SERVICE MANUAL
VOX VT40+

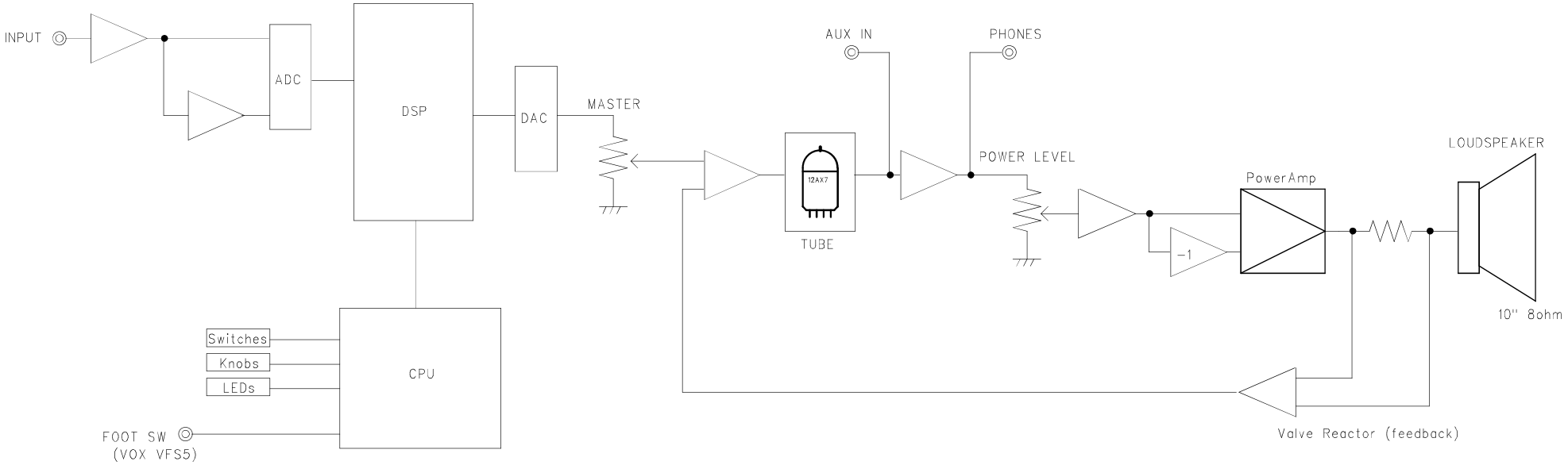


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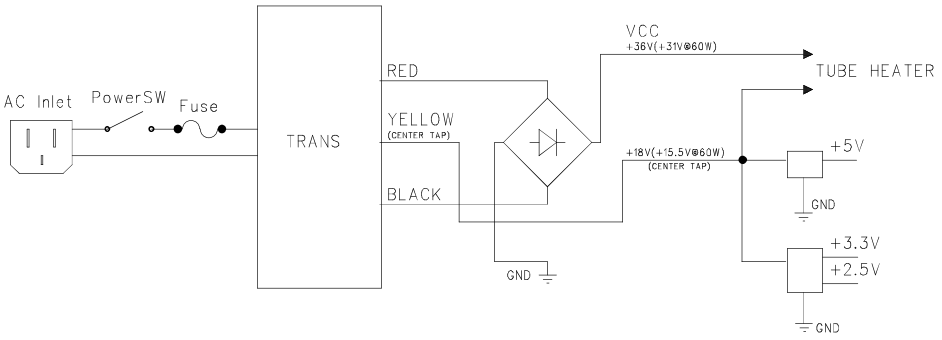
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Issued: Dec.02, 2010
Ver.1.0
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VOX VT40+
BlockDiagram

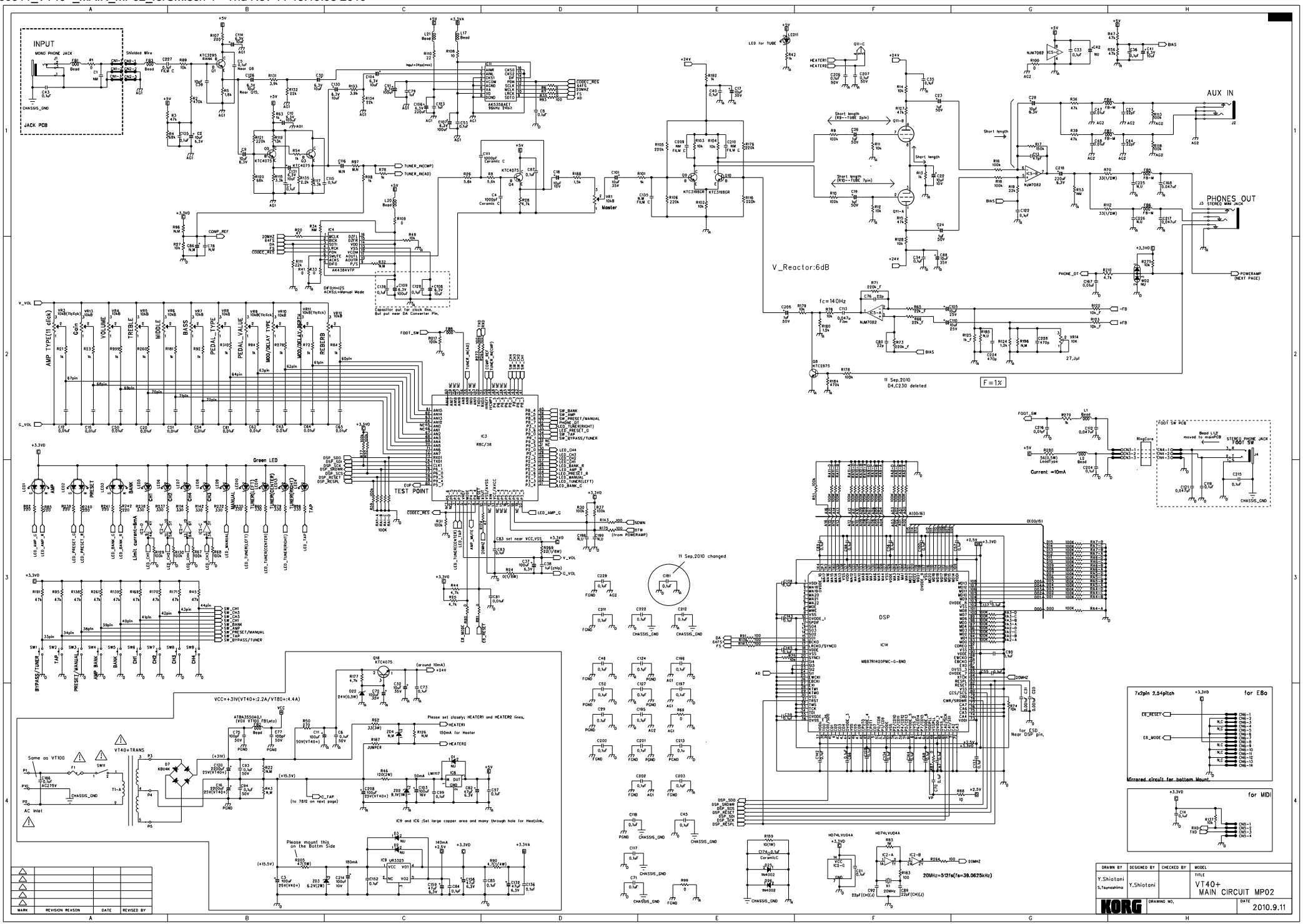


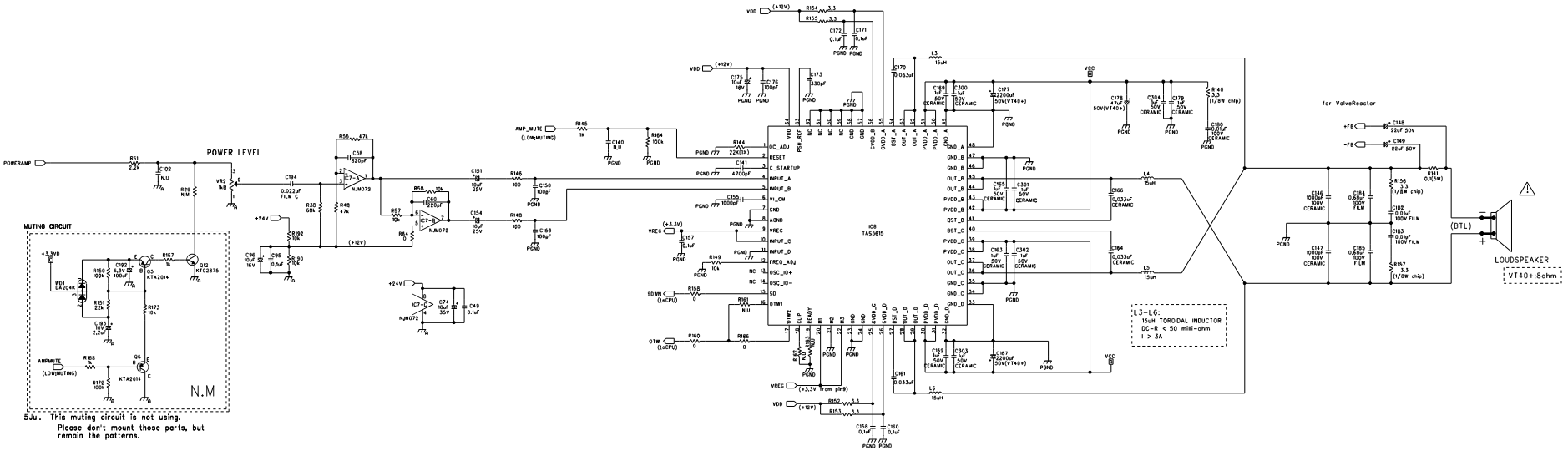
POWER SUPPLY

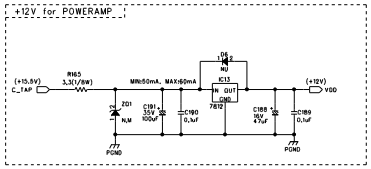


MARK	REVISION REASON	DATE	REVISED BY
△			
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DRAWN BY	DESIGNED BY	CHECKED BY	MODEL VOX VT40+
S.TSUNASHIMA			TITLE BlockDiagram
KORG	DRAWING NO.		DATE 11.Nov,2010


INPUT
MONO PHONE JACK
JACK PCB
AUX IN
PHONES OUT
STEREO MINI JACK
POWERAMP (NEXT PAGE)
Master
V_Reactor:6dB
fc=140Hz
F=1%
11 Sep,2010 D4,C230 deleted
11 Sep,2010 changed
AMP TYPE(11 click)
VOLUME
TREBLE
MIDDLE
BASS
PEDAL_TYPE
PEDAL_VALUE
MOD/DELAY TYPE
MOD/DELAY DEPTH
REBERB
Green LED
TEST POINT
DSP
MB87M1420PMC-G-BND
IC3
RBC/38
AK4384VTP
AK5358AET
ATB43550A01
KTC4075
KTC3198GR
KTC2875
NJM7082
LM1117
IR UR3525
Current =10mA
FOOT SW PCB
for E8a
for MIDI
for ESD Near DSP pin.
Mirrored circuit for bottom Mount.
VCC=+31V(VT40+:2.2A/VT80+:4.4A)
Please set closely: HEATER1 and HEATER2 lines.
Please mount this on the Bottom Side
IC9 and IC6 :Set large copper area and many through hole for Heatsink.
20MHz=512fs(fs=39.0625kHz)
Some as VT100
VT40+TRANS
AC inlet
DRAWN BY
DESIGNED BY
CHECKED BY
MODEL
Y.Shiotani
S.Tsunashima
Y.Shiotani
VT40+
MAIN CIRCUIT MP02
KORG
DRAWING NO.
DATE
2010.9.11
MARK
REVISION REASON
DATE
REVISED BY





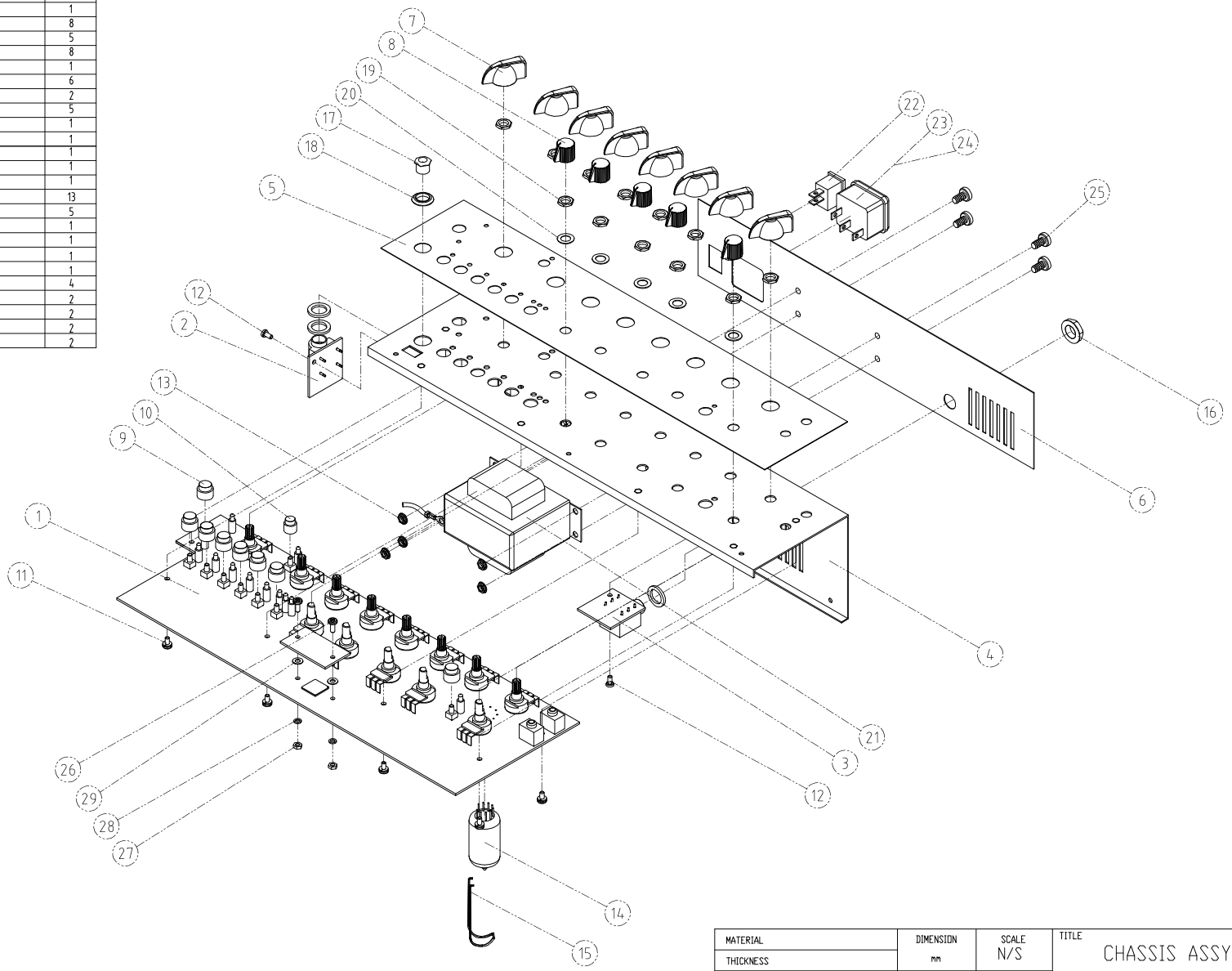
MARK	REVISION REASON	DATE	REVISED BY
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DRAWN BY	DESIGNED BY	CHECKED BY	MODEL
S.Tsurushima	S.Tsurushima		TITLE: VT40+ MAIN CIRCUIT MP02
KORG	DRAWING NO. KOD-A*****		DATE '**.**.**

DWG.NO. ASSY0290-01

NO	DESCRIPTION	SPECIFICATION	Q'TY
1	MAIN PCB ASS'Y	VT40+	1
2	JACK PCB ASS'Y	VT40+	1
3	FOOT S/W PCB ASS'Y	VT40+	1
4	MAIN CHASSIS	386X105X95 EGI 1t	1
5	FRONT PANEL	PVC 0.5t 376X80 HAIRLINE BLACK	1
6	REAR PANEL	PS 0.5t 336X66 BLACK	1
7	VOLUME KNOB	ABS CREAM(CHIKENHEAD)	8
8	VOLUME KNOB-SMALL	ABS BLACK(KNOB0050)	5
9	TACK KNOB "A"	NBR ø9	8
10	TACK KNOB "B"	NBR ø7	1
11	SCREW	MBSSW 3X6 NI	6
12	SCREW	TPQS 3X6 NI	2
13	FRANGE NUT	M4 NI	5
14	TUBE	12AX7AC5	1
15	TUBE RETAINER	12AX7용 (SPR0012)	1
16	JACK NUT	ABS BK	1
17	JACK NUT	CR(BPJ)	1
18	JACK WASHER	ABS BK(BPJ)	1
19	VOLUME NUT	M7 NI	13
20	VOLUME WASHER	ø7 NI	5
21	TRANS	VT40+	1
22	POWER SWITCH	RL3-421-H-0-BK	1
23	INLET	SC-8F-21	1
24	FUSE		1
25	SCREW	MBS 4X10 BK	4
26	SCREW	MBS 3X8 NI	2
27	NUT	M3 NI	2
28	SPRING WASHER	ø3 NI	2
29	FIBER WASHER	ø3	2

THIRD ANGLE PROJECTION

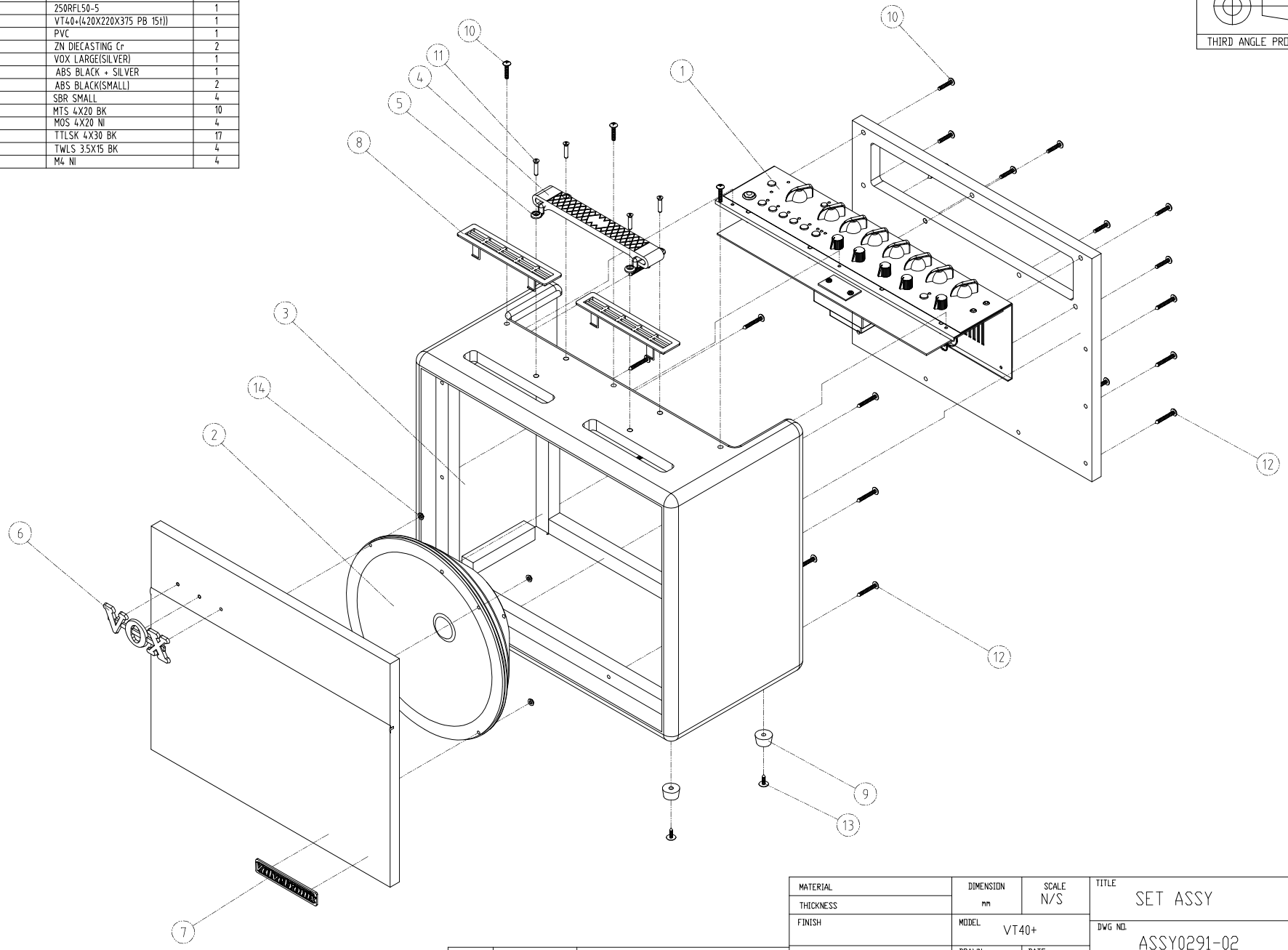


REV NO.	REV DATE	DESCRIPTIONS OF REVISION
C		
B		
A		

MATERIAL	DIMENSION	SCALE	TITLE: CHASSIS ASSY
THICKNESS	mm	N/S	SHEET: 1OF1
FINISH	MODEL: VT40+		DWG NO.: ASSY0291-01
TOLERANCE UNLESS NOTE	DRAWN: S.Y. OH	DATE: 2010.10.08	VER.: A
DIMENSIONAL ±	CHECKED	DATE	KIMANSON
HOLE CENTERS ±	APPROVED	DATE	Kimanson Instruments CO., Ltd.
DIAMETERS ±			
ANGULAR ±			

DWG.NO. ASSY0291-02

NO	DESCRIPTION	SPECIFICATION	Q'TY
1	CHASSIS ASS'Y	VT40+	1
2	SPEAKER	250RFL50-5	1
3	CABINET ASS'Y	VT40+(420X220X375 PB 15t))	1
4	HANDLE BAR	PVC	1
5	HANDLE EDGE	ZN DIECASTING Cr	2
6	BRAND MARK	VOX LARGE(SILVER)	1
7	VALVETRONIX	ABS BLACK + SILVER	1
8	VENT GRILL	ABS BLACK(SMALL)	2
9	RUBBER FOOT	SBR SMALL	4
10	SCREW	MTS 4X20 BK	10
11	SCREW	MOS 4X20 NI	4
12	SCREW	TTLSK 4X30 BK	17
13	SCREW	TWLS 3.5X15 BK	4
14	FRANGE NUT	M4 NI	4



THIRD ANGLE PROJECTION

REV NO.	REV DATE	DESCRIPTIONS OF REVISION
C		
B		
A		

MATERIAL	DIMENSION	SCALE	TITLE: SET ASSY / SHEET: 1OF1
THICKNESS	mm	N/S	
FINISH	MODEL: VT40+		DWG NO.: ASSY0291-02 / VER.: A
TOLERANCE UNLESS NOTE	DRAWN: S.Y. OH	DATE: 2010.11.01	KIMANSON
DIMENSIONAL ±	CHECKED	DATE	Kimanson Instruments CO., Ltd.
HOLE CENTERS ±			
DIAMETERS ±	APPROVED	DATE	
ANGULAR ±			

VOX VT20+/40+/80+/120+ testing instruction

Nov 15, 2010 fushimi@korg.co.jp

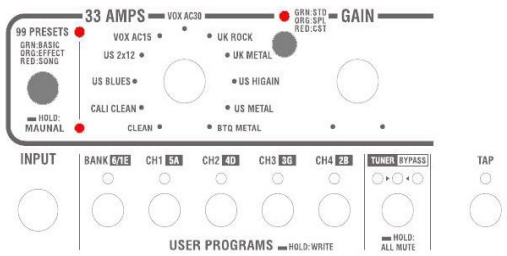
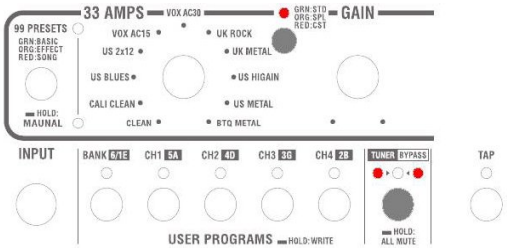
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2. Test mode

2.1. How to boot

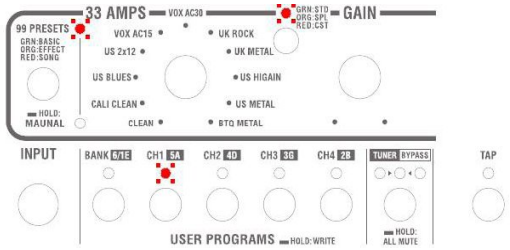
Power on with switch indicated below being pushed to enter respective mode.
Release all switches after confirming the mode to be tested is correctly selected. Then enter the mode.

Modes	Switch to boot (, Initial status (:lit, : blink)
Internal test->Control surface test.	
Audio test	

2.2. Internal test

In order to do switch test, connect VFS5 optional footswitch before boot the mode.

Item(s) below automatically will be inspected.
When NG occured, LEDs lit/blink as below.

Test item	NG Indication (:lit, :blink)
CPU-DSP I/F	

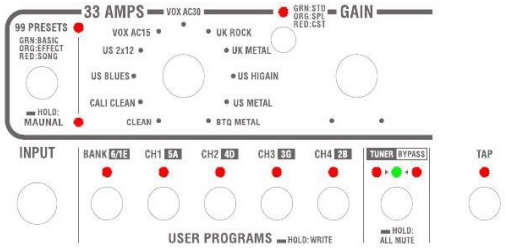
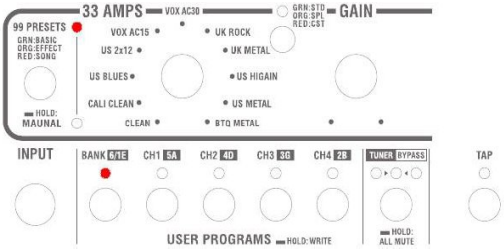
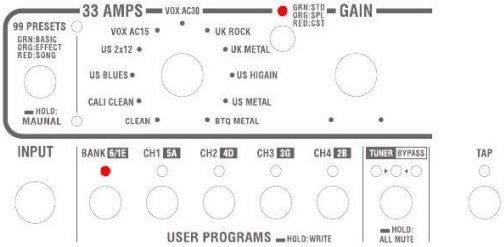
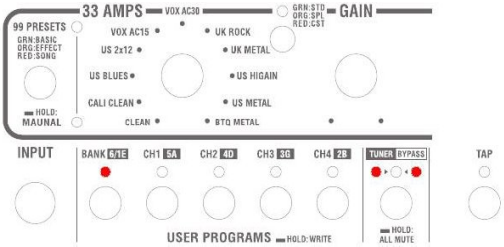
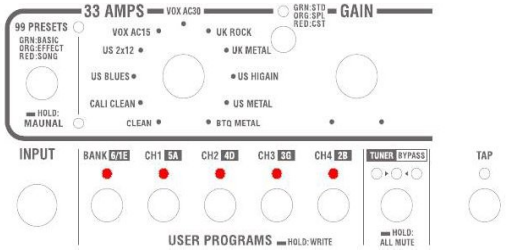
Press PRESET SW and BANK SW together to check an NG item again after NG occured.
Press PRESET SW and TUNER/BYPASS SW together to skip NG item and enter to next mode.
When internal test finished, mode shifts to control surface test mode automatically.

2.2.1. CPU-DSP I/F

CPU reads DSP register data to check wiring between CPU and DSP.

2.3. Control surface test

Control surface and indicators are checked as below order.
Audio loop will be tested along with PHONES jack switch in test item 4.

	Test item	Initial status (:lit、 : blink)
1	Switch & LED	
2	11-clicks VR	
3	VR (non-click)	
4	PHONES Jack, Audio Loop	
5	Reload (DATA FLASH Initialization)	

---- Remarks ----

- In the initial status of switch & LED test, status of VFS5 is indicated on BANK, CH1～4 LED.
- Press BANK or TUNER SW when unit is initial status to choose each test mode.
- DSP will be muted except in test mode4.

2.3.1. Switch & LED

Check all LEDs are lilting (except green LEDs on PRESET, AMP, BANK)
Press TAP SW to check other switches and LEDs.

---- Remarks ----

- When BANK LED is blinking, BANK LED on VFS5 is green.
  Then press BANK SW on VFS5 to make LED turn red.
- When either CH1,CH2,CH3,CH4 LEDs is blinking, CH SW on VFS5 is being pushed.
  Release switches and make CH1～4 LEDs lit.

Check functions of all LEDs and switches in order.

1. Check LEDs in below chart lit correctly (others must not)
2. LED pattern change by pushing respective switch as below.

When all tests finished, enter to the next test automatically.

LED	Switch
PRESET(RED)	PRESET
PRESET(GREEN)	PRESET
MANUAL	PRESET
AMP(RED)	AMP
AMP(GREEN)	AMP
BANK(RED)	BANK
BANK(GREEN)	BANK
CH1	CH1
CH2	CH2
CH3	CH3
CH4	CH4
TUNER(LEFT)	TUNER/BYPASS
TUNER(GREEN)	TUNER/BYPASS
TUNER(RIGHT)	TUNER/BYPASS
TAP	TAP
BANK(RED), TAP	VFS5 BANK
BANK(GREEN), TAP	VFS5 BANK
CH1, TAP	VFS5 CH1
CH2, TAP	VFS5 CH2
CH3, TAP	VFS5 CH3
CH4, TAP	VFS5 CH4

---- Remarks ----

- All LED will blink when AMP TYPE knob turned during the test.
  Press TAP switch to back to initial status of switch & LED test.

2.3.2. 11-clicks VR

Check all click point on VR knob(w/click) as following order.

1. AMP TYPE (33 AMPS)
2. PEDAL TYPE
3. MOD/DELAY TYPE

Start test of knobs from their max position (rightmost).
If knob was set max initially, move the knob and set max again.
After checking min(leftmost) test on next knob starts automatically.
(Next test starts after MOD/DELAY test completed)

1. Stop knob at click point. (make sure knob is set on the point)
2. Go to next click after checking TUNER(GREEN) LED lit.

---- Remarks ----

- CH1～CH4 LED status changes according to A/D value of target knob(simple meter).
- If click point that was to be tested was skipped mistakenly before TUNER(GREEN) LED lit, TUNER(LEFT/RIGHT) LED will blink.
  Back to the click point to be tested then LED will go out and test can be re-started.
- If A/D value of other knob varied accidentally, error occurs and test stops with PRESET, BANK LED blink.
  Press TAP to cancel error status and re-start test.

2.3.3. VR (non-click)

Check A/D value of each VR (non-click)in the following order.

1. GAIN
2. VOLUME
3. TREBLE
4. MIDDLE
5. BASS
6. VALUE (PEDAL)
7. DEPTH (MOD/DELAY)
8. REVERB

Do test with each knob.
When all knob tests finished, next test starts automatically.

1. Turn knob to max (rightmost), (If knob was set max initially, move the knob and set max again).
2. Make sure TUNER(GREEN) LED lit.
3. Turn knob to MIN(leftmost), (when MIN is detected, TUNER(GREEN) LED turn off and goes to next step).

---- Remarks ----

- CH1～CH4 LED status changes according to A/D value of target knob(simple meter).
- If A/D value of other knob varied accidentally, error occurs and test stops with AMP, BANK LED blink.
  Press TAP to cancel error status and re-start test.

2.3.4. PHONES Jack、Audio Loop

CPU checks PHONES jack status. Signal level back to input by sending 1kHz sine wave from DSP will be checked.

1. Set "MASTER" max.
2. Connect PHONES jack and INPUT jack via mono cable.
   Check TAP LED lit when INPUT jack was connected to PHONES jack.
3. Press TAP switch (level check start).

When level check completed, next test will start automatically.

Output and input level (OK range) on each channel is a following.
(Each value corresponds to the one, when max signal input/output to/from DSP is set 1.0.

Test items	Output Ch (output level)	Input Ch(OK range)
DSP SI1R (Clean Ch)	DSP SO1L (0.015478)	DSP SI1R (0.35+-7dB)
DSP SI1L (Gain Ch)	DSP SO1L (0.001949)	DSP SI1L (0.35+-7dB)

---- Remarks ----

- When error occurs, PRESET, BANK, TUNER(LEFT/RIGHT) LED all blink and the test stops.
  PRESET LED color indicated which channel is causing error.
  (GREEN: Clean Ch, RED: Gain Ch).
  Press TAP switch to cancel error status and re-start test.

2.3.5. Reload (DATA FLASH Initialization)

Initialize all data such as USER PROGRAM and data on DATA FLASH.

Press TAP switch to start initialize. (BANK LED changes to green).
When initialize succeed, a unit will be goes to normal mode automatically.

---- Remarks ----

- When initialize failed, BANK, CH1-4 LED blink.
  Press tap switch to back to first step of "Reload".

2.4. Audio test

This is a bypass mode to through INPUT signal and output directly.

DSP input channel can be switched by pressing PRESET switch.
Power amp mute On/Off(AMP_MUTE L/H) can be switched by pressing AMP switch.
Status of PHONES jack, VFS5 switch are shown on TAP LED, BANK,CH1-4 respectively.

Switch	Function	LED	Status
PRESET	DSP input L/R switch	PRESET=RED	L (Gain Ch)
		PRESET=GREEN	R (Clean Ch)
AMP	AMP_MUTE L/H switch	AMP=GREEN	High
		AMP=RED (Blink)	Low
PHONES Jack	PHONES jack status	TAP Off	Open (not connected)
		TAP On	Close (connected)
VFS5	VFS5 status	BANK=RED	BANK LED on VFS5 = RED
		BANK=GREEN	BANK LED on VFS5 = GREEN
		CH1 On	CH1 is pushed
		CH2 On	CH2 is pushed
		CH3 On	CH3 is pushed
		CH4 On	CH4 is pushed

2010.8.10 VT40+ Audio TEST for PP V1

No.	Input mode	Load		Mesurement	Input Condition	Analyzer setting	Standard Value
1	Input	Phones 33ohm R	Normal CH (DSP R) LED:99Preset=G	Output Level	1k/−40dBm		−17dBm±3
2				Output Level	14k/−40dBm	1k Relative	−3.5dB±3
3				Output Level	50/−40dBm	1k Relative	−1.5dB±3
4				Noise(MASTER=MAX)	GND	A filter	≦−60dBm
5				Noise(MASTER=MIN)	GND	A filter	≦−70dBm
6				Dist	1k/−40dBm		≦3%
7				Dist	1k/−25dBm		≦10%
8		Phones 33ohm L	Gain CH (DSP L) LED:99Preset=R	Output Level	1k/−58dBm		−17dBm±3
9				Output Level	14k/−58dBm	1k Relative	−3.5dB±3
10				Output Level	50/−58dBm	1k Relative	−1.5dB±3
11				Noise	GND	A filter	≦−60dBm
12				DIST	1k/−58dBm		≦3%
13	AUX/R	Phones 33ohm L	LED:99Preset=G	Output Level	1k/−10dBm		−6.0dBm±3
14				Output Level	15k/−10dBm	1k Relative	−2.0dB±3
15				Output Level	50/−10dBm	1k Relative	−1.0dB±3
16				DIST	1k/−10dBm		≦1%
17	AUX/L		LED:99Preset=G	15k	15k/−10dBm		−8.0dBm±3
18	INPUT	8Ω SPEAKER	LED:99Preset=G	Hum Noise Rejection (MASTER=MIN)	GND	**Audio Filter**	≧−38dBm and hearing check (Adjust Trim) if possible ,adjusted noise level is ≧40dBm
19	Input	SP OUT 8Ω	Normal CH (DSP R) LED:99Preset=G	Output Level	1k/−40dBm		+9.5dB±3
20				Output Level	10k/−40dBm	1k Relative	−2dB±3
21				Output Level	50/−40dBm	1k Relative	−2dB±3
22				VR Effect **(No Load)**	1k/−40dBm	1k Relative	−5.5dB±1.5
23				Noise(MASTER=MAX)	GND	**Audio filter**	≦−34dBm
24				Noise(MASTER=MIN)	GND	**Audio filter**	≦−37dBm
25				Dist	1k/−25dBm	Notch Filter=1k	≦5%
26				Output Level(MAX OUT)	1k/−16dBm		Adjust to 57W−62W by Master Volume
27				Dist(MAX OUT)	1k/−16dBm	Notch Filter=1k	≦15% (Master Volume position keeps No.26)

KORG VT40+ Parts List

⚠ = SAFETY CRITICAL COMPONENT.

EXP=EXPLODED VIEW Item No

Part Number	Category	Part Name	Location	EXP	Reference	QTY
530000001086 ⚠	CHIP INDUCTOR	HH-1M2012-121	JACK		FB1	1
530000001116	WAFER	WAFER LWL0640 3P	JACK		CN1	1
530000001945	JACK	BPJ-BNB-P, 8MM	JACK		J1	1
530000001116	WAFER	WAFER LWL0640 3P	FOOT SW		CN4	1
530000001094	OP-AMP	NJM072 (SMT)	MAIN		IC7	1
530000000194	OP-AMP	IC NJU7082	MAIN		IC5	1
530000002347	IC	POWER IC TAS5615	MAIN		IC8	1
500324018020	DAC	AK4384ET-E2	MAIN		IC4	1
500324018021	ADC	AK5358AET-E2	MAIN		IC11	1
500320004748	IC	R5F21388AN101FP U1	MAIN		IC3	1
500320012334	DSP	MB87R1420PMC-G-BND	MAIN		IC14	1
530000000179	HEX INVERTER	IC 74LVU04DB	MAIN		IC2	1
530000001098	REGULATOR	UTC UR3325	MAIN		IC9	1
530000002307	REGULATOR	REGULATOR LM1117 5V	MAIN		IC6	1
530000002348	REGULATOR	REGULATOR KIA78L12F	MAIN		IC13	1
530000001948	CHIP TR	KTC3295	MAIN		Q1	1
530000000279	CHIP TR	TR KTC4075	MAIN		Q2,Q3,Q4,Q18	4
530000000275	CHIP TR	TR KTC2875	MAIN		Q8	1
530000000277	TRANSISTOR	TR KTC3198GR	MAIN		Q9,Q10	2
530000000150	DIODE	D 1N4002	MAIN		D25,D26	2
530000002349	ZENER DIODE	ZENER DIODE 1N5252B (1/2 24V)	MAIN		D22	1
530000002350	ZENER DIODE	ZENER DIODE 1N4739 (1W 9.1V)	MAIN		ZD2	1
530000002351	ZENER DIODE	ZENER DIODE 2EZ6.2D5 (2W 6.2V)	MAIN		ZD3	1
530000001103	LED	3O4HD-7	MAIN		LED11	1
530000000208	LED	LED RED 3M/M DLL-B5131Q	MAIN		LED4,LED5,LED6,LED7, LED8,LED9,LED10,LED13	8
530000002196	LED	DLL-B2131Q(G124)	MAIN		LED14	1
530000001102	LED	3RG9HW-2-A	MAIN		LED1,LED2,LED3	3
530000001225	LED SUPPORT	LED SUPPORT SW 4010 - 10MM	MAIN			9
530000001226	LED SUPPORT	LED SUPPORT SW 4009 - 9MM	MAIN			3
530000000804	BRIDGE DIODE	BRIDGE DIODE KBU4K	MAIN		D7	1
530000001380	CHIP INDUCTOR	HH-1M1608-600JT	MAIN		FB4,FB5,FB6,FB7,FB8, L1,L2,L17,L20,L21	10
530000002308	CHIP INDUCTOR	CHIP INDUCTOR HH-1M1608-121	MAIN		FB3	1
530000000802	BEAD CORE	BEAD CORE FBS3550A0 .T	MAIN		FB2	1
530000002352	INDUCTOR	RING COIL INDUCTOR 15UH 3A	MAIN		L3,L4,L5,L6	4
530000002309	CRYSTAL	CRYSTAL 20MHZ	MAIN		X1	1
530000002353	RESISTOR	CARBON RESISTOR 1/2W 33 OHM	MAIN		R70,R112	2
530000002354	RESISTOR	CARBON RESISTOR 1/2W 56 OHM	MAIN		R280	1
530000002355	RESISTOR	METAL OXIDE RESISTOR 1W 10 OHM	MAIN		R159	1
530000002356	RESISTOR	CARBON RESISTOR 2W 120 OHM	MAIN		R46	1
530000002357	RESISTOR	CARBON RESISTOR 3W 33 OHM	MAIN		R62	1
530000002358	RESISTOR	WIRE WOUMD 5W 0.1 OHM	MAIN		R141	1
530000002317	RESISTOR	CEMENT RESISTOR 5W J 47	MAIN		R205	1
530000002318	VOLUME	SEMI VOLUME KVSF689AC103 (10K)	MAIN		VR14	1
530000000288	VOLUME	VR RV160-40-15S-B10K-C0	MAIN		VR1,VR4,VR5,VR6,VR7, VR9,VR11,VR12,VR13	9
530000002319	VOLUME	VOLUME VR RV160-40-15S-B1K-C0)	MAIN		VR2	1
530000000289	VOLUME	VR RV160-40-15S-B10K-C11 (11C)	MAIN		VR3,VR8,VR10	3

530000000265	SWITCH	TACK SW ATS-1230B (K=9.5MM)	MAIN		SW1,SW2,SW3,SW4,SW5, SW6,SW7,SW8,SW9	9
530000001101	TUBE SOCKET	GZC9-A	MAIN		Q11	1
530000002320	JACK	STEREO JACK CKX3.5-69	MAIN		J2,J3	2
530000002359	PCB ASS'Y	MAIN PCB ASS'Y VT40+	CHASSIS	1		1
530000002323	PCB ASS'Y	JACK PCB ASS'Y VT20+	CHASSIS	2		1
530000002324	PCB ASS'Y	FOOT S/W PCB ASS'Y VT20+	CHASSIS	3		1
530000002360	CHASSIS	MAIN CHASSIS(VT40+)386X105X95	CHASSIS	4	CHA0338	1
530000002361	PANEL	FRONT PANEL(VT40+) PVC 0.5T	CHASSIS	5	FPN0220	1
530000002362	PANEL	REAR PANEL VT40+(100V)PS 0.5T	CHASSIS	6	RPN0281	1
530000002363	PANEL	REAR PANEL VT40+(120V)PS 0.5T				
530000002364	PANEL	REAR PANEL VT40+(100V)PS 0.5T				
530000002365	PANEL	REAR PANEL VT40+(100V)PS 0.5T				
530000001126	KNOB	VOLUME KNOB CHIKEN HEAD CREAM	CHASSIS	7		8
530000001127	KNOB	ROUND KNOB	CHASSIS	8	KNOB0050	5
530000001124	KNOB	TACT KNOB "A" NBR 9PIE	CHASSIS	9	KNOB0047	8
530000001125	KNOB	TACT KNOB "B" NBR 7PIE	CHASSIS	10	KNOB0048	1
510465500501	TUBE	TUBE(VALVE)12AX7AC5HG	CHASSIS	14		1
530000001117	TUBE RETAINER	TUBE RETAINER	CHASSIS	15	SPR0012	1
530000002366 ⚠	TRANS	TRANS 100V=076-VT40+ J	CHASSIS	21		1
530000002367 ⚠		TRANS 120V=076-VT40+ U				
530000002368 ⚠		TRANS 230V=076-VT40+ E				
530000002369 ⚠		TRANS 240V=076-VT40+ EF				
530000000761 ⚠	SWITCH	POWER SW RL3-421	CHASSIS	22		1
530000000199 ⚠	Inlet	INLET/FUSE HOLDER SC-8F-21	CHASSIS	23		1
530000000808 ⚠	FUSE	FUSE T2.0AL 250V	CHASSIS	24		1
530000000806 ⚠	FUSE	FUSE T1A L 250V				
530000002370 ⚠	ASSY	CHASSIS ASS'Y VT40+(100V)	SET	1		1
530000002371 ⚠		CHASSIS ASS'Y VT40+(120V)				
530000002372 ⚠		CHASSIS ASS'Y VT40+(230V)				
530000002373 ⚠		CHASSIS ASS'Y VT40+(240V)				
530000002374 ⚠	SPEAKER	SPEAKER 250RFL50-5	SET	2		1
530000002375 ⚠	ASSY	CABINET ASSY(VT40+)420X220X375	SET	3	CAB0406	1
530000000313 ⚠	HANDLE	HANDLE ASS'Y	SET	4,5		1
530000000138		BRAND MARK VOX (LARGE) SILVER	SET	6		1
530000000854		BRAND MARK VALVETRONICS SILVER	SET	7		1
530000000767		VENT GRILL	SET	8		2
530000000252		RUBBER FOOT SBR SMALL	SET	9		4
500600006508 ⚠	AC CORD	LY100JPVCTFLY35LY37(JP)	PACKING			1
530000000123 ⚠		AC CORD 120V = KKP30-16A				
530000000124 ⚠		AC CORD 230V = KKP4819R-16A				
530000000125 ⚠		AC CORD 230V = KKP650-16A				
530000000126 ⚠		AC CORD 240V = KKP550-16A				
530000002376		VT40+ BAFFLE ASS'Y				1