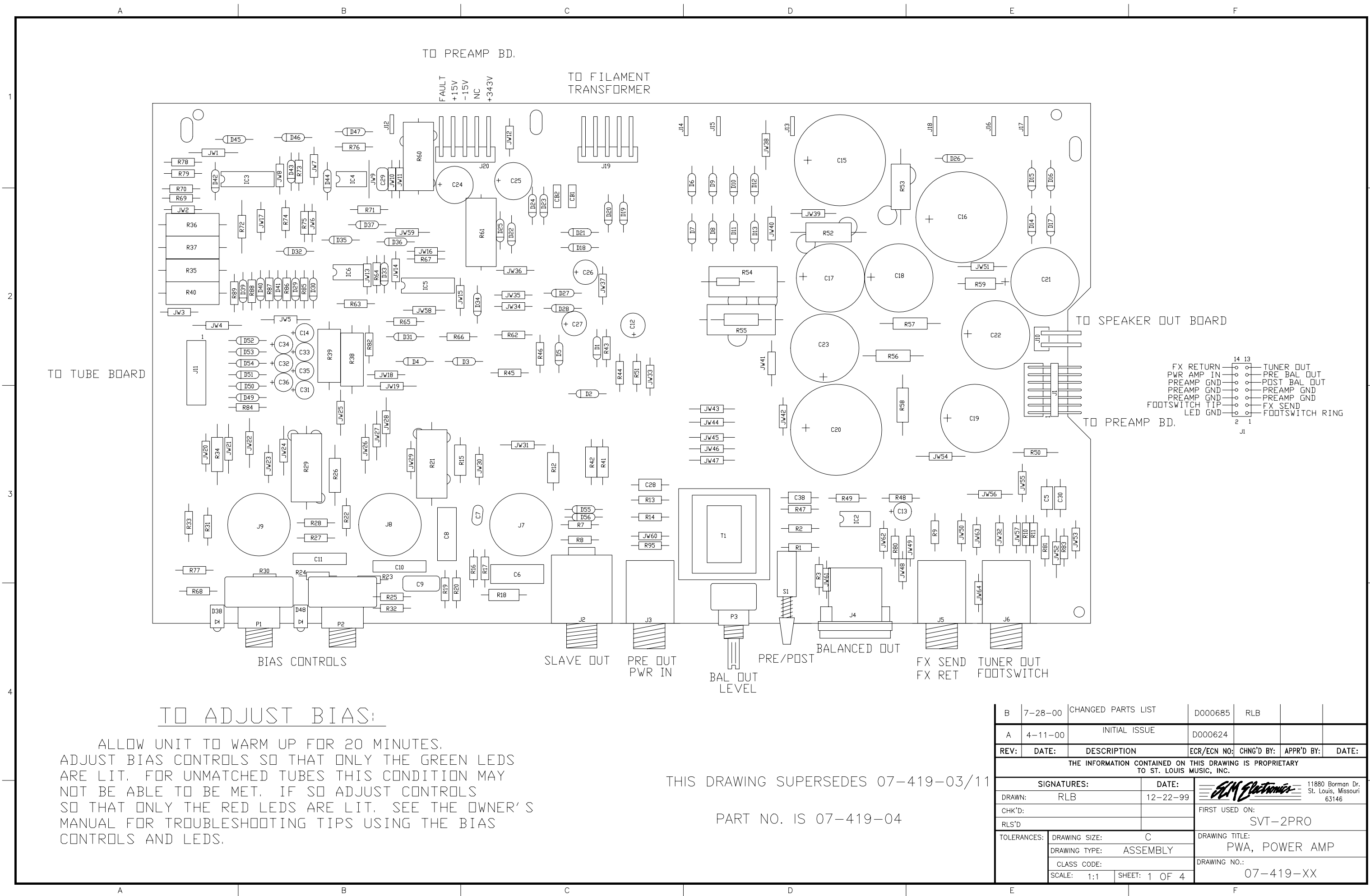


TO ADJUST BIAS:

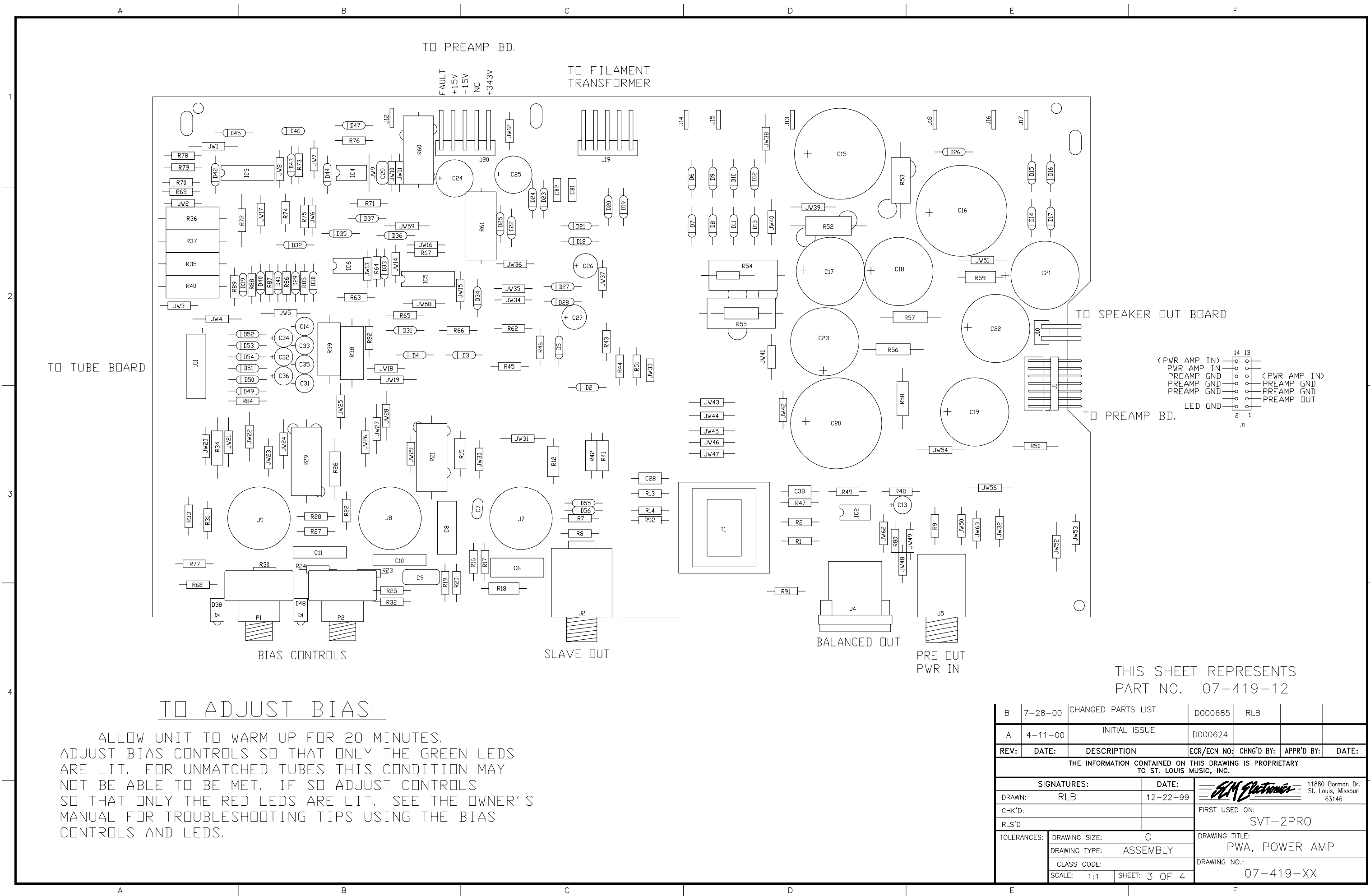
ALLOW UNIT TO WARM UP FOR 20 MINUTES.
ADJUST BIAS CONTROLS SO THAT ONLY THE GREEN LEDS
ARE LIT. FOR UNMATCHED TUBES THIS CONDITION MAY
NOT BE ABLE TO BE MET. IF SO ADJUST CONTROLS
SO THAT ONLY THE RED LEDS ARE LIT. SEE THE OWNER'S
MANUAL FOR TROUBLESHOOTING TIPS USING THE BIAS
CONTROLS AND LEDS.

THIS DRAWING SUPERSEDES 07-419-03/11

PART NO. IS 07-419-04

B	7-28-00	CHANGED PARTS LIST	D000685	RLB		
A	4-11-00	INITIAL ISSUE	D000624			
REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHNG'D BY:	APPR'D BY:	DATE:
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:			DATE:		11880 Borman Dr. St. Louis, Missouri 63146	
DRAWN: RLB			12-22-99		FIRST USED ON:	
CHK'D:					SVT-2PRO	
RLS'D					DRAWING TITLE:	
TOLERANCES:			DRAWING SIZE: C		PWA, POWER AMP	
			DRAWING TYPE: ASSEMBLY		DRAWING NO.:	
			CLASS CODE:		07-419-XX	
			SCALE: 1:1		SHEET: 1 OF 4	

A				B				C				D				E				F				
DESIGNATOR		PART #		DESCRIPTION																				
1	CB1	73-102-01	0. 4A	THRMSTR	D23	21A407-01	1N4007											R60	78-300-05	30	5W			
	CB2	73-102-01	0. 4A	THRMSTR	D24	21A407-01	1N4007											R61	78-300-05	30	5W			
					D25	21A407-01	1N4007						P1	70-503-20	50KL			R62	76-151-01	150				
					D26	21A407-01	1N4007						P2	70-503-20	50KL			R63	76-102-01	1K				
					D27	21A444-01	1N4744	15V/1W					P3	70-202-22	2KA			R64	76-151-01	150				
					D28	21A444-01	1N4744	15V/1W										R65	76-102-01	1K				
					D29	21A407-01	1N4007											R66	76-102-01	1K				
					D30	21A407-01	1N4007											R67	76-153-01	15K				
					D31	21A407-01	1N4007											R68	76-682-01	6. 8K				
					D32	21A914-01	1N914							R1	76-511-02	511	1%		R69	76-222-01	2. 2K			
2	C5	10A473-11	0. 047	100V	D33	21A914-01	1N914							R2	76-511-02	511	1%		R70	76-222-01	2. 2K			
	C6	10-104-10	0. 1	400V	D34	21A914-01	1N914							R3	76-470-01	47			R71	76-151-01	150			
	C7	10R500-02	50pf	500V	D35	21A914-01	1N914							R7	76-102-01	1K			R72	76-102-01	1K			
	C8	10-104-10	0. 1	400V	D36	21A914-01	1N914							R8	76-474-01	470K			R73	76-151-01	150			
	C9	10-104-21	0. 1	200V	D37	21A914-01	1N914							R9	76-222-01	2. 2K			R74	76-102-01	1K			
	C10	10-473-10	0. 047	400V	D38	21-512-01	RED/GRN	LED						R10	76-182-01	1. 8K			R75	76-102-01	1K			
	C11	10-473-10	0. 047	400V	D39	21A407-01	1N4007							R11	76-223-01	22k			R76	76-153-01	15K			
	C12	12R227-12	220	16V	D40	21A407-01	1N4007							R12	77-104-02	100K	1/2W	1%	R77	76-682-01	6. 8K			
	C13	12R106-35	10uF	35V	D41	21A407-01	1N4007							R13	76-102-01	1K			R78	76-222-01	2. 2K			
	C14	12R105-50	1uF	50V	D42	21A914-01	1N914							R14	76-221-01	220			R79	76-222-01	2. 2K			
3	C15	12-107-30	100	450V	D43	21A914-01	1N914							R15	77-683-01	68K	1/2W		R80	76-105-01	1M			
	C16	12-107-30	100	450V	D44	21A914-01	1N914							R16	76-105-01	1M			R81	76-182-01	1. 8K			
	C17	12-476-42	47	450V	D45	21A914-01	1N914							R17	76-821-01	820			R82	76-333-01	33K			
	C18	12-476-42	47	450V	D46	21A914-01	1N914							R18	77-683-01	68K	1/2W		R83	76-223-01	22k			
	C19	12-476-42	47	450V	D47	21A914-01	1N914							R19	76-474-01	470K			R84	76-222-01	2. 2K			
	C20	12-107-30	100	450V	D48	21-512-01	RED/GRN	LED						R20	76-182-01	1. 8K			R85	76-222-01	2. 2K			
	C21	12-476-42	47	450V	D49	21A370-01	1N3070							R21	78-473-05	47K	5W		R86	76-222-01	2. 2K			
	C22	12-476-42	47	450V	D50	21A370-01	1N3070							R22	76-154-01	150K			R87	76-222-01	2. 2K			
	C23	12-107-62	100	250V	D51	21A370-01	1N3070							R23	76-154-01	150K			R88	76-222-01	2. 2K			
	C24	12R227-32	220	35V	D52	21A370-01	1N3070							R24	76-124-01	120K			R89	76-222-01	2. 2K			
4	C25	12R227-32	220	35V	D53	21A370-01	1N3070							R25	76-683-01	68K			R95	76-222-01	2. 2K			
	C26	12R227-12	220	16V	D54	21A370-01	1N3070							R26	78-473-01	47K	1W							
	C27	12R227-12	220	16V	D55	21A370-01	1N3070							R27	76-474-01	470K								
	C28	10A473-11	0. 047	100V	D56	21A370-01	1N3070							R28	76-182-01	1. 8K								
	C29	10R473-03	0. 047	100V											R29	78-473-05	47K	5W						
	C30	10A473-11	0. 047	100V											R30	76-154-01	150K							
	C31	12R106-35	10uF	35V											R31	76-154-01	150K							
	C32	12R106-35	10uF	35V	IC2	37-072-01	TLQ72								R32	76-683-01	68K			S1	88-302-01	DUAL	SWITCH	
	C33	12R106-35	10uF	35V	IC3	37-074-01	TLQ74								R33	76-124-01	120K			(8)	85-061-01	SPACERS		
	C34	12R106-35	10uF	35V	IC4	37-072-01	TLQ72								R34	78-473-01	47K	1W		T1	94-025-11	TRANSFORMER		
5	C35	12R106-35	10uF	35V	IC5	37-074-01	TLQ74								R35	78-100-92	10	2W-H. SRG						
	C36	12R106-35	10uF	35V	IC6	37-072-01	TLQ72								R36	78-100-92	10	2W-H. SRG						
	C38	10A104-01	0. 1uF	50V											R37	78-100-92	10	2W-H. SRG						
					J1	17-101-14	14PIN	R/A-HEADER							R38	78-100-92	10	2W-H. SRG						
					J2	39-116-01	T/S	JACK							R39	78-100-92	10	2W-H. SRG						
					J3	39-125-01	JACK								R40	78-100-92	10	2W-H. SRG						
					J4	39-321-01	MALE	XLR							R41	78-221-91	220	1W-H. SRG						
					J5	39-125-01	JACK								R42	78-221-91	220	1W-H. SRG						
					J6	39-125-01	JACK								R43	76-683-01	68K							
					J7	17-450-09	9PIN	TUBE SOCKET							R44	76-472-01	4. 7K							
6					J8	17-450-09	9PIN	TUBE SOCKET							R45	76-473-01	47K							
					J9	17-450-09	9PIN	TUBE SOCKET							R46	76-223-01	22K							
					J10	17-311-02	2PIN	R/A-HEADER							R47	76-104-01	100K							
					J11	17-101-16	16PIN	DR_HEADER							R48	76-104-01	100K							
					J12	17-836-01	TAB								R49	76-224-01	220K							
					J13	17-836-01	TAB								R50	76-103-01	10K							
					J14	17-836-01	TAB								R51	76-472-01	4. 7K							
					J15</																			



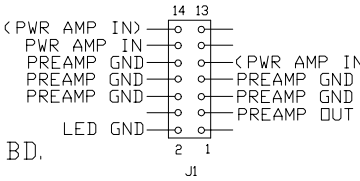
TO TUBE BOARD

TO PREAMP BD.

TO FILAMENT
TRANSFORMER

TO SPEAKER OUT BOARD

TO PREAMP BD.



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 SHEET REPRESENTS
PART NO. 07-419-12

B	7-28-00	CHANGED PARTS LIST	D000685	RLB		
A	4-11-00	INITIAL ISSUE	D000624			
REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHNG'D BY:	APPR'D BY:	DATE:
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:			DATE:		11880 Borman Dr. St. Louis, Missouri 63146	
DRAWN: RLB			12-22-99		FIRST USED ON:	
CHK'D:					SVT-2PRO	
RLS'D					DRAWING TITLE:	
TOLERANCES:			DRAWING SIZE: C		PWA, POWER AMP	
			DRAWING TYPE: ASSEMBLY		DRAWING NO.:	
			CLASS CODE:		07-419-XX	
			SCALE: 1:1		SHEET: 3 OF 4	

A				B				C				D				E				F			
DESIGNATOR		PART #		DESCRIPTION																			
1	CB1	73-101-01	1/4A	THRMSTR	D23	21A407-01	1N4007											R60	78-047-05	47	5W		
	CB2	73-101-01	1/4A	THRMSTR	D24	21A407-01	1N4007											R61	78-047-05	47	5W		
					D25	21A407-01	1N4007			P1	70-503-20	50KL						R62	76-151-01	150			
					D26	21A407-01	1N4007			P2	70-503-20	50KL						R63	76-102-01	1K			
					D27	21A444-01	1N4744	15V/1W										R64	76-151-01	150			
					D28	21A444-01	1N4744	15V/1W										R65	76-102-01	1K			
					D29	21A407-01	1N4007											R66	76-102-01	1K			
					D30	21A407-01	1N4007											R67	76-153-01	15K			
					D31	21A407-01	1N4007											R68	76-682-01	6. 8K			
					D32	21A914-01	1N914			R1	76-470-01	47						R69	76-222-01	2. 2K			
2					D33	21A914-01	1N914			R2	76-470-01	47						R70	76-222-01	2. 2K			
	C6	10-104-10	0. 1	400V	D34	21A914-01	1N914											R71	76-151-01	150			
	C7	10R500-02	50pf	500V	D35	21A914-01	1N914			R7	76-102-01	1K						R72	76-102-01	1K			
	C8	10-104-10	0. 1	400V	D36	21A914-01	1N914			R8	76-474-01	470K						R73	76-151-01	150			
	C9	10-104-21	0. 1	200V	D37	21A914-01	1N914			R9	76-222-01	2. 2K						R74	76-102-01	1K			
	C10	10-473-10	0. 047	400V	D38	21-512-01	RED/GRN	LED										R75	76-102-01	1K			
	C11	10-473-10	0. 047	400V	D39	21A407-01	1N4007											R76	76-153-01	15K			
					D40	21A407-01	1N4007			R12	77-104-02	100K	1/2W	1%				R77	76-682-01	6. 8K			
					D41	21A407-01	1N4007			R13	76-102-01	1K						R78	76-222-01	2. 2K			
					D42	21A914-01	1N914			R14	76-221-01	220						R79	76-222-01	2. 2K			
3					D43	21A914-01	1N914			R15	77-683-01	68K	1/2W					R80	76-105-01	1M			
					D44	21A914-01	1N914			R16	76-105-01	1M											
					D45	21A914-01	1N914			R17	76-821-01	820						R82	76-333-01	33K			
					D46	21A914-01	1N914			R18	77-683-01	68K	1/2W										
					D47	21A914-01	1N914			R19	76-474-01	470K						R84	76-222-01	2. 2K			
					D48	21-512-01	RED/GRN	LED		R20	76-182-01	1. 8K						R85	76-222-01	2. 2K			
					D49	21A370-01	1N3070			R21	78-473-05	47K	5W					R86	76-222-01	2. 2K			
					D50	21A370-01	1N3070			R22	76-154-01	150K						R87	76-222-01	2. 2K			
					D51	21A370-01	1N3070			R23	76-154-01	150K						R88	76-222-01	2. 2K			
					D52	21A370-01	1N3070			R24	76-124-01	120K						R89	76-222-01	2. 2K			
4					D53	21A370-01	1N3070			R25	76-683-01	68K						R91	76-221-01	220			
					D54	21A370-01	1N3070			R26	78-473-01	47K	1W					R92	76-221-01	220			
					D55	21A370-01	1N3070			R27	76-474-01	470K											
					D56	21A370-01	1N3070			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										
5										R35	78-100-92	10	2W-H. SRG				(8)	85-061-01	SPACERS				
										R36	78-100-92	10	2W-H. SRG										
										R37	78-100-92	10	2W-H. SRG										
										R38	78-100-92	10	2W-H. SRG				T1	94-025-11	TRANSFORMER				
										R39	78-100-92	10	2W-H. SRG										
										R40	78-100-92	10	2W-H. SRG				PCB1	06A419-01	PC BOARD				
										R41	78-221-91	220	1W-H. SRG										
										R42	78-221-91	220	1W-H. SRG				V1	95-127-01	12AX7				
										R43	76-683-01	68K					V2	95-126-01	12AU7				
										R44	76-472-01	4. 7K					V3	95-126-01	12AU7				
6										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										
7										* 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										
THIS SHEET REPRESENTS PART NO. 07-419-12																							
B		7-28-00		CHANGED PARTS LIST				D000685		RLB													
A		4-11-00		INITIAL ISSUE				D000624															
REV:		DATE:		DESCRIPTION				ECR/ECN NO:		CHNG'D BY:		APPR'D BY:		DATE:									
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.																							
SIGNATURES:							DATE:																
DRAWN:		RLB					12-22-99																
CHK'D:										FIRST USED ON:													
RLS'D										SVT-2PRO													
TOLERANCES:		DRAWING SIZE:					C			DRAWING TITLE:													
		DRAWING TYPE:					ASSEMBLY			PWA, POWER AMP													
		CLASS CODE:								DRAWING NO.:													
SCALE:		1:1		SHEET: 4 OF 4					07-419-XX														
* USES SPACERS																							