

# EMERSON RADIO

Models 501, 502, 503, and 504.

CHASSIS MODELS: 120000, 120029

Schematic Symbol	Part No.	DESCRIPTION
C1, C2	900160	Two-gang variable condenser (120029 chassis).....
C3		Trimmer, part of variable condenser.....
C4		Trimmer, part of variable condenser.....
C5, C6		Trimners, part of first i-f transformer.....
C7, C8		Trimners, part of second i-f transformer.....
C9, C15	920010	0.002 mfd., 600 volt condenser.....
C10	920170	0.001 mfd., 600 volt condenser.....
C11, C12	920020	0.02 mfd., 400 volt condenser.....
C13	910000	0.00022 mfd. mica condenser.....
C14	920040	0.1 mfd., 200 volt condenser.....
C16	920030	0.05 mfd., 400 volt condenser.....
C17, C18	925000	30-50 mfd., 150 V. dual dry-electrolytic condenser; C17—30 mfd., C18—50 mfd.
C19	920050	0.2 mfd., 200 volt condenser.....
L1	700000	Loop antenna, or.....
L1	700200	Loop antenna.....
R1, R9	397000	15 meg., 1/4 watt resistor.....
R2	321330	3.3 meg., 1/4 watt resistor.....
R3	390010	0.5 meg. volume control.....
R4, R5	321130	470,000 ohms, 1/4 watt resistor.....
R6	340290	150 ohms, 1/2 watt resistor.....
R7	370490	1000 ohms, 1 watt resistor.....
R8	310810	22,000 ohms, 1/4 watt resistor.....
R10	340010	10 ohms, 1/2 watt resistor.....
R11	397040	15 ohms, 1 watt wire-wound resistor.....
R12	321050	220,000 ohms, 1/4 watt resistor.....

Models: 510, 519, 520,  
and Chassis: 120030,  
are similar.

TUBE	PIN NUMBER							
	1	2	3	4	5	6	7	8
12SA7			89	89	*-10			*-1.6
12SK7				*-1.6		89		89
12SQ7		*-0.7		*-1.6	-0.5	37.5		
50L6GT			110	89				6.2
35Z5GT				116		116		117

The following voltage readings are d-c measurements taken from B— (line switch) in the indicated tube-socket pin. 1000 ohms-per-volt meter should be used for all readings except those indicated by an asterisk (\*), which should be taken with a vacuum-tube voltmeter.

