

KIT 7880 INFORMATION MANUAL



COMBO PRE-AMP III

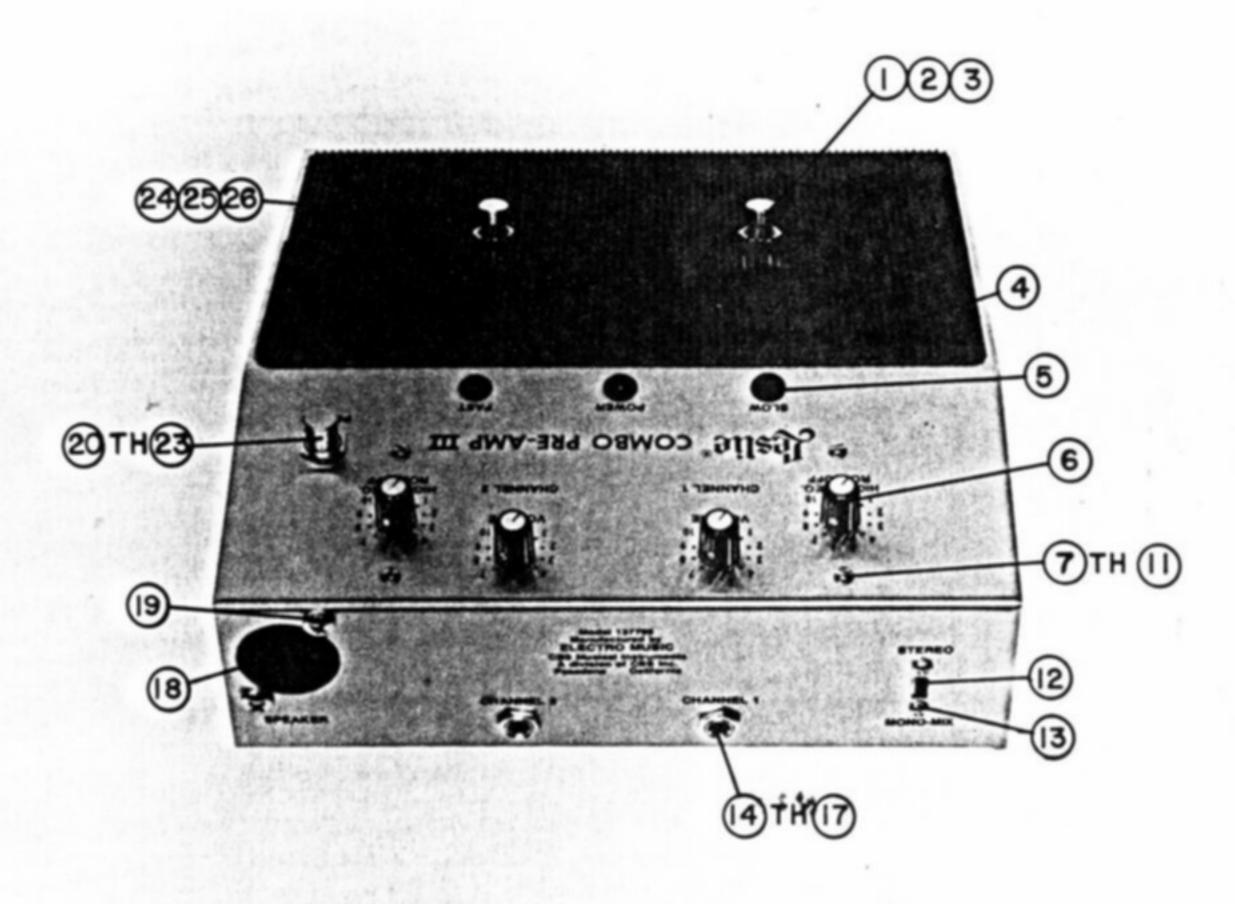
is used with: One or two combo instruments LESLIE Pro-line Speakers

The Combo Pre-amp III is designed to amplify and enhance the output from one or two sound sources, such as a combo organ and guitar (or a combo organ with two-channel output). Two input channels, each with its own jack, volume control, and high-frequency roll-off control are provided. One or both channels can be used.

Controls are also provided for the speed of the LESLIE speaker rotors; the combo pre-amp is intended for use with a LESLIE speaker.

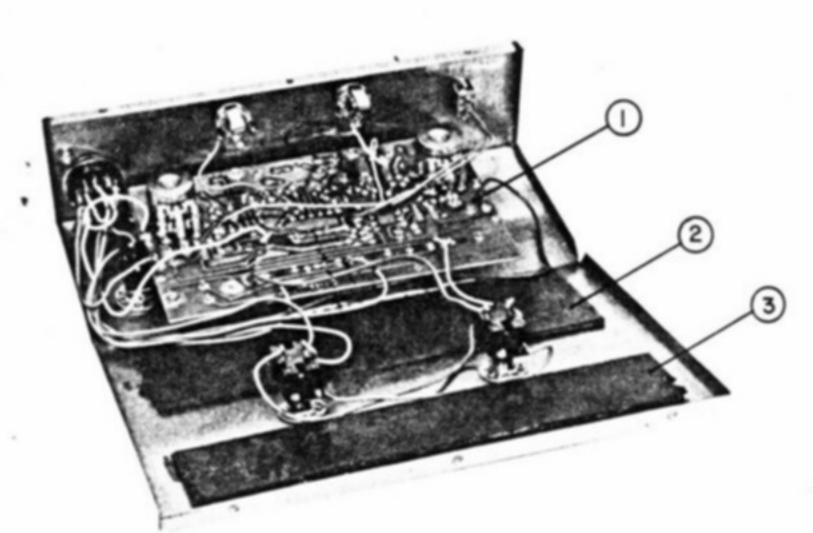
KIT CONTENT

Combo Pre-amp Assembly Cable Assembly, 11-contact, 30-foot 137357 Oiler Package 053025



Index No.	Description	Part No.	Index No.	Description	Part No.
1	Switch, push, SPST (SW2) — attaching parts —	026435	14 15	Nut, hex, 3/8-32 Washer, flat, 3/8 x 5/8 x .020	020388 127580
2 3	Nut, hex, 15/32-32 Washer, lock, 1/2 x 7/8 x .030	044776 020958	16 17 18	Washer, lock, 3/8 x 11/16 x .025 Jack, phone Cable and Socket Assembly (11 pin)	$020396 \\ 039602 \\ 137859$
5	Cover, rubber, 6-3/4 x 9-1/2 Lens with Grommet	044230 137753	19	Screw, sheet metal, 12 x 3/8, Phillips head	022095
7 8	Knob Screw, machine, 6-32 x 1-1/8 Bushing, aluminum, .196 x .313 x .625 long	020354 022145 055079	20 21 22	Switch, push, SPST (SW4) Nut, hex, 15/32-32	026435 044776
9	Washer, lock, 6 x 9/32 x 18 Nut, hex, 6-32 x 5/16 x 7/64	028993 012930	23 24	Washer, lock, 1/2 x 7/8 x .030 Washer, flat, 15/32 x 3/4 x .034 Switch, push, DPDT (SW3)	$020958 \\ 026401 \\ 039610$
11 12	Washer, spring, split Switch, slide, SPST (SW1)	$025312 \\ 110770$	25 26	Nut, hex, 15/32-32	044776
13	Screw, sheet metal, 6 x 1/4, Phillips head	011692	20	Washer, lock, 1/2 x 7/8 x .030	020958

Index No.	Description	Part No.
$\frac{1}{2}$	Circuit Board Assembly Damper Pad, 1/8 x 2-1/2 x 8-1/2 Damper Pad, 1/8 x 1-3/4 x 8-1/2	137785 039560 039552
	[not shown] Cover (bottom) — attaching parts —	039594
	Screw, sheet metal, 8 x 1/4, Phillips head	022103
	Foot, black	020859



INSTALLATION

- 1. Connect the cable from the instrument to the CHANNEL 1 or CHANNEL 2 jack at the rear of the pre-amp. (The connector should be a phone-type plug.) If only one instrument is to be used, connect it to the CHANNEL 1 jack.
- Prepare the LESLIE speaker as described in the manual accompanying the speaker.
- Connect the 11-contact cable which is in this kit between the LESLIE speaker and the SPEAKER socket at the rear of the pre-amp.
- Adjust the volume of each instrument and speaker in the system in relation to the desired total output.

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OPERATION

- Press the POWER on/off switch; the center indicator (POWER) should glow red.
- If the motors in the LESLIE speaker do not start, press the left-most foot switch. The SLOW indicator should glow red. The motors in the LESLIE speaker should also start.
- To alternate between slow and off, press (and release) the left switch.
- 4. To alternate between fast and off, press (and release) the right switch.
- 5. To alternate between slow and fast, set the left switch so that the SLOW indicator glows; then press (and release) the right switch for the speed desired. The SLOW or FAST indicator will glow, as appropriate.
- Volume controls provide separate variation for each channel. Setting 1 is the lowest; setting 10 is the highest.
- The HIGH FREQ. ROLLOFF control adjusts a filter circuit which selects the frequency at which the gain of the pre-amp begins to fall off.

At the fully counterclockwise position (1 on the dial) gain is sharply reduced at 800 Hz (nominal), falling off 3 db from the reference point, or flat gain value. Up to that frequency the gain is relatively flat. At the fully clockwise position (10 on the dial) gain is off 3 db at 18,000 Hz and continues to fall sharply at higher frequencies.

Set the HIGH FREQ. ROLLOFF for the output desired of each channel.

8. Set the STEREO/MONO-MIX switch. With the switch in the MONO-MIX position the inputs of channel 1 and channel 2 are mixed, after passing through the volume control and (high-frequency roll-off) filter circuits. Output is through contact 1 of socket S1.

With the switch in the STEREO position each channel is handled separately from input to output. (Channel 2 output is through contact 2 of socket S1.)

NOTE

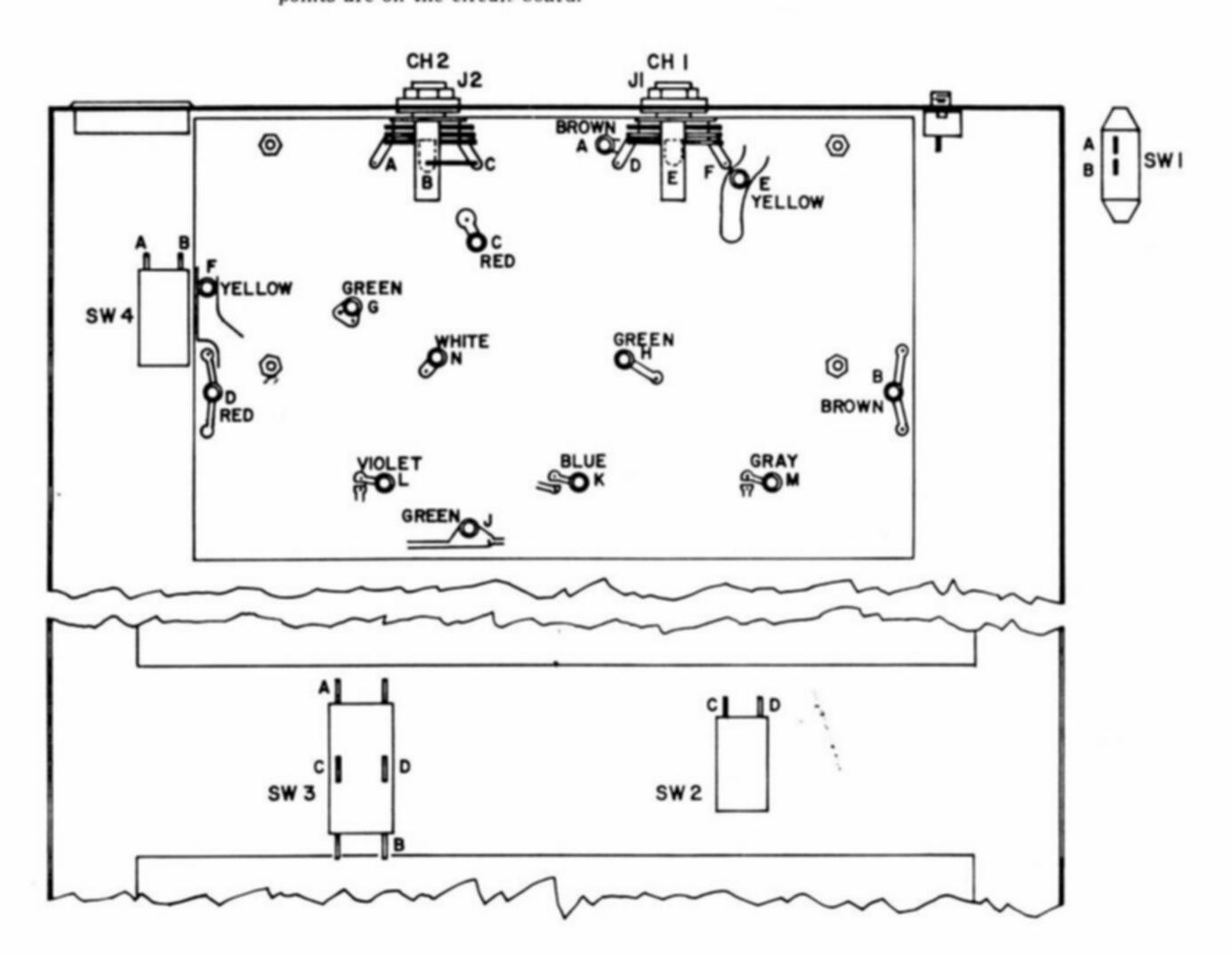
When the combo pre-amp III is used with a LESLIE speaker model which accommodates single-channel input, only channel 1 is picked up at the input (P1) of the cabinet. Therefore the combo pre-amp III should always be used in the MONO-MIX configuration when it is connected to such a speaker.

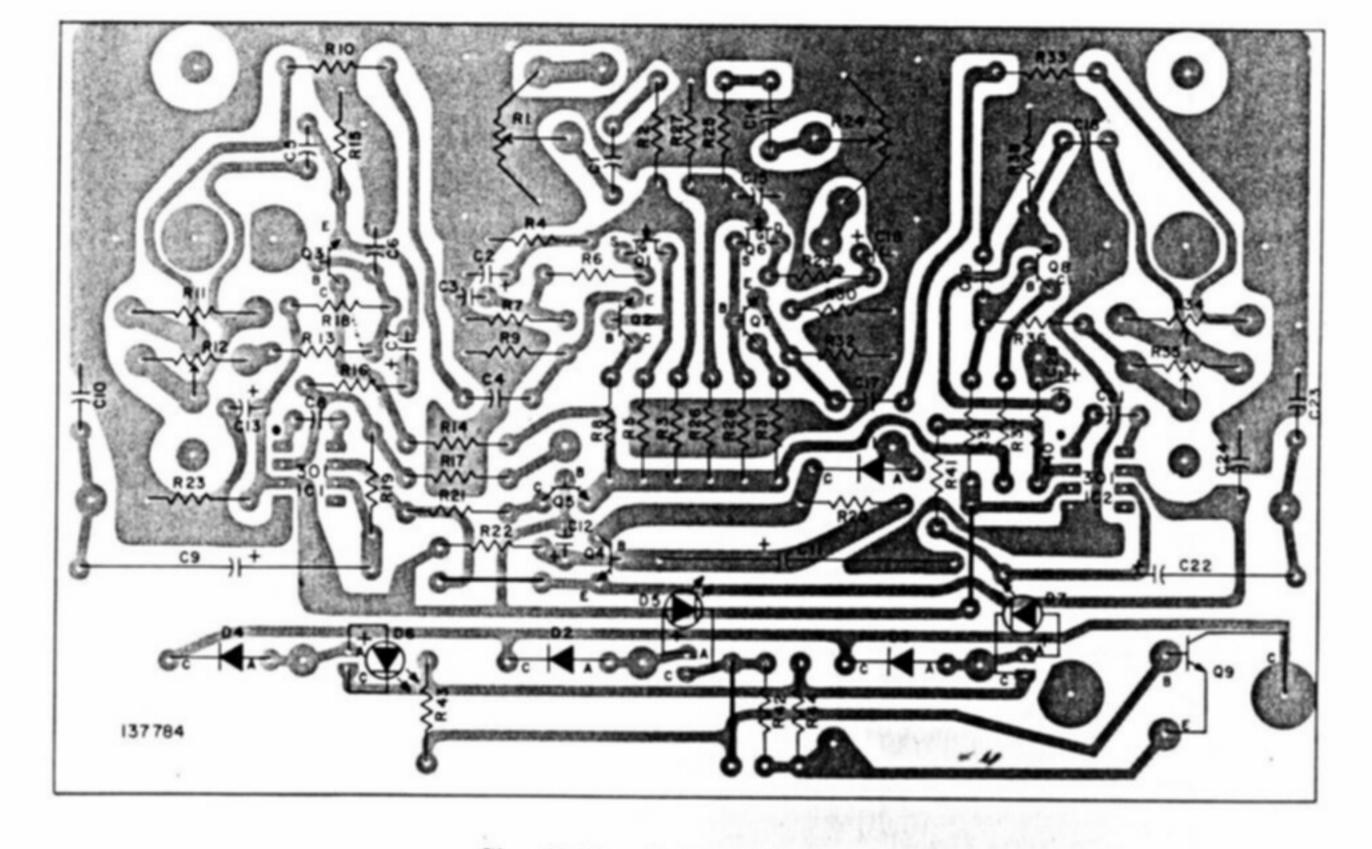
 To stop the operation of the LESLIE speaker motors press the left and right foot switches until both the SLOW and FAST indicators go out.

WIRE LIST*

FROM	COLOR	то
point B	brown	socket, pin 1
point D	red	socket, pin 2
point F	yellow	socket, pin 4
	(jui	mpered from 4 to 3)
point K	blue	socket, pin 6
point N	white	socket, pin 11
SW1, A	green	point G
SW1, B	green	point H
SW2, C	gray	SW3, B
SW2, D	gray	point M
SW3, A	violet	point L
SW3, B	gray	SW2, point C
SW3, C	violet	socket, pin 7
SW3, D	gray	socket, pin 8
SW4, A	green	point J
SW4, B	green	socket, pin 5
J1, D	brown	point A
J1, E	yellow	J1, F
J1, F	yellow	point E
J2, A	red	point C
J2, B	bare	J2, C

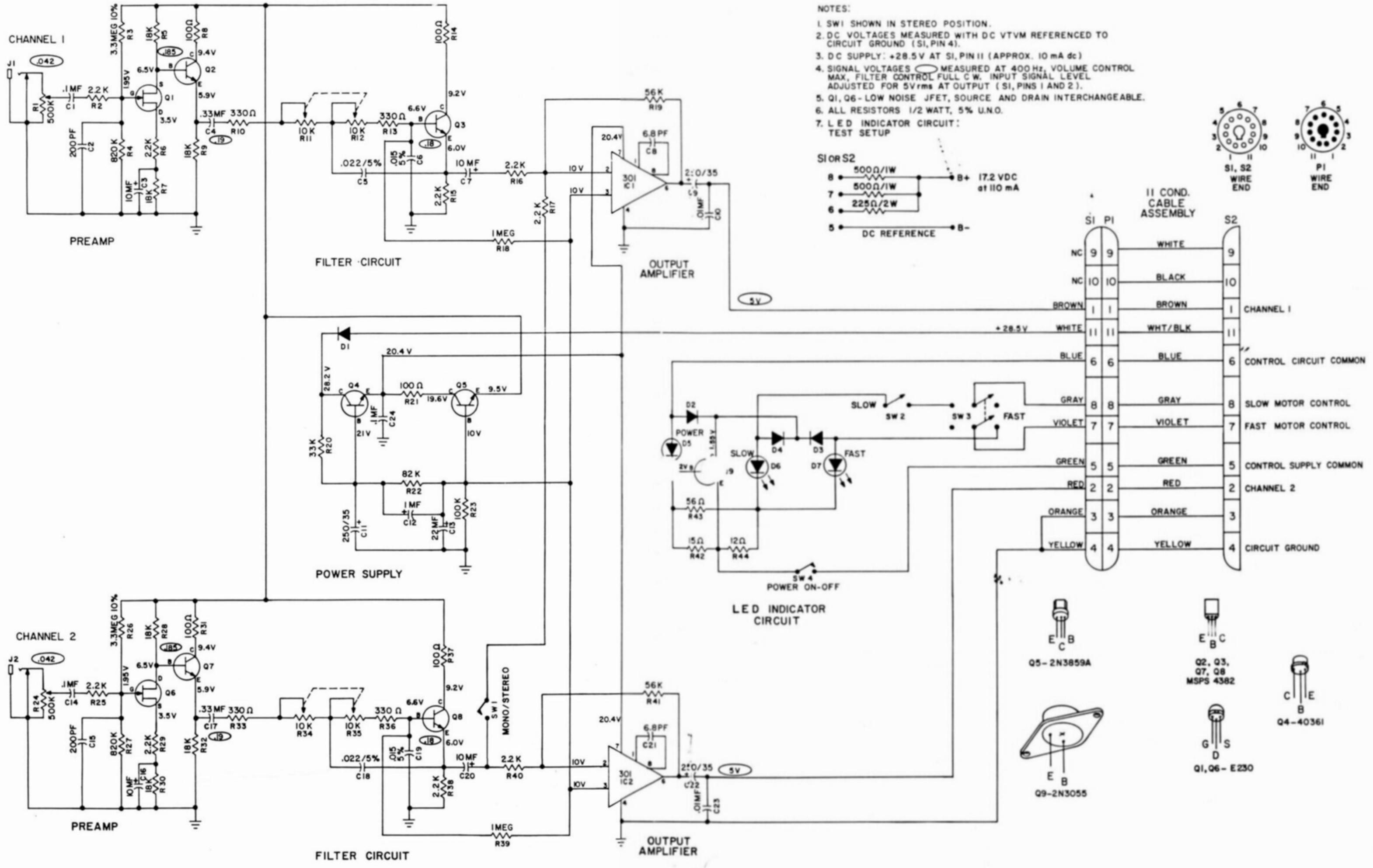
*Where no item is listed (only point designation) the points are on the circuit board.





Circuit Board Assembly 137785

C1 Capacitor, disc, 200pF, 1000VDC C2 Capacitor, disc, 200pF, 1000VDC C3 Capacitor, disc, 200pF, 1000VDC C4 Capacitor, polyester, 0.33 mfd, 200VDC C5 Capacitor, mylar, 0.15 mfd, 100VDC C6 Capacitor, disc, 6.8pF, 1000VDC C7 Capacitor, disc, 6.8pF, 1000VDC C9 Capacitor, disc, 0.1 mfd, 16VDC C11 Capacitor, disc, 0.1 mfd, 16VDC C12 Capacitor, disc, 0.1 mfd, 100VDC C13 Capacitor, disc, 0.1 mfd, 16VDC C12 Capacitor, disc, 0.1 mfd, 16VDC C13 Capacitor, disc, 0.1 mfd, 16VDC C14 Capacitor, disc, 0.1 mfd, 16VDC C15 Capacitor, disc, 0.1 mfd, 100VDC C16 Capacitor, disc, 0.1 mfd, 0.00VDC C17 Capacitor, disc, 200PF, 1000VDC C16 Capacitor, disc, 200PF, 1000VDC C17 Capacitor, disc, 200PF, 1000VDC C18 Capacitor, disc, 200PF, 1000VDC C19 Capacitor, mylar, 0.22 mfd, 100VDC 137750 R2 R20 C22 Capacitor, disc, 0.1 mfd, 100VDC 137750 R3VDC C24 Capacitor, mylar, 0.25 mfd, 100VDC 137750 R3VDC C25 Capacitor, disc, 6.8pF, 1000VDC C25 Capacitor, disc, 6.8pF, 1000VDC C25 Capacitor, disc, 0.1 mfd, 100VDC 137750 R7 R22 R25 R25 R25 R25 R25 R25 R25 R25 R25	Part No.	Description	Reference Designation	Part No.	Description	Reference Designation	
C2			D1		Capacitor, polyester, 0.1 mfd.	C1	
C2 Capacitor, disc, 200pF, 1000VDC C3 Capacitor, part and part of the composition of the	020370			022251	200VDC		
C3 Capacitor, antalum, 10 mfd, 16VDC C5 Capacitor, mylar, .022 mfd, 100VDC C6 Capacitor, mylar, .015 mfd, 100VDC C7 Capacitor, implar, .015 mfd, 100VDC C8 Capacitor, disc, .63pF, 1000VDC C9 Capacitor, electrolytic, 250 mfd, 35VDC C10 Capacitor, tantalum, 10 mfd, 15VDC C11 Capacitor, tantalum, 12 mfd, 15VDC C12 Capacitor, disc, .01 mfd, 100VDC C13 Capacitor, clantalum, 12 mfd, 15VDC C14 Capacitor, disc, .01 mfd, 100VDC C15 Capacitor, disc, .01 mfd, 16VDC C16 Capacitor, disc, .01 mfd, 100VDC C17 Capacitor, by a complex com	137758	Resistor, 2.2K, 1/2W, 5%			Capacitor, disc. 200pF, 1000VDC	C2	
C4 Capacitor, polyester, 0.33 mfd, 200VDC C5 Capacitor, mylar, .022 mfd, 100VDC 137750 R6 Resistor, 22M, 1/2W, 5% Resistor, 23M, 1/2W, 5% Resistor, 13M, 1/2W, 5% Resistor, 13	137760	Resistor, 3.3-meg, 1/2W, 10%	R3	041707	Capacitor, tantalum, 10 mfd 16VDC		
C5 Capacitor, mylar, .022 mfd, 100VDC 1377551 R6 Resistor, 18K, 1/2W, 5% Resistor, 18K, 1/2W, 5% Resistor, 22K, 1/2W, 5% Resistor, 23k, 1/2W, 5% Resistor, 22k, 1/2W, 5% Resis	118120)	(alternate part		041101	Capacitor polyester 0.33 mfd		
C5 Capacitor, mylar, .022 mfd, 100VDC 137755 R5 R6 Resistor, 12K, 1/2W, 5% R6 Capacitor, tantalum, 10 mfd, 16VDC 041707 R8 R6 Resistor, 12K, 1/2W, 5% R6 Resistor, 12K, 1/2W, 5% R7 R7 R8 R6 Capacitor, disc, 6.8pF, 1000VDC 118140 R9 R9 R9 R910 R910 R910 R910 R910 R910	137759	Resistor, 820K, 1/2W, 5%	R4	100000	200VDC	••	
Capacitor, mylar, .015 mfd, 100VDC 137756 R7 R7 Capacitor, tantalum, 10 mfd, 16VDC 041707 R8 R7 C8 Capacitor, disc, .01 mfd, 100VDC 138140 R9 R8 Resistor, 12K, 1/2W, 5% R8	137761	Resistor, 18K, 1/2W, 5%				CE	
C7 Capacitor, tantalum, 10 mfd, 16VDC 041707 C8 Capacitor, disc, 6.8pF, 1000VDC 118140 C9 Capacitor, electrolytic, 250 mfd, 1000VDC 118140 C10 Capacitor, electrolytic, 250 mfd, 1000VDC 12000000000000000000000000000000000000	137758	Resistor 29K 1/9W 50				Co	
C39		Register 18K 1/2W 50		137750	Capacitor, mylar, .015 mfd, 100VDC	Co	
C39	137761	Perinter 100 chm 1/0W For		041707		C7	
C39 Capacitor, electrolytic, 250 mfd, 35VDC C10 Capacitor, disc, .01 mfd, 1000VDC C11 Capacitor, electrolytic, 250 mfd, 35VDC C12 Capacitor, tantalum, 1 mfd, 35VDC C13 Capacitor, tantalum, 22 mfd, 15VDC C14 Capacitor, polyester, 0.1 mfd, 200VDC C15 Capacitor, tantalum, 10 mfd, 16VDC C16 Capacitor, tantalum, 10 mfd, 16VDC C17 Capacitor, tantalum, 10 mfd, 16VDC C18 Capacitor, tantalum, 10 mfd, 16VDC C19 Capacitor, mylar, .022 mfd, 100VDC C19 Capacitor, mylar, .012 mfd, 100VDC C19 Capacitor, mylar, .012 mfd, 100VDC C20 Capacitor, electrolytic, 250 mfd, 35VDC C21 Capacitor, electrolytic, 250 mfd, .35VDC C22 Capacitor, electrolytic, 250 mfd, .35VDC C23 Capacitor, polyester, 0.1 mfd, .200VDC C24 Capacitor, polyester, 0.1 mfd, .200VDC C25 Capacitor, electrolytic, 250 mfd, .35VDC C26 Capacitor, polyester, 0.1 mfd, .200VDC C27 Capacitor, polyester, 0.1 mfd, .200VDC C28 Capacitor, electrolytic, .250 mfd, .35VDC C29 Capacitor, by a complete comp	137762			118140	Capacitor, disc, 6.8pF, 1000VDC	C8	
Sovering Color Capacitor, disc. 0.1 mfd, 1000VDC 1000VDC 137751 Capacitor, disc. 0.20 mfd, 100VDC 137751 Capacitor, disc. 0.30 mfd,	137761	Resistor, 18K, 1/2W, 5%			Capacitor, electrolytic, 250 mfd.	C9	
C10 Capacitor, disc, .01 mfd, 1000VDC C12 Capacitor, electrolytic, 250 mfd, 35VDC C23 Capacitor, tantalum, 10 mfd, 16VDC C16 Capacitor, tantalum, 10 mfd, 16VDC C17 Capacitor, tantalum, 10 mfd, 16VDC C18 Capacitor, tantalum, 10 mfd, 16VDC C19 C20 Capacitor, mylar, .015 mfd, 100VDC C19 C22 Capacitor, tantalum, 10 mfd, 16VDC C23 Capacitor, tantalum, 10 mfd, 16VDC C24 Capacitor, mylar, .015 mfd, 100VDC C25 Capacitor, tantalum, 10 mfd, 16VDC C25 Capacitor, mylar, .015 mfd, 100VDC C25 Capacitor, tantalum, 10 mfd, 16VDC C25 Capacitor, tantalum, 10 mfd, 1000VDC C25 Capacitor, tantalum, 10 mfd,	137763	Resistor, 330-ohm, 1/2W, 5%		065086	35VDC		
C11 Capacitor, electrolytic, 250 mfd, 35VDC C12 Capacitor, tantalum, 1 mfd, 35VDC C13 Capacitor, tantalum, 22 mfd, 15VDC C14 Capacitor, polyester, 0.1 mfd, 200VDC C15 Capacitor, tantalum, 10 mfd, 16VDC C16 Capacitor, tantalum, 10 mfd, 16VDC C17 Capacitor, polyester, 0.33 mfd, 200VDC C18 Capacitor, mylar, .022 mfd, 100VDC C18 Capacitor, mylar, .022 mfd, 100VDC C19 Capacitor, mylar, .015 mfd, 100VDC C19 Capacitor, disc, 6.8pF, 1000VDC C20 Capacitor, disc, 6.8pF, 1000VDC C21 Capacitor, electrolytic, 250 mfd, 35VDC C22 Capacitor, electrolytic, 250 mfd, 200VDC C23 Capacitor, electrolytic, 250 mfd, 200VDC C24 Capacitor, bolyester, 0.1 mfd, 22251 C25 Capacitor, disc, .01 mfd, 1000VDC C26 Capacitor, electrolytic, 250 mfd, 200VDC C27 Capacitor, bolyester, 0.1 mfd, 202251 C28 Capacitor, bolyester, 0.1 mfd, 202251 C29 Capacitor, bolyester, 0.1 mfd, 202251 C24 Capacitor, bolyester, 0.1 mfd, 22251 C25 Capacitor, bolyester, 0.1 mfd, 22251 C26 Capacitor, bolyester, 0.1 mfd, 22251 C27 Capacitor, bolyester, 0.1 mfd, 22251 C28 Capacitor, bolyester, 0.1 mfd, 22251 C29 Capacitor, bolyester, 0.1 mfd, 22251	137752	Potentiometer, dual, 10K			Capacitor, disc. 01 mfd 1000VDC	C10	
C12 Capacitor, tantalum, 2 mfd, 35VDC C13 Capacitor, tantalum, 22 mfd, 15VDC C14 Capacitor, disc, 200FF, 1000VDC C15 Capacitor, disc, 200FF, 1000VDC C16 Capacitor, polyester, 0.1 mfd, 200VDC C17 Capacitor, polyester, 0.33 mfd, 200VDC C18 Capacitor, mylar, .015 mfd, 100VDC C19 Capacitor, mylar, .015 mfd, 100VDC C20 Capacitor, disc, 6.8pF, 1000VDC C21 Capacitor, disc, 6.8pF, 1000VDC C22 Capacitor, disc, 6.8pF, 1000VDC C23 Capacitor, disc, 6.9pF, 1000VDC C24 Capacitor, disc, 0.1 mfd, 100VDC C25 Capacitor, disc, 0.1 mfd, 100VDC C26 Capacitor, disc, 0.1 mfd, 100VDC C27 Capacitor, disc, 0.1 mfd, 100VDC C28 Capacitor, disc, 0.1 mfd, 100VDC C29 Capacitor, disc, 0.1 mfd, 100VDC C20 Capacitor, disc, 0.1 mfd, 100VDC C21 Capacitor, disc, 0.1 mfd, 100VDC C22 Capacitor, disc, 0.1 mfd, 100VDC C23 Capacitor, disc, 0.1 mfd, 100VDC C24 Capacitor, polyester, 0.1 mfd, 200VDC C25 Capacitor, disc, 0.1 mfd, 100VDC C26 Capacitor, disc, 0.1 mfd, 1000VDC C27 Capacitor, disc, 0.1 mfd, 1000VDC C28 Capacitor, disc, 0.1 mfd, 1000VDC C29 Capacitor, disc, 0.1 mfd, 1000VDC C29 Capacitor, disc, 0.1 mfd, 1000VDC C29 Capacitor, disc, 0.1 mfd, 1000VDC C20 Capacitor, disc, 0.1 mfd, 1000VDC C21 Capacitor, disc, 0.1 mfd, 1000VDC C22 Capacitor, disc, 0.1 mfd, 1000VDC C20 Capacitor, disc, 0.1 mfd, 1000VDC C	137763	Resistor, 330-ohm, 1/2W, 5%		000401			
C12 Capacitor, tantalum, 1 mfd, 35VDC C13 Capacitor, tantalum, 22 mfd, 15VDC C14 Capacitor, polyester, 0.1 mfd,	137762	Resistor, 100-ohm, 1/2W, 5%	R14	005000	35VDC		
C13 Capacitor, tantalum, 22 mfd, 15VDC C14 Capacitor, polyester, 0.1 mfd,	137758		R15 th R17			C12	
C14 Capacitor, polyester, 0.1 mfd, 2200 PF, 1000 VDC 023622 R21 R21 Capacitor, tantalum, 10 mfd, 16 VDC 023622 R22 R22 R23 R23 R24 R25 R25 R26 R27 R27 R28 R27 R28 R28 R29	137764		R18 -4	067538	Capacitor, tantalum, 1 mid, 35VDC		
Capacitor, disc, 200pF, 1000VDC O23622 R21 R20 Resistor, 33K, 1/2W, 5% Resistor, 100-ohm, 1/2W, 5% Resistor, 22K, 1/2W, 5% Resistor, 100-ohm, 1/2W, 5% Resistor, 100-ohm	137766			062638	Capacitor, tantalum, 22 mfd, 15VDC		
C15 Capacitor, disc, 200pF, 1000VDC O23622 R21 R21 Resistor, 100-ohm, 1/2W, 5% C16 Capacitor, polyester, 0.33 mfd, 200VDC C17 Capacitor, polyester, 0.33 mfd, 200VDC C18 Capacitor, mylar, .022 mfd, 100VDC C19 Capacitor, tantalum, 10 mfd, 16VDC C20 Capacitor, tantalum, 10 mfd, 16VDC C20 Capacitor, tantalum, 10 mfd, 16VDC C21 Capacitor, disc, 6.8pF, 1000VDC C22 Capacitor, electrolytic, 250 mfd, 35VDC C24 Capacitor, disc, .01 mfd, 1000VDC C24 Capacitor, polyester, 0.1 mfd, 200VDC C25 Capacitor, polyester, 0.1 mfd, 200VDC C24 Capacitor, disc, .01 mfd, 1000VDC C25 Capacitor, polyester, 0.1 mfd, 200VDC C25 Capacitor, polyester, 0.1 mfd, 200VDC C25 Capacitor, polyester, 0.1 mfd, 200VDC C26 Capacitor, polyester, 0.1 mfd, 200VDC C27 Capacitor, polyester, 0.1 mfd, 200VDC C28 Capacitor, polyester, 0.1 mfd, 200VDC C29 Capacitor,					Capacitor, polyester, 0.1 mfd,	C14	
C16 Capacitor, tantalum, 10 mfd, 16VDC C17 Capacitor, polyester, 0.33 mfd,	137767			022251			
C16 Capacitor, tantalum, 10 mfd, 16VDC 041707 C20 Capacitor, mylar, .022 mfd, 100VDC 137751 R25 R25 Resistor, 2.2K, 1/2W, 5% C20 Capacitor, mylar, .015 mfd, 100VDC 137750 C21 Capacitor, disc, 6.8pF, 1000VDC C22 Capacitor, electrolytic, 250 mfd, 35VDC C3 Capacitor, polyester, 0.1 mfd, 200VDC C24 Capacitor, polyester, 0.1 mfd, 200VDC C25 Capacitor, below controlled by the control of the control	137762			023622	Capacitor, disc, 200pF, 1000VDC		
C17 Capacitor, polyester, 0.33 mfd, 200VDC C18 Capacitor, mylar, .022 mfd, 100VDC 137751 C19 Capacitor, mylar, .015 mfd, 100VDC 137750 C20 Capacitor, tantalum, 10 mfd, 16VDC C21 Capacitor, disc, 6.8pF, 1000VDC 118140 C22 Capacitor, electrolytic, 250 mfd, 35VDC C23 Capacitor, disc, .01 mfd, 1000VDC C24 C24 Capacitor, bolta, 1000VDC C250 C25 Capacitor, disc, .01 mfd, 1000VDC C260 C26 Capacitor, disc, .01 mfd, 1000VDC C27 C27 Capacitor, bolta, 100N, 10N, 1	137816			-	Capacitor, tantalum, 10 mfd, 16VDC		
C18	137765					C17	
C18	020370			137986	200VDC		
Capacitor, mylar, .015 mfd, 100VDC 137750 Capacitor, tantalum, 10 mfd, 16VDC C21 Capacitor, disc, 6.8pF, 1000VDC C22 Capacitor, electrolytic, 250 mfd, 35VDC C23 Capacitor, polyester, 0.1 mfd, 1000VDC C24 Capacitor, polyester, 0.1 mfd, 200VDC C25 Capacitor, polyester, 0.1 mfd, 200VDC C26 Capacitor, polyester, 0.1 mfd, 200VDC C27 Capacitor, polyester, 0.1 mfd, 200VDC C28 Capacitor, polyester, 0.1 mfd, 200VDC C29 Capacitor, polyester, 0.1 mfd, 200VDC C29 Capacitor, polyester, 0.1 mfd, 200VDC C20 Capacitor, polyester, 0.1 mfd, 200VDC C20 Capacitor, polyester, 0.1 mfd, 200VDC C21 Capacitor, disc, .01 mfd, 1000VDC C22 Capacitor, disc, .01 mfd, 1000VDC C23 Capacitor, disc, .01 mfd, 1000VDC C24 Capacitor, polyester, 0.1 mfd, 200VDC C25 Capacitor, disc, .01 mfd, 1000VDC C26 Capacitor, disc, .01 mfd, 1000VDC C27 Capacitor, disc, .01 mfd, 1000VDC C28 Capacitor, disc, .01 mfd, 1000VDC C29 Capacitor, disc, .02 mfd, 200VDC C29 Capacitor, 200VDC C29 Capacitor, 200VDC C20 Capacitor, 200VDC C20 Capacitor, 200VDC C21 Capacitor, 200VDC C22 Capacitor, 200VDC C23 Capacitor, 200VDC C24 Capacitor, 200VDC C25 Capacitor, 200VDC C26508 R29 Capacitor, 18K, 1/2W, 5% Capacitor, 100VDC C28 Resistor, 12 nlw, 1/2W, 5% C29 Capacitor, 201 mfd, 1000VDC C29 Capacitor, 201 mfd, 200VDC C29 Capacitor, 201 mfd, 200VDC C29 Capacitor, 201 mfd, 200VDC C21 Capacitor, 201 mfd, 200VDC C22 Capacitor, 201 mfd, 200VDC C23 Capacitor, 201 mfd, 200VDC C24 Capacitor, 201 mfd, 200VDC C24 Capacitor, 201 mfd, 200VDC C25 Capacitor, 201 mfd, 200VDC C26 R30 Resistor, 18K, 1/2W, 5% Capacitor, 200VDC C29 Capacitor, 200VDC C20 Capacitor, 200VDC C20 Capacitor, 200VDC C20 Ca	137758	Resistor, 2.2K, 1/2W, 5%			_	C18	
C20 Capacitor, tantalum, 10 mfd, 16VDC O41707 C21 Capacitor, disc, 6.8pF, 1000VDC C22 Capacitor, electrolytic, 250 mfd,	137760	Resistor, 3.3-meg, 1/2W, 10%	R26	107751	Capacitor mylar 015 med 100VDC		
C21 Capacitor, disc, 6.8pF, 1000VDC C22 Capacitor, electrolytic, 250 mfd,	118120)	(alternate part			Capacitor, inylar, .013 mid, 100VDC		
C22 Capacitor, electrolytic, 250 mfd, 35VDC C23 Capacitor, disc, .01 mfd, 1000VDC C24 Capacitor, polyester, 0.1 mfd, 200VDC C35 Capacitor, polyester, 0.1 mfd, 200VDC C36 Capacitor, polyester, 0.1 mfd, 200VDC C37 Capacitor, polyester, 0.1 mfd, 200VDC C38 Capacitor, polyester, 0.1 mfd, 200VDC C49 Capacitor, polyester, 0.1 mfd, 200VDC C59 CAPACITOR, polyester, 0.1 mfd, 200VDC C59 CAPACITOR, polyester, 0.1 mfd, 200VDC C50 CAPACITOR, polyester, 0.1 mfd, 200VDC C60 CAPACITOR, polyester, 0.1 mfd, 200VDC C70 CAPACITOR, 200VDC	137759	Resistor, 820K, 1/2W, 5%	R27		Capacitor, dantalum, 10 mid, 16VDC		
Solution	137761	Resistor, 18K 1/9W 5%		118140	Capacitor, disc, 6.8pr, 1000 VDC	C22	
C23		Resistor 22K 1/2W 50			Capacitor, electrolytic, 250 mfd,	022	
C24 Capacitor, polyester, 0.1 mfd, 200VDC	137758			065086			
Discription	137761			060467	Capacitor, disc, .01 mfd, 1000VDC	C23	
D1 th D4 Diode, 100 PIV, 1 amp Diode, light-emitting Diode, light-	137762	Resistor, 100-ohm, 1/2W, 5%			Capacitor, polyester, 0.1 mfd,	C24	
D1 th D4	137761	Resistor, 18K, 1/2W, 5%		022251	200VDC		
D5 th D7 Diode, light-emitting 104680 R36 Resistor, 330-ohm, 1/2W, 5% IC1, IC2 Integrated Circuit, OP-AMP 301 118040 R37 Resistor, 100-ohm, 1/2W, 5% Socket, integrated circuit 128010 R38 Resistor, 2.2K, 1/2W, 5% IC1, IC2 Integrated Circuit 128010 R38 Resistor, 2.2K, 1/2W, 5% IC1, IC2 IC2, IC2, IC2, IC2, IC2, IC2, IC2, IC2,	137763	Resistor, 330-ohm, 1/2W, 5%					
Diode, light-emitting 104680 R36 Resistor, 330-ohm, 1/2W, 5% IC1, IC2 Integrated Circuit, OP-AMP 301 118040 R37 Resistor, 100-ohm, 1/2W, 5% Socket, integrated circuit 128010 R38 Resistor, 2.2K, 1/2W, 5% R29	137752	Potentiometer, dual, 10K		021154	Diode, 100 PIV, 1 amp		
IC1, IC2	137763	Resistor, 330-ohm, 1/2W, 5%	R36			D5 th D7	
Socket, integrated circuit Q1 Transistor, field effect Q2, Q3 Transistor, MSPS 4382 Q4 Transistor, RCA 40361 Q5 Transistor, 2N3859A Q6 Transistor, field effect Q7, Q8 Transistor, MSPS 4382 Q9 Transistor, 2N3055 Q9 Transistor, 2N3055 Q6 Transistor, MSPS 4382 Q6 Transistor, MSPS 4382 Q6 Transistor, MSPS 4382 Q7, Q8 Transistor, MSPS 4382 Q8 Transistor, MSPS 4382 Q9 Transistor, 2N3055 Q8 Transistor, 2N3055 Q8 Transistor, 2N3055 Q9 Transistor, 2N3055 Q8 Transistor, 2N3055 Q8 Transistor, 2N3055 Q8 Transistor, 2N3055 Q8 Transistor, 2N3055 Q9 Transistor, 2N3055	137762	Resistor, 100-ohm, 1/2W, 5%	R37			IC1, IC2	
Q1 Transistor, field effect 137704 R39 Resistor, 1-meg, 1/2W, 5% Q2, Q3 Transistor, MSPS 4382 026237 R40 Resistor, 2.2K, 1/2W, 5% Q4 Transistor, RCA 40361 018077 R41 Resistor, 56K, 1/2W, 5% Q5 Transistor, 2N3859A 061366 R42 Resistor, 15-ohm, 1/2W, 5% Q6 Transistor, field effect 137704 (alternate part Q7, Q8 Transistor, MSPS 4382 026237 R43 Resistor, 56-ohm, 1/2W, 5% Q9 Transistor, 2N3055 023762 R44 Resistor, 12-ohm, 1/2W, 5%	137758	Resistor, 2.2K, 1/2W, 5%					
Q2, Q3 Transistor, MSPS 4382 026237 R40 Resistor, 2.2K, 1/2W, 5% Q4 Transistor, RCA 40361 018077 R41 Resistor, 56K, 1/2W, 5% Q5 Transistor, 2N3859A 061366 R42 Resistor, 15-ohm, 1/2W, 5% Q6 Transistor, field effect 137704 (alternate part Q7, Q8 Transistor, MSPS 4382 026237 R43 Resistor, 56-ohm, 1/2W, 5% Q9 Transistor, 2N3055 023762 R44 Resistor, 12-ohm, 1/2W, 5%	137764	Resistor, 1-meg 1/9W 50%				01	
		Register 2 9K 1/9W 50%				02 03	
	137758	Posiston FCV 1/OW FC				04, 40	
	137766					0.5	
	137826		142			06	
	018051)		- 15559			05 00	
	137827	Resistor, 56-ohm, 1/2W, 5%				Q7, Q8	
	137825	Resistor, 12-ohm, 1/2W, 5%	R44	023762	Transistor, 2N3055	Q9	
Myonica Oncare Doute	137784	Etched Circuit Board					



LIMITED WARRANTY

The equipment is warranted for a period of one year from the date of the original sale, under normal use and service, against defects in materials and workmanship. Fuses are warranted for ninety days from the date of the original sale. Any implied warranties are limited to the period of the express warranty. This warranty becomes fully effective when the registration card has been properly completed and mailed to Electro Music within 14 days of purchase.

Defective parts will be repaired or replaced, through an authorized Leslie speaker dealer, authorized service technician, or factory service center, within one year of the date of original sale. Labor and transportation charges are not included in this warranty.

The warranty is void if the equipment has been visibly damaged by accident or misuse, or if it has been serviced by any person other than an authorized Leslie speaker dealer, authorized service technician, or the factory service center.