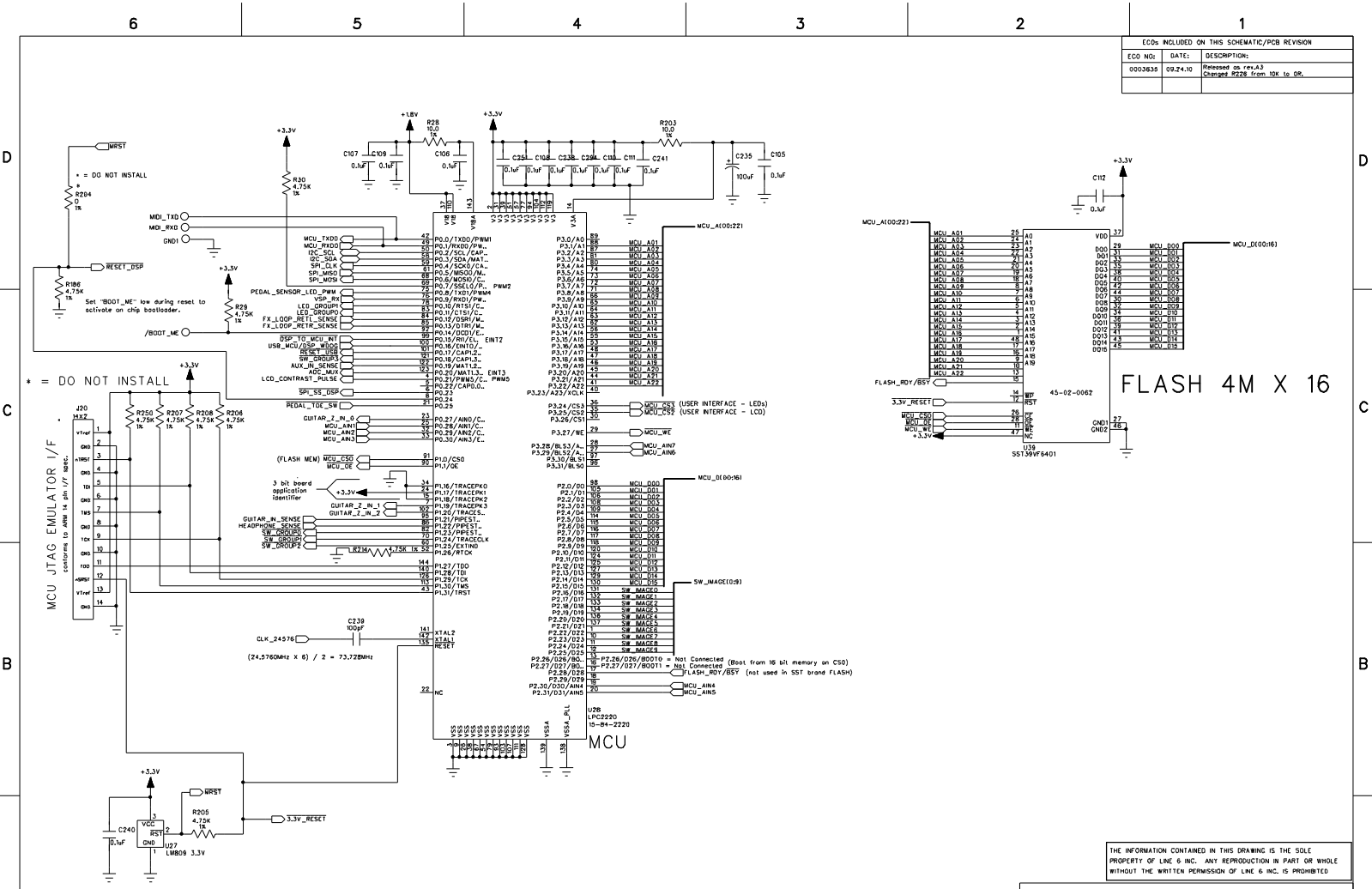


ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:
000365	09.24.10	Released as rev.A3 Changed #228 from 10K to 0R.



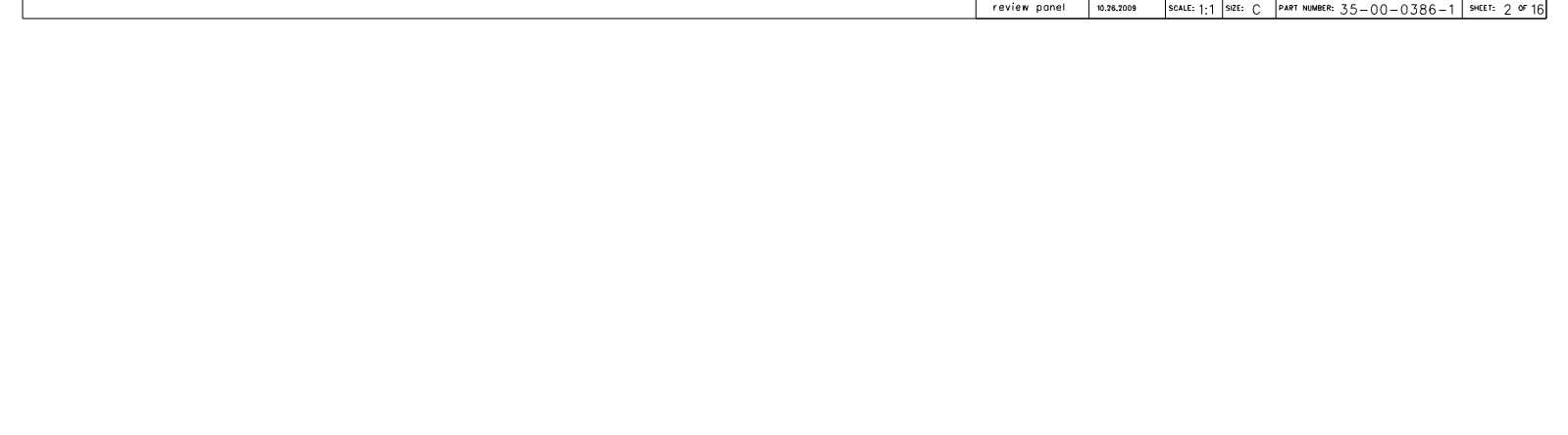
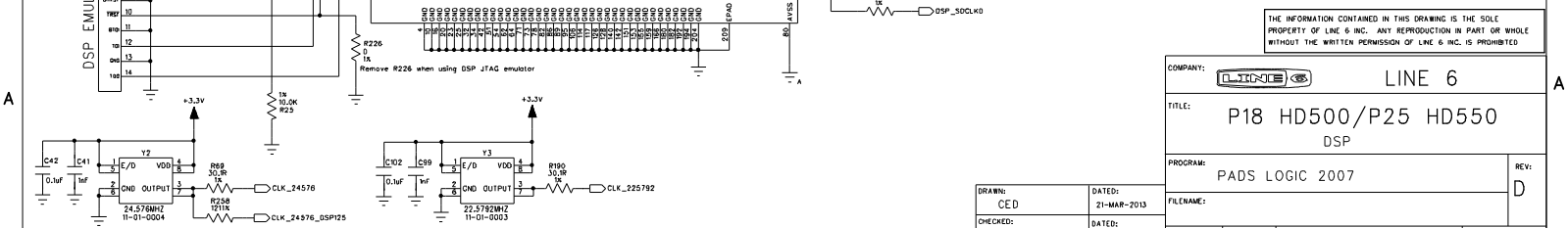
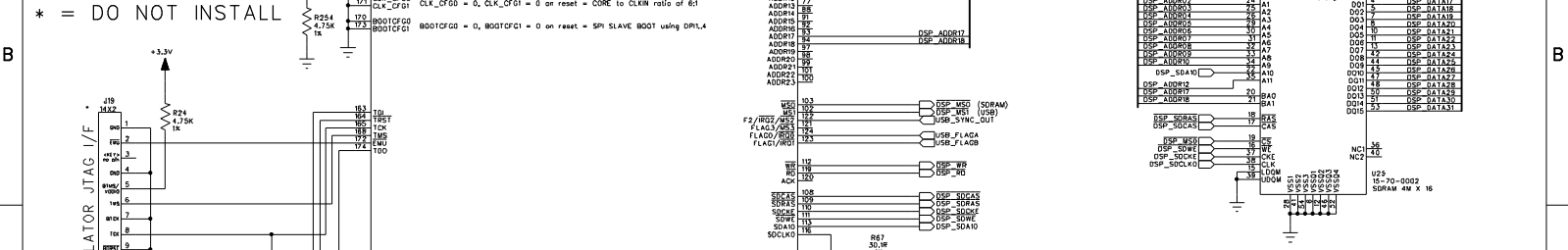
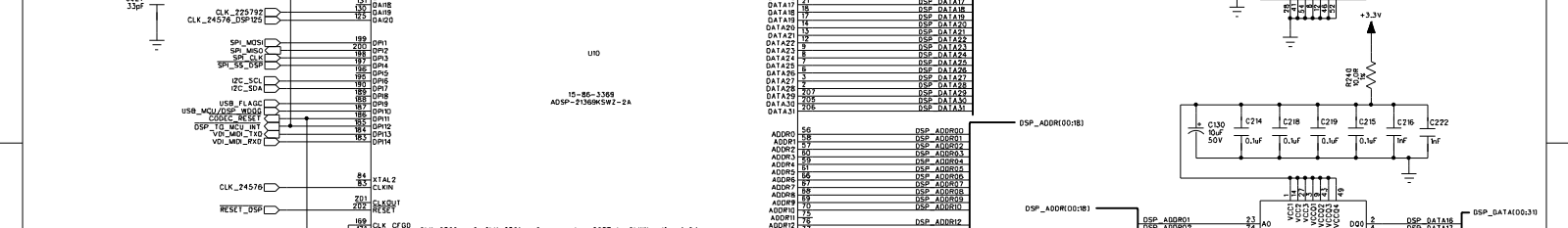
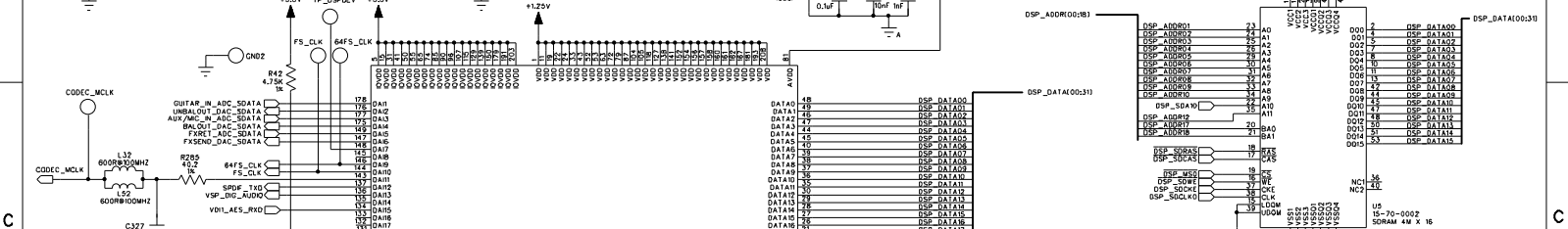
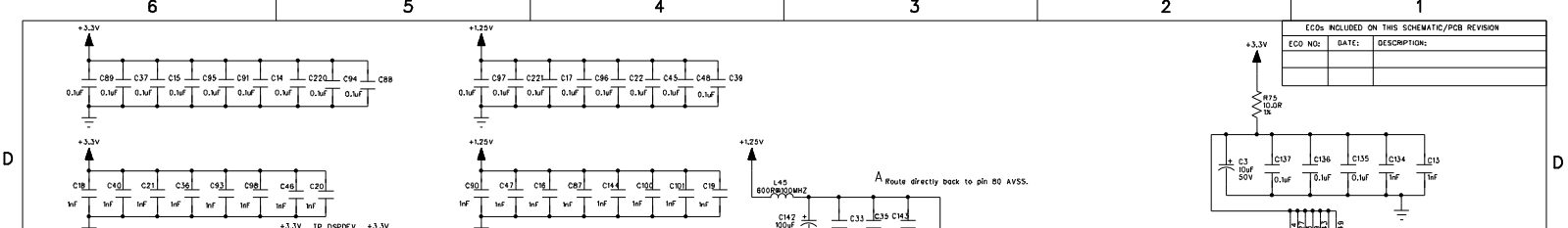
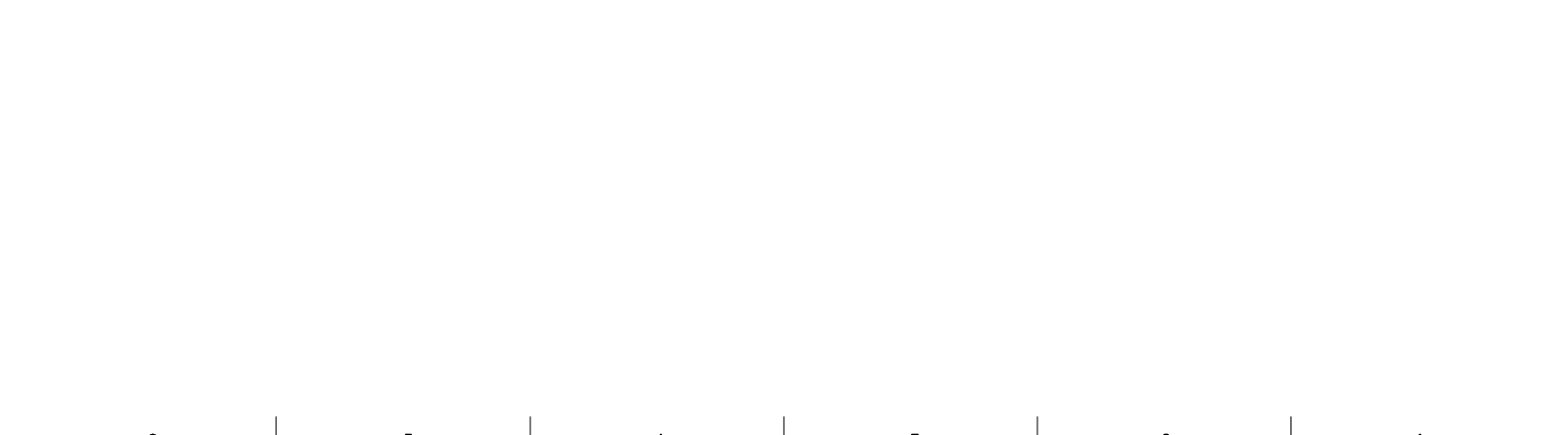
FLASH 4M X 16

This board: All resistors are 1% Tolerance

3 BIT BOARD APPLICATION IDENTIFIER
 MCU_BSEN0: PL18 = L
 MCU_BSEN1: PL17 = L
 MCU_BSEN2: PL16 = L
 xx: INC LIVE = 0002

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COMPANY:		LINE 6
TITLE:	P18 HD500/P25 HD550 MCU	
PROGRAM:	PADS LOGIC 2007	REV: D
FILENAME:		
DRAWN:	CCD	DATED: 21-MAR-2013
CHECKED:	review panel	DATED: 10.26.2009
SCALE: 1:1	SIZE: C	PART NUMBER: 35-00-0386-1
		SHEET: 1 OF 16



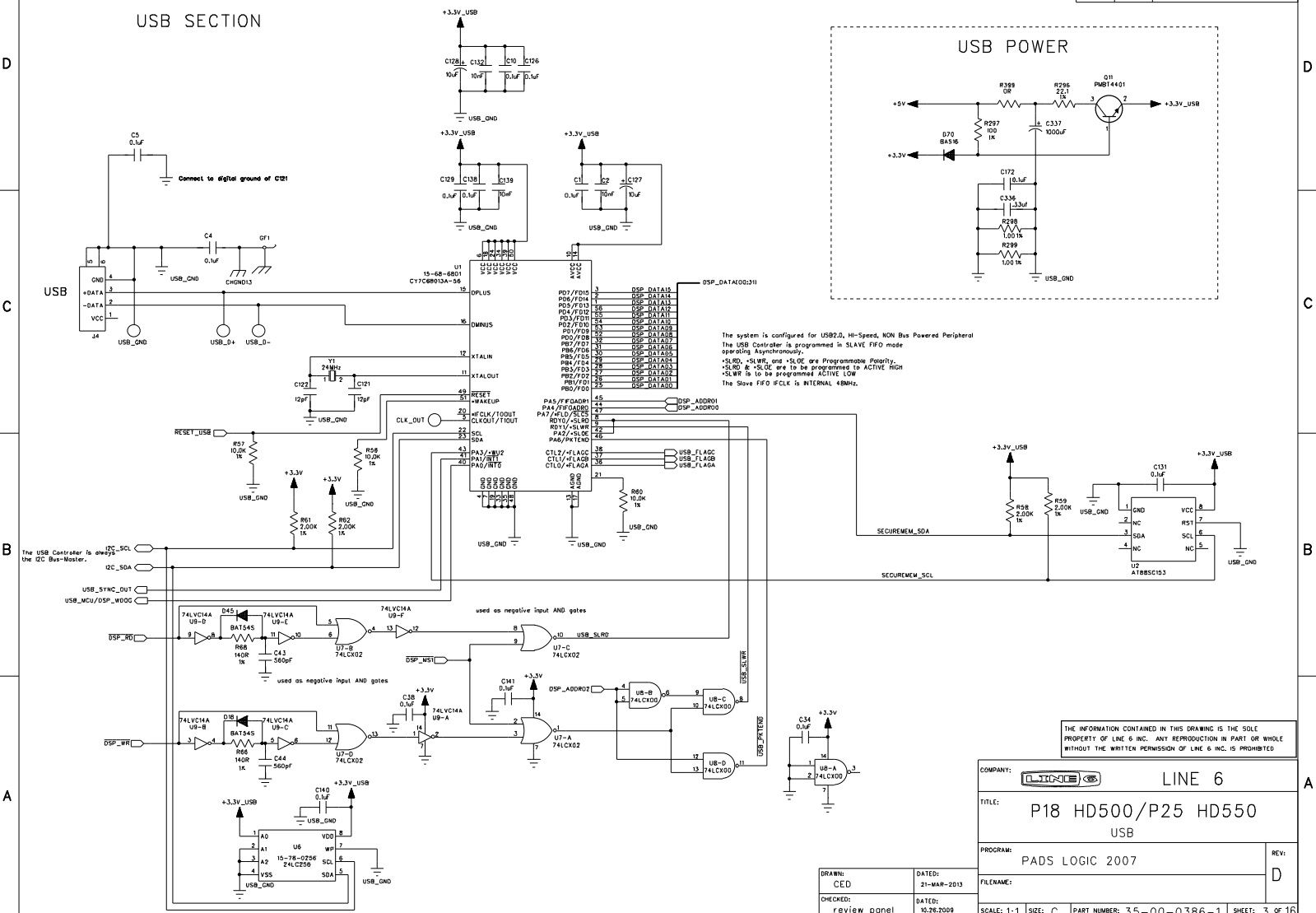
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

* = DO NOT INSTALL

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COMPANY:	LINC		
FILE:	P18 HD500/P25 HD550 DSP		
PROGRAM:	PADS LOGIC 2007		
REV:	D		
DRAWN:	CEJ	DATED:	21-MAR-2013
CHECKED:	review panel	DATED:	10.26.2009
SCALE:	1:1	SIZE:	C
PART NUMBER:	35-00-0386-1		
SHEET:	2 OF 16		

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



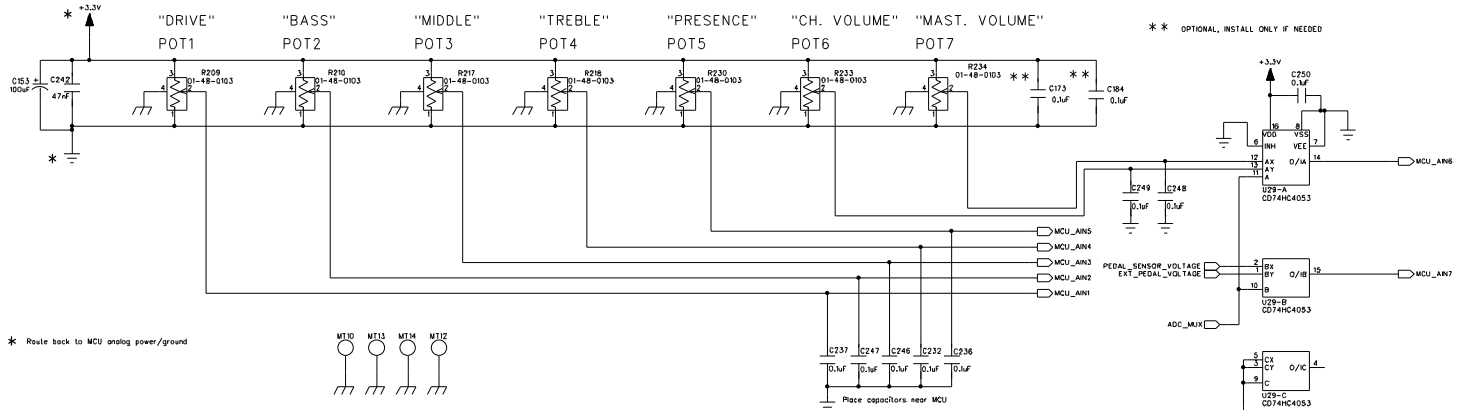
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LINC 6 INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LINC 6 INC. IS PROHIBITED

COMPANY:	LINC 6	LINE 6
FILE:	P18 HD500/P25 HD550 USB	
PROGRAM:	PADS LOGIC 2007	REV: D
DRAWN:	CEd	DATED: 21-MAR-2013
CHECKED:	review panel	DATED: 10.26.2009
SCALE: 1:1	SIZE: C	PART NUMBER: 35-00-0386-1
SHEET: 3 OF 16		

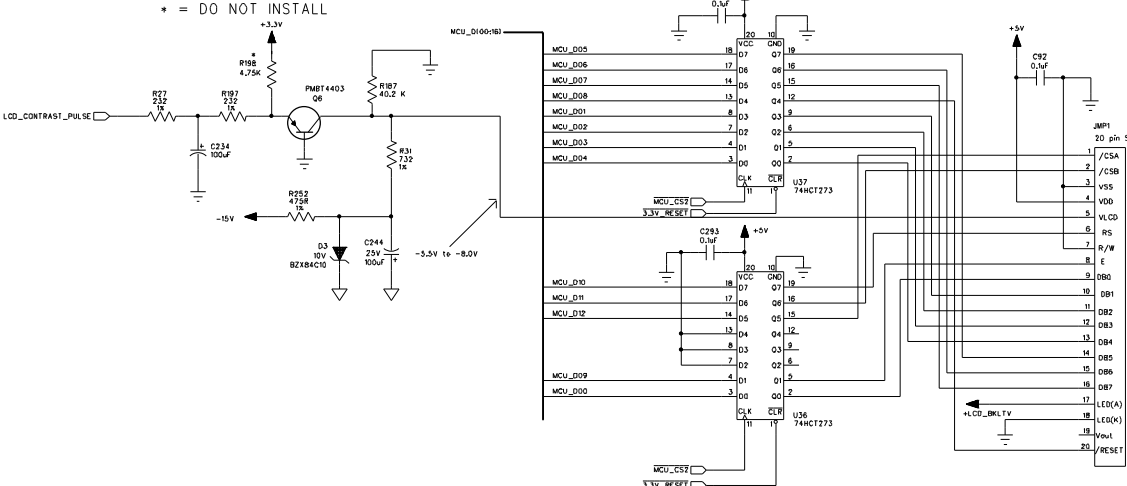
POTENTIOMETERS



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



LCD MODULE AND SUPPORT CIRCUITRY



MCU_DxX	LCD	LCD PIN
D0	DB0	9
D1	DB1	10
D2	DB2	11
D3	DB3	12
D4	DB4	13
D5	DB4	14
D6	DB6	15
D7	DB7	16
D8	/RESET	20
D9	E	8
D10	RS	6
D11	/CSB	2
D12	/CSA	1

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COMPANY:	LINE 6	
TITLE:	P18 HD500/P25 HD550 USER_INTERFACE1	
PROGRAM:	PADS LOGIC 2007	REV: D
FILENAME:		

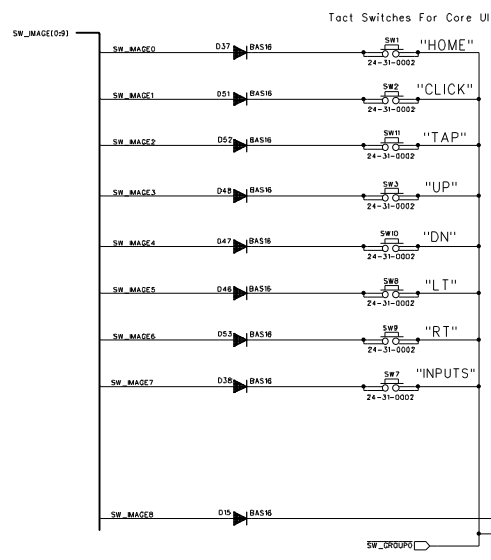
DRAWN: CED	DATED: 21-MAR-2013	SCALE: 1:1	SIZE: C	PART NUMBER: 35-00-0386-1	SHEET: 4 OF 16
CHECKED: review panel	DATED: 10.26.2009				

6 5 4 3 2 1

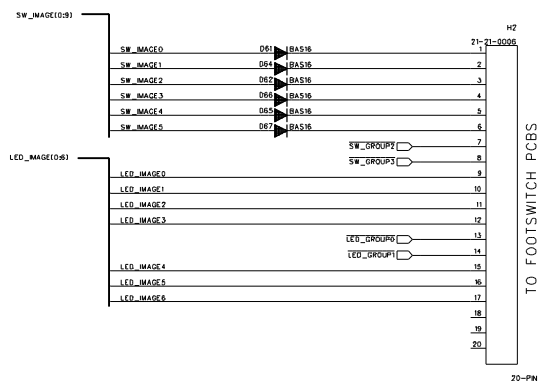
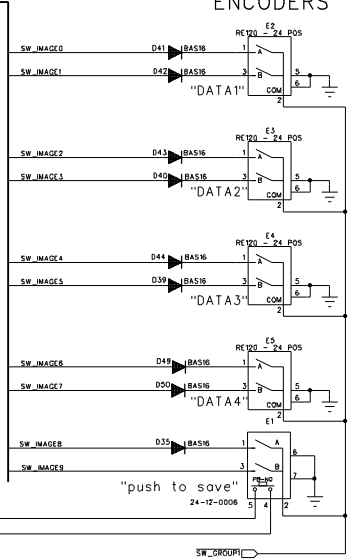
Pullup resistors are not needed because the LPC2200 has built in pullup resistors in its I/O pins

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

SWITCHES



ENCODERS



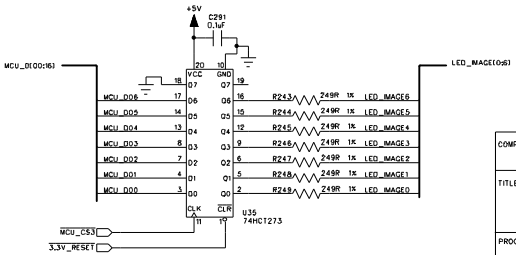
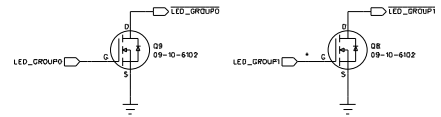
TO FOOTSWITCH PCBs

LED MATRIX 7 x 2

	LED_GROUP0	LED_GROUP1
LED_IMAGE0	FT SW UPPER 0	FT SW LOWER 0
LED_IMAGE1	FT SW UPPER 1	FT SW LOWER 1
LED_IMAGE2	FT SW UPPER 2	FT SW LOWER 2
LED_IMAGE3	FT SW UPPER 3	FT SW LOWER 3
LED_IMAGE4	FT SW UPPER 4	FT SW LOWER 4
LED_IMAGE5	FT SW UPPER 5	FT SW LOWER 5
LED_IMAGE6	EXP1	EXP2

SWITCH MATRIX 10 x 4

	SW_GROUP0	SW_GROUP1	SW_GROUP2	SW_GROUP3
SW_IMAGE0	HOME	E1-A	FT SW UPPER 0	FT SW LOWER 0
SW_IMAGE1	CLICK	E1-B	FT SW UPPER 1	FT SW LOWER 1
SW_IMAGE2	TAP	E2-A	FT SW UPPER 2	FT SW LOWER 2
SW_IMAGE3	UP	A2-B	FT SW UPPER 3	FT SW LOWER 3
SW_IMAGE4	DN	E3-A	FT SW UPPER 4	FT SW LOWER 4
SW_IMAGE5	LT	E3-B	FT SW UPPER 5	FT SW LOWER 5
SW_IMAGE6	RT	E4-A	-	-
SW_IMAGE7	INPUTS	E4-B	-	-
SW_IMAGE8	E1 pushbutton	E5-A	-	-
SW_IMAGE9	-	E5-B	-	-



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COMPANY:		LINE 6
TITLE:	P18 HD500/P25 HD550 USER_INTERFACE2	
PROGRAM:	PADS LOGIC 2007	REV: D
FILENAME:		
DRAWN: CED	DATED: 21-MAR-2013	
CHECKED: review panel	DATED: 10.26.2009	
SCALE: 1:1	SIZE: C	PART NUMBER: 35-00-0386-1
		SHEET: 5 OF 16

6

5

4

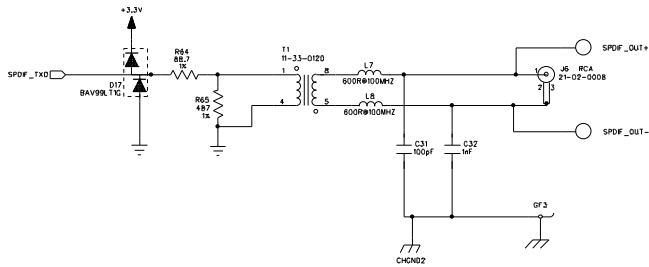
3

2

1

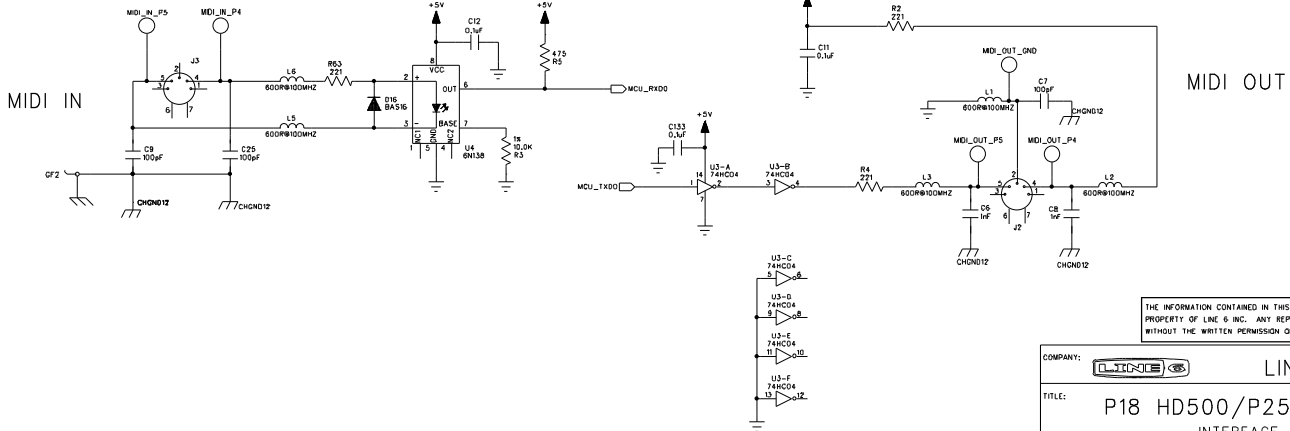
S/PDIF OUTPUT

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



S/PDIF OUTPUT
 Vout = 5Vpp NOM
 Zout = 75ohm NOM

MIDI INTERFACE



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COMPANY:	LINE 6
FILE:	P18 HD500/P25 HD550 INTERFACE
PROGRAM:	PADS LOGIC 2007
FILENAME:	
REV:	D

DRAWN:	CED	DATED:	21-MAR-2013
CHECKED:	review panel	DATED:	10.26.2009
SCALE:	1:1	SIZE:	C
PART NUMBER:	35-00-0386-1	SHEET:	6 OF 16

6

5

4

3

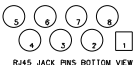
2

1

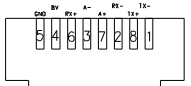
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

VARIAX 1.0 INTERFACE

Transmit and Receive names are relative to this board, not the attached Variax guitar.



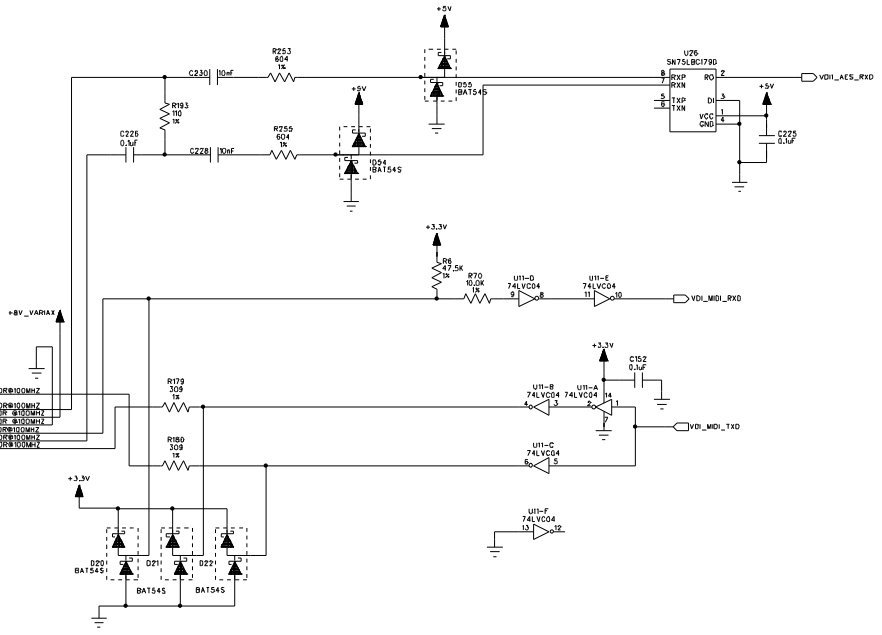
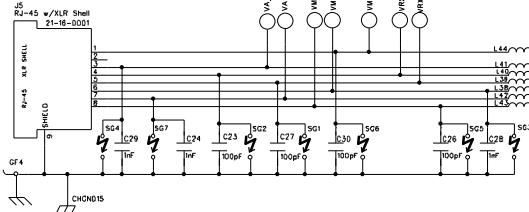
RJ45 JACK PINS BOTTOM VIEW (PCB UNDERSIDE VIEW)



VIEW LOOKING INTO FEMALE JACK INPUT

FOR VARIAX PORT MDI LOOPBACK SHORT:
VM_TXP TO VM_RXP

MG-1 CLASS RJ-45 1/F



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COMPANY: **LINE 6** LINE 6

FILE: P18 HD500/P25 HD550 VARIAX

PROGRAM: PADS LOGIC 2007

DRAWN: CED
CHECKED: review panel

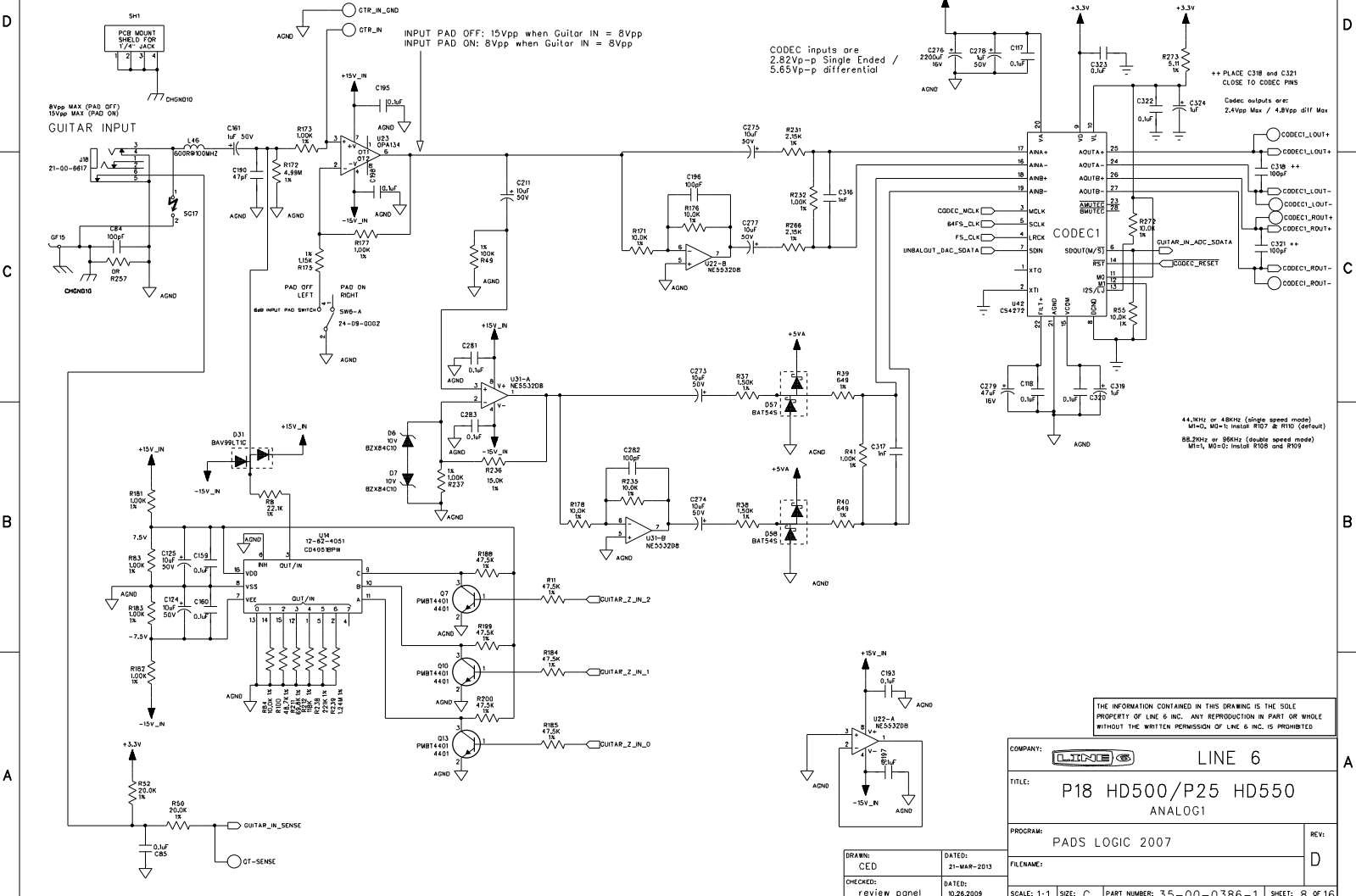
DATED: 21-MAR-2013
DATED: 10.26.2009

FILENAME: SCALE: 1:1 SIZE: C PART NUMBER: 35-00-0386-1 SHEET: 7 OF 16

REV: D

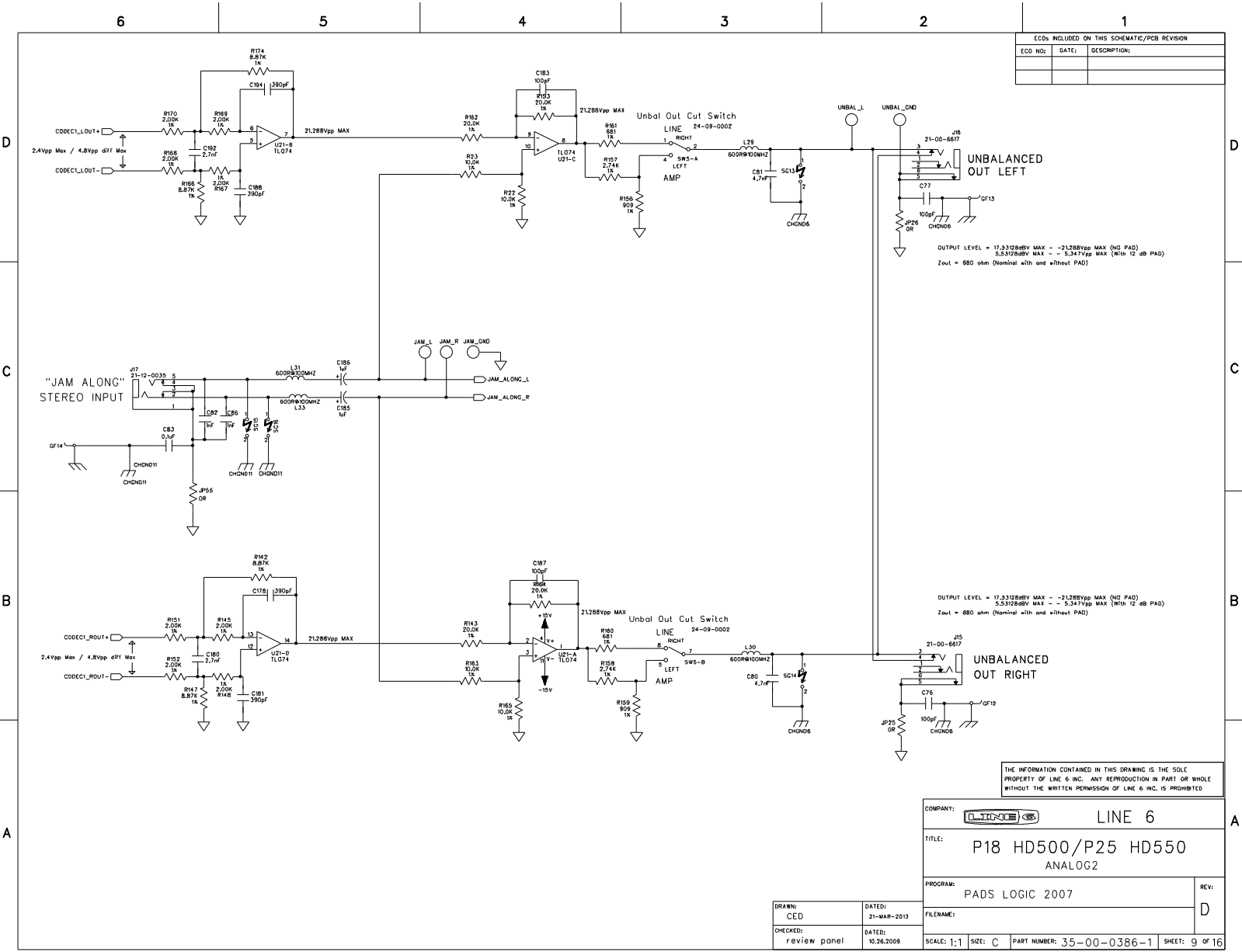
6 5 4 3 2 1

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



COMPANY:	LINE 6	
TITLE:	P18 HD500/P25 HD550 ANALOG1	
PROGRAM:	PADS LOGIC 2007	REV: D
DRAWN:	CEd	DATED: 21-MAR-2013
CHECKED:	review panel	DATED: 10.26.2009
SCALE: 1:1	SIZE: C	PART NUMBER: 35-00-0386-1
SHEET: 8		OF 16

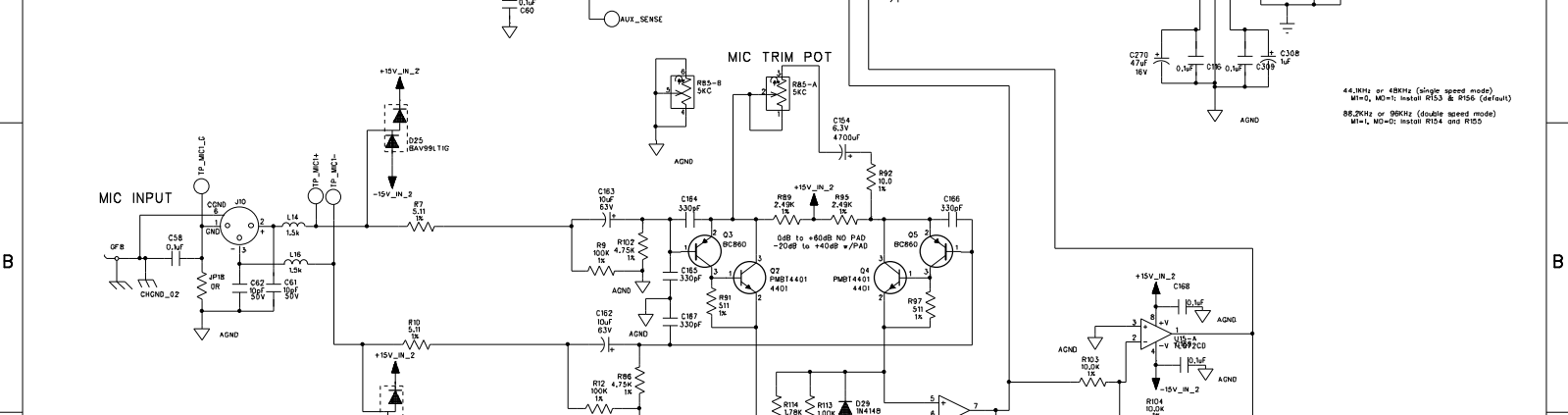
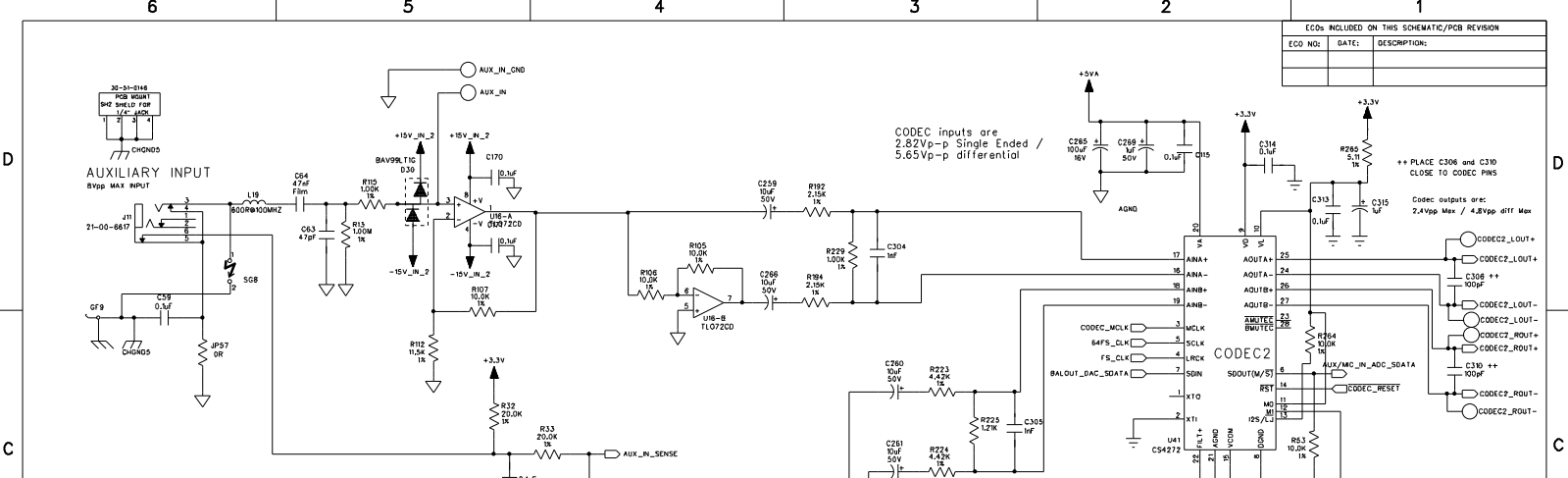
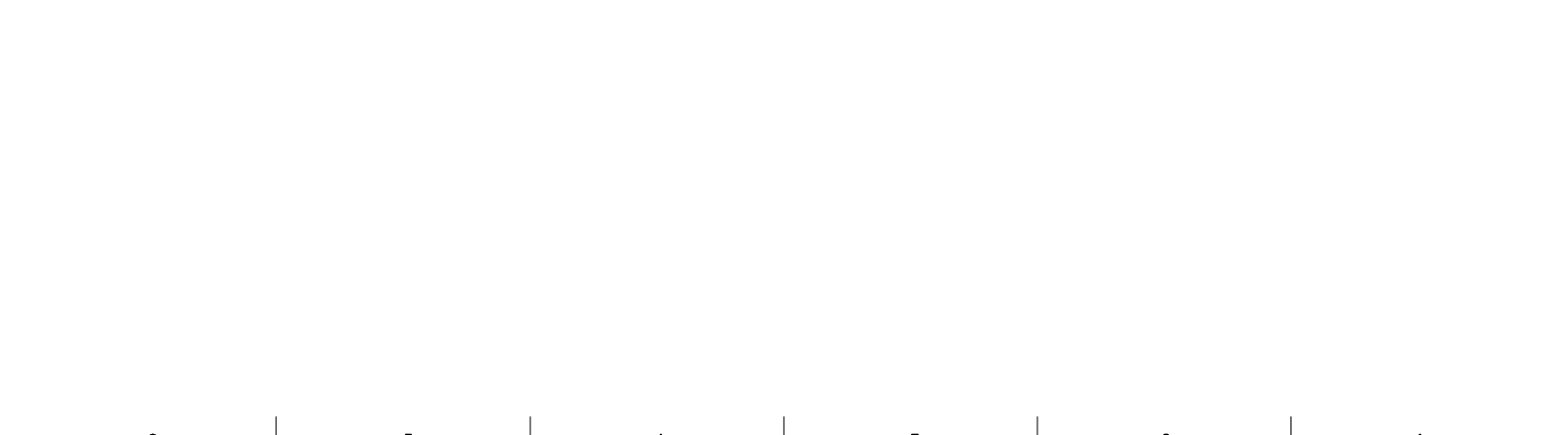
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:



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COMPANY:		LINE 6
TITLE:	P18 HD500/P25 HD550 ANALOG2	
PROGRAM:	PADS LOGIC 2007	
FILENAME:		

DRAWN:	CED	DATED:	21-MAR-2013	REV:	D
CHECKED:	review panel	DATED:	10.26.2009	SCALE:	1:1
SIZE: C			PART NUMBER: 35-00-0386-1	SHEET: 9 OF 16	



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

CODEC inputs are
2.82Vp-p Single Ended /
5.65Vp-p differential

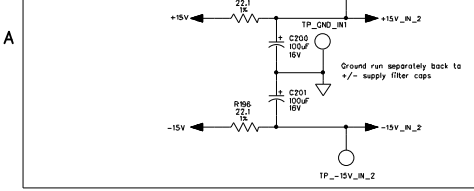
++ PLACE C308 and C310
CLOSE TO CODEC PINS

CODEC outputs are:
2.4Vpp Max / 4.8Vpp eff Max

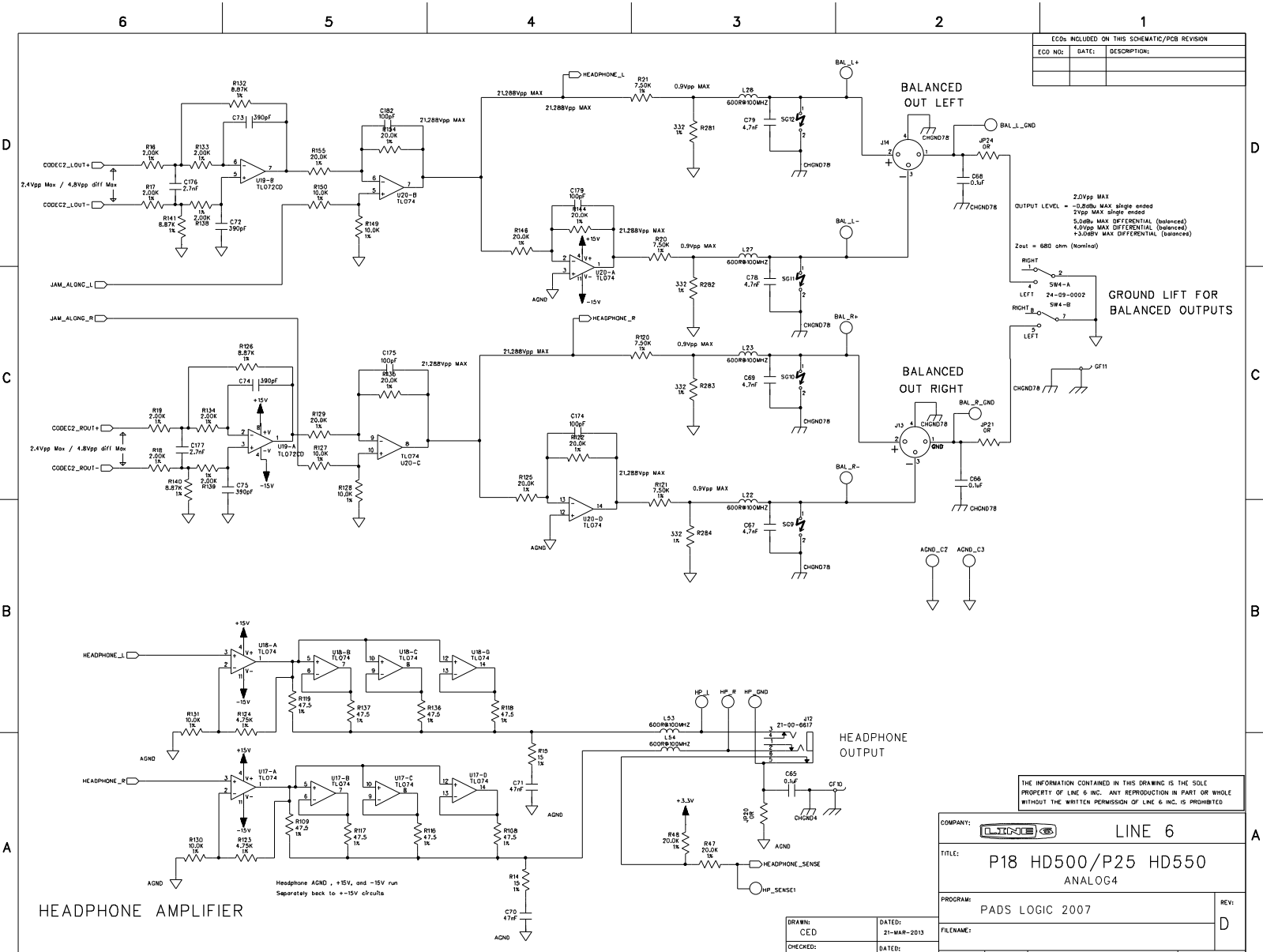
44.1kHz or 48kHz (single speed mode)
M=0, MD=1 install R153 & R156 (default)
88.2kHz or 96kHz (double speed mode)
M=1, MD=0 install R154 and R155

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COMPANY:	LINE 6	
FILE:	P18 HD500/P25 HD550 ANALOG3	
PROGRAM:	PADS LOGIC 2007	REV:
FILENAME:		D
DRAWN:	CEd	DATED:
CHECKED:	review panel	DATED:
SCALE:	1:1	SIZE:
PART NUMBER:	35-00-0386-1	SHEET:



DRAWN:	CEd	DATED:	21-MAR-2013
CHECKED:	review panel	DATED:	10.26.2009
SCALE:	1:1	SIZE:	C
PART NUMBER:	35-00-0386-1	SHEET:	10 OF 16



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

OUTPUT LEVEL
 2.0Vpp MAX
 -0.500V MAX single ended
 2Vpp MAX single ended
 5.000V MAX DIFFERENTIAL (balanced)
 4.0Vpp MAX DIFFERENTIAL (balanced)
 +3.000V MAX DIFFERENTIAL (balanced)

Zout = 685 ohm (Nominal)
 RIGHT - 2
 LEFT - 3
 RIGHT - 4
 LEFT - 5
 RIGHT - 6
 LEFT - 7

GROUND LIFT FOR BALANCED OUTPUTS

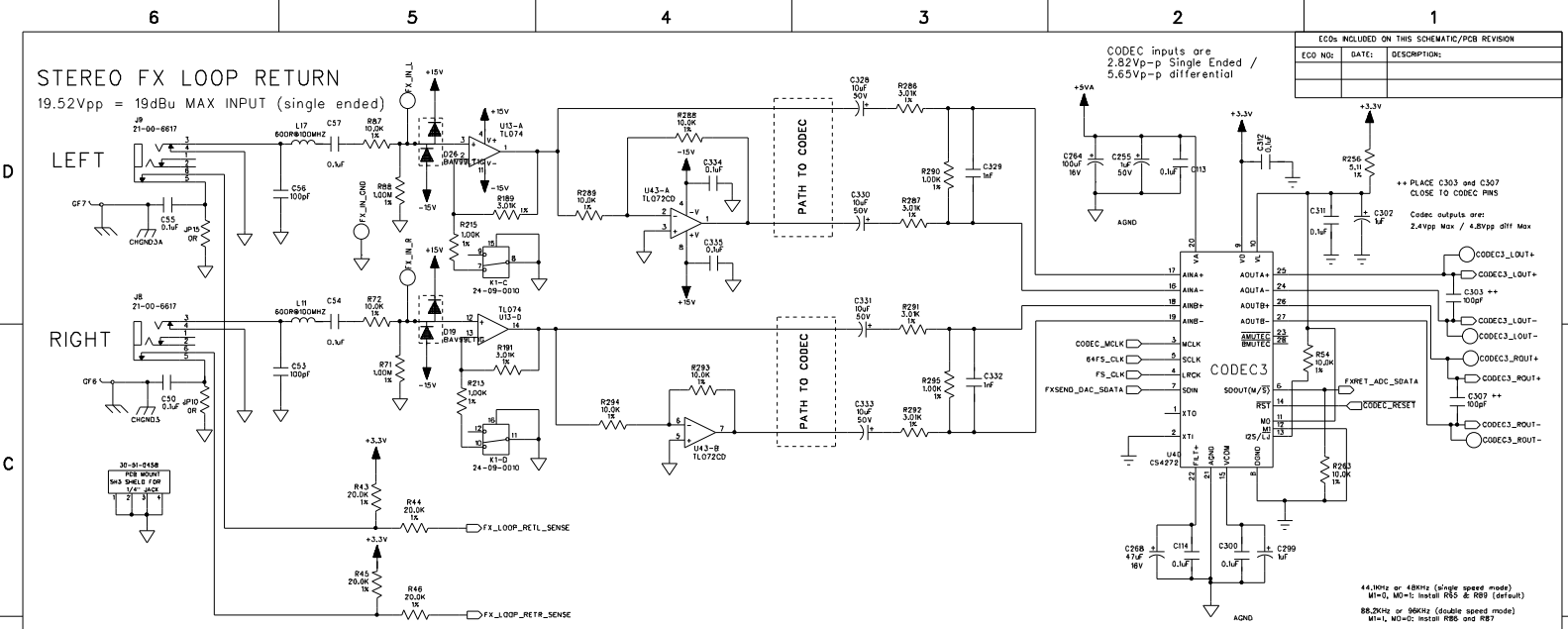
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LINE 6 INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LINE 6 INC. IS PROHIBITED

COMPANY:		LINE 6
FILE:	P18 HD500/P25 HD550 ANALOG4	
PROGRAM:	PADS LOGIC 2007	
REV:	D	
DRAWN:	CEC	DATED: 21-MAR-2013
CHECKED:	review panel	DATED: 10.26.2009
SCALE:	1:1	SIZE: C
PART NUMBER:	35-00-0386-1	
SHEET:	11 OF 16	

STEREO FX LOOP RETURN
19.52Vpp = 19dBu MAX INPUT (single ended)

LEFT

RIGHT



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

CODEC inputs are
2.82Vp-p Single Ended /
5.65Vp-p differential

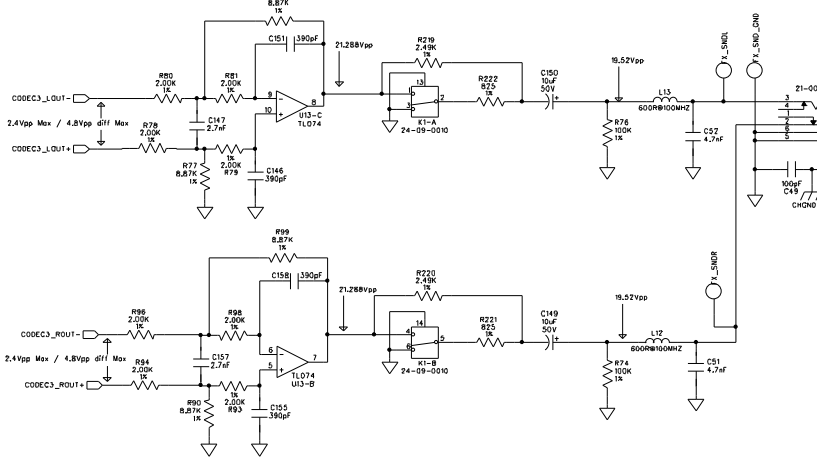
++ PLACE C303 and C507
CLOSE TO CODEC PINS

Codec outputs are:
2.4Vpp Max / 4.8Vpp diff Max

44.1kHz or 48kHz (single speed mode)
M=1, MD=C; install R85 & R86 (default)

88.2kHz or 96kHz (double speed mode)
M=1, MD=C; install R85 and R87

B



STEREO FX SEND

MAX OUTPUT LEVEL = +19dBu = 19.52Vpp - single ended
Zout = 669 ohm NOMINAL

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COMPANY:	LINC 6	
FILE:	P18 HD500/P25 HD550 ANALOG5	
PROGRAM:	PADS LOGIC 2007	
FILENAME:		
DRAWN: CED	DATED: 21-MAR-2013	REV: D
CHECKED: review panel	DATED: 10.26.2009	SCALE: 1:1
SIZE: C	PART NUMBER: 35-00-0386-1	SHEET: 12 OF 16

6

5

4

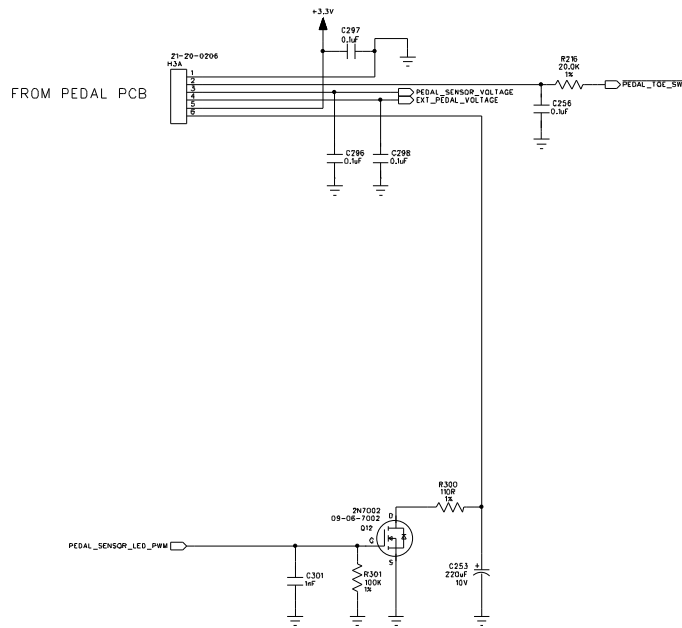
3

2


1

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

PEDAL INTERFACE



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COMPANY:		LINE 6
FILE:	P18 HD500/P25 HD550 PEDAL_INTERFACE	
PROGRAM:	PADS LOGIC 2007	REV: D
DRAWN:	CEC	DATED: 21-MAR-2013
CHECKED:	review panel	DATED: 10.26.2009
SCALE: 1:1	SIZE: C	PART NUMBER: 35-00-0386-1
SHEET: 13		OF 16

6 5 4 3 2 1

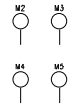
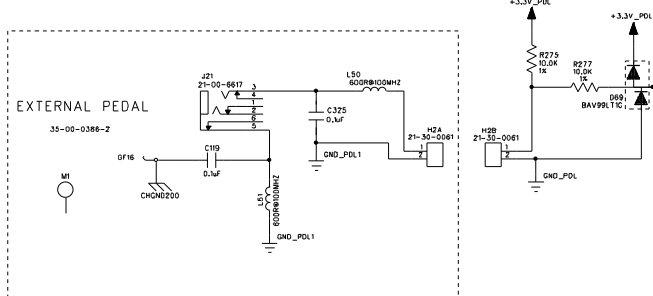
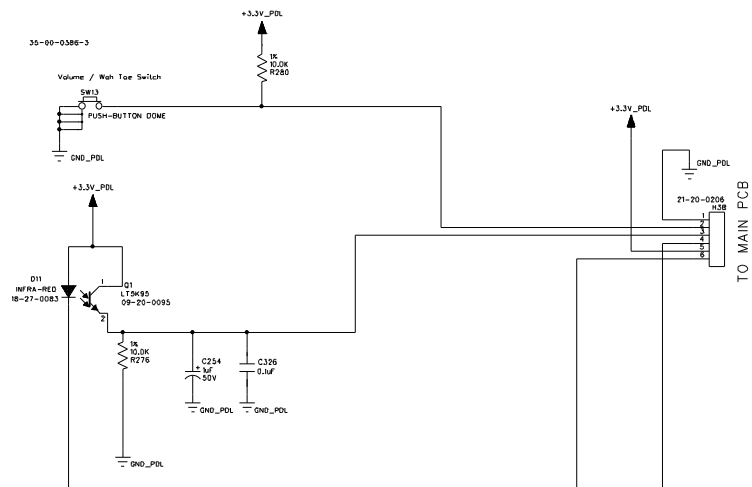
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

(BREAKAWAY FROM MAIN BOARD)

PEDAL BOARD (Part number 35-00-0386-2)

PEDAL SWITCH BOARD (Part number 35-00-0386-3)

PEDAL SUPPORT BOARD (Part number 35-00-0386-4)



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COMPANY:		LINE 6
TITLE:	P18 HD500/P25 HD550 PEDAL_BREAKAWAY	
PROGRAM:	PADS LOGIC 2007	REV: D
DRAWN:	CEd	DATED: 21-MAR-2013
CHECKED:	review panel	DATED: 10.26.2009
SCALE: 1:1	SIZE: C	PART NUMBER: 35-00-0386-2 35-00-0386-3 35-00-0386-4
SHEET: 14 of 16		

6

5

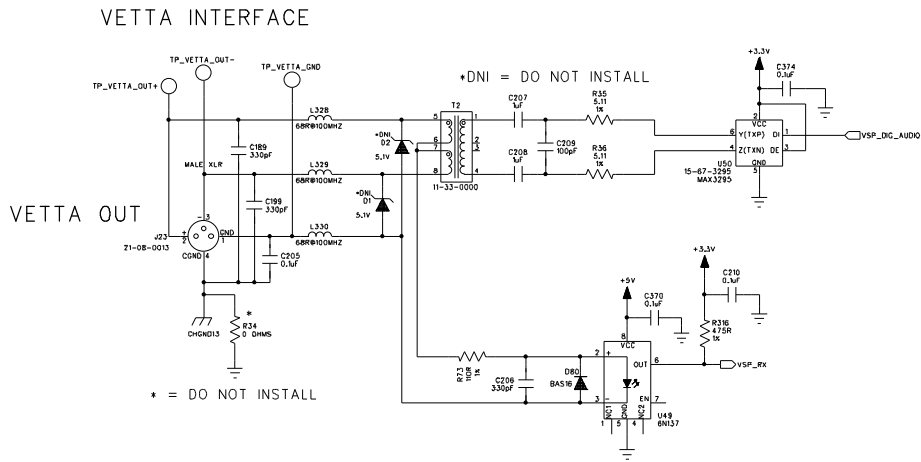
4

3

2

1

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



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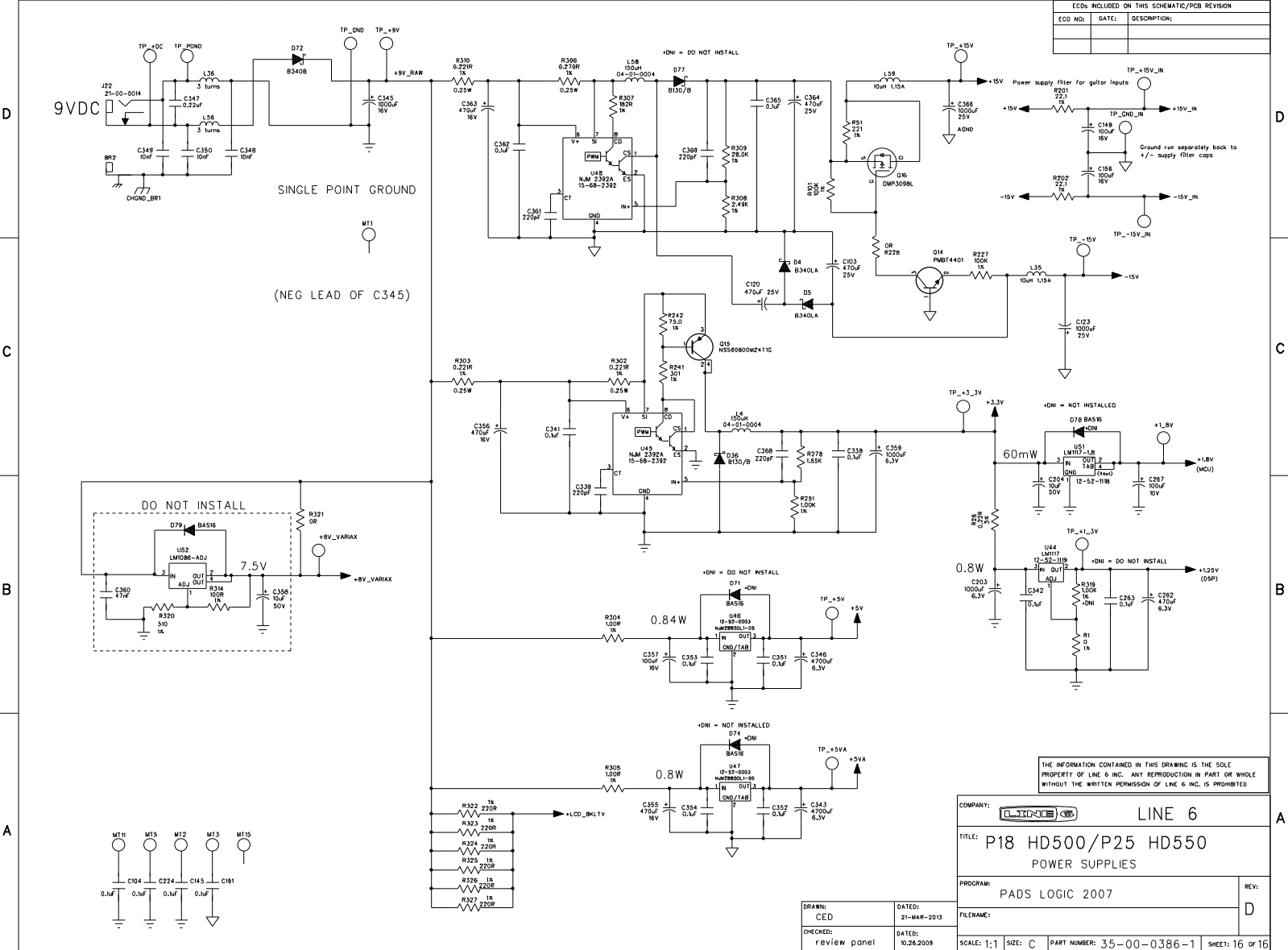
COMPANY:		LINE 6
FILE:	P18 HD500/P25 HD550 VETTA_INTERFACE	

PROGRAM:	PADS LOGIC 2007	REV:	D
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DRAWN:	CEd	DATED:	21-MAR-2013	
CHECKED:	review panel	DATED:	10.26.2009	
SCALE:	1:1	SIZE:	C	
PART NUMBER:	35-00-0386-1		SHEET:	15 of 16

6 5 4 3 2 1

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



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COMPANY: **LINE 6** LINE 6

FILE: P18 HD500/P25 HD550 POWER SUPPLIES

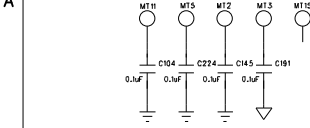
PROGRAM: PADS LOGIC 2007

SCALE: 1:1 SIZE: C PART NUMBER: 35-00-0386-1 SHEET: 16 OF 16

DRAWN: CED
CHECKED: review panel

DATED: 21-MAR-2013
DATED: 10.26.2009

REV: D



A

D

C

B

D

C

B

A

BOM POD HD500 X 99-060-1805 REV C								
Level	Item	Part Number	Qty	UOM	Refdes	Find	Rev	Description
1	1	11-30-8621	1				A	XFMR WALL 100-240VAC 50-60HZ 9 VDC 3000MA DC-3G
1	2	21-34-2001	1				A	CBL USB w/FERRITE 2 METER HIGH SPEED BLA
2	1	04-06-0002	1				A	FERRITE EMI BRDBND SNAP ROUND 17.3 x 5.1
2	2	21-34-2000	1				A	CBL USB HIGH SPEED 2 METER BLK
1	3	30-01-0011	1				A	HEX L-KEY SHORT ARM 3/16-IN BLK P7-1
1	4	40-00-1000	1				H	CARD WARRANTY LINE 6
1	5	40-01-0016	1				D	CARD LICENSE-AGREEMNT END-USER ALL- PRODU
1	6	40-00-0334	1				B	INSERT ONLINE PRODUCT REGISTRATION
1	7	40-20-0011	1				A	BAG PLASTIC 10 x 16 2 mil
1	8	40-20-0022	1				A	"BAG PLASTIC 2 MIL 36""x14""
1	9	40-25-0020	1				A	LABEL INSPECTION QUALITY
1	10	40-25-0024	1				C	STICKER ART SEAL EULA
1	11	40-25-0082	1				A	LABEL ROUND 1.75" TRANSPARENT
1	12	40-25-0233	1				C	LABEL MASTER CARTON MATTE WHI TE
1	13	40-25-0319	1				C	SHIPPING CARTON COMPLIANCE STICKER LABEL, SERIAL NUMBER/PART NUMBER 1.5" X 0.5"
1	14	40-30-0013	1				A	
1	15	59-00-0162	1				C	ASSY UNIT- COMPLETE POD HD500X P25-1
2	1	21-34-9006-2	1				D	CBL SIL 6 COND 24AWG 2X175MM Z -TYPE
2	2	30-00-0042	10				B	SCREW SHEET METAL 4 x 0.375 IN SELF-TAP
2	3	30-00-0043	16				A	SCREW 6-32 x 5/16 w/LK WASH PPZ STL
2	4	30-00-0125	2				A	SCREW 8-32 X 5/16 W/LK WASH PP H BLK STL
2	6	30-00-0263	5				A	SCREW 6-32 UNC BHCS 0.375 INCH STEEL
2	7	30-00-0375	9				A	SCREW 6-32 x .375 PPB
2	11	30-15-0004	9				A	SPACER .13 THICK x .63OD NYLON
2	12	30-27-0059	2				A	LENS LED .19" DIA X .29" HT PLASTIC CLEAR
2	13	30-27-0097	1				B	HOUSING SNAP DOME .78 x .84 x .278 ABS B
2	14	30-27-0217-1	1				G	BUTTON 4 WAY TOP .8 DIA x .4 H T ABS NO
2	15	30-27-0218	1				A	BUTTON 4 WAY BOTTOM .8 DIA x .5ht ABS P1
2	16	30-27-0221	1				B	4-WAY SW PIVOT PIN .37 X .200 DIA NYLON
2	17	30-27-0304	1				A	"CABLE STRAIN RELIEF 1.1"" X .5 "" X .5"" AB"
2	18	30-27-0495	1				A	LCD LENS 68.7MM PC 50.7MM 3.4M M CLEAR P
2	19	30-27-0496-1	1				A	BUTTON DBL LEFT 46.8MM ABS 50. 7MM 3.4MM
3	1	41-00-0303	0				B	ARTWORK SILKSCREEN BUTTON LEFT POD X4 P1
2	21	30-27-0496-2	1				A	BUTTON DBL RIGHT 46.8MM ABS 50 .7MM 3.4M

3	1	41-00-0304	0			B	ARTWORK SILKSCREEN BUTTON RIGH T POD X4
2	23	30-45-0034	7			A	KNOB LARGE WITH INDICATOR 0.61 INCH ABS
2	24	30-45-0035	4			A	KNOB POT 0.627INCH 0.565INCH A BS BLACK
2	25	30-45-0036	1			C	KNOB ENCODER W/O INDICATOR. 0. 625 INCH
2	26	30-48-5012	8			A	"BUMPER RUBBER .465"" O.D. BLK"
2	27	30-51-0078	3			A	TACTILE DOME 20MM SST NP
2	28	50-50-0047	1			A	CHASSIS TOP W/ARTWORK P25-1
3	1	30-51-0668	1			B	CHASSIS TOP P25-1
3	2	41-00-0438	1			A	ARTWORK SILKSCREEN CHASSIS TOP P25-1
2	30	50-50-0048	1			A	CHASSIS BOTTOM HD550 P25-1
3	1	30-51-0669	1			A	CHASSIS BOTTOM P25-1
3	2	41-00-0439	1			A	ARTWORK SILKSCREEN CHASSIS BOTTOM P25-1
2	32	30-51-0501	1			A	CHASSIS SUPPORT STEEL ORIGINAL ORIGINAL
2	33	30-51-0502	1			A	BEZEL COVER ALU POLISHED ORIGINAL 95.1M
3	1	41-00-0321	0			A	ARTWORK SILKSCREEN BEZEL COVER POD X4 P1
2	35	30-51-0513	1			A	GUARD KNOB STEEL CHROME PLATED 4.31INCH
2	36	30-63-0028	1			A	FOAM RING 4-WAY SW RET PU .75 OD x .40 I
2	37	30-63-0056	2			A	FOAM W/ADHS 56MM 3.5MM 0.5MM F OAM
2	38	30-63-0057	2			A	FOAM W/ADHS 38.0MM 3.5MM 0.5MM FOAM
2	39	30-63-0123	4			A	FOAM 50MM 20MM 1.5MM P25
2	40	30-63-0061	2			A	FOAM LIGHT SHIELD 0.87 IN 0.37 IN 0.35IN
2	41	30-63-0067	1			A	FOAM 70MM X 48MM X 1.5MM FOAM WITH 3M 46
2	42	30-75-0013	1			A	CAP RJ45 JACK PROTECTOR VINYL .692 OD x
2	43	40-30-0013	1			A	LABEL, SERIAL NUMBER/PART NUMBER 1.5" X 0.5"
2	44	50-02-1386	1			B	PCBA MAIN/PEDAL/PEDAL SWITCH/SUPPORT P25-1
3	1	50-02-1386-1	1			B	PCBA MAIN POD HD550 P25-1
4	1	01-04-0R22	1		R26	A	RES 0.22R 5% 1/4W 1206
4	2	01-24-0000	20		JP10,JP15,JP18,JP20-21,JP24-26,JP55,JP57,R228,R244-R249,R257,R321,R399	A	RES 0R 1% 0805
4	3	01-24-1000	1		R297	A	RES 100R 1% 1/8W 0805
4	4	01-24-1001	2		R213,R215	A	RES 1.00K 1% 0805
4	5	01-24-1002	6		R130-131,R275-277,R280	A	RES 10.0K 1% 0805
4	6	01-24-1003	4		R9,R12,R74,R76	A	RES 100K 1% 0805
4	7	01-24-10R0	3		R28,R92,R203	A	RES 10.0R 1% 1/8W 0805
4	8	01-24-1100	1		R193	A	RES 110R 1% 1/8W 0805
4	9	01-24-1152	1		R112	A	RES 11.5K 1% 0805
4	10	01-24-1210	1		R258	A	RES 121R 1% 0805
4	11	01-24-1211	1		R225	A	RES 1.21K 1% 0805
4	12	01-24-1502	1		R236	A	RES 15.0K 1% 1/8W 0805

4	13	01-24-15R0	2		R14-15	A	RES 15R 1% 1/8W 0805
4	14	01-24-1781	2		R111,R114	A	RES 1.78K 1% 1/8W 0805
4	15	01-24-1R00	2		R298-299	A	RES 1.0R 1% 1/8W 0805
4	16	01-24-2002	23		R32-33,R43-48,R50,R52,R122,R125,R129,R135,R143-144,R146,R153-155,R162,R164,R216	A	RES 20.0K 1% 1/8W 0805
4	17	01-24-2210	3		R2,R4,R63	A	RES 221R 1% 1/8W 0805
4	18	01-24-22R1	1		R296	A	RES 22.1R 1% 1/8W 0805
4	19	01-24-2490	1		R243	A	RES 249R 1% 0805
4	20	01-24-2491	4		R89,R95,R219-220	A	RES 2.49K 1% 0805
4	21	01-24-2741	2		R157-158	A	RES 2.74K 1% 0805
4	22	01-24-3011	6		R189,R191,R286-287,R291-292	A	RES 3.01K 1% 0805
4	23	01-24-3090	2		R179-180	A	RES 309R 1% 0805
4	24	01-24-30R1	3		R67,R69,R190	A	RES 30.1R 1% 0805
4	25	01-24-3320	4		R281-284	A	RES 332R 1% 0805
4	26	01-24-40R2	1		R285	A	RES 40.2R 1% 0805
4	27	01-24-4421	2		R223-224	A	RES 4.42K 1% 0805
4	28	01-24-4750	1		R5	A	RES 475R 1% 0805
4	29	01-24-4751	2		R123-124	A	RES 4.75K 1% 0805
4	30	01-24-4752	1		R6	A	RES 47.5K 1% 0805
4	31	01-24-47R5	8		R108-109,R116-119,R136-137	A	RES 47.5R 1% 0805
4	32	01-24-4870	1		R65	A	RES 487R 1% 0805
4	33	01-24-5110	2		R91,R97	A	RES 511R 1% 0805
4	34	01-24-5R11	5		R7,R10,R256,R265,R273	A	RES 5.11R 1% 0805
4	35	01-24-6040	2		R253,R255	A	RES 604R 1% 1/8W 0805
4	36	01-24-6810	2		R160-161	A	RES 681R 1% 0805
4	37	01-24-7501	4		R20-21,R120-121	A	RES 7.50K 1% 0805
4	38	01-24-8250	2		R221-222	A	RES 825R 1% 0805
4	39	01-24-8871	12		R77,R82,R90,R99,R126,R132,R140-142,R147,R166,R174	A	RES 8.87K 1% 0805
4	40	01-24-88R7	1		R64	A	RES 88.7R 1% 0805
4	41	01-24-9090	2		R156,R159	A	RES 909R 1% 0805
4	42	01-25-0000	1		R226	A	RES 0R 1% 0603
4	43	01-25-01R0	2		R304-305	A	RES 1.0R 1% 0603
4	44	01-25-0221	6		R322-327	A	RES 220R 1% 1/10W 0603
4	45	01-25-1001	17		R41,R83,R110,R113,R115,R173,R177,R181-183,R229,R232,R237,R251,R290,R295,R319	A	RES 1.00K 1% 0603
4	46	01-25-1002	36		R3,R22-23,R25,R53-57,R60,R70,R72,R84,R87,R103-107,R127-128,R149-150,R163,R165,R171,R176,R178,R235,R263-264,R272,R288-289,R293-294	A	RES 10.0K 1% 0603
4	47	01-25-1003	4		R49,R101,R227,R301	A	RES 100K 1% 0603
4	48	01-25-1004	3		R13,R71,R88	A	RES 1.00M 1% 0603
4	49	01-25-10R0	2		R75,R240	A	RES 10.0R 1% 0603
4	50	01-25-1100	2		R73,R300	A	RES 110R 1% 1/10W 0603
4	51	01-25-1151	1		R175	A	RES 1.15K 1% 1/10W 0603
4	52	01-25-1183	1		R212	A	RES 118K 1% 1/10W 0603
4	53	01-25-1244	1		R239	A	RES 1.24M 1% 1/10W 0603
4	54	01-25-1400	1		R68	A	RES 140R 1% 1/10W 0603
4	55	01-25-1501	2		R37-38	A	RES 1.50K 1% 1/10W 0603
4	56	01-25-1651	1		R278	A	RES 1.65K 1% 1/10W 0603
4	57	01-25-1820	1		R307	A	RES 182R 1% 1/10W 0603
4	58	01-25-2001	28		R16-19,R58-59,R61-62,R78-81,R93-94,R96,R98,R133-134,R138-139,R145,R148,R151-152,R167-170	A	RES 2.00K 1% 0603

4	59	01-25-2151	4		R192,R194,R231,R266	A	RES 2.15K 1% 1/10W 0603
4	60	01-25-2210	1		R51	A	RES 221R 1% 1/10W 0603
4	61	01-25-2212	1		R8	A	RES 22.1K 1% 1/10W 0603
4	62	01-25-2213	1		R238	A	RES 221K 1% 1/10W 0603
4	63	01-25-22R1	5		R195-196,R201-202,R1	A	RES 22.1R 1% 1/10W 0603
4	64	01-25-2320	2		R27,R197	A	RES 232R 1% 1/10W 0603
4	65	01-25-2491	1		R308	A	RES 2.49K 1% 1/10W 0603
4	66	01-25-2802	1		R309	A	RES 28.0K 1% 1/10W 0603
4	67	01-25-4022	1		R187	A	RES 40.2K 1% 1/10W 0603
4	68	01-25-4750	2		R252,R316	A	RES 475R 1% 1/10W 0603
4	69	01-25-4751	14		R24,R29-30,R42,R86,R102,R186,R205-208,R214,R250,R254	A	RES 4.75K 1% 1/10W 0603
4	70	01-25-4752	6		R11,R184-185,R188,R199-200	A	RES 47.5K 1% 1/10W 0603
4	71	01-25-4872	1		R100	A	RES 48.7K 1% 1/10W 0603
4	72	01-25-4994	1		R172	A	RES 4.99M 1% 1/10W 0603
4	73	01-25-5R11	2		R35-36	A	RES 5.11R 1% 1/10W 0603
4	74	01-25-6490	2		R39-40	A	RES 649R 1% 1/10W 0603
4	75	01-25-6982	1		R211	A	RES 69.8K 1% 1/10W 0603
4	76	01-25-7320	1		R31	A	RES 732R 1% 1/10W 0603
4	77	01-25-75R0	1		R242	A	RES 75R 1% 1/10W 0603
4	78	01-28-3010	1		R241	A	RES 301R 1% 1/4W 1206
4	79	01-28-R221	3		R302-303,R310	A	RES 0.22R 1% 1/4W 1206
4	80	01-28-R270	1		R306	A	RES 0.270R 1% 1/4W 1206
4	81	01-48-0023	1		R85	A	POT DUAL 5KC LOG TAPER HORIZ M T 25MM RN
4	82	01-48-0103	7		R209-210,R217-218,R230,R233-234	A	POT MONO 10KB LINEAR TAPER 25 mm D-SHAFT
4	83	03-10-0478	3		C154,C343,C346	A	CAP ELEC 4700uF 6.3V 20% RADIAL 12.5/20/
4	84	03-10-1107	3		C142,C234-235	A	CAP ELEC 100uF 6.3V 20% RADIAL 5/11/5
4	85	03-10-6108	1		C337	A	CAP ELEC 1000uF 6.3V 20% RADIA
4	86	03-12-0107	3		C153,C264-265	A	CAP ELEC 100uF 16V 20% RADIAL 6.3/11/5
4	87	03-12-0108	1		C345	A	CAP ELEC 1000uF 16V 20% RADIAL 10/16/5
4	88	03-12-0228	1		C276	A	CAP ELEC 2200uF 16V 20% RADIAL 12.5/20/5
4	89	03-12-0476	3		C268,C270,C279	A	CAP ELEC 47uF 16V 20% RADIAL 6.3/11.2/5
4	90	03-14-0107	1		C244	A	CAP ELEC 100uF 25V 20% RADIAL 6.3/11.2/5
4	91	03-14-0108	2		C123,C366	A	CAP ELEC 1000uF 25V 20% RADIAL 10/20/5
4	92	03-18-0105	11		C185-186,C255,C269,C278,C299,C302,C308,C315,C319,C324	A	CAP ELEC 1uF 50V 20% RADIAL 5/11/5
4	93	03-18-0106	17		C124-125,C149-150,C211,C259-261,C266,C273-275,C277,C328,C330-331,C333	A	CAP ELEC 10uF 50V 20% RADIAL 5/11/5
4	94	03-20-0107	2		C162-163	A	CAP ELEC 10uF 63V 20% RADIAL 5/12/5
4	95	03-36-0224	1		C347	A	CAP ESTR 0.22uF 50V 5% TH 11/6/11.5/7.5
4	96	03-44-0331	2		C189,C199	A	CAP NPO 330PF 1000V 5% 1206
4	97	03-45-0473	1		C64	A	CAP FILM 47nF 16V 20% 1206
4	98	03-46-1104	1		C205	A	CAP X7R .1UF 500V 10% 1812
4	99	03-50-0101	2		C9,C25	A	CAP NPO 100pF 50V 5% 0805
4	100	03-50-0120	2		C121-122	A	CAP NPO 12pF 50V 5% 0805

4	101	03-50-0272	6		C147,C157,C176-177,C180,C192	A	CAP NPO 2.7nF 50V 5% 0805
4	102	03-50-0330	1		C327	A	CAP NPO 33pF 50V 5% 0805
4	103	03-50-0391	12		C72-75,C146,C151,C155,C158,C178,C181,C188,C194	A	CAP NPO 390pF 50V 5% 0805
4	104	03-50-0561	2		C43-44	A	CAP NPO 560pF 50V 5% 0805
4	105	03-52-0101	2		C53,C56	A	CAP X7R 100pF 50V 10% 0805
4	106	03-52-0102	2		C82,C86	A	CAP X7R 1nF 50V 10% 0805
4	107	03-52-0104	5		C5,C119,C172,C325-326	A	CAP X7R 0.1uF 50V 10% 0805
4	108	03-52-0331	4		C164-167	A	CAP X7R 330pF 50V 10% 0805
4	109	03-52-0334	1		C336	A	CAP X7R 0.33uF 25V 10% 0805
4	110	03-52-0472	6		C67,C69,C78-81	A	CAP X7R 4.7nF 50V 10% 0805
4	111	03-52-0473	3		C70-71,C242	A	CAP X7R 47nF 50V 10% 0805
4	112	03-56-0100	2		C61-62	A	CAP NPO 10pF 50V 5% 0603
4	113	03-56-0101	26		C7,C23,C26-27,C30-31,C49,C76-77,C84,C174-175,C179,C182-183,C187,C196,C209,C239,C282,C303,C306-307,C310,C318,C321	A	CAP NPO 100pF 50V 5% 0603
4	114	03-56-0102	9		C6,C8,C32,C304-305,C316-317,C329,C332	A	CAP NPO 1nF 50V 5% 0603
4	115	03-56-0221	4		C339,C361,C368-369	A	CAP NPO 220pF 50V 5% 0603
4	116	03-56-0331	1		C206	A	CAP NPO 330pF 50V 5% 0603
4	117	03-56-0470	2		C63,C190	A	CAP NPO 47pF 50V 5% 0603
4	118	03-57-0105	2		C207-208	A	CAP X5R 1uF 10V 10% 0603
4	119	03-58-0102	27		C13,C16,C18-21,C24,C28-29,C36,C40-41,C46-47,C87,C90,C93,C98-101,C134,C143-144,C216,C222,C301	A	CAP X7R 1nF 50V 10% 0603
4	120	03-58-0103	9		C2,C35,C132,C139,C228,C230,C348-350	A	CAP X7R 10nF 50V 10% 0603
4	121	03-58-0104	133		C1,C4,C10-12,C14-15,C17,C22,C33-34,C37-39,C42,C45,C48,C50,C54-55,C57-60,C65-66,C68,C83,C85,C88-89,C91-92,C94-97,C102,C104-118,C126,C129,C131,C133,C135-138,C140-141,C145,C152,C159-160,C168-171,C173,C184,C191,C193,C195,C197-198,C210,C214-215,C218-221,C224-226,C232,C236-238,C240-241,C246-251,C256,C263,C281,C283,C291-294,C296-298,C300,C309,C311-314,C320,C322-323,C334-335,C338,C341-342,C351-354,C362,C365,C370,C374	A	CAP X7R 0.1uF 25V 10% 0603
4	122	03-58-0472	2		C51-52	A	CAP X7R 4.7nF 50V 10% 0603
4	123	03-80-0107	1		C267	A	CAP ELEC 100uF 10V 20% SM 6.3/5.4/7.8
4	124	03-80-0108	2		C203,C359	A	CAP ELEC 1000uF 6.3V 20% SM 10/10.2/12
4	125	03-80-0227	1		C253	A	CAP ELEC 220UF 10V 20% SM 8/7.7/9.5
4	126	03-80-1477	1		C262	A	CAP ELEC 470uF 6.3V 20% VS SM
4	127	03-82-0106	2		C127-128	A	CAP ELEC 10uF 16V 20% SM 4/5.4/5.5
4	128	03-82-0107	5		C148,C156,C200-201,C357	A	CAP ELEC 100uF 16V 20% VS SM
4	129	03-82-0477	3		C355-356,C363	A	CAP ELEC 470uF 16V 20% SM 10/10.2/12
4	130	03-84-0477	3		C103,C120,C364	A	CAP ELEC 470uF 25V 20% SM 10/1 0.2/12
4	131	03-88-0105	1		C161	A	CAP ELEC 1uF 50V 20% VS SM
4	132	03-88-0106	3		C3,C130,C204	A	CAP ELEC 10uF 50V 20% VS SM
4	133	04-01-0004	2		L4,L58	A	INDUCTOR CHOKE 150uH 0.4R 1A SM SHIELDED
4	134	04-01-0100	2		L35,L59	A	INDUCTOR DRUM-CORE 10uH @ 2.52MHz 1.15A

4	135	04-04-0001	2		L36,L56	A	FERRITE BEAD 3 TURN 600R @ 100MHZ MATERI
4	136	04-05-0004	2		L14,L16	A	FERRITE BEAD 400mA 1500 OMH 0805
4	137	04-05-0012	3		L328-330	A	FERRITE BEAD 68R @ 100MHZ 300MA 0805 SM
4	138	06-20-0099	8		D17,D19,D24-26,D30-31,D69	A	DIODE GEN PUR DUAL 70V 215mA 6 nS SOT-23
4	139	06-23-0054	9		D18,D20-22,D45,D54-55,D57-58	A	DIODE SCHOTTKY DUAL 30V 200mA 5nS SOT-23
4	140	06-23-0340	2		D4-5	A	DIODE SCHOTTKY 3A 40V SMA SM
4	141	06-28-0001	3		D3,D6-7	A	DIODE ZENER 10V 2% 250MW TO-23 6AB SM
4	142	06-32-0130	2		D36,D77	A	DIODE SCHOTTKY 1A 30V SMB SM
4	143	06-32-0340	1		D72	A	DIODE SCHOTTKY 3A 40V SMB SM
4	144	06-34-0016	27		D15-16,D35,D37-44,D46-53,D61-62,D64-67,D70,D80	A	DIODE SWITCHING 75V 200mA 6nS SOT-23 SM
4	145	09-06-7002	1		Q12	A	TRANS MOSFET N-CHAN 60V 7R5 SOT-23 SM
4	146	09-10-0600	1		Q15	A	TRANS PNP 60V 6.0A 100MHZ SOT- 223 SM
4	147	09-10-0860	2		Q3,Q5	A	TRANS PNP EPITAXIAL SILICON SO T-23 SM
4	148	09-10-4401	7		Q2,Q4,Q7,Q10-11,Q13-14	A	TRANS NPN SMALL SIGNAL SOT-23 SM
4	149	09-10-4403	1		Q6	A	TRANS PNP SMALL SIGNAL SOT-23 SM
4	150	09-10-6102	2		Q8-9	A	TRANS N-CHANNEL MOSFET SOT-23 SM
4	151	09-14-3098	1		Q16	A	TRANS MOSFET P-CHAN 30V 3.8A S OT-23 SMD
4	152	11-00-0003	1		Y1	A	CRYSTAL 24MHZ 2 PIN LOW PROFIL E METAL C
4	153	11-01-0003	1		Y3	A	OSCILLATOR 22.5792MHZ 3.3V SM 3. 2X2.5MM
4	154	11-01-0004	1		Y2	A	OSCILLATOR 24.5760MHZ 3.3V SM 3. 2X2.5MM
4	155	11-10-0501	2		L39-40	A	FERRITE BEAD 500R @100MHz 2.5A 1206 SM
4	156	11-10-2012	33		L1-3,L5-8,L11-13,L17,L19,L22-23,L27-33,L38,L41-46,L50-54	A	FERRITE BEAD 600R @ 100MHz 300 mA 0805 S
4	157	11-33-0000	1		T2	A	XFMR AUDIO DIGITAL X-MISSION 1 :1 W/ CEN
4	158	11-33-0120	1		T1	A	XFMR AUDIO DIGITAL X-MISSION 1:1
4	159	12-52-0003	2		U46-47	A	IC REG LINEAR LDO +5V 500mA SM
4	160	12-52-1118	1		U51	A	IC REG 1.8V LDO LINEAR 800mA S OT-223 SM
4	161	12-52-1119	1		U44	A	IC VREG LINEAR LDO ADJ 800MA L M1117 DPA
4	162	12-54-0072	4		U15-16,U19,U43	A	IC OP AMP DUAL TL072 SM
4	163	12-54-0074	5		U13,U17-18,U20-21	A	IC OP AMP TL074 SM
4	164	12-54-0134	1		U23	A	IC OP AMP - OPA134UA SM SO-8
4	165	12-54-5538	2		U22,U31	A	IC OP AMP DUAL LO NOISE SO-8 S M
4	166	12-62-0053	1		U29	A	IC SWITCH ANALOG TRIPLE 2-CHAN TSSOP-16
4	167	12-62-4051	1		U14	A	IC SWITCH ANALOG 8-CHAN TSSOP- 16 SM
4	168	12-64-4272	3		U40-42	A	IC STEREO AUDIO CODEC 24 BIT 192 KHz CS4
4	169	15-40-6137	1		U49	A	IC OPTO ISOLATOR 6N137 10MBIT DIP 8-PIN
4	170	15-40-6138	1		U4	A	IC 6N138 OPTO-ISOLATOR DIP-8 TH

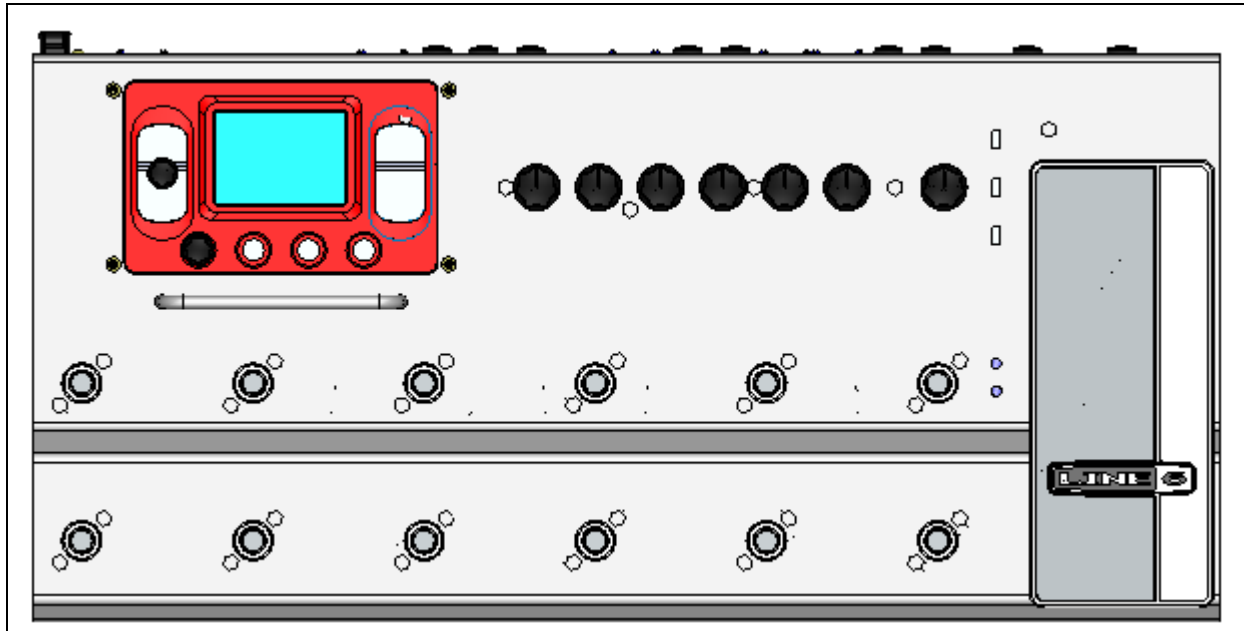
4	171	15-62-0004	1		U3	A	IC 74HC04 HEX INVERTER SO-14 S M
4	172	15-64-0273	3		U35-37	A	IC 74HCT273 FLIP-FLOP D-TYPE 8-BIT SO-20
4	173	15-65-0000	1		U8	A	IC 74LCX00 LOW VOLTAGE CMOS QUAD 2 INPUT
4	174	15-65-0002	1		U7	A	IC 74LCX02 LOW VOLTAGE CMOS QUAD 2 INPUT
4	175	15-65-0004	1		U11	A	IC 74LVC04 LOW VOLTAGE CMOS HEX INVERTER
4	176	15-65-0015	1		U9	A	IC SN74LVC14AD LOW VOLTAGE CMO S INV HEX
4	177	15-67-0179	1		U26	A	IC DIFF DRIVER/RECPAIR RS-485 SO-8 SM
4	178	15-67-3295	1		U50	A	IC RS-485/422 LINE DRIVER 3.3V SOT-23-6
4	179	15-68-2392	2		U45,U48	A	IC CONTROLLER JRC NJM2392 DMP- 8 SMD
4	180	15-68-6801	1		U1	A	IC CONTROLLER USB 2.0 w/8052 MCU CY7C680
4	181	15-70-0010	2		U5,U25	A	IC SDRAM 3.3V 64MB 200MHZ 1M X 16 X 4 TSOP-54
4	182	15-78-0256	1		U6	A	IC EEPROM 256K 2.5V 400KHz CMO S SOIC-8
4	183	15-78-6401	1		U39	A	IC FLASH 64Mb 3.3V 70nS TSOP-4 8 SM
4	184	15-79-0088	1		U2	A	IC MEMORY SECURE AT88SC153-00 -2.7 8S1 (
4	185	15-84-2220	1		U28	A	IC MCU 16/32 BIT ARM W/64K ADC LPC2220 L
4	186	15-86-3669	1		U10	A	IC DSP SHARC PROCESSOR 32 BIT 366MHZ ADS
4	187	15-92-5809	1		U27	A	IC RESET 3 PIN 3.3V ACTIVE LOW OUTPUT SO
4	188	21-00-0014	1		J22	A	JACK BARREL PCB MT 2.5MM DC POWER 3 PIN
4	189	21-00-6617	9		J7-9,J11-12,J15-16,J18,J21	A	"JACK 1/4"" TRS 6-PIN PCB MT HORIZ TH W/C"
4	190	21-02-0008	1		J6	A	JACK RCA 3 PIN FEMALE RT ANGLE PCB MOUNT
4	191	21-04-5075	2		J2-3	A	JACK DIN 5-PIN FEMALE MIDI PCB-MNT RT-AN
4	192	21-08-0002	1		J10	A	JACK XLR FEMALE PCB MOUNT RT ANGLE W/NO
4	193	21-08-0013	3		J13-14,J23	B	JACK XLR MALE PCB MNT RT ANGLE TH NEUTRIK-
4	194	21-12-0035	1		J17	A	JACK 3.5MM STEREO 5 PIN CRIMPE D LEADS N
4	195	21-16-0001	1		J5	A	JACK RJ-45 9 PIN IN XLR SHELL PCB MOUNT
4	196	21-18-0002	1		BR2	A	TERMINAL SCREW PCB MOUNT RIGHT ANGLE SNA
4	197	21-20-0206	2		H3A,H3B	A	HDR SIL PCB-MT 6 PIN x 2MM MALE SHRD VE
4	198	21-21-0001	1		J4	A	JACK USB SERIES B SHIELDED PCB MNT BLACK
4	199	21-21-0006	1		H2	A	HDR DIL PCB-MT 20 PIN 2 x 10 x .100 MALE
4	200	24-09-0002	3		SW4-6	A	SWITCH SLIDE DPDT VERT PCB MNT

4	201	24-09-0010	1		K1	A	SWITCH SLIDE 4 POLE DOUBLE TH ROW. 3.0
4	202	24-12-0001	4		E2-5	A	ENCODER 24 STEP w/25MM SHFT TH
4	203	24-12-0006	1		E1	A	ENCODER 20 STEP w/SWITCH 15MM D-SHAFT ME
4	204	24-31-0002	8		SW1-3,SW7-11	A	SWITCH TACT 6MM SQ 4 PIN W/RND
4	205	30-00-0266	2			A	"SCREW #3-48 UNC X 1/2"" SOCKET HEAD STEE"
4	206	30-06-0018	2			A	NUT HEX #3-48 STL
4	207	30-15-0007	1			A	INSULATOR XTAL 4.9MM C-C 11.8 x 5.6MM MY
4	208	30-15-4028	2			A	SPACER 0.18 ODX 0.1 ID X 0.2 H NYLON
4	209	30-18-3030	16		GF1-16	A	CLIP GROUND PCB .30 x .30 x .0 7
4	210	30-27-0219	2			A	SPRT DUAL LKG CKT BD TEARDROP 3/16 NYLO
4	211	30-51-0146	2		SH1-2	A	SHIELD PCB MT FOR 1/4 JACK 1.00 Hx1.25Wx
4	212	30-51-0458	1		SH3	C	SHIELD INPUT JACK COPPER NICKE L PLATED
4	213	35-00-0386-1	1			D	PCB MAIN 4-LAYER P18-1
4	214	40-30-2000	1			A	LABEL ESN 38.10 x 6.35mm THERMAL XFR GLO
4	215	45-02-0080	1			1.00	IC PROGRAMMED FLASH P25-1
5	1	15-78-6401	1			A	IC FLASH 64Mb 3.3V 70nS TSOP-4 8 SM
4	216	50-02-0156	1		JMP1	A	PCBA DISPLAY LCD 128X64 POS GRAPHIC 6:00 P25/P26
5	1	18-30-0026	1			A	DISPLAY LCD MODULE 128X64 POS GRAPHIC 6:00 (APPROVED FOR P25/P26)
5	2	21-30-0035	1			D	CBL RIBBON SIL 20 PIN 26AWG .100 CENTRES
4	217	30-65-0034	1			A	RUBBER TAPE/ADHESIVE FOR INSUL ATOR PCBA
4	218	01-25-1500	1		R66	A	RES 150R 1% 0603
3	2	50-02-0386-2	1			B	PCBA PEDAL P18-1
4	1	03-52-0104	2		C119,C325	A	CAP X7R 0.1uF 50V 10% 0805
4	2	11-10-2012	2		L50-L51	A	FERRITE BEAD 600R @ 100MHz 300 mA 0805 S
4	3	21-00-6617	1		J21	A	"JACK 1/4"" TRS 6-PIN PCB MT HORIZ TH W/C"
4	4	30-18-3030	1		GF16	A	CLIP GROUND PCB .30 x .30 x .0 7
4	5	35-00-0386-2	1			D	PCB PEDAL 4-LAYER P18 HD500/P25 HD550
3	3	50-02-0386-3	1			B	PCBA PEDAL SWITCH P18-1
4	1	01-24-1002	4		R275-R277,R280	A	RES 10.0K 1% 0805
4	2	03-18-1105	1		C254	A	CAP ELEC 1uF 50V 20% RADIAL 3/5/5
4	3	03-52-0104	1		C326	A	CAP X7R 0.1uF 50V 10% 0805
4	4	06-20-0099	1		D69	A	DIODE GEN PUR DUAL 70V 215mA 6 nS SOT-23
4	5	09-20-0095	1		Q1	A	PHOTOTRANSISTOR BLUE LENS LEDTECH LT5K95
4	6	18-27-0083	1		D11	A	LED INFRA-RED 880MM CLEAR LENS
4	7	21-20-0206	1		H3B	A	HDR SIL PCB-MT 6 PIN x 2MM MAL E SHRD VE
4	8	35-00-0386-3	1			D	PCB PEDAL SWITCH 4-LAYER P18 HD500/P25 HD550
2	46	35-00-0386-4	1			D	PCB PEDAL SUPPORT 4-LAYER P18- 1
2	50	50-02-0234	1			A	PCBA FOOTSWITCH POD HD550 P25

3	1	50-02-0234-1	1			A	PCBA FOOTSWITCH P25-1
4	1	01-25-2490	12		R1-12	A	RES 249R 1% 1/10W 0603
4	2	18-02-0002	1		D13	A	LED RED DIFFUSED LENS 5V T-1 3MM 635nm T
4	3	18-04-0001	1		D14	A	LED GREEN SUPER BRIGHT TH
4	4	18-20-0011	12		D15-26	A	LED HYPER RED 3.5MM X 2. 8MM SM
4	6	24-31-1105	6		SW1-6	A	SWITCH TACT 6mm SQ 4-PIN TH
4	7	35-00-0234-1	1			A	PCB FOOTSWITCH P25-1
4	8	30-15-0035-1	2			A	SPACER LED 4.5MM DIA. x 13MM NYLON
3	2	50-02-0234-2	1			A	PCBA FOOTSWITCH HD550 P25
4	1	01-25-2490	12		R13-24	A	RES 249R 1% 1/10W 0603
4	2	18-20-0011	12		D1-6,D27-32	A	LED HYPER RED 3.5MM X 2. 8MM SM
4	4	24-31-1105	6		SW7-12	A	SWITCH TACT 6mm SQ 4-PIN TH
4	5	35-00-0234-2	1			A	PCB FOOTSWITCH P25-1
3	3	21-30-0060	1		H1-H2	A	CABLE RIBBON DIL 20 0.1INCH 6 INCH STAKE
2	51	21-30-0060	1			A	CABLE RIBBON DIL 20 0.1INCH 6 INCH STAKE
2	54	50-03-0129	12			B	ASSY FOOTSWITCH W/LIGHTPIPE P25-1
3	1	30-27-0260	1			A	FOOTSWITCH PUSH PIN .15 DIA x .15 LONG A
3	2	30-27-0658	1			A	HALO LIGHT PIPE P25
3	4	30-51-0295	1			A	"CLIP E STYLE FOR 7/32"" DIA SHAFT STEEL B"
3	5	30-51-0624	1			B	FOOTSWITCH PLUNGER P21/P25
3	6	30-51-0625	1			A	FOOTSWITCH BASE P21/P25
3	7	30-51-4039	1			A	CONICAL SPRING FOOTSWITCH LARGE P21/P25
3	9	30-51-0687	1			A	SPRING 5.5 COIL 3.3 X 8.5 X 0.4MM STL XIN P21/P25
2	62	50-03-0072	1			C	ASSY FOOT PEDAL - X5-1
3	1	30-00-0199	1	EA		B	"SCREW 1/4 20 UNC SCHS 2.795"" S TEEL BO"
3	2	30-03-0003	2	EA		A	WASHER .473 X.260X .030 STL
3	3	30-03-0042	2	EA		F	WASHER SHOULDER .50 .260 .880 NYLON
3	4	30-06-0009	1	EA		A	NUT 1/4-20 STL W/NYLON LOCK
3	5	30-27-0449	1	EA		A	REFLECTOR REFLECTING LIGHT PVC X5-1
3	6	30-48-0010	1	EA		A	FOOT RUBBER w/ADHESIVE 3M BUMPON SJ-5012
3	7	30-51-0415	1	EA		E	BRACKET PEDAL STEEL 2.15 .925 1.38 X5-1
3	8	30-51-0417	1	EA		G	PEDAL FOOT STEEL 3.35" WD .71" HT 7.80" LG
3	9	30-60-0009	1	EA		A	LOGO LINE 6 P3-1
3	10	30-65-0025	1	EA		A	TAPE ANTI SLIP 54MM 200MM NON ABRASIVE P
3	11	30-65-0026	1	EA		A	TAPE ANTI SLIP 22MM 200MM NON ABRASIVE P
3	12	30-75-0011	1	EA		A	STOP PEDAL RUBBER .81SQ x .52 BLACK
2	63	30-00-0306	24			A	SCREW M3 X 8 SHEET METAL PHILLIPS PH STEEL BLK ZN
2	65	30-00-0190	24			A	"SCREW 6-32 UNC x .375"" ROUND HEAD PHILLI"
2	66	30-03-0067	24			A	WASHER 4.3 ID 9.0 OD 0.8 THK STEEL BLK ZN
2	67	30-03-0072	24			A	PLASTIC WASHER ID3.2 OD6.0 THK1.0 P25-1

1	16	50-50-0054	1			A	CARTON GIFT W/ARTWORK POD HD550 P25-1
2	1	41-10-0068	0			D	ARTWORK CARTON GIFT BOX POD HD500X P25-1
2	2	40-10-0358	1			E	CARTON GIFT POD X4-LIVE P18-1
1	17	40-10-0359	1			A	CARTON SHIPPING POD X4 LIVE P18-1
1	18	40-15-0067	1			B	ENDCAP FOAM SHIPPING RIGHT POD X4 LIVE P
1	19	40-15-0068	1			B	ENDCAP FOAM SHIPPING LEFT POD X4 LIVE P1
1	21	40-00-0351	1			C	MANUAL QUICK START P25
1	22	90-00-0048	1			A	DOCUMENTATION BOM POD HD550 P25-1
2	1	90-20-0173	0			A	STANDARD PART NUMBER/SERIAL NUMBER LABEL SPECIFICATION
2	2	90-20-0228	1			A	INSTRUCTION UNIT ASSEMBLY POD HD550
2	3	90-20-0229	1			A	PCBA TEST PROCEDURE HD550
2	4	90-20-0232	1			A	INSTRUCTION FINAL TEST POD HD550
2	5	90-20-0236	1			A	PACKOUT INSTRUCTION HD550
2	6	90-20-0247	1			A	INSTRUCTION ASSY PCBA MAIN POD HD550 P25

90-20-0228 POD HD550 Complete Unit Assembly Instructions 59-00-0162 Rev X0



Forward and Notes

The information in this booklet applies to the mechanical assembly of the POD HD550 Chassis (59-00-0162). 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 MM.
- Part identifying notes are in this format: Description (Part Number)
- Drawings are not to scale.
- Torque value tolerance +/- .57cm-kg. 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
X0	INITIAL RELEASE

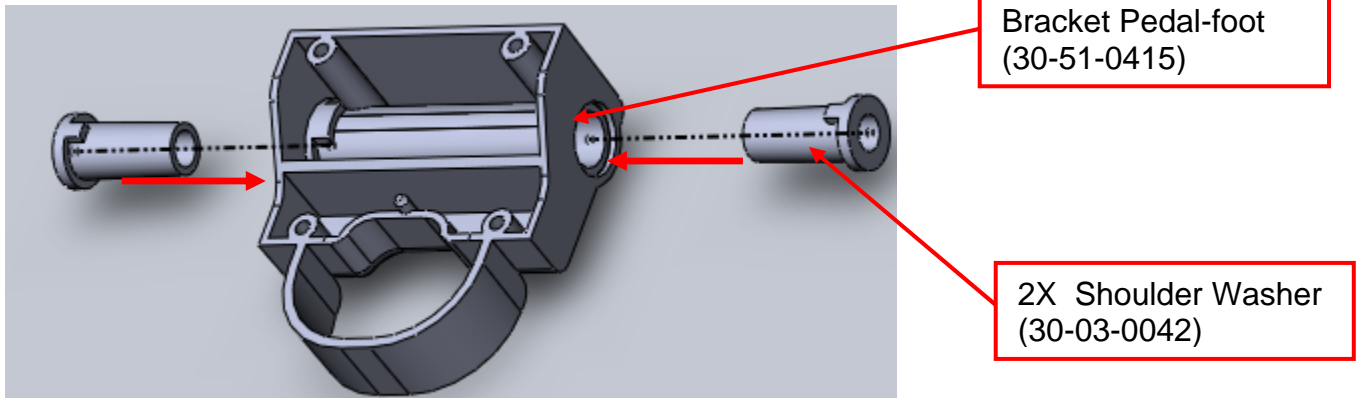
STEP 1:

P/N required:

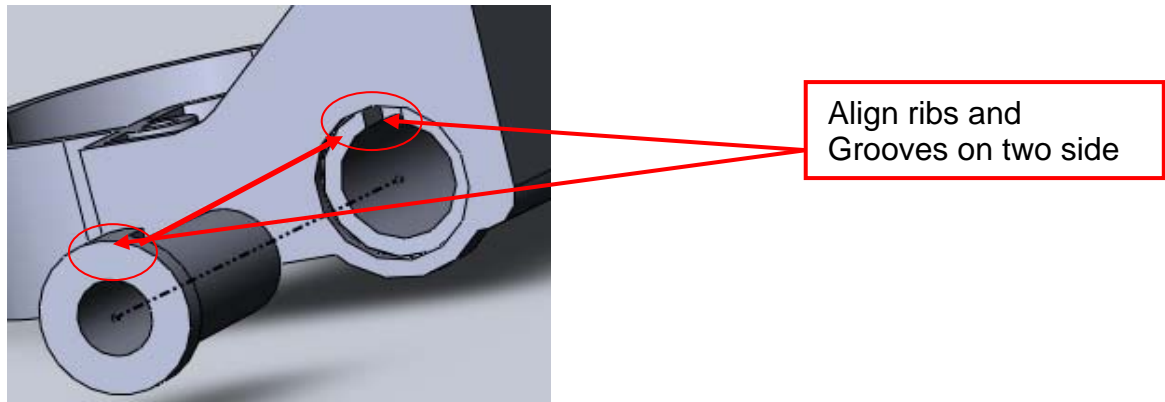
1 each 30-51-0415 - Bracket Pedal foot

2 each 30-03-0042 – Shoulder Washer

Insert two (2) Shoulder Washers into the holes on the side of the Bracket Pedal-foot as shown .



Pay attention that align the rib on Washer with the groove on the Bracket .

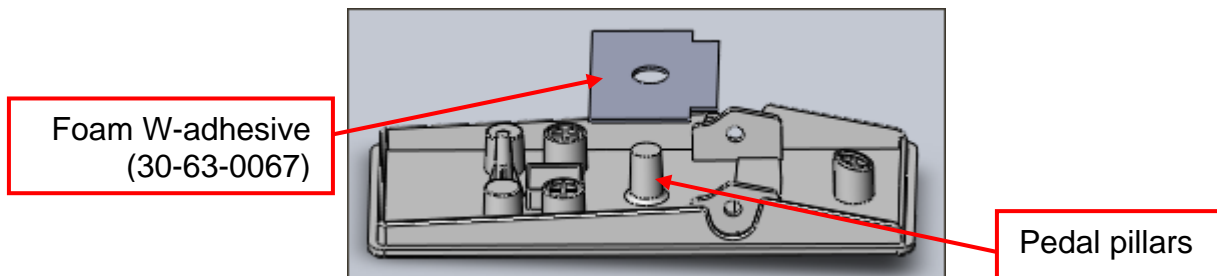


STEP 2:

P/N required:

1 each 30-63-0067 - Foam W-adhesive

Foam W - adhesive on the bottom of Pedal in assembly. Assembly benchmark for Pedal pillars of Foam through holes.

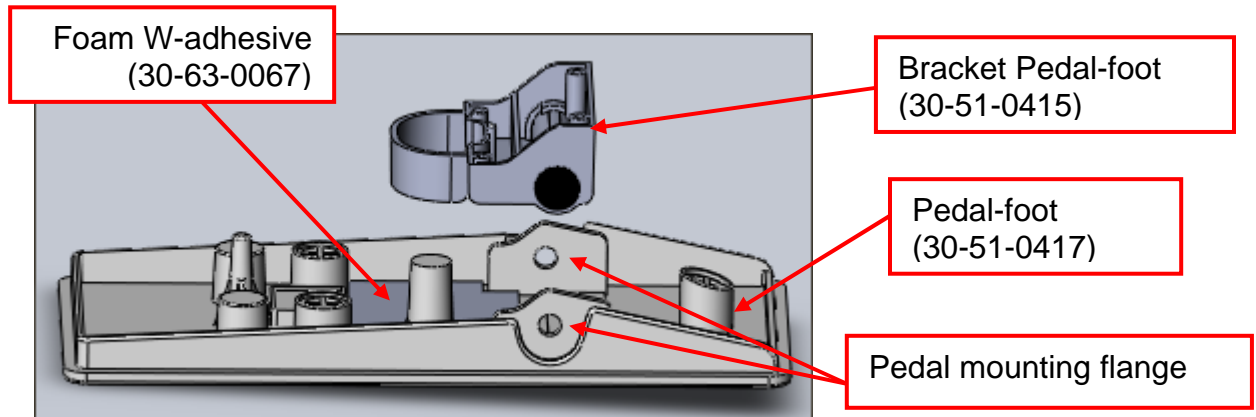


STEP 3:

P/N required:

1 each 30-51-0417 - Pedal foot

Position the foot pedal bracket/shoulder washer assembly onto the foot pedal between the foot pedal mounting flanges. Align the holes on the pedal bracket with the holes on the foot pedal flanges.



STEP 4:

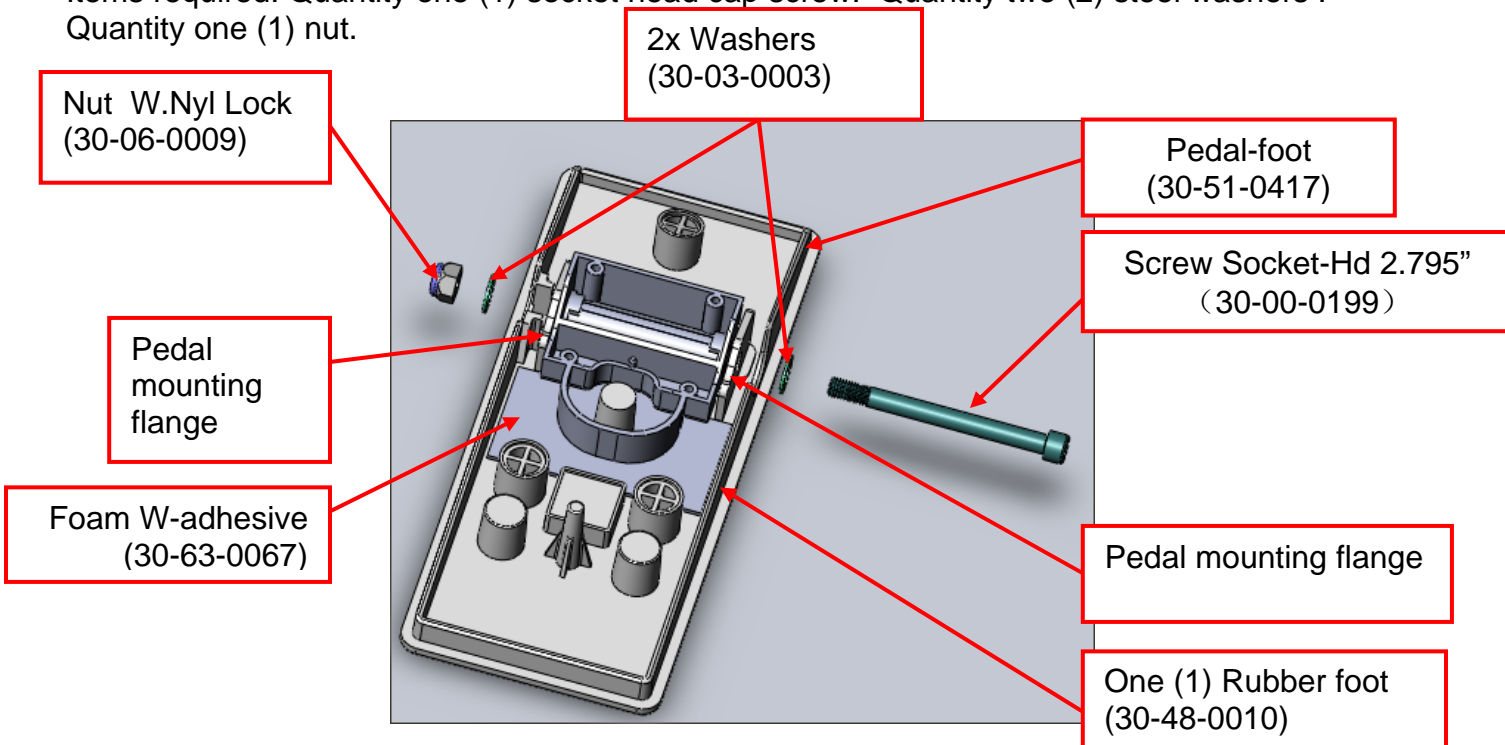
1 each 30-06-0009 - Nut W.Nyl Lock

2 each 30-03-0003 - Washer steel

1 each 30-00-0199 – Screw Socket_Hd

Secure the pedal bracket assembly (with the shoulder washers) to the pedal through the holes in the pedal mounting flanges using the mounting hardware in the sequence shown. Torque 27.4-32.6 cm-kg.

Items required: Quantity one (1) socket head cap screw. Quantity two (2) steel washers. Quantity one (1) nut.

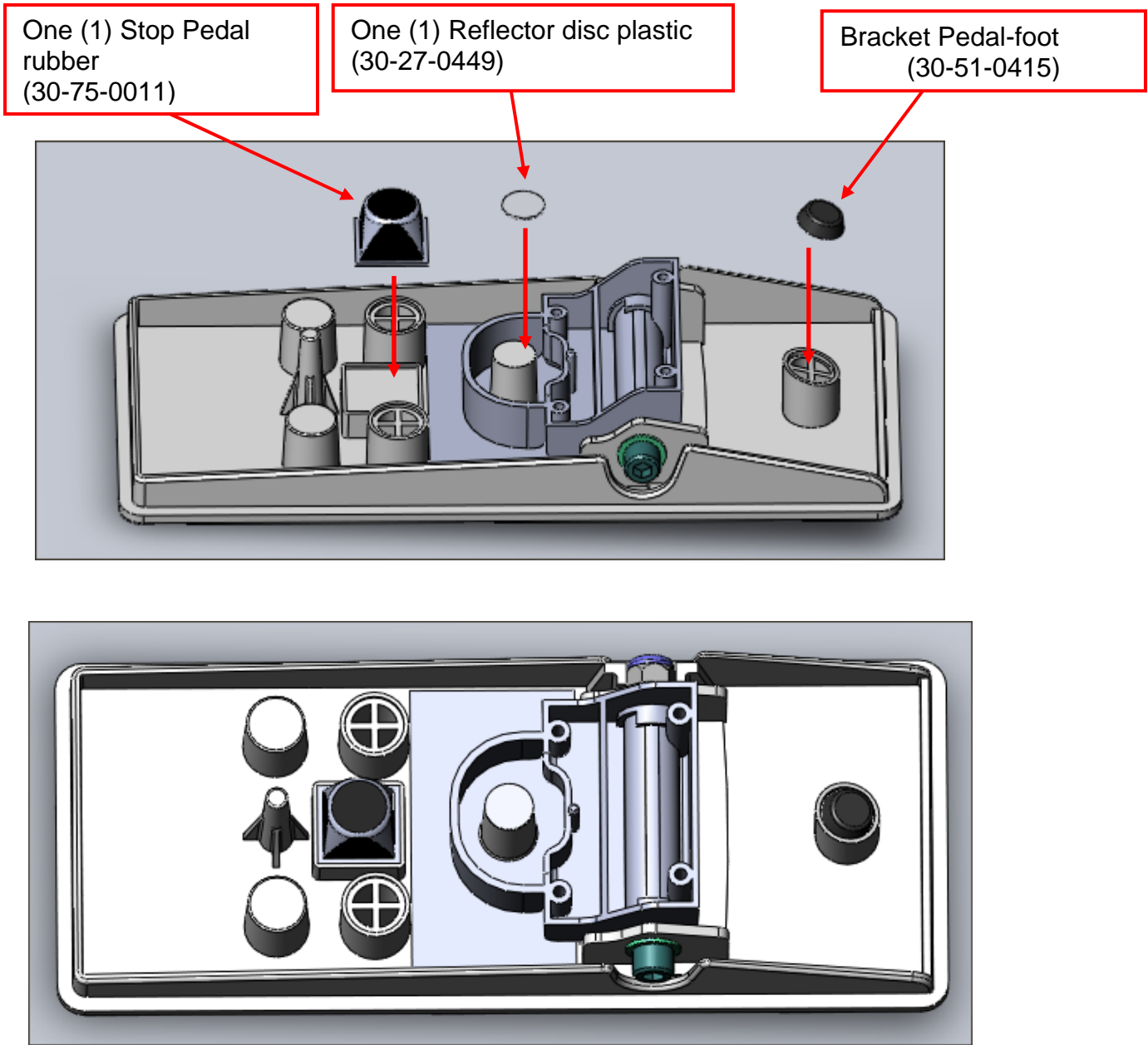


STEP 5:

P/N required:

- 1 each 30-75-0011 – Stop Pedal rubber
- 1 each 30-27-0449 – Reflector disc plastic
- 1 each 30-48-0010 - Rubber foot

Apply the pedal components in the applicable locations on the pedal as shown.





STEP 6:

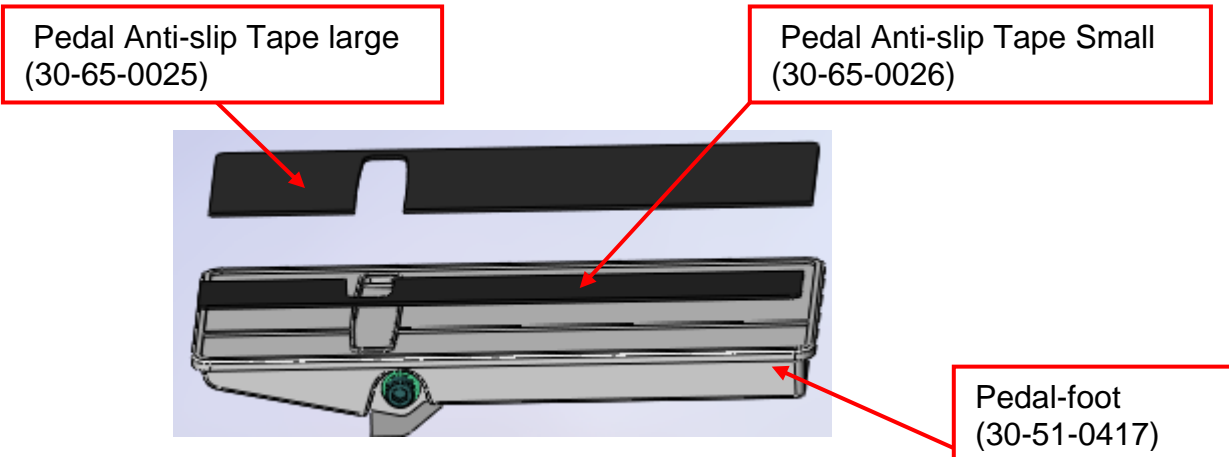
P/N required:

1 each 30-65-0025 – Pedal Anti-slip Tape large

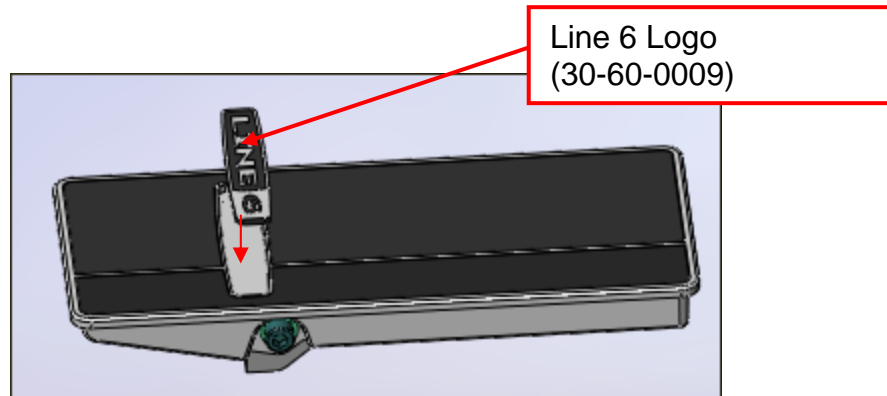
1 each 30-65-0026 – Pedal Anti-slip Tape Small

1 each 30-60-0009 – Line 6 Logo

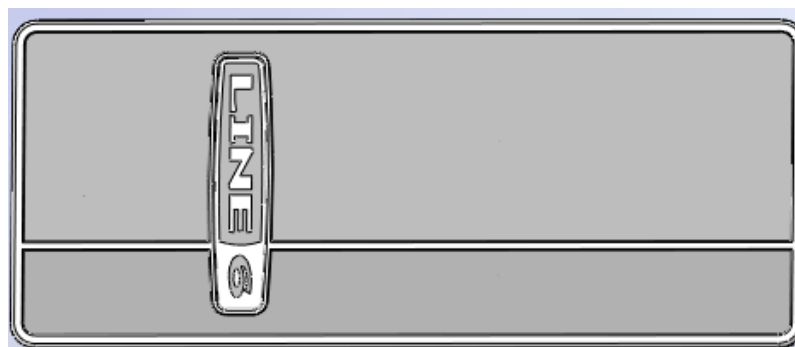
Apply one (1) Pedal Anti-slip Tape Large and one (1) Pedal Anti-slip Tape Small into the applicable recesses on the Pedal-foot as shown .



Apply the Line 6 Logo (30-60-0009) into the pedal recess as shown. Note the orientation of the Logo.



The P/N for subassembly is 50-03-0072



Subassembly Front view

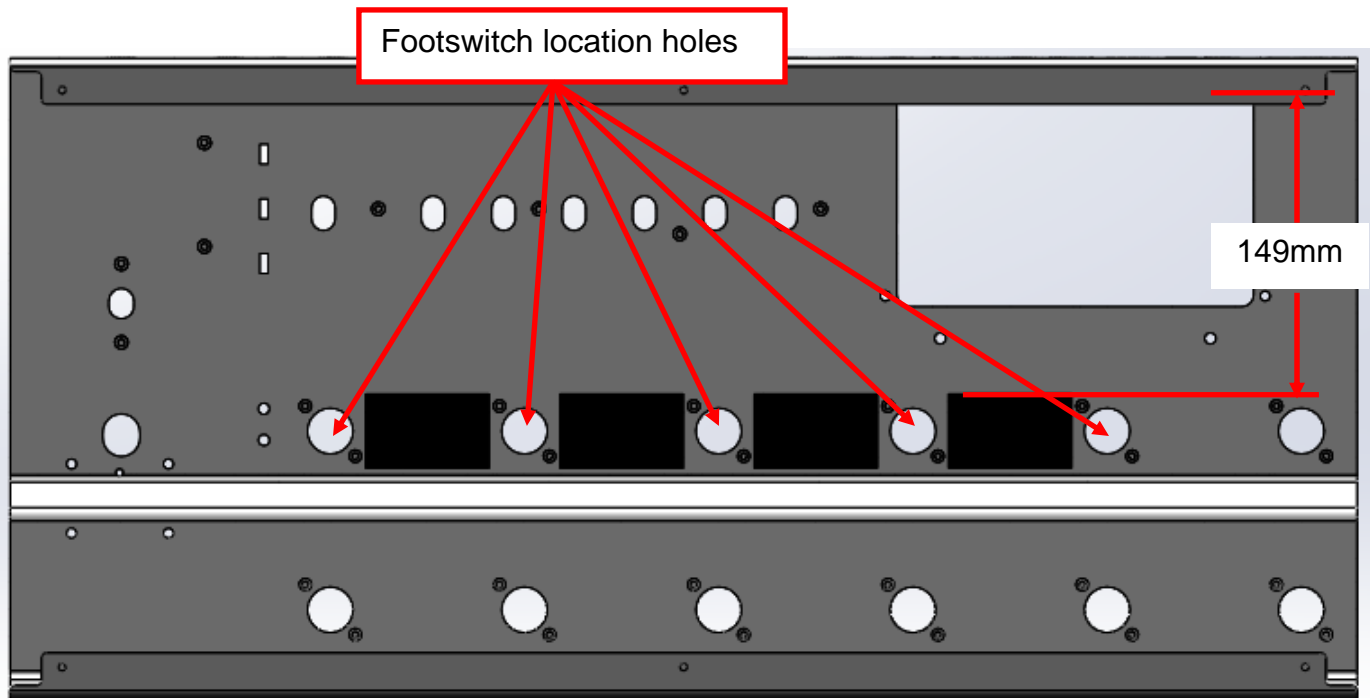
STEP 7:

P/N required:

1 each 30-51-0668 – Chassis Top

4 each 30-63-0058 – Foam Strip

Apply four (4) Foam Strips in the middle of the footswitch location holes on the bottom of the Chassis Top as shown.



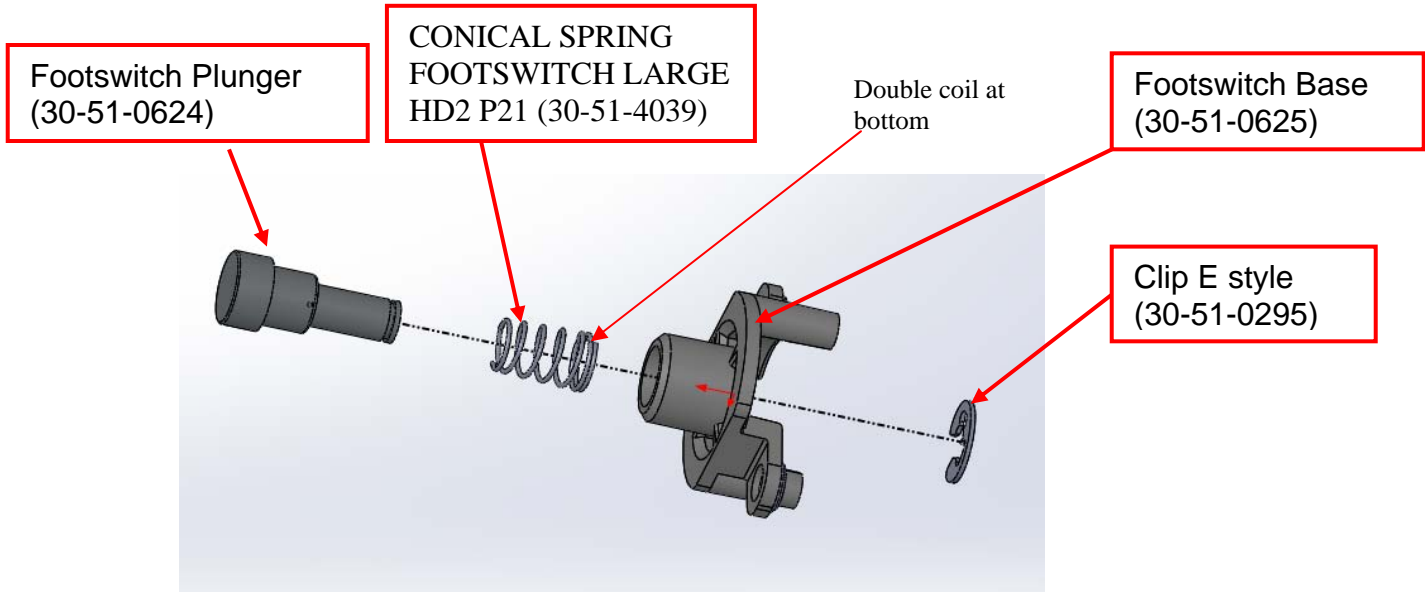
STEP 8:

P/N required:

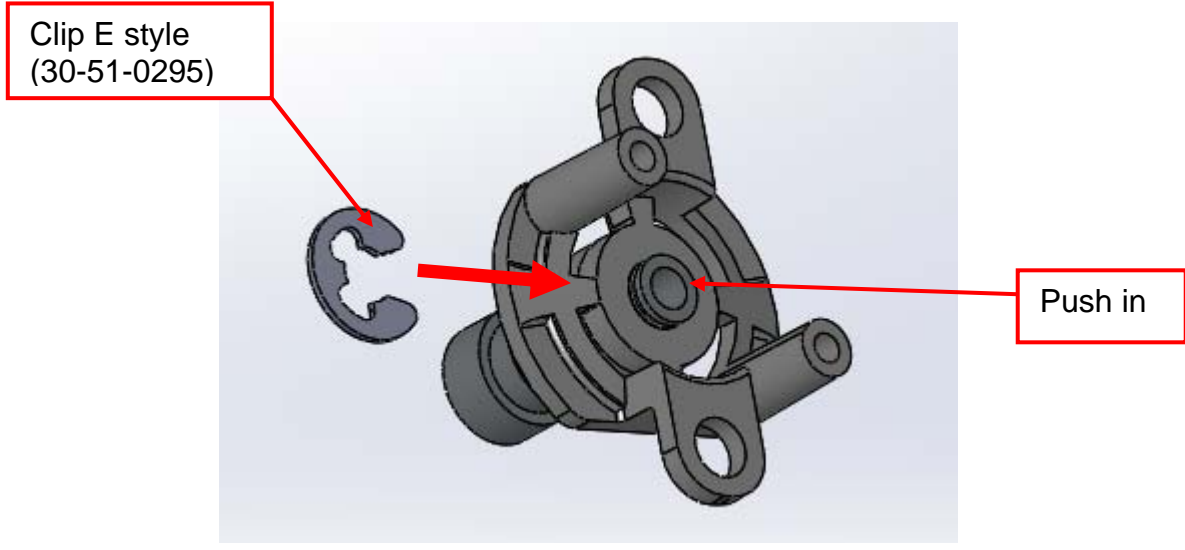
- 1 each 30-51-0624 – Footswitch Plunger
- 1 each 30-51-4039 – CONICAL SPRING FOOTSWITCH LARGE HD2 P21
- 1 each 30-51-0625 – Footswitch Base
- 1 each 30-51-0295 – Clip E style

Insert one (1) Footswitch Plunger, one (1) SPRING FOOTSWITCH CONICAL (30-51-0531) into the hole of the Footswitch Base, and push the Clip E style into the groove of the Plunger as shown.

CRITICAL STEP: Ensure that SPRING FOOTSWITCH CONICAL is oriented such that the double coil at the wide end of the spring is in contact with the bottom of the hole in the FOOTSWITCH BASE as shown below. Incorrect installation of this spring will cause the footswitch assembly to fail over time.



After E-CLIP is installed, manually actuate the footswitch 5-10 times and ensure that operation is smooth. If there is any grinding or excessive friction, it is likely that CONICAL SPRING FOOTSWITCH LARGE HD2 P21 (30-51-4039) is installed incorrectly. Disassemble the footswitch



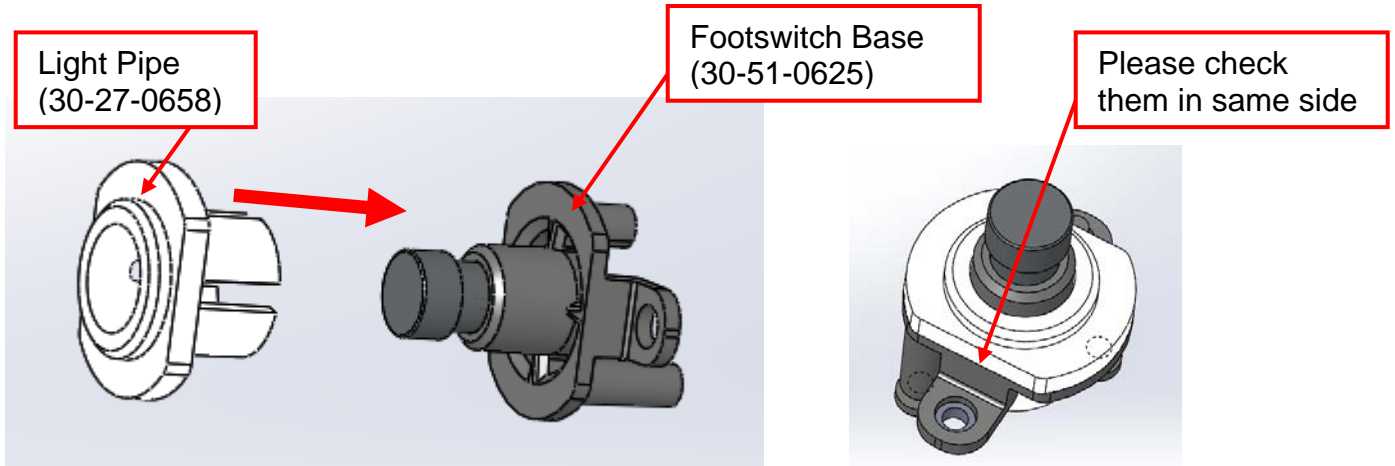
STEP 9:

P/N required

12 each 30-27-0658 – Light Pipe

1 each 30-51-0668 – Chassis Top

Install Light Pipe into groove of Footswitch Base, as shown.



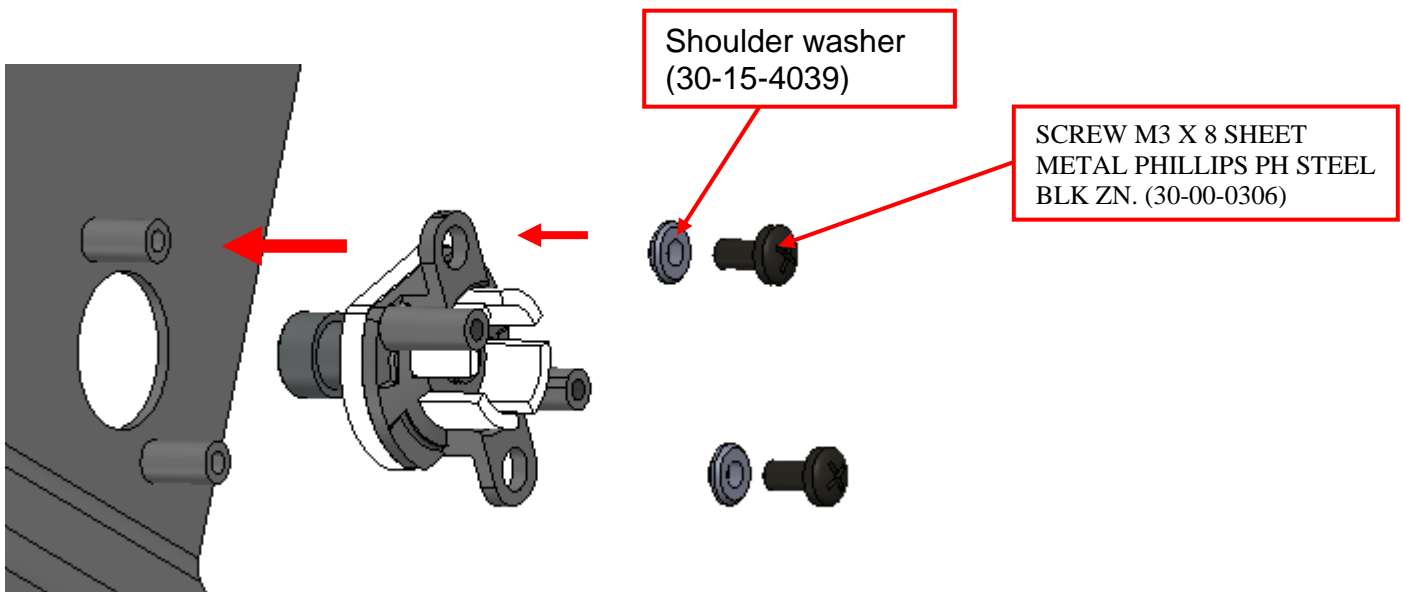
Continued:

P/N required

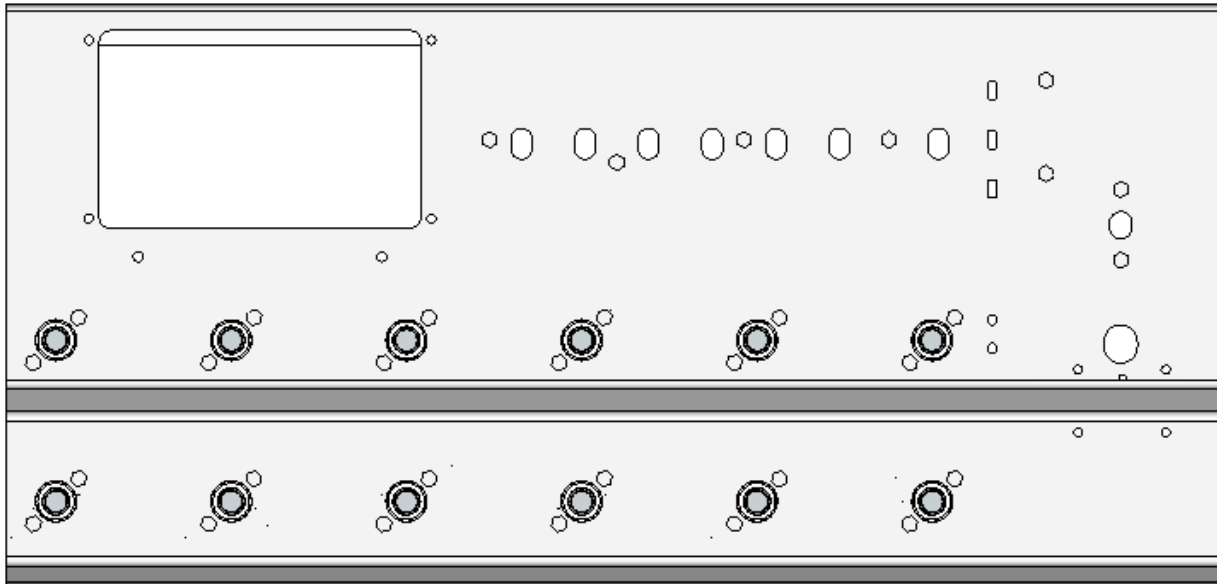
24 each 30-15-4039 Shoulder washer

24 each 30-00-0306 SCREW M3 X 8 SHEET

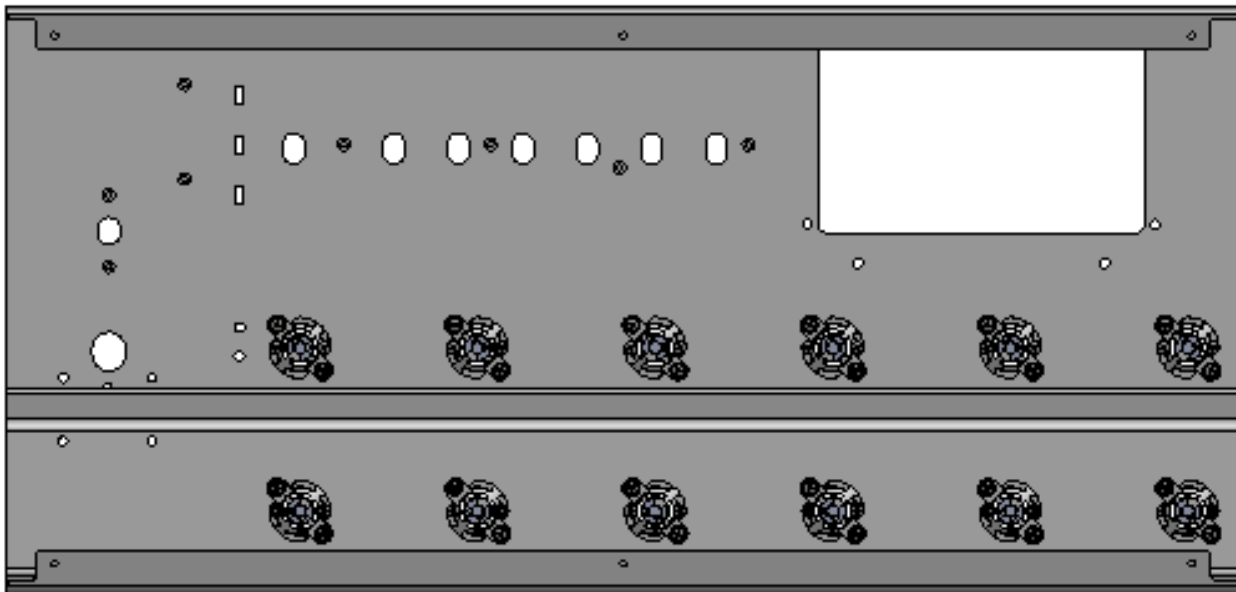
Each footswitch should use 2PCs screws (30-00-0306) and 2Pcs Shoulder washer (30-15-4039)



Continued:



The top view: Figure 1



The bottom view: Figure 2

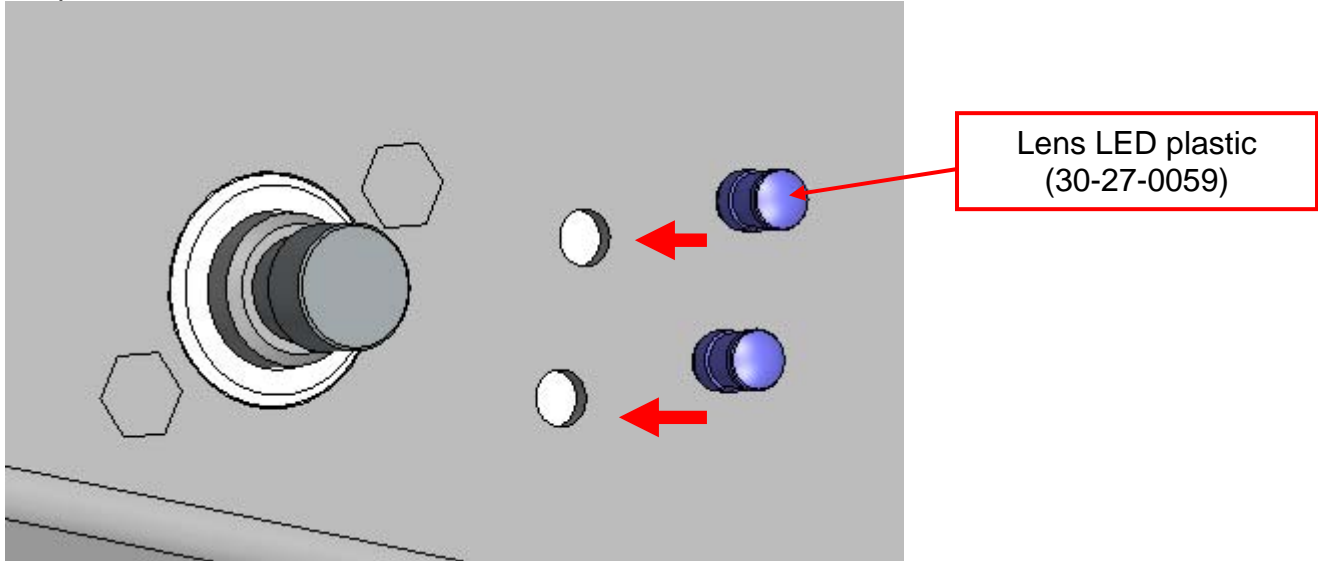
\

STEP 10:

P/N required:

2 each 30-27-0059 – Lens LED plastic

Snap one LENS into each of the two holes shown in the CHASSIS TOP.

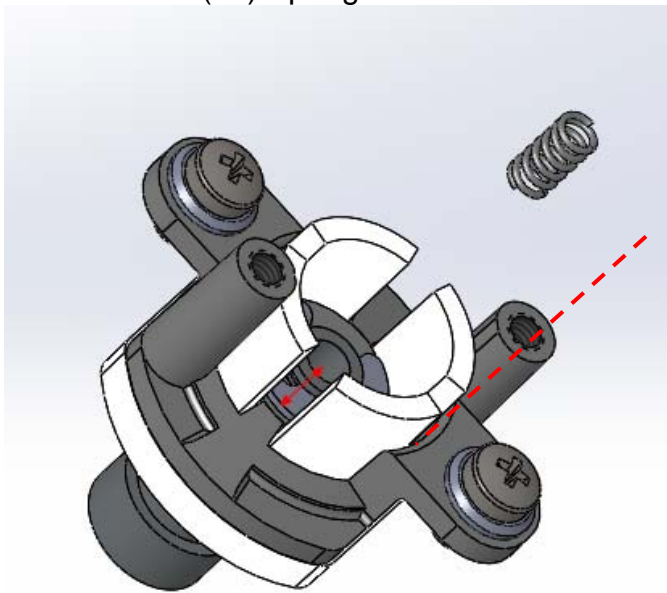


STEP 11:

P/N required:

12 each 30-51-0294 – Spring 8 Coil

Insert Twelve (12) Spring 8 Coil for each footswitch.



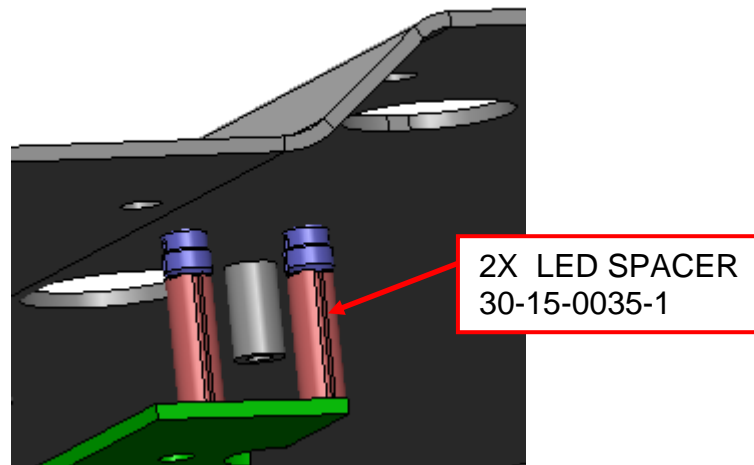
ASSEMBLED VIEW

STEP 12:

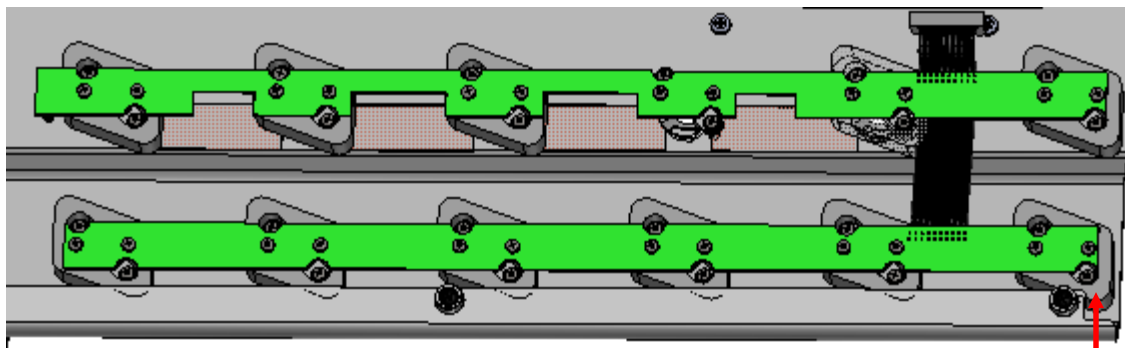
P/N required:

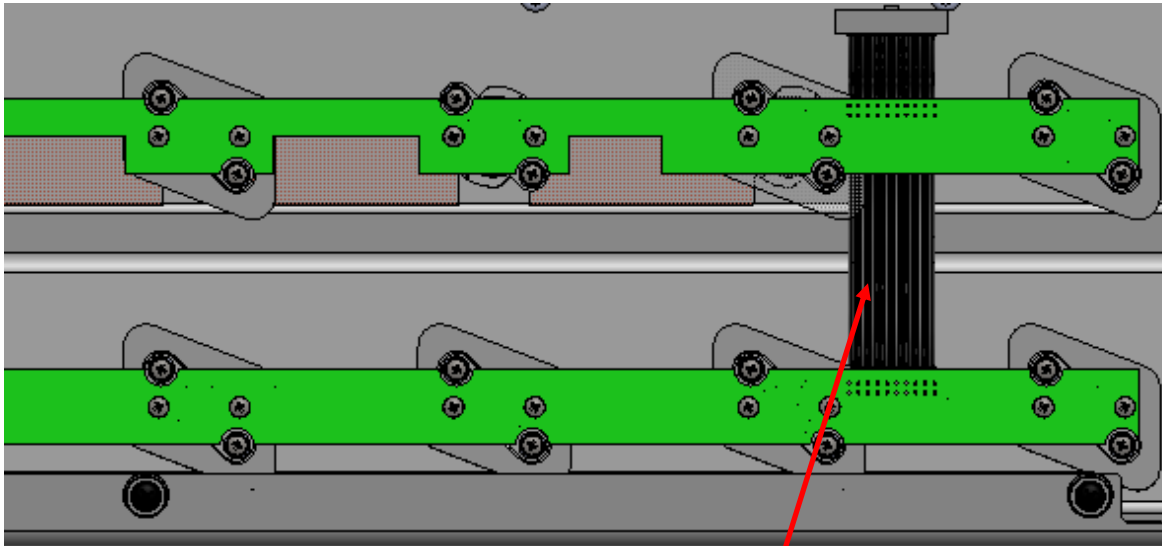
- 1 each 50-02-0234-1 – PCBA Footswitch Upper
- 1 each 50-02-0234-2 – PCBA Footswitch Lower
- 1 each 21-30-0060 RIBBON 20 pin CABLE (Soldered on Footswitch PCBA).
- 1 each 30-63-0061 – Foam Light shield
- 2 each 30-15-0035-1 LED SPACER
- 12each 30-630110 LED HADING FOAM

Removable gum from Light shield (30-63-0061) and Apply one (1) between the wah and volume LEDs on the PCBA Footswitch upper (50-02-0387-1) to reduce light bleed from the LCD backlight into the LED lenses (Foam adhesive face stick on the TOP CHASSIS)



Input 12PCs foams into each footswitch and keep the adhesive face to PCBA then Install one (1) PCBA Footswitch Upper and one (1) PCBA Footswitch Lower onto the switches that are mounted on the top chassis. Use 24pcs 30-00-0306 screw mounted both of PCBA on the footswitches.





Ribbon Cable (21-30-0060). Soldered on PCBA Footswitch Upper and PCBA Footswitch Lower.

ASSEMBLED VIEW

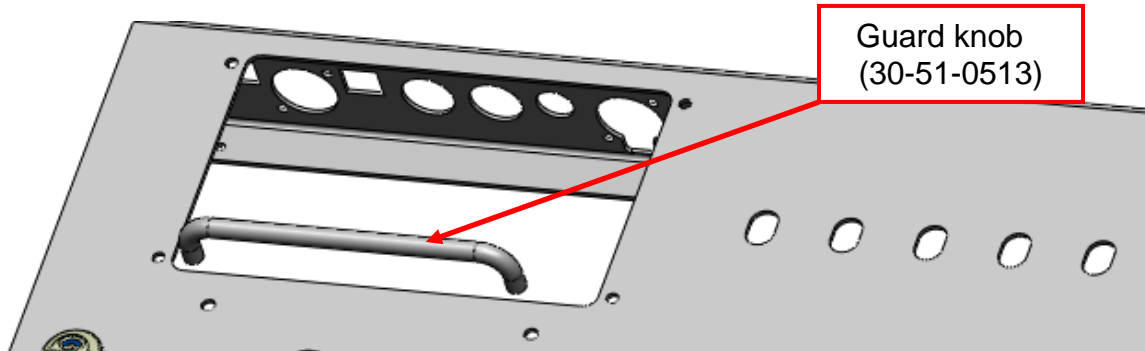
STEP 13:

P/N required:

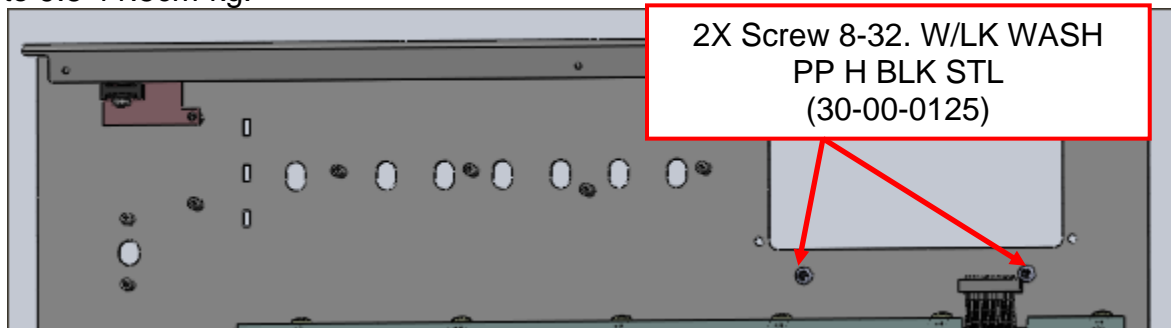
1 each 30-51-0513 – Guard knob

2 each 30-00-0125 – Screw 8-32

Install one (1) Guard knobs onto top surface of Chassis Top.



Secure Guard knob using two (2) Screws 8-32 W/LK wash PP H Blk Stl. Torque screws to 9.5-11.5cm-kg.



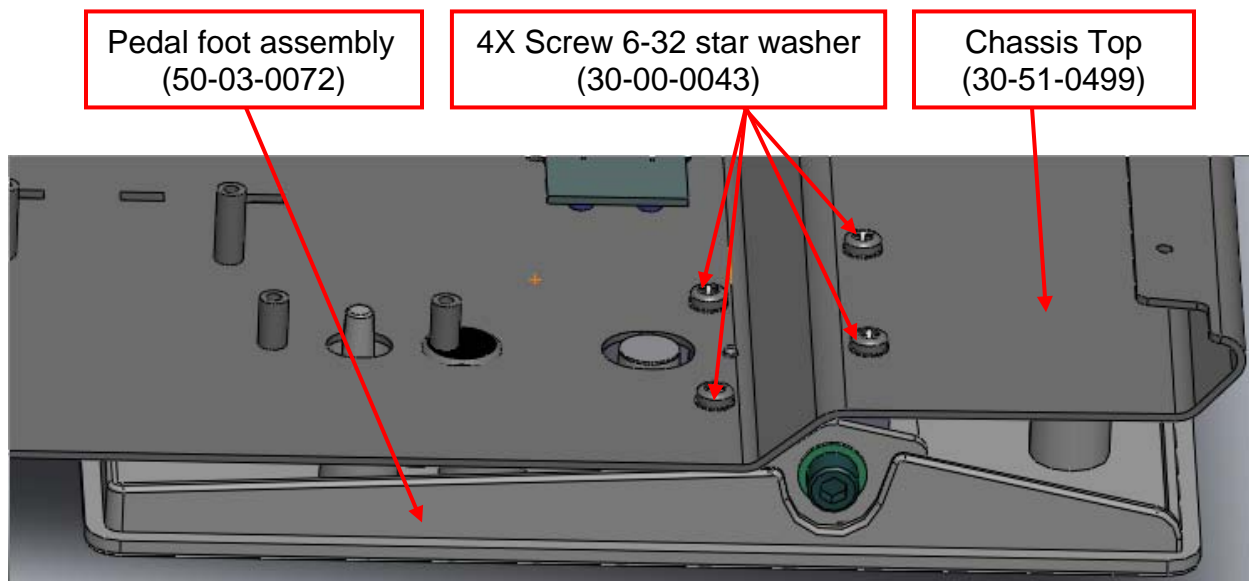
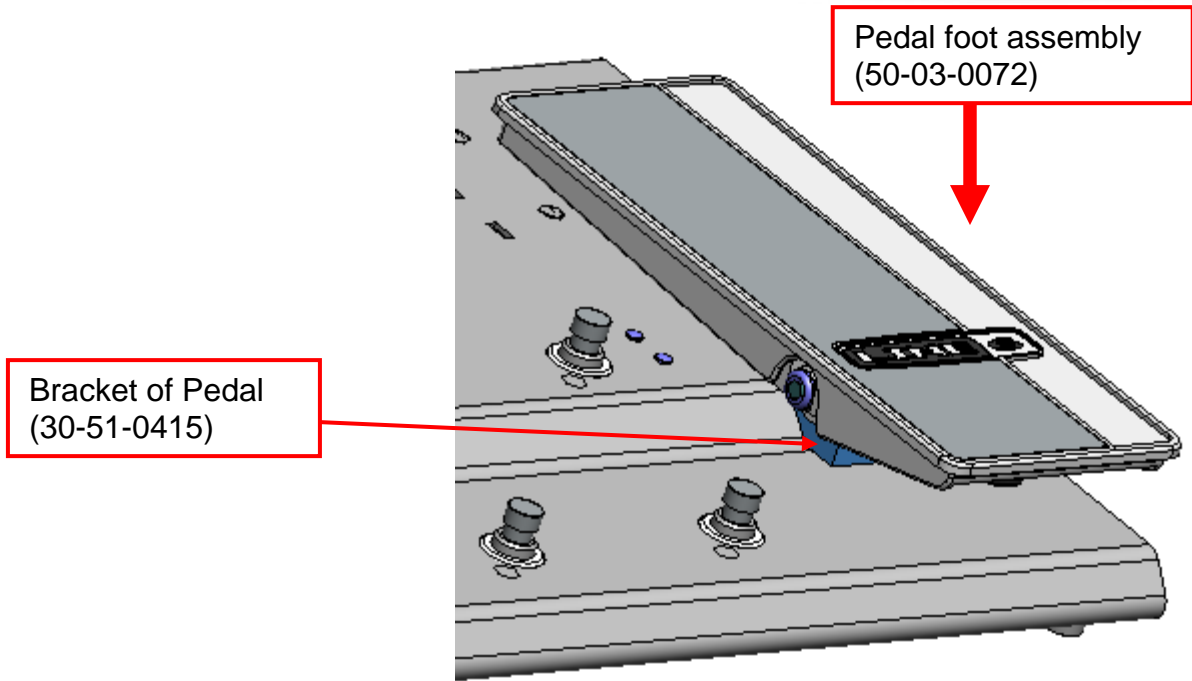
STEP 14:

P/N required:

1 each 50-03-0072 – Pedal foot assembly

4 each 30-00-0043 – Screw 6-32 star washer

Mount the Pedal Foot on the top of the Chassis Top . Secure the Pedal Foot Assembly to the Chassis Top using four (4) 6-32 screws with star washers through the four (4) holes from the insert of the Chassis Top and the four screw holes in the Pedal Bracket as shown. Torque each screw to 9.5 – 11.5 cm-kg.

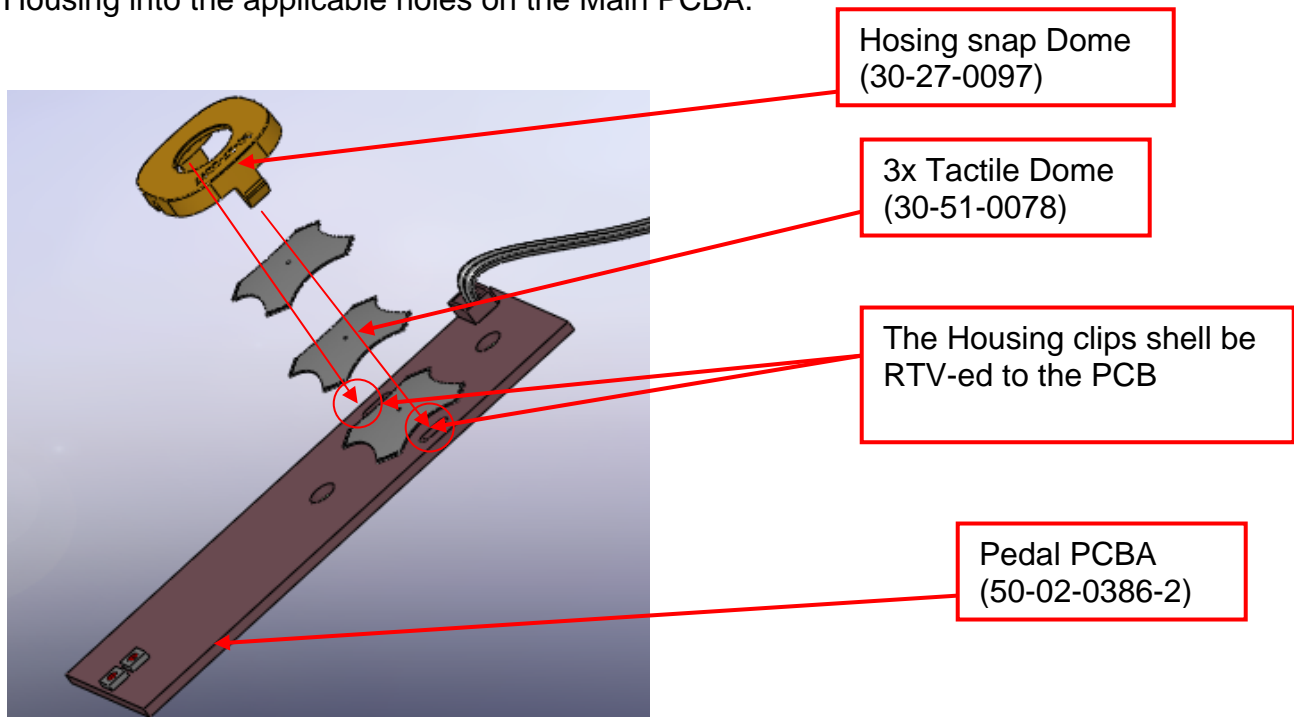


STEP 15:

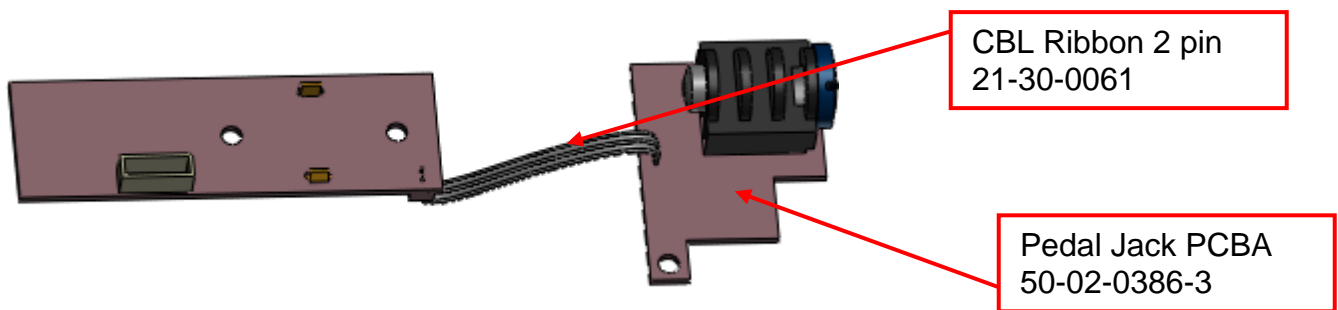
P/N required:

- 3 each 30-51-0078 – Tactile Dome
- 1 each 30-27-0097 – Snap Dome Housing
- 1 each 50-02-0386-2 – Pedal PCBA
- 1 each 35-00-386-4 – PCB Tact Switch Reinforcement
- 2 each 30-00-0043 – Screw 6-32 star washer
- 1 each 21-30-0061 - Cable Ribbon 2 pin
- 1 each 50-02-0386-3– Pedal Jack PCBA

Install three (3) Tactile Domes onto the Main PCBA. Insert the feet of the Snap Dome Housing into the applicable holes on the Main PCBA.



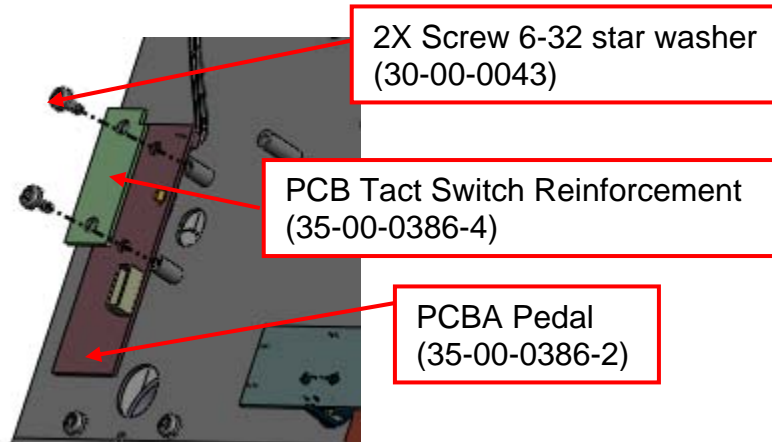
Solder the CBL Ribbon 2 pin (21-30-0061) on Pedal PCBA and Pedal Jack PCBA



(Step 16 is continued on the next page.)

Continued from STEP 16:

Secure the Pedal PCBA and PCB Tact Switch Reinforcement (35-00-0386-4) to the two applicable standoffs using two (2) 6-32 screws with lock washer. Torque screw to 9.5-11.5cm-kg.



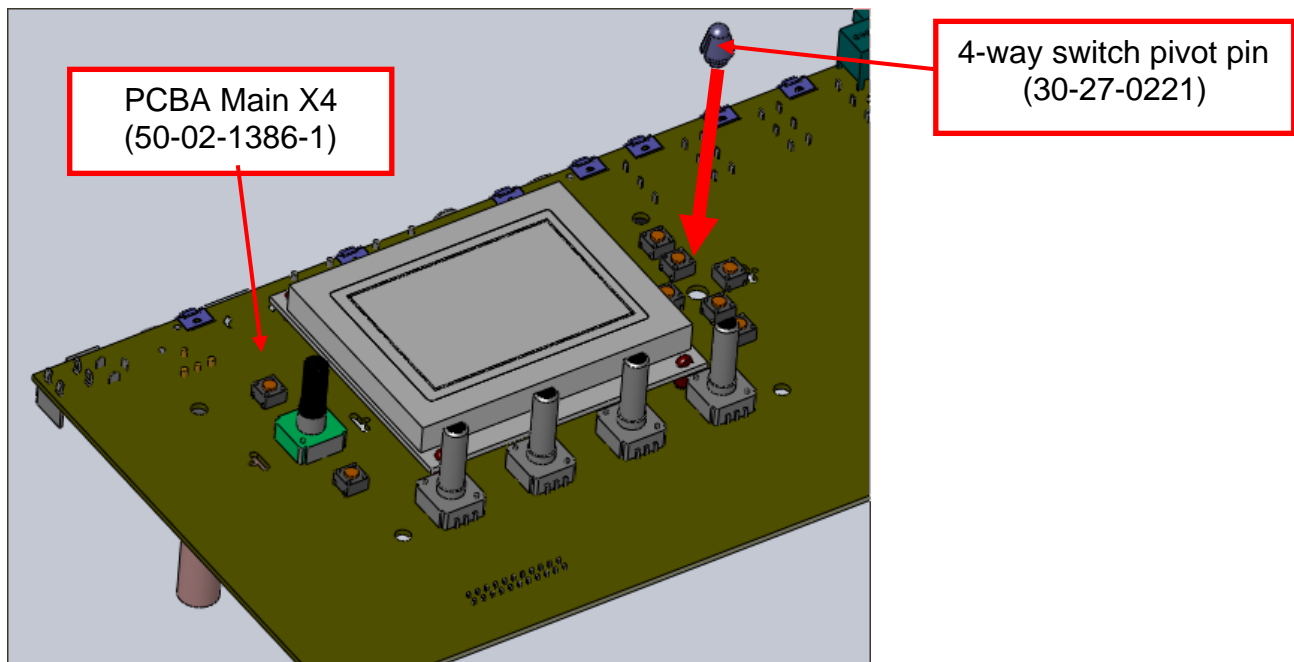
STEP 17:

P/N required:

1 each 30-27-0221 4-WAY SWITCH PIVOT PIN

1 each 50-02-0386-1 MAIN PCBA X4

Install the 4-WAY SWITCH PIVOT PIN into the hole between the tact switches as shown. Be sure that the 4-WAY SWITCH PIVOT PIN snaps completely into the hole.

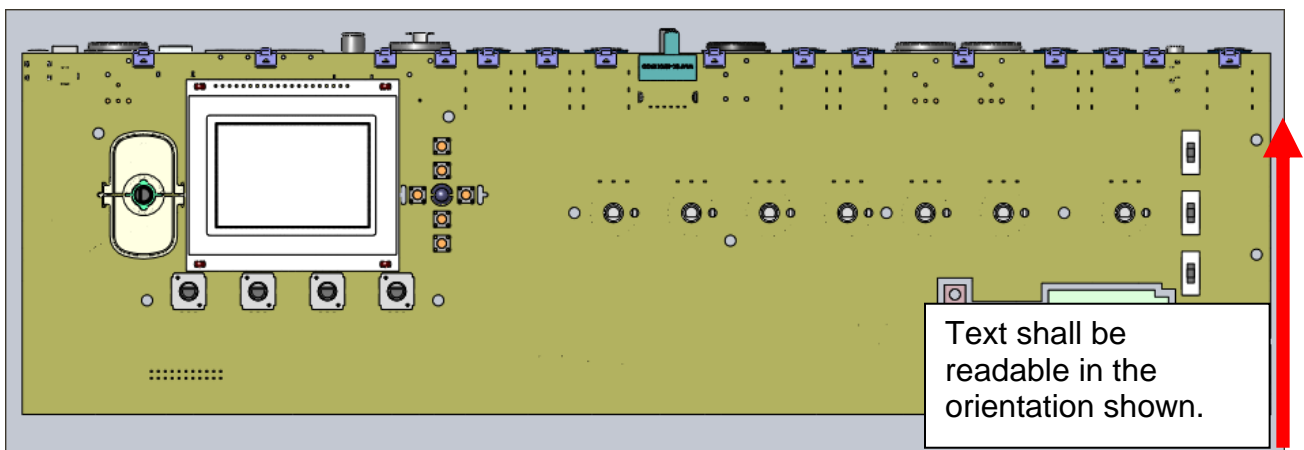
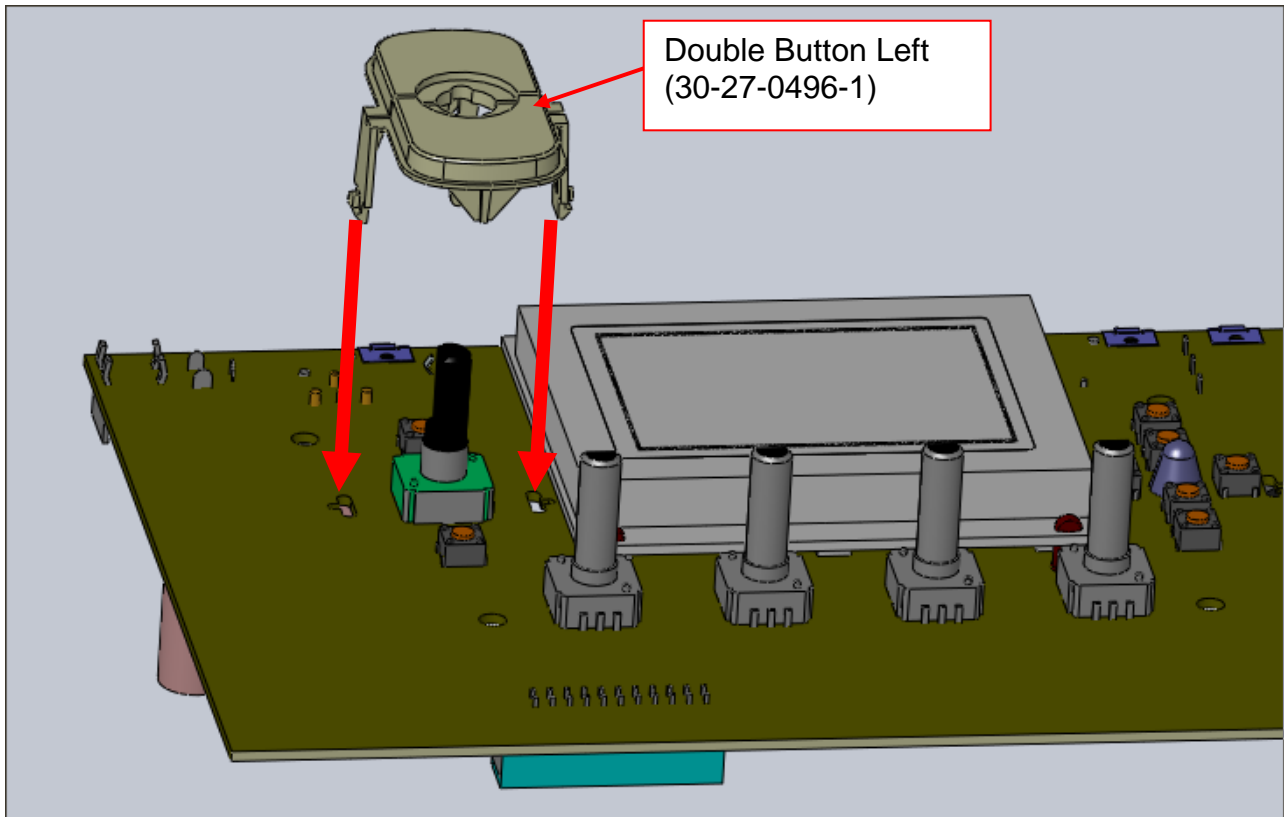


STEP 18:

P/N required:

1 each 30-27-0496-1 Double Button left

Snap the Double Button left (30-27-0496-1) into the slots around the single encoder on the MAIN PCBA as shown. The Double Button left shall be oriented such that the text is readable in the orientation shown.



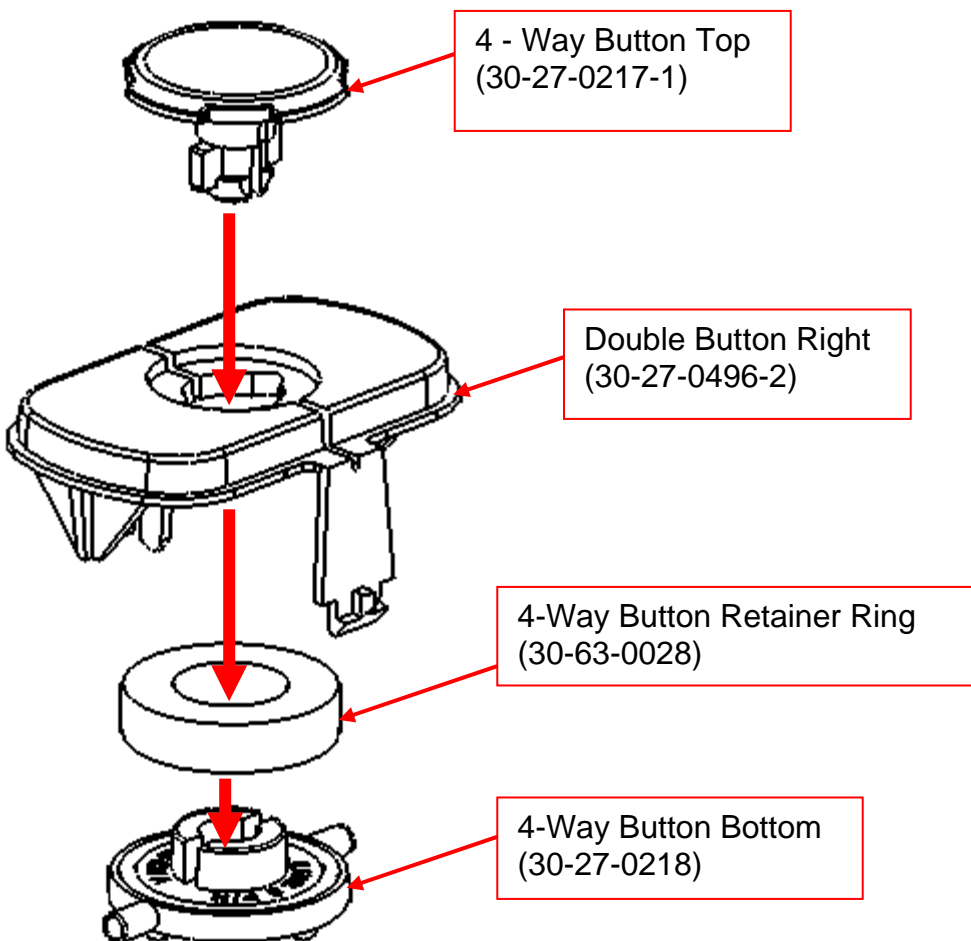
STEP 19:

P/N required:

- 1 each 30-27-0217-1 4 - Way Button Top
- 1 each 30-27-0496-2 Double Button Right
- 1 each 30-63-0028 4-Way Button Retainer Ring
- 1 each 30-27-0218 4-Way Button Bottom

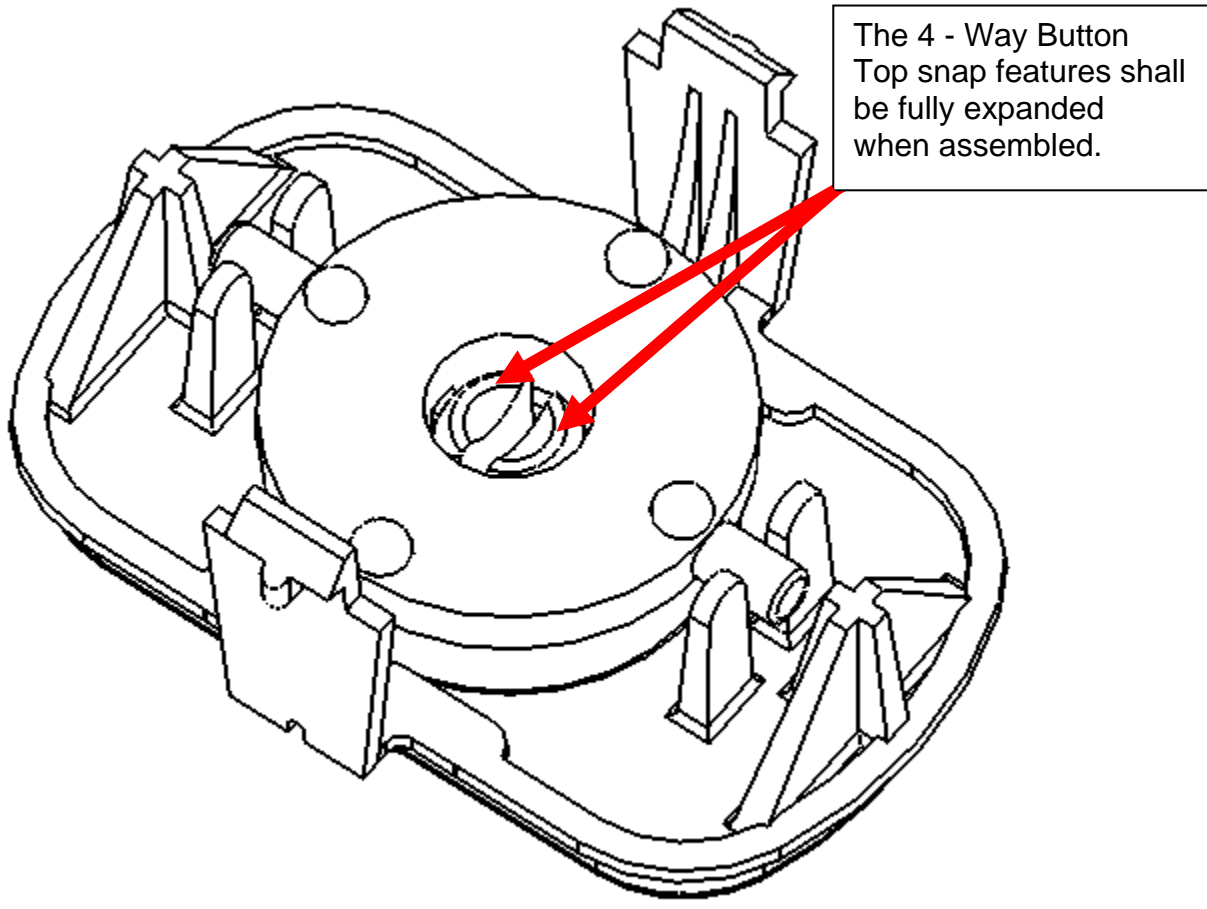
Assemble the 4-Way Button Top (30-27-0217-1) to the 4-Way Button Bottom (30-27-0218) by snapping them through the Double Button Right (30-27-0496-2) and 4- Way Button Retainer Ring (30-63-0028) as shown.

Be sure that the 4 - Way Button Top snap features expands fully when assembled.



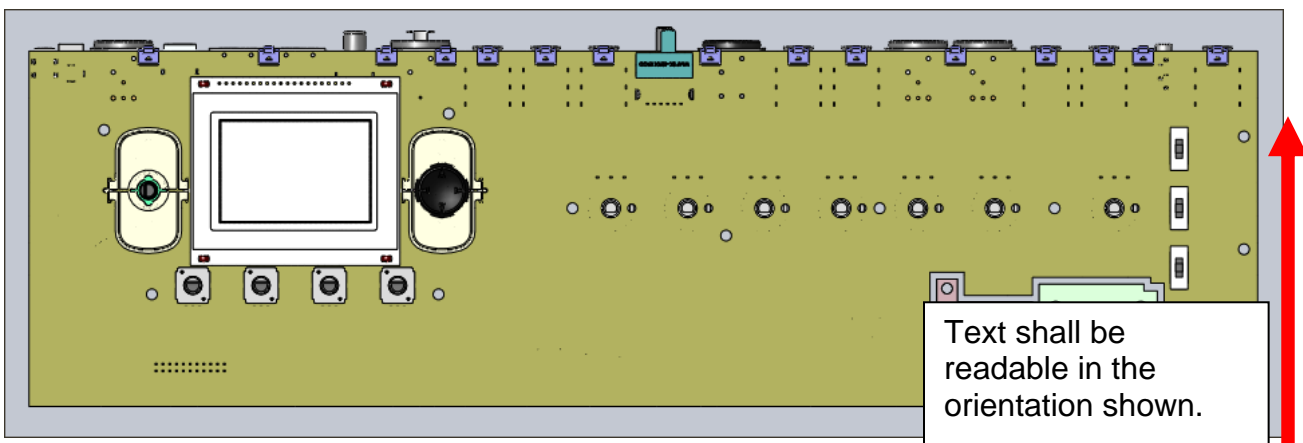
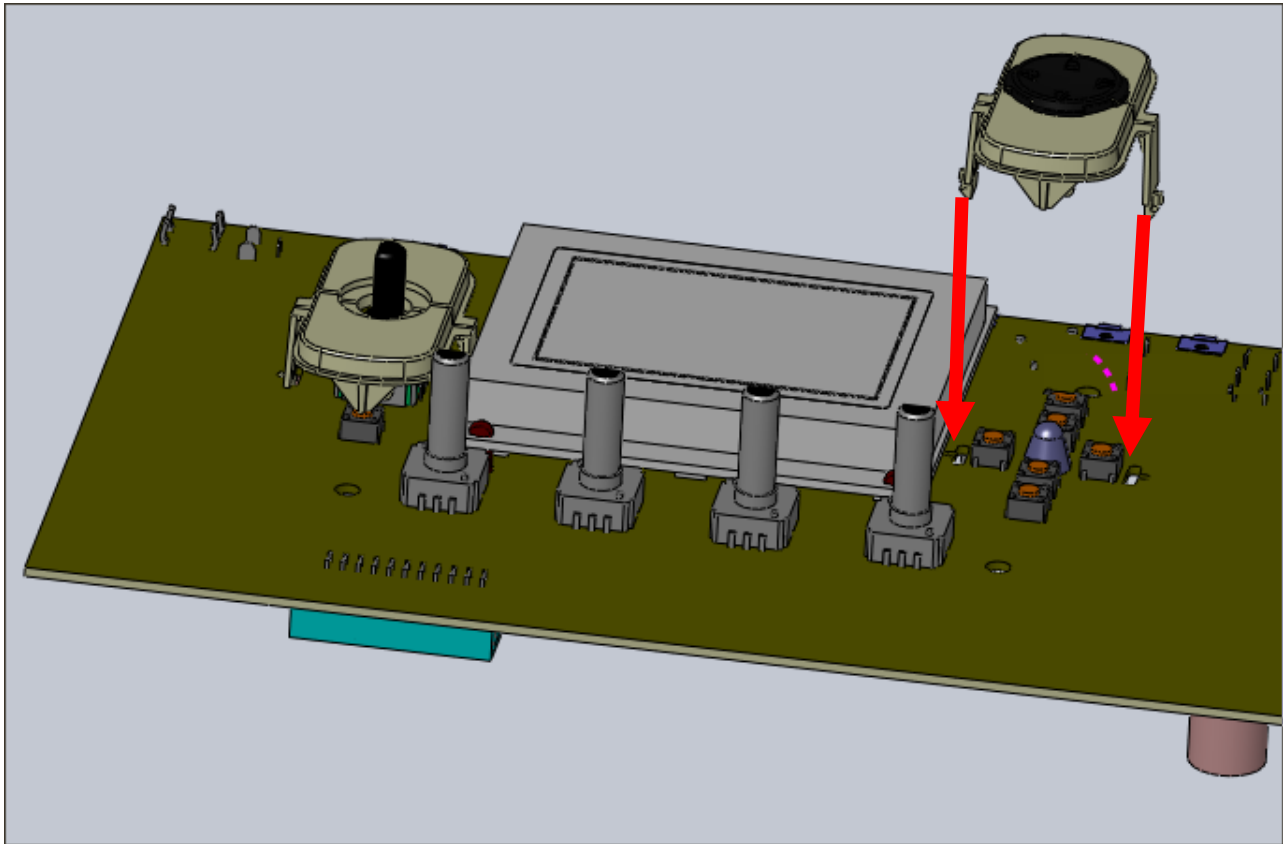
(Step 19 is continued on the next page.)

Continued from STEP 19:



STEP 20

Snap the DOUBLE BUTTON sub-assembly from the previous step into the slots around the four tact switches on the MAIN PCBA as shown. The DOUBLE BUTTON RIGHT shall be oriented such that the text is readable in the orientation shown.



(No apply glue or RTV on the PCBA and Button frame snap.)

STEP 21:

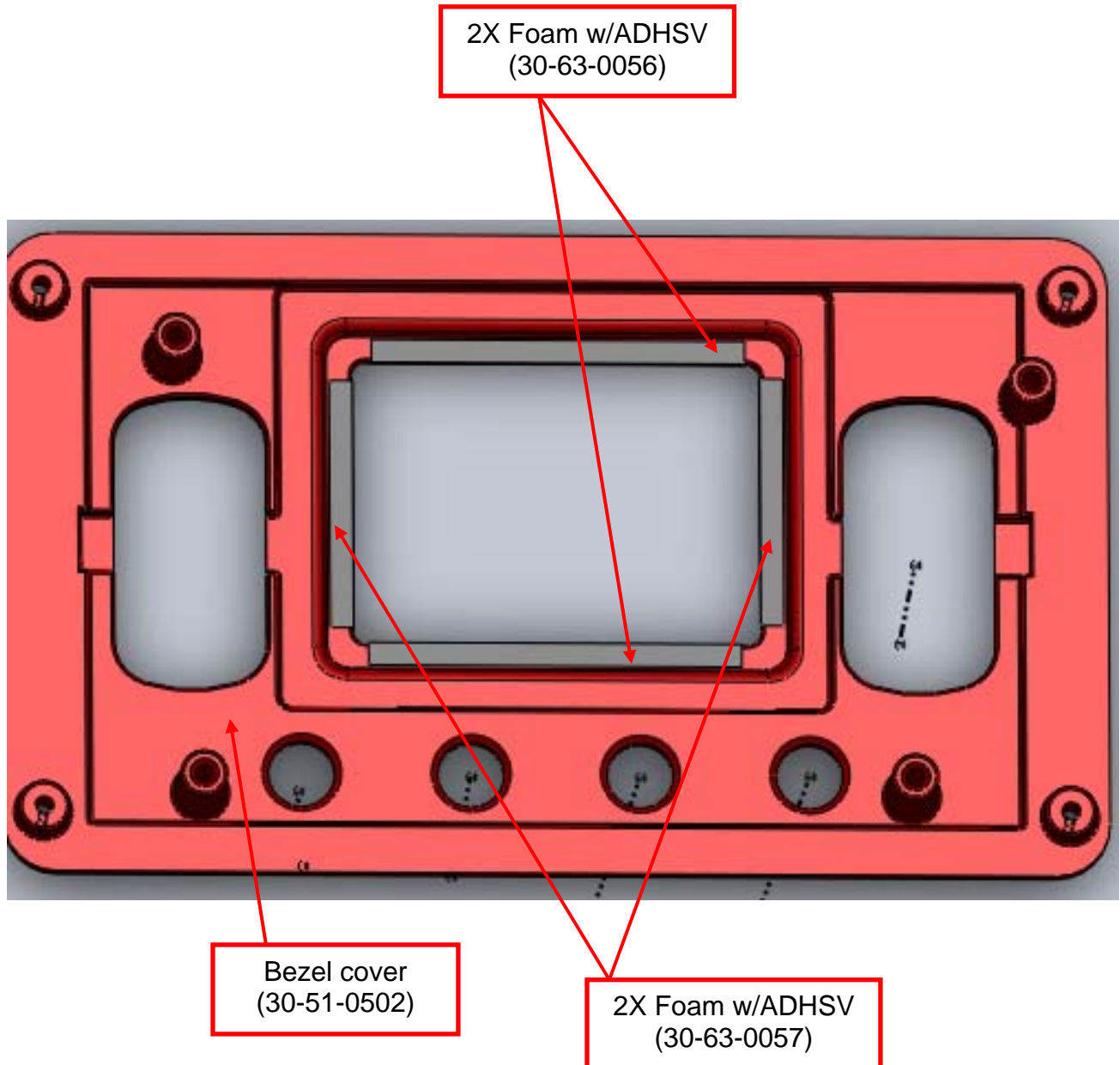
P/N required:

2 each 30-63-0056 –Foam w/ADHSV

2 each 30-63-0057– Foam w/ADHSV

1 each 30-51-0502 - Bezel cover

Apply two (2) Foam w/ADHSV (30-63-0056) and two (2) Foam w/ADHSV (30-63-0057) on each recessed surface of Bezel cover (30-51-0502) as shown below. The recessed surface on the Bezel cover shall be free of all dirt and grease before assembly.



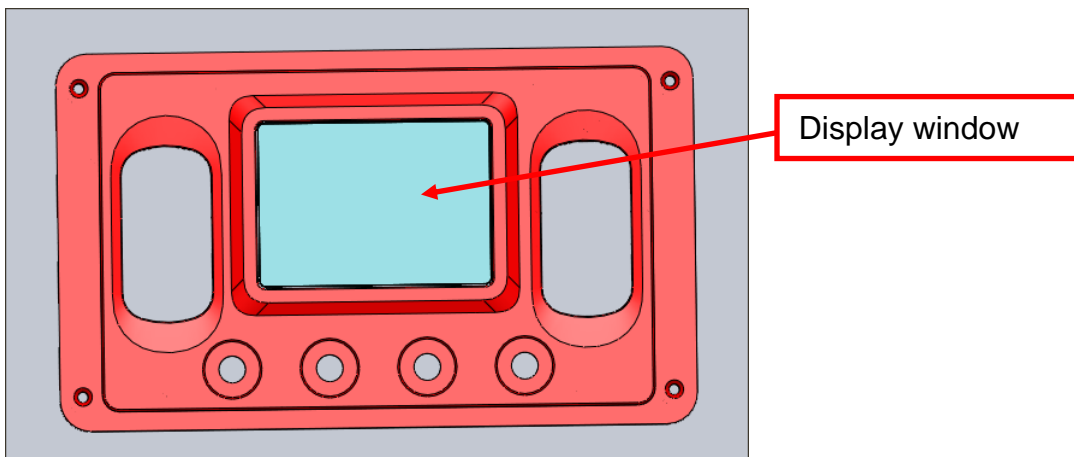
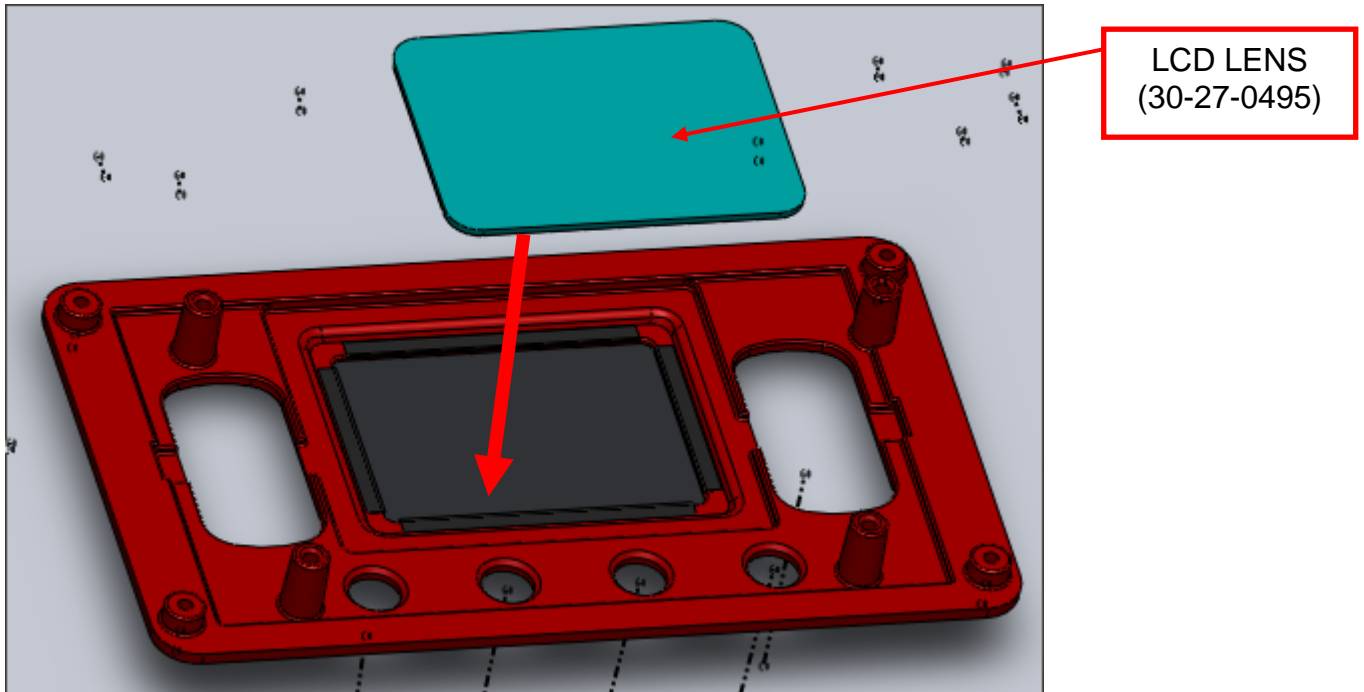
STEP 22:

P/N required:

1 each 30-27-0495 – LCD LENS

4 each 30-00-0043 – 6-32 screws with star washer

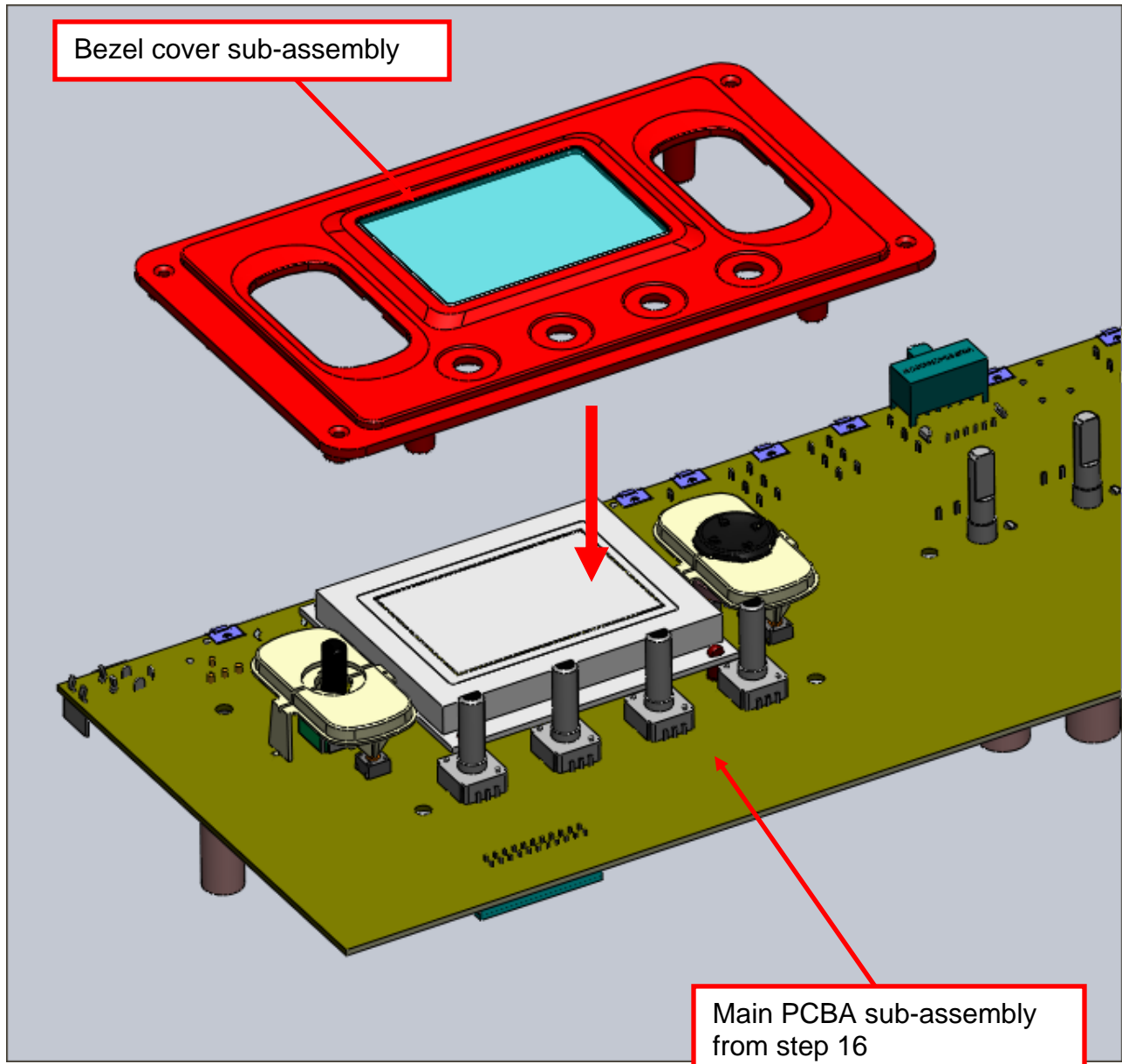
Press the LCD LENS into the surface on the Bezel cover from the previous step firmly. Remove the protective film from Foam w/ADHSV before LCD LENS installation. Be sure to orient display window of LCD LENS align with the square holes in the bezel cover.



(Step 21 is continued on the next page.)

Continued from STEP 22:

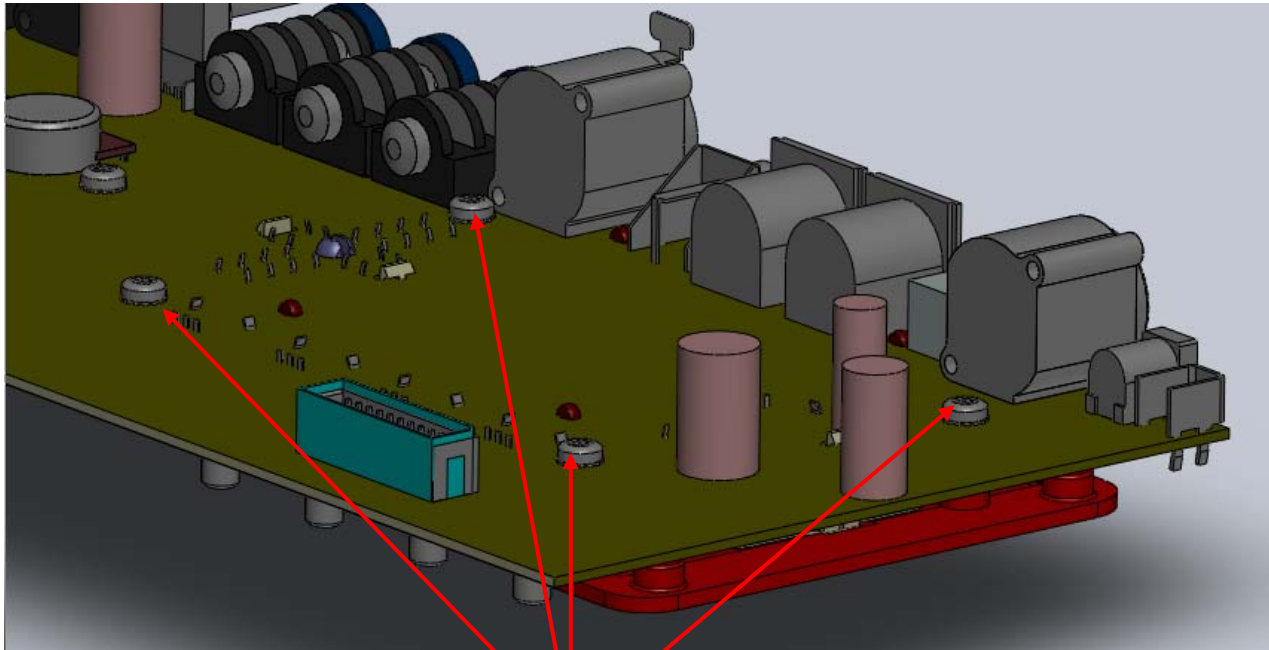
Install Bezel cover sub-assembly from the previous step onto the Main PCBA sub-assembly from step 16 as shown.



(Step 21 is continued on the next page.)

Continued from STEP 22:

Secure the Bezel cover sub-assembly to the Main PCBA using four (4) 6-32 screws with star washers (30-00-0043) as shown. Torque each screw to 9.5 – 11.5 cm-kg.

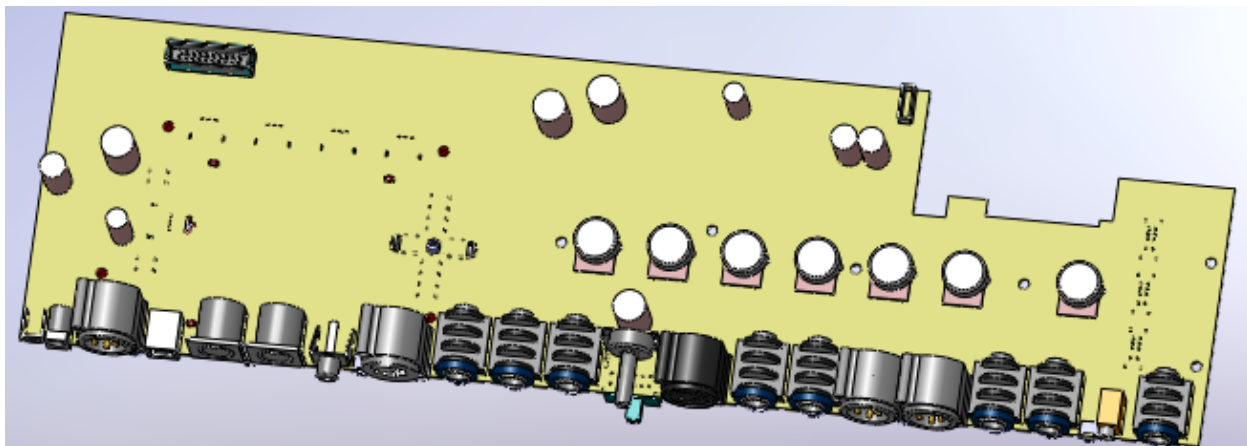
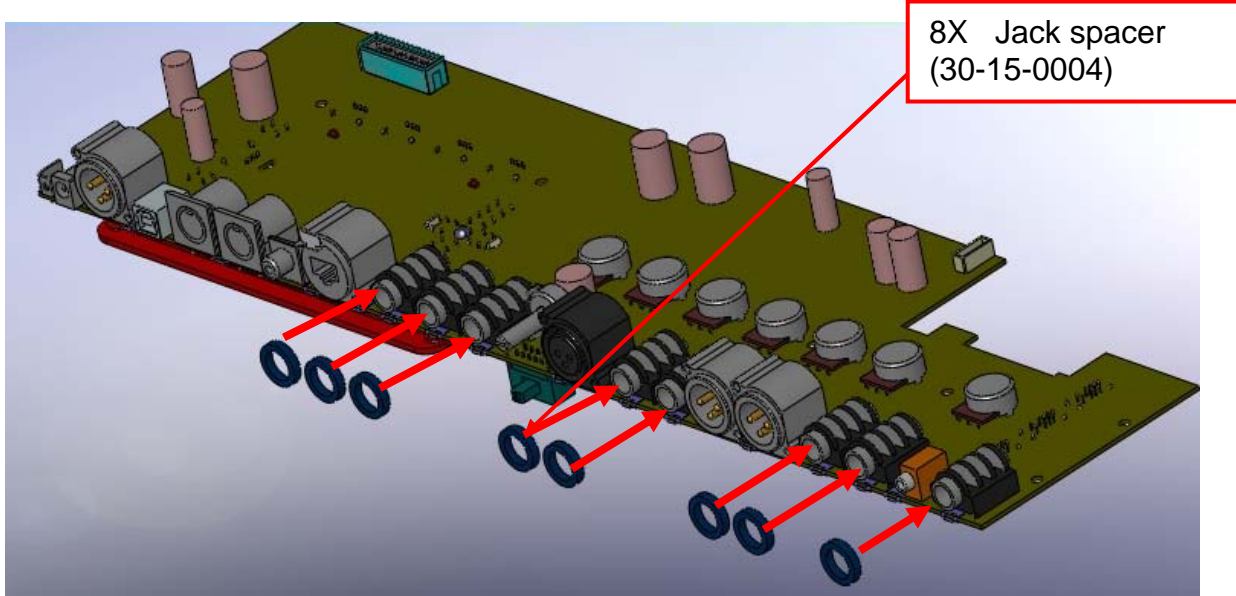


4X Screw 6-32 with star washer
(30-00-0043)

STEP 23

P/N required:
8 each 30-15-0004 – Jack spacer

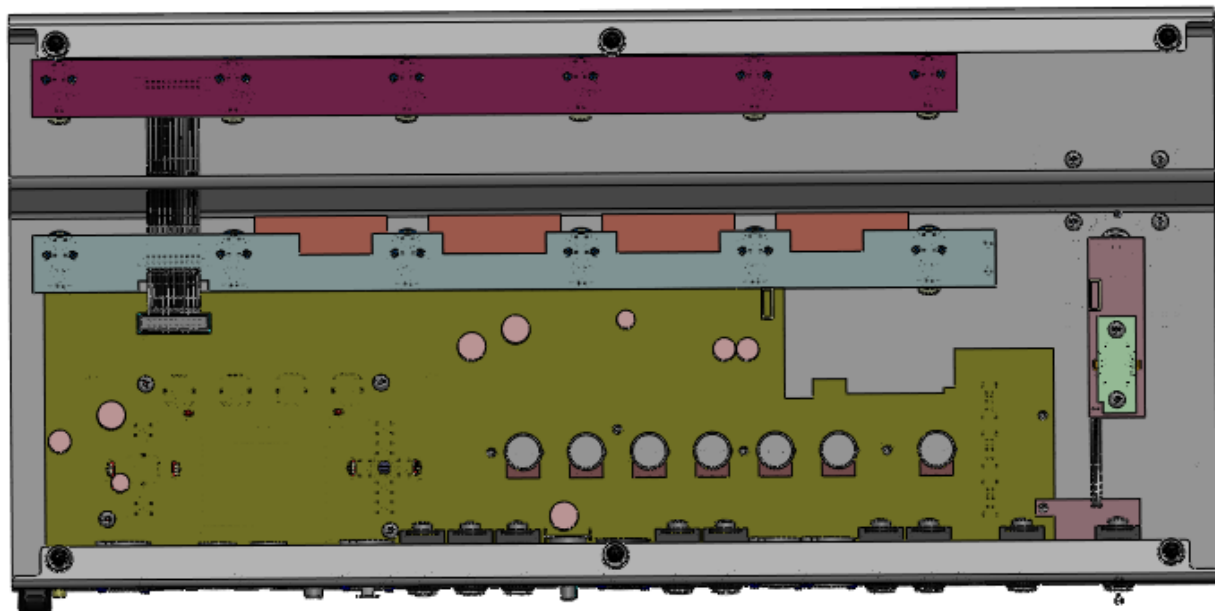
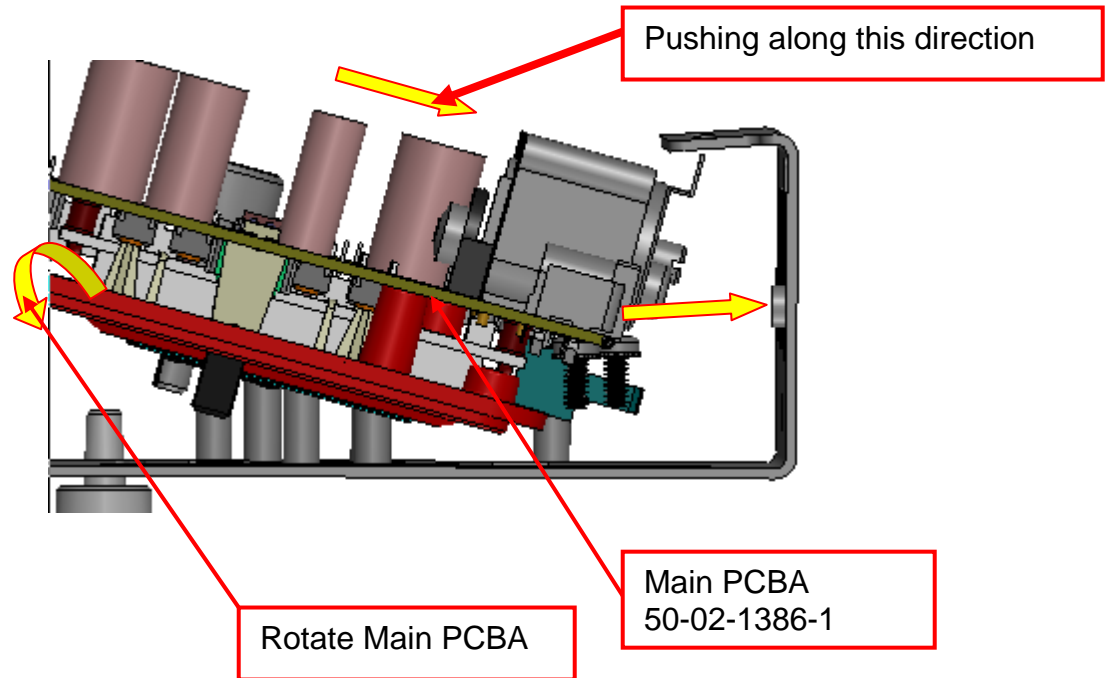
Install eight (8) Jacks spacer (30-15-0004) onto the eight (8) ¼" jacks on the MAIN PCBA.



(Step 23 is continued on the next page.)

Continued from STEP 23:

Pushing Main PCBA into Chassis top with an angle, then rotate it on stand-offs, install Main PCBA in the position.



ASSEMBLED VIEW

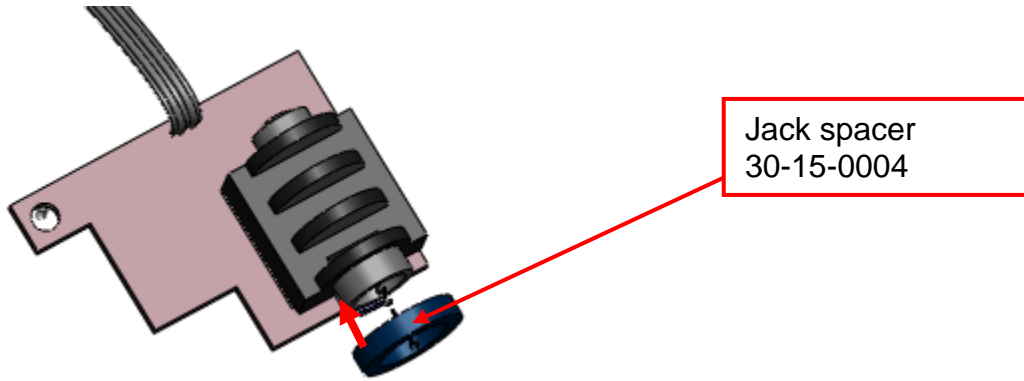
STEP 24

P/N required:

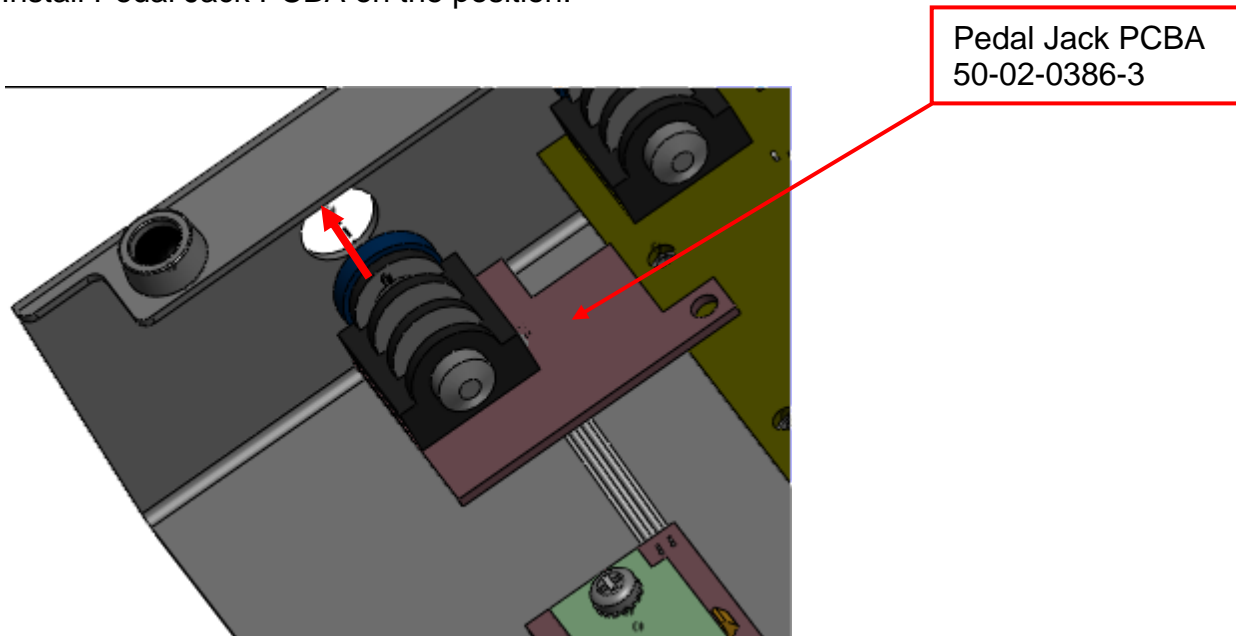
1 each 30-15-0004 – Jack spacer

1 each 50-02-0386-3 – PCBA Pedal jack

Install one Jack spacer (30-15-0004) onto ¼” jack on the PCBA Pedal jack.



Install Pedal Jack PCBA on the position.

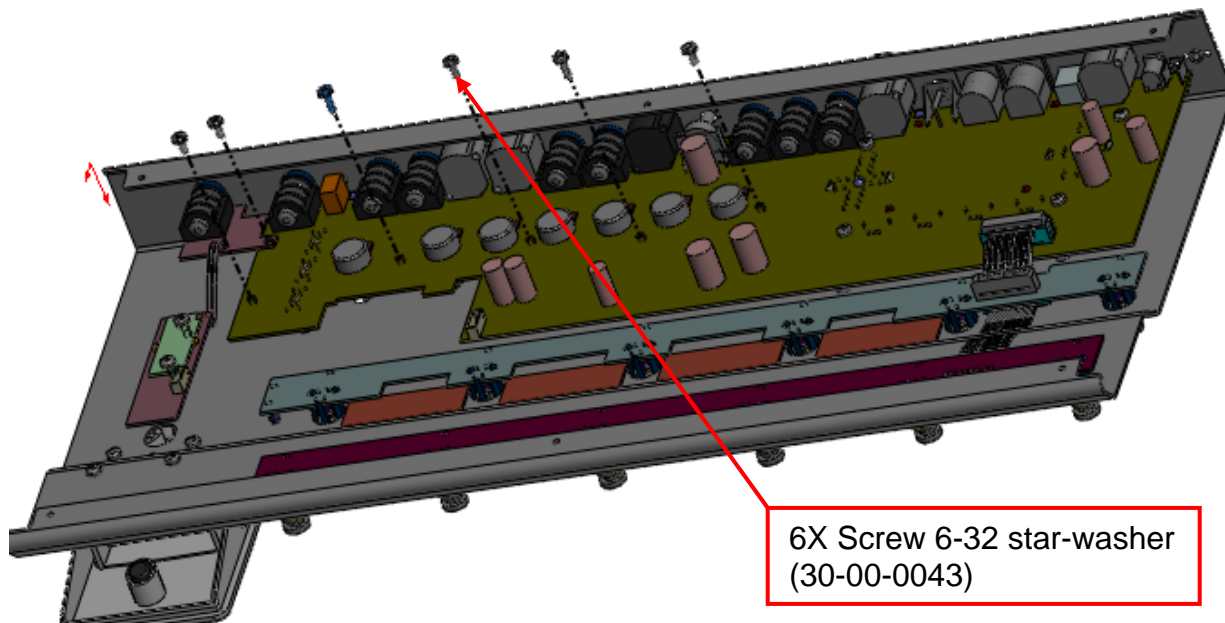


STEP 25

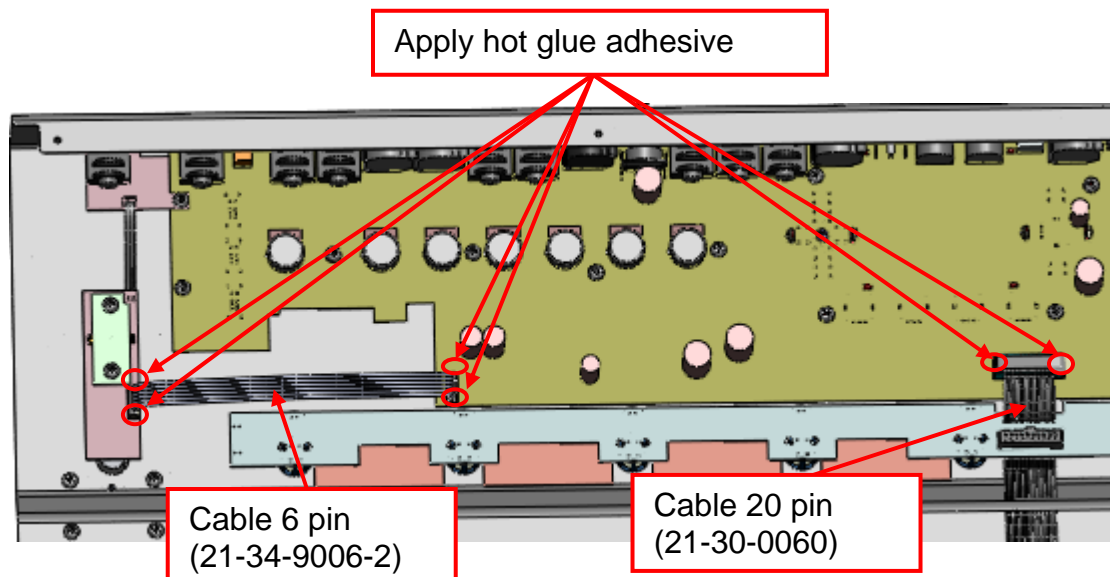
P/N required:

- 1 each 21-30-0060 Cable 20 pin
- 1 each 21-34-9006-2 Cable 6 pin
- 1 each 21-30-0061 Ribbon Cable 2 pin
- 6 each 30-00-0043 - Screw 6-32 star-washer

Secure the Main PCBA and Pedal jack PCBA to the nine applicable standoffs using nine (9) 6-32 screws with lock washer. Torque screw to 9.5-11.5cm-kg.



Insert cable 20 pin (21-30-0060) in PCBA into DIL in MAIN PCBA. Apply hot glue adhesive to two sides. Install cable 6 pin (21-34-9006-2) on Pedal PCBA, twist cable 3-times, then install on MAIN PCBA. Apply hot glue adhesive to two sides.

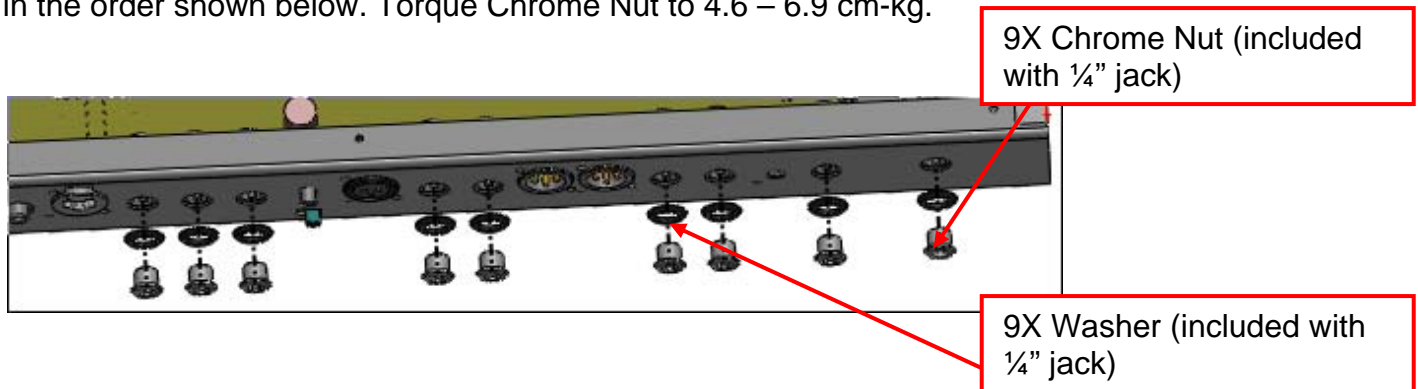


STEP 26:

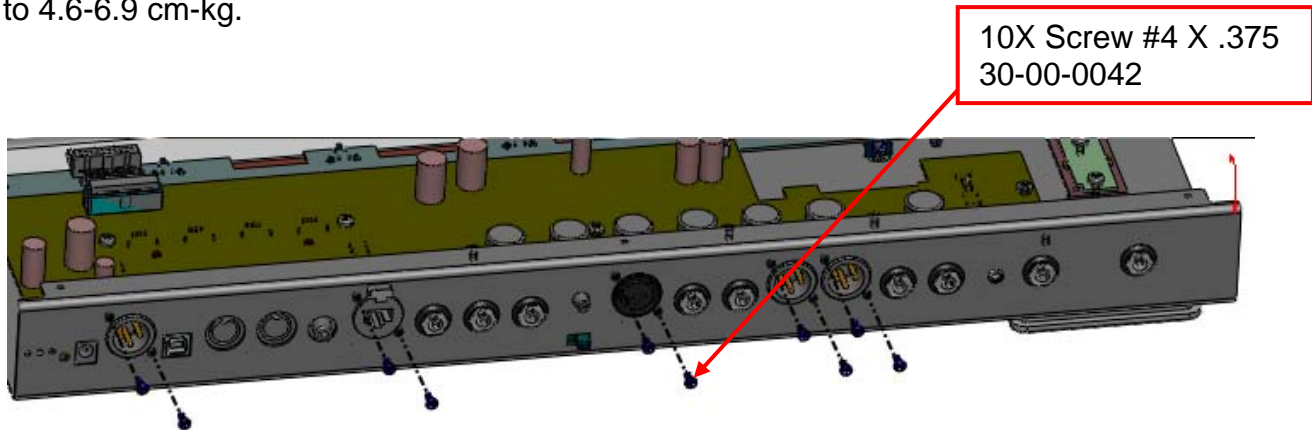
P/N required:

- 1 each 30-00-0375 – Screw 6-32 X .375
- 10 each 30-00-0042 – Screw #4 x .375
- 1 each 30-00-0263 – BHCS 6-32 X .375
- 1 each 30-27-0304 – Cable strain relief
- 9 each Chrome Nut (included with ¼” jack)
- 9 each Washer (included with ¼” jack)

Insert the nine (9) Washer (included with ¼” jack) and Chrome Nut (included with ¼” jack) in the order shown below. Torque Chrome Nut to 4.6 – 6.9 cm-kg.



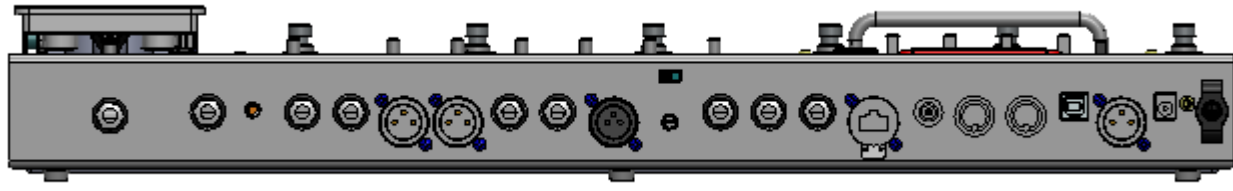
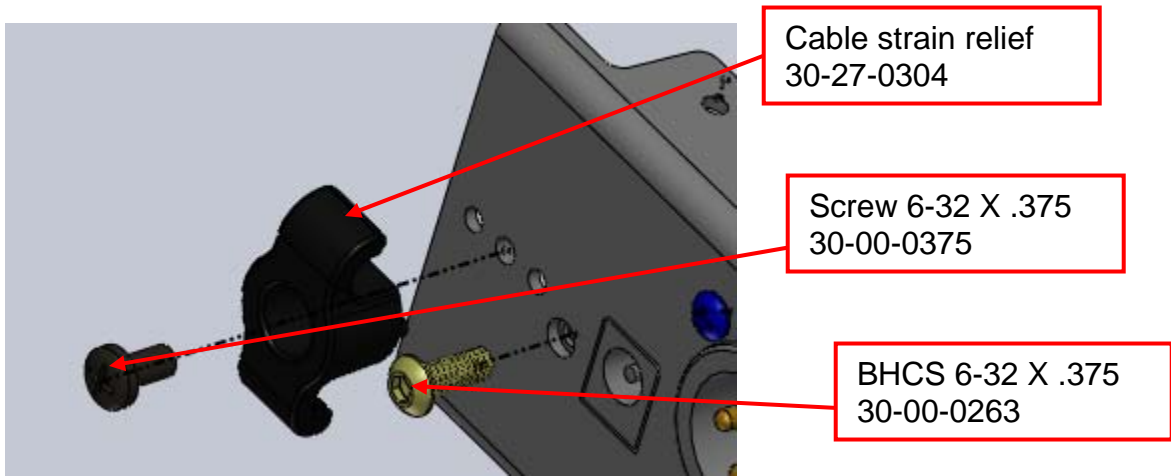
Then insert ten (10) Screw #4 X .375 in holes of Jack XLR Male as shown. Torque screw to 4.6-6.9 cm-kg.



(Step 26 is continued on the next page.)

Continued from STEP 26:

Insert one (1) BHCS 6-32 X .375 shown. Secure Cable strain relief using Screw 6-32 X .375 X .375 shown. Torque screw to 9.5-11.5mg-kg.



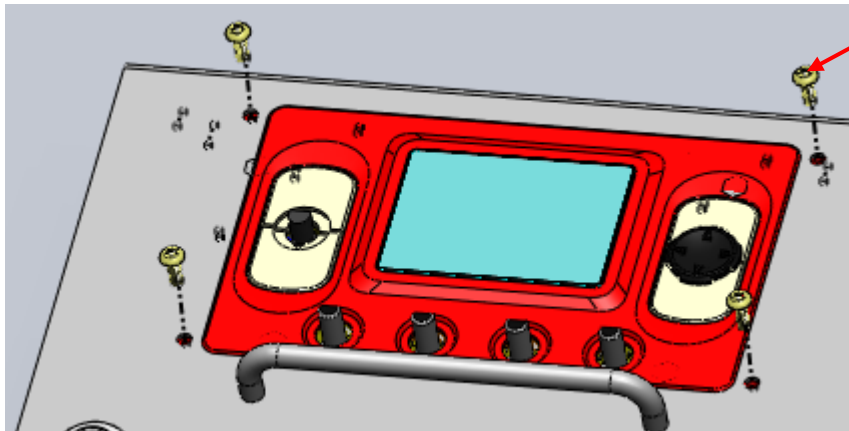
ASSEMBLED VIEW

STEP 27:

P/N required:

4 each 30-00-0263 – BHCS 6-32 X .375

Insert four (4) BHCS 6-32 X .375 as shown. Torque screw to 9.5-11.5mg-kg.



4X BHCS 6-32 X .375
(30-00-0263)

STEP 28:

P/N required:

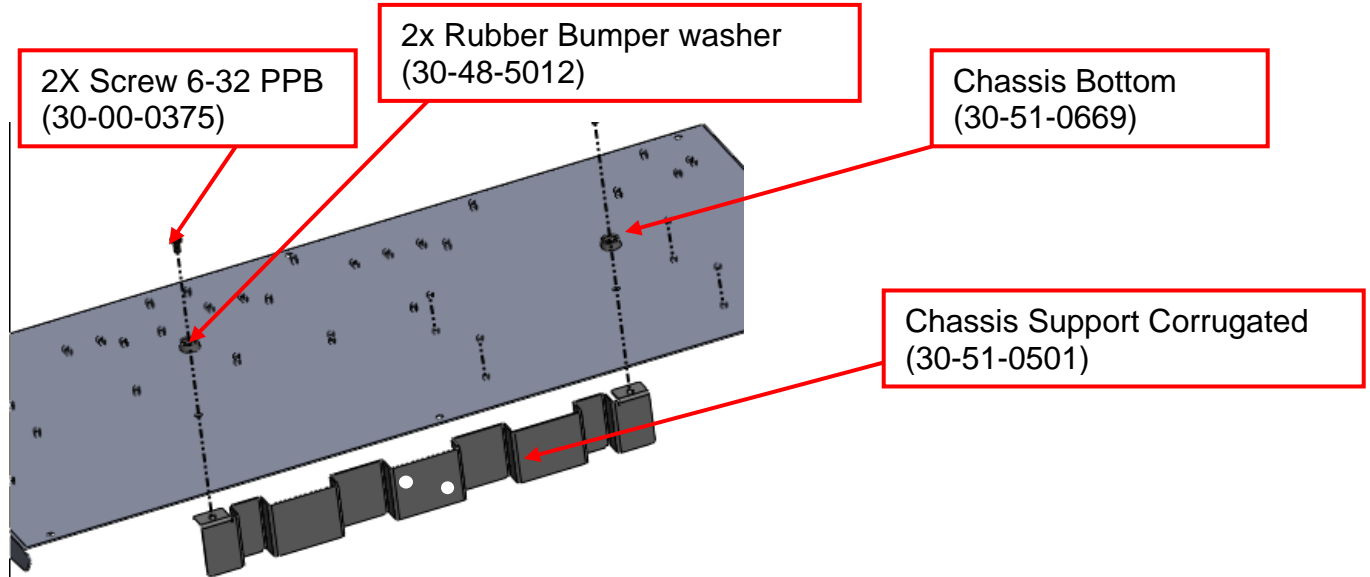
8 each 30-00-0375 – Screw 6-32 PPB

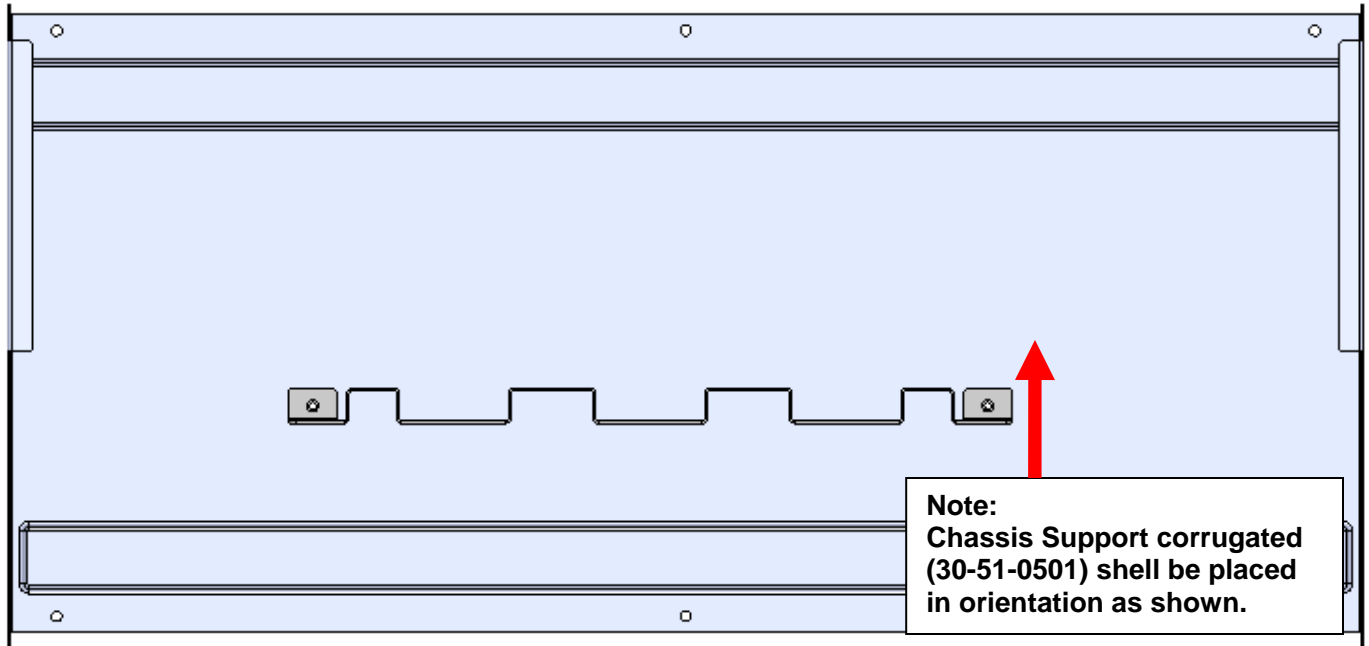
8 each 30-48-5012 – Rubber Bumper with washer

1 each 30-51-0501 – Chassis support Corrugated

1 each 30-51-0669 – Chassis bottom

Insert two (2) Screws 6-32 PPB (30-00-0375) into the holes in Rubber Bumper with washer (30-48-5012) through Chassis Bottom (30-51-0500) and Chassis Support Corrugated (30-51-0501) as shown. Torque each screw to 9.5 – 11.5 cm-kg.

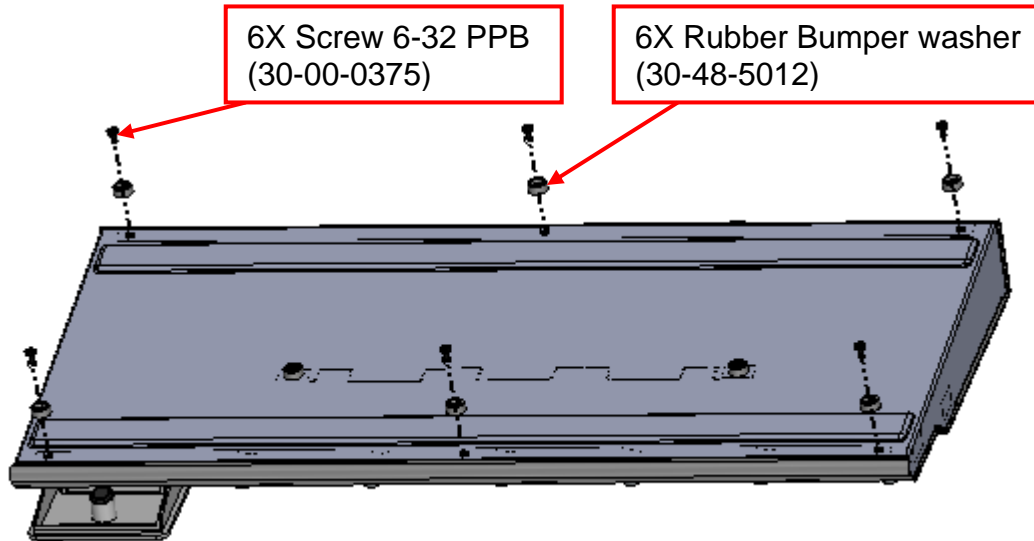




(Step 27 is continued on the next page.)

Continued from STEP 28:

Insert six (6) Screws 6-32 PPB (30-00-0375) into the holes in Rubber Bumper with washer (30-48-5012) through Chassis Bottom and Chassis top. Torque each screw to 9.5 – 11.5 cm-kg.



STEP 29:

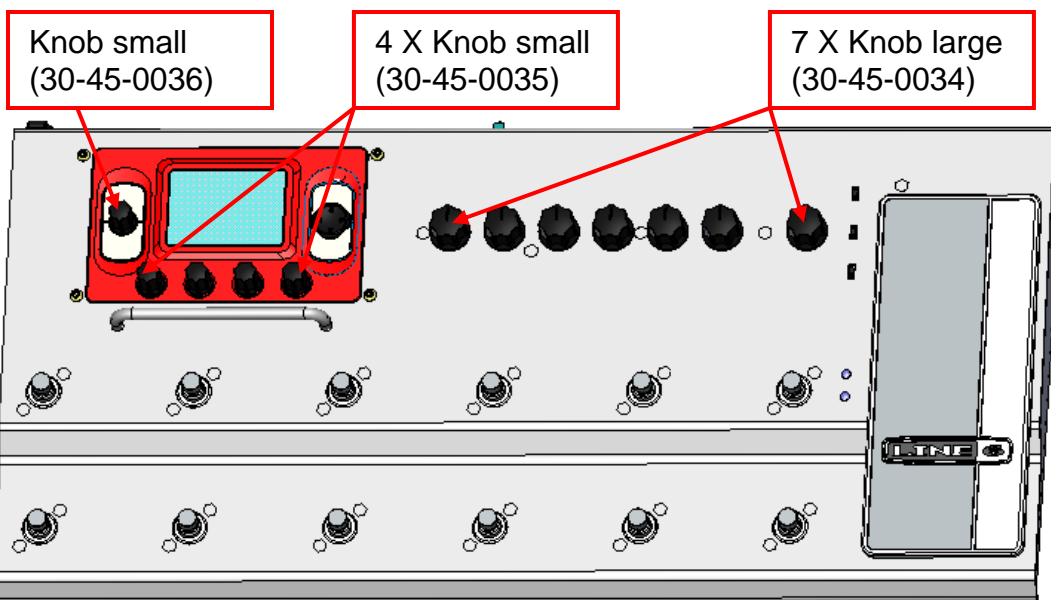
P/N required:

7 each 30-45-0034 – Knob Large with indicator

4 each 30-45-0035 – Knob small without indicator

1 each 30-45-0036 – Knob small no-indicator

Install seven (7) Knobs large with indicator (30-45-0034), four (4) Knobs small without indicator (30-45-0035) and one (1) Knob small no-indicator (30-45-0036) as shown.



Note: all knobs at full counter clockwise (0n/off) and unit should be clean and free of fingerprints

STEP 30

P/N required:

1 each **30-75-0013** VINYL CAP

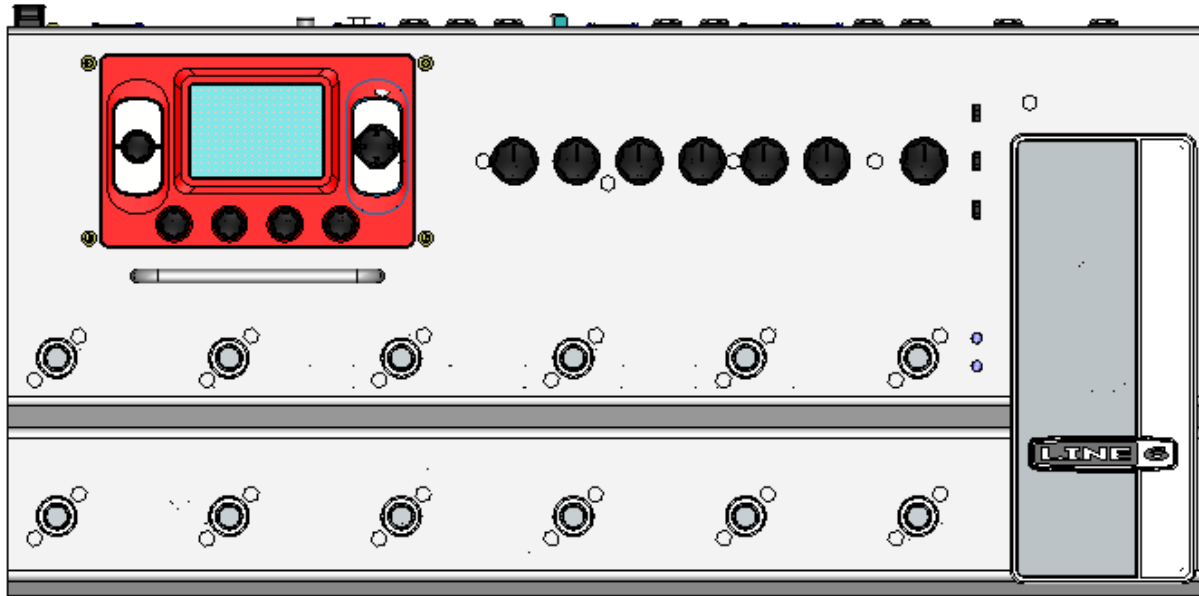
Press the VINYL CAP onto the Variax (RJ45) jack on the back panel of the unit as shown.



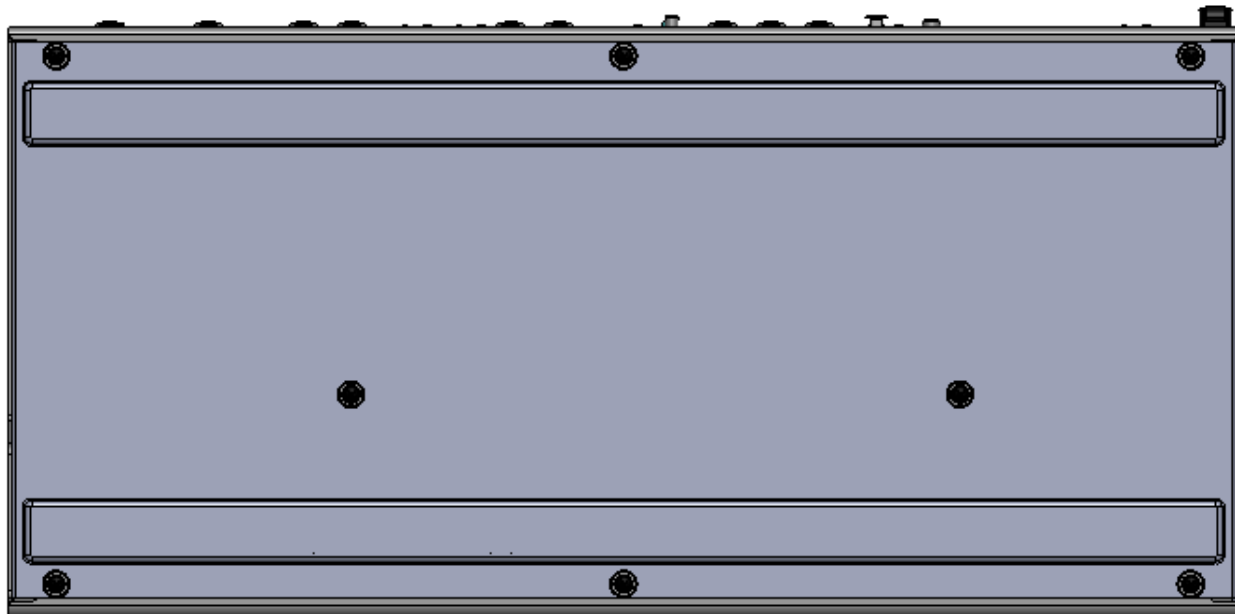


Assembly of the HD550 Complete Unit is now complete.

**Completed assembly
(Reference)**



Top view



Bottom view



Rear view



POD[®] HD500X EDIT

PILOT'S GUIDE



A guide to the features and functionality of the Line 6 **POD HD500X Edit** application.



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WORKFLOW

Welcome to the *POD HD500X Edit Pilot's Guide*. This guide contains details of the POD® HD500X Edit application's features and functionality. All behaviors are the same on Mac® or Windows®, unless otherwise noted. It is recommended that you also read the *POD HD500X Pilot's Guide* and *Advanced Guide* for details on using your POD HD500X device. These documents can be downloaded at <http://line6.com/support/manuals>.

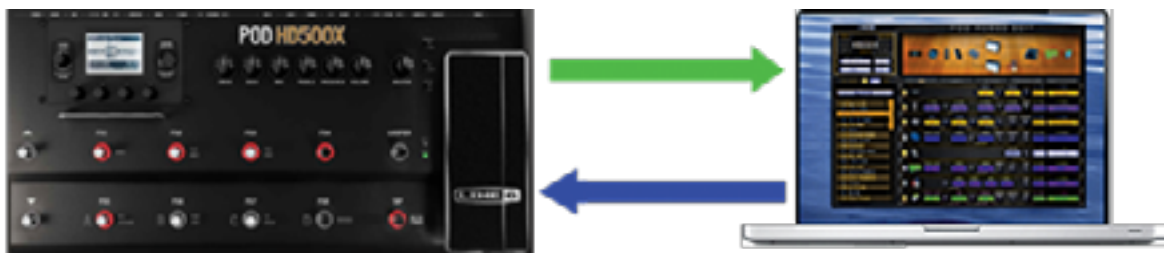
This Guide covers POD HD500X Edit version 1.0 and POD HD500X hardware with Flash Memory version 1.0 installed (or later versions). POD HD500X Edit is compatible with Mac OS® X 10.5 and later, and Windows® XP, Vista & later (all 32 bit and 64 bit versions). For the latest available software and Flash Memory versions, please see [“Using Line 6 Monkey” on page 7•1](#).

What's in it for Me?

POD HD500X Edit is a simple, but powerful, Preset editor/librarian application. It allows you to easily see and tweak all the individual Amp, Preamp & FX Models' parameters, as well as edit the Models & parameters of any connected Line 6 Variax® guitar, all within one attractive Graphical User Interface (or “GUI”), to create, customize, manage and backup your Tone Presets & Set Lists. You can also tap into the Line 6 [CustomTone™](#) site to share your POD HD500X Tones and download from the huge library of artist & user Presets! In this chapter, we'll focus on some of the common tasks you'll perform with the POD® HD500X Edit application.

Workflow Overview

Once the POD HD500X Edit application is launched, it automatically “receives” the complete contents of all 8 Set Lists from your device's internal memory, allowing you to view or customize any Preset's Amp & FX Model settings. While connected, communication between the application and your POD HD500X device's internal memory is instant - move any Block or adjust any parameter within the application and the modified settings are heard on your device. Likewise, adjustments made to your device's controls are visually reflected in the software.



Two-way communication exists between your device & computer via the USB connection

This interactive communication allows you to tweak any individual Amp or FX Models' settings within the application GUI and instantly hear and preview the changes, before committing them to the internal memory of your POD HD500X device.

TIP: It is also possible to use POD HD500X Edit simultaneously when using POD HD500X for (USB) computer recording, or when using an L6 LINK™ connection to DT50™ and DT25™ Amplifiers! When using the L6 LINK connection, USB audio is muted, however, but you'll still hear your tones through the DT amplifier and other POD HD500X outputs.

Settings changes made to your current Preset within the software are temporarily stored on your POD HD500X - that is, they do not overwrite the device's current Preset until you perform a save.

You can also move Presets to different Channel locations (in the same or a different Set List) within the application, to manage the contents of your device's Set Lists/Presets order. Once you are done with your Tone tweaking, you can “send” one or all of the current Set Lists or Tone Presets from the application to your device to save all settings within your device's internal memory. You can also choose to save Set Lists, Bundles and/or Presets to your computer's hard drive to build an unlimited library of Tones, which you can reload into the application, and to your POD HD500X, at any time.

Computer Connectivity

To put POD HD500X Edit to work, connect your POD HD500X device to your computer's USB 2.0 port to establish two-way communication. If you are using a Line 6 Variax instrument, connect it to the Variax Digital Input (VDI) on the rear of POD HD500X. Exit any Line 6 applications that might be running, and with your POD HD500X device powered on, launch POD HD500X Edit:

- **On Mac[®]**, go to Applications > Line 6 > POD HD500X Edit
- **On Windows[®]**, go to the Start button menu > Programs > Line 6 > POD HD500X Edit

Upon launch, the application will detect your POD HD500X and automatically retrieve and load all saved Presets. This may take a few moments since the contents of all 8 Set Lists are being transferred. The application's progress screen will let you know when the Preset loading process is complete. Your POD HD500X device's “Sync In Progress” screen is also displayed during this process. This screen appears whenever the Editor application has control of POD HD500X parameters, to let you know that the device's on-board controls are temporarily “locked-out” from changing settings to safely allow the sync process to complete.

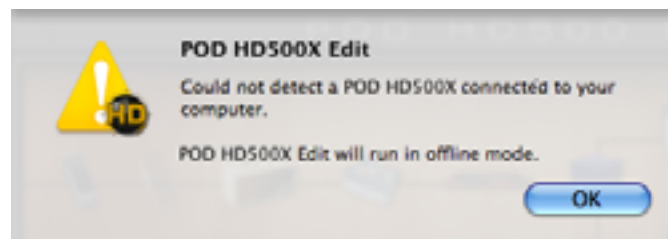


Edit application - Preset load progress screen



POD HD500X - LCD screen

If your POD HD500X device is not USB-connected and powered on, you'll see the following alert screen, warning you that no device was detected.



No Device alert

Click **OK** and you can either continue to run POD HD500X Edit in “Offline Mode” (see [page 1•3](#)), or, connect/power on your device and the application will prompt you to retrieve the connected device's Presets.



Alert indicating no connected POD HD500X was detected

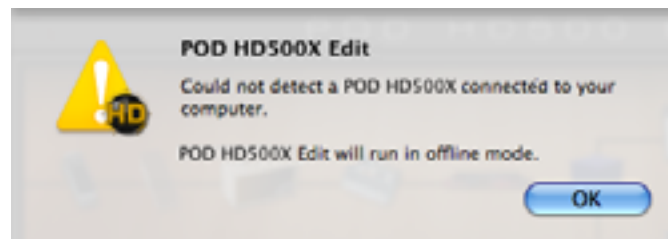
If you disconnect or power off POD HD500X, you'll see a flashing alert, as shown here, indicating that the POD HD500X device connection was lost. Reconnect your device and you'll be prompted with the Receive Presets screen. Click **“Yes”** to retrieve all Presets from the device's internal memory, or **“No”** to continue working in the application without importing the Presets.



Receive Presets prompt

POD HD500X Edit - Offline Mode

In some cases, you might want to load one of your saved Set Lists or Bundles from your hard drive, tweak, rename or reorder your Presets, and save the Set List/Bundle back to your computer without committing it to your POD HD500X device... No problem! To do this, launch the POD HD500X Edit application without your device connected. You see the pop-up alert telling you this will launch the application in “Offline Mode” - click OK to proceed.

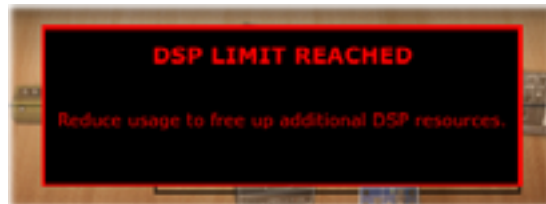


Offline Mode alert

Load your desired Preset/Set List/Bundle file using the File menu's **“Open”** commands, edit to taste and save the file back to your computer. At a later time, when you are ready to save the Preset/Set List/Bundle to your device, connect your POD HD500X and then launch the application. Open the saved Preset/Set List/Bundle, and use the Save Panel's **“Send”** functions to save the desired items into your device's memory.

Dynamic DSP

As covered in the *POD HD500X Advanced User Guide*, the POD HD500X device offers a vast number of HD Amp and FX of all types. Some Models require more Digital Signal Processing (DSP) than others, so we've implemented a "Dynamic DSP" management system in POD HD500X to allow you to mix and match any combinations of Models, and the device will automatically bypass Models if the DSP limit is reached. You'll be notified whenever this DSP limit is reached by the following alert:



DSP Limit alert displayed momentarily in the SFV pane

Likewise, you'll see a similar "DSP Limit Reached" alert displayed temporarily on your device's LCD screen. To alleviate the DSP load, you can toggle existing FX "Off" or set Blocks to "Null," or try switching to different Amp or FX Models. The HD Amps, Reverbs and Pitch type FX Models tend to be the heaviest DSP usage Models. However, even among Models of the same type, DSP requirements vary - Simply trying a *different* Amp, Reverb or Pitch FX Model may be enough to bring your Tone back below the DSP Limit.

Saving and Opening POD HD500X Preset Files

Note that there are two methods for "Saving" within the Line 6 POD HD500X Edit application. The Save Panel allows you to "Send" one or all Presets from the application to your POD HD500X device - see [page 2•1](#).

The other way to "Save," as covered here, is to create a copy of a Preset to any folder on your computer as a POD HD500X Edit Preset (.5xe) file. This allows you to create a library of Presets that can be reloaded onto your device at any time!

To Save a Preset to your Computer:



Double-click on a Preset within the application's main Presets Panel or Set Lists View to load it and then select "Save As" from the File menu. This launches the familiar Mac® or Windows® file "Save As" window, where you can edit the file name and choose a destination folder. By default, all .5xe files are saved to:

- **Mac®** - /Documents/Line 6/Tones/POD HD500X Edit folder
- **Windows®** - \My Documents\Line 6\Tones\POD HD500X Edit folder

It is also possible to drag any Preset directly from the main Presets Panel or Set Lists View and drop it onto your Desktop, or into any folder on your computer to copy it there. Or, select multiple Presets to drag and Save copies of each in one drop! (See the ["Set Lists and Presets" on page 6•1](#) for more on copying & moving Presets.)



To Save a Bundle to your Computer:



POD HD500X Edit allows you to instantly save *all* the application's current Set Lists, including all their Presets and current settings, into one consolidated "Bundle" (.5xb) file. This is extremely handy for making a complete, consolidated backup of all your current Set Lists & Presets, allowing you to load them all back into your device at any time! Just go to the File menu and select "Save Bundle As" to launch a "Save As" dialog, where you can enter a name and choose any folder to save the Bundle file.

By default, all .5xb files are saved to:

- **Mac®** - /Documents/Line 6/Tones/POD HD500X Edit/Bundles folder
- **Windows®** - \My Documents\Line 6\Tones\POD HD500X Edit\Bundles folder

Note that the Save Bundle feature always includes all Set Lists & Presets, regardless of any Preset(s) that might be selected within the Set Lists or Presets Panel.

To Save a Set List to your Computer:



POD HD500X Edit allows you to instantly save the currently loaded Set List, including all its Presets and their current settings, to a Set List (.5xs) file. This is extremely useful for making a complete backup of all the Presets in the current Set List, allowing you to load them all back into your device at any time! Just go to the File menu and select "Save Set List As" to launch a "Save As" dialog, where you can enter a name and choose any folder to save the file. By default, all .5xs files are saved to:

- **Mac®** - /Documents/Line 6/Tones/POD HD500X Edit/Setlists folder
- **Windows®** - \My Documents\Line 6\Tones\POD HD500X Edit\Setlists folder

Note that the Save Set List feature always includes all the Set List's 64 Presets, regardless of any Preset(s) that might be selected within the Presets or Set List Panel.

To Open a Preset, Bundle or Set List File from your Computer

Opening any of these files loads the file Preset(s) into the editor application. Note that these are loaded in the application as "edited" and the Preset title and settings on your connected POD HD500X are not overwritten until you choose to "send" them to your device, as described below.

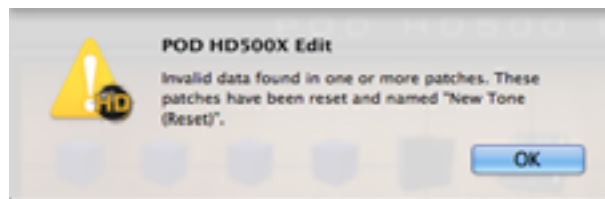


A newly opened Set List - all Presets appear as "unsaved" in POD HD500X Edit until Sent to POD HD500X

- **To open a Preset** - Select “Open” from the application’s File menu and browse to the location where your Preset (.5xe) files are stored (the default Preset folder locations are shown above). Selecting a Preset file loads its saved settings, replacing the currently loaded Preset and its Channel location within the application.
- **To open a Bundle** - Select “Open Bundle” from the application’s File menu and browse to the location where your Bundle (.5xb) files are stored (the default Bundle folder locations are shown above). Selecting a Bundle file loads its full set of all 8 Set Lists and their Presets, replacing all the currently loaded Presets within the application.
- **To open a Set List** - Select “Open Set List” from the application’s File menu and browse to the location where your Set List (.5xs) files are stored (the default Set List folder locations are shown above). Selecting a Set List file loads its full set 64 Presets, replacing all the currently loaded Presets in the currently loaded Set List within the application.
- Alternatively, you can drag a Preset, Bundle or Set List file from any folder on your computer and drop it directly in the POD HD500X Edit window to load the file’s settings. (Dragging and dropping a Preset or Set List replaces the currently loaded Preset or Set List in the application.)
- Use the Save Panel options (see [page 2•1](#)) to “Send” the desired Selected Presets/Set List/All to your connected POD HD500X device’s internal memory. This action permanently overwrites the respective Presets within your device’s internal memory.

Invalid Preset Alert

For POD HD500X Edit, we’ve built in detection for potentially corrupted Presets. When loading Presets, a Set List or Bundle, if you are prompted with this “Invalid data found” alert, this means that one or more of the Presets is possibly corrupted. For such Presets, they are “reset” and loaded into the Edit application and on your device as empty, New Tone Presets as a safety mechanism.



The “Invalid data found” alert

POD HD500X - Looper Functions

The POD HD500X Looper functions are not accessible within the POD HD500X Edit application. These features are still available via the device’s on-board switches while using POD HD500X Edit, however, there are no functions within the application’s GUI to specifically control the Looper functions. The following behaviors apply:

- The Looper Block is not accessible within the Edit application, so you won’t see it in the Signal Flow View of the software. Therefore, its “Pre” and “Post” position options are accessible strictly from the POD HD500X hardware. (The Looper blocks Pre/Post setting is a global one, so it is not saved per Preset.)
- If you set your POD HD500X device into an active Looper mode (Record, Overdub or Play), the application simply remains showing the same currently loaded Preset.
- Double-clicking on a Preset within the Presets or Set Lists Panel loads the saved Preset in the application and on the device. If the device is currently in an active Looper mode, it will simply remain in this mode, and the saved Preset settings will be audibly loaded.

GUI OVERVIEW

In this chapter, we'll describe the various sections of the POD® HD500X Edit application's Graphical User Interface (GUI). Here we've laid out descriptions for all the important things you need to know as you start clicking around in the application.



The POD HD500X Edit main “GUI”

1 Save Controls

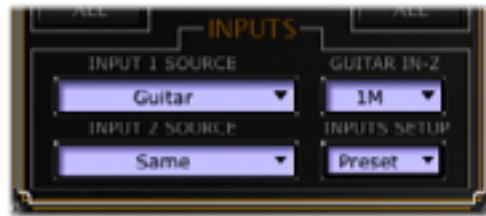
The Save Controls allow you to “Send” and “Receive” Tone Presets or complete Set Lists between the application and the POD HD500X device’s internal memory.



The Save controls

Using the SEND buttons overwrites the existing Preset/Set List data in your device’s internal memory, effectively *Saving* the transferred items to your POD HD500X. Using the RECEIVE buttons imports the **last saved versions** of the selected Presets or Set List into the application. For more details, please see the chapter [“Set Lists and Presets” on page 6•1](#).

2 Inputs Panel



Input Source selectors

- **Input Sources:** Choose the sources for Inputs 1 & 2. These options are the same as those found in your POD HD500X **Setup:Inputs** screen and are saved individually per Preset.

Note: When selecting the Variax Input Source for a James Tyler® Variax® guitar, the guitar signal (Model or Magnetic pickup) is determined by the guitar's on-board selector switch. This switch state is also saved and recalled with the POD HD500X Preset. The Variax Mag Input Source receives strictly the Tyler Magnetic Pickup signal. Additional Variax Digital Input (VDI) options are available in the Mixer screen - see [“Variax Controls” on page 4•2](#).

3 Tap Tempo Options



Tap Tempo options

Enter in a “Tap Tempo” value by clicking directly in the text box to type in a specific BPM, or “tap” rhythmically on the LED button with your mouse. Your tempo-based FX can optionally be set to a note division of this Tap Tempo value (see below).

About Tempo Sync

Tempo-based FX (Modulation, Pitch & Delays) each include their own, individual “Tempo Sync” option to either follow the Tap Tempo BPM value, or to be set manually. Additionally, a “system” Tempo Sync option is also available that allows you to choose whether the FX follow the Tap Tempo as a per-Preset value or globally - see [“Utilities Options \(Tempo Sync & Trails\)” on page 4•4](#).

4 Presets Panel

The main Presets Panel displays all 64 Channel locations (01A through 16D) that correspond to the respective Set List's Channel locations within your POD HD500X device's internal memory.

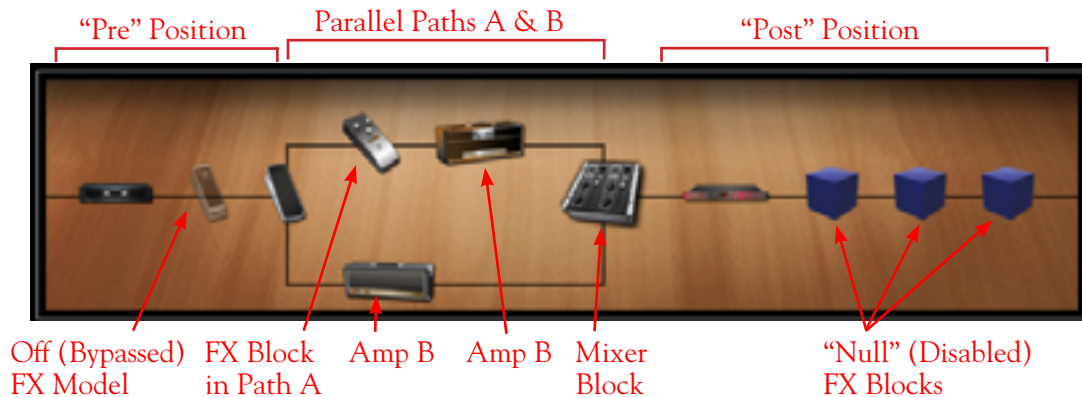


The Presets Panel

Within the Presets Panel, you can load a new Set List and/or Preset as well as perform all kinds of functions with your Presets, including moving or copying them to different Channel locations, using the Save Controls to “send” and “receive” Presets between your computer and device, and more. Please see [“Set Lists and Presets” on page 6•1](#) for all you need to know about working with Presets.

5 Signal Flow Panel

This panel is essentially the equivalent of the Signal Flow View screen on your POD HD500X hardware. It provides a handy visual reference of the On/Off/Disabled state and signal flow position of all Amp & FX Models for the loaded Preset.



The Signal Flow Panel

- **Pre Position:** The area before the Path A & B split is referred to as the “Pre” Position. Note that FX Blocks placed here are positioned “Pre” Amp Blocks. (An Amp Block can also be placed in the Pre position area, but will always be at the end of the Pre section.)
- **Parallel Paths A & B:** The top signal path is Path A and the lower is Path B. It is possible to move FX and/or an Amp Block into each of these paths, to create a “parallel” configuration. We’ll cover the possibilities in other sections of this Guide, but here are some pointers for Paths A & B:

- To utilize two Amps in your tone, it is necessary to move your Amp Block into Path A, and an Amp B Block is automatically added to Path B, for which you can select an Amp B Model.
- Any of the 8 FX Blocks can be moved into either Path A or B, and placed before or after an Amp Block within the path.
- The POD HD500X Source Input 1 is fed through Path A, and Source Input 2 is fed through Path B, unless a mono FX Model is inserted in the Pre position, which down-mixes the two input sources to mono and feeds them both equally into Paths A and B. (See the **Input Source selectors** section on [page 2•2](#).) Note that you can move all FX and Amp Blocks out of these Paths completely, but the Paths always exist, and your Source Inputs are always fed through them, and thus, through the Mixer Block.
- Use the Mixer Block to independently adjust the Level and Pan for Path A and B (also see [“Mixer Block & Variax Options” on page 4•1](#)).
- **Post Position:** The area to the right of the Mixer Block is referred to as the “Post” Position. Note that FX Blocks placed here are positioned “post” Amp Blocks. (An Amp Block can also be placed in the Post position area, but will always be at the start of the Post section.)

See [“Signal Flow View Features” on page 2•5](#) for details on all the functions available for this panel.

6 Edit Panels

This area of the GUI offers 5 buttons to display each of the different Edit Panel Views - **FX, Amps, Mixer, Controllers** and **Set Lists**.

Edit Panel display selector buttons



The Edit Panel display - FX Edit Panel view selected

We’ve provided detailed info on each of these Views in the following sections:

- **FX View:** Provides full editing capabilities for each of the 8 FX Blocks - see [“Working with FX Edit Panels” on page 3•1](#).

- **Amps View:** Provides full editing capabilities for the 2 Amp Blocks, including Cab, Mic, Line 6 DT Series amplifier parameters and more - see [“Working with Amp Edit Panels” on page 3•5](#).
- **Mixer View:** Provides editing of the Path A/B Mixer, L6 LINK™ Audio & Control options and Variax input - see [“Mixer View” on page 4•1](#).
- **Controllers View:** Provides editing of the footswitch & pedal controller assignments, both for control over your Preset’s Amp & FX functions as well as for independently transmitting MIDI Control Messages - see [“Configuring Footswitches & Controllers” on page 5•1](#).
- **Set Lists View:** The Set Lists “Librarian” screen provides access to the contents of all 8 Set Lists, for easy management of Set Lists and Presets - see [“Set Lists and Presets” on page 6•1](#).

Signal Flow View Features

Just like on your POD HD500X device, the Signal Flow View (SFV) is the primary screen for referencing all the sonic elements of your current Preset. This SFV Panel remains in sync with your connected device’s SFV “Home” screen - changes made via the hardware or software are reflected in both.* Here within the software’s SFV panel, you can click directly on any FX or Amp Block to move its Block, or access its parameters in the respective Edit Panels below. All changes made within the Signal Flow panel are saved individually per Preset.

*Note: The Looper Block and other Looper functions are not displayed or accessible within the POD HD500X Edit application - see [“POD HD500X - Looper Functions” on page 1•6](#).

FX & Amps On/Off/Null States

All FX & Amp Models include an On/Off “LED” button (see [“FX Panel Controls” on page 3•2](#)). The icon for the respective effect within the Signal Flow Panel dims to indicate its Off state:



FX Model On



FX Model Off



Amp Model On



Amp Model Off

“Null” Block Indicator

Whenever an FX or Amp Block is “empty” (its Model Type selector is set to “---”) the Block appears in the SFV as a “Null” Model to indicate this disabled state.



Null FX Block

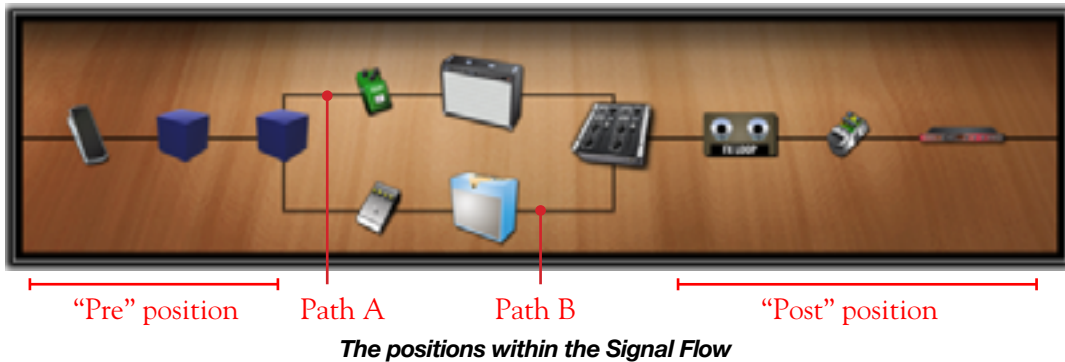
Null Amp Block

Note that Null Model Blocks can still be selected and moved, just like active FX and Amp Blocks. Once you select a Model for the Block, the icon in the SFV changes to indicate the chosen Model.

Model Position

The left to right position of the Models as displayed in the Signal Flow Panel is precisely the order in which your input signal flows through them. Just as in the “analog world,” the ordering of your FX can change the sound you get from them - e.g. a Chorus or Phaser will sound different before versus after a Distortion.* If you’d like to change any Model position, you can use the handy Move buttons in the Signal Flow View panel to reposition your FX and amp Blocks as desired.

*Note: Some FX are stereo and others are mono (and all Amps & Preamps are mono), therefore, a stereo signal is typically “mono-ized” at the output of a mono Block. Please see the *POD HD500X Advanced Guide* for more about Model positioning and the signal flow - <http://line6.com/support/manuals>.



Moving FX & Amp Blocks

Rearranging the order of the Amp & FX Models in your Tone is as simple as dragging and dropping within the Signal Flow View panel!

As soon as you hover your mouse cursor over an FX Block, you’ll see its respective FX edit panel below outlined - this allows you to know which Model your are accessing.

Arrow indicator appears when cursor is over an FX Block



Amber outline indicates the respective FX Block’s edit panel

TIP: An FX Block containing the FX Loop can also be moved like any other FX Block, allowing you to place your POD HD500X analog FX Loop’s Send/Return at any point in your signal chain - including in the parallel Paths A or B!

As you click and drag a Block, you’ll see any potential “drop” location for the Block be indicated by a vertical bar, as shown below. Simply release the mouse button to move the Block to this indicated location.



Dragging an FX Block, from Post to Path A



Dragging an Amp Block, from Path A to Post

Any of the 8 FX Blocks can be moved to any position within the Pre, Post, Path A or Path B areas. A few rules apply for moving Amp Blocks, as listed below.

TIP: We've also included the **Vintage Pre**, tube-voiced Mic Preamp, which is found within the Preamp+EQ Model Menu of any FX Block. This Preamp model (or even multiple instances of it) can be positioned anywhere in your signal path! The Vintage Pre is great by itself as a Mic Preamp, or in conjunction with Amp Models to add some boost or tube warmth to an instrument.

- Only one Amp Block can exist in your Tone when placed in the Pre or Post SFV positions.
 - An Amp Block in Pre position can be placed only at the end of the Pre section, after any Pre FX.



Amp Model in the Pre position

- An Amp Block in the Post position can be placed only at the start of the Post section, before any Post FX.



Amp Model in the Post position

- When moved into Path A, a 2nd (“Null”) Amp Block is automatically created in Path B, for which you can choose an Amp/Preamp Model, if desired.



Dual Amps within Paths A & B - Amp B is in the “Null” (disabled) state

- The Amp Block in Path A (“Amp A”) can be moved left or right into either the Pre or Post positions, as shown above. Once moved out of Path A, the Amp B block is automatically removed from the signal flow. Amp A cannot be moved down into Path B.
- Amp Blocks cannot be moved to different positions within Path A or B (however, you can move FX Blocks before or after Amps within these Paths). Amp B cannot be moved at all from its Path B position.



Menu Commands

To follow are descriptions of the application's menu commands and their functions. The location of some commands are different on Mac® versus Windows® systems, as noted below.

POD HD500X Edit (This menu is shown only on Mac®)

- **About POD HD500X Edit** - Launches the About box, which includes info about your connected hardware and software version.
- **Quit POD HD500X Edit** - Exits the application.

File (Also see [“Saving and Opening POD HD500X Preset Files” on page 1•4.](#))

- **Open** - Allows you to load a saved POD HD500X Edit Preset (.5xe) file from any folder on your computer.
- **Save As** - Allows you to save a copy of the loaded Preset as a POD HD500X Edit Preset file (.5xe) to any folder on your computer.
- **Open Bundle** - Loads a saved POD HD500X Edit “Bundle” (.5xb) file from any folder on your computer, replacing all Presets within the application.
- **Save Bundle As** - Allows you to save all current Preset settings as a POD HD500X Edit “Bundle” (.5xb) file to any folder on your computer.
- **Open Set List** - Loads a saved POD HD500X Edit Set List (.5xs) file from any folder on your computer, replacing the currently loaded Set List and all its Presets.
- **Save Set List As** - Allows you to save the currently loaded Set List, along with all its Presets & their current settings, as a POD HD500X Edit Set List(.5xs) file to any folder on your computer.
- **Exit (Windows® only)** - Exits the application.

Help

- **POD HD500X Edit Help** - Launches this PDF document you are now reading.
- **Online Help** - Takes you directly to the Line 6 Community site, the place to find additional documentation, FAQs, User Forums, Technical Support, breaking news and more!
- **CustomTone.com** - Takes you to the Line 6 CustomTone site, where you can share your Tone Presets with thousands of other Line 6 users, and download free Tones from the huge library!
- **About POD HD500X Edit (Windows® only)** - Launches the About box, which includes info about your software version and connected device.

EDITING FX & AMPS

This area of the GUI offers 5 buttons to display each of the different Edit Panel “Views” - **FX**, **Amps**, **Mixer**, **Controllers** and **Set Lists**. In this chapter we’ll cover the FX and Amps Views.

Working with FX Edit Panels

Within the FX View, you’ll see an individual “Edit Panel” for each of the 8 FX Blocks. These panels provide you easy access to select the desired FX Model and all its individual parameters for each Block, making deep editing easier than ever!

Edit Panel display selector buttons



The Edit Panel display - FX View selected

FX Panel Indicators

Each FX Panel also offers a few useful visual indicators. Note that, since any of the 8 FX Blocks can be moved into any position within the Tone’s signal flow, the FX Edit Panels will not necessarily be in a vertical order that matches the FX Blocks’ Left-Right order in the Tone.

When you hover your mouse cursor over an FX Block within the Signal Flow View, you’ll see a black ‘down’ arrow appear over the FX Block in the SFV. When this black down arrow appears in the SFV, the corresponding FX Edit Panel becomes outlined to indicate it is the Edit Panel for this Block’s settings, as shown below. This FX Panel outline is displayed whether the Model is On or Bypassed.

When hovering mouse over the Delay FX Block, the black arrow is displayed...



...The respective FX Edit Panel is outlined

FX Panel Controls

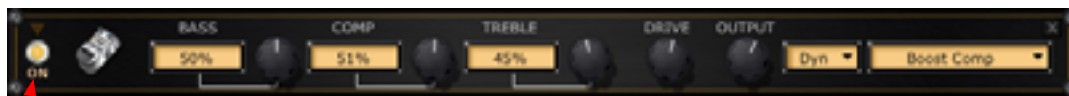
You'll see that the controls displayed within each Edit Panel are specific to the FX Model selected. To follow are descriptions of the different FX Edit Panel controls.

On/Off LED switch

FX Model Type selector / Numerical Value display



- **Knob controls** - Click and drag any knob vertically to adjust its value. Or, click to “select” a knob and then use your computer’s arrow keys or mouse wheel to adjust it. Also, simply hovering your mouse cursor over any knob allows it to be adjusted via your mouse wheel. Most knob controls also include a numerical indicator/edit box that provides access to the parameter value as well (see the following description).
- **On/Off FX switch** - At the left of each FX Panel, you’ll see a little “LED” On/Off control. Click directly on this LED to toggle the Model between On or Off. You’ll see the LED and all edit boxes dim to indicate the Model’s Off (bypassed) state. Note that you’ll also see the Model’s icon within the Signal Flow View dim when Off - see [“Signal Flow View Features” on page 2•5](#). The panel’s knobs and text fields are not able to be edited when toggled Off.



On



Off

- Model Type menu** - Click the down arrow to select from the list of FX Model categories. This list offers the same options for each FX Panel. Selecting “---” sets the FX Block to the “Null” (disabled) mode, which is essentially an empty FX Block (and thus, a blank, “Null” FX Panel) that utilizes no POD HD500X DSP resources.



The Model Type Menu

- FX Model menu** - Click the down arrow to select from the list of Models within the selected Model category. The FX Block’s icon displayed in the Signal Flow View will dynamically change to illustrate the specific Model you select.



The Model Select menu

- Numerical indicator/edit boxes** - Some knob controls have an adjacent text box that shows the numerical setting value. You can also click on the text box and drag up/down to adjust its value, or double-click within any box to type in a specific numerical value. Also, simply hovering your mouse cursor over any numerical edit box or knob allows it to be adjusted via your mouse wheel.



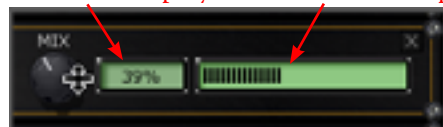
Click and drag vertically



Double-click and type in a value

- Mix knob value indicators** - For knobs that do not include an adjacent text box (typically a few of the knobs at the far right of some panels), these controls utilize the FX Type and Model Select boxes at the right of the panel to indicate their values. Just rotate one of these knobs and you’ll see this in action, such as when turning the Mix knob for most FX.

Numerical indicator display Bar value display



Adjusting an FX Panel’s Mix knob

Tempo Sync Parameter

When a Modulation, Filter or Delay Model Type is selected, you'll see a "Tempo Sync" control, which offers a selection of "Off" or several note division options.

Note: The "system" Tempo Sync option within the Mixer View further allows you to choose whether the FX follow the Tap Tempo as a per-Preset value or globally - see [page 4•4](#).



Modulation FX - Tempo Sync & Speed



Delay FX - Tempo Sync & Time

- **When set to Off:** The "Speed" or "Time" option to its right can be used to manually choose any desired rate for the effect's modulation speed (Hz) or delay time (ms).
- **When set to a note value:** The Tempo Sync is active, meaning the effect's speed or time utilizes the current "Tap Tempo" value, divided by your selected note value.
- **Stereo Delay FX Model:** Note that the Stereo Delay includes two, independent Delay Time parameters, therefore, you'll see 2 Tempo Sync options ("Sync Left" and "Sync Right") in the FX Edit Panel for this Model so that you can set each Time independently!



The two, independent Tempo Sync options for the Stereo Delay FX Model

Trails Option

Note that the "Trails" On/Off setting found in the Mixer View (see [page 4•4](#)) allows echo repeats and/or the decay of Delay and Reverb FX to continue when the Model is toggled off.

Controller-Assigned Parameters

When an FX parameter is assigned to the **EXP 1**, **EXP 2** pedal or **Variac Volume** or **Tone** knob controllers, you'll see this indicated within the FX Edit Panel (for parameters that include a numerical value box). The respective control for the parameter will display this "EXP-1" or "EXP-2" assignment in place of the numerical value - a reminder that this parameter can only be controlled via the Pedal. (Please also see ["To Assign an FX or Amp Parameter to a Pedal or Variac Knob Controller"](#) on [page 5•3](#).)

- For example, if the Pitch Glide Model's "Pitch" parameter is assigned to Pedal EXP-1, the Panel appears like this:



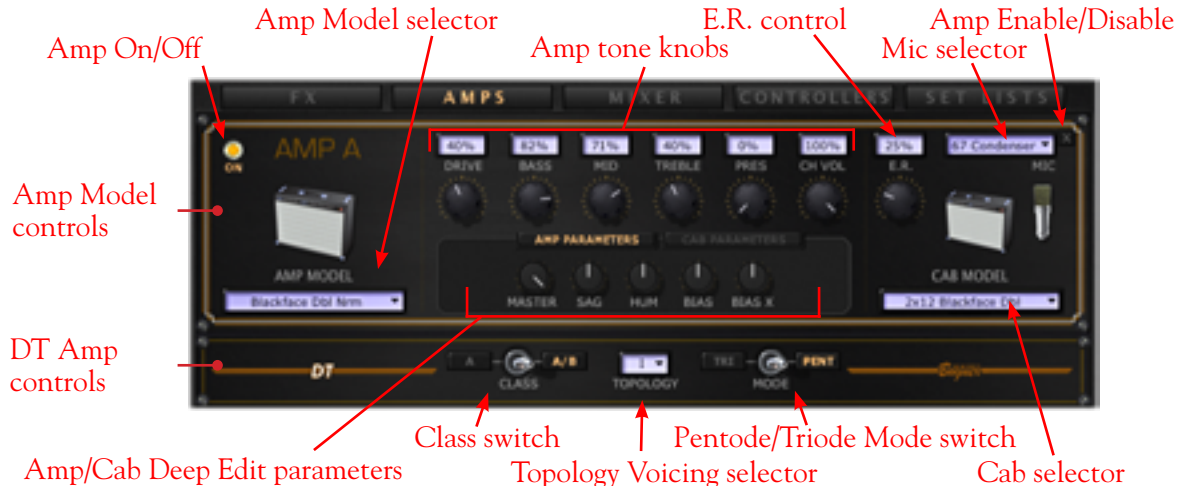
The Pitch parameter edit box shows the current EXP-1 Pedal assignment

- When a parameter is assigned to a Pedal, adjusting the respective Panel's knob (such as for the "Pitch" knob in our above example) does not send any info to the device.

Note: For Wah and Volume FX Models, if their "Position" parameter is not assigned to a controller, the Panel's Position knob can be used to dial in a fixed value - such as a "parked" Wah tone for the Wah!

Working with Amp Edit Panels

Select the **AMPS** button to display the Amp Edit Panels. Here you can access all options for selecting Amp/Preamp, Cab & Mic Models & edit all their parameters. Here you can also access the parameters that are sent to any L6 LINK™ connected DT50™ amplifier!



Above is an example of the Amps View for a Tone that includes one Amp Block. When only one Amp Block exists, it is always "Amp A." When the Tone includes two Amp Blocks, you'll see an additional "Amp B" edit panel - its controls are the same as described for Amp A, except where noted below (see ["Dual Amp Tones" on page 3•7](#)).

- **Amp On/Off** - When Off, all controls for the Amp, Cab & Mic Models are disabled, as well as the DT50 amp settings. Additionally, the CH VOL knob changes to an active BYP VOL (bypassed volume) knob, providing level adjustment for the signal fed through the Amp Block.



- **Amp Model selector** - Click on the Amp Model menu to select an Amp or Preamp Model. Note that when selecting an Amp Model this way, the default settings for the specific Amp are loaded.
- **Amp tone knobs** - Just as on your POD HD500X hardware, use the knobs here to adjust the Amp's gain & EQ. Note that some Amp Models include a few knobs that are labeled differently than the POD HD500X physical Amp knobs. In the cases where the classic amps we've modeled include special knob controls, we've emulated their behaviors accordingly. These are listed as follows:
 - **Super O** - The actual Supro®* amp we modeled has only a Drive and a Tone knob. Therefore, in the Amp Panel we have a knob labeled "Tone" (which we mapped to the POD HD500X device's MID knob) and we invented Bass, Treble, and Presence controls.


- **Divide 9/15** - The Divided by 13* amp we modeled offers two interactive channels. Therefore, in the Amp Panel we have a “Drive 1” knob (mapped to the device’s **DRIVE** knob) which controls the “clean” channel level, and a “Drive 2” knob (mapped to the device’s **BASS** knob) which controls the “dirty” channel level. Also, we’ve added “Tone” & “Cut” knobs in the Amp Panel to emulate these original amp controls (which are mapped to the device’s **MID** & **TREBLE** knobs, respectively).
- **Class A-15 & Class A-30TB** - Following the design of the Vox®* amps we modeled, we’ve added a “Cut” knob in the Amp Panel (which is mapped to the device’s **MID** knob). Turning the “Cut” knob counter-clockwise reduces the high end frequencies.
- **Early Reflections (E.R.) control** - Add the desired amount of reflective “room” sound to your amp tone. This is the equivalent of the E.R. control found in the **Amp-Edit Mode**, page 2 screen of your device.
- **Mic selector** - Choose from among the 8 different Microphone Models to use to mic your Guitar Amp. If you have selected the 115 Flip Top Bass Cab, you’ll see a unique set of Bass-friendly Mics here.
- **Cab selector** - Choose from among the list of speaker cabinets to use with your Amp. Note that the 115 Flip Top is a Bass Amp Cab, but you can certainly try any Guitar Cab with Flip Top Bass Amp, or vice-versa, for different tones.
- **Deep Edit Parameters (DEPs)** - The set of knobs here provide even more tweaking power amp and speaker characteristics. Click on the buttons to toggle between accessing the Amp or Cab set of DEP knobs. When adjusting one of these knobs, its value is displayed as shown below:

* Note: When a Preamp Model is in use, the Amp DEP knobs are not available within the Amp Edit panel (just as they are not displayed in the hardware’s Amp Edit panel for a Preamp Model).

- **Power Amp DEPs** - The 5 knobs here relate to the power amp parameters (Master Volume, Sag, Hum, Bias & Bias Excursion) found within the device’s Amp Edit screens whenever a “Full” Amp Model is in use. Note that when adjusting one of the DEP knobs, its value is displayed as shown below:



The DEP knob’s value is indicated numerically, and beneath the Amp Model or Cab Model while adjusting

- **Speaker Cab DEPs** - The 4 knobs here relate to the speaker cab parameters (Low Frequency Cut, Resolution Level, Thump, & Decay) found within the device’s Cab Edit screens.
-  **Amp Enable/Disable switch** - Clicking on this “X” button at the top right of each Amp panel has the same result as choosing the “---” (no amp) option in the Amp Model selector. It unloads the Amp/Cab/Mic Models and places the Amp Block in a “Null” (disabled) state. You’ll see the Null Amp Block displayed in the Signal Flow Panel to indicate this state as well. (To “Enable” the Amp Block again, choose the desired Amp using the Amp Model selector.)

* All product names are trademarks of their respective owners, which are in no way associated or affiliated with Line 6. These product names and descriptions are provided for the sole purpose of identifying the specific products that were studied during Line 6’s sound model development. Supro® is a registered trademark of Zinky Electronics. Vox® is a registered trademark of Vox R&D Limited.



The Amp Panel in the “Null” (disabled) state



The respective “Null” Amp Block shown within the SFV

TIP: Any of the Amp Tone Knobs can optionally be controlled with the POD HD500X **EXP 1** & **EXP 2** pedal controllers, and Variax knob controllers! See [“To Assign an FX or Amp Parameter to a Pedal or Variax Knob Controller” on page 5•3.](#)

Dual Amp Tones

As mentioned above, when your tone includes 2 Amp Models, you’ll see an additional “Amp B” edit panel displayed. Its controls adjust the Amp B parameters independently, just as described above for Amp A. A few specific Amp B behaviors apply.



The Amp Edit View with a Dual Amp Tone loaded

- **Removing Amp B:** It is possible to remove Amp B from your Tone - For example, if you move Amp A out of Path A to the Pre or Post positions, Amp B is automatically removed. (It is not possible to move Amp B’s position.) When Amp B is removed, you’ll see its Amp Edit Panel removed from the Amp Edit View as well.
- **DT Series Amp Settings:** The Amp A & B Models each have their own set of DT amp settings - see next section.



DT Series Amplifier Controls



DT Amp Controls

There are two sets of DT amp controls available within the Amp panel: one each for the Amp A Model and Amp B Model. Each set of controls can be used to configure a DT50 or DT25 amplifier's tube power amp Topology parameters for the selected Amp Model. These settings are saved with your Preset, but only utilized when your POD HD500X is connected to one or more Line 6 DT Series amplifiers via the L6 LINK connection.*

*Note: These DT settings are strictly for the power amp Topology settings utilized by DT50/DT25 amps via the L6 LINK connection. The POD HD500X Amp/Preamp Models' "Audio" & "Control" signals fed to each connected DT amp is separately determined by settings made using the L6 LINK options within the Mixer View - see "[L6 LINK Audio & Control Options](#)" on page 4•3.

- When choosing a new Amp/Preamp Model, we've already pre-configured default settings for these 3 parameters to match those of each classic amplifier that we modeled. But you can change these settings within the DT panels as desired to coax completely different analog power amp Topology combinations from your DT!
 - **Class switch** - Toggles the DT power amp to function in Class A or Class AB operation.
 - **Topology Voicing selector** - Chooses the DT Negative Feedback Loop Topology type (I, II, III or IV), as well as other power amp circuitry voicings.
 - **Mode switch** - Selects the DT power tube mode between Triode or Pentode.

Please also see the and additional POD HD - L6 LINK documentation available at <http://line6.com/support/manuals/> for more details about these DT Series amplifier settings and L6 LINK connectivity.



Line 6 DT50 Combo Amplifier

MIXER VIEW

In this chapter, we'll cover the Mixer View, where you'll find controls for the Mixer Block, Variax®, L6 LINK™, and Tempo Sync & Trails options.

Mixer Block & Variax Options



The Main Mix and Variax Input controls

Main Mix Controls

These controls at the left are the equivalent of the Mixer Block parameters available on your device when selected within the device's Signal Flow View (SFV) screen. These faders & knobs offer independent Level and Pan control for the stereo signals from Path A and Path B, which are then fed into any Models in the "Post" SFV position and out to the device's outputs. These settings are saved per Preset.

For additional details on POD HD500X signal routing, please refer to the *POD HD500X Advanced Guide*, available from the [Line 6 Product Manuals page](#).

- **Level Faders:** Adjust the output level from Path A or Path B from "Mute" to +12dB. Just drag the fader or numerical edit box below it with your mouse, or, once you click on the fader, use your mouse wheel or computer arrow keys to adjust it. Alternatively, you can double-click in the numerical box and type in a specific value.
- **Pan Knobs:** Adjust the knobs to Pan the Path A or Path B output signal. Use your mouse, arrow keys on the knob or edit box as described above for the faders.
- If you have a dual Amp Tone configuration, try panning each Path opposite and adjust the levels of each to taste for a huge stereo sound with two different amp sounds. Also try moving different FX Models into each path for even more dramatic stereo results!



Variax Controls

If you are using a Line 6 Variax instrument, connect it to the **VARIAX** VDI input on the back of POD HD500X and select a “Variax” input option for at least one of your Source Inputs (see the Input settings on [page 2•2](#)). These options are the same as offered within the device’s **Setup:Variax** screens.

- **VDI (Variax Digital Interface) Input:** Select your connected Variax instrument type here. Once selected, you’ll see additional options for your specific Variax.
- **Variax Control:** Choose “Preset” here to allow the Variax options you select be applied and saved with the current Preset only. Or, choose “Global” to have these Variax settings apply regardless of the current POD HD500X Preset in use.*

*Note: The Variax Control - “Global” setting does not apply to Variax Tuning options that appear for the James Tyler Variax guitar.

- **Local Control: (Available for James Tyler Variax guitars only)** These options allow you to “lock” the operation of the instrument’s Volume and/or Tone knobs and Pickup selector switch for the Modeled output of your JTV.* When locked, they will not control the guitar’s Modeled Volume/Tone/Pickup selection. It can be desirable to lock these local controls if you assign them to function as Controllers for POD HD500X Amp or Effects parameters. Please see [“To Assign an FX or Amp Parameter to a Pedal or Variax Knob Controller” on page 5•3](#) for more information.

*Note: For the Magnetic output mode of the JTV guitar, only the Volume knob Lock functionally “locks out” the local volume control. The Tone knob and Pickup selector switch will always function locally for the Magnetic output, regardless of these Local Control - “locked” settings.

- **Model:** Select the Variax Guitar/Bass Model here. Or, set to “Don’t Force” if you prefer to not have the Variax Model auto-selected by the POD HD500X Preset, as noted above.
- **Variax Tuning: (Available for James Tyler Variax guitars only)** Choose “Don’t Force” here to allow your JTV to utilize its local tuning, or select “Custom” if you want to create an alternate tuning and have it saved and loaded per Preset.
 - To create a Custom tuning, use the individual string selectors below and **Offset** menu to change the specific tuning for each string.
 - The Offset will change the pitch by the selected +/- semi-tone value relative to your JTV string’s physical tuning. (The Offset feature assumes your guitar is physically tuned to standard pitch (E, A, D, G, B, E), with an A = 440 Hz reference.)
- **Tone Knob(s):** You’ll see knobs corresponding to your Variax Guitar/Bass knobs here. Set each to the desired setting for the Preset.

L6 LINK Audio & Control Options



The L6 LINK Audio & Control options for up to four DT Series amplifiers

These options are the equivalent of those found in the **Setup - L6 LINK:Audio** and **L6 LINK:Control** screens of your POD HD500X device - changes made via the hardware or software are reflected in both. All options here are saved per Preset. To follow is an overview for these settings.

Note: Use the DT amplifier options for each Amp Model within the Amps View panel to customize the power amp Topology settings that the respective DT amp utilizes for each of the Preset's Amp Models - see the "DT Series Amplifier Controls" section on page 3•8.

Amp 1 - Amp 4, Audio Options

The selection you make for each of these options determines the mono audio signal that is fed to each DT amplifier:

- Choose the main output signal by selecting either **Left**, **Right**, or **Left/Right** (summed).
- Choose from the output point of one specific Amp Model by selecting either **Amp Model A** or **Amp Model B**.

Amp 1 - Amp 4, Control Options

The selection you make for each of these options determines whether each connected DT Series amplifier "follows" the POD HD500X Amp Models & settings and/or other connected DT amps' settings.

- Each DT amp can be set independently to follow either the current Preset's **Amp Model A** or **Amp Model B**.
 - The DT amp automatically configures its power amp Topology settings to match the selected Amp Model A or B.
 - The DT amp controls are also synced to the selected Amp Model A or B.
- Alternatively, you can select one of the unused MIDI Channels to set the DT amp's MIDI communication channel. This effectively sets the respective DT50 to utilize its own internal Amp Model (rather than the POD HD500X Amp Model), and "syncs" its front panel controls with other DT amps that are set to the same MIDI Channel.

L6 LINK offers a great deal of flexibility and instructions differ depending upon the number of DT50 amplifiers connected and the results you wish to achieve. Please see the additional **POD HD - DT Series L6 LINK Connectivity Guide** available at <http://line6.com/support/manuals/> for the full info!

Utilities Options (Tempo Sync & Trails)



The Tempo Sync and Trails options

As described on [page 2•2](#), Tempo-based FX each include their own, individual “Tempo Sync” option to either follow the Tap Tempo BPM value, or to be set manually. Additionally, this “system” Tempo Sync option here in the Mixer View allows you to choose whether the FX follow the Tap Tempo as a per-Preset value or globally. This Tempo Sync option is the equivalent of the option found in your device’s **Setup:MIDI/Tempo** screen.

- **Tempo Sync:**
 - **When set to Preset:** Tempo settings are saved and recalled on a per Preset basis.
 - **When set to Global:** Tempo information stored within any Preset is ignored. When saving a Preset while set to Global Tempo Sync, the Global tempo value will be saved with the Preset.
- **Trails:**
 - **When set to On:** Allows echo repeats and/or the decay of Delay and Reverb FX to continue when the Model is toggled Off.
 - **When set to Off:** Silences any FX echo repeats/decay instantly when a Model is toggled Off.

CONFIGURING FOOTSWITCHES & CONTROLLERS

In this chapter we'll cover the Controllers View Panel, where you can create and customize assignments for Pedal & Variax knob Controllers and Footswitches for your POD® HD500X Presets. Additionally, you can use the MIDI Assign functions to independently allow your device's Pedals or Footswitches to transmit MIDI control messages, turning your POD HD500X into a handy MIDI Controller device for your other MIDI gear!

The Controllers & Footswitches Options



The Controllers and Pedal Assignment options

These options allow you to configure “On/Off” Footswitch and/or Pedal and Variax Knob Controller assignments for any of the current Preset’s Amp or FX Model parameters. These options are the equivalent of those found in your device’s **Controller Assign** screen. The **Footswitches** pane provides a handy at-a-glance reference for the existing footswitch assignments for FS1 - FS8, as well as the On/Off state of each. You can also click on the FS buttons in the pane to remotely toggle FS1 - FS8. To follow are instructions on how to use these options.

To Assign an FX or Amp Model to a Footswitch

Start by loading a saved Preset, or customize one to add your desired Amp & FX Models. For this example, we'll assign our tone's Dynamics-Boost Comp FX Model to FS1 so that it can be toggled On/Off via this footswitch.

Note: POD HD500X footswitches **FS5** through **FS8** can be configured to either “Pedalboard Mode” (where they can be assigned to toggle Models On/Off) or “Presets Mode” (where they recall the current Bank’s **A**, **B**, **C** or **D** Presets). This is configured within your device’s **Setup:Utilities** screen.

In the **Controllers** pane, initially you'll see all the fields appear blank. This is the normal default state until you select a Model to configure assignments for it.



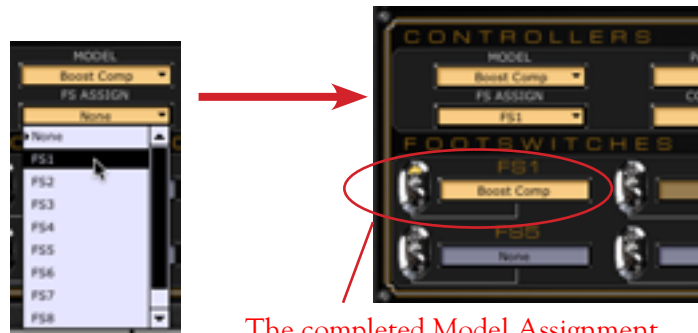
The Controllers pane - initial “blank” default state

Click on the **Models** menu. Here you'll see each of the Amp & FX Models that are loaded within your current Tone. We'll select the **Boost Comp** Model for our example.



The Controllers - Model menu, selecting the Boost Comp

Once a Model is selected, the next step is to click on the **FS Assign** menu. Here you can select the footswitch to which you want to assign the Model. Choose from among **FS1 - FS8, Toe Switch**, or **None**. (You can choose None for any Model that is currently assigned to *remove* its FS assignment.) We'll choose **FS1** to toggle the Boost Comp with this footswitch...



The completed Model Assignment appears in the respective FS slot

Assigning the Boost Comp Model to FS1

This completes the FS assignment. Click directly on the **FS1** switch in the Footswitches pane, or stomp on **FS1** on your device to give it a try. Repeat the above steps to assign other Amp or FX Model to other Footswitches as desired.

Optionally, 2 or more Models can be assigned to the same, single footswitch. This can be a clever way to toggle between two different FX Models. For example, say you have two different Distortion Models loaded in the same Preset, and you'd only like to use one at a time, but want to toggle between them to utilize their different sounds for different parts of your song performance...

- To create this configuration, go into the **FX Edit Panel** screen and toggle one Distortion Model "On" and the Other "Off" to start. Then repeat the above steps, selecting each Distortion Model and assigning each Model to the *same* Footswitch. When two or more Models are assigned to the same footswitch, this FS is labeled as "Multi" to indicate this multiple assignment:



A Footswitch with a multiple Models assigned

- Now when you stomp on this footswitch, you'll see (and hear) one Distortion Model toggle Off, while the other simultaneously toggles On! This type of switch assignment is exactly what we've done for any Factory Preset where you see both a Wah and Volume Pedal FX, where we assigned both FX Models to the Toe Switch to allow you to toggle between using either Wah **or** Volume via the Pedal's Toe Switch.

Note each Model can only be assigned to one Footswitch maximum. That is, if you select a Model that is currently assigned to a footswitch and select a different footswitch from the **FS** menu, the assignment for the Model is removed from the previous FS and established on the new, selected FS.

Be sure to save your Preset once your footswitch assignments are complete to retain your settings with the Preset!

To Assign an FX or Amp Parameter to a Pedal or Variax Knob Controller

You can choose from among hundreds of Amp & FX Model parameters to be assigned to the POD HD500X **EXP 1** or **EXP 2** Pedals, or to a Line 6 Variax instrument's Volume or Tone knobs!* Start by loading or customizing a Preset to include an Amp or FX Model which includes a parameter you'd like to control with an EXP Pedal.

*Note: The POD HD500X on-board Pedal can be switched between controlling **EXP 1** or **EXP 2**. Or, if you connect an Expression Pedal to the **PEDAL 2** jack, the on-board pedal becomes dedicated to **EXP 1** and Pedal 2 to **EXP 2**. See the [POD HD500X Advanced Guide](#) for more info on using Pedals.

- First, select the desired Model for which you'd like to control a parameter. Clicking on the Controllers pane - **Model** menu shows the list of all loaded Models for the current Preset. For this example, we'll configure the **Delay-Tube Echo** FX Model's **Mix** parameter to be controlled by **EXP 1**.



Selecting the Tube Echo in the Model Menu

- Once a Model is selected, the next step is to click on the **Parameter** menu. Here you can select any listed parameter for this Model - we'll choose **Mix**.



Selecting the Tube Echo's Mix parameter

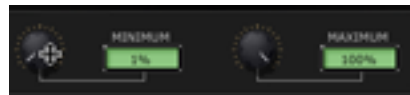
- Now, in the Controller menu, choose the **EXP 1** or **EXP 2** for the desired Pedal Controller, or one of the **Variax** knob options.* If you've selected a parameter in the previous step that was already assigned to a controller, you can choose **Off** to remove the existing assignment.

*TIP: If you are using a James Tyler Variax, choose one of the a Variax "locked" knob options within the Mixer - Variax - Local Control section if you prefer that the knob then no longer also controls the guitar's local Volume or Tone for its Modeled output - see ["Variax Controls" on page 4•2](#).



Choosing the EXP 1 Pedal Controller

- Finally, if you'd like to set the **Min** ("heel") and/or **Max** ("toe") values for the Pedal or Knob range for this parameter, adjust the knobs here.



Adjusting the Min/Max Pedal or Knob range

- This completes the Controller assignment. The Controllers pane will now display your settings. Note that the Controller assignment is specific to the Amp or FX Block's Model for which you created it. If you change the Block to a different Model, the assignment is discarded.



The Controller pane showing our completed Pedal assignment

- Repeat the above steps to assign another Model's Parameter to another Controller, if desired. It is also possible to assign multiple parameters to one, common Controller, with the result being that all parameters are controlled simultaneously with the one Pedal or Variax Knob. There are no rules here, so get as wild as you like with remote control!

Note: When you add a Wah FX Model to your tone, the "Position" parameter for the Wah is automatically assigned to **EXP 1**. Likewise, when adding a Volume or Pan FX Model, its Position parameter is automatically assigned to **EXP 2**. This will result in multiple items assigned to these EXP Pedals if you already have existing Pedal Controller assignments. For all Factory Presets that already include a Wah, Volume or Pan, these are typically already assigned as well.

Be sure to save your Preset once your Assignments are complete to retain the settings with the Preset.

The MIDI Assign Options



The MIDI Assign options pane

These options are the equivalent of those found in the **MIDI Assign** screen of your POD HD500X device - changes made via the hardware or software are reflected in both. You can configure any of the device's footswitches or Pedals to transmit MIDI Control messages to its MIDI OUT port. This allows you to utilize POD HD500X as a MIDI Controller Device for any connected MIDI hardware or software that responds to these message types (MIDI CC, Bank or Program Change or Note On). All options here are saved per Preset. Note that these MIDI assignments are completely independent of any assignments made in the upper **Controllers** and **Footswitches** panes.

Creating & Editing a MIDI Assignment

To create a MIDI Assignment for any footswitch or Pedal (or to edit an existing assignment), first use the **Footswitch** knob to choose the desired switch or Pedal - you'll then be able to access its available options. Once the desired switch/Pedal is selected, you'll see the device's MIDI Assign LCD screen display and operate in sync when accessing any other parameters. To follow are descriptions on the MIDI Assignment options, and some tips on how to use them.

Note: Details about POD HD500X MIDI Control functionality and MIDI message types can be found in the [POD HD500X Advanced Guide](#).

- **Footswitch:** Select the desired footswitch or Pedal for which you want to create an assignment, or to view or edit an existing assignment. Choose from **FS1** through **FS8**, **LOOPER**, **TAP**, **EXP TOE** (the "Toe Switch" of your on-board Pedal) footswitches, or **EXP1** or **EXP2** Pedals.
- **MIDI Channel:** Next, choose the MIDI Channel on which the selected footswitch/Pedal control will transmit its MIDI command.
 - **None:** Sends no MIDI data. (Note that you won't see other options in this panel become editable until you select an option other than "None.")
 - **Base:** Sets a the control to follow the current "global" MIDI Channel, as set in the device **Setup - MIDI/Tempo** screen. This is a handy feature to have any Presets' MIDI Controls set to "Base" to dynamically follow the common Setup -MIDI Channel value.
 - **01 - 16:** Choose the MIDI Channel on which to transmit the selected control's messages.

Note: The L6 LINK Control communication also utilizes the device's same MIDI Channels, therefore, you'll want to set these MIDI Assign options and L6 LINK Control options to **different** MIDI Channels if you are to be using both! Also see "[L6 LINK Audio & Control Options](#)" on page 4•3.



- **Message:** Once you've selected the desired MIDI Channel, use this knob to choose the type of MIDI message sent by the selected control. Note that you'll see different Message types available depending on the "Footswitch" control you have selected:
 - **FS1 - FS8, LOOPER, TAP** and **EXP TOE** footswitches can each be assigned to send MIDI CC, CC Toggle, Program Change (fixed), Bank Change (fixed) or Note On messages.
 - The **EXP1** and **EXP2** pedal controls can be assigned to each send one MIDI CC with a definable Value Range, which allows you to sweep a variable parameter on your target device.
- **CC #, Bank and Program:** These knobs select further options, depending on the Message Type selected with the previous knob.
 - **CC #:** When the Message Type is "CC" or "CC Toggle," this allows the choice of any MIDI CC number from 000 to 127. If editing **EXP1** or **EXP2** controls, this knob sets the Minimum CC value for the pedal. (Also see the following Value knob description.)
 - **Bank:** When the Message Type is "Bank Change," this allows the choice of fixed Bank Value of 000 to 127. (Note that whenever a Bank Change is sent, a Program Change value #001 is additionally sent to allow the receiving device to typically recall the first patch within the selected Bank.)
 - **Program:** When the Message Type is "Program Change," this allows the choice of a fixed Program Value of 000 to 127.
 - **Note:** When the Message Type is "Note On," this allows the choice of the specific musical note value (C0 to G9)
- **Value and Velocity:** These knobs select further options, depending on the Message Type settings.
 - **Value (CC):** When the Message Type is "CC," this sets the value for the CC that is sent on every press of the switch control (000 - 127). When editing the **EXP1** or **EXP2** controls, this sets the Maximum Value for the Pedal.
 - **Value (CC Toggle):** When the Message Type is "CC Toggle," you can select 000 or 127 to choose an "On" or "Off." The control sends alternating messages per click.
 - **Velocity:** Sets the Velocity value for the Note message (000 - 127).
 - Note that no option is available if the Message Type is "Program Change" or "Bank Change."
- **Min and Max:** When either **EXP1** or **EXP2** is the current control selected in the Footswitch field, these two knobs become available. Use the Min. to configure the minimum (heel position) value of the Pedal, and the Max. to configure the maximum (toe position) value. Typically, you'll want to set Min. to 000 and Max. to 127 to access the full range of the parameter you are controlling.

Be sure to save your Preset once your MIDI Assignments are complete to retain the settings with the Preset.

SET LISTS AND PRESETS

The Set Lists View is the place where you can access all your POD® HD500X Set Lists, and all Presets within them. In this chapter, we'll cover all the possibilities for managing your Set Lists & Presets using both the Set Lists View as well as the main Presets Panel.



The Set Lists View

It is important to note that none of the changes to the Preset Panel & Set Lists contents are committed to the internal memory of your device until you “Send” your Preset(s) to the device, which you perform using the Save Controls (see [page 2•1](#)). Or, you can use the File menu’s Save As commands to save copies of any Preset, Set List or complete Bundle to your computer. It is a good idea to perform a save of all Presets to create a full backup Bundle on your computer before editing and/or reordering Presets - see [“Saving and Opening POD HD500X Preset Files” on page 1•4](#).

Main Presets Panel

Although not part of the Set Lists View, the Presets Panel within the main GUI offers many features for managing Presets, and it is helpful for you to take a look at this panel first. Start by selecting any View other than the Set Lists View to allow the main Presets Panel to be accessed. The main Presets Panel always displays the Set List currently loaded in POD HD500X, and the selector at the top allows you to choose any of the 8 Set Lists from your device’s internal memory. You can select any of the current Set List’s 64 Preset locations (01A - 16D) to load its Preset, or perform other actions.



The edited, currently loaded and selected Preset states are also indicated the same way within Set Lists View. See the next section for actions that are possible within the main Presets Panel, as well as within the Set Lists View panels.

Set Lists View Panels

When you want to do more than just manage the current Tones in the main Presets Panel, click on the Set Lists button to display the full Set Lists View. The main Presets Panel at the left will become disabled when the Set Lists View is displayed. Just as with the main Presets Panel, each Set List panel within the Set Lists View provides access to each of its 64 Preset locations. To follow are the actions possible within any Set List (as well as within the main Presets Panel when it is active).

- **Load a Preset:** Double-click on any Preset to load its settings into the editor, or hit “Enter” on your computer keyboard to load the currently selected Preset. If you select a Preset within a different Set List Panel than the currently loaded one, this loads the new Set List as well.
- **Select a Preset:** Click once on any Preset to “select” it. Note that this does not load the Preset, but rather allows you to perform actions on the Preset - such as to “Send” or “Receive” Presets (see the Save Controls on [page 2•1](#)).
- **Multi-Select Presets:** It is also possible to select multiple Presets within the *same* panel:
 - Press and hold your Shift key+click to select a contiguous number of Presets.
 - Press and hold your Cmd key+click (Mac®) or Ctrl key+click (Windows®) on the desired Presets to select a non-contiguous number of Presets.



Contiguous selection of multiple Presets Non-contiguous selection of multiple Presets

- It is not possible to drag multiple selected Presets within the same Set List Panel. But you can drag multiple-selected Presets into a different Set List Panel to copy them into the same



respective Channel locations within the destination Set List.

- **“Insert” a Preset into a different Channel location:** Click on a Preset and drag it up or down within the same Set List Panel. Drop the Preset onto the desired Channel location to move the Preset there.
- Drag and drop a Preset from one Set List Panel into any channel location within a different Set List Panel and the Preset will be *copied* into the new location.
- **“Swap” the Preset settings between two Channel locations:** Click on a Preset to select it, then hold your Shift key and click and drag the Preset to the new desired Channel location - either within the same Set List Panel, or into a different Set List Panel.
- **Copy & Paste a Preset to a new Channel location:** Click on a Preset to select it. Then hold your Option key (on Mac®) or Ctrl key (on Windows®) and click and drag the Preset to the new desired Channel location. This replaces the Preset in the destination location. (Note that it is not necessary to hold any modifier key when dragging a Preset between two different Set List Panels to copy into the new location.)
- **Save a Preset to your computer:** There are a few ways to save a copy of the currently loaded Preset to your computer:
 - Use the File menu’s “Save As” commands (see [page 1•4](#) for more about saving and opening Preset, Bundle & Set List files).
 - Drag a Preset (or multiple selected Presets) from any Set Lists Panel (or from the main Presets Panel, when active) directly onto your Desktop, or into any folder on your computer.
- **To rename a Preset:** Select the desired Preset, wait a second, then click again directly on the Preset name. You’ll see the Preset’s name become highlighted. Type in your own text and hit the Enter key. Be sure to do a Send or Save of the Preset to retain your modified name.



LINE 6 MONKEY & ADDITIONAL RESOURCES

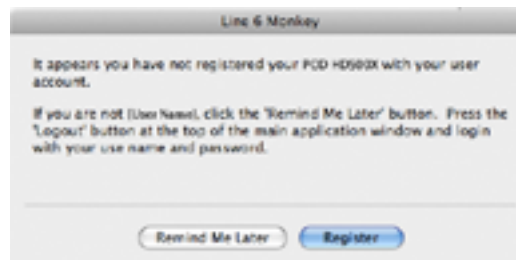
Line 6 Monkey™ is the intelligent updater utility automatically installed with the POD® HD500X Edit application, or available from line6.com/monkey. It is highly recommended that you run Line 6 Monkey often to be sure you have all your Line 6 products updated and registered.

Using Line 6 Monkey

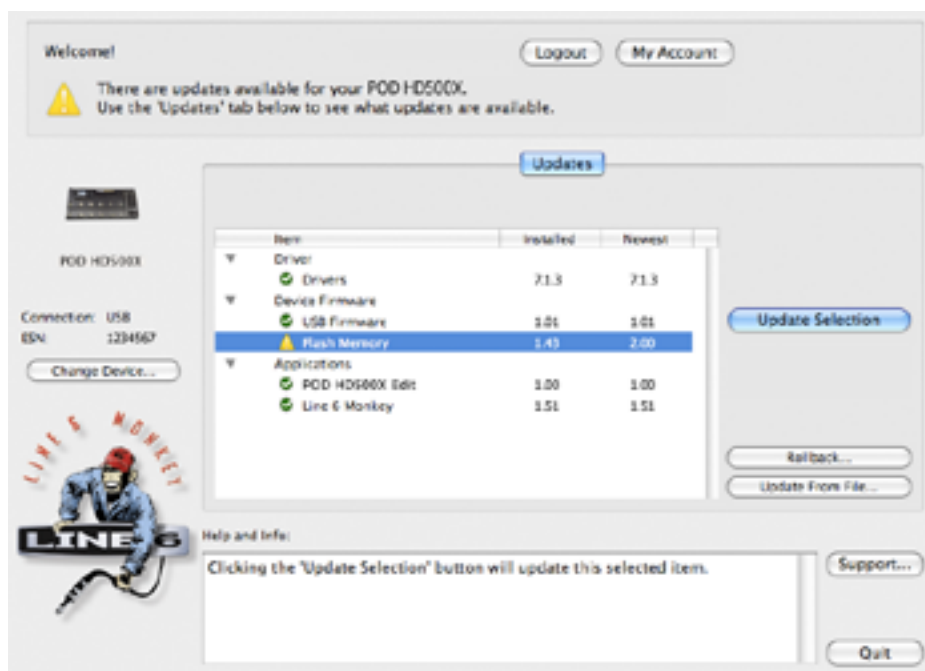
With POD HD500X connected & powered on (see [“Computer Connectivity” on page 1•2](#)), quit all other Line 6 and audio applications and launch Line 6 Monkey:

- On Mac®, go to Applications > Line 6 > Line 6 Monkey
- On Windows®, go to the Start button menu > Programs > Line 6 > Tools > Line 6 Monkey

If Monkey prompts you to register your POD HD500X, then please do so now - it may be required to register to obtain some product updates. Follow the prompts through the quick online registration. Return to Line 6 Monkey once you've completed the registration.



Monkey will then display your POD HD500X Driver and Device Firmware versions, available Applications and any available updates.



The Line 6 Monkey Updates screen, with POD HD500X connected



As an example, in the above screenshot Monkey has detected that a newer Firmware - Flash Memory version is available. In this scenario you can select the Flash Memory item and click **Update Selection**. Be sure to read the prompts carefully and Monkey will assist you in performing the update in minutes. It is especially important not to disturb the devices' controls and cable connections until the update fully completes!

Variac Users: If you are using a Line 6 Variac instrument then it is highly recommended to install any available updates for it as well. To update a Variac instrument, connect it into the **VARIAX** (VDI) input on the back of POD HD500X. Connect POD HD Pro to your computer's USB port, launch Line 6 Monkey, and choose the Variac when prompted by Monkey as the device to which you want to connect. Use Line 6 Monkey as described above.

Additional Resources

Hungry for more info? We've got plenty of helpful online resources, just a click away.

- Additional Help documentation covering POD HD500X hardware, DT50 amplifiers and related products is available from the Line 6 Support site: [Line 6 Product Manuals](#)
- Visit the CustomTone™ site where you can share your POD HD500X Tones with the world, and download free Tones created by Line 6 and other users just like you: [CustomTone](#)
- Can't get enough of that Line 6 Gear & accessories? Head on over to the [Line 6 Online Store!](#)
- Check out the Support page for access to helpful tips, videos, discussion forums, or to contact Line 6 Technical Support: [Line 6 Support](#)

