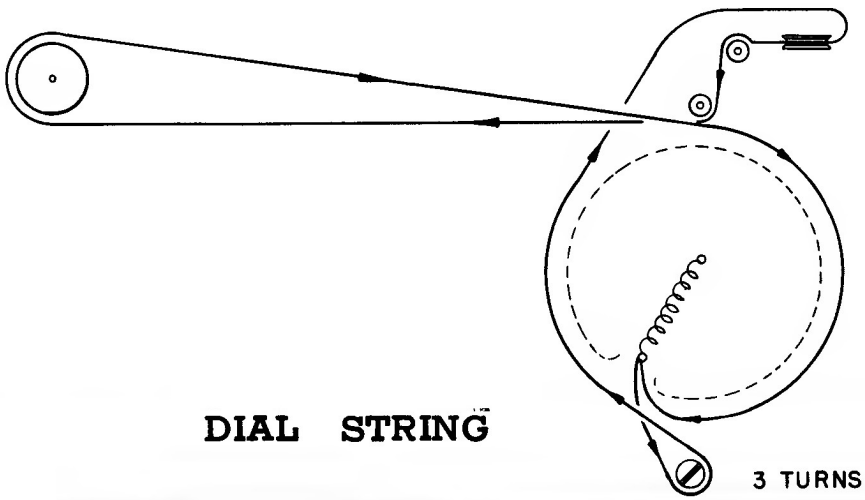
TUBE LAYOUT

ALIGNMENT

Before aligning, set the dial pointer as follows: Close the tuning gang condenser (plates fully closed). Set the dial pointer so that it is in line with the last mark at the low frequency end of the dial scale.

While aligning this receiver, turn the volume control full on, and keep the signal generator output as low as possible to prevent AVC action and false readings.

OPERATION	CONNECT OSC. TO	DUMMY ANTENNA	INPUT SIGNAL FREQUENCY	SET DIAL TO	ADJ. TRIMMERS	PURPOSE
1	Pin 7 on converter tube 12BE6 socket	.05mfd	455KC Modulated	600KC	C5,C6,C9 and C10	Align I.F. channel for maximum output
2	2 turns loosly cpld. to loop ant.	------	1500KC Modulated	1500KC	C3	Set oscillator to dial scale
3	2 turns loosly cpld. to loop ant.	------	1500KC Modulated	1500KC	C1	Align ant. for maximum output



DIAL STRING