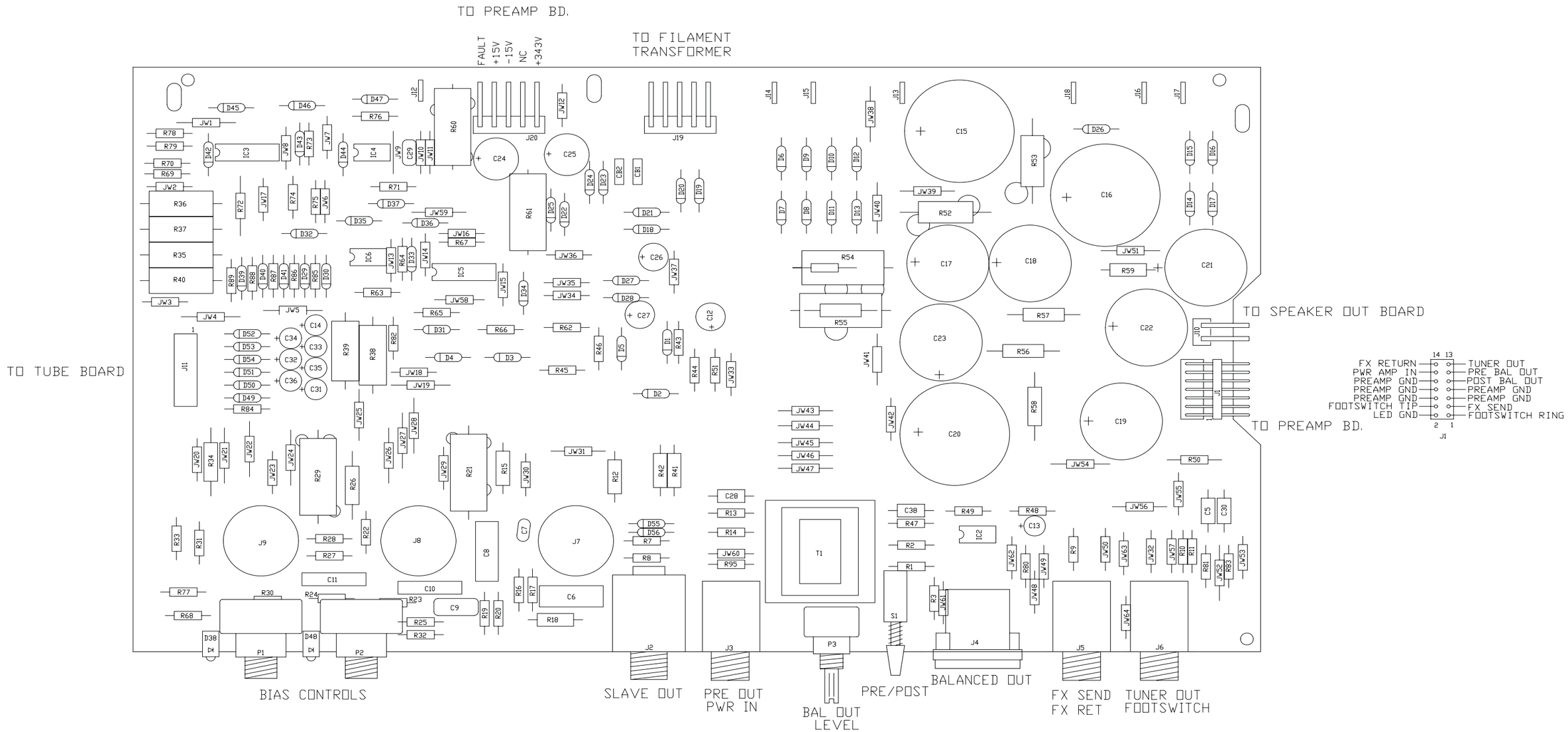


TO ADJUST BIAS:

ALLOW UNIT TO WARM UP FOR 20 MINUTES. ADJUST BIAS CONTROLS SO THAT ONLY THE GREEN LEDS ARE LIT. FOR UNMATCHED TUBES THIS CONDITION MAY NOT BE ABLE TO BE MET. IF SO ADJUST CONTROLS SO THAT ONLY THE RED LEDS ARE LIT. SEE THE OWNER'S MANUAL FOR TROUBLESHOOTING TIPS USING THE BIAS CONTROLS AND LEDS.

THIS DRAWING SUPERSEDES 07-419-03/11

PART NO. IS 07-419-04

REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHNG'D BY:	APPR'D BY:	DATE:
B	7-28-00	CHANGED PARTS LIST	D000685	RLB		
A	4-11-00	INITIAL ISSUE	D000624			

THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.

SIGNATURES:		DATE:
DRAWN:	RLB	12-22-99
CHK'D:		
RLS'D		

TOLERANCES:

DRAWING SIZE: C
DRAWING TYPE: ASSEMBLY
CLASS CODE:
SCALE: 1:1 SHEET: 1 OF 4

SLM Electronics
11880 Borman Dr.
St. Louis, Missouri
63146

FIRST USED ON: SVT-2PRO

DRAWING TITLE: PWA, POWER AMP

DRAWING NO.: 07-419-XX

DESIGNATOR	PART #	DESCRIPTION	
CB1	73-102-01	0.4A	THRMSTR
CB2	73-102-01	0.4A	THRMSTR
C5	10A473-11	0.047	100V
C6	10-104-10	0.1	400V
C7	10R500-02	50pf	500V
C8	10-104-10	0.1	400V
C9	10-104-21	0.1	200V
C10	10-473-10	0.047	400V
C11	10-473-10	0.047	400V
C12	12R227-12	220	16V
C13	12R106-35	10uF	35V
C14	12R105-50	1uF	50V
C15	12-107-30	100	450V
C16	12-107-30	100	450V
C17	12-476-42	47	450V
C18	12-476-42	47	450V
C19	12-476-42	47	450V
C20	12-107-30	100	450V
C21	12-476-42	47	450V
C22	12-476-42	47	450V
C23	12-107-62	100	250V
C24	12R227-32	220	35V
C25	12R227-32	220	35V
C26	12R227-12	220	16V
C27	12R227-12	220	16V
C28	10A473-11	0.047	100V
C29	10R473-03	0.047	100V
C30	10A473-11	0.047	100V
C31	12R106-35	10uF	35V
C32	12R106-35	10uF	35V
C33	12R106-35	10uF	35V
C34	12R106-35	10uF	35V
C35	12R106-35	10uF	35V
C36	12R106-35	10uF	35V
C38	10A104-01	0.1uF	50V
D1	21A914-01	1N914	
D2	21A914-01	1N914	
D3	21A370-01	1N3070	
D4	21A370-01	1N3070	
D5	21A914-01	1N914	
D6	21A407-01	1N4007	
D7	21A407-01	1N4007	
D8	21A407-01	1N4007	
D9	21A407-01	1N4007	
D10	21A407-01	1N4007	
D11	21A407-01	1N4007	
D12	21A407-01	1N4007	
D13	21A407-01	1N4007	
D14	21A407-01	1N4007	
D15	21A407-01	1N4007	
D16	21A407-01	1N4007	
D17	21A407-01	1N4007	
D18	21A407-01	1N4007	
D19	21A407-01	1N4007	
D20	21A407-01	1N4007	
D21	21A407-01	1N4007	
D22	21A407-01	1N4007	
D23	21A407-01	1N4007	
D24	21A407-01	1N4007	
D25	21A407-01	1N4007	
D26	21A407-01	1N4007	
D27	21A444-01	1N4744	15V/1W
D28	21A444-01	1N4744	15V/1W
D29	21A407-01	1N4007	
D30	21A407-01	1N4007	
D31	21A407-01	1N4007	
D32	21A914-01	1N914	
D33	21A914-01	1N914	
D34	21A914-01	1N914	
D35	21A914-01	1N914	
D36	21A914-01	1N914	
D37	21A914-01	1N914	
D38	21-512-01	RED/GRN	LED
D39	21A407-01	1N4007	
D40	21A407-01	1N4007	
D41	21A407-01	1N4007	
D42	21A914-01	1N914	
D43	21A914-01	1N914	
D44	21A914-01	1N914	
D45	21A914-01	1N914	
D46	21A914-01	1N914	
D47	21A914-01	1N914	
D48	21-512-01	RED/GRN	LED
D49	21A370-01	1N3070	
D50	21A370-01	1N3070	
D51	21A370-01	1N3070	
D52	21A370-01	1N3070	
D53	21A370-01	1N3070	
D54	21A370-01	1N3070	
D55	21A370-01	1N3070	
D56	21A370-01	1N3070	
IC2	37-072-01	TL072	
IC3	37-074-01	TL074	
IC4	37-072-01	TL072	
IC5	37-074-01	TL074	
IC6	37-072-01	TL072	
J1	17-101-14	14PIN	R/A-HEADER
J2	39-116-01	T/S	JACK
J3	39-125-01	JACK	
J4	39-321-01	MALE	XLR
J5	39-125-01	JACK	
J6	39-125-01	JACK	
J7	17-450-09	9PIN	TUBE SOCKET
J8	17-450-09	9PIN	TUBE SOCKET
J9	17-450-09	9PIN	TUBE SOCKET
J10	17-311-02	2PIN	R/A-HEADER
J11	17-101-16	16PIN	DR_HEADER
J12	17-836-01	TAB	
J13	17-836-01	TAB	
J14	17-836-01	TAB	
J15	17-836-01	TAB	
J16	17-836-01	TAB	
J17	17-836-01	TAB	
J18	17-836-01	TAB	
J19	17-311-05	5PIN	R/A-HEADER
J20	17-311-05	5PIN	R/A-HEADER
JW1-JW64	76-000-05	JUMPER	
P1	70-503-20	50KL	
P2	70-503-20	50KL	
P3	70-202-22	2KA	
R1	76-511-02	511	1%
R2	76-511-02	511	1%
R3	76-470-01	47	
R7	76-102-01	1K	
R8	76-474-01	470K	
R9	76-222-01	2.2K	
R10	76-182-01	1.8K	
R11	76-223-01	22k	
R12	77-104-02	100K	1/2W 1%
R13	76-102-01	1K	
R14	76-221-01	220	
R15	77-683-01	68K	1/2W
R16	76-105-01	1M	
R17	76-821-01	820	
R18	77-683-01	68K	1/2W
R19	76-474-01	470K	
R20	76-182-01	1.8K	
R21	78-473-05	47K	5W
R22	76-154-01	150K	
R23	76-154-01	150K	
R24	76-124-01	120K	
R25	76-683-01	68K	
R26	78-473-01	47K	1W
R27	76-474-01	470K	
R28	76-182-01	1.8K	
R29	78-473-05	47K	5W
R30	76-154-01	150K	
R31	76-154-01	150K	
R32	76-683-01	68K	
R33	76-124-01	120K	
R34	78-473-01	47K	1W
R35	78-100-92	10	2W-H.SRG
R36	78-100-92	10	2W-H.SRG
R37	78-100-92	10	2W-H.SRG
R38	78-100-92	10	2W-H.SRG
R39	78-100-92	10	2W-H.SRG
R40	78-100-92	10	2W-H.SRG
R41	78-221-91	220	1W-H.SRG
R42	78-221-91	220	1W-H.SRG
R43	76-683-01	68K	
R44	76-472-01	4.7K	
R45	76-473-01	47K	
R46	76-223-01	22K	
R47	76-104-01	100K	
R48	76-104-01	100K	
R49	76-224-01	220K	
R50	76-103-01	10K	
R51	76-472-01	4.7K	
R52	78-154-02	150K	2W
R53	78-154-02	150K	2W
✳ R54	78-153-05	15K	5W
✳ R55	78-183-05	18K	5W
R56	78A224-11	220K	1W
R57	78A224-11	220K	1W
✳ R58	78-473-01	47K	1W
✳ R59	77-222-01	2.2K	1/2W
R60	78-300-05	30	5W
R61	78-300-05	30	5W
R62	76-151-01	150	
R63	76-102-01	1K	
R64	76-151-01	150	
R65	76-102-01	1K	
R66	76-102-01	1K	
R67	76-153-01	15K	
R68	76-682-01	6.8K	
R69	76-222-01	2.2K	
R70	76-222-01	2.2K	
R71	76-151-01	150	
R72	76-102-01	1K	
R73	76-151-01	150	
R74	76-102-01	1K	
R75	76-102-01	1K	
R76	76-153-01	15K	
R77	76-682-01	6.8K	
R78	76-222-01	2.2K	
R79	76-222-01	2.2K	
R80	76-105-01	1M	
R81	76-182-01	1.8K	
R82	76-333-01	33K	
R83	76-223-01	22k	
R84	76-222-01	2.2K	
R85	76-222-01	2.2K	
R86	76-222-01	2.2K	
R87	76-222-01	2.2K	
R88	76-222-01	2.2K	
R89	76-222-01	2.2K	
R95	76-222-01	2.2K	
S1	88-302-01	DUAL	SWITCH
(8)	85-061-01	SPACERS	
T1	94-025-11	TRANSFORMER	
PCB1	06A419-01	PC BOARD	
V1	95-127-01	12AX7	
V2	95-126-01	12AU7	
V3	95-126-01	12AU7	

✳ USES SPACERS

PART NO. IS 07-419-04

REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHNG'D BY:	APPR'D BY:	DATE:
B	7-28-00	CHANGED PARTS LIST	D000685	RLB		
A	4-11-00	INITIAL ISSUE	D000624			

THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.

SIGNATURES:		DATE:
DRAWN:	RLB	12-22-99
CHK'D:		
RLS'D		

TOLERANCES:

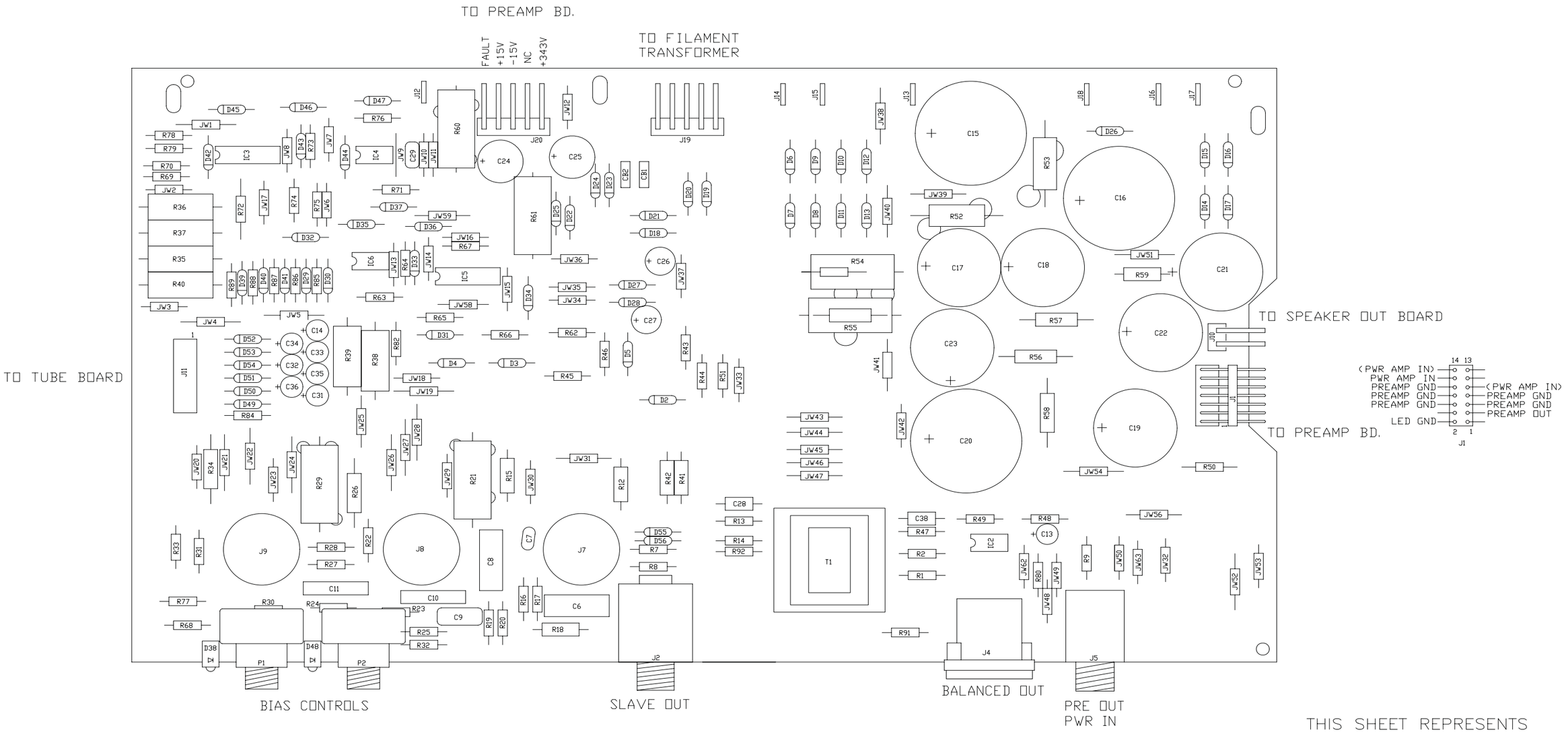
DRAWING SIZE: C
DRAWING TYPE: ASSEMBLY
CLASS CODE:
SCALE: 1:1 SHEET: 2 OF 4

SLM Electronics
11880 Borman Dr.
St. Louis, Missouri
63146

FIRST USED ON: SVT-2PRO

DRAWING TITLE: PWA, POWER AMP

DRAWING NO.: 07-419-XX



THIS SHEET REPRESENTS
PART NO. 07-419-12

TO ADJUST BIAS:

ALLOW UNIT TO WARM UP FOR 20 MINUTES. ADJUST BIAS CONTROLS SO THAT ONLY THE GREEN LEDS ARE LIT. FOR UNMATCHED TUBES THIS CONDITION MAY NOT BE ABLE TO BE MET. IF SO ADJUST CONTROLS SO THAT ONLY THE RED LEDS ARE LIT. SEE THE OWNER'S MANUAL FOR TROUBLESHOOTING TIPS USING THE BIAS CONTROLS AND LEDS.

REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHNG'D BY:	APPR'D BY:	DATE:
B	7-28-00	CHANGED PARTS LIST	D000685	RLB		
A	4-11-00	INITIAL ISSUE	D000624			

THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.

SIGNATURES:		DATE:
DRAWN:	RLB	12-22-99
CHK'D:		
RLS'D		

SLM Electronics — 11880 Borman Dr. St. Louis, Missouri 63146

FIRST USED ON: SVT-2PRO

TOLERANCES:
DRAWING SIZE: C
DRAWING TYPE: ASSEMBLY
CLASS CODE:
SCALE: 1:1 SHEET: 3 OF 4

DRAWING TITLE: PWA, POWER AMP

DRAWING NO.: 07-419-XX

DESIGNATOR	PART #	DESCRIPTION	
CB1	73-101-01	1/4A	THRMSTR
CB2	73-101-01	1/4A	THRMSTR
C6	10-104-10	0. 1	400V
C7	10R500-02	50pf	500V
C8	10-104-10	0. 1	400V
C9	10-104-21	0. 1	200V
C10	10-473-10	0. 047	400V
C11	10-473-10	0. 047	400V
C13	12R106-35	10uF	35V
C14	12R105-50	1uF	50V
C15	12-107-30	100	450V
C16	12-107-30	100	450V
C17	12-476-42	47	450V
C18	12-476-42	47	450V
C19	12-476-42	47	450V
C20	12-107-30	100	450V
C21	12-476-42	47	450V
C22	12-476-42	47	450V
C23	12-107-62	100	250V
C24	12R227-32	220	35V
C25	12R227-32	220	35V
C26	12R227-12	220	16V
C27	12R227-12	220	16V
C28	10A473-11	0. 047	100V
C29	10R473-03	0. 047	100V
C31	12R106-35	10uF	35V
C32	12R106-35	10uF	35V
C33	12R106-35	10uF	35V
C34	12R106-35	10uF	35V
C35	12R106-35	10uF	35V
C36	12R106-35	10uF	35V
C38	10A104-01	0. 1uF	50V
D2	21A914-01	1N914	
D3	21A370-01	1N3070	
D4	21A370-01	1N3070	
D5	21A914-01	1N914	
D6	21A407-01	1N4007	
D7	21A407-01	1N4007	
D8	21A407-01	1N4007	
D9	21A407-01	1N4007	
D10	21A407-01	1N4007	
D11	21A407-01	1N4007	
D12	21A407-01	1N4007	
D13	21A407-01	1N4007	
D14	21A407-01	1N4007	
D15	21A407-01	1N4007	
D16	21A407-01	1N4007	
D17	21A407-01	1N4007	
D18	21A407-01	1N4007	
D19	21A407-01	1N4007	
D20	21A407-01	1N4007	
D21	21A407-01	1N4007	
D22	21A407-01	1N4007	
D23	21A407-01	1N4007	
D24	21A407-01	1N4007	
D25	21A407-01	1N4007	
D26	21A407-01	1N4007	
D27	21A444-01	1N4744	15V/1W
D28	21A444-01	1N4744	15V/1W
D29	21A407-01	1N4007	
D30	21A407-01	1N4007	
D31	21A407-01	1N4007	
D32	21A914-01	1N914	
D33	21A914-01	1N914	
D34	21A914-01	1N914	
D35	21A914-01	1N914	
D36	21A914-01	1N914	
D37	21A914-01	1N914	
D38	21-512-01	RED/GRN	LED
D39	21A407-01	1N4007	
D40	21A407-01	1N4007	
D41	21A407-01	1N4007	
D42	21A914-01	1N914	
D43	21A914-01	1N914	
D44	21A914-01	1N914	
D45	21A914-01	1N914	
D46	21A914-01	1N914	
D47	21A914-01	1N914	
D48	21-512-01	RED/GRN	LED
D49	21A370-01	1N3070	
D50	21A370-01	1N3070	
D51	21A370-01	1N3070	
D52	21A370-01	1N3070	
D53	21A370-01	1N3070	
D54	21A370-01	1N3070	
D55	21A370-01	1N3070	
D56	21A370-01	1N3070	
IC2	37-072-01	TL072	
IC3	37-074-01	TL074	
IC4	37-072-01	TL072	
IC5	37-074-01	TL074	
IC6	37-072-01	TL072	
J1	17-101-14	14PIN	R/A-HEADER
J2	39-116-01	T/S	JACK
J4	39-321-01	MALE	XLR
J5	39-125-01	JACK	
J7	17-450-09	9PIN	TUBE SOCKET
J8	17-450-09	9PIN	TUBE SOCKET
J9	17-450-09	9PIN	TUBE SOCKET
J10	17-311-02	2PIN	R/A-HEADER
J11	17-101-16	16PIN	DR_HEADER
J12	17-836-01	TAB	
J13	17-836-01	TAB	
J14	17-836-01	TAB	
J15	17-836-01	TAB	
J16	17-836-01	TAB	
J17	17-836-01	TAB	
J18	17-836-01	TAB	
J19	17-311-05	5PIN	R/A-HEADER
J20	17-311-05	5PIN	R/A-HEADER
JW1-JW54	76-000-05	JUMPER	
JW56	76-000-05	JUMPER	
JW58-JW59	76-000-05	JUMPER	
JW62-JW63	76-000-05	JUMPER	
P1	70-503-20	50KL	
P2	70-503-20	50KL	
R1	76-470-01	47	
R2	76-470-01	47	
R7	76-102-01	1K	
R8	76-474-01	470K	
R9	76-222-01	2. 2K	
R12	77-104-02	100K	1/2W 1%
R13	76-102-01	1K	
R14	76-221-01	220	
R15	77-683-01	68K	1/2W
R16	76-105-01	1M	
R17	76-821-01	820	
R18	77-683-01	68K	1/2W
R19	76-474-01	470K	
R20	76-182-01	1. 8K	
R21	78-473-05	47K	5W
R22	76-154-01	150K	
R23	76-154-01	150K	
R24	76-124-01	120K	
R25	76-683-01	68K	
R26	78-473-01	47K	1W
R27	76-474-01	470K	
R28	76-182-01	1. 8K	
R29	78-473-05	47K	5W
R30	76-154-01	150K	
R31	76-154-01	150K	
R32	76-683-01	68K	
R33	76-124-01	120K	
R34	78-473-01	47K	1W
R35	78-100-92	10	2W-H. SRG
R36	78-100-92	10	2W-H. SRG
R37	78-100-92	10	2W-H. SRG
R38	78-100-92	10	2W-H. SRG
R39	78-100-92	10	2W-H. SRG
R40	78-100-92	10	2W-H. SRG
R41	78-221-91	220	1W-H. SRG
R42	78-221-91	220	1W-H. SRG
R43	76-683-01	68K	
R44	76-472-01	4. 7K	
R45	76-473-01	47K	
R46	76-223-01	22K	
R47	76-104-01	100K	
R48	76-104-01	100K	
R49	76-224-01	220K	
R50	76-103-01	10K	
R51	76-472-01	4. 7K	
R52	78-154-02	150K	2W
R53	78-154-02	150K	2W
✳ R54	78-153-05	15K	5W
✳ R55	78-473-05	47K	5W
R56	78A224-11	220K	1W
R57	78A224-11	220K	1W
✳ R58	78-473-01	47K	1W
✳ R59	77-222-01	2. 2K	1/2W
R60	78-047-05	47	5W
R61	78-047-05	47	5W
R62	76-151-01	150	
R63	76-102-01	1K	
R64	76-151-01	150	
R65	76-102-01	1K	
R66	76-102-01	1K	
R67	76-153-01	15K	
R68	76-682-01	6. 8K	
R69	76-222-01	2. 2K	
R70	76-222-01	2. 2K	
R71	76-151-01	150	
R72	76-102-01	1K	
R73	76-151-01	150	
R74	76-102-01	1K	
R75	76-102-01	1K	
R76	76-153-01	15K	
R77	76-682-01	6. 8K	
R78	76-222-01	2. 2K	
R79	76-222-01	2. 2K	
R80	76-105-01	1M	
R82	76-333-01	33K	
R84	76-222-01	2. 2K	
R85	76-222-01	2. 2K	
R86	76-222-01	2. 2K	
R87	76-222-01	2. 2K	
R88	76-222-01	2. 2K	
R89	76-222-01	2. 2K	
R91	76-221-01	220	
R92	76-221-01	220	
(8)	85-061-01	SPACERS	
T1	94-025-11	TRANSFORMER	
PCB1	06A419-01	PC BOARD	
V1	95-127-01	12AX7	
V2	95-126-01	12AU7	
V3	95-126-01	12AU7	

✳ USES SPACERS

THIS SHEET REPRESENTS
PART NO. 07-419-12

REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHNG'D BY:	APPR'D BY:	DATE:
B	7-28-00	CHANGED PARTS LIST	D000685	RLB		
A	4-11-00	INITIAL ISSUE	D000624			

THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.

SIGNATURES:		DATE:
DRAWN:	RLB	12-22-99
CHK'D:		
RLS'D		

TOLERANCES:

DRAWING SIZE: C
DRAWING TYPE: ASSEMBLY
CLASS CODE:
SCALE: 1:1 SHEET: 4 OF 4

SLM Electronics — 11880 Borman Dr. St. Louis, Missouri 63146

FIRST USED ON: SVT-2PRO

DRAWING TITLE: PWA, POWER AMP

DRAWING NO.: 07-419-XX

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