


CAUTION:

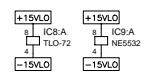
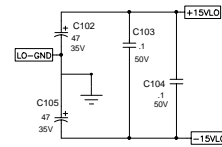
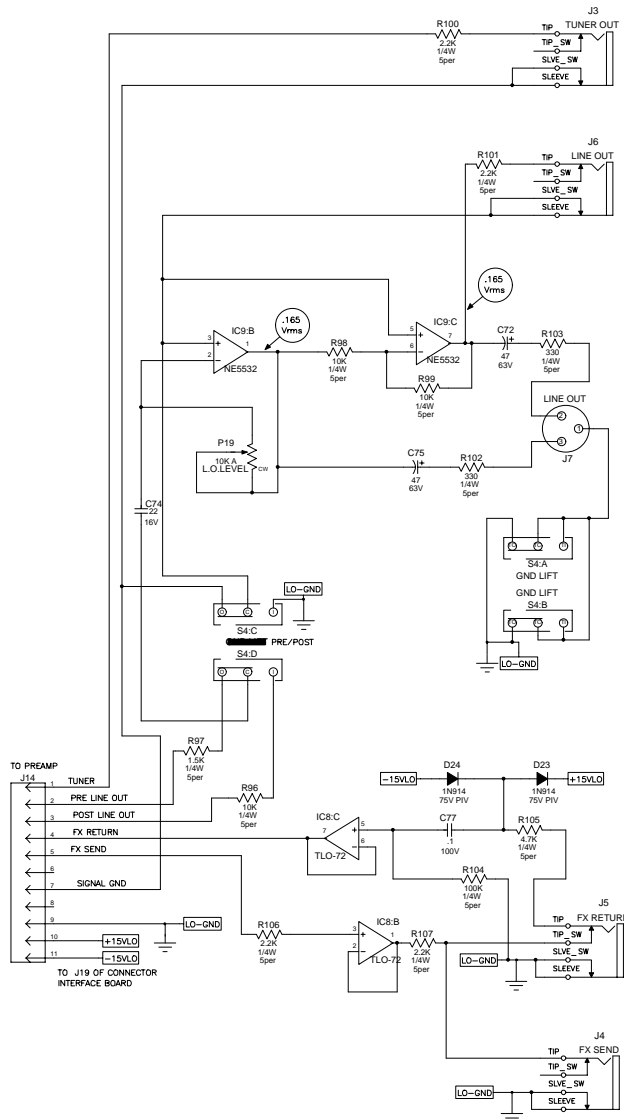
THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

NOTES:

- 1) CAUTION: SHOCK HAZARD!! THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
- 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
- 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.

0	08/02/04	CONTROL ISSUE					WFB
B	7-19-04	ADDED NOT USED NOTE	R01300				RLB
A	3-12-04	INITIAL ISSUE					
REV	Date	DESCRIPTION	Ecr(s)/Ecn(s)	Chgd By	Appvd by	Date	
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC							
Signatures:			Date:		 1901 Congressional, St. Louis, MO 63146		
Drawn: RLB			3-12-04				
Checked:					First Used On:		
Released:							
Plot Date: Mon Aug 02, 2004		Drawing Size: A		Drawing Title: JACK BOARD			
Plot Time: 10:43:23		Drawing Type: Schematic		Drawing Number: 07S567			
Tolerance:		Class Code: NONE					
		Sheet 1 of 1					

TEST CONDITIONS: J14-7 TO SIGNAL GND, J14-10 TO +15VDC, J14-11 TO-15VDC, J14-9 TO DIRTY GND,
CONNECT J7 PIN 2 & PIN 3 THROUGH 680 OHM RESISTOR, P19 @ '10', S4 BUTTON 'OUT'
INPUT SIGNAL = 26mVrms @ 1KHz @J14-2.



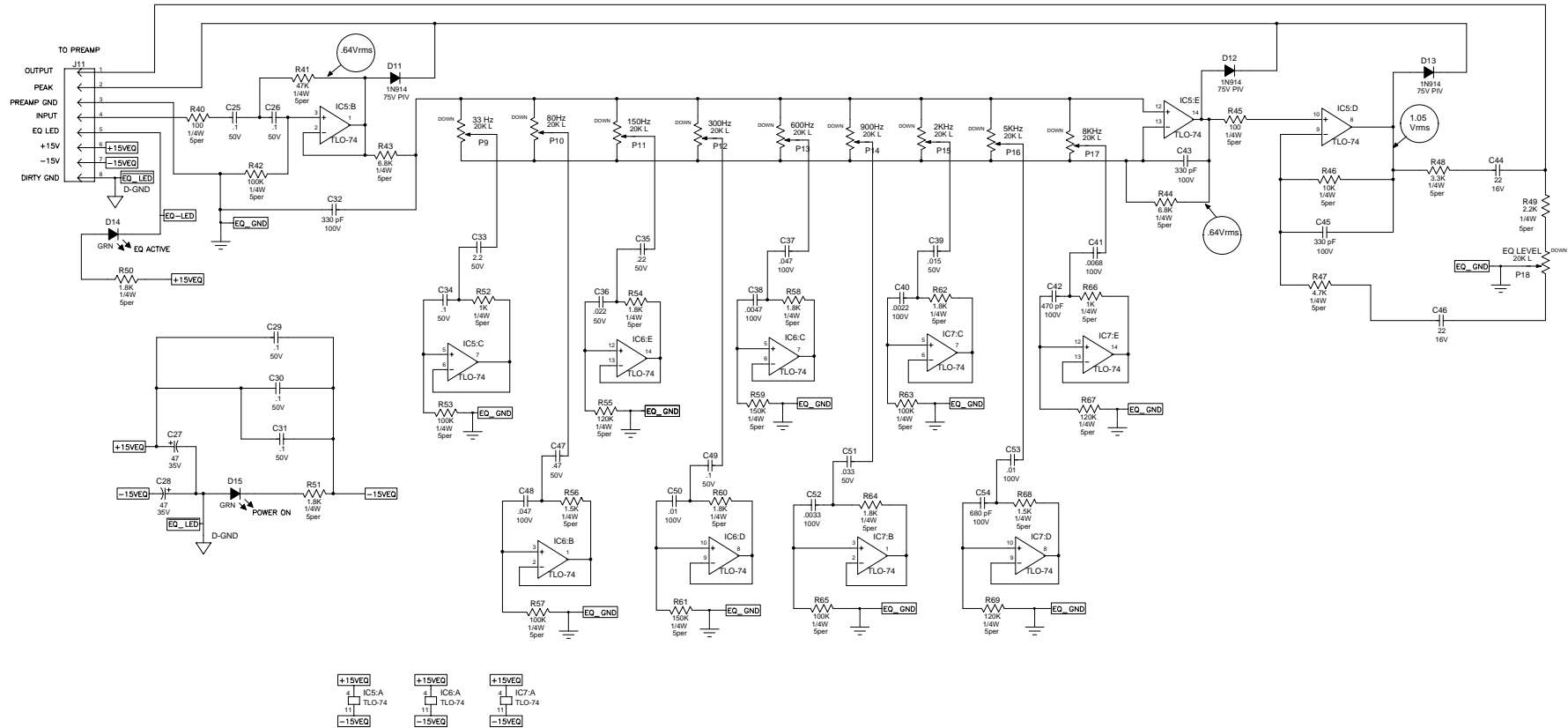
ASSY PART # 07-268-01

CAUTION:
THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL.
TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND
THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

- NOTES:
- 1) CAUTION: SHOCK HAZARD!!
THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER
AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE
TOUCHING INTERNAL PARTS.
 - 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/8W-5% TOL.
CAPACITOR VALUES IN MICROFARADS, 50%-10% TOL.
 - 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE
AND 10 MEGOHM DIGITAL VOLTMETER.

0	7/28/04	CONTROL ISSUE				WFB
A	6/17/04	INITIAL ISSUE				
REV	Date	DESCRIPTION	Ecr(s)/Ecn(s)	Chgd By	Appvd by	Date
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
Signatures:			Date:		 1901 Congressional, St. Louis, MO 63146	
Drawn: REM			5/05/04			
Checked:					First Used On:	
Released:					Drawing Title:	
Plot Date: Wed Jul 28, 2004			Drawing Size: C		PWA - BASS I/O JACK BRD	
Plot Time: 18:46:25			Drawing Type: Schematic		Drawing Number:	
Tolerance:			Class Code: NONE		07S268	
			Sheet 1 of 1			

TEST POINT CONDITIONS:
INPUT = .64 Vrms @ 1KHz, ALL SLIDERS @ CENTER DETENT.



ASSY PART # 07-313-01

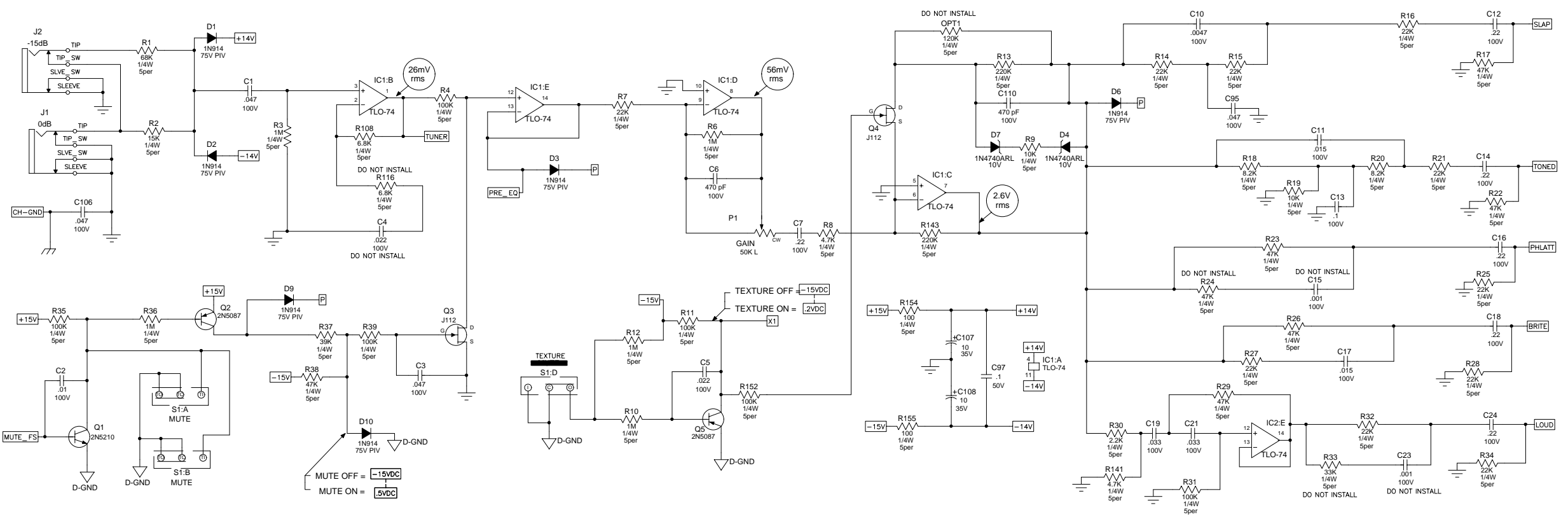
CAUTION:
THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL.
TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND
THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

- NOTES:
- 1) CAUTION: SHOCK HAZARD!!
THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER
AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE
TOUCHING INTERNAL PARTS.
 - 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/8W-5% TOL.
CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 - 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE
AND 10 MEGOHM DIGITAL VOLTMETER.

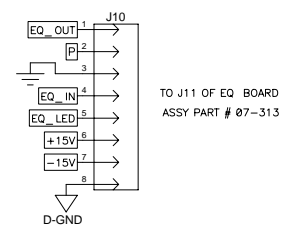
0	7/28/04	CONTROL ISSUE				WFB
A	6/17/04	INITIAL ISSUE				
REV	Date	DESCRIPTION	Ecr(s)/Ecn(s)	Chgd By	Appvd by	Date
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
Signatures:			Date:		 1901 Congressional, St. Louis, MO 63146	
Drawn: REM			5/05/04			
Checked:						
Released:						
Plot Date: Wed Jul 28, 2004		Drawing Size: C		Drawing Title: PWA - BASS EQ		
Plot Time: 13:34:51		Drawing Type: Schematic		Drawing Number: 07S313		
Tolerance:		Class Code: NONE		Sheet 1 of 1		

TEST CONDITIONS:
 INPUT: 26 mVrms @ 1KHz.
 GAIN, MASTER, LINE OUT @ " 10 ". TONES @ " 5 ".
 ALL BUTTONS " OUT ".

□ DC VOLTAGE
 ○ AC VOLTAGE



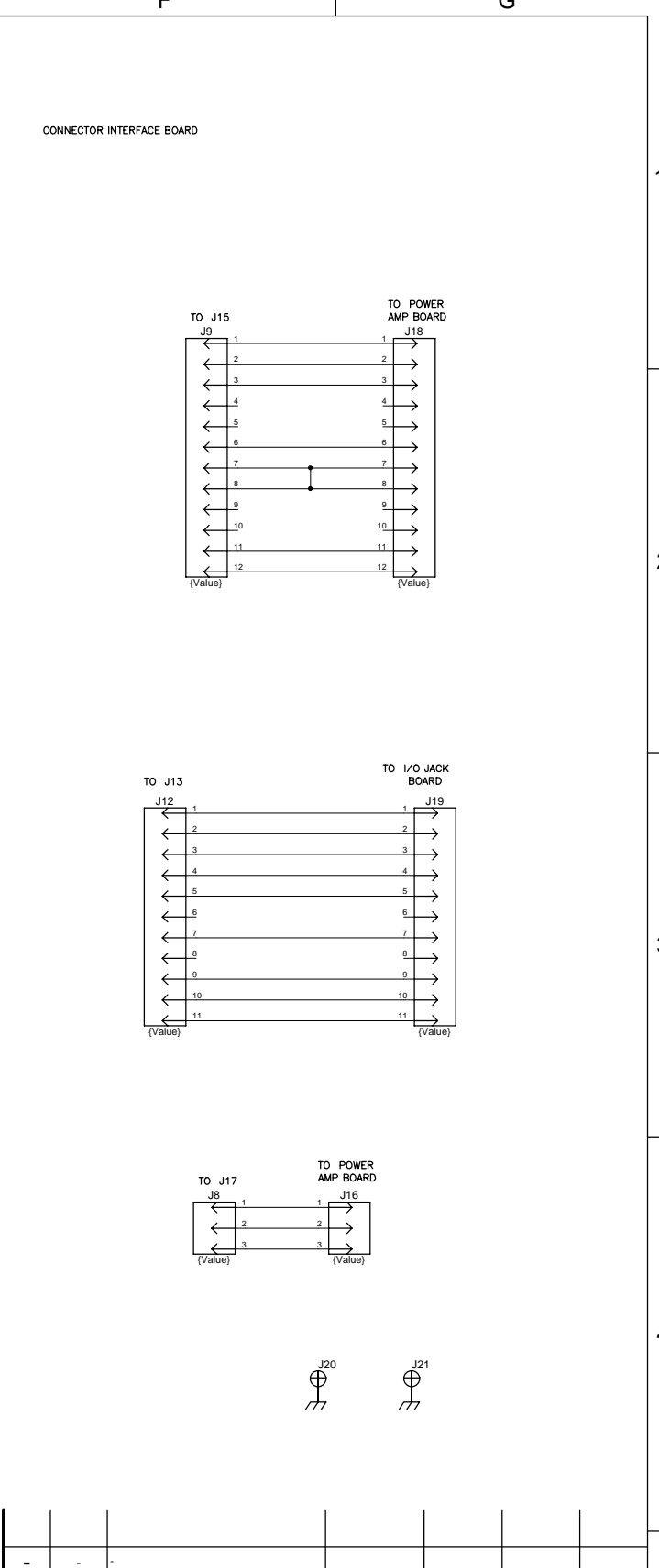
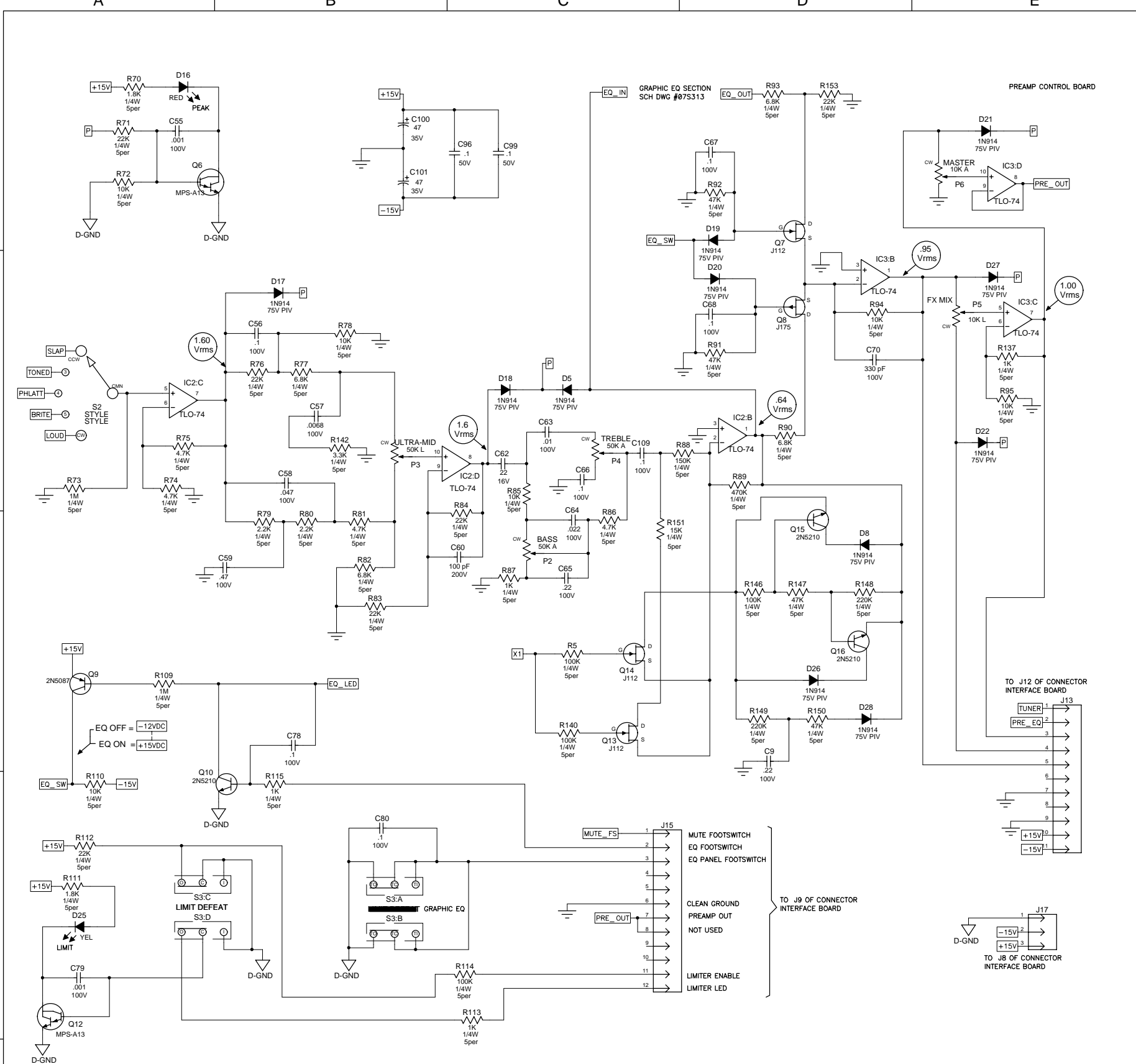
ASSY PART # 07-347-01



CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL.
 TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED
 SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND
 THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

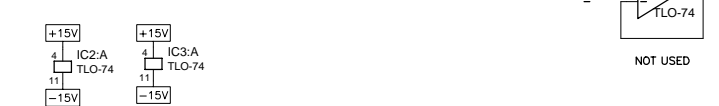
NOTES:
 1) CAUTION: SHOCK HAZARD!!
 THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER
 AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE
 TOUCHING INTERNAL PARTS.
 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/8W-5% TOL.
 CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE
 AND 10 MEGOHM DIGITAL VOLTMETER.


REV	Date	DESCRIPTION	Ecr(s)/Ecn(s)	Chgd By	Appvd by	Date
A	6/17/04	INITIAL ISSUE				
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
Signatures:		Date:				
Drawn: REM		5/05/04				
Checked:		First Used On:				
Released:		Drawing Title: PWA - BASS PREAMP				
Plot Date: Fri Jun 18, 2004		Drawing Size: C	Drawing Number: 07S347			
Plot Time: 10:45:02		Drawing Type: Schematic				
Tolerance:		Class Code: NONE				
		Sheet 1 of 2				



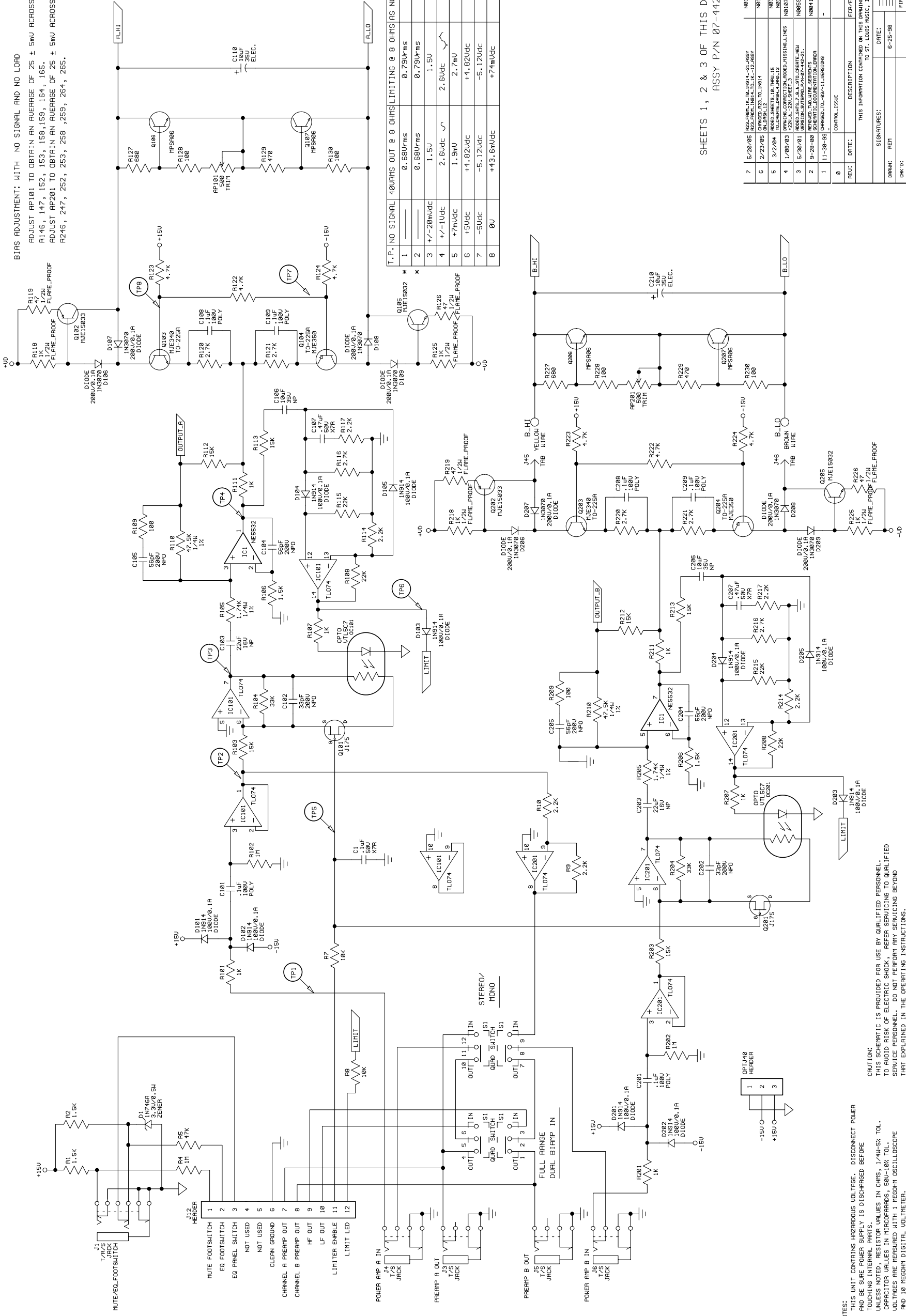
CAUTION:
THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL.
TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND
THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

NOTES:
1) CAUTION: SHOCK HAZARD!!
THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER
AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE
TOUCHING INTERNAL PARTS.
2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/8W-5% TOL.
CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE
AND 10 MEGOHM DIGITAL VOLTMETER.



REV	Date	DESCRIPTION	Ecr(s)/Ecn(s)	Chgd By	Appvd by	Date
A	6/17/04	INITIAL ISSUE				
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
Signatures:		Date:		 1901 Congressional, St. Louis, MO 63146		
Drawn: REM		Date: 5/05/04		First Used On:		
Checked:		Released:		Plot Date: Fri Jun 18, 2004		
Plot Time: 10:45:04		Drawing Size: C		Drawing Title: PWA - BASS PREAMP		
Tolerance:		Class Code: NONE		Drawing Number: 07S347		
		Sheet 2 of 2				

BIAS ADJUSTMENT: WITH NO SIGNAL AND NO LOAD
 ADJUST RP101 TO OBTAIN AN AVERAGE OF $25 \pm 5mV$ ACROSS R139, 140
 R146, 147, 152, 153, 158, 159, 164, 165.
 ADJUST RP201 TO OBTAIN AN AVERAGE OF $25 \pm 5mV$ ACROSS R239, 240
 R246, 247, 252, 253, 258, 259, 264, 265.



T.P. NO. NO. SIGNAL 40uRMS OUT @ 8 OHMS AS NOTED IN REFORM

1	0.68uFms	0.75uFms	~
2	0.68uFms	0.75uFms	~
3	+/-20mVdc	1.5U	~
4	+/-1uVdc	2.6uVdc	~
5	+7mVdc	1.9mV	~
6	+5uVdc	+4.82uVdc	~
7	-5uVdc	-5.12uVdc	~
8	0V	+43.6mVdc	~

SHEETS 1, 2 & 3 OF THIS DRAWING REPRESENT
 ASSY P/N 07-442-03

7	5/20/05	R23 ENH. IN TO ANVA -31.88V	N81800	REM
6	2/23/05	CHANGED R23 TO INH4	N81758	RLB
5	3/2/04	WOOD SHEETS, IA, THALLIS	N81758	RLB
4	1/08/03	WOOD SHEETS, IA, THALLIS	N81588	RLB
3	5/28/01	WOOD SHEETS, IA, THALLIS	N81875	REM
2	9-28-00	WOOD SHEETS, IA, THALLIS	N86597	REM
1	11-30-98	WOOD SHEETS, IA, THALLIS	N88413	RLB
0		CONTRACT ISSUE		RLB

REV: DATE: DESCRIPTION: EDP/EEN NO: CHG D BY: APP D BY: DATE:

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

SIGNATURES: DATE: 6-25-98

DRAWN: REM

CHEK'D: FIRST USED ON:

PLS DT:

TOLERANCES: DRAWING SIZE: D

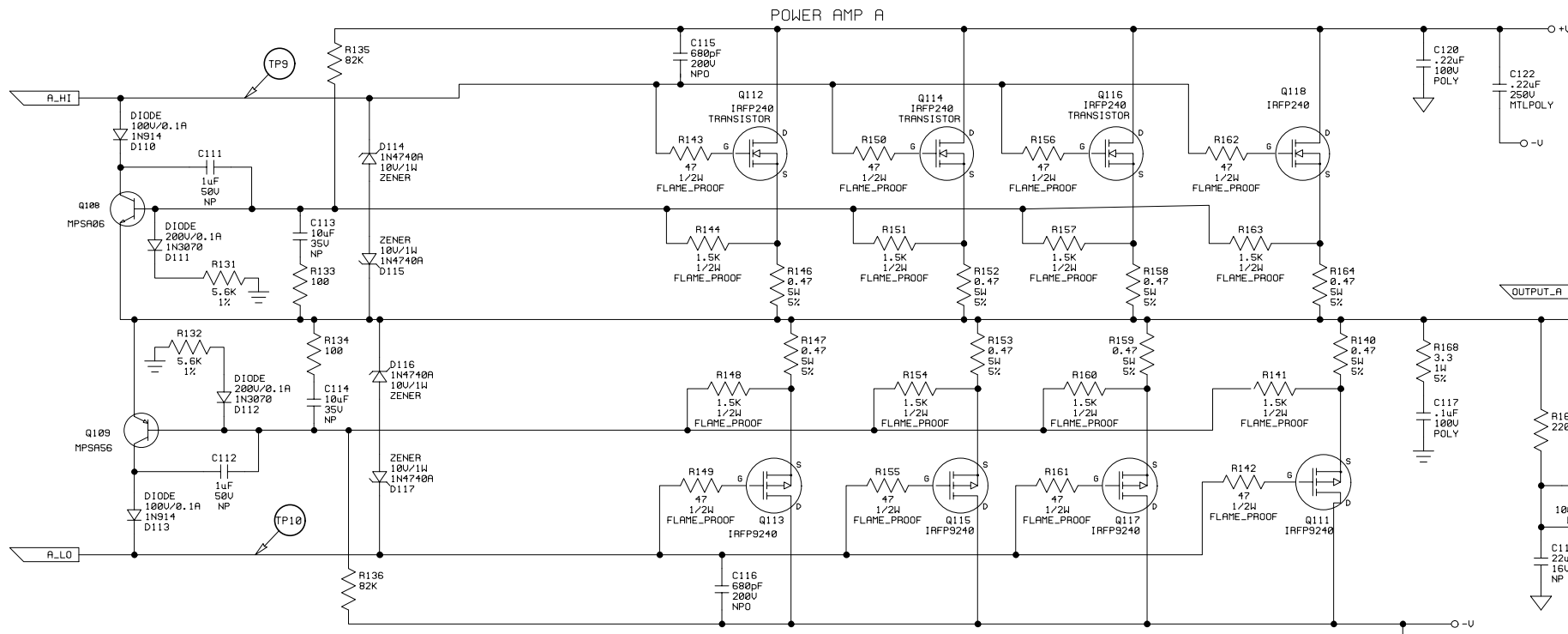
DRAWING TYPE: SCHEMATIC

CLASS CODE: POWER AMP

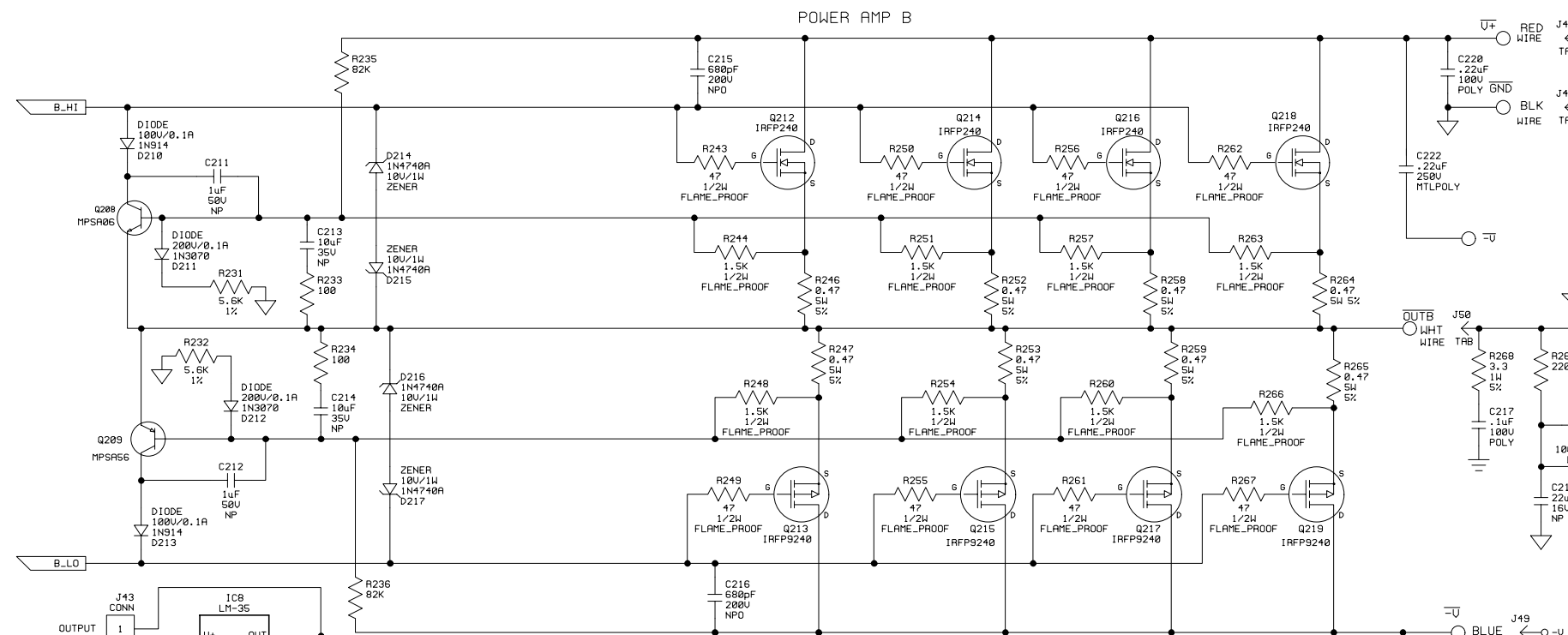
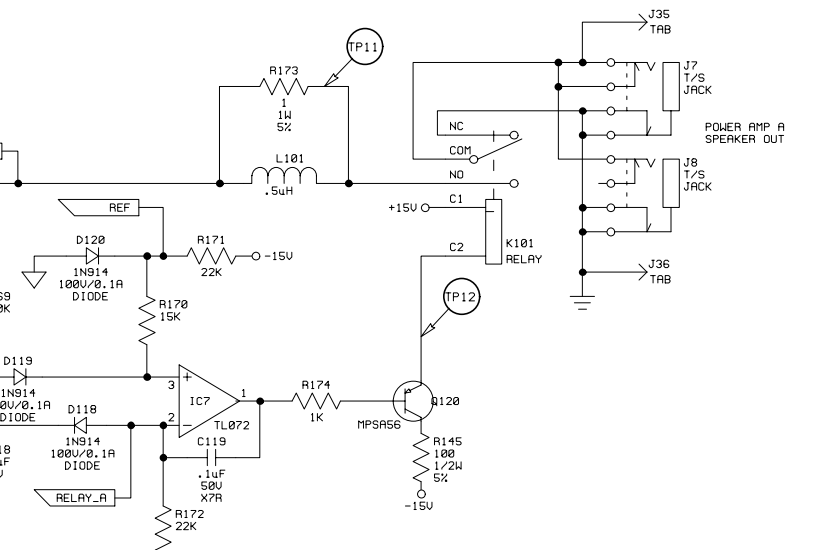
SCALE: NONE SHEET: SHT 1 OF 15 DRAWING NO.: 07S442-XX

NOTES:
 1) THIS UNIT CONTAINS HIGH-VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5K TOL. VOLTAGES ARE MEASURED WITH A MEGOHM OSCILLOSCOPE THAT EMPLOYED IN THE OPERATING INSTRUCTIONS.
 3) VOLTAGES ARE MEASURED WITH A MEGOHM OSCILLOSCOPE THAT EMPLOYED IN THE OPERATING INSTRUCTIONS.

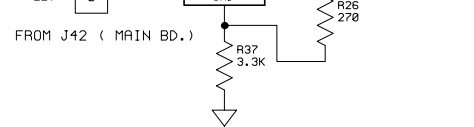
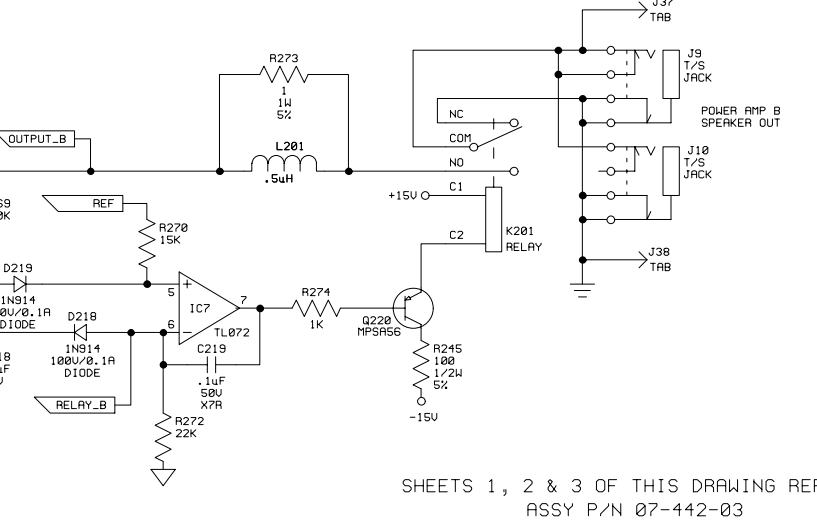
CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. THIS SCHEMATIC IS NOT TO BE USED AS A REFERENCE TO QUALIFIED PERSONNEL. THIS SCHEMATIC IS NOT TO BE USED AS A REFERENCE TO QUALIFIED PERSONNEL. THIS SCHEMATIC IS NOT TO BE USED AS A REFERENCE TO QUALIFIED PERSONNEL.



T.P.	NO SIGNAL	40Vrms OUT @ 8 OHMS	LIMITING @ 8 OHMS AS NOTED	WAVEFORM
9	+3.6Vdc	40Vrms	41Vrms	~
10	-3.5Vdc	40Vrms	41Vrms	~
11	7.2mVdc	40Vrms	41Vrms	~
12	-11.52Vdc	-11.8Vdc	-11.8Vdc	~



BIAS ADJUSTMENT: WITH NO SIGNAL AND NO LOAD
 ADJUST AP101 TO OBTAIN AN AVERAGE OF 25 ± 5mV ACROSS R139, 140, 146, 147, 152, 153, 158, 159, 164, 165.
 ADJUST AP201 TO OBTAIN AN AVERAGE OF 25 ± 5mV ACROSS R239, 240, 246, 247, 252, 253, 258, 259, 264, 265.

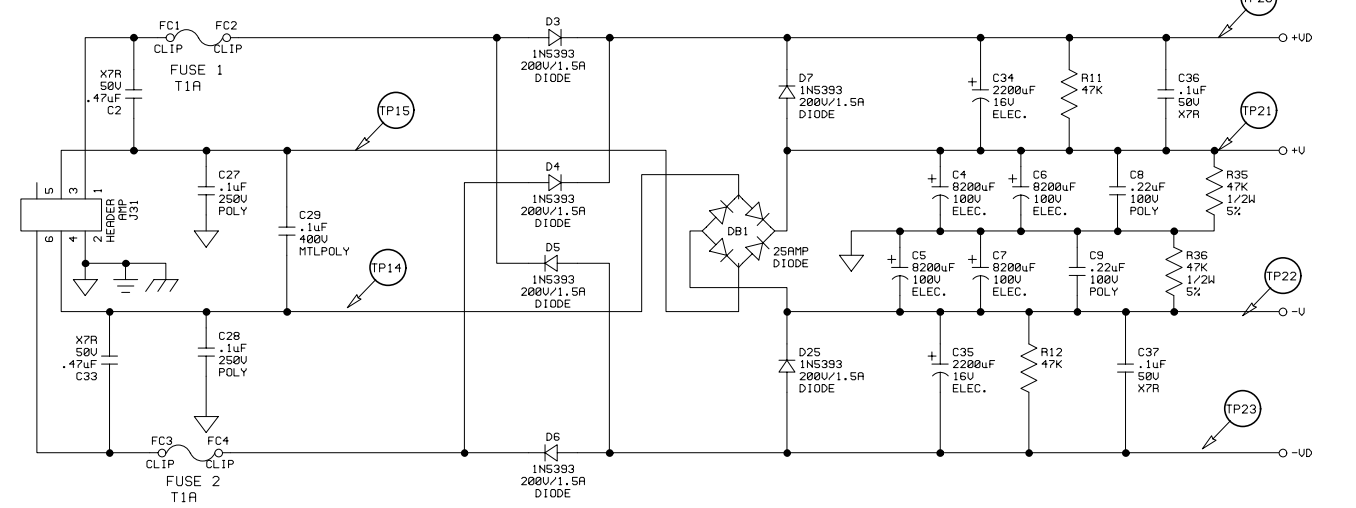
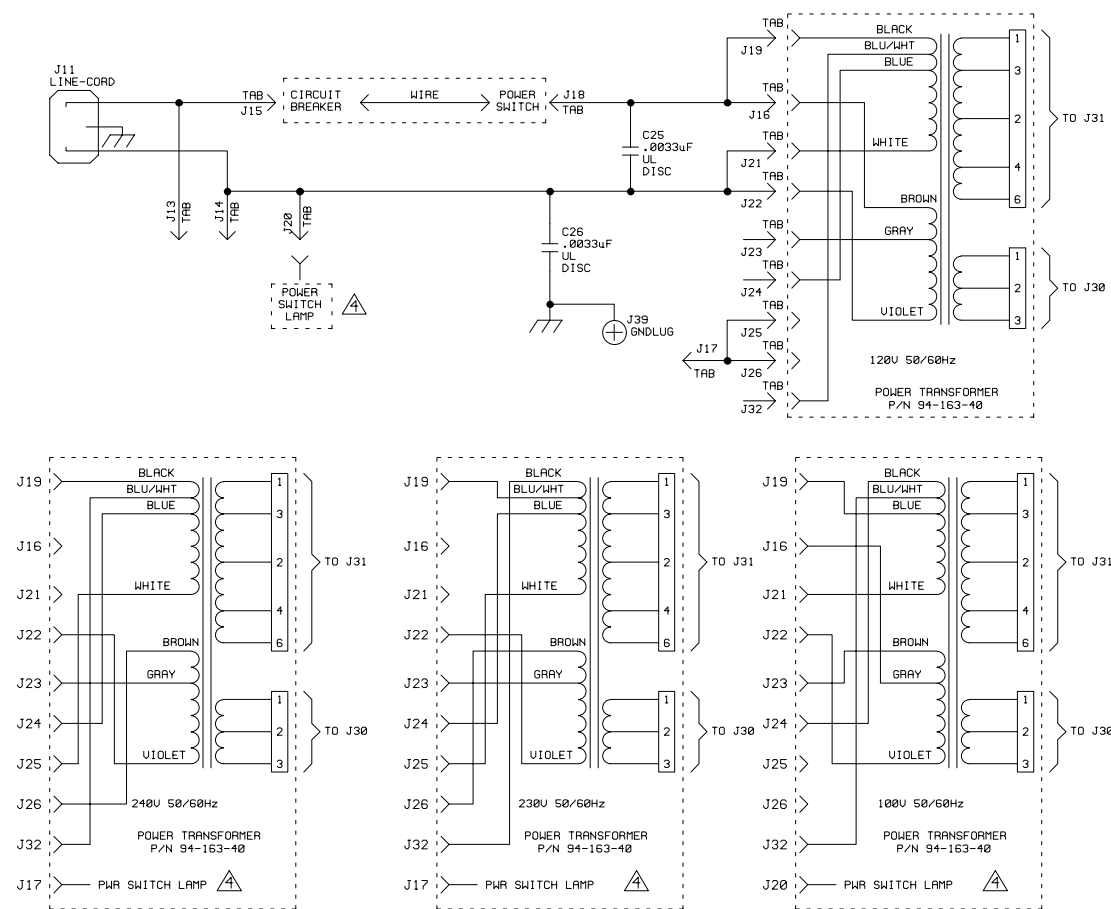


NOTES:
 1) THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.

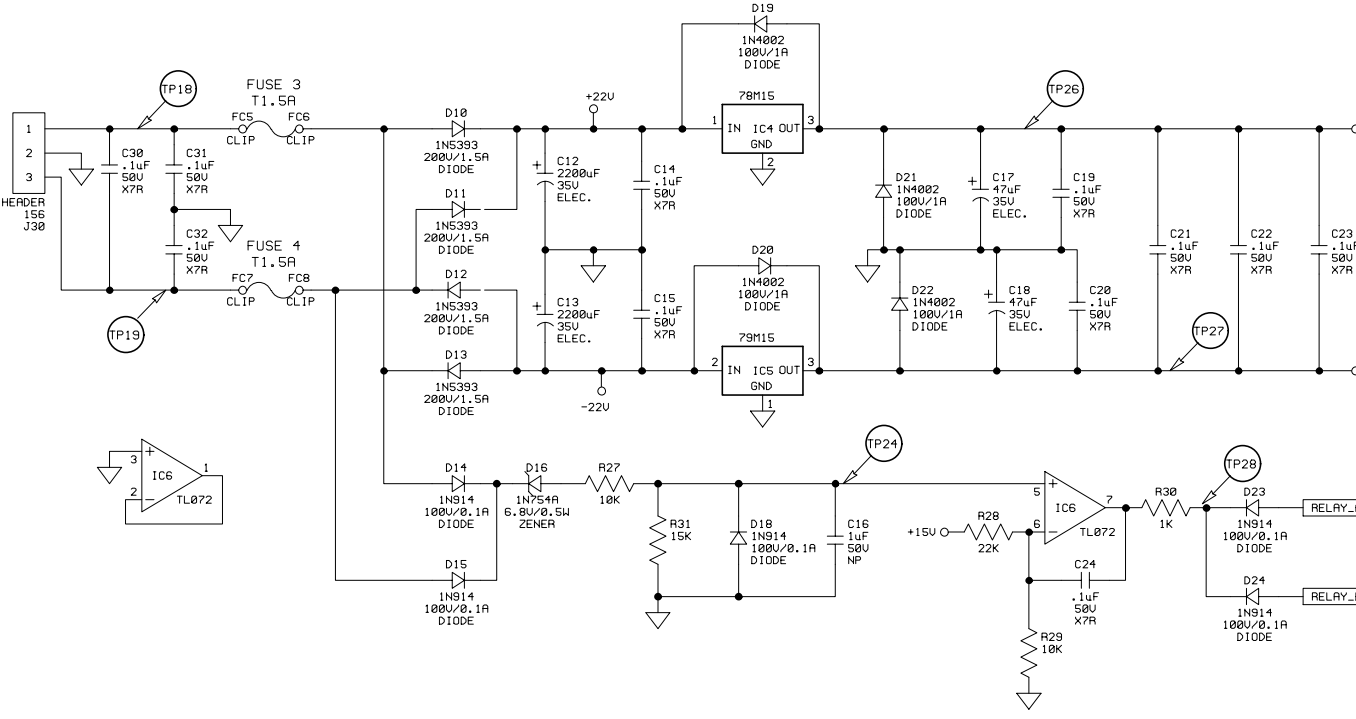
CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

SHEETS 1, 2 & 3 OF THIS DRAWING REPRESENT ASSY P/N 07-442-03

REV.	DATE:	DESCRIPTION	ECR/ECN NO.:	CHG'D BY:	APP'D BY:	DATE:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:		DATE:		11880 Borman Dr. St. Louis, Missouri 63146		
DRAWN: REM		6-25-98		FIRST USED ON:		
CHK'D:						
R/S'D:						
TOLERANCES:		DRAWING SIZE: D		DRAWING TITLE: POWER_AMP		
		DRAWING TYPE: - SCHEMATIC		DRAWING NO.:		
		CLASS CODE:		DRAWING NO.:		
		SCALE: NONE		SHEET: SHT 2 OF 15		
				075442-XX		



POWER SUPPLY



FAN SPEED CONTROL

OVER-TEMP PROTECTION

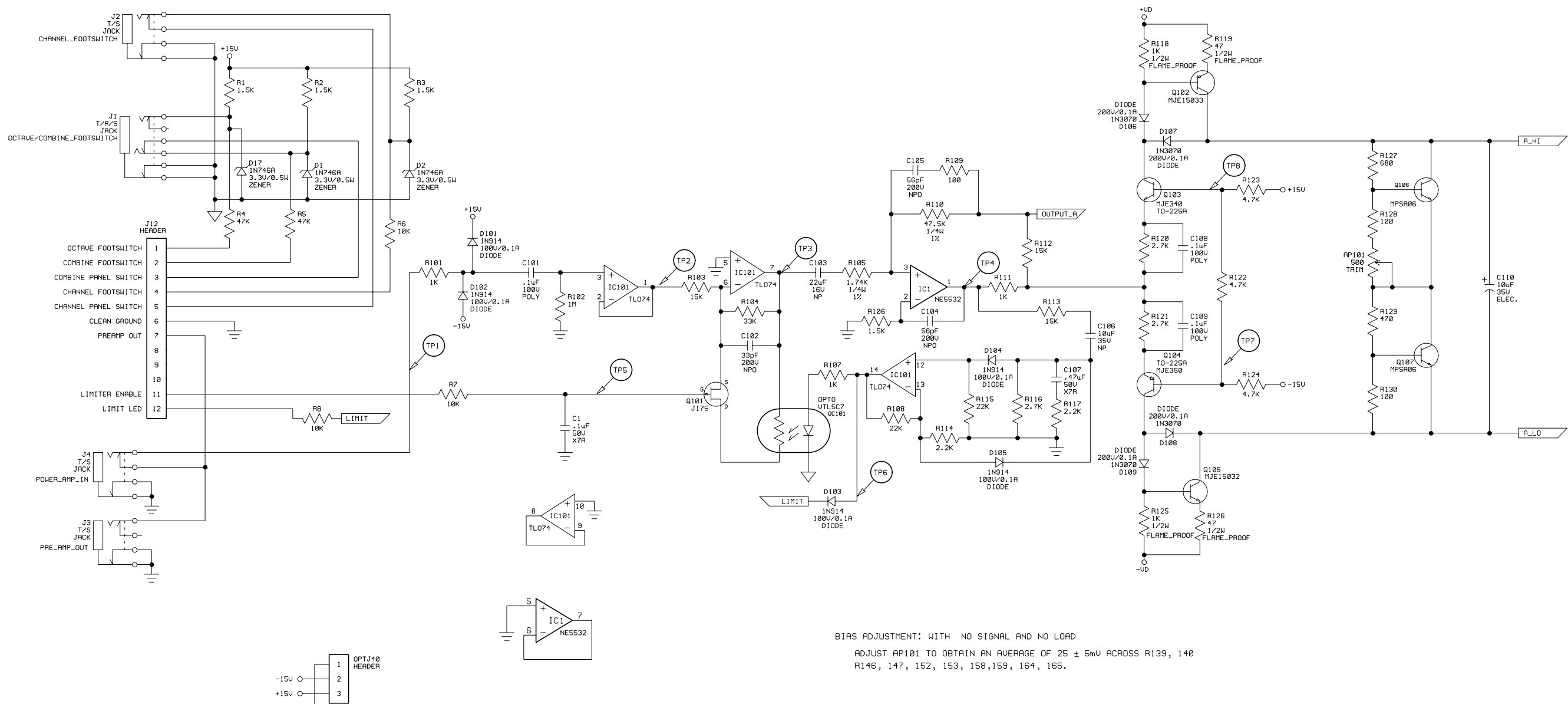
- NOTES:
- 1) THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 - 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 - 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.
 - 4) IF REQUIRED FOR CHASSIS ASSY.

CAUTION:
THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

TP	NO SIGNAL	40VRMS OUT @ 8 OHMS	LIMITING @ 8 OHMS AS NOTED	WAVEFORM
13	VARIES w/TEMP	Varies w/temp.	Varies w/temp.	—
14	61Vac	51Vac	51Vac	~
15	61Vac	51Vac	51Vac	~
16	+14Vdc	-4.6Vdc	-4.6Vdc	—
17	+14.4Vdc	+14.4Vdc	+14.4Vdc	—
18	20Vac	19Vac	19Vac	~
19	20Vac	19Vac	19Vac	~
20	+71Vdc	+64.5Vdc	+64.5Vdc	~
21	+63Vdc	+59Vdc	+59Vdc	~
22	-63Vdc	-59Vdc	-59Vdc	~
23	-71Vdc	-64.5Vdc	-64.5Vdc	~
24	+6Vdc	+5.73Vdc	+5.73Vdc	—
25	NOT USED	—	—	—
26	+15Vdc	+15Vdc	+15Vdc	—
27	-15Vdc	-15Vdc	-15Vdc	—
28	+14.3Vdc	+14.3Vdc	+14.3Vdc	—

SHEETS 1, 2 & 3 OF THIS DRAWING REPRESENT ASSY P/N 07-442-03

REV:	DATE:	DESCRIPTION:	ECR/ECN NO:	CHG'D BY:	APP'D BY:	DATE:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:		DATE:		11880 Borean Dr. St. Louis, Missouri 63146		
DRAWN: REM		6-25-98		FIRST USED ON:		
CHK'D:				-		
R/S'D:				-		
TOLERANCES:		DRAWING SIZE: D		DRAWING TITLE: POWER_LAMP		
		DRAWING TYPE: SCHEMATIC		DRAWING NO.:		
		CLASS CODE:		07S442-XX		
		SCALE: NONE		SHEET: SHT 3 OF 15		



BIAS ADJUSTMENT: WITH NO SIGNAL AND NO LOAD
 ADJUST AP101 TO OBTAIN AN AVERAGE OF 25 ± 5mV ACROSS R139, 140
 R146, 147, 152, 153, 158, 159, 164, 165.

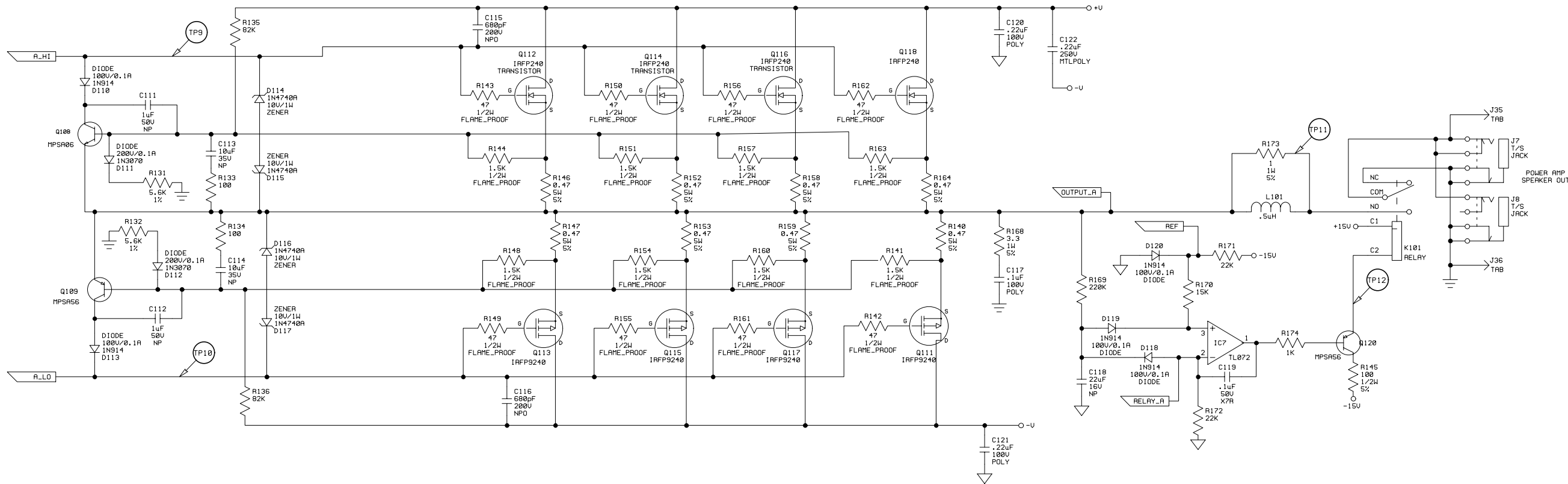
T.P.	NO SIGNAL	40VRMS OUT @ 8 OHMS	LIMITING @ 8 OHMS	AS NOTED	WAVEFORM
* 1	—	0.68Vrms	0.79Vrms	—	~
* 2	—	0.68Vrms	0.79Vrms	—	~
3	+/-20mVdc	1.5V	1.5V	—	~
4	+/-1Vdc	2.6Vdc	2.6Vdc	—	AS SHOWN PER COLUMN
5	+7mVdc	1.9mV	2.7mV	—	—
6	+5Vdc	+4.82Vdc	+4.82Vdc	—	—
7	-5Vdc	-5.12Vdc	-5.12Vdc	—	—
8	0V	+43.6mVdc	+74mVdc	—	~

- NOTES:
- 1) THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 - 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 - 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.

CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

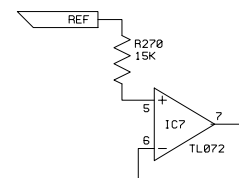
SHEETS 4, 5 & 6 OF THIS DRAWING REPRESENTS
 ASSY P/N 07-442-11

REV.	DATE:	DESCRIPTION	ECR/ECN NO:	CHG'D BY:	APP'D BY:	DATE:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:		DATE:		11888 Borman Dr. St. Louis, Missouri 1 63146		
DRAWN:	REM	6-25-98		FIRST USED ON:		
CHK'D:		—				
DES'G:		—				
TOLERANCES:	DRAWING SIZE: D SCHEMATIC		DRAWING TITLE: POWER_AMP			
	DRAWING TYPE: —		DRAWING NO.: 07S442-XX			
	CLASS CODE: —		SHEET: SHT 4 OF 15			
	SCALE: NONE					



BIAS ADJUSTMENT: WITH NO SIGNAL AND NO LOAD
 ADJUST AP101 TO OBTAIN AN AVERAGE OF $25 \pm 5mV$ ACROSS R139, 140
 R146, 147, 152, 153, 158, 159, 164, 165.

T.P.	NO SIGNAL	40VRMS OUT @ 8 OHMS	LIMITING @ 8 OHMS AS NOTED	WAVEFORM
9	+3.6Vdc	40Vrms	41Vrms	~
10	-3.5Vdc	40Vrms	41Vrms	~
11	7.2mVdc	40Vrms	41Vrms	~
12	-11.52Vdc	-11.8Vdc	-11.8Vdc	—

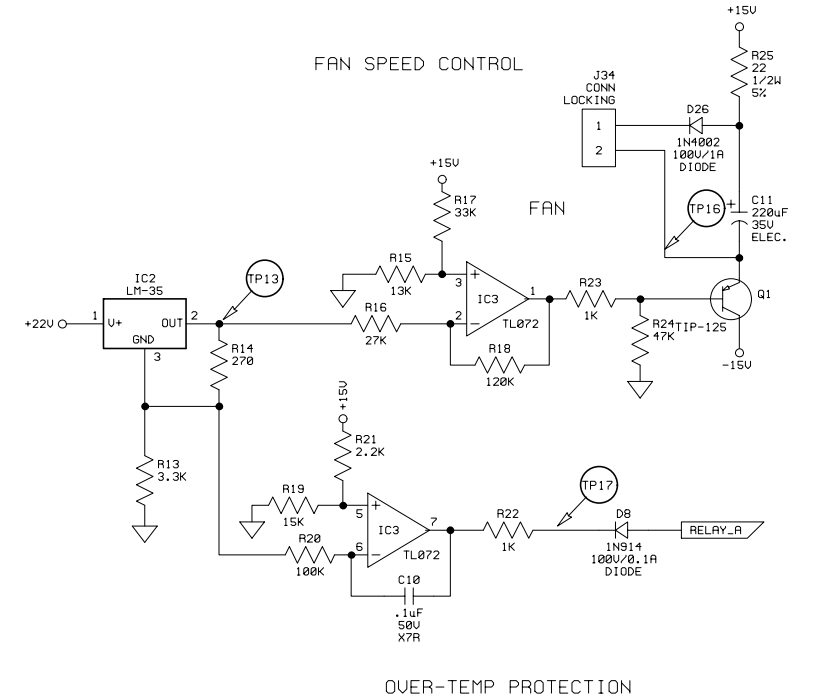
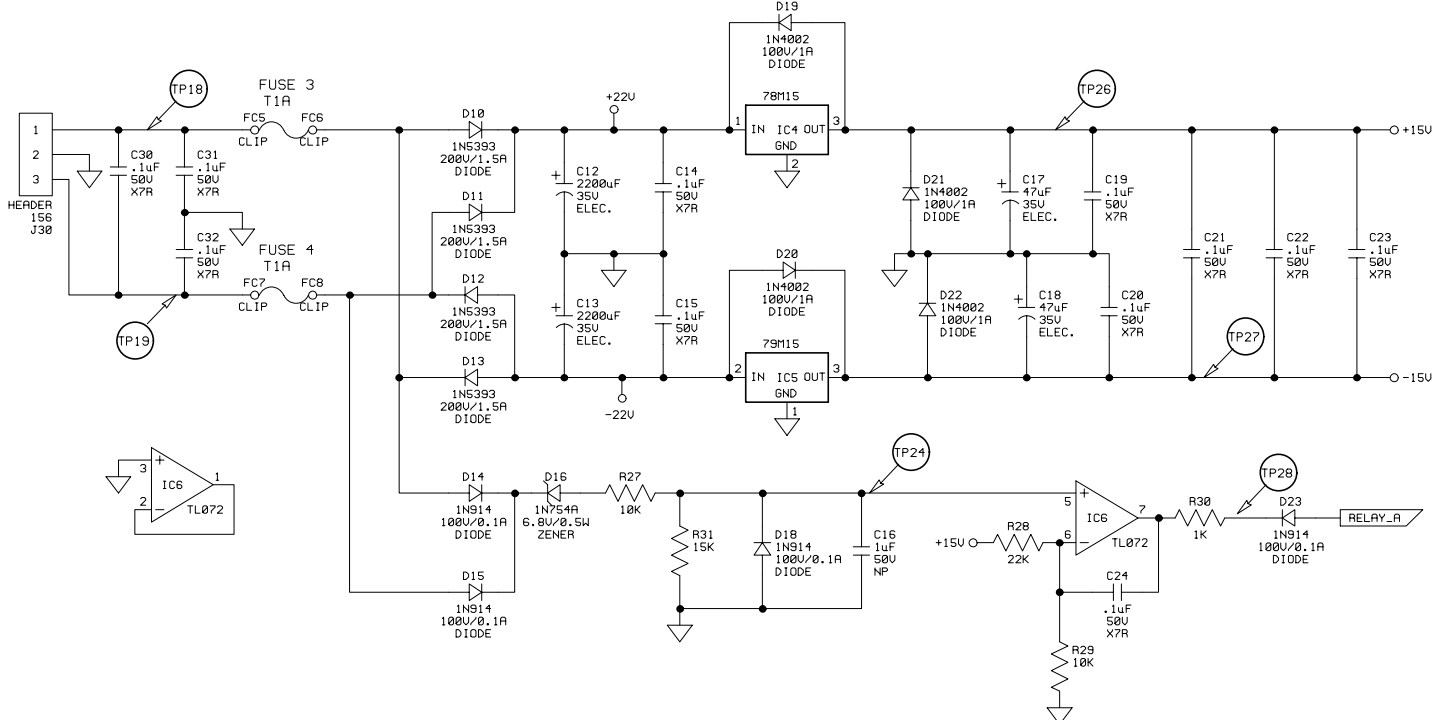
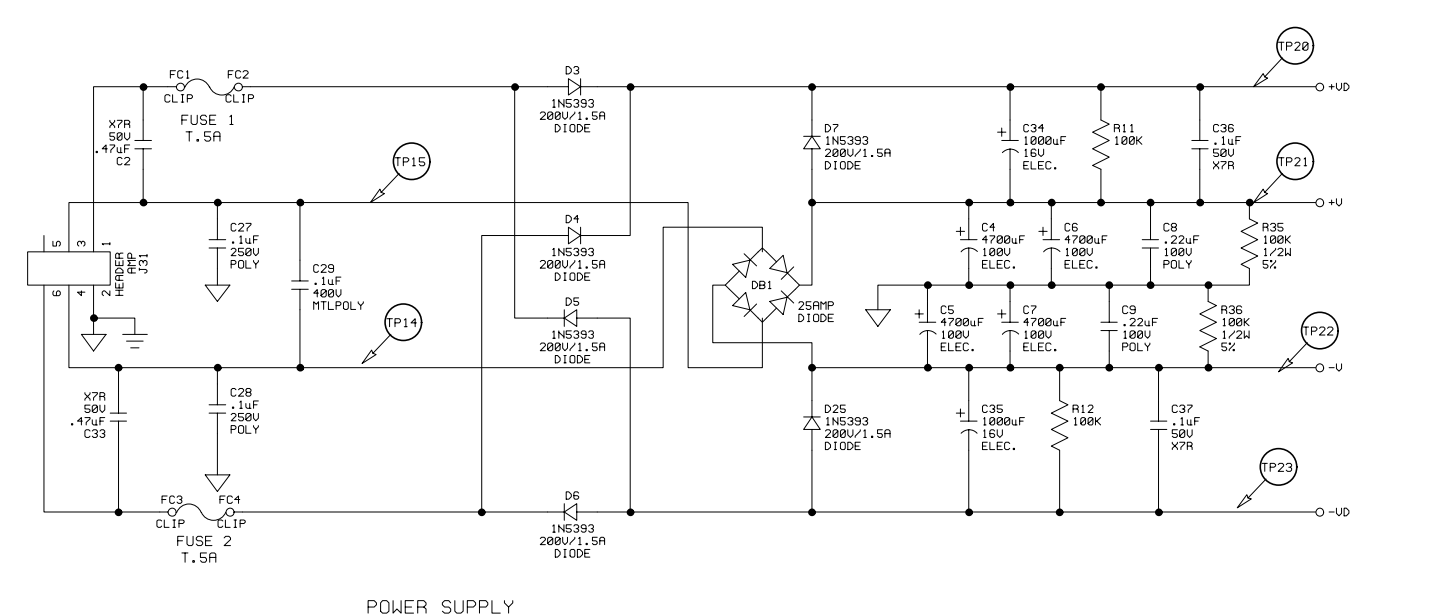
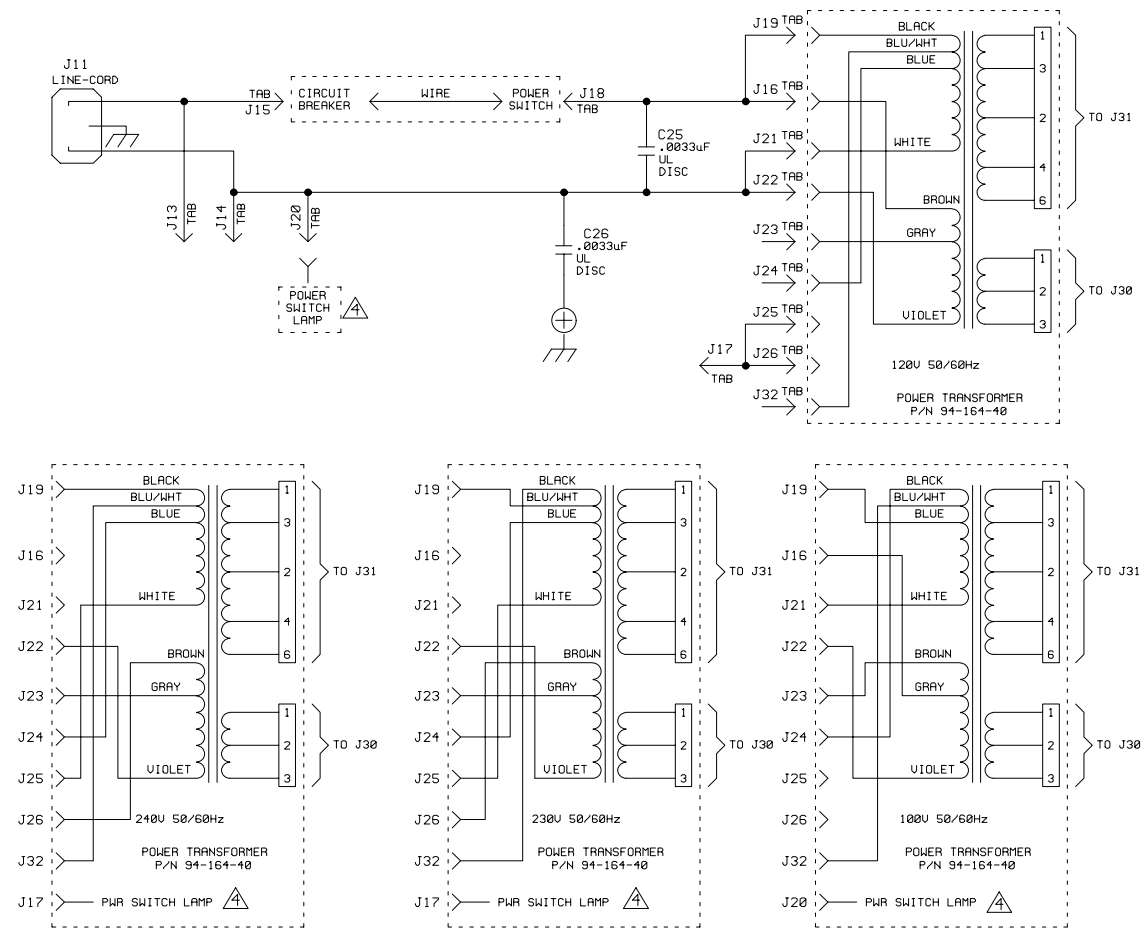


- NOTES:
- 1) THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 - 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 - 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.

CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL.
 TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

SHEETS 4, 5 & 6 OF THIS DRAWING REPRESENTS
 ASSY P/N 07-442-11

REV	DATE	DESCRIPTION	ECR/ECN NO.	CHG'D BY	APP'D BY	DATE
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:		DATE:	11880 Bowman Dr. St. Louis, Missouri 63146			
DRAWN:	REM	6-25-98	FIRST USED ON:			
CHK'D:			DRAWING TITLE:			
RLS'D:			DRAWING NO.:			
TOLERANCES:		DRAWING SIZE: D	DRAWING TITLE:			
		DRAWING TYPE: - SCHEMATIC	DRAWING NO.:			
		CLASS CODE:	DRAWING NO.:			
		SCALE: NONE	SHEET: 5 OF 15			
			07S442-XX			



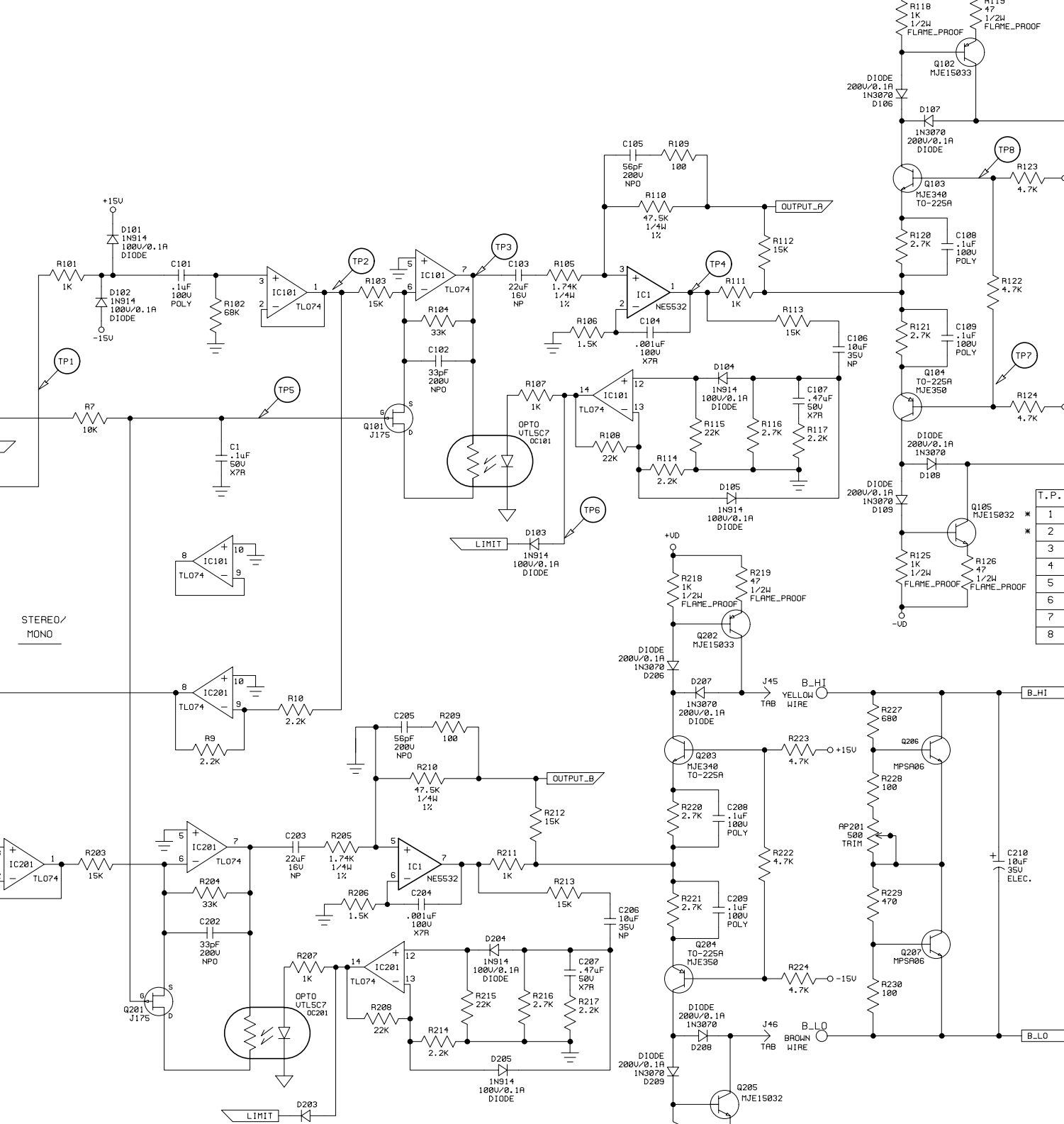
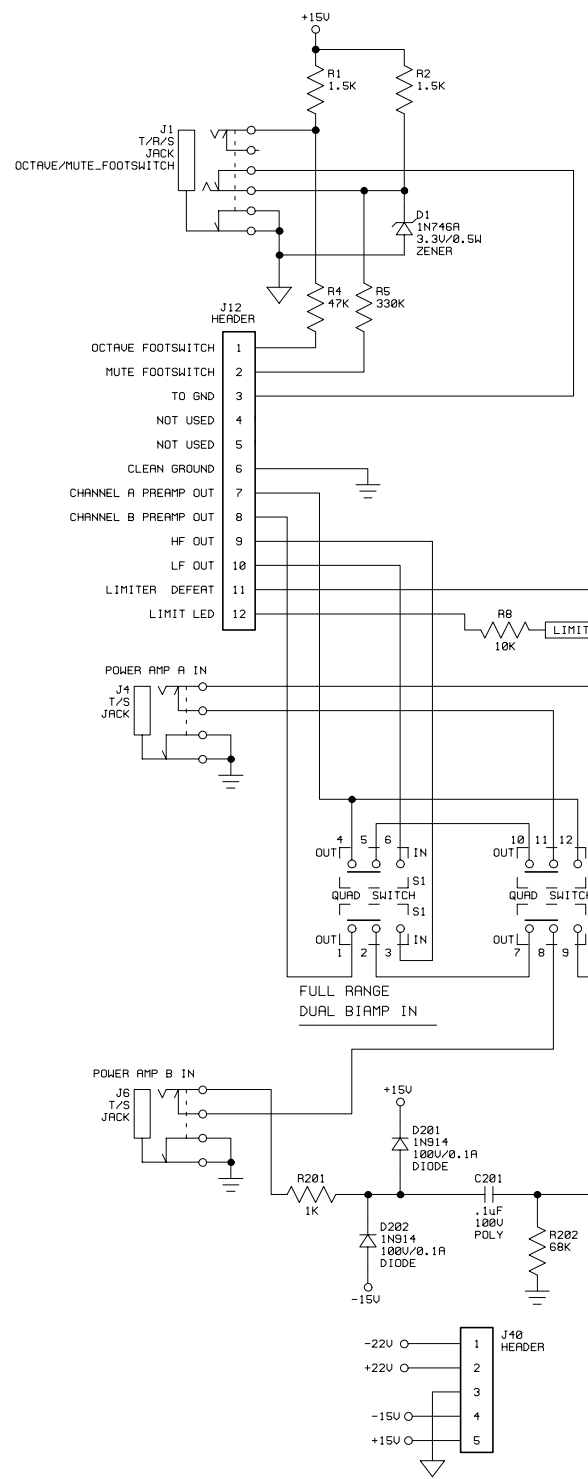
- NOTES:
- THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 - UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 - VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.
 - IF REQUIRED FOR CHASSIS ASSY.

CAUTION:
THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

TP	NO SIGNAL	40URMS OUT @ 8 OHMS	LIMITING @ 8 OHMS	AS NOTED	WAVEFORM
13	VARIES w/TEMP	Varies w/temp.	Varies w/temp.		
14	61Uac	51Uac	51Uac		~
15	61Uac	51Uac	51Uac		~
16	+14Udc	-4.6Udc	-4.6Udc		
17	+14.4Udc	+14.4Udc	+14.4Udc		
18	20Uac	19Uac	19Uac		~
19	20Uac	19Uac	19Uac		~
20	+71Udc	+64.5Udc	+64.5Udc		^
21	+63Udc	+59Udc	+59Udc		^
22	-63Udc	-59Udc	-59Udc		^
23	-71Udc	-64.5Udc	-64.5Udc		^
24	+6Udc	+5.73Udc	+5.73Udc		
25	NOT USED				
26	+15Udc	+15Udc	+15Udc		
27	-15Udc	-15Udc	-15Udc		
28	+14.3Udc	+14.3Udc	+14.3Udc		

SHEETS 4, 5 & 6 OF THIS DRAWING REPRESENTS ASSY P/N 07-442-11

REV.	DATE:	DESCRIPTION	ECR/ECN NO:	CHG'D BY:	APP'D BY:	DATE:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:		DATE:	11880 Bowman Dr. St. Louis, Missouri 63146			
DRAWN:	REM	6-25-98				
CHK'D:			FIRST USED ON:			
ALS'D:						
TOLERANCES:	DRAWING SIZE: D	DRAWING TITLE:		POWER_AMP		
	DRAWING TYPE: - SCHEMATIC	DRAWING NO.:		07S442-XX		
	CLASS CODE:	SCALE: NONE		SHEET: 6 OF 15		



BIAS ADJUSTMENT: WITH NO SIGNAL AND NO LOAD
 ADJUST AP101 TO OBTAIN AN AVERAGE OF 25 ± 5mV ACROSS R139, 140, 146, 147, 152, 153, 158, 159, 164, 165.
 ADJUST AP201 TO OBTAIN AN AVERAGE OF 25 ± 5mV ACROSS R239, 240, 246, 247, 252, 253, 258, 259, 264, 265.

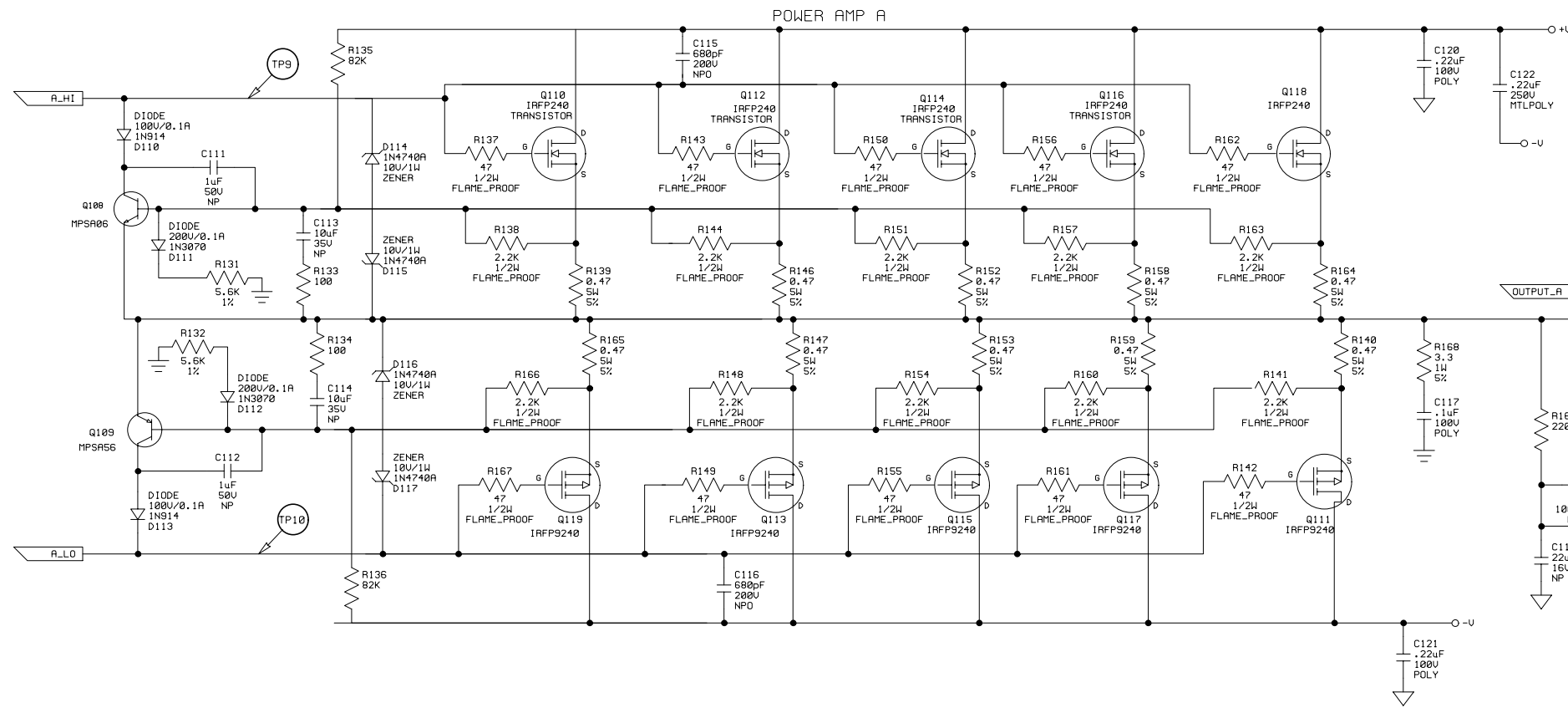
T.P.	NO SIGNAL	40Vrms OUT @ 8 OHMS	LIMITING @ 8 OHMS AS NOTED	WAVEFORM
1		0.68Vrms	0.79Vrms	~
2		0.68Vrms	0.79Vrms	~
3	+/-20mVdc	1.5V	1.5V	~
4	+/-1Vdc	2.6Vdc	2.6Vdc	AS SHOWN PER COLUMN
5	+7mVdc	1.9mV	2.7mV	~
6	+5Vdc	+4.82Vdc	+4.82Vdc	~
7	-5Vdc	-5.12Vdc	-5.12Vdc	~
8	0V	+43.6mVdc	+74mVdc	~

SHEETS 7, 8 & 9 OF THIS DRAWING REPRESENT ASSY P/N 07-442-21

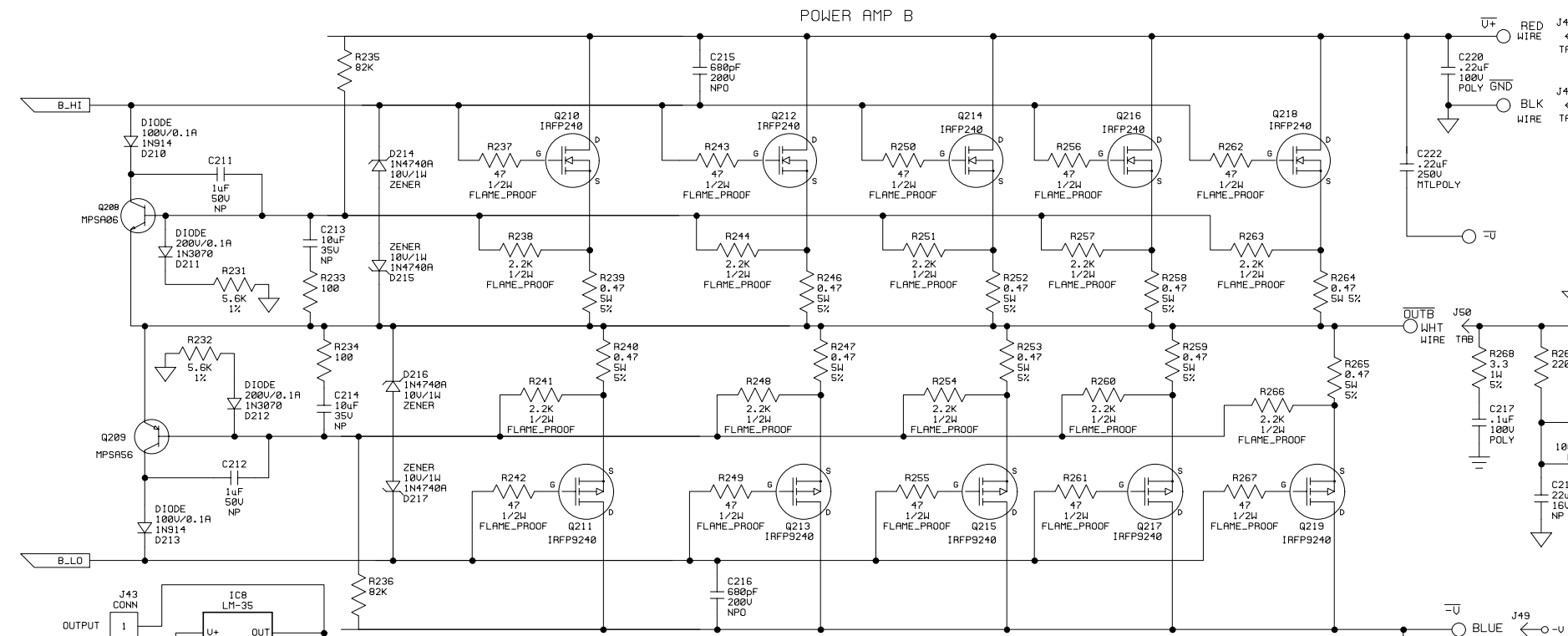
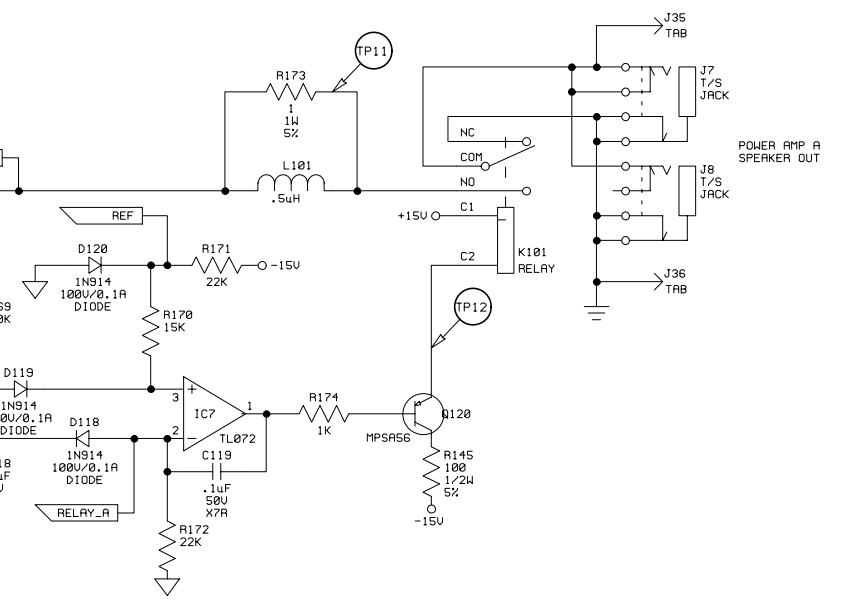
- NOTES:
- THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 - UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 - VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.

CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

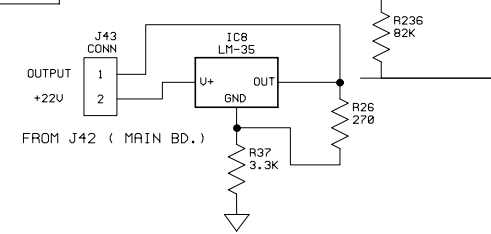
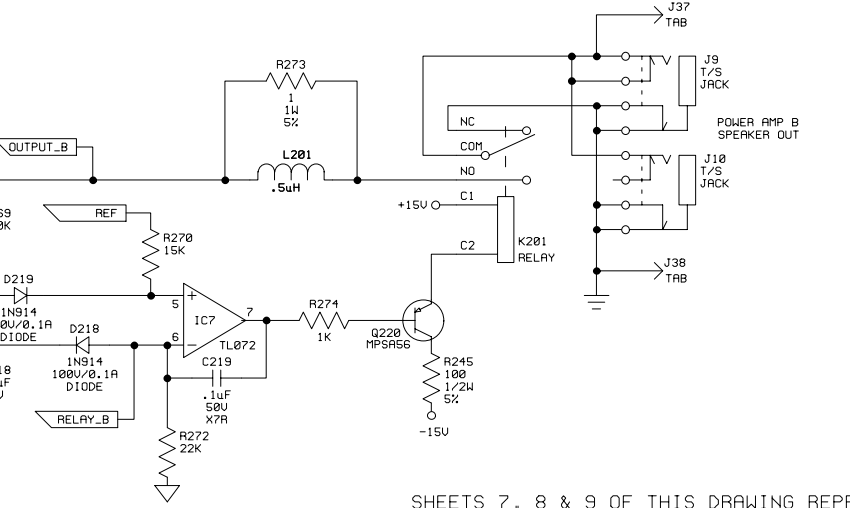
REV:	DATE:	DESCRIPTION:	ECR/ECN NO.:	CHK'D BY:	APP'D BY:	DATE:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:		DATE:	11888 Borman Dr. St. Louis, Missouri 63146			
DRAWN: REM		6-25-98				
CHK'D:		FIRST USED ON:				
RLS'D:						
TOLERANCES:	DRAWING SIZE: D	DRAWING TITLE: POWER_AMP				
	DRAWING TYPE: SCHEMATIC	DRAWING NO.:				
	CLASS CODE:	DRAWING NO.:				
	SCALE: NONE	SHEET: SHT 7 OF 15				



T.P.	NO SIGNAL	40Urms OUT @ 8 OHMS	LIMITING @ 8 OHMS AS NOTED	WAVEFORM
9	+3.5Vdc	40Urms	41Urms	~
10	-3.5Vdc	40Urms	41Urms	~
11	7.2mVdc	40Urms	41Urms	~
12	-11.52Vdc	-11.8Vdc	-11.8Vdc	—



BIAS ADJUSTMENT: WITH NO SIGNAL AND NO LOAD
 ADJUST AP101 TO OBTAIN AN AVERAGE OF 25 ± 5mV ACROSS R139, 140, R146, 147, 152, 153, 158, 159, 164, 165.
 ADJUST AP201 TO OBTAIN AN AVERAGE OF 25 ± 5mV ACROSS R239, 240, R246, 247, 252, 253, 258, 259, 264, 265.

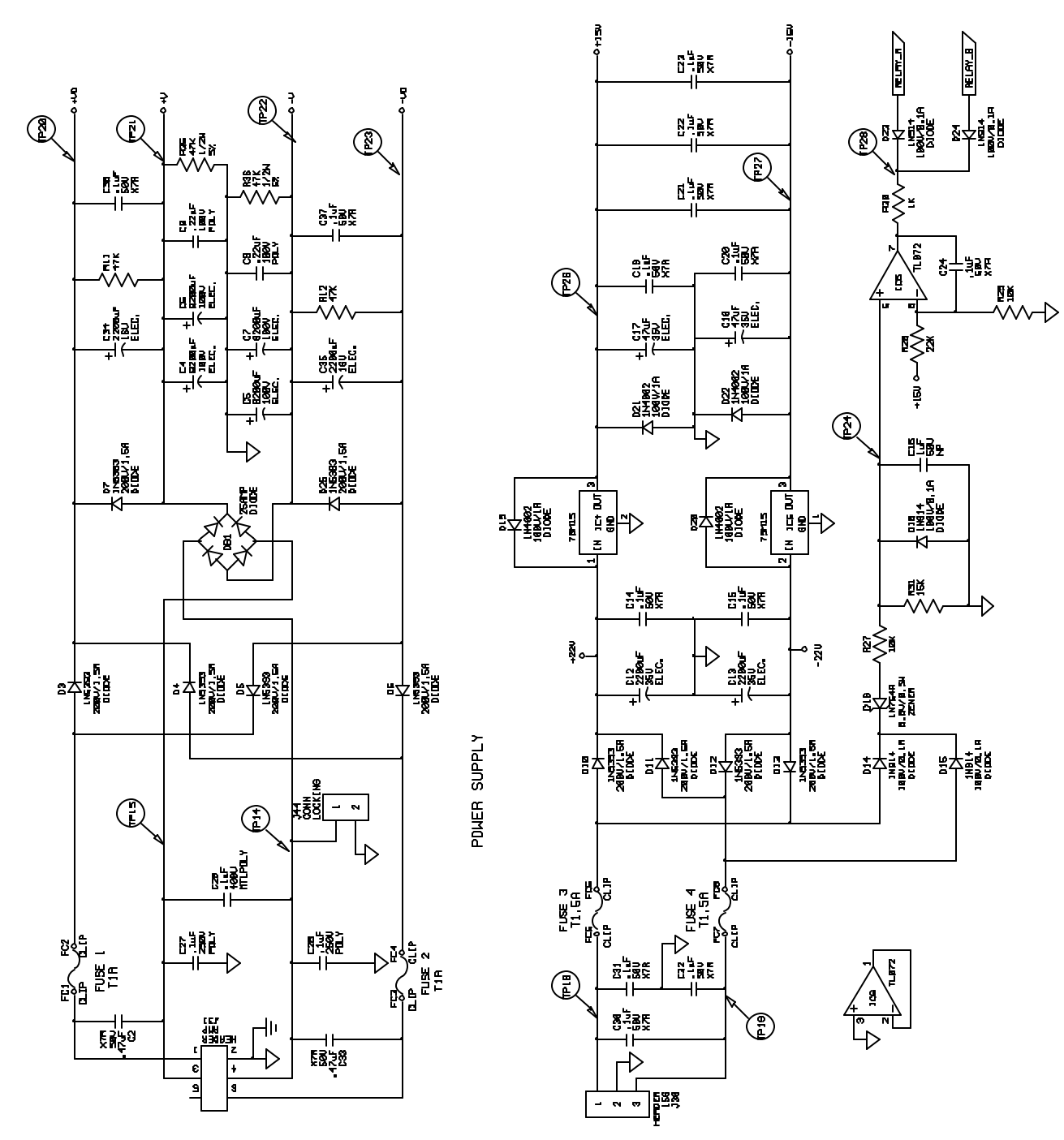
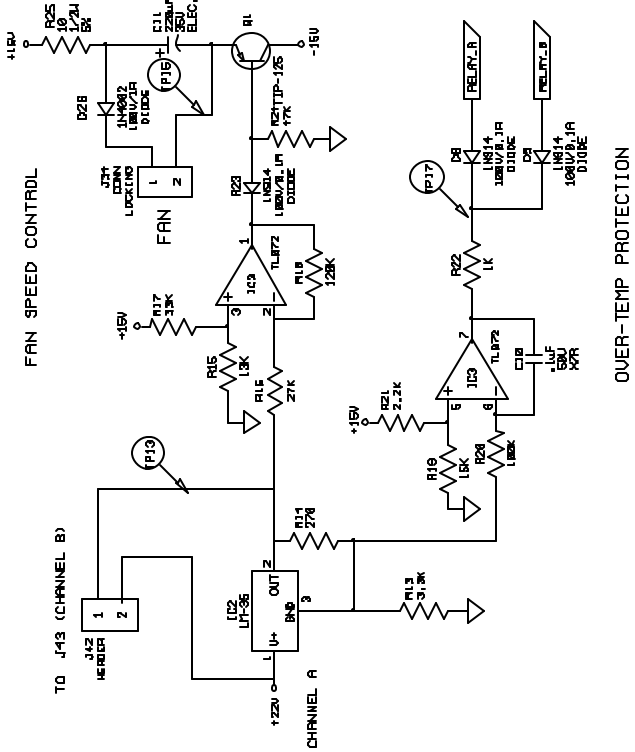
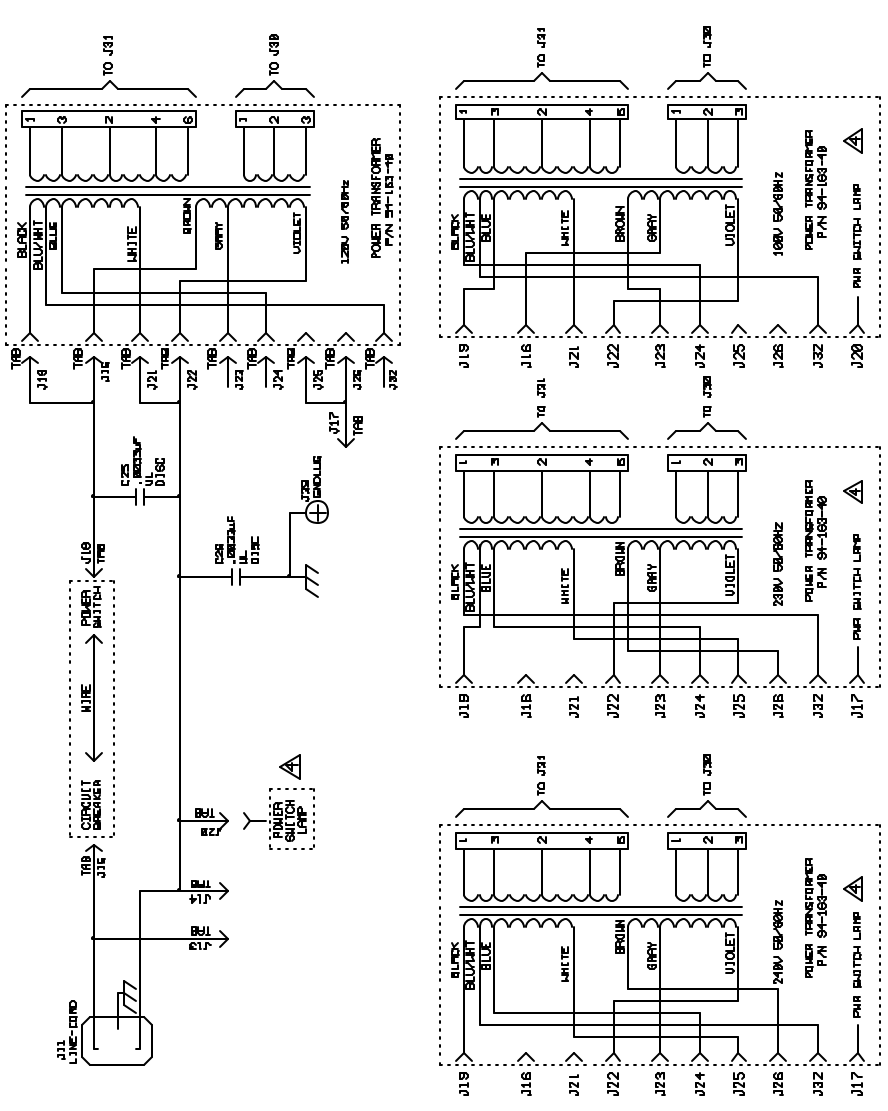


- NOTES:
- 1) THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 - 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 - 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.

CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

SHEETS 7, 8 & 9 OF THIS DRAWING REPRESENT ASSY P/N 07-442-21

REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHK'D BY:	APP'D BY:	DATE:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:		DATE:		11800 Borman Dr. St. Louis, Missouri 63140		
DRAWN: REM		6-25-98		FIRST USED ON:		
CHK'D:				DRAWING TITLE: POWER_AMP		
RLS'D:				DRAWING NO.: 07S442-XX		
TOLERANCES:		DRAWING SIZE: D		SCALE: NONE		
		DRAWING TYPE: SCHEMATIC		SHEET: 8 OF 15		



TYP	NO	SIGNAL	VOLTS OUT @ 0 OHMS	AS NOTED	WAVEFORM
13	VARIES	W/TEMP	Varies w/Temp.	Varies w/Temp.	~
14	6.1VDC	51VDC	51VDC	51VDC	~
15	6.1VDC	51VDC	51VDC	51VDC	~
16	+14.1VDC	-4.5VDC	-4.5VDC	-4.5VDC	~
17	+14.1VDC	+14.1VDC	+14.1VDC	+14.1VDC	~
18	20VDC	15VDC	15VDC	15VDC	~
19	20VDC	15VDC	15VDC	15VDC	~
20	+71.0VDC	+54.5VDC	+54.5VDC	+54.5VDC	~
21	+53.0VDC	+53.0VDC	+53.0VDC	+53.0VDC	~
22	-53.0VDC	-53.0VDC	-53.0VDC	-53.0VDC	~
23	-71.0VDC	-54.5VDC	-54.5VDC	-54.5VDC	~
24	+5.73VDC	+5.73VDC	+5.73VDC	+5.73VDC	~
25	NIT USED				
26	+15.0VDC	+15.0VDC	+15.0VDC	+15.0VDC	~
27	-15.0VDC	-15.0VDC	-15.0VDC	-15.0VDC	~
28	+14.3VDC	+14.3VDC	+14.3VDC	+14.3VDC	~

NOTES:
 1) THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND THE SIMILAR POWER SUPPLY IS OBTAINED.
 2) THERMISTOR RESISTANCE IN OHMS IN DATA SHEET.
 3) CAPACITORS ARE MEASURED WITH A HIGH QUALITY OSCILLOSCOPE AND 10 PERCENT DIGITAL MULTIMETER.
 4) IF REQUIRED FOR CHASSIS GROUND.

CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER TO THE INSTRUCTIONS THAT ACCOMPANY THIS UNIT. DO NOT PERFORM ANY REPAIRS BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

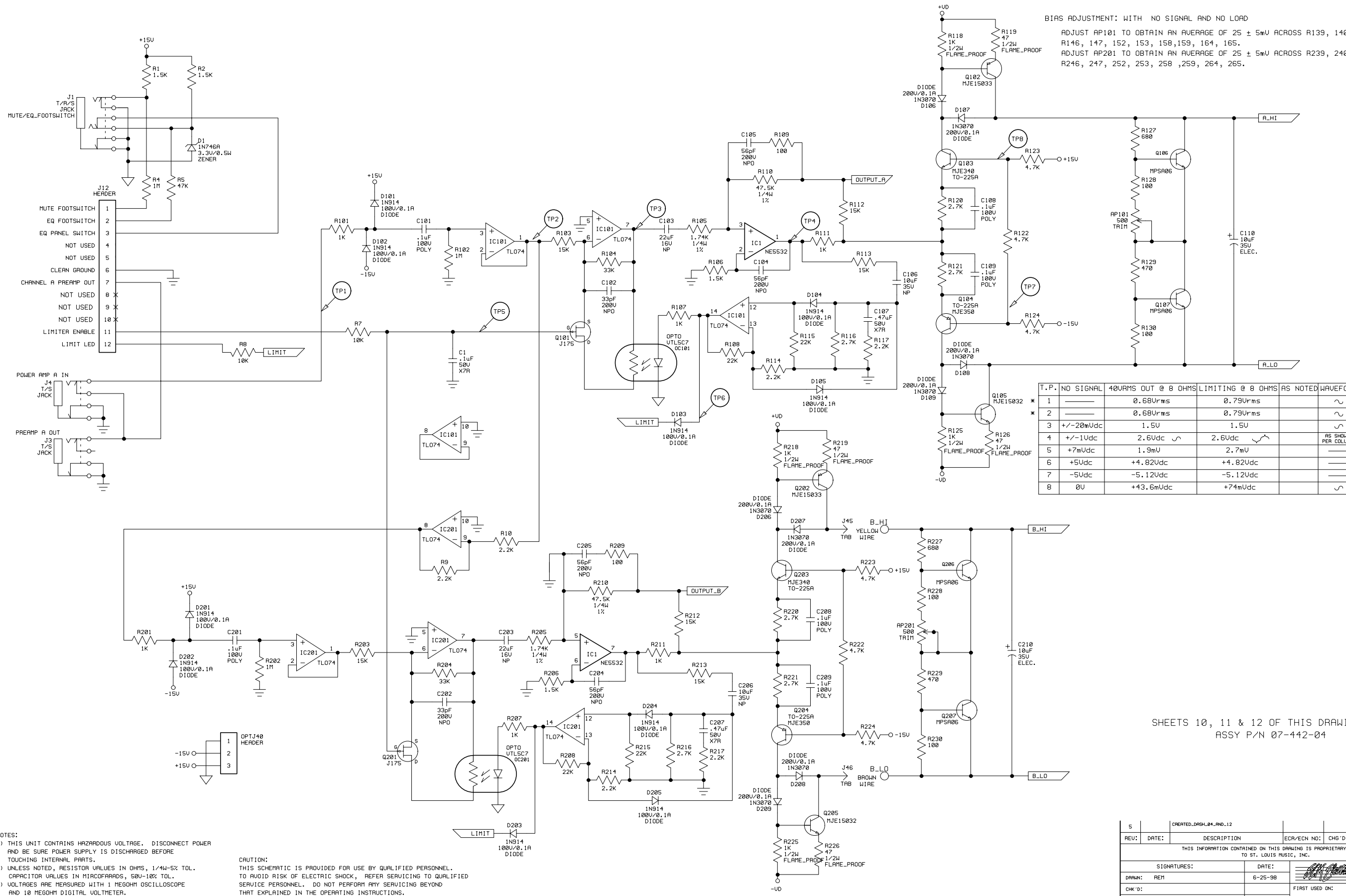
SHEETS 7, 8 & 9 OF THIS DRAWING REPRESENT ASSY P/N 07-442-21

REV	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	DATE	PRICE
1		THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS, MO. THE				
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						

POWER_SUPPLY

DATE: 07-15-88

875-442-XX

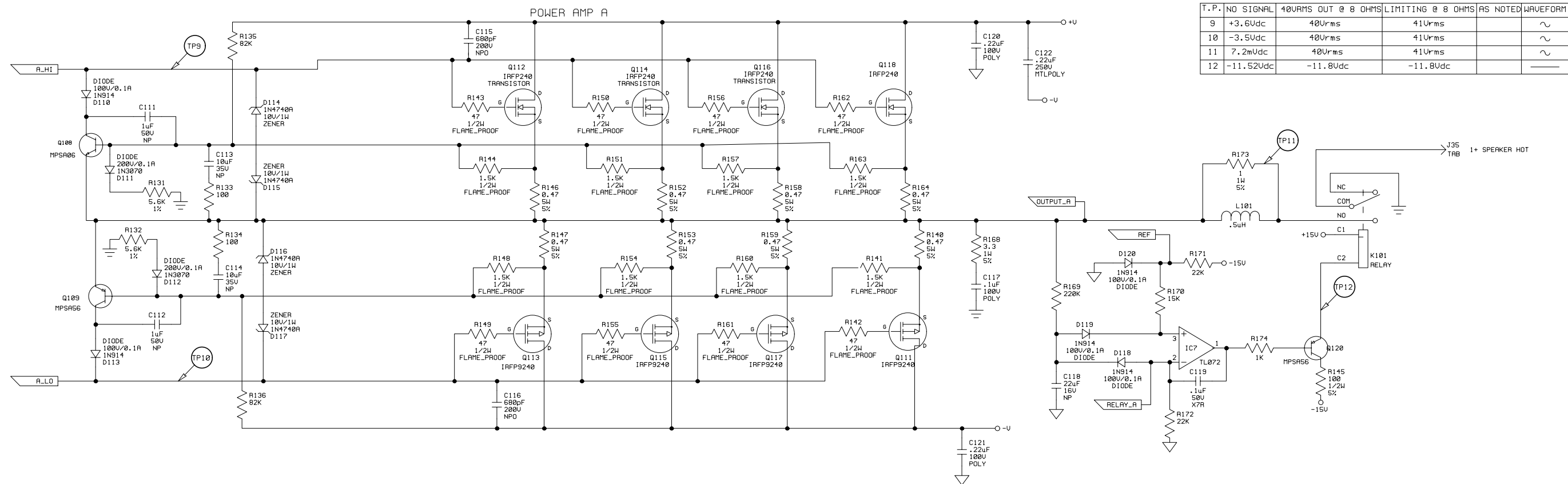


NOTES:
 1) THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.

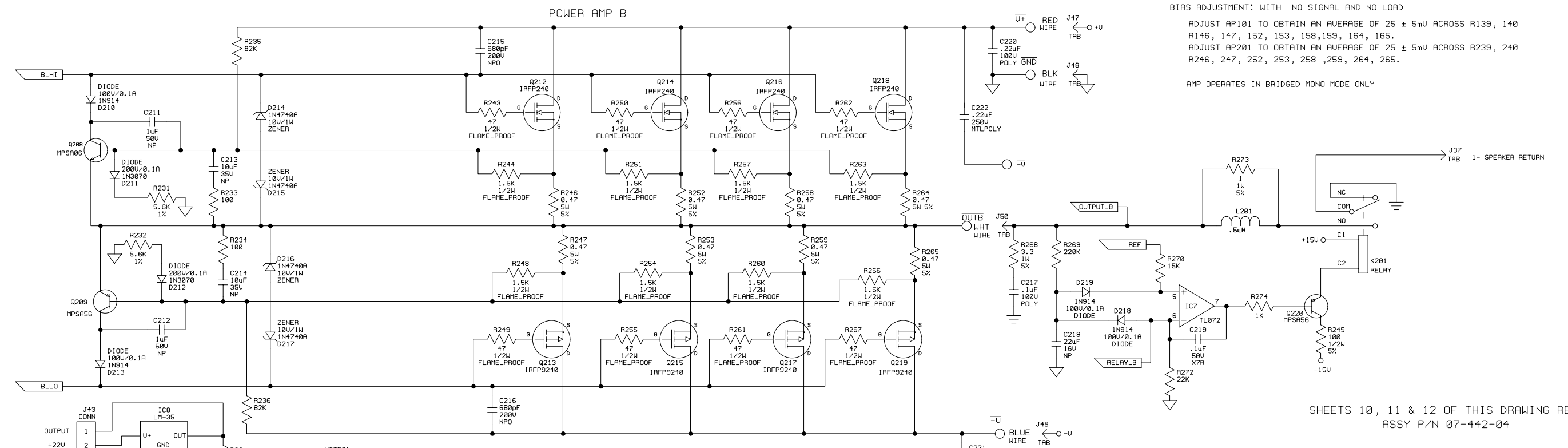
CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

SHEETS 10, 11 & 12 OF THIS DRAWING REPRESENT ASSY P/N 07-442-04

5	CREATED: 07/24/98	REV:	DATE:	DESCRIPTION:	ECR/ECN NO.:	CHG'D BY:	APP'D BY:	DATE:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.								
SIGNATURES:			DATE:		11800 Borman Dr., St. Louis, Missouri 63146			
DRAWN: REM			6-25-98		FIRST USED ON:			
CHK'D:					-			
ALS'D:					-			
TOLERANCES:		DRAWING SIZE: D		DRAWING TITLE: POWER_AMP				
		DRAWING TYPE: - SCHEMATIC		DRAWING NO.: 07S442-XX				
		CLASS CODE:						
		SCALE: NONE		SHEET: SHT 10 of 15				

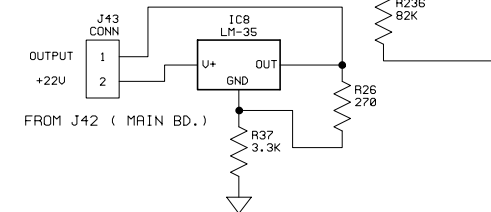


T.P.	NO SIGNAL	40VRMS OUT @ 8 OHMS	LIMITING @ 8 OHMS AS NOTED	WAVEFORM
9	+3.5Vdc	40Urms	41Urms	~
10	-3.5Vdc	40Urms	41Urms	~
11	7.2mVdc	40Urms	41Urms	~
12	-11.52Vdc	-11.8Vdc	-11.8Vdc	—



BIAS ADJUSTMENT: WITH NO SIGNAL AND NO LOAD
 ADJUST AP101 TO OBTAIN AN AVERAGE OF 25 ± 5mV ACROSS R139, 140, R146, 147, 152, 153, 158, 159, 164, 165.
 ADJUST AP201 TO OBTAIN AN AVERAGE OF 25 ± 5mV ACROSS R239, 240, R246, 247, 252, 253, 258, 259, 264, 265.

AMP OPERATES IN BRIDGED MONO MODE ONLY

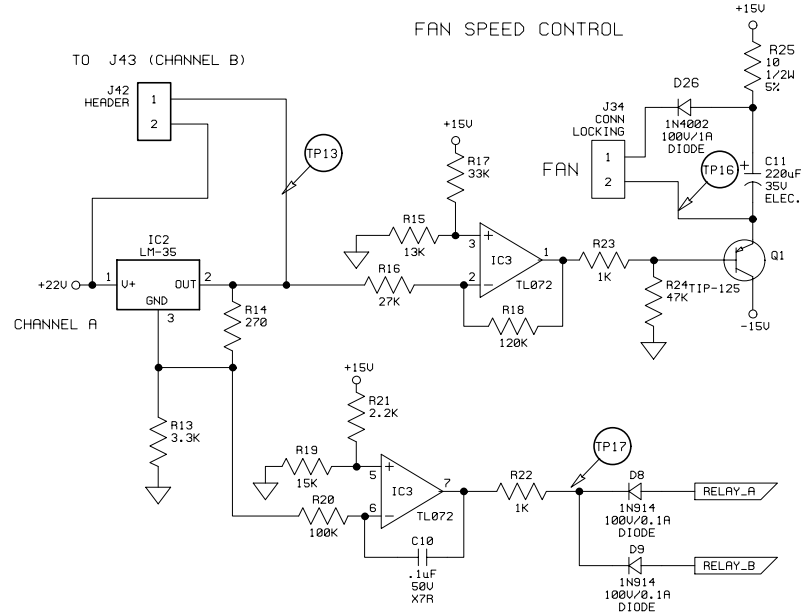
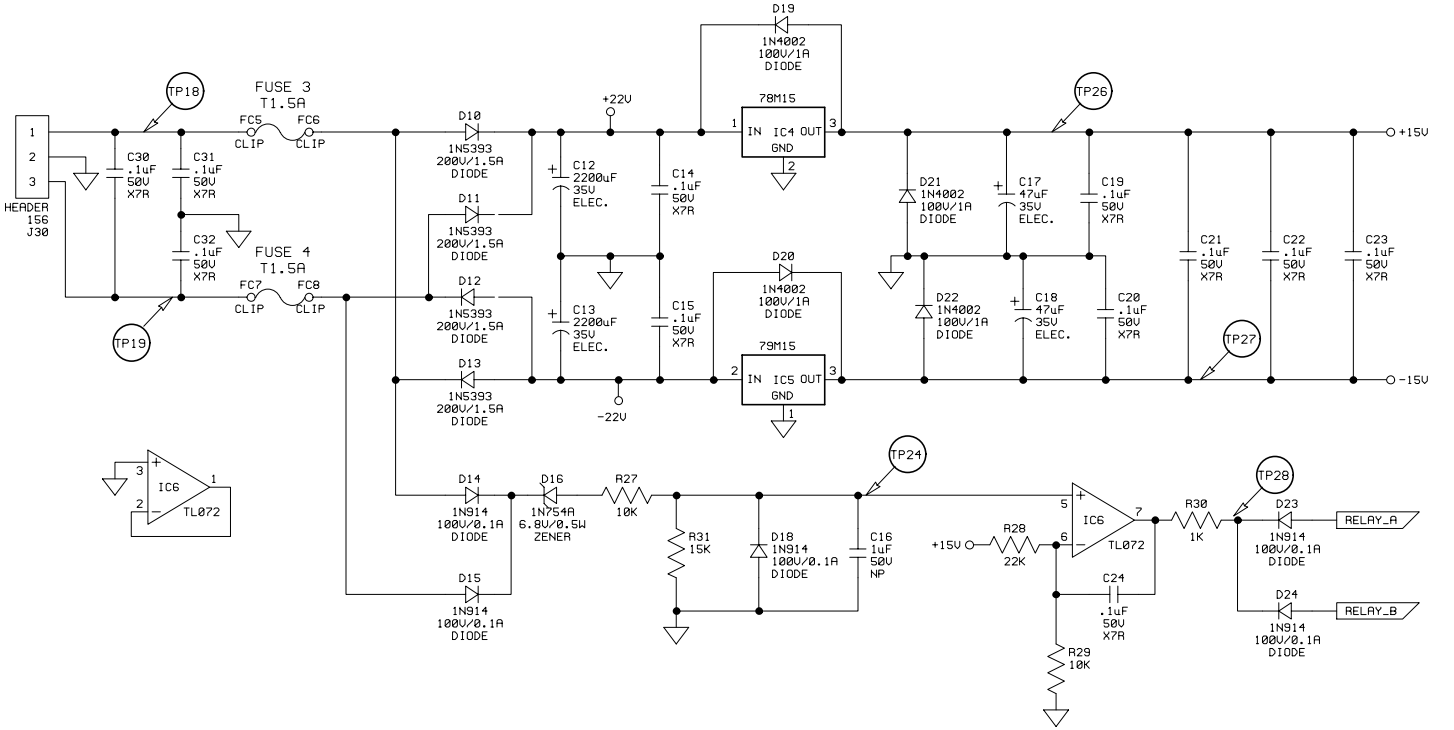
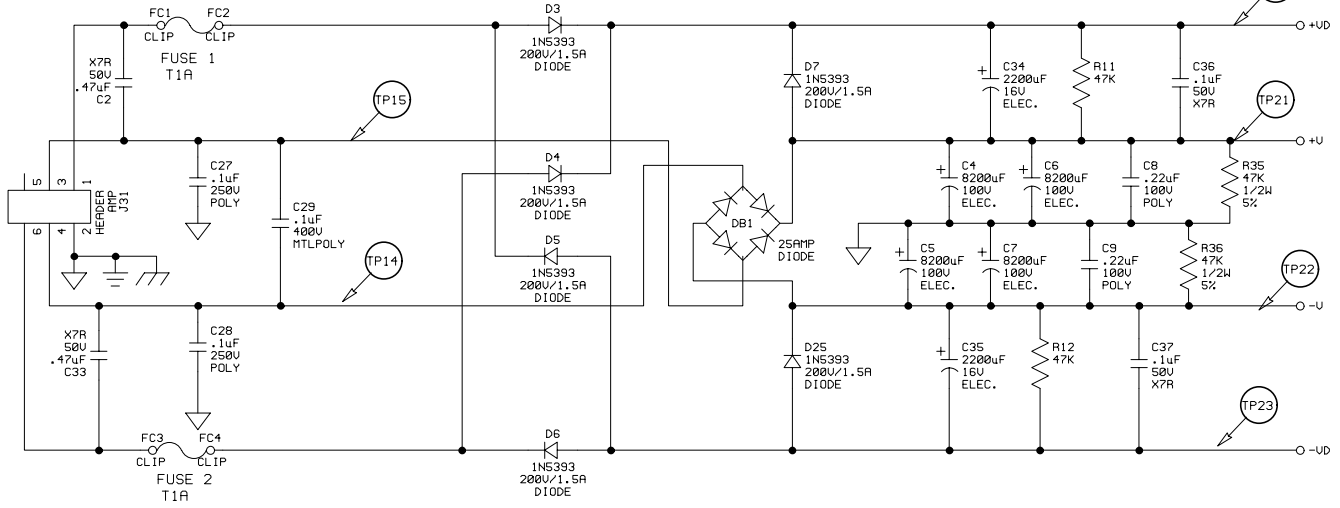
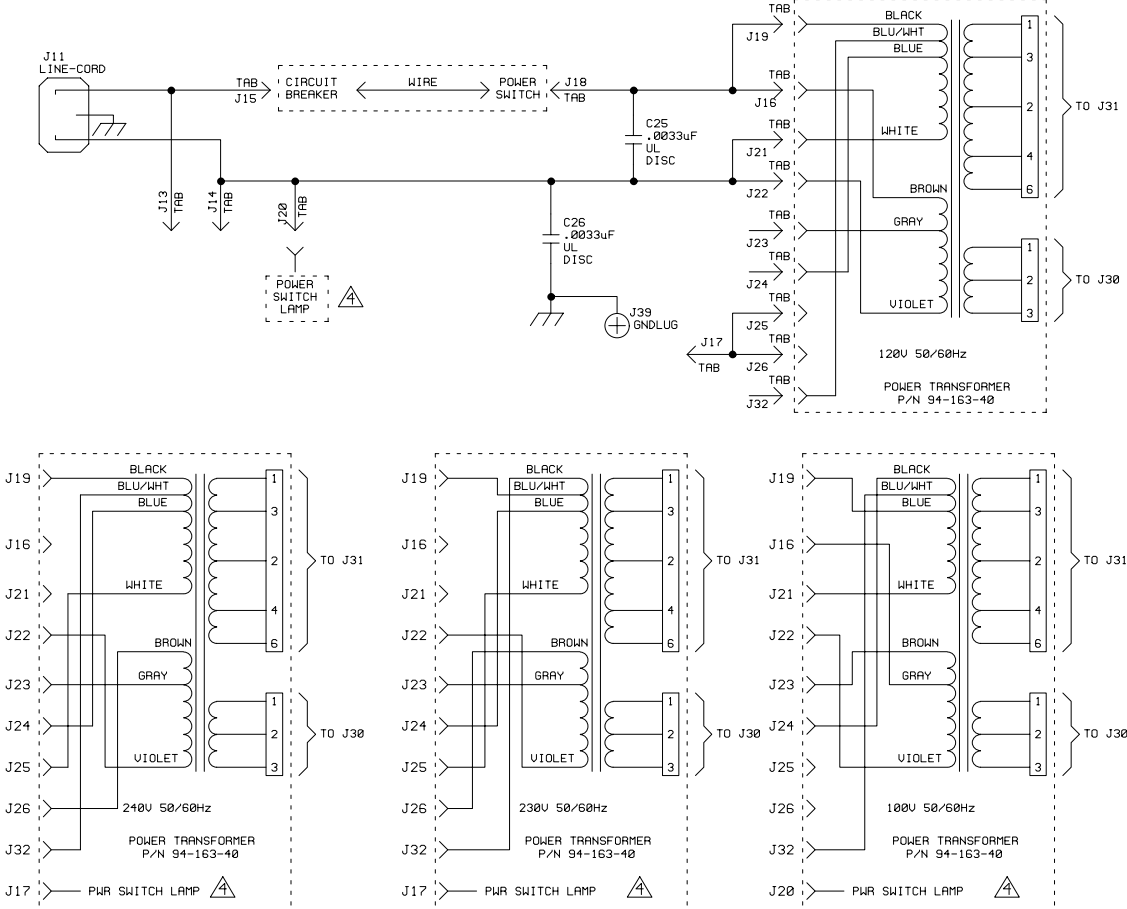


NOTES:
 1) THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.

CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

SHEETS 10, 11 & 12 OF THIS DRAWING REPRESENT ASSY P/N 07-442-04

REV:	DATE:	DESCRIPTION:	ECR/ECN NO.:	CHG'D BY:	APP'D BY:	DATE:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:		DATE:		11888 Borman Dr. St. Louis, Missouri 63146		
DRAWN: REM		6-25-98		FIRST USED ON:		
CHK'D:				-		
RLS'D:				-		
TOLERANCES:		DRAWING SIZE: D		DRAWING TITLE: POWER_AMP		
		DRAWING TYPE: - SCHEMATIC		DRAWING NO.:		
		CLASS CODE:		07S442-XX		
		SCALE: NONE		SHEET: SHT 11 OF 15		



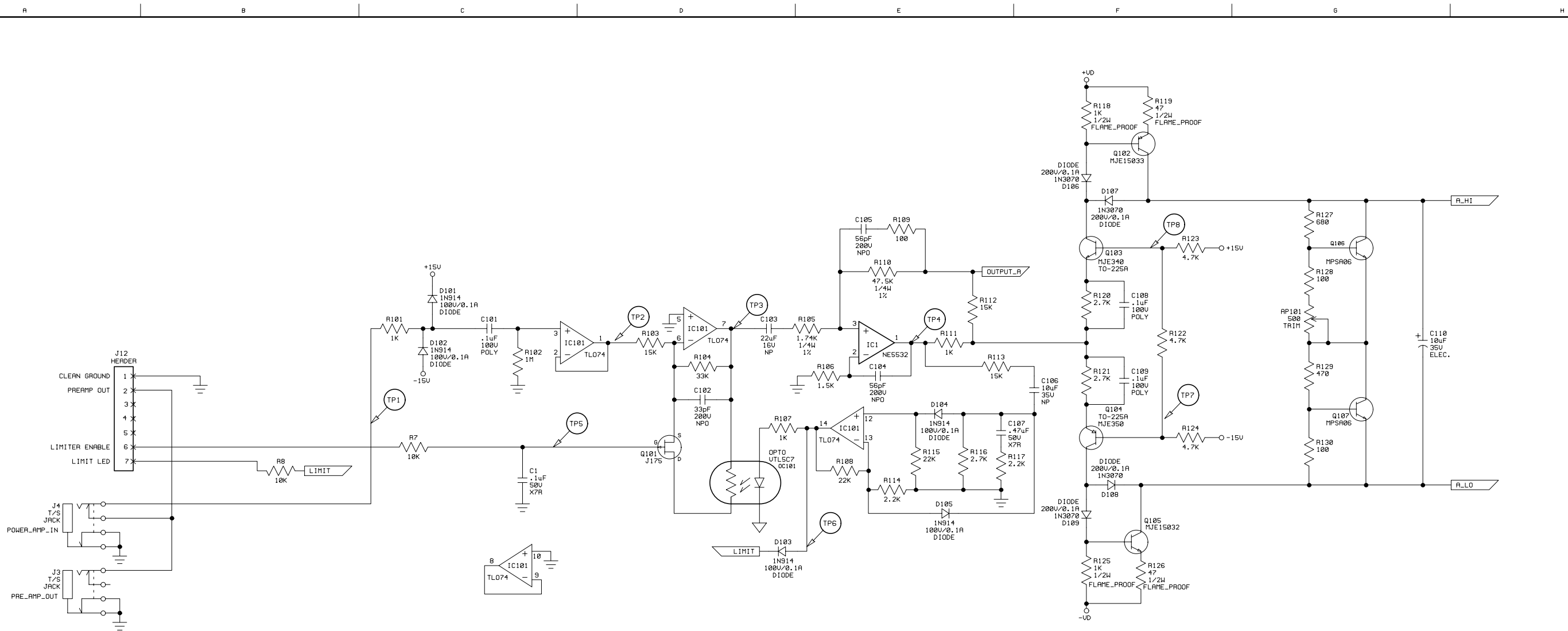
NOTES:
 1) THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.
 4) IF REQUIRED FOR CHASSIS ASSY.

CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

TP	NO SIGNAL	40VRMS OUT @ 8 OHMS	LIMITING @ 8 OHMS AS NOTED	WAVEFORM
13	VARIABLES w/TEMP	Varies w/temp.	Varies w/temp.	---
14	61Vac	51Vac	51Vac	~
15	61Vac	51Vac	51Vac	~
16	+14Vdc	-4.6Vdc	-4.6Vdc	---
17	+14.4Vdc	+14.4Vdc	+14.4Vdc	---
18	20Vac	19Vac	19Vac	~
19	20Vac	19Vac	19Vac	~
20	+71Vdc	+64.5Vdc	+64.5Vdc	^^
21	+63Vdc	+59Vdc	+59Vdc	^^
22	-63Vdc	-59Vdc	-59Vdc	^^
23	-71Vdc	-64.5Vdc	-64.5Vdc	^^
24	+6Vdc	+5.73Vdc	+5.73Vdc	---
25	NOT USED	---	---	---
26	+15Vdc	+15Vdc	+15Vdc	---
27	-15Vdc	-15Vdc	-15Vdc	---
28	+14.3Vdc	+14.3Vdc	+14.3Vdc	---

SHEETS 10, 11 & 12 OF THIS DRAWING REPRESENT ASSY P/N 07-442-04

5	CREATED: DRSHL04.PND.12	DESCRIPTION	ECR/ECN NO:	CHG'D BY:	APP'D BY:	DATE:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:		DATE:	11888 Borman Dr. St. Louis, Missouri 1 63146			
DRAWN: REM		6-25-98	FIRST USED ON:			
CHK'D:			DRAWING TITLE: POWER_AMP			
DES'D:			DRAWING NO.: 07S442-XX			
TOLERANCES:	DRAWING SIZE: D	DRAWING TITLE: POWER_AMP				
	DRAWING TYPE: SCHEMATIC	DRAWING NO.: 07S442-XX				
	CLASS CODE:	DRAWING NO.: 07S442-XX				
	SCALE: NONE	SHEET: 12 OF 15	DRAWING NO.: 07S442-XX			



BIAS ADJUSTMENT: WITH NO SIGNAL AND NO LOAD
 ADJUST AP101 TO OBTAIN AN AVERAGE OF 25 ± 5mV ACROSS R139, 140, R146, 147, 152, 153, 158, 159, 164, 165.

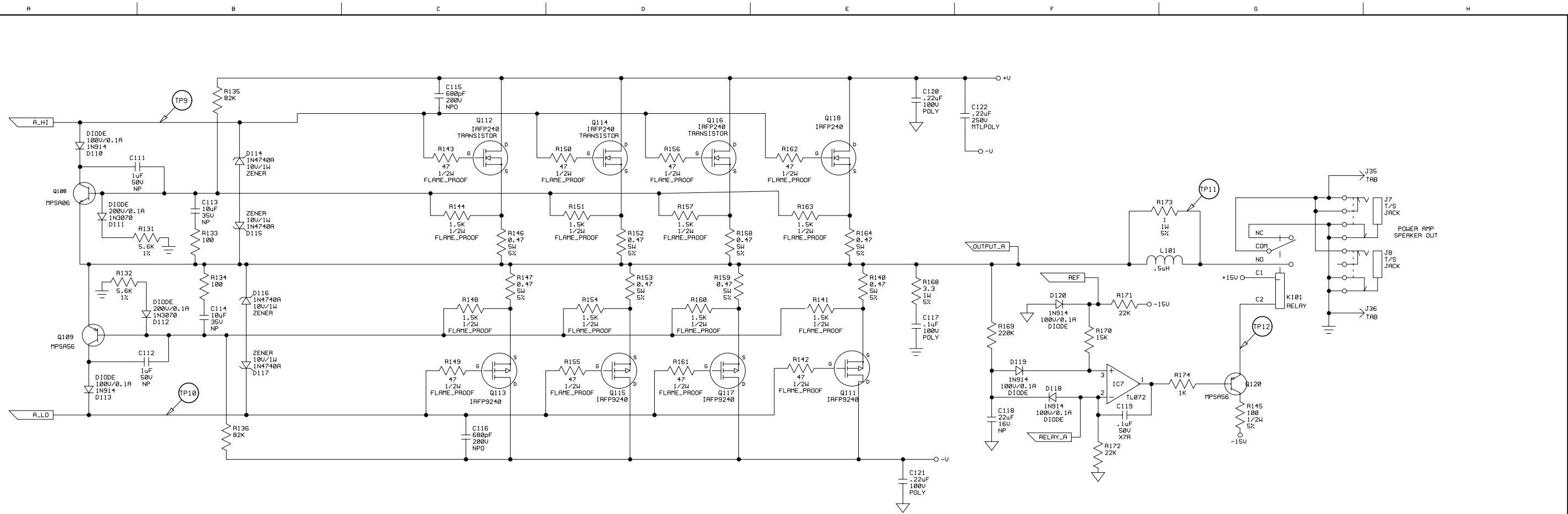
T.P.	NO SIGNAL	40URMS OUT @ 8 OHMS	LIMITING @ 8 OHMS AS NOTED	WAVEFORM
* 1	—	0.68Urms	0.79Urms	~
* 2	—	0.68Urms	0.79Urms	~
3	+/-20mVdc	1.5V	1.5V	~
4	+/-1Vdc	2.6Vdc	2.6Vdc	AS SHOWN PER COLUMN
5	+7mVdc	1.9mV	2.7mV	—
6	+5Vdc	+4.82Vdc	+4.82Vdc	—
7	-5Vdc	-5.12Vdc	-5.12Vdc	—
8	0V	+43.6mVdc	+74mVdc	~

- NOTES:
- THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 - UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 - VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.

CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

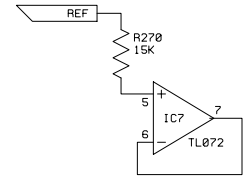
SHEETS 13, 14 & 15 OF THIS DRAWING REPRESENTS
 ASSY P/N 07-442-12

5	CREATED: DASHL04_RND_12				
REV:	DATE:	DESCRIPTION:	ECR/ECN NO:	CHG'D BY:	APP'D BY:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.					
SIGNATURES:		DATE:	11880 Borman Dr. St. Louis, Missouri 63146		
DRAWN: REM	6-25-98		FIRST USED ON: —		
CHK'D:			—		
ALS'D:			—		
TOLERANCES:	DRAWING SIZE: D SCHEMATIC	DRAWING TITLE: POWER_AMP			
	DRAWING TYPE: —	DRAWING NO.: 07S442-XX			
	CLASS CODE:	—			
	SCALE: NONE	SHEET: SHT 13 OF 15			



BIAS ADJUSTMENT: WITH NO SIGNAL AND NO LOAD
 ADJUST AP101 TO OBTAIN AN AVERAGE OF $25 \pm 5\text{mV}$ ACROSS R139, 140
 R146, 147, 152, 153, 158, 159, 164, 165.

T.P.	NO SIGNAL	40VRMS OUT @ 8 OHMS	LIMITING @ 8 OHMS	AS NOTED	WAVEFORM
9	+3.6Vdc	40Urms	41Urms		~
10	-3.5Vdc	40Urms	41Urms		~
11	7.2mVdc	40Urms	41Urms		~
12	-11.52Vdc	-11.8Vdc	-11.8Vdc		—

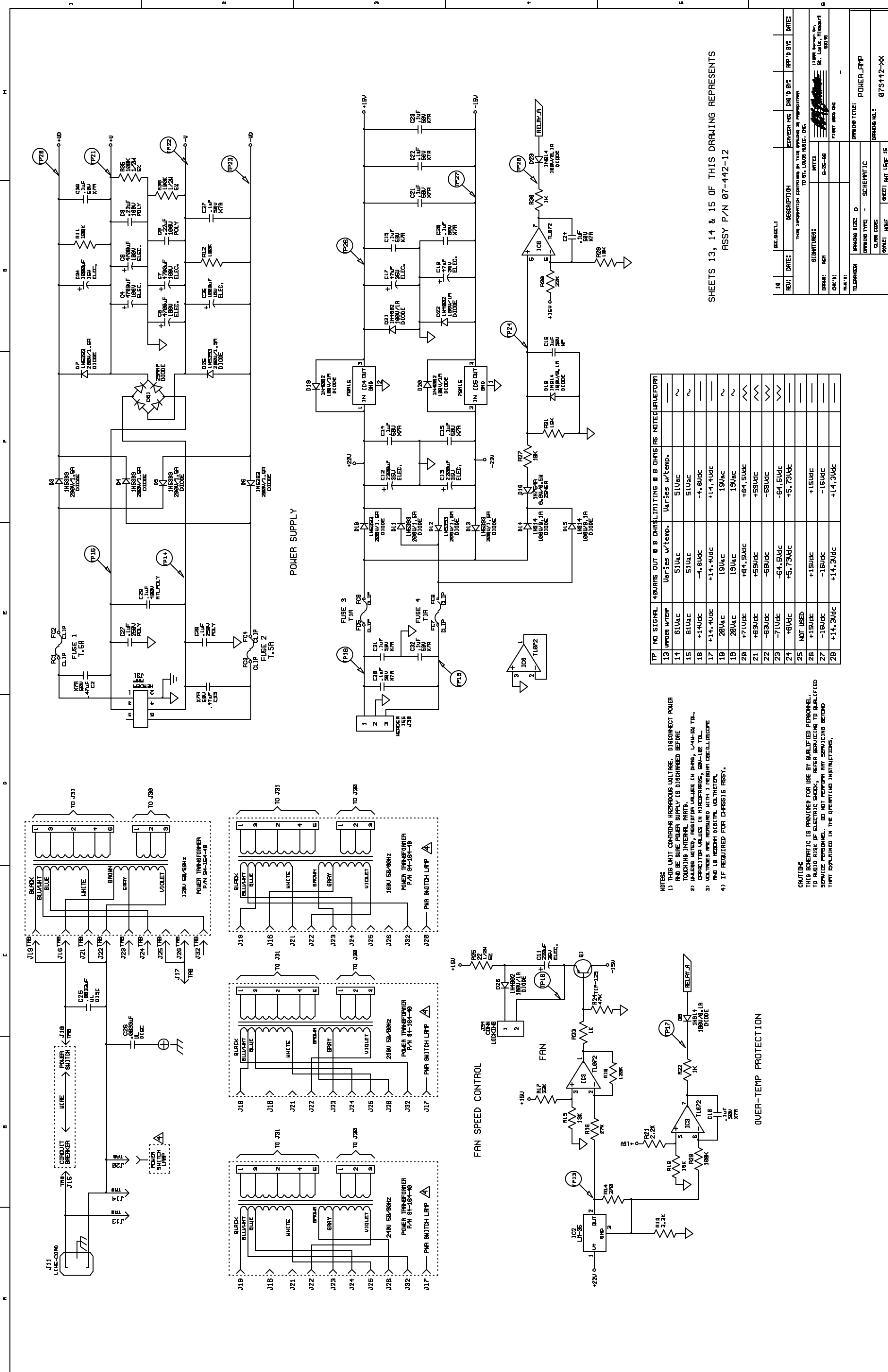


- NOTES:
- THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 - UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50U-10% TOL.
 - VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.

CAUTION:
 THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

SHEETS 13, 14 & 15 OF THIS DRAWING REPRESENTS
 ASSY P/N 07-442-12

5	CREATED_DASHL01_RND.12				
REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHG'D BY:	APP'D BY:
THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.					
SIGNATURES:		DATE:	11880 Borman Dr. St. Louis, Missouri 63146		
DRAWN:	REF	6-25-98			
CHK'D:			FIRST USED ON:		
RLS'D:					
TOLERANCES:	DRAWING SIZE: D	DRAWING TITLE:		POWER_AMP	
	DRAWING TYPE: - SCHEMATIC	DRAWING NO.:		07S442-XX	
	CLASS CODE:	SCALE: NONE		SHEET: SHT 14 OF 15	



TP	NO	SIGNAL	REQUIRES DUT	OR CHARACTERISTICS	OR DISCRETS	NOTED (VALUE/FOR)
13	VARIES	W/TEMP	VARIES	W/TEMP.	VARIES	W/TEMP.
14	61Vdc		51Vdc		51Vdc	
15	61Vdc		51Vdc		51Vdc	
16	+14.4Vdc		-1.6Vdc		-1.6Vdc	
17	+14.4Vdc		+14.4Vdc		+14.4Vdc	
18	28Vdc		19Vdc		19Vdc	
19	28Vdc		19Vdc		19Vdc	
20	+7.1Vdc		+84.5Vdc		+84.5Vdc	
21	+8.3Vdc		+58Vdc		+58Vdc	
22	-8.3Vdc		-58Vdc		-58Vdc	
23	-7.1Vdc		-64.5Vdc		-64.5Vdc	
24	+6Vdc		+5.73Vdc		+5.73Vdc	
25	NOT USED					
26	+15Vdc		+15Vdc		+15Vdc	
27	-15Vdc		-15Vdc		-15Vdc	
28	+14.3Vdc		+14.3Vdc		+14.3Vdc	

- NOTES:
- 1) THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 - 2) VALUES NOTED, REGULATOR VALUES IN PARENTHESIS, L-VOLTS TOL. CAPACITOR VALUES IN MICROFARADS, OHM-RES TOL.
 - 3) VOLTAGES ARE MEASURED WITH 2 TERMINAL COILS/COILS AND IS MEASURED FOR CHASSIS IS ASSY.
 - 4) IF REQUIRED FOR CHASSIS IS ASSY.

CAUTION:
THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER TO THE ORIGINAL SERVICE MANUAL. DO NOT REPAIR OR SERVICE BEYOND THAT SPECIFIED IN THE OPERATING INSTRUCTIONS.

SHEETS 13, 14 & 15 OF THIS DRAWING REPRESENTS
ASSY P/N 07-442-12

REV	DATE	DESCRIPTION	CHK'D BY	APP'D BY	DATE
1		THIS SCHEMATIC CONTAINS THE DATA FOR THE ORIGINAL DRAWING.			

REV	DATE	DESCRIPTION	CHK'D BY	APP'D BY	DATE
1		THIS SCHEMATIC CONTAINS THE DATA FOR THE ORIGINAL DRAWING.			

REV	DATE	DESCRIPTION	CHK'D BY	APP'D BY	DATE
1		THIS SCHEMATIC CONTAINS THE DATA FOR THE ORIGINAL DRAWING.			

REV	DATE	DESCRIPTION	CHK'D BY	APP'D BY	DATE
1		THIS SCHEMATIC CONTAINS THE DATA FOR THE ORIGINAL DRAWING.			

REV	DATE	DESCRIPTION	CHK'D BY	APP'D BY	DATE
1		THIS SCHEMATIC CONTAINS THE DATA FOR THE ORIGINAL DRAWING.			

REV	DATE	DESCRIPTION	CHK'D BY	APP'D BY	DATE
1		THIS SCHEMATIC CONTAINS THE DATA FOR THE ORIGINAL DRAWING.			