PORTATONE

PSR-1000/PSR-2000

SERVICE MANUAL



PSR-1000



PSR-2000

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IMPORTANT NOTICE

This manual has been provided for the use of authorized Yamaha Retailers and their service personnel. It has been assumed that basic service procedures inherent to the industry, and more specifically Yamaha Products, are already known and understood by the users, and have therefore not been restated.

WARNING: Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components and failure of the product to perform as specified. For these reasons, we advise all Yamaha product owners that all service required should be performed by an authorized Yamaha Retailer or the appointed service representative.

IMPORTANT: This presentation or sale of this manual to any individual or firm does not constitute authorization, certification, recognition of any applicable technical capabilities, or establish a principal-agent relationship of any form.

The data provided is belived to be accurate and applicable to the unit(s) indicated on the cover. The research engineering, and service departments of Yamaha are continually striving to improve Yamaha products. Modifications are, therefore, inevitable and changes in specification are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

WARNING: Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground bus in the unit (heavy gauge black wires connect to this bus).

IMPORTANT: Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

WARNING: CHEMICAL CONTENT NOTICE!

The solder used in the production of this product contains LEAD. In addition, other electrical/electronic and/or plastic (where applicable) components may also contain traces of chemicals found by the California Health and Welfare Agency (and possibly other entities) to cause cancer and/or birth defects or other reproductive harm.

DO NOT PLACE SOLDER, ELECTRICAL/ELECTRONIC OR PLASTIC COMPONENTS IN YOUR MOUTH FOR ANY REASON WHAT SO EVER!

Avoid prolonged, unprotected contact between solder and your skin! When soldering, do not inhale solder fumes or expose eyes to solder/flux vapor!

If you come in contact with solder or components located inside the enclosure of this product, wash your hands before handling food.

■ WARNING

Components having special characteristics are marked ⚠ and must be replaced with parts having specification equal to those originally installed.

■ SPECIFICATIONS

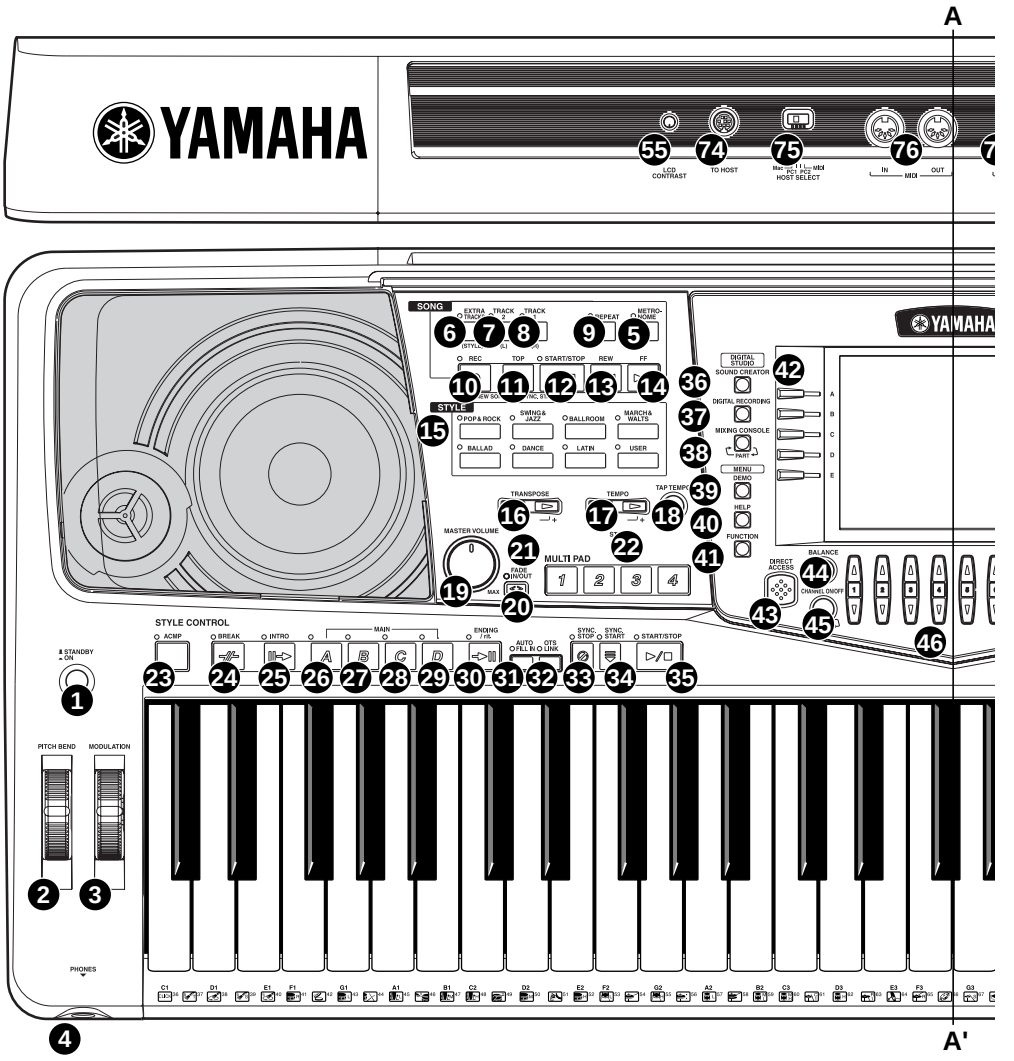
◯: available

Model Name			PSR-1000	PSR-2000
Sound Source			AWM Dynamic Stereo Sampling	
Display			320 x 240 dots backlit graphic LCD	
Keyboard			61 keys (C1 - C6 with Initial Touch)	
Voice	Polyphony (max)		32	64
	Voice Selection		233 voices + 480 XG voices + 15 Drum Kits	313 voices + 480 XG voices + 16 Drum Kits
		Regular Voice	233	303
		Sweet Voice	3	8
		Cool Voice	1	2
		Live Voice	—	3
		Others	229	290
		Organ Flute	—	10 (8 Footages)
	Sound creator		◯	
Effects	Effect Blocks	Reverb	1	
		Chorus	1	
		DSP	1	4
		Microphone	—	1
	Effect Types	REVERB	23 Preset+3 User	29 Preset+3 User
		CHORUS	15 Preset+3 User	25 Preset+3 User
		DSP1	98 Preset+3 User	164 Preset+3 User
		DSP2, 3, 4	—	88 Preset +10 User
		Master EQ	—	5 Preset + 2 User
		Part EQ	—	27 Parts
	Vocal Harmony		—	49 Preset +10 User

◯: available

Model Name			PSR-1000	PSR-2000
Accompaniment	Number of Accompaniment Styles		169	181
Style	Number of Session Styles		4	
	Disk		28 styles (included in the accessory disk)	
	Fingering		Single Finger, Fingered, Fingered On Bass, Multi Finger, AI Fingered, Full Keyboard, AI Full Keyboard	
	Style Creator		◯	
	OTS (One Touch Setting)		4/Accompaniment Style	
	OTS link		◯	
	Music Finder		400 (max.)	500 (max.)
		Edit	◯	
Song	Format		SMF (Format 0,1), ESEQ	
	Preset Songs		◯	
	Lyrics		◯	
	Score		—	◯
	Recording		Quick Recording, Multi Recording, Step Recording, Song Editing	
		Record Channels	16	
Multi Pad	Preset		4 Pads x 54 Banks	
Memory Device	Floppy Disk (2HD,2DD)		◯	
	Flash Memory (internal)		512KB	1MB
	Flash Availability		Song (SMF), Style (SFF), Registration, Voice, etc.	
Tempo	Tempo Range		5 - 500	
	Tap Tempo		◯	
	Metronome		◯	
		Sound	Bell on/off	
Registration Memory	Buttons		8	
	Regist Sequence		◯	
	Freeze		◯	
Others	Demo		Function, Voice, Style	
	Language		6 languages (English, Japanese, German, French, Spanish, Italian)	
	Help		◯	
	Direct Access		◯	
	Master Volume		◯	
	Fade In/Out		◯	
	Transpose		Keyboard/Song/Master	
	Tuning		◯	
	Scale		Equal Temperament, Pure Major/Pure Minor, Pythagorean, Mean-Tone, Werckmeister/Kirnberger, Arabic 1/2	
	Touch Response		5 level	
Jacks/Connectors			DC IN, PHONES, MIDI (OUT, IN), TO HOST, HOST SELECT SW, FOOT PEDAL1 (SWITCH), FOOT PEDAL2, AUX OUT (LEVEL FIXED) (L/R), OUTPUT (L/L+R)	
			—	MIC (INPUT VOLUME, MIC./ LINE)
Pedal Functions			VOLUME, SUSTAIN, SOSTENUTO, SOFT, GLIDE, PORTAMENTO, PITCHBEND, MODULATION, DSP VARIATION, SONG START/STOP, STYLE START/STOP, etc.	
Amplifiers/ Speakers	Amplifiers		12 W x 2	
	Speakers		(12 cm + 5 cm) x 2	[12 cm + 4 cm (dome)] x 2
Power Consumption			31 W	
Power supply			Yamaha AC adaptor PA-300 (included) *May not be in you area.Please check with your Yamaha dealer.	
Dimensions [W x D x H] (without Music Stand)			973 x 399 x 161 mm [38-5/16" x 15-11/16" x 6-5/16"]	
Weight			10.0 Kg (22 lbs., 1 oz)	10.5 Kg (23 lbs., 2 oz)
Optional accessories	Headphones		HPE-150	
	Foot Switch		FC4 / FC5	
	Foot Controller		FC7	
	Keyboard Stand		L-6, L-7	

■ PANEL LAYOUT



POWER

1 [STANDBY/ON] switch

WHEEL

2 PITCH BEND

3 MODULATION (PSR-2000 only)

PHONES

4 [PHONES] jack

METRONOME

5 [METRONOME] button

SONG

6 [EXTRA TRACKS (STYLE)] button

7 [TRACK 2 (L)] button

8 [TRACK 1 (R)] button

9 [REPEAT] button

10 [REC] button

11 [TOP] button

12 [START / STOP] button

13 [REW] button

14 [FF] button

STYLE

15 STYLE buttons

TRANSPOSE

16 [◄] [►] buttons

TEMPO

17 [◄] [►] buttons

18 [TAP TEMPO] button

MASTER VOLUME

19 [MASTER VOLUME] dial

20 [FADE IN / OUT] button

MULTI PAD

21 [1] - [4] buttons

22 [STOP] button

STYLE CONTROL

23 [ACMP] button

24 [BREAK] button

25 [INTRO] button

26 MAIN [A] button

27 MAIN [B] button

28 MAIN [C] button

29 MAIN [D] button

30 [ENDING / rit.] button

31 [AUTO FILL IN] button

32 [OTS LINK] button

33 [SYNC.STOP] button

34 [SYNC.START] button

35 [START / STOP] button

DIGITAL STUDIO

36 [SOUND CREATOR] button

37 [DIGITAL RECORDING] button

38 [MIXING CONSOLE] button

MENU

39 [DEMO] button

40 [HELP] button

41 [FUNCTION] button

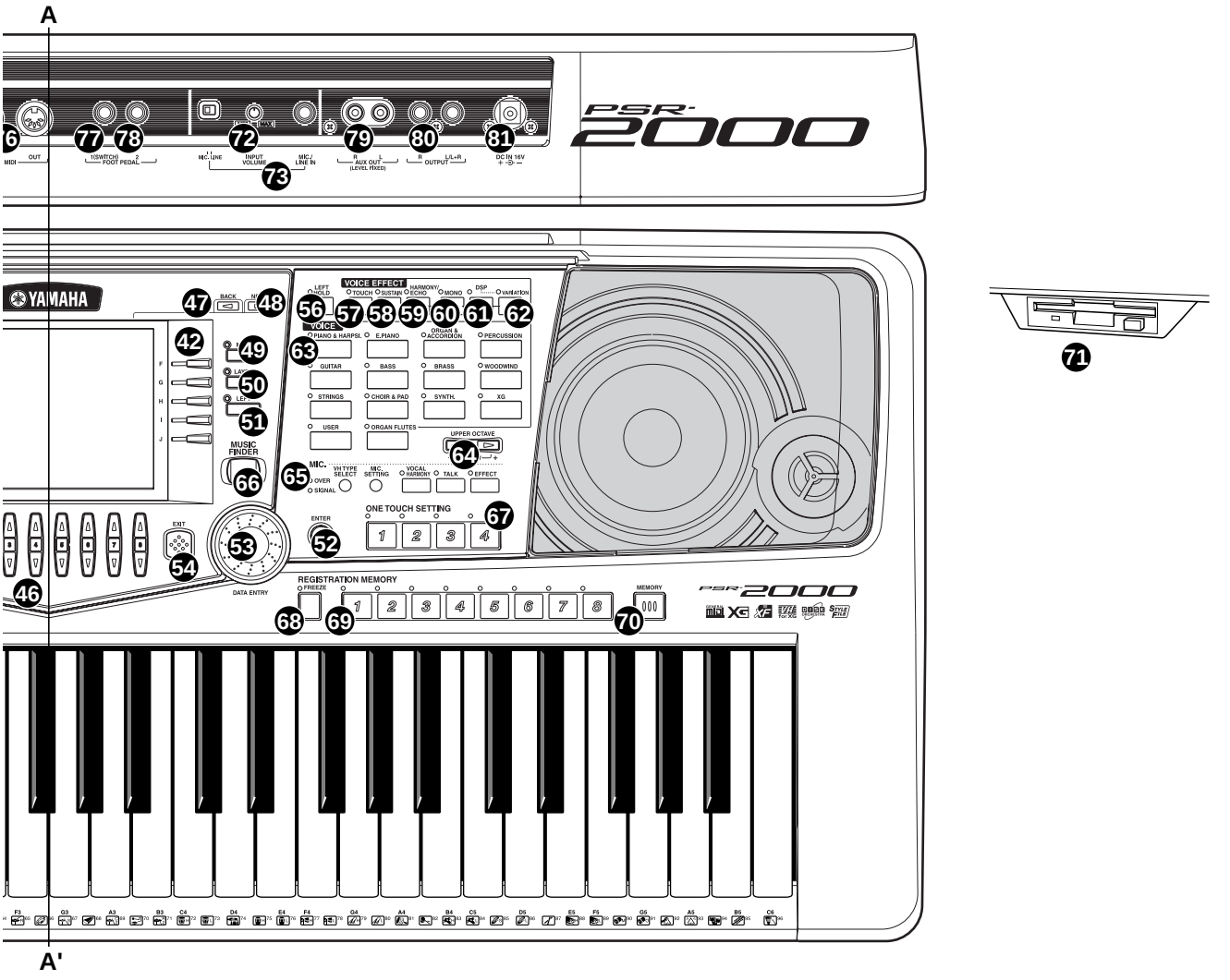
DISPLAY CONTROL

42 [A] - [J] buttons

43 [DIRECT ACCESS] button

44 [BALANCE] button

45 [CHANNEL ON / OFF] button



46 [1▲] - [8▼] buttons
47 [BACK] button
48 [NEXT] button
49 VOICE PART ON / OFF [MAIN] button
50 VOICE PART ON / OFF [LAYER] button
51 VOICE PART ON / OFF [LEFT] button
52 [ENTER] button
53 [DATA ENTRY] dial
54 [EXIT] button
55 [LCD CONTRAST] knob

VOICE EFFECT
56 [LEFT HOLD] button
57 [TOUCH] button
58 [SUSUTAIN] button
59 [HARMONY / ECHO] button
60 [MONO] button
61 [DSP] button
62 [VARIATION] button

VOICE
63 VOICE buttons

UPPER OCTAVE
64 [UPPER OCTAVE] button

MIC.
65 MIC. buttons (PSR-2000 only)

MUSIC FINDER
66 [MUSIC FINDER] button

ONE TOUCH SETTING
67 [1] - [4] buttons

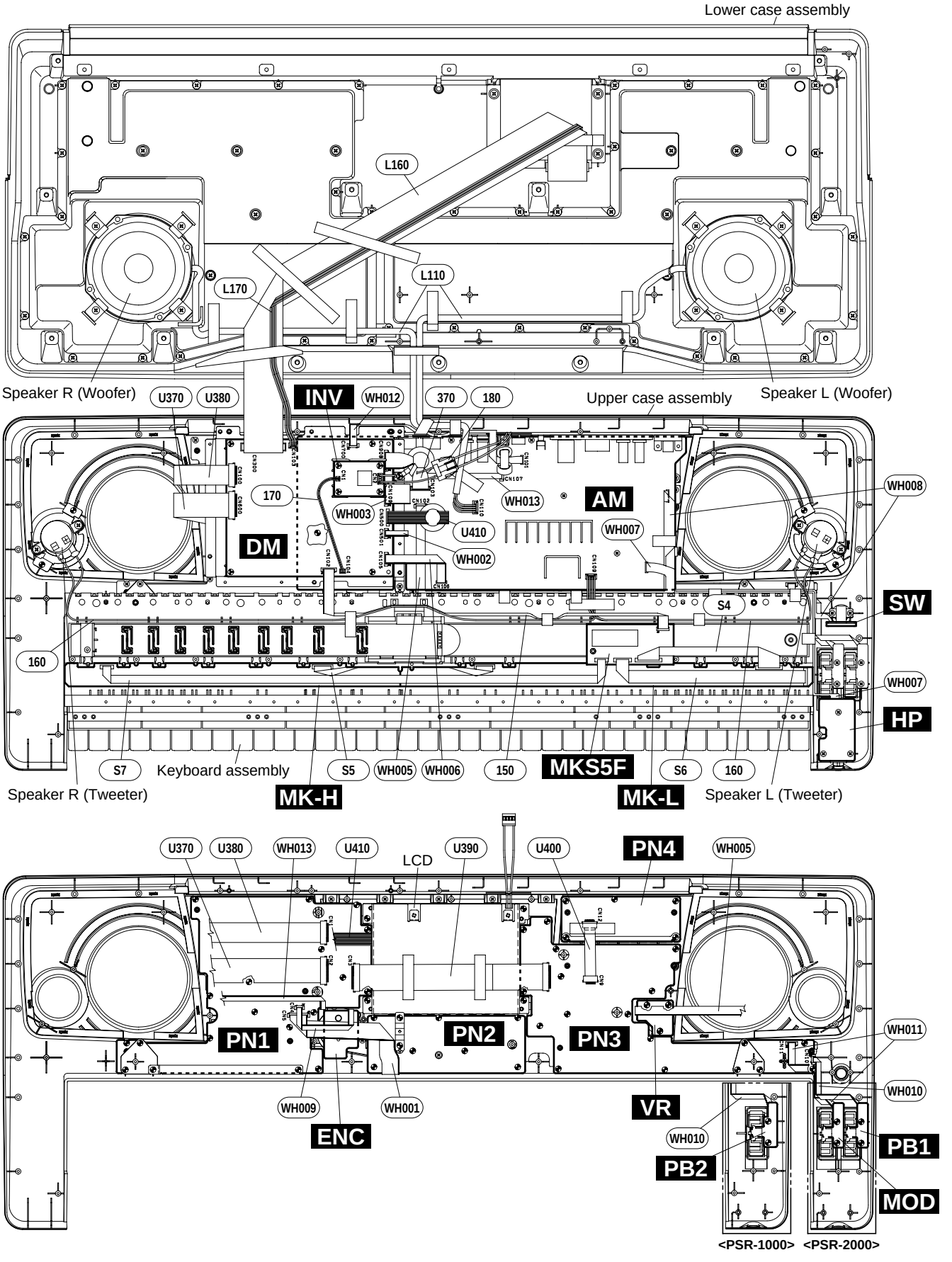
REGISTRATION MEMORY
68 [FREEZE] button
69 [1] – [8] buttons
70 [MEMORY] button

FLOPPY DISK
71 Floppy disk drive (3.5”)

Microphone (PSR-2000 only)
72 [INPUT VOLUME] knob
73 [MIC. / LINE IN] jack

Connectors
74 [TO HOST] terminal
75 [HOST SELECT] switch
76 MIDI [OUT] [IN] terminals
77 [FOOT PEDAL 1 (SWITCH)] jack
78 [FOOT PEDAL 2] jack
79 AUX OUT (LEVEL FIXED) [L] [R] jacks
80 OUTPUT [L / L+R] [R] jacks
81 DC IN terminal

■ CIRCUIT BOARD LAYOUT



Location	Part No.	Connector Assembly	Destination				Remarks
150	(V778240)	KB	MKS5F-CN1	*1	DM-CN102	*1	6P
160	(V778260)	TW	Speaker (Tweeter)		AM-CN109		4P L=800
170	(V778270)	INVP	INV-CN1	*1	DM-CN104	*2	2P L=200
180	(V778280)	INV	INV-CN2	*1	LCD		4P L=100
370	(V815810)	AN2	AM-CN103	*1	DM-CN908	*1	9P
L110	(V778250)	SP	Speaker (Woofer)		AM-CN110		5P L=800
L160	V7782900	FD	FDD		DM-CN300	*1	34P
L170	V7780900	FDPS	FDD		DM-CN103	*2	3P L=700
U370	(V778070)	PN1	PN1-CN2		DM-CN600		26P
U380	(V778080)	PN2	PN1-CN1		DM-CN100		21P
U390	MFA28300	CARD	PN1-CN3		PN3-CN8		28P 300mm
U400	MFA11100	CARD	PN3-CN9		PN4-CN12		11P 100mm
U410	(V815820)	LCD	LCD		DM-CN500	*2	14P
S4	VU958900	Cable	MK-L		MKS5F-CN2		12P
S5	VU659500	Cable	MK-L		MK-H		12P
S6	VU659400	Cable	MK-L		MKS5F-CN3		7P
S7	VU659600	Cable	MK-H		MKS5F-CN4		5P
WH001	(V778110)	PN5	PN2-CN7		PN1-CN5	*1	10P L=200
WH002	(V778120)	CNT	AM-CN303		DM-CN501	*1	3P L=120
WH003	(V778130)	DJ	AM-CN300		DM-CN109	*1	11P L=120
WH005	(V778150)	VOL	VR-CN100		AM-CN102	*1	5P L=480
WH006	(V778160)	PS	AM-CN106		DM-CN105	*1	5P L=120
WH007	(V778170)	HP	HP-CN111		AM-CN108		5P L=380
WH008	(V778180)	SW	SW-CN104		AM-CN105		6P L=320
WH009	(V778190)	ENC	ENC-CN13		PN1-CN4	*1	3P L=100
WH010	(V778200)	PB	PB1-CN15		PN3-CN10	*1	3P L=130 (PSR-1000)
			PB2-CN16				3P L=130 (PSR-2000)
WH011	(V778210)	MOD	MOD-CN14		PN3-CN11		4P L=130 (PSR-2000)
WH012	(V778220)	MIC	AM-CN101		DM-CN700	*1	4P L=300 (PSR-2000)
WH013	(V778230)	IND	PN1-CN6		AM-CN107	*1	3P L=480 (PSR-2000)

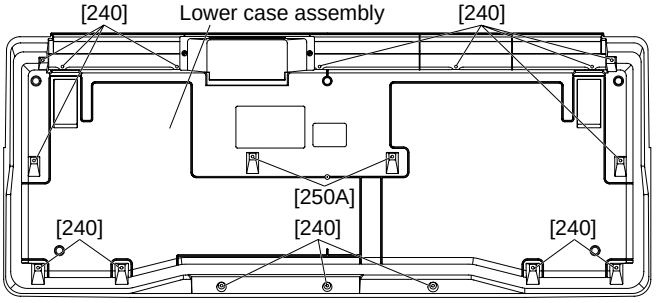
* The parts with "( )" in "Part No." are not available as service parts.
*1: Edge mark is adjusted to Pin 1 mark (△ mark).
*2: Red wire is adjusted to Pin 1 mark (△ mark).

■ DISASSEMBLY PROCEDURE

Caution: Be sure to attach the removed filament tape just as it was before removal.

1. Lower Case Assembly (Time required: About 5 minutes)

1-1 Remove the sixteen (16) screws marked [240] and the two (2) screws marked [250A]. The lower case assembly can then be removed. (Fig. 1)



[240]: Bind Head Tapping Screw-P 3.0x12 MFZN2Y (EP600300)
[250A]: Bind Head Tapping Screw-P 3.0x25 MFZN2Y (VK228100)
(Fig. 1)

2. HP Circuit Board

(Time required: About 10 minutes)

2-1 Remove the lower case assembly. (See procedure 1.)

2-2 Remove the three (3) screws marked [270A]. The HP circuit board can then be removed. (Fig. 2)

3. Wheel Assembly, PB2 Circuit Board (PSR-1000), PB1 Circuit Board (PSR-2000)

(Time required: About 10 minutes)

3-1 Remove the lower case assembly. (See procedure 1.)

3-2 Remove the two (2) screws marked [510A]. The PB2 (or PB1) circuit board with the wheel assembly can then be removed. (Fig. 2)

3-3 Remove the wheel assembly from the PB2 (or PB1) circuit board. (Fig. 3)

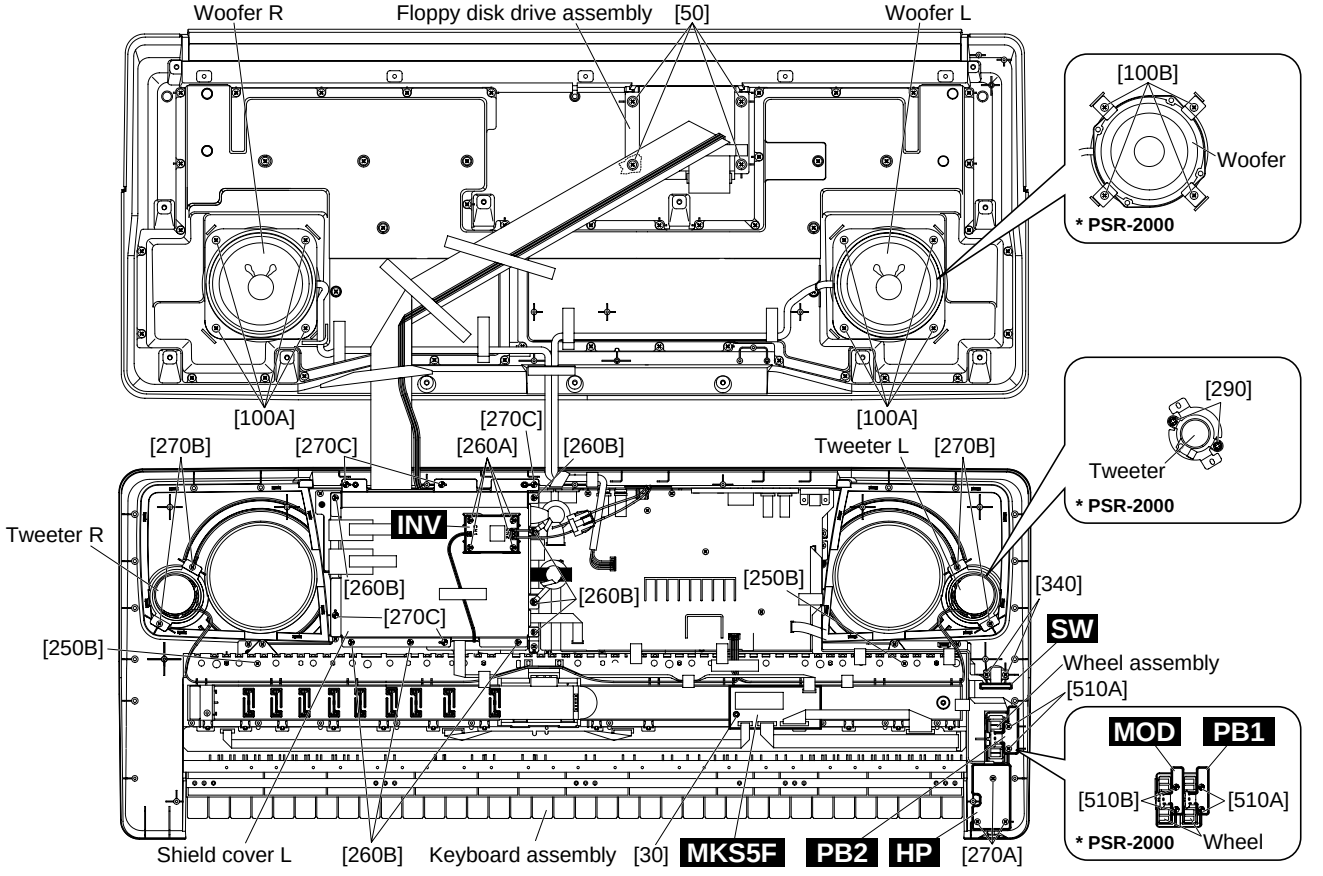
4. MOD Circuit Board (PSR-2000 only)

(Time required: About 10 minutes)

4-1 Remove the lower case assembly. (See procedure 1.)

4-2 Remove the two (2) screws marked [510B]. The MOD circuit board with the wheel can then be removed. (Fig. 2)

4-3 Remove the wheel from the MOD circuit board. (Fig. 3)



[30]: Bind Head Tapping Screw-P 3.0x16 MFZN2BL (EP630220)
[50]: Bind Head Tapping Screw-P 4.0x16 MFZN2Y (VM839600)
[100]: Bind Head Tapping Screw-P 4.0x10 MFZN2Y (EP640500)
[250B]: Bind Head Tapping Screw-P 3.0x25 MFZN2Y (VK228100)
[260]: Bind Head Tapping Screw-B 3.0x6 MFZN2Y (EP600130)
[270]: Bind Head Tapping Screw-P 3.0x8 MFZN2Y (EP600280)
[290]: Bind Head Tapping Screw-B 4.0x6 MFZN2BL (EP600370)
[340]: Flat Head Tapping Screw-B 3.0x8 MFZN2Y (EP600420)
[510]: Bind Head Tapping Screw-P 3.0x8 MFZN2Y (EP600280)

*** This figure shows the PSR-1000.**

(Fig. 2)

5. SW Circuit Board

(Time required: About 10 minutes)

5-1 Remove the lower case assembly. (See procedure 1.)

5-2 Remove the two (2) screws marked [340]. The SW circuit board can then be removed. (Fig. 2)

5-3 Remove the red knob from the SW circuit board.

6. Tweeter (PSR-1000)

(Time required: About 10 minutes)

6-1 Remove the lower case assembly. (See procedure 1.)

6-2 Remove the two (2) screws marked [270B]. The tweeter can then be removed. (Fig. 2)

* The left and right tweeters can be removed in the respectively same method.

7. Tweeter (PSR-2000)

(Time required: About 10 minutes)

7-1 Remove the lower case assembly. (See procedure 1.)

7-2 Remove the two (2) screws marked [290]. The tweeter can then be removed. (Fig. 2)

* The left and right tweeters can be removed in the respectively same method.

8. Woofer (PSR-1000)

(Time required: About 10 minutes)

8-1 Remove the lower case assembly. (See procedure 1.)

8-2 Remove the four (4) screws marked [100A]. The woofer can then be removed. (Fig. 2)

* The left and right woofers can be removed in the respectively same method.

9. Woofer (PSR-2000)

(Time required: About 10 minutes)

9-1 Remove the lower case assembly. (See procedure 1.)

9-2 Remove the four (4) screws marked [100B]. The woofer and the four (4) speaker holders can then be removed. (Fig. 2)

* The left and right woofers can be removed in the respectively same method.

10. Floppy Disk Drive

(Time required: About 10 minutes)

10-1 Remove the lower case assembly. (See procedure 1.)

10-2 Remove the four (4) screws marked [50]. The floppy disk drive assembly can then be removed. (Fig. 2)

10-3 Remove the four (4) screws marked [F40]. The left and right FDD holders can then be removed from the floppy disk drive. (Fig. 3)

11. Keyboard Assembly

(Time required: About 10 minutes)

11-1 Remove the lower case assembly. (See procedure 1.)

11-2 Remove the two (2) screws marked [250B]. The keyboard assembly can then be removed. (Fig. 2)

12. INV Circuit Board

(Time required: About 10 minutes)

⚠ **ATTENTION:** High Voltage

12-1 Remove the lower case assembly. (See procedure 1.)

12-2 Remove the four (4) screws marked [260A]. The INV circuit board can then be removed. (Fig. 2)

13. DM Circuit Board, Shield Cover L and U

(Time required: About 15 minutes)

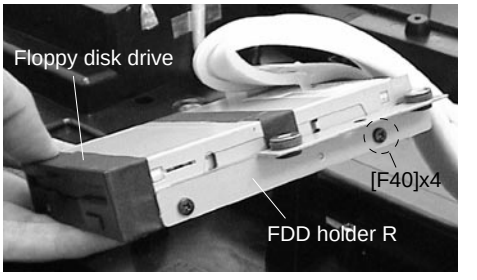
13-1 Remove the lower case assembly. (See procedure 1.)

13-2 Remove the INV circuit board. (See procedure 12.)

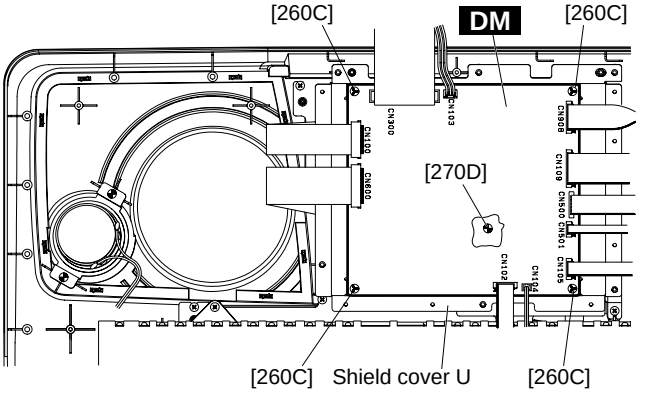
13-3 Remove the eight (8) screws marked [260B] and the five (5) screws marked [270C]. The shield cover L can then be removed. (Fig. 2)

13-4 Remove the four (4) screws marked [260C]. The DM circuit board can then be removed. (Fig. 4)

13-5 Remove the screw marked [270D]. The shield cover U can then be removed. (Fig. 4)



[F40]: Bind Head Tapping Screw 3.0x6 MFZN2BL (EG330360)
(Fig. 3)



[260C]: Bind Head Tapping Screw-B 3.0x6 MFZN2Y (EP600130)
[270D]: Bind Head Tapping Screw-P 3.0x8 MFZN2Y (EP600280)
(Fig. 4)

14. AM Circuit Board

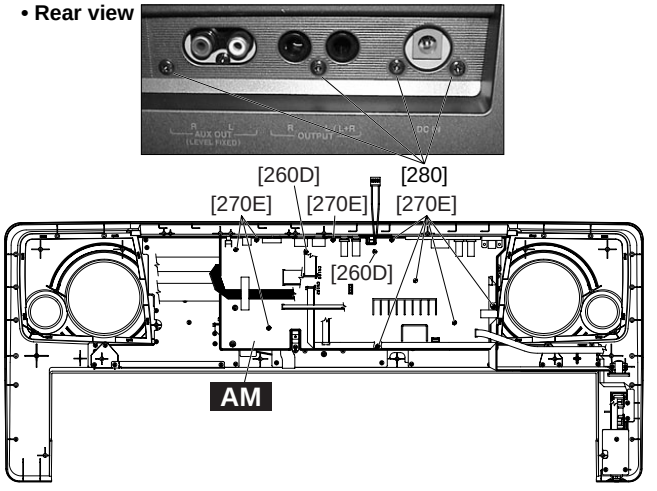
(Time required: About 15 minutes)

14-1 Remove the lower case assembly. (See procedure 1.)

14-2 Remove the INV circuit board. (See procedure 12.)

14-3 Remove the shield cover L, the DM circuit board and the shield cover U. (See procedure 13.)

14-4 Remove the two (2) screws marked [260D], the nine (9) screws marked [270E] and the four (4) screws marked [280]. The AM circuit board can then be removed. (Fig. 5)



[260D]: Bind Head Tapping Screw-B 3.0x6 MFZN2Y (EP600130)
[270E]: Bind Head Tapping Screw-P 3.0x8 MFZN2Y (EP600280)
[280]: Bind Head Tapping Screw-B 3.0x6 MFZN2BL (EP600230)
(Fig. 5)

15. VR, ENC, PN1, PN2, PN3, PN4 Circuit Boards and LCD

15-1 Remove the lower case assembly. (See procedure 1.)

15-2 Remove the INV circuit board. (See procedure 12.)

15-3 Remove the shield cover L, the DM circuit board and the shield cover U. (See procedure 13.)

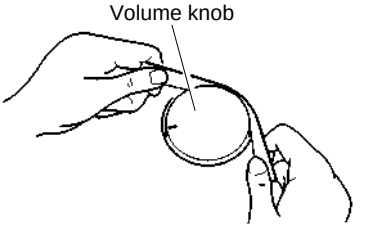
15-4 Remove the AM circuit board. (See procedure 14.)

15-5 VR Circuit Board

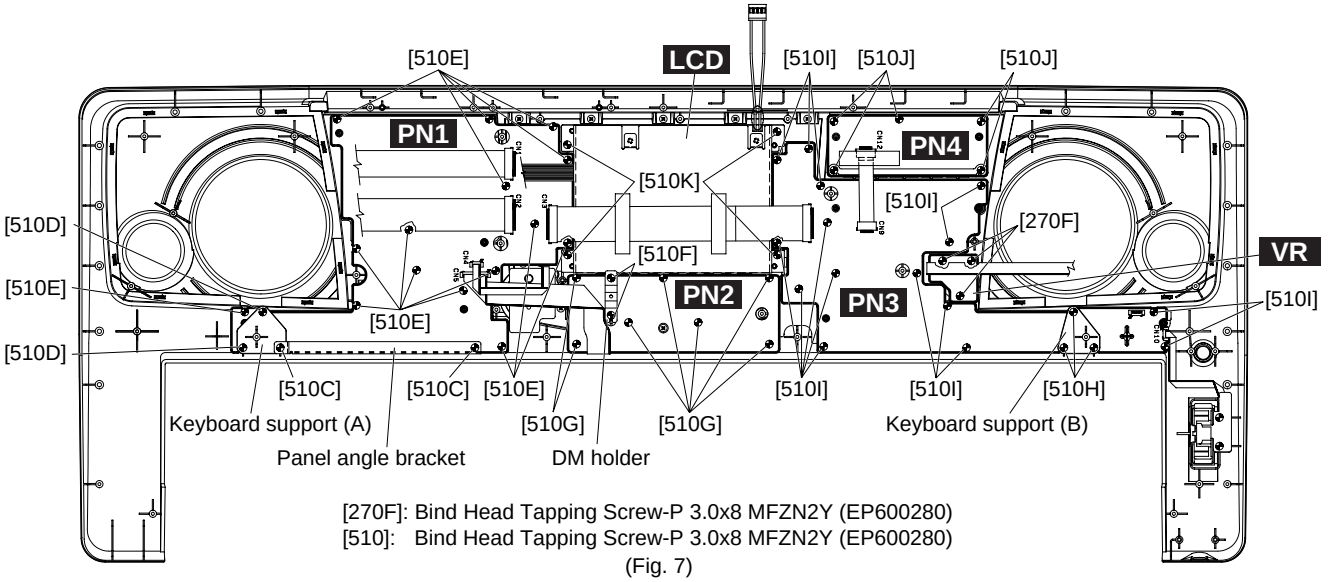
(Time required: About 20 minutes) :

15-5-1 Remove the volume knob from the control panel side. (Fig. 6)

15-5-2 Remove the three (3) screws marked [270F]. The VR circuit board can then be removed. (Fig. 7)



(Fig. 6)

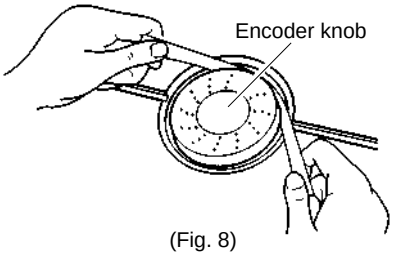


[270F]: Bind Head Tapping Screw-P 3.0x8 MFZN2Y (EP600280)
[510]: Bind Head Tapping Screw-P 3.0x8 MFZN2Y (EP600280)
(Fig. 7)

15-6 ENC Circuit Board
(Time required: About 20 minutes) :

15-6-1 Remove the encoder knob from the control panel side. (Fig. 8)

15-6-2 Remove the hexagonal nut marked [A]. The ENC circuit board can then be removed. (Fig. 9)



(Fig. 8)

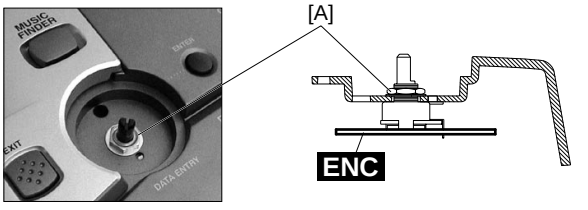
15-7 PN1 Circuit Board
(Time required: About 25 minutes) :

15-7-1 Remove the keyboard assembly. (See procedure 11.)

15-7-2 Remove the two (2) screws marked [510C]. The panel angle blacket can then be removed. (Fig. 7)

15-7-3 Remove the two (2) screws marked [510D]. The keyboard support (A) can then be removed. (Fig. 7)

15-7-4 Remove the fifteen (15) screws marked [510E]. The PN1 circuit board can then be removed. (Fig. 7)



(Fig. 9)

15-8 PN2 Circuit Board
(Time required: About 25 minutes) :

15-8-1 Remove the keyboard assembly. (See procedure 11.)

15-8-2 Remove the two (2) screws marked [510F]. The DM holder can then be removed. (Fig. 7)

15-8-3 Remove the seven (7) screws marked [510G]. The PN2 circuit board can then be removed. (Fig. 7)

15-9 PN3 Circuit board
(Time required: About 25 minutes) :

15-9-1 Remove the keyboard assembly. (See procedure 11.)

15-9-2 Remove the three (3) screws marked [510H]. The keyboard support (B) can then be removed. (Fig. 7)

15-9-3 Remove the fifteen (15) screws marked [510I]. The PN3 circuit board can then be removed. (Fig. 7)

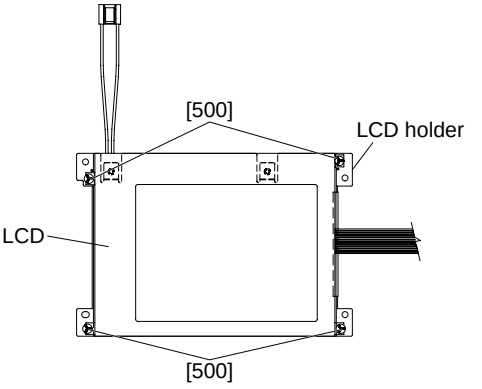
15-10 PN4 Circuit board
(Time required: About 20 minutes) :

15-10-1 Remove the five (5) screws marked [510J]. The PN4 circuit board can then be removed. (Fig. 7)

15-11 LCD (Time required: About 20 minutes) :

15-11-1 Remove the four (4) screws marked [510K]. The LCD can then be removed with the LCD holder. (Fig. 7)

15-11-2 Remove the four (4) screws marked [500]. The LCD holder can then be removed from the LCD. (Fig. 10)



[500]: Bind Head Tapping Screw-B 3.0x6 MFZN2Y (EP600130)

(Fig. 10)

16. Disassembling the Keyboard Assembly

16-1 Remove the Keyboard assembly. (See procedure 11.)

16-2 Remove the two (2) screws marked [30]. The MKS5F circuit board can then be removed. (Fig. 2)

* Be sure to make a correct match when connecting MKS5F (CN1) and DM (CN102).
Connecting the connectors in the wrong way around may cause damage to the MKS5F circuit board.

16-3 Remove the MK-L and MK-H circuit board while pressing the fifteen (15)hooks A inward, and then remove the rubber contact. (Fig. 11)

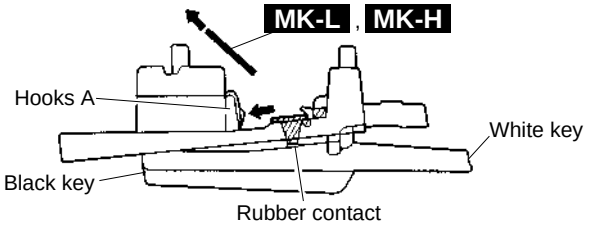
16-4 Remove the twenty-one (21) screws marked [140], then removw the black keys from the lower notes. Afterwards, remove the white keys DFA and C' and then remove the white keys CEGB from the higer notes. At this time, lift the keys from the front and slide them towards you. The keys can then be removed from the assembly. (Fig. 12)

17. Assembling the Keyboard Assembly

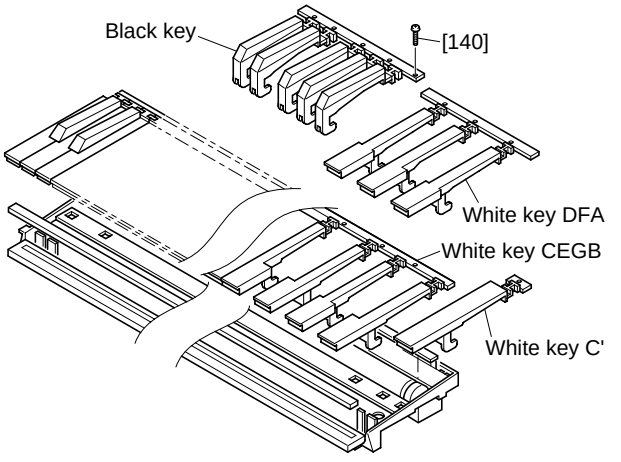
17-1 Install the white keys CEGB from the lower notes, and then install the DFA keys and C' key. Afterwards install the black keys from the higher notes, and tighten the twenty-one (21) screws marked [140]. (Fig. 12)

17-2 Install the rubber contacts in the assembly while pressing the keys as shown in Figure13. Check that the rubber contact has been firmly placed into position in the area indicated by the arrow in Figure 14. When fitting the rubber contacts, raise both ends of the frame so that keys do not push the rubber contact up.

17-3 Install the MK-L and MK-H circuit boards in the assembly so that the hooks B hold it as shown in Figure 15.

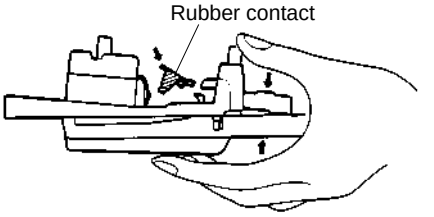


(Fig. 11)

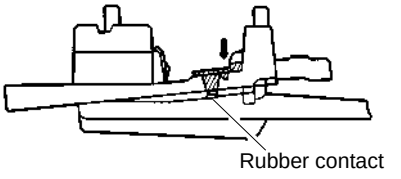


[140]: Bind Head Tapping Screw-P 3.0x16 MFZN2BL (VB205200)
[140]: Bind Head Tapping Screw-P 3.0x16 MFZN2B (VS756700)

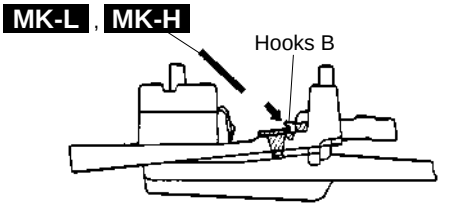
(Fig. 12)



(Fig. 13)



(Fig. 14)



(Fig. 15)

■ LSI PIN DESCRIPTION

HD63266F (XI939A00) FDC 13
AK5351-VF-E2 (XV510A00) ADC 13
HD6417709F80B (XV250B00) CPU 14
TC203C760HF-002 (XS725A00) SWP30B 15
HG73C205AFD (XU947C00) SWX00B 16
YSS236-F (XT013A00) VOP3 17
µPD789022GB-A15-8E (XZ560100) CPU KBS 18
S1D13305F00B100 (XQ595A00) LCDC 18
AD1854JRSRL (XY782A00) DAC 19

● **HD63266F** (XI939A00) **FDC** (Floppy Disk Controller)

DM: IC300

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	8"//5"	I	Data transmission speed	33	/TRKO	I	Track 00 signal
2	XTALSET	I	Clock select	34	/INDEX	I	Index signal
3	/RESET	I	Rest	35	/RDATA	I	Read data input from FDD
4	E//RD	I	Enable/Read	36	XTAL2		Clock
5	RW//WR	I	Read/write/Write	37	EXTAL2		
6	/CS	I	Chip select	38	NC		
7	/DACK	I	DMA acknowledge	39	XTAL1		Clock
8	RS0	I	Register select	40	EXTAL1		
9	RS1	I		41	VSS4		Ground
10	VSS1		Ground	42	VSS5		
11	VSS2			43	NC		
12	D0	I/O	Data bus	44	VCC2		Power supply
13	D1	I/O		45	VCC3		
14	D2	I/O		46	VCC4		
15	D3	I/O		47	/WGATE	O	Write control
16	D4	I/O		48	/WDATA	O	Writ data to FDD
17	D5	I/O		49	VSS6		Ground
18	D6	I/O		50	/STEP	O	Step signal to control head of FDD
19	D7	I/O		51	/HDIR	O	Direction
20	/DREQ	O	DMA request	52	/HLOAD	O	Head load
21	/IRQ	O	Interrupt request	53	/HSEL	O	Head select
22	/DEND	I	Data end	54	VSS7		Ground
23	VSS3		Ground	55	/DS0	O	Drive select
24	1/2 EX1			56	/DS1	O	
25	VCC1		Power supply	57	/DS2	O	
26	NUM1	I		58	/DS3	O	
27	NUM3	I		59	VSS8		Ground
28	IFS	I	Host interface select	60	/MON0	O	Motor on
29	SFORM	I	Format data	61	/MON1	O	
30	/INP	I	Index pulse	62	/MON2	O	
31	/READY	I	Ready from FDD	63	/MON3	O	
32	/WPRT	I	Write control signal	64	VSS9		Ground

● **AK5351-VF-E2** (XV510A00) **ADC** (Analog to Digital Converter)

DM: IC800 (PSR-2000)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	AINR+	I	Analog signal input (R channel +)	13	DGND	-	Digital ground
2	AINR-	I	Analog signal input (R channel -)	14	TST4	I/O	Test mode setting 4
3	VREF	O	Reference voltage	15	AMODE2		Interface clock select 2
4	VA	-	Analog power supply	16	/PD	I	Power-down mode
5	AGND	-	Analog ground	17	MCLK	I	Master clock input
6	AINL+	I	Analog signal input (L channel +)	18	SCLK	I/O	Serial data clock
7	AINL-	I	Analog signal input (L channel -)	19	LRCK	I	Input/Output channel clock
8	TST1	I/O	Test mode setting 1	20	FSYNC	I/O	Frame synch. clock
9	HPFE		HPF on/off	21	SDATA	O	Serial data output
10	TST2	I/O	Test mode setting 2	22	CMODE	I	Master clock select
11	TST3	I/O	Test mode setting 3	23	SMODE1	I	Interface clock select 1
12	VD	-	Digital power supply	24	VB	-	Digital power supply

● HD6417709F80B (XV250B00) CPU

DM: IC100

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	MD1	I	System clock	105	CKE/PTK[5]	I/O	CK enable (SDRAM)/ I/O port K
2	MD2	I		106	RAS3L/PTJ[0]	I/O	RAS/ I/O port J
3	Vcc (RTC)	-	Power supply (3.3 V)	107	RAS2L/PTJ[1]	I/O	RAS/ I/O port J
4	XTAL2	I	Clock	108	CASLL/CAS/PTJ[2]	I/O	CAS (DRAM)/CAS (SDRAM)/ I/O port J
5	EXTAL2	O	Clock	109	Vss	-	Ground (0 V)
6	Vss (RTC)	-	Ground (0 V)	110	CASLH/PTJ[3]	I/O	CAS (DRAM)/ I/O port J
7	NMI	I	Interrupt request	111	Vcc	-	Power supply (3.3 V)
8	IRQ0/IRL0/PTH[0]	I	Interrupt request	112	CASHL/PTJ[4]	I/O	CAS (DRAM)/ I/O port J
9	IRQ1/IRL1/PTH[1]	I		113	CASHH/PTJ[5]	I/O	CAS (DRAM)/ I/O port J
10	IRQ2/IRL2/PTH[2]	I		114	DACK0/PTD[5]	I/O	DMAC/ I/O port D
11	IRQ3/IRL3/PTH[3]	I		115	DACK1/PTD[7]	I/O	DMAC/ I/O port D
12	IRQ4/PTH[4]	I		116	CAS2L/PTE[6]	I/O	CAS (DRAM)/ I/O port E
13	D31/PTB[7]	I/O	Data bus/ I/O port B	117	CAS2H/PTE[3]	I/O	CAS (DRAM)/ I/O port E
14	D30/PTB[6]	I/O		118	RAS3U/PTE[2]	I/O	RAS/ I/O port E
15	D29/PTB[5]	I/O		119	RAS2U/PTE[1]	I/O	RAS/ I/O port E
16	D28/PTB[4]	I/O		120	PTE[0]	I/O	I/O port E
17	D27/PTB[3]	I/O		121	BACK	O	System clock
18	D26/PTB[2]	I/O		122	BREQ	I	System clock
19	Vss	-	Ground (0 V)	123	WAIT	I	Bus control
20	D25/PTB[1]	I/O	Interrupt request	124	RESETM	I	Reset
21	Vcc	-	Power supply (3.3 V)	125	PTH[5]/ADTRG	I	I/O port H/Analog
22	D24/PTB[0]	I/O	Data bus/ I/O port B	126	IOIS16/PTG[7]	I	Right protect/Input port G
23	D23/PTA[7]	I/O	Data bus/ I/O port A	127	PTG[6]	I	I/O port G
24	D22/PTA[6]	I/O		128	PTG[5]	I	
25	D21/PTA[5]	I/O		129	PTG[4]	I	
26	D20/PTA[4]	I/O		130	PTG[3]	I	
27	Vss	-	Ground (0 V)	131	PTG[2]	I	
28	D19/PTA[3]	I/O	Data bus/ I/O port A	132	Vss	-	Ground (0 V)
29	Vcc	-	Power supply (3.3 V)	133	PTG[1]	I	I/O port G
30	D18/PTA[2]	I/O	Data bus/ I/O port A	134	Vcc	-	Power supply (3.3 V)
31	D17/PTA[1]	I/O		135	PTG[0]	I	I/O port G
32	D16/PTA[0]	I/O		136	PTF[7]/PINT[15]	I	I/O port F/Port Interrupt request
33	Vss	-	Ground (0 V)	137	PTF[6]/PINT[14]	I	
34	D15	I/O	Data bus	138	PTF[5]/PINT[13]	I	
35	Vcc	-	Power supply (3.3 V)	139	PTF[4]/PINT[12]	I	
36	D14	I/O	Data bus	140	PTF[3]/PINT[11]	I	
37	D13	I/O		141	PTF[2]/PINT[10]	I	
38	D12	I/O		142	PTF[1]/PINT[9]	I	
39	D11	I/O		143	PTF[0]/PINT[8]	I	
40	D10	I/O		144	MD0	I	System clock
41	D9	I/O		145	Vcc (PLL1)	-	Power supply (3.3 V)
42	D8	I/O		146	CAP1	-	Clock
43	D7	I/O		147	Vss (PLL1)	-	Ground (0 V)
44	D6	I/O		148	Vss (PLL2)	-	Ground (0 V)
45	Vss	-	Ground (0 V)	149	CAP2	-	Clock
46	D5	I/O	Data bus	150	Vcc (PLL2)	-	Power supply (3.3 V)
47	Vcc	-	Power supply (3.3 V)	151	PTH[6]	I	I/O port H
48	D4	I/O	Data bus	152	Vss	-	Ground (0 V)
49	D3	I/O		153	Vss	-	Ground (0 V)
50	D2	I/O		154	Vcc	-	Power supply (3.3 V)
51	D1	I/O		155	XTAL	O	Clock
52	D0	I/O		156	EXTAL	I	Clock
53	A0	O	Address bus	157	STATUS[0]/PTJ[6]	I/O	System clock
54	A1	O		158	STATUS[1]/PTJ[7]	I/O	
55	A2	O		159	TCLK/PTH[7]	I/O	Timer
56	A3	O		160	IRQOUT	O	Interrupt request
57	Vss	-	Ground (0 V)	161	Vss	-	Ground (0 V)
58	A4	O	Address bus	162	CKIO	I/O	Clock
59	Vcc	-	Power supply (3.3 V)	163	Vcc	-	Power supply (3.3 V)
60	A5	O	Address bus	164	TxD0/SCPT[0]		
61	A6	O		165	SCK0/SCPT[1]		
62	A7	O		166	TxD1/SCPT[2]	O	Forward data/Output port for SCI
63	A8	O		167	SCK1/SCPT[3]	I/O	Serial clock/ I/O port for SCI
64	A9	O		168	TxD2/SCPT[4]	O	Forward data/Output port for SCI
65	A10	O		169	SCK2/SCPT[5]	I/O	Serial clock/ I/O port for SCI
66	A11	O		170	RTS2/SCPT[6]	I/O	Transmit request/ I/O port for SCI
67	A12	O		171	RxD0/SCPT[0]		
68	A13	O		172	RxD1/SCPT[2]	I	Reception data/Input port for SCI
69	Vss	-	Ground (0 V)	173	Vss	-	Ground (0 V)
70	A14	O	Address bus	174	RxD2/SCPT[4]	I	Reception data/Input port for SCI
71	Vcc	-	Power supply (3.3 V)	175	Vcc	-	Power supply (3.3 V)
72	A15	O	Address bus	176	CTS2/IRQ5/SCPT[7]	I	Transmit clear/Interrupt request/Input port for SCI
73	A16	O		177	PTC[7]/PINT[7]	I/O	I/O port C/Interrupt request
74	A17	O		178	PTC[6]/PINT[6]	I/O	
75	A18	O		179	PTC[5]/PINT[5]	I/O	
76	A19	O		180	PTC[4]/PINT[4]	I/O	
77	A20	O		181	Vss	-	Ground (0 V)
78	A21	O		182	WAKEUP/PTD[3]	I/O	Interrupt request/ I/O port D
79	Vss	-	Ground (0 V)	183	Vcc	-	Power supply (3.3 V)
80	A22	O	Address bus	184	PTD[2]/RESETOUT	I/O	I/O port D/Reset
81	Vcc	-	Power supply (3.3 V)	185	PTC[3]/PINT[3]	I/O	I/O port C/Interrupt request
82	A23	O	Address bus	186	PTC[2]/PINT[2]	I/O	
83	Vss	-	Ground (0 V)	187	PTC[1]/PINT[1]	I/O	
84	A24	O	Address bus	188	PTC[0]/PINT[0]	I/O	
85	Vcc	-	Power supply (3.3 V)	189	DRAK0/PTD[1]	I/O	DMA request/ I/O port D
86	A25	O	Address bus	190	DRAK1/PTD[0]	I/O	DMA request/ I/O port D
87	BS/PTK[4]	I/O	Bus control/ I/O port K	191	DREQ0/PTD[4]	I	DMA request/ I/O port D
88	RD	O	Read strobe	192	DREQ1/PTD[6]	I	DMA request/ I/O port D
89	WE0/DQMLL	O	Select signal/DQM (SDRAM)	193	RESETP	I	System clock
90	WE1/DQMLU/WE	O	Select signal/DQM (SDRAM)/PCMCIA WE	194	CA	I	System clock
91	WE2/DQMUL/ICIORD/PTK[6]	I/O	Select signal/DQM (SDRAM)/PCMCIA I/O read/ I/O port K	195	MD3	I	System clock
92	WE3/DQMUU/ICIOWR/PTK[7]	I/O	Select signal/DQM (SDRAM)/PCMCIA I/O write/ I/O port K	196	MD4	I	System clock
93	RD/WR	O	Read/Write signal	197	MD5	I	System clock
94	PTE[7]	I/O	I/O port E	198	AVss	-	Analog ground (0 V)
95	Vss	-	Ground (0 V)	199	AN[0]/PTL[0]	I	A/D change input/Input port L
96	CS0	O	Chip select	200	AN[1]/PTL[1]	I	
97	Vcc	-	Power supply (3.3 V)	201	AN[2]/PTL[2]	I	
98	CS2/PTK[0]	I/O	Chip select/ I/O port K	202	AN[3]/PTL[3]	I	
99	CS3/PTK[1]	I/O	Chip select/ I/O port K	203	AN[4]/PTL[4]	I	
100	CS4/PTK[2]	I/O	Chip select/ I/O port K	204	AN[5]/PTL[5]	I	
101	CS5/CE1A/PTK[3]	I/O	Chip select/CE1/ I/O port K	205	AVcc	-	Analog power supply (3.3 V)
102	CS6/CE1B	O	Chip select/CE1	206	AN[6]/DA[1]/PTL[6]	I/O	A/D change input/D/A change output/Input port L
103	CE2A/PTE[4]	I/O	Chip enable/ I/O port E	207	AN[7]/DA[0]/PTL[7]	I/O	
104	CE2B/PTE[5]	I/O	Chip enable/ I/O port E	208	AVss	-	Analog ground (0 V)

● **TC203C760HF-002** (XS725A00) **SWP30B** (AWM Tone Generator coped with MEG) Standard Wave Processor

DM: IC400 (PSR-2000 only)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	Vss		(Ground)	121	VSS		(Ground)
2	CA0	I	Address bus of internal register	122	HMD0	I/O	Wave memory data bus (Upper data memory)
3	CA1	I		123	HMD1	I/O	
4	CA2	I		124	HMD2	I/O	
5	CA3	I		125	HMD3	I/O	
6	CA4	I		126	HMD4	I/O	
7	CA5	I		127	HMD5	I/O	
8	CA6	I		128	HMD6	I/O	
9	CA7	I		129	HMD7	I/O	
10	CA8	I		130	HMD8	I/O	
11	CA9	I		131	HMD9	I/O	
12	CA10	I		132	HMD10	I/O	
13	CA11	I		133	HMD11	I/O	
14	VSS		(Ground)	134	HMD12	I/O	
15	CD0	I/O	Data bus of internal register	135	HMD13	I/O	
16	CD1	I/O		136	HMD14	I/O	
17	CD2	I/O		137	HMD15	I/O	
18	CD3	I/O		138	VSS		(Ground)
19	CD4	I/O		139	HMA0	O	Wave memory address bus (Upper 16 bits)
20	CD5	I/O		140	HMA1	O	
21	CD6	I/O		141	HMA2	O	
22	CD7	I/O		142	HMA3	O	
23	CD8	I/O		143	HMA4	O	
24	CD9	I/O		144	HMA5	O	
25	CD10	I/O		145	HMA6	O	
26	CD11	I/O		146	HMA7	O	
27	CD12	I/O		147	HMA8	O	
28	CD13	I/O		148	HMA9	O	
29	CD14	I/O		149	HMA10	O	
30	VDD		(Power supply)	150	VSS		(Ground)
31	VSS		(Ground)	151	VDD		(Power supply)
32	CD15	I/O		152	HMA11	O	
33	CSN	I	Chip select	153	HMA12	O	
34	WRN	I	Write strobe	154	HMA13	O	
35	RDN	I	Read strobe	155	HMA14	O	
36	VDD		(Power supply)	156	HMA15	O	
37	SYSH0	O	NSYS/LNSYS upper 16 bits	157	HMA16	O	
38	SYSH1	O		158	HMA17	O	
39	SYSH2	O		159	HMA18	O	
40	SYSH3	O		160	HMA19	O	
41	SYSH4	O		161	HMA20	O	
42	SYSH5	O		162	HMA21	O	
43	SYSH6	O		163	HMA22	O	
44	SYSH7	O		164	HMA23	O	
45	KONO0	O	Key on data	165	HMA24	O	
46	KONO1	O		166	VSS		(Ground)
47	KONO2	O		167	MRASN	O	RAS when DRAM(s) is connected to wave memory
48	KONO3	O		168	MCASN	O	CAS when DRAM(s) is connected to wave memory
49	VSS		(Ground)	169	MOEN	O	Wave memory output enable
50	SYSL0	I/O	NSYS input/LNSYS output lower 8 bits	170	MWEN	O	Wave memory write enable
51	SYSL1	I/O		171	VSS		(Ground)
52	SYSL2	I/O		172	LMD0	I/O	Wave memory data bus (Lower data memory)
53	SYSL3	I/O		173	LMD1	I/O	
54	SYSL4	I/O		174	LMD2	I/O	
55	SYSL5	I/O		175	LMD3	I/O	
56	SYSL6	I/O		176	LMD4	I/O	
57	SYSL7	I/O		177	LMD5	I/O	
58	KONI0	I	Key on data input (Power supply) (Ground)	178	LMD6	I/O	
59	KONI1	I		179	LMD7	I/O	
60	VDD	I		180	VDD		(Power supply)
61	VSS			181	VSS		(Ground)
62	KONI2	I		182	LMD8	I/O	
63	KONI3	I		183	LMD9	I/O	
64	DAC0	O	DAC output	184	LMD10	I/O	
65	DAC1	O		185	LMD11	I/O	
66	WCLK	O	DAC0/DAC1 word clock	186	LMD12	I/O	
67	MELO0	O	MEL wave data output	187	LMD13	I/O	
68	MELO1	O		188	LMD14	I/O	
69	MELO2	O		189	LMD15	I/O	
70	MELO3	O		190	VSS		(Ground)
71	MELO4	O		191	LMA0	O	Wave memory address bus (Lower data memory)
72	MELO5	O		192	LMA1	O	
73	MELO6	O		193	LMA2	O	
74	MELO7	O		194	LMA3	O	
75	VDD		(Power supply)	195	LMA4	O	
76	ADLR	O	ADC word clock	196	LMA5	O	
77	MELI0	I	MEL wave data input	197	LMA6	O	
78	MELI1	I		198	LMA7	O	
79	MELI2	I		199	LMA8	O	
80	MELI3	I		200	LMA9	O	
81	MELI4	I		201	LMA10	O	
82	MELI5	I		202	LMA11	O	
83	MELI6	I		203	VSS		(Ground)
84	MELI7	I		204	LMA12	O	
85	VSS		(Ground)	205	LMA13	O	
86	RCASN	O	DRAM column address strobe	206	LMA14	O	
87	RA8	O	DRAM address bus	207	LMA15	O	
88	RA7	O		208	LMA16	O	
89	RA6	O		209	LMA17	O	
90	VDD		(Power supply)	210	VDD		(Power supply)
91	VSS		(Ground)	211	VSS		(Ground)
92	RA5	O		212	LMA18	O	
93	RA4	O		213	LMA19	O	
94	RA3	O		214	LMA20	O	
95	RA2	O		215	LMA21	O	
96	RA1	O		216	LMA22	O	
97	RA0	O		217	LMA23	O	
98	RRASN	O	DRAM row address strobe	218	LMA24	O	
99	RWEN	O	DARM write enable	219	VSS		(Ground)
100	VSS		(Ground)	220	SYO	O	Sync. signal for master clock
101	RD7	I/O	DRAM data bus	221	SYOD	O	Sync. signal for HCLK/QCLK
102	RD6	I/O		222	QCLK	O	1/12 master clock (64 Fs)
103	RD5	I/O		223	HCLK	O	1/6 master clock (128 Fs)
104	RD4	I/O		224	CK256	O	1/3 master clock (256 Fs)
105	RD3	I/O		225	SYSCLK	O	1/2 master clock (384 Fs)
106	RD2	I/O		226	VDD		(Power supply)
107	RD1	I/O		227	SYI	I	Sync. clock
108	RD0	I/O		228	MCLKI	I	Master clock input
109	VSS		(Ground)	229	MCLKO	O	Master clock output
110	RD17	I/O		230	VDD		(Power supply)
111	RD16	I/O		231	XIN	I	Crystal osc. input
112	RD15	I/O		232	XOUT	O	Crystal osc. output
113	RD14	I/O		233	VSS		(Ground)
114	RD13	I/O		234	ICN	I	Initial clear
115	RD12	I/O		235	CHIP2	I	2 chips mode enable
116	RD11	I/O		236	SLAVE	I	Master/Slave select when 2 chips mode
117	RD10	I/O		237	TESTON	I	Test pin
118	RD9	I/O		238	ACIN	I	
119	RD8	I/O		239	DCTEST	I	
120	VDD		(Power supply)	240	VDD		(Power supply)

● **HG73C205AFD** (XU947C00) **SWX00B** (Tone Generator)

DM: IC801 (PSR-1000)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	ICN	I	Initial clear	85	CMA3	O	Program address bus
2	RFCLKI	I	PLL Clock	86	CMA8	O	Program address bus
3	TM2	I	PLL Control	87	CMA2	O	Program address bus
4	AVDD_PLL		Power supply	88	CRD	O	read signal
5	AVSS_PLL		Ground	89	CMA1	O	Program address bus
6	MODE0	I	SWX dual mode	90	CUB	O	high byte effective signal
7	VCC7		Power supply	91	VCC91		Power supply
8	GND8		Ground	92	GHND92		Ground
9	XIN	I	crystal oscillator	93	CS1	O	CS signal
10	XOUT	O	crystal oscillator	94	CMA0	O	Program address bus
11	MODE1	I	SWX separate mode	95	CLB	O	low byte effective signal
12	TEST0	I	TEST pin	96	CMA12	O	Program address bus
13	TESTON	I	TEST pin	97	CMA11	O	Program address bus
14	AN0-P40	I	A/D converter	98	CMA10	O	Program address bus
15	AN1-P41	I	A/D converter	99	CMA9	O	Program address bus
16	AN2-P42	I	A/D converter	100	GND100		Ground
17	AN3-P43	I	A/D converter	101	CWE	O	write signal
18	AVDD_AN		Power supply	102	CMA16	O	Program address bus
19	AVSS_AN		Ground	103	CMA15	O	Program address bus
20	TXD0	O	for MIDI or TO-HOST	104	CMA14	O	Program address bus
21	TXD1	O	for MIDI	105	CMA13	O	Program address bus
22	EXCLK	I	Crystal oscillator	106	CMD8	I/O	Program memory Data bus
23	SMD11	I/O	Wave memory data bus	107	CMD7	I/O	Program memory Data bus
24	SMD4	I/O	Wave memory data bus	108	CMD9	I/O	Program memory Data bus
25	SMD3	I/O	Wave memory data bus	109	CMD6	I/O	Program memory Data bus
26	SMD12	I/O	Wave memory data bus	110	CMD10	I/O	Program memory Data bus
27	SMD10	I/O	Wave memory data bus	111	CMD5	I/O	Program memory Data bus
28	SMD5	I/O	Wave memory data bus	112	CMD11	I/O	Program memory Data bus
29	SMD2	I/O	Wave memory data bus	113	CMD4	I/O	Program memory Data bus
30	SMD13	I/O	Wave memory data bus	114	CMD12	I/O	Program memory Data bus
31	SMD9	I/O	Wave memory data bus	115	CMD3	I/O	Program memory Data bus
32	SMD6	I/O	Wave memory data bus	116	CMD13	I/O	Program memory Data bus
33	SMD1	I/O	Wave memory data bus	117	CMD2	I/O	Program memory Data bus
34	SMD14	I/O	Wave memory data bus	118	CMD14	I/O	Program memory Data bus
35	VCC35		Power supply	119	VCC119		Power supply
36	GND36		Ground	120	GND115		Ground
37	SMD8	I/O	Wave memory data bus	121	CMD1	I/O	Program memory Data bus
38	SMD7	I/O	Wave memory data bus	122	CMD15	I/O	Program memory Data bus
39	SMD0	I/O	Wave memory data bus	123	CMD0	I/O	Program memory Data bus
40	SMD15	I/O	Wave memory data bus	124	CMA21	O	Program address bus
41	SOE	O	read signal	125	PDT15	I/O	SWX access data bus
42	SWE	O	write signal	126	PDT14	I/O	SWX access data bus
43	SRAS	O	RAS signal	127	PDT13	I/O	SWX access data bus
44	SCAS	O	CAS signal	128	PDT12	I/O	SWX access data bus
45	REFRESH	O	REFRESH signal	129	PDT11	I/O	SWX access data bus
46	CS0	O	CS signal	130	PDT10	I/O	SWX access data bus
47	SMA0	O	Memory address bus	131	PDT9	I/O	SWX access data bus
48	SMA16	O	Memory address bus	132	PDT8	I/O	SWX access data bus
49	VCC49		Power supply	133	VCC133		Power supply
50	GND50		Ground	134	GND134		Ground
51	SMA1	O	Memory address bus	135	PDT7	I/O	SWX access data bus
52	SMA15	O	Memory address bus	136	PDT6	I/O	SWX access data bus
53	SMA2	O	Memory address bus	137	PDT5	I/O	SWX access data bus
54	SMA14	O	Memory address bus	138	PDT4	I/O	SWX access data bus
55	SMA3	O	Memory address bus	139	PDT3	I/O	SWX access data bus
56	SMA13	O	Memory address bus	140	PDT2	I/O	SWX access data bus
57	SMA4	O	Memory address bus	141	PDT1	I/O	SWX access data bus
58	SMA12	O	Memory address bus	142	PDT0	I/O	SWX access data bus
59	SMA5	O	Memory address bus	143	VCA143		Power supply
60	GND60		Ground	144	GND144		Ground
61	VCC61		Power supply	145	PAD2	I	SWX access address bus
62	SMA11	O	Memory address bus	146	PAD1	I	SWX access address bus
63	SMA6	O	Memory address bus	147	PAD0	I	SWX access address bus
64	SMA10	O	Memory address bus	148	VCC148		Power supply
65	SMA7	O	Memory address bus	149	GND149		Ground
66	SMA9	O	Memory address bus	150	PCS	I	Chip select
67	SMA17	O	Memory address bus	151	PWR	I	write enable
68	SMA8	O	Memory address bus	152	PRD	I	read enable
69	SMA18	O	Memory address bus	153	RXD0	I	for Midi or TO-HOST
70	SMA19	O	Memory address bus	154	RXD1	I	for Midi or Key scan
71	SMA20	O	Memory address bus	155	SCLKI	I	EXT Clock
72	SMA21	O	Memory address bus	156	ADIN	I	A/D converter
73	SMA22	O	Memory address bus	157	ADLR	O	A/D converter LR clock
74	SMA23	O	Memory address bus	158	DO0	O	DAC
75	CMA20	O	Program address bus	159	DO1	O	DAC
76	CMA19	O	Program address bus	160	SYSCLK	O	1/2 clock
77	VCC77		Power supply	161	VCC161		Power supply
78	GND78	O	Ground	162	GND162		Ground
79	CMA18	O	Program address bus	163	WCLK	O	for DAC LR clock
80	CMA17	O	Program address bus	164	QCLK	O	1/12 clock
81	CMA5	O	Program address bus	165	BCLK	O	IIS-DAC clock
82	CMA6	O	Program address bus	166	SYI	I	Synch signal
83	CMA4	O	Program address bus	167	IRQ0	I	Interrupt request
84	CMA7	O	Program address bus	168	NMI	I	Interrupt request

● **YSS236-F** (XT013A00) **VOP3**

DM: IC401 (PSR-2000 only)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	VSS		Power supply	81	SO7	O	
2	WA17	O		82	SO6	O	Serial output
3	WA16	O		83	SO5	O	
4	WA15	O		84	VDD		Ground
5	WA14	O		85	VSS		Power supply
6	WA13	O	External memory address bus	86	SO4	O	
7	WA12	O		87	SO3	O	
8	WA11	O		88	SO2	O	Serial output
9	WA10			89	SO1	O	
10	VDD		Ground	90	SO0	O	
11	VSS		Power supply	91	WDCK	O	Data enable for DAC
12	WA09	O		92	SWPKON	O	SWP00 format key on output
13	WA08	O		93	IRQN	O	EG interrupt
14	WA07	O		94	VDD		Ground
15	WA06	O		95	VSS		Power supply
16	WA05	O	External memory address bus	96	XTAL_I	I	Quartz crystal terminal
17	WA04	O		97	XTAL_O	O	Quartz crystal terminal
18	WA03	O		98	MCLK	O	Oscillate clock output
19	WA02	O		99	VDD		Ground
20	VDD		Ground	100	VSS		Power supply
21	VSS		Power supply	101	MICN	I	Initial clear
22	WA01	O	External memory address bus	102	CLKIN	I	Master clock input
23	WA00	O		103	SYWIN	I	Sync.signal input
24	WEN	O	External memory control (WEN)	104	SYW	O	Sync.signal output
25	OEN	O	External memory control (OEN)	105	SYWD	O	Sync.signal output
26	RASN	O	External memory control (RASN)	106	VDD		Ground
27	CASN	O	External memory control (CASN)	107	VSS		Power supply
28	CEN	O	External memory control (CEN)	108	CLKO	O	For test (512 fs output)
29	VDD		Ground	109	WCLK	O	2 times sync.clock output (256 fs)
30	VSS		Power supply	110	HCLK	O	4 times sync.clock output (128 fs)
31	WD19	I/O		111	QCLK	O	8 times sync.clock output (64 fs)
32	WD18	I/O		112	TSTCI	I	PLL test input
33	WD17	I/O	External memory data bus	113	VDD		Ground
34	WD16	I/O		114	VSS		Power supply
35	WD15	I/O		115	(NC)		
36	WD14	I/O		116	VDD(PLL)		
37	VDD		Ground	117	CPO	O	PLL control output
38	VSS		Power supply	118	CPIN	I	PLL control input
39	WD13	I/O		119	REF	I	PLL control input
40	WD12	I/O		120	VSS(PLL)		
41	WD11	I/O		121	(NC)		
42	WD10	I/O	External memory data bus	122	VDD		Ground
43	WD09	I/O		123	VSS		Power supply
44	WD08	I/O		124	TSTCS	I	PLL test input
45	WD07	I/O		125	CA6	I	
46	VDD		Ground	126	CA5	I	CPU address bus
47	VSS		Power supply	127	CA4	I	
48	WD06	I/O		128	CA3	I	
49	WD05	I/O		129	CA2	I	
50	WD04	I/O		130	VDD		Ground
51	WD03	I/O	External memory data bus	131	VSS		Power supply
52	WD02	I/O		132	CA1	I	CPU address bus
53	WD01	I/O		133	CA0	I	Lo/Hi select in 8 bits write
54	WD00	I/O		134	CSN	I	Chip select
55	VDD		Ground	135	RDN	I	Register read
56	VSS		Power supply	136	WRN	I	Register write
57	TST2	O		137	BTYP		Data bus type select
58	TST1	O	Test output	138	VDD		Ground
59	TST0	O		139	VSS		Power supply
60	MS	I	Memory select	140	CD15	I/O	
61	LRCLK	O	LR clock for ADC	141	CD14	I/O	
62	SI7	I	Serial input	142	CD13	I/O	CPU data bus
63	SI6	I		143	CD12	I/O	
64	VDD		Ground	144	CD11	I/O	
65	VSS		Power supply	145	VDD		Ground
66	SI5	I		146	VSS		Power supply
67	SI4	I		147	CD10	I/O	
68	SI3	I	Serial input	148	CD09	I/O	
69	SI2	I		149	CD08	I/O	CPU data bus
70	SI1	I		150	CD07	I/O	
71	SI0	I		151	CD06	I/O	
72	DB1	I	Output bit type select for DAC	152	CD05	I/O	
73	DB0	I		153	VDD		Ground
74	VDD		Ground	154	VSS		Power supply
75	VSS		Power supply	155	CD04	I/O	
76	ODFM	I	Output mode select for DAC	156	CD03	I/O	
77	OFS3	I		157	CD02	I/O	CPU data bus
78	OFS2	I	Serial output format select	158	CD01	I/O	
79	OFS1	I		159	CD00	I/O	
80	OFS0	I		160	VDD		Ground

● **µPD789022GB-A15-8E** (XZ560100) **CPU**

MKS5F: IC1

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	P12	I/O	Port 1	23	P32/INTP2/CPT2	I/O	Port 3/External interrupt input/Capture edge input
2	P11	I/O		24	P31/INTP1	I/O	Port 3/External interrupt input
3	P10	I/O		25	P30/INTP0	I/O	
4	P47/KR7	I/O	Port 4/Key return signal detection input	26	P22/RXD/SI0	I/O	Port 2/Asynchronous serial interface serial data input/Serial interface serial data input
5	P46/KR6	I/O		27	P21/TXD/SO0	I/O	Port 2/Asynchronous serial interface serial data output/Serial interface serial data output
6	P45/KR5	I/O		28	P20/ASCK//SCK0	I/O	Port 2/Asynchronous serial interface serial clock input/Serial interface serial clock
7	P44/KR4	I/O		29	P07	I/O	Port 0
8	P43/KR3	I/O		30	P06	I/O	
9	P42/KR2	I/O		31	P05	I/O	
10	P41/KR1	I/O		32	P04	I/O	
11	P40/KR0	I/O		33	P03	I/O	
12	NC			34	P02	I/O	
13	IC		Internally connected (N.C.)	35	P01	I/O	
14	X2		Clock	36	P00	I/O	
15	X1	I		37	NC		
16	VSS0		Ground	38	VDD1		Power supply
17	VDD0		Power supply	39	VSS1		Ground
18	/RESET	I	System reset	40	P17	I/O	Port 1
19	P53	I/O	Port 5	41	P16	I/O	
20	P52	I/O		42	P15	I/O	
21	P51/TO2	I/O	Port 5/16-bit timer output	43	P14	I/O	
22	P50/TI0/TO0	I/O	Port 5/External count clock input to 8-bit timer/8-bit timer output	44	P13	I/O	

● **S1D13305F00B100** (XQ595A00) **LCDC** (LCD Controller)

DM: IC500

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	VA5	O	VRAM address bus	31	XD2	O	Data bus output for 4 bit dot
2	VA4	O		32	XD1	O	
3	VA3	O		33	XD0	O	
4	VA2	O		34	XECL	O	S driver enable, chain clock
5	VA1	O		35	XSCL	O	Data bus shift clock
6	VA0	O		36	Vss	-	Ground
7	/VWR	O	VRAM read/write	37	LP	O	X driver latch pulse
8	/VCE	O	Memory control	38	WF	O	Frame signal for X/Y driver
9	/VRD	-	Not used	39	YDIS	O	Power down signal for displaying off mode
10	/RES	I	Initial clear	40	YD	O	Scan start signal
11	NC	-	Not used	41	YSCL	O	Scan shift clock
12	NC	-	Not used	42	VD7	I/O	VRAM data bus
13	/RD	I	Read strobe	43	VD6	I/O	
14	/WR	I	Write strobe	44	VD5	I/O	
15	SEL2	I	Bus select	45	VD4	I/O	
16	SEL1	I	Bus select	46	VD3	I/O	
17	OSC1	I	Clock	47	VD2	I/O	
18	OSC2	O	Clock	48	VD1	I/O	
19	/CS	I	Chip select	49	VD0	I/O	
20	A0	I	Data mode select	50	VA15	O	VRAM address bus
21	Vdd	-	Power supply	51	VA14	O	
22	D0	I/O	Data bus	52	VA13	O	
23	D1	I/O		53	VA12	O	
24	D2	I/O		54	VA11	O	
25	D3	I/O		55	VA10	O	
26	D4	I/O		56	VA9	O	
27	D5	I/O		57	VA8	O	
28	D6	I/O		58	VA7	O	
29	D7	I/O		59	VA6	O	
30	XD3	O	Data bus output for 4 bit dot	60	NC	-	Not used

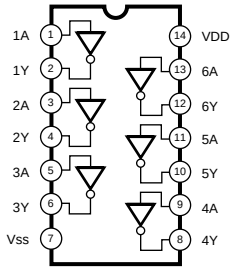
● **AD1854JRSRL** (XY782A00) **DAC** (Digital to Analog Converter)

DM: IC700

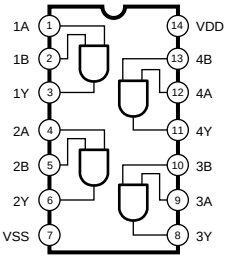
PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	DGND	I	Digital Ground	15	AGND	I	Analog Ground
2	MCLK	I	Master Clock Input. Connect to an external clock source at either 256, 384 or 512 Fs.	16	OUTL-	O	Left Channel Negative line level analog output.
3	CLATCH	I	Latch input for control data. This input is rising-edge sensitive.	17	OUTL+	O	Left Channel Positive line level analog output.
4	CCLK	I	Control clock input for control data. Control input data must be valid on the rising edge of CCLK. CCLK may be continuous or gated.	18	AVDD	I	Analog Power Supply. Connect to analog 5 V supply.
				19	FILTB	O	Filter Capacitor connection, connect 10 µF capacitor to AGND.
5	CDATA	I	Serial control input, MSB first, containing 16 bits of unsigned data per channel. Used for specifying channel-specific attenuation and mute.	20	IDPM1	I	Input serial data port mode control one. With IDPM0, defines one of four serial modes.
6	384//256	I	Selects the master clock mode as either 384 times the intended sample frequency (HI) or 256 times the intended sample frequency (LO). The state of this input should be hardwired to logic HI or logic LO, or may be changed while the AD1854 is in power-down/reset. It must not be changed while the AD1854 is operational.	21	IDPM0	I	Input serial data port mode control zero. With IDPM1, defines one of four serial modes.
				22	ZEROL	O	Left Channel Zero Flag Output. This pin goes HI when Left Channel has no signal input for more than 1024 LR Clock Cycles.
7	X2MCLK	I	Selects internal clock doubler (LO) or internal clock = MCLK (HI).	23	MUTE	I	Mute. Assert HI to mute both stereo analog outputs. Deassert LO for normal operation.
8	ZEROR	O	Right Channel Zero Flag Output. This pin goes HI when Right Channel has no signal input for more than 1024 LR Clock Cycles.	24	/PD//RST	I	/Power-Down//Reset. The AD1854 is placed in a low power consumption mode when this pin is held LO. The AD1854 is reset on the rising edge of this signal. The serial control port registers are reset to the default values. Connect HI for normal operation.
9	DEEMP	I	De-Emphasis. Digital de-emphasis is enabled when this input signal is HI. This is used to impose a 50 µs/15 µs response characteristic on the output audio spectrum at an assumed 44.1 kHz sample rate.	25	L//RCLK	I	Left//Right clock input for input data. Must run continuously.
10	96//48	I	Selects 48 kHz (LO) or 96 kHz Sample Frequency Control.	26	BCLK	I	Bit clock input for input data. Need not run continuously; may be gated or used in a burst fashion.
11	AGND	I	Analog Ground				
12	OUTR+	O	Right Channel Positive line level analog output.				
13	OUTR-	O	Right Channel Negative line level analog output.	27	SDATA	I	Serial input, MSB first, containing two channels of 16, 18, 20, and 24 bits of twos complement data per channel.
14	FILTR	O	Voltage Reference Filter Capacitor Connection. Bypass and decouple the voltage reference with parallel 10 µF and 0.1 µF capacitors to the AGND.	28	DVDD	I	Digital Power Supply Connect to digital 5 V supply.

■ IC BLOCK DIAGRAM

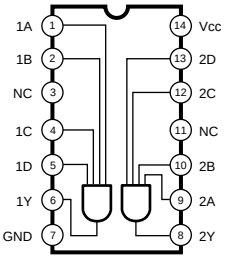
● **SN74HCU04NSR** (XW842A00)
SN74HCU04N (IG142250)
Hex Inverter
DM: IC510, 511
AM: IC301



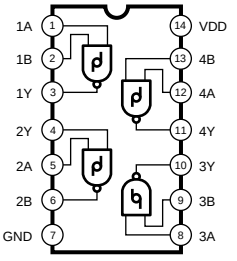
● **HD74LV08AFPEL** (IS000800)
Quad 2 Input AND
DM: IC101



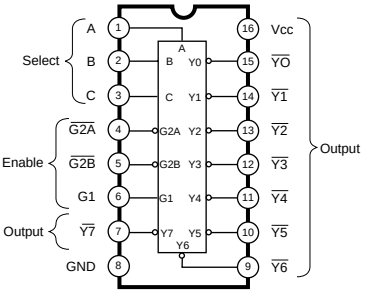
● **HD74LV21ATELL** (X0010A00)
Dual 4 Input AND
DM: IC310



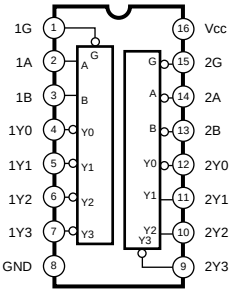
● **SN74HC132NSR** (XW792A00)
MM74HC132SJX (XY352A00)
Quad 2 Input NAND
DM: IC914



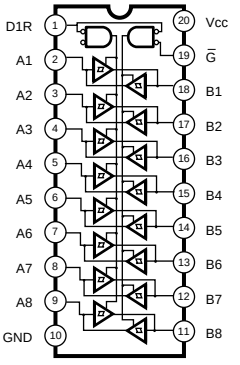
● **SN74HCT138NSR** (XY865A00)
3 to 8 Demultiplexer
DM: IC600



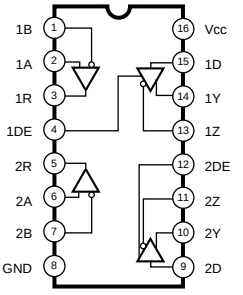
● **HD74LVC139FPEL** (XS048A00)
Dual 2 to 4 Demultiplexer
DM: IC308



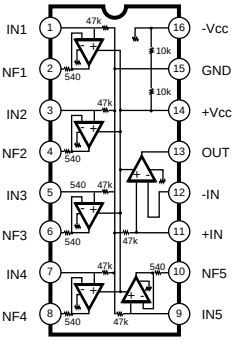
● **HD74LV245ATELL** (XW744A00)
74LVC245APW (XZ286A00)
TC74VHCT245AFT (XT744A00)
Octal 3-State Bus Transceiver
DM: IC103, 104, 301-303, 304-306, 911



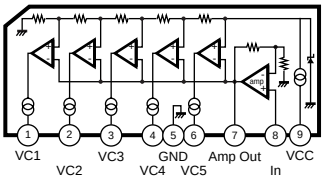
● **SN75C1168N** (XU463A00)
Line Driver/Receiver
AM: IC307



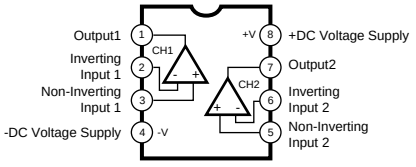
● **M5227P** (XF751A00)
5-Band Graphic Equalizer
AM: IC104, 105



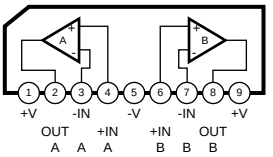
● **LB1443N** (XF483A00)
LED Driver
AM: IC109 (PSR-2000 only)



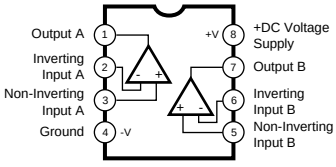
● **M5233FP-600D** (X0506A00)
Comparator
DM: IC913



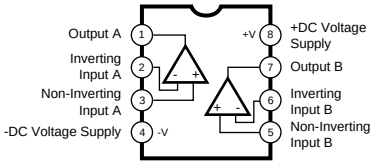
● µ**PC4570HA** (XB247A00)
Dual Operational Amplifier
AM: IC100, 102, 103, 107, 108, 111, 112



● µ**PC4572G2-T1** (XF634A00)
Dual Operational Amplifier
DM: IC701



● µ**PC4570G2** (XF291A00)
Dual Operational Amplifier
DM: 702, 703



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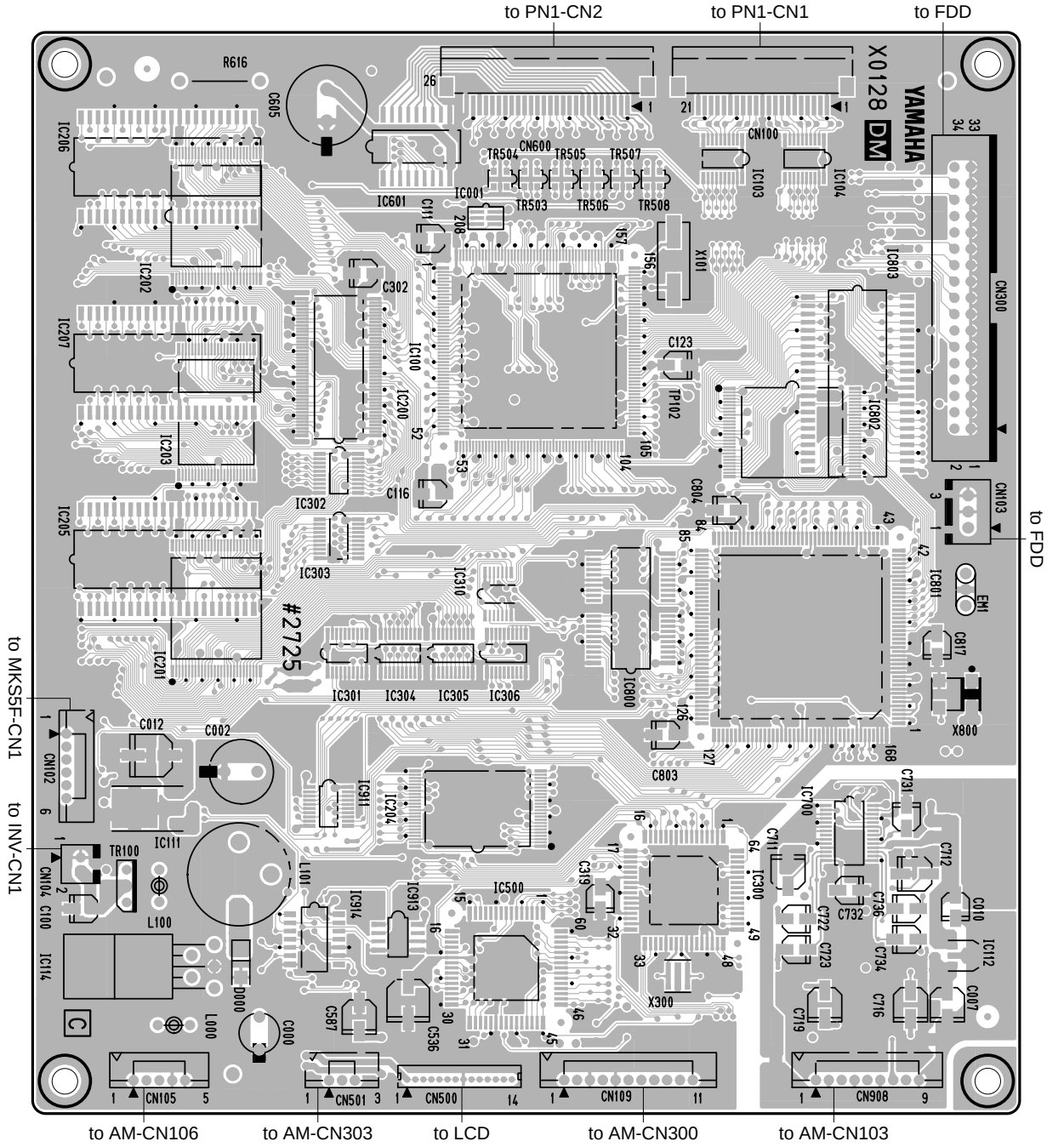
Note: See parts list for details of circuit board component parts.

■ CIRCUIT BOARDS

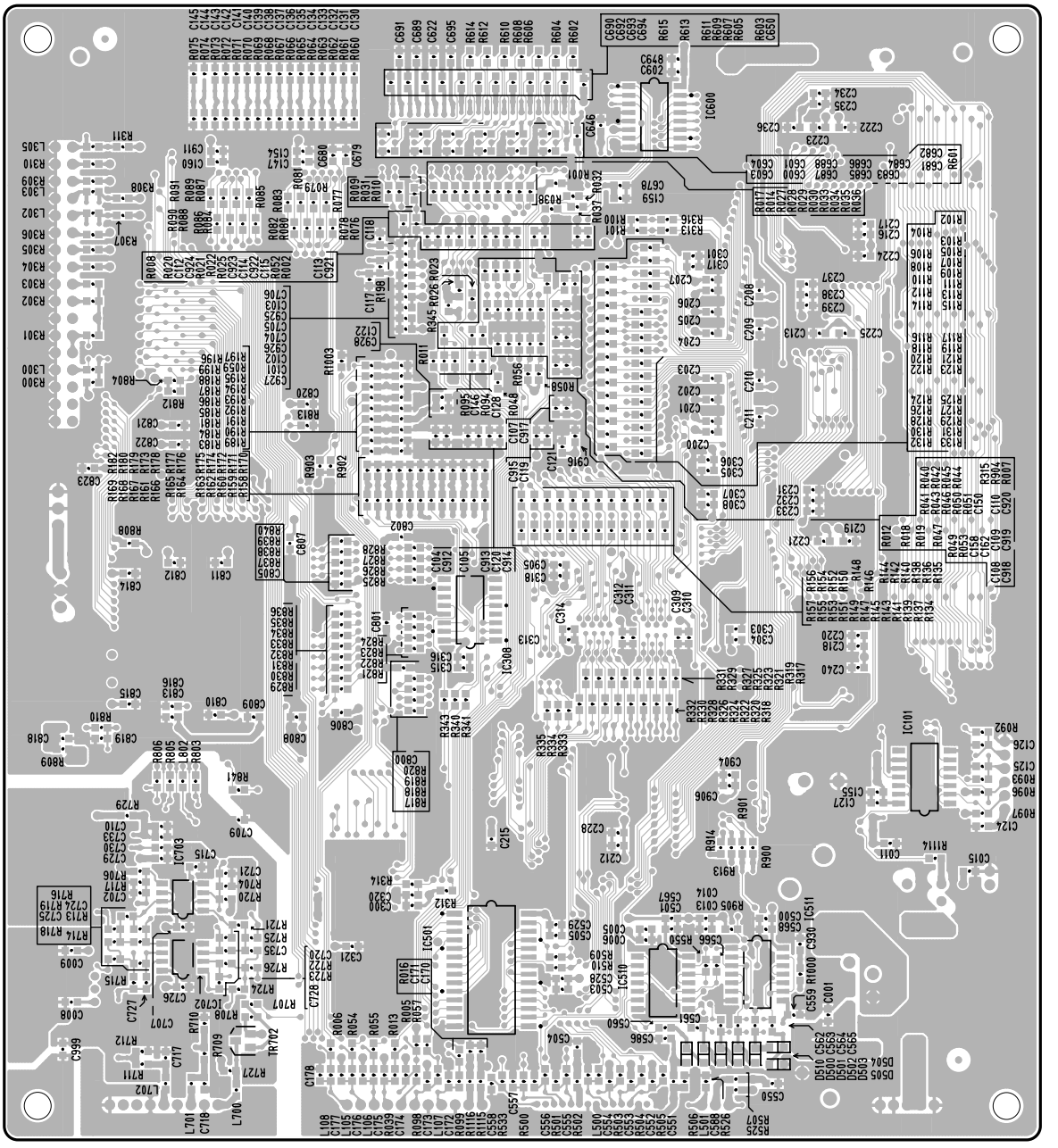
● DM Circuit Board (PSR-1000)



Component side

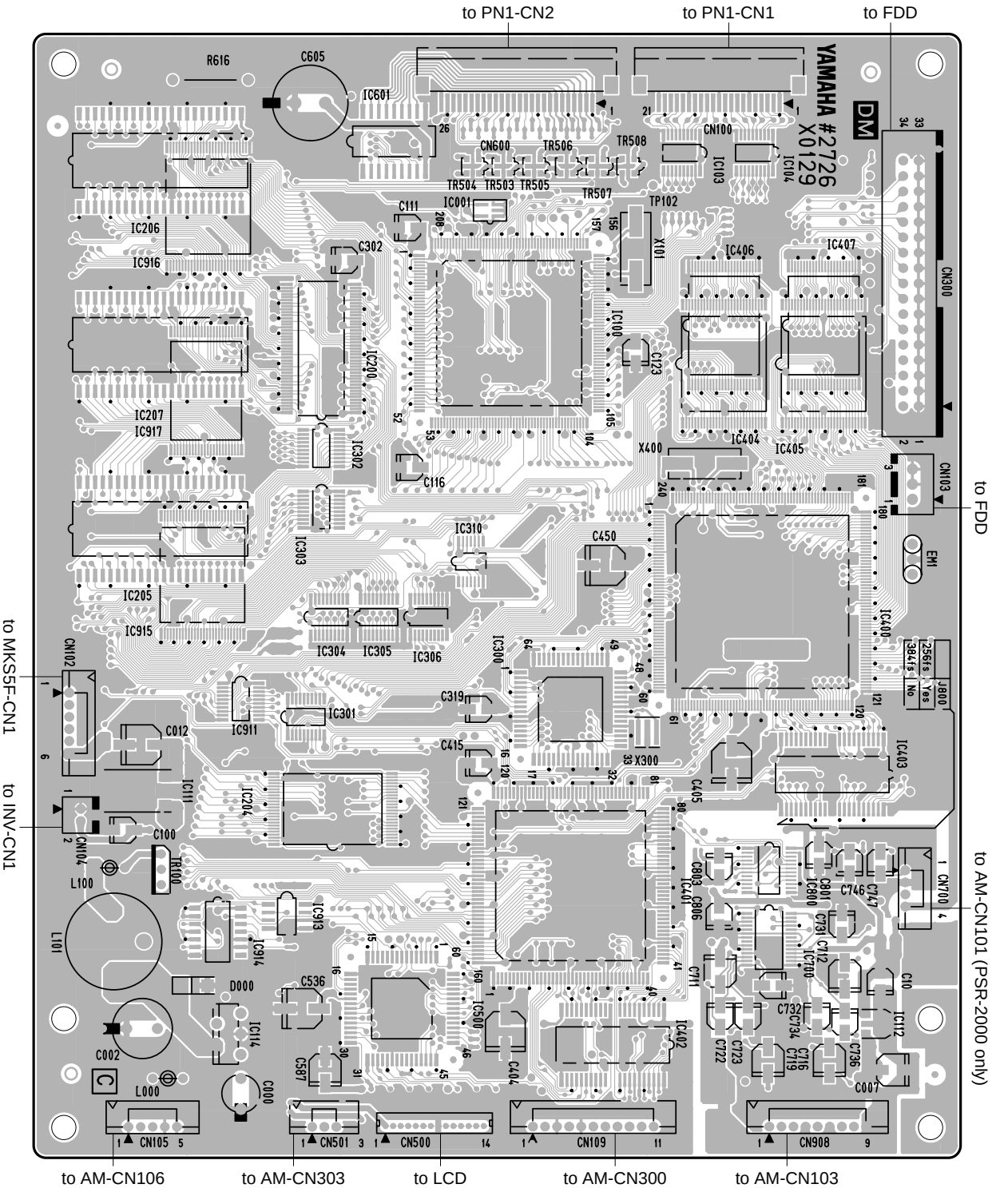
2NA-V763770-1⚠

● DM Circuit Board (PSR-1000)



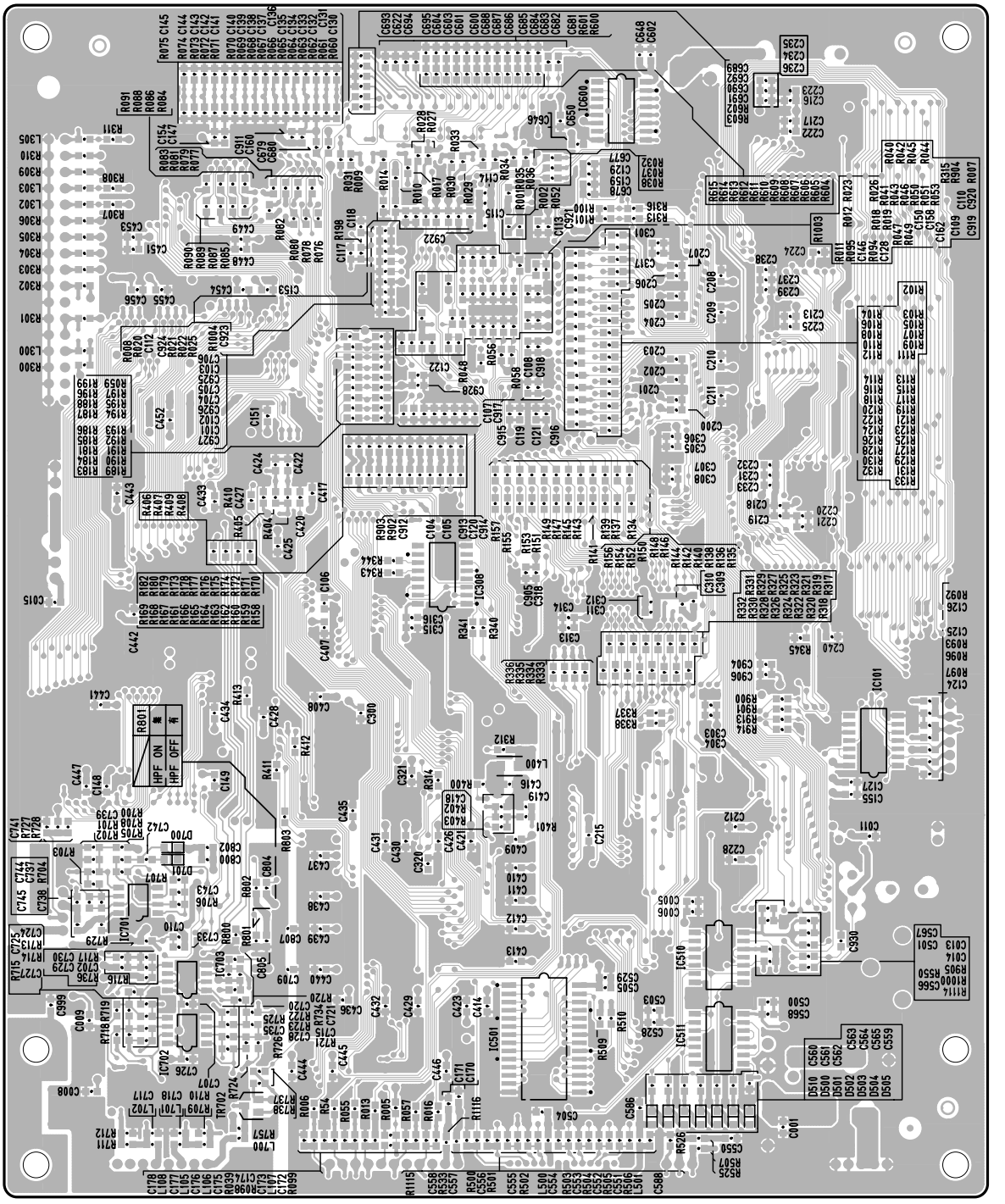
Pattern side

● DM Circuit Board (PSR-2000)



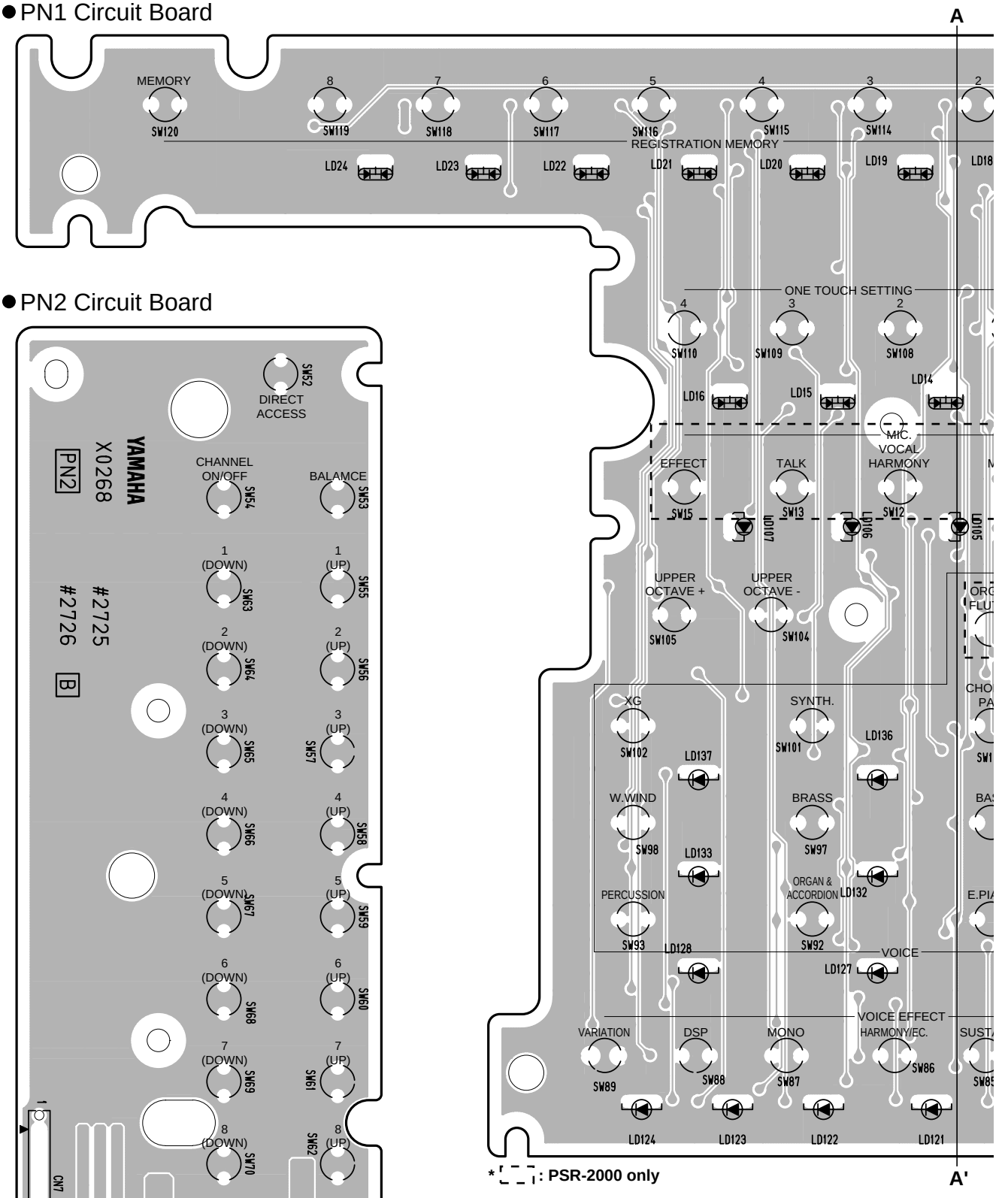
Component side

● DM Circuit Board (PSR-2000)



Pattern side

● PN1 Circuit Board



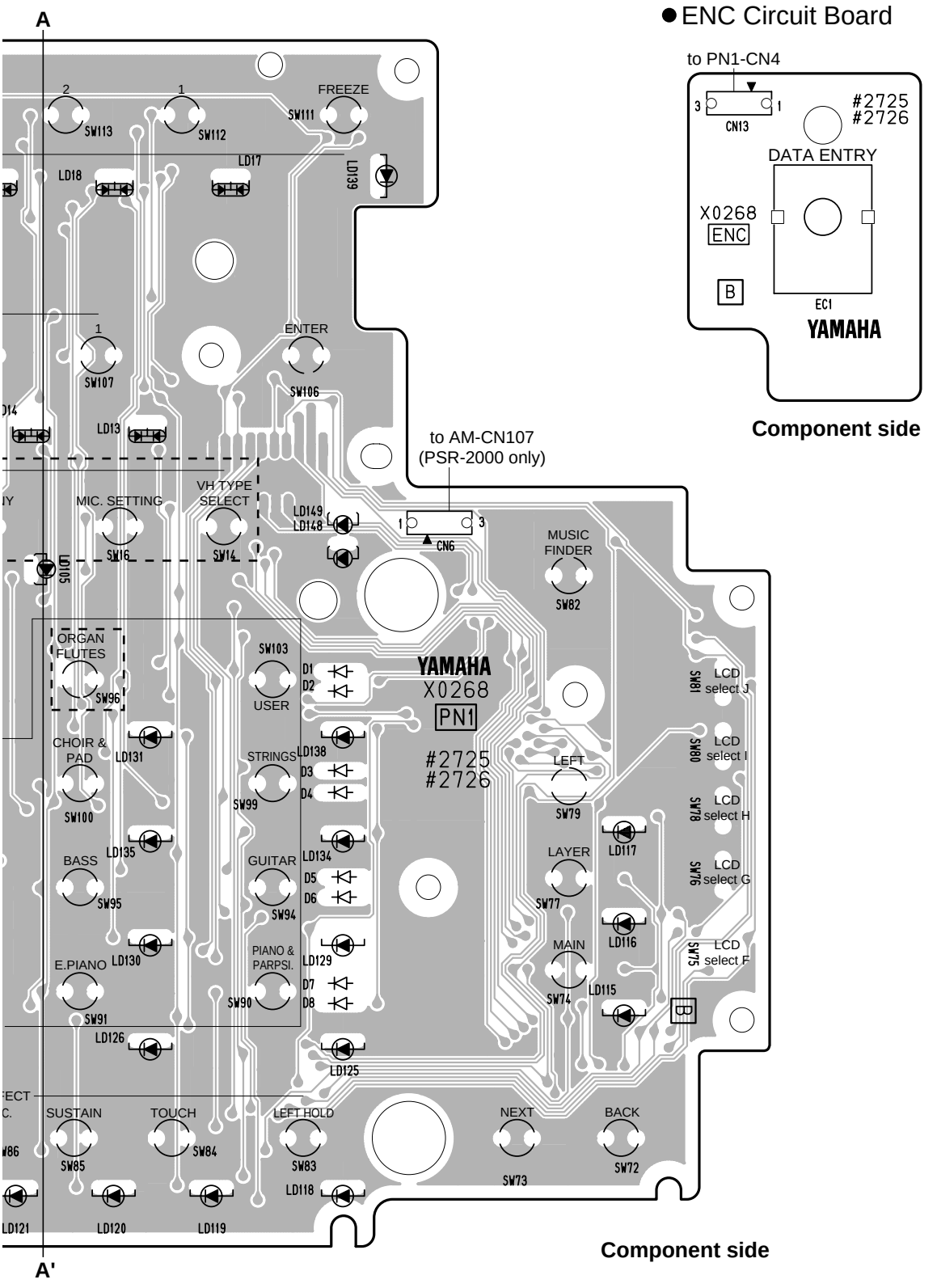
* [ ] : PSR-2000 only

● PN2 Circuit Board

to PN1-CN5

Component side

PN1, PN2: 2NA-V756860⚠

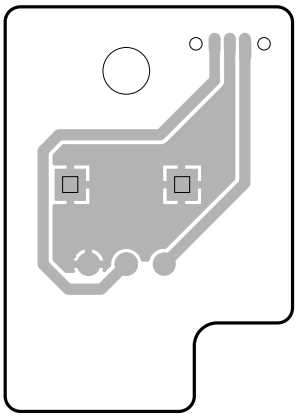


● ENC Circuit Board

Component side

PN1, ENC: 2NA-V756860⚠1

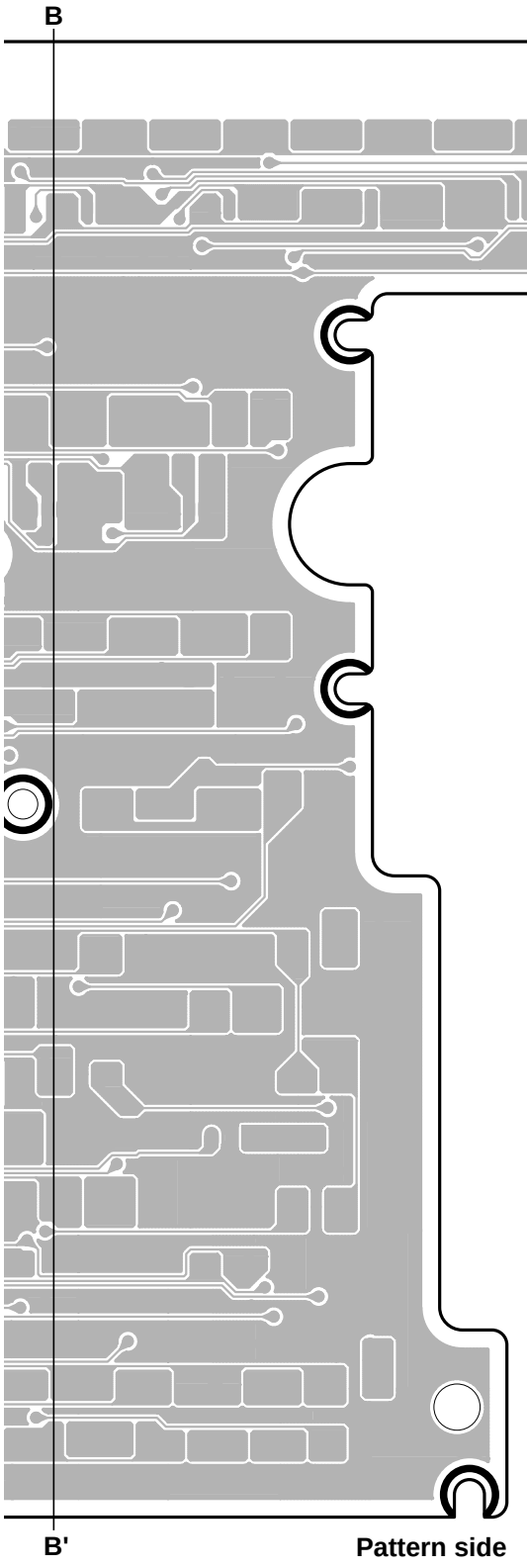
● ENC Circuit Board



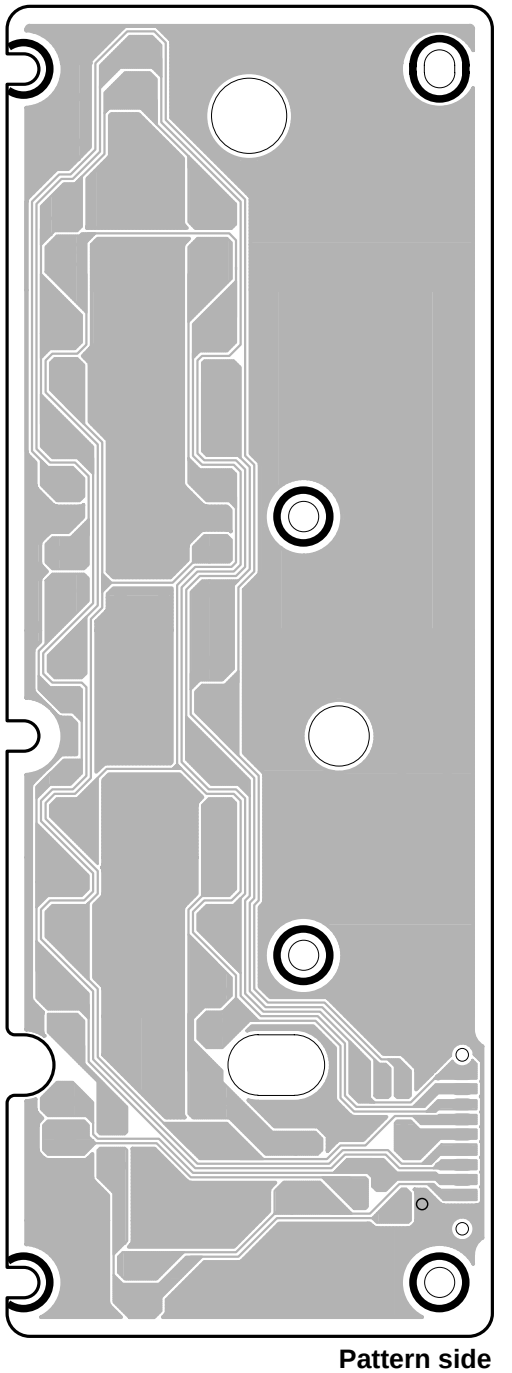
Pattern side

● PN1 Circuit Board

PN1, ENC: 2NA-V756860⚠1

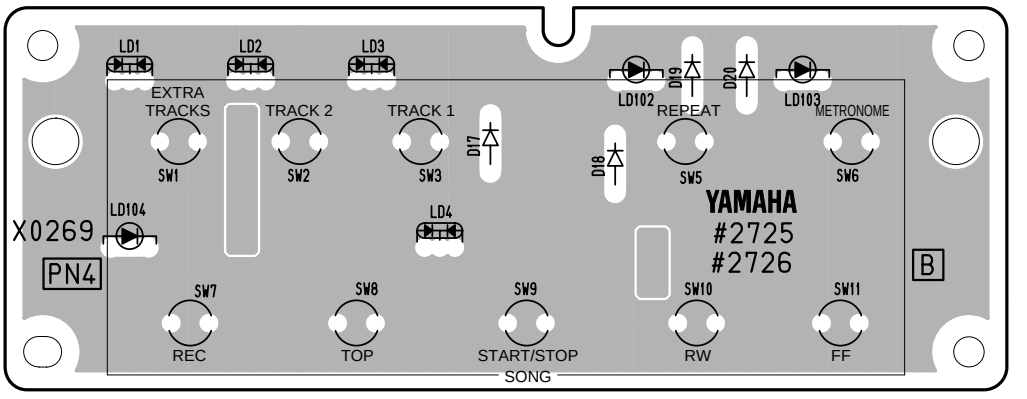


● PN2 Circuit Board

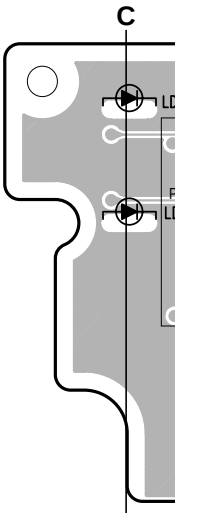


PN1, PN2: 2NA-V756860⚠1

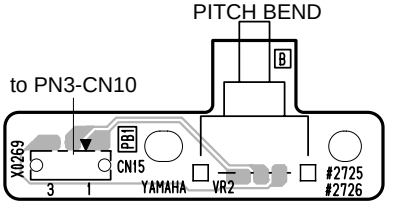
● PN4 Circuit Board



Component side

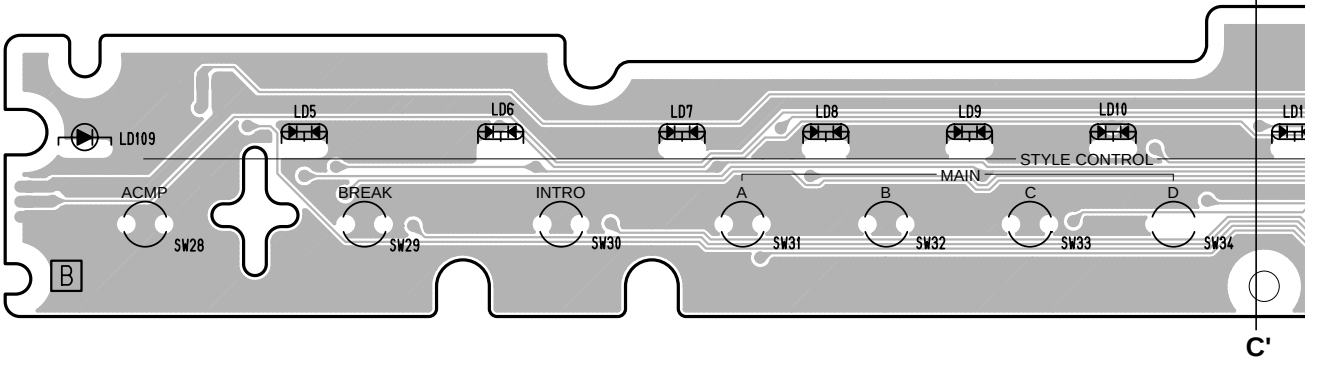


● PB2 Circuit Board (PSR-1000)

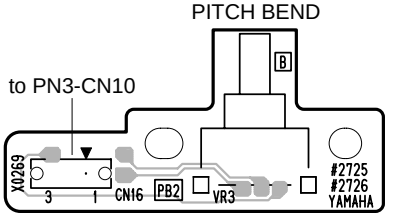


Component side

● PN3 Circuit Board

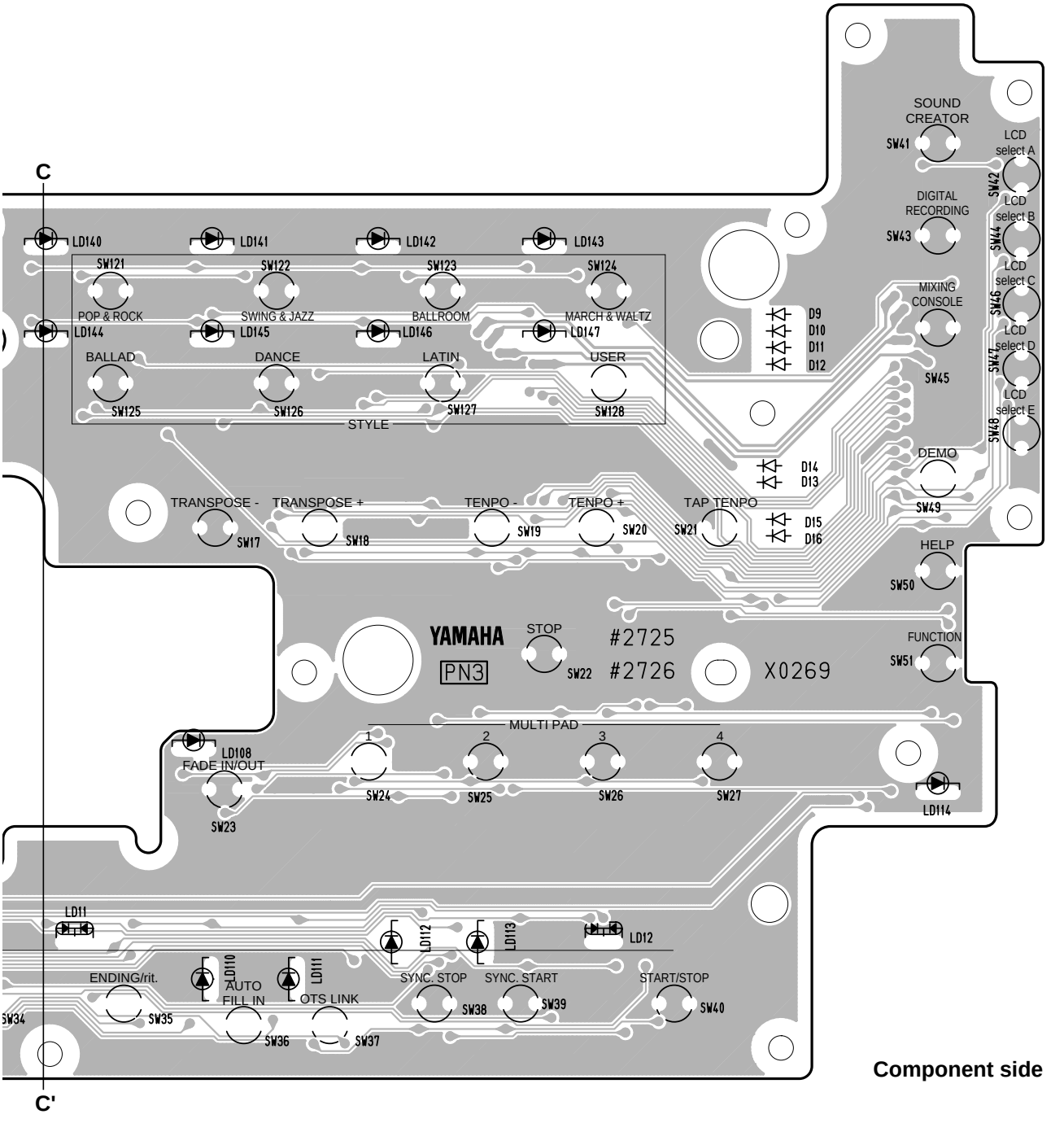


● PB1 Circuit Board (PSR-2000)



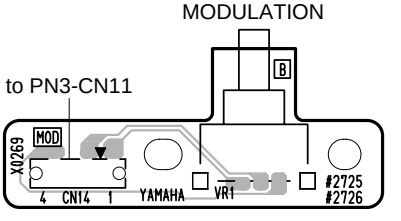
Component side

PN3, PN4, PB1, PB2: 2NA-V756870⚠



Component side

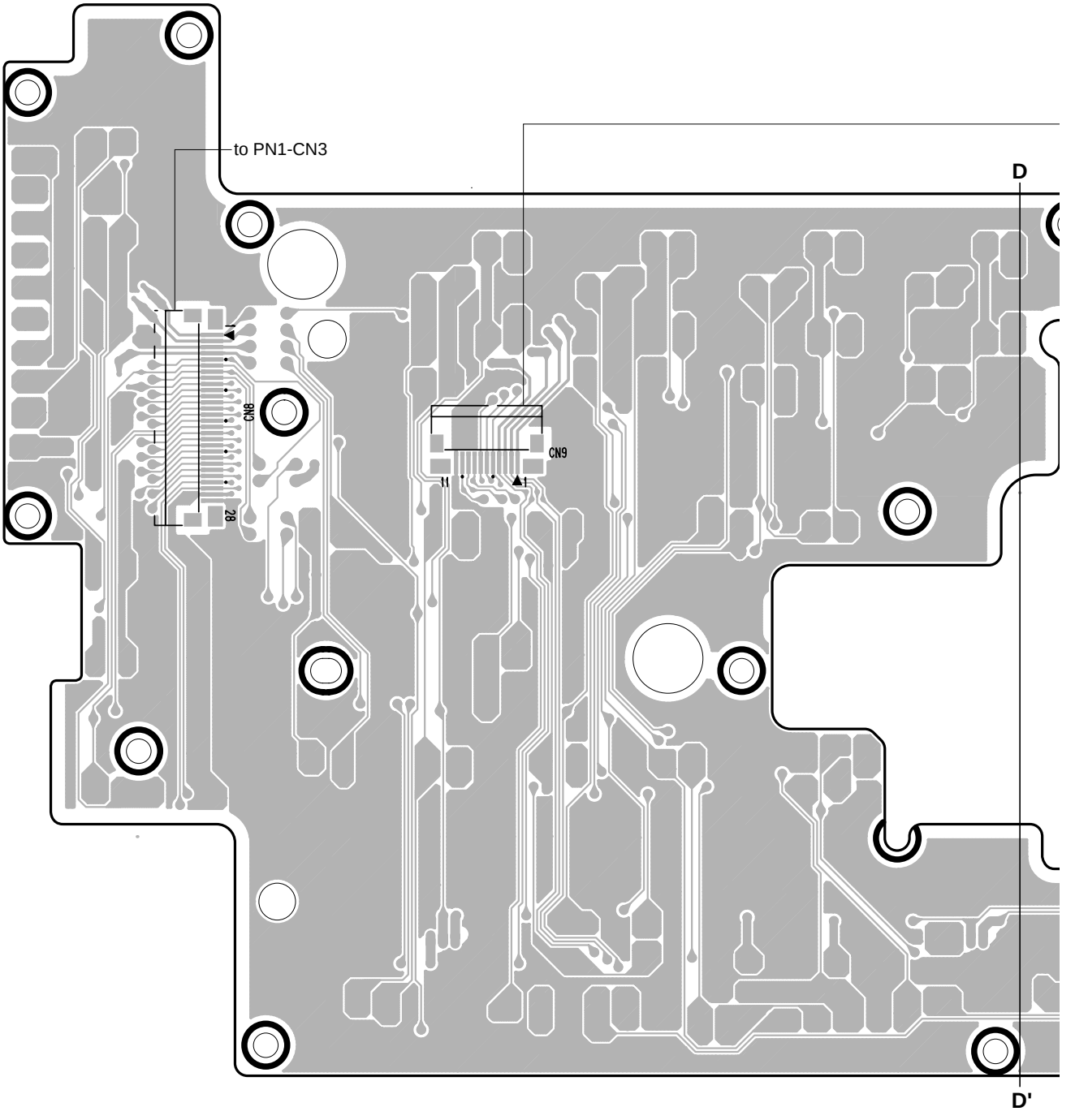
● MOD Circuit Board (PSR-2000 only)



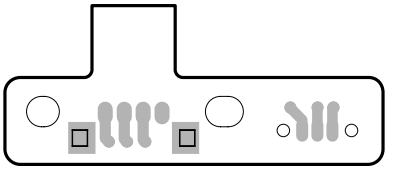
Component side

PN3, MOD: 2NA-V756870⚠

● PN3 Circuit Board



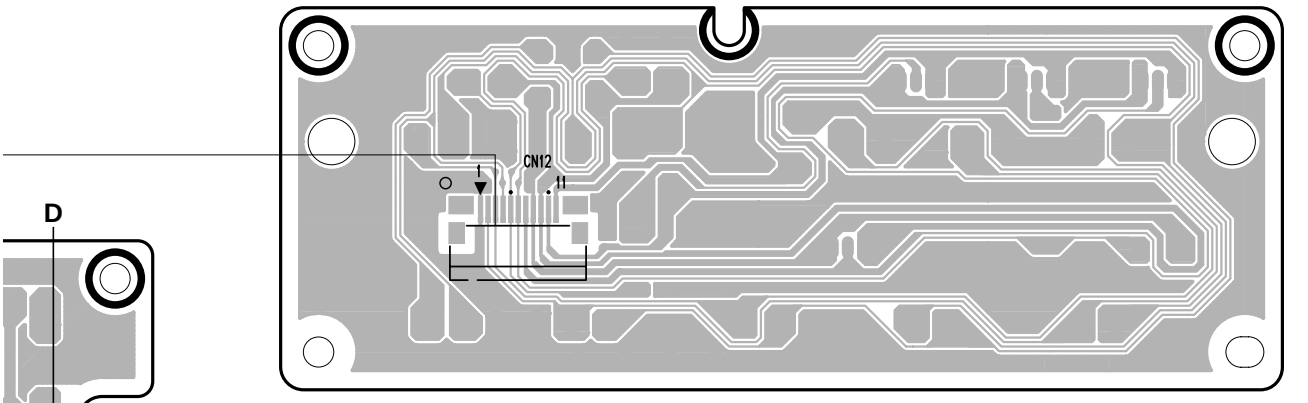
● MOD Circuit Board (PSR-2000 only)



Pattern side

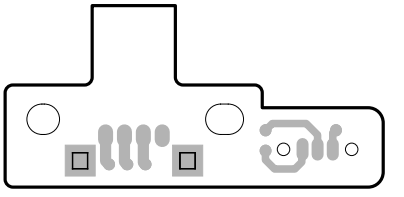
PN3, MOD: 2NA-V756870⚠

● PN4 Circuit Board

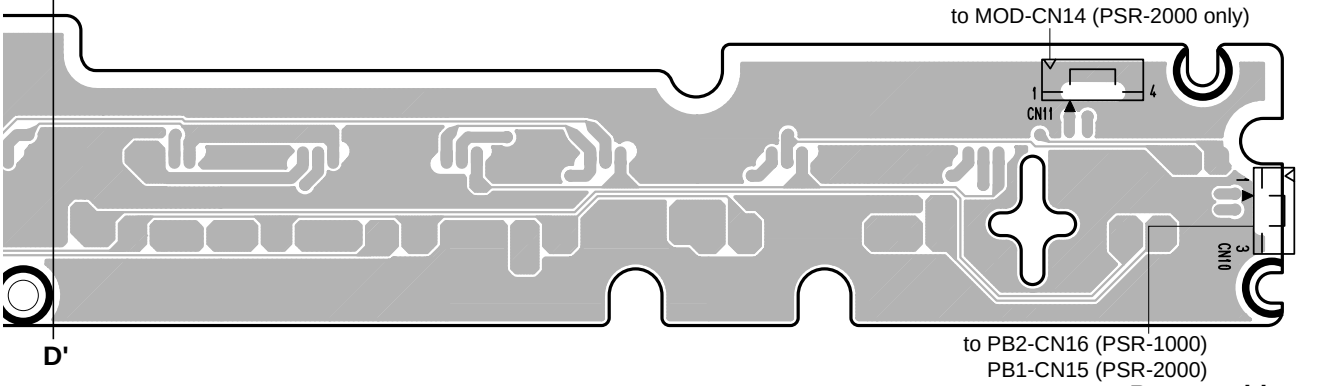


Pattern side

● PB2 Circuit Board (PSR-1000)

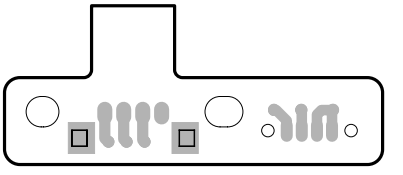


Pattern side



Pattern side

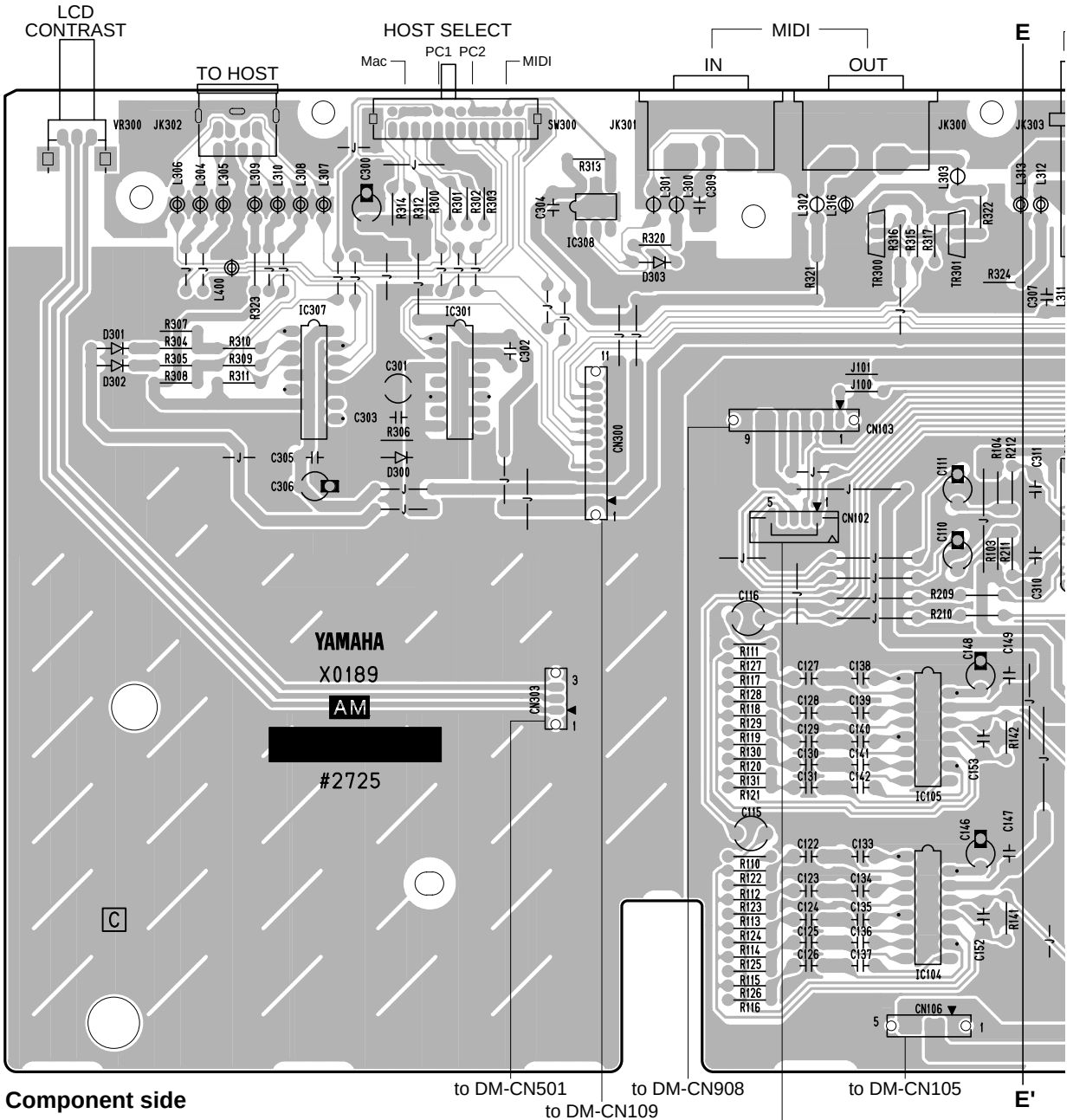
● PB1 Circuit Board (PSR-2000)



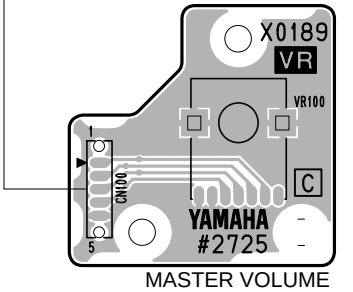
Pattern side

PN3, PN4, PB1, PB2: 2NA-V756870⚠1

● AM Circuit Board



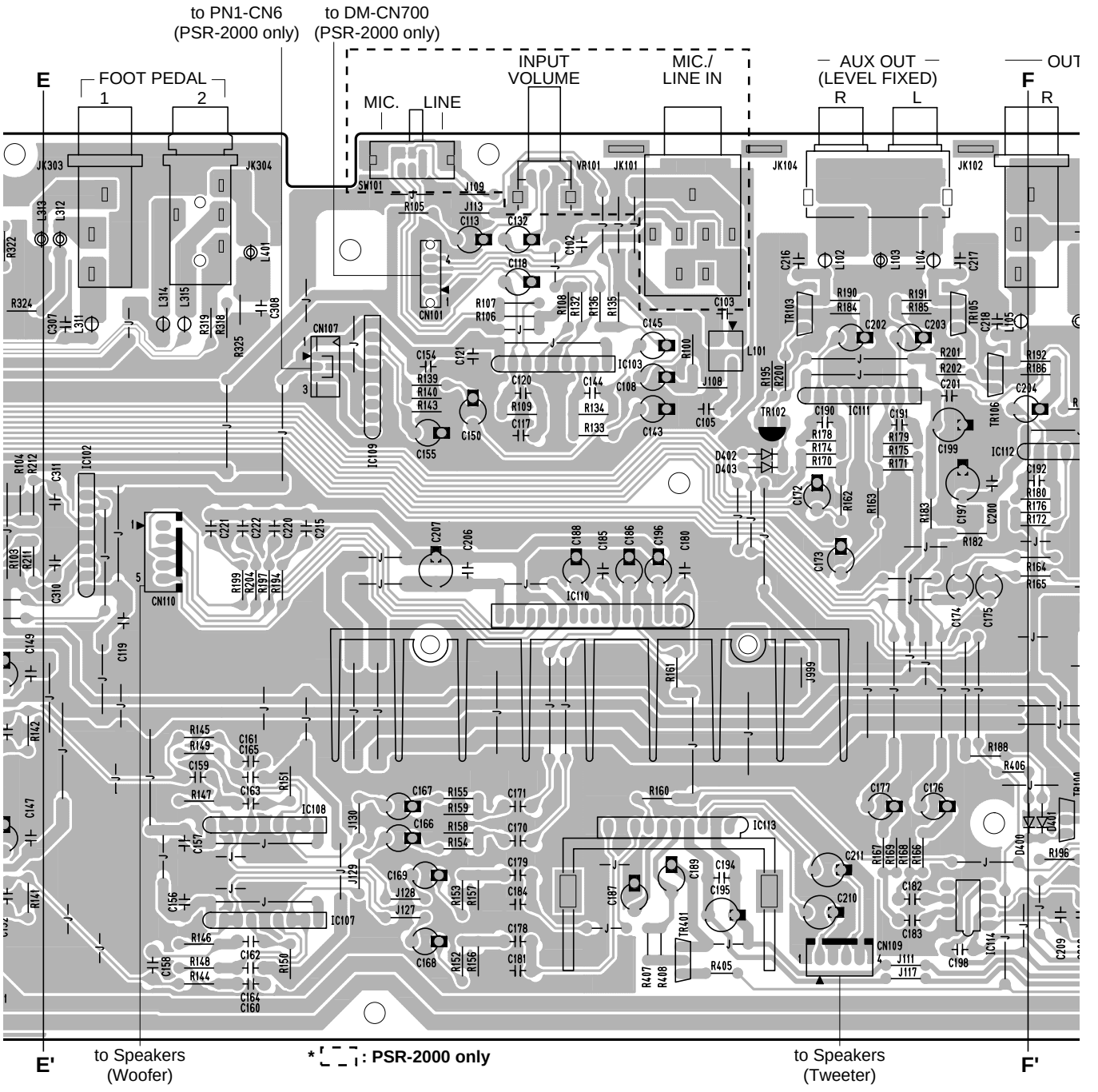
● VR Circuit Board



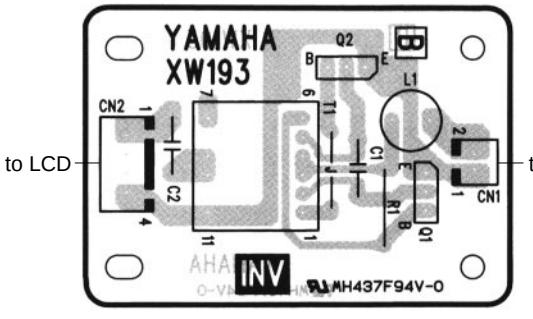
MASTER VOLUME

Component side

AM, VR: 2NA-V756840△4

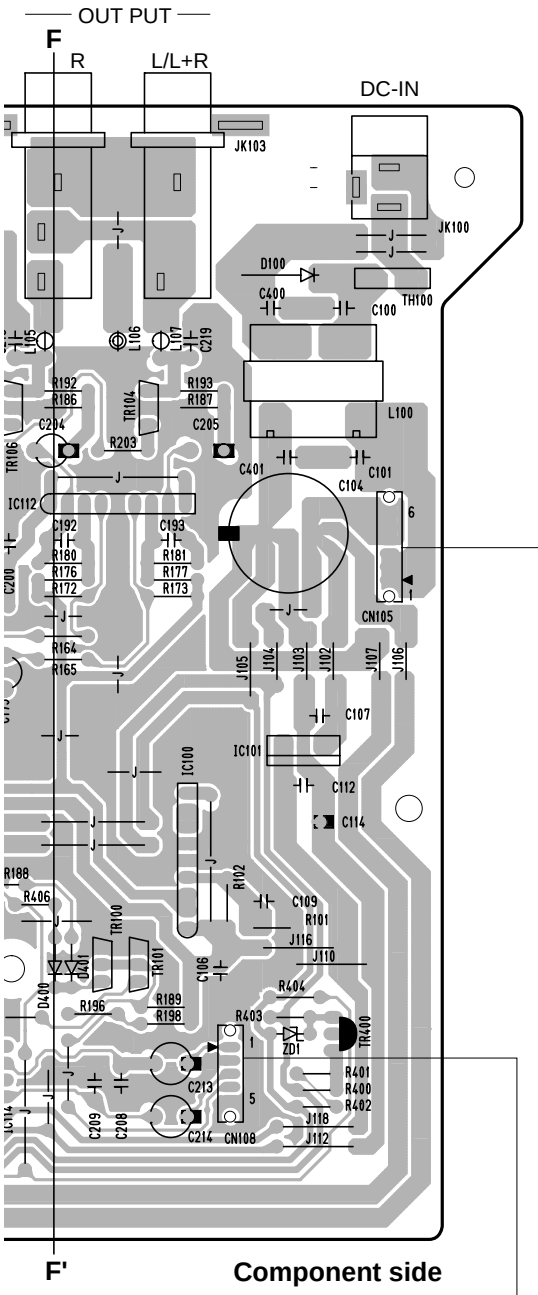


● INV Circuit Board

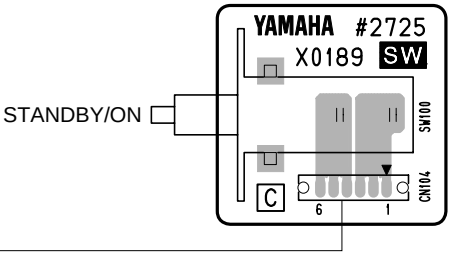


Component side

AM: 2NA-V756840⚠4
INV: 2NA-V420050

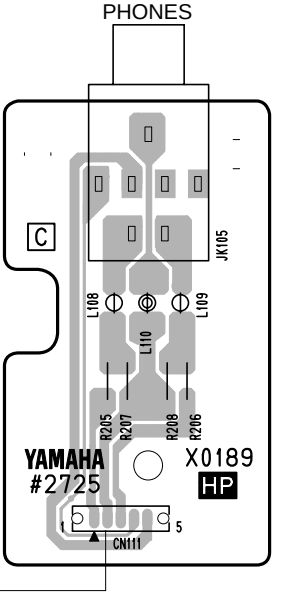


● SW Circuit Board



Component side

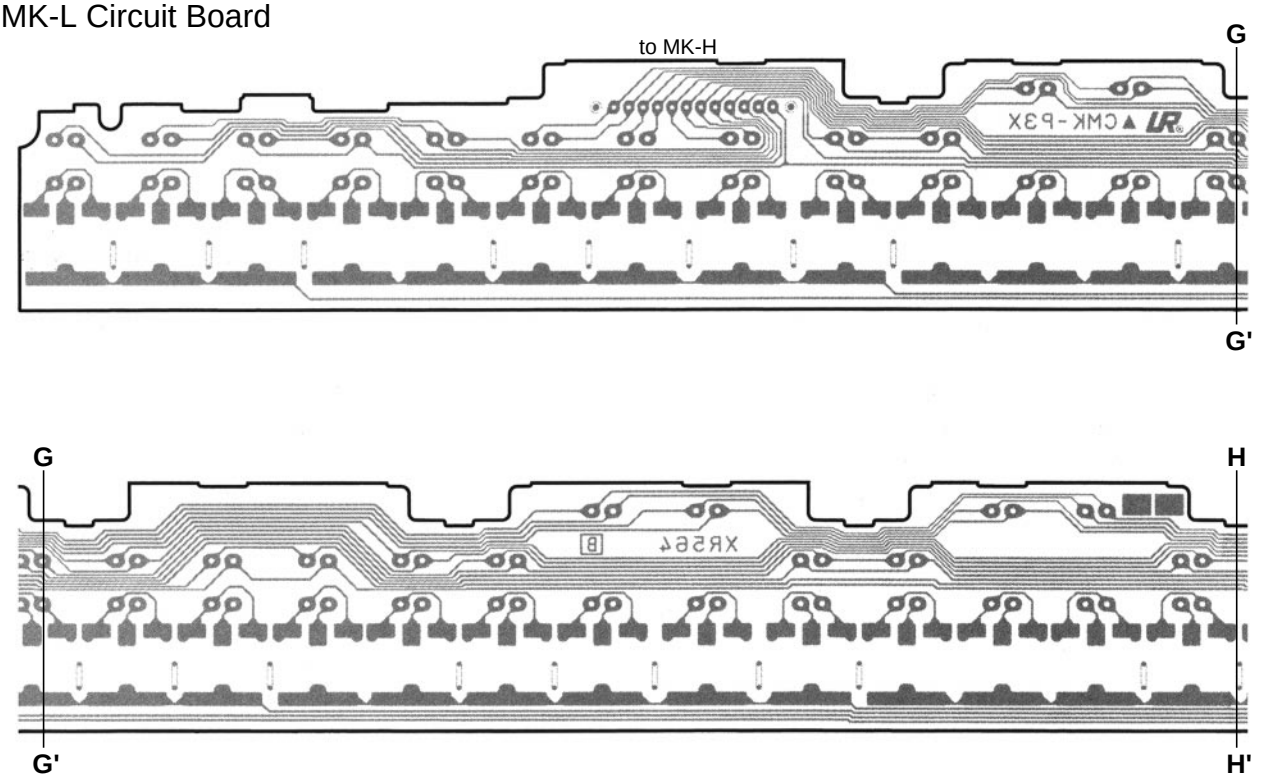
● HP Circuit Board



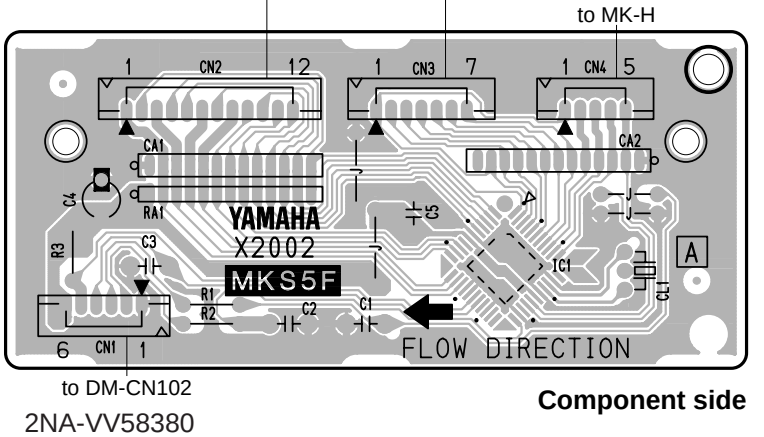
Component side

AM, HP, SW: 2NA-V756840④

● MK-L Circuit Board

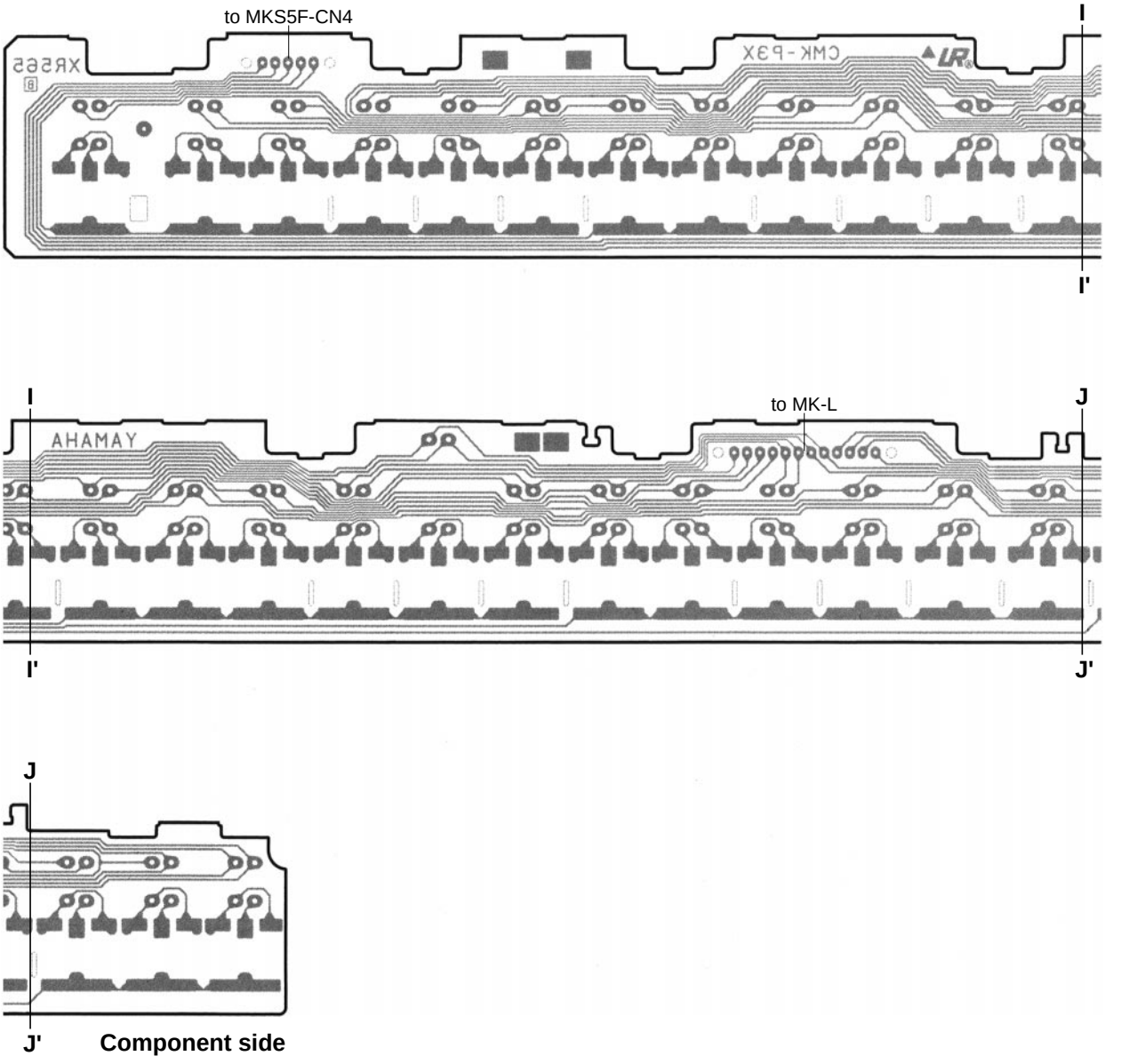


● MKS5F Circuit Board



MK-L: 2NA-VV58380
MKS5F: 2NAKZ-V814260

● MK-H Circuit Board



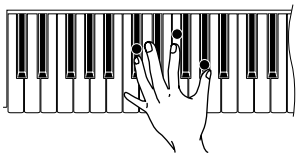
MK-H: 2NA-VV583900

■ TEST PROGRAM

1. Preparation

1) PA-300 (AC adaptor) is used.
2) The volume is usually moved to the use position when no volume change is required.
3) Measuring instruments: frequency counter, level meter (with JIS-C filter)
   Note: Connect a stereo plug to the [PHONES] jack at 33 ohms.
4) Jigs: foot switch (FC-4), foot volume (FC-7), MIDI cable, floppy disk (2HD & 2DD), microphone (PSR-2000 only)

2. How to enter the Test Program



While pressing the [C#2], [F2] and [G#2] keys, turn the [STANDBY/ON] switch on.

3. Proceeding through the Teat Program

When the test program is activated, the sign “TEST” is indicated on the LCD display.
Automatically performs RAM BACKUP check when entering test mode.
Select the test program item to be executed by pressing the [TEMPO-] or [TEMPO+] button.
Press the [START/STOP] button to execute testing. When the test result is OK, press the [START/STOP] button to return to the test item name on display. Proceed to the next test by pressing the [TEMPO-] or [TEMPO+] button. When the test result is OK, an asterisk (*) is added in front of its item name on display.
When the test result is NG, press the [DEMO] button or the lowest (leftmost) white key on the keyboard to return to the test item name on display and then turn off the [STANDBY/ON] switch to end the test program.

4. Test program list

No.	LCD (initial)	Test Function and Judgment criteria
1	001: Version	Displays each ROM version. ROM versions are displayed alternately on the LCD.
2	002: ROM Check1	Checks the ROMs that are connected to the CPU bus. The test results appear on the LCD. Check the LCD “ROM Check1 OK”
3	003: RAM Check1	Checks the RAMs that are connected to the CPU bus. The test results appear on the LCD. Check the LCD “RAM Check1 OK”
4	004:Flash Check1	Checks the Flash Memories that are connected to the CPU bus. The test results appear on the LCD. Check the LCD “Flash Check1 OK”
5	005: Wave ROM Check1	Checks the Wave ROMs. The test results appear on the LCD. Check the LCD “XG Wave ROM Check OK”
6	006: Wave RAM Check1	Checks the Wave RAMs. The test results appear on the LCD. Check the LCD “XG Wave RAM Check OK”
7	007: FDD Check	Checks the floppy disk drive unit. Insert the floppy disks one bye one (2HD or 2DD). The test will be executed immediately if an FD is inserted in the drive. After completing the test for one FD, replace it with another to continue the test. Displays “FDD Check OK” if the test result is OK. Displays “NO FD” and stands by for FD insertion if an FD is drawn out before completion of the test. Displays “PROTECT FD” if the write-protect switch of FD is on. Displays “UNFORMAT FD” if non-formatted FD is inserted.
9	009: Effect 2 RAM Check (PSR-2000 only)	Checks the VOP3 RAM. Outputs the sine wave (C3) MAX at the send level and MIN at the drive level. Check the sound by hearing that there is not noise or abnormal sound.
10	010: Effect 3 RAM Check	Checks the XG1 RAM. Outputs the sine wave (C3) MAX at the send level and MIN at the drive level. Check the sound by hearing that there is not noise or abnormal sound.
12	012: TG1 Check	Sequentially outputs the sine wave starting from the low keys (from C2 to G4) by switching the channel of the sound source. Check the sound by hearing that there is not noise or abnormal sound.
15	015: Pitch Check	Pitch check: Connect the frequency counter to the [PHONES] jack (33 ohm load). Outputs the sine wave at 440.0 Hz +/- 0.22 Hz. (PAN = Center) Decline quantity check of the volume: Connect the level meter (with JIS-C filter) to the [PHONES] jack. Set the [MASTER VOLUME] at MIN and check the output level. **PHONES L, R:** less than -80.0 dBm

No.	LCD (initial)	Test Function and Judgment criteria
16	016: Output R Check	Connect the level meter (with a JIS-C filter) to each terminal (PHONES, OUTPUT L/L+R, R, AUX OUT L, R). Set the [MASTER VOLUME] at MAX and check the R channel output level. (1 kHz sine wave, PAN=R) (PHONES L, R: 33 ohm load OUTPUT L/L+R, R: 10 kohm load AUX OUT L, R: 10 kohm load) **PHONES L:** less than -30.0 dBm **PHONES R:** +3.5 dBm +/-2 dB **OUTPUT L/L+R:** less than -50.0 dBm **OUTPUT R:** +13.5 dBm +/- 2 dBm (PSR-1000), +11.6 dBm +/-2 dBm (PSR-2000) **AUX OUT L:** less than -60.0 dBm **AUX OUT R:** +9.1 dBm +/- 2 dB (PSR-1000), +5.5 dBm +/- 2 dB (PSR-2000)
17	017: Output L Check	Connect the level meter (with a JIS-C filter) to each terminal (PHONES, OUTPUT L/L+R, R, AUX OUT L, R). Set the [MASTER VOLUME] at MAX and check the L channel output level. (1 kHz sine wave, PAN=L) (PHONES L, R: 33 ohm load OUTPUT L/L+R, R: 10 kohm load AUX OUT L, R: 10 kohm load) **PHONES L:** +3.5 dBm +/- 2 dB **PHONES R:** less than -30.0 dBm **OUTPUT L/L+R:** +13.5 dBm +/- 2 dBm (PSR-1000), +11.6 dBm +/- 2 dBm (PSR-2000) **OUTPUT R:** less than -50.0 dBm **AUX OUT L:** +9.1 dBm +/- 2 dB (PSR-1000), +5.5 dBm +/- 2 dB (PSR-2000) **AUX OUT R:** less than -60.0 dBm
18	018: EQ Low Check	Check the sine wave output of EQ-Low frequency at about 65.4 Hz (C1). (PAN=Center)
19	019: EQ Mid Check	Check the sine wave output of EQ-Mid frequency at about 523 Hz (C4). (PAN=Center)
20	020: EQ High Check	Check the sine wave output EQ-High frequency at about 4186 Hz (C7). (PAN=Center)
22	022: D/A Noise Check	Checks D/A converter noise. Connect the level meter (with a JIS-C filter) to each terminal (PHONES, OUTPUT L/L+R, R, AUX OUT L, R) . Set the [MASTER VOLUME] at MAX and check the noise level. **PHONES L, R:** less than -75.0 dBm **OUTPUT L/L+R, R:** less than -70.0 dBm **AUX OUT L, R:** less than -70.0 dBm
23	023: SW, LED Check	Check the switches on the panel and LED. Press the switches on the LCD as instructed. A pre-assigned note is output when the switch is pressed. (See table 1). When the switch with LED is pressed, that LED will light up. As the check result appears on the LCD when all the switches are pressed as instructed. Check that OK is displayed. For the dial check, confirm that the turning the data dial clockwise will increase the numerical value from 50 to 100 and turning it counterclockwise will reduce it from 100 to 0.
24	024: All Panel LED On Check	Check that all panel LEDs are on. (Except for the [MIC. OVER] and [MIC. SIGNAL] LEDs of PSR-2000) The 2-colors LED light up in orange.
25	025: Red LED On Check	Check that all red LEDs are on. (Except for the [MIC. OVER] LED of PSR-2000) The 2-colors LED light up in red.
26	026: Green LED On Check	Check that all green LEDs are on. (Except for the [MIC. SIGNAL] LED of PSR-2000) The 2-colors LED light up in green.
28	028: All LCD On Check	Check that all LCD dots are on.
29	029: All LCD Off Check	Check that all LCD dots are off.
31	031: LCD Brightness Check	Press the [1] to [4] switches of [ONE TOUCH SETTING] in order. The brightness of the LCD grows lighter every time a switch is pressed.
36	036: Pedal 1 Check	Connect the foot switch (FC-4) to the [FOOT PEDAL 1] jack. Check that the C3 note is output when pressing the pedal, and that the C4 note is output when releasing the pedal .
37	037: Pedal 2 Check	Connect the foot volume (FC-7) to the [FOOT PEDAL 2] jack. Check that the C3 note is output when fully pressing the pedal to the back (to maximum), and that the C4 note is output when fully pressing the pedal to the front (to minimum).
38	038: Pitch Bend Wheel Check	Checks the pitch bend wheel. First, it is checked that the [PITCH BEND] wheel is a center position. Check that the C3 note is output when rotating the [PITCH BEND] wheel to minimum from center, and that the C4 note is output when rotating it to maximum.
39	039: Modulation Wheel Check (PSR-2000 only)	Checks the modulation wheel. First, it is checked that the [MODULATION] wheel is a center position. Check that the C3 note is output when rotating the [MODULATION] wheel to minimum from center, and that the C4 note is output when rotating it to maximum.
40	040: MIDI Check	After connecting the [MIDI IN] jack and [MIDI OUT] jack with a MIDI cable, execute the test. Set the [HOST SELECT]switch to “MIDI”. Check that the C4 note is output and that the LCD displays “OK”. If there is no input after one second since signal output, it is judged NG.
41	041: TO HOST Check	Connect pin 3 to pin 5 and pin 6 to pin 8 of the [TO HOST] terminal, and execute the test. Check that the following note sounds when changing the [HOST SELECT] switch position according to the LCD indication; the LCD will display “OK”. (PC1: note C3; PC2: note C4; MAC: note C5) If there is no input after one second since signal output, it is judged NG.
42	042: MIC Check (PSR-2000 only)	Connect a microphone to the [MIC./LINE IN] jack and speak to it. Set the [MIC./LINE] select switch to [MIC.] and set the [INPUT VOLUME] at maximum. Check the voice sound by hearing that there is not unusual noise or abnormal sound.

No.	LCD (initial)	Test Function and Judgment criteria
43	043: ROM Check2	Checks the ROMs that are connected to the CPU bus. Check the LCD “ROM Check2 OK”
44	044: RAM Check2	Checks the RAMs that are connected to the CPU bus. Check the LCD “RAM Check2 OK”
45	045: Flash Check2	Checks the Flash Memories that are connected to the CPU bus. Check the LCD “Flash Check2 OK”
46	046: Wave ROM Check2	Checks the Wave ROMs. Check the LCD “XG Wave ROM Check OK”
47	047: Wave RAM Check2	Checks the Wave RAMs. Check the LCD “XG Wave RAM Check OK”
55	055: Factory Set	All the RAMs are initialized and set to the factory preset data when executing this test.
56	056: Test Exit	Exit from the test program after executing this test.

Note: 0 dBm=0.775 V

Time is required to complete the checks performed by test No. 43–47.

• Power On Reset

All the RAMs are initialized and set to the factory preset data when the [STANDBY/ON] switch is turned on while pressing the highest (rightmost) white key on the keyboard.

• TABLE 1

ORDER	SWITCH	NOTE (PSR-1000)	NOTE (PSR-2000)
1	EXTRA TRACKS	C2	C2
2	TRACK2	C#2	C#2
3	TRACK1	D2	D2
4	REPEAT	D#2	D#2
5	METRONOME	E2	E2
6	REC	F2	F2
7	TOP	F#2	F#2
8	START/STOP (SONG)	G2	G2
9	RW	G#2	G#2
10	FF	A2	A2
11	8BEAT	A#2	A#2
12	16BEAT	B2	B2
13	SWING & JAZZ	C3	C3
14	R & B	C#3	C#3
15	DANCE	D3	D3
16	LATIN	D#3	D#3
17	MARCH &WALTZ	E3	E3
18	USER STYLE	F3	F3
19	TRANSPOSE -	F#3	F#3
20	TRANSPOSE +	G3	G3
21	TEMPO -	G#3	G#3
22	TEMPO +	A3	A3
23	TAP TEMPO	A#3	A#3
24	PAD STOP	B3	B3
25	FADE IN/OUT	C4	C4
26	PAD1	C#4	C#4
27	PAD2	D4	D4
28	PAD3	D#4	D#4
29	PAD4	E4	E4
30	ACCOMP. ON/OFF	F4	F4
31	BREAK	F#4	F#4
32	INTRO	G4	G4
33	MAIN A	G#4	G#4
34	MAIN B	A4	A4
35	MAIN C	A#4	A#4
36	MAIN D	B4	B4
37	ENDING	C5	C5
38	AUTO FILL	C#5	C#5
39	OTS LINK	D5	D5
40	SYNC STOP	D#5	D#5

ORDER	SWITCH	NOTE (PSR-1000)	NOTE (PSR-2000)
41	SYNC START	E5	E5
42	START/STOP (STYLE)	F5	F5
43	SOUND CREATER	F#5	F#5
44	DIGITAL RECORDING	G5	G5
45	MIXING CONSOLE	G#5	G#5
46	DEMO	A5	A5
47	HELP	A#5	A#5
48	FUNCTION	B5	B5
49	A	C6	C6
50	B	C2	C2
51	C	C#2	C#2
52	D	D2	D2
53	E	D#2	D#2
54	DIRECT ACCESS	E2	E2
55	BALANCE	F2	F2
56	PART ON/OFF	F#2	F#2
57	1-U	G2	G2
58	1-L	G#2	G#2
59	2-U	A2	A2
60	2-L	A#2	A#2
61	3-U	B2	B2
62	3-L	C3	C3
63	4-U	C#3	C#3
64	4-L	D3	D3
65	5-U	D#3	D#3
66	5-L	E3	E3
67	6-U	F3	F3
68	6-L	F#3	F#3
69	7-U	G3	G3
70	7-L	G#3	G#3
71	8-U	A3	A3
72	8-L	A#3	A#3
73	EXIT	B3	B3
74	F	C4	C4
75	G	C#4	C#4
76	H	D4	D4
77	I	D#4	D#4
78	J	E4	E4
79	BACK	F4	F4
80	NEXT	F#4	F#4

ORDER	SWITCH	NOTE (PSR-1000)	NOTE (PSR-2000)
81	MAIN	G4	G4
82	LAYER	G#4	G#4
83	LEFT	A4	A4
84	MUSIC FINDER	A#4	A#4
85	LEFT HOLD	B4	B4
86	TOUCH	C5	C5
87	SUSTAIN	C#5	C#5
88	HARMONY ECHO	D5	D5
89	POLY/MONO	D#5	D#5
90	DSP	E5	E5
91	FAST/SLOW	F5	F5
92	PIANO &HARPSI	F#5	F#5
93	E.PIANO	G5	G5
94	ORGAN & ACCORDION	G#5	G#5
95	PERCCUSION	A5	A5
96	GUITAR	A#5	A#5
97	BASS	B5	B5
98	BRASS	C6	C6
99	W.WIND	C2	C2
100	STRING	C#2	C#2
101	CHOIR & PAD	D2	D2
102	SYNTH	D#2	D#2
103	XG	E2	E2
104	USER	F2	F2

ORDER	SWITCH	NOTE (PSR-1000)	NOTE (PSR-2000)
105	ORGAN FLUTES (PSR-2000 only)	–	F#2
106	OCTAVE -	F#2	G2
107	OCTAVE +	G2	G#2
108	VOCAL HARMONY (PSR-2000 only)	–	A2
109	TALK (PSR-2000 only)	–	A#2
110	EFFECT (PSR-2000 only)	–	B2
111	VH TYPE SELECT (PSR-2000 only)	–	C3
112	MC. SETUP (PSR-2000 only)	–	C#3
113	ENTER	G#2	D3
114	OTS1	A2	D#3
115	OTS2	A#2	E3
116	OTS3	B2	F3
117	OTS4	C3	F#3
118	FREEZE	C#3	G3
119	REGIST1	D3	G#3
120	REGIST2	D#3	A3
121	REGIST3	E3	A#3
122	REGIST4	F3	B3
123	REGIST5	F#3	C4
124	REGIST6	G3	C#4
125	REGIST7	G#3	D4
126	REGIST8	A3	D#4
127	MEMORY	A#3	E4

■ SYSTEM RESET

This operation lets you restore the PSR-1000/2000 to its original factory settings. These settings include System Setup, MIDI Setup, User Effect, Music Finder, and Files & Folders.

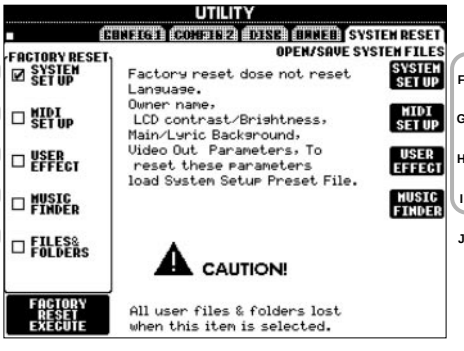
Restores the System Setup parameters to the original factory settings. You can also restore only the System Setup settings by simultaneously holding down the highest key on the keyboard (C6) and turning on the power.

Restores the MIDI templates to the original factory settings.

Restores the User Effects to the original factory settings.

Restores the Music Finder data to the original factory settings.

Deletes all files and folders stored in the User page.



Executes the Factory Reset operation for all items checkmarked above.

These call up the corresponding Open/ Save displays. These let you store the corresponding data as files to disk, for future recall. Pressing each of these buttons calls up the corresponding Open/Save display, from which you can select the corresponding PRESET page. From this PRESET page, you can save the relevant data.

NOTE

The functions and settings below do not apply to the Factory Reset operation. However, you can restore these to their original settings by calling up the preset System Setup files, using the Open/Save System Files function.
Language
Owner Name
LCD Brightness

NOTE

All Music Finder records can be stored together as a single file. When calling up a stored file, a message appears prompting you to replace or append the records as desired.
Replace:
All Music Finder records currently in the instrument are deleted and replaced with the records of the selected file.
Append:
The records called up are added to the vacant record numbers.

■ MIDI IMPLEMENTATION CHART

YAMAHA [Portable Keyboard] Date : 25,Jun 2001
Model PSR-1000/2000 MIDI Implementation Chart Version : 1.00

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	1 - 16	1 - 16	
	Changed	1 - 16	1 - 16	
Mode	Default	3	3	
	Messages	X	X	
	Altered	**********	X	
Note Number : True voice		0 - 127 **********	0 - 127 0 - 127	
Velocity	Note ON	o 9nH,v=1-127	o 9nH,v=1-127	
	Note OFF	x 9nH,v=0	x	
After Touch	Key's	x	x	
	Ch's	x	o	
Pitch Bend		o	o 0 - 24 semi	
Control Change	0,32	o	o	Bank Select
	1,5,7,10,11	o	o	
	6,38	o	o	Data Entry
	64,65,66,67	o	o	
	71-74	o	o	Sound Controller
	84	o	o	Portament Cntrl
	91,93,94	o	o	Effect Depth
	96-97	x	o	RPN Inc,Dec
	98-99	o	o	NRPN LSB,MSB
	100-101	o	o	RPN LSB,MSB
	120	x	o	All Sound Off
	121	x	o	Reset All Cntrls
Prog Change : True #		o 0 - 127 **********	o 0 - 127	
System Exclusive		o	o	
Common : Song Pos.		x	x	
: Song Sel.		x	x	
: Tune		x	x	
System : Clock		o	o	
Real Time : Commands		o	o	
: All Sound Off		x	o (120,126-127)	
Aux : Reset All Cntrls		x	o (121)	
: Local ON/OFF		x	x	
Mes- : All Notes OFF		x	o (123-125)	
sages: Active Sense		o	o	
: Reset		x	x	
Notes:				

Mode 1: OMNI ON , POLY Mode 2: OMNI ON ,MONO o: Yes
Mode 3: OMNI OFF, POLY Mode 4: OMNI OFF,MONO x: No

■ MIDI DATA FORMAT

Many MIDI messages listed in the MIDI Data Format are expressed in decimal numbers, binary numbers and hexadecimal numbers. Hexadecimal numbers may include the letter “H” as a suffix. Also, “n” can freely be defined as any whole number.
To enter data/values, refer to the table below.

Decimal	Hexadecimal	Binary
0	00	0000 0000
1	01	0000 0001
2	02	0000 0010
3	03	0000 0011
4	04	0000 0100
5	05	0000 0101
6	06	0000 0110
7	07	0000 0111
8	08	0000 1000
9	09	0000 1001
10	0A	0000 1010
11	0B	0000 1011
12	0C	0000 1100
13	0D	0000 1101
14	0E	0000 1110
15	0F	0000 1111
16	10	0001 0000
17	11	0001 0001
18	12	0001 0010
19	13	0001 0011
20	14	0001 0100
21	15	0001 0101
22	16	0001 0110
23	17	0001 0111
24	18	0001 1000
25	19	0001 1001
26	1A	0001 1010
27	1B	0001 1011
28	1C	0001 1100
29	1D	0001 1101
30	1E	0001 1110
31	1F	0001 1111

Decimal	Hexadecimal	Binary
32	20	0010 0000
33	21	0010 0001
34	22	0010 0010
35	23	0010 0011
36	24	0010 0100
37	25	0010 0101
38	26	0010 0110
39	27	0010 0111
40	28	0010 1000
41	29	0010 1001
42	2A	0010 1010
43	2B	0010 1011
44	2C	0010 1100
45	2D	0010 1101
46	2E	0010 1110
47	2F	0010 1111
48	30	0011 0000
49	31	0011 0001
50	32	0011 0010
51	33	0011 0011
52	34	0011 0100
53	35	0011 0101
54	36	0011 0110
55	37	0011 0111
56	38	0011 1000
57	39	0011 1001
58	3A	0011 1010
59	3B	0011 1011
60	3C	0011 1100
61	3D	0011 1101
62	3E	0011 1110
63	3F	0011 1111

Decimal	Hexadecimal	Binary
64	40	0100 0000
65	41	0100 0001
66	42	0100 0010
67	43	0100 0011
68	44	0100 0100
69	45	0100 0101
70	46	0100 0110
71	47	0100 0111
72	48	0100 1000
73	49	0100 1001
74	4A	0100 1010
75	4B	0100 1011
76	4C	0100 1100
77	4D	0100 1101
78	4E	0100 1110
79	4F	0100 1111
80	50	0101 0000
81	51	0101 0001
82	52	0101 0010
83	53	0101 0011
84	54	0101 0100
85	55	0101 0101
86	56	0101 0110
87	57	0101 0111
88	58	0101 1000
89	59	0101 1001
90	5A	0101 1010
91	5B	0101 1011
92	5C	0101 1100
93	5D	0101 1101
94	5E	0101 1110
95	5F	0101 1111

Decimal	Hexadecimal	Binary
96	60	0110 0000
97	61	0110 0001
98	62	0110 0010
99	63	0110 0011
100	64	0110 0100
101	65	0110 0101
102	66	0110 0110
103	67	0110 0111
104	68	0110 1000
105	69	0110 1001
106	6A	0110 1010
107	6B	0110 1011
108	6C	0110 1100
109	6D	0110 1101
110	6E	0110 1110
111	6F	0110 1111
112	70	0111 0000
113	71	0111 0001
114	72	0111 0010
115	73	0111 0011
116	74	0111 0100
117	75	0111 0101
118	76	0111 0110
119	77	0111 0111
120	78	0111 1000
121	79	0111 1001
122	7A	0111 1010
123	7B	0111 1011
124	7C	0111 1100
125	7D	0111 1101
126	7E	0111 1110
127	7F	0111 1111

- Except the table above, for example 144-159(decimal)/9nH/1001 0000-1001 1111(binary) denotes the Note On Message for each channel (1-16). 176-191/BnH/1011 0000-1011 1111 denotes the Control Change Message for each channel (1-16). 192-207/CnH/1100 0000-1100 1111 denotes the Program Change Message for each channel (1-16). 240/FOH/1111 0000 denotes the start of a System Exclusive Message. 247/F7H/1111 0111 denotes the end of a System Exclusive Message.
- aaH (hexidecimal)/0aaaaaaa (binary) denotes the data address. The address contains High, Mid, and Low.
- bbH/0bbbbbbb denotes the byte count.
- ccH/0ccccccc denotes the check sum.
- ddH/0ddddddd denotes the data/value.

O: available

	PSR-1000	PSR-2000
Regular Voice	O	O
Organ (Organ Flutes) Voice	-	O
Mic	-	O
Vocal Harmony	-	O
Natural Voice	-	-
M. Pad (Multi Pad)	O	O

MIDI CHANNEL MESSAGE (1)

O: available

MIDI Events	Status byte		1st Data byte			2nd Data byte			Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
	Status		Data	(HEX)	Parameter	Data	(HEX)	Parameter	Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
Key Off	8nH	(n:Channel Number)	kk		Key no. (0~127)	vv		Velocity (0~127)	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O	O	X	X	X	X	O	X
Key On	9nH	(n:Channel Number)	kk		Key no. (0~127)	vv		Key On: vv=1~127 Key Off: vv=0	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O	O	O (Keyboard)	O	O	O	O	X
Control Change	BnH	(n:Channel Number)	0	(00H)	Bank Select MSB	0 64 126 127	(00H) (40H) (7EH) (7FH)	Normal SFX voice SFX kit Drum kit	O	X	O	O	O	O (Main)	O	O	O (Voice)	X	O	O	O	X
			1	(01H)	Modulation	0~127	(00H...7FH)	Data	O	X	X	O	O	O (Main/ Layer/Left)	O	O	O (Wheel *5, Pedal)	O	O	O	O	X
			5	(05H)	Portamento Time	0~127	(00H...7FH)	Data	O	X	X	O	O	O (Main/ Layer/Left)	X	O	O (Mixing Console)	X	O	X	O	X
			6	(06H)	Data Entry MSB	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
			7	(07H)	Main Volume	0~127	(00H...7FH)	Data	O	X	O	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
			10	(0AH)	Panpot	0~127	(00H...7FH)	L64...C...R63	O	X	O	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
			11	(0BH)	Expression	0~127	(00H...7FH)	Data	O	X	O	O	O	O (Main/ Layer/Left)	O	O	O (Pedal)	O	O	O	O	X
			32	(20H)	Bank Select LSB	0~127	(00H...7FH)	Data	O	X	O	O	O	O (Main)	O	O	O (Voice)	X	O	O	O	X
			38	(26H)	Data Entry LSB	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/ Layer/Left)	X	O	O (Mixing Console)	X	O	X	O	X
			64	(40H)	Sustain (Damper)	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/ Layer/Left)	X	O	O (Pedal)	O	O	X	O	X
			65	(41H)	Portamento	0~127	(00H...7FH)	0...63, 64...127 (OFF, ON)	O	X	X	O	O	O (Main/ Layer/Left)	X	O	O (Poly/Mono Sw)	O	O	X	O	X
			66	(42H)	Sostenuto	0~127	(00H...7FH)	0...63, 64...127 (OFF, ON)	O	X	O	O	O	O (Main/ Layer/Left)	X	O	O (Pedal)	O	O	X	O	X
			67	(43H)	Soft Pedal	0~127	(00H...7FH)	0...63, 64...127 (OFF, ON)	O	X	O	O	O	O (Main/ Layer/Left)	X	O	O (Pedal)	O	O	X	O	X
			71	(47H)	Harmonic Content	0~127	(00H...7FH)	-64...0...+63	O	X	X	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
			72	(48H)	Release Time	0~127	(00H...7FH)	-64...0...+63	O	X	X	O	O	O (Main/ Layer/Left)	O	O	O (Sound Creator)	X	O	O	O	X
			73	(49H)	Attack Time	0~127	(00H...7FH)	-64...0...+63	O	X	X	O	O	O (Main/ Layer/Left)	O	O	O (Sound Creator)	X	O	O	O	X
			74	(4AH)	Brightness	0~127	(00H...7FH)	-64...0...+63	O	X	X	O	O	O (Main/ Layer/Left)	X	O	O (Sound Creator)	X	O	O	O	X
			84	(54H)	Portamento Control	0~127	(00H...7FH)	Key no. (0~127)	O	X	X	O	O	X	O	O	O (Auto Accom-paniment)	X	O	X	O	X
			91	(5BH)	Effect1 Depth (Reverb Send Level)	0~127	(00H...7FH)	Data	O	X	O	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
			93	(5DH)	Effect3 Depth (Chorus Send Level)	0~127	(00H...7FH)	Data	O	X	O	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
			94	(5EH)	Effect4 Depth (Variation Send Level)	0~127	(00H...7FH)	Data	O	X	X	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
			96	(60H)	RPN Increment	-	-	*1	O	O (Harmony Channel/ Melody Channel)	O	O	O	X	O	O	X	X	O	X	O	X
			97	(61H)	RPN Decrement	-	-	*1	O	O (Harmony Channel/ Melody Channel)	O	O	O	X	O	O	X	X	O	X	O	X
			98	(62H)	NRPN LSB	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
			99	(63H)	NRPN MSB	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
			100	(64H)	RPN LSB	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
			101	(65H)	RPN MSB	0~127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
Mode Message	BnH	(n:Channel Number)	120	(78H)	All Sound Off	0	(00H)	Data	O	X	O	O	O	O (Main/ Layer/Left)	O	O	X	X	O	X	O	X
			121	(79H)	Reset All Controllers	0	(00H)	Data	O	X	O	O	X	X	X	X	X	X	O	X	O	X
			123	(7BH)	All Note Off	0	(00H)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/ Layer/Left)	O	O	X	X	O	X	O	X
			124	(7CH)	Omni Off	0	(00H)	Data	O	X	X	O	X	X	X	X	X	X	O	X	O	X
			125	(7DH)	Omni On	0	(00H)	Data	O	X	X	O	X	X	X	X	X	X	O	X	O	X
			126	(7EH)	Mono	0~16	(00H...10H)	Data	O	X	X	O	X	X	X	X	X	X	O	X	O	X
			127	(7FH)	Poly	0	(00H)	Data	O	X	X	O	X	X	X	X	X	X	O	X	O	X

MIDI Events	Status byte		1st Data byte		2nd Data byte		Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
	Status		Data (HEX)	Parameter	Data (HEX)	Parameter	Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
Program Change	CnH	(n:Channel Number)	pp (00H...7FH)	Voice Number (0~127)	- -	-	O	X	O	O	O	O (Main)	O	O	O (Voice)	X	O	O	O	X
Channel After Touch	DnH	(n:Channel Number)	vv (00H...7FH)	Data	- -	-	O	X	X	O	O	O (Main/ Layer/Left)	X	O	X	X	O	X	O	X
Polyphonic After Touch	AnH	(n:Channel Number)	kk (00H...7FH)	Key no. (0~127)	vv (00H...7FH)	Data	X	X	X	X	X	X	X	X	X	X	X	X	O	X
Pitch Bend Change	EnH	(n:Channel Number)	cc (00H...7FH)	LSB	dd (00H...7FH)	MSB	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/ Layer/Left)	O	O	O (Wheel Pedal)	O	O	O	O	X
Realtime Message	F8H	MIDI Clock	-	-	-	-	-	-	-	O (*2)					O (*3)					
	FAH	Start	-	-	-	-	-	-	-	O (*2)					O (*4)					
	FBH	Continue	-	-	-	-	-	-	-	X					X					
	FCH	Stop	-	-	-	-	-	-	-	O (*2)					O (*4)					
	FEH	Active Sens	-	-	-	-	-	-	-	O					O					
	FFH	System Reset	-	-	-	-	-	-	-	X					X					

*1 The data byte is ignored.
*2 Received when the Clock is set to External.
*3 Transmitted when the Clock is set to Internal and Transmit Clock is set to on.
*4 Transmitted when the Transmit Clock is set to on.
*5 PSR-2000 only.

About Mic/Vocal Harmony column:
The relevant parameters are received by the song part designated by the Effect's Harmony Channel Parameter or Melody Parameter.

MIDI CHANNEL MESSAGE (2)

NRPN

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
01H	08H	mmH	--	Vibrato Rate	mm: 00H-40H-7FH (-64...0...+63)	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	09H	mmH	--	Vibrato Depth	mm: 00H-40H-7FH (-64...0...+63)	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	0AH	mmH	--	Vibrato Delay	mm: 00H-40H-7FH (-64...0...+63)	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	20H	mmH	--	Low Pass Filter Cutoff Frequency	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	X	X	O	X	X	X	O	X	O	X
01H	21H	mmH	--	Low Pass Filter Resonance	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	X	X	O	X	X	X	O	X	O	X
01H	30H	mmH	--	EQ BASS (*1)	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	X	X	O	X	X	X	X	X	O	X
01H	31H	mmH	--	EQ TREBLE (*1)	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	X	X	O	X	X	X	X	X	O	X
01H	34H	mmH	--	EQ BASS Frequency (*1)	mm: 04H-28H (32...2.0k[Hz])	O	X	X	O	X	X	X	X	X	X	X	X	O	X
01H	35H	mmH	--	EQ TREBLE Frequency (*1)	mm: 1CH-3AH (500...16.0k[Hz])	O	X	X	O	X	X	X	X	X	X	X	X	O	X
01H	63H	mmH	--	EG Attack Time	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	X	X	O	X	X	X	X	X	O	X
01H	64H	mmH	--	EG Decay Time	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	66H	mmH	--	EG Release	mm: 00H-40H-7FH (-64...0...+63)	O	X	X	O	X	X	O	X	X	X	O	X	O	X
14H	rrH	mmH	--	Drum Low Pass Filter Cutoff Frequency	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	O (Drum Only)	X	X	O	X	X	X	X	X	X	X	O	O	X
15H	rrH	mmH	--	Drum Low Pass Filter Resonance	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)		X	X	O	X	X	X	X	X	X	X	O	O	X
16H	rrH	mmH	--	Drum EG Attack Rate	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)		X	X	O	X	X	X	X	X	X	X	O	O	X
17H	rrH	mmH	--	Drum EG Decay Rate	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)		X	X	O	X	X	X	X	X	X	X	O	O	X
18H	rrH	mmH	--	Drum Pitch Coarse	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)		X	X	O	X	X	X	X	X	X	X	O	O	X
19H	rrH	mmH	--	Drum Pitch Fine	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)		X	X	O	X	X	X	X	X	X	X	O	O	X
1AH	rrH	mmH	--	Drum Level	rr: drum instrument note number mm: 00H-7FH (0...127)		X	X	O	X	X	X	X	X	X	X	O	O	X
1CH	rrH	mmH	--	Drum Pan	rr: drum instrument note number mm: 00H, 01H-40H-7FH (RND, L63...C...R63)		X	X	O	X	X	X	X	X	X	X	O	O	X
1DH	rrH	mmH	--	Drum Reverb Send Level	rr: drum instrument note number mm: 00H-7FH (0...127)		X	X	O	X	X	X	X	X	X	X	O	O	X
1EH	rrH	mmH	--	Drum Chorus Send Level	rr: drum instrument note number mm: 00H-7FH (0...127)		X	X	O	X	X	X	X	X	X	X	O	O	X
1FH	rrH	mmH	--	Drum Variation Send Level	rr: drum instrument note number mm: 00H-7FH (0...127) (Variation Connection=SYSTEM) mm: 00H, 01H-7FH (OFF, ON) (Variation Connection=INSERTION)		X	X	O	X	X	X	X	X	X	X	O	O	X

NRPN MSB: 14H-1FH (for drums) message is accepted as long as the channel is set with a drum voice.
Data Entry LSB: Ignored.

NRPN (Vocal Harmony)

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
00H	00H	mmH	--	Harmony Mute (*2)	0-63, 64-127 (Off, On)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	X	X	O	X
01H	1AH	mmH	--	Detune Modulation (*2)	mm: 00H-7FH (0...127)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	X	X	O	X
02H	10H	mmH	--	Harmony1 Volume (*2)	mm: 00H-7FH (0...127)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	11H	mmH	--	Harmony2 Volume (*2)	mm: 00H-7FH (0...127)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	12H	mmH	--	Harmony3 Volume (*2)	mm: 00H-7FH (0...127)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	20H	mmH	--	Harmony1 Pan (*2)	mm: 00H, 01H-40H-7FH (RND, L63...C...R63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	21H	mmH	--	Harmony2 Pan (*2)	mm: 00H, 01H-40H-7FH (RND, L63...C...R63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	22H	mmH	--	Harmony3 Pan (*2)	mm: 00H, 01H-40H-7FH (RND, L63...C...R63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	30H	mmH	--	Harmony1 Detune (*2)	mm: 00H-40H-7FH (-64...0...+63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	31H	mmH	--	Harmony2 Detune (*2)	mm: 00H-40H-7FH (-64...0...+63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	32H	mmH	--	Harmony3 Detune (*2)	mm: 00H-40H-7FH (-64...0...+63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X

Data Entry LSB: Ignored.

RPN

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
00H	00H	mmH	--	Pitch Bend Sensitivity	mm: 00H-18H (0...+24[semitones])	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
00H	01H	mmH	llH	Fine Tune	mm ll : 00H 00H -100[cent] ... mm ll : 40H 00H 0[cent] ... mm ll : 7FH 7FH 100[cent]	O	X	O	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
00H	02H	mmH	--	Coarse Tune	mm: 28H-40H-58H (-24...0...+24[semitones])	O	X	O	O	O	O (Main/ Layer/Left)	O	O	X	X	O	O	O	X
7FH	7FH	--	--	Null	-	O	O	O	O	O	O (Main/ Layer/Left)	O	O	X	X	O	O	O	X

*1 2Band Part EQ

PSR-1000	X
PSR-2000	O

*2 Vocal Harmony

PSR-1000	X
PSR-2000	O

MIDI PARAMETER CHANGE TABLE

* Not Received when Receive System Exclusive Message Parameters is set to off.
* Not transmitted when Transmit System Exclusive Message Parmeters is set to on.

MIDI Parameter Change table (XG SYSTEM)

PSR-1000	O
PSR-2000	O

O: available

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
00	00	00	4	00-0F	MASTER TUNE	-102.4...0...+102.3[cent]	*Panel setting value	O	X	O	O					O (Function)	X	X	O	X
		01		00-0F		1st bit 3-0 bit 15-12														
		02		00-0F		2nd bit 3-0 bit 11-8														
		03		00-0F		3rd bit 3-0 bit 7-4 4th bit 3-0 bit 3-0														
		04	1	00-7F	MASTER VOLUME	0...127	7F	O	X	O	O	X	X	X	X	X	X	X	O	X
		05	1	00-7F	MASTER ATTENUATOR	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		06	1	28-58	TRANSPOSE	-24...0...+24[semitones]	40	O	X	O	O	X	X	X	X	X	X	X	O	X
		7D	1	N	DRUM SETUP RESET	N: Drum setup number	-	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	X
		7E	1	00	XG SYSTEM ON	00=XG system ON	-	O	X	O	O	X	X	X	O	X	X	X	O	X
		7F	1	00	ALL PARAMETER RESET	00=ON	-	O	X	O	O	X	X	X	O	X	X	X	O	X

TOTAL SIZE 07

MIDI Parameter Change table (SYSTEM INFORMATION)

PSR-1000	O
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
01	00	00	E	20-7F	Model Name 1	32...127(ASCII CHARACTER)	-	-	-	-	-	-	-	-	X	X	X	X	O
		...		...	...	...													
		0D		20-7F	Model Name 14	32...127(ASCII CHARACTER)													
		0E	1		NOT USED														
		0F	1		NOT USED														

TOTAL SIZE 10

Transmitted in response to Dump Request. Not received.

MIDI Parameter Change table (EFFECT1)

PSR-1000	O
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	01	00	2	00-7F	REVERB TYPE MSB	Refer to Effect Parameter List	01(=HALL1)	O	O	X	O					O (Mixing Console)	X	O	O	X
				00-7F	REVERB TYPE LSB	˝	00													
		02	1	00-7F	REVERB PARAMETER 1	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console)	X	O	O	X
		03	1	00-7F	REVERB PARAMETER 2	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		04	1	00-7F	REVERB PARAMETER 3	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		05	1	00-7F	REVERB PARAMETER 4	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		06	1	00-7F	REVERB PARAMETER 5	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		07	1	00-7F	REVERB PARAMETER 6	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		08	1	00-7F	REVERB PARAMETER 7	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		09	1	00-7F	REVERB PARAMETER 8	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		0A	1	00-7F	REVERB PARAMETER 9	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		0B	1	00-7F	REVERB PARAMETER 10	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		0C	1	00-7F	REVERB RETURN	-∞dB...0dB...+6dB (0...96...127)	40	O	O	X	O					O (Mixing Console)	X	O	O	X
		0D	1	01-7F	REVERB PAN	L63...C...R63	40	O	O	X	O					X	X	O	O	X

TOTAL SIZE 0E

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	01	10	1	00-7F	REVERB PARAMETER 11	Refer to Effect Parameter List	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		11	1	00-7F	REVERB PARAMETER 12	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		12	1	00-7F	REVERB PARAMETER 13	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		13	1	00-7F	REVERB PARAMETER 14	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		14	1	00-7F	REVERB PARAMETER 15	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		15	1	00-7F	REVERB PARAMETER 16	˝	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X

TOTAL SIZE 06

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	01	20	2	00-7F 00-7F	CHORUS TYPE MSB CHORUS TYPE LSB	Refer to Effect Parameter List 〃	41(=CHORUS1) 00	O	O	X	O					O (Mixing Console)	X	O	O	X
		22	1	00-7F	CHORUS PARAMETER 1	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		23	1	00-7F	CHORUS PARAMETER 2	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		24	1	00-7F	CHORUS PARAMETER 3	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		25	1	00-7F	CHORUS PARAMETER 4	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		26	1	00-7F	CHORUS PARAMETER 5	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		27	1	00-7F	CHORUS PARAMETER 6	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		28	1	00-7F	CHORUS PARAMETER 7	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		29	1	00-7F	CHORUS PARAMETER 8	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		2A	1	00-7F	CHORUS PARAMETER 9	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		2B	1	00-7F	CHORUS PARAMETER 10	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		2C	1	00-7F	CHORUS RETURN	-∞dB...0dB...+6dB (0...96...127)	40	O	O	X	O					O (Mixing Console)	X	O	O	X
		2D	1	01-7F	CHORUS PAN	L63...C...R63	40	O	O	X	O					X	X	O	O	X
		2E	1	00-7F	SEND CHORUS TO REVERB	-∞dB...0dB...+6dB (0...96...127)	00	O	O	X	O					X	X	O	O	X
TOTAL SIZE			0F																	
02	01	30	1	00-7F	CHORUS PARAMETER 11	Refer to Effect Parameter List	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		31	1	00-7F	CHORUS PARAMETER 12	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		32	1	00-7F	CHORUS PARAMETER 13	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		33	1	00-7F	CHORUS PARAMETER 14	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		34	1	00-7F	CHORUS PARAMETER 15	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		35	1	00-7F	CHORUS PARAMETER 16	〃	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
TOTAL SIZE			06																	

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	01	40	2	00-7F 00-7F	VARIATION TYPE MSB VARIATION TYPE LSB	Refer to Effect Parameter List 〃	05(=DELAY L, C, R) 00	O	O	X	O					O (Mixing Console)	X	O	O	X
		42	2	00-7F 00-7F	VARIATION PARAMETER 1 MSB VARIATION PARAMETER 1 LSB	〃 〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		44	2	00-7F 00-7F	VARIATION PARAMETER 2 MSB VARIATION PARAMETER 2 LSB	〃 〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		46	2	00-7F 00-7F	VARIATION PARAMETER 3 MSB VARIATION PARAMETER 3 LSB	〃 〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		48	2	00-7F 00-7F	VARIATION PARAMETER 4 MSB VARIATION PARAMETER 4 LSB	〃 〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		4A	2	00-7F 00-7F	VARIATION PARAMETER 5 MSB VARIATION PARAMETER 5 LSB	〃 〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		4C	2	00-7F 00-7F	VARIATION PARAMETER 6 MSB VARIATION PARAMETER 6 LSB	〃 〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		4E	2	00-7F 00-7F	VARIATION PARAMETER 7 MSB VARIATION PARAMETER 7 LSB	〃 〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		50	2	00-7F 00-7F	VARIATION PARAMETER 8 MSB VARIATION PARAMETER 8 LSB	〃 〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		52	2	00-7F 00-7F	VARIATION PARAMETER 9 MSB VARIATION PARAMETER 9 LSB	〃 〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		54	2	00-7F 00-7F	VARIATION PARAMETER 10 MSB VARIATION PARAMETER 10 LSB	˝ ˝	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		56	1	00-7F	VARIATION RETURN	-∞dB...0dB...+6dB (0...96...127)	40	O	O	X	O					O (Mixing Console)	X	O	O	X
		57	1	00-7F	VARIATION PAN	L63...C...R63	40	O	O	X	O					X	X	O	O	X
		58	1	00-7F	SEND VARIATION TO REVERB	-∞dB...0dB...+6dB (0...96...127)	00	O	O	X	O					X	X	O	O	X
		59	1	00-7F	SEND VARIATION TO CHORUS	-∞dB...0dB...+6dB (0...96...127)	00	O	O	X	O					X	X	O	O	X
		5A	1	00-7F	VARIATION CONNECTION	INSERTION, SYSTEM	00	O	O	X	O					X	X	O	O	X
		5B	1	00-7F	VARIATION PART NUMBER	Reception: Part1...16(0...15) Transmission: Part1...16(0...15) AD(64) OFF(127)	7F	O	O	X	O					O (Mixing Console)	X	O	O	X
		5C	1	00-7F	MW VARIATION CONTROL DEPTH	-64...0...+63	40	O	O	X	O					X	X	O	O	X
		5D	1	00-7F	BEND VARIATION CONTROL DEPTH	-64...0...+63	40	O	O	X	O					X	X	O	O	X
		5E	1	00-7F	CAT VARIATION CONTROL DEPTH	-64...0...+63	40	O	O	X	O					X	X	O	O	X
		5F	1	00-7F	AC1 VARIATION CONTROL DEPTH	-64...0...+63	40	X	X	X	X					X	X	X	X	X
		60	1	01-7F	AC2 VARIATION CONTROL DEPTH	-64...0...+63	40	X	X	X	X					X	X	X	X	X

TOTAL SIZE 21

02	01	70	1	00-7F	VARIATION PARAMETER 11	Refer to Effect Parameter List	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		71	1	00-7F	VARIATION PARAMETER 12	˝	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		72	1	00-7F	VARIATION PARAMETER 13	˝	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		73	1	00-7F	VARIATION PARAMETER 14	˝	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		74	1	00-7F	VARIATION PARAMETER 15	˝	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		75	1	00-7F	VARIATION PARAMETER 16	˝	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X

TOTAL SIZE 06

MIDI Parameter Change table (MULTI EQ)

PSR-1000	X
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	40	00	1	00-04	EQ TYPE	flat, jazz, pops, rock, classic	O	O	X	O					X	X	X	O	X
		01	1	34-4C	EQ GAIN1	-12...0...+12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		02	1	04-28	EQ FREQUENCY1	32...2.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		03	1	01-78	EQ Q1	0.1...12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		04	1	00-01	EQ SHAPE1	shelving, peaking	O	O	X	O					X	X	X	O	X
		05	1	34-4C	EQ GAIN2	-12...0...+12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		06	1	0E-36	EQ FREQUENCY2	100...10.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		07	1	01-78	EQ Q2	0.1...12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		08	1		NOT USED		-	-	-	-					-	-	-	-	-
		09	1	34-4C	EQ GAIN3	-12...0...+12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		0A	1	0E-36	EQ FREQUENCY3	100...10.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		0B	1	01-78	EQ Q3	0.1...12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		0C	1		NOT USED		-	-	-	-					-	-	-	-	-
		0D	1	34-4C	EQ GAIN4	-12...0...+12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		0E	1	0E-36	EQ FREQUENCY4	100...10.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		0F	1	01-78	EQ Q4	0.1...12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		10	1		NOT USED		-	-	-	-					-	-	-	-	-
		11	1	34-4C	EQ GAIN5	-12...0...+12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		12	1	1C-3A	EQ FREQUENCY5	0.5k...16.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		13	1	01-78	EQ Q5	0.1...12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		14	1	00-01	EQ SHAPE5	shelving, peaking	O	O	X	O					X	X	X	O	X

TOTAL SIZE 05

The MULTI EQ Parameter cannot be reset to its factory setting with XG SYSTEM ON.

MIDI Parameter Change table (EFFECT2)

PSR-1000	X
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
03	n	00	2	00-7F 00-7F	INSERTION EFFECT TYPE MSB INSERTION EFFECT TYPE LSB	Refer to Effect Parameter List 〃	O	O	X	O					O (Mixing Console)	X	X	O	X
		02	1	00-7F	INSERTION EFFECT PARAMETER 1	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		03	1	00-7F	INSERTION EFFECT PARAMETER 2	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		04	1	00-7F	INSERTION EFFECT PARAMETER 3	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		05	1	00-7F	INSERTION EFFECT PARAMETER 4	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		06	1	00-7F	INSERTION EFFECT PARAMETER 5	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		07	1	00-7F	INSERTION EFFECT PARAMETER 6	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		08	1	00-7F	INSERTION EFFECT PARAMETER 7	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		09	1	00-7F	INSERTION EFFECT PARAMETER 8	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		0A	1	00-7F	INSERTION EFFECT PARAMETER 9	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		0B	1	00-7F	INSERTION EFFECT PARAMETER 10	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		0C	1	00-7F	INSERTION EFFECT PART NUMBER	Reception: Part1...16(0...15) Transmission: Part1...16(0...15) AD(64) OFF(127)	O	O	X	O					O (Mixing Console)	X	X	O	X
		0D	1	00-7F	MW INSERTION CONTROL DEPTH	-64...0...+63	O	O	X	O					X	X	X	O	X
		0E	1	00-7F	BEND INSERTION CONTROL DEPTH	-64...0...+63	O	O	X	O					X	X	X	O	X
		0F	1	00-7F	CAT INSERTION CONTROL DEPTH	-64...0...+63	O	O	X	O					X	X	X	O	X
		10	1	00-7F	AC1 INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X					X	X	X	X	X
		11	1	00-7F	AC2 INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X					X	X	X	X	X
TOTAL SIZE			12																
		20	1	00-7F	INSERTION EFFECT PARAMETER 11	Refer to Effect Parameter List	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		21	1	00-7F	INSERTION EFFECT PARAMETER 12	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		22	1	00-7F	INSERTION EFFECT PARAMETER 13	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		23	1	00-7F	INSERTION EFFECT PARAMETER 14	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		24	1	00-7F	INSERTION EFFECT PARAMETER 15	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		25	1	00-7F	INSERTION EFFECT PARAMETER 16	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
TOTAL SIZE			6																
		30	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 1 MSB INSERTION EFFECT PARAMETER 1 LSB	Refer to Effect Parameter List 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		32	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 2 MSB INSERTION EFFECT PARAMETER 2 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		34	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 3 MSB INSERTION EFFECT PARAMETER 3 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		36	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 4 MSB INSERTION EFFECT PARAMETER 4 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		38	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 5 MSB INSERTION EFFECT PARAMETER 5 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		3A	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 6 MSB INSERTION EFFECT PARAMETER 6 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		3C	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 7 MSB INSERTION EFFECT PARAMETER 7 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		3E	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 8 MSB INSERTION EFFECT PARAMETER 8 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		40	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 9 MSB INSERTION EFFECT PARAMETER 9 LSB	˝ ˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		42	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 10 MSB INSERTION EFFECT PARAMETER 10 LSB	˝ ˝	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X

TOTAL SIZE 14

The second byte of the address is considered as an Insertion effect number.
n: insertion effect number
For effect types that do not require MSB, the Parameters for Address 02-0B will be received and the Parameters for Address 30-42 will not be received.
For effect types that require MSB, the Parameters for Address 30-42 will be received and the Parameters for Address 02-0B will not be received.
When Bulk Dumps that include Effect Type data are transmitted, the Parameters for Address 02-0B will always be transmitted. But, effects that require MSB, when the bulk dump is received the Parameters for Address 02-0B will not be received.

*1 PSR-2000: n=0~2

MIDI Parameter Change table (SPECIAL EFFECT)

PSR-1000	X
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
04	00	00	2	00-7F 00-7F	INSERTION EFFECT TYPE MSBI NSERTION EFFECT TYPE LSB	Vocoder(89), Chordal(90), Detune(91), Chromatic(92), Thru(0...88, 93...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		02	1	00-7F	INSERTION EFFECT PARAMETER 1 Harmony Mode		X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		03	1	00-7F	INSERTION EFFECT PARAMETER 2 Harmony Gender Type	Off(0), Auto(1)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		04	1	00-7F	INSERTION EFFECT PARAMETER 3 Lead Gender Type	Off(0), Unison(1), Male(2), Female(3)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		05	1	00-7F	INSERTION EFFECT PARAMETER 4 Lead Gender Depth	-64...0...+63(0...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		06	1	00-7F	INSERTION EFFECT PARAMETER 5 Lead Pitch Correction	Free(0), Correct(1)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		07	1	00-7F	INSERTION EFFECT PARAMETER 6 Auto Upper Gender Threshold	0...12(0...12)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		08	1	00-7F	INSERTION EFFECT PARAMETER 7 Auto Lower Gender Threshold	0...12(0...12)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		09	1	00-7F	INSERTION EFFECT PARAMETER 8 Upper Gender Depth	-64...0...+63(0...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		0A	1	00-7F	INSERTION EFFECT PARAMETER 9 Lower Gender Depth	-64...0...+63(0...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		0B	1	00-7F	INSERTION EFFECT PARAMETER 10	L63>H...L=H...L<H63 (1...64...127)	X	O	X	X	X	X	X	X	O (MicSetting)	X	X	O	X
		0C	1	00-7F	INSERTION EFFECT PART NUMBER	AD(64), OFF(0...63, 65...127)	X	O	X	X	X	X	X	X	O (Vocal Harmony Sw)	X	X	O	X
		0D	1	00-7F	MW INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X	X	X	X	X	X	X	X	X	X
		0E	1	00-7F	BEND INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X	X	X	X	X	X	X	X	X	X
		0F	1	00-7F	CAT INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X	X	X	X	X	X	X	X	X	X
		10	1	00-7F	AC1 INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X	X	X	X	X	X	X	X	X	X
		11	1	00-7F	AC2 INSERTION CONTROL DEPTH	-64...0...+63	X	X	X	X	X	X	X	X	X	X	X	X	X

TOTAL SIZE 12

		14	1	00-7F	UNIQUE INSERTION EFFECT EXTERNAL CONTROL CH1 (HARMONY CHANNEL)	1...16(0...15), OFF(127)	X	O	X	X	X	X	X	X	O (MicSetting)	X	X	O	X
		15	1	00-7F	UNIQUE INSERTION EFFECT EXTERNAL CONTROL CH1 (MELODY CHANNEL)	1...16(0...15), OFF(127)	X	O	X	X	X	X	X	X	X	X	X	O	X

TOTAL SIZE 2

		20	1	00-7F	INSERTION EFFECT PARAMETER 11 Vibrate Depth	0...100cent(0...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		21	1	00-7F	INSERTION EFFECT PARAMETER 12 Vibrate Rate	0Hz(0), 0.1...12.7Hz(1...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		22	1	00-7F	INSERTION EFFECT PARAMETER 13 Vibrate DelayI	0...2.54sec(0...127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		23	1	00-7F	NSERTION EFFECT PARAMETER 14		X	X	X	X	X	X	X	X	X	X	X	X	X
		24	1	00-7F	INSERTION EFFECT PARAMETER 15		X	X	X	X	X	X	X	X	X	X	X	X	X
		25	1	00-7F	INSERTION EFFECT PARAMETER 16		X	X	X	X	X	X	X	X	X	X	X	X	X

TOTAL SIZE 6

The SPECIAL EFFECT Parameter cannot be reset to its factory setting with XG SYSTEM ON.

MIDI Parameter Change table (MULTI PART)

PSR-1000	O
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
08	nn	00	1	00-20	ELEMENT RESERVE	0...32	part10=00, other parts=02	O	X	X	O	X	X	X	X	X	X	X	O	X
		01	1	00-7F	BANK SELECT MSB	0...127	part10=7F, other parts =00	O	X	O	O	O	X	O	O	X	X	X	O	X
		02	1	00-7F	BANK SELECT LSB	0...127	00	O	X	O	O	O	X	O	O	X	X	X	O	X
		03	1	00-7F	PROGRAM NUMBER	0...127	00	O	X	O	O	O	X	O	O	X	X	X	O	X
		04	1	00-0F,7F	Rcv CHANNEL	1...16, OFF	Part No.	O	X	X	O	X	X	X	X	X	X	X	O	X
		05	1	00-01	MONO/POLY MODE	MONO, POLY	01	O	X	X	O	X	X	X	X	X	X	X	O	X
		06	1	00-02	SAME NOTE NUMBER KEY ON ASSIGN	SINGLE, MULTI, INST (for Drum)	01	O	X	X	O	X	X	O	X	X	X	X	O	X
		07	1	00-03	PART MODE	NORMAL, DRUM, DRUMS1...2	part10=02, other parts=00	O	X	O	O	X	X	X	X	O (Drum Voice)	X	X	O	X
		08	1	00-7F	CHANNEL TRANSPOSE	-24...0...+24[semitones]	40	O	X	O	O	O	X	O	O	X	X	X	O	X
		09 0A	2	00-0F 00-0F	DETUNE	-12.8...0...+12.7[Hz] 1st bit3-0 bit7-4 2nd bit3-0 bit3-0	08 00	O	X	O	O	O	X	O	O	X	X	X	O	X
		0B	1	00-7F	VOLUME	0...127	64	O	X	O	O	O	X	O	O	X	X	X	O	X
		0C	1	00-7F	VELOCITY SENSE DEPTH	0...127	40	O	X	O	O	O	X	X	O	O (Sound Creator)	O	X	O	X
		0D	1	00-7F	VELOCITY SENSE OFFSET	0...127	40	O	X	O	O	O	X	X	O	O (Sound Creator)	O	X	O	X
		0E	1	00-7F	PAN	RND, L63...C...R63	40	O	X	O	O	O	X	O	O	X	X	X	O	X
		0F	1	00-7F	NOTE LIMIT LOW	C-2...G8	00	O	X	X	O	X	X	X	X	X	X	X	O	X
		10	1	00-7F	NOTE LIMIT HIGH	C-2...G8	7F	O	X	X	O	X	X	X	X	X	X	X	O	X
		11	1	00-7F	DRY LEVEL	0...127	7F	O	X	X	O	O	X	O	O	O (Sound Creator)	O	X	O	X
		12	1	00-7F	CHORUS SEND	0...127	00	O	X	O	O	O	X	O	O	X	X	X	O	X
		13	1	00-7F	REVERB SEND	0...127	28	O	X	O	O	O	X	O	O	X	X	X	O	X
		14	1	00-7F	VARIATION SEN	0...127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		15	1	00-7F	DVIBRATO RATE	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		16	1	00-7F	VIBRATO DEPTH	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		17	1	00-7F	VIBRATO DELAY	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		18	1	00-7F	FILTER CUTOFF FREQUENCY	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		19	1	00-7F	FILTER RESONANCE	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1A	1	00-7F	EG ATTACK TIME	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1B	1	00-7F	EG DECAY TIME	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1C	1	00-7F	EG RELEASE TIME	-64...0...+63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1D	1	28-58	MW PITCH CONTROL	-24...0...+24[semitones]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1E	1	00-7F	MW LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1F	1	00-7F	MW AMPLITUDE CONTROL	-100...0...+100[%]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		20	1	00-7F	MW LFO PMOD DEPTH	0...127	0A	O	X	X	O	O	X	O	O	X	X	X	O	X
		21	1	00-7F	MW LFO FMOD DEPTH	0...127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		22	1	00-7F	MW LFO AMOD DEPTH	0...127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		23	1	28-58	BEND PITCH CONTROL	-24...0...+24[semitones]	42	O	X	O	O	O	X	O	O	X	X	X	O	X
		24	1	00-7F	BEND LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		25	1	00-7F	BEND AMPLITUDE CONTROL	-100...0...+100[%]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		26	1	00-7F	BEND LFO PMOD DEPTH	0...127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		27	1	00-7F	BEND LFO FMOD DEPTH	0...127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		28	1	00-7F	BEND LFO AMOD DEPTH	0...127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
TOTAL SIZE			29																	
		30	1	00-01	Rcv PITCH BEND	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		31	1	00-01	Rcv CH AFTER TOUCH (CAT)	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		32	1	00-01	Rcv PROGRAM CHANGE	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		33	1	00-01	Rcv CONTROL CHANGE	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		34	1	00-01	Rcv POLY AFTER TOUCH (PAT)	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		35	1	00-01	Rcv NOTE MESSAGE	OFF, ON	01	O	X	O	O	X	X	X	X	X	X	X	O	X
		36	1	00-01	Rcv RPN	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		37	1	00-01	Rcv NRPN	OFF, ON	XG mode=01, GM mode=00	X	X	X	X	X	X	X	X	X	X	X	X	X
		38	1	00-01	Rcv MODULATION	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		39	1	00-01	Rcv VOLUME	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		3A	1	00-01	Rcv PAN	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		3B	1	00-01	Rcv EXPRESSION	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		3C	1	00-01	Rcv HOLD1	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		3D	1	00-01	Rcv PORTAMENTO	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		3E	1	00-01	Rcv SOSTENUTO	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		3F	1	00-01	Rcv SOFT PEDAL	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		40	1	00-01	Rcv BANK SELECT	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		41	1	00-7F	SCALE TUNING C	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		42	1	00-7F	SCALE TUNING C#	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		43	1	00-7F	SCALE TUNING D	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		44	1	00-7F	SCALE TUNING D#	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		45	1	00-7F	SCALE TUNING E	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		46	1	00-7F	SCALE TUNING F	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		47	1	00-7F	SCALE TUNING F#	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		48	1	00-7F	SCALE TUNING G	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		49	1	00-7F	SCALE TUNING G#	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		4A	1	00-7F	SCALE TUNING A	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		4B	1	00-7F	SCALE TUNING A#	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		4C	1	00-7F	SCALE TUNING B	-63...0...+63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		4D	1	28-58	CAT PITCH CONTROL	-24...0...+24[semitones]	40	O	X	X	O	O	X	X	O	X	X	X	O	X
		4E	1	00-7F	CAT LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	O	X	X	O	O	X	X	O	X	X	X	O	X
		4F	1	00-7F	CAT AMPLITUDE CONTROL	-100...0...+100[%]	40	O	X	X	O	O	X	X	O	X	O	X	O	X
		50	1	00-7F	CAT LFO PMOD DEPTH	0...127	00	O	X	X	O	O	X	X	O	X	O	X	O	X
		51	1	00-7F	CAT LFO FMOD DEPTH	0...127	00	O	X	X	O	O	X	X	O	X	X	X	O	X
		52	1	00-7F	CAT LFO AMOD DEPTH	0...127	00	O	X	X	O	O	X	X	O	X	X	X	O	X
		53	1	28-58	PAT PITCH CONTROL	-24...0...+24[semitones]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		54	1	00-7F	PAT LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		55	1	00-7F	PAT AMPLITUDE CONTROL	-100...0...+100[%]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		56	1	00-7F	PAT LFO PMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		57	1	00-7F	PAT LFO FMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		58	1	00-7F	PAT LFO AMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		59	1	00-5F	AC1 CONTROLLER NUMBER	0...95	10	X	X	X	X	X	X	X	X	X	X	X	X	X
		5A	1	28-58	AC1 PITCH CONTROL	-24...0...+24[semitones]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		5B	1	00-7F	AC1 LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		5C	1	00-7F	AC1 AMPLITUDE CONTROL	-100...0...+100[%]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		5D	1	00-7F	AC1 LFO PMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		5E	1	00-7F	AC1 LFO FMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		5F	1	00-7F	AC1 LFO AMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		60	1	00-5F	AC2 CONTROLLER NUMBER	0...95	11	X	X	X	X	X	X	X	X	X	X	X	X	X
		61	1	28-58	AC2 PITCH CONTROL	-24...0...+24[semitones]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		62	1	00-7F	AC2 LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		63	1	00-7F	AC2 AMPLITUDE CONTROL	-100...0...+100[%]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		64	1	00-7F	AC2 LFO PMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		65	1	00-7F	AC2 LFO FMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		66	1	00-7F	AC2 LFO AMOD DEPTH	0...127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		67	1	00-01	PORTAMENTO SWITCH	OFF, ON	00	O	X	X	O	O	X	X	O	X	X	X	O	X
		68	1	00-7F	PORTAMENTO TIME	0...127	00	O	X	X	O	O	X	X	O	X	X	X	O	X
		69	1	00-7F	PITCH EG INITIAL LEVEL	-64...0...+63	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		6A	1	00-7F	PITCH EG ATTACK TIME	-64...0...+63	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		6B	1	00-7F	PITCH EG RELEASE LEVEL	-64...0...+63	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		6C	1	00-7F	PITCH EG RELEASE TIME	-64...0...+63	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		6D	1	01-7F	VELOCITY LIMIT LOW	1...127	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		6E	1	01-7F	VELOCITY LIMIT HIGH	1...127	7F	X	X	X	X	X	X	X	X	X	X	X	X	X
TOTAL SIZE			3F																	

		70	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		71	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		72	1	00-7F	EQ BASS GAIN	-12dB...+12dB	40	O (*2)	X	X	O (*2)	O (*2)	X	O (*2)	O (*2)	O (Mixing Console) (*2)	O	O	O	X
		73	1	00-7F	EQ TREBLE GAIN	-12dB...+12dB	40	O (*2)	X	X	O (*2)	O (*2)	X	O (*2)	O (*2)	O (Mixing Console) (*2)	O	O	O	X
TOTAL SIZE			04																	

		74	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		75	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		76	1	04-28	EQ BASS FREQUENCY	32...2.0k[Hz]	0C	O (*2)	X	X	O (*2)	O (*2)	X	X	O (*2)	O (Sound Creator) (*2)	O	X	O	X
		77	1	1C-3A	EQ TREBLE FREQUENCY	500...16.0k[Hz]	36	O (*2)	X	X	O (*2)	O (*2)	X	X	O (*2)	O (Sound Creator) (*2)	O	X	O	X
		78	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		79	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL SIZE			0C																	

nn = PART NUMBER

If there is a Drum Voice assigned to the part, the following parameters are ineffective.

- BANK SELECT LSB
- MONO/POLY MODE
- SCALE TUNING
- PORTAMENTO
- PITCH EG
- FILTER MODULATION DEPTH (FMOD DEPTH)
- AMPLITUDE MODULATION DEPTH (AMOD DEPTH)

*2 On CVP-203/205, PSR-2000, the following parameters are not accepted, or are not transmitted by the Panel operations.

- EQ BASS GAIN
- EQ TREBLE GAIN
- EQ BASS FREQUENCY
- EQ TREBLE FREQUENCY

MIDI Parameter Change table (A/D PART)

PSR-1000	X
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
10	00	00	1	00-01	INPUT GAIN	MIC, LINE	X	X	X	X	X	X	X	X	X	X	X	X	X
		01	1	00-7F	BANK SELECT MSB	0...127	X	X	X	X	X	X	X	X	X	X	X	X	X
		02	1	00-7F	BANK SELECT LSB	0...127	X	X	X	X	X	X	X	X	X	X	X	X	X
		03	1	00-7F	PROGRAM NUMBER	0...127	X	X	X	X	X	X	X	X	X	X	X	X	X
		04	1	00-1F,7F	Rcv CHANNEL	1...16,OFF	X	O	X	X	X	X	X	X	X	X	X	O	X
		05	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		06	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		07	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		08	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		09	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		0A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		0B	1	00-7F	VOLUME	0...127	X	O	X	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		0C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		0D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		0E	1	01-7F	PAN	L63...C...R63	X	O	X	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		0F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		10	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		11	1	00-7F	DRY LEVEL		X	O	X	X	X	X	X	X	-	X	X	O	X
		12	1	00-7F	CHORUS SEND		X	O	X	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		13	1	00-7F	REVERB SEND		X	O	X	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		14	1	00-7F	VARIATION SEND		X	O	X	X	X	X	X	X	-	X	X	O	X
TOTAL SIZE			15																

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
10	0n	30	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		31	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		32	1	00-01	Rcv PROGRAM CHANGE	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		33	1	00-01	Rcv CONTROL CHANGE	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		34	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		35	1	00-01	MUTE	ON, OFF	X	X	X	X	X	X	X	X	X	X	X	X	X
		36	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		37	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		38	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		39	1	00-01	Rcv VOLUME	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		3A	1	00-01	Rcv PAN	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		3B	1	00-01	Rcv EXPRESSION	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		3C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		3D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		3E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		3F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		40	1	00-01	Rcv BANK SELECT	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		41	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		42	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		43	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		44	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		45	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		46	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		47	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		48	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		49	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		50	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		51	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		52	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		53	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		54	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		55	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		56	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		57	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		58	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		59	1	00-5F	AC1 CONTROLLER NUMBER	0...95	X	X	X	X	X	X	X	X	X	X	X	X	X
		5A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		60	1	00-5F	AC2 CONTROLLER NUMBER	0...95	X	X	X	X	X	X	X	X	X	X	X	X	X

TOTAL SIZE 31

The A/D PART Parameter cannot be reset to its factory setting with XG SYSTEM ON.

MIDI Parameter Change table (DRUM SETUP)

PSR-1000	O
PSR-2000	O

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
10	rr	00	1	00-7F	PITCH COARSE	-64...0...+63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		01	1	00-7F	PITCH FINE	-64...0...+63[cent]	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		02	1	00-7F	LEVEL	0...127	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		03	1	00-7F	ALTERNATE GROUP	OFF, 1...127	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	X
		04	1	00-7F	PAN	RND, L63...C...R63	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		05	1	00-7F	REVERB SEND	0...127	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		06	1	00-7F	CHORUS SEND	0...127	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		07	1	00-7F	VARIATION SEN	0...127	7F	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		08	1	00-01	DKEY ASSIGN	SINGLE, MULTI	00	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	X
		09	1	00-01	Rcv NOTE OFF	OFF, ON	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	X
		0A	1	00-01	Rcv NOTE ON	OFF, ON	01	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	X
		0B	1	00-7F	LOW PASS FILTER CUTOFF FREQUENCY	-64...0...+63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		0C	1	00-7F	LOW PASS FILTER RESONANCE	-64...0...+63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		0D	1	00-7F	EG ATTACK RATE	-64...0...+63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		0E	1	00-7F	EG DECAY1 RATE	-64...0...+63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		0F	1	00-7F	EG DECAY2 RATE	-64...0...+63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X

TOTAL SIZE 10

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		20	1	00-7F	EQ BASS GAIN	-12...+12[dB]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		21	1	00-7F	EQ TREBLE GAIN	-12...+12[dB]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		22	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		23	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		24	1	04-28	EQ BASS FREQUENCY	32...2.0k[Hz	0C	X	X	X	X	X	X	X	X	X	X	X	X	X
		25	1	1C-3A	EQ TREBLE FREQUENCY	]500...16.0k[Hz]	36	X	X	X	X	X	X	X	X	X	X	X	X	X
		26	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		27	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		28	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		29	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL SIZE				0E																

n: Drum Setup Number (0-1)
rr: note number (0D-5B)

In the following cases, the CVP/PSR will initialize all Drum Setups.
XG SYSTEM ON received
GM SYSTEM ON received
DRUM SETUP RESET received (only when in XG mode)

[Note]
When a part to which a Drum Setup is assigned receives a program change, the assigned Drum Setup will be initialized.
If the same Drum Setup is assigned to two or more parts, changes in Drum Setup parameters (including program changes) will apply to all parts to which it is assigned.

SYSTEM EXCLUSIVE MESSAGES

* Not received when the Receive System Exclusive Message is set to off.
* Not transmitted when the Transmit System Exclusive Message is set to on.

System Exclusive Messages

O: available

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Section Control	F0 43 7E 00 ss dd F7 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 01111110 7E= Style 00000000 00= 0sssssss ss= Switch No. 00H INTRO A 01H INTRO B 02H INTRO C 03H INTRO D 08H MAIN A 09H MAIN B 0AH MAIN C 0BH MAIN D 10H FILL IN AA 11H FILL IN BB 12H FILL IN CC 13H FILL IN DD 18H BREAK FILL 20H ENDING A 21H ENDING B 22H ENDING C 23H ENDING D 0ddddddd dd= Switch On/Off 00H (Off) 7HF (On) 11110111 F7= End of Exclusive	-	-	-	-	-	-	-	-	O (Section LED)	O (Section Sw)	X	X	O	X
Tempo Control	F0 43 7E 01 t4 t3 t2 t1 F7 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 01111110 7E= Style 00000001 01= 0ttttttt t4= tempo4 0ttttttt t3= tempo3 0ttttttt t2= tempo2 0ttttttt t1= tempo1 11110111 F7= End of Exclusive	-	-	-	-	-	-	-	-	O (Tempo indication)	O (Tempo Sw)	X	X	O	X
Chord Control	F0 43 7E tt d1 d2 d3 d4 F7 Type 1 (tt=2) 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 01111110 7E= Style 00000010 02= type 1 0ddddddd d1= chord root(cr) 0ddddddd d2= chord type(ct) 0ddddddd d3= bass note(bn) 0ddddddd d4= bass type(bt) 11110111 F7= End of Exclusive cr: Chord Root 0fffnnnn fff: b or #, nnnn: note(root) 0000nnnn 0n bbb 0fff0000 x0 reserved 0001nnnn 1n bb 0fff0001 x1 C 0010nnnn 2n b 0fff0010 x2 D 0011nnnn 3n natural 0fff0011 x3 E 0100nnnn 4n # 0fff0100 x4 F 0101nnnn 5n ## 0fff0101 x5 G 0110nnnn 6n ### 0fff0110 x6 A 0fff0111 x7 B ct: Chord Type 0 - 34,127 00000000 00 0 Maj 00010010 12 18 dim7 00000001 01 1 Maj6 00010011 13 19 7th 00000010 02 2 Maj7 00010100 14 20 7sus4 00000011 03 3 Maj7(#11) 00010101 15 21 7b5 00000100 04 4 Maj(9) 00010110 16 22 7(9) 00000101 05 5 Maj7(9) 00010111 17 23 7(#11) 00000110 06 6 Maj6(9) 00011000 18 24 7(13) 00000111 07 7 aug 00011001 19 25 7(b9) 00001000 08 8 min 00011010 1A 26 7(b13) 00001001 09 9 min6 00011011 1B 27 7(#9) 00001010 0A 10 min7 00011100 1C 28 Maj7aug 00001011 0B 11 min7b5 00011101 1D 29 7aug 00001100 0C 12 min(9) 00011110 1E 30 1+8 00001101 0D 13 min7(9) 00011111 1F 31 1+5 00001110 0E 14 min7(11) 00100000 20 32 sus4 00001111 0F 15 minMaj7 00100001 21 33 1+2+5 00010000 10 16 minMaj7(9) 00100010 22 34 cc 00010001 11 17 dim bn : On Bass Chord Same as Chord root 127:No bass chord bt : Bass Chord Same as Chord type 127:No bass chord * Not received when Receive Chord System Exclusive Message is set to off. * Not transmitted when Transmit Chord System Exclusive Message is set to on.	-	-	-	-	-	-	-	-	O (Chord indication)	O (Keyboard)	X	X	O	X
	Type 2 (tt=3) 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 01111110 7E= Style 00000011 03= type 2 0ddddddd dd= note1 0ddddddd dd= note2 0ddddddd dd= note3 : : 0ddddddd dd= note10 11110111 F7= End of Exclusive	-	-	-	-	-	-	-	-	O (Chord indication)	X	X	X	X	X

System Exclusive Messages (Universal Realtime messages)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Master Volume	F0 7F 7F 04 01 ll mm F7 11110000 F0= Exclusive status 01111111 7F= Universal Real Time 01111111 7F= ID of target device 00000100 04= Sub-ID #1=Device Control Message 00000001 01= Sub-ID #2=Master Volume 0lllllll ll= Volume LSB 0mmmmmmm mm= Volume MSB 11110111 F7= End of Exclusive or F0 7F XN 04 01 ll mm F7 11110000 F0= Exclusive status 01111111 7F= Universal Real Time 0xxxnnnn XN= When N is received N=0-F, whichever is received. X=ignored 00000100 04= Sub-ID #1=Device Control Message 00000001 01= Sub-ID #2=Master Volume 0lllllll ll= Volume LSB 0mmmmmmm mm= Volume MSB 11110111 F7= End of Exclusive	O	-	O	O	x	X	X	X	X	X	X	X	X (Output as XG Master Volume)	X

System Exclusive Messages (Universal Non Realtime messages)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
General MIDI System On	F0 7E 7F 09 01 F7 11110000 F0= Exclusive status 01111111 7F= Universal Real Time 01111111 7F= ID of target device 00001001 09= Sub-ID #1=General MIDI Message 00000001 01= Sub-ID #2=General MIDI On 11110111 F7= End of Exclusive or F0 7E XN 09 01 F7 11110000 F0= Exclusive status 01111111 7F= Universal Real Time 0xxxnnnn XN= When N is received N=0-F,whichever is received. X=ignored 00001001 09= Sub-ID #1=General MIDI Message 00000001 01= Sub-ID #2=General MIDI On 11110111 F7= End of Exclusive	O	-	O	O	x	X	X	O	O (Mixing Console)	X	X	X	O	X

System Exclusive Messages (XG)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
XG Parameter Change	F0 43 1n 4C hh mm ll dd ... F7 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 0001nnnn 1n= Device Number n=always 0 (when transmit), n=0-F (when recieve) 01001100 4C= Model ID 0hhhhhhh hh= Address High 0mmmmmmm mm= Address Mid 0lllllll ll= Address Low 0ddddddd dd= Data : 11110111 F7= End of Exclusive	*Refer to Parameter Change Table			*Refer to Parameter Change Table					-	*Refer to Parameter Change Table				O (When receiving the XG Parameter Request)
XG Bulk Dump	F0 43 0n 4C aa bb hh mm ll dd ... dd cc F7 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 0000nnnn 0n= Device Number n=always 0 (when transmit), n=0-F (when recieve) 01001100 4C= Model ID 0aaaaaaa aa= Byte Count MSB 0bbbbbbb bb= Byte Count LSB 0hhhhhhh hh= Address High 0mmmmmmm mm= Address Mid 0lllllll ll= Address Low 0ddddddd dd= Data : 0ddddddd dd= Data 0ccccccc cc= Checksum 11110111 F7= End of Exclusive	*Refer to Parameter Change Table			*Refer to Parameter Change Table					-	X	X	X	X (Output as Parameter Change	O (When receiving the XG Dump Request)
XG Parameter Request	F0 43 3n 4C hh ll F7 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 0011nnnn 3n= Device Number n=always 0 (when transmit), n=0-F (when recieve) 01001100 4C= Model ID 0hhhhhhh hh= Address High 0mmmmmmm mm= Address Mid 0lllllll ll= Address Low 0ddddddd dd= Data 11110111 F7= End of Exclusive	-	-	-	-	-	-	-	-	O (-)	X	X	X	X	X
XG Dump Request	F0 43 2n 4C hh mm ll F7 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 0010nnnn 2n= Device Number n=always 0 (when transmit), n=0-F (when recieve) 01001100 4C= Model ID 0hhhhhhh hh= Address High 0mmmmmmm mm= Address Mid 0lllllll ll= Address Low 0ddddddd dd= Data 11110111 F7= End of Exclusive	-	-	-	-	-	-	-	-	O (-)	X	X	X	X	X

System Exclusive Messages (Clavinova compliance)

```
11110000 F0= Exclusive status
01000011 43= YAMAHA ID
01110011 73= Clavinova ID
    :          :
11110111 F7= End of Exclusive
```

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Internal Clock	F0 43 73 01 02 F7 00000001 01= Model ID (Clavinova common ID) 00000010 02= Internal Clock Substatus	-	-	-	X	X	X	X	X	O (Function)	X	X	X	X	X
External Clock	F0 43 73 01 03 F7 00000001 01= Model ID (Clavinova common ID) 00000011 03= External Clock Substatus	-	-	-	X	X	X	X	X	O (Function)	X	X	X	X	X
Organ Flutes data Bulk Dump	F0 43 73 01 06 0B 00 00 01 06 0n [Bulk Data] sum F7 01H Model ID (Clavinova common ID) 06H Bulk ID 0BH Bulk No. (Organ Flutes data Bulk Dump) 00H, 00H, 01H, 06H Data Length :16bytes 1st Channel No. 0nH 2nd Footage [1'] 00 - mmH mm : maximum 3rd [1 1/3'] 00 - mmH 5th [2'] 00 - mmH 6th [2 2/3'] 00 - mmH 7th [4'] 00 - mmH 8th [5 1/3'] 00 - mmH 9th [8'] 00 - mmH 10th [16'] 00 - mmH 11th [Attack 2'] 00 - mmH 12th [Attack 2 2/3'] 00 - mmH 13th [Attack 4'] 00 - mmH 14th Settings [Attack Length] 00 - mmH 15th [Response] 00 - mmH 16th [Attack Mode] 00 - 01H 00H: Each, 01H: First 17th [Wave Variation] 00 - 01H 00H: Sine, 01H: Tone Wheel 18th [Volume] 01 - vvH vv: maximum 19th [aux] 00H 20th [aux] 00H 21th [aux] 00H 22th [aux] 00H sum Check Sum = 0-sum(BULK DATA) PSR-1000 X - - PSR-2000 O mm=7 vv=8	O (Organ Flute)	X	X	O	O	X	X	O	O (Sound Creator)	O (Sound Creator)	X	X	O	X

System Exclusive Messages Special Operators

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Volume & Expression & Pan Realtime control off (Voice Reserve)	F0 43 73 01 11 0n 45 dd F7 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 01110011 73= Clavinova ID 00000001 01= Model ID (Clavinova common ID) 00010001 11= Special Operators 0000nnnn 0n= Channel No. 01000101 45= Volume & Expression Control No. Substatus 0ddddddd dd= data (00H : Realtime On, 7FH : Realtime Off) 11110111 F7= End of Exclusive	O	-	O	O	x	X	X	X	X	X	X	X	O	X

System Exclusive Messages Special Operators (Vocal Harmony Additional Parameters)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Vocal Harmony Pitch to Note ON/OFF	F0 43 73 01 11 0n 50 00 ss F7 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 01110011 73= Clavinova ID 00000001 01= Model ID (Clavinova common ID) 00010001 11= Special Operators 0000nnnn 0n= Channel No. (Always 00) 01010000 50= Vocal Harmony Additional Parameter Control No. 00000000 00= Pitch to Note Parameter No. 0ddddddd dd= data (00H : Off, 01H : On) 11110111 F7= End of Exclusive PSR-1000 X PSR-2000 O	X	O	X	X	X	X	X	X	X	O (Vocal Harmony Edit)	O (Vocal Harmony Edit)	X	X	O	X
Vocal Harmony Pitch to Note Part	F0 43 73 01 11 00 50 01 ss F7 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 01110011 73= Clavinova ID 00000001 01= Model ID (Clavinova common ID) 00010001 11= Special Operators 0000nnnn 0n= Channel No. (Always 00) 01010000 50= Vocal Harmony Additional Parameter Control No. 00000001 01= Pitch to Note Parameter No. 0ddddddd dd= data 00H : Main 01H : Layer 02H : Left 04H : Upper 11110111 F7= End of Exclusive PSR-1000 X PSR-2000 O	X	O	X	X	X	X	X	X	X	O (Vocal Harmony Edit)	O (Vocal Harmony Edit)	X	X	O	X

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Vocal Harmony Vocoder Part (Harmony Part (Panel))	F0 43 73 01 11 00 50 10 ss F7 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 01110011 73= Clavinova ID 00000001 01= Model ID (Clavinova common ID) 00010001 11= Special Operators 0000nnnn 0n= Channel No. (Always 00) 01010000 50= Vocal Harmony Additional Parameter Control No. 00010000 10= Vocoder Part Parameter No. 0ddddddd dd= data 00H : Off 01H : Upper 02H : Lower 11110111 F7= End of Exclusive PSR-1000 X PSR-2000 O	X	O	X	X	X	X	X	X	O (Mic Setting)	O (Mic Setting)	X	X	O	X

System Exclusive Messages (Others)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
MIDI Master Tuning	F0 43 1n 27 30 00 00 mm ll cc F7 11110000 F0= Exclusive status 01000011 43= YAMAHA ID 0001nnnn 1nn= always 0(when transmit), n=0-F(when receive) 00100111 27= Model ID of TG100 00110000 30= Address High 00000000 00= Address Mid 00000000 00= Address Low 0000mmmm 0m= Master Tune MSB 0000llll 0l= Master Tune LSB 0ccccccc cc= don't care 11110111 F7= End of Exclusive	O	X	O	O					O (Function)	X	X	X	X	X

PORTATONE

PSR-1000/PSR-2000

PARTS LIST

CONTENTS

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Notes: DESTINATION ABBREVIATIONS

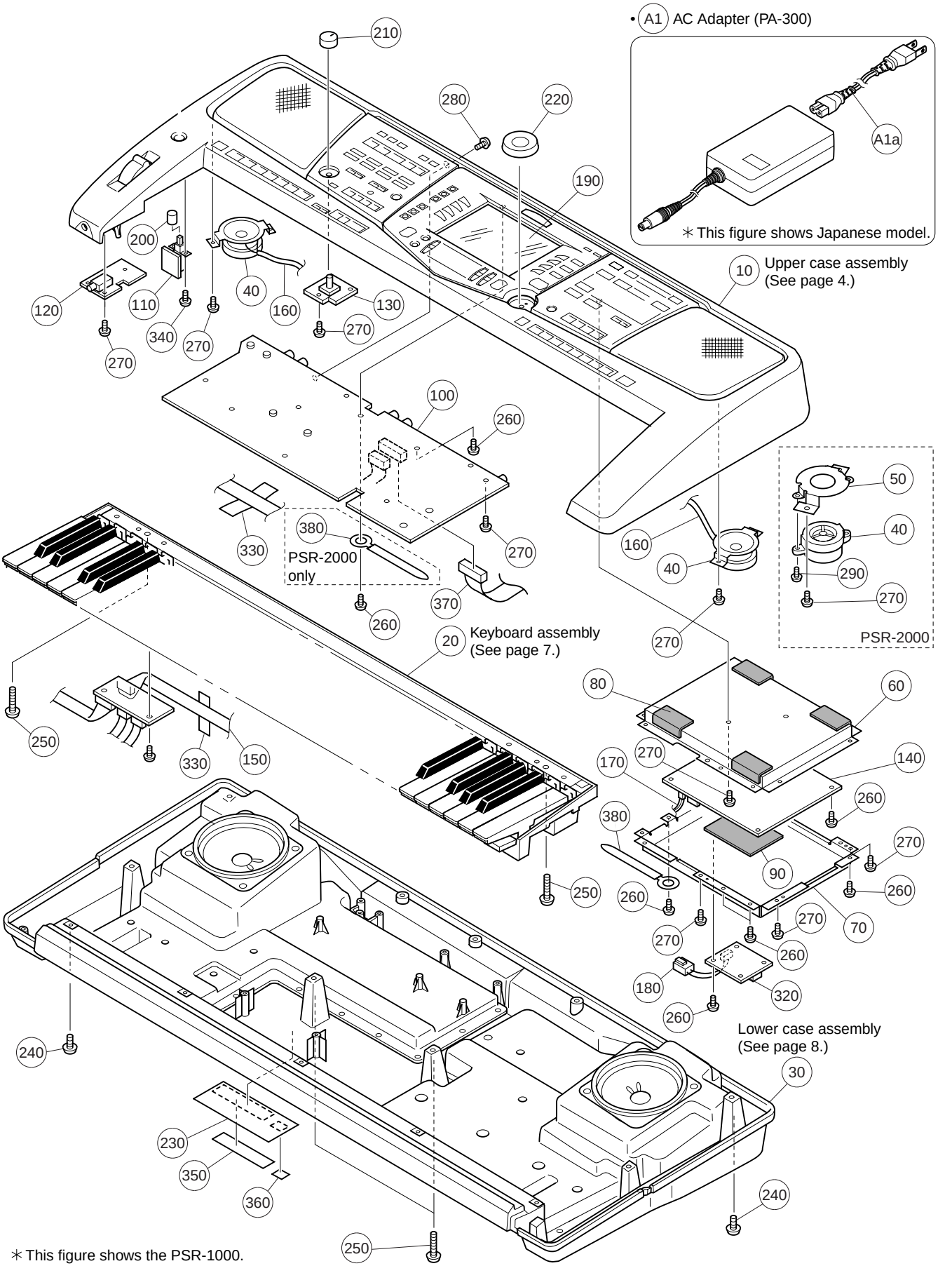
A:	Australian model	M:	South African model
B:	British model	O:	Chinese model
C:	Canadian model	Q:	South-east Asia model
D:	German model	T:	Taiwan model
E:	European model	U:	U.S.A. model
F:	French model	V:	General export model (110 V)
H:	North European model	W:	General export model (220 V)
I :	Indonesian model	N,X:	General export model
J :	Japanese model	Y:	Export model

WARNING

Components having special characteristics are marked ⚠ and must be replaced with parts having specification equal to those originally installed.

- The numbers in " QTY " show quantities for each unit.
- The parts with " **- -** " in " **PART NO.** " are not available as spare parts.
- The mark " } " in the remarks column indicates that these parts are interchangeable.
- The second letter of the shaded ( ) part number is O, not zero.
- The second letter of the shaded ( ) part number is I, not one.

OVERALL ASSEMBLY

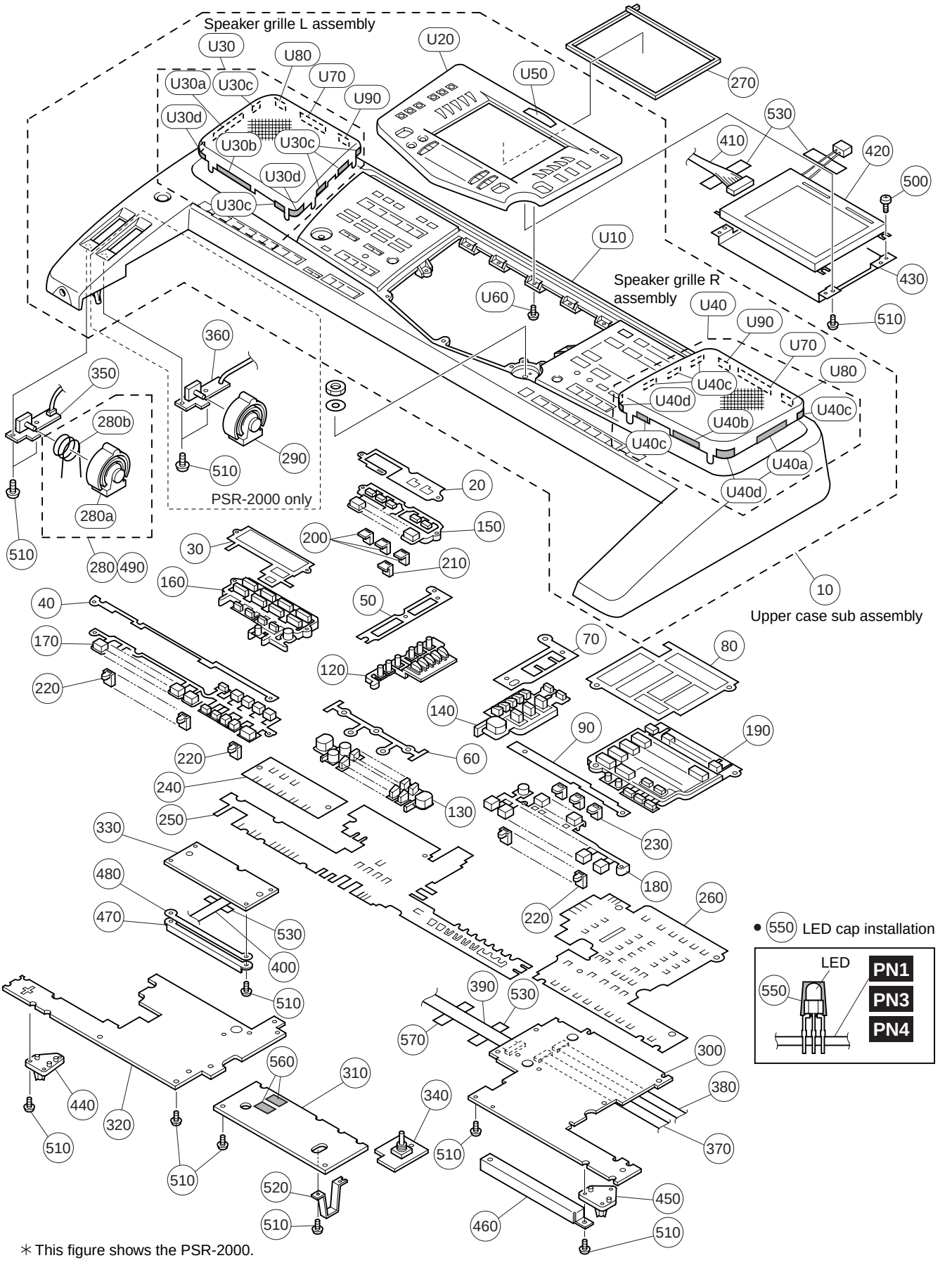


	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
			OVERALL ASSEMBLY			PSR-1000/PSR-2000		
		--	Overall Assembly			PSR-1000 (V765170)		
		--	Overall Assembly			PSR-2000 (V765180)		
	10	--	Upper Case Assembly			PSR-1000 (V765350)		
	10	--	Upper Case Assembly			PSR-2000 (V765370)		
*	20	**V7632100**	Keyboard Assembly	16M C61 P2M MKS5				
	30	--	Lower Case Assembly			PSR-1000 (V765930)		
	30	--	Lower Case Assembly			PSR-2000 (V765940)		
	40	**XV910A00**	Speaker	5.0cm 4ohm		PSR-1000: TWEETER	2	05
*	40	**X0215A00**	Speaker	2.0cm 3ohm		PSR-2000: TWEETER	2	
	50	--	Speaker Holder			PSR-2000 (V748080)	2	
	60	--	Shield Cover U	UPPER		(V765410)		
	70	--	Shield Cover L	LOWER		(V765430)		
	80	--	Cushion	35X25XT1		(V776290)	4	
	90	--	Cushion	70X50XT1		(V776300)		
*	100	**V7749400**	Circuit Board	AM		PSR-1000		
*	100	**V7749800**	Circuit Board	AM		PSR-2000		
*	110	**V7749500**	Circuit Board	SW		PSR-1000		
*	110	**V7749900**	Circuit Board	SW		PSR-2000		
*	120	**V7749600**	Circuit Board	HP		PSR-1000		
*	120	**V7750000**	Circuit Board	HP		PSR-2000		
*	130	**V7749700**	Circuit Board	VR		PSR-1000		
*	130	**V7750100**	Circuit Board	VR		PSR-2000		
*	140	**V7637700**	Circuit Board	DM		PSR-1000		
*	140	**V7637800**	Circuit Board	DM		PSR-2000		
	150	--	Connector Assembly	KB 6P		(V778240)		
	160	--	Connector Assembly	TW XH 4P L=800		(V778260)		
	170	--	Connector Assembly	INVP PH 2P L=200		(V778270)		
	180	--	Connector Assembly	INV XH 4P L=100		(V778280)		
*	190	**V7654600**	LCD Cover					
	200	**VQ218800**	Knob Red			STANDBY/ON		03
	210	**VU432400**	Knob Black			MASTER VOLUME		01
*	220	**V7761500**	Encoder Knob Silver			PSR-1000: DATA ENTRY		
	220	**V4561900**	Encoder Knob Gold			PSR-2000: DATA ENTRY		05
	230	--	Name Plate			PSR-1000 (V765470)		
	230	--	Name Plate			PSR-2000 (V765480)		
	240	**EP600300**	Bind Head Tapping Screw-P	3.0X12 MFZN2Y			16	01
	250	**VK228100**	Bind Head Tapping Screw-P	3.0X25 MFZN2Y			4	01
	260	**EP600130**	Bind Head Tapping Screw-B	3.0X6 MFZN2Y			18	01
	270	**EP600280**	Bind Head Tapping Screw-P	3.0X8 MFZN2Y			25	01
	280	**EP600230**	Bind Head Tapping Screw-B	3.0X6 MFZN2BL			4	01
	290	**EP600370**	Bind Head Tapping Screw-B	4.0X6 MFZN2BL		PSR-2000	4	01
	320	**V4200400**	Circuit Board	INV				07
	330	**VA126100**	Adhesive Tape	12X50		PSR-1000	16	03
	330	**VA126100**	Adhesive Tape	12X50		PSR-2000	18	03
	340	**EP600420**	Flat Head Tapping Screw-B	3.0X8 MFZN2Y			2	01
	350	--	Nonwoven Fabric Cloth	69X20X0.5		(V815680)		
	360	--	Nonwoven Fabric Cloth	12X8X0.5		(V815690)		
	370	--	Connector Assembly	AN2 9P		(V815810)		
	380	**CB817510**	Cord Binder	S-14B		PSR-1000	2	03
	380	**CB817510**	Cord Binder	S-14B		PSR-2000	3	03
			ACCESSORIES					
*	A1	**V7656200**	AC Adapter	PA-300 E		E		
*	A1a	**AAX30970**	AC Cord			E		
*	A1	**V7656100**	AC Adapter	PA-300 U		U,C		
*	A1a	**AAX30960**	AC Cord			U,C		
*	A1	**V7656300**	AC Adapter	PA-300 GBR		B		
*	A1a	**AAX30980**	AC Cord			B		
*	A1	**V7656000**	AC Adapter	PA-300 J		J		
*	A1a	**AAX30950**	AC Cord			J		
		V2589700	Music Rest Black					08
*		**V7653200**	Floppy Disk	3.5inch		PSR-1000		
*		**V7653300**	Floppy Disk	3.5inch		PSR-2000		

*: New Parts

RANK: Japan only

UPPER CASE ASSEMBLY



∗ This figure shows the PSR-2000.

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
			UPPER CASE ASSEMBLY			PSR-1000/PSR-2000		
		- -	Upper Case Assembly			PSR-1000 (V765350)		
		- -	Upper Case Assembly			PSR-2000 (V765370)		
*	10	**V7654900**	Upper Case Sub Assembly			PSR-1000		
*	10	**V7655000**	Upper Case Sub Assembly			PSR-2000		
	20	- -	Vibration-proof Sheet	U1		(V776010)		
	30	- -	Vibration-proof Sheet	U2		(V776020)		
	40	- -	Vibration-proof Sheet	U3		(V776030)		
	50	- -	Vibration-proof Sheet	U4		(V776040)		
	60	- -	Vibration-proof Sheet	U5		(V776050)		
	70	- -	Vibration-proof Sheet	U6		(V776060)		
	80	- -	Vibration-proof Sheet	U7		(V776070)		
	90	- -	Vibration-proof Sheet	U8		(V776080)		
*	120	**V7656700**	Panel Button Black	x11		SOUND CREATOR,DIGITAL RECORDING,MIXING CONSOLE,		
*	130	**V7656900**	Panel Button Black	x20		DEMO,HELP,FUNCTION,LCD select A-E DIRECT ACCESS,BALANCE, CHANNEL ON/OFF,1-8(UP/ DOWN),EXIT		
*	140	**V7657100**	Panel Button Black	x11		BACK,NEXT,MAIN,LAYER, LEFT,MUSIC FINDER,LCD select F-J		
*	150	**V7657200**	Panel Button Silver	x10		PSR-1000:		
*	150	**V7657300**	Panel Button Gold	x10		PSR-2000:		
*	160	**V7657400**	Panel Button Silver	x14		SONG(EXTRA TRACKS,...,FF) PSR-1000:		
*	160	**V7657500**	Panel Button Gold	x14		PSR-2000: STYLE(POP&ROCK,...,USER), TRANSPOSE,TEMPO,TAP		
*	170	**V7479400**	Panel Button Black	x18		TEMPO,STOP MULTI PAD 1-4,FADE IN/ OUT,STYLE CONTROL(ACMP,.. ..,START/STOP)		
*	180	**V7479500**	Panel Button Black	x15		ONE TOUCH SETTING 1-4,		
*	190	**V7657600**	Panel Button Silver	x22		ENTER,REGISTRATION MEMORY (FREEZE,...,MEMORY) PSR-1000: VOICE EFFECT(LEFT HOLD,.. ..,VARIATION)VOICE(PIANO&		
*	190	**V7657700**	Panel Button Gold	x28		HARPSI.,...,UESR),UPPER OCTAVE PSR-2000: VOICE EFFECT(LEFT HOLD,.. ..,VARIATION)VOICE(PIANO&		
*	200	**V7479900**	Lens, LED			HARPSI.,...,ORGAN FLUTES) ,UPPER OCTAVE,MIC(VH TYPE SELECT,...,EFFECT) EXTRA TRACKS,TRACK1-2	3	
*	210	**V7480000**	Lens, LED			SONG (START/STOP)		
*	220	**V7480100**	Lens, LED			STYLE CONTROL(BREAK,INTRO ,MAIN A-D,ENDING/rit., START/STOP),REGISTRATION MEMORY 1-8	16	
*	230	**V7480200**	Lens, LED			ONE TOUCH SETTING 1-4	4	
	240	- -	Vibration-proof Sheet	L1		(V776110)		
	250	- -	Vibration-proof Sheet	L2		(V776120)		
	260	- -	Vibration-proof Sheet	L3		(V776130)		
	270	- -	Vibration-proof Sheet			(VV61640)		
	280	- -	Wheel Assembly			PSR-1000 (VT48770)		
	280	**VY793100**	Wheel Assembly			PSR-2000		04
	280a	**VT366400**	Wheel			PSR-1000: PITCH BEND		03
	280a	**VY750800**	Wheel			PSR-2000: PITCH BEND		03
	280b	**VT440100**	Spring					03
	290	**VY750800**	Wheel			PSR-2000: MODULATION		03
*	300	**V7750200**	Circuit Board	PN1		PSR-1000		
*	300	**V7750900**	Circuit Board	PN1		PSR-2000		
*	310	**V7750300**	Circuit Board	PN2		PSR-1000		
*	310	**V7751000**	Circuit Board	PN2		PSR-2000		
*	320	**V7750500**	Circuit Board	PN3		PSR-1000		

*: New Parts

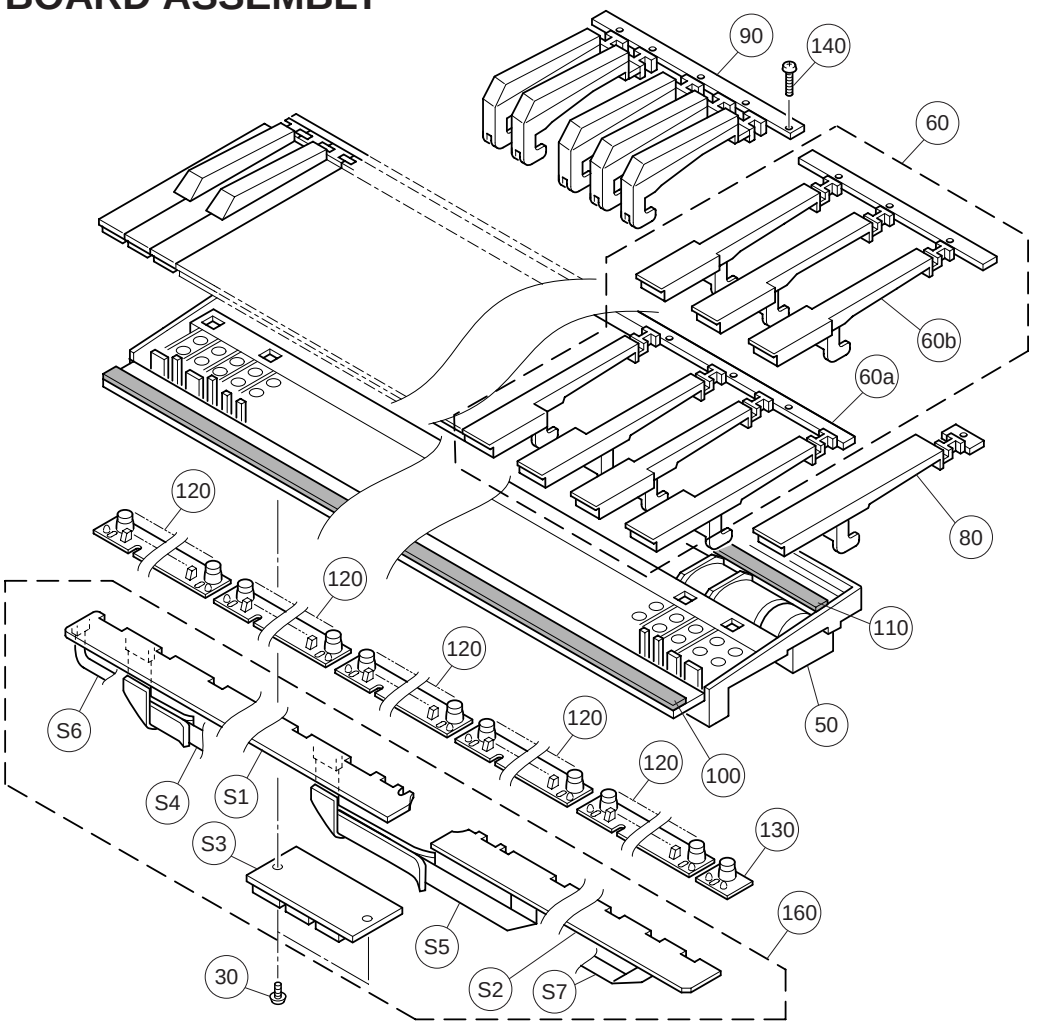
RANK: Japan only

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
*	320	**V7751200**	Circuit Board	PN3		PSR-2000		
*	330	**V7750600**	Circuit Board	PN4		PSR-1000		
*	330	**V7751300**	Circuit Board	PN4		PSR-2000		
*	340	**V7750400**	Circuit Board	ENC		PSR-1000		
*	340	**V7751100**	Circuit Board	ENC		PSR-2000		
*	350	**V7750700**	Circuit Board	PB2		PSR-1000		
*	350	**V7751400**	Circuit Board	PB1		PSR-2000		
*	360	**V7751500**	Circuit Board	MOD		PSR-2000		
	370	**- -**	Connector Assembly	PN1 26P		(V778070)		
	380	**- -**	Connector Assembly	PN2 21P		(V778080)		
*	390	**MFA28300**	Cable	28P 300mm P=1.0				
*	400	**MFA11100**	Cable	11P 100mm P=1.0				
	410	**- -**	Connector Assembly	LCD 14P		(V815820)		
	420	**V3331300**	LCD	EDMMPU3BCF				23
	430	**- -**	LCD Holder			(V768340)		
*	440	**V7479800**	Support, Keyboard					
*	450	**V7484700**	Support, Keyboard					
	460	**- -**	Angle Bracket, Panel			(V748060)		
	470	**- -**	Angle Bracket, Panel	2		(V777170)		
	480	**- -**	Insulating Paper			(V777180)		
	490	**- -**	Grease	G-31KA		(VE96850)		
	500	**EP600130**	Bind Head Tapping Screw-B	3.0X6 MFZN2Y			4	01
	510	**EP600280**	Bind Head Tapping Screw-P	3.0X8 MFZN2Y		PSR-1000	57	01
	510	**EP600280**	Bind Head Tapping Screw-P	3.0X8 MFZN2Y		PSR-2000	59	01
*	520	**V7561800**	Holder, DM					
	530	**VA126100**	Adhesive Tape	12X50			4	03
*	550	**V8114500**	LED Cap				24	
	560	**- -**	Nonwoven Fabric Cloth	25X7X0.5		(V837730)	2	
	570	**VN195400**	Adhesive Tape	12X70				03
*		**V7654900**	Upper Case Sub Assembly			PSR-1000		
*		**V7655000**	Upper Case Sub Assembly			PSR-2000		
	U10	**- -**	Upper Case			PSR-1000 (V765890)		
	U10	**- -**	Upper Case			PSR-2000 (V765900)		
*	U20	**V7659100**	Center Panel			PSR-1000		
*	U20	**V7659200**	Center Panel			PSR-2000		
*	U30	**V7659700**	Speaker Grille L Assembly	LEFT				
	U30a	**- -**	Nonwoven Fabric Cloth	80X8X0.5		(V766020)	1	
	U30b	**- -**	Nonwoven Fabric Cloth	55X8X0.5		(V766030)		
	U30c	**- -**	Nonwoven Fabric Cloth	14X8X0.5		(V766040)	5	
	U30d	**- -**	Nonwoven Fabric Cloth	40X8X0.5		(V826450)	2	
*	U40	**V7659800**	Speaker Grille R Assembly	RIGHT				
	U40a	**- -**	Nonwoven Fabric Cloth	80X8X0.5		(V766020)	1	
	U40b	**- -**	Nonwoven Fabric Cloth	55X8X0.5		(V766030)		
	U40c	**- -**	Nonwoven Fabric Cloth	14X8X0.5		(V766040)	5	
	U40d	**- -**	Nonwoven Fabric Cloth	40X8X0.5		(V826450)	2	
*	U50	**V7660600**	Emblem	YAMAHA				
	U60	**EP600280**	Bind Head Tapping Screw-P	3.0X8 MFZN2Y			12	01
	U70	**- -**	Spacer	L=100		(V384790)	2	
	U80	**- -**	Spacer	L=20		(V834710)	2	
	U90	**- -**	Spacer	L=13		(V834720)	2	

*: New Parts

RANK: Japan only

KEYBOARD ASSEMBLY

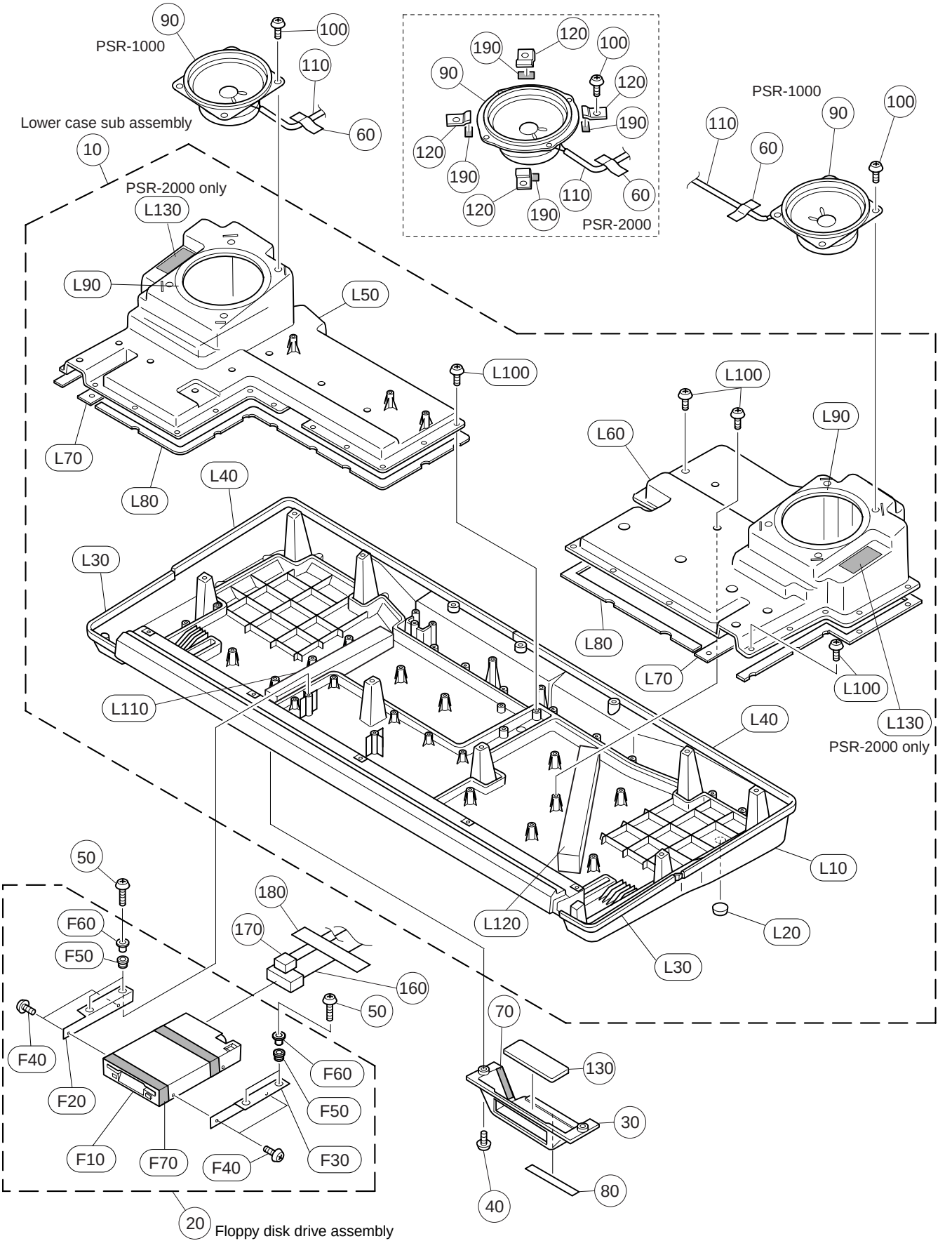


	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
*		**V7632100**	KEYBOARD ASSEMBLY	16M C61 P2M MKS5		PSR-1000/PSR-2000		
	30	**EP630220**	Bind Head Tapping Screw-P	3.0X8 MFZN2BL			2	01
	50	**- -**	Frame	C61 16M		(VS15380)		
	50	**VU328600**	Frame	C61 16M				10
	60	**VH1809C0**	White Key	16L CEGBDFA			5	03
	60a	**VH180900**	White Key	16L CEGB			5	03
	60b	**VH181000**	White Key	16L DFA			5	03
	80	**VH181100**	White Key	16L C'				01
	90	**VH181200**	Black Key	16L #			5	03
	100	**VH181300**	Felt					03
	110	**VH181400**	Rubber Sheet					01
	120	**VU328400**	Rubber Contact	16M OCT 2M 12KEYS			5	06
	130	**VU328500**	Rubber Contact	16M C' 2M 1KEY				05
	140	**VB205200**	Bind Head Tapping Screw-P	3.0X16 MFZN2BL			21	01
	140	**VS756700**	Bind Head Tapping Screw-P	3.0X16 MFZN2B			21	01
	150	**TX920280**	Grease	G-31KA 50g				10
	160	**- -**	Circuit Board Assembly	16M C61 P2 MKS5		(V763220)		
		- -	Circuit Board Assembly	16M C61 P2 MKS5		(V763220)		
	S1	**VU648100**	Circuit Board	MK-L				09
	S2	**VU648200**	Circuit Board	MK-H				09
*	S3	**V8142700**	Circuit Board	MKS5F				
	S4	**VU958900**	Cable	12P				03
	S5	**VU659500**	Cable	12P				02
	S6	**VU659400**	Cable	7P				02
	S7	**VU659600**	Cable	5P				02

*: New Parts

RANK: Japan only

LOWER CASE ASSEMBLY



	REF NO.	PART NO.	DESCRIPTION			REMARKS		QTY	RANK
			LOWER CASE ASSEMBLY			PSR-1000/PSR-2000			
		- -	Lower Case Assembly			PSR-1000	(V765930)		
		- -	Lower Case Assembly			PSR-2000	(V765940)		
*	10	**V7659500**	Lower Case Sub Assembly			PSR-1000			
*	10	**V7659600**	Lower Case Sub Assembly			PSR-2000			
	20	- -	Floppy Disk Drive Assembly				(V766070)		
	30	**VT366600**	Cover, FDD			PSR-1000			05
*	30	**V7632700**	Cover, FDD	BEIGE		PSR-2000			
	40	**EP600280**	Bind Head Tapping Screw-P	3.0X8 MFZN2Y				2	01
	50	**VM839600**	Bind Head Tapping Screw-P	4.0X16 MFZN2Y				4	01
	60	**VA126100**	Adhesive Tape	12X50				7	03
	70	- -	Vibration-proof Tape	10X40X0.5			(VT85830)	2	
	80	- -	Vibration-proof Tape	7X100X0.5			(VT85820)		
	90	**XT523A00**	Speaker	12.0cm 4ohm 10W		PSR-1000: WOOFER		2	07
*	90	**X0214A00**	Speaker	12.0cm 6ohm 30W		PSR-2000: WOOFER		2	
	100	**EP640500**	Bind Head Tapping Screw-P	4.0X10 MFZN2Y				8	01
	110	- -	Connector Assembly	SP XH 5P L=800			(V778250)		
*	120	**V7480700**	Speaker Holder			PSR-2000		8	
	130	- -	Cushion	30X110XT3.5			(VZ53050)		
*	160	**V7782900**	Connector Assembly	FD 34P FLAT CABLE					
*	170	**V7780900**	Connector Assembly	FDPS XH 3P L=700					
	180	- -	Adhesive Tape	12X120			(VV26930)	4	
	190	- -	Nonwoven Fabric cloth	16X5X0.5			(V834600)	8	
*		**V7659500**	Lower Case Sub Assembly			PSR-1000			
*		**V7659600**	Lower Case Sub Assembly			PSR-2000			
	L10	- -	Lower Case			PSR-1000	(V765990)		
	L10	- -	Lower Case			PSR-2000	(V766000)		
	L20	**CB043750**	Foot Black	T1.6				5	01
	L30	- -	Cushion	210X13XT2			(V462340)	2	
	L40	- -	Vibration-proof Tape	13X700 T0.5			(VZ27440)	2	
	L50	- -	Speaker Box L	LEFT			(V374980)		
	L60	- -	Speaker Box R	RIGHT			(V374990)		
	L70	- -	Seal Tape	1 20X70 T1.0			(VZ08600)	2	
	L80	- -	Seal Tape	2 8X1800 T1.0			(VZ08610)	2	
	L90	- -	Seal Tape	SP			(VZ08650)	2	
	L100	**EP640500**	Bind Head Tapping Screw-P	4.0X10 MFZN2Y				53	01
	L110	- -	Cushion				(V751260)		
	L120	- -	Cushion				(V751270)		
	L130	- -	Cushion	50X50XT2		PSR-2000	(V766010)	2	
		- -	Floppy Disk Drive Assembly				(V766070)		
	F10	**V6492300**	Floppy Disk Drive	DF354H					13
	F20	**VT431000**	Holder, FDD	LEFT					03
	F30	**VT431100**	Holder, FDD	RIGHT					03
	F40	**EG330360**	Bind Head Screw	3.0X6 MFZN2BL				4	01
	F50	**VA121600**	Bushing					4	01
	F60	**VK431100**	FDD Spacer					4	01
	F70	- -	Adhesive Tape	ECT #590S W=15			(ZL35000)		

*: New Parts

RANK: Japan only

PSR-1000 ELECTRICAL PARTS

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
			ELECTRICAL PARTS			PSR-1000		
*		**V7749400**	Circuit Board	AM		(V756880)(X0189C0)		
*		**V7749600**	Circuit Board	HP		(V756880)(X0189C0)		
*		**V7749500**	Circuit Board	SW		(V756880)(X0189C0)		
*		**V7749700**	Circuit Board	VR		(V756880)(X0189C0)		
*		**V7637700**	Circuit Board	DM		(X0128C0)		
*		**V7750400**	Circuit Board	ENC		(V756890)(X0268B0)		
*		**V7750200**	Circuit Board	PN1		(V756890)(X0268B0)		
*		**V7750300**	Circuit Board	PN2		(V756890)(X0268B0)		
		V4200400	Circuit Board	INV		(XW193B0)		07
		VU648200	Circuit Board	MK-H		(XR565C0)		09
		VU648100	Circuit Board	MK-L		(XR564C0)		09
*		**V8142700**	Circuit Board	MKS5F		(X2002A0)		
*		**V7750700**	Circuit Board	PB2		(V756900)(X0269B0)		
*		**V7750500**	Circuit Board	PN3		(V756900)(X0269B0)		
*		**V7750600**	Circuit Board	PN4		(V756900)(X0269B0)		
*		**V7749400**	Circuit Board	AM		(V756880)(X0189C0)		
*		**V7749600**	Circuit Board	HP		(V756880)(X0189C0)		
*		**V7749500**	Circuit Board	SW		(V756880)(X0189C0)		
*		**V7749700**	Circuit Board	VR		(V756880)(X0189C0)		
		- -	Jumper Wire	0.55		(VA07890)		
	10	**- -**	Angle Bracket			(V748510)		
	20	**- -**	Angle Bracket, DC Jack			(V748520)		
	30	**EP600130**	Bind Head Tapping Screw-B	3.0X6 MFZN2Y			2	01
	40	**EP630220**	Bind Head Tapping Screw-P	3.0X8 MFZN2BL				01
	50	**EP600190**	Bind Head Tapping Screw-B	3.0X8 MFZN2BL			4	01
	60	**EP600220**	Bind Head Tapping Screw-B	3.0X10 MFZN2Y			2	01
	C0100	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0101	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0104	**UR749680**	Electrolytic Cap.	6800 25.0V				03
	C0106	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0107	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0109	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0110	**UR865100**	Electrolytic Cap.	0.10 50.0V				01
	C0111	**UR865100**	Electrolytic Cap.	0.10 50.0V				01
	C0112	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0114	**UR848100**	Electrolytic Cap.	100.00 25.0V				01
	C0115	**UN866220**	Electrolytic Cap.-BP	2.20 50.0V				01
	C0116	**UN866220**	Electrolytic Cap.-BP	2.20 50.0V				01
	C0119	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0122	**VR168700**	Monolithic Mylar Capacitor	0.22 50V J				01
	C0123	**UA654680**	Mylar Capacitor	0.0680 50V J				02
	C0124	**UA654120**	Mylar Capacitor	0.0120 50V J				01
	C0125	**UA653560**	Mylar Capacitor	5600P 50V J				01
	C0126	**UA653390**	Mylar Capacitor	3900P 50V J				01
	C0127	**VR168700**	Monolithic Mylar Capacitor	0.22 50V J				01
	C0128	**UA654680**	Mylar Capacitor	0.0680 50V J				02
	C0129	**UA654120**	Mylar Capacitor	0.0120 50V J				01
	C0130	**UA653560**	Mylar Capacitor	5600P 50V J				01
	C0131	**UA653390**	Mylar Capacitor	3900P 50V J				01
	C0133	**VR169500**	Monolithic Mylar Capacitor	0.82 50V J				01
	C0134	**VR168600**	Monolithic Mylar Capacitor	0.18 50V J				01
	C0135	**UA654470**	Mylar Capacitor	0.0470 50V J				01
	C0136	**UA654220**	Mylar Capacitor	0.0220 50V J				01
	C0137	**UA652560**	Mylar Capacitor	560P 50V J				02
	C0138	**VR169500**	Monolithic Mylar Capacitor	0.82 50V J				01
	C0139	**VR168600**	Monolithic Mylar Capacitor	0.18 50V J				01
	C0140	**UA654470**	Mylar Capacitor	0.0470 50V J				01
	C0141	**UA654220**	Mylar Capacitor	0.0220 50V J				01
	C0142	**UA652560**	Mylar Capacitor	560P 50V J				02
	C0146	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
	C0147	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0148	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
	C0149	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0152	**FG612560**	Ceramic Capacitor-B	560P 50V K				01
	C0153	**FG612560**	Ceramic Capacitor-B	560P 50V K				01
	C0156	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0157	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0158	**UA653470**	Mylar Capacitor	4700P 50V J				01

*: New Parts

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C0159	**UA653470**	Mylar Capacitor	4700P 50V J				01
C0160	**UA653820**	Mylar Capacitor	8200P 50V J				01
C0161	**UA653820**	Mylar Capacitor	8200P 50V J				01
C0162	**UA653470**	Mylar Capacitor	4700P 50V J				01
-0165	**UA653470**	Mylar Capacitor	4700P 50V J				01
C0166	**UR866220**	Electrolytic Cap.	2.20 50.0V				01
C0167	**UR866220**	Electrolytic Cap.	2.20 50.0V				01
C0168	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
C0169	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
C0170	**VR169000**	Monolithic Mylar Capacitor	0.33 50V J				01
C0171	**VR169000**	Monolithic Mylar Capacitor	0.33 50V J				01
C0172	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
-0175	**UN837100**	Electrolytic Cap.	10.00 16.0V				
C0176	**UR866220**	Electrolytic Cap.	2.20 50.0V				01
C0177	**UR866220**	Electrolytic Cap.	2.20 50.0V				01
C0178	**V6490000**	Monolithic Ceramic Cap.	1.000 25V Z				01
C0179	**V6490000**	Monolithic Ceramic Cap.	1.000 25V Z				01
C0180	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
C0181	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
C0182	**UR866220**	Electrolytic Cap.	2.20 50.0V				01
C0183	**UR866220**	Electrolytic Cap.	2.20 50.0V				01
C0184	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
C0185	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
C0186	**UR827330**	Electrolytic Cap.	33.00 10.0V				01
C0187	**UR866470**	Electrolytic Cap.	4.70 50.0V				
C0188	**UR865470**	Electrolytic Cap.	0.47 50.0V				01
C0189	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
C0190	**FG651680**	Ceramic Capacitor-SL	68P 50V J				01
-0193	**FG651680**	Ceramic Capacitor-SL	68P 50V J				01
C0194	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0195	**UR848100**	Electrolytic Cap.	100.00 25.0V				01
C0196	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
C0197	**UR838220**	Electrolytic Cap.	220.00 16.0V				01
C0198	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0199	**UR838220**	Electrolytic Cap.	220.00 16.0V				01
C0200	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0201	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0202	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
-0205	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
C0206	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0207	**UR848100**	Electrolytic Cap.	100.00 25.0V				01
C0208	**FG644220**	Ceramic Capacitor-F	0.0220 50V Z				01
C0209	**FG644220**	Ceramic Capacitor-F	0.0220 50V Z				01
C0210	**UR838220**	Electrolytic Cap.	220.00 16.0V				01
C0211	**UR838220**	Electrolytic Cap.	220.00 16.0V				01
C0213	**UR838220**	Electrolytic Cap.	220.00 16.0V				01
C0214	**UR838220**	Electrolytic Cap.	220.00 16.0V				01
C0215	**UA654470**	Mylar Capacitor	0.0470 50V J				01
C0216	**FG613680**	Ceramic Capacitor-B	6800P 50V K				01
-0219	**FG613680**	Ceramic Capacitor-B	6800P 50V K				01
C0220	**UA654470**	Mylar Capacitor	0.0470 50V J				01
-0222	**UA654470**	Mylar Capacitor	0.0470 50V J				01
C0300	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
C0301	**UN817470**	Electrolytic Cap.-BP	47.00 6.3V				01
C0302	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
C0303	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0304	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
C0305	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
C0306	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
C0307	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0308	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
C0309	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
C0310	**FG613100**	Ceramic Capacitor-B	1000P 50V K				01
C0311	**FG613100**	Ceramic Capacitor-B	1000P 50V K				01
C0400	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0401	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
CN100	**VI878300**	Cable Holder	51048 5P TE				01
CN102	**VK024900**	Wire Trap	52147 5P TE				01
CN103	**VB390500**	Connector Base Post	PH 9P TE				01
CN104	**VI878400**	Cable Holder	51048 6P TE				01

⋆: New Parts

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	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	CN105	**VI878400**	Cable Holder	51048 6P TE				01
	CN106	**VI878300**	Cable Holder	51048 5P TE				01
	CN108	**VI878300**	Cable Holder	51048 5P TE				01
	CN109	**LB918040**	Base Post Connector	XH 4P TE				01
	CN110	**LB918050**	Base Post Connector	XH 5P TE				01
	CN111	**VI878300**	Cable Holder	51048 5P TE				01
	CN300	**VI878900**	Cable Holder	51048 11P TE				01
	CN303	**VI878100**	Cable Holder	51048 3P TE				01
⚠	D0100	**VR313500**	Diode	S3V20				01
	D0300	**VB941200**	Diode	1SS133,1SS176				01
	-0303	**VB941200**	Diode	1SS133,1SS176				01
	D0400	**VB941200**	Diode	1SS133,1SS176				01
	-0403	**VB941200**	Diode	1SS133,1SS176				01
	HS001	**--**	Heat Sink	25BS098H-L50		(V776520)		
	HS002	**--**	Heat Sink			(V791920)		
	IC100	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC101	**XJ608A00**	IC	NJM7812FA		REGULATOR +12V		02
	IC102	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC104	**XF751A00**	IC	M5227P		EQUALIZER		04
	IC105	**XF751A00**	IC	M5227P		EQUALIZER		04
	IC107	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC108	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC110	**XQ619A00**	IC	LA4705NA		POWER AMP 17W		05
	IC111	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC112	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC113	**XW812A00**	IC	LA4262		POWER AMP 7W 2ch		04
	IC114	**XM217A00**	IC	LA4525		POWER AMP 0.65W 2ch		03
	IC301	**IG142250**	IC	SN74HCU04N		INVERTER		01
	IC307	**XU463A00**	IC	SN75C1168N		LINE TRANSCEIVER		05
	IC308	**VG181900**	Photo Coupler	PC-900V				03
	J0100	**--**	Jumper Wire	0.55		(VA07890)		
	-0107	**--**	Jumper Wire	0.55		(VA07890)		
	J0110	**--**	Jumper Wire	0.55		(VA07890)		
	-0112	**--**	Jumper Wire	0.55		(VA07890)		
	J0116	**--**	Jumper Wire	0.55		(VA07890)		
	-0118	**--**	Jumper Wire	0.55		(VA07890)		
	J0127	**--**	Jumper Wire	0.55		(VA07890)		
	-0130	**--**	Jumper Wire	0.55		(VA07890)		
	J0999	**--**	Jumper Wire	0.55		(VA07890)		
⚠ *	JK100	**V7509100**	Connector	DJ-0735B-029		DC IN		
	JK102	**VB312600**	Phone Jack Black	YKB21-5012		OUTPUT R		02
	JK103	**VC687500**	Phone Jack Black	YKB21-5014		OUTPUT L/L+R		01
	JK104	**VP599300**	Pin Jack	2P YKC21-3120		AUX OUT L/R(LEVEL FIXED)		02
	JK105	**LB101870**	Phone Jack	YKB21-5006		PHONES		03
	JK300	**VJ107200**	DIN Connector	5P YKF51-5050		MIDI OUT		01
	JK301	**VJ107200**	DIN Connector	5P YKF51-5050		MIDI IN		01
	JK302	**VM761000**	DIN Connector	8P MD-S810		TO HOST		03
	JK303	**VB312600**	Phone Jack Black	YKB21-5012		FOOT PEDAL 1		02
	JK304	**VS115400**	Phone Jack Black	LGR4609-7000		FOOT PEDAL 2		01
⚠	L0100	**VI486800**	Line Filter	SU10VD-20020				03
	L0102	**VB835000**	Coil	FL5R200QNT 20uH				01
	L0102	**V2993400**	Choke Coil	R-5C. 20uH				01
	L0103	**GE300670**	Ferrite Bead	BL02RN2-R62T4				02
	L0104	**VB835000**	Coil	FL5R200QNT 20uH				01
	L0104	**V2993400**	Choke Coil	R-5C. 20uH				01
	L0105	**VB835000**	Coil	FL5R200QNT 20uH				01
	L0105	**V2993400**	Choke Coil	R-5C. 20uH				01
	L0106	**GE300670**	Ferrite Bead	BL02RN2-R62T4				02
	L0107	**VB835000**	Coil	FL5R200QNT 20uH				01
	-0109	**VB835000**	Coil	FL5R200QNT 20uH				01
	L0107	**V2993400**	Choke Coil	R-5C. 20uH				01
	-0109	**V2993400**	Choke Coil	R-5C. 20uH				01
	L0110	**GE300670**	Ferrite Bead	BL02RN2-R62T4				02
	L0300	**VB835000**	Coil	FL5R200QNT 20uH				01
	-0312	**VB835000**	Coil	FL5R200QNT 20uH				01
	L0300	**V2993400**	Choke Coil	R-5C. 20uH				01
	-0312	**V2993400**	Choke Coil	R-5C. 20uH				01
	L0313	**GE300670**	Ferrite Bead	BL02RN2-R62T4				02
	L0314	**VB835000**	Coil	FL5R200QNT 20uH				01
	-0316	**VB835000**	Coil	FL5R200QNT 20uH				01

*: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
L0314	**V2993400**	Choke Coil	R-5C. 20uH				01
-0316	**V2993400**	Choke Coil	R-5C. 20uH				01
L0400	**VB835000**	Coil	FL5R200QNT 20uH				01
L0400	**V2993400**	Choke Coil	R-5C. 20uH				01
L0401	**VB835000**	Coil	FL5R200QNT 20uH				01
L0401	**V2993400**	Choke Coil	R-5C. 20uH				01
R0101	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0102	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0103	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
R0104	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
R0110	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0111	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0112	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0113	**HF755560**	Carbon Resistor	560.0 1/4 J				01
R0114	**HF756120**	Carbon Resistor	1.2K 1/4 J				01
R0115	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0116	**HF757150**	Carbon Resistor	15.0K 1/4 J				01
R0117	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0118	**HF755560**	Carbon Resistor	560.0 1/4 J				01
R0119	**HF756120**	Carbon Resistor	1.2K 1/4 J				01
R0120	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0121	**HF757150**	Carbon Resistor	15.0K 1/4 J				01
R0122	**HF755220**	Carbon Resistor	220.0 1/4 J				01
R0123	**HF757180**	Carbon Resistor	18.0K 1/4 J				01
R0124	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0125	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0126	**HF756270**	Carbon Resistor	2.7K 1/4 J				01
R0127	**HF755220**	Carbon Resistor	220.0 1/4 J				01
R0128	**HF757180**	Carbon Resistor	18.0K 1/4 J				01
R0129	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0130	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0131	**HF756270**	Carbon Resistor	2.7K 1/4 J				01
R0141	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0142	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0144	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
R0145	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
R0146	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0147	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0148	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
R0149	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
R0150	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0151	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0152	**HF756220**	Carbon Resistor	2.2K 1/4 J				01
-0155	**HF756220**	Carbon Resistor	2.2K 1/4 J				01
R0156	**HF755330**	Carbon Resistor	330.0 1/4 J				01
-0159	**HF755330**	Carbon Resistor	330.0 1/4 J				01
R0160	**HF756220**	Carbon Resistor	2.2K 1/4 J				01
R0161	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0162	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
-0165	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
R0166	**HF756330**	Carbon Resistor	3.3K 1/4 J				01
R0167	**HF756330**	Carbon Resistor	3.3K 1/4 J				01
R0168	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0169	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0170	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0171	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0172	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0173	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0174	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
-0177	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0178	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0179	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0180	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0181	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0182	**HF754820**	Carbon Resistor	82.0 1/4 J				01
R0183	**HF754820**	Carbon Resistor	82.0 1/4 J				01
R0184	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
-0187	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0188	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0189	**HF756820**	Carbon Resistor	8.2K 1/4 J				01

⋆: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
R0190	**HF755680**	Carbon Resistor	680.0 1/4 J				01
-0193	**HF755680**	Carbon Resistor	680.0 1/4 J				01
R0194	**HF753220**	Carbon Resistor	2.2 1/4 J				01
R0195	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0196	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0197	**HF753220**	Carbon Resistor	2.2 1/4 J				01
R0198	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0199	**HF753220**	Carbon Resistor	2.2 1/4 J				01
R0200	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
-0203	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0204	**HF753220**	Carbon Resistor	2.2 1/4 J				01
R0205	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0206	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0207	**HF755330**	Carbon Resistor	330.0 1/4 J				01
R0208	**HF755330**	Carbon Resistor	330.0 1/4 J				01
R0209	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0210	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0211	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0212	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0300	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
-0303	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0304	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0305	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0306	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0307	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0308	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0309	**HF755220**	Carbon Resistor	220.0 1/4 J				01
R0310	**HF755220**	Carbon Resistor	220.0 1/4 J				01
R0311	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0312	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0313	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0314	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0315	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0316	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0317	**HF756150**	Carbon Resistor	1.5K 1/4 J				01
R0318	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0319	**HF755220**	Carbon Resistor	220.0 1/4 J				01
-0322	**HF755220**	Carbon Resistor	220.0 1/4 J				01
R0323	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0324	**HF757470**	Carbon Resistor	47.0K 1/4 J				01
R0325	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0400	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0401	**HF756820**	Carbon Resistor	8.2K 1/4 J				01
R0402	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0403	**HF756150**	Carbon Resistor	1.5K 1/4 J				01
R0404	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
R0405	**HF756330**	Carbon Resistor	3.3K 1/4 J				01
R0406	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0407	**HF755330**	Carbon Resistor	330.0 1/4 J				01
R0408	**HF755330**	Carbon Resistor	330.0 1/4 J				01
⚠ SW100	**VY980400**	Push Switch	SDDLB1 J,UC,CEE		STANDBY/ON		03
SW300	**VQ665200**	Slide Switch	SSSF144-S06N-0		HOST SELECT		03
⚠ TH100	**VV458000**	Protector Switch	RUE250 2.50A 30V				03
TR100	**IC174070**	Transistor	2SC1740S R,S				01
TR101	**IC174070**	Transistor	2SC1740S R,S				01
TR102	**IA101590**	Transistor	2SA1015 O,Y				01
TR103	**IC174070**	Transistor	2SC1740S R,S				01
-106	**IC174070**	Transistor	2SC1740S R,S				01
TR300	**IC174070**	Transistor	2SC1740S R,S				01
TR301	**IC174070**	Transistor	2SC1740S R,S				01
TR400	**IA101590**	Transistor	2SA1015 O,Y				01
TR401	**IC174070**	Transistor	2SC1740S R,S				01
VR100	**VZ048400**	Rotary Variable Resistor	A10.0K XV0141GPVN2		MASTER VOLUME		02
VR300	**VV049100**	Rotary Variable Resistor	B 10K RK09K1110		LCD CONTRAST		01
WH002	**- -**	Connector Assembly	CNT 3P L=120		(V778120)		
WH003	**- -**	Connector Assembly	DJ 11P L=120		(V778130)		
WH005	**- -**	Connector Assembly	VOL 5P L=480		(V778150)		
WH006	**- -**	Connector Assembly	PS 5P L=120		(V778160)		
WH007	**- -**	Connector Assembly	HP 5P L=380		(V778170)		
WH008	**- -**	Connector Assembly	SW 6P L=320		(V778180)		

⚠: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
ZD001	**VG437300**	Zener Diode	MTZ J 5.1A 5.1V				
*	**V7637700**	Circuit Board	DM		(X0128C0)		
C0000	**UR848100**	Electrolytic Cap.	100.00 25.0V				01
C0001	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0002	**UR839100**	Electrolytic Cap.	1000 16.0V				01
C0005	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0006	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0007	**UF047100**	Electrolytic Cap. (chip)	10 25V				01
C0008	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0009	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0010	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
C0011	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0012	**UF028100**	Electrolytic Cap. (chip)	100 10V				01
C0013	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0014	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0015	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0100	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
C0101	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
-0110	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0111	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
C0112	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
-0115	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0116	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
C0117	**US061220**	Ceramic Capacitor-CH(chip)	22P 50V J				01
C0118	**US061220**	Ceramic Capacitor-CH(chip)	22P 50V J				01
C0119	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
-0122	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0123	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
C0124	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0125	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0126	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0127	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0128	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0130	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
-0145	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0146	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0147	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0150	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0154	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0155	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0158	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
-0160	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0162	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0170	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
-0178	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0200	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
-0211	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0212	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0213	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0215	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0216	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0217	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0218	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0219	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
-0225	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0228	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0231	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0232	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0233	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0234	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0235	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0236	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0237	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0238	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0239	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0240	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0300	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0301	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0302	**UF037100**	Electrolytic Cap. (chip)	10 16V				01

*: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C0303	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0304	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0305	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0306	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0307	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0308	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0309	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0310	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0311	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0312	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0313	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0314	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0315	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0316	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
-0318	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0319	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
C0320	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0321	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0500	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0501	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0503	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0504	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0505	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0528	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0529	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0536	**UF018100**	Electrolytic Cap. (chip)	100 6.3V				01
C0550	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
C0551	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
-0557	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0558	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0559	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z				01
-0565	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z				01
C0566	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0567	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0568	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0586	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0587	**UF057100**	Electrolytic Cap. (chip)	10 35V				01
C0588	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0600	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0601	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0602	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0603	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0604	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0605	**V2334500**	Electrolytic Cap.	1000 25.0				01
C0622	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0646	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0648	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0650	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0678	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
-0695	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0701	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
C0702	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0704	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0705	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0706	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0707	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
C0709	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0710	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
C0711	**UF047100**	Electrolytic Cap. (chip)	10 25V				01
C0712	**UF047100**	Electrolytic Cap. (chip)	10 25V				01
C0715	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
C0716	**UF037220**	Electrolytic Cap. (chip)	22 16V				01
C0717	**US063220**	Ceramic Capacitor-B (chip)	2200P 50V K				01
C0718	**US063220**	Ceramic Capacitor-B (chip)	2200P 50V K				01
C0719	**UF037220**	Electrolytic Cap. (chip)	22 16V				01
C0720	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J				01
C0721	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0722	**UF046470**	Electrolytic Cap. (chip)	4.7 25V				01
C0723	**UF046470**	Electrolytic Cap. (chip)	4.7 25V				01
C0724	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J				01

⋆: New Parts

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	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	C0725	**US062330**	Ceramic Capacitor-SL(chip)	330P 50V J				01
	C0726	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
	C0727	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J				01
	C0728	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J				01
	C0729	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
	C0730	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
	C0731	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
	C0732	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
	C0733	**US063220**	Ceramic Capacitor-B (chip)	2200P 50V K				01
	C0734	**UF046470**	Electrolytic Cap. (chip)	4.7 25V				01
	C0735	**US062330**	Ceramic Capacitor-SL(chip)	330P 50V J				01
	C0736	**UF046470**	Electrolytic Cap. (chip)	4.7 25V				01
	C0800	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	-0802	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0803	**UF017220**	Electrolytic Cap. (chip)	22 6.3V				01
	C0804	**UF017220**	Electrolytic Cap. (chip)	22 6.3V				01
	C0805	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	-0815	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0816	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
	C0817	**UF017220**	Electrolytic Cap. (chip)	22 6.3V				01
	C0818	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0819	**US061680**	Ceramic Capacitor-SL(chip)	68P 50V J				01
	C0820	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	-0823	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0904	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0905	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0906	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
	C0911	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
	-0928	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
	C0930	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
	C0999	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
*	CN100	**V6146400**	Connector, FFC	52207 21P SE				
	CN102	**VF728300**	Wire Trap	52147 6P TE				01
	CN103	**LB918030**	Base Post Connector	XH 3P TE				01
	CN104	**VB389800**	Connector Base Post	PH 2P TE				01
	CN105	**VK024900**	Wire Trap	52147 5P TE				01
	CN109	**VK025500**	Wire Trap	52147 11P TE				01
	CN300	**VQ391300**	Connector	34P TE				03
	CN500	**VV878100**	Connector Base Post	DF13-14P-1.25DSA				04
	CN501	**VK024700**	Wire Trap	52147 3P TE				01
*	CN600	**V7563700**	Connector, FFC	52207 26P SE				
	CN908	**VB390500**	Connector Base Post	PH 9P TE				01
	D0000	**VZ060500**	Diode	SFPB-62V				01
	D0500	**VT332900**	Diode	1SS355 TE-17				01
	-0505	**VT332900**	Diode	1SS355 TE-17				01
	D0510	**VT332900**	Diode	1SS355 TE-17				01
	EM001	**VD542700**	LC Filter	DSS306-93F223Z1				01
	IC001	**X0165A00**	IC	PST596DNR		SYSTEM RESET		02
	IC100	**XV250B00**	IC	HD6417709F80B		CPU		11
	IC101	**IS000800**	IC	HD74LV08AFPEL		AND		01
	IC103	**XW744A00**	IC	HD74LV245ATELL		BUFFER		02
	IC104	**XW744A00**	IC	HD74LV245ATELL		BUFFER		02
	IC111	**XS516A00**	IC	UPC2933T-E1		REGULATOR +3.3V		03
	IC112	**XJ598A00**	IC	NJM78L05UA		REGULATOR +5V		02
	IC114	**XT514A00**	IC	SI-8050S(LF1103)		DC-DC CONVERTER		05
*	IC200	**XY099A00**	IC	K4S643232C-TC80000		SDRAM 64M		
*	IC200	**X0176A00**	IC	W986432DH-7				
*	IC200	**X0493A00**	IC	K4S643232E-TC60				
*	IC200	**X0494A00**	IC	K4S643232E-TC70				
	IC204	**XV685A00**	IC	MBM29F400BC-70PFTN		FLASH ROM 4M DATA STORAGE		11
*	IC205	**X0313100**	IC	Ver. 1.10		MASK ROM 32M PROGRAM-L		
*	IC206	**X0312100**	IC	Ver. 1.10		MASK ROM 32M PROGRAM-H		
*	IC207	**X0316100**	IC	Ver. 1.00		MASK ROM 64M STYLE/PRA		
	IC300	**XI939A00**	IC	HD63266F		FDC		09
*	IC301	**XZ286A00**	IC	74LVC245APW		BUFFER		
*	-303	**XZ286A00**	IC	74LVC245APW		BUFFER		
	IC304	**XT744A00**	IC	TC74VHCT245AFT		BUFFER		07
	-306	**XT744A00**	IC	TC74VHCT245AFT		BUFFER		07
	IC308	**XS048A00**	IC	HD74LVC139FPEL		DECODER		03
*	IC310	**X0010A00**	IC	HD74LV21ATELL		AND		

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
IC500	**XQ595A00**	IC	S1D13305F00B100		LCDC		08
IC501	**XR115A00**	IC	UPD43256BGU-70L		SRAM 256K		08
IC501	**XV411A00**	IC	W24258S-70LE-EL10				07
IC501	**XW433A00**	IC	CY62256LL-70SNCT				05
IC501	**XZ388A00**	IC	W24257S-70LL-EL10				05
IC510	**XW842A00**	IC	SN74HCU04NSR		INVERTER		01
IC511	**XW842A00**	IC	SN74HCU04NSR		INVERTER		01
IC600	**XY865A00**	IC	SN74HCT138NSR		DECODER		
IC601	**VT943400**	Transistor Array	TD62785F(TP1)				04
IC700	**XY782A00**	IC	AD1854JRSRL		DAC		05
IC701	**XF634A00**	IC	UPC4572G2-T1		OP AMP		02
IC702	**XF291A00**	IC	UPC4570G2		OP AMP		03
IC703	**XF291A00**	IC	UPC4570G2		OP AMP		03
IC800	**XU462B00**	IC	MSM514260E-60TS-K		DRAM 4M		07
IC801	**XU947C00**	IC	HG73C205AFD		SWX00B		09
IC803	**XZ786100**	IC			MASK ROM 64M WAVE		10
IC911	**XT744A00**	IC	TC74VHCT245AFT		BUFFER		07
* IC913	**X0506A00**	IC	M5233FP-600D		COMPARATOR		
IC914	**XW792A00**	IC	SN74HC132NSR		NAND		01
IC914	**XY352A00**	IC	MM74HC132SJX				02
L0000	**VN381200**	Coil	SNT-D20TF 10uH				03
L0100	**VN381200**	Coil	SNT-D20TF 10uH				03
L0101	**VZ060700**	Choke Coil	220u ELC15E221 15E				05
L0105	**VY657200**	Chip Inductance	600 BK1608HM601				01
-0108	**VY657200**	Chip Inductance	600 BK1608HM601				01
L0300	**VY657200**	Chip Inductance	600 BK1608HM601				01
L0302	**VY657200**	Chip Inductance	600 BK1608HM601				01
L0303	**VY657200**	Chip Inductance	600 BK1608HM601				01
L0305	**VY657200**	Chip Inductance	600 BK1608HM601				01
L0500	**VY657200**	Chip Inductance	600 BK1608HM601				01
L0501	**VY657200**	Chip Inductance	600 BK1608HM601				01
L0700	**VY657200**	Chip Inductance	600 BK1608HM601				01
-0702	**VY657200**	Chip Inductance	600 BK1608HM601				01
L0802	**VY657200**	Chip Inductance	600 BK1608HM601				01
R0001	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
R0002	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
R0005	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0006	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0008	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0009	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0010	**RD350000**	Carbon Resistor (chip)	0 63M J				01
R0011	**RD354680**	Carbon Resistor (chip)	68 63M J				01
-0014	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0016	**RD354680**	Carbon Resistor (chip)	68 63M J				01
-0019	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0020	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
-0023	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0025	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0026	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0027	**RD354680**	Carbon Resistor (chip)	68 63M J				01
-0038	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0039	**RD355100**	Carbon Resistor (chip)	100 63M J				01
R0040	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
-0052	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0053	**RD358470**	Carbon Resistor (chip)	470K 63M J				01
R0054	**RD356100**	Carbon Resistor (chip)	1.0K 63M J				01
R0055	**RD356100**	Carbon Resistor (chip)	1.0K 63M J				01
R0056	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
R0057	**RD356100**	Carbon Resistor (chip)	1.0K 63M J				01
R0058	**RD358470**	Carbon Resistor (chip)	470K 63M J				01
R0059	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0060	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
-0075	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
R0076	**RD354680**	Carbon Resistor (chip)	68 63M J				01
-0091	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0092	**RD355100**	Carbon Resistor (chip)	100 63M J				01
-0095	**RD355100**	Carbon Resistor (chip)	100 63M J				01
R0096	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0097	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0098	**RD355100**	Carbon Resistor (chip)	100 63M J				01

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
R0099	**RD356150**	Carbon Resistor (chip)	1.5K 63M J				01
R0100	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0101	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0102	**RD354680**	Carbon Resistor (chip)	68 63M J				01
-0169	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0170	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
-0180	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0181	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0182	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0183	**RD354680**	Carbon Resistor (chip)	68 63M J				01
-0188	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0189	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
-0195	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0196	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0197	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0198	**RD355330**	Carbon Resistor (chip)	330 63M J				01
R0199	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0300	**RD355470**	Carbon Resistor (chip)	470 63M J				01
-0311	**RD355470**	Carbon Resistor (chip)	470 63M J				01
R0312	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0313	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0314	**RD355100**	Carbon Resistor (chip)	100 63M J				01
R0315	**RD354680**	Carbon Resistor (chip)	68 63M J				01
-0335	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0340	**RD354100**	Carbon Resistor (chip)	10 63M J				01
R0341	**RD354100**	Carbon Resistor (chip)	10 63M J				01
R0343	**RD354100**	Carbon Resistor (chip)	10 63M J				01
R0345	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0500	**RD355100**	Carbon Resistor (chip)	100 63M J				01
-0507	**RD355100**	Carbon Resistor (chip)	100 63M J				01
R0509	**RD354100**	Carbon Resistor (chip)	10 63M J				01
R0510	**RD354100**	Carbon Resistor (chip)	10 63M J				01
R0525	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
R0526	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
R0533	**RD355100**	Carbon Resistor (chip)	100 63M J				01
R0550	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0600	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
-0603	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0604	**RD354470**	Carbon Resistor (chip)	47 63M J				01
-0615	**RD354470**	Carbon Resistor (chip)	47 63M J				01
R0616	**VC739700**	Metal Oxide Film Resistor	0.68 1W J				01
R0704	**RD356470**	Carbon Resistor (chip)	4.7K 63M J				01
R0706	**RD356470**	Carbon Resistor (chip)	4.7K 63M J				01
R0707	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0708	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0709	**RD355560**	Carbon Resistor (chip)	560 63M J				01
R0710	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0711	**RD355560**	Carbon Resistor (chip)	560 63M J				01
R0712	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0713	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
R0714	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
R0715	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0716	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0717	**RD356470**	Carbon Resistor (chip)	4.7K 63M J				01
R0718	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
R0719	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
R0720	**RD356470**	Carbon Resistor (chip)	4.7K 63M J				01
R0721	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0722	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
R0723	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
R0724	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0725	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
R0726	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
R0727	**RD356470**	Carbon Resistor (chip)	4.7K 63M J				01
R0729	**RD354100**	Carbon Resistor (chip)	10 63M J				01
R0803	**RD355220**	Carbon Resistor (chip)	220 63M J				01
R0804	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0805	**RD355220**	Carbon Resistor (chip)	220 63M J				01
R0806	**RD355220**	Carbon Resistor (chip)	220 63M J				01
R0808	**RD357100**	Carbon Resistor (chip)	10K 63M J				01

⋆: New Parts

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	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	R0809	**RD353470**	Carbon Resistor (chip)	4.7 63M J				01
	R0810	**RD350000**	Carbon Resistor (chip)	0 63M J				01
	R0812	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0813	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0817	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	-0840	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	R0841	**RD350000**	Carbon Resistor (chip)	0 63M J				01
	R0900	**RD354100**	Carbon Resistor (chip)	10 63M J				01
	R0901	**RD354100**	Carbon Resistor (chip)	10 63M J				01
	R0902	**RD358470**	Carbon Resistor (chip)	470K 63M J				01
	R0903	**RD358470**	Carbon Resistor (chip)	470K 63M J				01
	R0904	**RD350000**	Carbon Resistor (chip)	0 63M J				01
	R0905	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0913	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	R0914	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	R1000	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R1003	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R1114	**RD355560**	Carbon Resistor (chip)	560 63M J				01
	R1115	**VY657200**	Chip Inductance	600 BK1608HM601				01
	R1116	**RD350000**	Carbon Resistor (chip)	0 63M J				01
	TR100	**VP872600**	Transistor	2SA1708 S,T				01
	TR503	**V5005800**	Digital Transistor	FMG11A T148				01
	-508	**V5005800**	Digital Transistor	FMG11A T148				01
	TR702	**VV556400**	Transistor	2SC2412K Q,R,S				01
	X0101	**VR870700**	Quartz Crystal Unit	10MHz SMD-49				04
	X0300	**V3811500**	Ceramic Resonator	16.00MHz CSTCV16.0				01
	X0800	**VV335600**	Quartz Crystal Unit	33.8688MHz DSO751S				06
*		**V7750400**	Circuit Board	ENC		(V756890)(X0268B0)		
*		**V7750200**	Circuit Board	PN1		(V756890)(X0268B0)		
*		**V7750300**	Circuit Board	PN2		(V756890)(X0268B0)		
		VA277900	LED Spacer				5	01
*	CN001	**V6146400**	Connector, FFC	52207 21P SE				
*	CN002	**V7563700**	Connector, FFC	52207 26P SE				
*	CN003	**VZ992200**	Connector, FFC	52207 28P SE				
	CN004	**VK024700**	Wire Trap	52147 3P TE				01
	CN005	**VF728200**	Wire Trap	52147 10P TE				01
	CN007	**VI878800**	Cable Holder	51048 10P TE				01
	CN013	**VI878100**	Cable Holder	51048 3P TE				01
	D0001	**VB941200**	Diode	1SS133,1SS176				01
	-0008	**VB941200**	Diode	1SS133,1SS176				01
	EC001	**VU481300**	Encoder	REB161 PVB 15F		DATA ENTRY		03
*	LD013	**V7481600**	LED Green/Red	GL3ED403B0V		ONE TOUCH SETTING 1		
*	LD014	**V7481600**	LED Green/Red	GL3ED403B0V		ONE TOUCH SETTING 2		
*	LD015	**V7481600**	LED Green/Red	GL3ED403B0V		ONE TOUCH SETTING 3		
*	LD016	**V7481600**	LED Green/Red	GL3ED403B0V		ONE TOUCH SETTING 4		
*	LD017	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 1		
*	LD018	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 2		
*	LD019	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 3		
*	LD020	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 4		
*	LD021	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 5		
*	LD022	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 6		
*	LD023	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 7		
*	LD024	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 8		
	LD115	**VD180000**	LED Red	SLZ-190B-03		MAIN		01
	LD116	**VT425100**	LED Red	SLZ-190B-17-T1		LAYER		01
	LD117	**V5771400**	LED Red	SLZ-190B-20-T1		LEFT		01
	LD118	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(LEFT HOLD)		01
	LD119	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(TOUCH)		01
	LD120	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(SUSTAIN)		01
	LD121	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(HARMONY/EC.)		01
	LD122	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(MONO)		01
	LD123	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(DSP)		01
	LD124	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(VARIATION)		01
	LD125	**VI921400**	LED Red	SLZ-190B-04-T1		VOICE(PIANO & PARPSI.)		01
	LD126	**VI921400**	LED Red	SLZ-190B-04-T1		VOICE(E.PIANO)		01
	LD127	**VI921400**	LED Red	SLZ-190B-04-T1		VOICE(ORGAN & ACCORDION)		01
	LD128	**VI921400**	LED Red	SLZ-190B-04-T1		VOICE(PERCUSSION)		01
	LD129	**VD180000**	LED Red	SLZ-190B-03		VOICE(GUITAR)		01
	LD130	**VD180000**	LED Red	SLZ-190B-03		VOICE(BASS)		01

*: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
LD132	**VD180000**	LED Red	SLZ-190B-03		VOICE(BRASS)		01
LD133	**VD180000**	LED Red	SLZ-190B-03		VOICE(W.WIND)		01
LD134	**VT425100**	LED Red	SLZ-190B-17-T1		VOICE(STRINGS)		01
LD135	**VT425100**	LED Red	SLZ-190B-17-T1		VOICE(CHOIR & PAD)		01
LD136	**VT425100**	LED Red	SLZ-190B-17-T1		VOICE(SYNTH.)		01
LD137	**VT425100**	LED Red	SLZ-190B-17-T1		VOICE(XG)		01
LD138	**V5771400**	LED Red	SLZ-190B-20-T1		VOICE(USER)		01
LD139	**V5771400**	LED Red	SLZ-190B-20-T1		REGIST. MEMORY(FREEZE)		01
SW052	**VV056000**	Tact Switch	SKQNAED010		DIRECT ACCESS		01
SW053	**VV056000**	Tact Switch	SKQNAED010		BALANCE		01
SW054	**VV056000**	Tact Switch	SKQNAED010		CHANNEL ON/OFF		01
SW055	**VV056000**	Tact Switch	SKQNAED010		1(UP)		01
SW056	**VV056000**	Tact Switch	SKQNAED010		2(UP)		01
SW057	**VV056000**	Tact Switch	SKQNAED010		3(UP)		01
SW058	**VV056000**	Tact Switch	SKQNAED010		4(UP)		01
SW059	**VV056000**	Tact Switch	SKQNAED010		5(UP)		01
SW060	**VV056000**	Tact Switch	SKQNAED010		6(UP)		01
SW061	**VV056000**	Tact Switch	SKQNAED010		7(UP)		01
SW062	**VV056000**	Tact Switch	SKQNAED010		8(UP)		01
SW063	**VV056000**	Tact Switch	SKQNAED010		1(DOWN)		01
SW064	**VV056000**	Tact Switch	SKQNAED010		2(DOWN)		01
SW065	**VV056000**	Tact Switch	SKQNAED010		3(DOWN)		01
SW066	**VV056000**	Tact Switch	SKQNAED010		4(DOWN)		01
SW067	**VV056000**	Tact Switch	SKQNAED010		5(DOWN)		01
SW068	**VV056000**	Tact Switch	SKQNAED010		6(DOWN)		01
SW069	**VV056000**	Tact Switch	SKQNAED010		7(DOWN)		01
SW070	**VV056000**	Tact Switch	SKQNAED010		8(DOWN)		01
SW071	**VV056000**	Tact Switch	SKQNAED010		EXIT		01
SW072	**VV056000**	Tact Switch	SKQNAED010		BACK		01
SW073	**VV056000**	Tact Switch	SKQNAED010		NEXT		01
SW074	**VV056000**	Tact Switch	SKQNAED010		MAIN		01
SW075	**VV056000**	Tact Switch	SKQNAED010		LCD select F		01
SW076	**VV056000**	Tact Switch	SKQNAED010		LCD select G		01
SW077	**VV056000**	Tact Switch	SKQNAED010		LAYER		01
SW078	**VV056000**	Tact Switch	SKQNAED010		LCD select H		01
SW079	**VV056000**	Tact Switch	SKQNAED010		LEFT		01
SW080	**VV056000**	Tact Switch	SKQNAED010		LCD select I		01
SW081	**VV056000**	Tact Switch	SKQNAED010		LCD select J		01
SW082	**VV056000**	Tact Switch	SKQNAED010		MUSIC FINDER		01
SW083	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(LEFT HOLD)		01
SW084	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(TOUCH)		01
SW085	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(SUSTAIN)		01
SW086	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(HARMONY/EC.)		01
SW087	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(MONO)		01
SW088	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(DSP)		01
SW089	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(VARIATION)		01
SW090	**VV056000**	Tact Switch	SKQNAED010		VOICE(PIANO & PARPSI.)		01
SW091	**VV056000**	Tact Switch	SKQNAED010		VOICE(E.PIANO)		01
SW092	**VV056000**	Tact Switch	SKQNAED010		VOICE(ORGAN & ACCORDION)		01
SW093	**VV056000**	Tact Switch	SKQNAED010		VOICE(PERCUSSION)		01
SW094	**VV056000**	Tact Switch	SKQNAED010		VOICE(GUITAR)		01
SW095	**VV056000**	Tact Switch	SKQNAED010		VOICE(BASS)		01
SW097	**VV056000**	Tact Switch	SKQNAED010		VOICE(BRASS)		01
SW098	**VV056000**	Tact Switch	SKQNAED010		VOICE(W.WIND)		01
SW099	**VV056000**	Tact Switch	SKQNAED010		VOICE(STRINGS)		01
SW100	**VV056000**	Tact Switch	SKQNAED010		VOICE(CHOIR & PAD)		01
SW101	**VV056000**	Tact Switch	SKQNAED010		VOICE(SYNTH.)		01
SW102	**VV056000**	Tact Switch	SKQNAED010		VOICE(XG)		01
SW103	**VV056000**	Tact Switch	SKQNAED010		VOICE(USER)		01
SW104	**VV056000**	Tact Switch	SKQNAED010		UPPER OCTAVE -		01
SW105	**VV056000**	Tact Switch	SKQNAED010		UPPER OCTAVE +		01
SW106	**VV056000**	Tact Switch	SKQNAED010		ENTER		01
SW107	**VV056000**	Tact Switch	SKQNAED010		ONE TOUCH SETTING 1		01
SW108	**VV056000**	Tact Switch	SKQNAED010		ONE TOUCH SETTING 2		01
SW109	**VV056000**	Tact Switch	SKQNAED010		ONE TOUCH SETTING 3		01
SW110	**VV056000**	Tact Switch	SKQNAED010		ONE TOUCH SETTING 4		01
SW111	**VV056000**	Tact Switch	SKQNAED010		REGIST. MEMORY(FREEZE)		01
SW112	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 1		01
SW113	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 2		01
SW114	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 3		01

⋆: New Parts

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	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	SW115	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 4		01
	SW116	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 5		01
	SW117	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 6		01
	SW118	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 7		01
	SW119	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 8		01
	SW120	**VV056000**	Tact Switch	SKQNAED010		REGIST. MEMORY(MEMORY)		01
	WH001	**- -**	Connector Assembly	PN5 10P L=200		(V778110)		
	WH009	**- -**	Connector Assembly	ENC 3P L=100		(V778190)		
		V4200400	Circuit Board	INV		(XW193B0)		07
		- -	Jumper Wire	0.55		(VA07890)		
	C0001	**V4007800**	Electrolytic Cap.	0.15 100V ECQV11				01
	C0002	**V4007700**	Ceramic Capacitor-SL	15P 3KV J				01
	CN001	**VB389800**	Connector Base Post	PH 2P TE				01
	CN002	**LB918040**	Base Post Connector	XH 4P TE				01
	L0001	**V4006900**	Coil	RCH-895-101K 100uH				01
	Q0001	**VT929300**	Transistor	2SD2097 TV2 Q,R,S				01
	Q0002	**VT929300**	Transistor	2SD2097 TV2 Q,R,S				01
	R0001	**HF755560**	Carbon Resistor	560.0 1/4 J				01
	T0001	**V4006800**	Inverter Transformer	SEP-16				05
		VU648200	Circuit Board	MK-H		(XR565C0)		09
	2	**VB941200**	Diode	1SS133,1SS176				01
	5	**VK025600**	Wire Trap	52147 12P TE				01
	6	**VK024900**	Wire Trap	52147 5P TE				01
		VU648100	Circuit Board	MK-L		(XR564C0)		09
	2	**VB941200**	Diode	1SS133,1SS176				01
	5	**VK025600**	Wire Trap	52147 12P TE				01
	6	**VK025100**	Wire Trap	52147 7P TE				01
*		**V8142700**	Circuit Board	MKS5F		(X2002A0)		
		- -	Vibration-proof Tape	10X64X0.5		(VK34680)		
		- -	Jumper Wire	0.55		(VA07890)		
	C1	**FG651220**	Ceramic Capacitor-SL	22P 50V J				01
	-3	**FG651220**	Ceramic Capacitor-SL	22P 50V J				01
	C1	**VR027400**	Ceramic Capacitor-SL	22P 63V J				01
	-3	**VR027400**	Ceramic Capacitor-SL	22P 63V J				01
	C4	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C5	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C5	**VM902400**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	CA1	**VP755200**	Ceramic Capacitor Array	100P 50V K				02
	CA2	**VP755200**	Ceramic Capacitor Array	100P 50V K				02
	CL1	**V6781400**	Ceramic Resonator	5.00M EF0EC5004T4Q				01
	CN1	**VF728300**	Wire Trap	52147 6P TE				01
	CN2	**VK025600**	Wire Trap	52147 12P TE				01
	CN3	**VK025100**	Wire Trap	52147 7P TE				01
	CN4	**VK024900**	Wire Trap	52147 5P TE				01
	IC1	**XZ560100**	IC	UPD789022GB-A15-8E		CPU KBS		04
	R1	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
	R2	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
	R3	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
	R1	**VL631400**	Carbon Resistor	4.7K 1/6 J				01
	R2	**VL631400**	Carbon Resistor	4.7K 1/6 J				01
	R3	**VL632600**	Carbon Resistor	47.0K 1/6 J				01
	RA1	**VH373200**	Resistor Array	RGLE12X473J				01
*		**V7750700**	Circuit Board	PB2		(V756900)(X0269B0)		
*		**V7750500**	Circuit Board	PN3		(V756900)(X0269B0)		
*		**V7750600**	Circuit Board	PN4		(V756900)(X0269B0)		
		- -	Vibration-proof Tape	7X100X0.5		(VT85820)		
*	CN008	**VZ992200**	Connector, FFC	52207 28P SE				
	CN009	**V2426700**	Connector	52207-1190 11PIN				01
	CN010	**VK024700**	Wire Trap	52147 3P TE				01
	CN012	**V2426700**	Connector	52207-1190 11PIN				01
	CN016	**VI878100**	Cable Holder	51048 3P TE				01
	D0009	**VB941200**	Diode	1SS133,1SS176				01
	-0020	**VB941200**	Diode	1SS133,1SS176				01
*	LD001	**V7481600**	LED Green/Red	GL3ED403B0V		SONG(EXTRA TRACKS)		
*	LD002	**V7481600**	LED Green/Red	GL3ED403B0V		SONG(TRACK 2)		
*	LD003	**V7481600**	LED Green/Red	GL3ED403B0V		SONG(TRACK 1)		
*	LD004	**V7481600**	LED Green/Red	GL3ED403B0V		SONG(START/STOP)		

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	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
*	LD005	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(BREAK)		
*	LD006	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(INTRO)		
*	LD007	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(MAIN A)		
*	LD008	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(MAIN B)		
*	LD009	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(MAIN C)		
*	LD010	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(MAIN D)		
*	LD011	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(ENDING/rit)		
*	LD012	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONT.(START/STOP)		
	LD102	**VD180000**	LED Red	SLZ-190B-03		SONG(REPEAT)		01
	LD103	**VD180000**	LED Red	SLZ-190B-03		SONG(METRONOME)		01
	LD104	**V5771400**	LED Red	SLZ-190B-20-T1		SONG(REC)		01
	LD108	**V5771400**	LED Red	SLZ-190B-20-T1		FADE IN/OUT		01
	LD109	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE CONTROL(ACMP)		01
	LD110	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE CONT.(AUTO FILL IN)		01
	LD111	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE CONT.(OTS LINK)		01
	LD112	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE CONT.(SYNC. STOP)		01
	LD113	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE CONT.(SYNC. START)		01
	LD140	**VT425100**	LED Red	SLZ-190B-17-T1		STYLE(POP & ROCK)		01
	LD141	**VT425100**	LED Red	SLZ-190B-17-T1		STYLE(SWING & JAZZ)		01
	LD142	**VT425100**	LED Red	SLZ-190B-17-T1		STYLE(BALLROOM)		01
	LD143	**VT425100**	LED Red	SLZ-190B-17-T1		STYLE(MARCH & WALTZ)		01
	LD144	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE(BALLAD)		01
	LD145	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE(DANCE)		01
	LD146	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE(LATIN)		01
	LD147	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE(USER)		01
	SW001	**VV056000**	Tact Switch	SKQNAED010		SONG(EXTRA TRACKS)		01
	SW002	**VV056000**	Tact Switch	SKQNAED010		SONG(TRACK 2)		01
	SW003	**VV056000**	Tact Switch	SKQNAED010		SONG(TRACK 1)		01
	SW005	**VV056000**	Tact Switch	SKQNAED010		SONG(REPEAT)		01
	SW006	**VV056000**	Tact Switch	SKQNAED010		SONG(METRONOME)		01
	SW007	**VV056000**	Tact Switch	SKQNAED010		SONG(REC)		01
	SW008	**VV056000**	Tact Switch	SKQNAED010		SONG(TOP)		01
	SW009	**VV056000**	Tact Switch	SKQNAED010		SONG(START/STOP)		01
	SW010	**VV056000**	Tact Switch	SKQNAED010		SONG(RW)		01
	SW011	**VV056000**	Tact Switch	SKQNAED010		SONG(FF)		01
	SW017	**VV056000**	Tact Switch	SKQNAED010		TRANSPOSE -		01
	SW018	**VV056000**	Tact Switch	SKQNAED010		TRANSPOSE +		01
	SW019	**VV056000**	Tact Switch	SKQNAED010		TEMPO -		01
	SW020	**VV056000**	Tact Switch	SKQNAED010		TEMPO +		01
	SW021	**VV056000**	Tact Switch	SKQNAED010		TAP TEMPO		01
	SW022	**VV056000**	Tact Switch	SKQNAED010		STOP		01
	SW023	**VV056000**	Tact Switch	SKQNAED010		FADE IN/OUT		01
	SW024	**VV056000**	Tact Switch	SKQNAED010		MULTIPAD 1		01
	SW025	**VV056000**	Tact Switch	SKQNAED010		MULTIPAD 2		01
	SW026	**VV056000**	Tact Switch	SKQNAED010		MULTIPAD 3		01
	SW027	**VV056000**	Tact Switch	SKQNAED010		MULTIPAD 4		01
	SW028	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(ACMP)		01
	SW029	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(BREAK)		01
	SW030	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(INTRO)		01
	SW031	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(MAIN A)		01
	SW032	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(MAIN B)		01
	SW033	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(MAIN C)		01
	SW034	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(MAIN D)		01
	SW035	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(ENDING/rit)		01
	SW036	**VV056000**	Tact Switch	SKQNAED010		STYLE CONT.(AUTO FILL IN)		01
	SW037	**VV056000**	Tact Switch	SKQNAED010		STYLE CONT.(OTS LINK)		01
	SW038	**VV056000**	Tact Switch	SKQNAED010		STYLE CONT.(SYNC. STOP)		01
	SW039	**VV056000**	Tact Switch	SKQNAED010		STYLE CONT.(SYNC. START)		01
	SW040	**VV056000**	Tact Switch	SKQNAED010		STYLE CONT.(START/STOP)		01
	SW041	**VV056000**	Tact Switch	SKQNAED010		SOUND CREATOR		01
	SW042	**VV056000**	Tact Switch	SKQNAED010		LCD select A		01
	SW043	**VV056000**	Tact Switch	SKQNAED010		DIGITAL RECORDING		01
	SW044	**VV056000**	Tact Switch	SKQNAED010		LCD select B		01
	SW045	**VV056000**	Tact Switch	SKQNAED010		MIXING CONSOLE		01
	SW046	**VV056000**	Tact Switch	SKQNAED010		LCD select C		01
	SW047	**VV056000**	Tact Switch	SKQNAED010		LCD select D		01
	SW048	**VV056000**	Tact Switch	SKQNAED010		LCD select E		01
	SW049	**VV056000**	Tact Switch	SKQNAED010		DEMO		01
	SW050	**VV056000**	Tact Switch	SKQNAED010		HELP		01
	SW051	**VV056000**	Tact Switch	SKQNAED010		FUNCTION		01

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
SW121	**VV056000**	Tact Switch	SKQNAED010		STYLE(POP & ROCK)		01
SW122	**VV056000**	Tact Switch	SKQNAED010		STYLE(SWING & JAZZ)		01
SW123	**VV056000**	Tact Switch	SKQNAED010		STYLE(BALLROOM)		01
SW124	**VV056000**	Tact Switch	SKQNAED010		STYLE(MARCH & WALTZ)		01
SW125	**VV056000**	Tact Switch	SKQNAED010		STYLE(BALLAD)		01
SW126	**VV056000**	Tact Switch	SKQNAED010		STYLE(DANCE)		01
SW127	**VV056000**	Tact Switch	SKQNAED010		STYLE(LATIN)		01
SW128	**VV056000**	Tact Switch	SKQNAED010		STYLE(USER)		01
VR003	**VT432100**	Rotary Variable Resistor	B10K EVJ05DF25B14		PITCH BEND		03
WH010	**- -**	Connector Assembly	PB 3P L=130		(V778200)		
	XV910A00	Speaker	5.0cm 4ohm		TWEETER	2	05
	XT523A00	Speaker	12.0cm 4ohm 10W		WOOFER	2	07
	V3331300	LCD	EDMMPU3BCF				23
	V6492300	Floppy Disk Drive	DF354H				13

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PSR-2000 ELECTRICAL PARTS

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
			ELECTRICAL PARTS			PSR-2000		
*		**V7749800**	Circuit Board	AM		(V756840)(X0189C0)		
*		**V7750000**	Circuit Board	HP		(V756840)(X0189C0)		
*		**V7749900**	Circuit Board	SW		(V756840)(X0189C0)		
*		**V7750100**	Circuit Board	VR		(V756840)(X0189C0)		
*		**V7637800**	Circuit Board	DM		(X0129C0)		
*		**V7751100**	Circuit Board	ENC		(V756860)(X0268B0)		
*		**V7750900**	Circuit Board	PN1		(V756860)(X0268B0)		
*		**V7751000**	Circuit Board	PN2		(V756860)(X0268B0)		
		V4200400	Circuit Board	INV		(XW193B0)		07
		VU648200	Circuit Board	MK-H		(XR565C0)		09
		VU648100	Circuit Board	MK-L		(XR564C0)		09
*		**V8142700**	Circuit Board	MKS5F		(X2002A0)		
*		**V7751500**	Circuit Board	MOD		(V756870)(X0269B0)		
*		**V7751400**	Circuit Board	PB1		(V756870)(X0269B0)		
*		**V7751200**	Circuit Board	PN3		(V756870)(X0269B0)		
*		**V7751300**	Circuit Board	PN4		(V756870)(X0269B0)		
*		**V7749800**	Circuit Board	AM		(V756840)(X0189C0)		
*		**V7750000**	Circuit Board	HP		(V756840)(X0189C0)		
*		**V7749900**	Circuit Board	SW		(V756840)(X0189C0)		
*		**V7750100**	Circuit Board	VR		(V756840)(X0189C0)		
		- -	Jumper Wire	0.55		(VA07890)		
		VB933800	Ferrite Core	BP53RB310190100A				
	10	**- -**	Angle Bracket			(V748510)		
	20	**- -**	Angle Bracket, DC Jack			(V748520)		
	30	**EP600130**	Bind Head Tapping Screw-B	3.0X6 MFZN2Y			2	01
	40	**EP630220**	Bind Head Tapping Screw-P	3.0X8 MFZN2BL				01
	50	**EP600190**	Bind Head Tapping Screw-B	3.0X8 MFZN2BL			4	01
	60	**EP600220**	Bind Head Tapping Screw-B	3.0X10 MFZN2Y			2	01
	C0100	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0101	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0102	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0103	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
	C0104	**UR749680**	Electrolytic Cap.	6800 25.0V				03
	C0105	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
	C0106	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0107	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0108	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
	C0109	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0110	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
	C0111	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
	C0112	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0113	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
	C0114	**UR848100**	Electrolytic Cap.	100.00 25.0V				01
	C0115	**UN837470**	Electrolytic Cap.-BP	47.00 16.0V				01
	C0116	**UN837470**	Electrolytic Cap.-BP	47.00 16.0V				01
	C0117	**FG652100**	Ceramic Capacitor-SL	100P 50V J				01
	C0118	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
	C0119	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0120	**FG613680**	Ceramic Capacitor-B	6800P 50V K				01
	C0121	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0122	**VR169200**	Monolithic Mylar Capacitor	0.47 50V J				01
	C0123	**UA654470**	Mylar Capacitor	0.0470 50V J				01
	C0124	**UA653820**	Mylar Capacitor	8200P 50V J				01
	C0125	**UA653390**	Mylar Capacitor	3900P 50V J				01
	C0126	**UA654120**	Mylar Capacitor	0.0120 50V J				01
	C0127	**VR169200**	Monolithic Mylar Capacitor	0.47 50V J				01
	C0128	**UA654470**	Mylar Capacitor	0.0470 50V J				01
	C0129	**UA653820**	Mylar Capacitor	8200P 50V J				01
	C0130	**UA653390**	Mylar Capacitor	3900P 50V J				01
	C0131	**UA654120**	Mylar Capacitor	0.0120 50V J				01
	C0132	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
	C0133	**VR169000**	Monolithic Mylar Capacitor	0.33 50V J				01
	C0134	**VR169100**	Monolithic Mylar Capacitor	0.39 50V J				01
	C0135	**UA654330**	Mylar Capacitor	0.0330 50V J				01
	C0136	**UA654180**	Mylar Capacitor	0.0180 50V J				01
	C0137	**UA653100**	Mylar Capacitor	1000P 50V J				03
	C0138	**VR169000**	Monolithic Mylar Capacitor	0.47 50V J				01
	C0139	**VR169100**	Monolithic Mylar Capacitor	0.39 50V J				01

*: New Parts

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C0140	**UA654330**	Mylar Capacitor	0.0330 50V J				01
C0141	**UA654180**	Mylar Capacitor	0.0180 50V J				01
C0142	**UA653100**	Mylar Capacitor	1000P 50V J				03
C0143	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
C0144	**FG612220**	Ceramic Capacitor-B	220P 50V K				01
C0145	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
C0146	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
C0147	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0148	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
C0149	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0150	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
C0152	**FG612560**	Ceramic Capacitor-B	560P 50V K				01
C0153	**FG612560**	Ceramic Capacitor-B	560P 50V K				01
C0154	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0155	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
C0156	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0157	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0158	**UA653470**	Mylar Capacitor	4700P 50V J				01
C0159	**UA653470**	Mylar Capacitor	4700P 50V J				01
C0160	**UA653820**	Mylar Capacitor	8200P 50V J				01
C0161	**UA653820**	Mylar Capacitor	8200P 50V J				01
C0162	**UA653470**	Mylar Capacitor	4700P 50V J				01
C0163	**UA653470**	Mylar Capacitor	4700P 50V J				01
C0164	**UA653390**	Mylar Capacitor	3900P 50V J				01
C0165	**UA653390**	Mylar Capacitor	3900P 50V J				01
C0166	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
C0167	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
C0168	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
C0169	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
C0170	**V6490000**	Monolithic Ceramic Cap.	1.000 25V Z				01
C0171	**V6490000**	Monolithic Ceramic Cap.	1.000 25V Z				01
C0172	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
-0175	**UR837100**	Electrolytic Cap.	10.00 16.0V				
C0176	**UR866220**	Electrolytic Cap.	2.20 50.0V				01
C0177	**UR866220**	Electrolytic Cap.	2.20 50.0V				01
C0178	**V6490000**	Monolithic Ceramic Cap.	1.000 25V Z				01
C0179	**V6490000**	Monolithic Ceramic Cap.	1.000 25V Z				01
C0180	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
C0181	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
C0182	**UR866220**	Electrolytic Cap.	2.20 50.0V				01
C0183	**UR866220**	Electrolytic Cap.	2.20 50.0V				01
C0184	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
C0185	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
C0186	**UR827330**	Electrolytic Cap.	33.00 10.0V				01
C0187	**UR866470**	Electrolytic Cap.	4.70 50.0V				
C0188	**UR865470**	Electrolytic Cap.	0.47 50.0V				01
C0189	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
C0190	**FG651680**	Ceramic Capacitor-SL	68P 50V J				01
-0193	**FG651680**	Ceramic Capacitor-SL	68P 50V J				01
C0194	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0195	**UR848100**	Electrolytic Cap.	100.00 25.0V				01
C0196	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
C0197	**UR838220**	Electrolytic Cap.	220.00 16.0V				01
C0198	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0199	**UR838220**	Electrolytic Cap.	220.00 16.0V				01
C0200	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0201	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0202	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
-0205	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
C0206	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0207	**UR848100**	Electrolytic Cap.	100.00 25.0V				01
C0208	**FG644220**	Ceramic Capacitor-F	0.0220 50V Z				01
C0209	**FG644220**	Ceramic Capacitor-F	0.0220 50V Z				01
C0210	**UR838220**	Electrolytic Cap.	220.00 16.0V				01
C0211	**UR838220**	Electrolytic Cap.	220.00 16.0V				01
C0213	**UR838220**	Electrolytic Cap.	220.00 16.0V				01
C0214	**UR838220**	Electrolytic Cap.	220.00 16.0V				01
C0215	**UA654470**	Mylar Capacitor	0.0470 50V J				01
C0216	**FG613680**	Ceramic Capacitor-B	6800P 50V K				01
-0219	**FG613680**	Ceramic Capacitor-B	6800P 50V K				01

⋆: New Parts

RANK: Japan only

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	C0220	**UA654470**	Mylar Capacitor	0.0470 50V J				01
	-0222	**UA654470**	Mylar Capacitor	0.0470 50V J				01
	C0300	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
	C0301	**UN817470**	Electrolytic Cap.-BP	47.00 6.3V				01
	C0302	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
	C0303	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0304	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
	C0305	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
	C0306	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
	C0307	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0308	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
	C0309	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
	C0310	**FG613100**	Ceramic Capacitor-B	1000P 50V K				01
	C0311	**FG613100**	Ceramic Capacitor-B	1000P 50V K				01
	C0400	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0401	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0500	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
	CN100	**VI878300**	Cable Holder	51048 5P TE				01
	CN101	**VI878200**	Cable Holder	51048 4P TE				01
	CN102	**VK024900**	Wire Trap	52147 5P TE				01
	CN103	**VB390500**	Connector Base Post	PH 9P TE				01
	CN104	**VI878400**	Cable Holder	51048 6P TE				01
	CN105	**VI878400**	Cable Holder	51048 6P TE				01
	CN106	**VI878300**	Cable Holder	51048 5P TE				01
	CN107	**VK024700**	Wire Trap	52147 3P TE				01
	CN108	**VI878300**	Cable Holder	51048 5P TE				01
	CN109	**LB918040**	Base Post Connector	XH 4P TE				01
	CN110	**LB918050**	Base Post Connector	XH 5P TE				01
	CN111	**VI878300**	Cable Holder	51048 5P TE				01
	CN300	**VI878900**	Cable Holder	51048 11P TE				01
	CN303	**VI878100**	Cable Holder	51048 3P TE				01
⚠	D0100	**VR313500**	Diode	S3V20				01
	D0300	**VB941200**	Diode	1SS133,1SS176				01
	-0303	**VB941200**	Diode	1SS133,1SS176				01
	D0400	**VB941200**	Diode	1SS133,1SS176				01
	-0403	**VB941200**	Diode	1SS133,1SS176				01
	HS001	**- -**	Heat Sink	25BS098H-L50		(V776520)		
	HS002	**- -**	Heat Sink			(V791920)		
	IC100	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC101	**XJ608A00**	IC	NJM7812FA		REGULATOR +12V		02
	IC102	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC103	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC104	**XF751A00**	IC	M5227P		EQUALIZER		04
	IC105	**XF751A00**	IC	M5227P		EQUALIZER		04
	IC107	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC108	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC109	**XF483A00**	IC	LB1443N		LED DRIVER		02
	IC110	**XQ619A00**	IC	LA4705NA		POWER AMP 17W		05
	IC111	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC112	**XB247A00**	IC	UPC4570HA		OP AMP		02
	IC113	**XW812A00**	IC	LA4262		POWER AMP 7W 2ch		04
	IC114	**XM217A00**	IC	LA4525		POWER AMP 0.65W 2ch		03
	IC301	**IG142250**	IC	SN74HCU04N		INVERTER		01
	IC307	**XU463A00**	IC	SN75C1168N		LINE TRANSCEIVER		05
	IC308	**VG181900**	Photo Coupler	PC-900V				03
	J0100	**- -**	Jumper Wire	0.55		(VA07890)		
	J0102	**- -**	Jumper Wire	0.55		(VA07890)		
	-0113	**- -**	Jumper Wire	0.55		(VA07890)		
	J0116	**- -**	Jumper Wire	0.55		(VA07890)		
	-0118	**- -**	Jumper Wire	0.55		(VA07890)		
	J0127	**- -**	Jumper Wire	0.55		(VA07890)		
	-0130	**- -**	Jumper Wire	0.55		(VA07890)		
	J0999	**- -**	Jumper Wire	0.55		(VA07890)		
⚠*	JK100	**V7509100**	Connector	DJ-0735B-029		DC IN		
	JK101	**LB101870**	Phone Jack	YKB21-5006		MIC/LINE		03
	JK102	**VB312600**	Phone Jack Black	YKB21-5012		OUTPUT R		02
	JK103	**VC687500**	Phone Jack Black	YKB21-5014		OUTPUT L/L+R		01
	JK104	**VP599300**	Pin Jack	2P YKC21-3120		AUX OUT L/R(LEVEL FIXED)		02
	JK105	**LB101870**	Phone Jack	YKB21-5006		PHONES		03
	JK300	**VJ107200**	DIN Connector	5P YKF51-5050		MIDI OUT		01

*: New Parts

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
JK301	**VJ107200**	DIN Connector	5P YKF51-5050		MIDI IN		01
JK302	**VM761000**	DIN Connector	8P MD-S810		TO HOST		03
JK303	**VB312600**	Phone Jack Black	YKB21-5012		FOOT PEDAL 1		02
JK304	**VS115400**	Phone Jack Black	LGR4609-7000		FOOT PEDAL 2		01
⚠ L0100	**VI486800**	Line Filter	SU10VD-20020				03
L0101	**VF456600**	Coil	SBT-0180W 80uH				03
L0102	**VB835000**	Coil	FL5R200QNT 20uH				01
L0102	**V2993400**	Choke Coil	R-5C. 20uH				01
L0103	**GE300670**	Ferrite Bead	BL02RN2-R62T4				02
L0104	**VB835000**	Coil	FL5R200QNT 20uH				01
L0104	**V2993400**	Choke Coil	R-5C. 20uH				01
L0105	**VB835000**	Coil	FL5R200QNT 20uH				01
L0105	**V2993400**	Choke Coil	R-5C. 20uH				01
L0106	**GE300670**	Ferrite Bead	BL02RN2-R62T4				02
L0107	**VB835000**	Coil	FL5R200QNT 20uH				01
-0109	**VB835000**	Coil	FL5R200QNT 20uH				01
L0107	**V2993400**	Choke Coil	R-5C. 20uH				01
-0109	**V2993400**	Choke Coil	R-5C. 20uH				01
L0110	**GE300670**	Ferrite Bead	BL02RN2-R62T4				02
L0300	**VB835000**	Coil	FL5R200QNT 20uH				01
-0312	**VB835000**	Coil	FL5R200QNT 20uH				01
L0300	**V2993400**	Choke Coil	R-5C. 20uH				01
-0312	**V2993400**	Choke Coil	R-5C. 20uH				01
L0313	**GE300670**	Ferrite Bead	BL02RN2-R62T4				02
L0314	**VB835000**	Coil	FL5R200QNT 20uH				01
-0316	**VB835000**	Coil	FL5R200QNT 20uH				01
L0314	**V2993400**	Choke Coil	R-5C. 20uH				01
-0316	**V2993400**	Choke Coil	R-5C. 20uH				01
L0400	**VB835000**	Coil	FL5R200QNT 20uH				01
L0400	**V2993400**	Choke Coil	R-5C. 20uH				01
L0401	**VB835000**	Coil	FL5R200QNT 20uH				01
L0401	**V2993400**	Choke Coil	R-5C. 20uH				01
L0500	**VB835000**	Coil	FL5R200QNT 20uH				01
L0500	**V2993400**	Choke Coil	R-5C. 20uH				01
L0501	**VB835000**	Coil	FL5R200QNT 20uH				01
L0501	**V2993400**	Choke Coil	R-5C. 20uH				01
R0100	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
R0101	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0102	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0103	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
-0106	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
R0107	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0108	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
-0111	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0112	**HF757180**	Carbon Resistor	18.0K 1/4 J				01
R0113	**HF756120**	Carbon Resistor	1.2K 1/4 J				01
R0114	**HF756390**	Carbon Resistor	3.9K 1/4 J				01
R0115	**HF755150**	Carbon Resistor	150.0 1/4 J				01
R0116	**HF757150**	Carbon Resistor	15.0K 1/4 J				01
R0117	**HF757180**	Carbon Resistor	18.0K 1/4 J				01
R0118	**HF756120**	Carbon Resistor	1.2K 1/4 J				01
R0119	**HF756390**	Carbon Resistor	3.9K 1/4 J				01
R0120	**HF755150**	Carbon Resistor	150.0 1/4 J				01
R0121	**HF757150**	Carbon Resistor	15.0K 1/4 J				01
R0122	**HF755560**	Carbon Resistor	560.0 1/4 J				01
R0123	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0124	**HF757180**	Carbon Resistor	18.0K 1/4 J				01
R0125	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0126	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
R0127	**HF755560**	Carbon Resistor	560.0 1/4 J				01
R0128	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0129	**HF757180**	Carbon Resistor	18.0K 1/4 J				01
R0130	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0131	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
R0132	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
R0133	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0134	**HF757180**	Carbon Resistor	18.0K 1/4 J				01
R0135	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0136	**HF755220**	Carbon Resistor	220.0 1/4 J				01
R0139	**HF757100**	Carbon Resistor	10.0K 1/4 J				01

⋆: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
R0140	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0141	**HF756330**	Carbon Resistor	3.3K 1/4 J				01
R0142	**HF756330**	Carbon Resistor	3.3K 1/4 J				01
R0143	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0144	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
R0145	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
R0146	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0147	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0148	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
R0149	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
R0150	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0151	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0152	**HF756180**	Carbon Resistor	1.8K 1/4 J				01
R0153	**HF756180**	Carbon Resistor	1.8K 1/4 J				01
R0154	**HF756270**	Carbon Resistor	2.7K 1/4 J				01
R0155	**HF756270**	Carbon Resistor	2.7K 1/4 J				01
R0156	**HF755560**	Carbon Resistor	560.0 1/4 J				01
R0157	**HF755560**	Carbon Resistor	560.0 1/4 J				01
R0158	**HF455470**	Carbon Resistor	470.0 1/4 J				01
R0159	**HF455470**	Carbon Resistor	470.0 1/4 J				01
R0160	**HF756220**	Carbon Resistor	2.2K 1/4 J				01
R0161	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0162	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
-0165	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0166	**HF756220**	Carbon Resistor	2.2K 1/4 J				01
R0167	**HF756220**	Carbon Resistor	2.2K 1/4 J				01
R0168	**HF455100**	Carbon Resistor	100.0 1/4 J				01
R0169	**HF455100**	Carbon Resistor	100.0 1/4 J				01
R0170	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0171	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0172	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0173	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0174	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
-0179	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0180	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0181	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0182	**HF754820**	Carbon Resistor	82.0 1/4 J				01
R0183	**HF754820**	Carbon Resistor	82.0 1/4 J				01
R0184	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
-0187	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0188	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0189	**HF756820**	Carbon Resistor	8.2K 1/4 J				01
R0190	**HF755680**	Carbon Resistor	680.0 1/4 J				01
-0193	**HF755680**	Carbon Resistor	680.0 1/4 J				01
R0194	**HF753220**	Carbon Resistor	2.2 1/4 J				01
R0195	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0196	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0197	**HF753220**	Carbon Resistor	2.2 1/4 J				01
R0198	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0199	**HF753220**	Carbon Resistor	2.2 1/4 J				01
R0200	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
-0203	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0204	**HF753220**	Carbon Resistor	2.2 1/4 J				01
R0205	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0206	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0207	**HF755330**	Carbon Resistor	330.0 1/4 J				01
R0208	**HF755330**	Carbon Resistor	330.0 1/4 J				01
R0209	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0210	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0211	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0212	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0300	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
-0303	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0304	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0305	**HF755100**	Carbon Resistor	100.0 1/4 J				01
R0306	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0307	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0308	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0309	**HF755220**	Carbon Resistor	220.0 1/4 J				01
R0310	**HF755220**	Carbon Resistor	220.0 1/4 J				01

⋆: New Parts

RANK: Japan only

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	R0311	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0312	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0313	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
	R0314	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0315	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
	R0316	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
	R0317	**HF756150**	Carbon Resistor	1.5K 1/4 J				01
	R0318	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0319	**HF755220**	Carbon Resistor	220.0 1/4 J				01
	-0322	**HF755220**	Carbon Resistor	220.0 1/4 J				01
	R0323	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0324	**HF757470**	Carbon Resistor	47.0K 1/4 J				01
	R0325	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
	R0400	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
	R0401	**HF756820**	Carbon Resistor	8.2K 1/4 J				01
	R0402	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
	R0403	**HF756150**	Carbon Resistor	1.5K 1/4 J				01
	R0404	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
	R0405	**HF756330**	Carbon Resistor	3.3K 1/4 J				01
	R0406	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
	R0407	**HF755330**	Carbon Resistor	330.0 1/4 J				01
	R0408	**HF755330**	Carbon Resistor	330.0 1/4 J				01
⚠	SW100	**VY980400**	Push Switch	SDDLB1 J,UC,CEE		STANDBY/ON		03
	SW101	**VQ545800**	Slide Switch	SSSF04		MIC/LINE		02
	SW300	**VQ665200**	Slide Switch	SSSF144-S06N-0		HOST SELECT		03
⚠	TH100	**VV458000**	Protector Switch	RUE250 2.50A 30V				03
	TR100	**IC174070**	Transistor	2SC1740S R,S				01
	TR101	**IC174070**	Transistor	2SC1740S R,S				01
	TR102	**IA101590**	Transistor	2SA1015 O,Y				01
	TR103	**IC174070**	Transistor	2SC1740S R,S				01
	-106	**IC174070**	Transistor	2SC1740S R,S				01
	TR300	**IC174070**	Transistor	2SC1740S R,S				01
	TR301	**IC174070**	Transistor	2SC1740S R,S				01
	TR400	**IA101590**	Transistor	2SA1015 O,Y				01
	TR401	**IC174070**	Transistor	2SC1740S R,S				01
	VR100	**VZ048400**	Rotary Variable Resistor	A10.0K XV0141GPVN2		MASTER VOLUME		02
*	VR101	**V7597000**	Rotary Variable Resistor	A 10.0K RK09K1110		INPUT VOLUME		
	VR300	**VV049100**	Rotary Variable Resistor	B 10K RK09K1110		LCD CONTRAST		01
	WH002	**- -**	Connector Assembly	CNT 3P L=120		(V778120)		
	WH003	**- -**	Connector Assembly	DJ 11P L=120		(V778130)		
	WH005	**- -**	Connector Assembly	VOL 5P L=480		(V778150)		
	WH006	**- -**	Connector Assembly	PS 5P L=120		(V778160)		
	WH007	**- -**	Connector Assembly	HP 5P L=380		(V778170)		
	WH008	**- -**	Connector Assembly	SW 6P L=320		(V778180)		
	WH012	**- -**	Connector Assembly	MIC 4P L=300		(V778220)		
	ZD001	**VG437300**	Zener Diode	MTZ J 5.1A 5.1V				
*		**V7637800**	Circuit Board	DM		(X0129C0)		
	C0000	**UR848100**	Electrolytic Cap.	100.00 25.0V				01
	C0001	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0002	**UR839100**	Electrolytic Cap.	1000 16.0V				01
	C0005	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0006	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
	C0007	**UF047100**	Electrolytic Cap. (chip)	10 25V				01
	C0008	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0009	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0010	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
	C0011	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0012	**UF028100**	Electrolytic Cap. (chip)	100 10V				01
	C0013	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0014	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
	C0015	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0100	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
	C0101	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	-0110	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0111	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
	C0112	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	-0115	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0116	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
	C0117	**US061220**	Ceramic Capacitor-CH(chip)	22P 50V J				01

*: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C0118	**US061220**	Ceramic Capacitor-CH(chip)	22P 50V J				01
C0119	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
-0122	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0123	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
C0124	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0125	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0126	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0127	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0128	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0129	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0130	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
-0145	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0146	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0147	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
-0151	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0153	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0154	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0155	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0158	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
-0160	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0162	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0170	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
-0178	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0200	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
-0211	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0212	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0213	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0215	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0216	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0217	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0218	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0219	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
-0225	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0228	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0231	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0232	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0233	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0234	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0235	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0236	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0237	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0238	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0239	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0240	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0300	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0301	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0302	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
C0303	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0304	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0305	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0306	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0307	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0308	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0309	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0310	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0311	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0312	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0313	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0314	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0315	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0316	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
-0318	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0319	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
C0320	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0321	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0404	**UF028100**	Electrolytic Cap. (chip)	100 10V				01
C0405	**UF028100**	Electrolytic Cap. (chip)	100 10V				01
C0407	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
-0414	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0415	**UF017220**	Electrolytic Cap. (chip)	22 6.3V				01

⋆: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C0416	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
-0418	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0419	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
C0420	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0421	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0422	**US061100**	Ceramic Capacitor-CH(chip)	10P 50V D				01
C0423	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0424	**US061100**	Ceramic Capacitor-CH(chip)	10P 50V D				01
C0425	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
-0448	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0449	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0450	**UF028100**	Electrolytic Cap. (chip)	100 10V				01
C0451	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0452	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0453	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0454	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0499	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0500	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0501	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0503	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0504	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0505	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
C0528	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0529	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0536	**UF018100**	Electrolytic Cap. (chip)	100 6.3V				01
C0550	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
C0551	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
-0557	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0558	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0559	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z				01
-0565	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z				01
C0566	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0567	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0568	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0586	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0587	**UF057100**	Electrolytic Cap. (chip)	10 35V				01
C0588	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0600	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0601	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0602	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0603	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0604	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0605	**V2334500**	Electrolytic Cap.	1000 25.0				01
C0622	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0646	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0648	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0650	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0677	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0678	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
-0695	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
C0701	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
C0702	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0704	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0705	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
C0706	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0707	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
C0709	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0710	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
C0711	**UF047100**	Electrolytic Cap. (chip)	10 25V				01
C0712	**UF047100**	Electrolytic Cap. (chip)	10 25V				01
C0715	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
C0716	**UF037220**	Electrolytic Cap. (chip)	22 16V				01
C0717	**US063220**	Ceramic Capacitor-B (chip)	2200P 50V K				01
C0718	**US063220**	Ceramic Capacitor-B (chip)	2200P 50V K				01
C0719	**UF037220**	Electrolytic Cap. (chip)	22 16V				01
C0720	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J				01
C0721	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
C0722	**UF046470**	Electrolytic Cap. (chip)	4.7 25V				01
C0723	**UF046470**	Electrolytic Cap. (chip)	4.7 25V				01
C0724	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J				01

⋆: New Parts

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	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	C0725	**US062330**	Ceramic Capacitor-SL(chip)	330P 50V J				01
	C0726	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
	C0727	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J				01
	C0728	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J				01
	C0729	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
	C0730	**US135100**	Ceramic Capacitor-F (chip)	0.1000 16V Z				01
	C0731	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
	C0732	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
	C0733	**US063220**	Ceramic Capacitor-B (chip)	2200P 50V K				01
	C0734	**UF046470**	Electrolytic Cap. (chip)	4.7 25V				01
	C0735	**US062330**	Ceramic Capacitor-SL(chip)	330P 50V J				01
	C0736	**UF046470**	Electrolytic Cap. (chip)	4.7 25V				01
	C0737	**US062150**	Ceramic Capacitor-SL(chip)	150P 50V J				01
	C0738	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0739	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0741	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
	C0742	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
	C0743	**US062150**	Ceramic Capacitor-SL(chip)	150P 50V J				01
	C0744	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
	C0745	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J				01
	C0746	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
	C0747	**UF066100**	Electrolytic Cap. (chip)	1 50V				01
	C0800	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0801	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
	C0802	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0803	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
	C0804	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0805	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0806	**UF037100**	Electrolytic Cap. (chip)	10 16V				01
	C0807	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0904	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0905	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
	C0906	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
	C0911	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
	-0928	**US062470**	Ceramic Capacitor-SL(chip)	470P 50V J				01
	C0930	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K				01
	C0999	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K				01
*	CN100	**V6146400**	Connector, FFC	52207 21P SE				
	CN102	**VF728300**	Wire Trap	52147 6P TE				01
	CN103	**LB918030**	Base Post Connector	XH 3P TE				01
	CN104	**VB389800**	Connector Base Post	PH 2P TE				01
	CN105	**VK024900**	Wire Trap	52147 5P TE				01
	CN109	**VK025500**	Wire Trap	52147 11P TE				01
	CN300	**VQ391300**	Connector	34P TE				03
	CN500	**VV878100**	Connector Base Post	DF13-14P-1.25DSA				04
	CN501	**VK024700**	Wire Trap	52147 3P TE				01
*	CN600	**V7563700**	Connector, FFC	52207 26P SE				
	CN700	**VK024800**	Wire Trap	52147 4P TE				01
	CN908	**VB390500**	Connector Base Post	PH 9P TE				01
	D0000	**VZ060500**	Diode	SFPB-62V				01
	D0500	**VT332900**	Diode	1SS355 TE-17				01
	-0505	**VT332900**	Diode	1SS355 TE-17				01
	D0510	**VT332900**	Diode	1SS355 TE-17				01
	D0700	**VT332900**	Diode	1SS355 TE-17				01
	D0701	**VT332900**	Diode	1SS355 TE-17				01
	EM001	**VD542700**	LC Filter	DSS306-93F223Z1				01
	IC001	**X0165A00**	IC	PST596DNR		SYSTEM RESET		02
	IC100	**XV250B00**	IC	HD6417709F80B		CPU		11
	IC101	**IS000800**	IC	HD74LV08AFPEL		AND		01
	IC103	**XW744A00**	IC	HD74LV245ATELL		BUFFER		02
	IC104	**XW744A00**	IC	HD74LV245ATELL		BUFFER		02
	IC111	**XS516A00**	IC	UPC2933T-E1		REGULATOR +3.3V		03
	IC112	**XJ598A00**	IC	NJM78L05UA		REGULATOR +5V		02
*	IC114	**X0548A00**	IC	SI-8050S(LF1111)		DC-DC CONVERTER		
*	IC200	**XY099A00**	IC	K4S643232C-TC80000		SDRAM 64M		
*	IC200	**X0176A00**	IC	W986432DH-7				
*	IC200	**X0493A00**	IC	K4S643232E-TC60				
*	IC200	**X0494A00**	IC	K4S643232E-TC70				
	IC204	**XU948A00**	IC	MBM29F800BA-70PFTN		FLASH ROM 8M DATA STORAGE		14
*	IC205	**X0315100**	IC	Ver. 1.10		MASK ROM 32M PROGRAM-L		

*: New Parts

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	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
*	IC206	**X0314100**	IC	Ver. 1.10		MASK ROM 32M PROGRAM-H		
*	IC207	**X0317100**	IC	Ver. 1.00		MASK ROM 64M STYLE/PARA		
	IC300	**XI939A00**	IC	HD63266F		FDC		09
*	IC301	**XZ286A00**	IC	74LVC245APW		BUFFER		
*	-303	**XZ286A00**	IC	74LVC245APW		BUFFER		
	IC304	**XT744A00**	IC	TC74VHCT245AFT		BUFFER		07
	-306	**XT744A00**	IC	TC74VHCT245AFT		BUFFER		07
	IC308	**XS048A00**	IC	HD74LVC139FPEL		DECODER		03
*	IC310	**X0010A00**	IC	HD74LV21ATELL		AND		
	IC400	**XS725A00**	IC	TC203C760HF-002		SWP30B		19
	IC401	**XT013A00**	IC	YSS236-F		VOP3		13
	IC402	**XU462B00**	IC	MSM514260E-60TS-K		DRAM 4M		07
	IC403	**XU462B00**	IC	MSM514260E-60TS-K		DRAM 4M		07
*	IC406	**X0040100**	IC	MX23L6410TC-12		MASK ROM 64M WAVE-L		
*	IC407	**X0041100**	IC	MX23L6410TC-12		MASK ROM 64M WAVE-H		
	IC500	**XQ595A00**	IC	S1D13305F00B100		LCDC		08
	IC501	**XR115A00**	IC	UPD43256BGU-70L		SRAM 256K		08
	IC501	**XV411A00**	IC	W24258S-70LE-EL10				07
	IC501	**XW433A00**	IC	CY62256LL-70SNCT				05
	IC501	**XZ388A00**	IC	W24257S-70LL-EL10				05
	IC510	**XW842A00**	Transistor Array	SN74HCU04NSR		INVERTER		01
	IC511	**XW842A00**	IC	SN74HCU04NSR		INVERTER		01
	IC600	**XY865A00**	IC	SN74HCT138NSR		DECODER		
	IC601	**VT943400**	IC	TD62785F(TP1)				04
	IC700	**XY782A00**	IC	AD1854JRSRL		DAC		05
	IC701	**XF634A00**	IC	UPC4572G2-T1		OP AMP		02
	IC702	**XF291A00**	IC	UPC4570G2		OP AMP		03
	IC703	**XF291A00**	IC	UPC4570G2		OP AMP		03
	IC800	**XV510A00**	IC	AK5351-VF-E2		ADC		08
	IC911	**XT744A00**	IC	TC74VHCT245AFT		BUFFER		07
*	IC913	**X0506A00**	IC	M5233FP-600D		COMPARATOR		
	IC914	**XW792A00**	IC	SN74HC132NSR		NAND		01
	IC914	**XY352A00**	IC	MM74HC132SJX				02
	L0000	**VN381200**	Coil	SNT-D20TF 10uH				03
	L0100	**VN381200**	Coil	SNT-D20TF 10uH				03
	L0101	**VZ060700**	Choke Coil	220u ELC15E221 15E				05
	L0105	**VY657200**	Chip Inductance	600 BK1608HM601				01
	-0108	**VY657200**	Chip Inductance	600 BK1608HM601				01
	L0300	**VY657200**	Chip Inductance	600 BK1608HM601				01
	L0302	**VY657200**	Chip Inductance	600 BK1608HM601				01
	L0303	**VY657200**	Chip Inductance	600 BK1608HM601				01
	L0305	**VY657200**	Chip Inductance	600 BK1608HM601				01
	L0400	**VR243700**	Chip Inductance	56U LEM2520 T 560J				01
	L0500	**VY657200**	Chip Inductance	600 BK1608HM601				01
	L0501	**VY657200**	Chip Inductance	600 BK1608HM601				01
	L0700	**VY657200**	Chip Inductance	600 BK1608HM601				01
	-0702	**VY657200**	Chip Inductance	600 BK1608HM601				01
	R0001	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
	R0002	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
	R0005	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0006	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	R0008	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0009	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	R0010	**RD350000**	Carbon Resistor (chip)	0 63M J				01
	R0011	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	-0014	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	R0016	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	-0019	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	R0020	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	-0023	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0025	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0026	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0027	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	-0038	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	R0039	**RD355100**	Carbon Resistor (chip)	100 63M J				01
	R0040	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	-0052	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0053	**RD358470**	Carbon Resistor (chip)	470K 63M J				01
	R0054	**RD356100**	Carbon Resistor (chip)	1.0K 63M J				01
	R0055	**RD356100**	Carbon Resistor (chip)	1.0K 63M J				01

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
R0056	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
R0057	**RD356100**	Carbon Resistor (chip)	1.0K 63M J				01
R0058	**RD358470**	Carbon Resistor (chip)	470K 63M J				01
R0059	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0060	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
-0075	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
R0076	**RD354680**	Carbon Resistor (chip)	68 63M J				01
-0091	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0092	**RD355100**	Carbon Resistor (chip)	100 63M J				01
-0095	**RD355100**	Carbon Resistor (chip)	100 63M J				01
R0096	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0097	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0098	**RD355100**	Carbon Resistor (chip)	100 63M J				01
R0099	**RD356150**	Carbon Resistor (chip)	1.5K 63M J				01
R0100	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0101	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0102	**RD354680**	Carbon Resistor (chip)	68 63M J				01
-0169	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0170	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
-0180	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0181	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0182	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0183	**RD354680**	Carbon Resistor (chip)	68 63M J				01
-0188	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0189	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
-0195	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0196	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0197	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0198	**RD355330**	Carbon Resistor (chip)	330 63M J				01
R0199	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0300	**RD355470**	Carbon Resistor (chip)	470 63M J				01
-0311	**RD355470**	Carbon Resistor (chip)	470 63M J				01
R0312	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0313	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0314	**RD355100**	Carbon Resistor (chip)	100 63M J				01
R0315	**RD354680**	Carbon Resistor (chip)	68 63M J				01
-0338	**RD354680**	Carbon Resistor (chip)	68 63M J				01
R0340	**RD354100**	Carbon Resistor (chip)	10 63M J				01
R0341	**RD354100**	Carbon Resistor (chip)	10 63M J				01
R0343	**RD354100**	Carbon Resistor (chip)	10 63M J				01
R0344	**RD354100**	Carbon Resistor (chip)	10 63M J				01
R0345	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0400	**RD356680**	Carbon Resistor (chip)	6.8K 63M J				01
R0401	**RD355100**	Carbon Resistor (chip)	100 63M J				01
R0402	**RD355100**	Carbon Resistor (chip)	100 63M J				01
R0403	**RD356100**	Carbon Resistor (chip)	1.0K 63M J				01
R0404	**RD355680**	Carbon Resistor (chip)	680 63M J				01
R0405	**RD359100**	Carbon Resistor (chip)	1.0M 63M J				01
R0406	**RD350000**	Carbon Resistor (chip)	0 63M J				01
R0407	**VY657200**	Chip Inductance	600 BK1608HM601				01
R0408	**RD350000**	Carbon Resistor (chip)	0 63M J				01
-0413	**RD350000**	Carbon Resistor (chip)	0 63M J				01
R0500	**RD355100**	Carbon Resistor (chip)	100 63M J				01
-0507	**RD355100**	Carbon Resistor (chip)	100 63M J				01
R0508	**RD350000**	Carbon Resistor (chip)	0 63M J				01
R0509	**RD354100**	Carbon Resistor (chip)	10 63M J				01
R0510	**RD354100**	Carbon Resistor (chip)	10 63M J				01
R0525	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
R0526	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
R0533	**RD355100**	Carbon Resistor (chip)	100 63M J				01
R0550	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0600	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
-0603	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
R0604	**RD354470**	Carbon Resistor (chip)	47 63M J				01
-0615	**RD354470**	Carbon Resistor (chip)	47 63M J				01
R0616	**VC739700**	Metal Oxide Film Resistor	0.68 1W J				01
R0700	**RD356470**	Carbon Resistor (chip)	4.7K 63M J				01
R0701	**RD356470**	Carbon Resistor (chip)	4.7K 63M J				01
R0702	**RD358100**	Carbon Resistor (chip)	100K 63M J				01
R0703	**RD357100**	Carbon Resistor (chip)	10K 63M J				01

⋆: New Parts

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	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	-0706	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0707	**RD355150**	Carbon Resistor (chip)	150 63M J				01
	R0708	**RD355150**	Carbon Resistor (chip)	150 63M J				01
	R0709	**RD355560**	Carbon Resistor (chip)	560 63M J				01
	R0710	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0711	**RD355560**	Carbon Resistor (chip)	560 63M J				01
	R0712	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0713	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
	R0714	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
	R0715	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0716	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0717	**RD356470**	Carbon Resistor (chip)	4.7K 63M J				01
	R0718	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
	R0719	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
	R0720	**RD356470**	Carbon Resistor (chip)	4.7K 63M J				01
	R0721	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0722	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
	R0723	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
	R0724	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0725	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
	R0726	**RD356560**	Carbon Resistor (chip)	5.6K 63M J				01
	R0727	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0728	**RD355100**	Carbon Resistor (chip)	100 63M J				01
	R0729	**RD354100**	Carbon Resistor (chip)	10 63M J				01
	R0734	**RD356470**	Carbon Resistor (chip)	4.7K 63M J				01
	R0736	**RD356470**	Carbon Resistor (chip)	4.7K 63M J				01
	R0737	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0738	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0757	**RD356470**	Carbon Resistor (chip)	4.7K 63M J				01
	R0800	**RD354100**	Carbon Resistor (chip)	10 63M J				01
	R0801	**RD350000**	Carbon Resistor (chip)	0 63M J				01
	R0802	**RD357470**	Carbon Resistor (chip)	47K 63M J				01
	R0803	**RD350000**	Carbon Resistor (chip)	0 63M J				01
	R0900	**RD354100**	Carbon Resistor (chip)	10 63M J				01
	R0901	**RD354100**	Carbon Resistor (chip)	10 63M J				01
	R0902	**RD358470**	Carbon Resistor (chip)	470K 63M J				01
	R0903	**RD358470**	Carbon Resistor (chip)	470K 63M J				01
	R0904	**RD350000**	Carbon Resistor (chip)	0 63M J				01
	R0905	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R0913	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	R0914	**RD354680**	Carbon Resistor (chip)	68 63M J				01
	R1000	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R1003	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R1004	**RD357100**	Carbon Resistor (chip)	10K 63M J				01
	R1114	**RD355560**	Carbon Resistor (chip)	560 63M J				01
	R1115	**VY657200**	Chip Inductance	600 BK1608HM601				01
	R1116	**RD350000**	Carbon Resistor (chip)	0 63M J				01
	TR100	**VP872600**	Transistor	2SA1708 S,T				01
	TR503	**V5005800**	Digital Transistor	FMG11A T148				01
	-508	**V5005800**	Digital Transistor	FMG11A T148				01
	TR702	**VV556400**	Transistor	2SC2412K Q,R,S				01
	X0101	**VR870700**	Quartz Crystal Unit	10MHz SMD-49				04
	X0300	**V3811500**	Ceramic Resonator	16.00MHz CSTCV16.0				01
	X0400	**VT685200**	Quartz Crystal Unit	33.8688M SMD-49				04
*		**V7751100**	Circuit Board	ENC		(V756860)(X0268B0)		
*		**V7750900**	Circuit Board	PN1		(V756860)(X0268B0)		
*		**V7751000**	Circuit Board	PN2		(V756860)(X0268B0)		
		VA277900	LED Spacer				5	01
*	CN001	**V6146400**	Connector, FFC	52207 21P SE				
*	CN002	**V7563700**	Connector, FFC	52207 26P SE				
*	CN003	**VZ992200**	Connector, FFC	52207 28P SE				
	CN004	**VK024700**	Wire Trap	52147 3P TE				01
	CN005	**VF728200**	Wire Trap	52147 10P TE				01
	CN006	**VI878100**	Cable Holder	51048 3P TE				01
	CN007	**VI878800**	Cable Holder	51048 10P TE				01
	CN013	**VI878100**	Cable Holder	51048 3P TE				01
	D0001	**VB941200**	Diode	1SS133,1SS176				01
	-0008	**VB941200**	Diode	1SS133,1SS176				01
	EC001	**VU481300**	Encoder	REB161 PVB 15F		DATA ENTRY		03

*: New Parts

RANK: Japan only

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
*	LD013	**V7481600**	LED Green/Red	GL3ED403B0V		ONE TOUCH SETTING 1		
*	LD014	**V7481600**	LED Green/Red	GL3ED403B0V		ONE TOUCH SETTING 2		
*	LD015	**V7481600**	LED Green/Red	GL3ED403B0V		ONE TOUCH SETTING 3		
*	LD016	**V7481600**	LED Green/Red	GL3ED403B0V		ONE TOUCH SETTING 4		
*	LD017	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 1		
*	LD018	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 2		
*	LD019	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 3		
*	LD020	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 4		
*	LD021	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 5		
*	LD022	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 6		
*	LD023	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 7		
*	LD024	**V7481600**	LED Green/Red	GL3ED403B0V		REGISTRATION MEMORY 8		
	LD105	**VM597800**	LED Red	SLP-190B-51		MIC.(VOCAL HARMONY)		01
	LD106	**VM597800**	LED Red	SLP-190B-51		MIC.(TALK)		01
	LD107	**VM597800**	LED Red	SLP-190B-51		MIC.(EFFECT)		01
	LD115	**VD180000**	LED Red	SLZ-190B-03		MAIN		01
	LD116	**VT425100**	LED Red	SLZ-190B-17-T1		LAYER		01
	LD117	**V5771400**	LED Red	SLZ-190B-20-T1		LEFT		01
	LD118	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(LEFT HOLD)		01
	LD119	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(TOUCH)		01
	LD120	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(SUSTAIN)		01
	LD121	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(HARMONY/EC.)		01
	LD122	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(MONO)		01
	LD123	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(DSP)		01
	LD124	**VC341300**	LED Red	SLZ-190B-01		VOICE EFFECT(VARIATION)		01
	LD125	**VI921400**	LED Red	SLZ-190B-04-T1		VOICE(PIANO & PARPSI.)		01
	LD126	**VI921400**	LED Red	SLZ-190B-04-T1		VOICE(E.PIANO)		01
	LD127	**VI921400**	LED Red	SLZ-190B-04-T1		VOICE(ORGAN & ACCORDION)		01
	LD128	**VI921400**	LED Red	SLZ-190B-04-T1		VOICE(PERCUSSION)		01
	LD129	**VD180000**	LED Red	SLZ-190B-03		VOICE(GUITAR)		01
	LD130	**VD180000**	LED Red	SLZ-190B-03		VOICE(BASS)		01
	LD131	**V5771400**	LED Red	SLZ-190B-20-T1		VOICE(ORGAN FLUTES)		01
	LD132	**VD180000**	LED Red	SLZ-190B-03		VOICE(BRASS)		01
	LD133	**VD180000**	LED Red	SLZ-190B-03		VOICE(W.WIND)		01
	LD134	**VT425100**	LED Red	SLZ-190B-17-T1		VOICE(STRINGS)		01
	LD135	**VT425100**	LED Red	SLZ-190B-17-T1		VOICE(CHOIR & PAD)		01
	LD136	**VT425100**	LED Red	SLZ-190B-17-T1		VOICE(SYNTH.)		01
	LD137	**VT425100**	LED Red	SLZ-190B-17-T1		VOICE(XG)		01
	LD138	**V5771400**	LED Red	SLZ-190B-20-T1		VOICE(USER)		01
	LD139	**V5771400**	LED Red	SLZ-190B-20-T1		REGIST. MEMORY(FREEZE)		01
	LD148	**VM597800**	LED Red	SLP-190B-51		OVER		01
*	LD149	**V7596900**	LED Green	SLP-290B-51		SIGNAL		
	SW012	**VV056000**	Tact Switch	SKQNAED010		MIC.(VOCAL HARMONY)		01
	SW013	**VV056000**	Tact Switch	SKQNAED010		MIC.(TALK)		01
	SW014	**VV056000**	Tact Switch	SKQNAED010		MIC.(VH TYPE SELECT)		01
	SW015	**VV056000**	Tact Switch	SKQNAED010		MIC.(EFFECT)		01
	SW016	**VV056000**	Tact Switch	SKQNAED010		MIC.(MIC. SETTING)		01
	SW052	**VV056000**	Tact Switch	SKQNAED010		DIRECT ACCESS		01
	SW053	**VV056000**	Tact Switch	SKQNAED010		BALANCE		01
	SW054	**VV056000**	Tact Switch	SKQNAED010		CHANNEL ON/OFF		01
	SW055	**VV056000**	Tact Switch	SKQNAED010		1(UP)		01
	SW056	**VV056000**	Tact Switch	SKQNAED010		2(UP)		01
	SW057	**VV056000**	Tact Switch	SKQNAED010		3(UP)		01
	SW058	**VV056000**	Tact Switch	SKQNAED010		4(UP)		01
	SW059	**VV056000**	Tact Switch	SKQNAED010		5(UP)		01
	SW060	**VV056000**	Tact Switch	SKQNAED010		6(UP)		01
	SW061	**VV056000**	Tact Switch	SKQNAED010		7(UP)		01
	SW062	**VV056000**	Tact Switch	SKQNAED010		8(UP)		01
	SW063	**VV056000**	Tact Switch	SKQNAED010		1(DOWN)		01
	SW064	**VV056000**	Tact Switch	SKQNAED010		2(DOWN)		01
	SW065	**VV056000**	Tact Switch	SKQNAED010		3(DOWN)		01
	SW066	**VV056000**	Tact Switch	SKQNAED010		4(DOWN)		01
	SW067	**VV056000**	Tact Switch	SKQNAED010		5(DOWN)		01
	SW068	**VV056000**	Tact Switch	SKQNAED010		6(DOWN)		01
	SW069	**VV056000**	Tact Switch	SKQNAED010		7(DOWN)		01
	SW070	**VV056000**	Tact Switch	SKQNAED010		8(DOWN)		01
	SW071	**VV056000**	Tact Switch	SKQNAED010		EXIT		01
	SW072	**VV056000**	Tact Switch	SKQNAED010		BACK		01
	SW073	**VV056000**	Tact Switch	SKQNAED010		NEXT		01
	SW074	**VV056000**	Tact Switch	SKQNAED010		MAIN		01

*: New Parts

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
SW075	**VV056000**	Tact Switch	SKQNAED010		LCD select F		01
SW076	**VV056000**	Tact Switch	SKQNAED010		LCD select G		01
SW077	**VV056000**	Tact Switch	SKQNAED010		LAYER		01
SW078	**VV056000**	Tact Switch	SKQNAED010		LCD select H		01
SW079	**VV056000**	Tact Switch	SKQNAED010		LEFT		01
SW080	**VV056000**	Tact Switch	SKQNAED010		LCD select I		01
SW081	**VV056000**	Tact Switch	SKQNAED010		LCD select J		01
SW082	**VV056000**	Tact Switch	SKQNAED010		MUSIC FINDER		01
SW083	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(LEFT HOLD)		01
SW084	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(TOUCH)		01
SW085	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(SUSTAIN)		01
SW086	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(HARMONY/EC.)		01
SW087	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(MONO)		01
SW088	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(DSP)		01
SW089	**VV056000**	Tact Switch	SKQNAED010		VOICE EFFECT(VARIATION)		01
SW090	**VV056000**	Tact Switch	SKQNAED010		VOICE(PIANO & PARPSI.)		01
SW091	**VV056000**	Tact Switch	SKQNAED010		VOICE(E.PIANO)		01
SW092	**VV056000**	Tact Switch	SKQNAED010		VOICE(ORGAN & ACCORDION)		01
SW093	**VV056000**	Tact Switch	SKQNAED010		VOICE(PERCUSSION)		01
SW094	**VV056000**	Tact Switch	SKQNAED010		VOICE(GUITAR)		01
SW095	**VV056000**	Tact Switch	SKQNAED010		VOICE(BASS)		01
SW096	**VV056000**	Tact Switch	SKQNAED010		VOICE(ORGAN FLUTES)		01
SW097	**VV056000**	Tact Switch	SKQNAED010		VOICE(BRASS)		01
SW098	**VV056000**	Tact Switch	SKQNAED010		VOICE(W.WIND)		01
SW099	**VV056000**	Tact Switch	SKQNAED010		VOICE(STRINGS)		01
SW100	**VV056000**	Tact Switch	SKQNAED010		VOICE(CHOIR & PAD)		01
SW101	**VV056000**	Tact Switch	SKQNAED010		VOICE(SYNTH.)		01
SW102	**VV056000**	Tact Switch	SKQNAED010		VOICE(XG)		01
SW103	**VV056000**	Tact Switch	SKQNAED010		VOICE(USER)		01
SW104	**VV056000**	Tact Switch	SKQNAED010		UPPER OCTAVE -		01
SW105	**VV056000**	Tact Switch	SKQNAED010		UPPER OCTAVE +		01
SW106	**VV056000**	Tact Switch	SKQNAED010		ENTER		01
SW107	**VV056000**	Tact Switch	SKQNAED010		ONE TOUCH SETTING 1		01
SW108	**VV056000**	Tact Switch	SKQNAED010		ONE TOUCH SETTING 2		01
SW109	**VV056000**	Tact Switch	SKQNAED010		ONE TOUCH SETTING 3		01
SW110	**VV056000**	Tact Switch	SKQNAED010		ONE TOUCH SETTING 4		01
SW111	**VV056000**	Tact Switch	SKQNAED010		REGIST. MEMORY(FREEZE)		01
SW112	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 1		01
SW113	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 2		01
SW114	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 3		01
SW115	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 4		01
SW116	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 5		01
SW117	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 6		01
SW118	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 7		01
SW119	**VV056000**	Tact Switch	SKQNAED010		REGISTRATION MEMORY 8		01
SW120	**VV056000**	Tact Switch	SKQNAED010		REGIST. MEMORY(MEMORY)		01
WH001	**--**	Connector Assembly	PN5 10P L=200		(V778110)		
WH009	**--**	Connector Assembly	ENC 3P L=100		(V778190)		
WH013	**--**	Connector Assembly	IND 3P L=480		(V778230)		
	V4200400	Circuit Board	INV		(XW193B0)		07
	--	Jumper Wire	0.55		(VA07890)		
C0001	**V4007800**	Electrolytic Cap.	0.15 100V ECQV11				01
C0002	**V4007700**	Ceramic Capacitor-SL	15P 3KV J				01
CN001	**VB389800**	Connector Base Post	PH 2P TE				01
CN002	**LB918040**	Base Post Connector	XH 4P TE				01
L0001	**V4006900**	Coil	RCH-895-101K 100uH				01
Q0001	**VT929300**	Transistor	2SD2097 TV2 Q,R,S				01
Q0002	**VT929300**	Transistor	2SD2097 TV2 Q,R,S				01
R0001	**HF755560**	Carbon Resistor	560.0 1/4 J				01
T0001	**V4006800**	Inverter Transformer	SEP-16				05
	VU648200	Circuit Board	MK-H		(XR565C0)		09
2	**VB941200**	Diode	1SS133,1SS176				01
5	**VK025600**	Wire Trap	52147 12P TE				01
6	**VK024900**	Wire Trap	52147 5P TE				01
	VU648100	Circuit Board	MK-L		(XR564C0)		09
2	**VB941200**	Diode	1SS133,1SS176				01
5	**VK025600**	Wire Trap	52147 12P TE				01

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	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	6	**VK025100**	Wire Trap	52147 7P TE				01
*		**V8142700**	Circuit Board	MKS5F		(X2002A0)		
		- -	Vibration-proof Tape	10X64X0.5		(VK34680)		
		- -	Jumper Wire	0.55		(VA07890)		
	C1	**FG651220**	Ceramic Capacitor-SL	22P 50V J				01
	-3	**FG651220**	Ceramic Capacitor-SL	22P 50V J				01
	C1	**VR027400**	Ceramic Capacitor-SL	22P 63V J				01
	-3	**VR027400**	Ceramic Capacitor-SL	22P 63V J				01
	C4	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C5	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C5	**VM902400**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	CA1	**VP755200**	Ceramic Capacitor Array	100P 50V K				02
	CA2	**VP755200**	Ceramic Capacitor Array	100P 50V K				02
	CL1	**V6781400**	Ceramic Resonator	5.00M EF0EC5004T4Q				01
	CN1	**VF728300**	Wire Trap	52147 6P TE				01
	CN2	**VK025600**	Wire Trap	52147 12P TE				01
	CN3	**VK025100**	Wire Trap	52147 7P TE				01
	CN4	**VK024900**	Wire Trap	52147 5P TE				01
	IC1	**XZ560100**	IC	UPD789022GB-A15-8E		CPU KBS		04
	R1	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
	R2	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
	R3	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
	R1	**VL631400**	Carbon Resistor	4.7K 1/6 J				01
	R2	**VL631400**	Carbon Resistor	4.7K 1/6 J				01
	R3	**VL632600**	Carbon Resistor	47.0K 1/6 J				01
	RA1	**VH373200**	Resistor Array	RGLE12X473J				01
*		**V7751500**	Circuit Board	MOD		(V756870)(X0269B0)		
*		**V7751400**	Circuit Board	PB1		(V756870)(X0269B0)		
*		**V7751200**	Circuit Board	PN3		(V756870)(X0269B0)		
*		**V7751300**	Circuit Board	PN4		(V756870)(X0269B0)		
		- -	Vibration-proof Tape	7X100X0.5		(VT85820)		
*	CN008	**VZ992200**	Connector, FFC	52207 28P SE				
	CN009	**V2426700**	Connector	52207-1190 11PIN				01
	CN010	**VK024700**	Wire Trap	52147 3P TE				01
	CN011	**VK024800**	Wire Trap	52147 4P TE				01
	CN012	**V2426700**	Connector	52207-1190 11PIN				01
	CN014	**VI878200**	Cable Holder	51048 4P TE				01
	CN015	**VI878100**	Cable Holder	51048 3P TE				01
	D0009	**VB941200**	Diode	1SS133,1SS176				01
	-0020	**VB941200**	Diode	1SS133,1SS176				01
*	LD001	**V7481600**	LED Green/Red	GL3ED403B0V		SONG(EXTRA TRACKS)		
*	LD002	**V7481600**	LED Green/Red	GL3ED403B0V		SONG(TRACK 2)		
*	LD003	**V7481600**	LED Green/Red	GL3ED403B0V		SONG(TRACK 1)		
*	LD004	**V7481600**	LED Green/Red	GL3ED403B0V		SONG(START/STOP)		
*	LD005	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(BREAK)		
*	LD006	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(INTRO)		
*	LD007	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(MAIN A)		
*	LD008	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(MAIN B)		
*	LD009	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(MAIN C)		
*	LD010	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(MAIN D)		
*	LD011	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONTROL(ENDING/rit)		
*	LD012	**V7481600**	LED Green/Red	GL3ED403B0V		STYLE CONT.(START/STOP)		
	LD102	**VD180000**	LED Red	SLZ-190B-03		SONG(REPEAT)		01
	LD103	**VD180000**	LED Red	SLZ-190B-03		SONG(METRONOME)		01
	LD104	**V5771400**	LED Red	SLZ-190B-20-T1		SONG(REC)		01
	LD108	**V5771400**	LED Red	SLZ-190B-20-T1		FADE IN/OUT		01
	LD109	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE CONTROL(ACMP)		01
	LD110	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE CONT.(AUTO FILL IN)		01
	LD111	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE CONT.(OTS LINK)		01
	LD112	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE CONT.(SYNC. STOP)		01
	LD113	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE CONT.(SYNC. START)		01
	LD140	**VT425100**	LED Red	SLZ-190B-17-T1		STYLE(POP & ROCK)		01
	LD141	**VT425100**	LED Red	SLZ-190B-17-T1		STYLE(SWING & JAZZ)		01
	LD142	**VT425100**	LED Red	SLZ-190B-17-T1		STYLE(BALLROOM)		01
	LD143	**VT425100**	LED Red	SLZ-190B-17-T1		STYLE(MARCH & WALTZ)		01
	LD144	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE(BALLAD)		01
	LD145	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE(DANCE)		01
	LD146	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE(LATIN)		01
	LD147	**V5771400**	LED Red	SLZ-190B-20-T1		STYLE(USER)		01
	SW001	**VV056000**	Tact Switch	SKQNAED010		SONG(EXTRA TRACKS)		01

*: New Parts

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
SW002	**VV056000**	Tact Switch	SKQNAED010		SONG(TRACK 2)		01
SW003	**VV056000**	Tact Switch	SKQNAED010		SONG(TRACK 1)		01
SW005	**VV056000**	Tact Switch	SKQNAED010		SONG(REPEAT)		01
SW006	**VV056000**	Tact Switch	SKQNAED010		SONG(METRONOME)		01
SW007	**VV056000**	Tact Switch	SKQNAED010		SONG(REC)		01
SW008	**VV056000**	Tact Switch	SKQNAED010		SONG(TOP)		01
SW009	**VV056000**	Tact Switch	SKQNAED010		SONG(START/STOP)		01
SW010	**VV056000**	Tact Switch	SKQNAED010		SONG(RW)		01
SW011	**VV056000**	Tact Switch	SKQNAED010		SONG(FF)		01
SW017	**VV056000**	Tact Switch	SKQNAED010		TRANSPOSE -		01
SW018	**VV056000**	Tact Switch	SKQNAED010		TRANSPOSE +		01
SW019	**VV056000**	Tact Switch	SKQNAED010		TEMPO -		01
SW020	**VV056000**	Tact Switch	SKQNAED010		TEMPO +		01
SW021	**VV056000**	Tact Switch	SKQNAED010		TAP TEMPO		01
SW022	**VV056000**	Tact Switch	SKQNAED010		STOP		01
SW023	**VV056000**	Tact Switch	SKQNAED010		FADE IN/OUT		01
SW024	**VV056000**	Tact Switch	SKQNAED010		MULTIPAD 1		01
SW025	**VV056000**	Tact Switch	SKQNAED010		MULTIPAD 2		01
SW026	**VV056000**	Tact Switch	SKQNAED010		MULTIPAD 3		01
SW027	**VV056000**	Tact Switch	SKQNAED010		MULTIPAD 4		01
SW028	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(ACMP)		01
SW029	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(BREAK)		01
SW030	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(INTRO)		01
SW031	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(MAIN A)		01
SW032	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(MAIN B)		01
SW033	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(MAIN C)		01
SW034	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(MAIN D)		01
SW035	**VV056000**	Tact Switch	SKQNAED010		STYLE CONTROL(ENDING/rit)		01
SW036	**VV056000**	Tact Switch	SKQNAED010		STYLE CONT.(AUTO FILL IN)		01
SW037	**VV056000**	Tact Switch	SKQNAED010		STYLE CONT.(OTS LINK)		01
SW038	**VV056000**	Tact Switch	SKQNAED010		STYLE CONT.(SYNC. STOP)		01
SW039	**VV056000**	Tact Switch	SKQNAED010		STYLE CONT.(SYNC. START)		01
SW040	**VV056000**	Tact Switch	SKQNAED010		STYLE CONT.(START/STOP)		01
SW041	**VV056000**	Tact Switch	SKQNAED010		SOUND CREATOR		01
SW042	**VV056000**	Tact Switch	SKQNAED010		LCD select A		01
SW043	**VV056000**	Tact Switch	SKQNAED010		DIGITAL RECORDING		01
SW044	**VV056000**	Tact Switch	SKQNAED010		LCD select B		01
SW045	**VV056000**	Tact Switch	SKQNAED010		MIXING CONSOLE		01
SW046	**VV056000**	Tact Switch	SKQNAED010		LCD select C		01
SW047	**VV056000**	Tact Switch	SKQNAED010		LCD select D		01
SW048	**VV056000**	Tact Switch	SKQNAED010		LCD select E		01
SW049	**VV056000**	Tact Switch	SKQNAED010		DEMO		01
SW050	**VV056000**	Tact Switch	SKQNAED010		HELP		01
SW051	**VV056000**	Tact Switch	SKQNAED010		FUNCTION		01
SW121	**VV056000**	Tact Switch	SKQNAED010		STYLE(POP & ROCK)		01
SW122	**VV056000**	Tact Switch	SKQNAED010		STYLE(SWING & JAZZ)		01
SW123	**VV056000**	Tact Switch	SKQNAED010		STYLE(BALLROOM)		01
SW124	**VV056000**	Tact Switch	SKQNAED010		STYLE(MARCH & WALTZ)		01
SW125	**VV056000**	Tact Switch	SKQNAED010		STYLE(BALLAD)		01
SW126	**VV056000**	Tact Switch	SKQNAED010		STYLE(DANCE)		01
SW127	**VV056000**	Tact Switch	SKQNAED010		STYLE(LATIN)		01
SW128	**VV056000**	Tact Switch	SKQNAED010		STYLE(USER)		01
VR001	**VZ486300**	Rotary Variable Resistor	B10K EVJ05DF20B14		MODULATION		03
VR002	**VZ486300**	Rotary Variable Resistor	B10K EVJ05DF20B14		PITCH BEND		03
WH010	**- -**	Connector Assembly	PB 3P L=130		(V778200)		
WH011	**- -**	Connector Assembly	MOD 4P L=130		(V778210)		
*	**X0215A00**	Speaker	2.0cm 3ohm		TWEETER	2	
*	**X0214A00**	Speaker	12.0cm 6ohm 30W		WOOFER	2	
	V3331300	LCD	EDMMPU3BCF				23
	V6492300	Floppy Disk Drive	DF354H				13

*: New Parts

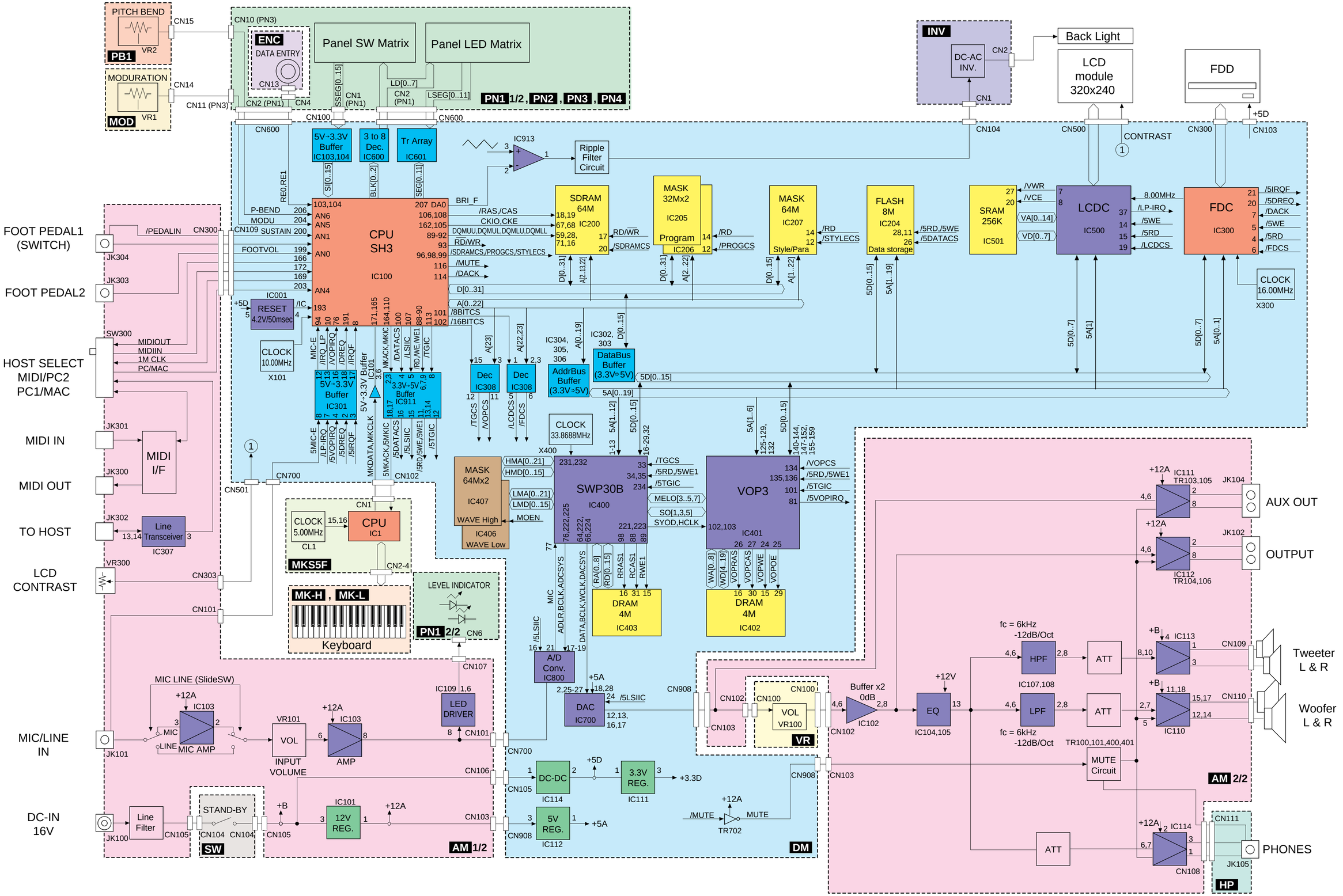
RANK: Japan only

■PSR-1000 BLOCK DIAGRAM

PITCH BEND
VR3
PB2
CN16
CN10 (PN3)
ENC
DATA ENTRY
CN13
CN4
CN2 (PN1)
Panel SW Matrix
Panel LED Matrix
SSEG[0..15]
CN1 (PN1)
LD[0..7]
CN2 (PN1)
LSEG[0..11]
PN1 , PN2 , PN3 , PN4
CN100
CN600
INV
DC-AC INV.
CN2
CN1
CN104
Back Light
LCD module 320x240
CN500
CONTRAST
FDD
CN300
+5D
CN103
5V→3.3V Buffer IC103,104
3 to 8 Dec. IC600
Tr Array IC601
SI[0..15]
BLK[0..2]
SEG[0..11]
IC913
Ripple Filter Circuit
RE0,RE1
P-BEND
206
CPU SH3
IC100
103,104
AN6
AN1
AN0
AN4
193
207 DA0
106,108
162,105
89-92
93
96,98,99
116
114
BRI_F
/RAS,/CAS
CKIO,CKE
DQMUU,DQMUL,DQMLU,DQMLL
RD/WR
/SDRAMCS,/PROGCS,/STYLECS
/MUTE
/DACK
SDRAM 64M
IC200
18,19
67,68
59,28, 71,16
RD/WR
/SDRAMCS
MASK 32Mx2
IC205
Program
IC206
/RD
/PROGCS
MASK 64M
IC207
Style/Para
/RD
/STYLECS
FLASH 8M
IC204
28,11
26
Data storage
/5RD,/5WE
/5DATACS
SRAM 256K
IC501
/VWR
/VCE
VA[0..14]
VD[0..7]
LCDC
IC500
8.00MHz
/LP-IRQ
/5WE
/5RD
/LCDCS
FDC
IC300
/5IRQF
/5DREQ
/DACK
/5WE
/5RD
/FDCS
CLOCK 16.00MHz
X300
D[0..31]
A[2..13,22]
D[0..15]
A[1..22]
A[0..22]
/8BITCS
/16BITCS
5D[0..15]
5A[1..19]
5D[0..7]
5A[1]
5A[0..1]
CN109 SUSTAIN 200
FOOTVOL 199
166
172
169
203
/PEDALIN
CN300
FOOT PEDAL1 (SWITCH)
JK304
FOOT PEDAL2
JK303
IC001
RESET
4.2V/50msec
+5D
5
/IC
4
CLOCK 10.00MHz
X101
/IRQ_LP
/DREQ
/IRQF
5V→3.3V Buffer IC301
5V→3.3V Buffer IC101
3,6
MKACK,/MKIC
/DATACS
/LSIIC
/RD,/WE,/WE1
/TGIC
3.3V→5V Buffer IC911
MKDATA,MKCLK
5MKACK,/5MKIC
/5DATACS
/5LSIIC
/5RD,/5WE,/5WE1
/5TGIC
CN102
CN501
CN1
CLOCK 5.00MHz
15,16
CL1
CPU IC1
MKS5F
CN2-4
MK-H , MK-L
Keyboard
SW300
MIDIOUT
MIDIIN
1M CLK
PC/MAC
HOST SELECT MIDI/PC2 PC1/MAC
JK301
MIDI IN
MIDI I/F
JK300
MIDI OUT
JK302
TO HOST
Line Transceiver
IC307
13,14
3
VR300
LCD CONTRAST
CN303
A[23]
A[22,23]
A[0..19]
IC304, 305, 306
AddrBus Buffer (3.3V÷5V)
IC302, 303
DataBus Buffer (3.3V÷5V)
D[0..15]
5D[0..15]
5A[0..19]
Dec IC308
/TGCS
/LCDCS
/FDCS
CLOCK 33.8688MHz
X800
MASK 64M
IC803
WAVE
SMA[0..21]
SMD[0..15]
/SOE
/SCS0
SWX00B
IC801
/TGCS
/5RD,/5WE1
/5TGIC
158,164, 163,160
CMA[0..8]
CMD[0..15]
SRAS
SCAS
/CWE
DRAM 4M
IC800
DATA,BCLK,WCLK,DACSYS
+5A
2,25-27
18,28
/5LSIIC
DAC
IC700
12,13, 16,17
CN908
CN103
CN100
CN100
VOL
VR100
VR
CN102
Buffer x2
0dB
IC102
+12V
EQ
IC104,105
13
fc = 6kHz
-12dB/Oct
HPF
IC107,108
LPF
ATT
ATT
ATT
MUTE Circuit
TR100,101,400,401
+12A
IC111
TR103,105
JK104
AUX OUT
JK102
OUTPUT
IC112
TR104,106
+B
IC113
CN109
Tweeter L & R
IC110
CN110
Woofer L & R
AM 2/2
DC-IN 16V
JK100
Line Filter
CN105
STAND-BY
CN104
CN104
SW
+B
IC101
12V REG.
+12A
CN106
CN103
DC-DC
IC114
+5D
3.3V REG.
IC111
+3.3D
5V REG.
IC112
+5A
/MUTE
MUTE
TR702
DM
IC114
CN111
JK105
PHONES
CN108
HP
28CA1-8820767

PSR-1000

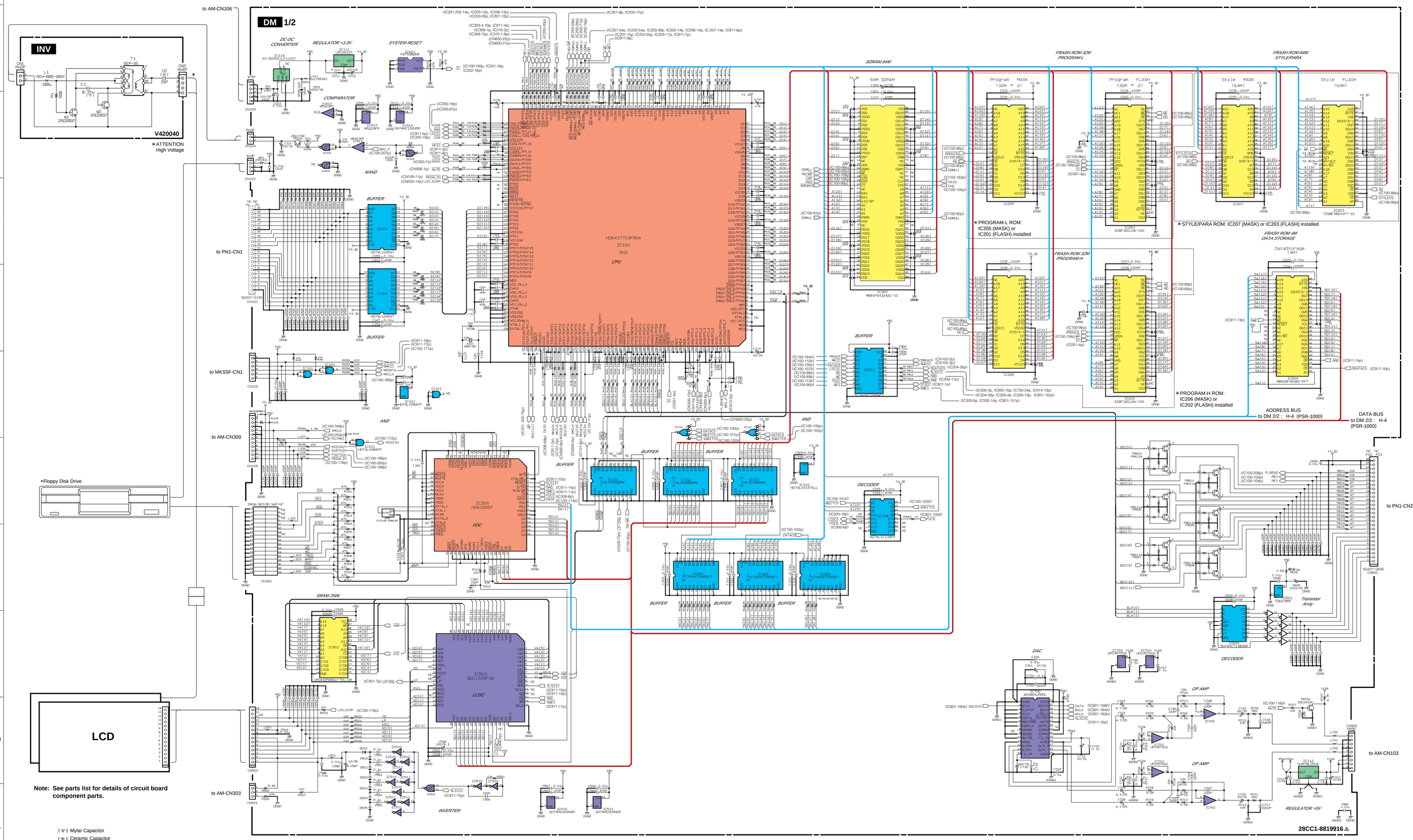
■PSR-2000 BLOCK DIAGRAM



28CA1-8820768

PSR-2000

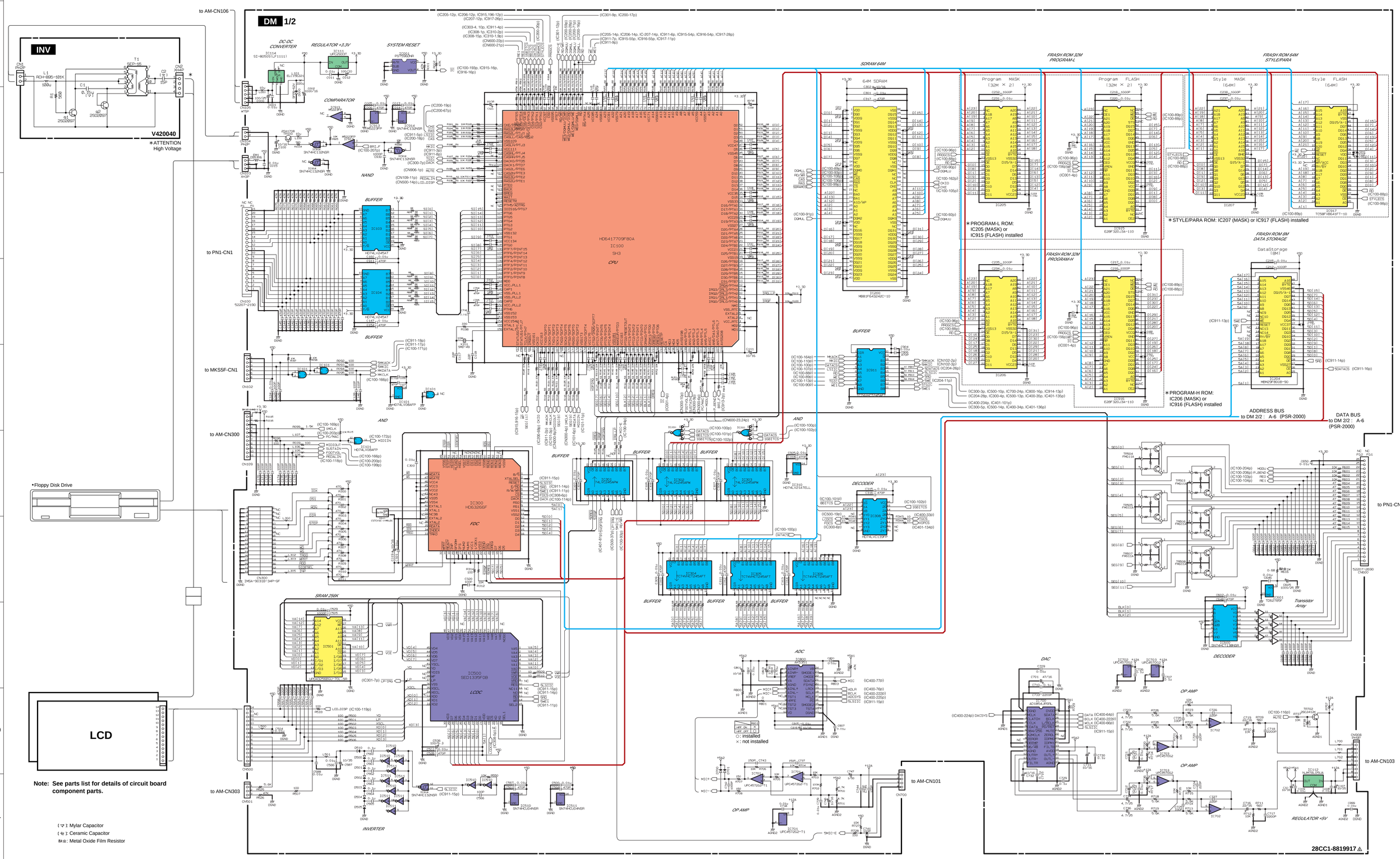
■PSR-1000 OVERALL CIRCUIT DIAGRAM (DM1/2, INV)



Note: See parts list for details of circuit board component parts.

(▽): Mylar Capacitor
(⊥): Ceramic Capacitor
⊠: Metal Oxide Film Resistor

■PSR-2000 OVERALL CIRCUIT DIAGRAM (DM1/2, INV)



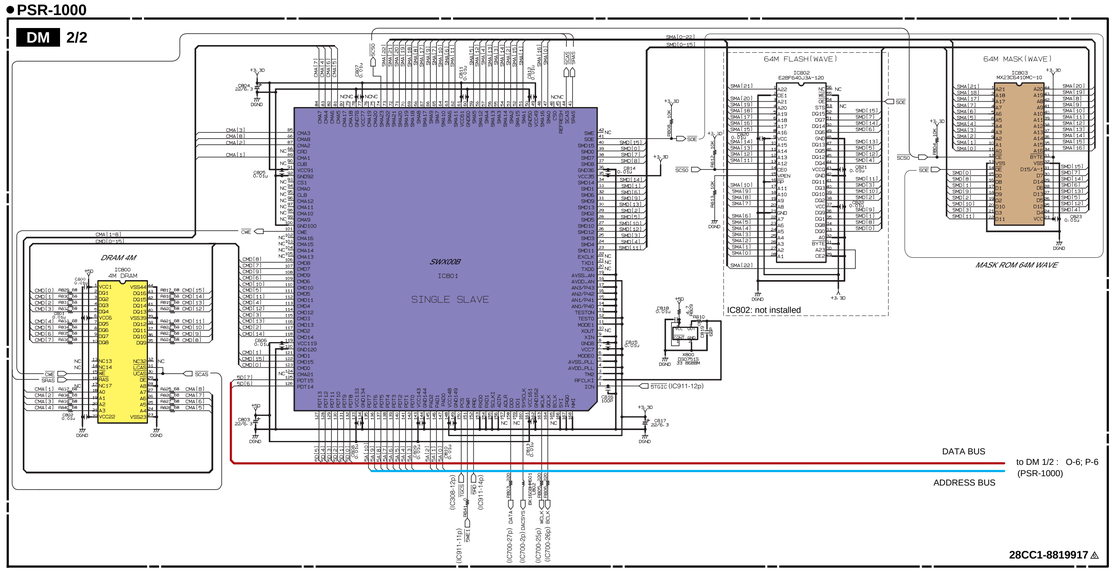
Note: See parts list for details of circuit board component parts.

(マ): Mylar Capacitor
(セ): Ceramic Capacitor
(酸): Metal Oxide Film Resistor

■PSR-1000/PSR-2000 OVERALL CIRCUIT DIAGRAM (DM 2/2, PN1, PN2, PN3, PN4, ENC, PB1, PB2, MOD)

●PSR-1000

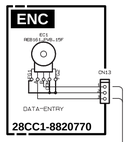
DM 2/2



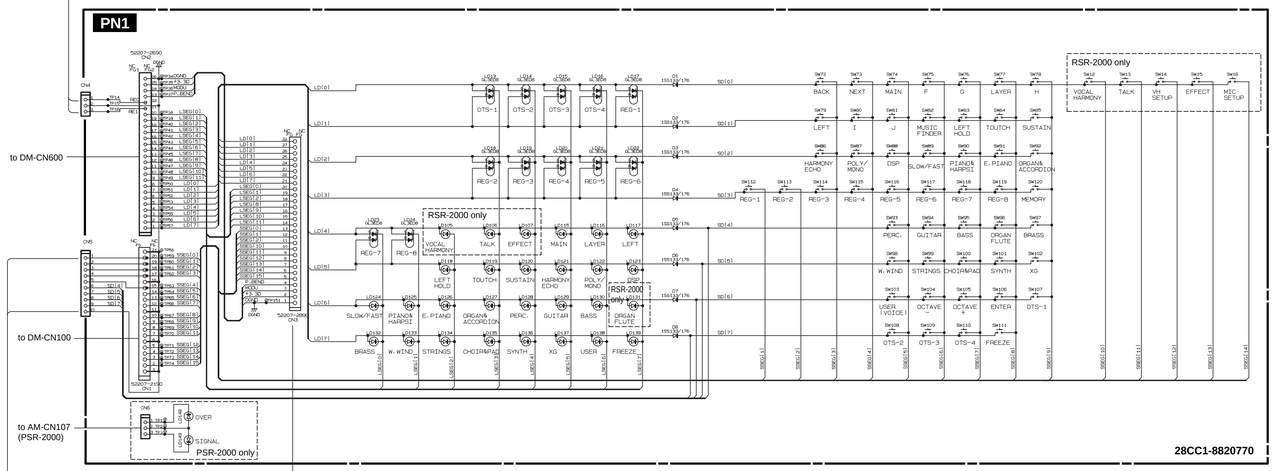
●PSR-2000

DM 2/2

ENC



PN1



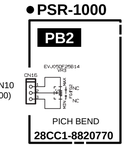
PN2

PN4

PN3

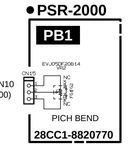
●PSR-1000

PB2



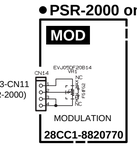
●PSR-2000

PB1



●PSR-2000 only

MOD



to PN3-CN10 (PSR-1000)

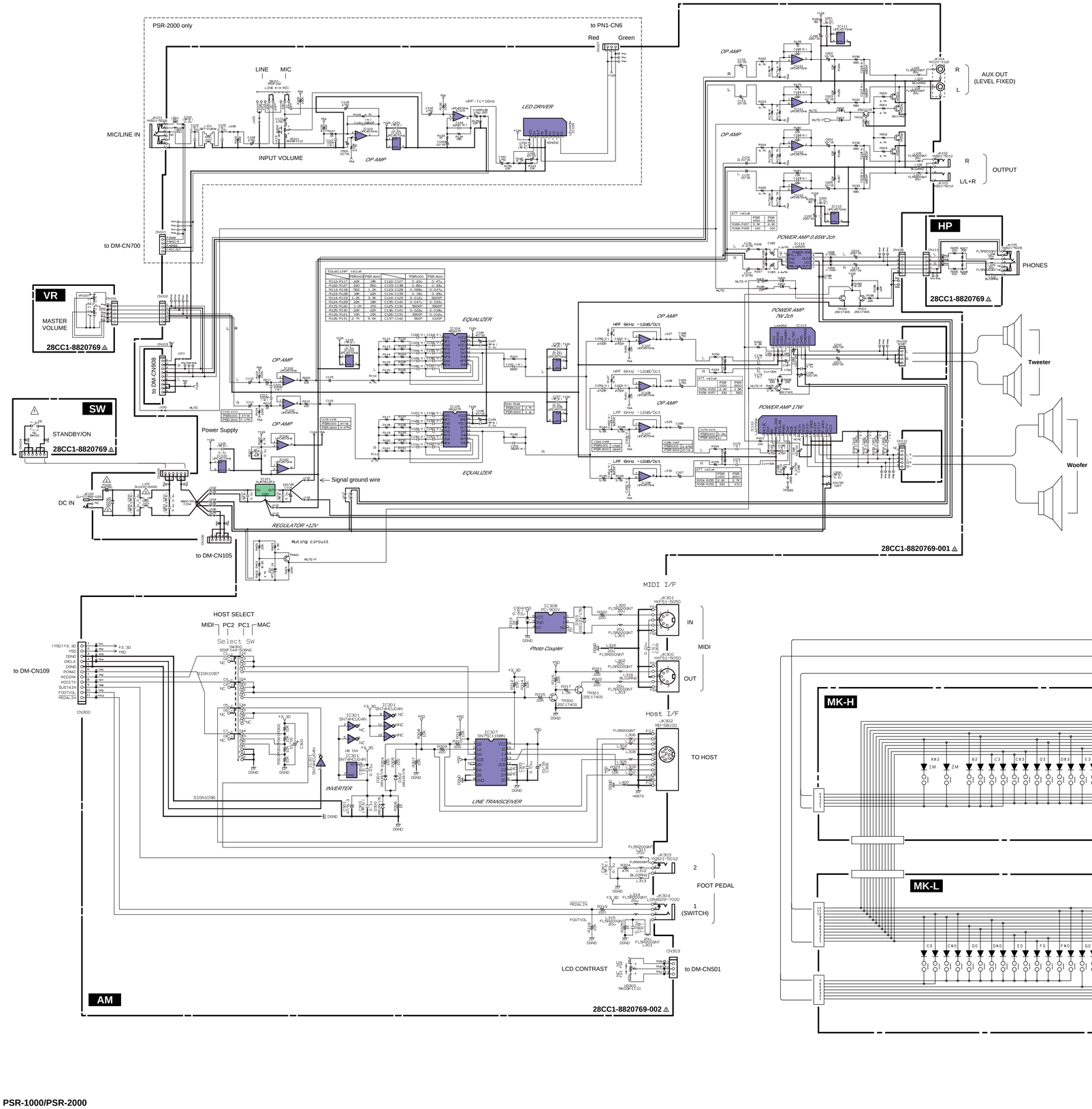
to PN3-CN10 (PSR-2000)

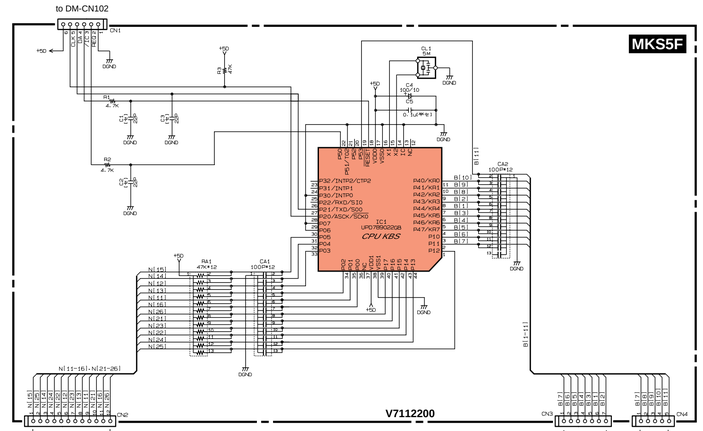
to PN3-CN11 (PSR-2000)

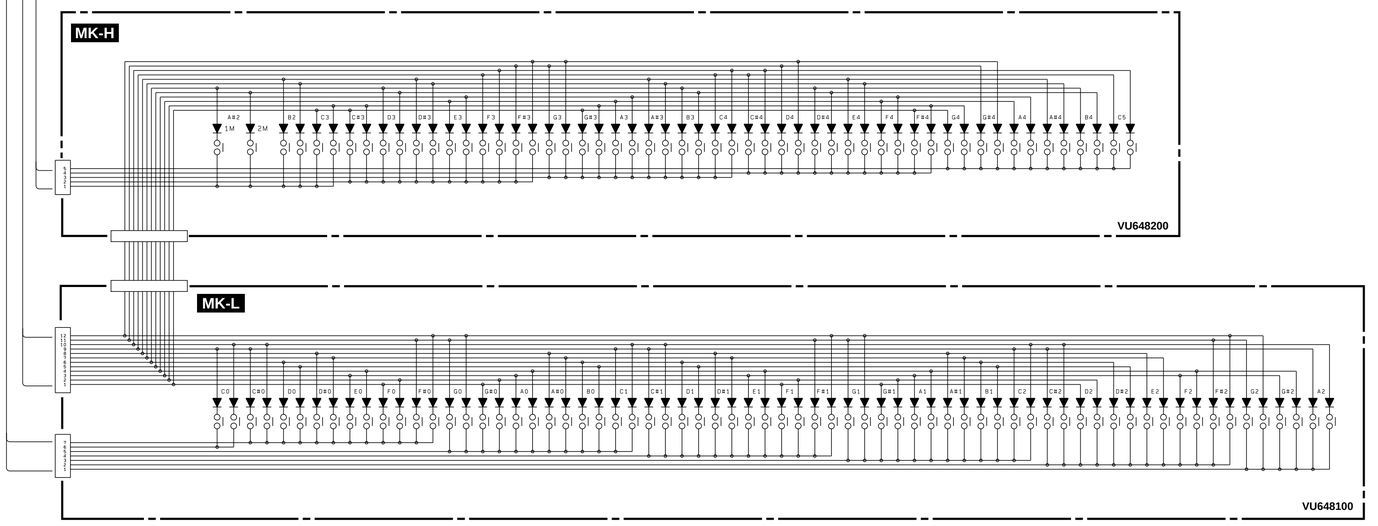
(⊣⊢): Ceramic Capacitor

Note: See parts list for details of circuit board component parts.

■PSR-1000/PSR-2000 OVERALL CIRCUIT DIAGRAM (AM, VR, HP, SW, MKS5F, MK-L, MK-H)







•S3V20 (VR313500) DIODE 1: ANODE 2: CATHODE	•SI-8050S(LF1111) (X0548A00) DC-DC CONVERTER 1: V in 2: SW OUT 3: GND 4: V os 5: S.S	•NJM78L05UA(XJ598A00) REGULATOR +5V 1: OUTPUT 2: COMMON 3: INPUT
•NJM7812FA(XJ608A00) REGULATOR +12V 1: OUTPUT 2: COMMON 3: INPUT	•AN7812F(XM169A00) REGULATOR +12V 1: INPUT 2: COMMON 3: OUTPUT	• µPC2933T(XS516A00) REGULATOR +3.3V 1: V in 2: GND 3: V out

■TO SERVICE PERSONNEL

Critical Components Information
Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equel to those originally installed.

(マ): Mylar Capacitor
(セ): Ceramic Capacitor
(ﾊﾝﾄｳ): Semiconductive Cera Cap

Note: See parts list for details of circuit board component parts.