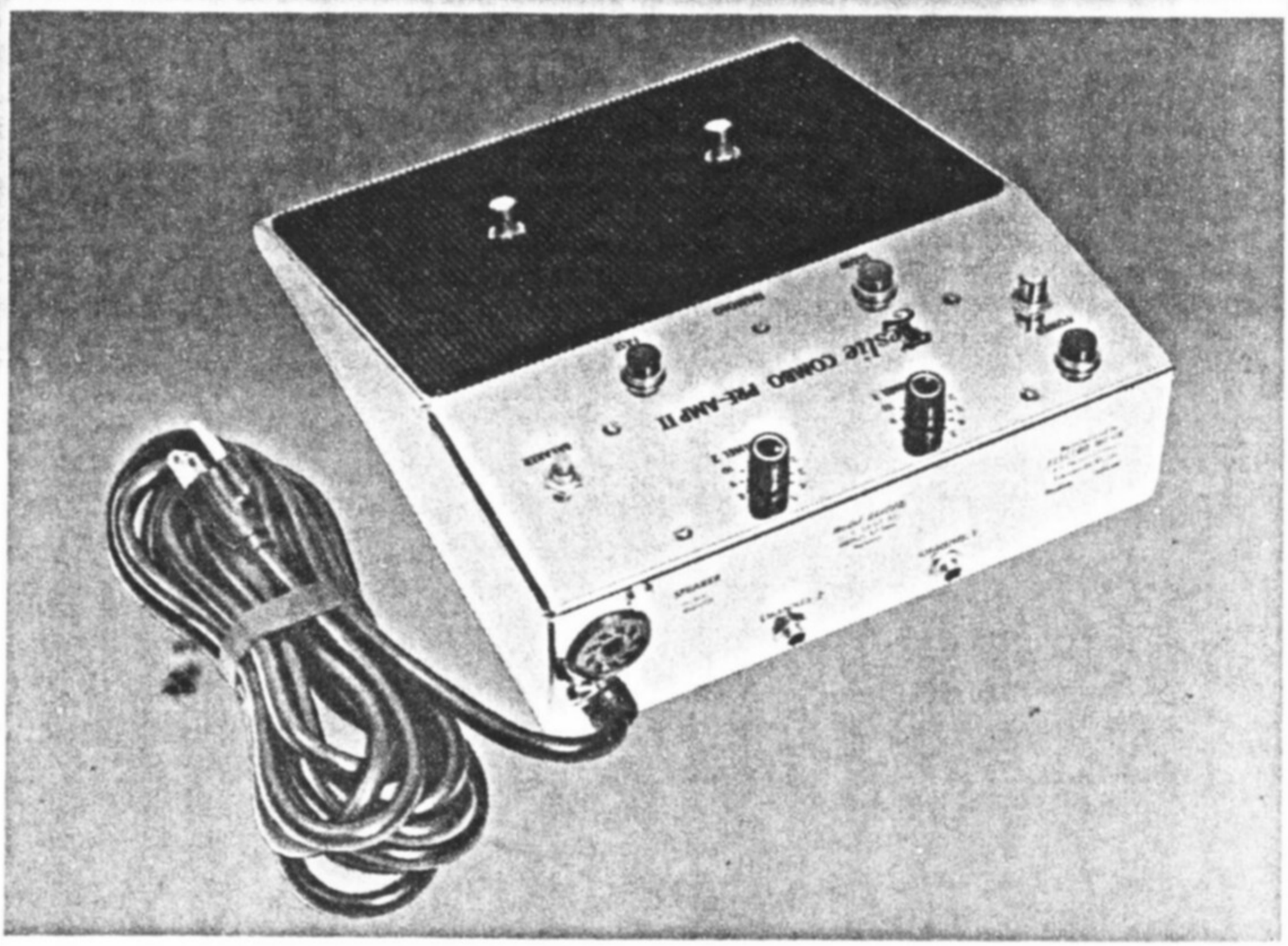
Leslie

COMBO PRE-AMP II



electro music

CBS MUSICAL INSTRUMENTS DIV.

LESLIE®
COMBO PRE-AMP II

117 V, 50/60Hz
044370

234 V, 50/60Hz
044388

GENERAL

The Combo Preamplifier II is designed to accept, and provide with gain, the output from two separate sound sources such as a combo organ and guitar. Two input jacks are provided for this purpose on the rear of the chassis. They are identified as Channel 1 and Channel 2, and each one has its own volume control. (Some combo organs channel their lower and upper frequencies into two separate outputs and would therefore require the use of both of the Combo Preamps' inputs).

The two foot-operated switches are for the control of the Tremolo unit contained in the Leslie Model 825 Speaker System.

The main power ON-OFF switch has its own light indicator located near the top-left corner. This power switch controls the power to the Combo Pre-amp and to the Leslie Speaker. The power to the combo organ must be turned off at the organ console.

The small red button identified as "Breaker" is for the purpose of restoring the circuit in the event of a temporary overload.

The left-hand foot operated switch controls slow tremolo; the right-hand foot operated switch controls fast tremolo.

INSTALLATION

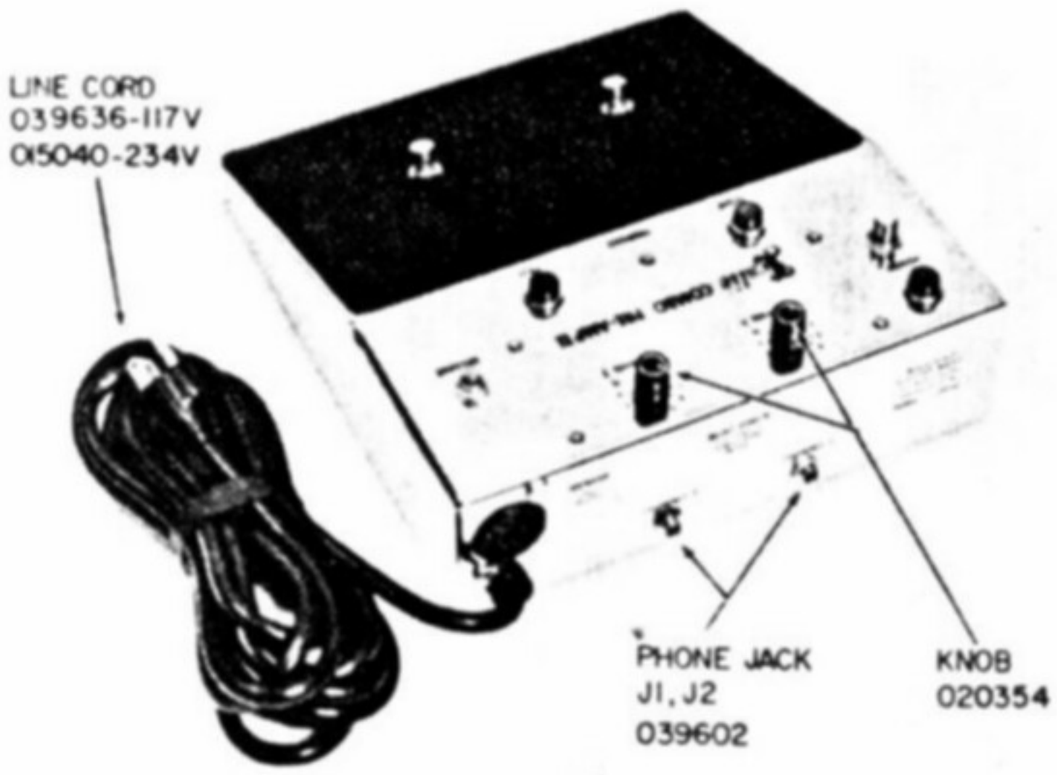
1. The Pre-amp should be located near the musician for his convenience of control.
2. Connect the output cable from the instrument to either Channel 1 or 2 input jack at the rear of the pre-amp.
3. Prepare the Leslie Speaker for operation as described in the owners manual.
4. Connect the nine-pin plug from the speaker cable into the nine contact socket at the rear of the pre-amp.
5. Plug the line cord into the nearest A.C. voltage outlet.
6. Push the "Power" switch to ON as indicated by the lighted red panel lamp.
7. Reduce the Leslie Speaker volume control to full CCW and then advance 1/3.
8. Play the loudest chord in the instrument and, while so doing, increase the volume at the Combo Pre-amp until distortion is heard and then reduce the volume by about 1½ numbers.
9. While playing the same loud chord as in Step 8, slowly increase the volume at the Speaker until distortion is heard, and then reduce the volume by ½ numbers, or until distortion disappears.

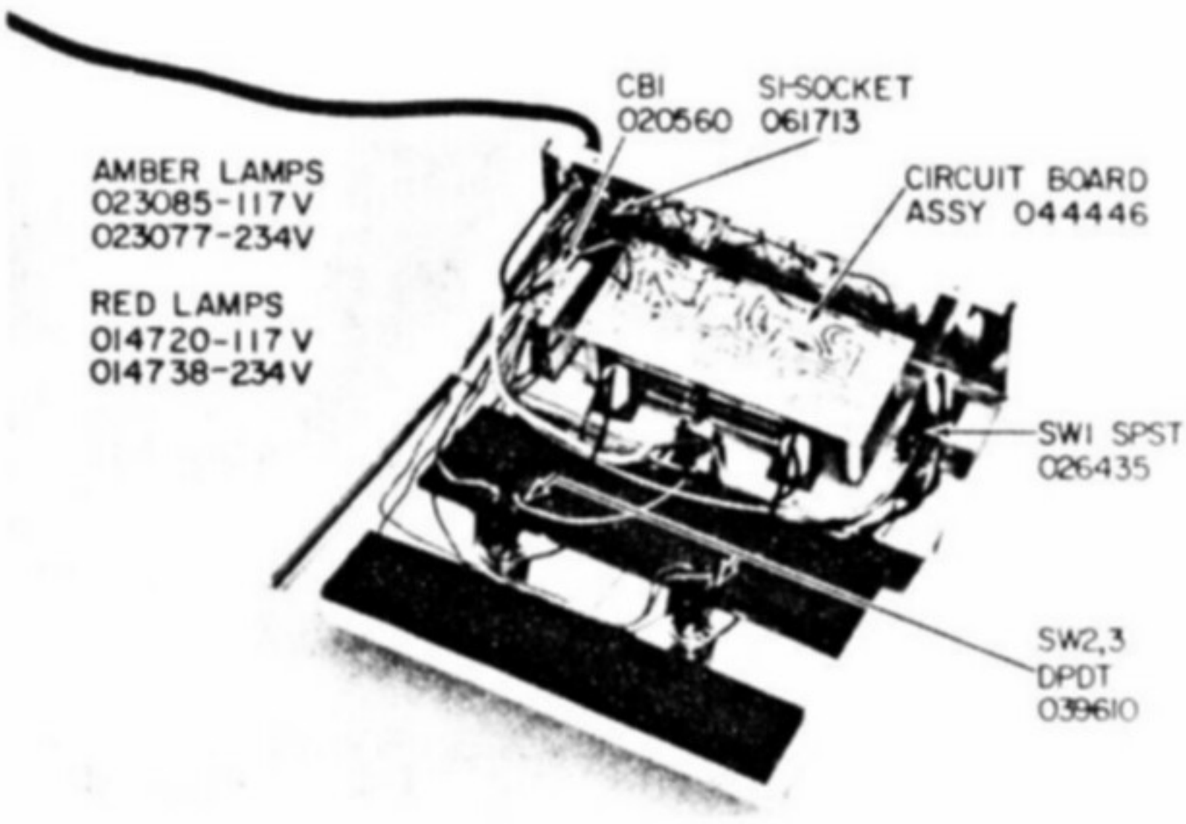
SPECIFICATIONS:

DIMENSIONS: 11" deep, 10" wide, 3" high.
WEIGHT: 7¼ lbs. boxed.
ELECTRICAL: 117V, 50-60 Hz, or 234V, 50-60 Hz.
CONTROLS: Power on-off; 2 input volume controls; circuit breaker reset. Two tremolo switches: Slow and Fast.
GUARANTEE: One year from date of purchase, covering both workmanship and materials.

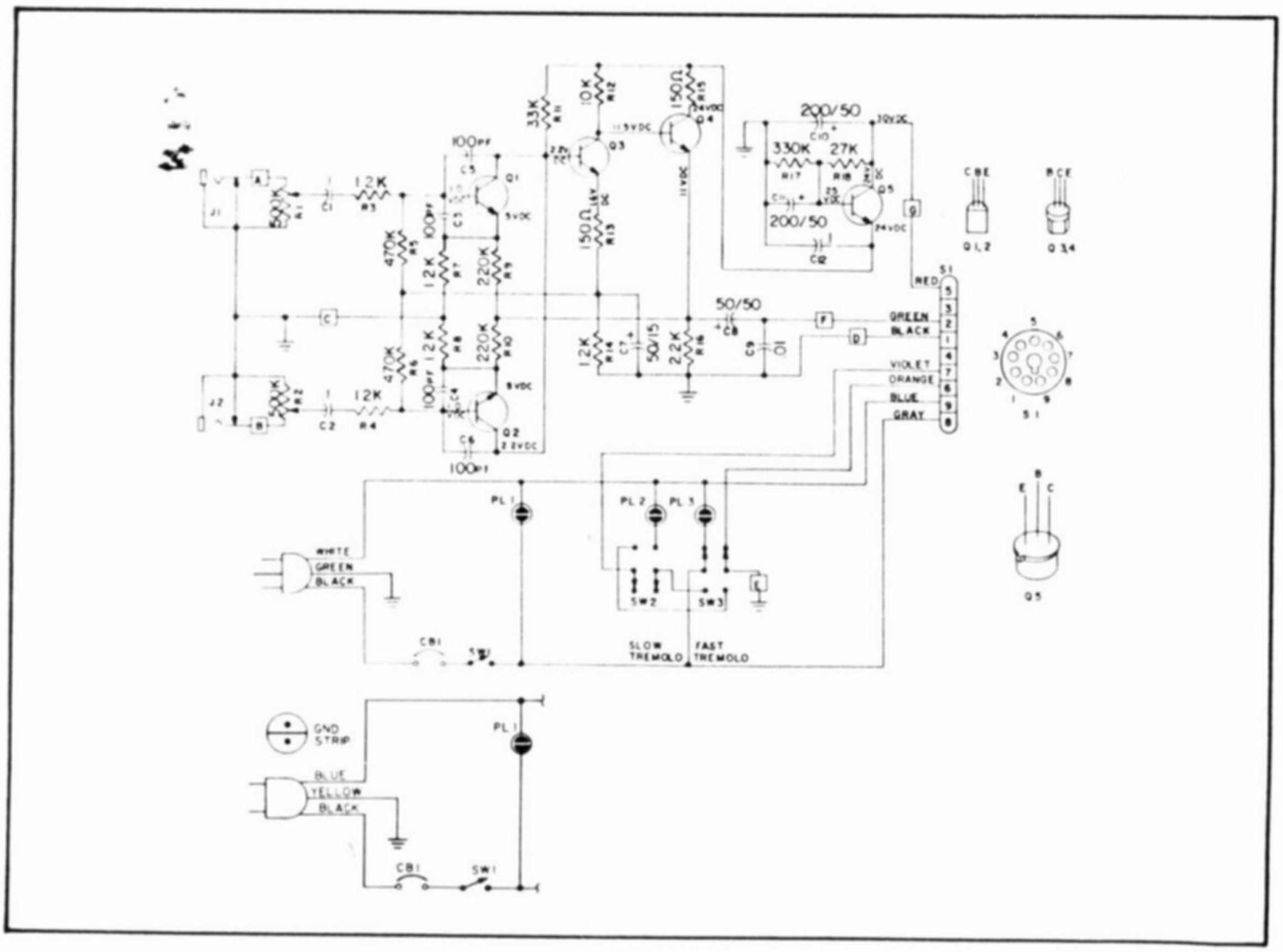
LESLIE®

COMBO PREAMP II PARTS IDENTIFICATION





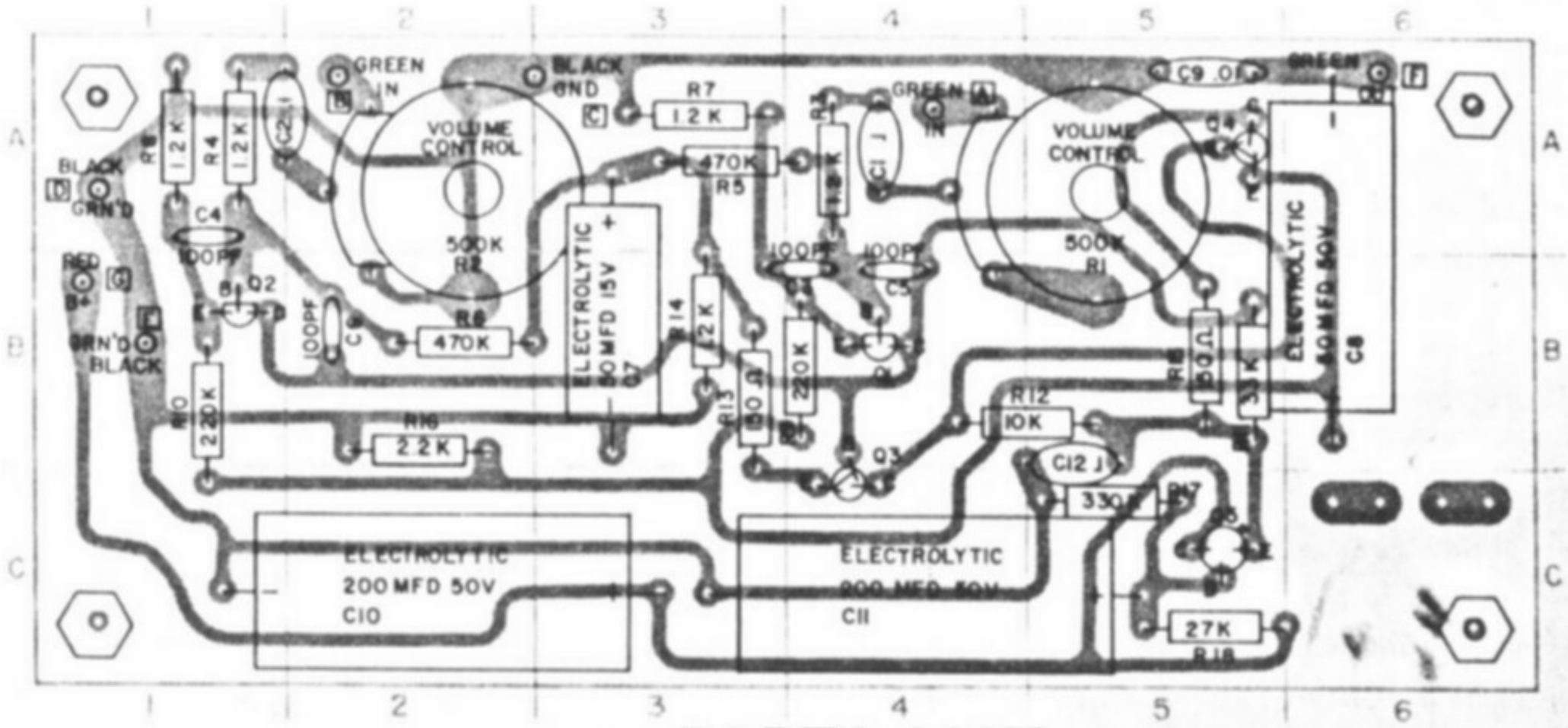
SCHEMATIC DIAGRAM



044446 CIRCUIT BOARD PARTS LOCATION

VIEW FROM FOIL SIDE

All resistors 1/2W, 10% UNO



PARTS LIST

FOIL SIDE COMBO PREAMP II

Part Number	Location	Value	Part
022251	A4	.1mfd 250VDC	Capacitor C1
022251	A2	.1mfd 250VDC	Capacitor C2
028027	B4	100 pf 1KV	Capacitor C3
028027	A1	100 pf 1KV	Capacitor C4
028027	B4	100 pf 1KV	Capacitor C5
028027	B2	100 pf 1KV	Capacitor C6
028324	B3	50 mfd 15VDC	Capacitor C7
025262	B6	50 mfd 50VDC	Capacitor C8
060467	A5	.01 mfd 1KV	Capacitor C9
020081	C2	200 mfd 50VDC	Capacitor C10
020081	C4	200 mfd 50VDC	Capacitor C11
022251	B5	.1 mfd 250VDC	Capacitor C12
020370	A5	500K control	Resistor R1
020370	A2	500K control	Resistor R2
018036	A4	1.2K	Resistor R3
018036	A1	1.2K	Resistor R4
018002	A3	470K	Resistor R5
018002	B2	470K	Resistor R6
018036	A3	1.2K	Resistor R7
018036	A1	1.2K	Resistor R8
013615	B4	220K	Resistor R9
013615	B1	220K	Resistor R10
028522	B5	33K	Resistor R11
028548	B4	10K	Resistor R12
024158	B3	150 ohms	Resistor R13
018036	B3	1.2K	Resistor R14
024158	B5	150 ohms	Resistor R15
028571	B2	2.2K	Resistor R16
020826	C5	330K	Resistor R17
020834	C5	27K	Resistor R18
026237	B4	MSPS 4382	TSTR Q1
026237	B1	MSPS 4382	TSTR Q2
061366	B4	2N 3859A	TSTR Q3
061366	A5	2N 3859A	TSTR Q4
018077	C5	2N 2102	TSTR Q5

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