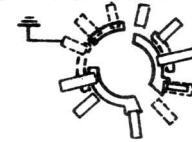
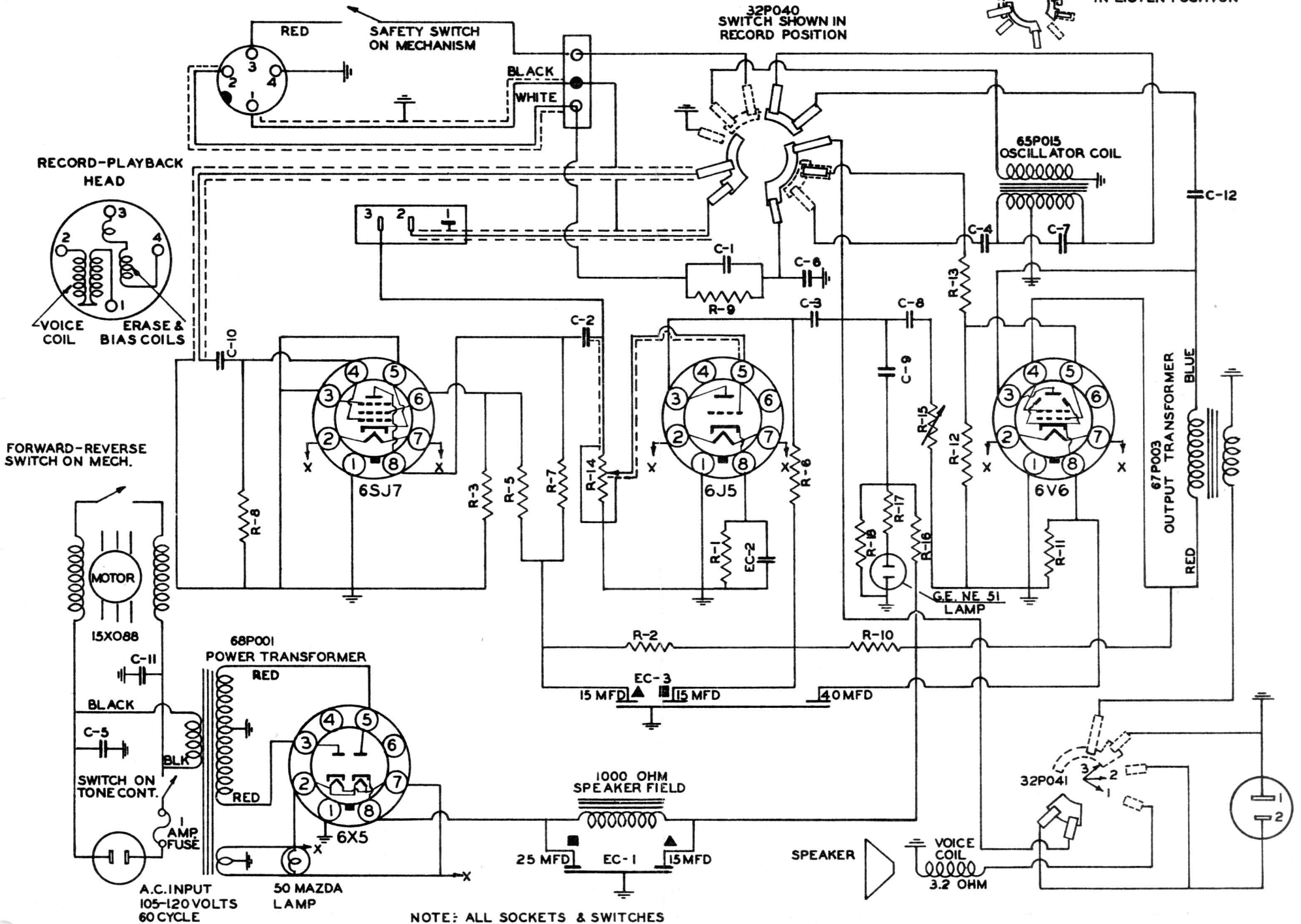


# CIRCUIT DIAGRAM WEBSTER·CHICAGO MODEL 80 WIRE RECORDER



32P040 SWITCH SHOWN IN LISTEN POSITION



NOTE: ALL SOCKETS & SWITCHES SHOWN ARE BOTTOM VIEWS

TUBE VOLTAGES			
TUBE	PIN	SWITCH IN RECORD POS.	SWITCH IN PLAYBACK POS.
6X5	2	3.1	3.1
	3	340	335
	5	340	335
	7	3.1	3.1
	8	370	360
6V6	2	3.1	3.1
	3	320	300
	4	320	300
	5	-43	---
	7	3.1	3.1
	8	11.0	13.5
6J5	2	3.1	3.1
	3	150	135
	7	3.1	3.1
	8	4.2	4.2
6SJ7	2	3.1	3.1
	5	.25-.65	.25-.65
	6	14	13
	7	3.1	3.1
	8	75-150	65-150
NOTES;			
1. All voltages measured with line voltage of 117 volts at 60 cycles with volume control in full counterclockwise and tone control in full clockwise positions.			
2. All voltages shown are measured to ground (chassis).			
3. Voltages shown in <i>ITALICS</i> are A.C. Voltages, all others are D.C.			
4. A.C. voltages are measured with a rectifier type instrument the sensitivity of which is at least 1000 ohms per volt.			
5. D.C. Voltages are measured with a D.C. type Vacuum Tube voltmeter.			
6. Voltages should be as shown plus or minus 10 percent.			

R-1	Carbon Resistor	1000	Ohms	1/2 Watt
R-2	Carbon Resistor	100000	Ohms	1/2 Watt
R-3	Carbon Resistor	24000	Ohms	1/2 Watt
R-5,R-7	Carbon Resistor	220000	Ohms	1/2 Watt
R-6	Carbon Resistor	39000	Ohms	1/2 Watt
R-8	Carbon Resistor	4.7	Megohms	1/2 Watt
R-9,R-12	Carbon Resistor	68000	Ohms	1/2 Watt
R-10,R-13	Carbon Resistor	820	Ohms	1/2 Watt
R-11	Carbon Resistor	270	Ohms	1 Watt
R-14	Carbon Control	1	Megohm	
R-15	Carbon Control	50000	Ohms	
R-16	Carbon Resistor	1	Megohm	1/2 Watt
R-18	Carbon Resistor	220000	Ohms	1/2 Watt
R-17	Carbon Resistor	270000	Ohms	1/2 Watt
C-1	Paper Condenser	.001	Mfd	600 Volts
C-2	Paper Condenser	.02	Mfd	400 Volts
C-3	Paper Condenser	1.0	Mfd	200 Volts
C-4	Paper Condenser	.002	Mfd	600 Volts
C-5,C-8	Paper Condenser	.05	Mfd	400 Volts
C-6	Paper Condenser	.0001	Mfd	600 Volts
C-7	Mica Condenser	.01	Mfd	300 Volts
C-9	Paper Condenser	.01	Mfd	400 Volts
C-10	Shielded Condenser	.01	Mfd	100 Volts
EC-1	Electrolytic Condenser-2	25	Mfd	450 Volts
		15	Mfd	350 Volts
		10	Mfd	25 Volts
EC-2	Electrolytic Condenser-2	10	Mfd	25 Volts
		10	Mfd	25 Volts
		15	Mfd	250 Volts
EC-3	Electrolytic Condenser-3	15	Mfd	350 Volts
		15	Mfd	350 Volts
		40	Mfd	24 Volts

NOTE: All Resistor Values are 10% unless otherwise specified.