

0	3/12/01	CONTROL ISSUE																																																				
A	9/19/00	INITIAL ISSUE																																																				
Rev.	Date	DESC.	ECR(s)/ECN(s)	Chgd by	Appvd by	DATE																																																
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO																																																						
ST. LOUIS MUSIC, INC.																																																						
		<table border="1"> <tr> <td colspan="2">Signatures:</td> <td colspan="2">Date:</td> <td colspan="2">SLM Electronics</td> </tr> <tr> <td colspan="2">Drawn: WFB</td> <td colspan="2">9/19/00</td> <td colspan="2">11880 Borman Drive, St. Louis, MO 63146</td> </tr> <tr> <td colspan="2">Checked:</td> <td colspan="2"></td> <td colspan="2">First Used On: CA125Dd</td> </tr> <tr> <td colspan="2">Released:</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Tolerance:</td> <td colspan="2">Drawing Size: A</td> <td colspan="2">Drawing Title: GUITAR COMBO AMP</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Drawing Type: PL</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Class Code:</td> <td colspan="2">Drawing No.: 07-551-PL</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Scale: N/A</td> <td colspan="2"></td> </tr> </table>					Signatures:		Date:		SLM Electronics		Drawn: WFB		9/19/00		11880 Borman Drive, St. Louis, MO 63146		Checked:				First Used On: CA125Dd		Released:						Tolerance:		Drawing Size: A		Drawing Title: GUITAR COMBO AMP				Drawing Type: PL						Class Code:		Drawing No.: 07-551-PL				Scale: N/A			
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ASSEMBLY PART #

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ITEM	QTY	REFDES	P/N	DESC	LABLE
1	1	PWB1	06A551-01	CA125 PREAMP	
2	5	C51	10A101-21	100 pF 200V 10% NPO	
		C52			
		C56			
		C57			
		C80			
3	5	C83	10A102-11	.001 uF 100V 10% X7R	
		C97			
		C103			
		C104			
		C105			
4	1	C82	10A103-11	.01 uF 100V 10% X7R	
5	12	C16	10A104-01	.1 uF 50V 10% X7R	
		C19			
		C20			
		C63			
		C64			
		C66			
		C67			
		C70			
		C88			
		C90			
		C98			
		C99			
6	2	C12	10A222-11	.0022uF 100V 10% NPO	
		C79			
7	2	C4	10A223-01	.022 uF 50V 10% X7R	
		C5			
8	3	C81	10A330-21	33 pF 200V 10% NPO	
		C84			
		C100			
9	3	C69	10A331-11	330 pF 100V 10% NPO	
		C76			
		C93			
10	1	C9	10A333-01	.033 uF 50V 10% X7R	
11	1	C11	10A472-11	.0047 uF 100V 10% X7R	
12	7	C8	10A473-11	.047 uF 100V 10% X7R	
		C14			
		C21			
		C68			
		C78			
		C91			
		C92			
13	7	C1	10A560-21	56 pF 200V 5% NPO	
		C3			
		C13			
		C48			
		C54			
		C59			

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		C77			
14	3	C2	10A682-01	.0068 uF 100V 10% X7R	
		C10			
		C102			
15	2	C85	12R105-50	1 uF 50V 20% EL	
		C86			
16	16	C6	12R106-35	10 uF 35V 20% EL	
		C15			
		C17			
		C18			
		C49			
		C50			
		C53			
		C55			
		C58			
		C60			
		C61			
		C62			
		C71			
		C87			
		C89			
		C101			
17	2	C34	12R225-50	2.2 uF 50V 20% EL	
		C65			
18	3	C29	12R225-51	2.2 uF 50V 20% EL NP	
		C47			
		C75			
19	1	C106	12R226-16	22 uF 16V 20% EL	
20	1	C7	12R226-32	22 uF 35V 20% EL	
21	2	C94	12R476-62	47 uF 63V 20% EL	
		C95			
22	1	J17	17-102-02	.1 ST POL MLSS100-2-C HEADER	
23	3	J25	17-105-02	.1 ST POL LOCK MTSS100-2 HEADER	
		J26			
		J27			
24	1	J16	17-105-06	.1 ST POL LOCK MTSS100-6 HEADER	
25	1	J15	17-108-04	.08 VERT 52007-0410 MOLEX HEADER	
26	3	J12	17-310-10	.156 ST POL MFSS156-10-D HEADER	
		J13			
		J14			
27	2	J10	17-310-13	.156 ST POL MFSS156-13-D HEADER	
		J11			
28	2	J23	17-500-01	LUG CONNECT 693-144	
		J24			
29	2	D29	21-117-01	RED LED T-1 3/4 MED PROFILE	
		D30			
30	1	D9	21-501-01	RED LED ASSY, HI EFF.	
31	1	D5	21A443-01	13V 1W ZENER 10 ohm Zz	
32	1	D4	21A754-01	6.8V .5W ZENER 5 ohm Zz	
33	24	D1	21A914-01	75V PIV 10mA/1V .5W	

ITEM	QTY	REFDES	P/N	DESC	LABLE
		D2			
		D3			
		D7			
		D8			
		D10			
		D21			
		D22			
		D23			
		D24			
		D25			
		D26			
		D27			
		D28			
		D31			
		D32			
		D33			
		D34			
		D35			
		D36			
		D37			
		D38			
		D39			
		D40			
34	2	IC3	37-072-01	TLO-72CP DUAL OP-AMP	
		IC10			
35	4	IC2	37-074-01	TLO-74 QUAD OP-AMP	
		IC5			
		IC9			
		IC11			
36	1	IC1	37-532-01	NE5532(N/P) DUAL OP-AMP	
37	2	J1	39-116-01	T/S JACK HORIZ	INSTRUMENT CH
		J4			FX RETURN
38	2	J3	39-117-01	TRS JACK HORIZ	BAL. LINE OUT HI-Z
		J6			CHORUS/REV FSW
39	3	J5	39-117-51	T/R/S JACK W/GND WASHER	FX SEND
		J8			HI-Z INPUT
		J9			
40	1	J2	39-308-01	XLR MALE HORIZ MNT	BAL. LINE OUT LO-Z
41	1	J7	39-314-01	NOT FOR NEW DESIGN	LOW-Z INPUT
42	1	OC1	66-100-01	VTL-5C7 VACTROL	
43	5	P19	70-104-21	100K LINEAR 20MM SLIDER	100 HZ
		P20			4 KHZ
		P21			1 KHZ
		P22			330 HZ
		P23			10 KHZ
44	1	P6	70-104-26	100K REV AUDIO 15%@50% DUAL	FREQ
45	8	P8	70-132-01	10K LINEAR 30%@50% (10% TOL)	REV SEND
		P9			DEPTH
		P10			RATE
		P11			LINE OUT LEVEL

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		P13			REV/FX SEND
		P15			
		P16			REV RETURN
		P17			FX RETURN
46	4	P1	70-133-01	50K LINEAR 30%@50% (10% TOL)	GAIN
		P12			
		P14			
		P18			LEVEL
47	1	P4	70-306-01	250K LINEAR [10% TOL]	CONTOUR
48	1	P24	70-503-22	50K AUDIO 15%@50% (10% TOL)	TWEETER
49	1	P7	70-503-23	50K REV AUDIO [10% TOL]	CUT
50	3	P2	70-503-24	50K LINEAR W/DETENT [10% TOL]	LOW
		P3			MID
		P5			HIGH
51	81	JW1	76-000-05	22 GA TINNED COPPER	
		JW2			
		JW3			
		JW4			
		JW5			
		JW6			
		JW7			
		JW8			
		JW9			
		JW10			
		JW11			
		JW12			
		JW13			
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		JW32			
		JW33			
		JW34			
		JW35			
		JW36			
		JW40			

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ITEM	QTY	REFDES	P/N	DESC	LABLE
		JW43			
		JW44			
		JW45			
		JW46			
		JW47			
		JW48			
		JW49			
		JW50			
		JW51			
		JW52			
		JW53			
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		JW79			
		JW80			
		JW81			
		JW82			
		JW83			
		JW84			
		JW85			
		JW86			
		JW87			
		JW88			
52	9	R1	76-100-01	10 OHM .25W 5% RESISTOR	
		R38			
		R39			
		R84			
		R91			

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ITEM	QTY	REFDES	P/N	DESC	LABLE
		R92			
		R105			
		R145			
		R146			
53	2	R21	76-102-01	1K OHM .25W 5% RESISTOR	
		R156			
54	2	R150	76-102-02	1K OHM .25W 1% RESISTOR	
		R151			
55	20	R6	76-103-01	10K OHM .25W 5% RESISTOR	
		R8			
		R9			
		R10			
		R14			
		R18			
		R19			
		R27			
		R30			
		R42			
		R44			
		R90			
		R93			
		R95			
		R103			
		R104			
		R114			
		R135			
		R136			
		R160			
56	8	R82	76-103-02	10K OHM .25W 1% RESISTOR	
		R83			
		R85			
		R86			
		R107			
		R108			
		R109			
		R110			
57	2	R20	76-104-01	100K OHM .25W 5% RESISTOR	
		R33			
58	1	R35	76-105-01	1M OHM .25W 5% RESISTOR	
59	1	R37	76-152-01	1.5K OHM .25W 5% RESISTOR	
60	2	R2	76-153-01	15K OHM .25W 5% RESISTOR	
		R3			
61	2	R80	76-172-02	1.74K OHM .25W 1% RESISTOR	
		R81			
62	3	R154	76-221-01	220 OHM .25W 5% RESISTOR	
		R155			
		R164			
63	12	R12	76-222-01	2.2K OHM .25W 5% RESISTOR	
		R15			
		R16			

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ITEM	QTY	REFDES	P/N	DESC	LABE
		R17			
		R29			
		R87			
		R94			
		R111			
		R137			
		R141			
		R152			
		R153			
64	6	R23	76-223-01	22K OHM .25W 5% RESISTOR	
		R25			
		R26			
		R34			
		R69			
		R70			
65	1	R68	76-225-01	2.2M OHM .25W 5% RESISTOR	
66	1	R148	76-272-01	2.7K OHM .25W 5% RESISTOR	
67	1	R117	76-330-01	33 OHM .25W 5% RESISTOR	
68	5	R118	76-332-01	3.3K OHM .25W 5% RESISTOR	
		R123			
		R128			
		R130			
		R159			
69	8	R5	76-333-01	33K OHM .25W 5% RESISTOR	
		R28			
		R138			
		R139			
		R140			
		R142			
		R143			
		R144			
70	4	R11	76-471-01	470 OHM .25W 5% RESISTOR	
		R13			
		R116			
		R120			
71	8	R7	76-472-01	4.7K OHM .25W 5% RESISTOR	
		R32			
		R43			
		R65			
		R102			
		R122			
		R157			
		R158			
72	17	R22	76-473-01	47K OHM .25W 5% RESISTOR	
		R31			
		R40			
		R41			
		R88			
		R89			
		R96			

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ITEM	QTY	REFDES	P/N	DESC	LABLE
		R112			
		R113			
		R119			
		R121			
		R124			
		R126			
		R127			
		R131			
		R133			
		R134			
73	3	R4	76-474-01	470K OHM .25W 5% RESISTOR	
		R36			
		R161			
74	2	R165	76-512-02	5.11K OHM .25W 1% RESISTOR	
		R166			
75	1	R24	76-682-01	6.8K OHM .25W 5% RESISTOR	
76	3	R125	76-683-01	68K OHM .25W 5% RESISTOR	
		R129			
		R132			
77	1	R115	78-152-01	1.5K 1W 5%	
78	3	S1	88-302-03	MINI PCB DPDT W/1D911 BLACK	PIEZO/ACTIVE
		S2			CHORUS ON/OFF
		S4			GND LIFT
79	1	S3	88-602-16	16 POSITION ENCODER	REVERB MODE
80	1	Q1	96R013-01	MPSA13 NPN 30V 1.5W .5A DARLINGTON	
81	2	Q8	96R056-01	MPSA56 PNP -80V 1.5W -.5A	
		Q9			
82	2	Q6	96R112-01	J112 N-CH -35Vdg -5Vgs(off) 50ohmRdsON	
		Q7			
83	1	RC1	99-124-02	12 PIN 3 FLAT CABLE AMP# 1-86943-1"	