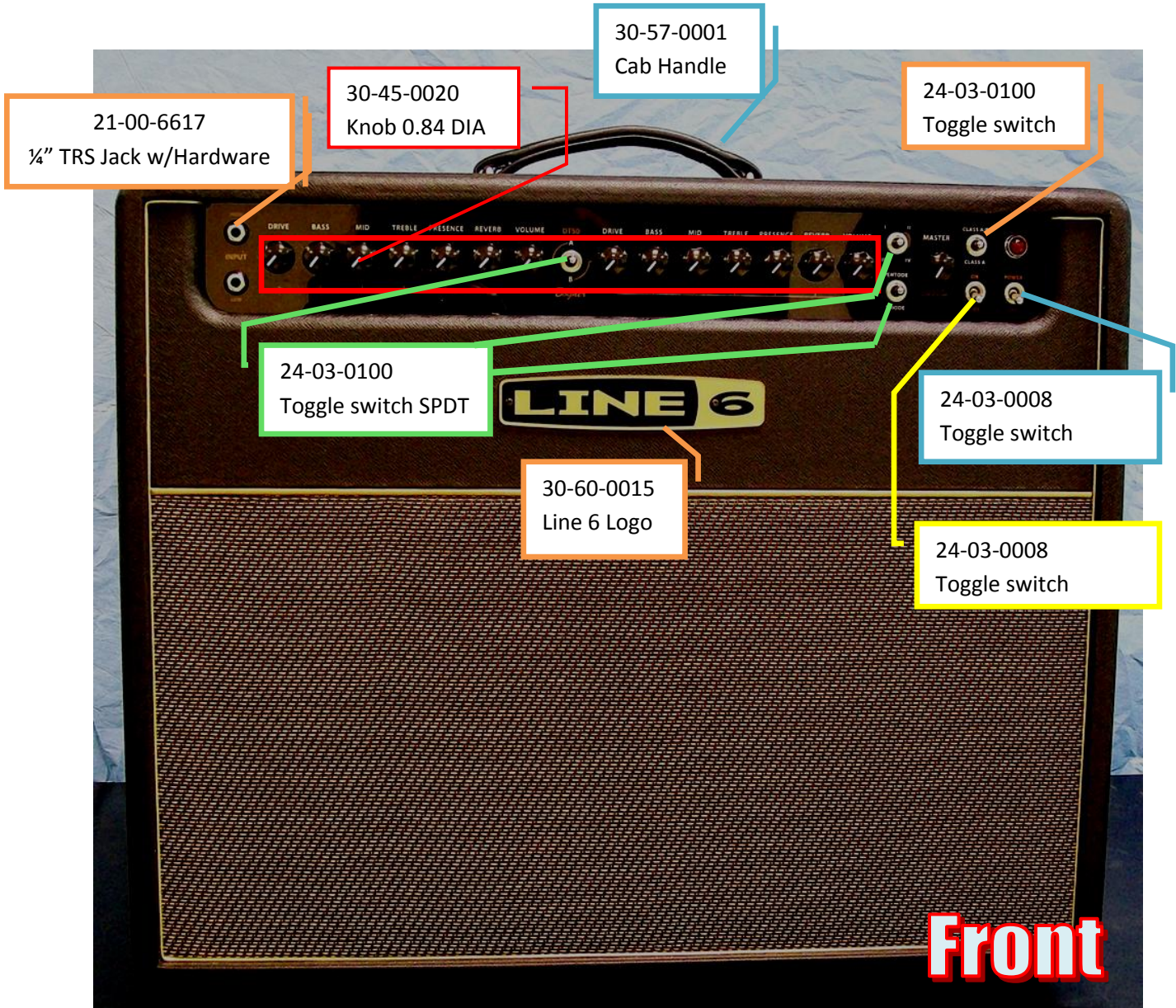
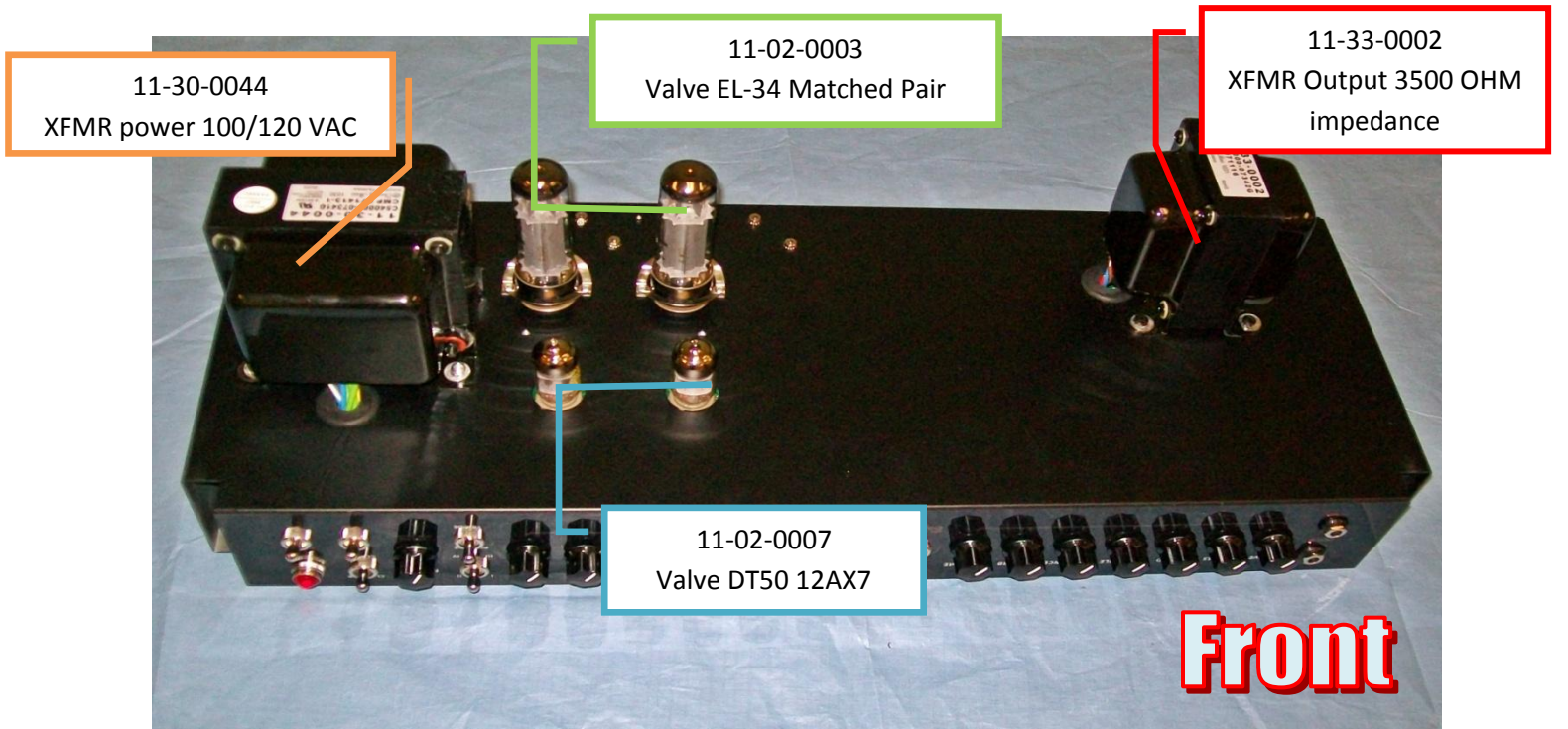
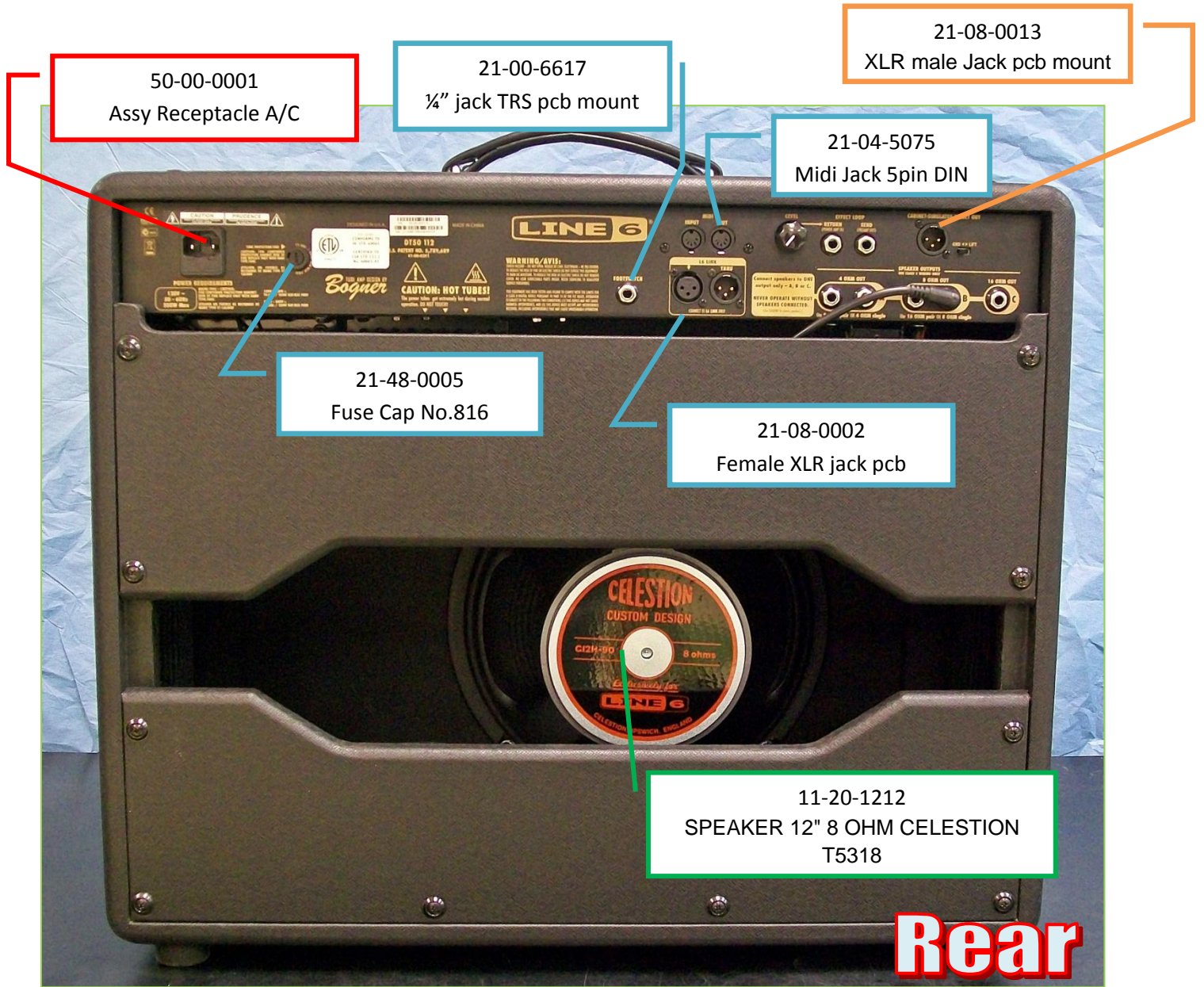




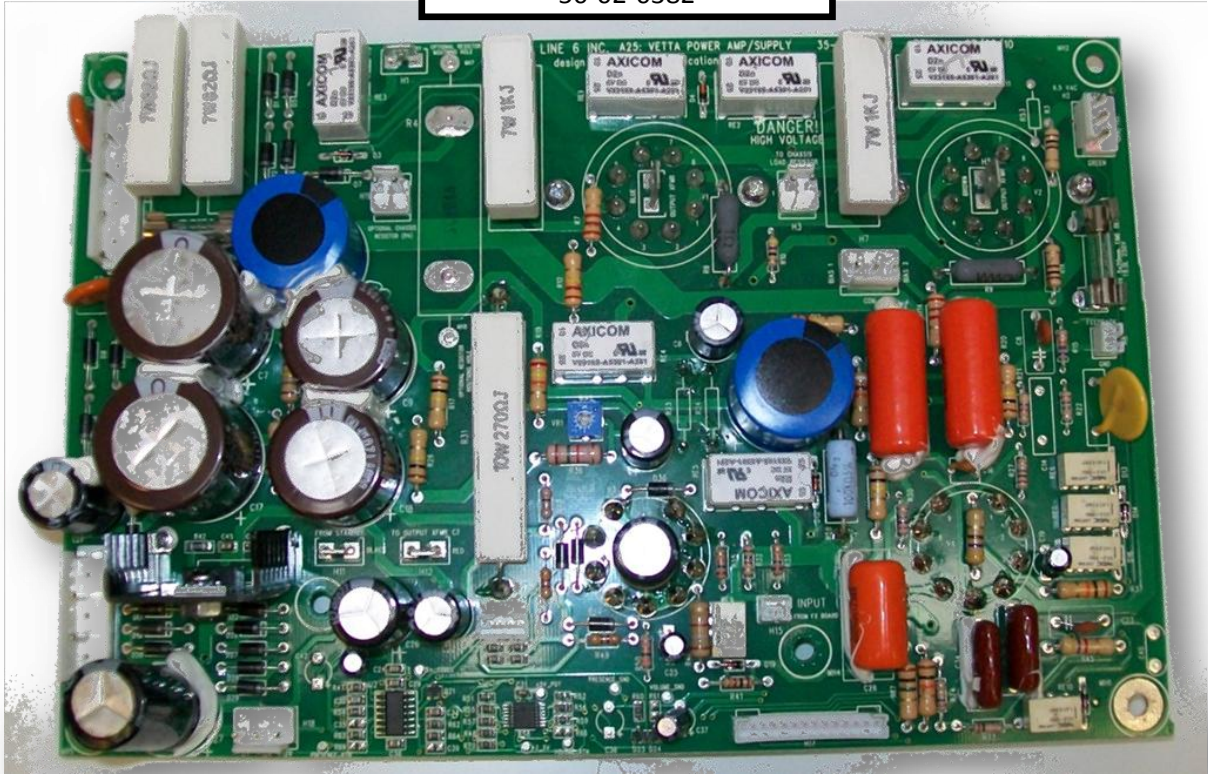
US Model # 99-011-0505
Australian Model # 99-011-0501
European Model # 99-011-0502
Japanese Model # 99-011-0503
UK Model # 99-011-0504

DT50 112 Combo
1x12 combo amplifier
Quick View Parts Guide

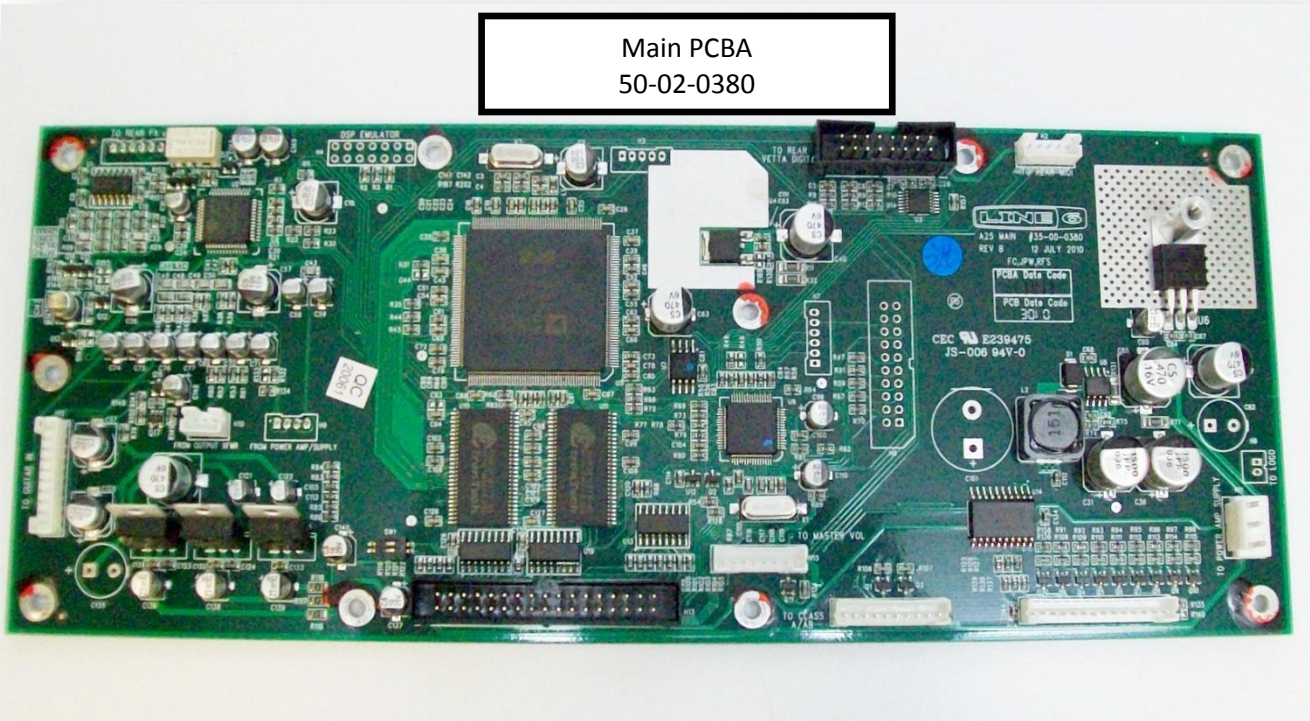


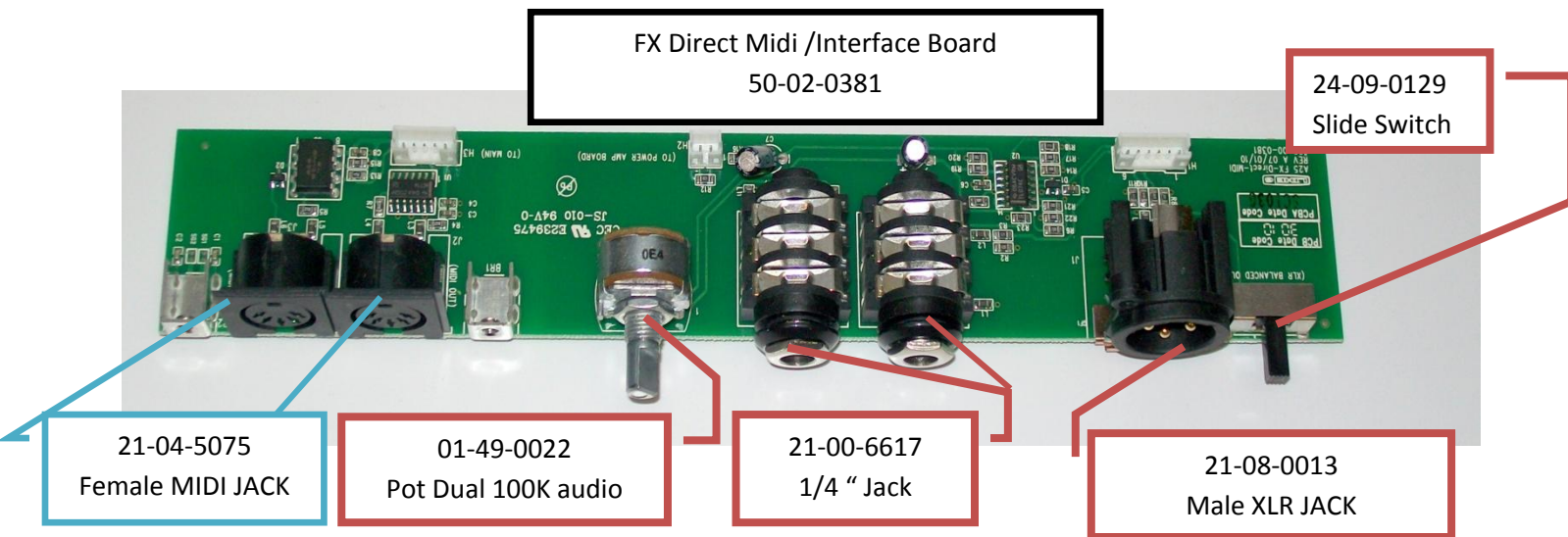
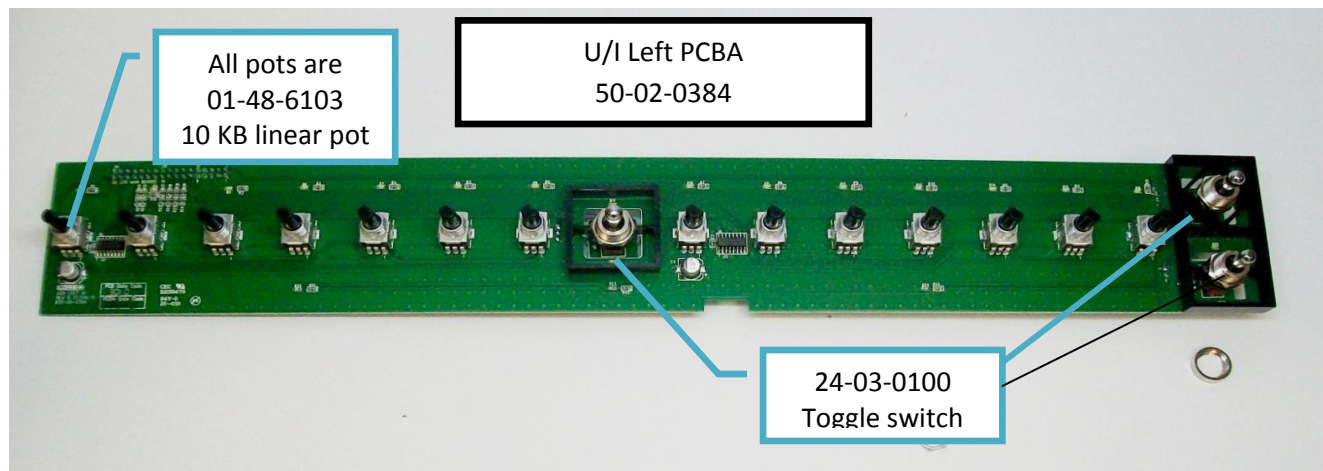
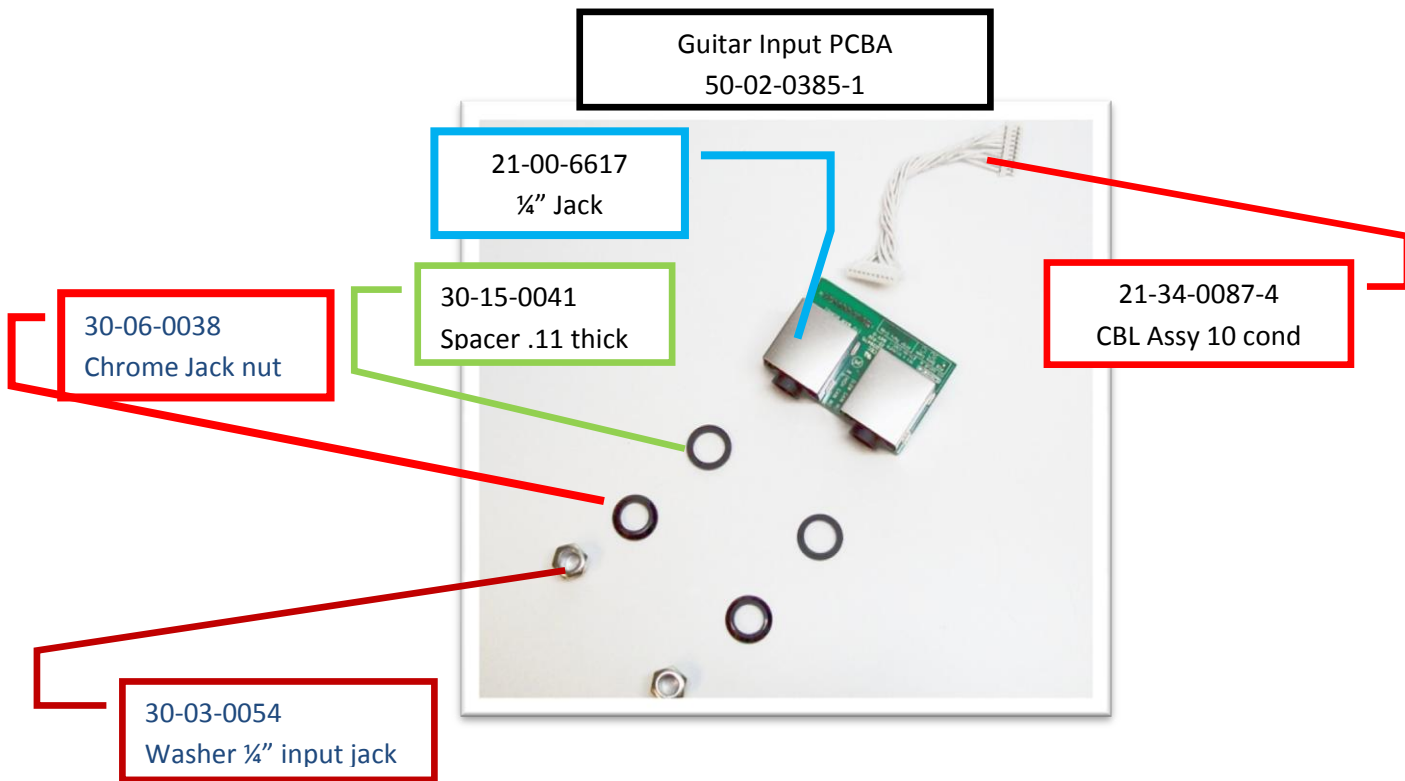


Power Amp/Supply PCBA
50-02-0382



Main PCBA
50-02-0380



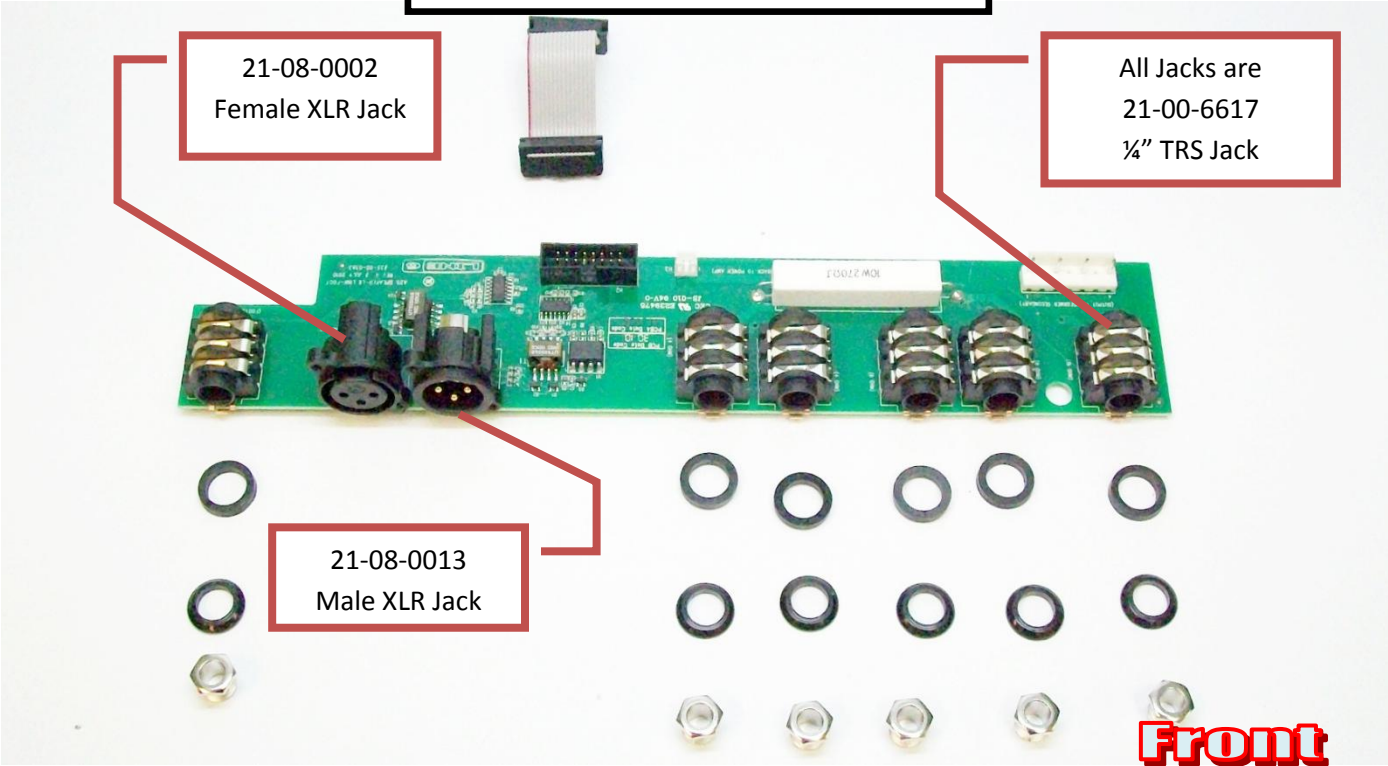


Speaker Output Board
50-02-0383

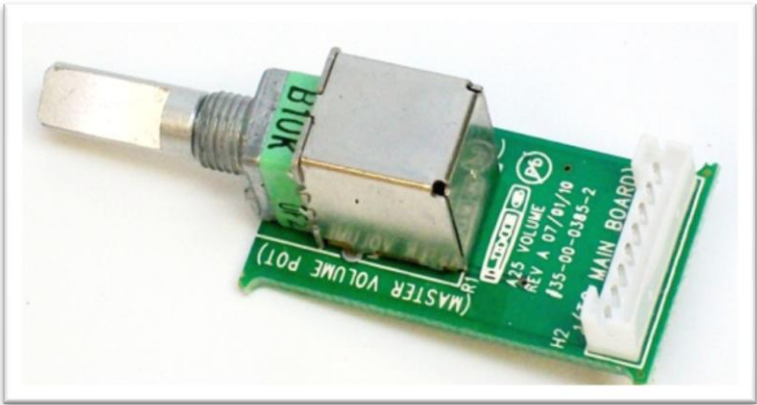
21-08-0002
Female XLR Jack

All Jacks are
21-00-6617
¼" TRS Jack

21-08-0013
Male XLR Jack



Master Pot Board
50-02-0385-2



Disassembly Instructions

Step 1- Remove 4 Screws from Back panel and Remove Panel.



Step 2- Unplug Speaker Cable



Step 3- Remove 4 screws from top of Amp cab.



Step 4- Slide head/EM assy chassis from cab.

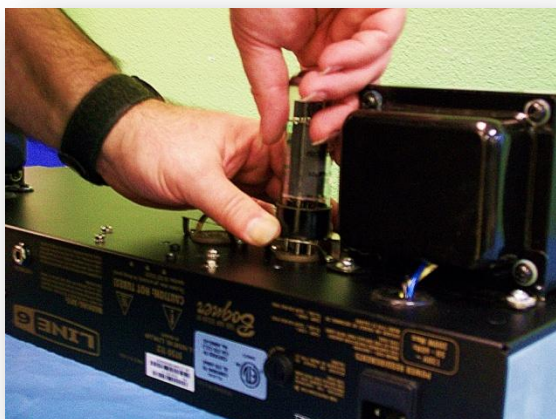
Note: Shock advisory
please be careful
never to reach inside
under transformer.



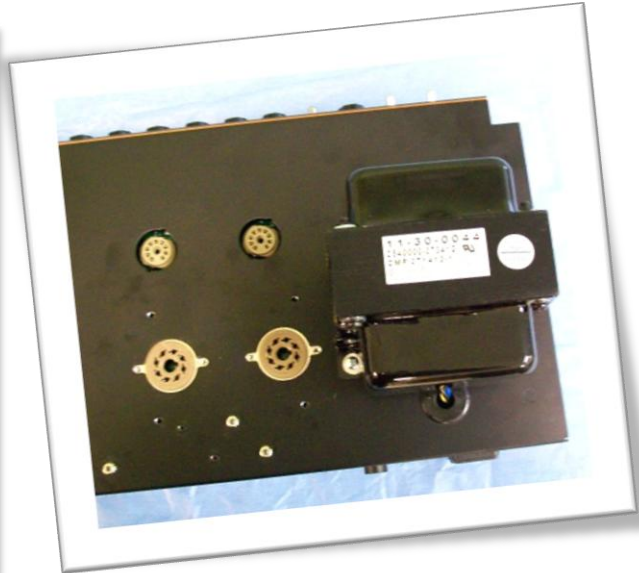
Step 5- Remove 4 screws from the tube cage.



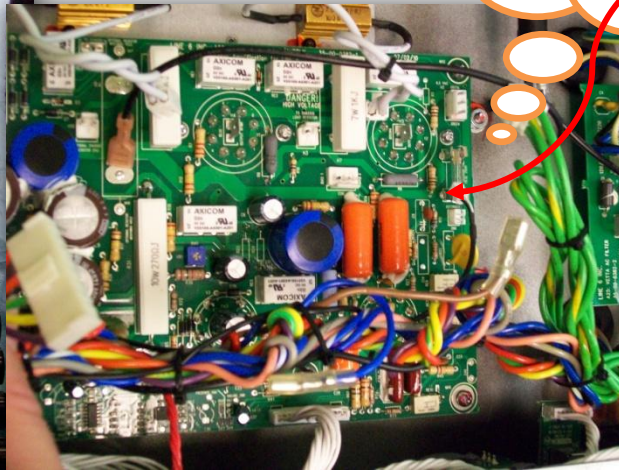
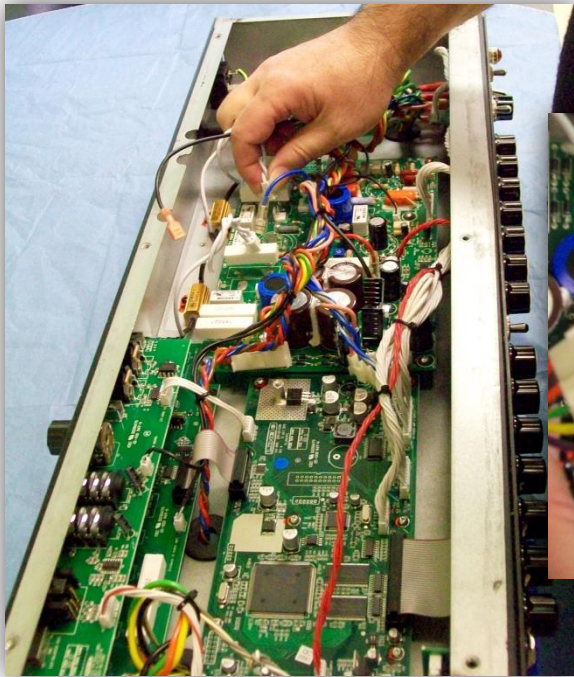
Step 6- To access amp board: Remove 4 screws from the tube cage.



Step 7- Remove 4 tube retainer screws.

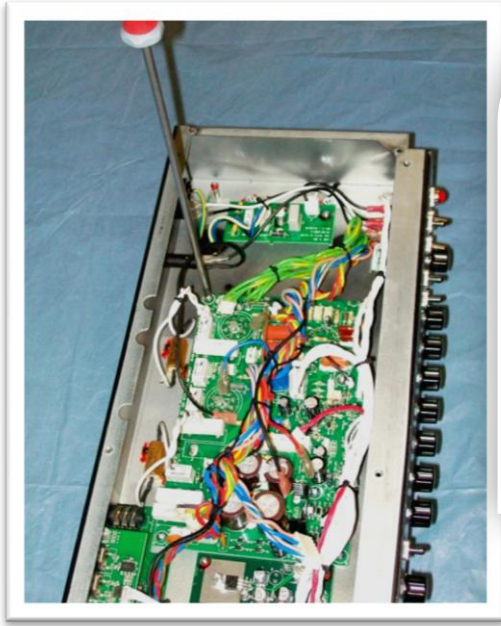


Step 8- Unplug wires and wire harnesses.



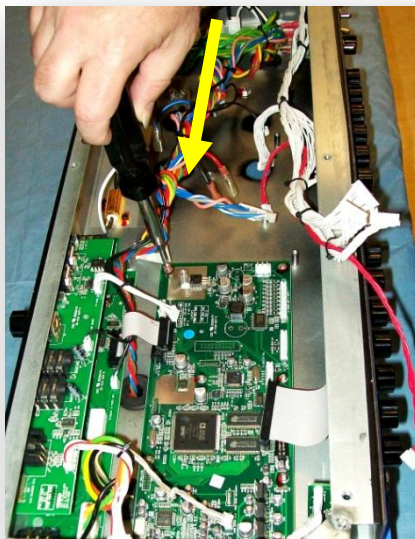
Note: Shock advisory ⚡
please be careful to
avoid touching fuses.

Step 9- Remove 6 screws from Power amp board and remove board. **Shock Hazard- Do not use anti-static wrist strap on Tube PCBA**



Step 10- To Remove Main board:

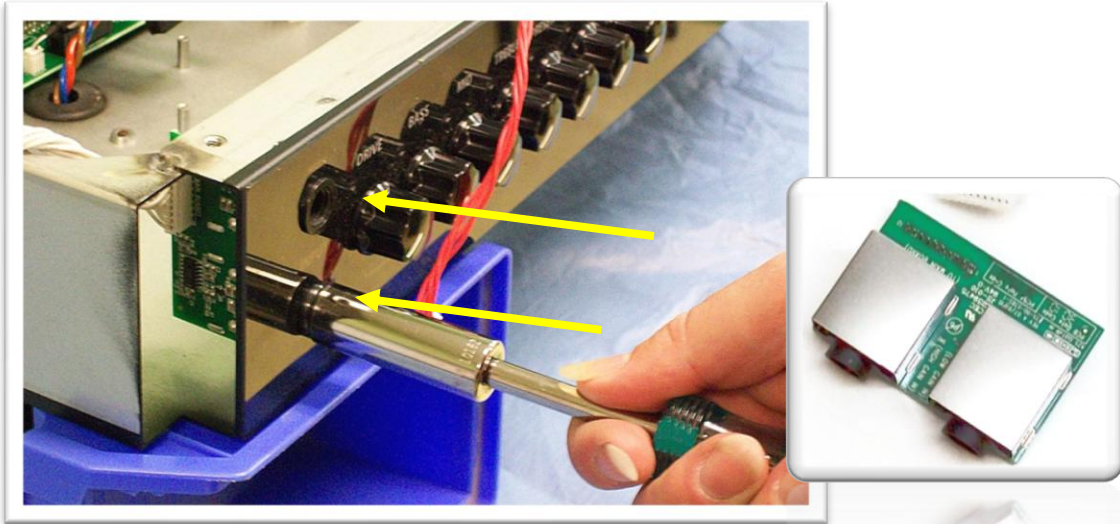
Unplug Wire harnesses and
Remove **10** Screws from board.
Remove Main **board**.



Note: Remember to take anti static precautions when handling this pcba.



Step 11- To Remove input board: Remove 2 Jack retainer nuts.

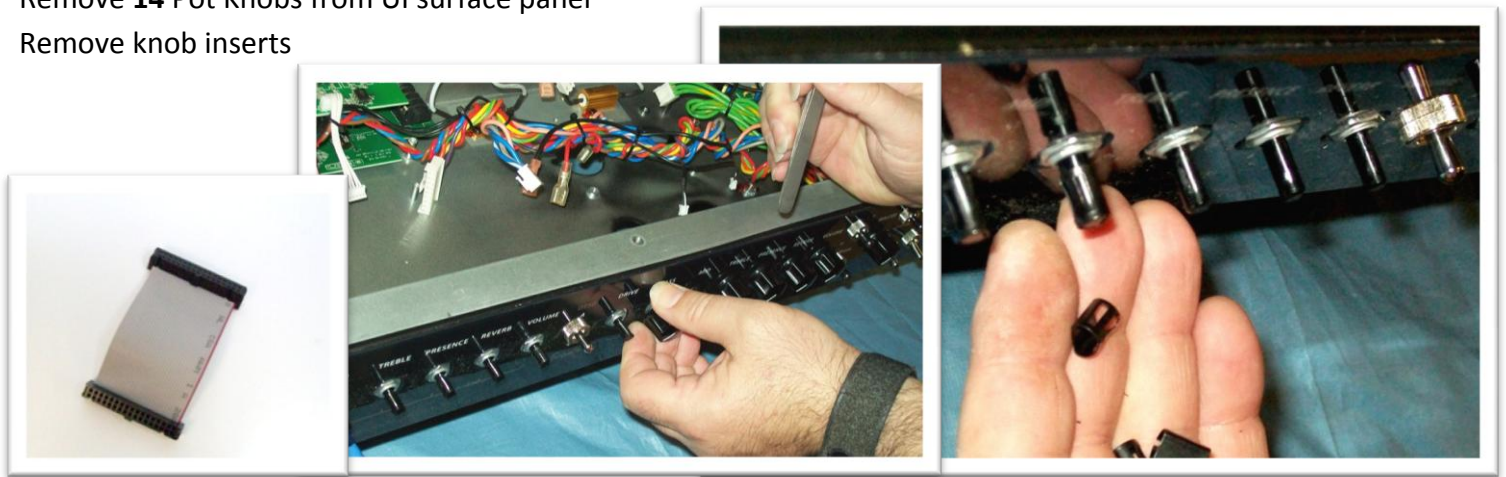


Step 12- To Remove UI board:

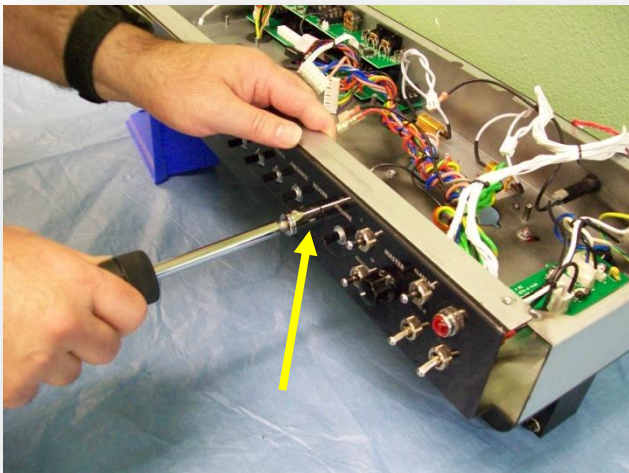
Remove Ribbon Cable

Remove 14 Pot Knobs from UI surface panel

Remove knob inserts



Step 13- Remove 14 Pot retainer nuts. (7/16th socket.)



Step 14- Unscrew 3 Switch retainers and Remove board.

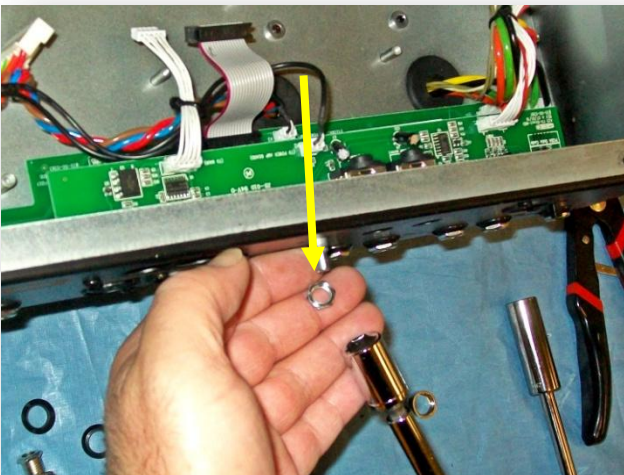


Caution: Washers will fall forward and sometimes roll away.

Step 15- To remove FX direct midi board: Disconnect wire harnesses and 1 level knob.



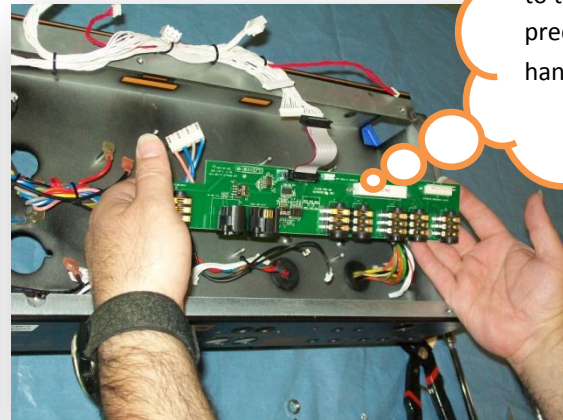
Step 16- Remove Jack retainer nut



Step 17- Remove 4 Screws and carefully remove board.



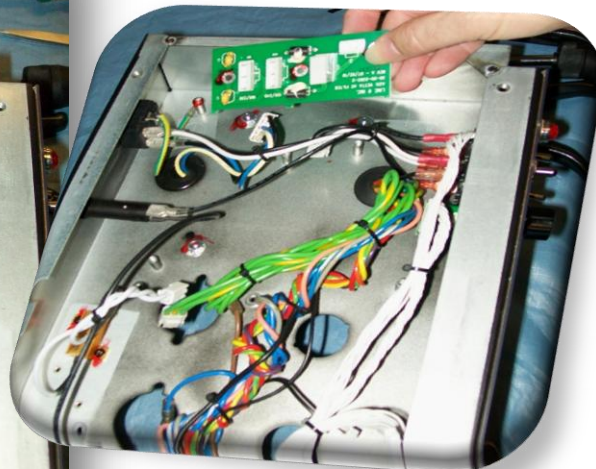
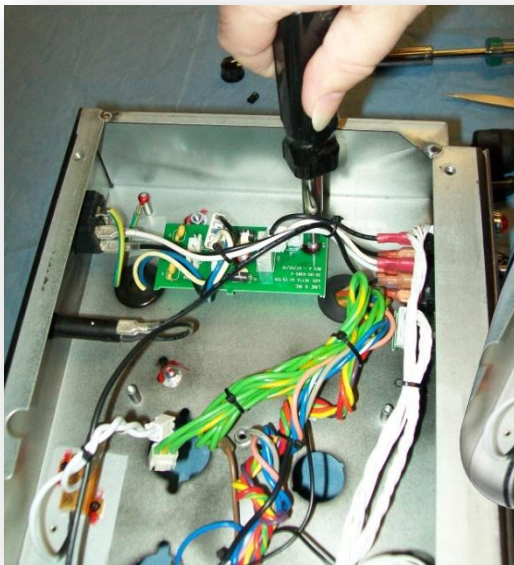
Step 18- To remove speaker out L6 link board: Remove 4 XLR screws and remove board.



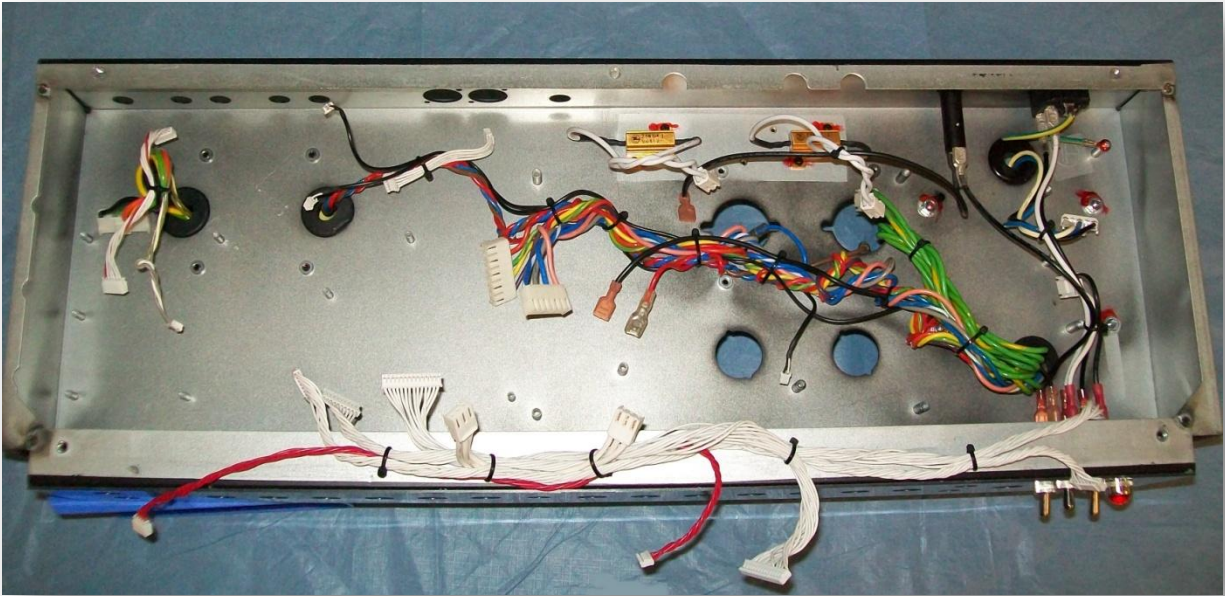
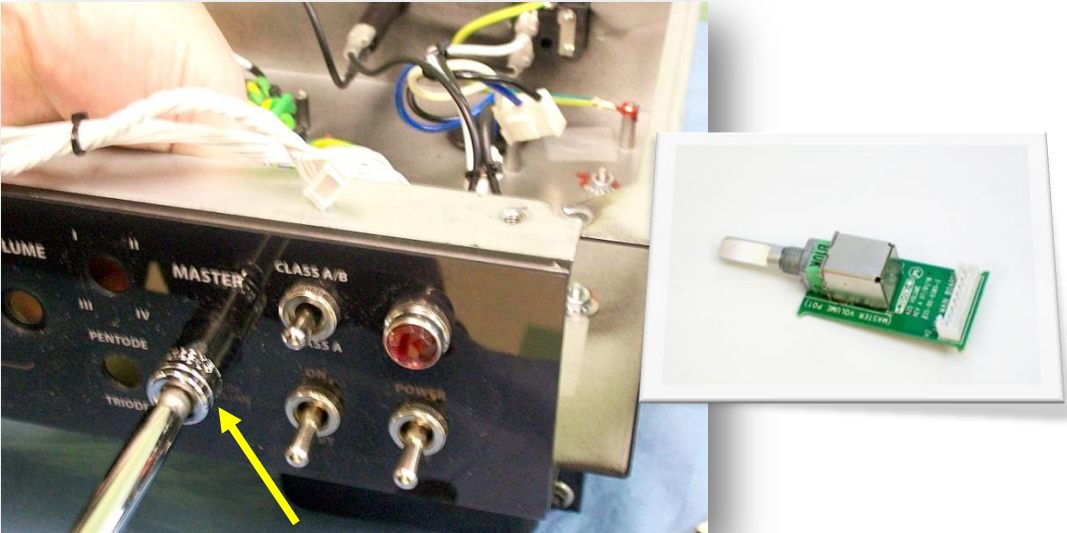
Note: Remember to take anti static precautions when handling this pcba



Step 19- To remove power supply interface board: Remove 3 Screws and remove board.



Step 20- To remove master pot board: Unscrew Pot retainer nut and remove board.



Trouble Shooting Tips



For the Amplifier/Power PCBA: Check fuses, make sure they are the right value. F2 is supposed to be a Little Fuse- Series 239, 1.6A/250V Slo-Blo, with the Time Lag (Nominal Melting) of $I^2t = 31.25$ (or equivalent). Some units with date codes of 6049 or before, may have the Little Fuse Series 218 with the Time Lag (Nominal Melting) of $I^2t = 23.35$ spec. **Do Not use the Series 218 (or equivalent) Fuses.** If there is a Series 218 fuse in the F2 location, then replace it with a Series 239, Line 6 part number 24-18-1625 (see Technical Bulletin 059 or ECO0003725 for additional details).



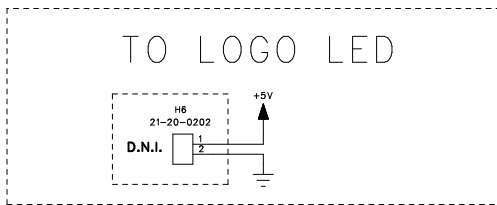
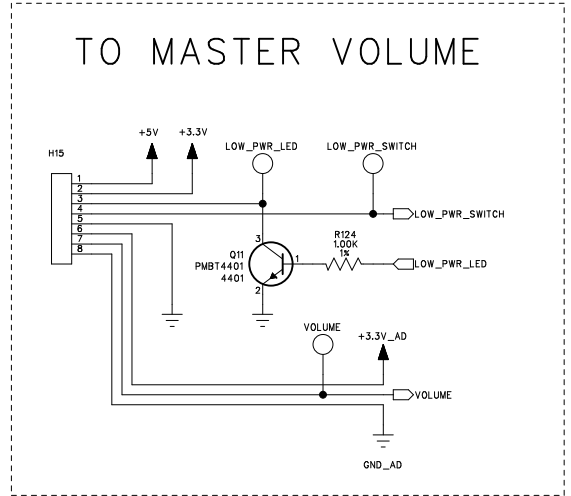
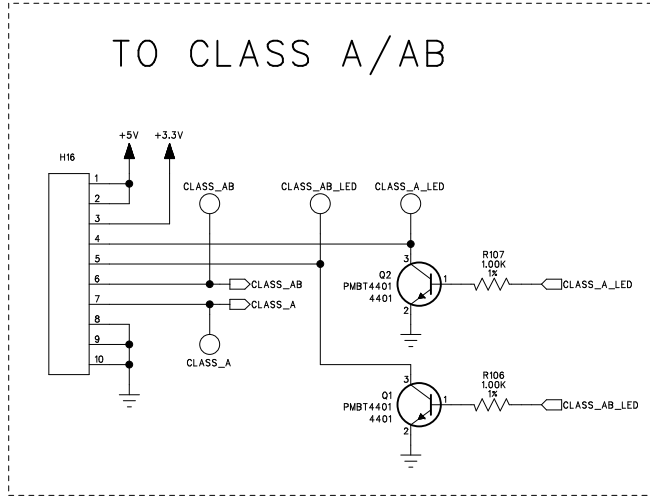
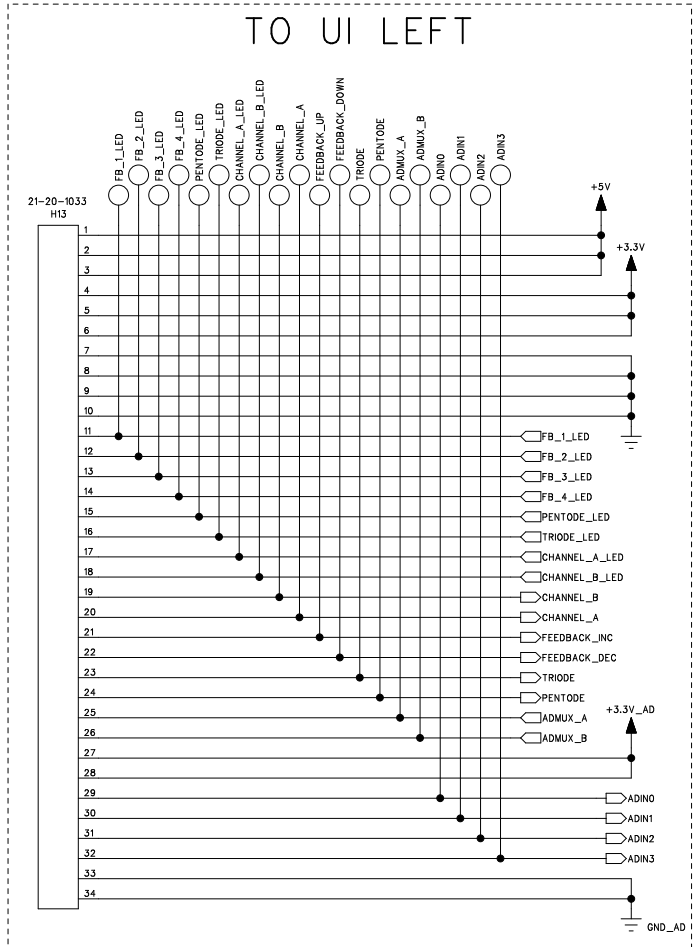
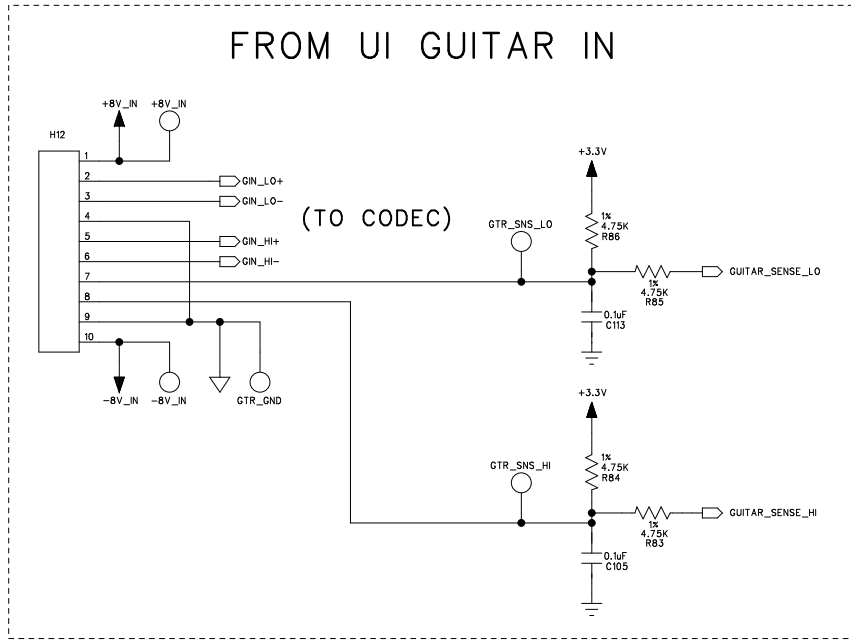
- If F2 blows before the panel fuse does, current can go around to the negative side of capacitor C21, causing it to vent and blow. If F2 blows, check C21 capacitor for venting. If C21 is vented, then replace it with part number 03-23-0101, 100uF/160V Radial, Electrolytic Capacitor (see Technical Bulletin 059 or ECO0003725 for additional details).

- Replacement Amplifier PCBA's (50-02-0382-1) already have the correct F2 fuse.



Main Processor PCBA: The Main Processor PCBA though interchangeable between different DT50's, it is a Branded PCBA. Branded selection is done with a surface mount dip switch "SW1". See the "Switch Selection" document for the correct switch settings for a given model of DT50.

ECO'S INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:



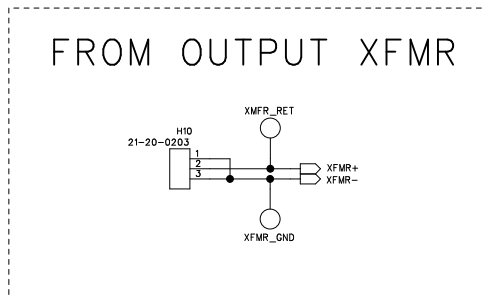
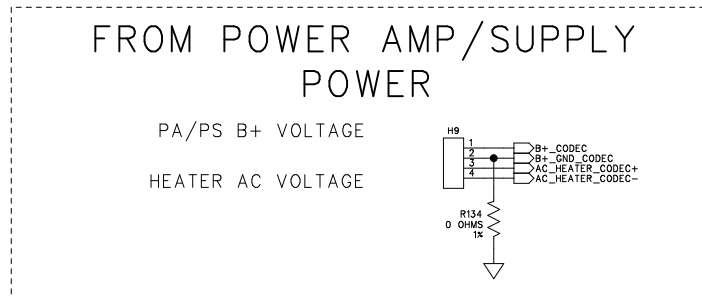
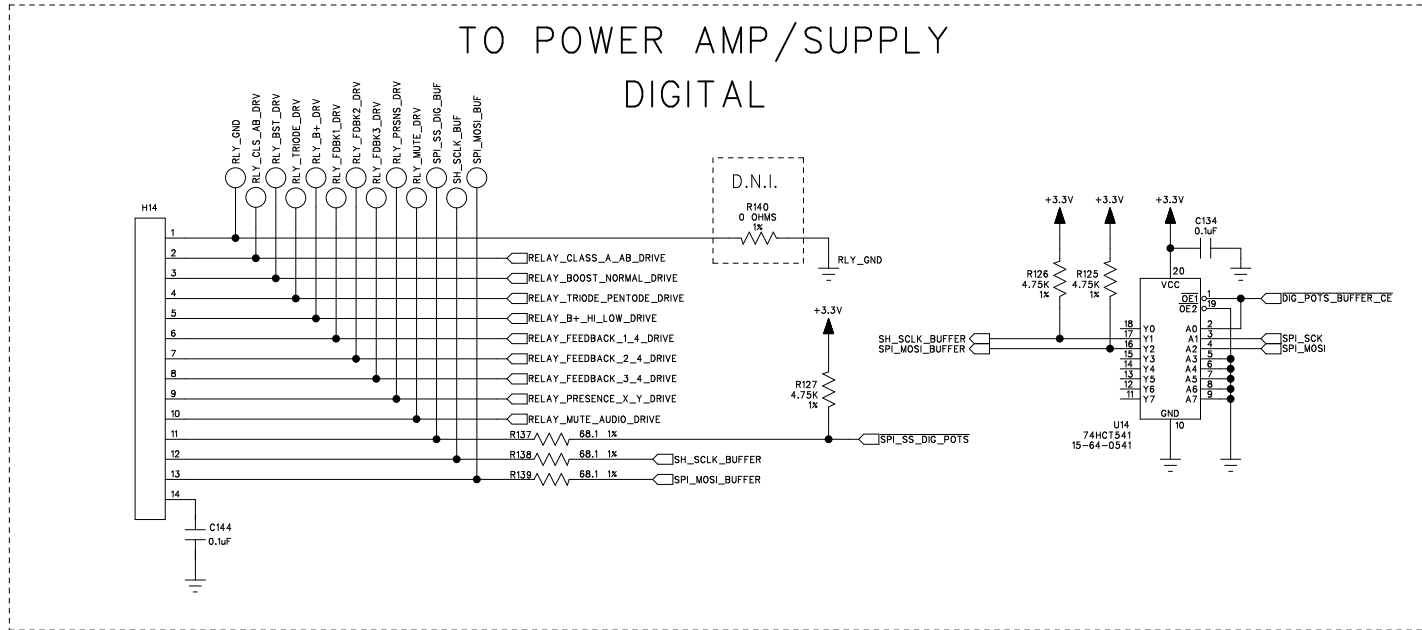
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LINE 6 INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LINE 6 INC. IS PROHIBITED

COMPANY:	LINE 6	
TITLE:	VETTA SYSTEM MAIN UI_INTERFACE	
PROGRAM:	PADS LOGIC 2007.45.1	
DRAWN:	DATED:	REV:
JPWF, RFS	07/12/10	B
CHECKED:	DATED:	FILENAME:
Review Board	12/16/09	A25 Vetta System Main - Rev B.sch
SHEET SIZE:	C	PART NUMBER:
		35-00-0380
SHEET: 1		OF 9

DRAWN:	DATED:
JPWF, RFS	07/12/10
CHECKED:	DATED:
Review Board	12/16/09

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

POWER AMP/SUPPLY INTERFACE



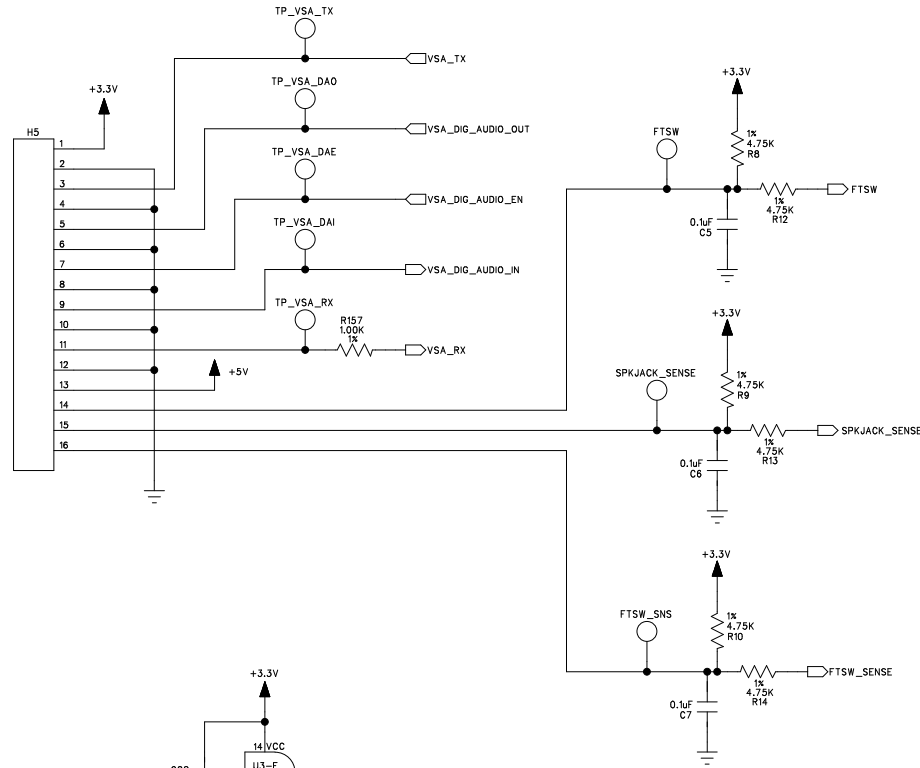
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COMPANY:	LINE 6
TITLE:	VETTA SYSTEM MAIN AMP_SUPPLY_INTERFACE
PROGRAM:	PADS LOGIC 2007.45.1
DRAWN:	JPW, RFS
DATED:	07/12/10
CHECKED:	Review Board
DATED:	12/16/09
PATH:	A25 Vetta System Main - Rev B.sch
FILENAME:	A25 Vetta System Main - Rev B.sch
SHEET SIZE:	C
PART NUMBER:	35-00-0380
REV:	B
SHEET: 2 OF 9	

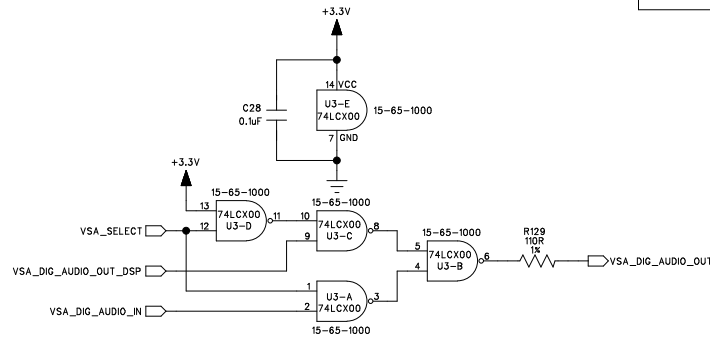
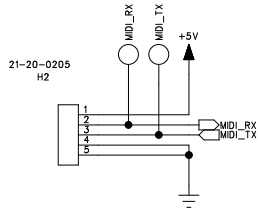
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

REAR PANEL INTERFACE

TO REAR VETTA DIGITAL



TO REAR MIDI



NAND GATE MULTIPLEXING VSA DIGITAL AUDIO OUT

VSA_SELECT	VSA_DIG_AUDIO_OUT
0 - (GND)	VSA_DIG_AUDIO_OUT_DSP
1 - (+3.3V)	VSA_DIG_AUDIO_IN

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COMPANY:	LINE 6
TITLE:	VETTA SYSTEM MAIN REAR_PANEL
PROGRAM:	PADS LOGIC 2007.45.1
DRAWN:	JPW, RFS
DATED:	07/12/10
CHECKED:	Review Board
DATED:	12/16/09
PATH:	A25 Vetta System Main - Rev B.sch
FILENAME:	A25 Vetta System Main - Rev B.sch
SHEET SIZE:	C
PART NUMBER:	35-00-0380
SHEET:	3 OF 9

A

B

6

5

4

3

2

1

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

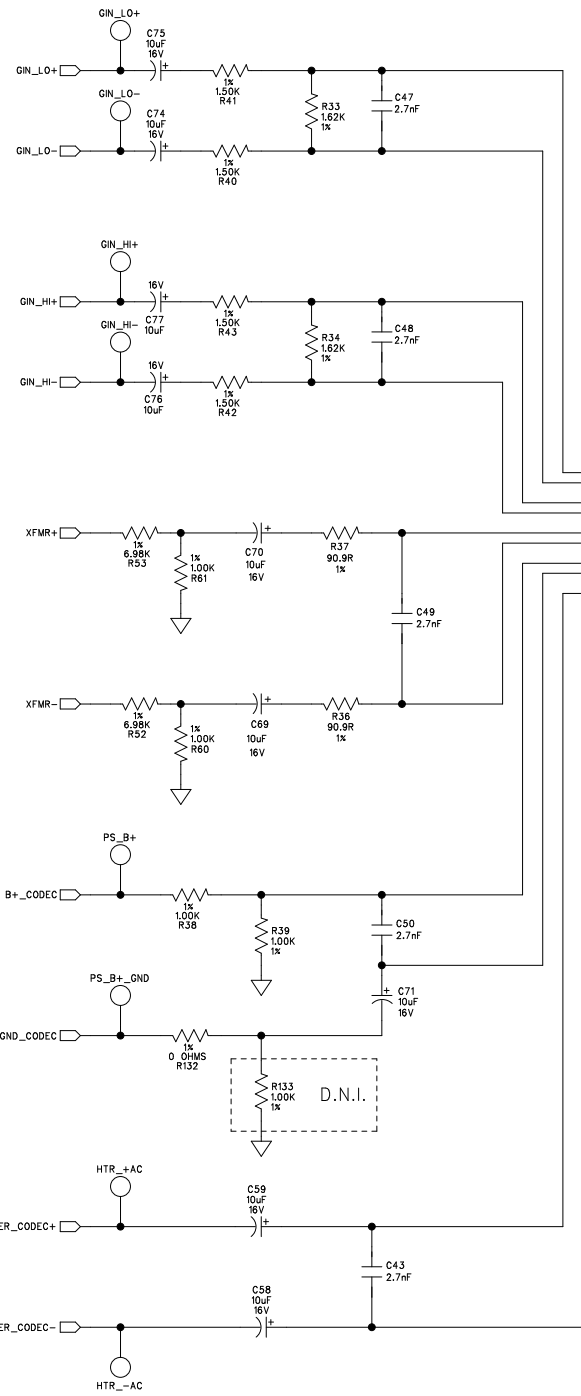
GUITAR IN LOW LEVEL
0dB

GUITAR IN HIGH LEVEL
+24 dB (A=16)

OUTPUT XFMR
RETURN

PS B+ VOLTAGE
(stepped down on PA/PS board)

HEATER AC VOLTAGE
(stepped down on PA/PS board)

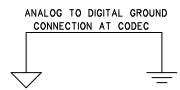
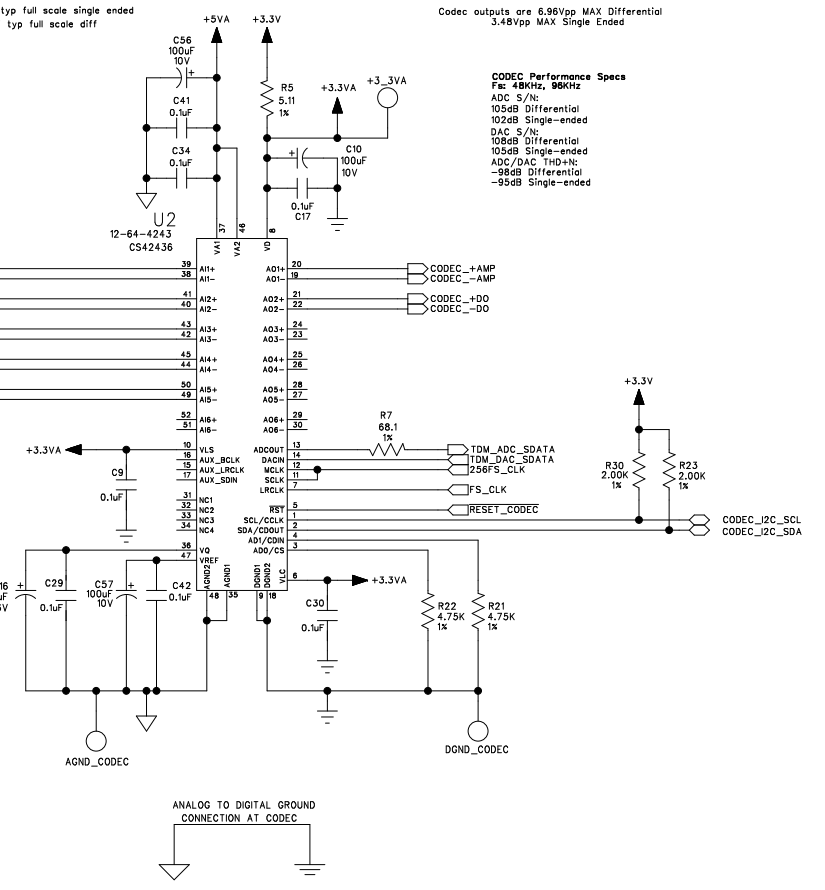


CODEC

CODEC inputs are 2.8Vpp typ full scale single ended
5.6V typ full scale diff

Codec outputs are 6.98Vpp MAX Differential
3.48Vpp MAX Single Ended

CODEC Performance Specs
 Fc: 48KHz, 96KHz
 ADC S/N: 105dB Differential, 102dB Single-ended
 DAC S/N: 108dB Differential, 105dB Single-ended
 ADC/DAC TSD-N: -98dB Differential, -95dB Single-ended

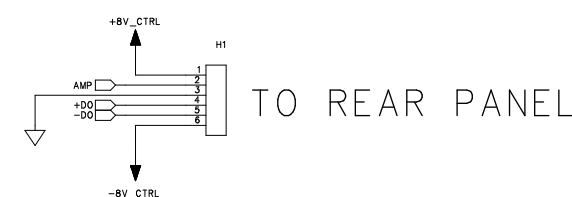
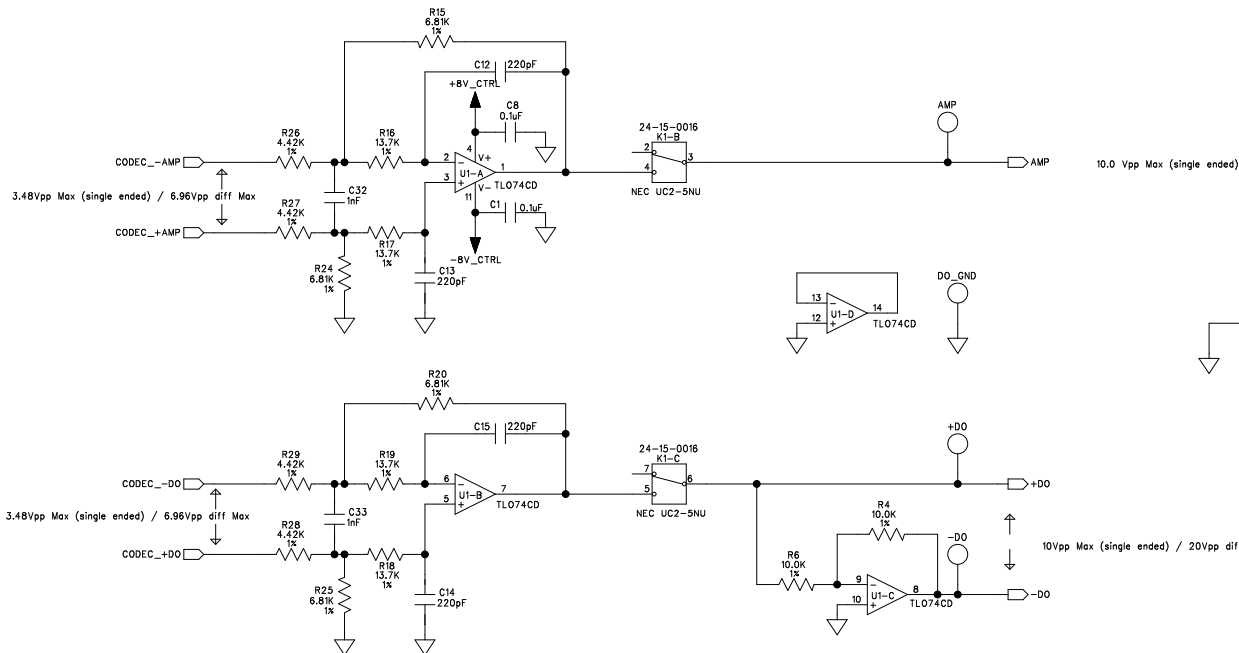


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COMPANY:		LINE 6	
TITLE: VETTA SYSTEM MAIN CODEC			
PROGRAM: PADS LOGIC 2007.45.1			REV: B
DRAWN: JPW, RFS	DATED: 07/12/10	PATH:	B
CHECKED: Review Board	DATED: 12/16/09	FILENAME: A25 Vetta System Main - Rev B.sch	
SHEET SIZE: C		PART NUMBER: 35-00-0380	SHEET: 4 OF 9

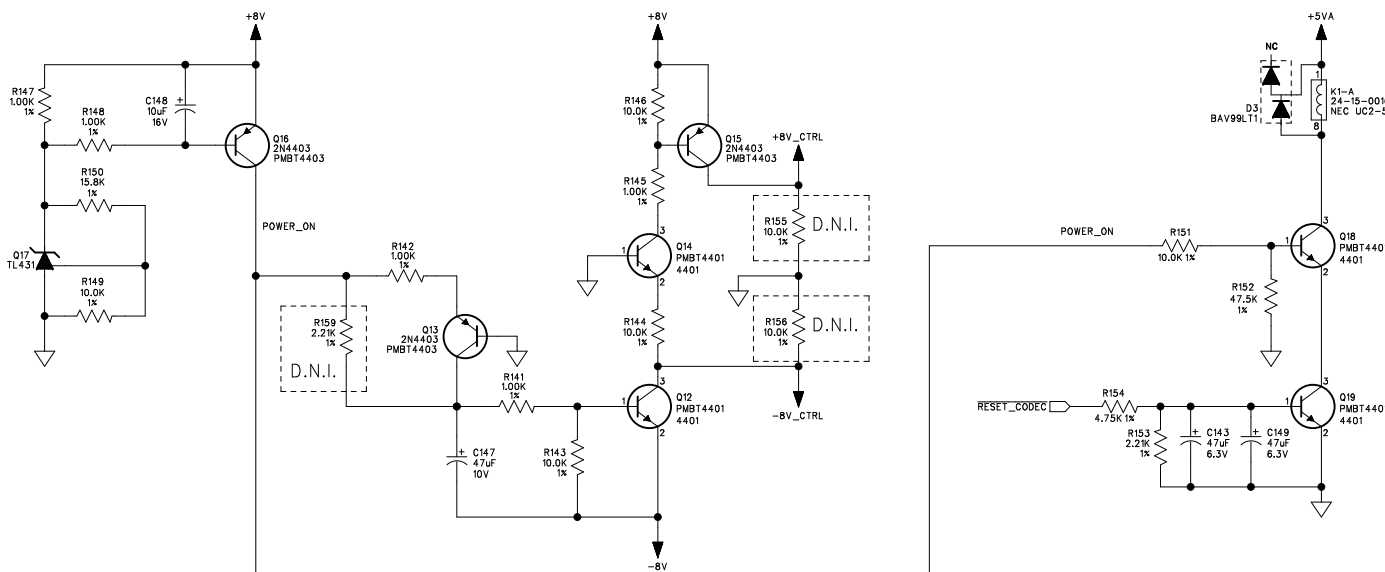
ANALOG OUTPUTS

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:



TO REAR PANEL

POWER ON/MUTING CONTROL



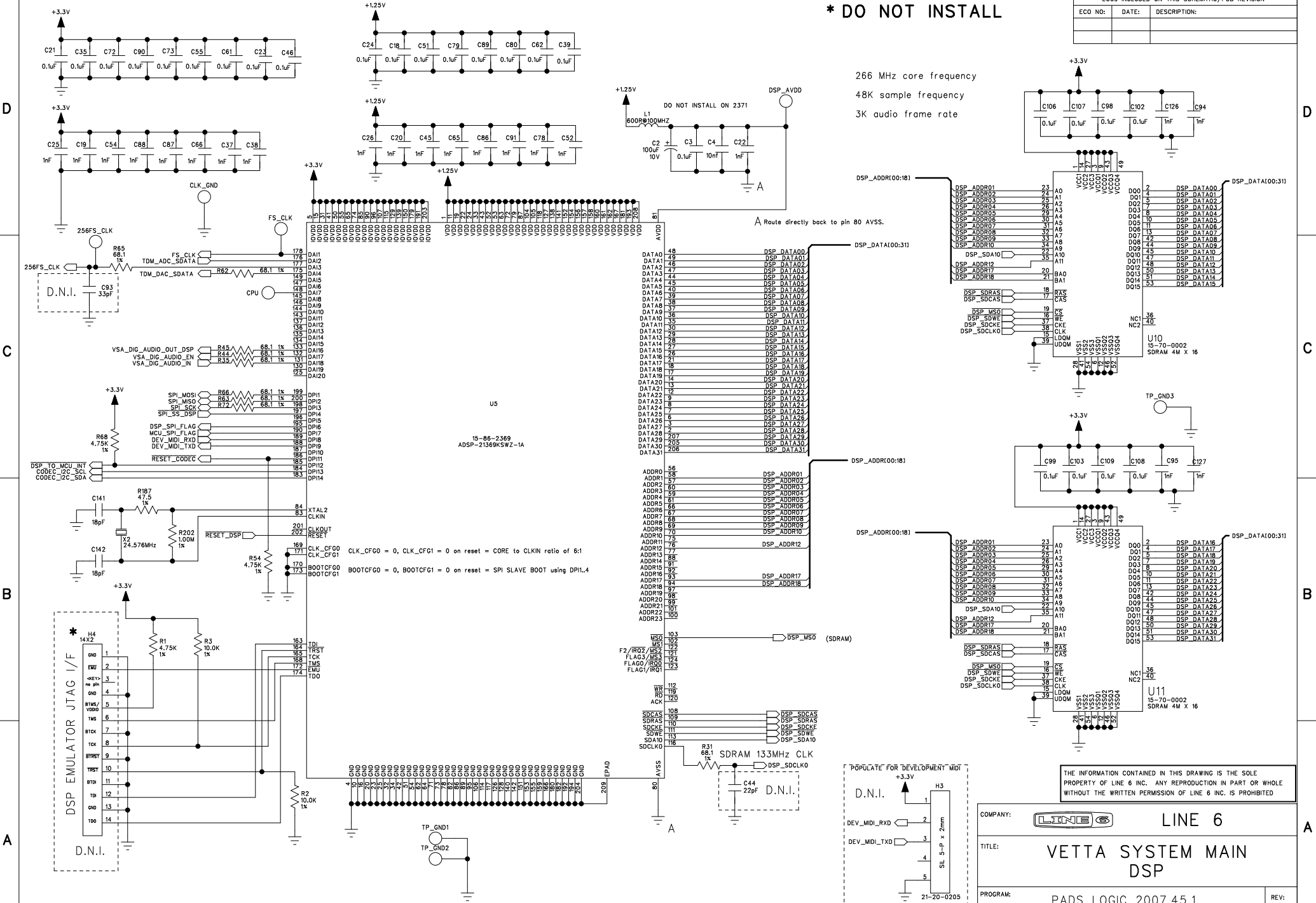
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COMPANY:	LINE 6	
TITLE:	VETTA SYSTEM MAIN ANALOG_OUT	
PROGRAM:	PADS LOGIC 2007.45.1	
DRAWN:	DATED:	REV:
JPW, RFS	07/12/10	B
CHECKED:	DATED:	FILENAME: A25 Vetta System Main - Rev B.sch
Review Board	12/16/09	SHEET SIZE: C
PART NUMBER: 35-00-0380		SHEET: 5 OF 9

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

*** DO NOT INSTALL**

266 MHz core frequency
48K sample frequency
3K audio frame rate



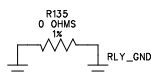
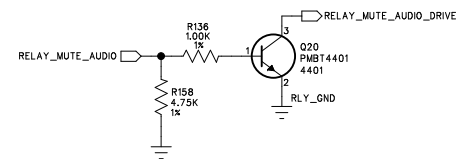
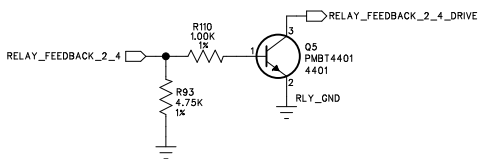
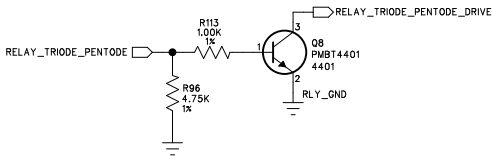
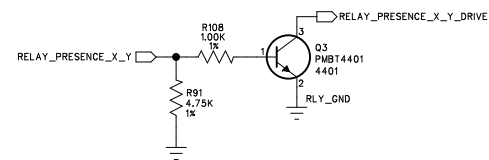
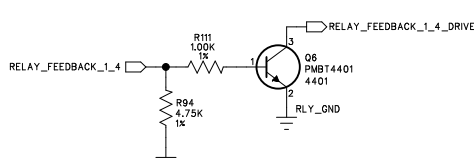
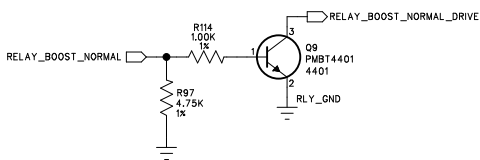
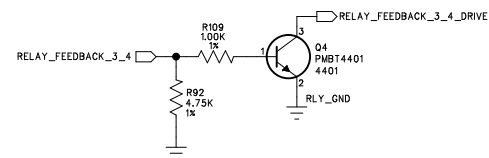
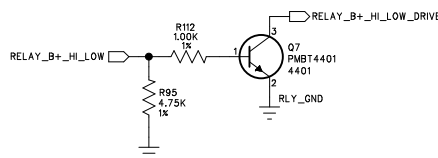
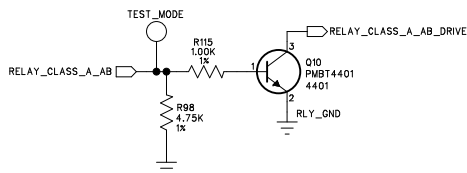
Pin	Signal	Pin	Signal
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49	DSP_DATA01	24	DSP_ADDR02
50	DSP_DATA02	25	DSP_ADDR03
51	DSP_DATA03	26	DSP_ADDR04
52	DSP_DATA04	27	DSP_ADDR05
53	DSP_DATA05	28	DSP_ADDR06
54	DSP_DATA06	29	DSP_ADDR07
55	DSP_DATA07	30	DSP_ADDR08
56	DSP_DATA08	31	DSP_ADDR09
57	DSP_DATA09	32	DSP_ADDR10
58	DSP_DATA10	33	DSP_ADDR11
59	DSP_DATA11	34	DSP_ADDR12
60	DSP_DATA12	35	DSP_ADDR13
61	DSP_DATA13	36	DSP_ADDR14
62	DSP_DATA14	37	DSP_ADDR15
63	DSP_DATA15	38	DSP_ADDR16
64	DSP_DATA16	39	DSP_ADDR17
65	DSP_DATA17	40	DSP_ADDR18
66	DSP_DATA18	41	DSP_ADDR19
67	DSP_DATA19	42	DSP_ADDR20
68	DSP_DATA20	43	DSP_ADDR21
69	DSP_DATA21	44	DSP_ADDR22
70	DSP_DATA22	45	DSP_ADDR23
71	DSP_DATA23	46	DSP_ADDR24
72	DSP_DATA24	47	DSP_ADDR25
73	DSP_DATA25	48	DSP_ADDR26
74	DSP_DATA26	49	DSP_ADDR27
75	DSP_DATA27	50	DSP_ADDR28
76	DSP_DATA28	51	DSP_ADDR29
77	DSP_DATA29	52	DSP_ADDR30
78	DSP_DATA30	53	DSP_ADDR31
79	DSP_DATA31	54	DSP_ADDR32
80	DSP_DATA32	55	DSP_ADDR33
81	DSP_DATA33	56	DSP_ADDR34
82	DSP_DATA34	57	DSP_ADDR35
83	DSP_DATA35	58	DSP_ADDR36
84	DSP_DATA36	59	DSP_ADDR37
85	DSP_DATA37	60	DSP_ADDR38
86	DSP_DATA38	61	DSP_ADDR39
87	DSP_DATA39	62	DSP_ADDR40
88	DSP_DATA40	63	DSP_ADDR41
89	DSP_DATA41	64	DSP_ADDR42
90	DSP_DATA42	65	DSP_ADDR43
91	DSP_DATA43	66	DSP_ADDR44
92	DSP_DATA44	67	DSP_ADDR45
93	DSP_DATA45	68	DSP_ADDR46
94	DSP_DATA46	69	DSP_ADDR47
95	DSP_DATA47	70	DSP_ADDR48
96	DSP_DATA48	71	DSP_ADDR49
97	DSP_DATA49	72	DSP_ADDR50
98	DSP_DATA50	73	DSP_ADDR51
99	DSP_DATA51	74	DSP_ADDR52
100	DSP_DATA52	75	DSP_ADDR53
101	DSP_DATA53	76	DSP_ADDR54
102	DSP_DATA54	77	DSP_ADDR55
103	DSP_DATA55	78	DSP_ADDR56
104	DSP_DATA56	79	DSP_ADDR57
105	DSP_DATA57	80	DSP_ADDR58
106	DSP_DATA58	81	DSP_ADDR59
107	DSP_DATA59	82	DSP_ADDR60
108	DSP_DATA60	83	DSP_ADDR61
109	DSP_DATA61	84	DSP_ADDR62
110	DSP_DATA62	85	DSP_ADDR63
111	DSP_DATA63	86	DSP_ADDR64
112	DSP_DATA64	87	DSP_ADDR65
113	DSP_DATA65	88	DSP_ADDR66
114	DSP_DATA66	89	DSP_ADDR67
115	DSP_DATA67	90	DSP_ADDR68
116	DSP_DATA68	91	DSP_ADDR69
117	DSP_DATA69	92	DSP_ADDR70
118	DSP_DATA70	93	DSP_ADDR71
119	DSP_DATA71	94	DSP_ADDR72
120	DSP_DATA72	95	DSP_ADDR73
121	DSP_DATA73	96	DSP_ADDR74
122	DSP_DATA74	97	DSP_ADDR75
123	DSP_DATA75	98	DSP_ADDR76
124	DSP_DATA76	99	DSP_ADDR77
125	DSP_DATA77	100	DSP_ADDR78
126	DSP_DATA78	101	DSP_ADDR79
127	DSP_DATA79	102	DSP_ADDR80
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129	DSP_DATA81	104	DSP_ADDR82
130	DSP_DATA82	105	DSP_ADDR83
131	DSP_DATA83	106	DSP_ADDR84
132	DSP_DATA84	107	DSP_ADDR85
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143	DSP_DATA95	118	DSP_ADDR96
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336	DSP_DATA288	311	DSP_ADDR289
337	DSP_DATA289	312	DSP_ADDR290
338	DSP_DATA290	313	DSP_ADDR291

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

RELAY DRIVERS

(RELAYS ON PA/PS BOARD)

Test Fixture connects TEST_MODE test point to +3.3V at power on to signal the MCU to enter test mode. Test fixture must open/tri-state this connection before testing relay drivers.



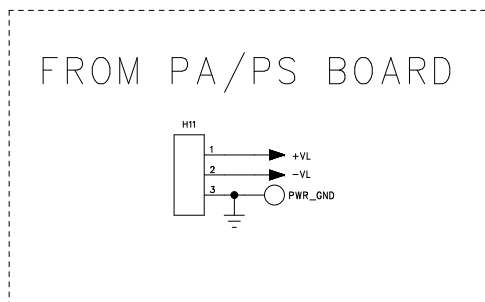
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LINE 6 INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LINE 6 INC. IS PROHIBITED

COMPANY:		LINE 6
TITLE:	VETTA SYSTEM MAIN RELAY_DRIVERS	
PROGRAM:	PADS LOGIC 2007.45.1	REV: B
DRAWN:	JPW, RFS	DATED: 07/12/10
CHECKED:	Review Board	DATED: 12/16/09
PATH:	FILENAME: A25 Vetta System Main - Rev B.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0380
		SHEET: 8 OF 9

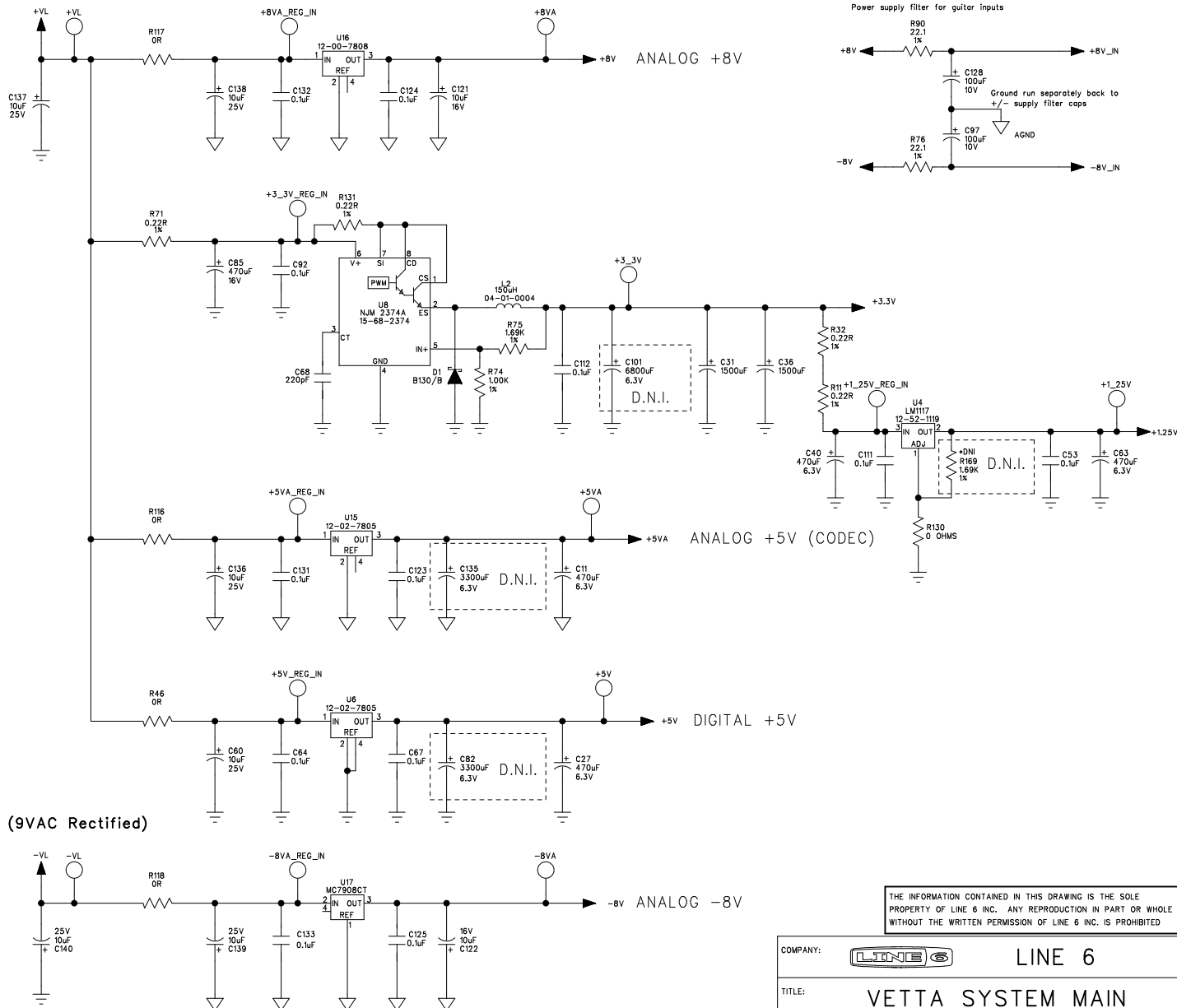
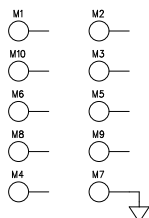
POWER

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

+13.86V (9VAC rectified)



GND and AGND connected at codec



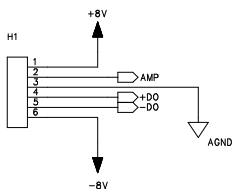
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LINE 6 INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LINE 6 INC. IS PROHIBITED

COMPANY:	LINE 6	
TITLE:	VETTA SYSTEM MAIN POWER	
PROGRAM:	PADS LOGIC 2007.45.1	REV: B
DRAWN:	DATED:	PATH:
JPW, RFS	07/12/10	
CHECKED:	DATED:	FILENAME:
Review Board	12/16/09	A25 Vetta System Main - Rev B.sch
SHEET SIZE:	C	PART NUMBER:
		35-00-0380
		SHEET: 9 OF 9

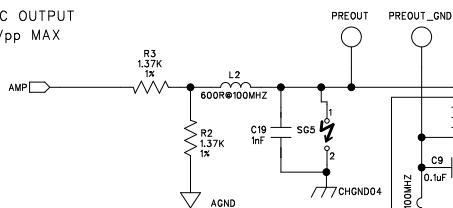
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

FX SND/RTN TO AMP & DIRECT OUT

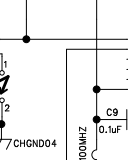
FROM MAIN BOARD



CODEC OUTPUT
10.0Vpp MAX



PREOUT PREOUT_GND

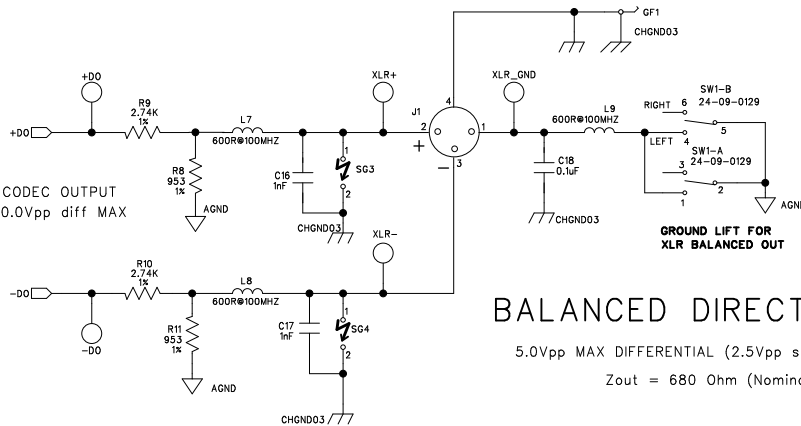


FX
UNBALANCED
PREAMP OUTPUT

5.0Vpp MAX
Zout = 680 Ohm (Nominal)



CODEC OUTPUT
20.0Vpp diff MAX

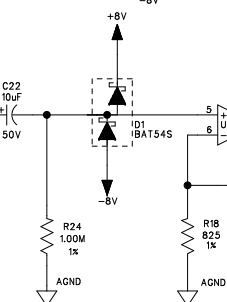
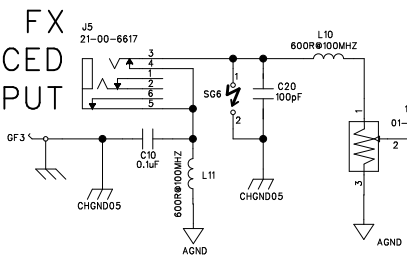


BALANCED DIRECT OUT

5.0Vpp MAX DIFFERENTIAL (2.5Vpp single ended)
Zout = 680 Ohm (Nominal)

GROUND LIFT FOR
XLR BALANCED OUT

FX
UNBALANCED
PREAMP INPUT



Gain to set Center Dent on R1
100K Analog pot to 0dB gain.

Gain set to offset 50%
mixer level attenuation.

TO POWER
AMP INPUT

5.0Vpp MAX
Zout = 680 Ohm (Nominal)

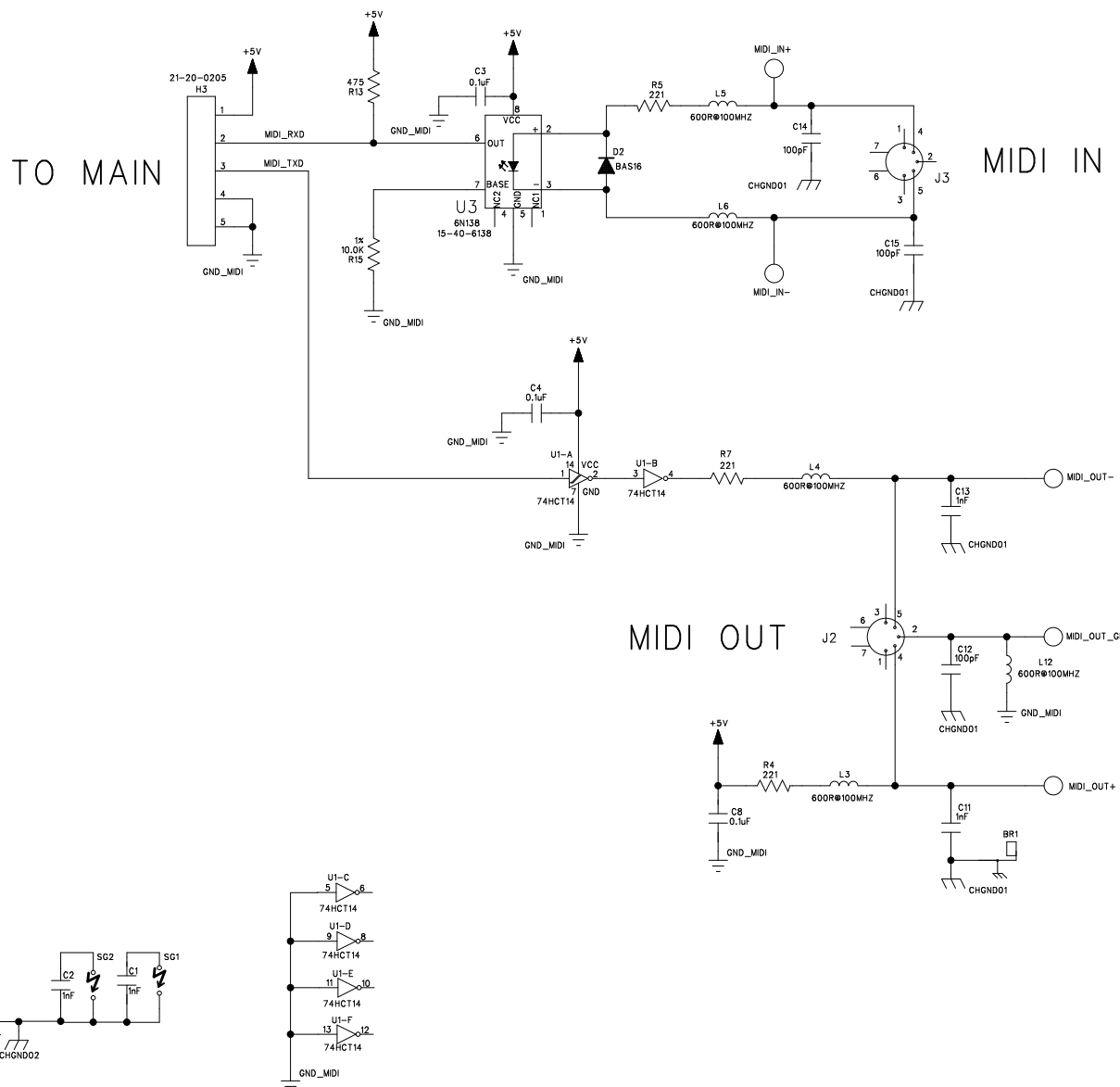
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COMPANY:	LINE 6	
TITLE:	VETTA SYSTEM DIRECT_FX	
PROGRAM:	PADS LOGIC 2007.45.1	
DRAWN:	DATED:	REV:
JPW	07/01/10	A
CHECKED:	DATED:	FILENAME:
Review Board	12/31/09	A25 Vetta System FX-Direct-MIDI - Rev A.sch
SHEET SIZE:	PART NUMBER:	SHEET:
C	35-00-0381	1 OF 2

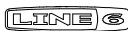
DRAWN:	DATED:	FILENAME:	SHEET:
JPW	07/01/10	A25 Vetta System FX-Direct-MIDI - Rev A.sch	1 OF 2
CHECKED:	DATED:	SHEET SIZE:	PART NUMBER:
Review Board	12/31/09	C	35-00-0381

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

MIDI INTERFACE

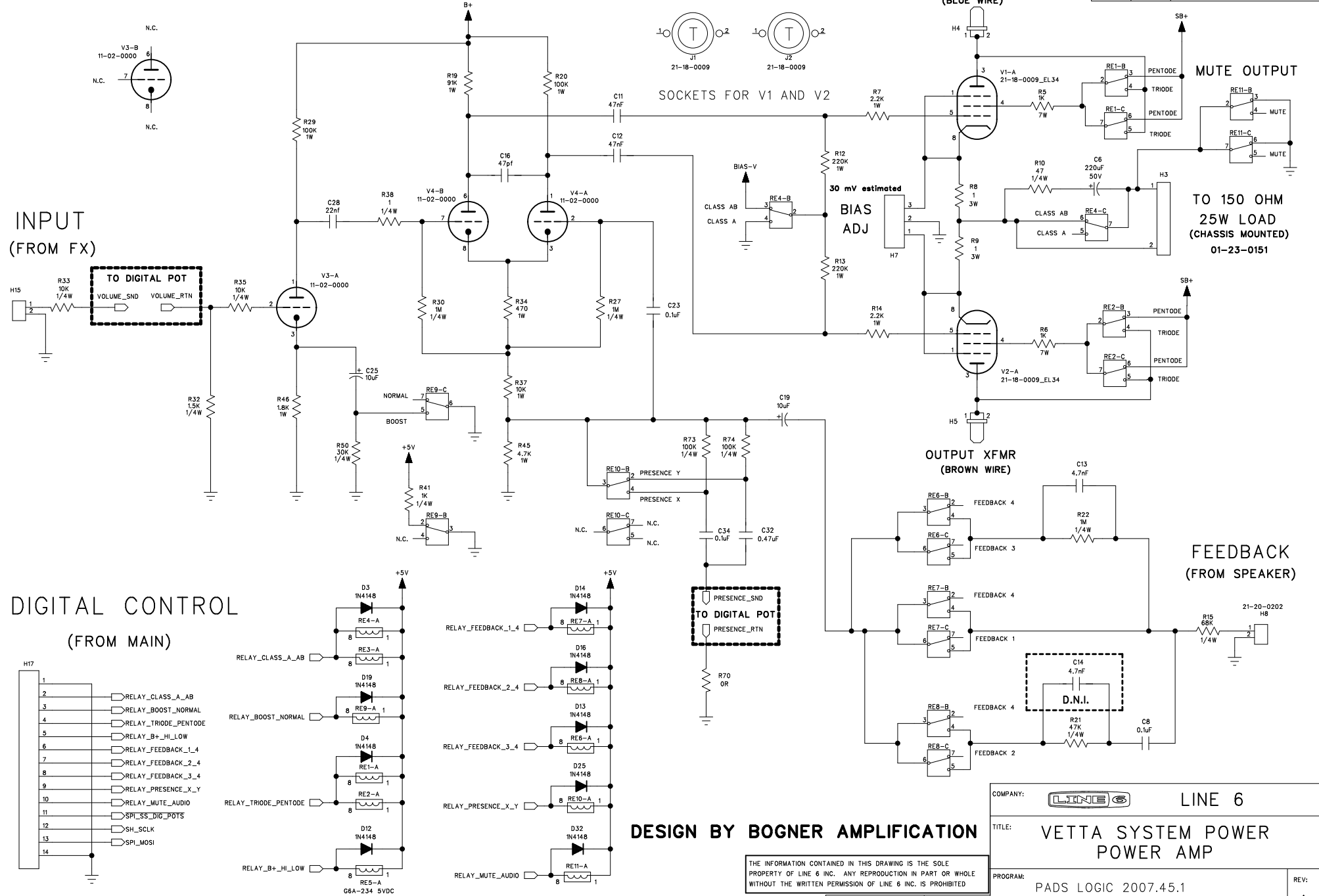


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COMPANY:  LINE 6	
TITLE: VETTA SYSTEM MIDI	
PROGRAM: PADS LOGIC 2007.45.1	REV: A
DRAWN: JPW	DATED: 07/01/10
CHECKED: Review Board	DATED: 12/31/09
PATH: FILENAME: A25 Vetta System FX-Direct-MIDI - Rev A.sch	SHEET SIZE: C
PART NUMBER: 35-00-0381	SHEET: 2 OF 2

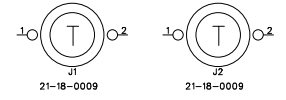
POWER AMP

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:



INPUT
(FROM FX)

DIGITAL CONTROL
(FROM MAIN)



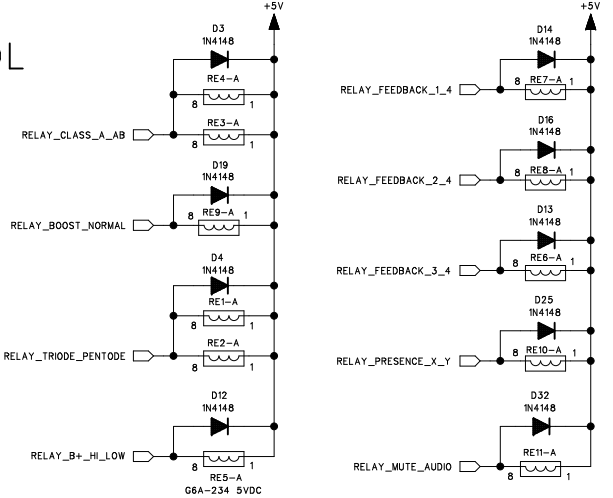
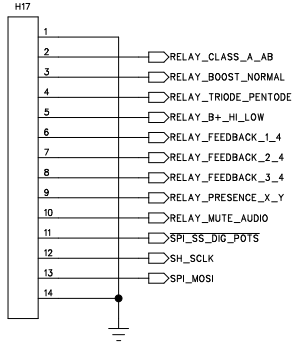
OUTPUT XFMR
(BLUE WIRE)

MUTE OUTPUT

OUTPUT XFMR
(BROWN WIRE)

FEEDBACK
(FROM SPEAKER)

TO 150 OHM
25W LOAD
(CHASSIS MOUNTED)
01-23-0151



DESIGN BY BOGNER AMPLIFICATION

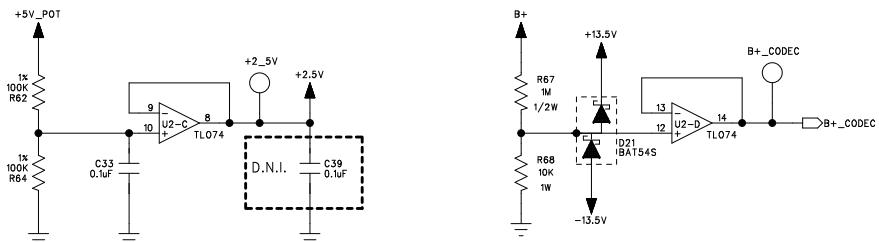
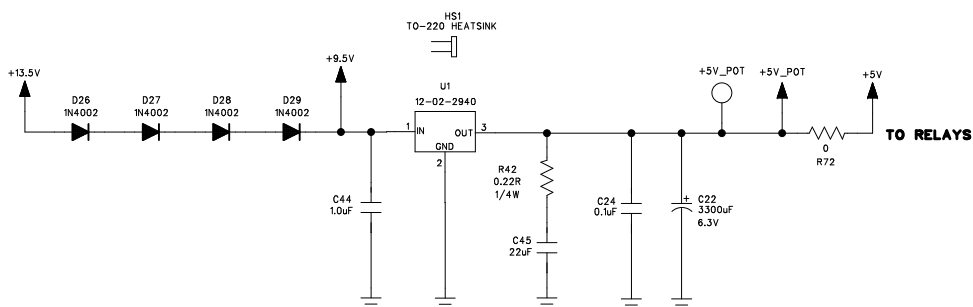
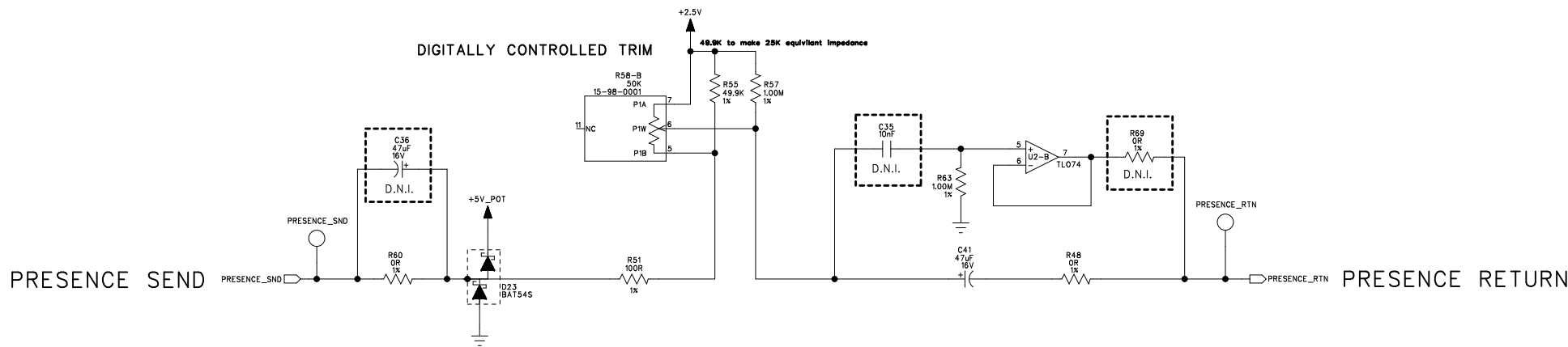
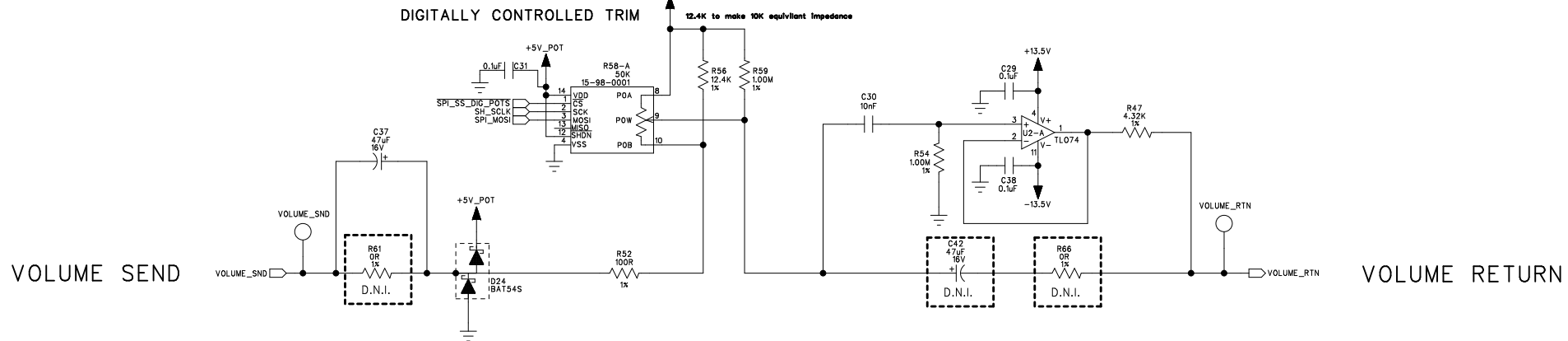
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DRAWN: JPW/HHX	DATED: 07/02/10
CHECKED: Review Board	DATED: 01/07/10

COMPANY: LINE 6	LINE 6
TITLE: VETTA SYSTEM POWER POWER AMP	
PROGRAM: PADS LOGIC 2007.45.1	REV: A
FILENAME: A25 Vetta System Power Rev A.sch	
SCALE: 1:1	SIZE: C
PART NUMBER: 35-00-0382-1,2	SHEET: 1 OF 4

DIGITAL POTS

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:



DESIGN BY BOGNER AMPLIFICATION

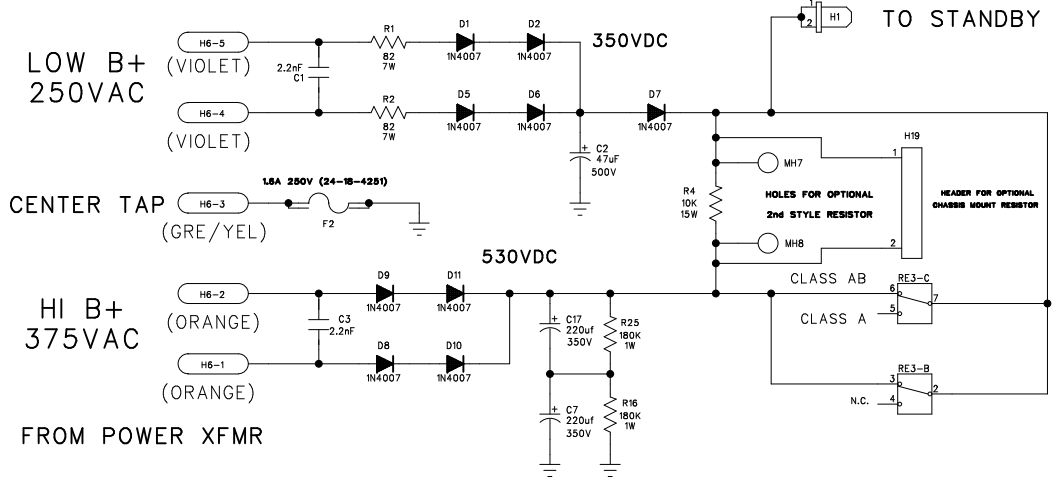
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DRAWN: JPW/HHX	DATED: 07/02/10
CHECKED: Review Board	DATED: 01/07/10

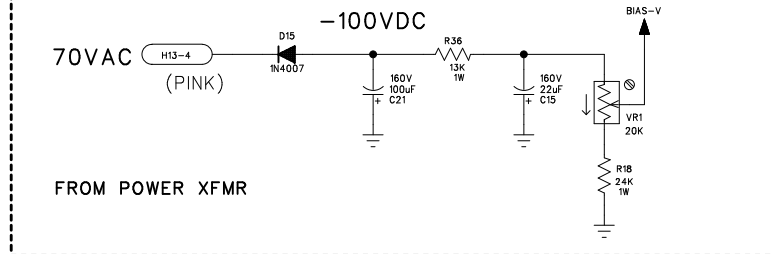
COMPANY:	LINE 6
TITLE: VETTA SYSTEM POWER DIGITAL POTS	
PROGRAM: PADS LOGIC 2007.45.1	REV: A
FILENAME: A25 Vetta System Power Rev A.sch	
SCALE: 1:1	SIZE: C
PART NUMBER: 35-00-0382-1,2	SHEET: 2 OF 4

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

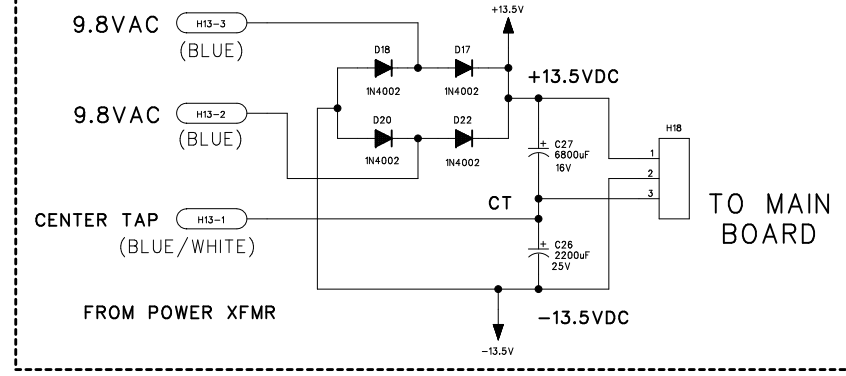
STANDBY / B+ POWER RECTIFICATION



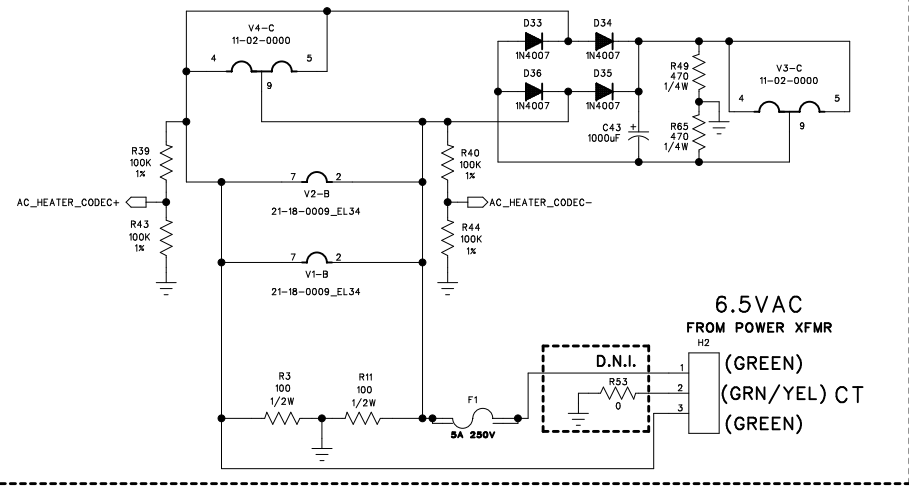
TUBE BIAS VOLTAGE



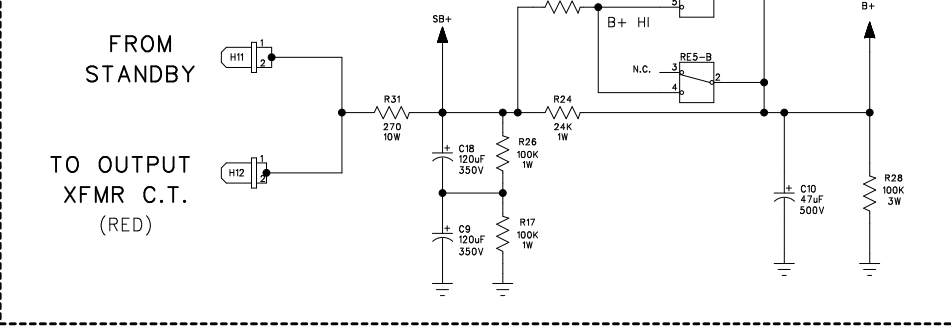
MAIN POWER TO MAIN BOARD



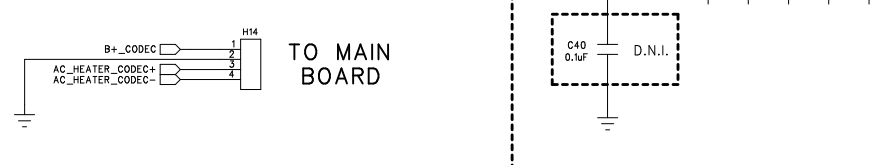
TUBE HEATER VOLTAGE



STANDBY / B+ VOLTAGE



B+ / AC HEATER TAP



DESIGN BY BOGNER AMPLIFICATION

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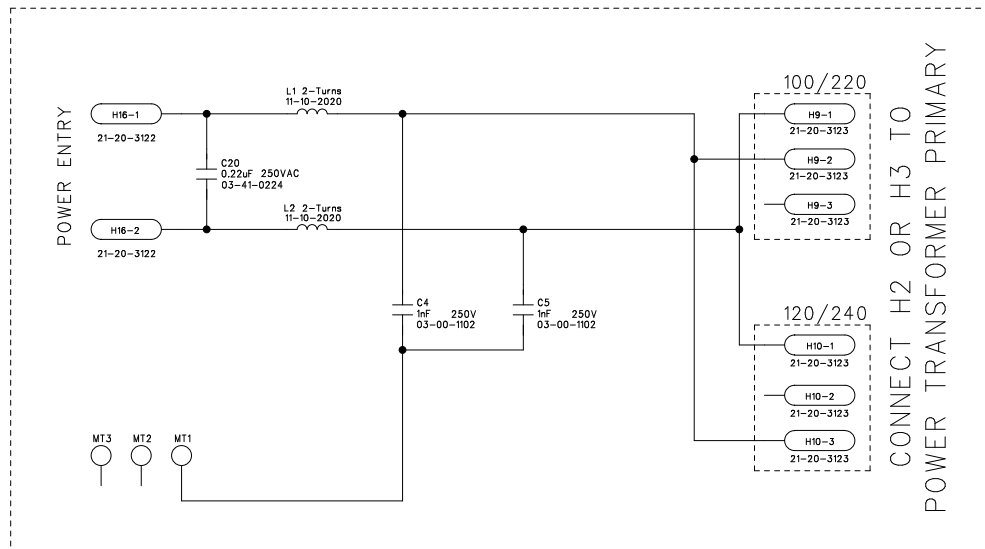
DRAWN:	DATED:
JPW/HHX	07/02/10
CHECKED:	DATED:
Review Board	01/07/10

COMPANY:	LINE 6
TITLE:	VETTA SYSTEM POWER SUPPLY
PROGRAM:	PADS LOGIC 2007.45.1
FILENAME:	A25 Vetta System Power Rev A.sch
SCALE:	1:1
SIZE:	C
PART NUMBER:	35-00-0382-1,2
SHEET:	3 OF 4

REV: A


ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

AC POWER ENTRY – POWER SUPPLY TRANSFORMER (BREAKAWAY)



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DESIGN BY BOGNER AMPLIFICATION

COMPANY:	 LINE 6
TITLE:	VETTA SYSTEM POWER AC FILTER
PROGRAM:	PADS LOGIC 2007.45.1
FILENAME:	A25 Vetta System Power Rev A.sch
SCALE: 1:1	SIZE: C
PART NUMBER: 35-00-0382-1,2	SHEET: 4 OF 4

DRAWN:	DATED:
JPW/HHX	07/02/10
CHECKED:	DATED:
Review Board	01/07/10

REV: A

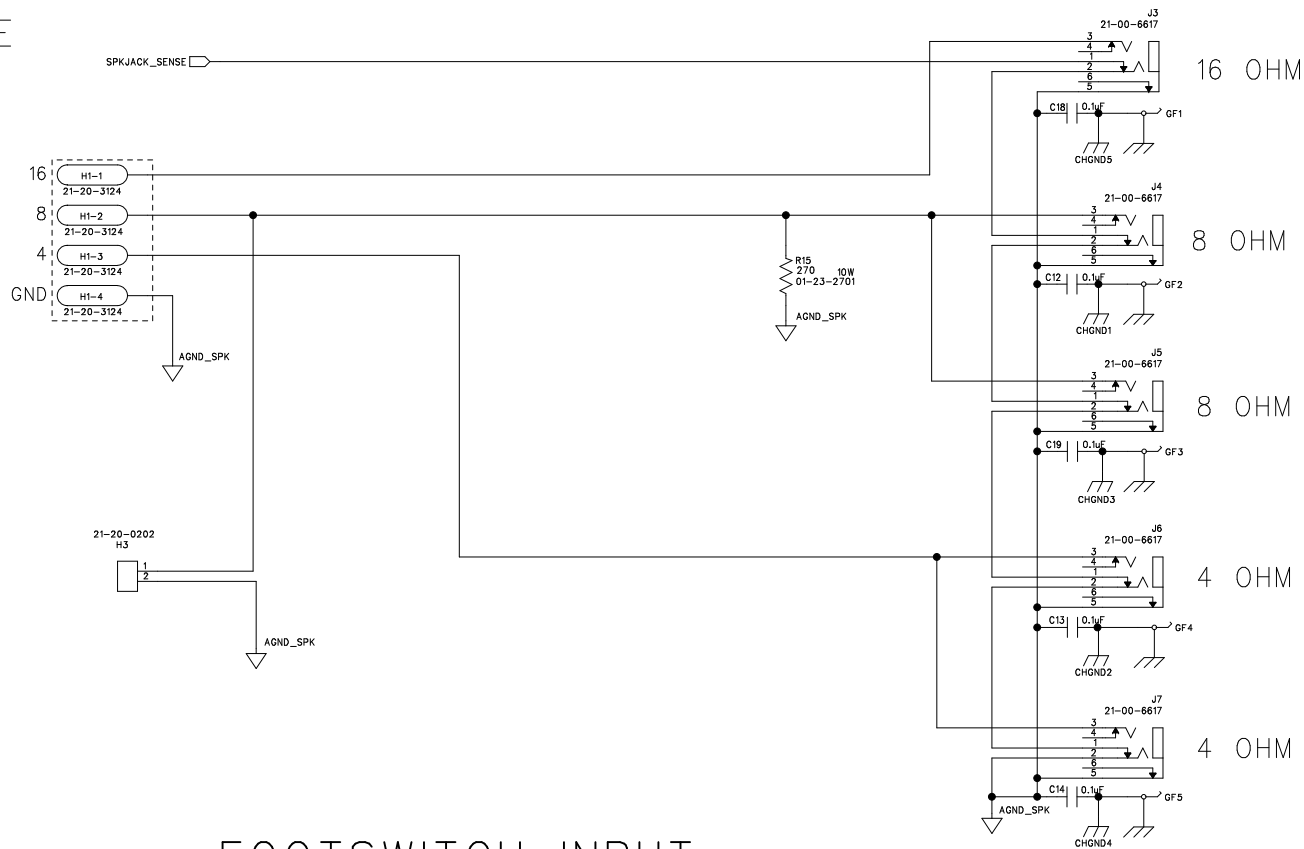
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

SPEAKER JACKS

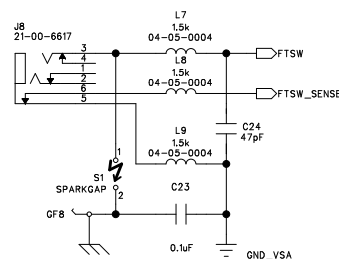
SPEAKER JACK SENSE
TO MAIN PCB

OUTPUT
TRANSFORMER
SECONDARY

FEEDBACK TO
POWER AMP



FOOTSWITCH INPUT



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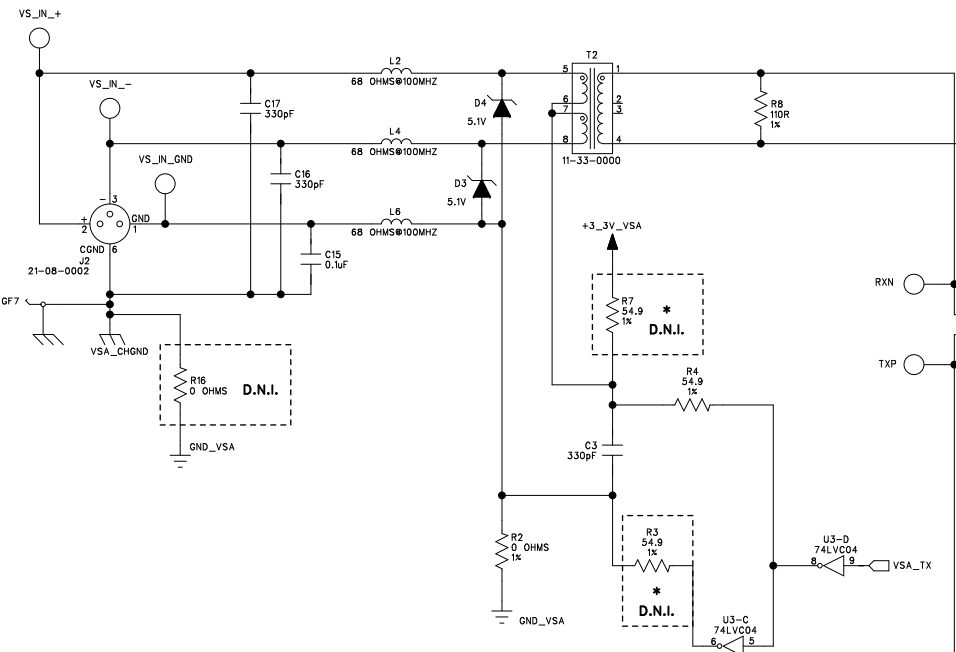
COMPANY:	LINE 6	
TITLE:	VETTA SYSTEM SPEAKER_FOOT	
PROGRAM:	PADS LOGIC 2007.45.1	REV: B
DRAWN:	DATED:	PATH:
JPW	08/25/10	FILENAME: A25 Vetta System Speaker-Vetta-Footswitch - Rev B.sch
CHECKED:	DATED:	SHEET SIZE: C
Review Board	12/31/09	PART NUMBER: 35-00-0383
		SHEET: 1 OF 2

VETTA SYSTEM CONNECTOR

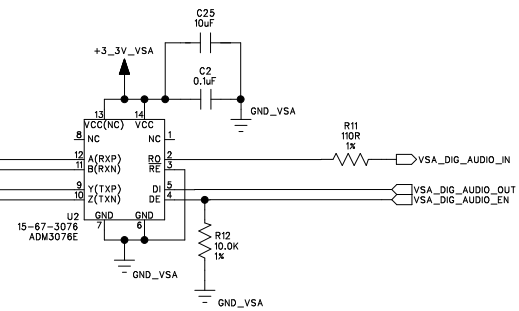
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

VETTA IN

FEMALE XLR - IN

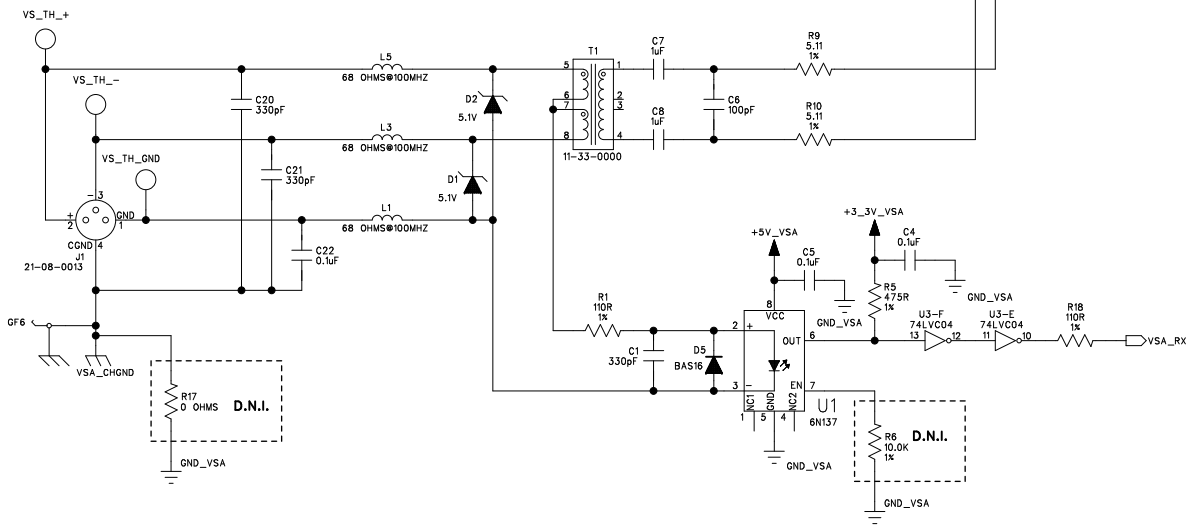


* DO NOT INSTALL

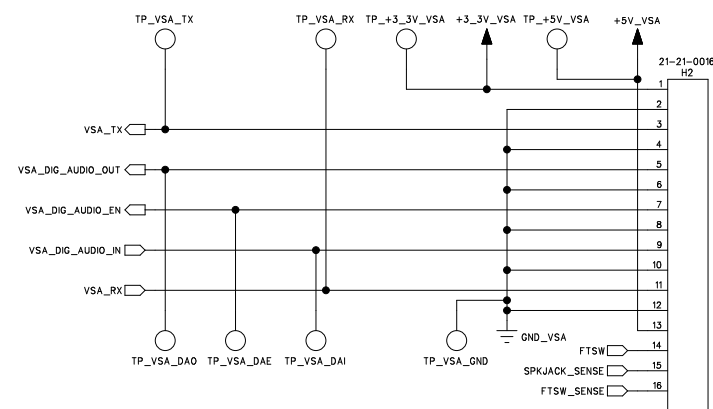


VETTA THRU

MALE XLR - THRU



TO MAIN BOARD



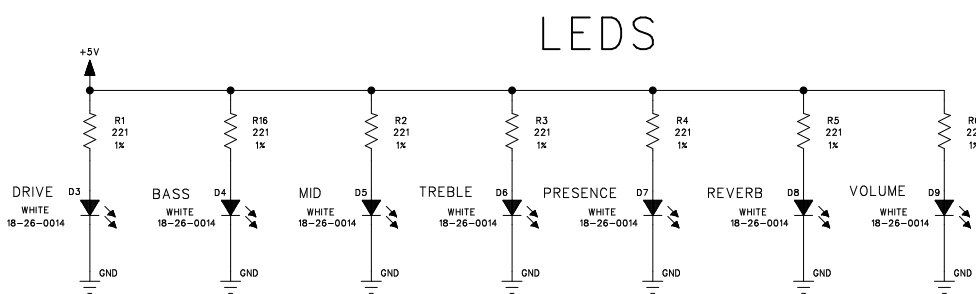
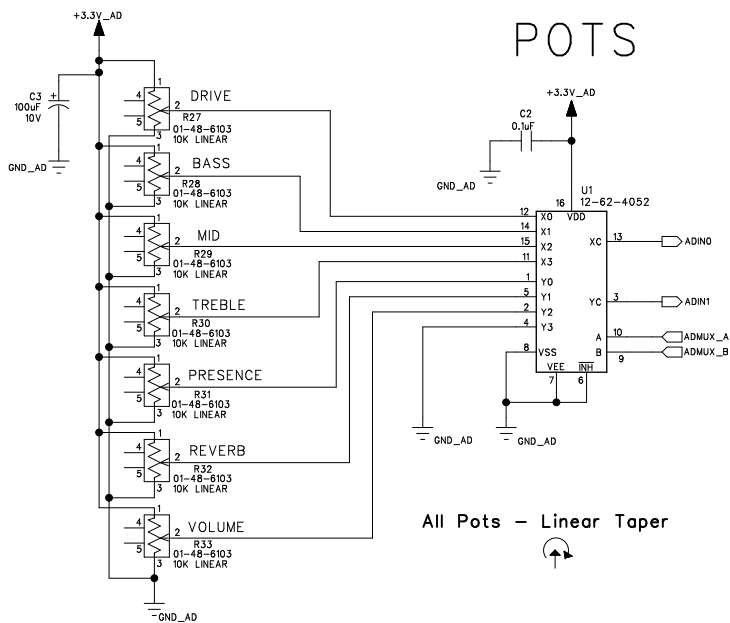
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LINE 6 INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LINE 6 INC. IS PROHIBITED

COMPANY:		
TITLE:	LINE 6 VETTA SYSTEM VS_CONNECTOR	
PROGRAM:	PADS LOGIC 2007.45.1	
REV:	B	

DRAWN:	DATED:	PATH:
JPW	08/25/10	
CHECKED:	DATED:	FILENAME:
Review Board	12/31/09	A25 Vetta System Speaker-Vetta-Footswitch - Rev B.sch
SHEET SIZE:	PART NUMBER:	SHEET:
C	35-00-0383	2 OF 2

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

CHANNEL A POTS & LEDES

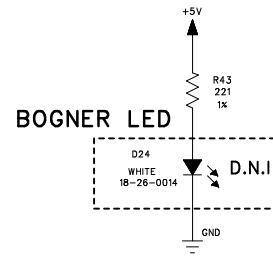
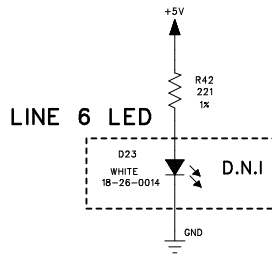
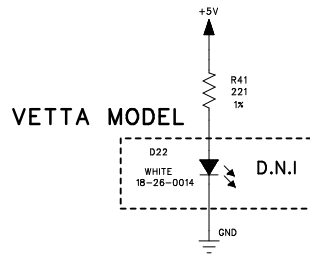
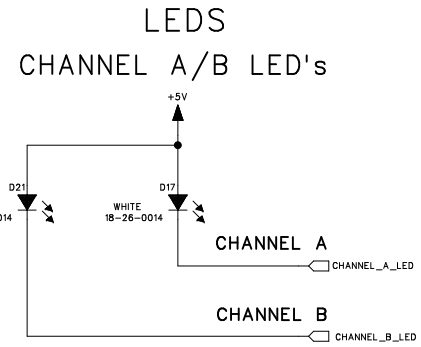
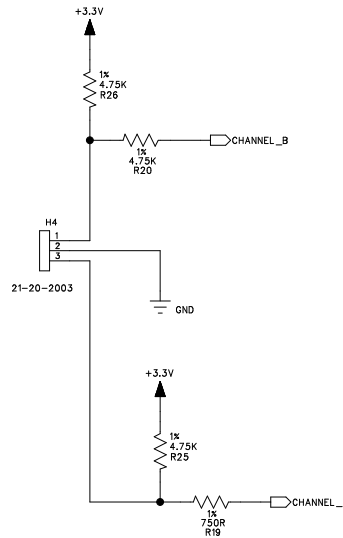
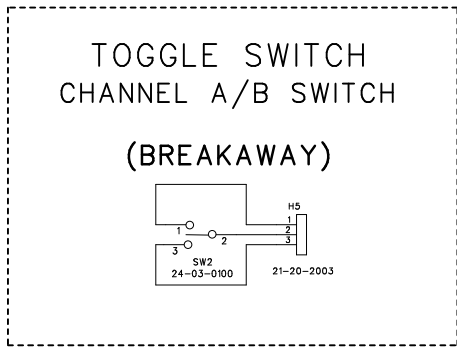


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COMPANY:		LINE 6
TITLE:	VETTA SYSTEM UI LEFT CHANNEL_A_POTS	
PROGRAM:	PADS LOGIC 2007.45.1	REV: B
DRAWN:	JPW	DATED: 07/08/10
CHECKED:	JPW	DATED: 12/31/09
FILENAME:	A25 Vetta System UI Left - Rev B.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0384
		SHEET: 1 OF 5

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

CHANNEL A/B SWITCH

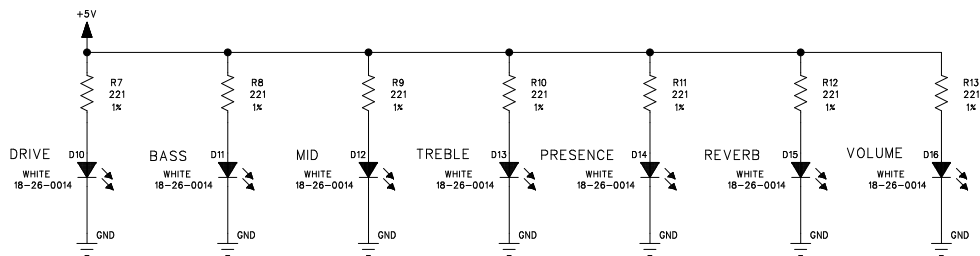
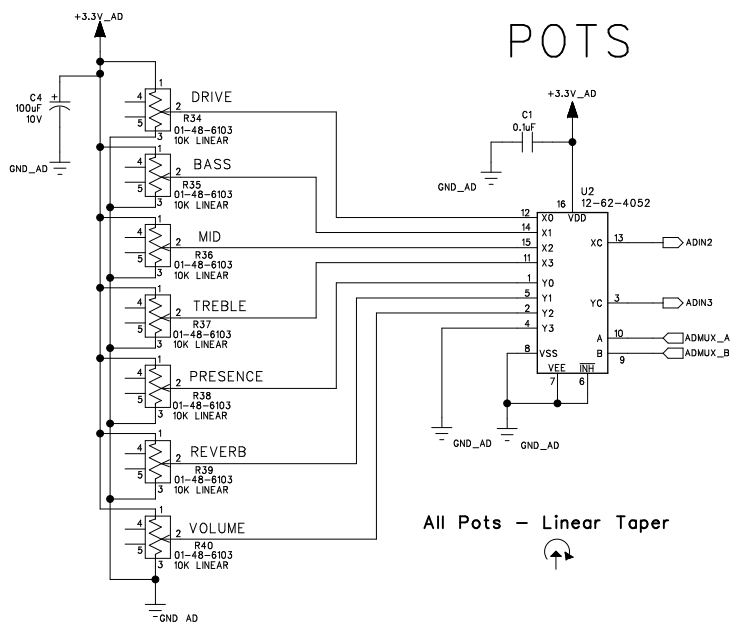


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COMPANY:		LINE 6
TITLE:	VETTA SYSTEM UI LEFT CHANNEL_AB	
PROGRAM:	PADS LOGIC 2007.45.1	REV: B
DRAWN:	JPW	DATED: 07/08/10
CHECKED:	JPW	DATED: 12/31/09
PATH:	FILENAME: A25 Vetta System UI Left - Rev B.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0384
		SHEET: 2 OF 5

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

CHANNEL B POTS & LEDS



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COMPANY:		
TITLE:	VETTA SYSTEM UI LEFT CHANNEL_B_POTS	
PROGRAM:	PADS LOGIC 2007.45.1	REV: B
DRAWN:	JPW	DATED: 07/08/10
CHECKED:	JPW	DATED: 12/31/09
FILENAME:	A25 Vetta System UI Left - Rev B.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0384
		SHEET: 3 OF 5

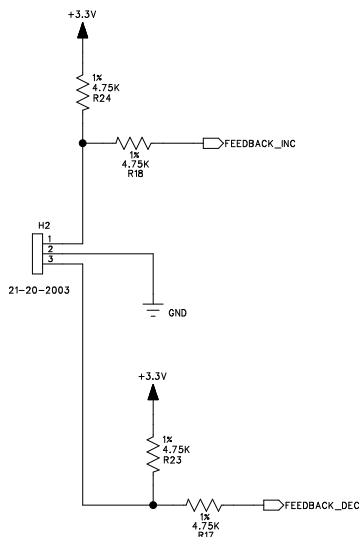
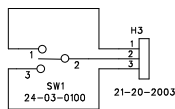
FEEDBACK & TRIODE/PENTODE

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

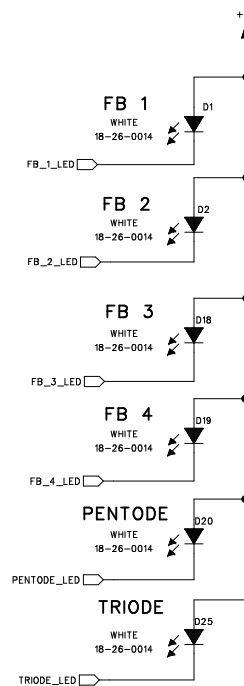
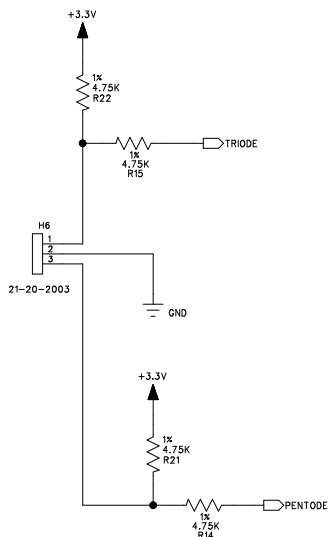
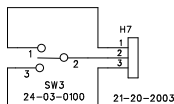
TOGGLE SWITCHES

LEDS

TOGGLE SWITCH
FEEDBACK
(BREAKAWAY)



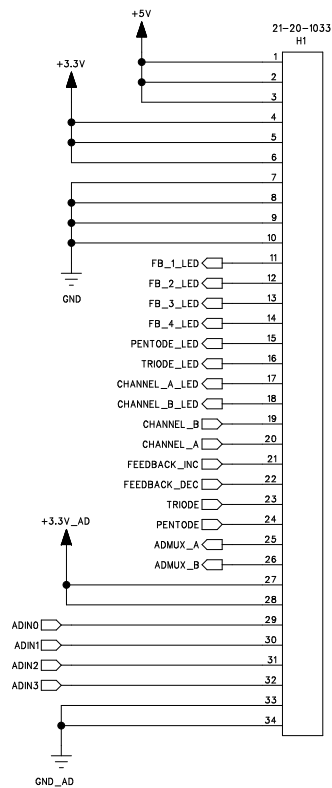
TOGGLE SWITCH
TRIODE/PENTODE
(BREAKAWAY)



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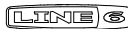
COMPANY:		LINE 6
TITLE:	VETTA SYSTEM UI LEFT FEEDBACK	
PROGRAM:	PADS LOGIC 2007.45.1	REV: B
DRAWN:	JPW	DATED: 07/08/10
CHECKED:	JPW	DATED: 12/31/09
PATH:	FILENAME: A25 Vetta System UI Left - Rev B.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0384
		SHEET: 4 OF 5

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:



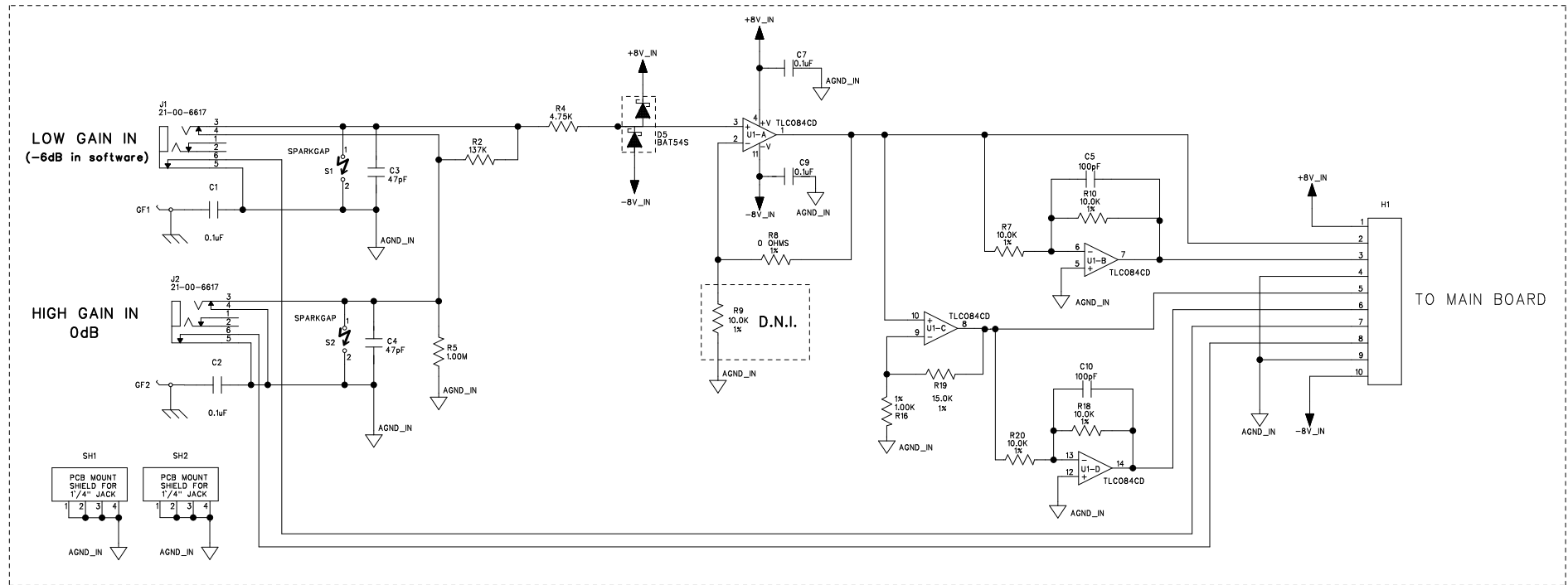
TO MAIN BOARD

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COMPANY:		LINE 6
TITLE:	VETTA SYSTEM UI LEFT MAIN_CONNECTOR	
PROGRAM:	PADS LOGIC 2007.45.1	REV: B
DRAWN:	JPW	DATED: 07/08/10
CHECKED:	JPW	DATED: 12/31/09
PATH:	FILENAME: A25 Vetta System UI Left - Rev B.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0384
		SHEET: 5 OF 5

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

GUITAR INPUT (BREAKAWAY)



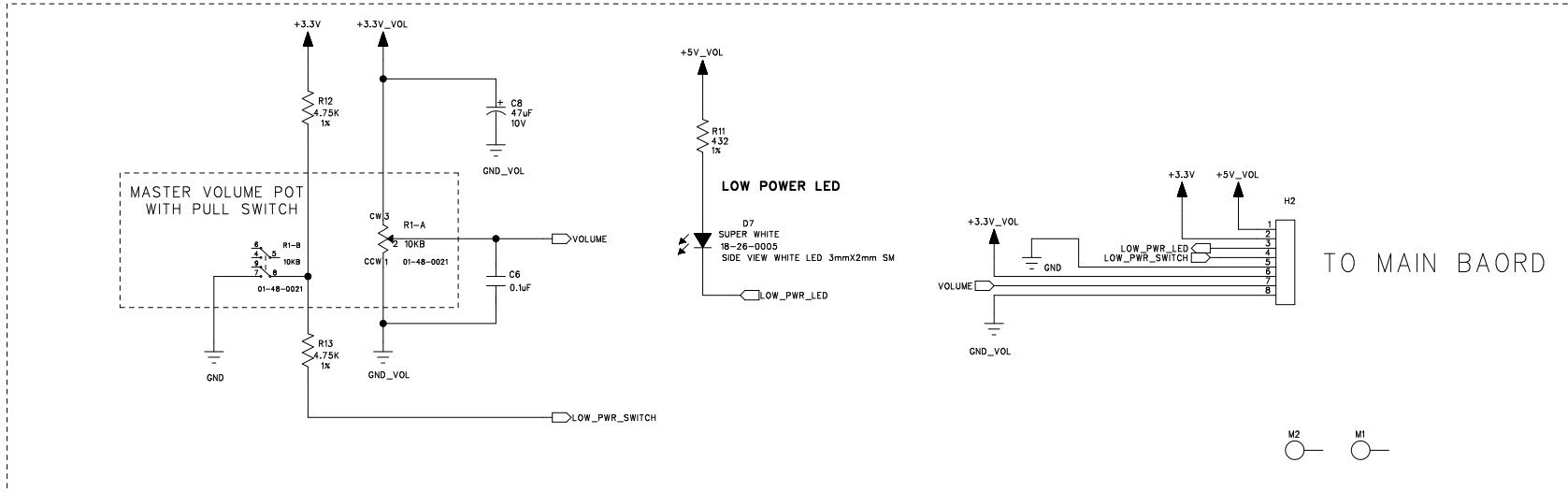
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LINE 6 INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LINE 6 INC. IS PROHIBITED

COMPANY:	LINE 6
TITLE:	VETTA SYSTEM UI RIGHT GUITAR IN
PROGRAM:	PADS LOGIC 2007.45.1
REV:	A
FILENAME:	A25 Vetta System UI Right - Rev A.sch
SCALE: 1:1	SIZE: C PART NUMBER: 35-00-0385-1,2,3 SHEET: 1 OF 2

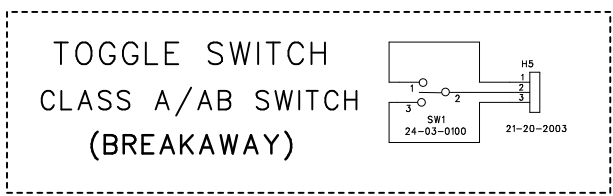
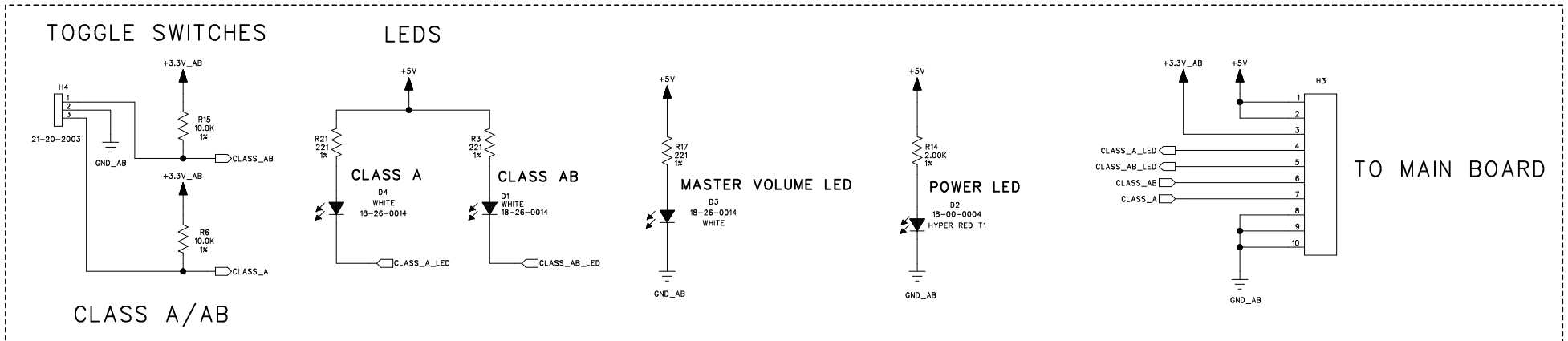
DRAWN:	DATED:
JPW	07/01/10
CHECKED:	DATED:
JPW	12/31/09

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:
0002862	04-23-10	CHANGE D2 FROM BLUE TO RED LED

MASTER VOLUME POT – HALF POWER & LED (BREAKAWAY)



CLASS A/AB – MASTER VOLUME LED – POWER LED (BREAKAWAY)



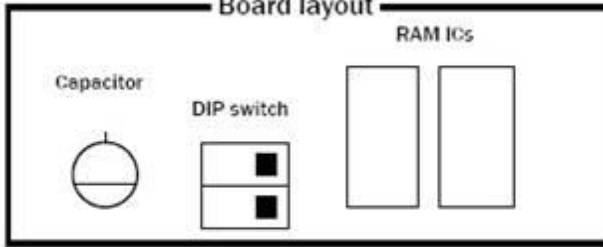
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LINE 6 INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LINE 6 INC. IS PROHIBITED

COMPANY:	LINE 6
TITLE:	NETTA SYSTEM UI RIGHT VOLUME & CLASS A-B/POWER LED
PROGRAM:	PADS LOGIC 2007.45.1
REV:	A
FILENAME:	A25 Vetta System UI Right - Rev A.sch
SCALE: 1:1	SIZE: C
PART NUMBER:	35-00-0385-1,2,3
SHEET:	2 OF 2

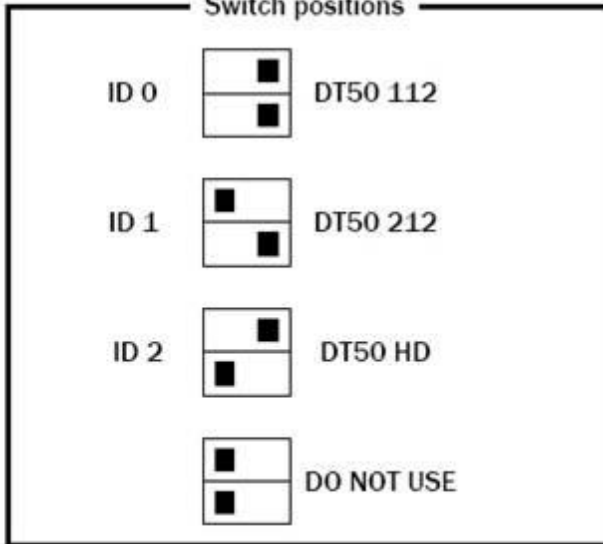
DRAWN:	JPW	DATED:	07/01/10
CHECKED:	JPW	DATED:	12/31/09

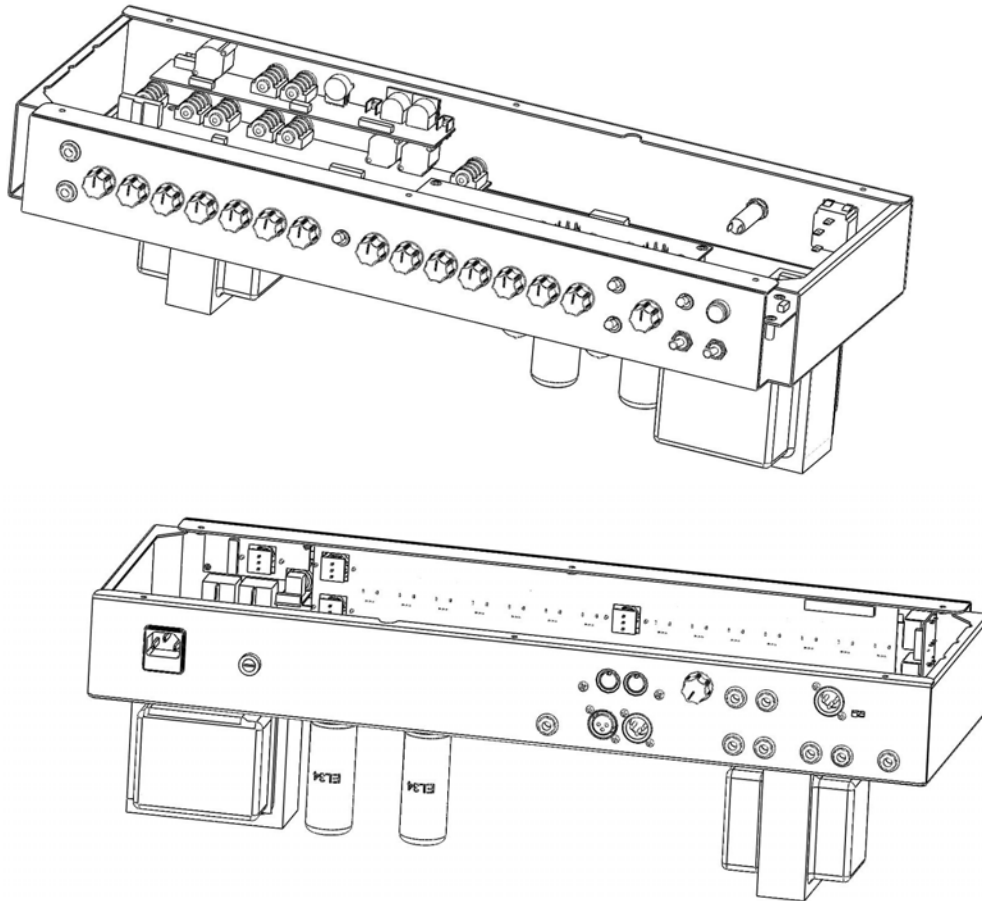
A25 ID SWITCH SETTINGS

Board layout



Switch positions





Forward and Notes

The information in this booklet applies to the Vetta Combos Chassis E/M Assembly (A25). It is suggested that the steps for assembly follow the order presented in these instructions.

These instructions deal with the assembling of the major subassemblies, the final product, and quality/inspection considerations. See also the Related Electrical assembly documentation for major considerations in assembling the electrical components of the PCBs (through the soldering process and preparation of the board for addition of custom components).

A note on the text: the illustrations in this book are for reference only. In some cases, color and geometry of illustrations may not accurately reflect the color or exact geometry of actual parts.

- Unless otherwise noted, all dimensions are in inches.
- Drawings are not to scale.
- Torque value tolerance +/- .5 in.-lbs. Do not over tighten any components.
- For clarity, not all component details are shown. This is especially true with respect to cable assemblies. They are often omitted from views to provide a clearer picture of the material discussed. Do not be confused by the absence (or unexpected presence) of any component in the illustrations in this book.



Revision Comment Sheet

Revision	Changes
A	ECO 0002657. Initial release.
B	<p>ECO 0002964.</p> <p>Step 1 – Revised Table 1 to add Chassis dash numbers (-1 and -2).</p> <p>Step 7 – Changed picture to show correct AC Rcptl Installation.</p> <p>Step 10 – Added qty 1 of 30-06-0032 Round Nut (Power Switch). - Changed pictures/description for correct AC Rcptl Wiring.</p> <p>Step 11 – Added qty 1 30-06-0032 Round Nut (Standby Switch).</p> <p>Step 14 – Added 30-51-0526 Jewel Lens Red (was 30-51-0113).</p> <p>Step 16 – Added qty 1 of 30-06-0032 Round Nut (Toggle Switch). Updated Solidworks image to remove standoff under Jewel LED</p> <p>Step 17 - Added qty 2 of 30-15-0041 SPACER (was 30-15-0004). Deleted qty 2 of 30-27-0510 Shoulder Washer.</p> <p>Step 18 – Added qty 3 of 30-06-0032 Round Nut (all Toggle Switches).</p> <p>Step 21 – Added 01-23-0151 Resistor and installation instructions.</p> <p>Step 23 – Added 21-34-0087-4 Cable (was 21-34-0086-3)</p> <p>Step 24 - Added picture/description of correct cable routing</p> <p>Step 37 - Updated assembly of 21-34-0114-3 cables showing correct install points.</p> <p>Step 38 – Added 21-34-1023-4 Cable (was 21-34-1023-3).</p> <p>Step 40 – Added picture showing proper use of cable ties.</p> <p>Step 42 – Added note to wear cotton gloves during handling of the tubes.</p> <p>Step 47 (DELETED) – Top foam strips removed from the design.</p>



C ECO 0003017.

Step 11 – Updated the Part Number for the Standby Switch to **24-03-0013**

Step 35 - Updated the Part Number for the cable to **21-34-0165**

Step 46 – Updated the Part Number for the Label Barcode S/N to
40-30-0013

D ECO 0003298.

Step 2 – Added qty 2 of 30-63-0600-7 Foam Strip under transformer.

Step 3 – Deleted qty 4 of 30-06-0832 hex nut. Added Loctite spec.
Increased torque spec.

Step 4 – Added qty 2 of 30-63-0600-6 Foam Strip under transformer.

Step 5 – Increased torque spec.

Step 7 – Updated fuse part numbers and values

Step 8 – Updated fuse part number and value

Step 10 – Fixed picture to show correct cable connection

Step 11 – Fixed picture to show correct cable connection

Step 20B – Added switch settings for identification (112, 212, HD)

Step 21A – Updated pictures showing correct Resistor

Step 21B – Added new chassis-mount Resistor (P/N 01-23-1103) and
associated hardware.

(pre) Step 24 – Updated pictures and description showing new cable
routing.

Step 40 – Updated pictures and description for wire ties

Step 42B – Added 30-51-0519 Tube Cage.

Step 42C - Installation of Tube Cage to chassis.



E ECO 0003359.

Step 3 – Added qty 4 of 30-03-1010 Washer Flat. Revised screw to 30-00-0269 Screw 8-32 x ½ (was 30-00-0125 Screw 8-32 x 5/16). Clarified loctite application.

Step 5 - Added qty 4 of 30-03-1010 Washer Flat. Revised screw to 30-00-0125 Screw 8-32 x 5/16 (was 30-00-0226 Screw 8-32 x 1/4). Clarified loctite application.

Steps 24, 25 & 27 – Added note to twist cables prior to installation.

Step 42A – Revised pre-amp tube P/N to 11-02-0007 (was 11-02-0011).

F PCO 00004.

Step 42a – Revised VALVE insertion for proper instructions

STEP 1

P/N required:

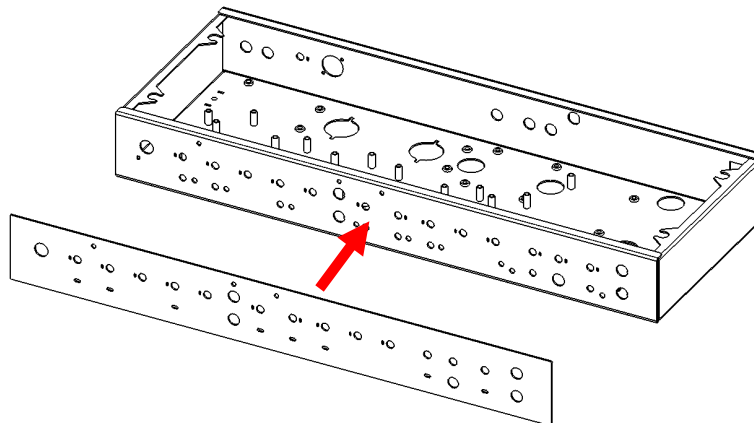
1 each **30-51-0514** CHASSIS A25 (SEE TABLE 1)

1 each **30-42-0067** OVERLAY FRONT (SEE TABLE 1)

TABLE 1

CHASSIS ASSEMBLY P/N	CHASSIS P/N	OVERLAY P/N
50-04-0091 ASSY VETTA 112	30-51-0514-1	30-42-0067-1
50-04-0094 ASSY VETTA 212	30-51-0514-2	30-42-0067-2

Remove the protective backing from the UI OVERLAY and press it into place on the CHASSIS face as shown. Care shall be taken to align the UI OVERLAY with edges and cutouts on the CHASSIS face.



STEP 2

P/N required:

2 each **30-63-0600-7** FOAM STRIP

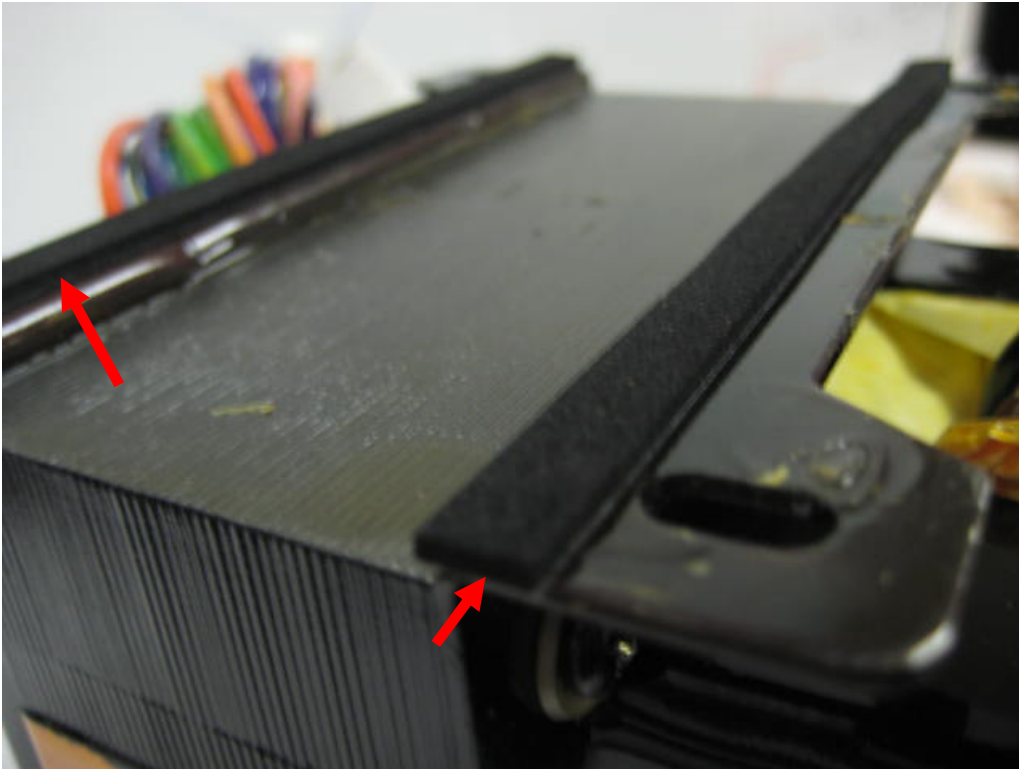
1 each POWER TRANSFORMER (see Table 1)

Table 1

AC Voltage	POWER TRANSFORMER part number
100/120 VAC (JA, US)	11-30-0044
220/240 VAC (AU, UK, EU)	11-30-0045



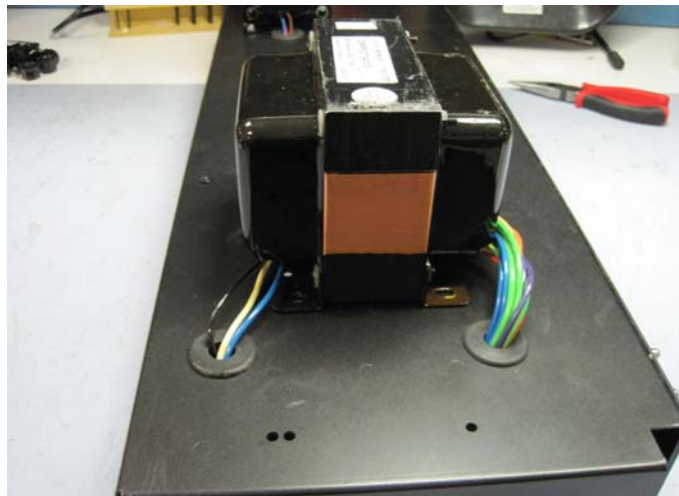
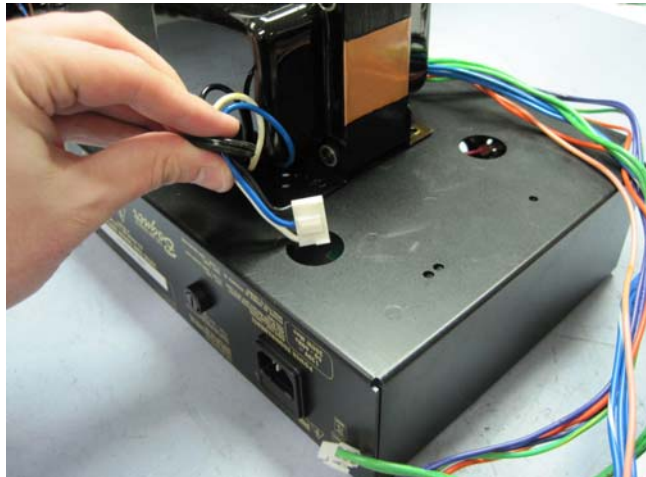
Install FOAM STRIPS to the bottom of the POWER TRANSFORMER as shown.



STEP 2 Continued

Orient the POWER TRANSFORMER as shown on the CHASSIS. Pass the cables from the POWER TRANSFORMER through the holes in the CHASSIS as shown. Install the RUBBER GROMMETS in the holes in the CHASSIS.

Note – the RUBBER GROMMETS should already be installed around the wires on the TRANSFORMER.



STEP 3

P/N required:

4 each **30-00-0269** SCREW 8-32 x 1/2 w/LK WASH

4 each **30-03-1010** WASHER FLAT

Critical Process: Apply threadlocker (Loctite p/n 21463 or equivalent) to the threads of the SCREWS before assembly!!!



Add threadlocker to
screw threads as shown

Secure the POWER TRANSFORMER to the chassis with 4 SCREWS. Torque SCREWS to 10 – 12 inch-pounds. Add Loctite to the base of the screw after assembly.



STEP 4

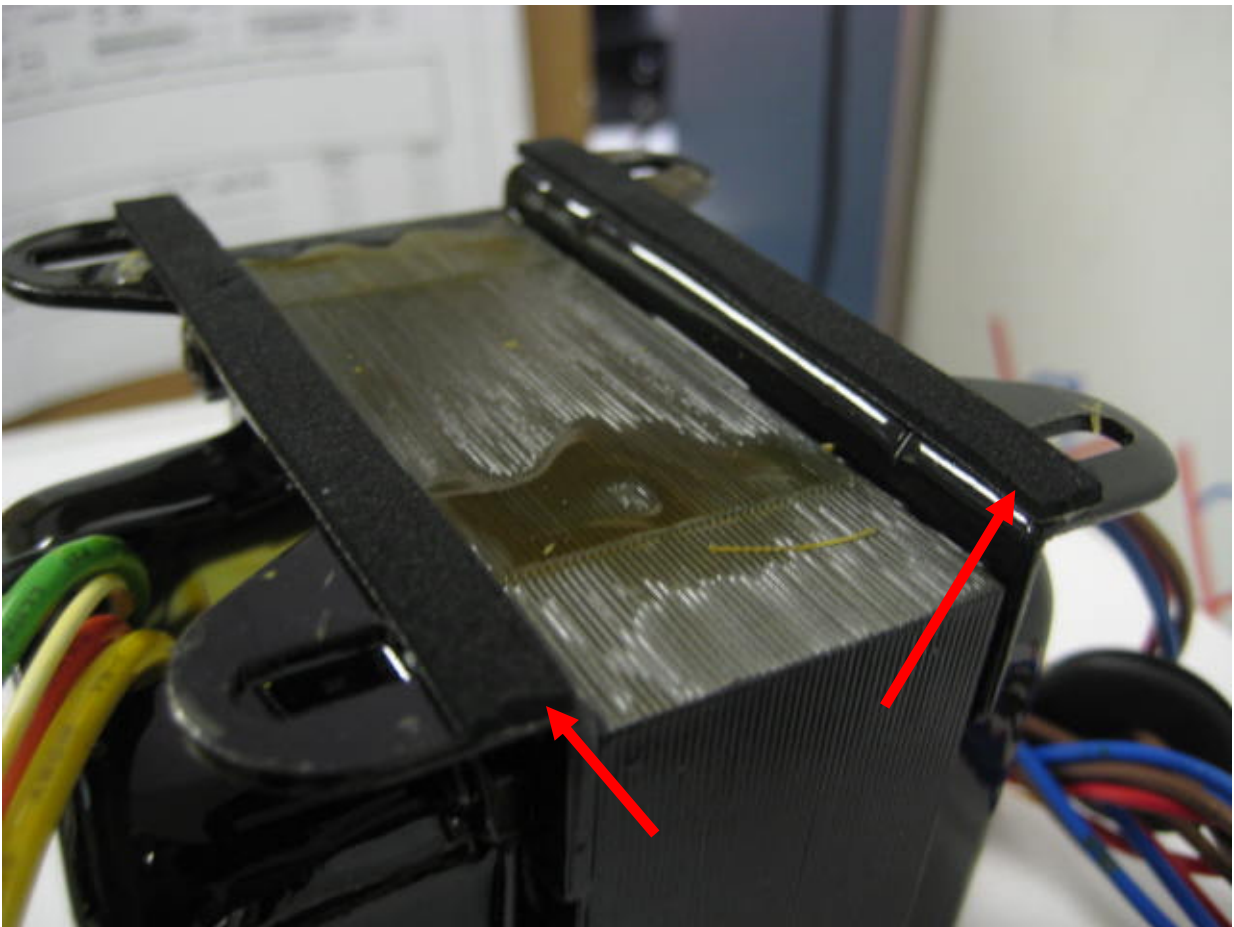
P/N required:

2 each **30-63-0600-6** FOAM STRIP

1 each **11-33-0002** OUTPUT TRANSFORMER w/GROMMETS



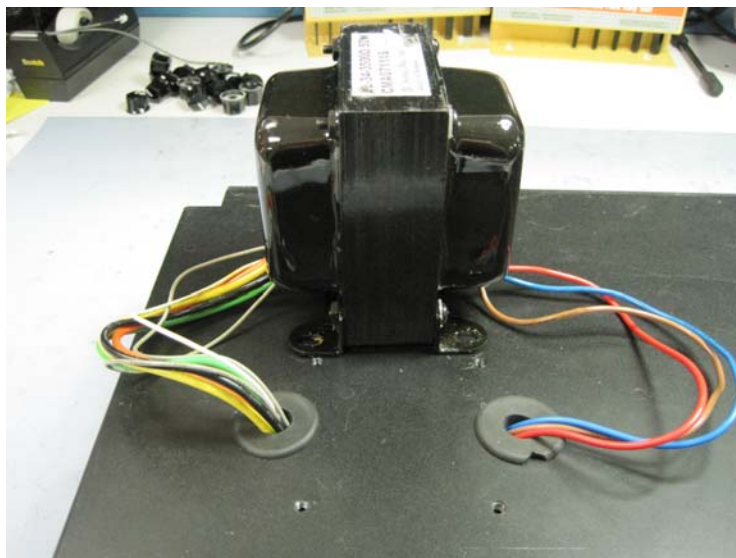
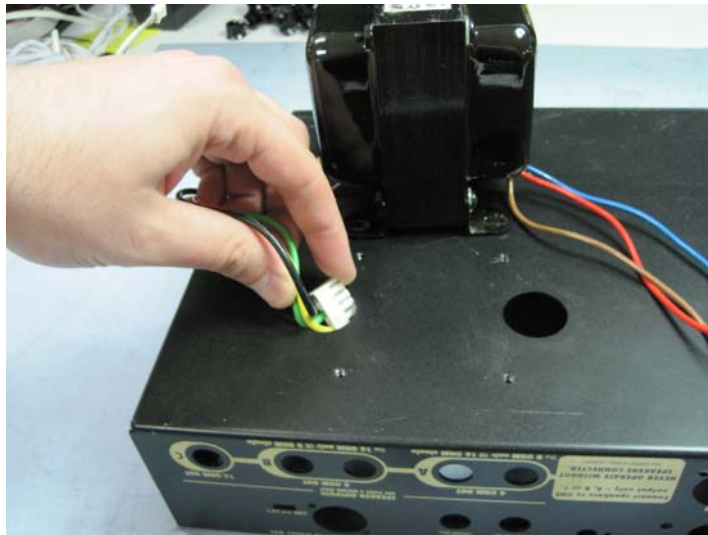
Install FOAM STRIPS to the bottom of the OUTPUT TRANSFORMER as shown.



STEP 4 Continued

Orient the OUTPUT TRANSFORMER as shown on the CHASSIS. Pass the cables from the OUTPUT TRANSFORMER through the holes in the CHASSIS as shown. Install the RUBBER GROMMETS in the holes in the CHASSIS.

Note – the RUBBER GROMMETS should already be installed around the wires on the TRANSFORMER.



STEP 5

P/N required:

4 each **30-00-0125** SCREW 8-32 x 5/16 w/LK WASH BLK

4 each **30-03-1010** WASHER FLAT

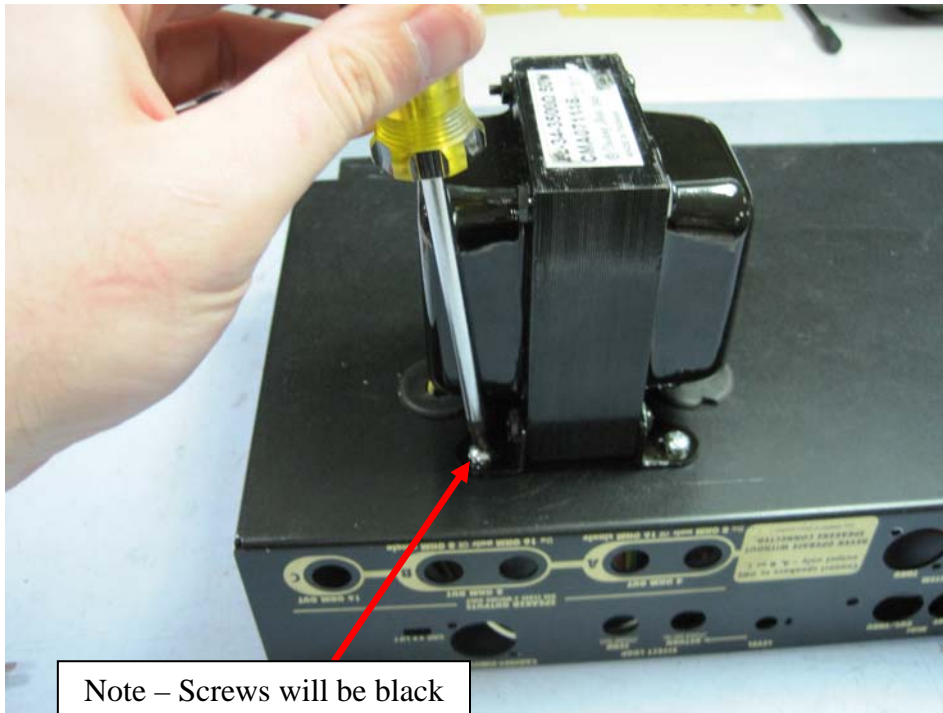
Critical Process: Apply threadlocker (Loctite p/n 21463 or equivalent) to the threads of the SCREWS before assembly!!!



Add threadlocker to screw threads as shown

NOTE – screw will be black

Secure the OUTPUT TRANSFORMER to the chassis with 4 SCREWS. Torque SCREWS to 10 – 12 inch-pounds. Add Loctite to the base of the screw after assembly.



Note – Screws will be black

STEP 6

P/N required:

1 each **50-00-0001** AC RECEPTACLE ASSEMBLY

1 each **30-00-0043** SCREW 6-32 x 5/16" WITH STAR WASHER

Secure the cable from the AC RECEPTACLE ASSEMBLY to the threaded insert shown with a SCREW 6-32 x 5/16" WITH STAR WASHER. Apply loctite and torque SCREW to 8 – 10 inch-pounds. The cable from the AC RECEPTACLE ASSEMBLY shall be installed completely within the CHASSIS.



Secure the cable with
30-00-0043 SCREW

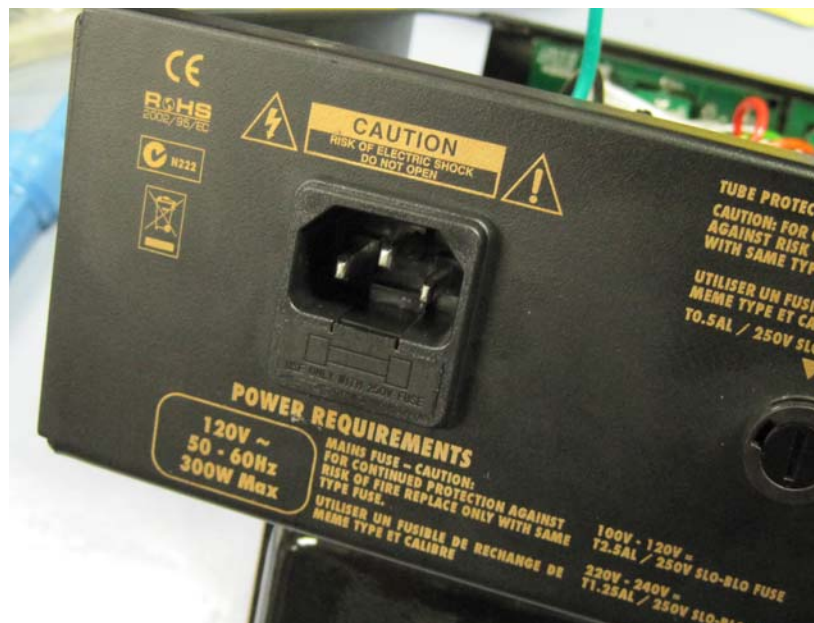
STEP 7

P/N required:
 1 each (see Table 2)

Open and remove fuse holder. Install correct fuse value. Install fuse holder back into AC receptacle.

Table 2

AC Voltage	FUSE part number
100 VAC (JA)	24-19-0050 (5A/250V)
120 VAC (US)	24-19-0050 (5A/250V)
240 VAC (AU, UK, EU)	24-19-3250 (2.5A)



STEP 8

P/N required:

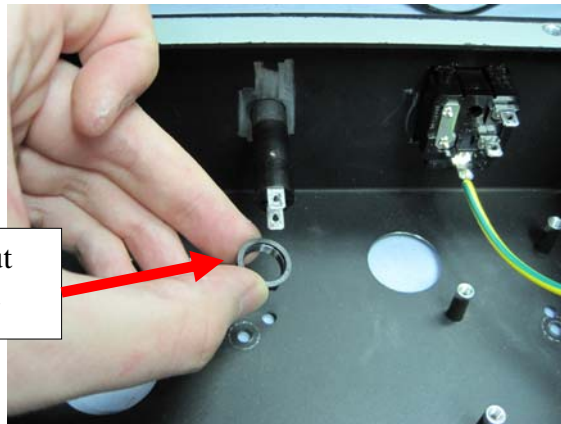
1 each **21-48-0004** FUSEHOLDER

1 each **24-19-0010 (1.0A/250V)**

Insert the FUSEHOLDER into the hole in the CHASSIS as shown. Secure the FUSEHOLDER with the included nut. Torque the nut to 4 – 6 inch-pounds.

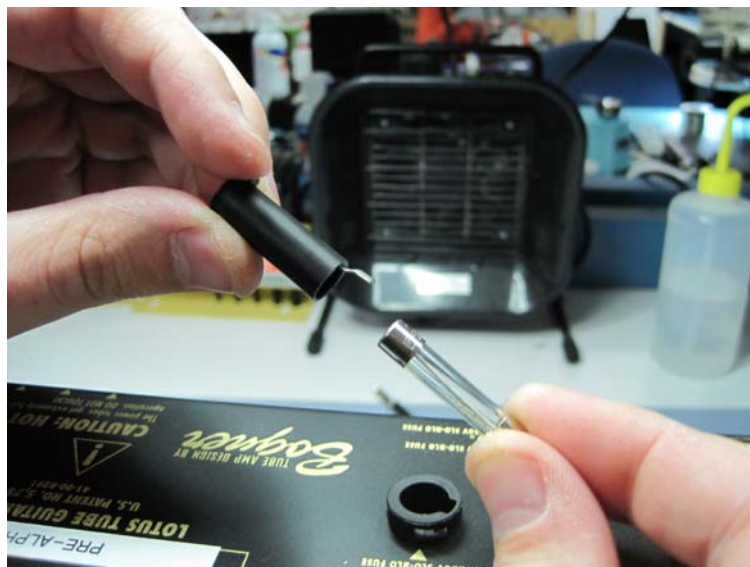


Torque nut
4-6 in-lbs.



STEP 8 (continued)

Use a flathead screwdriver to remove the cap from the FUSEHOLDER by turning it ¼ turn counterclockwise. Install the FUSE 1.0A 250V into the cap and reinstall it into the FUSEHOLDER.



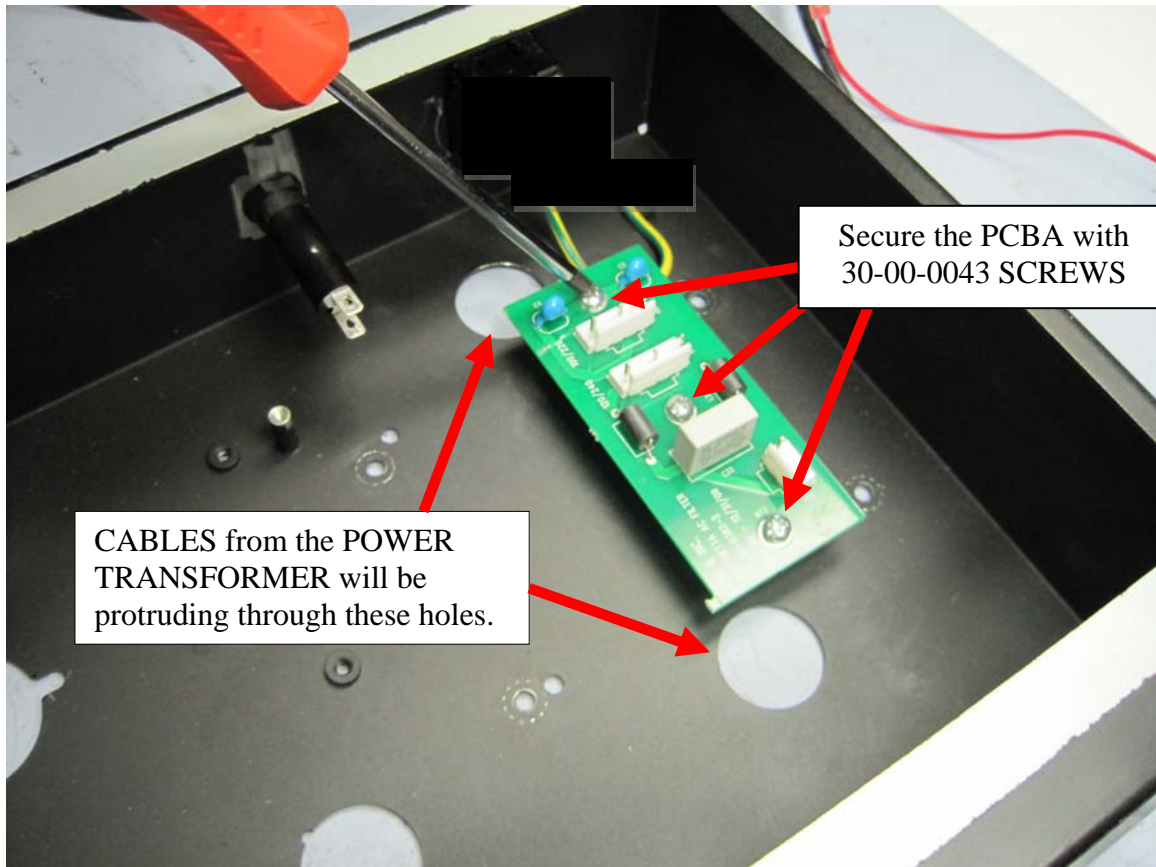
STEP 9

P/N required:

1 each **35-00-0382-2** AC FILTER PCBA

3 each **30-00-0043** SCREW 6-32 x 5/16" WITH STAR WASHER

Secure the PCBA to the CHASSIS in the location shown with three SCREWS 6-32 x 5/16" WITH STAR WASHERS. Torque SCREWS to 8 – 10 inch-pounds and apply loctite. Note that the CABLES from the POWER TRANSFORMER will be protruding through the two surrounding holes in the CHASSIS.



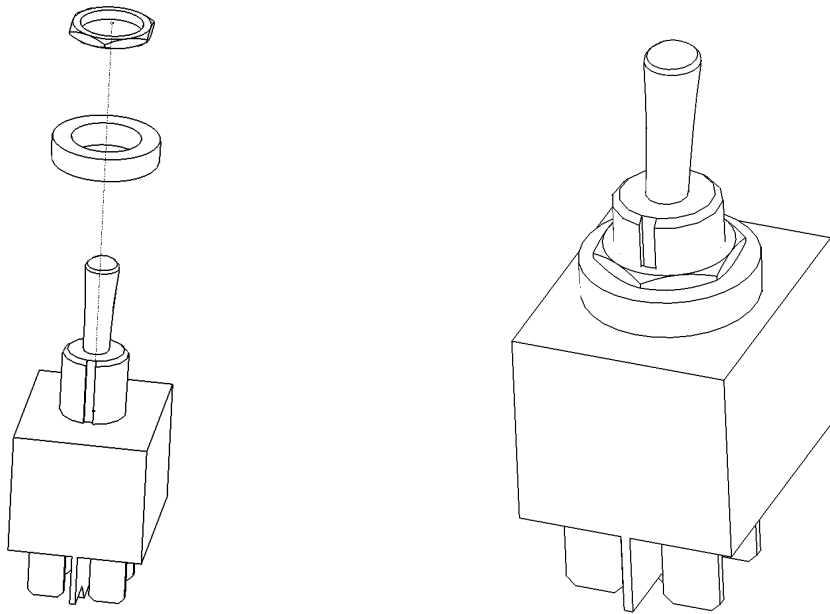
STEP 10

P/N required:

1 each **24-03-0008** TOGGLE SWITCH (POWER)

1 each **30-15-0042** SPACER

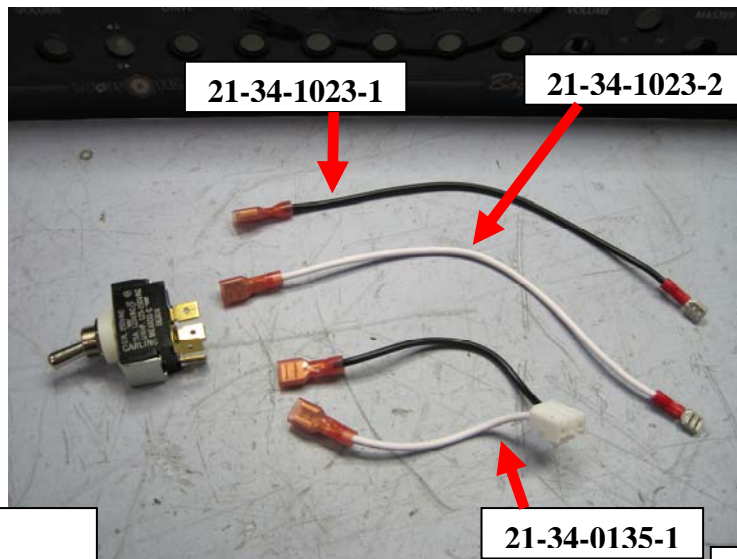
Remove the hex nuts from the TOGGLE SWITCH. Slide one SPACER onto the threaded barrel of TOGGLE SWITCH. Finger-tighten one hex nut onto the threaded barrel of the TOGGLE SWITCH to secure the SPACER.



STEP 10 (continued)

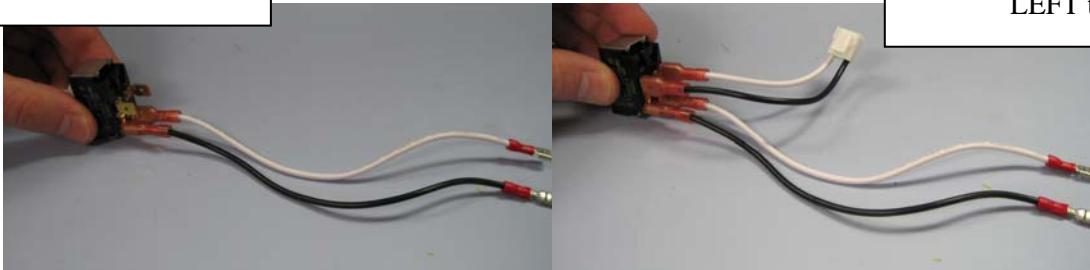
P/N Required:

- 1 each TOGGLE SWITCH with SPACER secured
- 1 each **21-34-0135-1** CBL ASSY WHITE/BLK
- 1 each **21-34-1023-1** CBL FSTN 8" BLK
- 1 each **21-34-1023-2** CBL FSTN 8" WHT



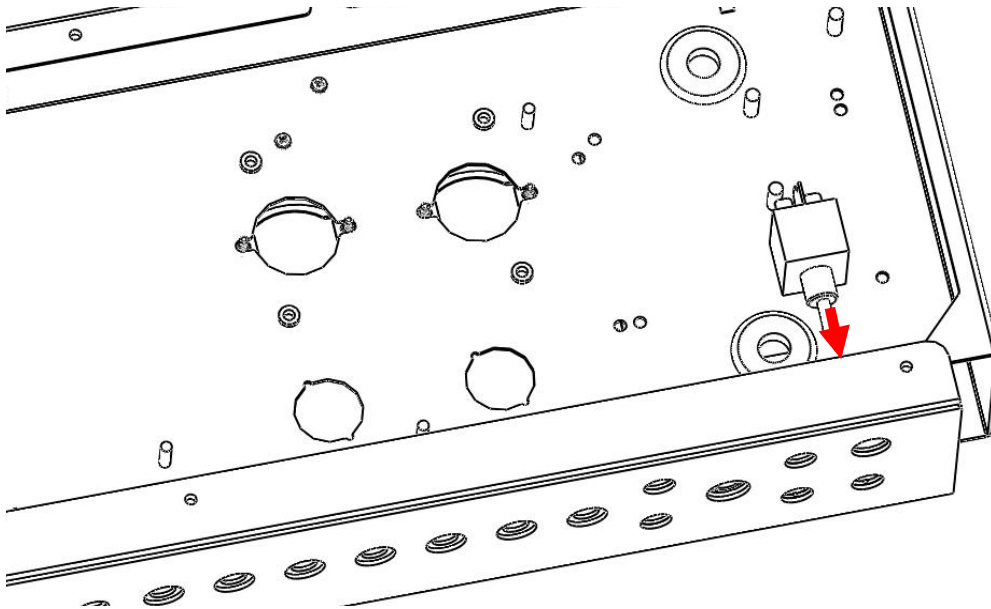
Connect:
White wire **21-34-1023-2**
to bottom RIGHT terminal.
Black wire **21-34-1023-1**
to bottom LEFT terminal.

Connect:
Cable Assembly **21-34-0135**
White wire to center RIGHT
terminal. Black wire to center
LEFT terminal.



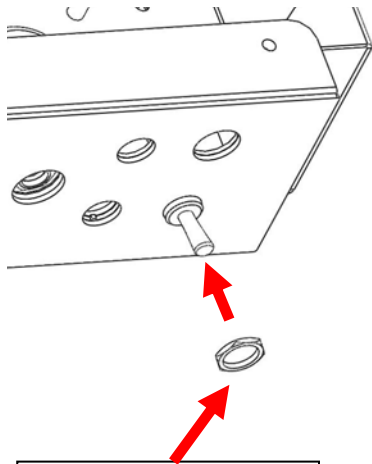
STEP 10 (continued)

Insert the TOGGLE SWITCH into the bottom CHASSIS hole as shown. Be sure to align the notch in the CHASSIS hole with the keyway in the TOGGLE SWITCH. Secure the TOGGLE SWITCH to the chassis using the hex nut.

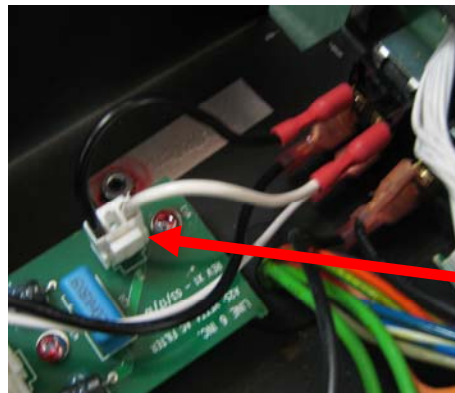


STEP 10 (continued)

1 each **30-06-0032** ROUND NUT

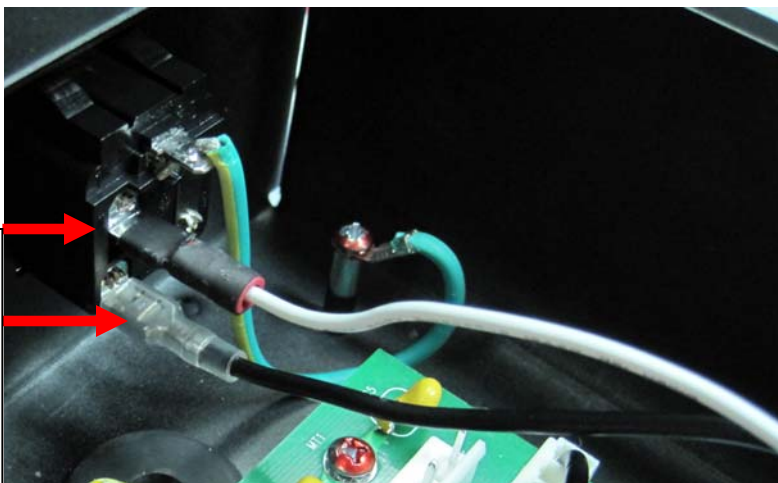


Torque the **30-06-0032** nut to 6 inch-pounds.



Connect Header from Cable Assembly **21-34-0135-1** to **H16** on AC Filter PCBA

Connect the White wire **21-34-1023-2** from Power toggle switch to the Top terminal of AC RECEPTACLE ASSEMBLY. Connect the Black wire **21-34-1023-1** to the Bottom terminal.



STEP 11

P/N required:

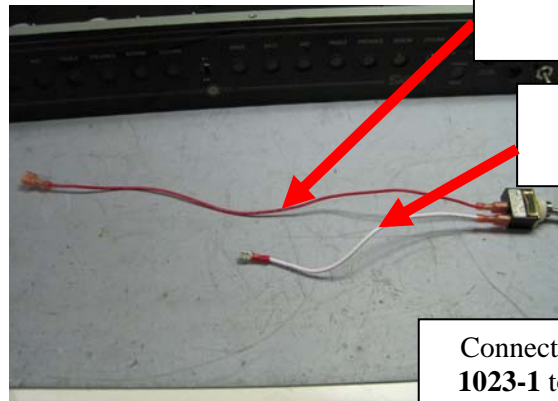
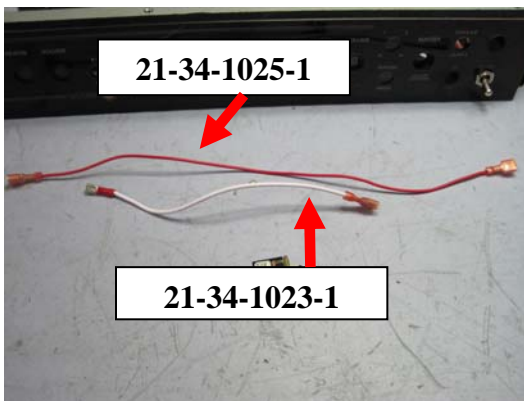
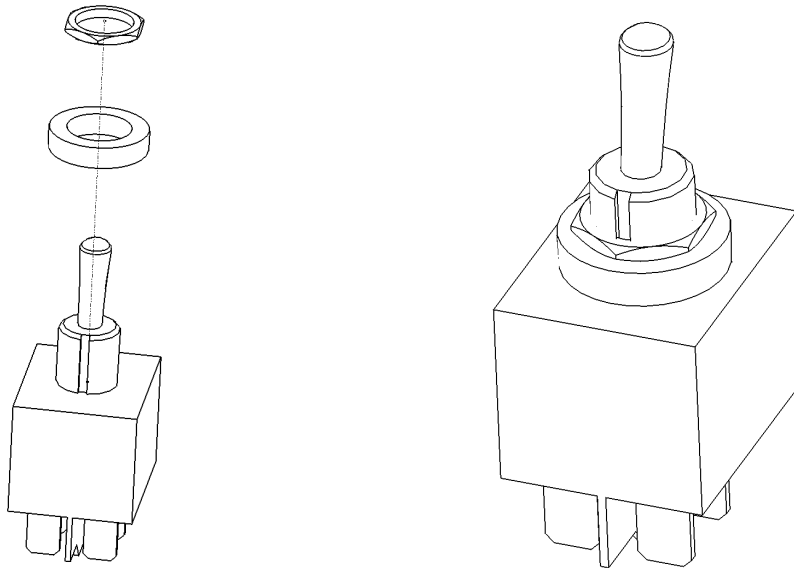
1 each **24-03-0013** TOGGLE SWITCH (STANDBY)

1 each **30-15-0042** SPACER

1 each **21-34-1023-1** CBL FSTN 8" BLK

1 each **21-34-1025-1** CBL FSTN 12" BLK

Remove the hex nuts from the TOGGLE SWITCH. Slide one SPACER onto the threaded barrel of TOGGLE SWITCH. Finger-tighten one hex nut onto the threaded barrel of the TOGGLE SWITCH to secure the SPACER.



Note – Wire will be
BLACK

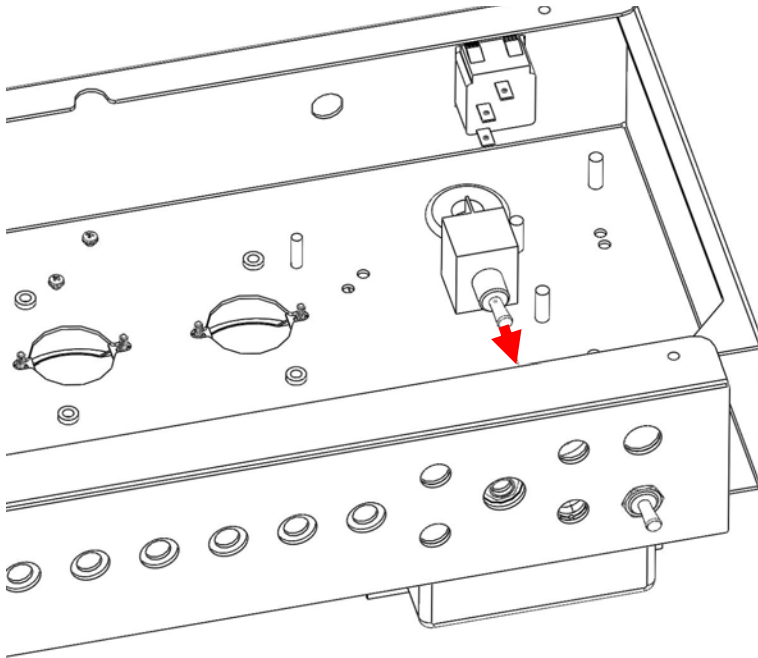
Note – Wire will be
BLACK

Connect CABLE **21-34-1023-1** to lower terminal
(terminal closest to edge).

Connect CABLE **21-34-1025-1** to center terminal.

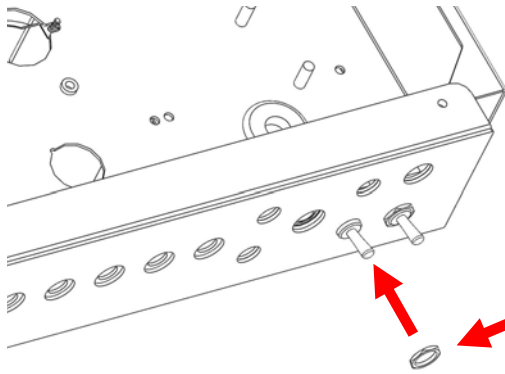
STEP 11 (continued)

Insert the TOGGLE SWITCH into the top CHASSIS hole as shown. Be sure to align the notch in the CHASSIS hole with the keyway in the TOGGLE SWITCH. Secure the TOGGLE SWITCH to the chassis using the hex nut.

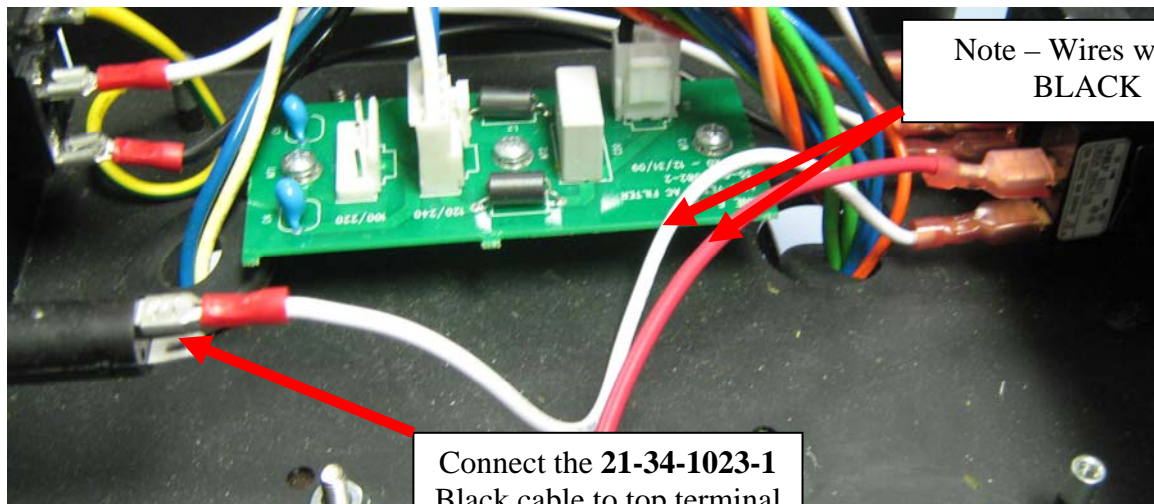


STEP 11 (continued)

1 each **30-06-0032** ROUND NUT



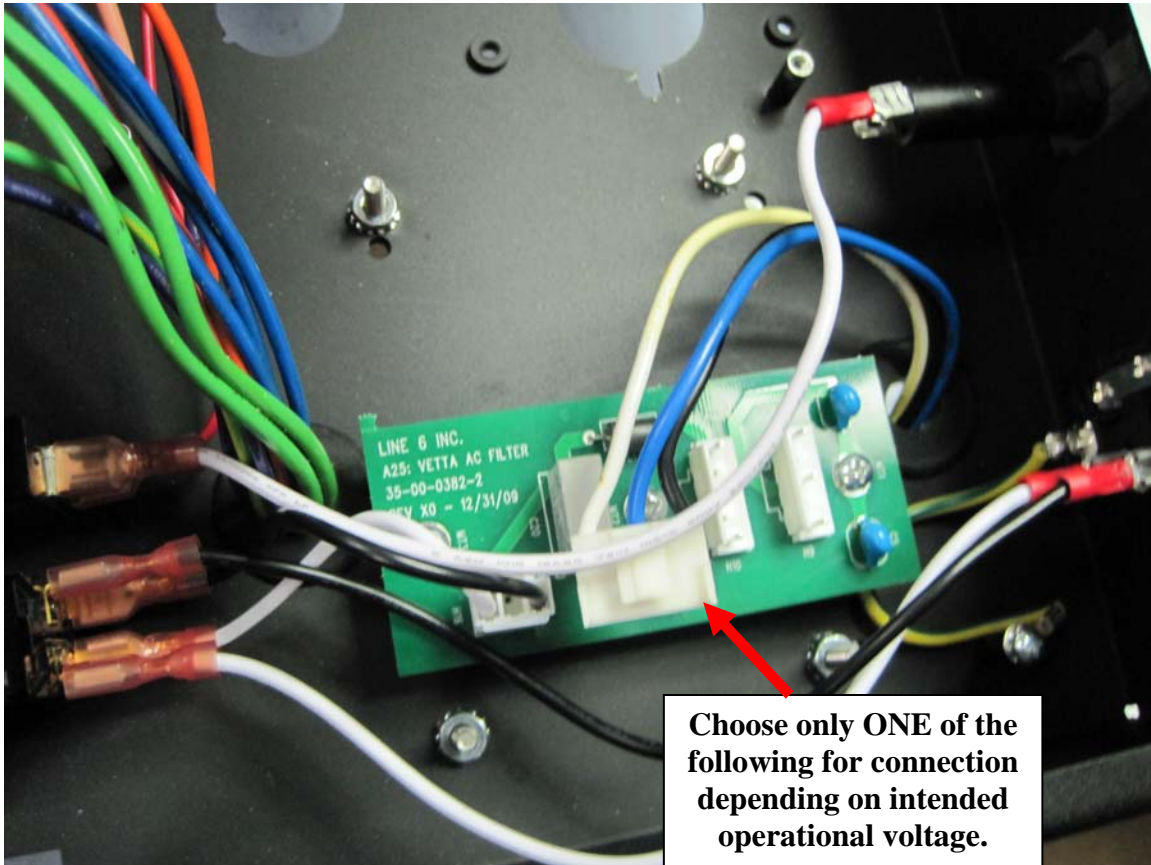
Torque the **30-06-0032** nut to 6 inch-pounds.



Note – Wires will be
BLACK

Connect the **21-34-1023-1**
Black cable to top terminal
on FUSE HOLDER.

STEP 11 (continued)



Choose only ONE of the following for connection depending on intended operational voltage.

--

! FOR 120v/240v OPERATION ONLY !

Connect the Power Transformer Connector with the blue/white/black wires to Header **H10** on AC FILTER PCBA

--OR--

! FOR 100v/220v OPERATION ONLY !

Connect the Power Transformer Connector with the blue/white/black wires to Header **H9** on AC FILTER PCBA

STEP 12

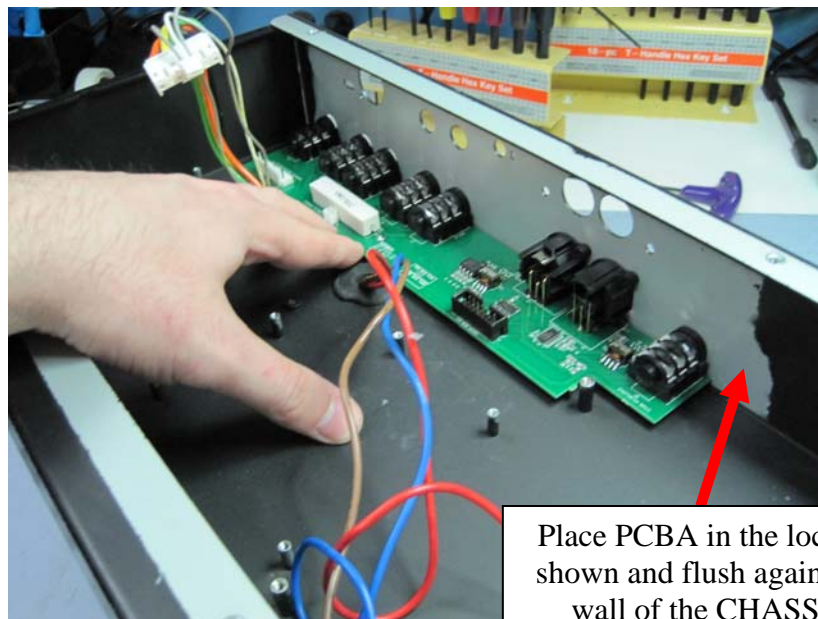
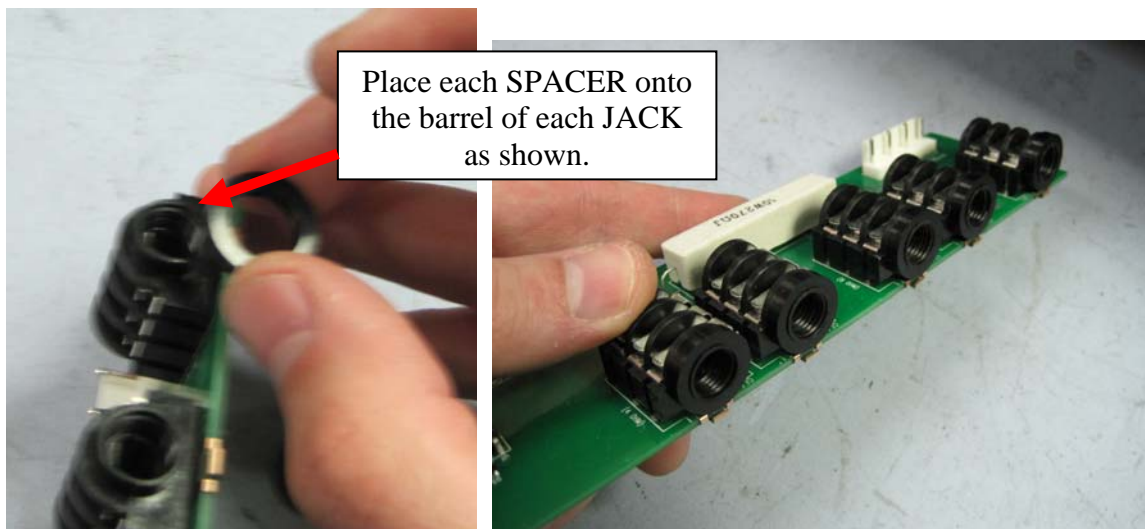
P/N required:

6 each **30-15-0004** SPACER

1 each **50-02-0383** PCBA VETTA SYSTEM SPEAKER/VETTA/FOOTSWITCH

4 each **30-00-0042** SCREW SHEET METAL 4 x 0.375 IN SELF-TAP PPB

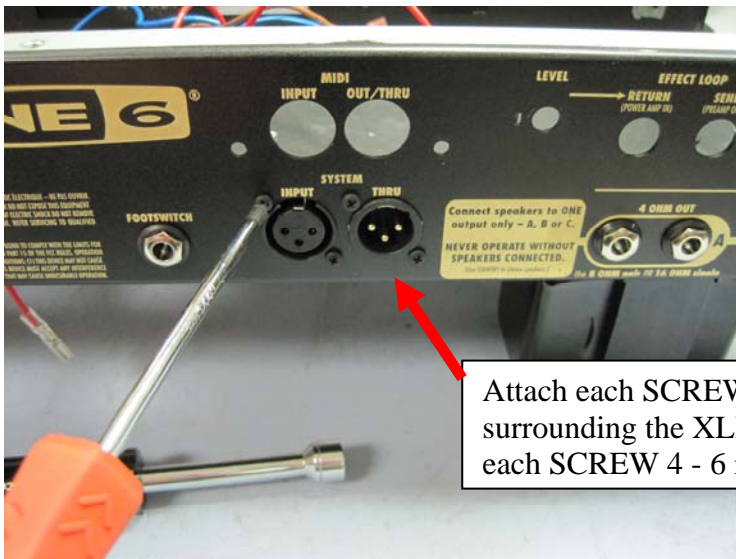
Remove the hex nuts and washers from each JACK. Slide one SPACER onto the barrel of each JACK. Place the PCBA in the position shown flush with the CHASSIS. Attach the hex nuts and washers as well as the SCREWS in order to secure the PCBA.



STEP 12 (continued)



Thread each HEX NUT and WASHER into each of the 6 JACKS. Torque each hex nut to 6 inch-pounds.



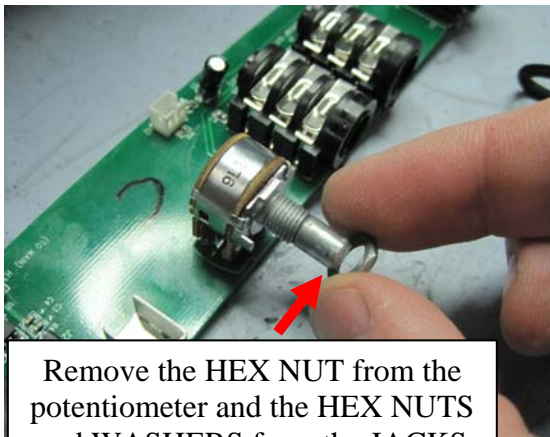
Attach each SCREW to the 4 locations surrounding the XLR JACKS. Torque each SCREW 4 - 6 inch-pounds.

STEP 13

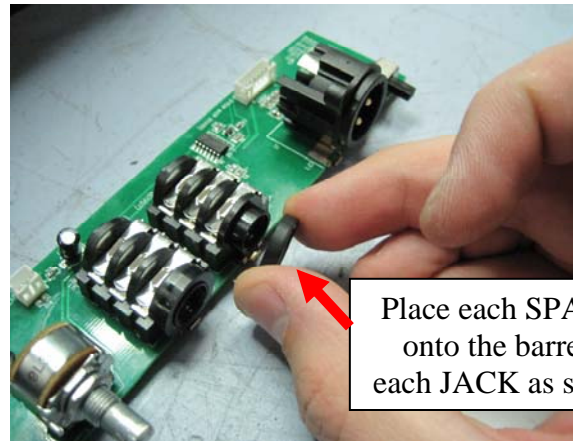
P/N required:

- 1 each **50-02-0381** PCBA VETTA SYSTEM FX/DIRECT/MIDI
- 2 each **30-00-0042** SCREW SHEET METAL 4 x 0.375 IN SELF-TAP PPB
- 2 each **30-00-0375** SCREW 6-32 x .375 PPB
- 2 each **30-15-0004** SPACER
- 1 each **30-06-0017** NUT HEX

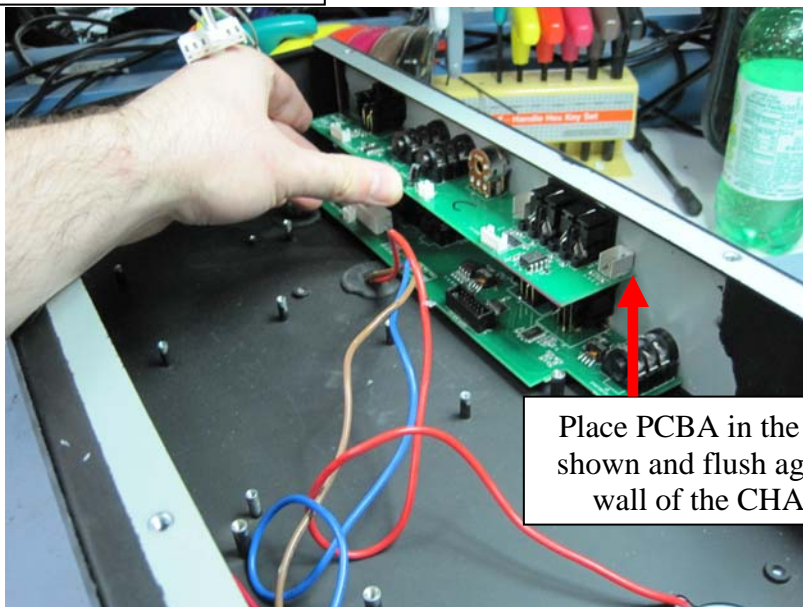
Remove the hex nuts and washers from each JACK. Also remove the hex nut from the potentiometer. Slide one SPACER onto the barrel of each JACK. Place the PCBA in the position shown flush with the CHASSIS. Attach the hex nuts and washers as well as the SCREWS in order to secure the PCBA.



Remove the HEX NUT from the potentiometer and the HEX NUTS and WASHERS from the JACKS



Place each SPACER onto the barrel of each JACK as shown.



Place PCBA in the location shown and flush against the wall of the CHASSIS.



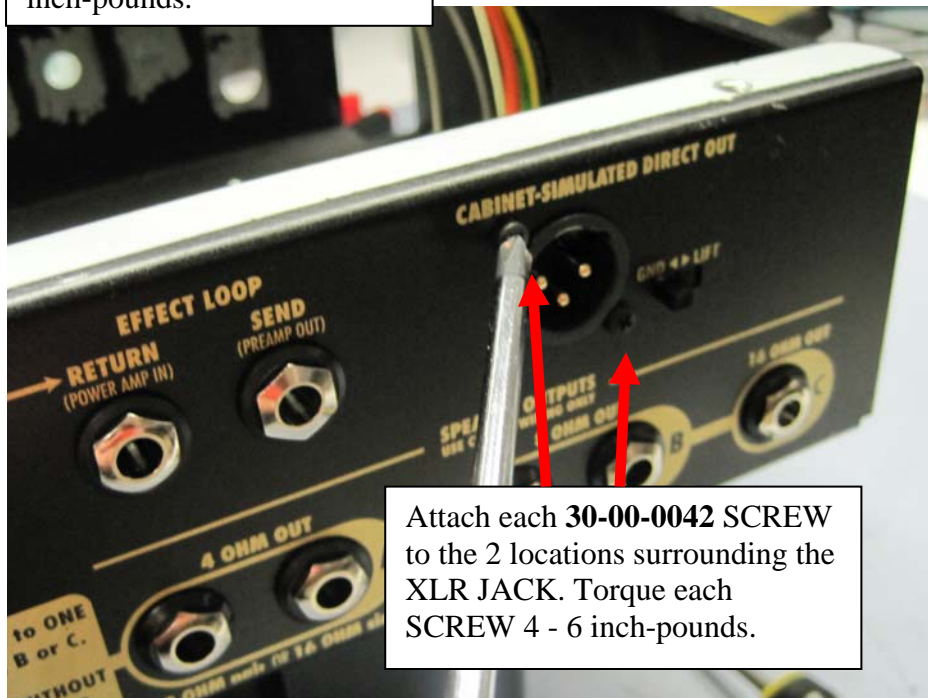
STEP 13 (continued)



Attach each HEX NUT and WASHER to both of the JACKS. Reattach the HEX NUT to the potentiometer. Torque each hex nut to 6 inch-pounds.



Attach each 30-00-0375 SCREW to the 2 locations shown near the MIDI



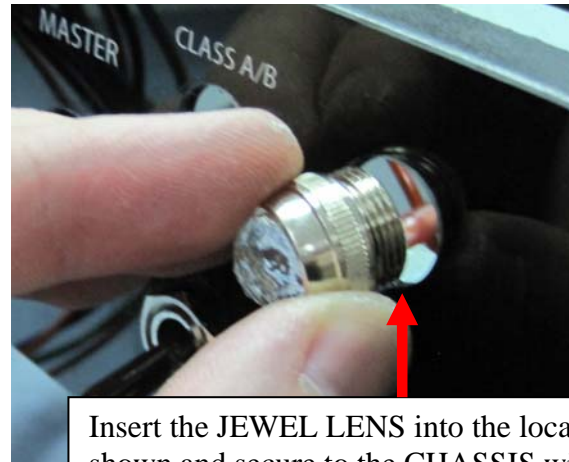
Attach each 30-00-0042 SCREW to the 2 locations surrounding the XLR JACK. Torque each SCREW 4 - 6 inch-pounds.

STEP 14

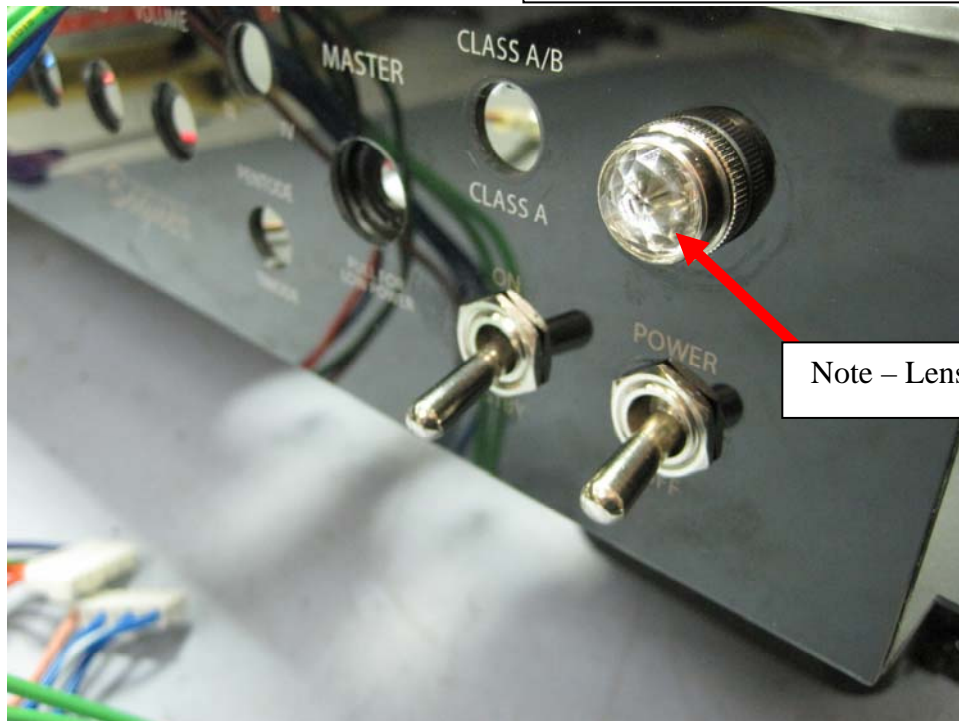
1 each 30-51-0526 LENS JEWEL w/NUT RED



Remove the HEX NUT from the JEWEL LENS



Insert the JEWEL LENS into the location shown and secure to the CHASSIS with the HEX NUT. Apply loctite and torque the hex nut to 6 inch-pounds.

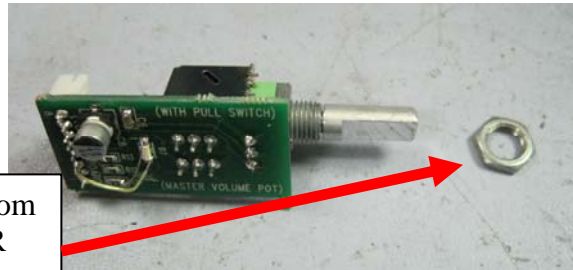


Note – Lens will be RED

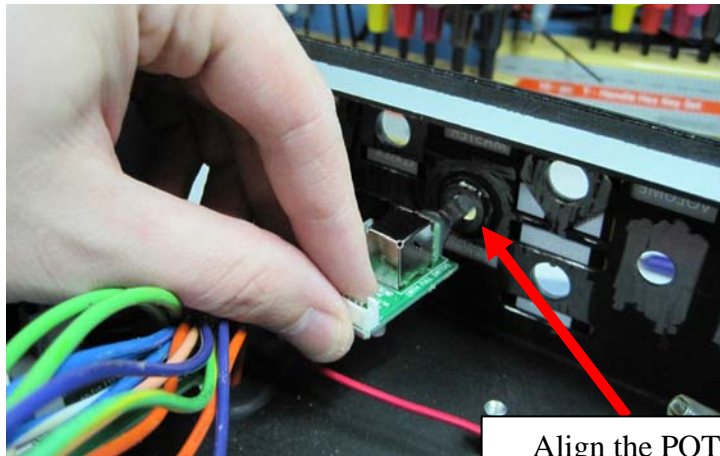
STEP 15

P/N required:

1 each **50-02-0385-2** BREAKAWAY BOARD FROM **50-02-0385** PCBA



Remove the HEX NUT from the POTENTIOMETER



Align the POTENTIOMETER with the hole as shown and secure with the HEX NUT. Torque the hex nut to 6 inch-pounds.



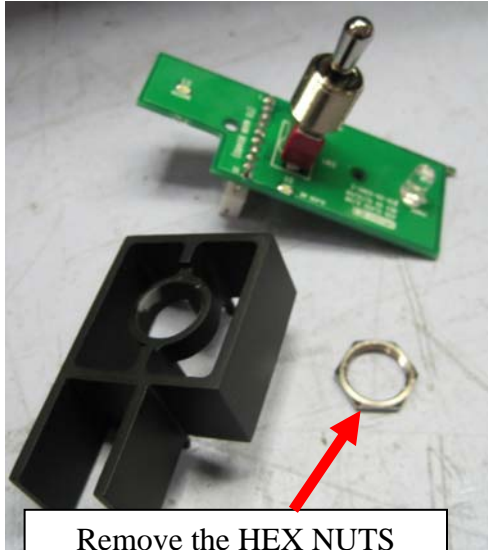
STEP 16

P/N required:

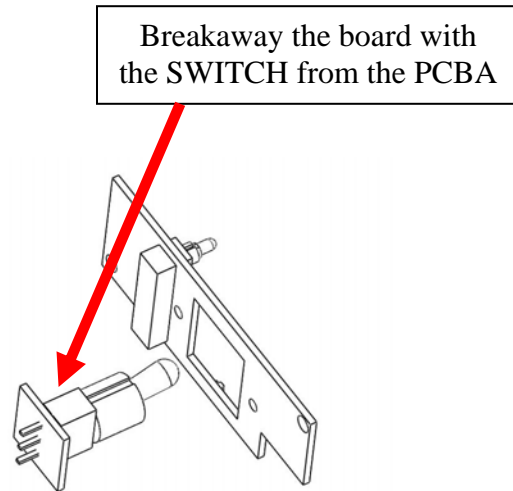
1 each **50-02-0385-3** Class A/B

1 each **30-27-0509** LIGHT GUIDE 3

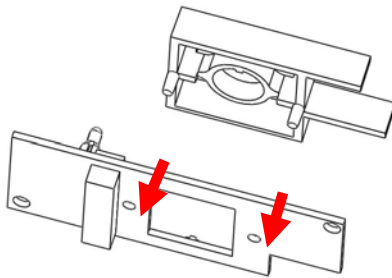
1 each **30-06-0032** ROUND NUT



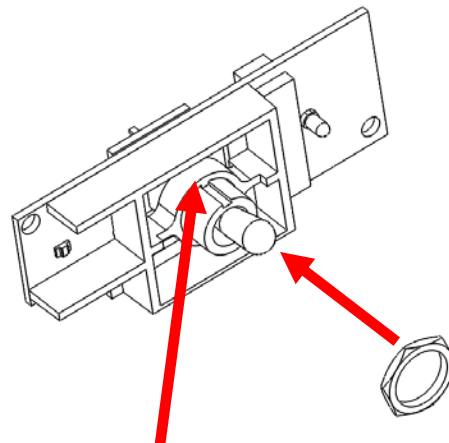
Remove the HEX NUTS
from the SWITCH



Breakaway the board with
the SWITCH from the PCBA

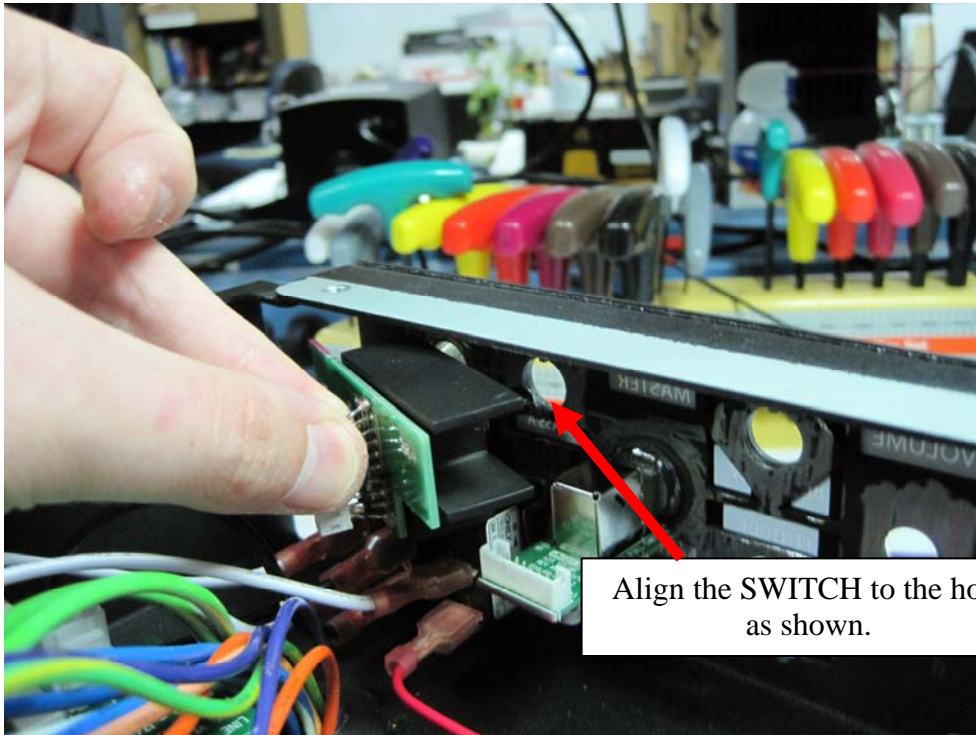


Heatstake the LIGHT GUIDE
to the PCBA as shown



Align the key feature of the SWITCH
and LIGHT GUIDE and secure the
SWITCH in place with a HEX NUT.
Torque the hex nut to 6 inch-pounds.

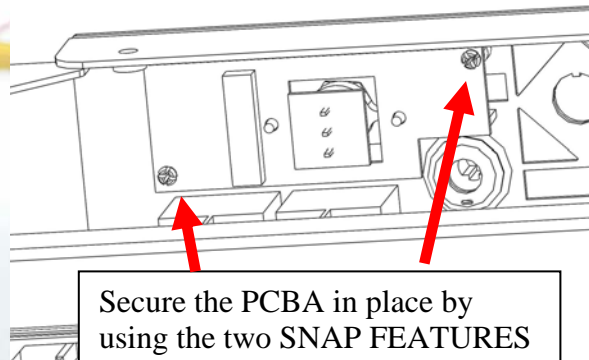
STEP 16 (continued)



Align the SWITCH to the hole as shown.



Torque the **30-06-0032** round nut to 6 inch-pounds.



Secure the PCBA in place by using the two **SNAP FEATURES** located on the **CHASSIS**.

STEP 17

P/N required:

2 each **30-15-0041** SPACER

1 each **50-02-0385-1** Guitar In PCBA

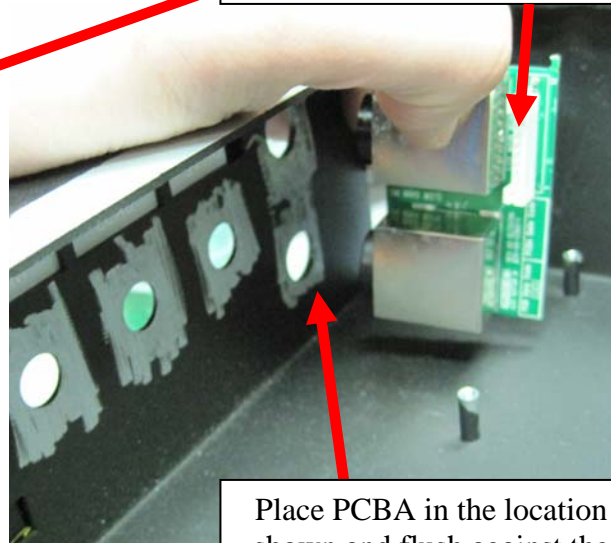
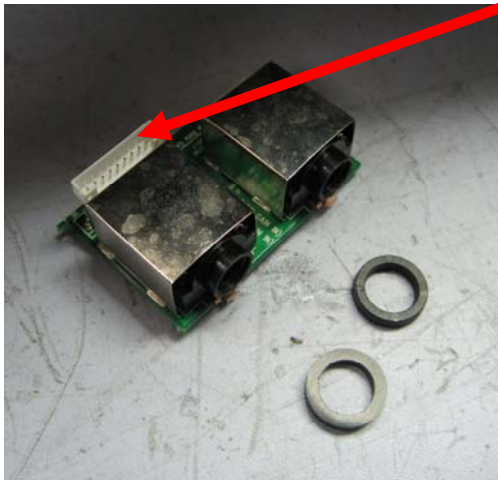
2 each **FINISHING WASHER** (included with 1/4" jack)

2 each **PLASTIC CHROME NUT** (included with 1/4" jack)

Install the SPACER and FINISHING WASHER over the threaded shaft of the chrome nut. SPACER and FINISHING WASHER shall be oriented as shown below.

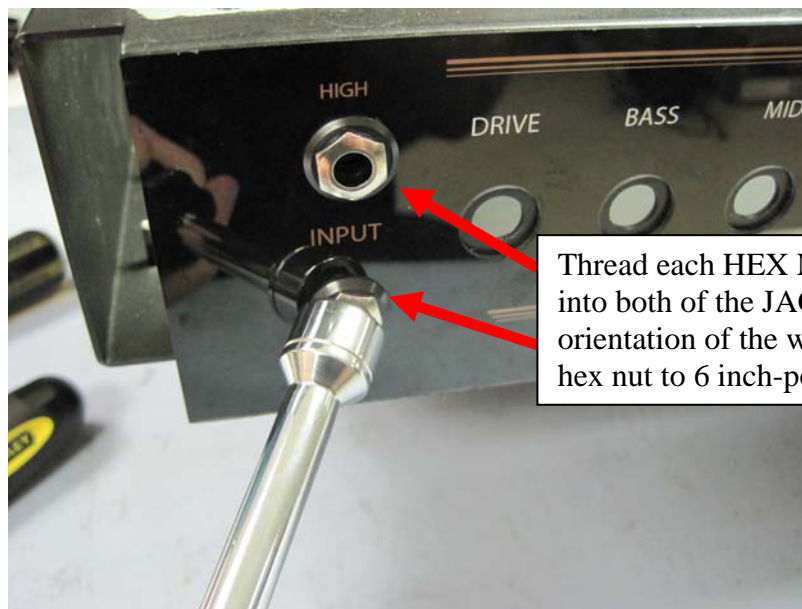
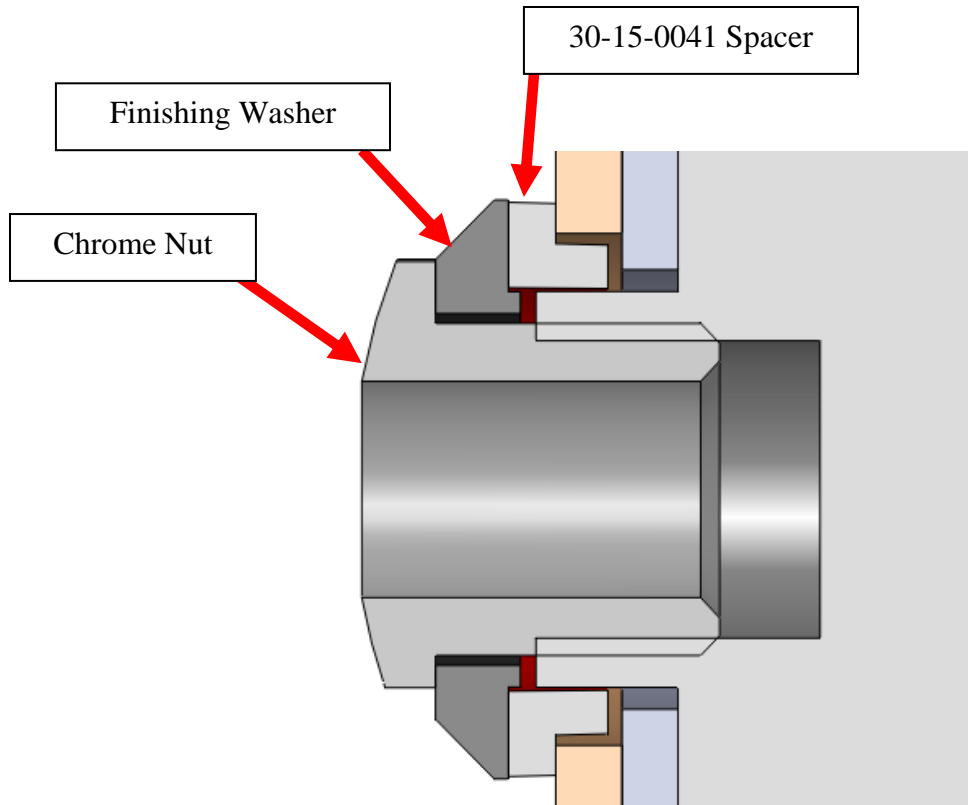


Note – This header will be on the other side of board.



Place PCBA in the location shown and flush against the wall of the CHASSIS.

STEP 17 CONT'D



Thread each HEX NUT and WASHER into both of the JACKS. Note the orientation of the washer. Torque each hex nut to 6 inch-pounds.

STEP 18

P/N required:

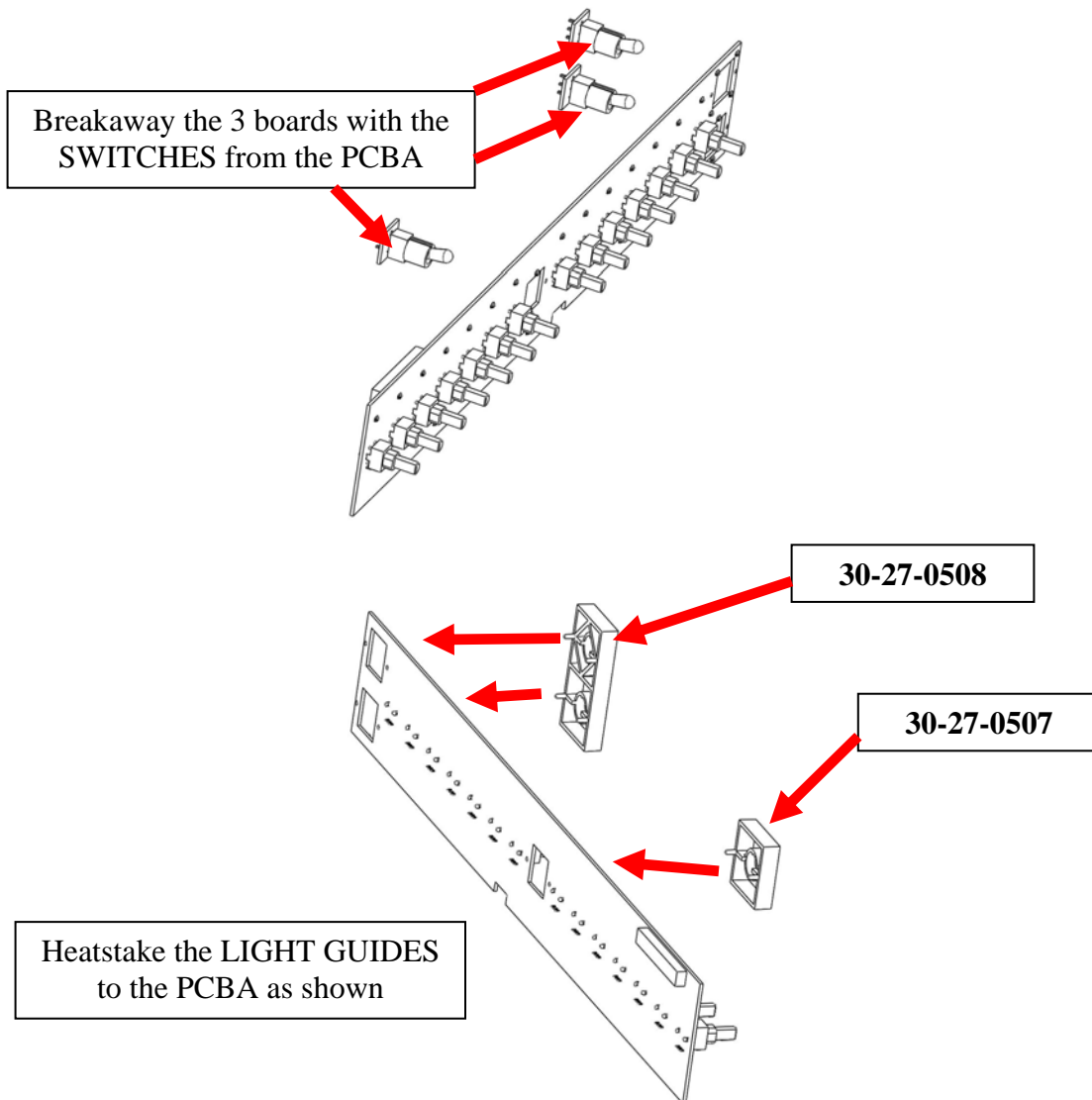
1 each **30-27-0507** LIGHT GUIDE 1

1 each **30-27-0508** LIGHT GUIDE 2

1 each **50-02-0384** PCBA VETTA SYSTEM UI LEFT PCBA

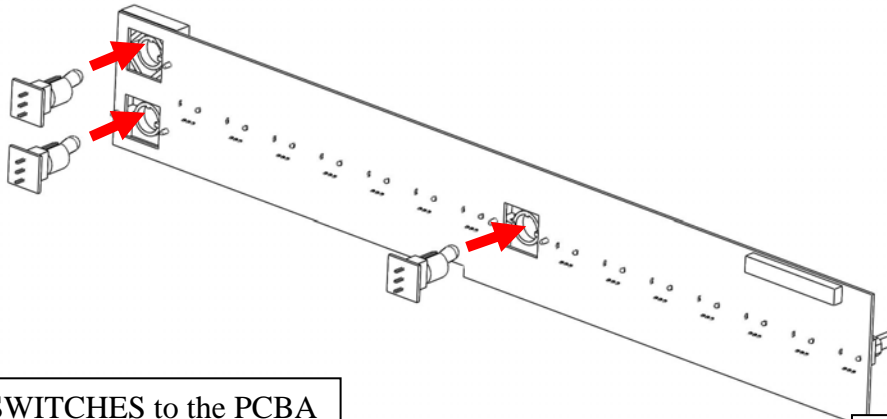
3 each **30-06-0032** ROUND NUT

Remove the HEX NUTS from the SWITCHES and the HEX NUTS and WASHERS from the POTENTIOMETERS. Break away the boards for the three SWITCHES. Heat Stake the LIGHT GUIDES in the positions shown.

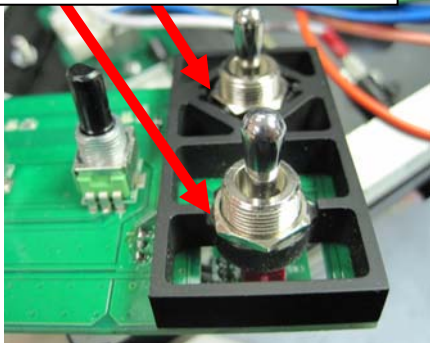


STEP 18 (continued)

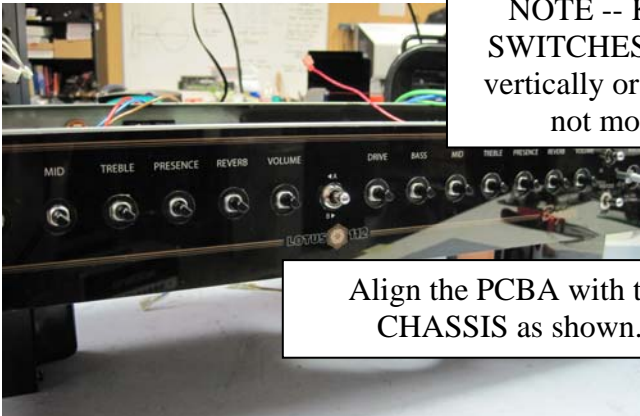
Align the SWITCHES to their proper locations and secure them with one of the HEX NUTS provided. Align the PCBA to the CHASSIS as shown and secure with the three 30-06-0032 NUTS.



Secure the SWITCHES to the PCBA with HEX NUTS (also secure the SWITCH in the middle not shown).



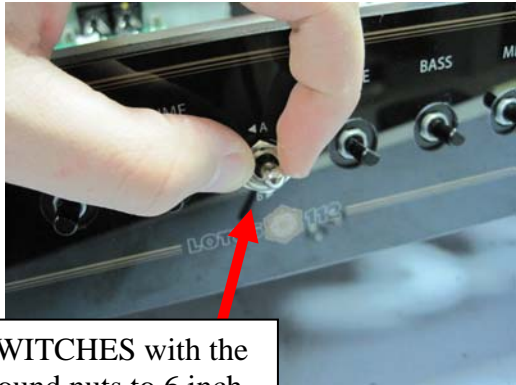
NOTE -- KEYHOLES on SWITCHES must be pointed vertically or SWITCHES will not mount properly



Align the PCBA with the CHASSIS as shown.



Secure the SWITCHES with the 30-06-0032 round nuts to 6 inch-pounds.





STEP 18 (continued)

Reattach the WASHERS and HEX NUTS to the POTENTIOMETERS.



WASHERS shall be secured within the cutout on the OVERLAY as shown.

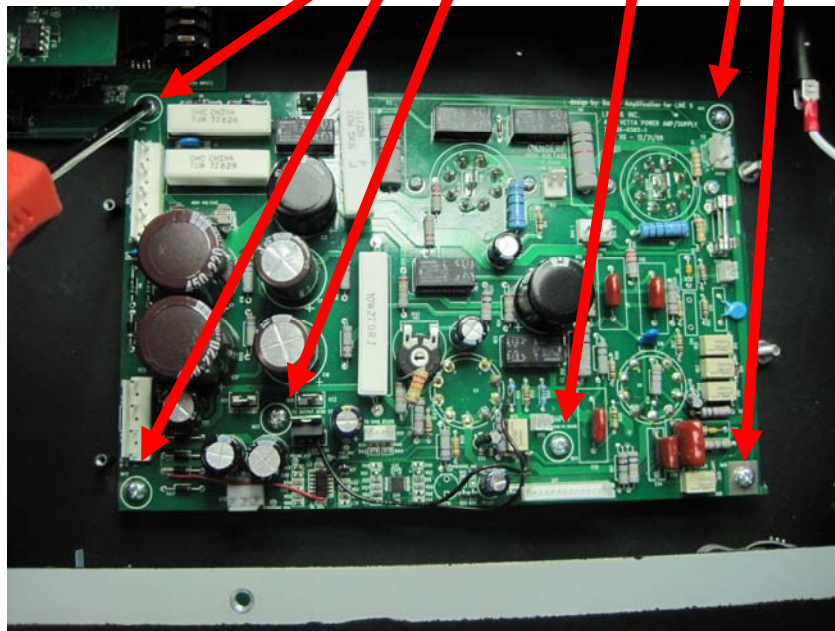


STEP 19

- 1 each **50-02-0382-1** PCBA VETTA SYSTEM POWER PCBA
- 6 each **30-00-0043** SCREW 6-32 X 5/16 WITH LOCK WASHER



Align the screw holes in the PCBA with the holes in the CHASSIS in the location shown. Secure the PCBA using six **30-00-0043** SCREWS. Apply loctite and torque the SCREWS 8-10 in-pounds.

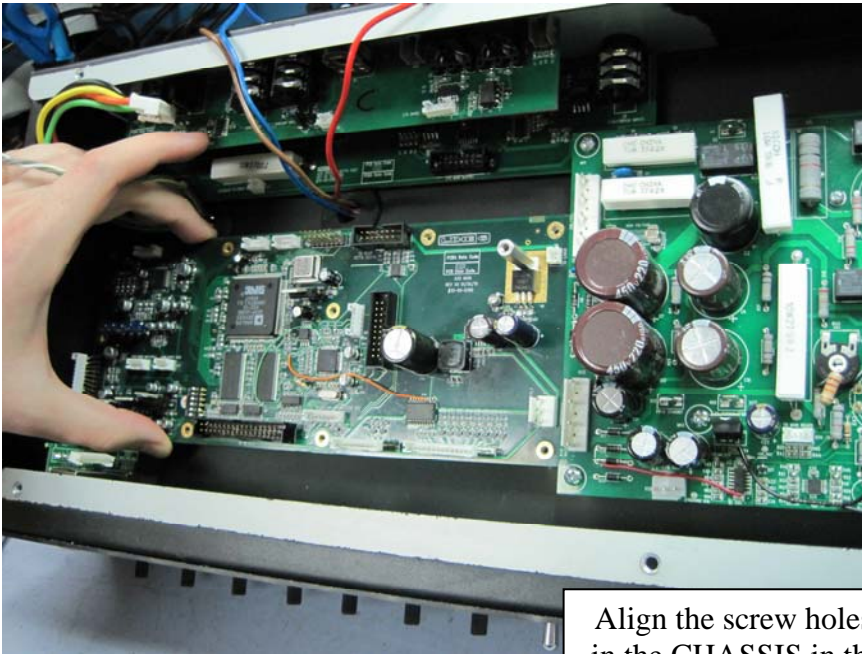


STEP 20A

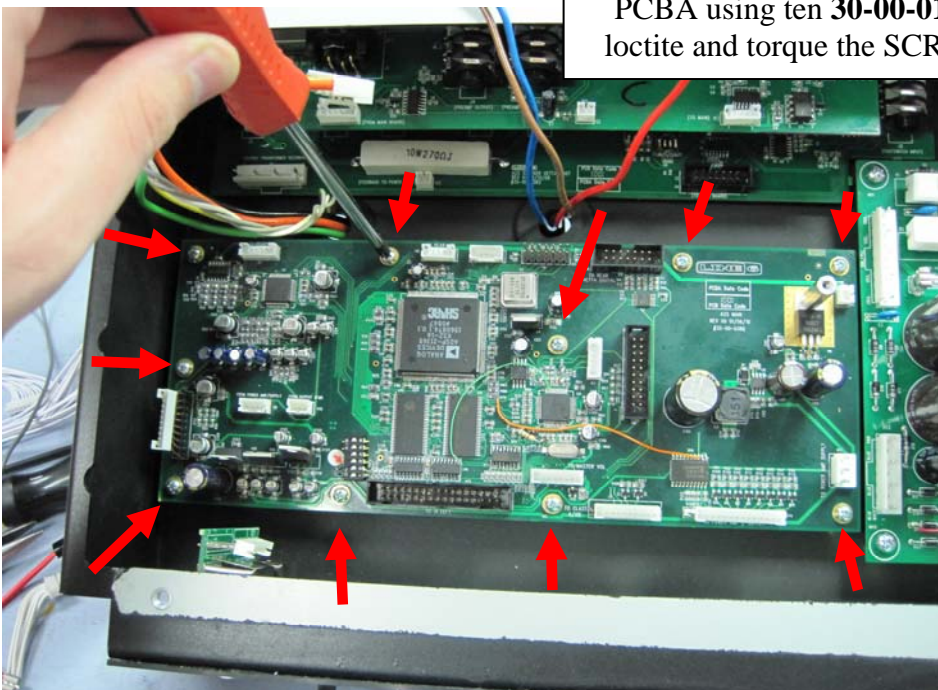
P/N required:

1 each **50-02-0380** PCBA VETTA SYSTEM MAIN PCBA

10 each **30-00-0150** SCREW 4-40 x .3125 w/LK WASH



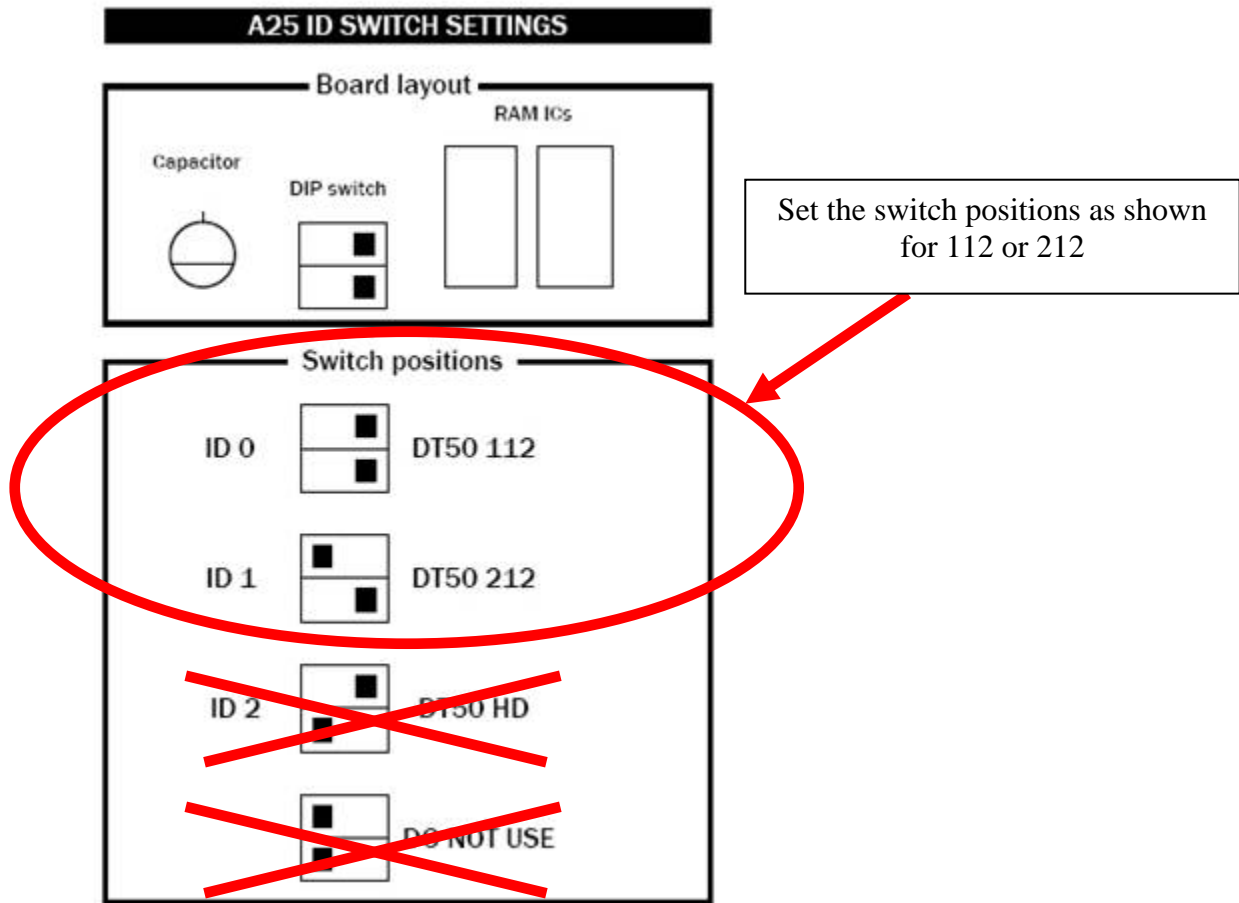
Align the screw holes in the PCBA with the holes in the CHASSIS in the location shown. Secure the PCBA using ten **30-00-0150** SCREWS. Apply loctite and torque the SCREWS 8-10 in-pounds.



STEP 20B

Locate SW1 on the **50-02-0380** PCBA VETTA SYSTEM MAIN PCBA.

Set the switch position for the appropriate model (112 or 212).



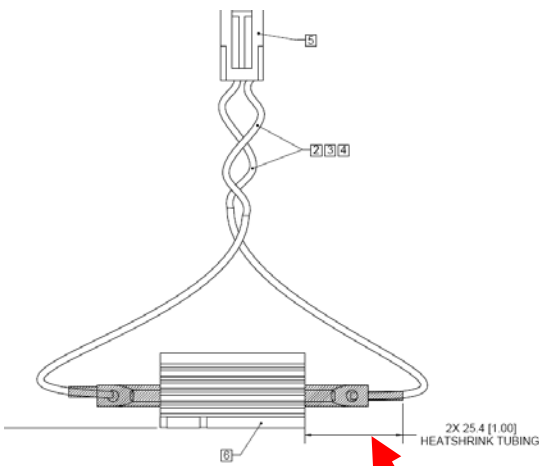
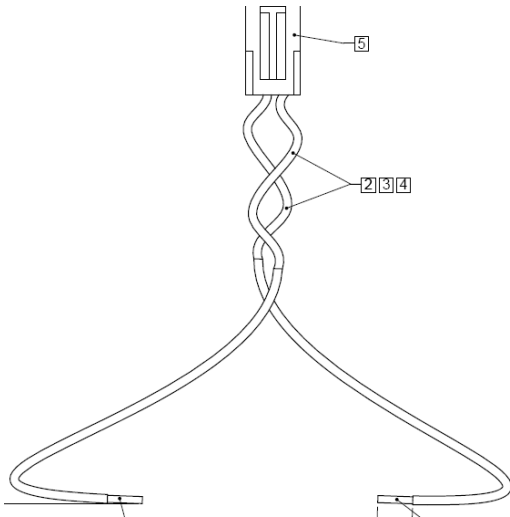
STEP 21A

P/N required:

1 each **21-34-0156** CBL ASSY

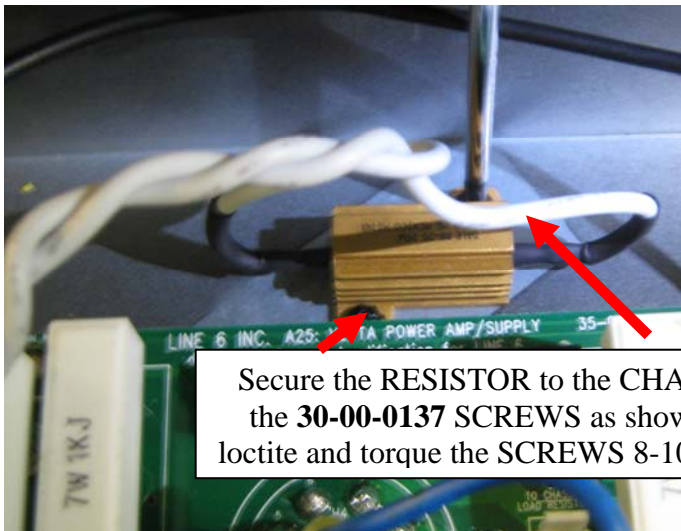
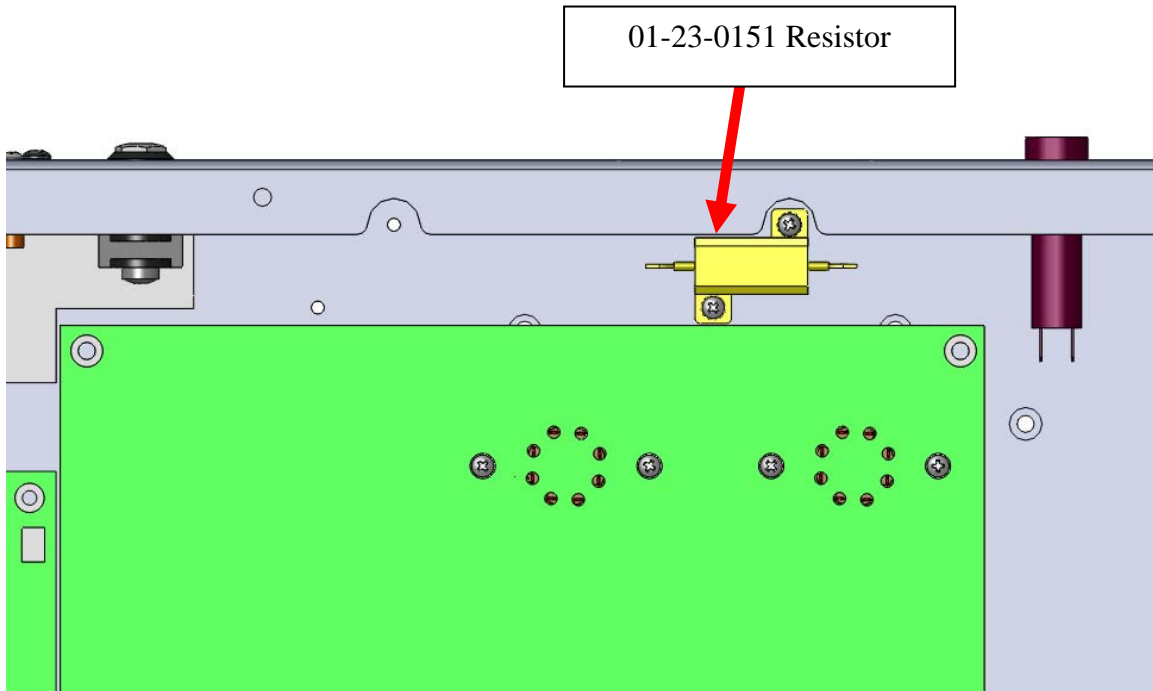
1 each **01-23-0151** RESISTOR

2 each **30-00-0137** SCREW 4-40 x .3125 w/LK WASH PAN HD PHIL BLK



Solder bare wires to RESISTOR terminals.
Add Heatshrink tubing as shown

STEP 21A CONT'D



STEP 21A CONT'D



Attach the HEADER from the RESISTOR to “**H3**” on the POWER PCBA as shown.

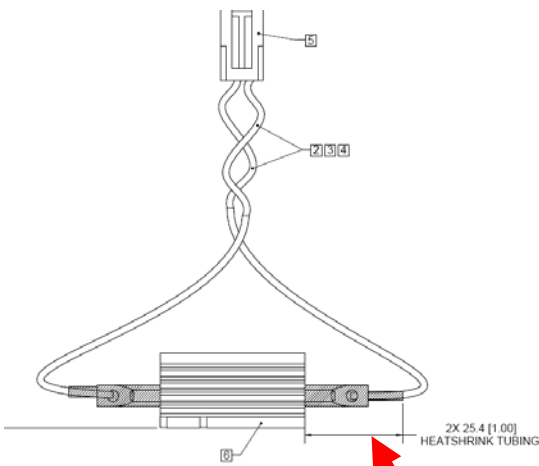
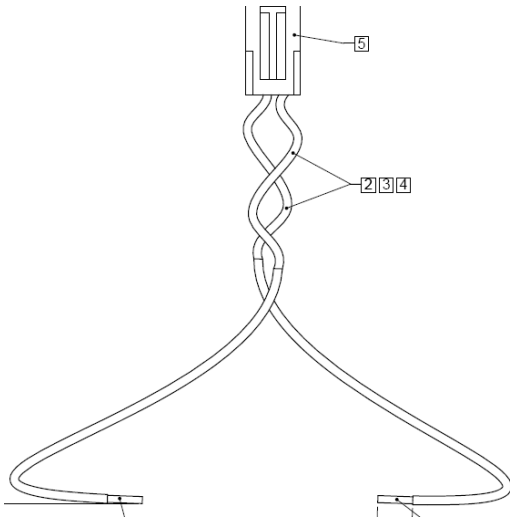
STEP 21B

P/N required:

1 each **21-34-0156** CBL ASSY

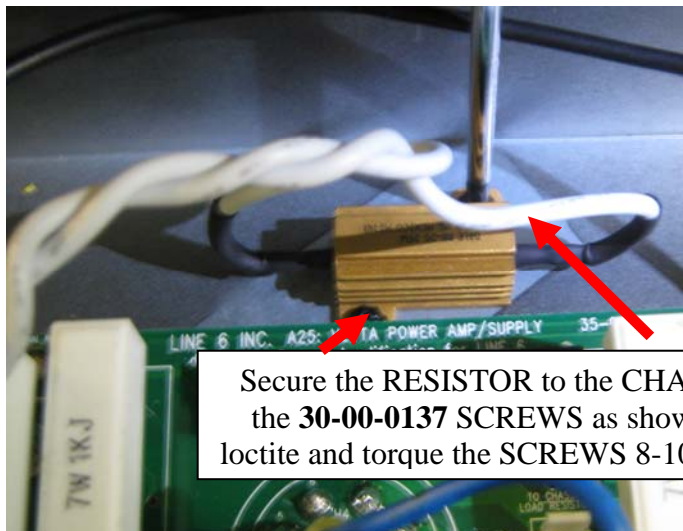
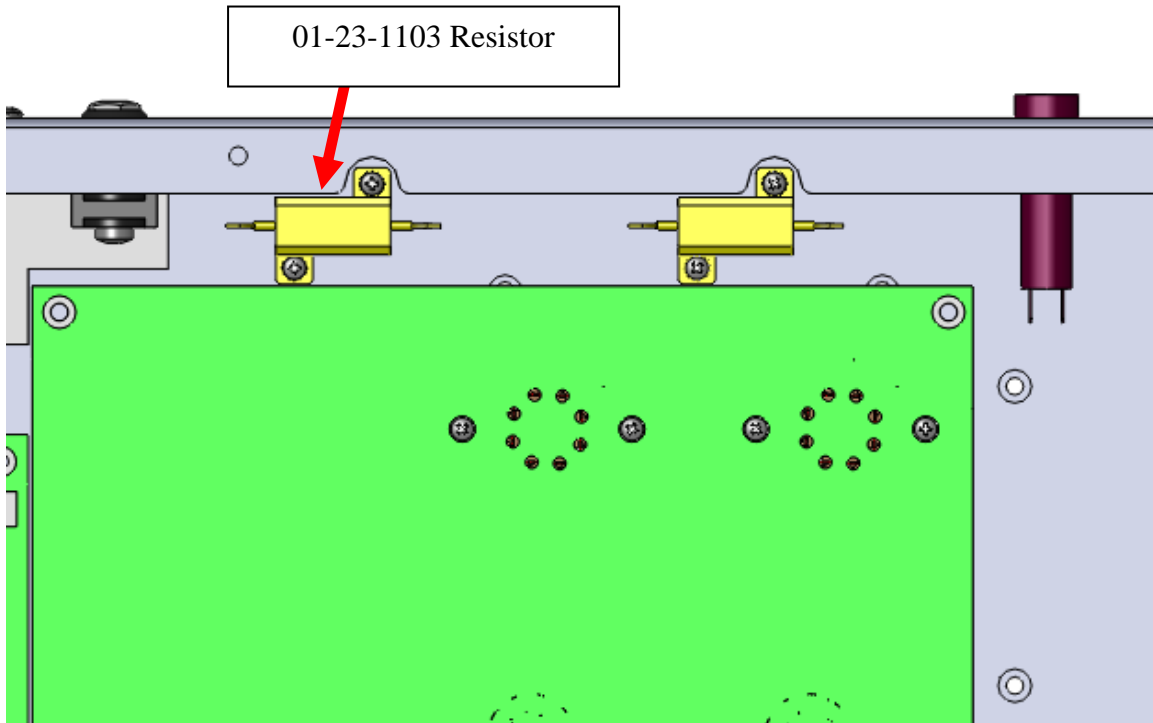
1 each **01-23-1103** RESISTOR

2 each **30-00-0137** SCREW 4-40 x .3125 w/LK WASH PAN HD PHIL BLK



Solder bare wires to RESISTOR terminals.
Add Heatshrink tubing as shown

STEP 21B CONT'D



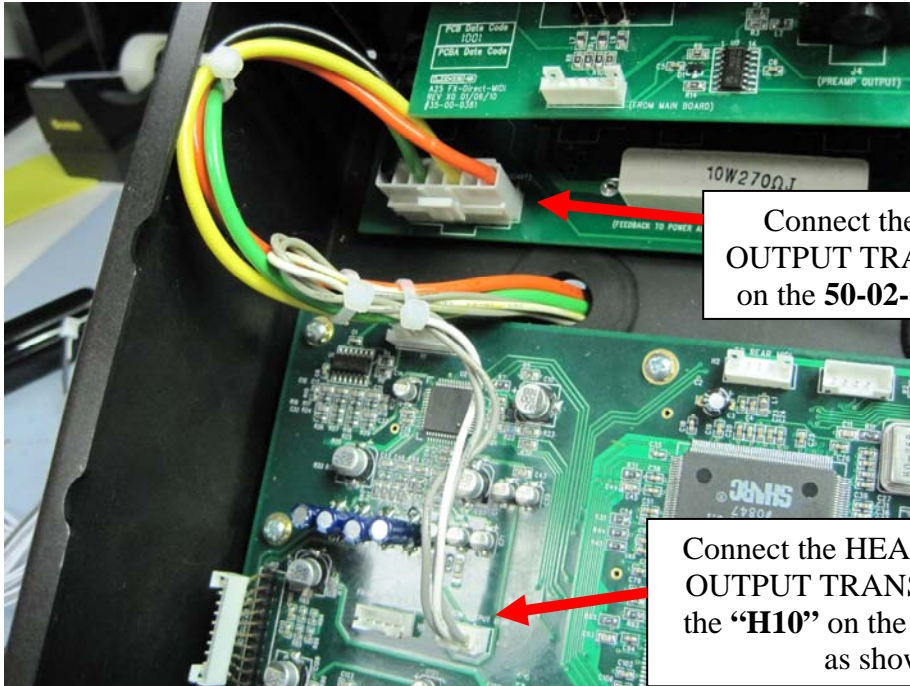
Secure the RESISTOR to the CHASSIS with the 30-00-0137 SCREWS as shown. Apply loctite and torque the SCREWS 8-10 in-pounds.

STEP 21B CONT'D



Attach the HEADER from the RESISTOR to “**H19**” on the POWER PCBA as shown.

STEP 22

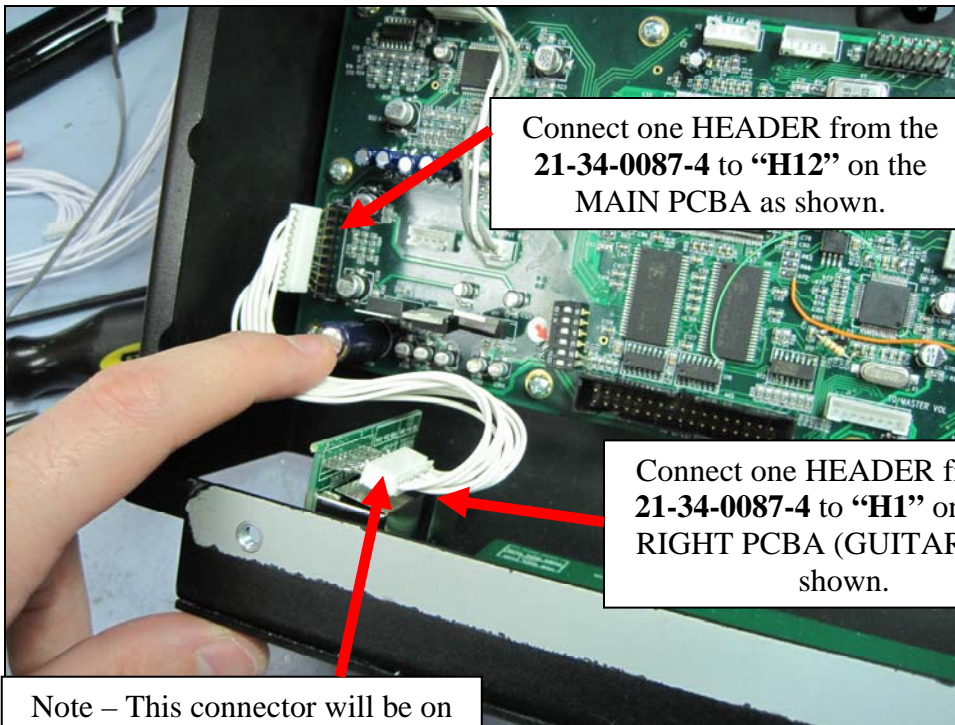


Connect the HEADER from the OUTPUT TRANSFORMER to “H1” on the 50-02-0383 PCBA as shown.

Connect the HEADER from the OUTPUT TRANSFORMER to the “H10” on the MAIN PCBA as shown.

STEP 23

P/N Required:
1 each **21-34-0087-4** CBL ASSY 10-COND 4"



Connect one HEADER from the **21-34-0087-4** to “**H12**” on the MAIN PCBA as shown.

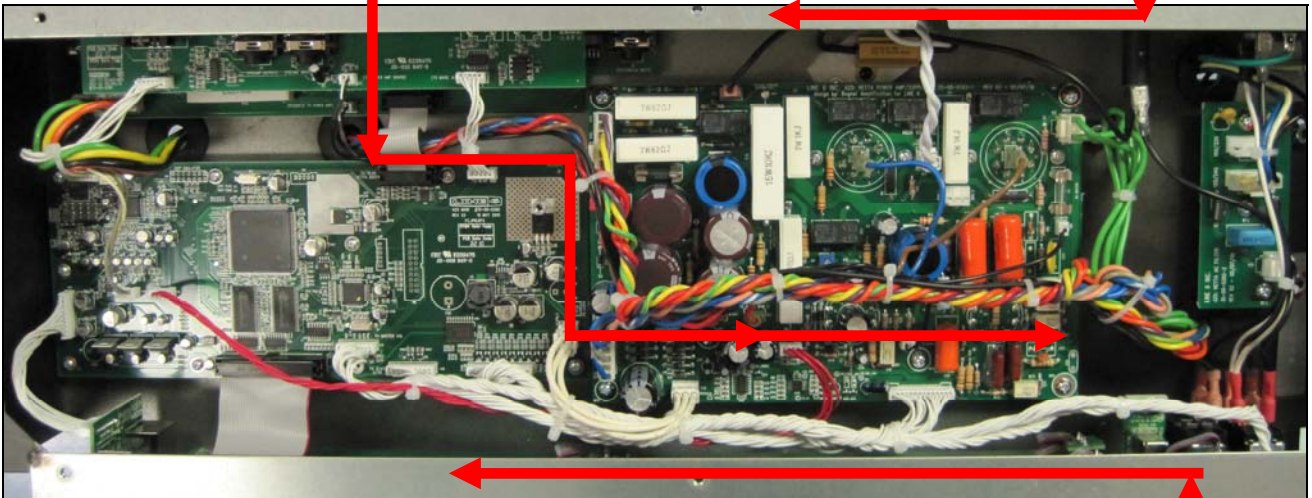
Connect one HEADER from the **21-34-0087-4** to “**H1**” on the UI RIGHT PCBA (GUITAR IN) as shown.

Note – This connector will be on the back of board

!! On steps 24 – 39 refer to the picture below for correct cable routing !!

(2) 21-34-0114-3, blue/brown/red Output Transformer, (2) Multi-colored Power Transformer, and 21-34-1025-1 cables run along the Center of chassis as shown

21-34-1023-4 cable runs along the back of chassis as shown

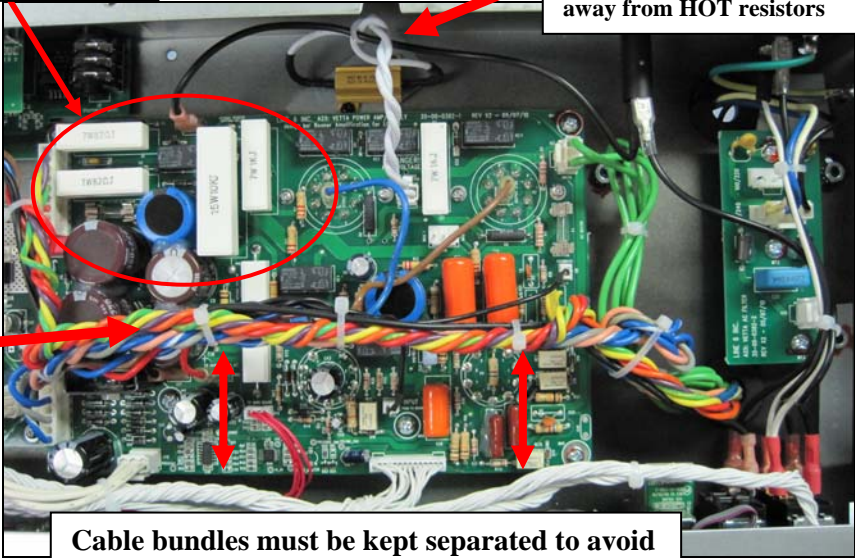


21-34-0086-2, 21-34-0087-3, 21-34-0007-5, 21-34-0153 run along the front of chassis as shown

HOT Resistors, keep wires away!

Cable should be tied off low on resistor leads to keep cable away from HOT resistors

Cables should be off center to keep away from HOT resistors

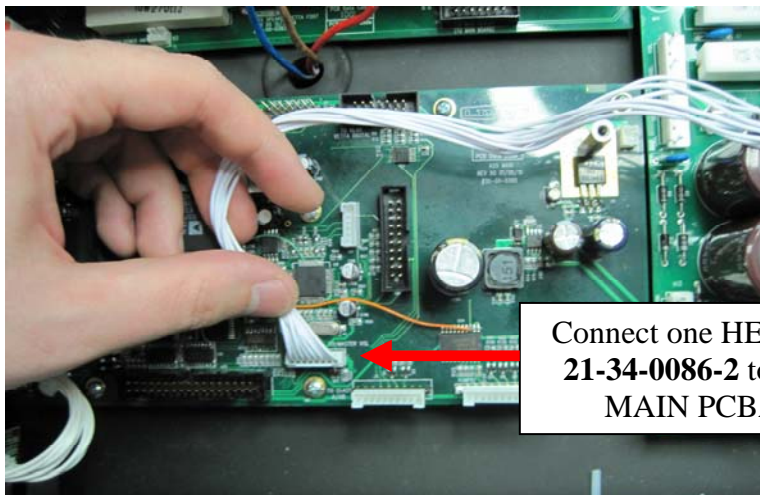


Cable bundles must be kept separated to avoid electrical interference!

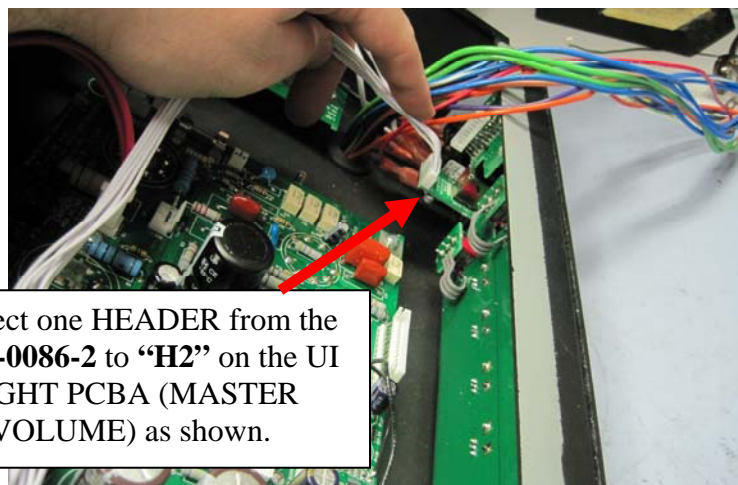
STEP 24

P/N required:
1 each **21-34-0086-2** CBL ASSY 18”

Twist cable prior to installation.



Connect one HEADER from the **21-34-0086-2** to “**H15**” on the MAIN PCBA as shown.

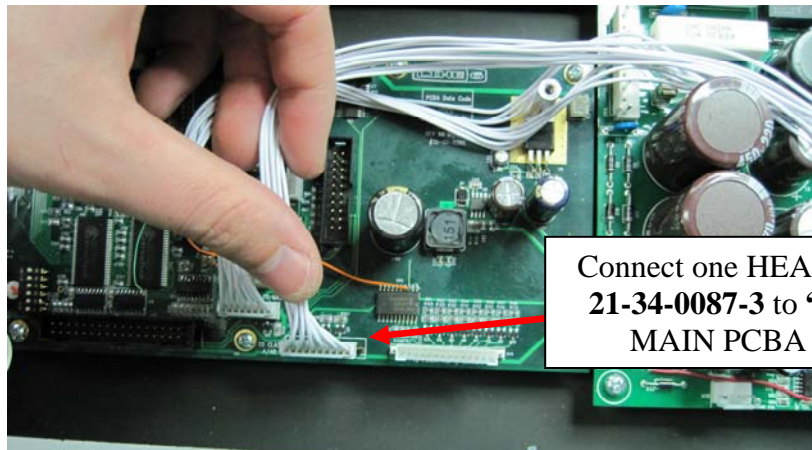


Connect one HEADER from the **21-34-0086-2** to “**H2**” on the UI RIGHT PCBA (MASTER VOLUME) as shown.

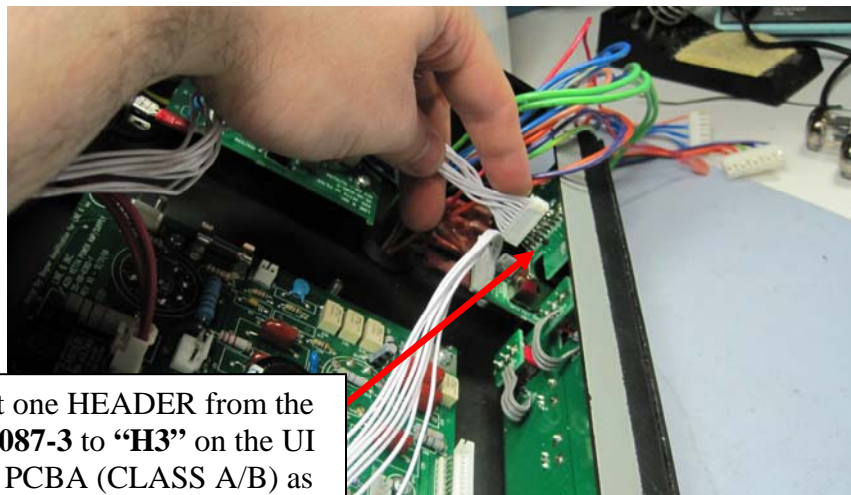
STEP 25

P/N required:
1 each **21-34-0087-3** CBL ASSY 18”

Twist cable prior to installation.



Connect one HEADER from the **21-34-0087-3** to “**H16**” on the MAIN PCBA as shown.

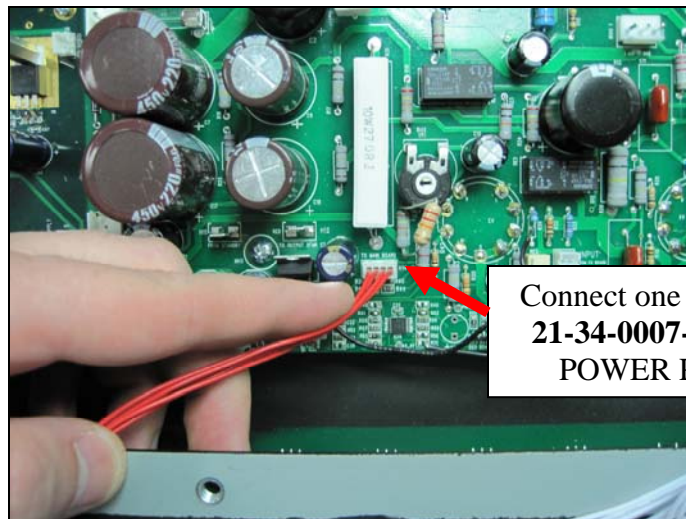
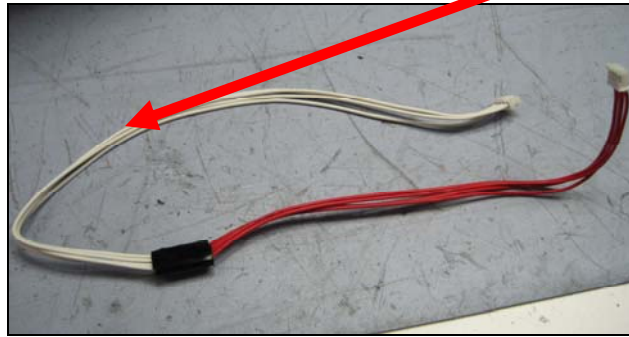


Connect one HEADER from the **21-34-0087-3** to “**H3**” on the UI RIGHT PCBA (CLASS A/B) as shown.

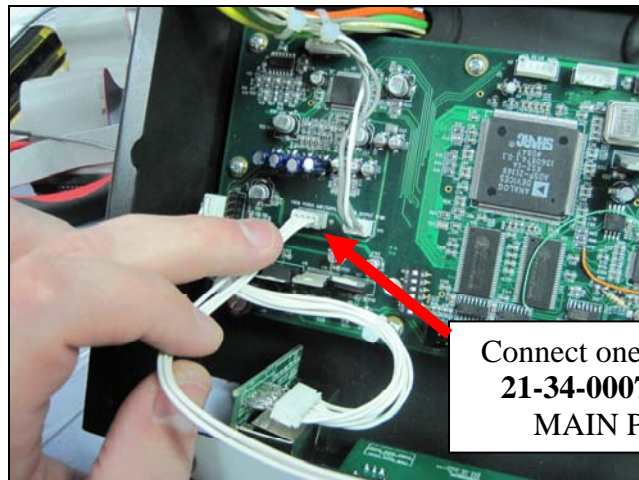
STEP 26

P/N required:
1 each **21-34-0007-5** CBL SIL 18" RED

Note – Entire cable will be RED



Connect one HEADER from the **21-34-0007-5** to “**H14**” on the POWER PCBA as shown.



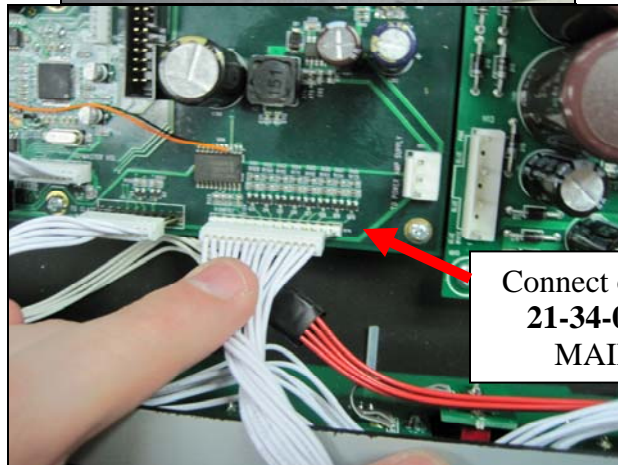
Connect one HEADER from the **21-34-0007-5** to “**H9**” on the MAIN PCBA as shown.

STEP 27

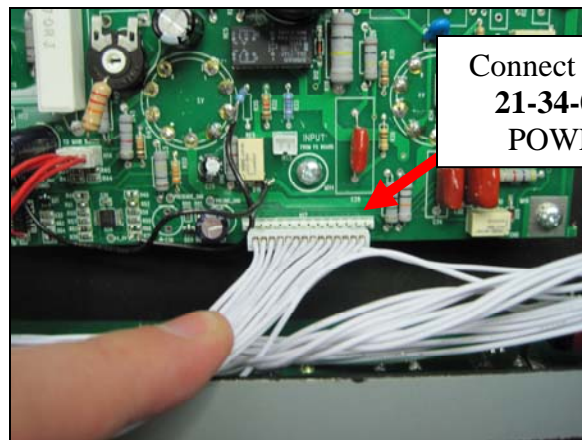
P/N Required:

1 each **21-34-0153** CBL ASSY 12" WHITE

Twist cable prior to installation.

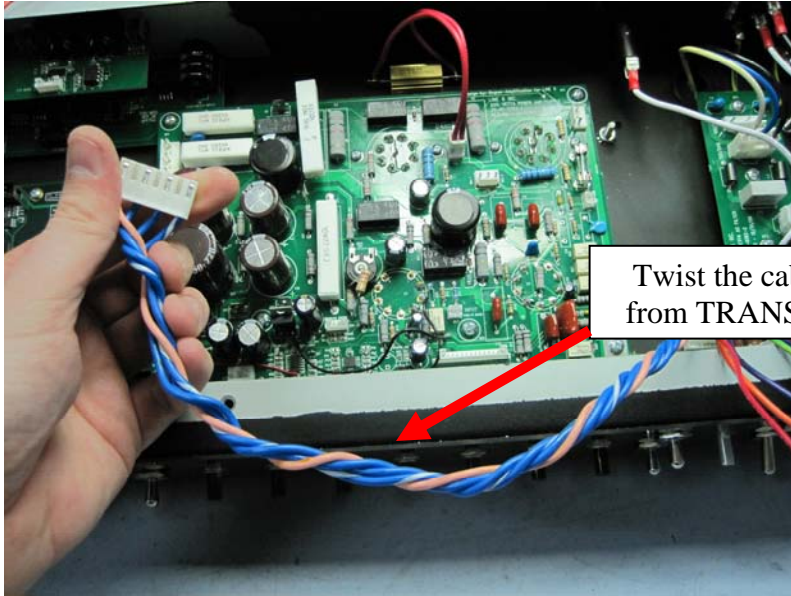


Connect one HEADER from the **21-34-0153** to "H14" on the MAIN PCBA as shown.

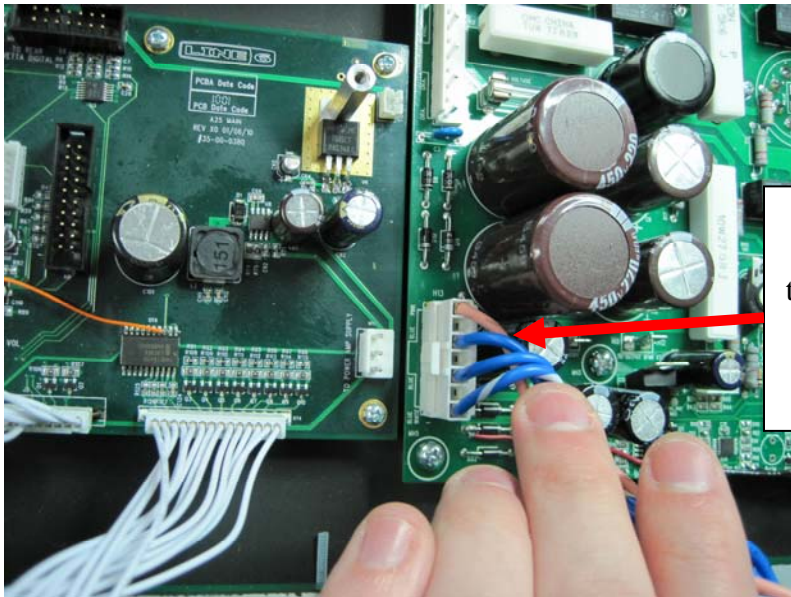


Connect one HEADER from the **21-34-0153** to "H17" on the POWER PCBA as shown.

STEP 28

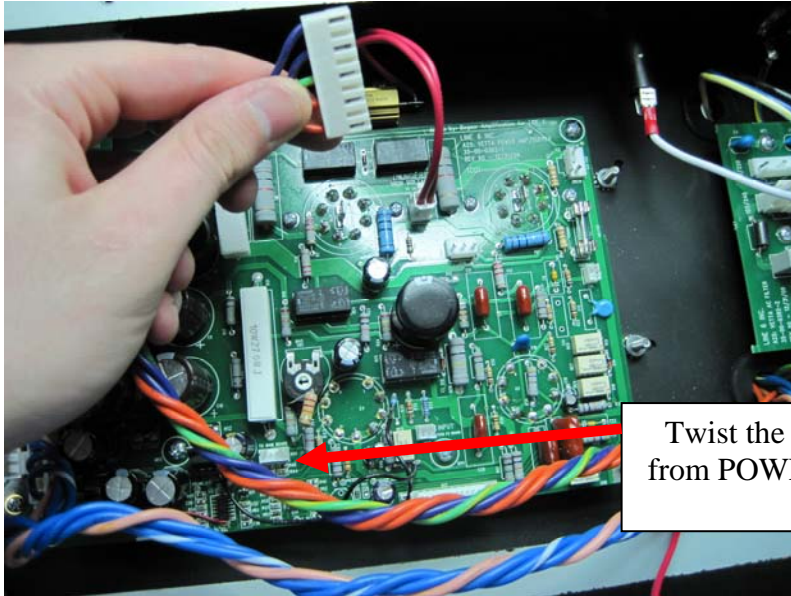


Twist the cables of the **HEADER** from **TRANSFORMER** as shown.

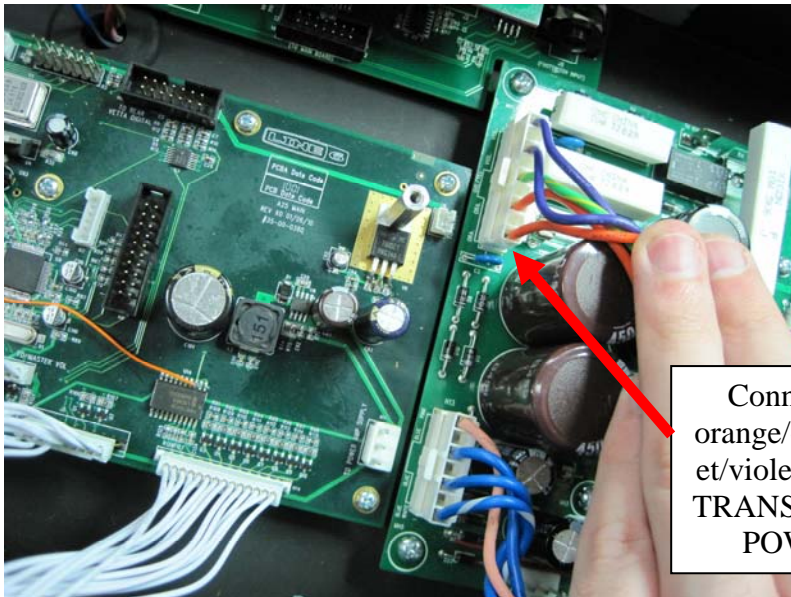


Connect the **HEADER** (with blue/blue/blue/pink wires) from the **POWER TRANSFORMER** to **"H13"** on the **POWER PCBA** as shown.

STEP 29



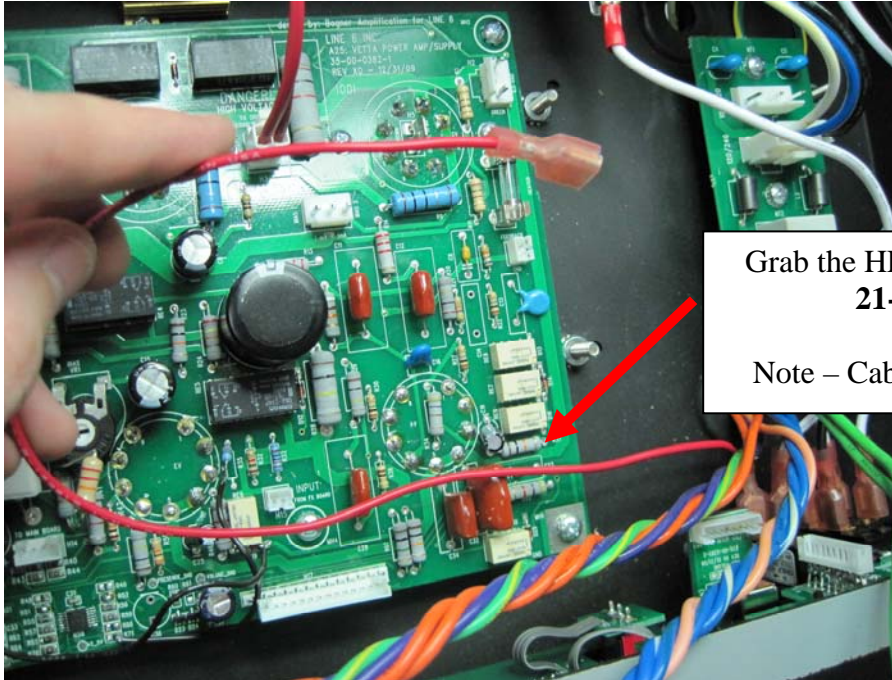
Twist the cables of the HEADER from POWER TRANSFORMER as shown.



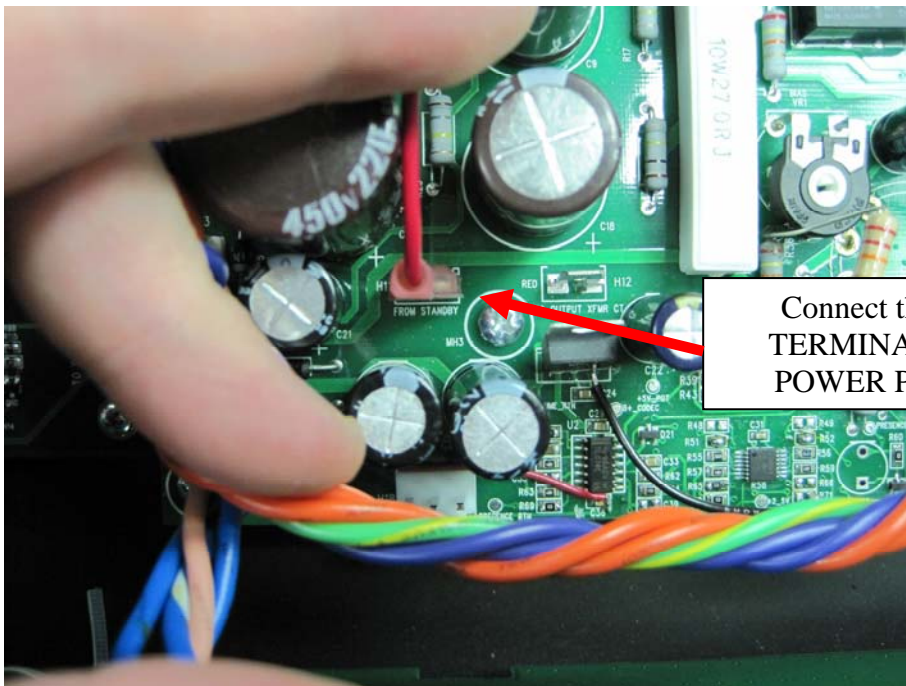
! Route both Power Transformer Cable Assy along front of chassis !

Connect the HEADER (with orange/orange/green&yellow/violet/violet wires) from the POWER TRANSFORMER to “**H6**” on the POWER PCBA as shown.

STEP 30

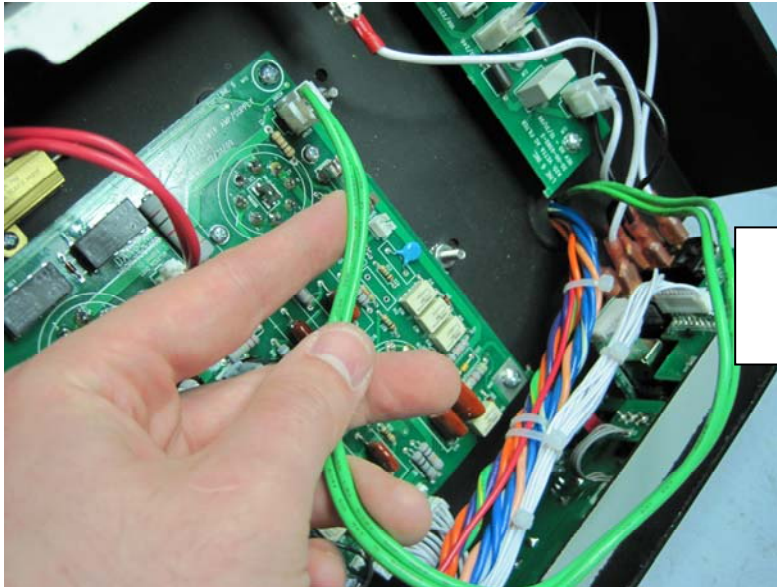


Grab the **HEADER** of **CABLE 21-34-1025-1**
Note – Cable will be **BLACK**

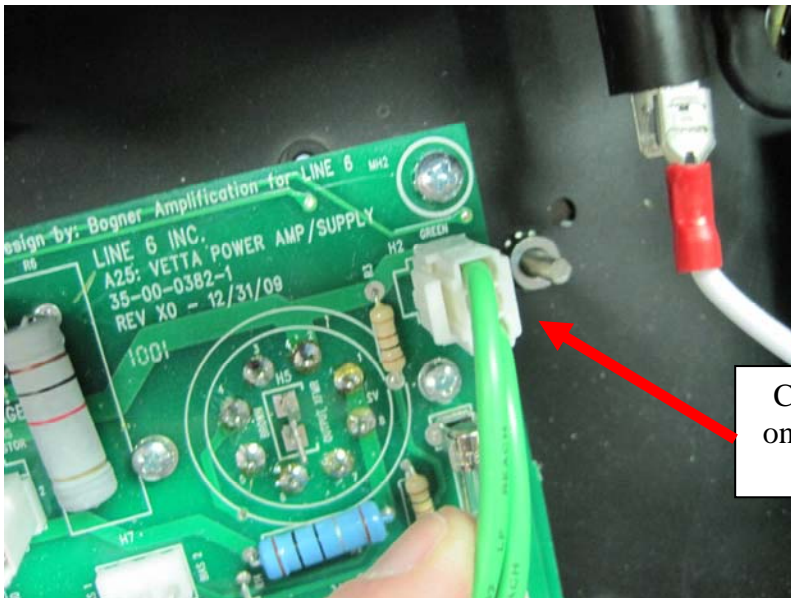


Connect the **HEADER** to **TERMINAL "H11"** on the **POWER PCBA** as shown.

STEP 31



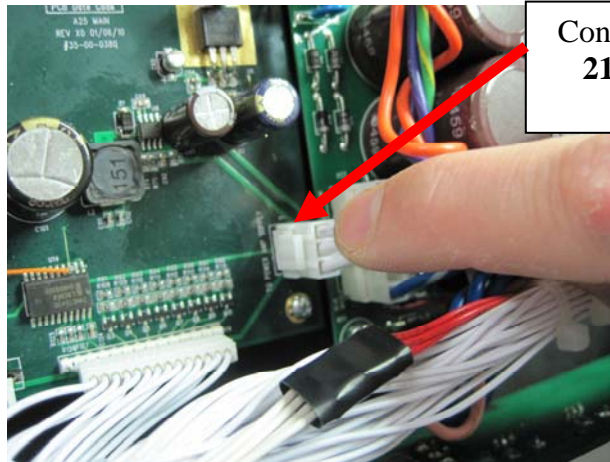
Grab the HEADER of the green cables from the POWER TRANSFORMER



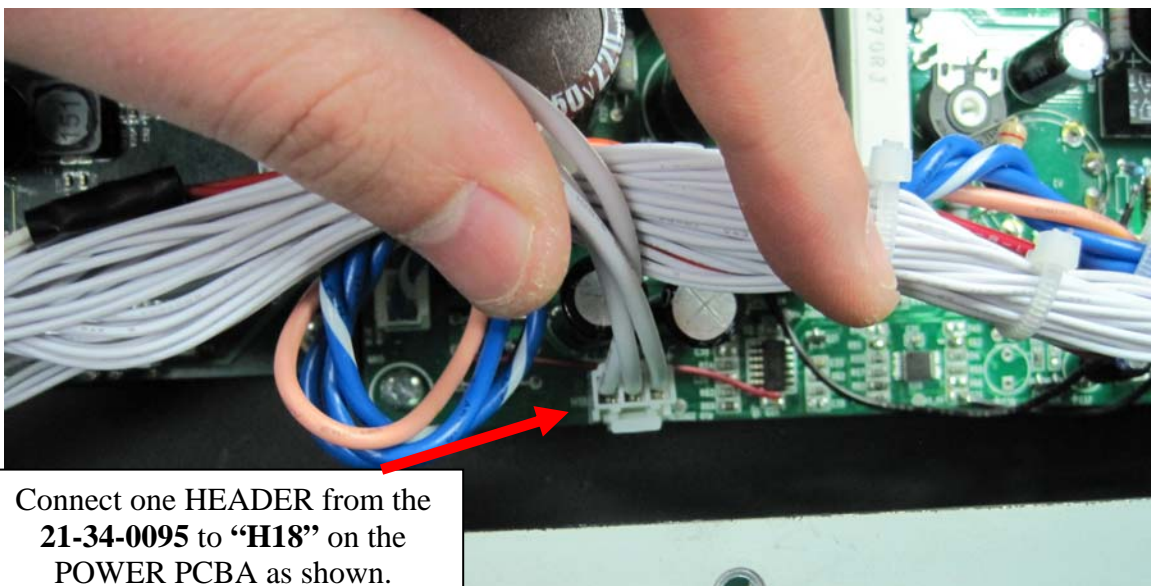
Connect the HEADER to "H2" on the POWER PCBA as shown.

STEP 32

P/N required:
1 each **21-34-0095** CBL SIL WHITE



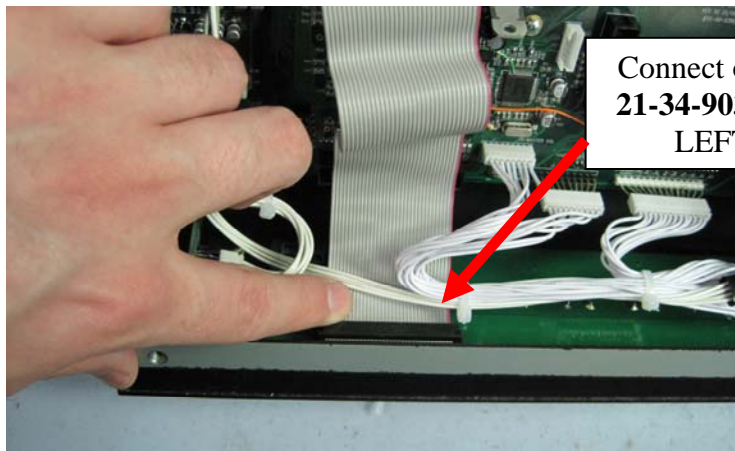
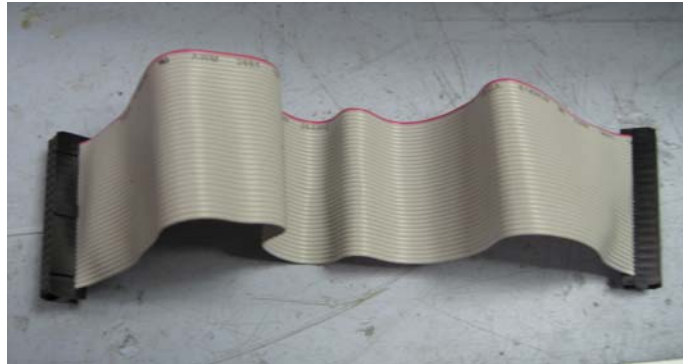
Connect one HEADER from the **21-34-0095** to “**H11**” on the MAIN PCBA as shown.



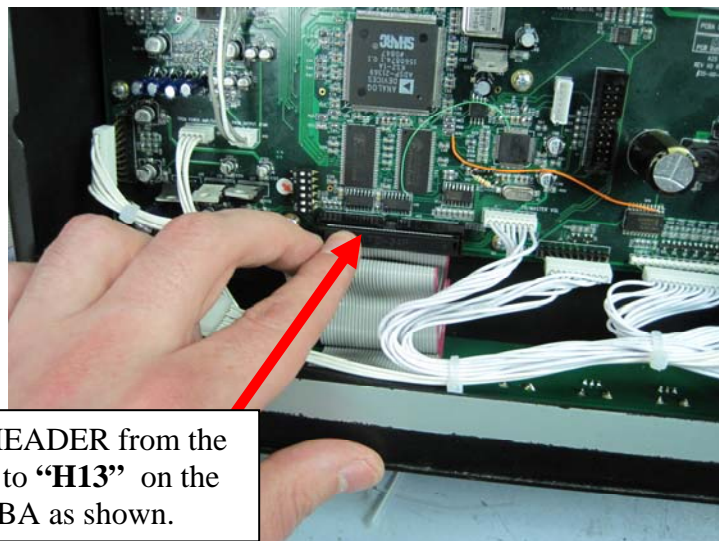
Connect one HEADER from the **21-34-0095** to “**H18**” on the POWER PCBA as shown.

STEP 33

P/N required:
1 each **21-34-9034-3** CBL DIL RIBBON



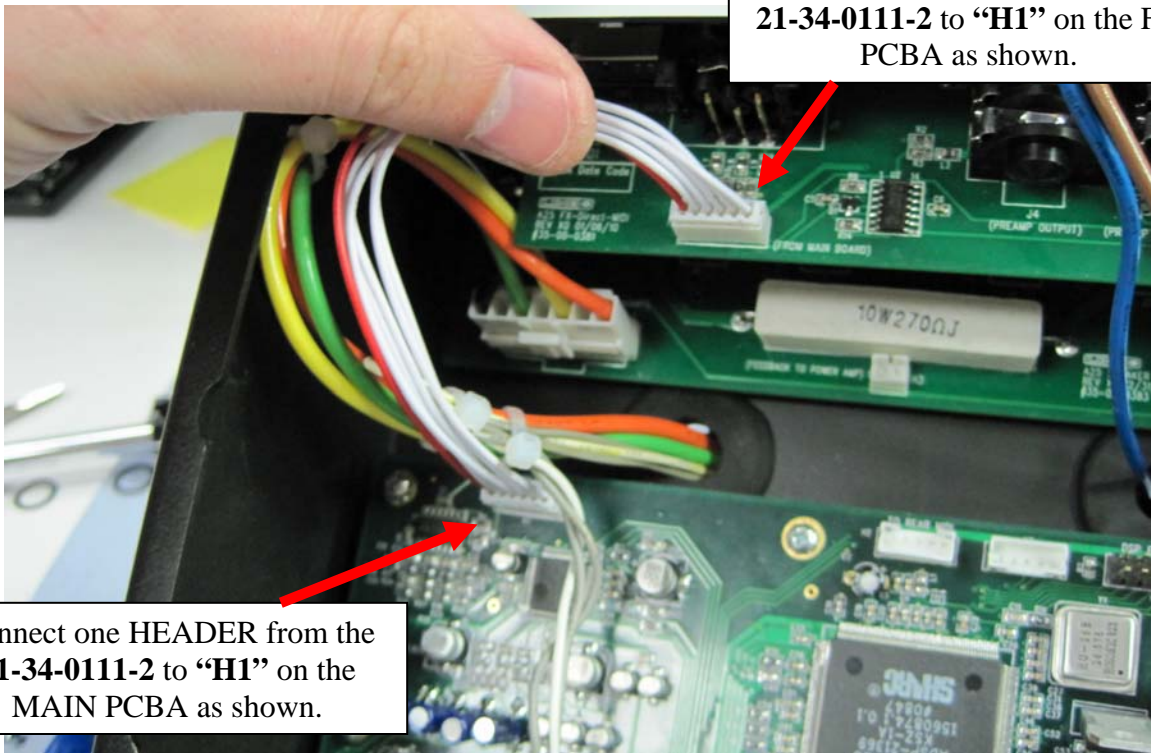
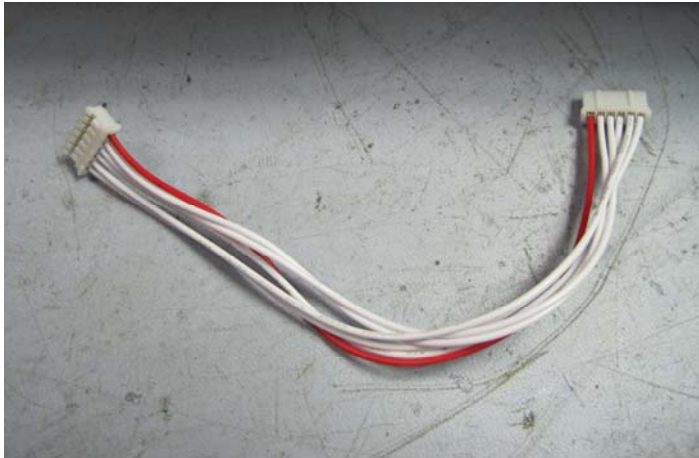
Connect one HEADER from the **21-34-9034-3** to “**H1**” on the UI LEFT PCBA as shown.



Connect one HEADER from the **21-34-9034-3** to “**H13**” on the MAIN PCBA as shown.

STEP 34

P/N required:
1 each **21-34-0111-2** CBL ASSY 5”

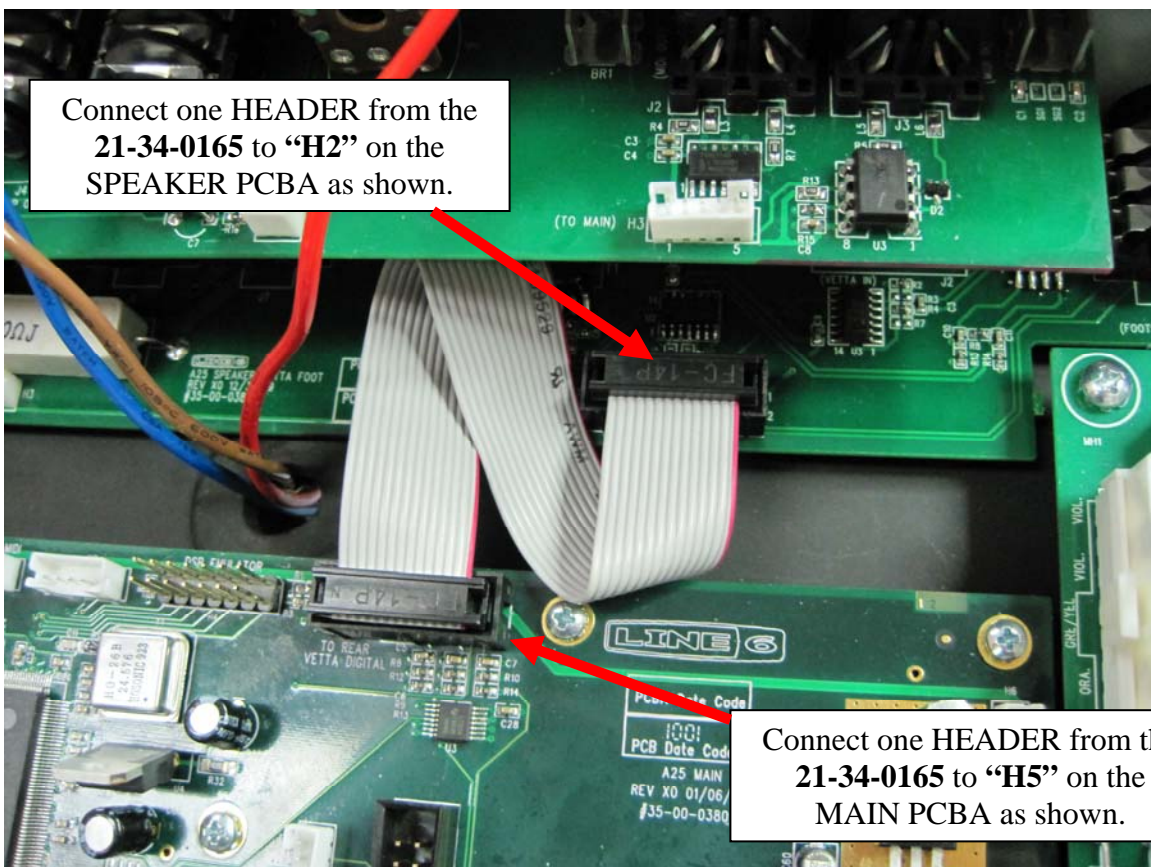


Connect one HEADER from the **21-34-0111-2** to “**H1**” on the FX PCBA as shown.

Connect one HEADER from the **21-34-0111-2** to “**H1**” on the MAIN PCBA as shown.

STEP 35

P/N required:
1 each **21-34-0165** CBL DIL RIBBON 16-PIN



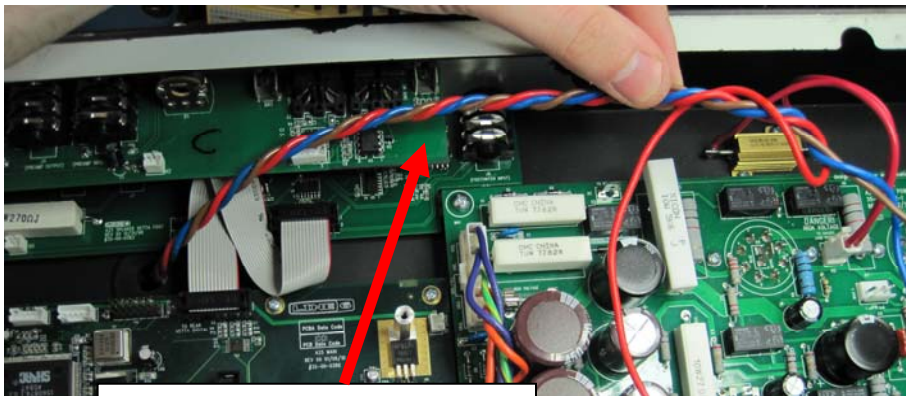
Connect one HEADER from the **21-34-0165** to “H2” on the SPEAKER PCBA as shown.

Connect one HEADER from the **21-34-0165** to “H5” on the MAIN PCBA as shown.

STEP 36

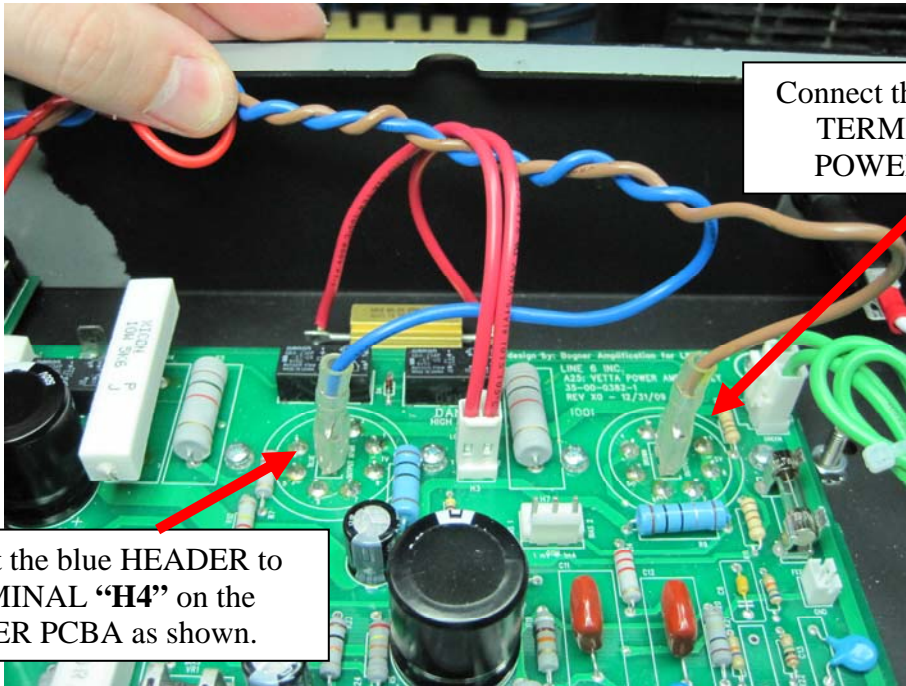


Grab the red, blue and brown cables from the OUTPUT TRANSFORMER.



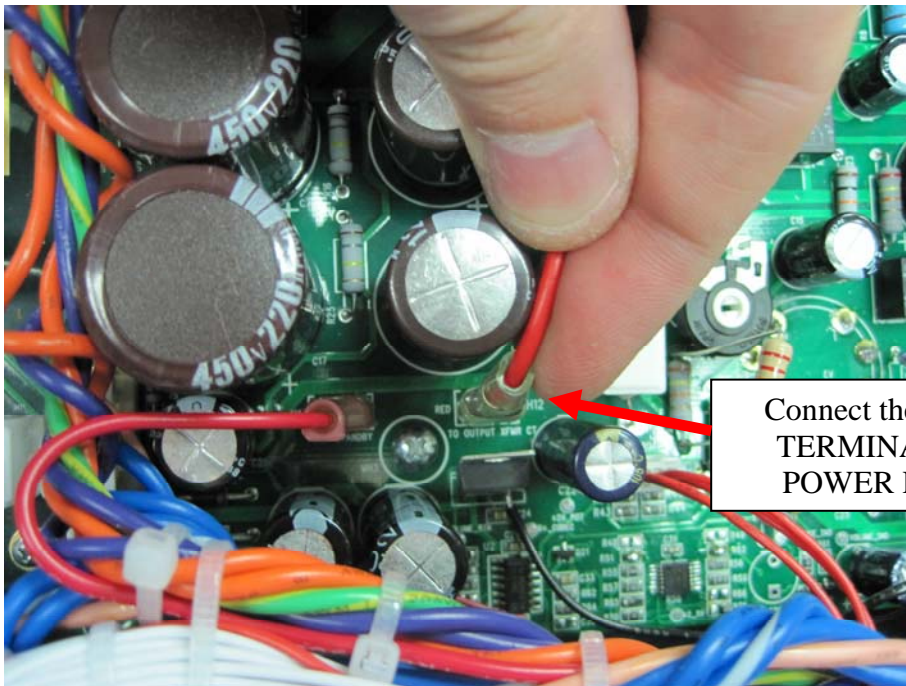
Twist the cables from the OUTPUT TRANSFORMER as shown.

STEP 36 (continued)



Connect the blue HEADER to
TERMINAL "H4" on the
POWER PCBA as shown.

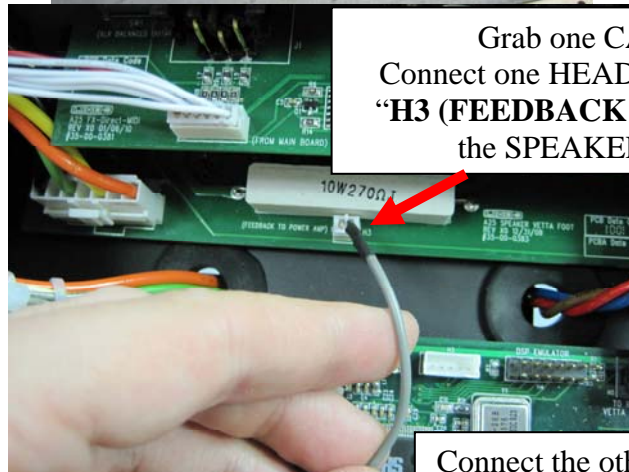
Connect the brown HEADER to
TERMINAL "H5" on the
POWER PCBA as shown.



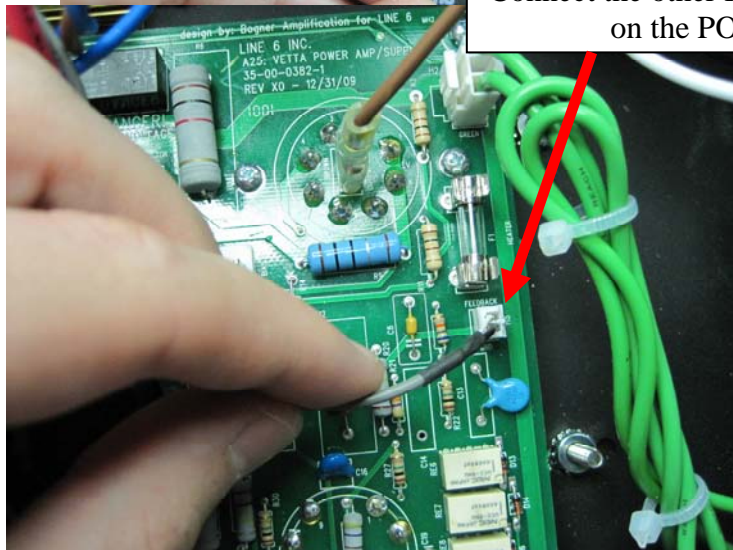
Connect the red HEADER to
TERMINAL "H12" on the
POWER PCBA as shown.

STEP 37

P/N required:
2 each **21-34-0114-3** CBL ASSY 2 PIN SHLD

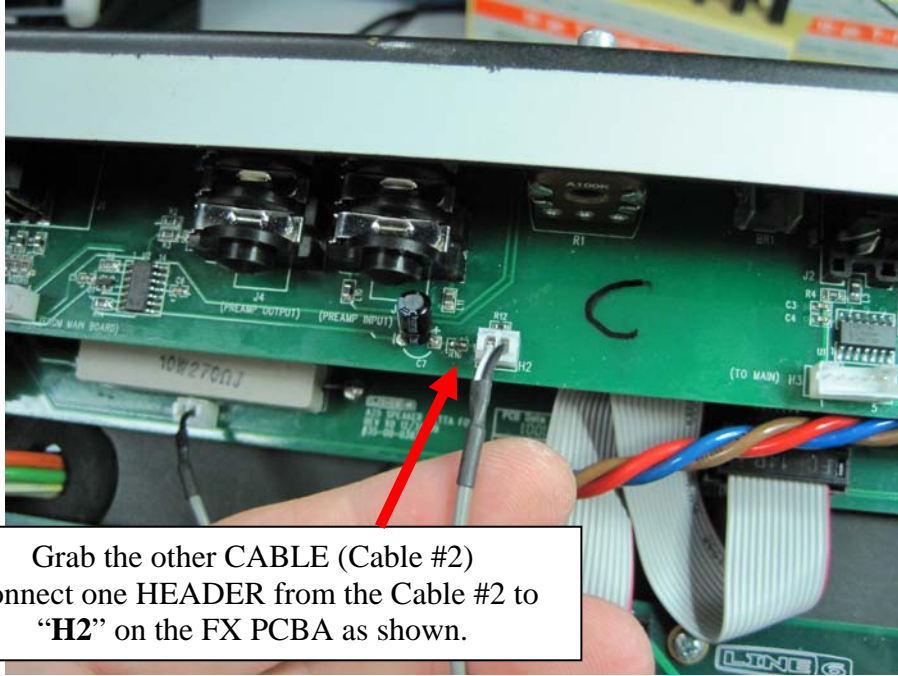


Grab one CABLE (Cable #1)
Connect one HEADER from the Cable #1 to
“H3 (FEEDBACK TO POWER AMP)” on
the SPEAKER PCBA as shown.

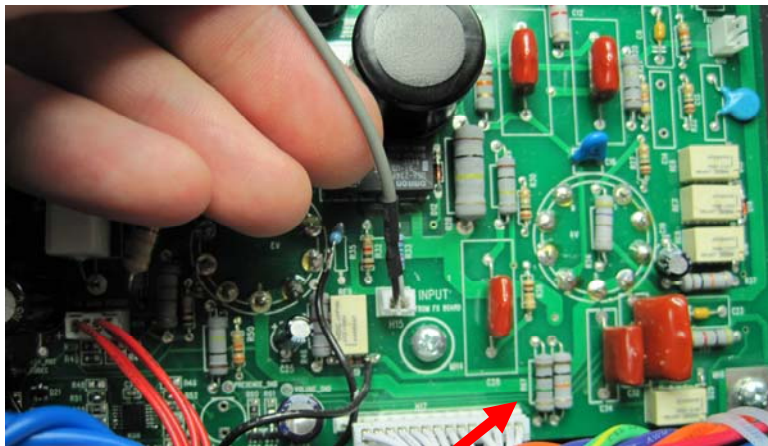


Connect the other HEADER from Cable #1 to “H8”
on the POWER PCBA as shown.

STEP 37 (continued)



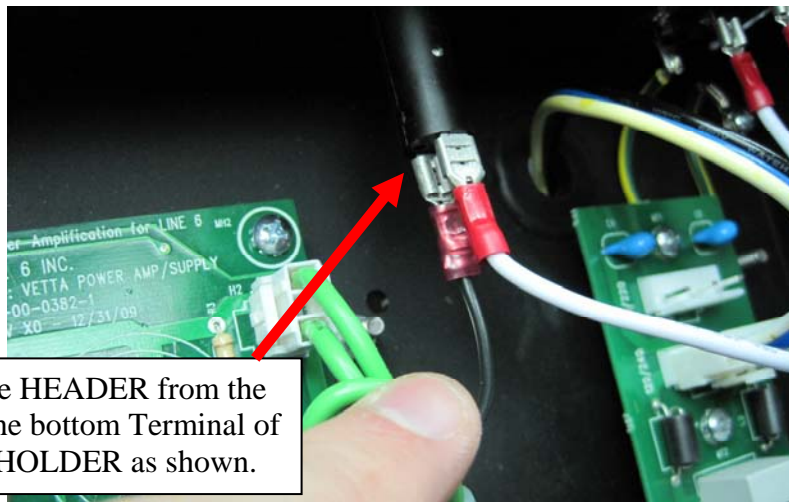
Grab the other CABLE (Cable #2)
Connect one HEADER from the Cable #2 to
“H2” on the FX PCBA as shown.



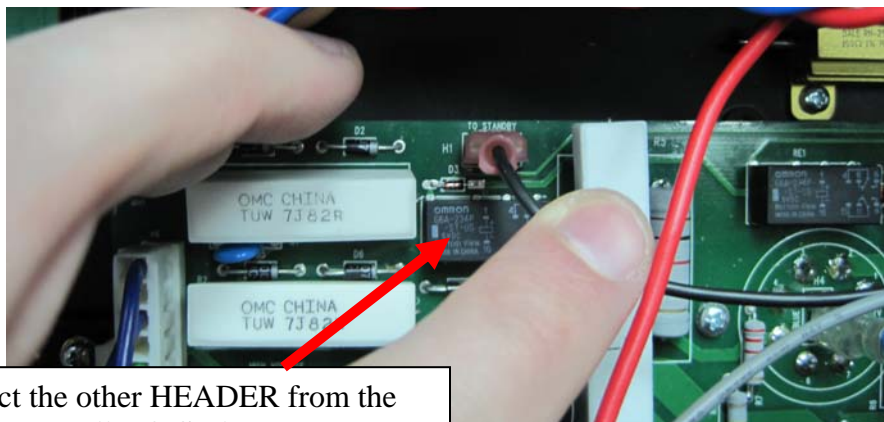
Connect the other HEADER from the Cable #2 to
“H15” on the POWER PCBA as shown.

STEP 38

P/N required:
1 each 21-34-1023-4 CBL FSTN 10.5" BLK



Connect one HEADER from the CABLE to the bottom Terminal of the FUSE HOLDER as shown.



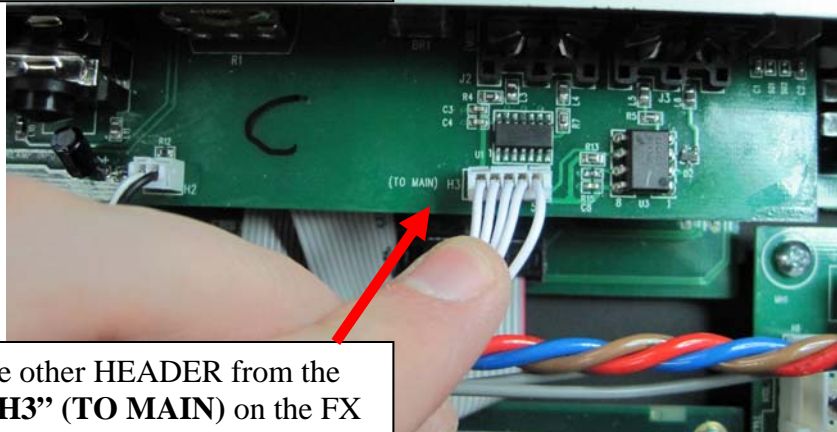
Connect the other HEADER from the CABLE to "H1" TO STANDBY on the POWER PCBA as shown.

STEP 39

P/N required:
1 each **21-34-0085-5** CBL ASSY 16”



Connect one HEADER from the CABLE to “**H2**” TO REAR MIDI on the MAIN PCBA as shown.

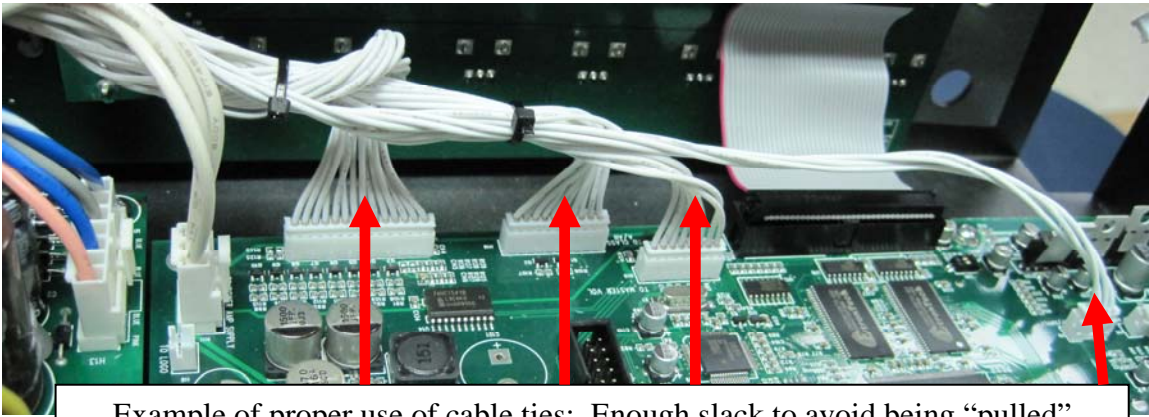


Connect the other HEADER from the CABLE to “**H3**” (TO MAIN) on the FX PCBA as shown.

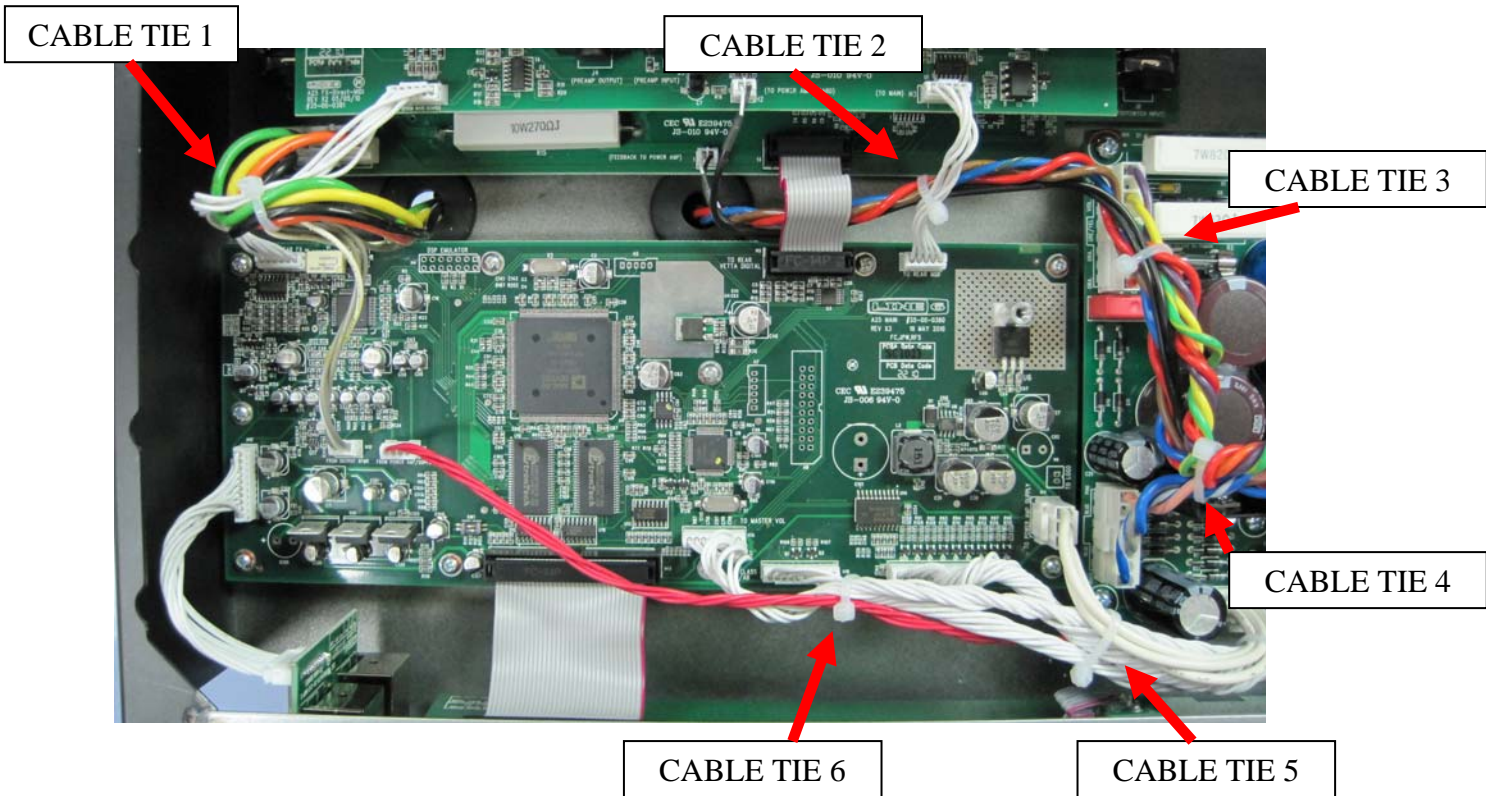
STEP 40

P/N required:
17 each 30-24-0030 CABLE TIE

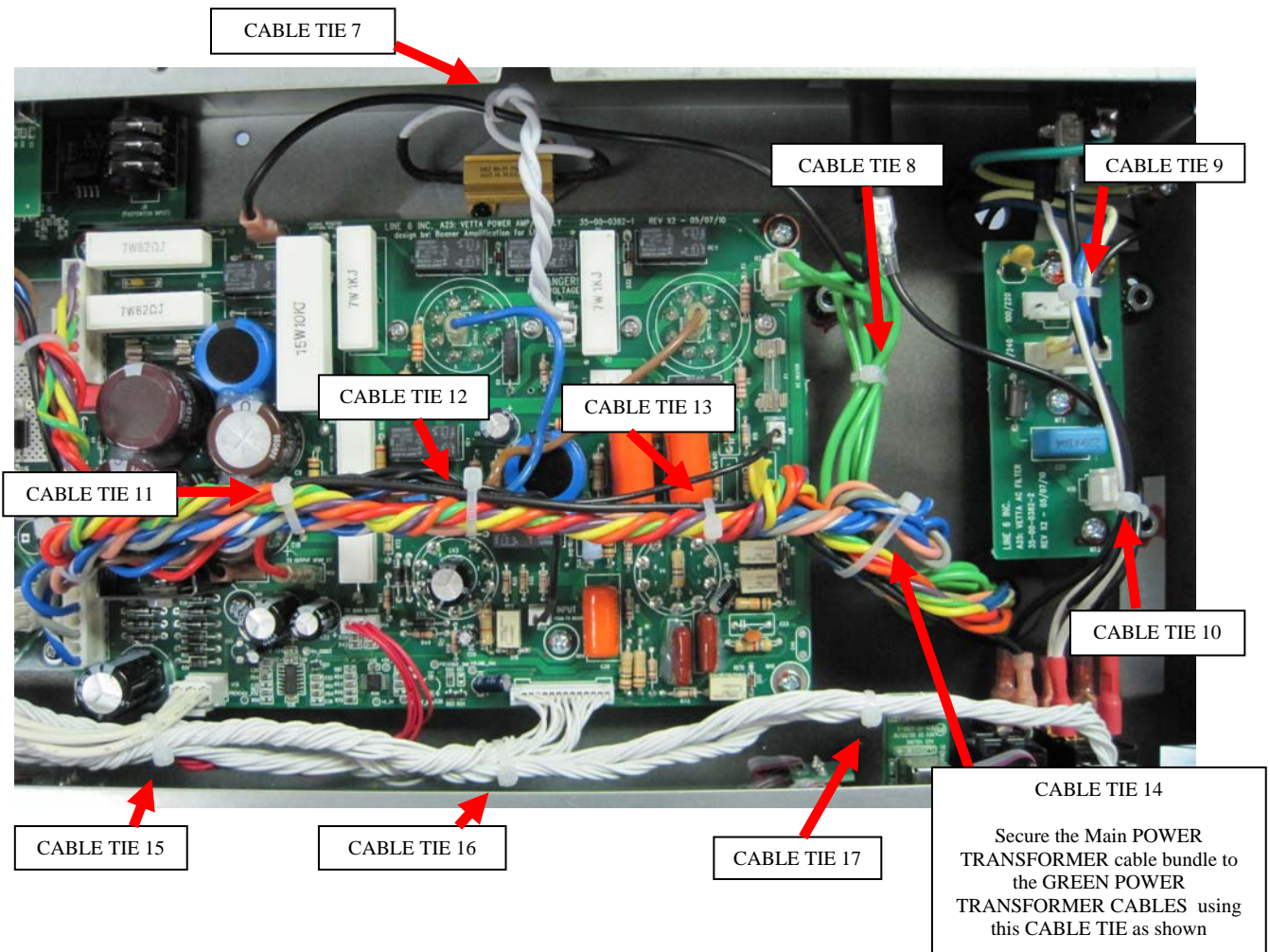
Note – When using cable ties, always insure that cables or connectors are not being overly stressed.



Install the CABLE TIES in the approximate locations shown. Clip off excess material from CABLE TIES after installation.



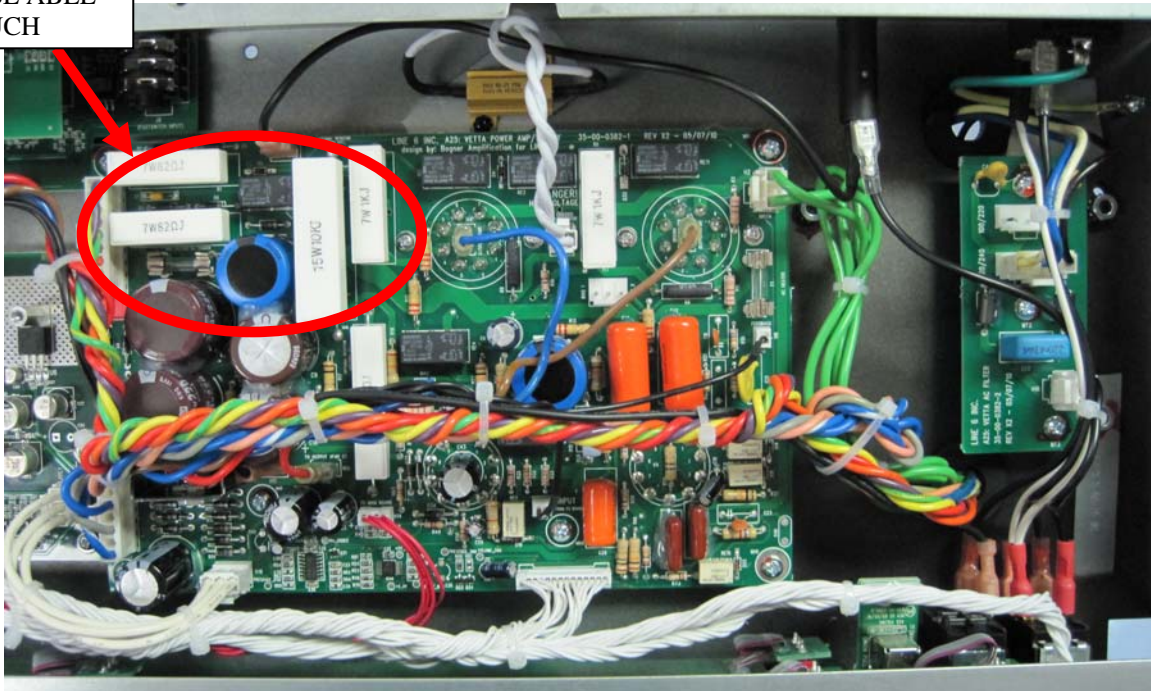
STEP 40 (continued)



STEP 40 (continued)

HOT RESISTORS,
ENSURE CABLES
WILL NOT BE ABLE
TO TOUCH

Wire tie **21-34-1023-4** cable to resistor leads
close to bottom of chassis as shown



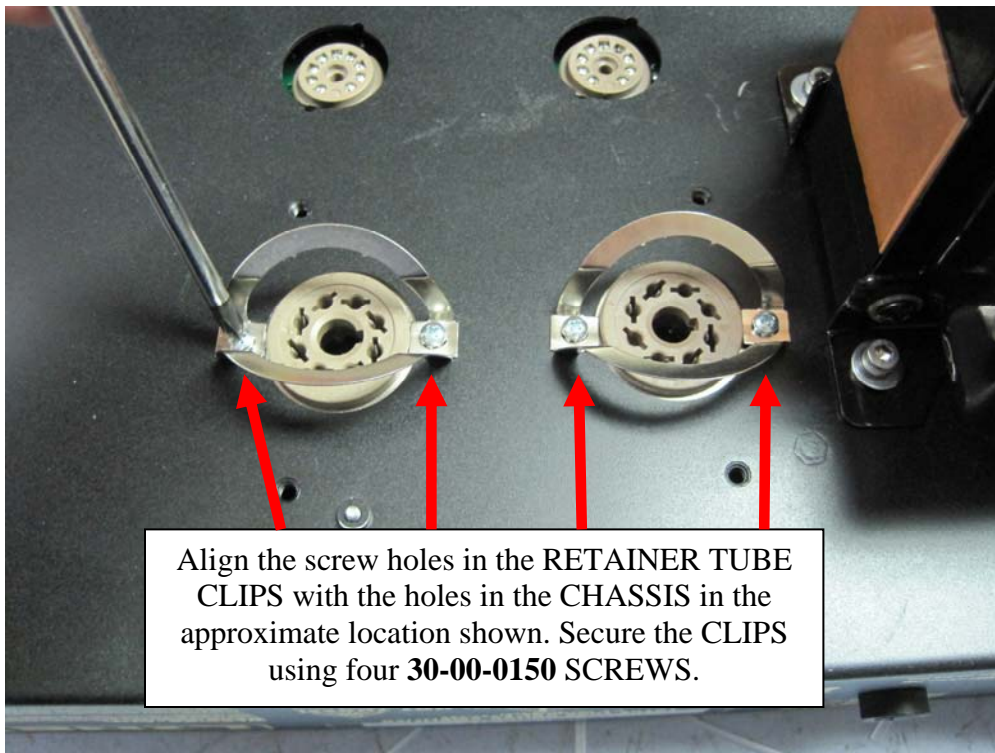
**! Take care to follow cable tying directions
carefully so that cable bundles will stay in
the pictured locations and are unable to
move around !**

STEP 41

P/N required:

2 each **30-21-0014** RETAINER TUBE CLAMP

4 each **30-00-0150** SCREW 4-40 x .3125 w/LK WASH



STEP 42a

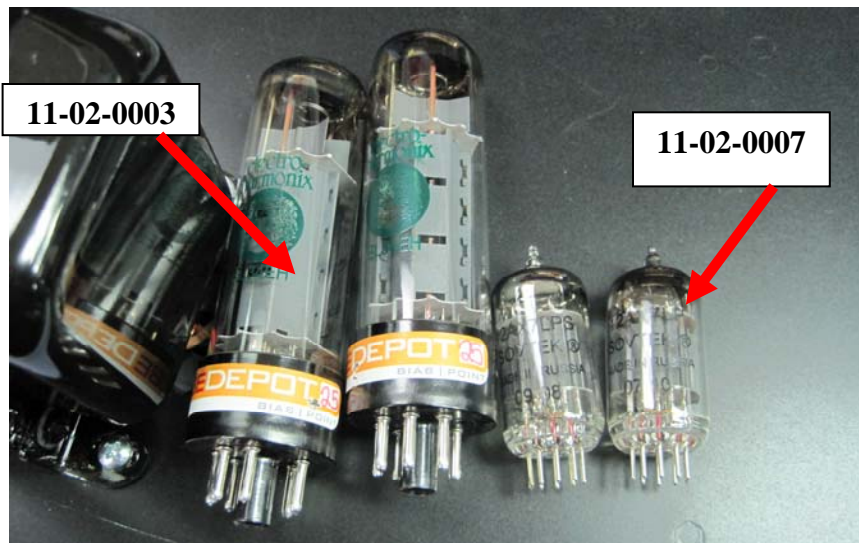
P/N required:

2 each **11-02-0007** VALVE 12AX7 DT50 APPROVED

1 each **11-02-0003** VALVE EL-34 MATCHED PAIR

IMPORTANT NOTES

- Clean cotton gloves shall be worn during handling of any VALVE
- All VALVES must be inserted by hand
- Inspect each VALVE for damage (cracks, discoloration, etc...)
- Inspect each VALVE for fingerprints or any residue. Wipe off any finger prints or residue with a dry or cotton cloth

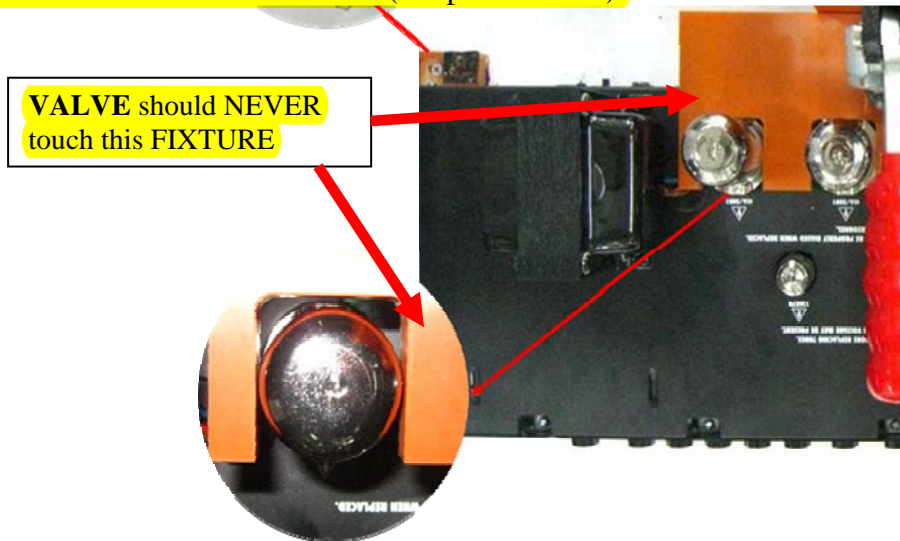


STEP 42a (continued)

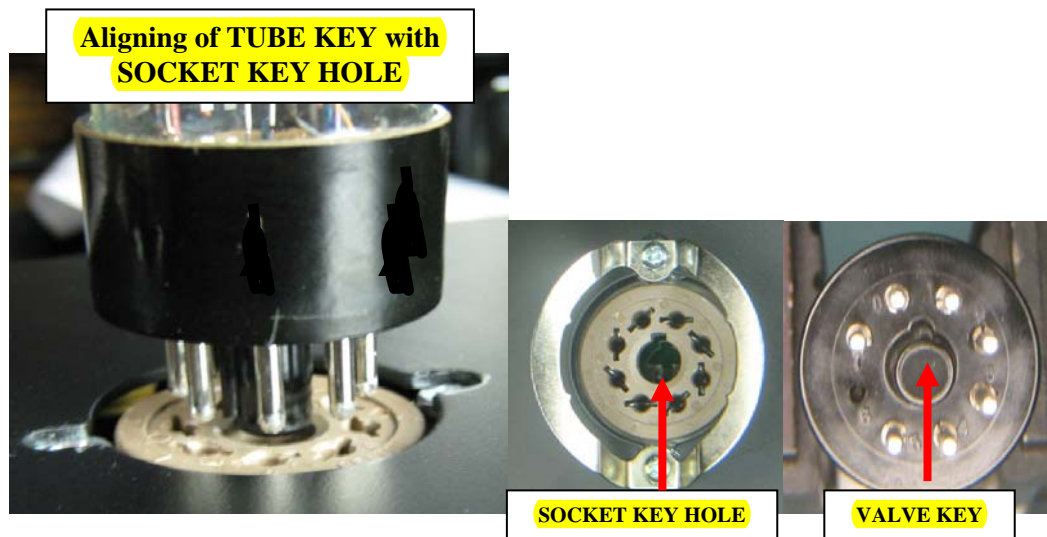
11-02-0003 VALVE INSERTION:

IMPORTANT NOTE: For clarity, pictures are shown without **30-21-0014 RETAINER TUBE CLAMPS**, however **TUBE RETAINER CLAMPS MUST** be installed prior to **VALVE** insertion.

IMPORTANT NOTE: During insertion, **11-02-0003 VALVES** must never come in contact with **TUBE FIXTURE** (see photo below).



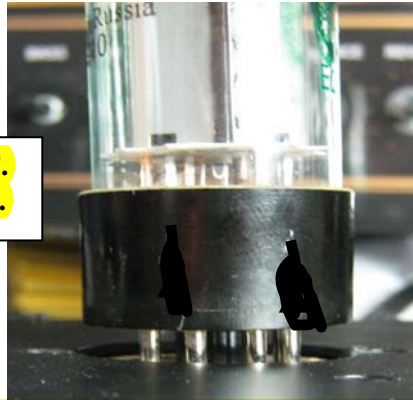
While holding the **11-02-0003 VALVE**, visually line up the **VALVE** with the **SOCKET** so that the **VALVE KEY** aligns with **SOCKET KEY HOLE**. (see photos below)



STEP 42a (continued)

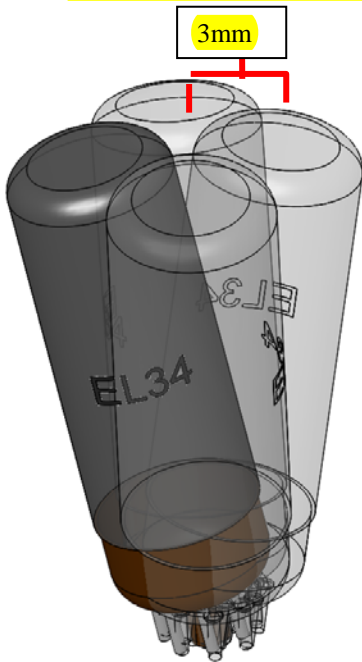
Without using force, gently lower the **VALVE** while the **VALVE KEY** and **VALVE PINS** enter the **SOCKET**. Stop this motion once force is needed to insert **VALVE** further. (see photo below)

**VALVE lowered into SOCKET.
Force needed beyond this point.**



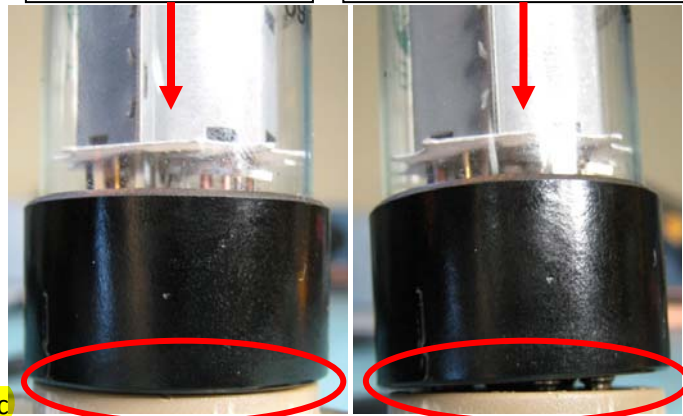
Ensure **VALVE KEY** and **VALVE PINS** are partially inserted into the **SOCKET**. Hold **VALVE** firmly in hand. While applying light downward pressure, rotate the **VALVE** in a circular motion* until **VALVE** is seated flush to **SOCKET**** (see example and photos below)

**Note: during circular rotation, the top of the VALVE should never deviate more than 3mm from center position (see example). Take care during this step to ensure VALVES never touch VALVE FIXTURE.*



Acceptable**

NOT Acceptable**

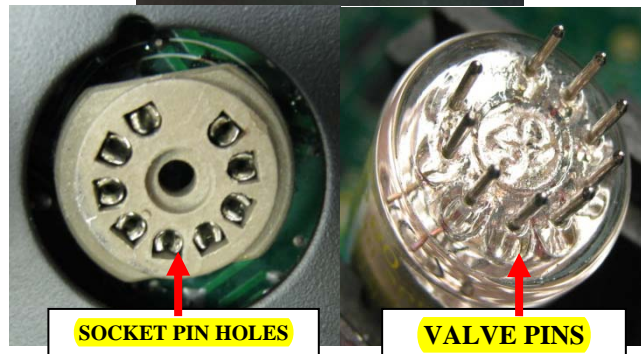
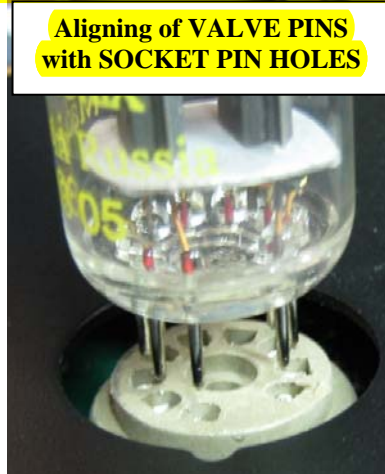


STEP 42a (continued)

11-02-0007 VALVE INSERTION:

While holding the **11-02-0007 VALVE**, visually align the **VALVE** with the **SOCKET** so that the **VALVE PINS** align with the **SOCKET PIN HOLES**. (see photos below)

**Aligning of VALVE PINS
with SOCKET PIN HOLES**



SOCKET PIN HOLES

VALVE PINS

Without using force, gently lower the **VALVE** while the **VALVE PINS** enter the **SOCKET**. Stop this motion once force is needed to insert **VALVE** further. (see photo below)

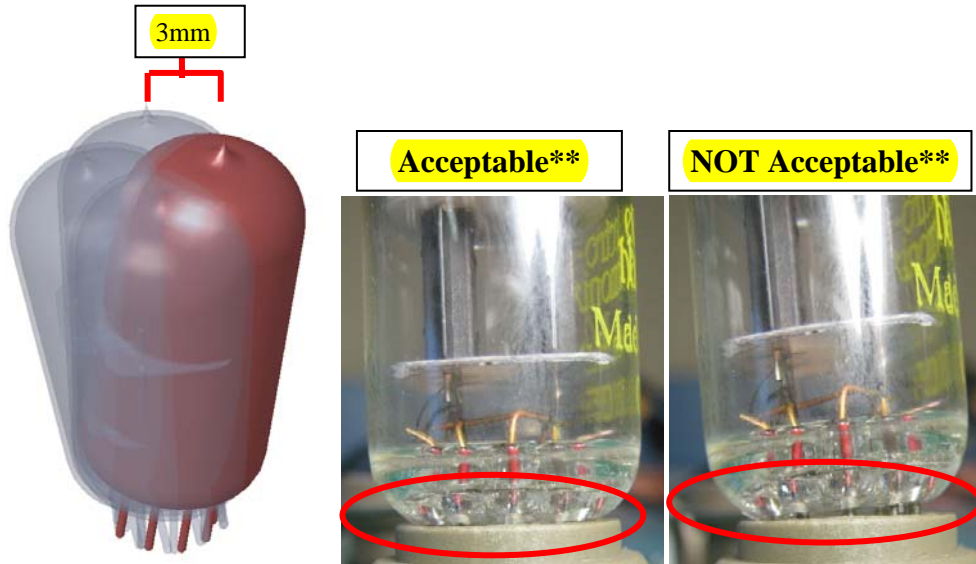
**TUBE lowered into SOCKET.
Force needed beyond this point.**



STEP 42a (continued)

Ensure **VALVE PINS** are partially inserted into the **SOCKET**. Hold **VALVE** firmly in hand while keeping the **VALVE** in a fully vertical position. While applying downward pressure, rotate the **TUBE** in a circular motion* until **TUBE** is fully seated**. (see example and photos)

**Note: during circular rotation, the top of the VALVE should never deviate more than 3mm from center position (see example).*



STEP 42a (continued)

INSPECTION - Visually inspect all Valves for fingerprints or residue. Wipe off any finger prints or residue with a dry cotton cloth.



View with all four VALVES in place.

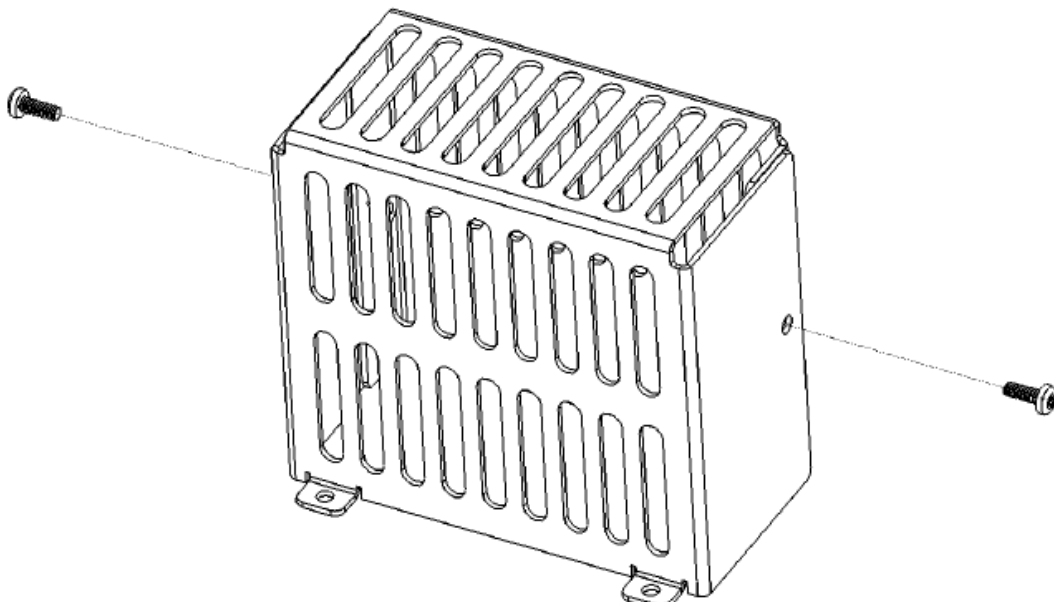
STEP 42B

P/N required:

1 each **30-51-0519** TUBE CAGE A25

2 each **30-00-0128** SCREW 6-32 x 0.375 w/LK WASH PPH BLK

Install screws as shown. Torque each SCREW to 6-8 inch-pounds.



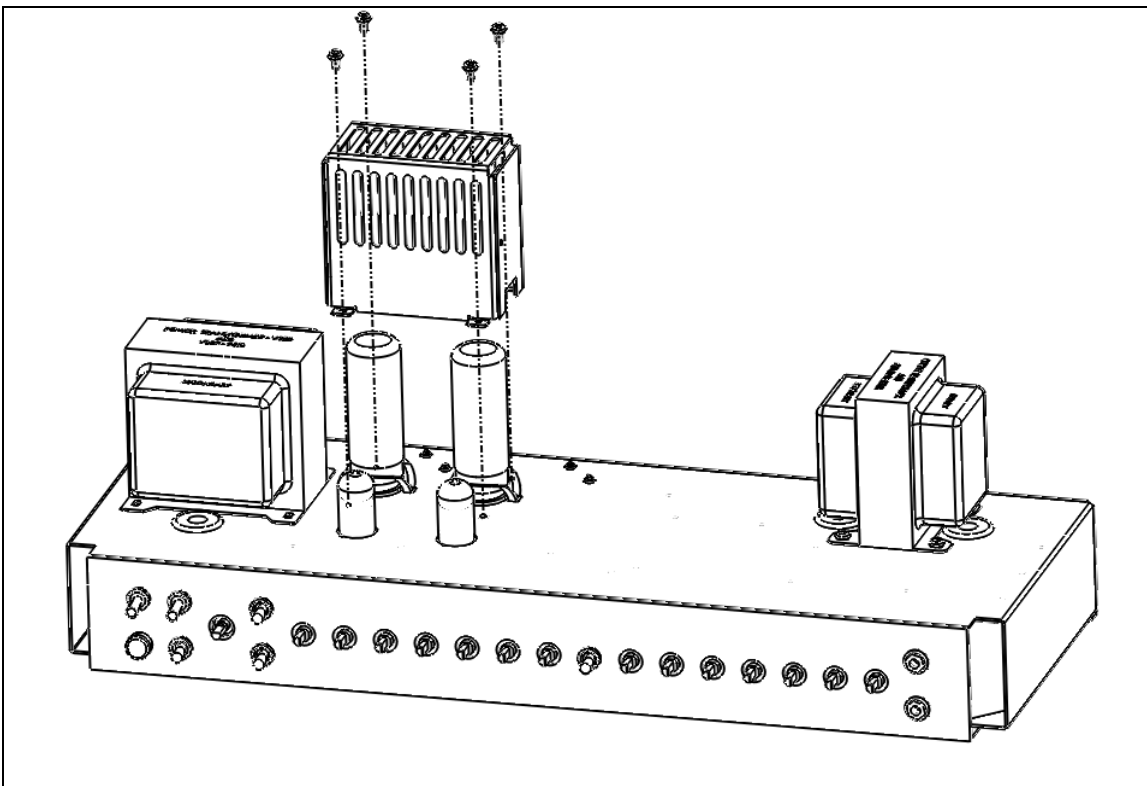
STEP 42C

P/N required:

4 each **30-00-0125** SCREW 8-32 x 5/16 w/LK WASH BLK

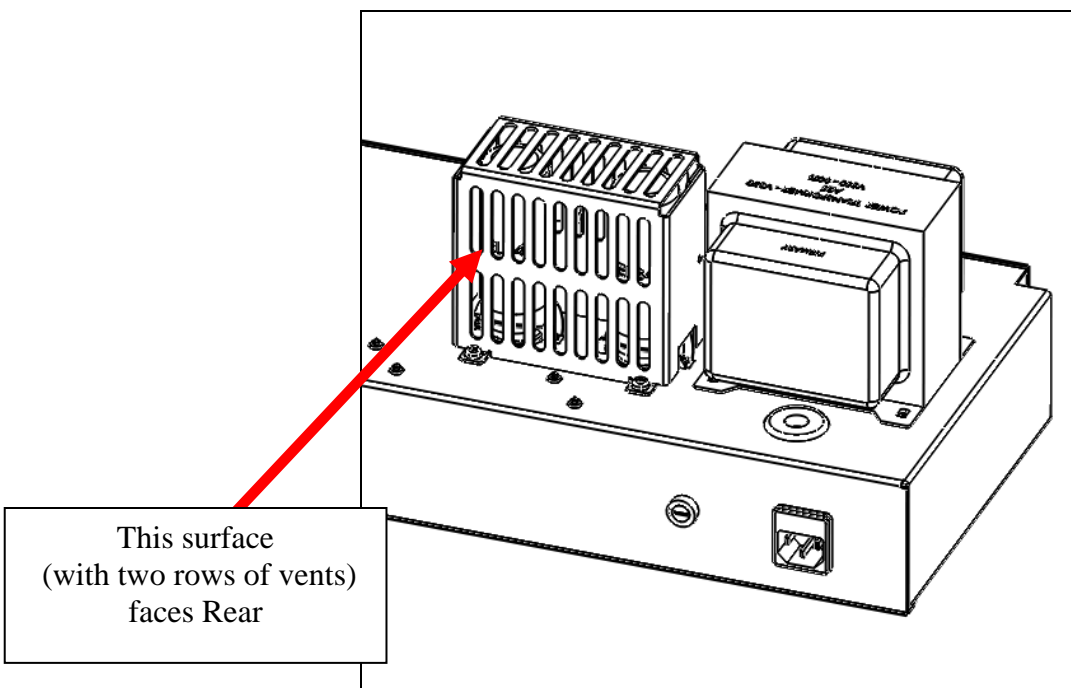
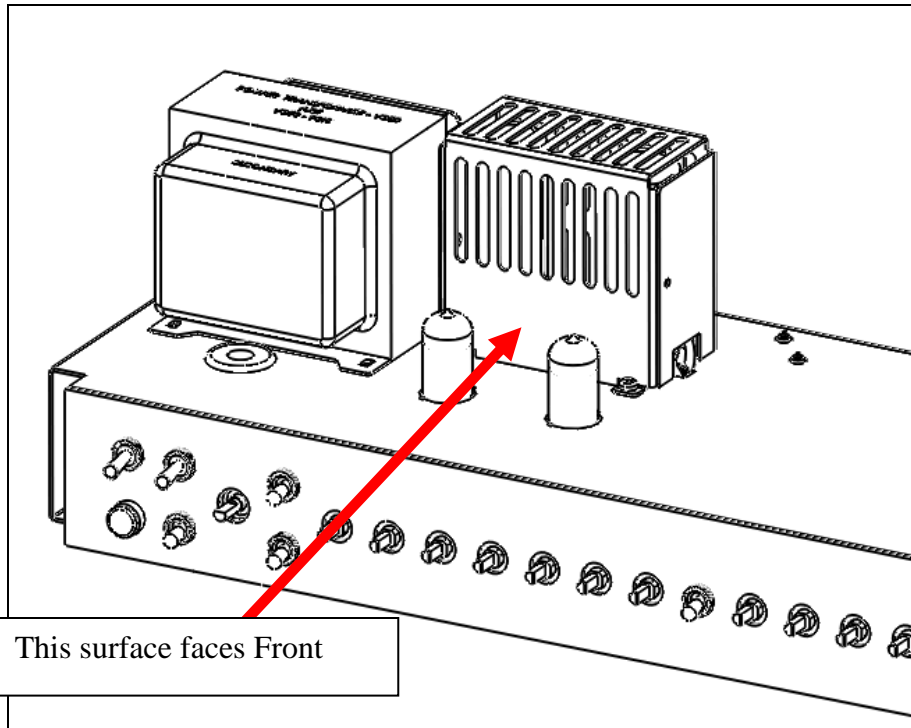
Install TUBE CAGE over tubes using four (4) screws as shown. Torque each SCREW to 8 – 10 inch-pounds.

Apply threadlocker (Loctite p/n 21463 or equivalent) to the threads of the SCREWS before assembly.



STEP 42C cont'd

Note – Tube Cage shall be oriented as shown below.

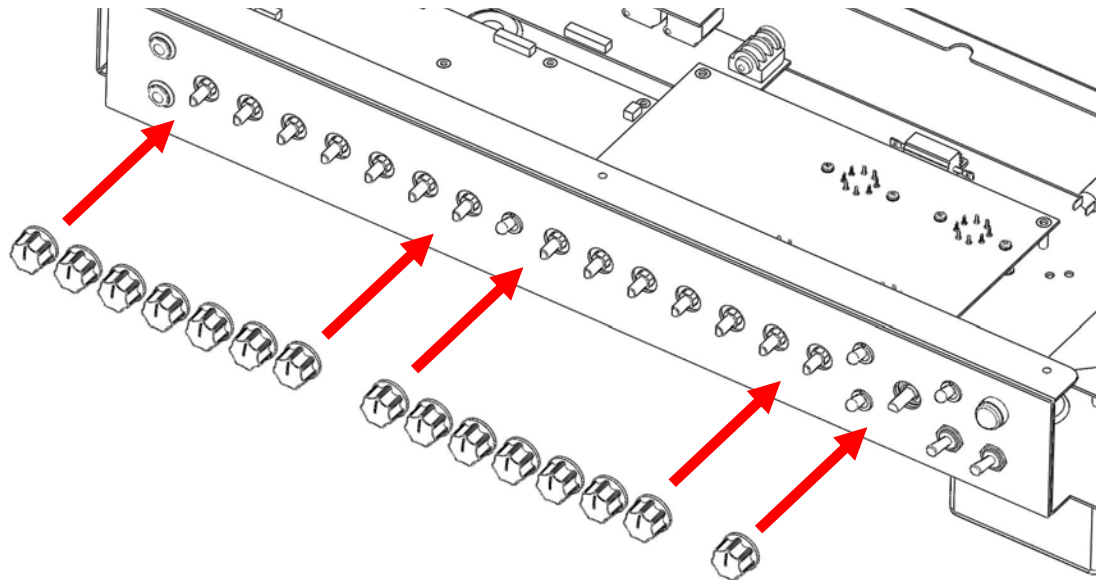


STEP 43

P/N required:

15 each **30-45-0020 KNOB**

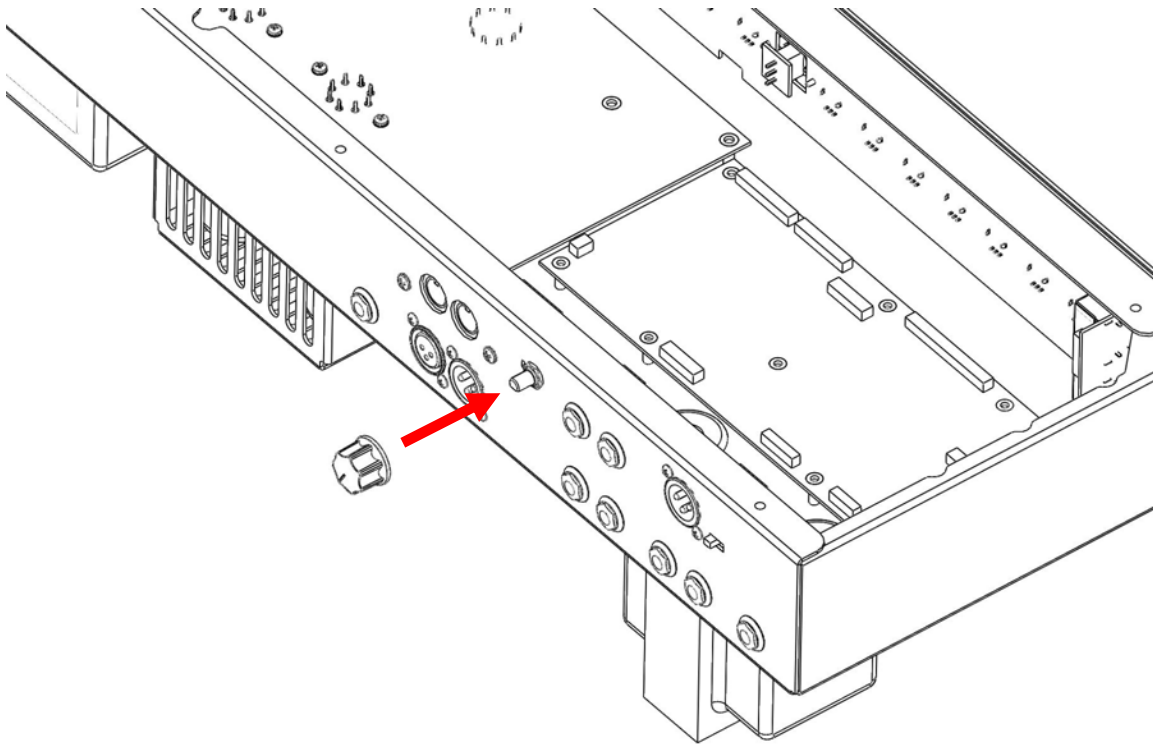
Install the KNOBS over the indicated potentiometer shafts. Press firmly until KNOBS are firmly seated.



STEP 44

P/N required:
1 each **30-45-0020 KNOB**

Install the KNOB over the indicated potentiometer shafts. Press firmly until KNOBS are firmly seated.





STEP 45

FRONT PANEL:

Turn all **KNOBS** fully clockwise as pictured. **POWER** and **STANDBY** switches should be in there off position.

Labeled: “OFF” for **POWER** switch
“STBY” for **STANDBY** switch



REAR PANEL:

Turn “LEVEL” **KNOB** to center (**KNOB** has center indent)

“GND <> LIFT” SWITCH should be in “GND” position as pictured



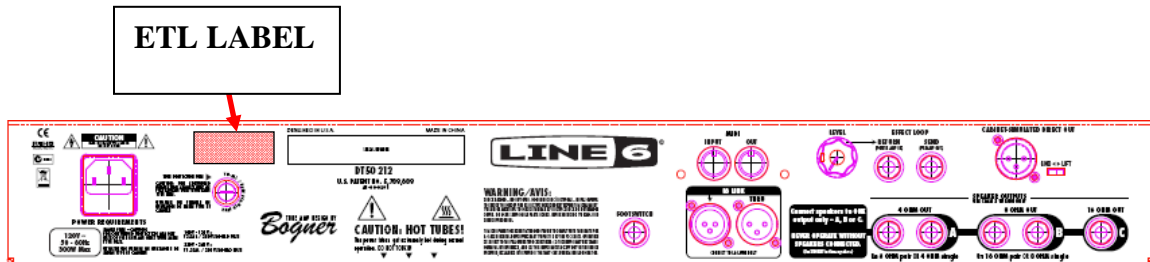


STEP 46

P/N required:
1 each **ETL LABEL**

Apply the ETL LABEL in the approximate location shown.

Note – Line 6 must complete all safety certification testing before the ETL label can be applied. Do not apply ETL label until an ECO has been issued to add the label.



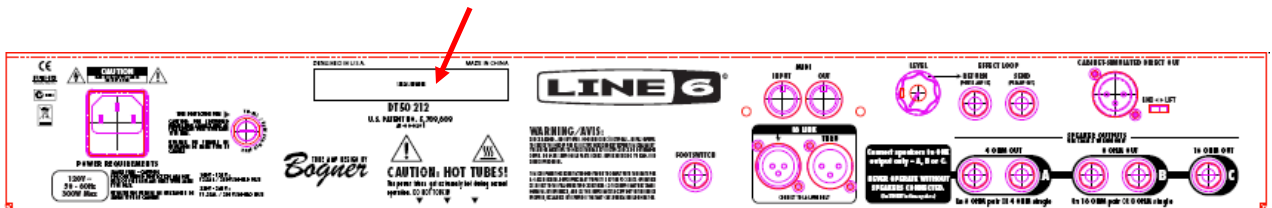


STEP 47

P/N required:

1 each **40-30-0013 LABEL BAR CODE S/N 4-PNL**

Apply the LABEL BAR CODE in the box labeled 'Serial Number' on the silkscreen.





STEP 48

This step deleted on Rev B.



Completed Views (Reference)





Completed Views (Reference)



99-011-0505 - A25-1 DT50 112 US

Level	Item	Part Number	Qty	UOM	Refdes	Find	Rev	Description
1	1	21-37-1160	1					CBL PWR UL/CSA SJT 8.2FT BLK E L-302 w/GND EL70
1	2	40-00-0284	1				A	MANUAL USER VETTA A25
1	3	40-00-0294	1	EA			A	GUIDE POP-TOP DT50 A25
1	4	40-00-1000	1				H	CARD WARRANTY LINE 6
1	5	40-01-0016	1				D	CARD LICENSE-AGREEMNT END-USER ALL-PRODUCTS
1	6	40-03-2000	1				F	CARD REGISTRATION US
1	7	40-03-2000-1	1				A	CARD REGISTRATION EUROPE
1	8	40-10-0360	1				B	CARTON GIFT VETTA 112 A25-1
1	9	40-10-0363	1				B	CARTON SHIPPING VETTA 112 A25-1
1	10	40-15-0022	3					SILICA GEL PACK 3.0" x 3.5"
1	11	40-15-0023	1					ANTISEPTIC PACK (5g/package)
1	12	40-15-0084	4				A	FOAM CORNER PE-LAM 1.5PCF A25
1	13	40-20-0011	1				A	BAG PLASTIC 10 x 16 2 mil
1	14	40-20-0025	1					BAG PLASTIC xx" W x xx" H CLEAR 4 MIL A16-2
1	15	40-25-0024	1				B	STICKER ART SEAL EULA
1	16	40-25-0083	1				4	STICKER CARB WOOD CABINET
1	17	40-25-0233	1				C	LABEL MASTER CARTON MATTE WHITE
1	18	40-30-0013	1				A	LABEL SERIAL NUMBER/ PART NUMBER STANDARD MATTE WHITE
1	19	59-00-0071-5	1	EA			B	ASSY UNIT COMPLETE VETTA SYSTEM 112 US 120V A25-1
2	1	11-20-1212	1					SPEAKER 12" 8 OHM CELESTION T5318
3	1	40-25-0000	1				M	LABEL SPEAKER CELESTION T5291/MM
2	2	21-34-0098-4	1				D	CBL 1/4" RT ANGLE TO DUAL .205 15.5" 18AWG QUICK CONNECT
2	3	30-00-0033	4					SCREW 10-24 x7/8 TRUSS HD PHH BLK
2	4	30-00-0253	10				A	SCREW WOOD #10 X 30MM OVAL HEAD STEEL BLK OXIDE
2	5	30-00-1129	4					SCREW 10-32 x 1-1/4 OVAL CTSK PB STL w/PILOT TIP
2	6	30-00-9358	2					SCREW #3 x1/2 IN OVAL PHILLIPS BLACK (SUB FOR 30-00-0358)
2	7	30-03-0035	4					WASHER #10 SPLIT LK WASH ZINC
2	8	30-03-0112	14					WASHER FINISHING #10 FLANGED STL BLK OXIDE
2	9	30-03-1010	4					WASHER #10 FLAT .20-.25 ID, .45-.55 OD, .04-.05 THK ZINC
2	10	30-60-0015	1				X2	LOGO LINE6 CLEAR ACRYLIC A25
2	11	40-25-0020	1	EA			A	LABEL INSPECTION QUALITY
2	12	50-03-0083	1				A	ASSY CAB VETTA SYSTEM 112 A25-1
3	1	30-00-0122	4					SCREW 10-24 x 0.7 OVH PHILLIPS NI PLD / CRM
3	2	30-00-0179	4					SCREW WOOD #10 x 1-1/2-IN PHP BLK OR ZINC
3	3	30-00-0252	16				A	SCREW WOOD #10 X 30MM PAN HEAD STEEL BLK OXIDE
3	4	30-06-1024	8					NUT-T 10-24 X 5/16 STEEL
3	5	30-27-0515	1				A	PIPING GOLD LARGE A25
3	6	30-27-0517	1				X0	PIPING CABINET A25 SMALL GOLD
3	7	30-36-0012	1				A	VINYL WRAP A25
3	8	30-39-0027	1				A	GRILL CLOTH A25
3	9	30-57-0001	1				A	HANDLE CABINET PVC BLACK W/CHROME BRACKETS
3	10	30-63-0059-1	2				A	FOAM STRIP W/ADHESIVE 2.8 INCH LONG
3	11	30-63-0059-2	1				A	FOAM STRIP W/ADHESIVE 22.5 INCH LONG
3	12	30-75-0062	4					RUBBER FOOT 1.6" O.D. x 1.0"H BLACK

3	13	40-25-0083	1			4	STICKER CARB WOOD CABINET
2	13	50-04-0091-5	1			B	ASSY E/M CHASSIS VETTA SYSTEM 112 A25-1 US
3	1	11-30-0044	1	EA			XFMR POWER VETTA SYSTEMS 100/120VAC - A25
3	2	24-19-0050	1	EA		X0	FUSE 5A 250V 5MM X 20MM TIME LAG VDE CERTIFIED
3	3	50-04-0091	1	EA		E	ASSY E/M CHASSIS VETTA SYSTEM 112 A25-1
4	1	01-23-0151	1	EA			RES WIREWOUND 150R 25W 1% TH
4	2	01-23-1103	1	EA		X0	RES WIREWOUND 10K 25W 5% CHASSIS MOUNT
4	3	11-02-0003	1	EA			VALVE EL-34 MATCHED PAIR
4	4	11-02-0007	2	EA		X0	VALVE DT50 APPROVED 12AX7
4	5	11-33-0002	1	EA			XFMR OUTPUT 3500 OHM IMPEDANCE A25
4	6	21-34-0007-5	1	EA		E	CBL SIL 4 COND 26AWG 2 X 16" F-F RED
4	7	21-34-0085-5	1			E	CBL ASSY 5 COND 26AWG F/F X 3 "
4	8	21-34-0086-2	1	EA		E	CBL ASSY 8 COND 26AWG F/F X 18"
4	9	21-34-0087-3	1	EA		G	CBL ASSY 10 COND 26AWG F/F X 18.0" WHITE
4	10	21-34-0087-4	1			G	CBL ASSY 10 COND 26AWG F/F X 4.0" WHITE
4	11	21-34-0095	1	EA		D	CBL SIL 3 COND 18AWG 3 PIN 5.5" x .156" PITCH WHITE
4	12	21-34-0111-2	1			D	CBL ASSY 6 COND 26AWG F/F X 5"
4	13	21-34-0114-3	2	EA		B	CBL ASSY 2 PIN SIL 17.0" 26AWG SHLD
4	14	21-34-0135-1	1	EA		E	CBL ASSY 18AWG 3 PIN SIL 4" x 5" x .250 RCPT WHITE/BLK
4	15	21-34-0153	1	EA		A	CBL ASSY 14 COND 26AWG F/F X 12" WHITE
4	16	21-34-0156	2	EA		C	CBL ASSY WITH RESISTOR
4	17	21-34-0165	1	EA		B	CBL DIL RIBBON 16 PIN RIBBON 28AWG .100 X 2.75" F-F
4	18	21-34-1023-1	2	EA		F	CBL FSTN .205-RCPT/.250-RCPT 1-COND 18AWG 8" BLK
4	19	21-34-1023-2	1	EA		F	CBL FSTN .205-RCPT/.250-RCPT 1-COND 18AWG 8" WHT
4	20	21-34-1023-4	1	EA		F	CBL FSTN .205-RCPT/.250-RCPT 1-COND 18AWG
4	21	21-34-1025-1	1	EA		C	CBL FSTN .250-RCPT/.250-RCPT 1-COND 18AWG 12" BLK
4	22	21-34-9034-3	1	EA		F	CBL DIL RIBBON 34 COND 28AWG . 100 X 3" F-F
4	23	21-48-0004	1	EA			HOLDER FUSE PANEL MOUNT SHOCK SAFE 500V
4	24	21-48-0005	1	EA			FUSE CAP No. 816 FOR 6.3 x 32M M
4	25	24-03-0008	1	EA			SWITCH TOGGLE DPST ON-OFF SHOR T BAT 250V 10A 2 X QC PNL MNT (VDE APPROVED)
4	26	24-03-0013	1	EA		X0	SWITCH TOGGLE SPST ON-OFF SHORT BAT 250V 10A 2XQC PNL MNT - VDE APPROVED
4	27	24-19-0010	1	EA			FUSE 1.0A 250V SLOW BLOW 3AG
4	28	30-00-0042	6	EA			SCREW SHEET METAL 4 x 0.375 IN SELF-TAP PPB
4	29	30-00-0043	10	EA		A	SCREW 6-32 X 5/16 LG WITH LOCK WASHER PHIL PAN ZINC-PLATED STEEL
4	30	30-00-0125	8				SCREW 8-32 x 5/16 W/LK WASH PP H BLK STL
4	31	30-00-0128	2	EA			SCREW 6-32 x .375 W/LK WASH PP H BLK
4	32	30-00-0137	4	EA			SCREW 4-40 x .3125 w/LK WASH PAN HD PHIL BLK
4	33	30-00-0150	14	EA			SCREW 4-40 x .3125 w/LK WASH PAN HD PHIL ZINC
4	34	30-00-0269	4	EA		A	SCREW 8-32 X 0.5 PHP W/EXT. TOOTH WASHER STL/ZNC
4	35	30-00-0375	2	EA			SCREW 6-32 x .375 PPB
4	36	30-03-1010	8	EA			WASHER #10 FLAT .20-.25 ID, .45-.55 OD, .04-.05 THK ZINC
4	37	30-06-0017	1	EA			NUT HEX 10x2mm THR=M7x0.75 STL ZN
4	38	30-06-0032	6	EA		A	NUT ROUND DRESS 15/32-32 UNS-2B .562"OD
4	39	30-15-0004	8	EA		A	SPACER .13 THICK x .63OD NYLON
4	40	30-15-0041	2	EA		A	SPACER .11 THICK x .63OD ABS B LK

4	41	30-15-0042	2	EA		A	SPACER .75 OD x .50 ID x .17 HT ABS BLK
4	42	30-21-0014	2	EA		A	RETAINER TUBE CLAMP STYLE
4	43	30-24-0030	17	EA			CABLE TIE 4.0" LONG BLACK
4	44	30-27-0507	1	EA		A	LIGHT GUIDE 1 ABS BLK A25
4	45	30-27-0508	1	EA		A	LIGHT GUIDE 2 ABS BLK A25
4	46	30-27-0509	1	EA		A	LIGHT GUIDE 3 ABS BLK A25
4	47	30-42-0067-1	1	EA		A	OVERLAY FRONT 22.8 X 3.0 X 0.06 CLEAR POLYCARBONATE 112 (A25-1)
5	1	41-00-0293	1			C	ARTWORK SILKSCREEN OVERLAY FRONT VETTA 112 A25-1
4	48	30-45-0020	16	EA		E	KNOB 0.84 DIA X 0.6 HIGH UREA PHENOLIC BLACK A15 & A23
4	49	30-51-0514-1	1	EA		A	CHASSIS 24.3 X 8.8 X 3.0 STEEL A25 112
5	1	41-00-0291	1			E	ARTWORK SILKSCREEN REAR CHASSIS VETTA 112 A25-1
4	50	30-51-0519	1	EA		A	TUBE CAGE 4.0" X 4.5" X 2.2" ALUMINUM BLK A25
4	51	30-51-0526	1	EA		X0	LENS JEWEL D.610 X H.654" METAL BASE W/NUT RED
4	52	30-63-0600-6	2	EA		E	FOAM W/ADHESIVE 3.25" X 0.25" X 0.06" VOLARAPOLEFIN
4	53	30-63-0600-7	2	EA		E	FOAM W/ADHESIVE 4.6" X 0.25" X 0.06" VOLARAPOLEFIN
4	54	40-25-0148	1	EA		A	LABEL ETL RYDER 2"X 1" INTERTEK
4	55	40-25-0318	1			B	STICKER FRENCH WARNING DT50 CHASSIS A25
4	56	40-30-0013	1			A	LABEL SERIAL NUMBER/ PART NUMBER STANDARD MATTE WHITE
4	57	50-00-0001	1	EA		A	ASSY RECEPTACLE-A/C W/GND WIRE SNAP-IN
5	1	21-14-0002	1				JACK IEC w/FUSE MALE 3 PIN PAN EL MOUNT SNAP IN VERT
5	2	21-34-1116	1			C	CBL EARTHING w/EYELET 16AWG 5" GREEN w/YELLOW STRIPE
4	58	50-02-0380	1	EA		B	PCBA VETTA SYSTEM MAIN A25
5	1	01-24-0000	4		R46,R116-R118		RES OR 1% 0805
5	2	01-25-0000	9		R50,R55,R57,R64,R123,R130,R132,R134-R135		RES OR 1% 0603
5	3	01-25-1001	23		R38-R39,R60-R61,R74,R106-R115,R124,R136,R141-R142,R145,R147-R148,R157		RES 1.00K 1% 0603
5	4	01-25-1002	9		R2-R4,R6,R143-R144,R146,R149,R151		RES 10.0K 1% 0603
5	5	01-25-1004	1		R202	A	RES 1.00M 1% 0603
5	6	01-25-10R0	2		R81,R89	A	RES 10.0R 1% 0603
5	7	01-25-1100	1		R129		RES 110R 1% 0603
5	8	01-25-1372	4		R16-R19		RES 13.7K 1% 0603
5	9	01-25-1501	4		R40-R43	A	RES 1.50K 1% 0603
5	10	01-25-1582	1		R150		RES 15.8K 1% 0603
5	11	01-25-1621	2		R33-R34	A	RES 1.62K 1% 0603
5	12	01-25-1691	1		R75	A	RES 1.69K 1% 0603
5	13	01-25-2001	2		R23,R30	A	RES 2.00K 1% 0603
5	14	01-25-2210	8		R88,R99-R105	A	RES 221R 1% 0603
5	15	01-25-2210	1		R153	A	RES 2.21K 1% 0603
5	16	01-25-22R1	2		R76,R90	A	RES 22.1R 1% 0603
5	17	01-25-4421	4		R26-R29		RES 4.42K 1% 0603

5	18	01-25-4751	49	R1,R8-R10,R12-R14,R21-R22,R47-R48,R51,R54,R56,R58-R59,R67-R70,R73,R77-R80,R82-R87,R91-R98,R119-R122,R125-R128,R154,R158		RES 4.75K 1% 0603
5	19	01-25-4752	1	R152		RES 47.5K 1% 0603
5	20	01-25-47R5	1	R187		RES 47.5R 1% 0603
5	21	01-25-5R11	1	R5		RES 5.11R 1% 0603
5	22	01-25-6811	4	R15,R20,R24-R25		RES 6.81K 1% 0603
5	23	01-25-68R1	13	R7,R31,R35,R44-R45,R62-R63,R65-R66,R72,R137-R139		RES 68.1R 1% 0603
5	24	01-25-6981	2	R52-R53		RES 6.98K 1% 0603
5	25	01-25-90R9	2	R36-R37		RES 90.9R 1% 0603
5	26	01-28-R221	4	R11,R32,R71,R131		RES 0.22R 1% 1206
5	27	03-50-0102	2	C32-C33	B	CAP NPO 1nF 50V 5% 0805
5	28	03-50-0272	5	C43,C47-C50		CAP NPO 2.7nF 50V 5% 0805
5	29	03-56-0101	1	C116		CAP NPO 100pF 50V 5% 0603
5	30	03-56-0180	4	C117-C118,C141-C142		CAP NPO 18pF 50V 5% 0603
5	31	03-56-0221	5	C12-C15,C68		CAP NPO 220pF 50V 5% 0603
5	32	03-58-0102	21	C19-C20,C22,C25-C26,C37-C38,C45,C52,C54,C65-C66,C78,C86-C88,C91,C94-C95,C126-C127		CAP X7R 1nF 50V 10% 0603
5	33	03-58-0103	2	C4,C83		CAP X7R 10nF 50V 10% 0603
5	34	03-58-0104	65	C1,C3,C5-C9,C17-C18,C21,C23-C24,C28-C30,C34-C35,C39,C41-C42,C46,C51,C53,C55,C61-C62,C64,C67,C72-C73,C79-C81,C84,C89-C90,C92,C98-C100,C102-C109,C111-C115,C119-C120,C123-C125,C129-C134,C144		CAP X7R 0.1uF 25V 10% 0603
5	35	03-80-0107	6	C2,C10,C56-C57,C97,C128		CAP ELEC 100uF 10V 20% SM 6.3/5.4/7.8
5	36	03-80-0158	2	C31,C36		CAP ELEC 1500UF 6.3V 20% 105C LOW-ESR 0.06R SM 10/10.2/12
5	37	03-80-0476	1	C147		CAP ELEC 47uF 10V 20% SM 5/5.4/6.5
5	38	03-80-1476	4	C96,C110,C143,C149		CAP ELEC 47uF 6.3V 20% SM 5.5/4/5.4
5	39	03-80-1477	4	C11,C27,C40,C63		CAP ELEC 470uF 6.3V 20% VS SM
5	40	03-82-0106	13	C16,C58-C59,C69-C71,C74-C77,C121-C122,C148		CAP ELEC 10uF 16V 20% SM 4/5.4/5.5
5	41	03-82-0477	1	C85		CAP ELEC 470uF 16V 20% SM 10/10.2/12
5	42	03-84-0106	6	C60,C136-C140		CAP ELEC 10uF 25V 20% SM 5/5.4/6.5
5	43	04-01-0004	1	L2		INDUCTOR CHOKO 150uH 0.4R 1A SM SHIELDED
5	44	06-20-0099	1	D3		DIODE GEN PUR DUAL 70V 215mA 6nS SOT-23 SM
5	45	06-32-0130	1	D1		DIODE SCHOTTKY 1A 30V SMB SM
5	46	06-34-0031	1	D2		DIODE GEN PUR DUAL 120V 600mA 50nS SOT-23 SM

5	47	09-10-4401	16		Q1-Q12,Q14,Q18-Q20		TRANS NPN SMALL SIGNAL SOT-23 SM
5	48	09-10-4403	3		Q13,Q15-Q16		TRANS PNP SMALL SIGNAL SOT-23 SM
5	49	11-00-0012	1		X1		CRYSTAL 12MHz SM HC49 FOXSDLF
5	50	11-00-1003	1		X2		CRYSTAL 24.576MHz HC49S 2PIN SM
5	51	11-10-2012	1		L1		FERRITE BEAD 600R @ 100MHz 300 mA 0805 SM
5	52	12-00-7808	1		U16		IC REG +8V 1A TO-220 TH
5	53	12-01-7908	1		U17		IC REG -8V 1.5A TO-220 TH
5	54	12-02-7805	2		U6,U15		IC REG +5V 1.5 AMP TH
5	55	12-50-0431	1		Q17		IC REG ADJ PREC SHUNT 36V SOT2 3-5 SM
5	56	12-52-1119	1		U4	A	IC VREG LINEAR LDO ADJ 800MA LM1117 DPAK TO-252 SMD
5	57	12-54-0074	1		U1		IC OP AMP TL074 SM
5	58	12-64-4243	1		U2		IC CODEC TDM 108dB 192KHz 6- IN 6-OUT CS42436 SM
5	59	15-62-0165	2		U18-U19		IC 74HC165 PARALLEL LOAD SHIFT REGISTERS 8 BIT SO-16 SM
5	60	15-64-0541	1		U14		IC 74HCT541 OCTAL BUFFER LINE DRIVER 3 STATE SOT-20 SM
5	61	15-65-0595	1		U13		IC 74LVC595A OCTAL SHIFT REGGISTER SO-16 SM
5	62	15-65-1000	1		U3		IC 74LVC00 LOW VOLTAGE QUAD 2 INPUT NAND GATE 5V TSSOP-14 SM
5	63	15-68-2374	1		U8		IC PWM DC/DC CONVERTER DMP8 SM
5	64	15-70-0002	2		U10-U11		IC SDRAM 3.3V 64MB 1M x 16 x 4 TSOP-54 SM
5	65	15-86-2369	1		U5		IC DSP SHARC PROCESSOR 32 BIT ADSP-21369 LQFP208EP SM
5	66	15-92-5809	1		U12		IC RESET 3 PIN 3.3V ACTIVE LOW OUTPUT SOT-23 SM
5	67	21-20-0008	1		H15		HDR SIL PCB-MT 8 PIN X 2MM MALE SHRD
5	68	21-20-0203	1		H10		HDR SIL PCB-MT 3 PIN x 2MM MAL E SHRD VERT MT TH
5	69	21-20-0204	1		H9		HDR SIL PCB-MT 4 PIN x 2MM MAL E SHRD VERT MT TH
5	70	21-20-0205	1		H2		HDR SIL PCB-MT 5 PIN x 2MM MAL E SHRD VERT MT TH
5	71	21-20-0206	1		H1		HDR SIL PCB-MT 6 PIN x 2MM MAL E SHRD VERT MT TH
5	72	21-20-0210	2		H12,H16		HDR SIL PCB-MT 10 PIN x 2MM MA LE SHRD VERT MNT TH
5	73	21-20-0214	1		H14		HDR SIL PCB-MT 14 PIN x 2MM MA LE SHRD VERT MNT TH
5	74	21-20-1033	1		H13		HDR DIL PCB-MT 34 PIN 2 x 17 x .100 MALE SHRD VERT MT TH
5	75	21-20-1563	1		H11		HDR SIL PCB-MT 3 PIN x 3.96MM MALE VERT MNT FRIC LOCK
5	76	21-21-0016	1	EA	H5		HDR DIL PCB-MT 16 PIN 2 x 8 x .100 MALE SHRD VERT MNT TH
5	77	24-10-0003	1		SW1		SWITCH DIP LOW PROFILE SPST 2 POS SM
5	78	24-15-0016	1		K1		RELAY DPDT MINIATURE LOW SIGNAL 5V NON LATCH COILRES=178
5	79	30-00-0043	1			A	SCREW 6-32 X 5/16 LG WITH LOCK WASHER PHIL PAN ZINC-PLATED STEEL
5	80	30-12-2210	1				STANDOFF HEX .250 6-32 F-F .500 LG AL
5	81	35-00-0380	1			B	PCB VETTA SYSTEM MAIN A25
5	82	45-02-0063	1	EA	U7	B	IC PROGRAMMED FLASH VETTA MAIN A25
6	1	15-78-2532	1	EA			IC FLASH 32Mbit SPI SERIAL SOIC-8 200mil SM
5	83	45-02-0064	1	EA	U9	B	IC PROGRAMMED MCU VETTA MAIN A25
6	1	15-84-2134	1	EA			IC MCU 16/32BIT ARM7TDMI W/ 128KB FLASH 16K SRAM LQFP64 SM
4	59	50-02-0381	1	EA		B	PCBA VETTA SYSTEM FX/DIRECT/MIDI A25
5	1	01-24-1002	8		R6,R14-R15,R17,R19-R22		RES 10.0K 1% 0805
5	2	01-24-1004	1		R24		RES 1.00M 1% 0805
5	3	01-24-1371	4		R2-R3,R12,R16		RES 1.37K 1% 0805
5	4	01-24-2210	3		R4-R5,R7		RES 221R 1% 0805
5	5	01-24-3320	2		R8,R11		RES 332R 1% 0805
5	6	01-24-4750	1		R13		RES 475R 1% 0805
5	7	01-24-4752	1	EA	R23		RES 47.5K 1% 0805

5	8	01-24-6191	2		R9-R10		RES 6.19K 1% 0805
5	9	01-24-8250	1		R18		RES 825R 1% 0805
5	10	01-49-0022	1		R1		POT DUAL 100KA AUDIO TAPER W/ CENTER DETENT 15MM TH
5	11	03-18-0106	2	EA	C7,C22		CAP ELEC 10uF 50V 20% RADIAL 5/11/5
5	12	03-52-0101	1		C20		CAP X7R 100pF 50V 10% 0805
5	13	03-56-0101	3		C12,C14-C15		CAP NPO 100pF 50V 5% 0603
5	14	03-56-0102	5		C11,C13,C16-C17,C19		CAP NPO 1nF 50V 5% 0603
5	15	03-58-0102	2		C1-C2		CAP X7R 1nF 50V 10% 0603
5	16	03-58-0104	8		C3-C6,C8-C10,C18		CAP X7R 0.1uF 25V 10% 0603
5	17	06-23-0054	1		D1		DIODE SCHOTTKY DUAL 30V 200mA 5nS SOT-23 SM
5	18	06-34-0016	1		D2		DIODE SWITCHING 75V 200mA 6nS SOT-23 SM
5	19	11-10-2012	12		L1-L12		FERRITE BEAD 600R @ 100MHz 300 mA 0805 SM
5	20	12-54-0074	1		U2		IC OP AMP TL074 SM
5	21	15-40-6138	1		U3		IC OPTO ISOLATOR 6N138 DIP 8 P IN TH
5	22	15-64-0014	1		U1		IC 74HCT14 HEX INVERTER 6 SM
5	23	21-00-6617	2		J4-J5		JACK 1/4" TRS PCB MOUNT 6 PIN HORIZONTAL W/CHROME HRDWARE TH
5	24	21-04-5075	2		J2-J3		JACK DIN FEMALE MIDI 5 PIN PCB MOUNT RT ANGLE
5	25	21-08-0013	1		J1		JACK XLR MALE PCB MOUNT RIGHT ANGLE TH
5	26	21-18-0002	2		BR1-BR2		TERMINAL SCREW PCB MOUNT RIGHT ANGLE SNAP-IN 6-32 THREAD
5	27	21-20-0202	1		H2		HDR SIL PCB-MT 2 PIN x 2MM MAL E SHRD VERT MT TH
5	28	21-20-0205	1		H3		HDR SIL PCB-MT 5 PIN x 2MM MAL E SHRD VERT MT TH
5	29	21-20-0206	1		H1		HDR SIL PCB-MT 6 PIN x 2MM MAL E SHRD VERT MT TH
5	30	24-09-0129	1		SW1		SWITCH SLIDE DPDT 4MM 8MM SHAF T HORIZONTAL MNT
5	31	30-18-3030	3		GF1-GF3		CLIP GROUND PCB .30 x .30 x .07
5	32	35-00-0381	1			A	PCB VETTA SYSTEM FX/DIRECT/MIDI A25
4	60	50-02-0382	1	EA		A	PCBA VETTA SYSTEM POWER A25
5	1	50-02-0382-1	1			D	PCBA VETTA SYSTEM POWER AMP/SUPPLY A25
6	1	01-12-0000	1		R72		RES CARBON FILM 0R 1/4W 5% TH
6	2	01-12-0010	1		R38		RES CARBON FILM 1R 1/4W 5% TH
6	3	01-12-0102	1	EA	R41		RES CARBON FILM 1K 1/4W 5% TH
6	4	01-12-0103	2		R33,R35		RES CARBON FILM 10K 1/4W 5% TH
6	5	01-12-0104	2		R73-R74		RES CARBON FILM 100K 1/4W 5% TH
6	6	01-12-0105	3		R22,R27,R30		RES CARBON FILM 1M 1/4W 5% TH
6	7	01-12-0152	1		R32		RES CARBON FILM 1.5K 1/4W 5% TH
6	8	01-12-0303	1		R50		RES CARBON FILM 30K 1/4W 5% TH
6	9	01-12-0470	1		R10		RES CARBON FILM 47R 1/4W 5% TH
6	10	01-12-0471	2		R49,R65		RES CARBON FILM 470R 1/4W 5% TH
6	11	01-12-0473	1		R21		RES CARBON FILM 47K 1/4W 5% TH
6	12	01-12-0683	1		R15		RES CARBON FILM 68K 1/4W 5% TH
6	13	01-16-0101	2		R3,R11		RES CARBON FILM 100R 1/2W 5% TH
6	14	01-17-0103	2		R37,R68		RES CARBON FILM 10K 1W 5% TH
6	15	01-17-0104	4		R17,R20,R26,R29		RES CARBON FILM 100K 1W 5% TH
6	16	01-17-0105	1		R67		RES CARBON FILM 1M 1W 5% TH
6	17	01-17-0153	1		R36		RES CARBON FILM 15K 1W 5% TH
6	18	01-17-0182	1		R46		RES CARBON FILM 1.8K 1W 5% TH
6	19	01-17-0184	2		R16,R25		RES CARBON FILM 180K 1W 5% TH
6	20	01-17-0222	2		R7,R14		RES CARBON FILM 2.2K 1W 5% TH

6	21	01-17-0224	2		R12-R13		RES CARBON FILM 220K 1W 5% TH
6	22	01-17-0243	1		R18		RES CARBON FILM 24K 1W 5% TH
6	23	01-17-0471	1		R34		RES CARBON FILM 470R 1W 5% TH
6	24	01-17-0472	1		R45		RES CARBON FILM 4.7K 1W 5% TH
6	25	01-17-0913	1		R19		RES CARBON FILM 91K 1W 5% TH
6	26	01-21-0103	1		R23	A	RES METAL FILM 10K 1W 1% TH
6	27	01-22-0243	1		R24	A	RES METAL FILM 24K 2W 1% TH
6	28	01-23-0102	2		R5-R6		RES WIREWOUND 1K 7W 5% TH
6	29	01-23-0104	1		R28		RES METAL OXIDE 100K 3W 5% TH
6	30	01-23-01R0	2		R8-R9		RES WIREWOUND 1R 3W 1% TH
6	31	01-23-0820	2		R1-R2		RES METAL OXIDE 82R 7W 5% TH STRAIGHT LEAD
6	32	01-23-2701	1		R31		RES WIREWOUND 270R 10W 5% TH
6	33	01-24-0000	3		R48,R60,R70		RES OR 1% 0805
6	34	01-24-1003	6		R39-R40,R43-R44,R62,R64		RES 100K 1% 0805
6	35	01-24-1004	4		R54,R57,R59,R63		RES 1.00M 1% 0805
6	36	01-24-1242	1		R56		RES 12.4K 1% 0805
6	37	01-24-4321	1		R47		RES 4.32K 1% 0805
6	38	01-24-4992	1		R55		RES 49.9K 1% 0805
6	39	01-25-1000	2		R51-R52		RES 100R 1% 0603
6	40	01-28-R221	1	EA	R42		RES 0.22R 1% 1206
6	41	01-52-0203	1		VR1		POT TRIM 20K SINGLE TURN 1/4 SQ V/ADJ
6	42	03-00-0104	2		C8,C23		CAP CER DISC 0.1uF 50V 20% TH
6	43	03-00-0472	1		C13		CAP CER DISC 4.7nF 1KV Y5P 10MM-LS TH
6	44	03-00-1222	2	EA	C1,C3		CAP CER DISC 2200PF 3KV 10% TH
6	45	03-00-2223	1		C28		CAP POLY FILM 22nF 600V 10% TH
6	46	03-00-3470	1		C16		CAP CER DISC SL 47pF 1KV 5% TH 6.5/6.0/6.35
6	47	03-00-4723	2		C11-C12		CAP POLY FILM 47NF 600V 10% TH
6	48	03-10-0338	1		C22		CAP ELEC 3300uF 6.3V 20% RADIAL 10/20/5
6	49	03-12-0476	2		C37,C41		CAP ELEC 47uF 16V 20% RADIAL 6.3/11.2/5
6	50	03-12-0688	1		C27		CAP ELEC 6800uF 16V 20% RADIAL
6	51	03-14-0228	1		C26		CAP ELEC 2200uF 25V 20% RADIAL 12.5/25/5
6	52	03-16-0108	1		C43		CAP ELEC 1000uF 35V 20% RADIAL
6	53	03-18-0106	2		C19,C25		CAP ELEC 10uF 50V 20% RADIAL 5/11/5
6	54	03-18-0227	1		C6		CAP ELEC 220uF 50V 20% RADIAL 10/12.5/5
6	55	03-22-1476	2		C2,C10		CAP ELEC 47UF 500V 20% RADIAL 25/22/10
6	56	03-23-0101	1		C21		CAP ELEC 100uF 160V RADIAL
6	57	03-23-0121	2		C9,C18		CAP ELEC 120uF 350V RADIAL
6	58	03-23-0220	1		C15		CAP ELEC 22uF 160V RADIAL
6	59	03-23-0221	2		C7,C17		CAP ELEC 220uF 350V RADIAL
6	60	03-24-4104	1		C34		CAP MET POLY 0.1UF 400V 10% TH 8/5/15
6	61	03-24-4474	1		C32		CAP MET POLY 0.47UF 250V 10% TH 12/8.5/15
6	62	03-50-0103	1		C30		CAP NPO 10000PF 16V 5% 0805
6	63	03-52-0104	4		C24,C29,C33,C38		CAP X7R 0.1uF 50V 10% 0805
6	64	03-53-0226	1	EA	C45		CAP X5R 22uF 6.3V 20% 0805
6	65	03-58-0104	1		C31		CAP X7R 0.1uF 25V 10% 0603
6	66	03-58-0106	1	EA	C44		CAP X7R 1.0uF 16V 10% 0603

6	67	06-00-4148	9		D3-D4,D12-D14,D16,D19,D25,D32		DIODE SMALL SIGNAL 100V 300mA 4nS DO-35 TH
6	68	06-01-4002	8	EA	D17-D18,D20,D22,D26-D29		DIODE RECTIFIER 1N4002 100V 1A DO-41 TH
6	69	06-01-4007	14		D1-D2,D5-D11,D15,D33-D36		DIODE RECTIFIER 1N4007 1KV 1A DO-41 TH
6	70	06-23-0054	3		D21,D23-D24		DIODE SCHOTTKY DUAL 30V 200mA 5nS SOT-23 SM
6	71	12-02-2940	1		U1		IC REG +5V 1.0A LOW DROPOUT TO -220 TH
6	72	12-54-0074	1		U2		IC OP AMP TL074 SM
6	73	15-98-0001	1		R58		IC POT DIGITAL NON-VOL DUAL 50K SPI 2.7-5.5V 7BIT 129 14TSSOP SM
6	74	21-18-0007	2		V3-V4		TUBE SOCKET BELTON VT9-PT
6	75	21-18-0009	2		V1-V2		TUBE SOCKET BELTON VT8-PTS 8 PIN TH OVAL MNT HOLE SHORT LL
6	76	21-18-0250	5		H1,H4-H5,H11-H12		CONN TAB FAST TIN PCB .250" x .032" MALE TH
6	77	21-20-0202	2		H8,H15		HDR SIL PCB-MT 2 PIN x 2MM MAL E SHRD VERT MT TH
6	78	21-20-0204	1		H14		HDR SIL PCB-MT 4 PIN x 2MM MAL E SHRD VERT MT TH
6	79	21-20-0214	1		H17		HDR SIL PCB-MT 14 PIN x 2MM MA LE SHRD VERT MNT TH
6	80	21-20-1562	2		H3,H19	A	HDR SIL PCB-MT 2 PIN x .156 MA LE VERT MNT FRIC LOCK
6	81	21-20-1563	3		H2,H7,H18		HDR SIL PCB-MT 3 PIN x 3.96MM MALE VERT MNT FRIC LOCK
6	82	21-20-3124	1		H13		HDR SIL PCB-MT 4 PIN x 7.92MM MALE VERT MNT FRIC LOCK
6	83	21-20-3125	1		H6		HDR SIL PCB-MT 5 PIN x .312 MA LE VERT MNT FRIC LOCK
6	84	21-48-9521	4		F1-F2		HOLDER FUSE CLIP
6	85	24-15-0005	6		RE1-RE5,RE11		RELAY DPDT LOW SIGNAL 5V 125 OHM 3A 220VDC
6	86	24-15-0016	5		RE6-RE10		RELAY DPDT MINIATURE LOW SIGNAL 5V NON LATCH COILRES=178
6	87	24-18-4251	1		F2		FUSE 1.6A 250V SLOW BLOW
6	88	24-19-8251	1		F1		FUSE 8.0A 250V 5MMx20MM SLOW BLOW
6	89	30-00-0043	1		HS_SCREW	A	SCREW 6-32 X 5/16 LG WITH LOCK WASHER PHIL PAN ZINC-PLATED STEEL
6	90	30-00-0150	4		J1-J2		SCREW 4-40 x .3125 w/LK WASH PAN HD PHIL ZINC
6	91	30-06-0623	1		HS_NUT		NUT HEX 6-32 w/CAPTIVE STAR-WASHER
6	92	30-12-0011	4		J1-J2		STANDOFF HEX .250 4-40 F-F 0.500-IN AL
6	93	30-51-0057	1		HS1		HEAT SINK BLACK ANODIZED ALUMINUM WAKEFIELD #287-1AB
6	94	35-00-0382-1	1			A	PCB VETTA SYSTEM POWER AMP/SUPPLY A25
5	2	50-02-0382-2	1			A	PCBA VETTA SYSTEM AC FILTER A25
6	1	03-00-1102	2		C4-C5		CAP CER DISC Y-CAP 1nF 250VAC 20% 8D/7/7.5
6	2	03-41-0224	1		C20		CAP X-CAP 0.22uF 275VAC 20% POLYPROPYLENE 18/9.5/17.5/15
6	3	11-10-2020	2		L1-L2		CHOKE WIDE BAND 1-5 TURNS
6	4	21-20-3122	1		H16		HDR SIL PCB-MT 2 PIN x 7.92MM MALE VERT MNT FRIC LOCK
6	5	21-20-3123	2		H9-H10		HDR SIL PCB-MT 3 PIN x 7.92MM MALE VERT MNT FRIC LOCK
6	6	35-00-0382-2	1			A	PCB VETTA SYSTEM AC FILTER A25
4	61	50-02-0383	1	EA		A	PCBA VETTA SYSTEM SPEAKER/VETTA/FOOTSWITCH A25
5	1	01-23-2701	1		R15		RES WIREWOUND 270R 10W 5% TH
5	2	01-25-0000	1		R2		RES OR 1% 0603
5	3	01-25-1002	1		R12		RES 10.0K 1% 0603
5	4	01-25-1100	4		R1,R8,R11,R18		RES 110R 1% 0603
5	5	01-25-4250	1		R5		RES 475R 1% 0603
5	6	01-25-54R9	1		R4		RES 54.9R 1% 0603
5	7	01-25-5R11	2		R9-R10		RES 5.11R 1% 0603
5	8	03-44-0331	2	EA	C20-C21	A	CAP NPO 330PF 1000V 5% 1206
5	9	03-46-1104	1		C22	A	CAP X7R .1UF 500V 10% 1812
5	10	03-52-0104	1		C23		CAP X7R 0.1uF 50V 10% 0805

5	11	03-52-0470	1		C24		CAP X7R 47pF 50V 10% 0805
5	12	03-56-0101	1		C6		CAP NPO 100pF 50V 5% 0603
5	13	03-56-0331	4		C1,C3,C16-C17		CAP NPO 330pF 50V 5% 0603
5	14	03-57-0105	2		C7-C8		CAP X5R 1uF 10V 10% 0603
5	15	03-57-1106	1		C25		CAP X5R 10uF 6.3V 20% 0603
5	16	03-58-0104	10		C2,C4-C5,C9,C12-C15,C18-C19		CAP X7R 0.1uF 25V 10% 0603
5	17	04-05-0004	3		L7-L9		FERRITE BEAD 400mA 1500 OMH 0805
5	18	04-05-0013	6		L1-L6		FERRITE BEAD 68R @ 100MHZ 300MA 0603 SM
5	19	06-28-8451	4		D1-D4	A	DIODE ZENER 5.1V 5% 350mW SOT- 23 SM
5	20	06-34-0016	1		D5		DIODE SWITCHING 75V 200mA 6nS SOT-23 SM
5	21	11-33-0000	2		T1-T2		XFMR AUDIO DIGITAL X-MISSION 1:1 W/ CENTER-TAP
5	22	15-40-6137	1		U1		IC OPTO ISOLATOR 6N137 10MBIT DIP 8-PIN TH
5	23	15-65-0004	1		U3		IC 74LVC04 LOW VOLTAGE HEX INV ERTER SO-14 SM
5	24	15-67-3076	1	EA	U2		IC RS-485/422 LINE TRANSCEIVER 3.3V 16MBPS SO-14 SM
5	25	21-00-6617	6		J3-J8		JACK 1/4" TRS PCB MOUNT 6 PIN HORIZONTAL W/CHROME HRDWARE TH
5	26	21-08-0002	1		J2		JACK XLR FEMALE PCB MOUNT RT ANGLE W/NO RELEASE TAB TH
5	27	21-08-0013	1		J1		JACK XLR MALE PCB MOUNT RIGHT ANGLE TH
5	28	21-20-0202	1		H3		HDR SIL PCB-MT 2 PIN x 2MM MAL E SHRD VERT MT TH
5	29	21-20-3124	1		H1		HDR SIL PCB-MT 4 PIN x 7.92MM MALE VERT MNT FRIC LOCK
5	30	21-21-0016	1	EA	H2		HDR DIL PCB-MT 16 PIN 2 x 8 x .100 MALE SHRD VERT MNT TH
5	31	30-18-3030	8		GF1-GF8		CLIP GROUND PCB .30 x .30 x .07
5	32	35-00-0383	1			B	PCB VETTA SYSTEM SPEAKER/VETTA/FOOTSWITCH A25
4	62	50-02-0384	1	EA		A	PCBA VETTA SYSTEM UI LEFT A25
5	1	01-24-2210	17		R1-R13,R16,R41-R43		RES 221R 1% 0805
5	2	01-25-4751	11		R14-R15,R17-R18,R20-R26		RES 4.75K 1% 0603
5	3	01-25-7580	1		R19	A	RES 750R 1% 0603
5	4	01-48-6103	14		R27-R40		POT MONO 10KB LINEAR TAPER 25MM W/9MM NUT D-SHAFT
5	5	03-58-0104	2		C1-C2		CAP X7R 0.1uF 25V 10% 0603
5	6	03-80-0107	2		C3-C4		CAP ELEC 100uF 10V 20% SM 6.3/5.4/7.8
5	7	12-62-4052	2		U1-U2	A	IC SWITCH ANALOG 4052 SO-16 SM
5	8	18-26-0014	22	EA	D1-D21,D25	X0	LED WHITE SMD
5	9	21-20-1033	1		H1		HDR DIL PCB-MT 34 PIN 2 x 17 x .100 MALE SHRD VERT MT TH
5	10	21-34-0029	3		H2-H7	E	CBL ASSY SIL 3 COND .10" SPC 2 .362" LG BOTH ENDS TINNED
5	11	24-03-0100	3		SW1-SW3		SWITCH TOGGLE SPDT MOMENTARY ON-OFF-ON 3 PIN V-MOUNT PCB
5	12	35-00-0384	1			B	PCB VETTA SYSTEM UI LEFT A25
4	63	50-02-0385	1	EA		A	PCBA VETTA SYSTEM UI RIGHT A25
5	1	50-02-0385-1	1			A	PCBA VETTA SYSTEM GUITAR IN A25
6	1	01-24-1004	1		R5		RES 1.00M 1% 0805
6	2	01-24-1373	1		R2		RES 137K 1% 0805
6	3	01-24-1502	1		R19		RES 15.0K 1% 0805
6	4	01-24-4751	1		R4		RES 4.75K 1% 0805
6	5	01-25-0000	1		R8		RES 0R 1% 0603
6	6	01-25-1001	1		R16		RES 1.00K 1% 0603
6	7	01-25-1002	4		R7,R10,R18,R20		RES 10.0K 1% 0603
6	8	03-52-0104	2		C1-C2		CAP X7R 0.1uF 50V 10% 0805
6	9	03-52-0470	2		C3-C4		CAP X7R 47pF 50V 10% 0805

6	10	03-56-0101	2		C5,C10			CAP NPO 100pF 50V 5% 0603
6	11	03-58-0104	2		C7,C9			CAP X7R 0.1uF 25V 10% 0603
6	12	06-23-0054	1		D5			DIODE SCHOTTKY DUAL 30V 200mA 5nS SOT-23 SM
6	13	12-54-1084	1		U1			IC OP AMP QUAD SINGLE SUPPLY TLC084 SM
6	14	21-00-6617	2		J1-J2			JACK 1/4" TRS PCB MOUNT 6 PIN HORIZONTAL W/CHROME HRDWARE TH
6	15	21-20-0210	1		H1			HDR SIL PCB-MT 10 PIN x 2MM MA LE SHRD VERT MNT TH
6	16	30-18-3030	2		GF1-GF2			CLIP GROUND PCB .30 x .30 x .07
6	17	30-51-0146	2		SH1-SH2		A	SHIELD PCB MT FOR 1/4 JACK 1.00 Hx1.25Wx.013THK BERYL COP
6	18	35-00-0385-1	1				A	PCB VETTA SYSTEM GUITAR IN A25
5	2	50-02-0385-2	1				A	PCBA VETTA SYSTEM VOLUME A25
6	1	01-24-4320	1		R11			RES 432R 1% 0805
6	2	01-25-4751	2		R12-R13			RES 4.75K 1% 0603
6	3	01-48-0021	1		R1			POT SINGLE 10KB LINEAR TAPER W/ PULL SWITCH 20MM
6	4	03-52-0104	1		C6			CAP X7R 0.1uF 50V 10% 0805
6	5	03-80-0476	1		C8			CAP ELEC 47uF 10V 20% SM 5/5.4/6.5
6	6	18-26-0005	1		D7			LED WHITE SIDE VIEW SMD
6	7	21-20-0008	1		H2			HDR SIL PCB-MT 8 PIN X 2MM MALE SHRD
6	8	35-00-0385-2	1				A	PCB VETTA SYSTEM VOLUME A25
5	3	50-02-0385-3	1				A	PCBA VETTA SYSTEM CLASS A/AB A25
6	1	01-24-1002	2		R6,R15			RES 10.0K 1% 0805
6	2	01-24-2001	1		R14			RES 2.00K 1% 0805
6	3	01-24-2210	3		R3,R17,R21			RES 221R 1% 0805
6	4	18-00-0004	1		D2		X0	LED RED CYLINDRICAL LAMP T-1 3MM 630NM TH
6	5	18-26-0014	3	EA	D1,D3-D4		X0	LED WHITE SMD
6	6	21-20-0210	1		H3			HDR SIL PCB-MT 10 PIN x 2MM MA LE SHRD VERT MNT TH
6	7	21-34-0029	1		H4-H5		E	CBL ASSY SIL 3 COND .10" SPC 2 .362" LG BOTH ENDS TINNED
6	8	24-03-0100	1		SW1			SWITCH TOGGLE SPDT MOMENTARY ON-OFF-ON 3 PIN V-MOUNT PCB
6	9	35-00-0385-3	1				A	PCB VETTA SYSTEM CLASS A/AB A25