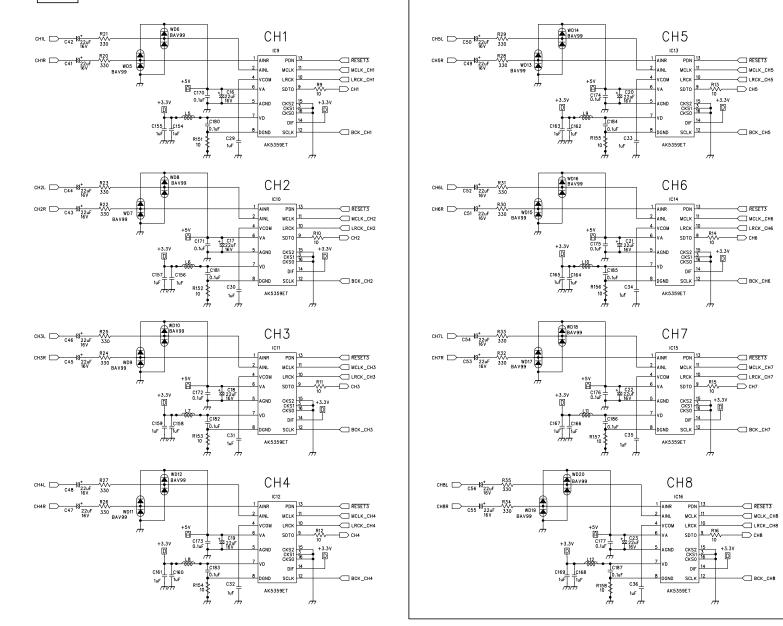
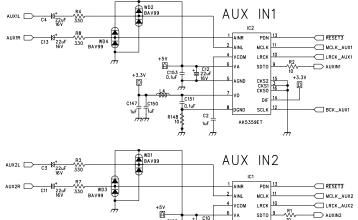
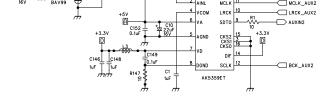


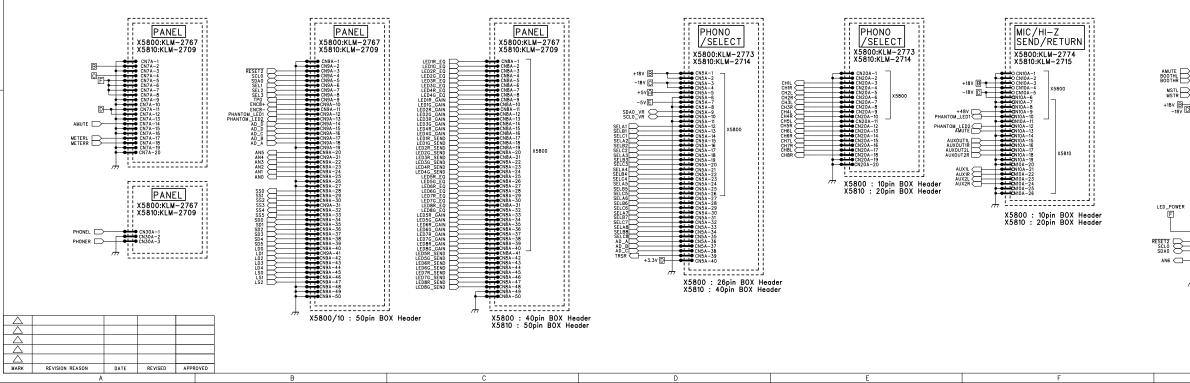
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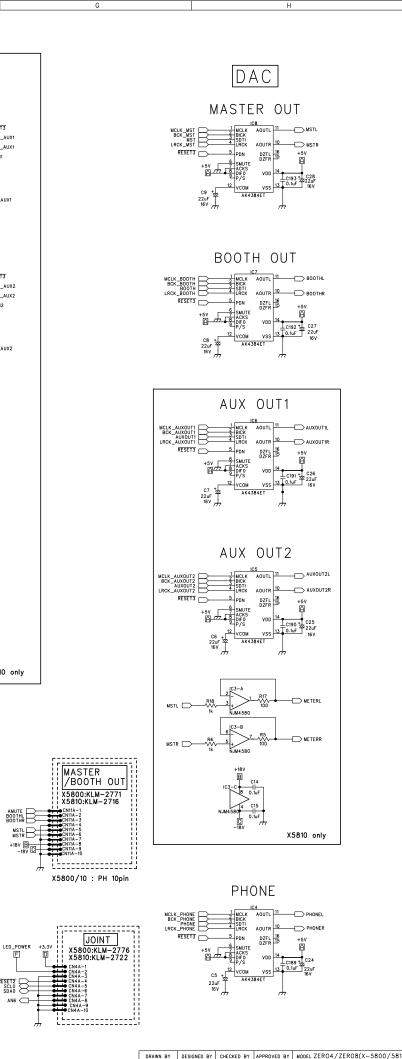




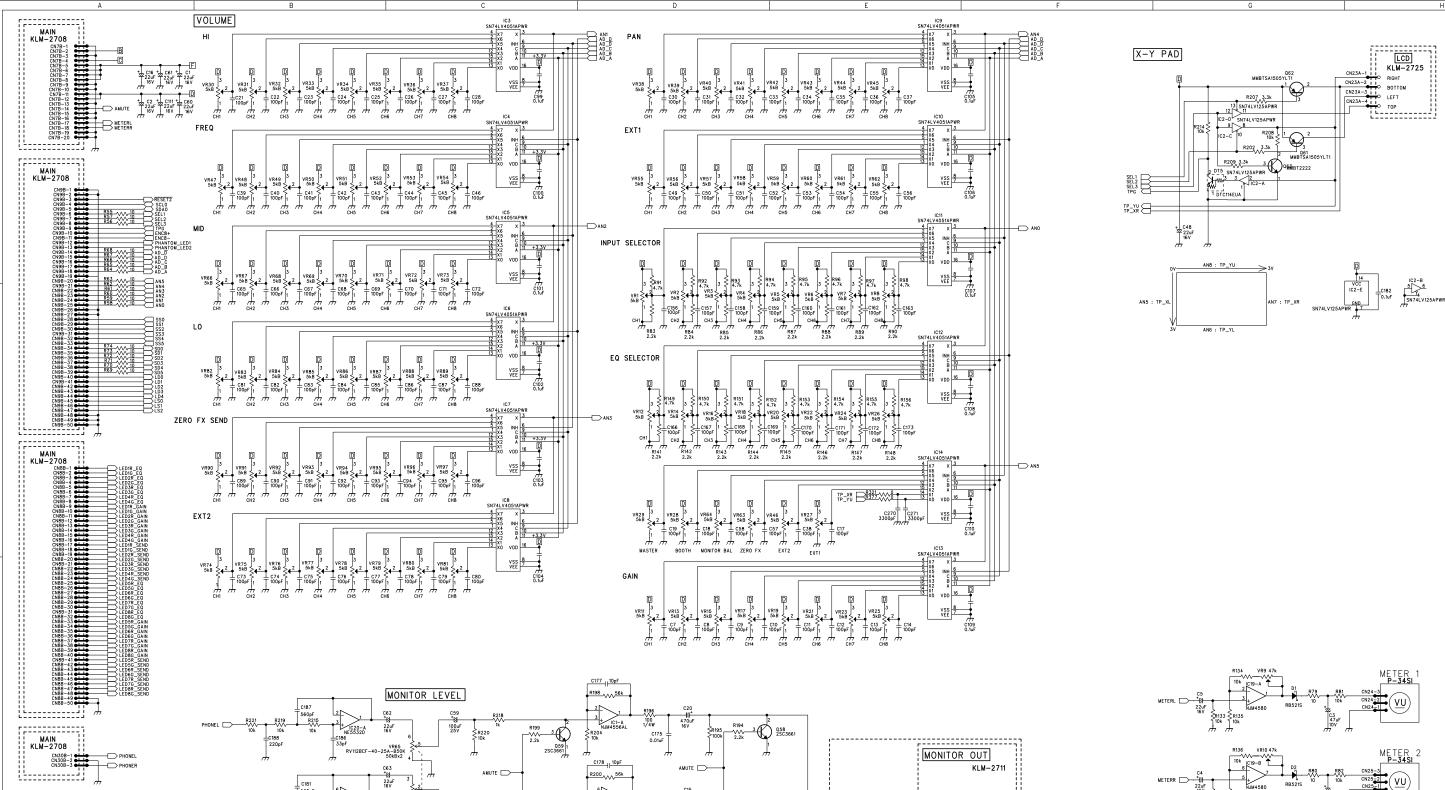


X5810 only





DRAWN BY	DESIGNED BY	CHECKED BY	APPROVED BY		08(X-5800/5810)
Miwako Sekimori	Miwako Sekimori	Shigeru Ueda	S.Yoshino	KLM-270 CIRCUIT	8B DIAGRAM 2/2
KO	RG	DRAWING NO.	KOD-A3	0678	'07. 2.22
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C15 27 470uF 16V

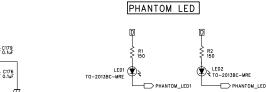
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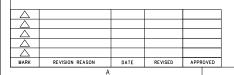
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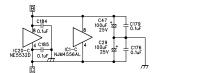
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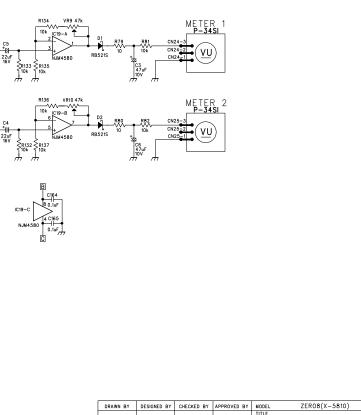
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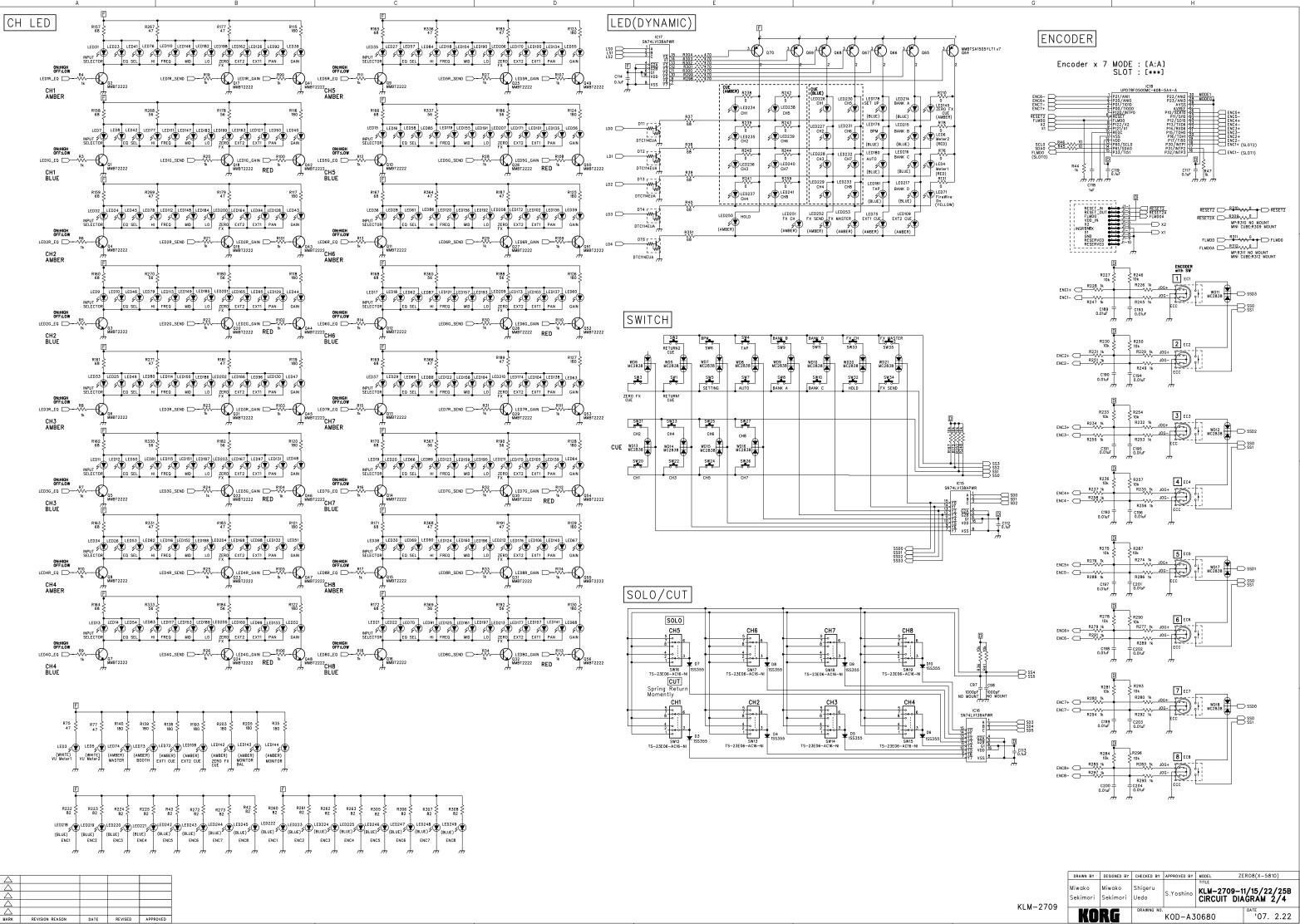
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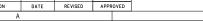
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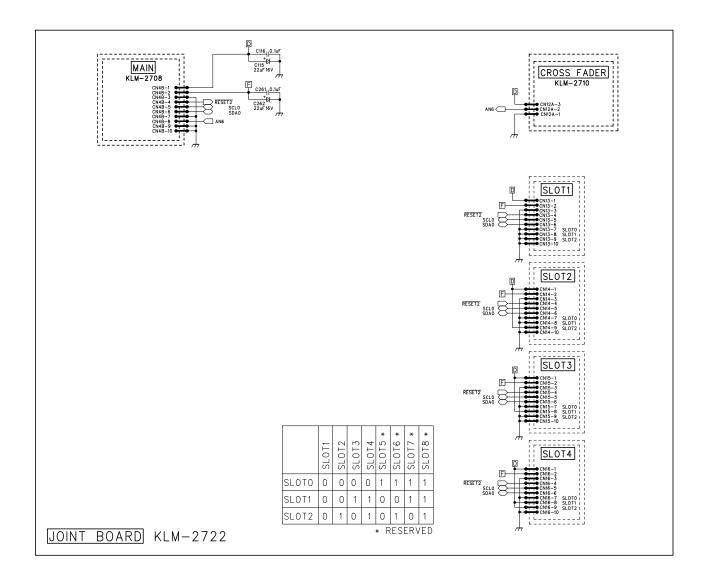


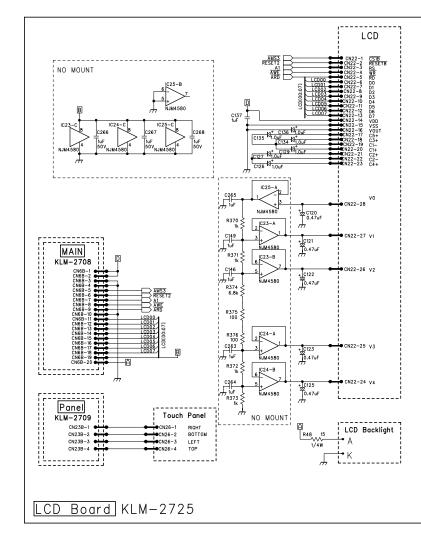


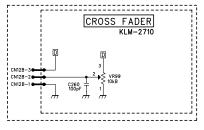
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KI N. 0700	Miwako Sekimori	Miwako Sekimori	Shigeru Ueda	S.Yoshino	KLM-2709-1 CIRCUIT DIA	1/15/22/25B GRAM 1/4
KLM-2709	KO	RG	DRAWING NO.	KOD-A3	0679	^{DATE} '07. 2.22
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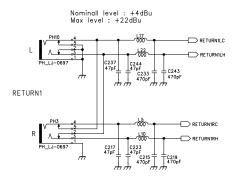


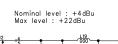


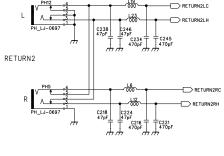
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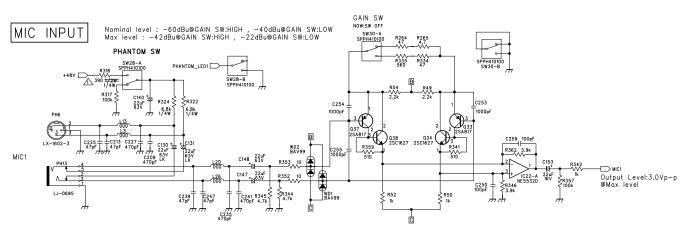
DRAWN BY DESIG Miwako Miwa Sekimori Seki	 APPROVED BY S.Yoshino	TITLE	1/15/22/25B
KORC	KOD-A3		DATE '07. 2.22

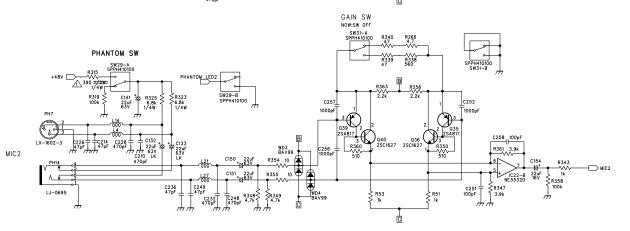
EXT RETURN



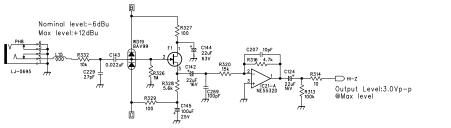


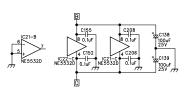


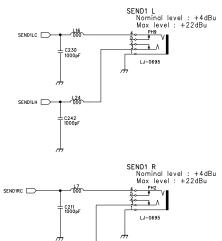










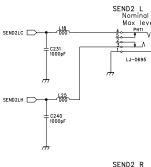


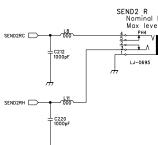
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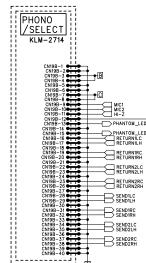
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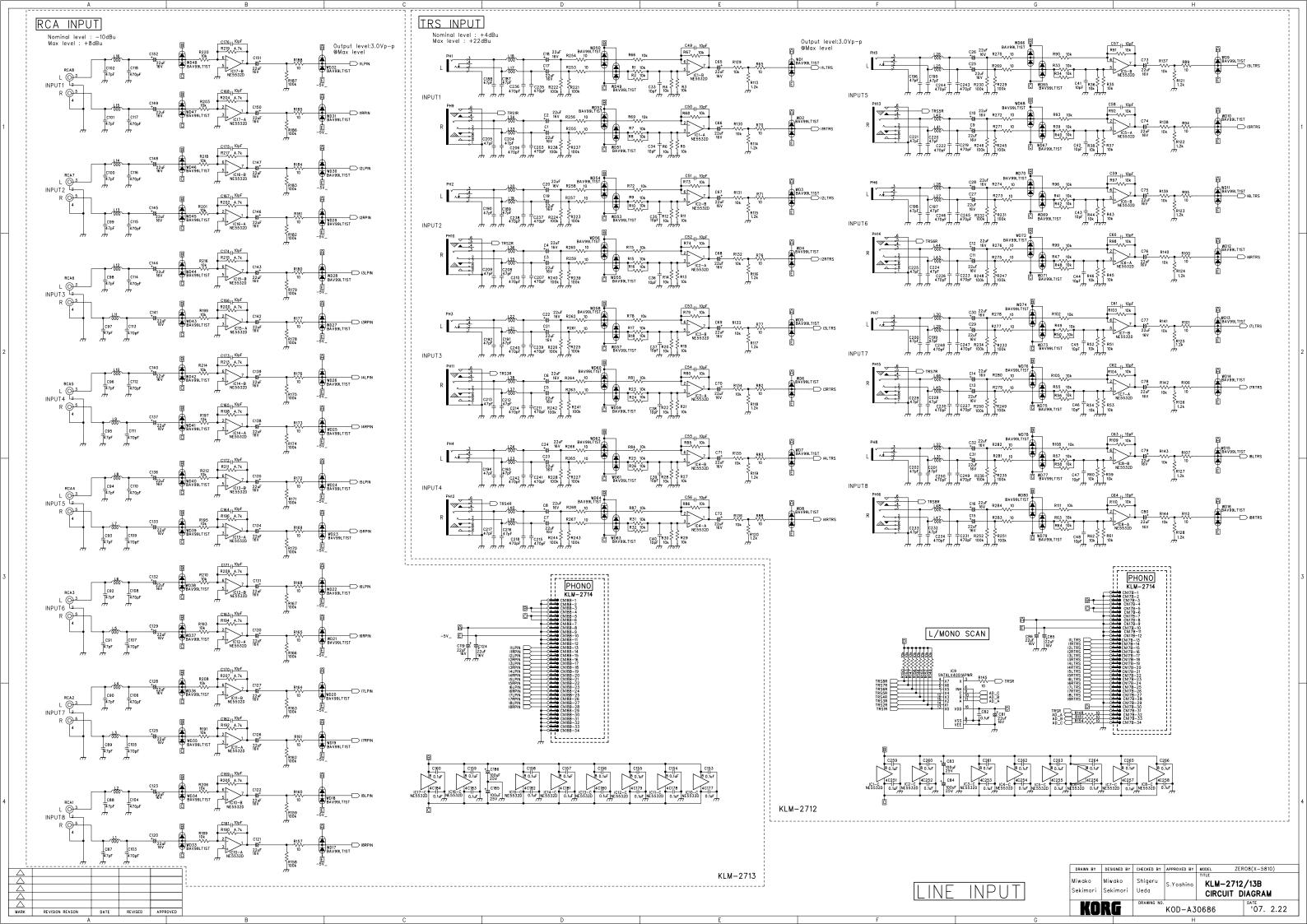


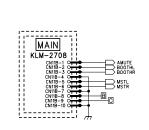
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I level : +4dBu ∕el : +22dBu V				
l laud a 14 dDu				
I level : +4dBu vel : +22dBu V				
∣level : +4dBu rei : +22dBu V				
D1 +48V D2				
	DRAWN BY DESIGNED BY	CHECKED BY APPROV	YED BY WODEL	ZER08(X-5810)
KLM-2715	Miwako Sekimori KORG	Shigeru Ueda S.Yos DRAWING NO. KOD	shino KLM-2709- CIRCUIT D -A30682 H	-11/15/22/25B IAGRAM 4/4 DATE '07. 2.22

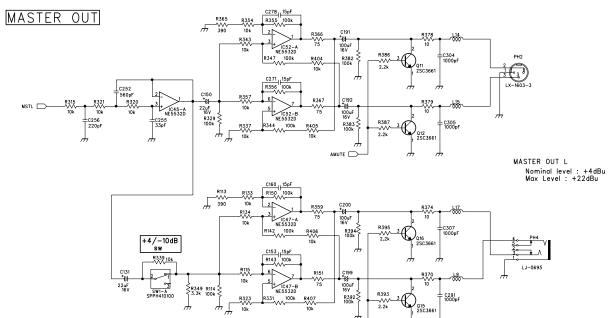
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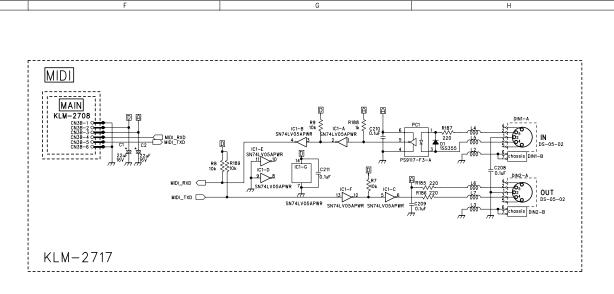




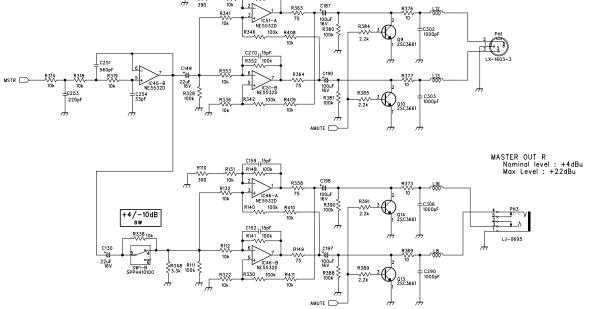
REVISION REASON

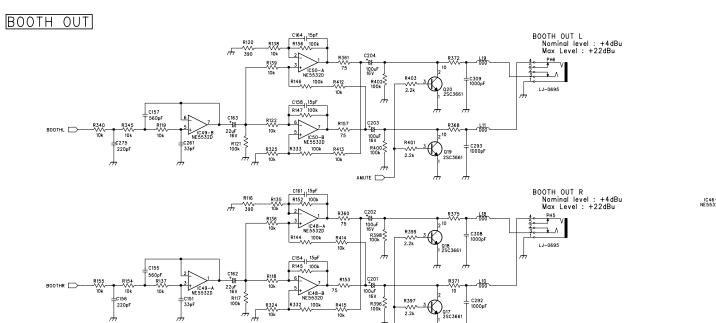
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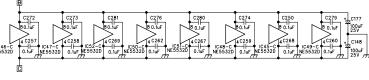




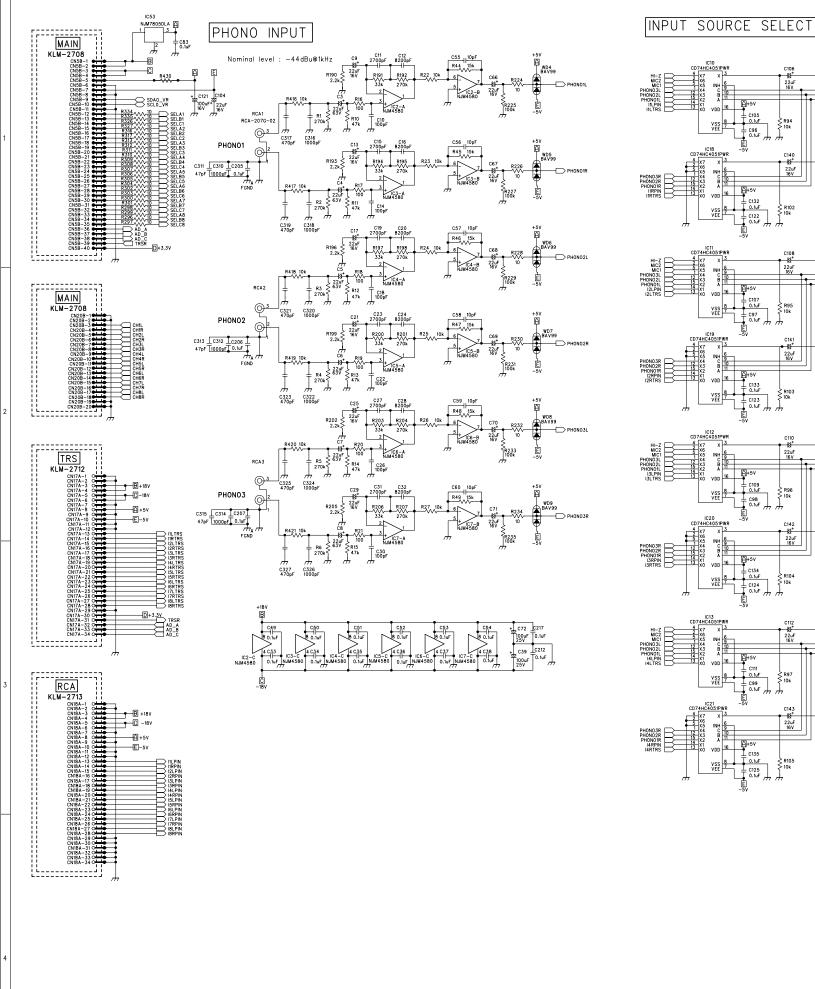
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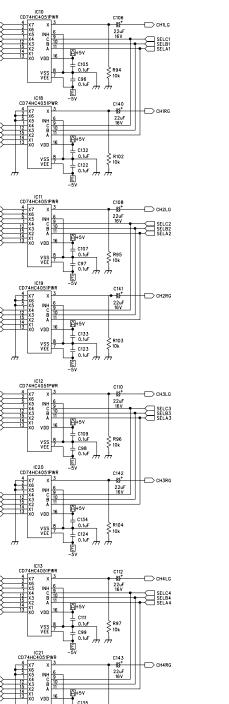




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KLM-2716	Miwako Sekimori	Miwako Sekimori	Shigeru Ueda	S.Yoshino	KLM-2714/16/17B CIRCUIT DIAGRAM 1/3	
	KO	RG	DRAWING NO.	KOD-A3	0683	^{DATE} '07. 2.22
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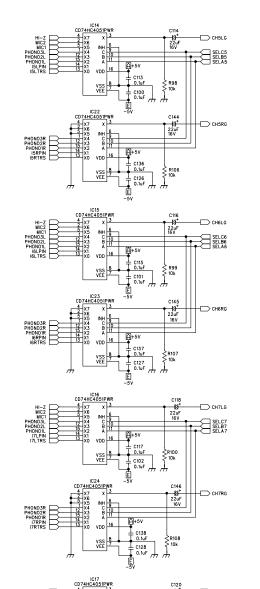


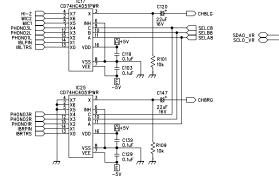
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R105





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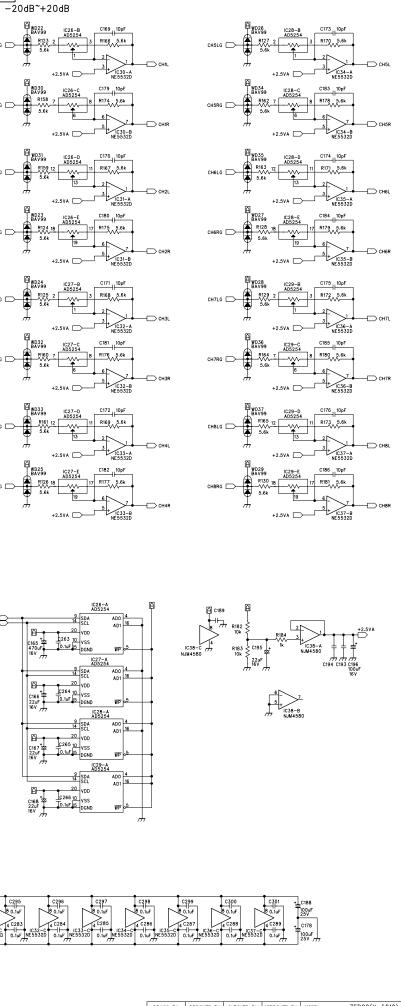
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WD3

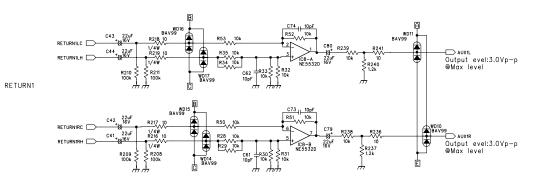
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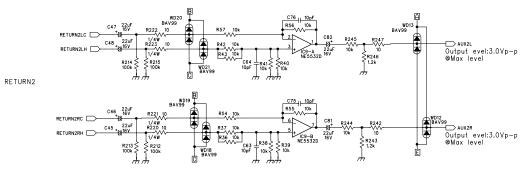


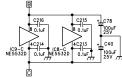


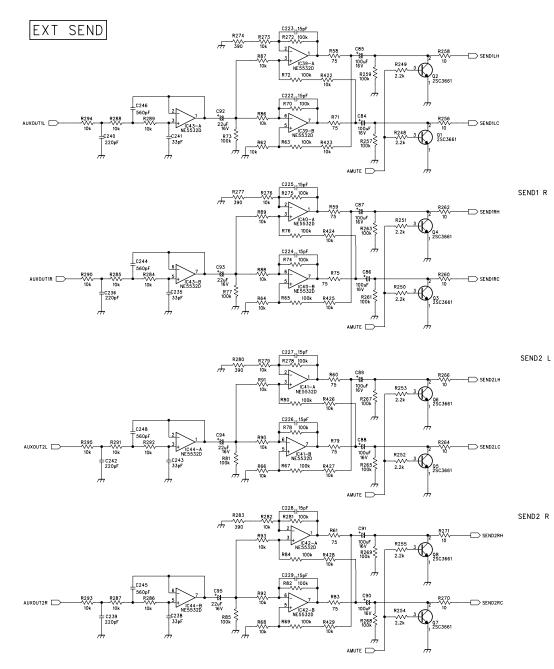
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_M-2714	Miwako Sekimori	Miwako Sekimori	Shigeru Ueda	S.Yoshino	KLM-2714/16/17B CIRCUIT DIAGRAM 2/3	
	KO	RG	DRAWING NO.	KOD-A3	0684	^{DATE} '07. 2.22
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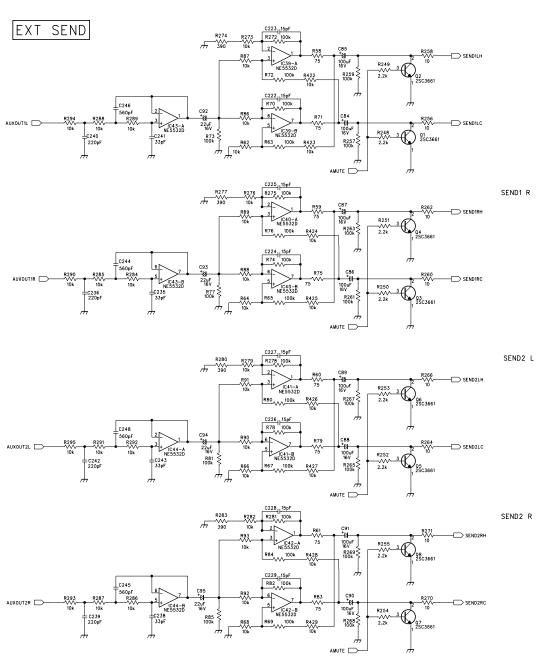
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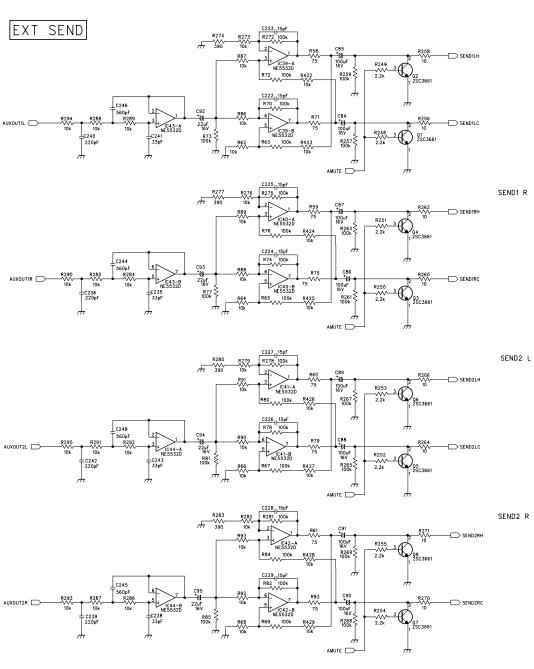


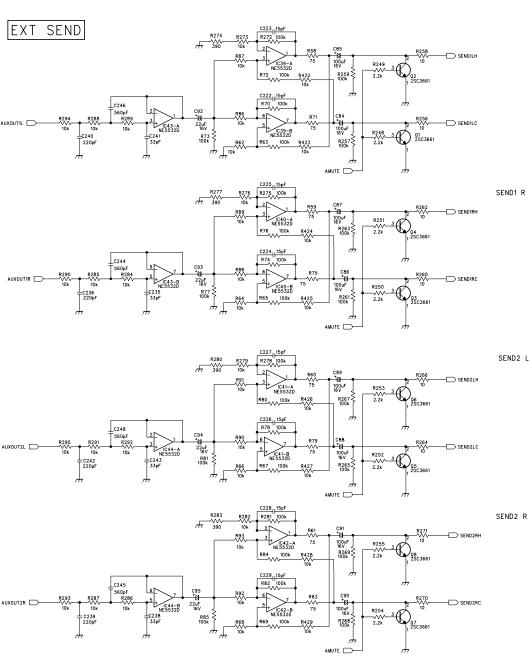


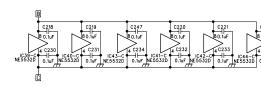


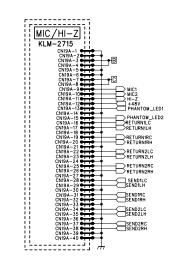


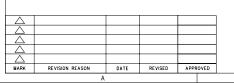


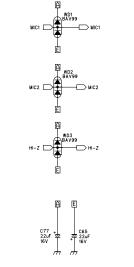




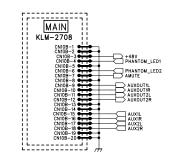


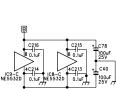






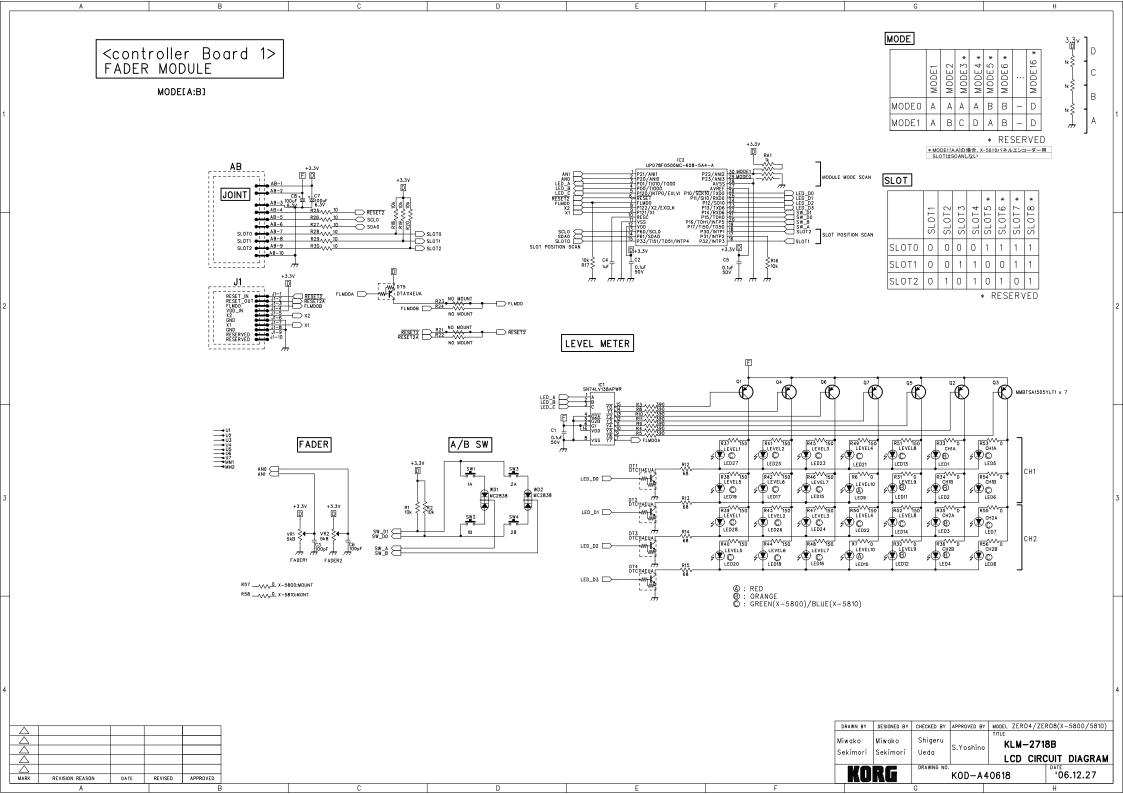
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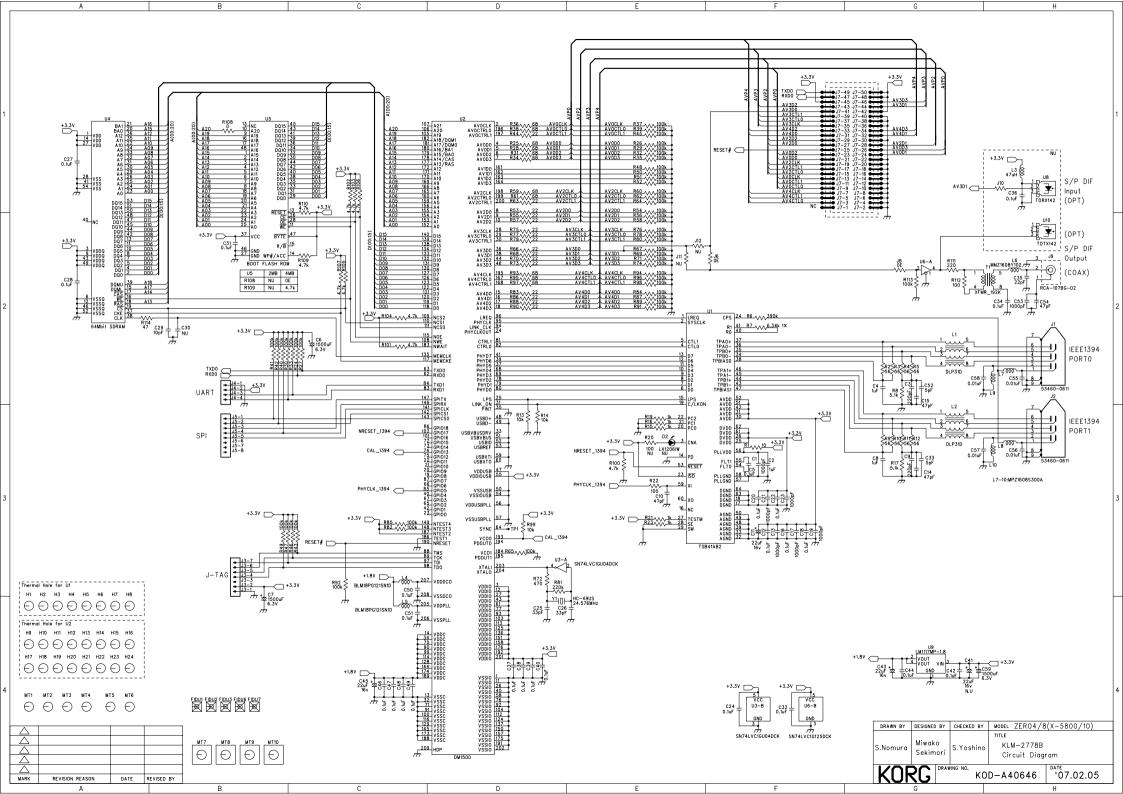




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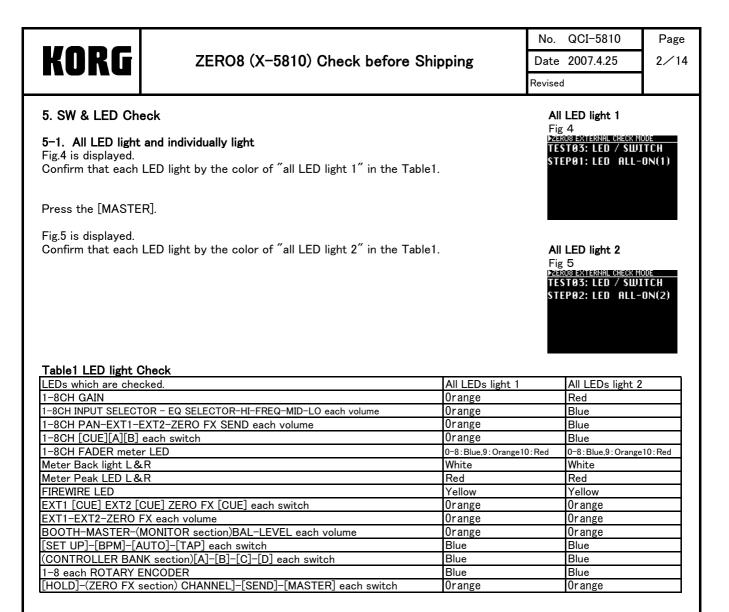
DRAWN BY	DESIGNED BY	CHECKED BY	APPROVED BY	MODEL	(X-5810)
Miwako Sekimori	Miwako Sekimori	Shigeru Veda	S.Yoshino		4/16/17B DIAGRAM 3/3
KO	RG	DRAWING NO.	KOD-A3	^{DATE} '07. 2.22	





		No. QCI-5810	Page
KORG	ZERO8 (X-5810) Check before Shipping	Date 2007.6.18	1/1
NUNU		Revised	
•About this check			
After repairing, Please do the n	you need not do all these checks. ecessary checks corresponding to the repairing.		
	e checks of Page1/14-Page5/14, according to this manual.		
These do the o from OUTPUTs			
You can use dif	ferent equipments from this manual for these checks.		
			Korg inc.

			•	
NODE			No. QCI-5810	Page
KORG	ZERO8 (X−5810) Check bet	fore Shipping	Date 2007.4.25	1⁄14
			Revised	
• TRS TRS s • Head	cable × 1 standard (unbalance)TRS standard (unbalance) c tandard (unbalance)RCA Pin cable x2 phones (both Standard plug and mini-plug) p analyzer or oscillator	able x2		
1. Start of the (Check			
Appearance Chec (Translation omitte			Connection •AC cord	
Connection			•MIDI cable(IN-OUT	LOOP)
Connect the AC c Connect MIDI IN a	ord. nd MIDI OUT as a loop.	right phot		Old control Old control Control
	ERO8 is factory setting (see end of this manua D] of ZERO FX section and the [HOLD],	al).	A METERIA A MEMORAN ANTICIDANA ANTI ANTI ANTI ANTI ANTI ANTI ANTI ANTI ANTI ANTI ANTI ANTI ANTI ANTI ANTI	
SDRAM Check SDRAM Check Check of SDRA When an error the check stop: When the check FlashROM Check Manufacturer II When an error o	nal check starts in the test mode.(Fig1) M Address bus or data bus) occurred, s and the segments (see right) are blinking < has passed normally, the check proceeds to t	ee right) are blinking		
	s k ccurred, the check stops and the segments (se has passed normally, the system version is dis			
the system versio Confirm that the s	of the system version n is displayed. ystem version is 1.04 or after. it is the newest version when some version-up	o has been done.	Fig 1 Display of v Deteros Extremented to the of the TEST01: SPEC. SYSTEM → 1.04	
Press the [MASTE	R] to proceed to the next.			
4. JACK SW Che Fig.2 is displayed in				Chaole
			Fig 2 JACK SW <u>2243003 HATHARINE OFFICERT</u> TEST02:JACK SW. JACK IN 'LINE 1C JACK SW.1: ON	100E (H-R'
to the CH2 LINE	y changes like following. 3 CH-R'		Fig 3 Until CH8, t 24408 #XH48011 UH2011 TEST02:JACK SW.	
	e as above, repeat to pull out the cable and co , CH5-R, CH6-R, CH7-R, CH8-R	nnect it regarding following	JACK IN 'LINE 8C JACK SW.8: ON	
	when the cable is connected to the CH8-R. assed normally, all LEDs of the ZERO8 are turr from the CH8-R.	ned on.		



After the confirmation, press the [MASTER]

Fig.6 is displayed.

By each group "all LED light 1" and "all LED light 2" mutually light.

•Ch1 GAIN •CH1 INPUT SELECTOR, EQ SELECTOR, HI、FREQ, MID, LO each volume •CH1 PAN, EXT1, EXT2, ZERO FX SEND each volume

Same as above proceed the check , CH2, CH3,,,until CH8 by pressing the [MASTER].

After confirmed CH8 PAN, EXT1, EXT2, ZERO FX SEND each volume, press the [MASTER] the meter LED beside the CH FADER begins to light.

Confirm that the meter LED lit from 0 to 10, and turned off from 10 to 0.

Press the [MASTER].

The meter LED of CH2 begins to light. Same as above, confirm CH3,,,CH8. Press the [MASTER] to proceed to the next. Individually light Fig 6 P2EROS EXTERNAL CHECK MODE TEST03: LED / SWITCH STEP03: LED GROUP

			No. QCI-5810	Page			
KORG ZERO8 (X-581)	0) Check before	Shipping	Date 2007.4.25	3/14			
nond			Revised				
5–2. SW Check Fig.7 is displayed in the LCD.			Fig 7 SW Check	01:1:			
Operate the switches like Table 2.			TEST03: LED / SW				
			STEP04: Click Ch1[Solo]				
		B:Blue					
Table? SW Check		R:Red					
Table2 SW Check Switches which are checked.	LED which lights.	O:Orang Color	e Notice				
1-8chトtoggle switch "SOLO" → "OFF" → "CUT"	-	-	"CUT" side is momentary.				
1-8ch [CUE] x 2	[CUE]	O→B	Press twice each.				
1-8ch [A][B] each switch×2 EXT1 [CUE]	[A] or [B] [CUE]	0→B	Press[A]twice,Press[B] twice				
EXTI [CUE]	Meter L Peak LED	O R					
EXT1 [CUE]	Meter R Peak LED	R					
EXT1 [CUE]	FireWire LED	0					
EXT2 [CUE]	[CUE]	0					
ZERO FX [CUE]	[CUE]	B					
[SET UP] [BPM]	[SET UP] [BPM]	B B	+				
	[AUTO]	B	<u> </u>				
[TAP]	[TAP]	В					
[A]	[A]	В					
[B]	[B] [C]	В					
[C] [D]	[D]	B B					
1-8ROTARY ENCODER Push Switch	-	-	Press the knob.				
[HOLD]	[HOLD]	0					
[CHANNEL]	[CHANNEL]	0					
[SEND] [MASTER]	[SEND] [MASTER]	0					
 6. LCD Check Confirm that all dots of LCD are lighting white. Press the [MASTER]. Confirm that there is not uneven or lack of a dot. Confirm that there is not a white dot or an alien substance, a scratch inside of the LCD. Press the [MASTER]. As Fig.8 "#" is displayed in the LCD and it repeats to change light and shade. Confirm that this changing is normal. Press the [MASTER] to proceed to the next. Fig.9 After touched the top left. Touch the top left white square of the LCD. (Fig. 9) Touch the top right white square of the LCD. (Fig. 10) Touch the center white square of the LCD. The white square follows to the point which you touch and move. Confirm that that the point you are touching and the white square are same. It follows to your moving finger. Confirm that when you touch the top left and the bottom right, the white square is display. Xeale Yeals OFF When you want to repeat from 1, press the [HOLD]. F. Press the [MASTER] to proceed to the next. Fig. 10 After touched bottom right. Kent to repeat from 1, press the [HOLD]. F. Press the [MASTER] to proceed to the next. Fig. 10 After touched bottom right. Kent to repeat from 1, press the [HOLD]. F. Press the [MASTER] to proceed to the next. Fig. 10 After touched bottom right. Kent to repeat from 1, press the [HOLD]. F. Press the [MASTER] to proceed to the next. F. Press the [MASTER] to proceed to the next. F. Press the [MASTER] to proceed to the next. F. Press the [MASTER] to proceed to the next. F. Press the [MASTER] to proceed to the next. F. Press the [MASTER] to proceed to the next. F. Press the [MASTER] to proceed to the next. F. Press the [MASTER] to proceed to the next. F. Press the [MASTER] to proceed to the next. F. Press the [MASTER] to proceed to the next. F. P							
			Fig.11 Touch and mo	ve Check			
			X=125 Y=131	off Ster]=ok			
				CORG INC			

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push the Encode 2. Rotate the Encod and the characters 3.Press the [MASTE 4. Rotate the Encod and the characters 5.Press the [MASTE	he Encoder 1 knob to the reference position of bottom, r knob and reset the count to "0"(Fig.12) ler 1 to the right for one around and confirm that the display is "30" of the display are reversed. ER]. ler 1 to the left for one around and confirm that the display is "-30" of the display are reversed. ER] to proceed to the next encoder to the check of Encoder 2-8.(Fig.15)	Fig 12 Encoder 1 TEST06:R0TARY E ENC.1 (2) 00 ENC.2 (2) 00 ENC.3 (3) 00 ENC.4 (3) 00 Fig 13 Encoder 1 245005 EXTERNOL OBJOCK	right NC. Right NC. Right NC. Right NC. Left ncoder8

No. QCI-5810 Page KORG 5/14 ZERO8 (X-5810) Check before Shipping Date 2007.4.25 Revised Fig 16 9. A/D (volume) Check (ch.1-8) About the 1-8ch. each volume, do the check as the following order. Confirm that you can move the volumes smoothly. And confirm that the numeral is changes smoothly except the 11 clicks volume. 1.<<INPUT SELECTOR>> (11points clicks are < left > 1-2-3-4-5-6-7-8-9-10-11 < right >.(0) Confirm that the LCD display is Fig.16. Fig 17 DEXTERNAL CHECKDTESTO7: A7 GAIN Ø000 [(HI Ø000 (1) Set the volume to the position of "11".
(2) After "WAIT", ">10" is displayed, then set the volume to the position of "10". [CH1] FREQ 🔷 000 MID 🔗 000 (3) Same as (2) set the volume $6 \rightarrow 2 \rightarrow 1$. (4) After "1", the check proceeds to the next volume. LO **6** 000 2.<<EQ SELECTOR >> (11points clicks) Same as the << INPUT SELECTOR>> do the check. Fig 18 PAN 364 IN 364 IN 10 121 EXT 10 000 $3.\langle\langle GAIN \rangle\rangle \rightarrow 4.\langle\langle HI \rangle\rangle \rightarrow 5.\langle\langle FREQ \rangle\rangle \rightarrow 6.\langle\langle MID \rangle\rangle \rightarrow 7.\langle\langle LO \rangle\rangle$ ICH11 \rightarrow 8.<<PAN>> (VR with center click) (Fig. 17) (1) Rotate the volume to MAX (right end). (2) Rotate the volume to MIN (left end). Z.FX 🧔 000 (3) Set the volume knob to the center position. When the check is passed, the numeral of the LCD is reversed, Fader _____ 000 and the check proceeds to the next volume. $9.<<EXT1> \rightarrow 10.<<EXT2>> \rightarrow 11.<<ZERO FX SEND>>$ Fig 19 CH1 completed EXT 20080 (without center click) (Fig.18) [CH1] (1) Rotate the volume to MAX (right end). (2) Rotate the volume to MIN (left end). When the check is passed, the numeral of the LCD is reversed, Z.FX 📀 000 and the check proceeds to the next volume. Fader **000** 12. <<CH FADER>> (1) Rotate the volume to MAX (right end). (2) Rotate the volume to MIN (left end). When the check is passed, the numeral of the LCD is reversed, and the check proceeds to the next volume(Fig.19). 10. A/D (volume) Check (others) Fig 20 Others EXTERNAL CHECK TEST CATATION EXT 1 0 000 EXT 2 0 000 Z.FX 0 024 1. $\langle\langle EXT1 \rangle \rightarrow 2. \langle\langle EXT2 \rangle\rangle \rightarrow 3. \langle\langle ZERO FX \rangle\rangle \rightarrow 4. \langle\langle BOOTH \rangle\rangle$ \rightarrow 5.((MASTER)) \rightarrow 6.((BAL)) (without center click) (Fig 2 0) (1) Rotate the volume to MAX (right end). (2) Rotate the volume to MIN (left end). Boothø 000 When the check is passed, the numeral of the LCD is reversed, MUOL 🧔 000 and the check proceeds to the next volume. MBAL 🧔 000 *<LEVEL> is not checked here. 7.<< CROSS FADER>> Fig 21 CROSS FADER DEXTERNAL CHECKDTEST07: A/D (1)Move the FADER knob to the right end. Confirm that the display is "127". (2)Move the FADER knob to the left end. Confirm that the display is "000" CrossFader When the check is passed, the numeral of the LCD is reversed.(Fig.21) 000 Press the [MASTER]. Fig 22 After few seconds "fig.22" is displayed in the LCD. EXAMPLE AND A CHECK MODE TEST08:PRE-LOAD Then turn the power off. STEP02:Completed! Pull out the MIDI cable from the MIDI IN and MIDI OUT.

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KORG	ZERO8 (X-5810) Check before Shipping	Date 2007.4.25	6⁄14
nunu	ZEROO (A-3010) Grieck before Shipping		0/14
		Revised	
Normal Mode Chee	sk		
Pressing the	on of D3200. Select the DemoSong ["] I'd Be A Fool ["] . SONG switch of the D3200, and press the "+ "or" -" for several times, A Fool ["] is displayed then release your fingers from the switches.	*For example, this explanation uses the D32 Any sound source is Ok which	1
Set the MASTE	R FADER of the D3200 to $"0"$.	can be connected to the ZER	04.
ZERO8 CH1	RO8 and the D3200 like following. LINE L/MONO — D3200 MASTER OUT L LINE R — D3200 MASTER OUT R		
Check • Confirm that the • Turn the power o	setting of ZERO8 is factory setting. n of the ZERO8.		
Confirm that the T	AP LED is blinking.		
CH1-8 MODUL MONITOR BAL	e following. IASTER VOL–>MAX (right end) E FADER–>MAX (top) –>MAX (right end) SELECTOR–>LINE		
Connect the he	INE(TRS) INPUT. ′ switch of D3200. (Demosong starts.) adphones to ZERO4 MONITOR. _″ to MAX (right end).		
and fragmentary so	lemo song of the D3200, confirm that there is not noise ound. (right bottom side) to MIN (left end).		
Confirm that the se	ound disappeared.		
	adphone plug from the CH1 LINE L/MONO the CH2 LINE L/MONO.		
	adphone plug from the CH1 LINE R the CH2 LINE R.		
	_" to MAX (right end). ne demo song of the D3200, confirm that there is not noise / sound.	*Before CH8 the dem	
Same as above do	the check about CH3-8 using headphones.	of the D3200 finished Pressing the STOP of Press the REW switch	D3200 1.
Pressing the ST Set the LEVEL	P switch of the D3200. Then the demo song stops. TOP of the D3200, press the REW. (the song returns to the top.) to MIN (left end). lles which are connected with D3200.	The song returns to t Then press the PLAY	

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KORG	ZERO8 (X–5810) Check before Shipping	Date 2007.4.25	7∕14
NUNU	ZEROO (X-3010) Check before Shipping	Revised	// 14
		Revised	
•Confirmation of (CD/LINE (RCA) INPUT		
ZERO8 CH1	ERO8 and the D3200 like following. CD/LINE L/MONO – D3200 MASTER OUT L CD/LINE R – D3200 MASTER OUT R		
Set the CH1-8	INPUT SELECTORs to "CD/LINE".		
Press the PLA	Y switch of D3200. (Demo song starts.)		
	eadphones to ZERO8 MONITOR. L to MAX (right end).		
and fragmentary so	demo song of the D3200, confirm that there is not noise ound. confirm regarding CH2-8 CD/LIN INPUTs.		
After confirmat	ion of the CH8,		
Set the″LEVEL Pressing the S	P switch of the D3200. Then the demo song stops. " to MIN (left end). TOP of the D3200, press the REW. (the song returns to the top.)		
Pull out the cal	oles which are connected.		
			Korg inc.

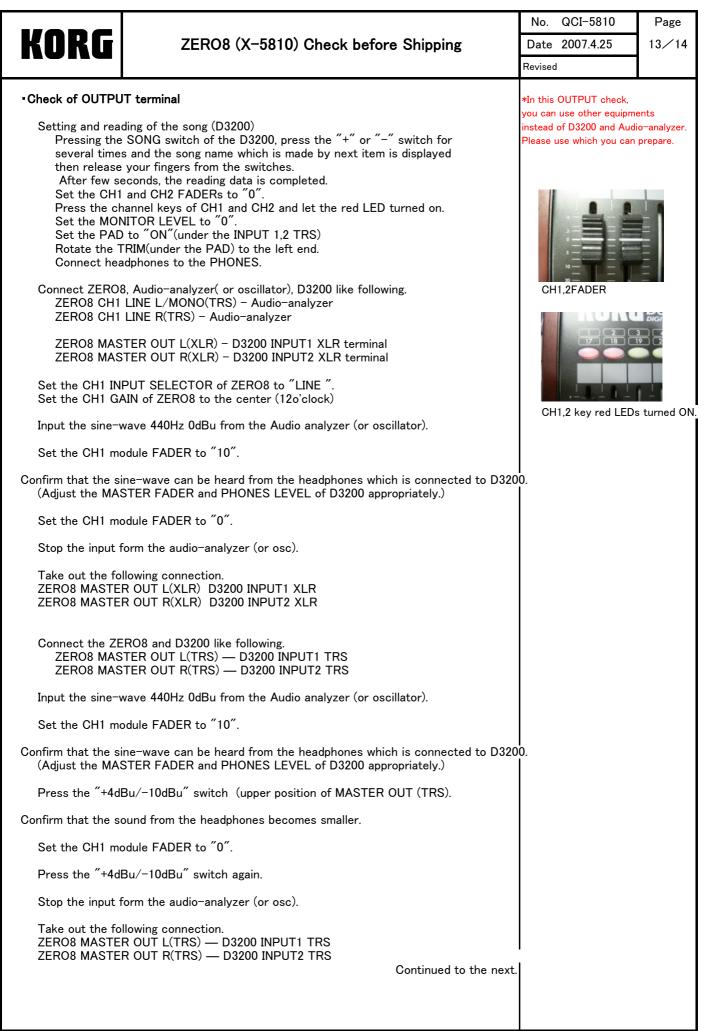
		No. QCI-5810	Page
KORG	ZERO8 (X–5810) Check before Shipping	Date 2007.4.25	8⁄14
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Set all CH FAD	PHONO INPUT1,2,3 (RCA) ERs of ZERO8 to "0" position. of ZERO8 to "-"(left end).		
ZERO8 CH1	ERO8 and the D3200 like following. PHONO L – D3200 MASTER OUT L PHONO R – D3200 MASTER OUT R		
Set the MASTE	R FADER of the D3200 to "60".		
	INPUT SELECTORs to "PHONO 1". adphones to MONITOR R of ZERO8.		
Set the "LEVE Set the CH1 G	Y switch of D3200. (Demo song starts.) L″ to MAX(right end). AIN of ZERO8 to the center. H FADER to ″10″.		
	demo song of the D3200 through the headphones, is not noise and fragmentary sound.		
	H FADER of ZERO8 to "0". AIN of ZERO8 to "-"(left end).		
	AIN of ZERO8 to the center. H FADER to ″10″.		
	demo song of the D3200 through the headphones, is not noise and fragmentary sound.		
	H FADER of ZERO8 to "0". AIN of ZERO8 to "-"(left end).		
Same as above	do the check of CH3-8.		
	CH8, P switch of the D3200. Then the demo song stops. FOP of the D3200, press the REW. (the song returns to the top.)		
Confirm that all Confirm that all	CH FADERs of ZERO8 are "0". GAINs of ZERO8 are "-"(left end).		
ZERO8 PHC	ERO8 and the D3200 like following. NO2 L — D3200 MASTER OUT L NO2 R — D3200 MASTER OUT R		
	INPUT SELECTORs to "PHONO 2". PHONO1, confirm that the sound from PHONO2 can be heard		
press the STOF	CH8 of PHONO2, P switch of the D3200. Then the demo song stops. FOP of the D3200, press the REW. (the song returns to the top.)		
Confirm that all Confirm that all	CH FADERs of ZERO8 are "0". GAINs of ZERO8 are " $-$ "(left end).		

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KORG	ZERO8 (X–5810) Check before Shipping	Date 2007.4.25	9/14
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Connect the 7F	RO8 and the D3200 like following.		
ZERO8 PHO	NO3 L — D3200 MASTER OUT L		
	NO3 R — D3200 MASTER OUT R		
Same way as the F by each channel.	PHONO1, confirm that the sound from PHONO3 can be heard		
After finished C	CH8 of PHONO3,		
Confirm that all Confirm that all	CH FADERs of ZERO8 are "0". GAINs of ZERO8 are "-"(left end).		
	o switch of the D3200. Then the demo song stops.		
Pressing the STOP	FOP of the D3200, press the REW. (the song returns to the top.)		
Pull out the cat	oles which are connected.		
			Korg inc.

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KORG	ZERO8 (X–5810) Check before Shipping	Date 2007.4.25	10/14
		Revised	
 Confirmation of I 	MIC INPUT1,2 (MIC GAIN HIGH/LOW)	*This check uses D3200,	
	RO8 and the D3200 like following. 1(TRS) terminal – D3200 MASTER L	instead of a microphone If you have a microphone,	please use it.
Confirm that th	e MIC GAIN switch (under the MIC1 TRS) of ZERO8 is "HIGH".		
Set the CH1-8	INPUT SELECTORs to "MIC 1".		
Set the CH1-8	GAIN to the center.		
Set the MASTE	R FADER of D3200 to "40".		
Press the PLA	(switch of D3200. (Demo song starts.)		
Set the CH1 m	odule FADER to "10".		
	demo song of the D3200 through the headphones, is not noise and fragmentary sound.		
Press the MIC	GAIN (under the MIC1 TRS) and set it to "LOW".		
Confirm that the s	ound of the headphones becomes smaller.		
Set the CH1 m	odule FADER to "0".		
Press the MIC	GAIN (under the MIC1 TRS) of ZERO8 and set it to "HIGH".		
Set the CH2 m	odule FADER to "10".		
Confirm that there	is not noise and fragmentary sound from the headphones.		
Press the MIC	GAIN (under the MIC1 TRS) and set it to "LOW".		
Confirm that the s	ound of the headphones becomes smaller.		
Set the CH2 m	odule FADER to "0".		
Press the MIC	GAIN (under the MIC1 TRS) of ZERO8 and set it to "HIGH".		
Same way conf	irm until CH8.		
	I CH8, P switch of the D3200. Then the demo song stops. FOP of the D3200, press the REW. (the song returns to the top.)		
Set the CH1-8	GAIN to "-"(left end).		
	RO8 and the D3200 like following. 2(TRS) terminal —D3200 MASTER L		
	Continued to the next	t	

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KORG	ZERO8 (X–5810) Check before Shipping	No. QCI-5810 Date 2007.4.25	Page 11∕14
NUNU	ZEROS (X-3810) Glieck before Shipping	Revised	11/ 14
Confirm that th	e MIC GAIN switch (under the MIC2 TRS) of ZERO8 is "HIGH".		
Set the CH1-8	INPUT SELECTORs to "MIC2".		
Set the CH1-8	GAIN to the center.		
Press the PLA	r switch of D3200. (Demo song starts.)		
Set the CH1 m	odule FADER to "10".		
	demo song of the D3200 through the headphones, is not noise and fragmentary sound.		
Press the MIC	GAIN (under the MIC2 TRS) and set it to "LOW".		
Confirm that th	e sound of the headphones becomes smaller.		
Set the CH1 m	odule FADER to "0".		
Press the MIC	GAIN (under the MIC2 TRS) and set it to "HIGH".		
Same way conf	irm until CH8.		
	l CH8, P switch of the D3200. Then the demo song stops. FOP of the D3200, press the REW. (the song returns to the top.)		
Pull out the cal	oles which are connected.		
Press the PHAI	NTOM (under MIC1 TRS MIC GAIN) of ZERO8.		
Confirm that the "	MIC1+48V″ LED between INPUT SELECTOR1 and 2 light.		
Press the PHAI	NTOM switch again,"MIC1 +48V"LED turned off.		
Press the PHAI	NTOM (under MIC2 TRS MIC GAIN) of ZERO8.		
Confirm that the "	MIC 2 +48V ^{$''$} LED between INPUT SELECTOR1 and 2 light.		
Press the MIC2	PHANTOM switch again,"MIC2 +48V"LED turned off.		
	P switch of the D3200. Then the demo song stops. FOP of the D3200, press the REW. (the song returns to the top.)		
Pull out the cal	oles which are connected.		

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KORG	ZERO8 (X-5810) Check before Shipping		12/14
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 Confirmation of (GUITAR INPUT(TRS)	*This check uses D3200,	
	RO8 and the D3200 like following. ΓΑR —D3200 MASTER L	instead of a guitar. If you have a guitar, please	e use it.
Set the MASTE	R FADER of the D3200 to "20".		
Set the CH1-8	INPUT SELECTORs to "GUITAR". GAIN to the center. (switch of D3200. (Demo song starts.)		
Set theCH1 CH	FADER to "10".		
	demo song of the D3200 through the headphones, is not noise and fragmentary sound.		
Set the CH1 CI Set the CH2 CI	H FADER to "0". H FADER to "10".		
Confirm that there	is not noise and fragmentary sound.		
Set the CH2 CI Set the CH3 CI	H FADER to "0". H FADER to "10".		
Confirm that there	is not noise and fragmentary sound.		
Same way conf	irm until CH8.		
	l CH8, P switch of the D3200. Then the demo song stops. FOP of the D3200, press the REW. (the song returns to the top.)		
Pull out the cat	oles which are connected.		
			(org inc.



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KORG	ZERO8 (X–5810) Check before Shipping		2007.4.25	14/14
NUNU		Revised		
	ZERO8 and D3200 like following. DOTH OUT L(TRS) — D3200 INPUT1 TRS			
	OOTH OUT R(TRS) — D3200 INPUTT TRS			
Input the sin	e-wave 440Hz 0dBu from the Audio analyzer (or oscillator).			
Set the CH1	module FADER to "10".			
	e sine-wave can be heard from the headphones which is connected to D MASTER FADER and PHONES LEVEL of D3200 appropriately.)	3200.		
Set the CH1	module FADER to $"0"$.			
ZERO8 BOC	e following connection. DTH OUT L(TRS) — D3200 INPUT1 TRS DTH OUT R(TRS) — D3200 INPUT2 TRS			
Turn the power	OFF of ZERO8.			
The check has	completed.			
Set the ZERO8	as the factory setting.			



ZERO8 (X–5810) Check before Shipping

Making of new SONG for D3200

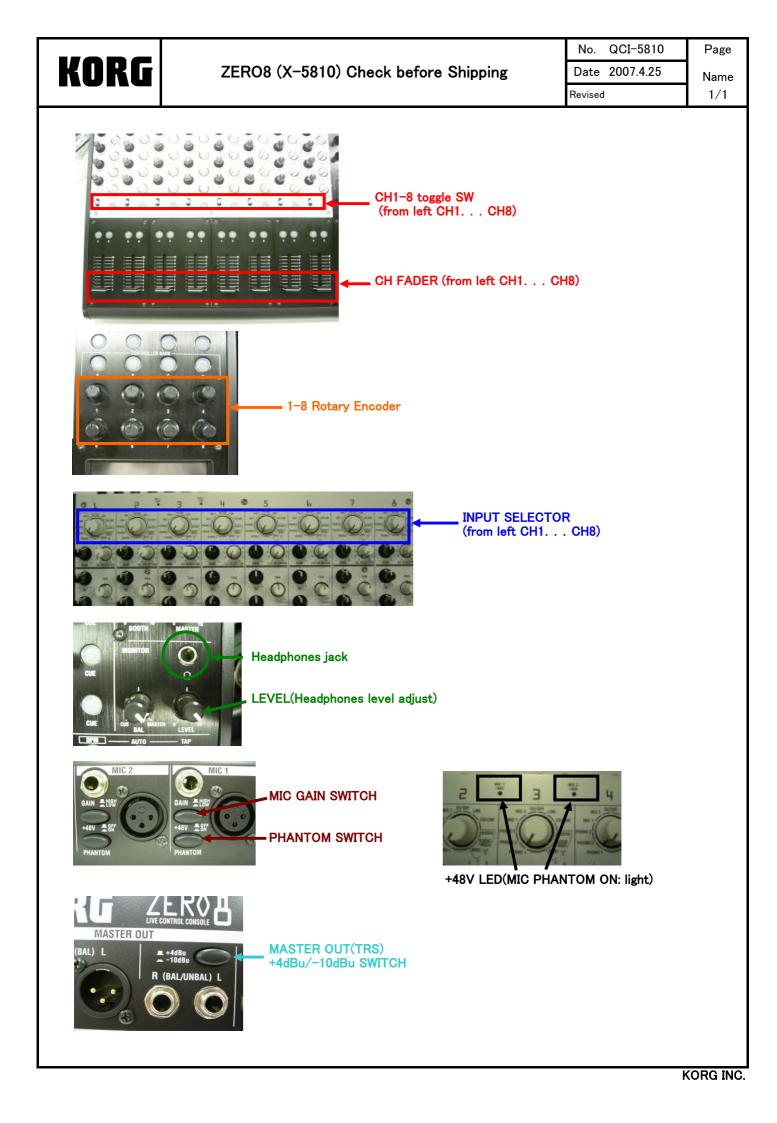
Set the allow to "NEW" in the display using the clickable pointer of D3200. Press the clickable pointer once. Using the clickable pointer and set the allow to "OK" Press the clickable pointer. After few seconds, a new song has been made.

Remember the name of this song.

This new song is needed only one. After this please use this song for the check of ZERO4 or ZERO8.



Clickable pointer



ZERO4/ZERO8 Notice for the system update

2007.6.13 ootsu

(There may be some difference in the Windows display by translation from Japanese MY.)

ZERO4/ZERO8 uses several microcomputers, and these need each software which are written in the flash ROMs. When repairing in case of PCB changing, you need to do the update of softwares.

When the changing of the Firewire board, you need to assign the GUID.

This document is for the changing of the PCBs, [1] System software update [2]Firewire firmware update [3] GUID writing for the firewire board.

PCBs on which microcomputers are mounted.

ZERO4

Main PCB	KLM-2708	1	ADI	Blackfin
		2	NEC	78K0/KF2
Fader PCB	KLM-2718	3	NEC	78K0/KB2 x 2
Firewire board	KLM-2778	5	BridgeCo	DM1500

ZERO8

Main PCB	KLM-2708	1	ADI	Blackfin
		2	NEC	78K0/KF2
Panel PCB	KLM-2709	3	NEC	78K0/KB2
Fader PCB	KLM-2718	4	NEC	78K0/KB2 x 4
Firewire board	KLM-2778	5	BridgeCo	DM1500



Regarding 1-4, these are installed by the System update. Regarding 5, this is installed by the firewire update.

[1] System Update

[1.1:Equipments and tool]

1 WindowsXP computer (HomeEdition or ProfessionalEdition) with Firewire terminal

- 2 Firewire cable
- 3 KORG System update utility "kmupdate.exe" (software)
- 4 System file(*.vsb file)

*When system update KORG Firewire Audio/MIDI driver is needed for the WindowsPC (for the details see owner's manual.)

[1.2:ZERO4/ZERO8 process of the system update]

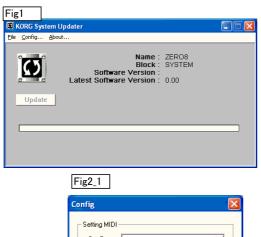


[ZERO4]

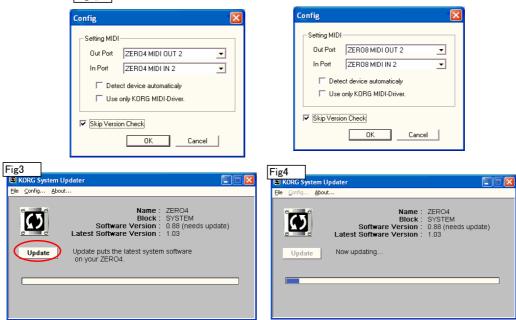
	Connect ZERO4 and the WindowsPC by a Firewire cable.
	Pressing the "BPM Select" and the "KEEP", turn the power on.
3	Confirm that "SYS.U" is displayed in the 7segments LED.
4	Wait until the "FirewireLED" lights (about 15seconds).
5	Double click the "kupdate.exe" and start.(Fig1)
	Click the "Config" from the menu bar, and set like the "Fig2_1".
	Click the "File" from the menu bar, select the system file (*.vsb).
8	Click the "Update" button in the "Fig3", then the system update starts.
9	After the status bar reached 100%, "Now Updating…(Writing 0)" is displayed.(Fig5)
	This display continues for about 5 minutes.
	During this display, never turn the power off.
10	"Fig6" is displayed, the system update has completed.
	This time the 7segments LED changes from blinking to lighting.
	Turn the power off of ZERO4.

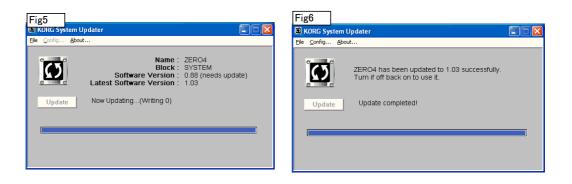
[ZERO8]

	K08]
1	Connect ZERO8 and the WindowsPC by a Firewire cable.
2	Pressing the "EXT1 CUE" and the "BANK C", turn the power on.
3	Confirm that "SYS.U" is displayed in the LCD.
4	Wait until the "FirewireLED" lights (about 15seconds).
5	Double click the "kupdate.exe" and start.(Fig1)
6	Click the "Config" from the menu bar, and set like the "Fig2_1".
7	Click the "File" from the menu bar, select the system file (*.vsb).
8	Click the "Update" button in the "Fig3", then the system update starts.
9	After the status bar reached 100%, "Now Updating…(Writing 0)" is displayed.(Fig5)
	This display continues for about 5 minutes.
	During this display, never turn the power off.
10	"Fig6" is displayed, the system update has completed.
	This time the LCD changes from blinking to lighting.
	Turn the power off of ZERO8.









[2]Firewire firmware update

[2.1:Equipments and tool]

- 1 WindowsXP computer (HomeEdition or ProfessionalEdition) with Firewire terminal
- 2 Firewire cable
- 3 BridgeCo 1394 DownLoad Tool (software)
- 4 KORG DM1500 Updater (software)

[2.2:Preparation (Install of the software)]

- 1 Double click the BridgeCo 1394 DownLoad Tool ("setup_bcodl_tools_2_30_0.exe") and do the install.
- 1_1 " New hardware device detected" is displayed, select "No, this time not connect"
- 1_2 Dialog of "not passed the compatibility to Windows logo test" is displayed, click the "continue".
 2 Double click the KORG DM1500 Updater("DM1500UpdDaterSetup[e].exe"), and do the install.
- Do the install until the dialog of the install completed is displayed.

[2.3:Firewire firmware update]

- 1 Start the DM1500 Updater (Fig7).
- 2 Connect the WindowsPC and ZERO4/8 by a Firewire cable.
 - * This time for the written GUID," New hardware device detected" is displayed then click "cancel". (Fig8_1)

Also DM1500 Updater clears the GUID, click the "Clear GUID" button.

- After GUID cleared, the display becomes "Fig8_3", then turn the power off of ZER4/8. And turn the power on again. 3 The DM1500 Updater detects ZERO4/8, display becomes "Fig9".
- 4 Click the "Update" button, and start the update.(Fig10)
- 5 Wait for the completion of the update, Fig11 is displayed the update has completed.



Device Information Vendor: KORG Model: ZERO8 GUID: 0011FD1058C90002 File Korg_FWM_Application 20061219.bcd Choose Use bcodl.exe for update Update automatically when device is connected GUID have to be cleared. Push "Clear GUID"button to clear GUID. Clear GUID evice is connected.		KOKG DM1500 Opdater
Model: ZERO8 GUID: 0011FD1058C90002 File Korg_FWM_Application 20061219.bcd Choose Use bcodl.exe for update Use bcodl.exe for update Update automatically when device is connected GUID have to be cleared. Push "Clear GUID"button to clear GUID. Clear GUID	- Device In	formation
GUID: 0011FD1058C90002 File	Vendor:	KORG
- File	Model:	ZERO8
Korg_FWM_Application 20061219.bcd Choose Use bcodl.exe for update Update automatically when device is connected GUID have to be cleared. Push "Clear GUID"button to clear GUID. Clear GUID	GUID:	0011FD1058C90002
Use bcodl.exe for update Update automatically when device is connected GUID have to be cleared. Push "Clear GUID"button to clear GUID. Clear GUID	- File	
Update automatically when device is connected GUID have to be cleared. Push "Clear GUID"button to clear GUID. Clear GUID	Korg_FW	M_Application 20061219.bcd Choose
GUID have to be cleared. Push "Clear GUID"button to clear GUID.	🕒 Use bc	odl.exe for update
Clear GUID	😑 Update	automatically when device is connected
	GUID ha	ve to be cleared. Push "Clear GUID"button to clear GUID.
evice is connected.		Clear GUID
	evice is cor	nected.

KORG DM1500 Updater	()
C Device Information	
Vendor: -	
Model: -	
GUID: -	
_ File	
Korg_FWM_Application 20061219.bcd	Choose
Use bcodl.exe for update	
 Update automatically when device is connected 	
Remove the device and connect the	e next device.
Update	
Device is disconnected.	

Fig9		Fig10			
i igo	KORG DM1500 Updater	(e)	KORG DM1500 Updater	()	
C Device In	formation	Device In	nformation		
Vendor:	KORG	Vendor:	KORG		
Model:	ZERO8	Model:	ZERO8		
GUID:	0011FD100000000	GUID:	0011FD100000000		
_ File		File			
Korg_FW	M_Application 20061219.bcd Choose.		VM_Application 20061219.bcd	Choose	
Use bc	odl.exe for update	O Use bo	codl.exe for update		
Update automatically when device is connected		😑 Updat	Update automatically when device is connected		
Push "	Update" button to start update.	Wait f	Wait for the system updating		
	Update		Update		
Device is cor	nnected.	BCD Status:	Uploading 4%		

Fig11 KORG DM1500 Updater Device Information Vendor: KORG Model: ZERO8 GUID: 0011FD1058C90002 - File -Korg_FWM_Application 20061219.bcd Choose...) Use bcodl.exe for update Update automatically when device is connected Please turn off the device! Clear GUID GUID has been cleared with success!

[3] Writing of the Firewire GUID

The Firewire devices are needed to have a unique GUID for each device.

In the factory, there is a process to assign the GUID After changed the PCB by repairing, the new PCB's GUID is "0".

So you need to write the GUID before shipping.

[3.1:Equipments and tool]

- WindowsXP computer (HomeEdition or ProfessionalEdition) with Firewire terminal 1
- 2 Firewire cable
- BridgeCo 1394 DownLoad Tool (software): Same as the Firewire firmware update. Already installed?) 3
- 4 DM15Jig (software)

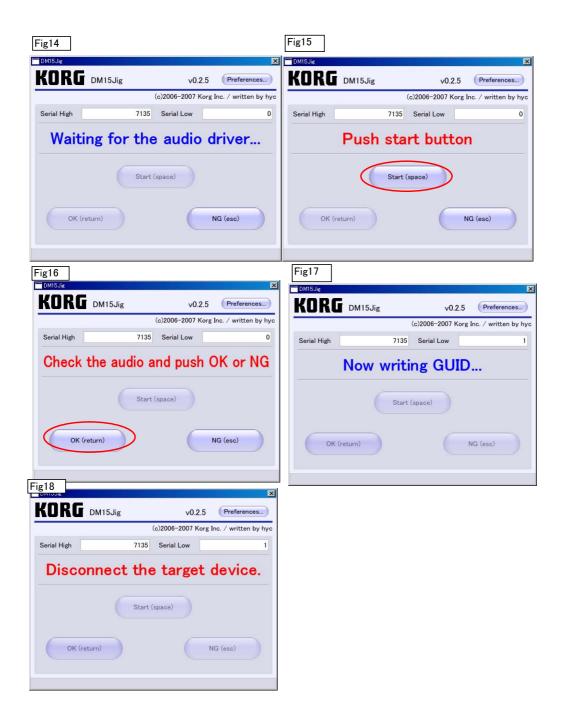
[3.2:Preparation (install of the softwares)]

- Install theBridgeCo 1394 DownLoadTool. When you already installed it, you need not. 1
- Double click the DM15Jig(DM15JigSetup.msi) and install it. 2

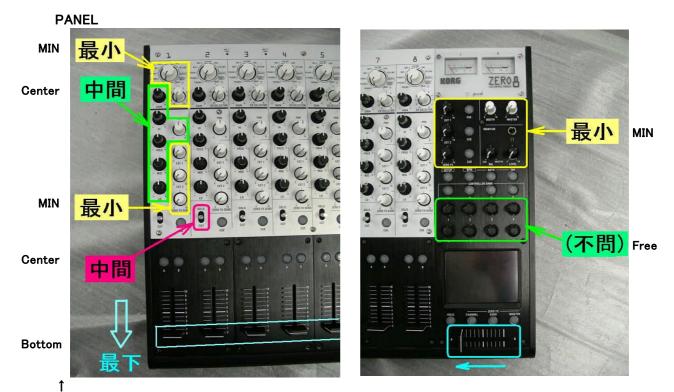
[3.3:Process of the Firewire GUID writing]

- Start the DM15Jig (Fig12). 1
- Click the "Preference" button and the setting screen is appears.(Fig13). Check in the "Skip Slave Device Check", then click "OK". 2
- 3
- Connect the WindowsPC and ZERO4/ZERO8 (Fig14). 4
- After detected ZERO4/8, "Fig15" is displayed, then click the "Start" button. Click the "OK" button (Fig16). 5
- 6
- GUID writing screen is displayed. (Fig17)。 7
- 8 "Fig18" is displayed the writing has completed. Then turn the power off (ZERO4/8).

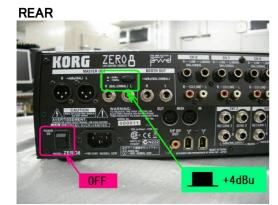
Fig12	Fig13 Preferences
KORG DM15Jig v0.2.5 Preferences (c)2006-2007 Korg Inc. / written by hyc Serial High 7135 Serial Low 0	Slave Device SBP2 Compliant IEEE 1394 device
Connect the target device	GUID Allow editing Vendor (Hex) Model (Hex) 0011fd ZERO Series 16 7135 0 Don't increment Serial Low
OK (return) NG (eso)	Audio Test Settings Sample Rate 48000 ¢ Buffer Size 1024 ¢ Cancel Apply OK



ZERO8 Factory Setting before shipping



Same as Ch1, set from Ch2 to Ch8.





GAIN:HIGH +48V:OFF