



L-20 SERIES/L-23

COMPONENT PARTS LIST AND SERVICING INFORMATION

Resistors 1/2 Watt	R19 1K OHM	TR7 T1370	C12 100-25V	SKT2 Speaker Outlet
R1 270 OHM	R20 2.2K OHM	TR8 T1370	C13 100-15V	SKT3 115V A.C.
R2 10K OHM	R21 120 OHM	Transformers	C14 500-15V	Outlet
R3 100K OHM	R22 10K OHM	T1 AM 1424 Driver	C15 100-25V	SKT4 115V A.C.
R4 22K OHM	R23 400 OHM Var.	T2 AM 1396 Output	C16 400-25V	Receptacle
R5 10 K OHM Mic. Gain	R24 4.7 OHM	T3 AM 1423A AC Power	C17 400-25V	SKT5 Relay Socket
R6 50K OHM Phono Gain	R25 120 OHM	Capacitors in mfd.	Input Jacks	F1 2 amp. Fuse, GA3
R7 100K OHM	Switches	C1 0.005-200V	J1 Master Mic.	B1 F4BW 6 Volt Battery
R8 6.8K OHM	SW1 Auxiliary Mic.	C2 2-6V	J2 Auxiliary Mic.	B2 F4BW 6 Volt Battery
R9 3.3K OHM	SW2 Master Mic.	C3 0.25-200V	J3 Auxiliary Mic.	LP1 40W Lumiline Lamp
R10 50K OHM Treble	SW3 Power AC/Batt.	C4 2-6V	J4 Phono	SC500 Microphone, complete
R11 10K OHM Bass	SW4 Reading Lamp	C5 25-6V	J5 Recorder	D1 Silicon Diode
R12 470 OHM	Transistors	C6 0.25-200V	Miscellaneous	D2 Silicon Diode
R13 100K OHM	TR1 2N1274	C7 0.005-200V	D1 Silicon Diode	S1 Speaker
R14 270K OHM	TR2 2N1274	C8 0.05-200V	D2 Silicon Diode	S2 Speaker
R15 270 OHM	TR3 2N1274	C9 0.05-200V	M1 0-15 D.C. Volt Meter	S3 Speaker
R16 400 OHM Var.	TR4 T1370	C10 0.25-200V	SKT1 Speaker Outlet	
R17 10 OHM Bias	TR5 T1370	C11 100-15V		
R18 120 OHM	TR6 T1370			

Resistors 1/2 Watt Unless Marked. Capacitors in Microfarads.

D.C. VOLTAGE READINGS TO CHASSIS () WITH NO SIGNAL.

Transistor	Collector	Base	Emitter	Transistor	Collector	Base	Emitter
TR1	3.2	0.3	0	*TR5	12	0.18	0
TR2	4.5	0.3	0	*TR6	12	0.18	0
TR3	12	0.5	0.2	TR7	15	12	12
TR4	5.8	0.2	0	TR8	12	0.15	0

*NOTE: No signal current of this pair set at 80 Ma. by adjusting R-16.

D.C. power supply readings at cathodes of Rectifier D-1 and D-2 is 15 volts A.C. with amplifier plugged in (no signal) and measured to chassis.