

DIGITAL WORKSTATION

PSR-SX7000
PSR-SX9000

SERVICE MANUAL



PSR-SX700



PSR-SX900

■ CONTENTS

SPECIFICATIONS	3
PANEL LAYOUT	5
CIRCUIT BOARD LAYOUT & WIRING	8
DISASSEMBLY PROCEDURE	10
CIRCUIT BOARDS	21
TEST PROGRAM	40
INITIAL SETTING	57
SYSTEM BOOTING FLOWCHART	58
DMHBS/DMH/DMM CIRCUIT BOARD CHECK METHOD	60
RESTORING THE FACTORY-PROGRAMMED SETTINGS ..	62
DATA BACKUP AND RESTORE	63
VERSION UPGRADE	64
PSR-SX700 PARTS LIST	
PSR-SX900 PARTS LIST	
PSR-SX700 BLOCK DIAGRAM	
PSR-SX900 BLOCK DIAGRAM	
CIRCUIT DIAGRAM	

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 believed 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

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

■ SAVING DATA



Be sure to perform it

- Edited Song/Style/Voice/MIDI setup data, etc. are lost when you turn off the power to the instrument without saving. This also occurs when the power is turned off by the Auto Power Off function. Save the data to the instrument, or to USB flash drive/ an external device such as a computer. Saving the data to USB flash drive/an external device is even more secure, since the data in the instrument may be lost due to some failure, an operation mistake, etc.
- To protect against data loss through USB flash drive damage, we recommend that you save your important data onto spare USB flash drive or an external device such as a computer as backup data.

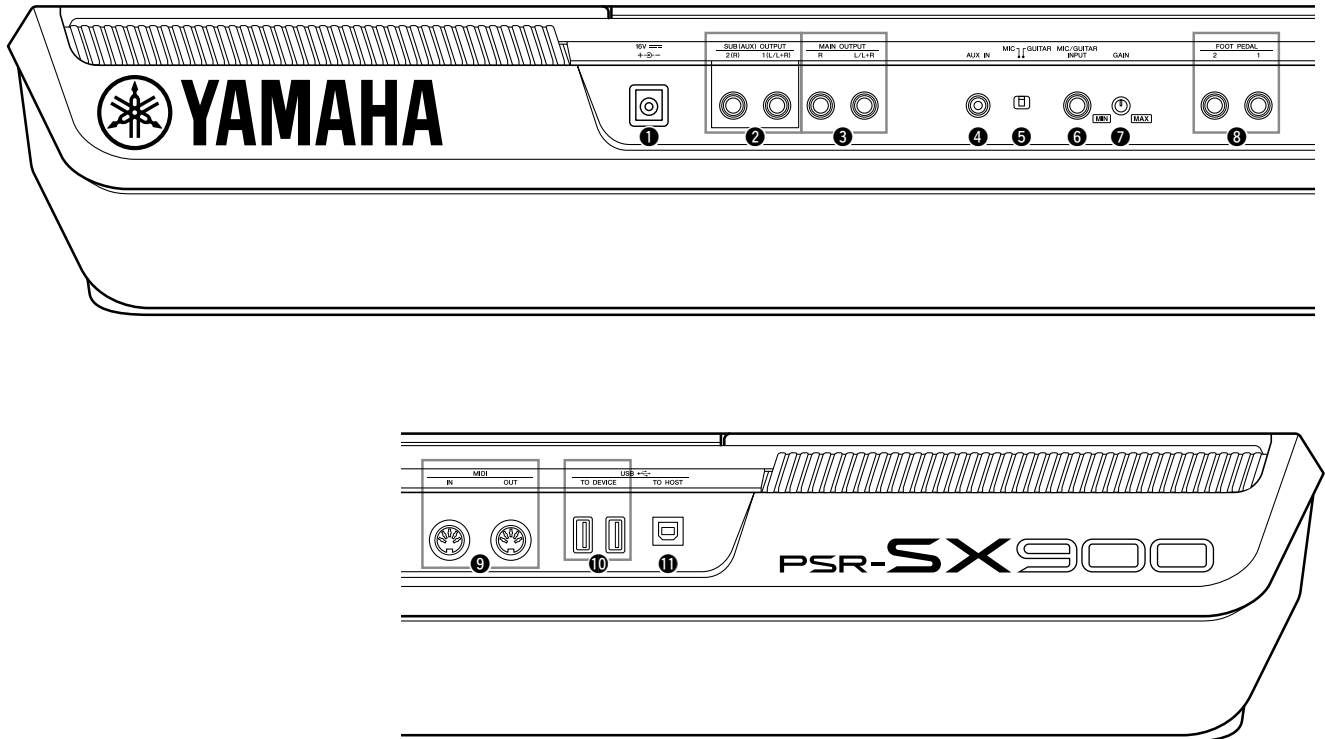
■ SPECIFICATIONS

		PSR-SX900	PSR-SX700	
Product Name		Digital Keyboard	Digital Keyboard	
Size/Weight	Dimensions (W x D x H)	1,017 mm x 431 mm x 139 mm (40-1/16" x 17" x 5-1/2")	1,017 mm x 431 mm x 139 mm (40-1/16" x 17" x 5-1/2")	
	Weight	11.5 kg (25 lb, 6 oz)	11.5 kg (25 lb, 6 oz)	
Control Interface	Keyboard	Number of Keys	61	
		Type	Organ (FSB), Initial Touch	
		Touch Response	Normal, Soft1, Soft2, Hard1, Hard2	
	Other Controllers	Joystick	Yes	
		Knobs	2 (Assignable)	
	Display	Type	TFT Color Wide VGA LCD	
		Size	800 x 480 dots 7 inch	
		Touch Screen	Yes	
		Language	English, German, French, Spanish, Italian	
	Panel	Language	English	
Voices	Tone Generation	Tone Generation Technology	AWM Stereo Sampling	
	Polyphony		128 (max.)	
	Preset	Number of Voices	1337 Voices + 56 Drum/SFX Kits + 480 XG Voices	986 Voices + 41 Drum/SFX Kits + 480 XG Voices
		Featured Voices	252 S.Art!, 54 MegaVoice, 31 Sweet!, 87 Cool!, 131 Live!, 24 OrganFlutes	131 S.Art!, 30 MegaVoice, 31 Sweet!, 74 Cool!, 89 Live!, 24 OrganFlutes
	Compatibility		XG (for Song playback), GS (for Song playback), GM, GM2	
	Keyboard Part		Right 1, Right 2, Right 3, Left	
Effects	Types	Reverb	59 Preset + 30 User	
		Chorus	106 Preset + 30 User	
		Variation Effect	322 Preset (with VCM) + 30 User	
		Insertion Effect	1-8: 322 Preset (with VCM) + 30 User	
		Master Compressor	5 Preset + 30 User	
		Master EQ	5 Preset + 30 User	
		Part EQ	28 Parts	
	Others	Mic/Guitar Effects: Noise Gate, Compressor, 3 Band EQ Vocal Effect: 23	Mic/Guitar Effects: Noise Gate, Compressor, 3 Band EQ	
	Vocal Harmony		54 Preset + 60 User (*) * The number is the total of Vocal Harmony and Synth Vocoder	
	Synth Vocoder		20 Preset + 60 User (*) * The number is the total of Vocal Harmony and Synth Vocoder	
Styles	Preset	Number of Styles	525	
		Featured Styles	463 Pro, 46 Session, 6 Free Play, 10 DJ	
		Fingering	Single Finger, Fingered, Fingered On Bass, Multi Finger, AI Fingered, Full Keyboard, AI Full Keyboard	
		Style Control	INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3	
	Other Features	One Touch Setting (OTS)	4 for each Style	
		Chord Looper	Yes	
		Style Section Reset	Yes	
Compatibility		Style File Format (SFF), Style File Format GE (SFF GE)		
Expandability	Expansion Voice	Yes (approx. 1 GB)		
	Expansion Style	Yes (Internal Memory)		
	Expansion Audio Style	Yes (Internal Memory)		
Songs (MIDI)	Preset	Number of Preset Songs	5 preset sample Songs	
	Recording	Number of Tracks	16	
		Data Capacity	approx. 3 MB/Song	
		Function	Quick Recording, Multi Track Recording, Step Recording	
	Format	Playback	SMF (Format 0 & 1), XF	
Songs (Audio)	Recording	Data Capacity	approx. 0.8 GB (80 minutes) per Song	
	Format	Playback	WAV (44.1 kHz, 16 bit, stereo), MP3 (44.1/48.0 kHz, 64-320 kbps and VBR, mono/stereo)	
		Recording	WAV (44.1 kHz, 16 bit, stereo), MP3 (44.1 kHz, 128/256/320 kbps, stereo)	
	Time Stretch		Yes	
	Pitch Shift		Yes	
	Vocal Cancel		Yes	
	Multi Pads	Number of Multi Pad Banks		329 banks x 4 Pads
Audio Link			Yes	

		PSR-SX900	PSR-SX700	
Functions	Voices	Harmony	Yes	Yes
		Arpeggio	Yes	Yes
		Panel Sustain	Yes	Yes
		Mono/Poly	Yes	Yes
	Styles	Style Creator	Yes	Yes
		OTS Information	Yes	Yes
	Songs	Score Display Function	Yes	Yes
		Lyrics Display Function	Yes	Yes
		Guide	Follow Lights, Any Key, Karao-Key, Your Tempo	Follow Lights, Any Key, Karao-Key, Your Tempo
	Multi Pads	Multi Pad Creator	Yes	Yes
	Registration Memory	Number of Buttons	8	8
		Control	Registration Sequence, Freeze	Registration Sequence, Freeze
	Playlist	Number of Records	2,500 (max.) Records per Playlist file	2,500 (max.) Records per Playlist file
	Search		Yes	Yes
	Demo		Yes	Yes
	Overall Controls	Metronome	Yes	Yes
		Tempo Range	5 – 500, Tap Tempo	5 – 500, Tap Tempo
		Transpose	-12 – 0 – +12	-12 – 0 – +12
		Tuning	414.8 – 440 – 466.8 Hz	414.8 – 440 – 466.8 Hz
		Octave Button	Yes	Yes
		Scale Type	9 types	9 types
		Sub Scale Setting	Yes	Yes
		Bluetooth (May not have this functionality depending on the country in which you purchased the product.)	Bluetooth version	4.1
	Supported profile		A2DP	-
	Compatible codec		SBC	-
	Wireless output		Bluetooth class 2	-
	Maximum communication distance		about 10 m	-
	Radio Frequency (Operational Frequency)		2402–2480 MHz	-
	Maximum output power (EIRP)		+4 dBm	-
	Type of modulation		GFSK, $\pi/4$ DQPSK, 8DPSK	-
	Miscellaneous	Direct Access	Yes	Yes
		Text Display Function	Yes	Yes
		Wallpaper Customization	Yes	Yes
Others	Display output to an external monitor	Yes (by using a commercially USB display adaptor) * For a list of compatible devices, access the "Yamaha Downloads" website.	-	
Storage and Connectivity	Storage	Internal Memory (USER Drive)	Yes (approx. 4 GB)	Yes (approx. 1 GB)
		External Drives	USB flash drive	USB flash drive
	Connectivity	DC IN	16 V	16 V
		Headphones	Standard stereo phone jack	Standard stereo phone jack
		Microphone/Guitar	Yes	Yes
		MIDI	IN, OUT	IN, OUT
		AUX IN	Stereo mini jack	Stereo mini jack
		LINE OUT	MAIN OUTPUT (L/L+R, R), SUB (AUX) OUTPUT (1,2 (L/L+R, R))	MAIN OUTPUT (L/L+R, R)
		FOOT PEDAL	1 (SUSTAIN), 2 (ARTICULATION 1), Function assignable	1 (SUSTAIN), 2 (ARTICULATION 1), Function assignable
		USB TO DEVICE	Yes (x 2)	Yes
USB TO HOST	Yes	Yes		
Sound System	Amplifiers	(15 W + 10 W) x 2	15 W x 2	
	Speakers	13 cm x 2 + 2.5 cm (dome) x 2	13 cm x 2 + 5 cm x 2	
Power Supply	AC Adaptor	PA-300C or an equivalent recommended by Yamaha	PA-300C or an equivalent recommended by Yamaha	
	Power Consumption	24 W	21 W	
	Auto Power Off	Yes	Yes	
Included Accessories		Owner's Manual (this book) Music rest AC adaptor* (PA-300C or an equivalent recommended by Yamaha) * May not be included depending on your area. Check with your Yamaha dealer.	Owner's Manual (this book) Music rest AC adaptor* (PA-300C or an equivalent recommended by Yamaha) * May not be included depending on your area. Check with your Yamaha dealer.	
Separately Sold Accessories (May not be available depending on your area.)		AC adaptor: PA-300C or an equivalent recommended by Yamaha Headphones: HPH-50, HPH-100, HPH-150 Footswitch: FC4A, FC5 Foot controller: FC7 USB wireless LAN adaptor: UD-WL01 Wireless MIDI adaptor: UD-BT01, MD-BT01 Subwoofer: KS-SW100 Keyboard stand: L-6, L-7B (The exterior size of the PSR-SX900/SX700 is beyond the limits as described in the L-6 Assembly Instructions. However, we have determined through tests that the stand can be safely used for the instrument.)	AC adaptor: PA-300C or an equivalent recommended by Yamaha Headphones: HPH-50, HPH-100, HPH-150 Footswitch: FC4A, FC5 Foot controller: FC7 USB wireless LAN adaptor: UD-WL01 Wireless MIDI adaptor: UD-BT01, MD-BT01 Subwoofer: KS-SW100 Keyboard stand: L-6, L-7B (The exterior size of the PSR-SX900/SX700 is beyond the limits as described in the L-6 Assembly Instructions. However, we have determined through tests that the stand can be safely used for the instrument.)	

■ PANEL LAYOUT

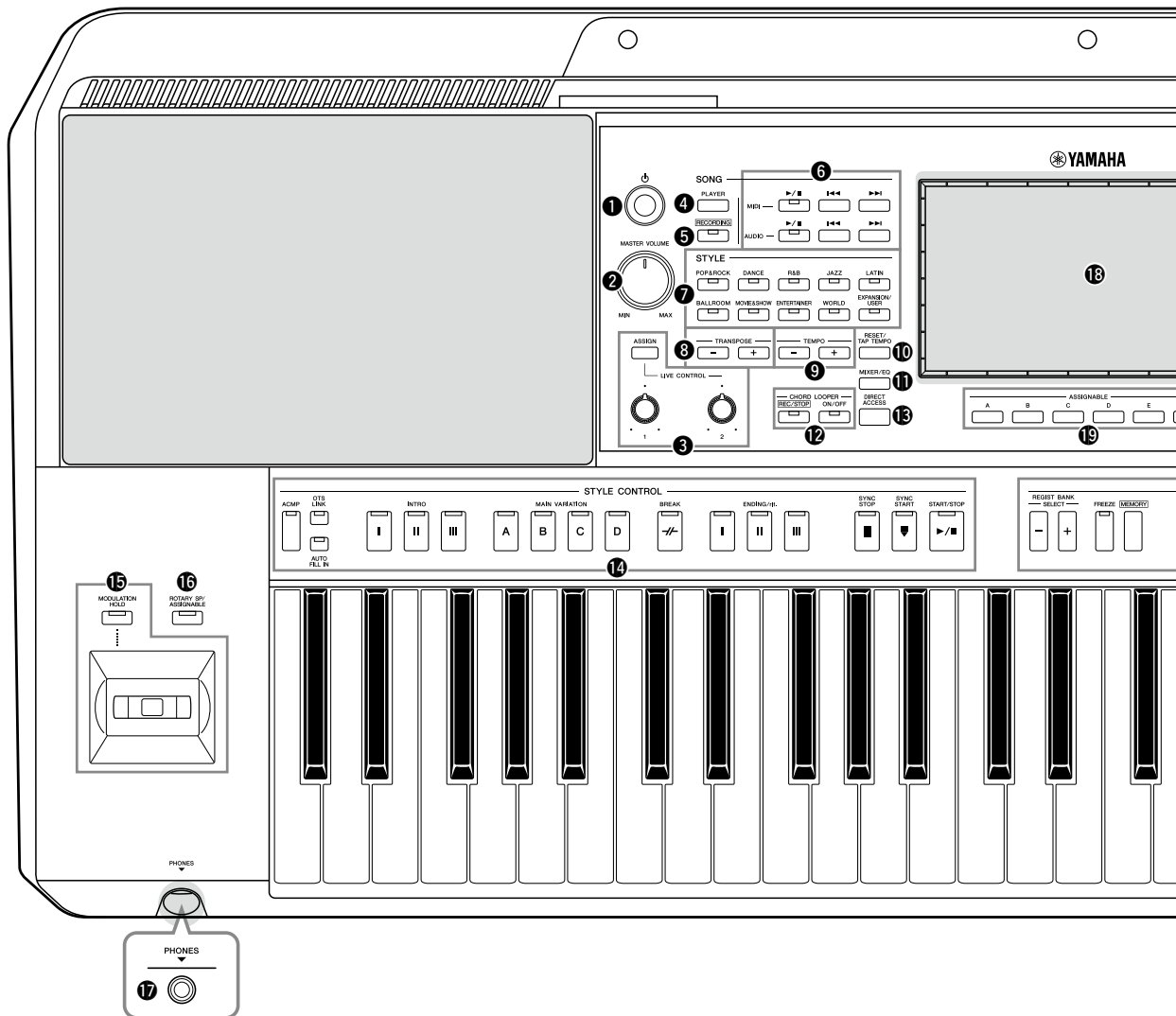
• Rear Panel



■ Rear Panel

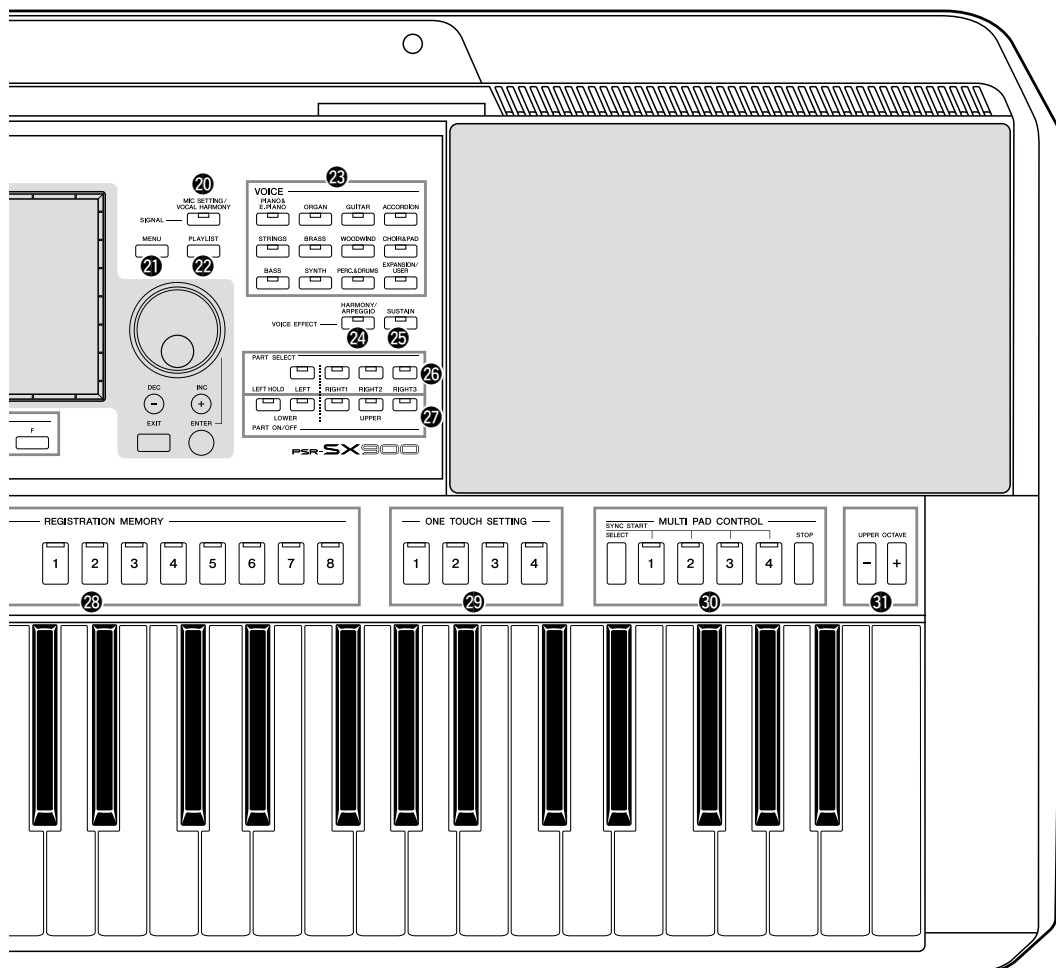
- ❶ DC IN jack
- ❷ SUB (AUX) OUTPUT [1 (L/L+R)], [2 (R)] jacks (PSR-SX900)
- ❸ MAIN OUTPUT [L/L+R], [R] jacks
- ❹ [AUX IN] jack
- ❺ [MIC GUITAR] switch
- ❻ [MIC/GUITAR INPUT] jack
- ❼ [GAIN] knob
- ❽ FOOT PEDAL [1], [2] jacks
- ❾ MIDI [IN], [OUT] terminals
- ❿ USB TO DEVICE terminals *The PSR-SX900 has two terminals, and the PSR-SX700 has one terminal.
- ⓫ [USB TO HOST] terminal

• Front Panel



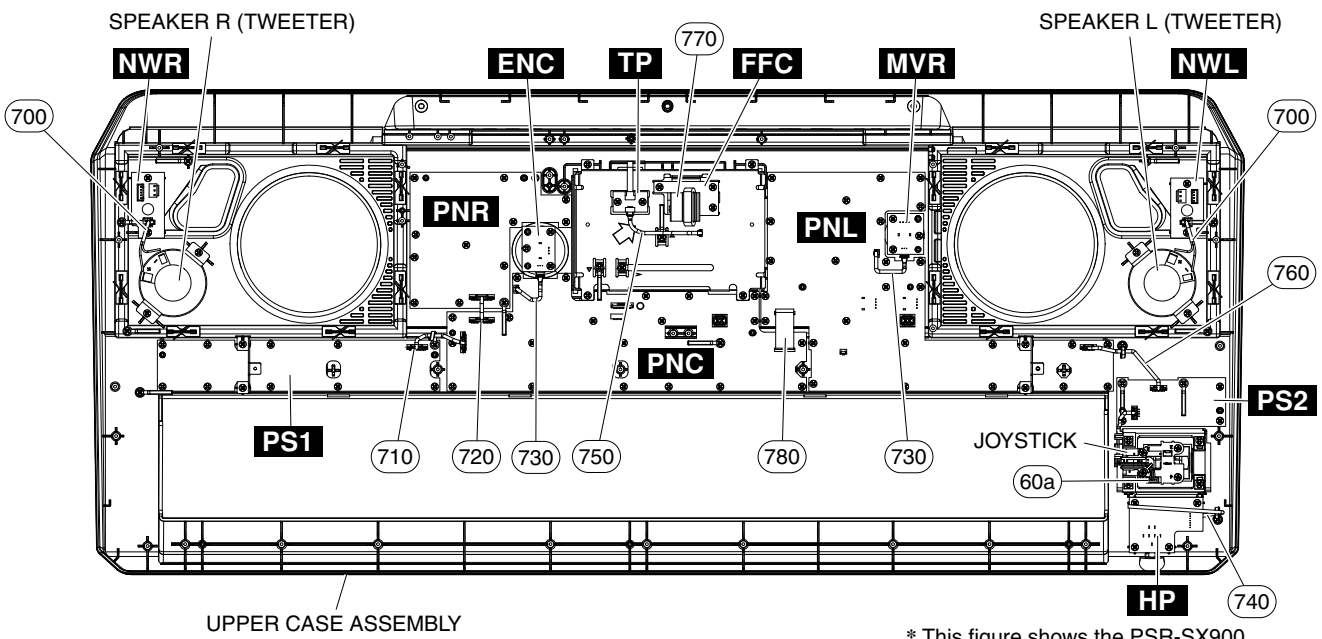
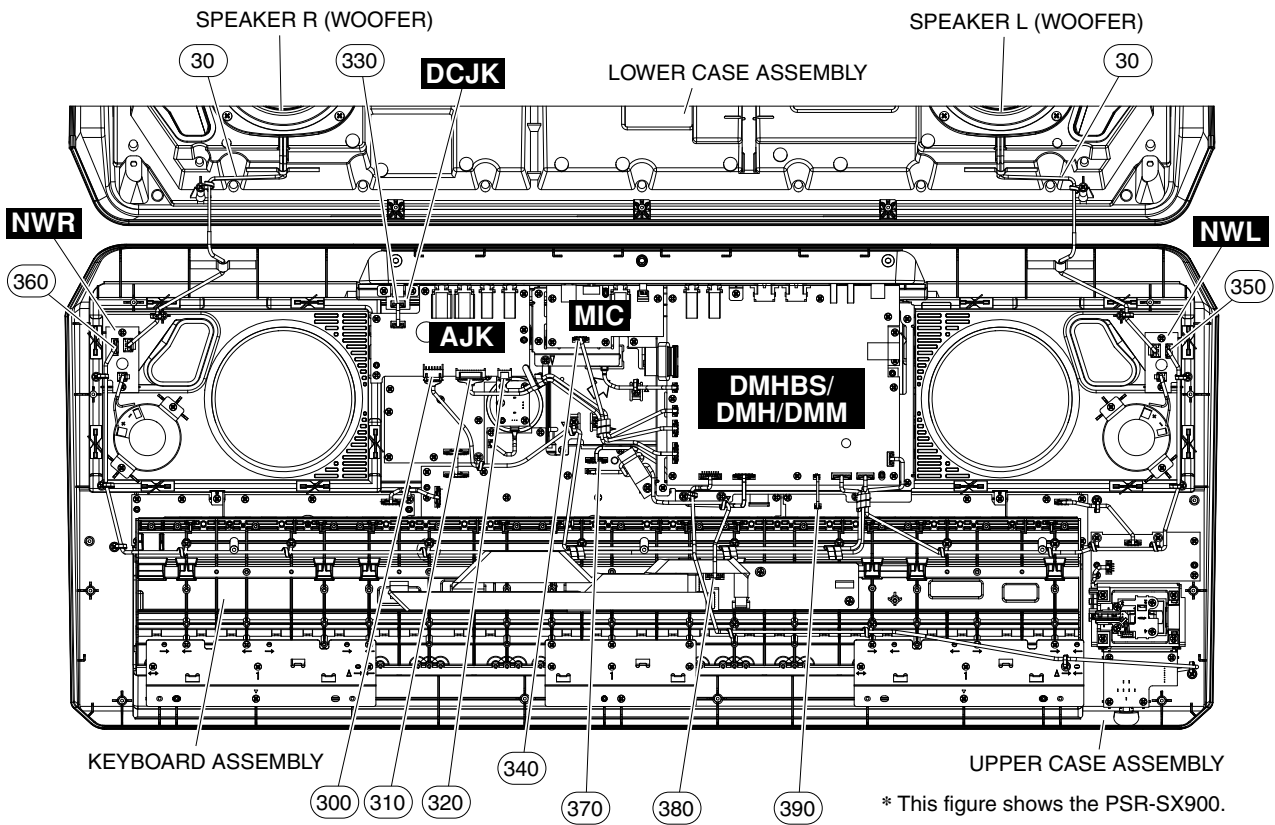
■ Front Panel

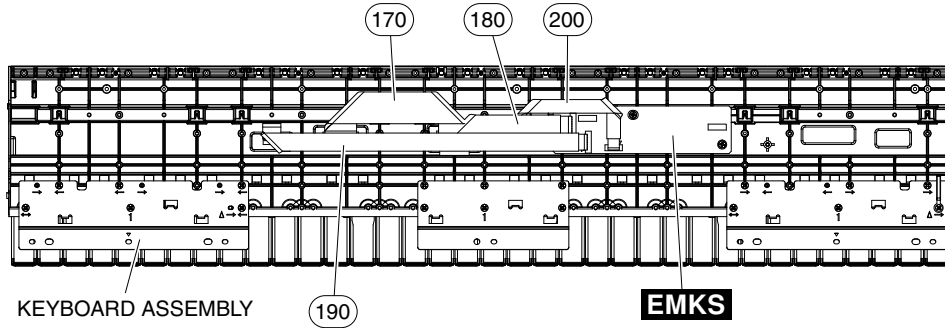
- | | |
|--|---|
| <ul style="list-style-type: none"> ① [] (Standby/On) switch ② [MASTER VOLUME] dial ③ [ASSIGN] button, LIVE CONTROL knobs ④ SONG [PLAYER] button ⑤ SONG [RECORDING] button ⑥ SONG playback control buttons ⑦ STYLE category selection buttons ⑧ TRANSPOSE buttons ⑨ TEMPO buttons ⑩ [RESET/TAP TEMPO] button ⑪ [MIXER/EQ] button ⑫ CHORD LOOPER buttons (PSR-SX900) | <ul style="list-style-type: none"> ⑬ [DIRECT ACCESS] button ⑭ STYLE CONTROL buttons ⑮ Joystick, [MODULATION HOLD] button ⑯ [ROTARY SP/ASSIGNABLE] button ⑰ [PHONES] jack ⑱ Touch LCD and related controls ⑲ ASSIGNABLE buttons ⑳ [MIC SETTING/VOCAL HARMONY] button (PSR-SX900)/
[MIC SETTING] button (PSR-SX700) ㉑ [MENU] button ㉒ [PLAYLIST] button ㉓ VOICE category selection buttons |
|--|---|



- ②④ [HARMONY/ARPEGGIO] button
- ②⑤ [SUSTAIN] button
- ②⑥ PART SELECT buttons
- ②⑦ PART ON/OFF buttons
- ②⑧ REGISTRATION MEMORY buttons
- ②⑨ ONE TOUCH SETTING buttons
- ③⑩ MULTI PAD CONTROL buttons
- ③① UPPER OCTAVE buttons

CIRCUIT BOARD LAYOUT & WIRING





Unit Name	Location	Parts No.		Parts Name	Description	Connection
		PSR-SX700	PSR-SX900			
OVERALL ASSEMBLY	300	(VAX9850)		CONNECTOR ASSEMBLY	XH-XH 6P 630mm	AJK CB5-DMHBS/DMH/DMM CB607
	310	(VAX9930)	(VAX9920)	CONNECTOR ASSEMBLY	GH-PH 12P 270mm	AJK CB2-DMHBS/DMH/DMM CB604
	320	(VAX9950)	(VAX9940)	CONNECTOR ASSEMBLY	GH-PH 5P 200mm	AJK CB3-DMHBS/DMH/DMM CB606
	330	(VAX9860)		CONNECTOR ASSEMBLY	XH-XH 4P 60mm	AJK CB4-DCJK CB1
	340	(VAX9400)		CONNECTOR ASSEMBLY	GH-GH 9P 150mm	MIC CB100-DMHBS/DMH/DMM CB601
	350	(VAX9880)	(VAX9870)	CONNECTOR ASSEMBLY	XH-XH 4P 520mm	DMHBS/DMH/DMM CB602-NWL CB500
	360	(VAX9900)	(VAX9890)	CONNECTOR ASSEMBLY	XH-XH 5P 950mm	DMHBS/DMH/DMM CB603-NWR CB600
	370	(VAX9410)		CONNECTOR ASSEMBLY	GH-GH 13P 210mm	DMHBS/DMH/DMM CB455-PNC CB1
	380	(VCV0900)		CONNECTOR ASSEMBLY	GH-PH 7P 220mm	EMKS CN7-PNC CB3
	390	(VAX9450)		CONNECTOR ASSEMBLY	GH-GH 2P 70mm	DMHBS/DMH/DMM CB454-PNL CB400
UPPER CASE ASSEMBLY	700	(VAX9980)		VH-FASTON	2P	TW-NWL CB502 TW-NWR CB603
	710	(VAX9420)		CONNECTOR ASSEMBLY	GH-GH 12P 70mm	PS1 CB200-PNC CB5
	720	(VAX9430)		CONNECTOR ASSEMBLY	GH-GH 15P 60mm	PNR CB300-PNC CB4
	730	(VAX9970)		CONNECTOR ASSEMBLY	GH-PH 3P 55mm	MVR CB400-PNL CB401 ENC CB300-PNC CB6
	740	(VAX8970)		CONNECTOR ASSEMBLY	PH-PH 8P 650mm	HP CB201-DMHBS/DMH/DMM CB605
	750	(VAX9440)		CONNECTOR ASSEMBLY	GH-GH 4P 120mm	TP CB601-DMHBS/DMH/DMM CB453
	760	(VAX9460)		CONNECTOR ASSEMBLY	GH-GH 9P 100mm	PNL CB402-PS2 CB500
	770	VAY00000		FFC CABLE ASSEMBLY	FFC 50P 150mm	LCD-DMHBS/DMH/DMM CB452
	780	VAY00100		FFC CABLE ASSEMBLY	FFC 32P 60mm	PNL CB404-PNC CB2
	60a	(VAX9280)		CONNECTOR ASSEMBLY JS	PH-PH 4P 150mm	JS CN1-PS2 CB501
LOWER CASE ASSEMBLY	30	(VAX9990)		VH-FASTON	3P 430mm	WO-NWL CB501 WO-NWR CB602
KEYBOARD ASSEMBLY	170	(ZS05310)		WIRING ASSEMBLY	13PIN 150mm	MK-L CB3 - MK-H CB1
	180	(ZZ81540)		WIRING ASSEMBLY MKL-EMKS	12P 130mm	MK-L CB1 - EMKS CN2
	190	(ZZ80990)		WIRING ASSEMBLY MKH-EMKS	5P 300mm	MK-H CB2 - EMKS CN4
	200	(ZZ81000)		WIRING ASSEMBLY MKL-EMKS	8P 140mm	MK-L CB2 - EMKS CN3

* The parts with “()” in “Part No.” are not available as spare parts.

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

DISASSEMBLY PROCEDURE

Precautions

- * Disassembly or assembly should be performed on a cloth so as not to damage the LCD.
- * Install the filament tape and the harness clamp in the same way as they were before removal.

* Notes on Flat Cable

Contacts are visible from the back. Pay attention not to insert and install the cable to the connector inversely. (Photo 1)

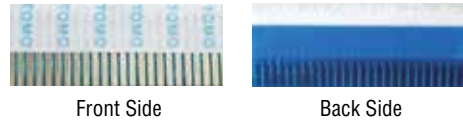


Photo 1

1. Bottom Board

(Time required: About 4 minutes)

Remove the twenty-four (24) screws marked [560]. The bottom board assembly can then be removed. (Fig. 1)

<Bottom view>

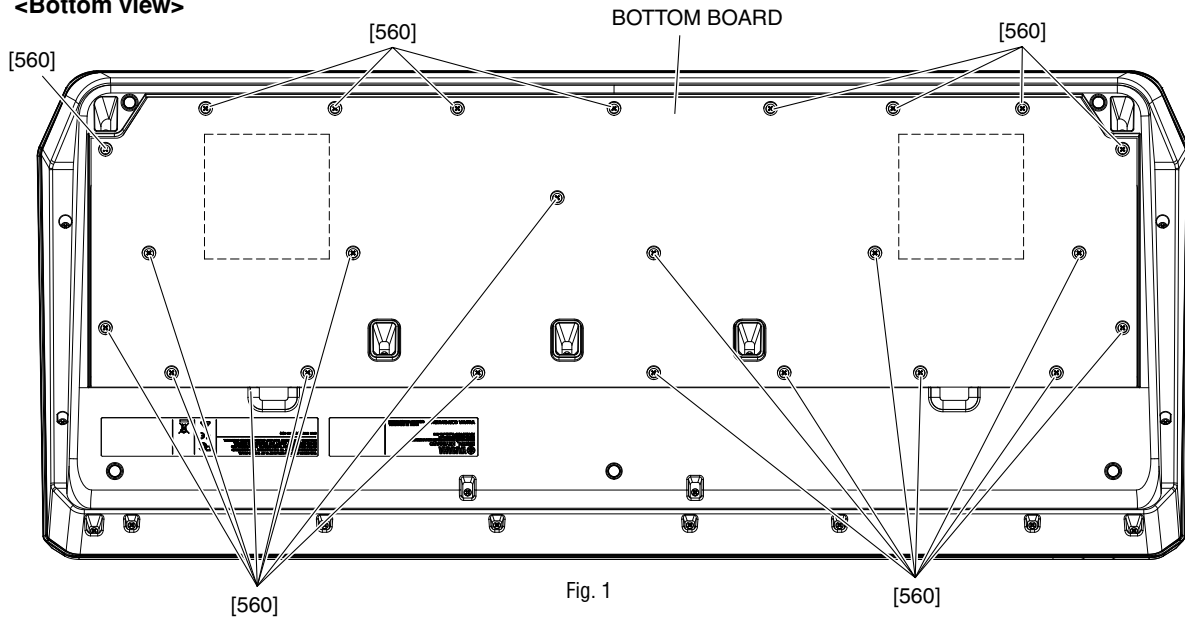


Fig. 1

<Bottom view>

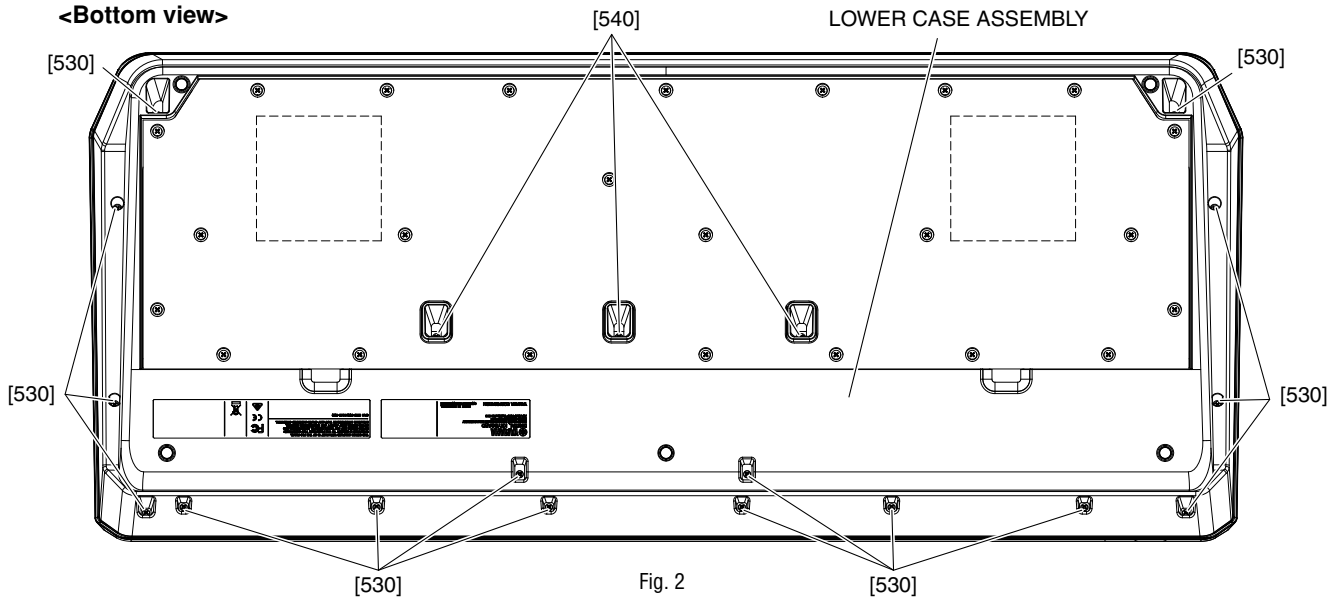
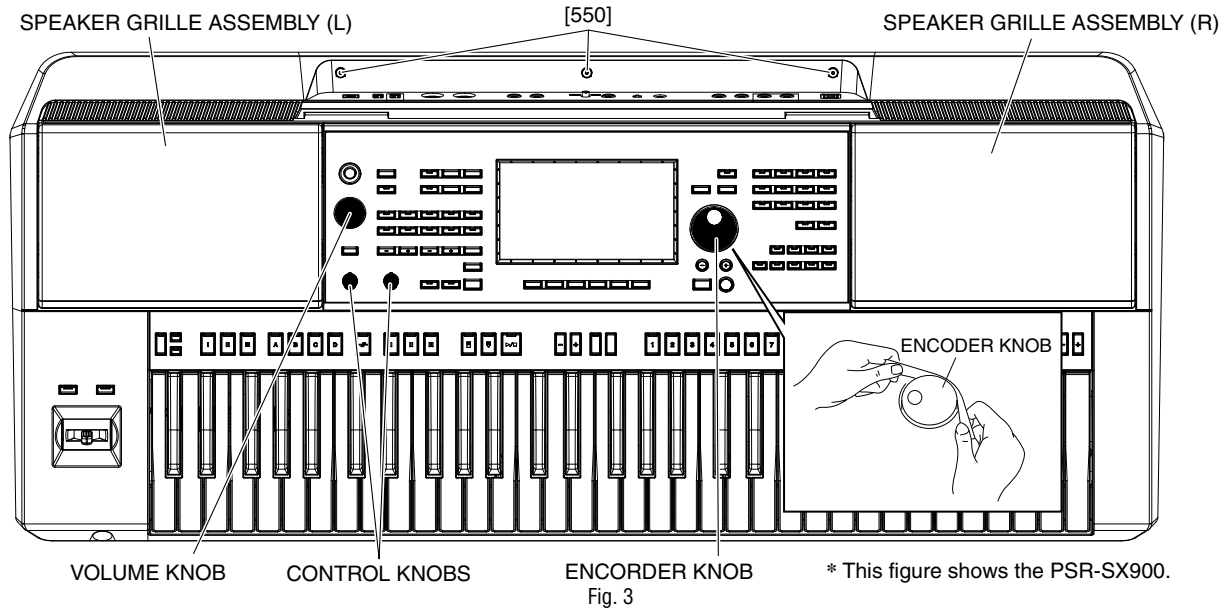


Fig. 2

2. Lower Case Assembly
(Time required: About 4 minutes)

- 2-1. Remove the three (3) screws marked [540] and the sixteen (16) screws marked [530]. (Fig. 2)
- 2-2. Remove the three (3) screws marked [550]. The lower case assembly can then be removed. (Fig. 3)

<Top view>



3. DMHBS/DMH/DMM Circuit Board
(Time required: About 5 minutes)

- 3-1. Remove the lower case assembly. (See procedure 2.)
 - 3-2. Remove the eight (8) screws marked [520A]. The DMHBS/DMH/DMM circuit board can then be removed. (Fig. 4)
- * After replacing the DMHBS/DMH/DMM circuit board, make sure to execute the "Factory Set" in the Test program.

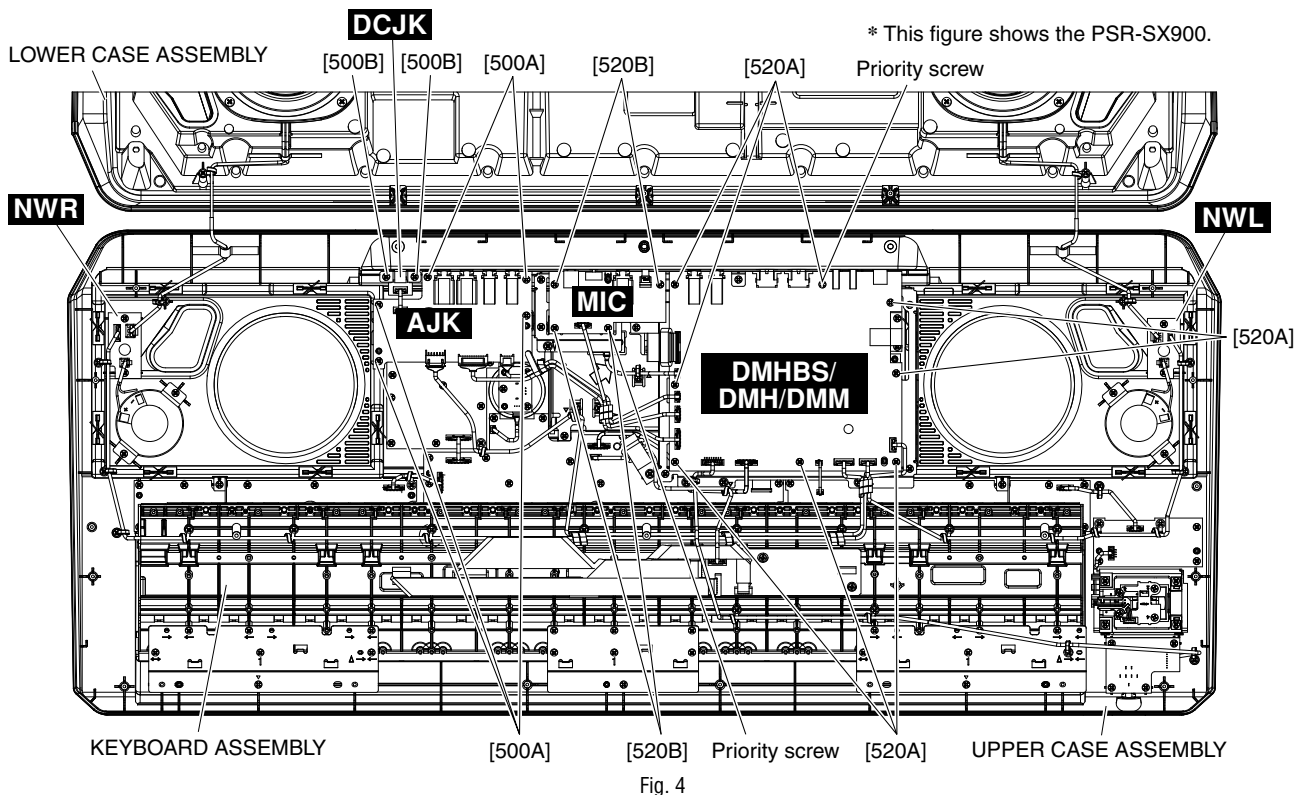


Table of destination SW

* SW451 and SW452 of DMHBS/DMH/DMM circuit board are set as shown in the figure.

Destination Model	Indonesia (INA)	Vietnam (VN)	the Others (E), (Y)
PSR-SX900 PSR-SX700	SW451 ON 	SW451 OFF 	SW451 OFF
	SW452 OFF 	SW452 ON 	SW452 OFF

* Writing the contents for each destination

Be sure to execute writing the contents after replacing the DMHBS/DMH/DMM circuit board.

- Procedure: Execute the test program "063: Local Contents write". (p. 51)
- Confirmation: Execute the test program "001: Version". (p.42)

4. MIC Circuit Board

(Time required: About 5 minutes)

- 4-1. Remove the lower case assembly. (See procedure 2.)
- 4-2. Remove the four (4) screws marked [520B]. The MIC circuit board can then be removed. (Fig. 4)

5. AJK Circuit Board

(Time required: About 5 minutes)

- 5-1. Remove the lower case assembly. (See procedure 2.)
- 5-2. Remove the five (5) screws marked [500A]. The AJK circuit board can then be removed. (Fig. 4)

6. DCJK Circuit Board

(Time required: About 4 minutes)

- 6-1. Remove the lower case assembly. (See procedure 2.)
- 6-2. Remove the two (2) screws marked [500B]. The DCJK circuit board can then be removed. (Fig. 4)

7. Keyboard Assembly

(Time required: About 5 minutes)

- 7-1. Remove the lower case assembly. (See procedure 2.)
- 7-2. Remove the two (2) screws marked [510] and the three (3) screws marked [500C]. The keyboard assembly can then be removed. (Fig. 5)

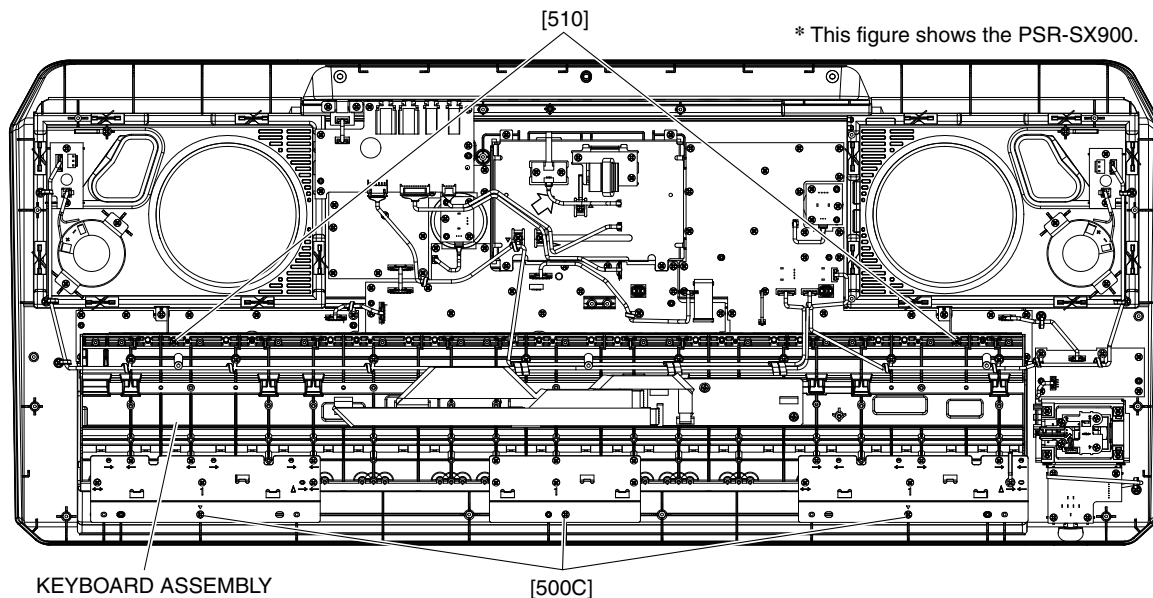


Fig. 5

8. PNL Circuit Board

(Time required: About 11 minutes)

- 8-1. Remove the two (2) control knobs. (Fig. 3)
- 8-2. Remove the lower case assembly. (See procedure 2.)
- 8-3. Remove the keyboard assembly. (See procedure 7.)
- 8-4. Remove the six (6) screws marked [500D]. The shield cover assembly can then be removed. (Fig. 6)
- * **The shield cover can be removed without removing the DMHBS/DMH/DMM and MIC circuit boards.**
- 8-5. Remove the two (2) screws marked [900A]. The keyboard stay R can then be removed. (Fig. 7)
- 8-6. Remove the twenty six (26) screws marked [900B]. The PNL circuit board can then be removed. (Fig. 7)

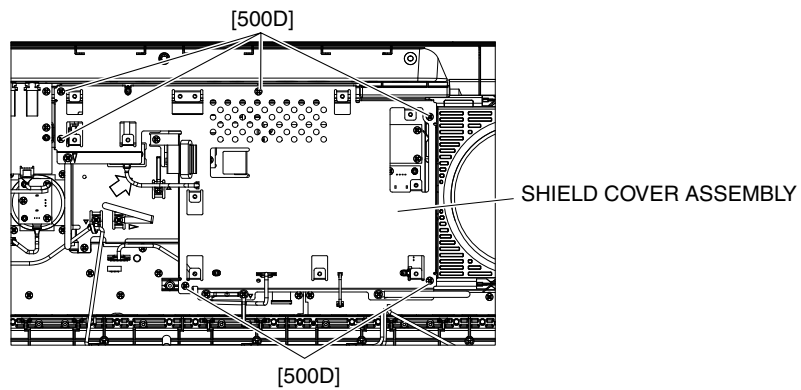


Fig. 6

* This figure shows the PSR-SX900.

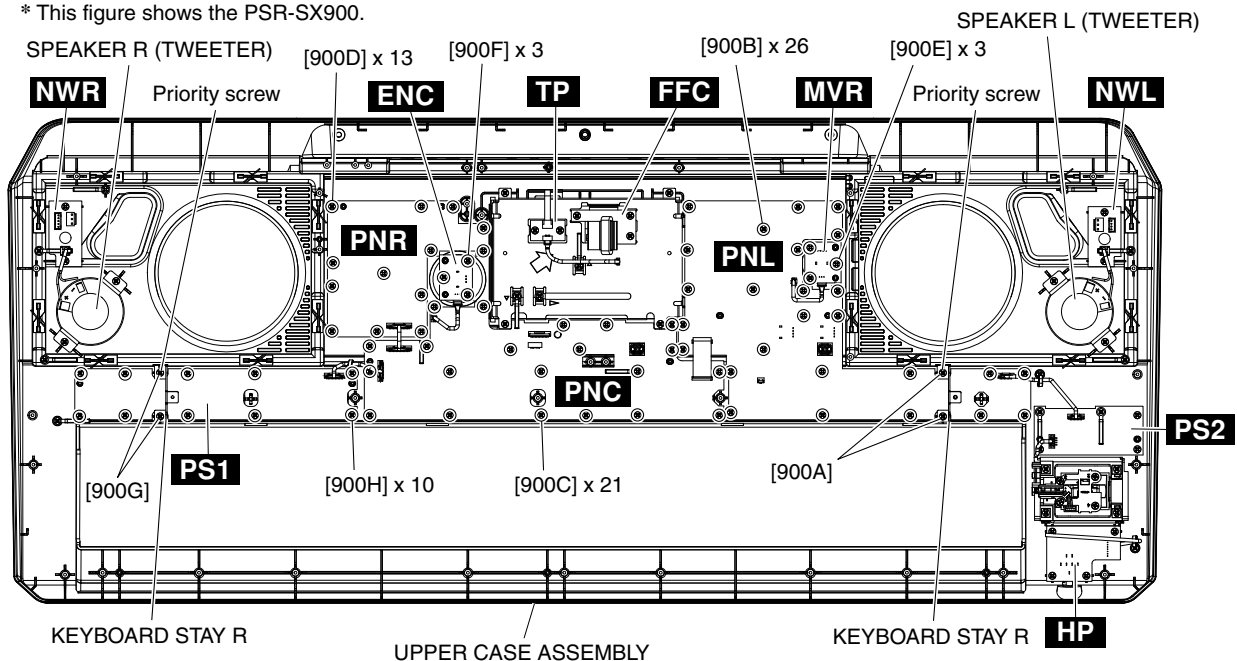


Fig. 7

9. PNC Circuit Board

(Time required: About 9 minutes)

- 9-1. Remove the lower case assembly. (See procedure 2.)
- 9-2. Remove the keyboard assembly. (See procedure 7.)
- 9-3. Remove the shield cover assembly. (See procedure 8-4.)
- * ***The shield cover can be removed without removing the DMHBS/DMH/DMM and MIC circuit boards.***
- 9-4. Remove the twenty one (21) screws marked [900C]. The PNC circuit board can then be removed. (Fig. 7)

10. PNR Circuit Board

(Time required: About 8 minutes)

- 10-1. Remove the lower case assembly. (See procedure 2.)
- 10-2. Remove the AJK circuit board. (See procedure 5.)
- 10-3. Remove the shield cover assembly. (See procedure 8-4.)
- * ***The shield cover can be removed without removing the DMHBS/DMH/DMM and MIC circuit boards.***
- 10-4. Remove the thirteen (13) screws marked [900D]. The PNR circuit board can then be removed. (Fig. 7)

11. MVR Circuit Board

(Time required: About 7 minutes)

- 11-1. Remove the volume knob. (Fig. 3)
- 11-2. Remove the lower case assembly. (See procedure 2.)
- 11-3. Remove the shield cover assembly. (See procedure 8-4.)
- * ***The shield cover can be removed without removing the DMHBS/DMH/DMM and MIC circuit boards.***
- 11-4. Remove the three (3) screws marked [900E]. The MVR circuit board can then be removed. (Fig. 7)

12. ENC Circuit Board

(Time required: About 5 minutes)

- 12-1. Remove the encorder knob. (Fig. 3)
- 12-2. Remove the lower case assembly. (See procedure 2.)
- 12-3. Remove the three (3) screws marked [900F]. The ENC circuit board can then be removed. (Fig. 7)

13. PS1 Circuit Board

(Time required: About 7 minutes)

- 13-1. Remove the lower case assembly. (See procedure 2.)
- 13-2. Remove the keyboard assembly. (See procedure 7.)
- 13-3. Remove the two (2) screws marked [900G]. The keyboard stay R can then be removed. (Fig. 7)
- 13-4. Remove the ten (10) screws marked [900H]. The PS1 circuit board can then be removed. (Fig. 7)

14. PS2 Circuit Board

(Time required: About 5 minutes)

- 14-1. Remove the lower case assembly. (See procedure 2.)
- 14-2. Remove the five (5) screws marked [900I]. The PS2 circuit board can then be removed. (Fig. 8)

15. HP Circuit Board

(Time required: About 5 minutes)

- 15-1. Remove the lower case assembly. (See procedure 2.)
- 15-2. Remove the four (4) screws marked [900J]. The HP circuit board can then be removed. (Fig. 8)

16. TP Circuit Board**(Time required: About 6 minutes)**

- 16-1. Remove the lower case assembly. (See procedure 2.)
 16-2. Remove the shield cover assembly. (See procedure 8-4.)
 * **The shield cover can be removed without removing the DMHBS/DMH/DMM and MIC circuit boards.**
 16-3. Remove the two (2) screws marked [920A]. The TP circuit board can then be removed. (Fig. 8)

17. FFC Circuit Board**(Time required: About 6 minutes)**

- 17-1. Remove the lower case assembly. (See procedure 2.)
 17-2. Remove the shield cover assembly. (See procedure 8-4.)
 * **The shield cover can be removed without removing the DMHBS/DMH/DMM and MIC circuit boards.**
 17-3. Remove the three (3) screws marked [920B]. The FFC circuit board can then be removed. (Fig. 8)

18. NWL Circuit Board**(Time required: About 4 minutes)**

- 18-1. Remove the lower case assembly. (See procedure 2.)
 18-2. Remove the two (2) screws marked [900K]. The NWL circuit board can then be removed. (Fig. 8)

19. NWR Circuit Board**(Time required: About 4 minutes)**

- 19-1. Remove the lower case assembly. (See procedure 2.)
 19-2. Remove the two (2) screws marked [900L]. The NWR circuit board can then be removed. (Fig. 8)

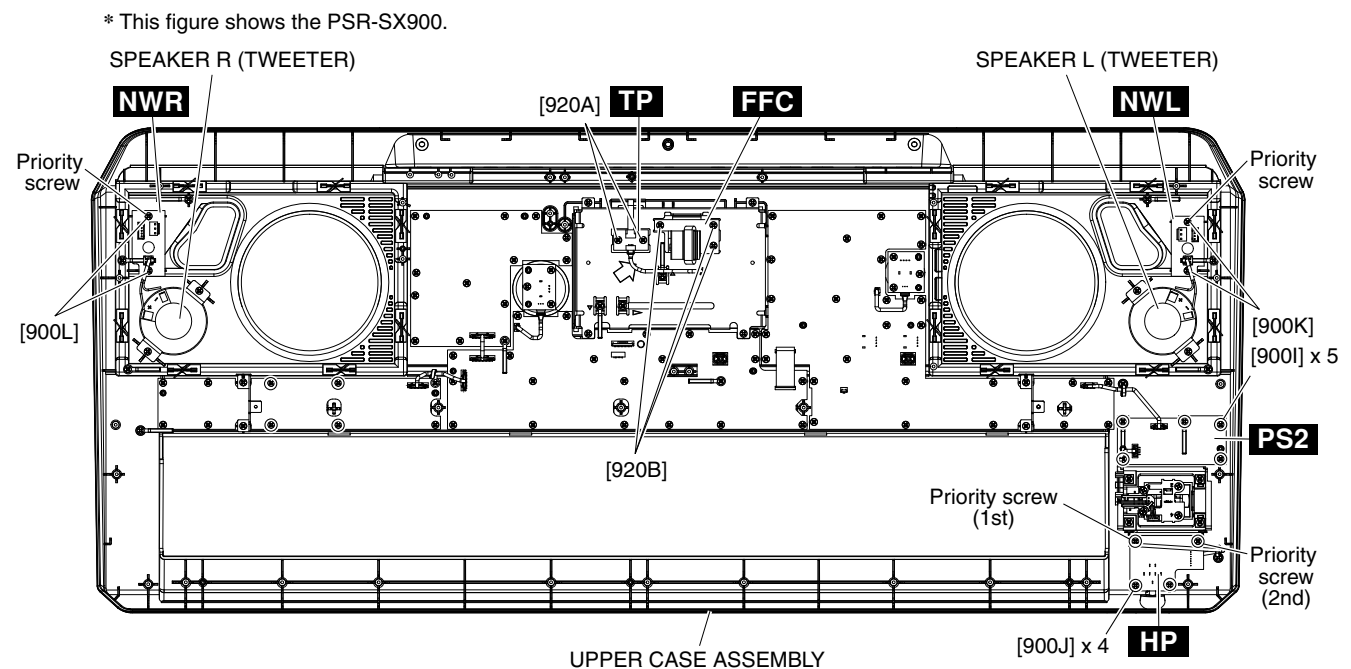


Fig. 8

20. LCD Sub Assembly

(Time required: About 7 minutes)

- 20-1. Remove the lower case assembly. (See procedure 2.)
- 20-2. Remove the shield cover assembly. (See procedure 8-4.)
 - * **The shield cover can be removed without removing the DMHBS/DMH/DMM and MIC circuit boards.**
- 20-3. Remove the TP circuit board. (See procedure 16.)
- 20-4. Remove the FFC circuit board. (See procedure 17.)
- 20-5. Remove the four (4) screws marked [900M]. The LCD shield assembly can then be removed. (Fig. 9)
 - * **When installing the LCD shield assemble, tighten screws while pushing it in the arrow direction.**
- 20-6. Remove the LCD sub assembly. (Fig. 9)

21. Joystick

(Time required: About 5 minutes)

- 21-1. Remove the lower case assembly. (See procedure 2.)
- 21-2. Remove the four (4) screws marked [910]. The joystick can then be removed. (Fig. 9)

22. Tweeter

(Time required: About 4 minutes)

- 22-1. Remove the lower case assembly. (See procedure 2.)
- 22-2. Remove the two (2) screws marked [900N]. The tweeter can then be removed. (Fig. 9)
 - * **The left and right tweeters can be removed in the same method.**

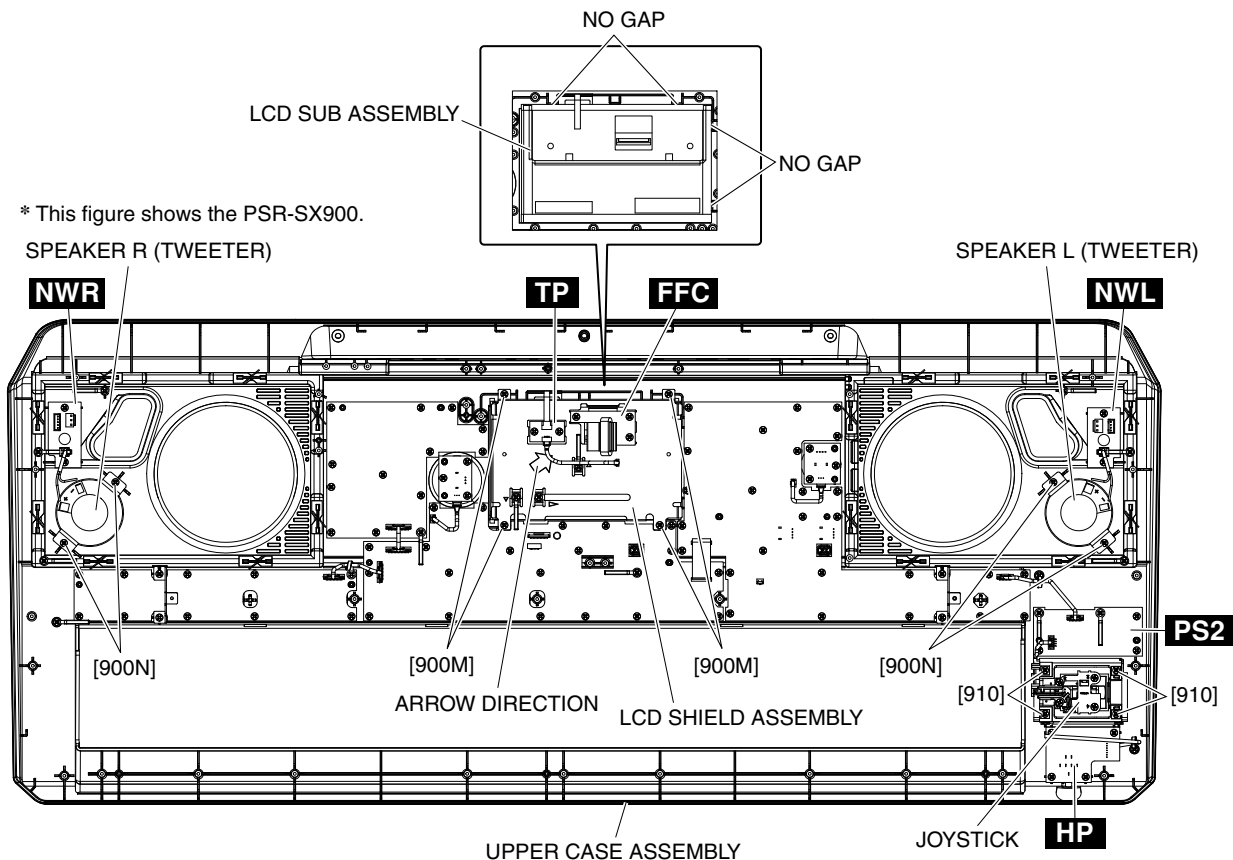


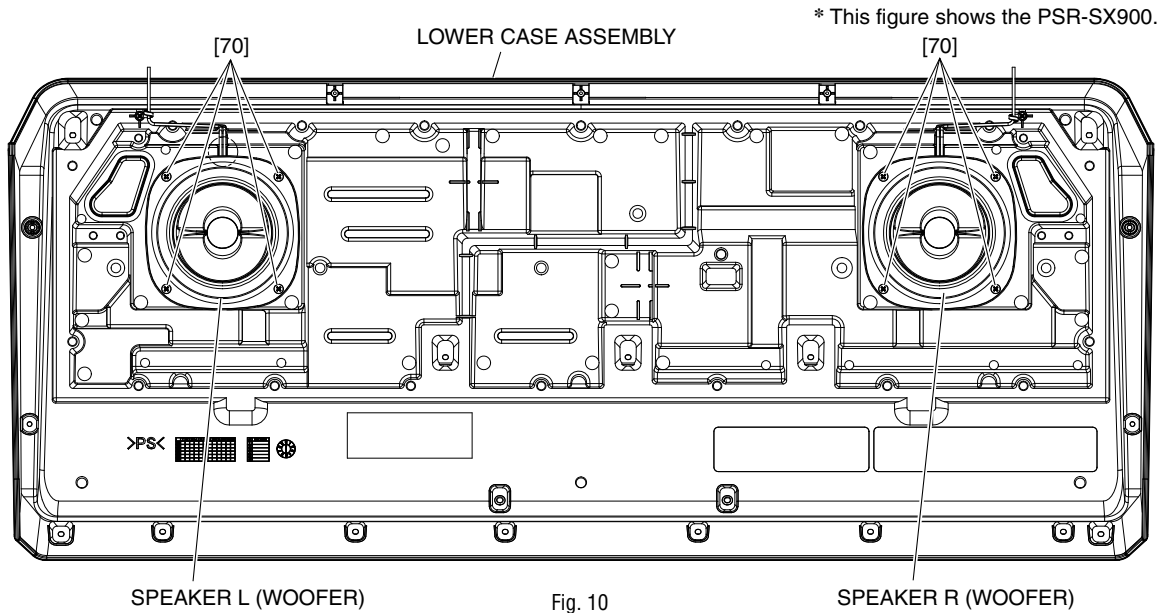
Fig. 9

23. Woofer

(Time required: About 5 minutes)

- 23-1. Remove the lower case assembly. (See procedure 2.)
- 23-2. Remove the four (4) screws marked [70]. The woofer can then be removed. (Fig. 10)

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



24. Speaker Grille Assembly L

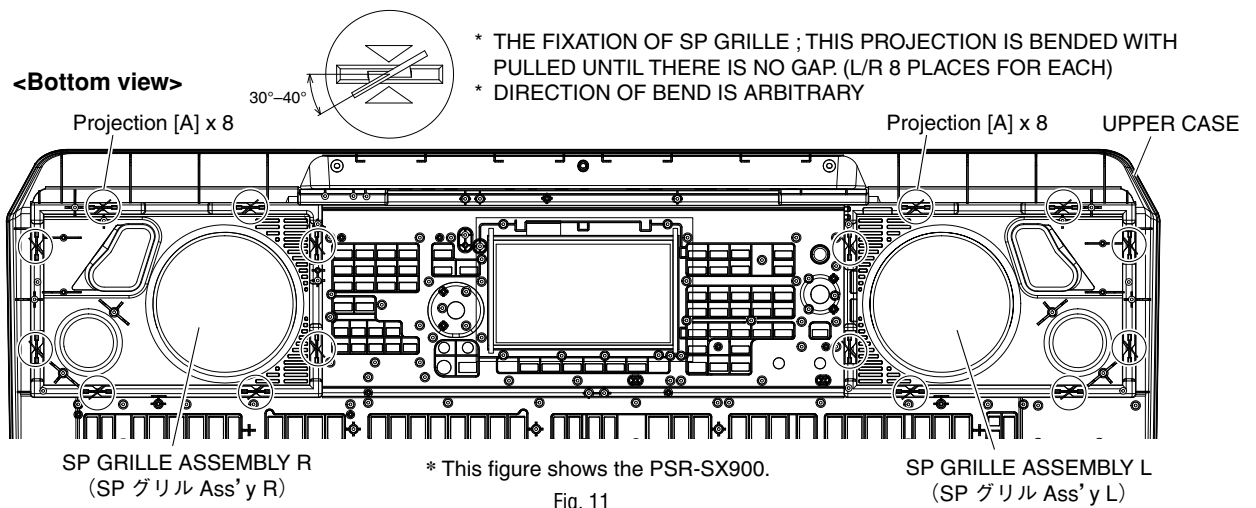
(Time required: About 7 minutes)

- 24-1. Remove the lower case assembly. (See procedure 2.)
- 24-2. Remove the shield cover assembly. (See procedure 8-4.)
- * The shield cover can be removed without removing the DMHBS/DMH/DMM and MIC circuit boards.
- 24-3. Restraighten the eight (8) projections marked [A] to come off the slots of the upper case. (Fig. 11)
- 24-4. Remove the speaker grille assembly L. (Fig. 3)

25. Speaker Grille Assembly R

(Time required: About 5 minutes)

- 25-1. Remove the lower case assembly. (See procedure 2.)
- 25-2. Restraighten the eight (8) projections marked [A] to come off the slots of the upper case. (Fig. 11)
- 25-3. Remove the speaker grille assembly R. (Fig. 3)



26. Disassembling the Keyboard Assembly

26-1. Remove the lower case assembly. (See procedure 2.)

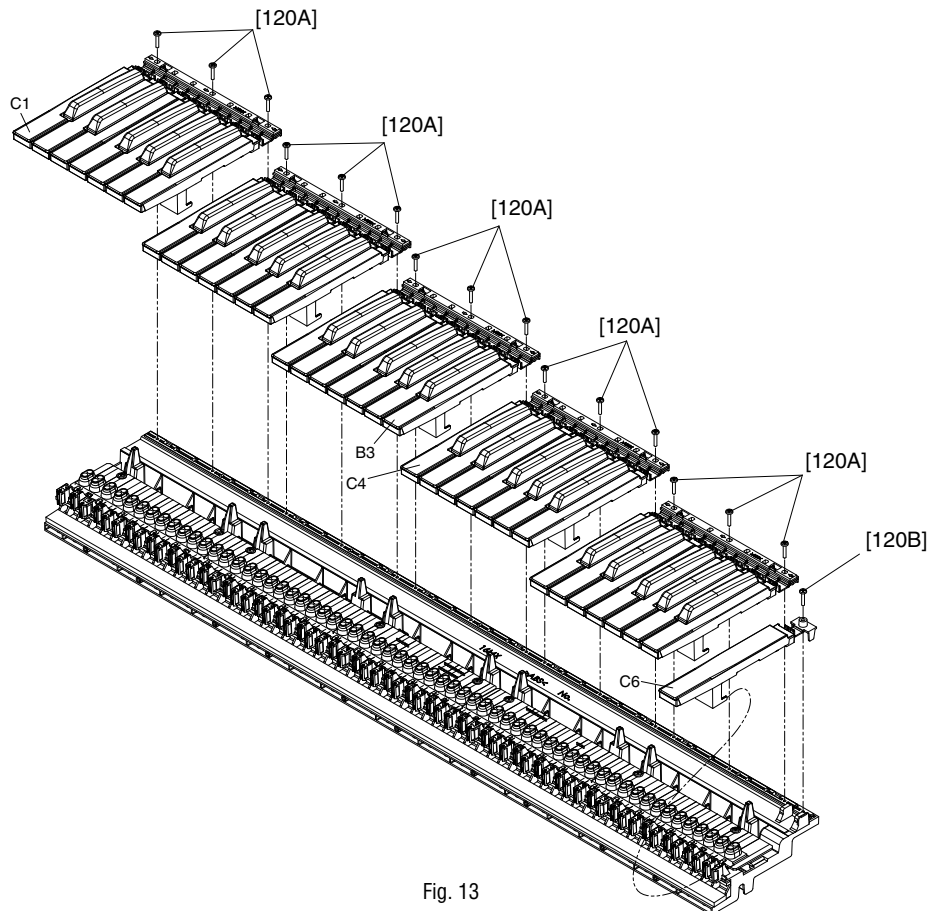
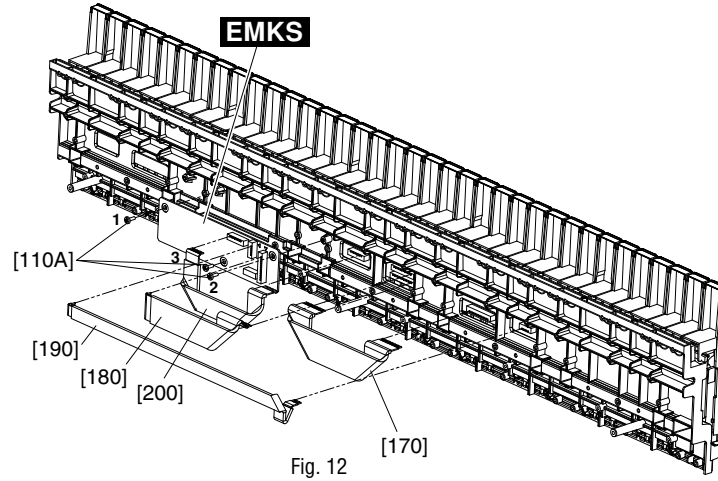
26-2. Remove the keyboard assembly. (See procedure 7.)

26-3. EMKS Circuit Board

(Time required: About 5 minutes)

26-3-1. Remove the three (3) screws marked [110A]. The EMKS circuit board can then be removed. (Fig. 12)

* When installing the EMKS circuit board, tighten the screws 1 through 3 in numerical order as shown in the figure "EMKS" in Fig. 12.



26-4. **White and Black Keys**

(Time required: About 8 minutes)

26-4-1. White and black keys for one octave unit are integrated as a set. There are five sets in total. Only the C6 white key, unlike the other keys, is not integrated in a set. (Fig. 13)

26-4-2. To remove a set, remove the three (3) each screws marked [120A]. The white and black keys in the set can then be removed. (Fig. 13)

When removing, unfasten the two (2) hooks at the back of the black keys upward, and lift the white and black keys while pulling them toward you a little. (Fig. 14)

26-4-3. To remove the white key C6, remove the screw marked [120B], and pull out toward you. (Fig. 13)

26-5. **Rubber Contact**

(Time required: About 8 minutes)

26-5-1. Remove the rubber contacts. (Fig. 15)

26-6. **MK-L Circuit Board**

(Time required: About 8 minutes)

26-6-1. Remove the white and black keys from C1 to B3. (See Fig. 13 and Procedure 26-4-2.)

26-6-2. Remove the four (4) screws marked [110B]. The MK-L circuit board can then be removed. (Fig. 15)

* *When installing the MK-L circuit board, tighten the screws 1 through 4 in numerical order as shown in the figure "MK-L" in Fig. 15.*

26-7. **MK-H Circuit Board**

(Time required: About 8 minutes)

26-7-1. Remove the white and black keys from C4 to C6. (See Fig. 13 and Procedure 26-4-2.)

26-7-2. Remove the three (3) screws marked [110C]. The MK-H circuit board can then be removed. (Fig. 15)

* *When installing the MK-H circuit board, tighten the screws 1 through 3 in numerical order as shown in the figure "MK-H" in Fig. 15.*

<Bottom view>

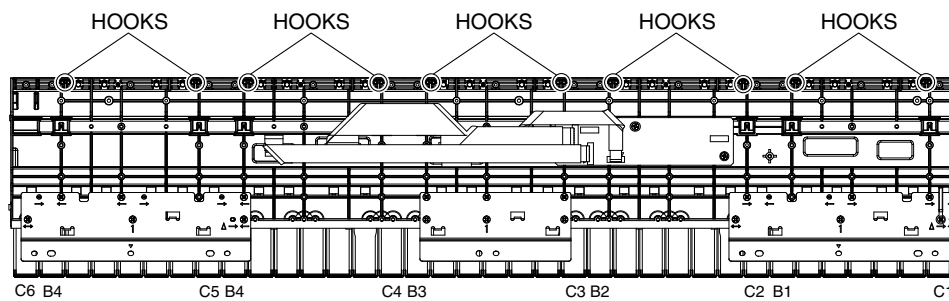


Fig. 14

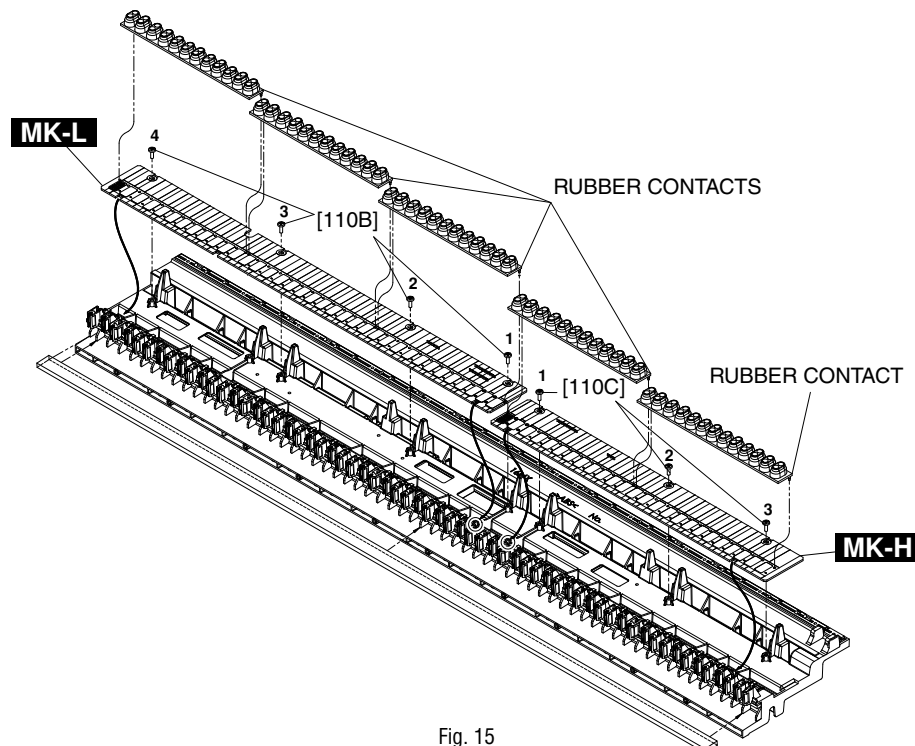


Fig. 15

27. Assembling Keyboard Assembly

(Time required: About 9 minutes)

27-1. MK-L Circuit Board, MK-H Circuit Board

Insert the cut part of the MK-L circuit board into the positioning rib while plugging it onto the predetermined position on the keyboard frame, and securely tighten four (4) screws marked [110B]. (Fig. 15, Fig. 16)

Insert the cut part of the MK-H circuit board into the positioning rib while plugging it onto the predetermined position on the keyboard frame, and securely tighten three (3) screws marked [110C]. (Fig. 15, Fig. 16)

27-2. Rubber Contacts

Push the rubber contacts by the tip of the clip to mount them. (Photo. 2)

27-3. Keyboard (Black keys, White keys)

Insert the snap fit hooks of the black keys through the holes of the white keys and fix them in place. (Fig. 17)

* **Be careful not to apply excessive force to the elastic hinges.**

Slide the keyboard inward while inserting it into the key guide, then plug the snap fits of the black keys into the holes of the key rail, and tighten three (3) screws marked [120A]. (Fig. 13)

* **Other keyboards can be mounted in the same way.**

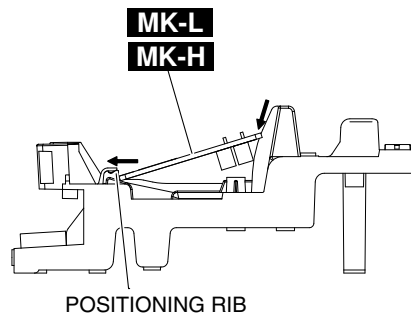


Fig. 16

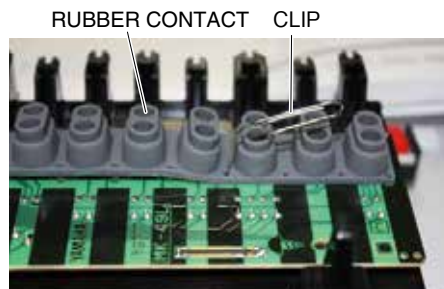


Photo 2

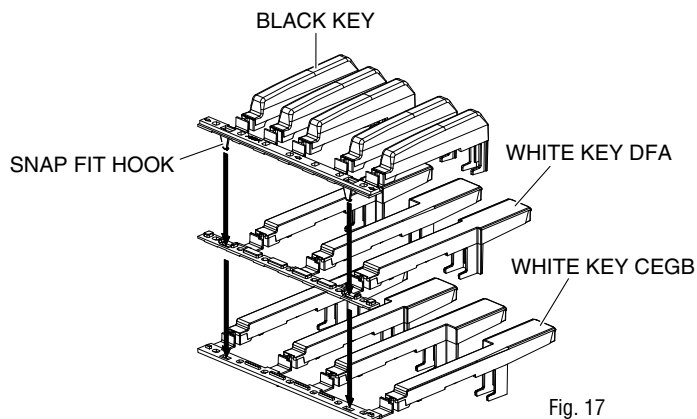
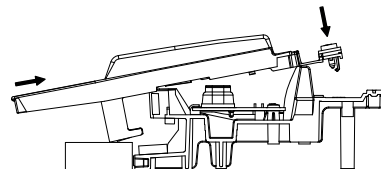


Fig. 17



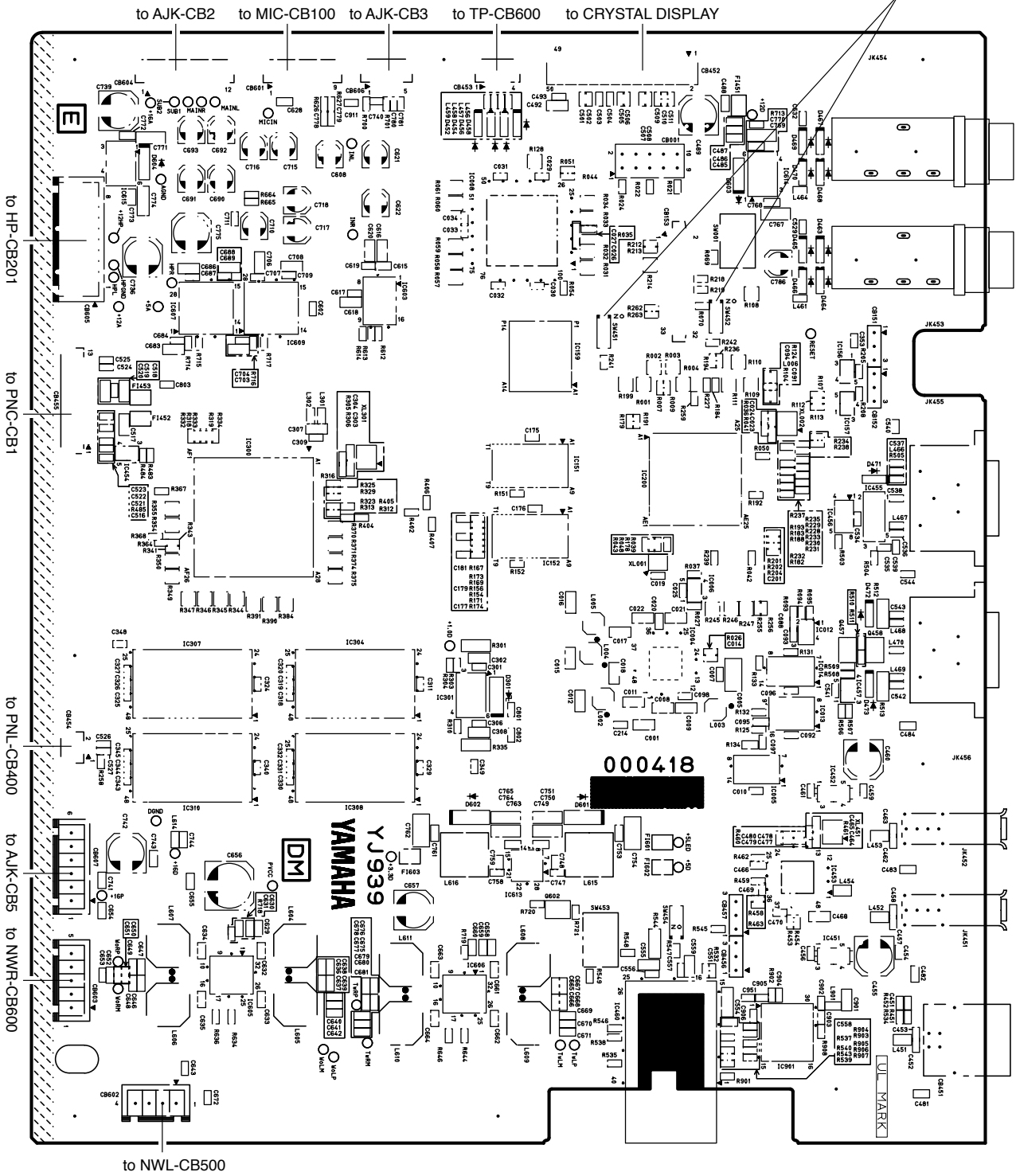
■ CIRCUIT BOARDS

AJK Circuit Board (YJ940B0).....	24
DCJK Circuit Board (YJ940B0).....	35
DMHBS/DMH/DMM Circuit Board (YJ939E0).....	22/23
EMKS Circuit Board (YJ742A0).....	35
ENC Circuit Board (YJ940B0).....	34
FFC Circuit Board (YJ942C0).....	34
HP Circuit Board (YJ940B0).....	25
MIC Circuit Board (YJ941C0).....	28/29
MK-H Circuit Board (YJ646B0).....	38/39
MK-L Circuit Board (YJ645B0).....	36/37
MVR Circuit Board (YJ940B0).....	34
NWL Circuit Board (YJ940B0).....	25
NWR Circuit Board (YJ940B0).....	25
PNC Circuit Board (YJ942C0).....	32/33
PNL Circuit Board (YJ941C0).....	26/27
PNR Circuit Board (YJ941C0).....	28/29
PS1 Circuit Board (YJ941C0).....	30
PS2 Circuit Board (YJ941C0).....	31
TP Circuit Board (YJ941C0).....	31

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

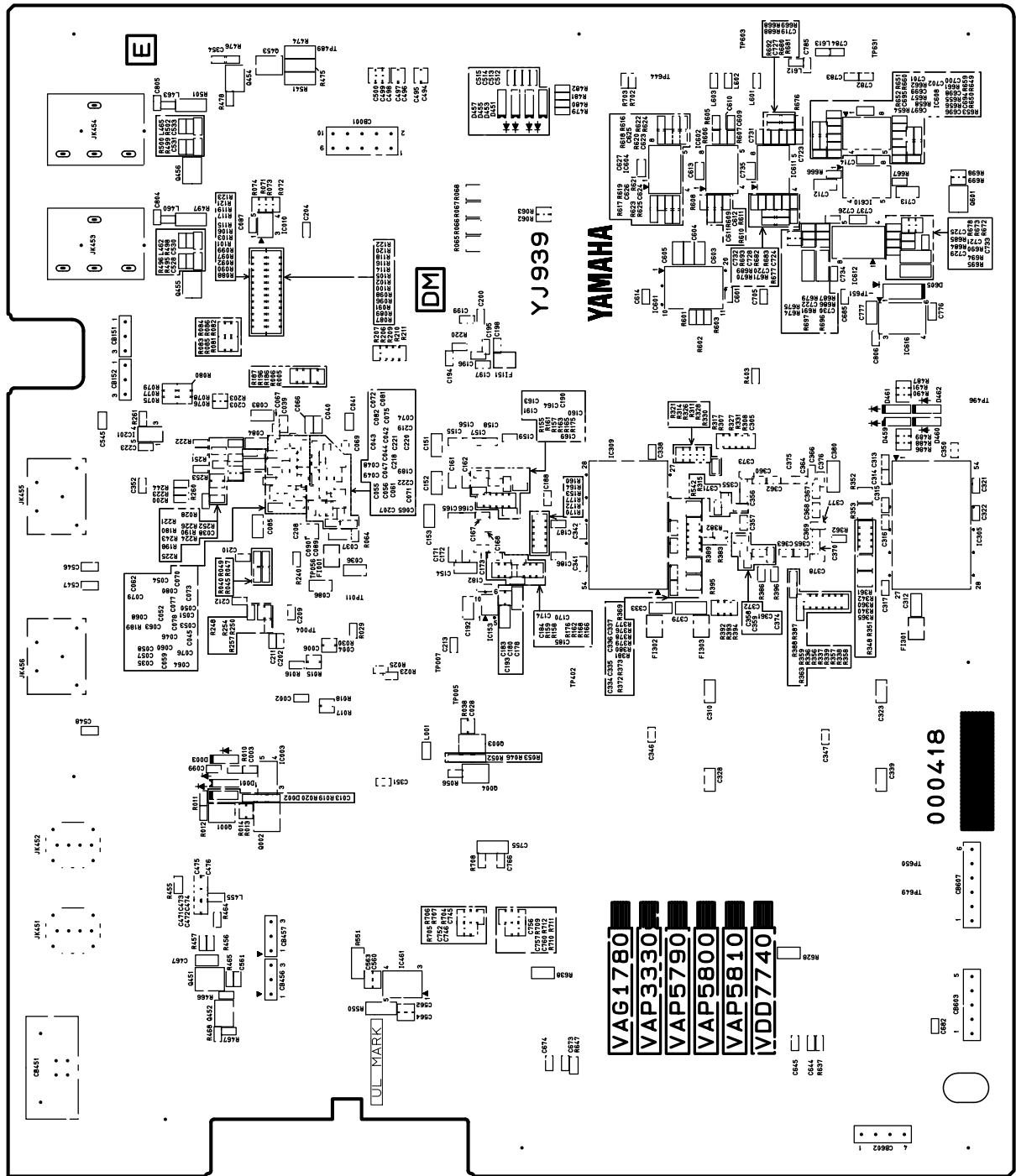
● DMHBS/DMH/DMM Circuit Board

For the settings of SW451 and SW452, please refer to "Table of destination SW" on page 12.



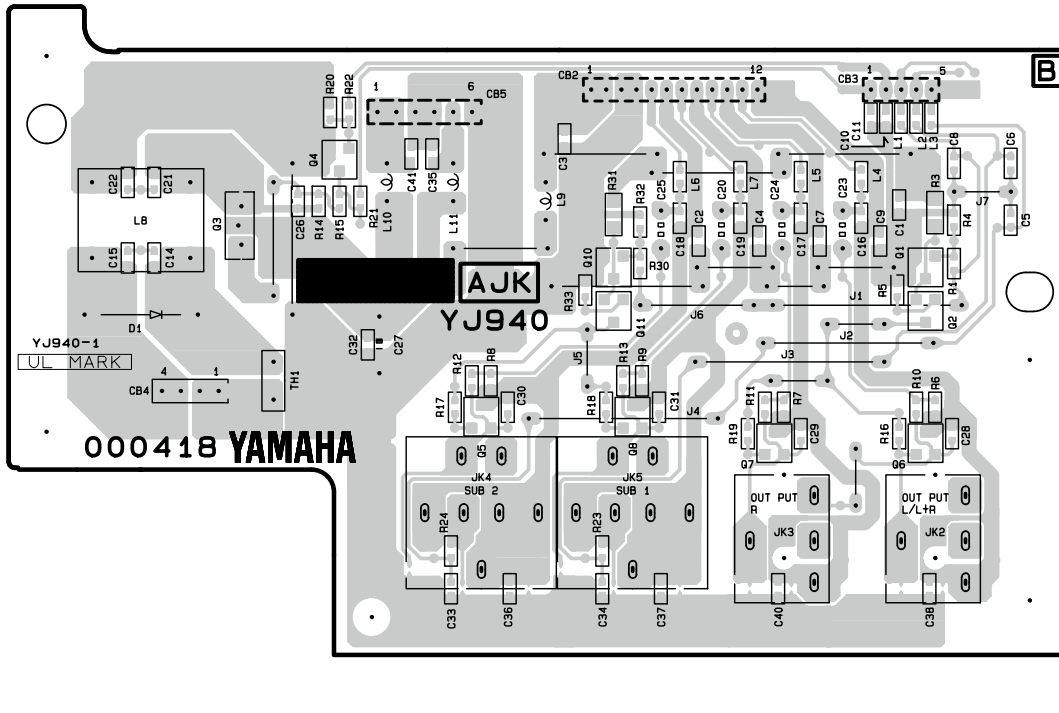
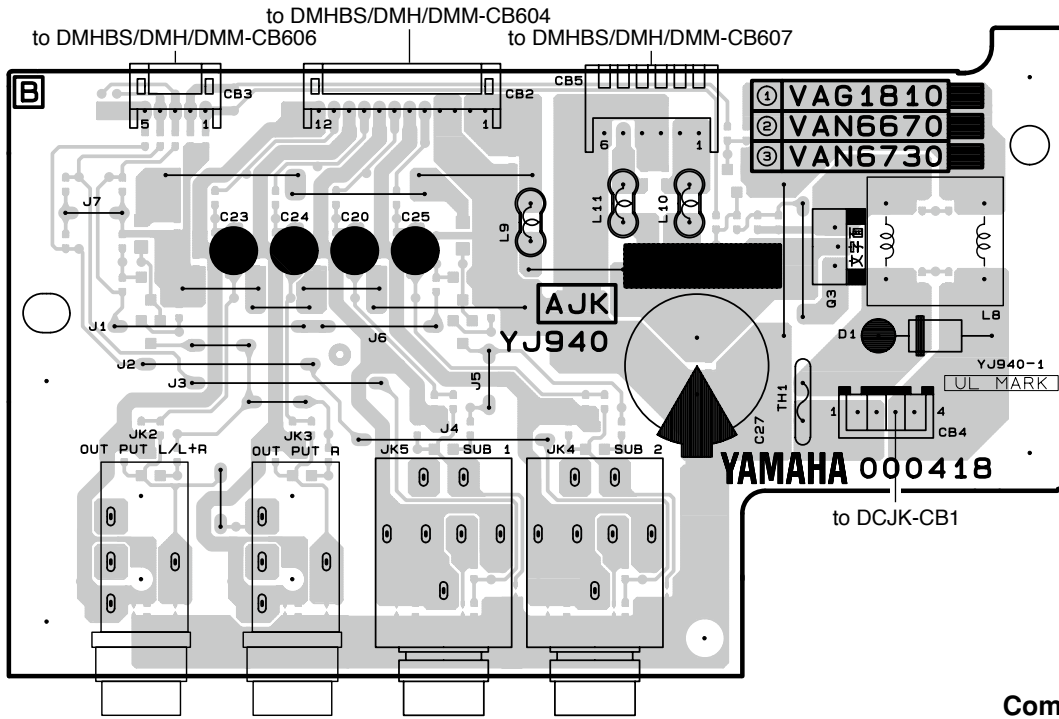
Component side

● DMHBS/DMH/DMM Circuit Board

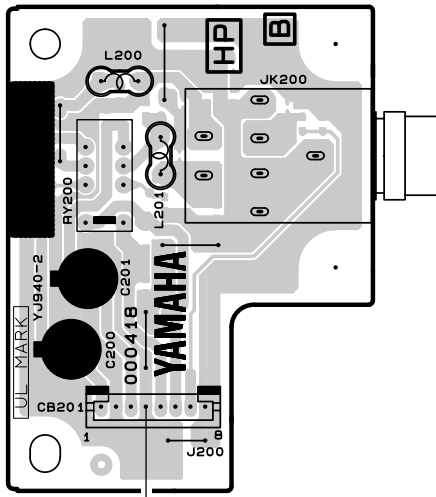


Pattern side

● AJK Circuit Board

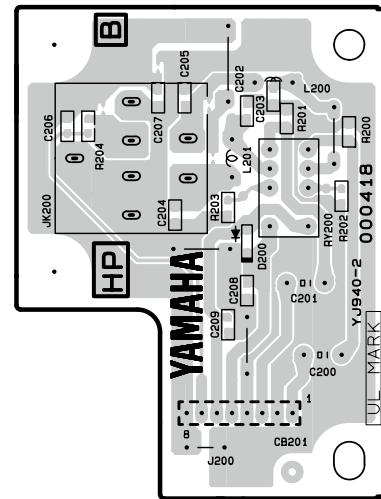


• HP Circuit Board



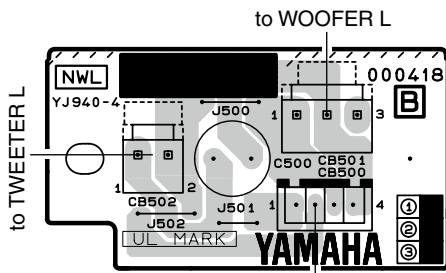
to DMHBS/DMH/DMM-CB605

Component side



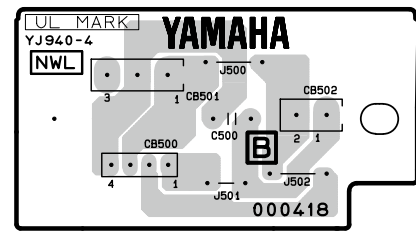
Pattern side

• NWL Circuit Board



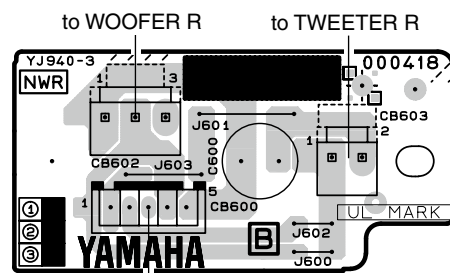
to DMHBS/DMH/DMM-CB602

Component side



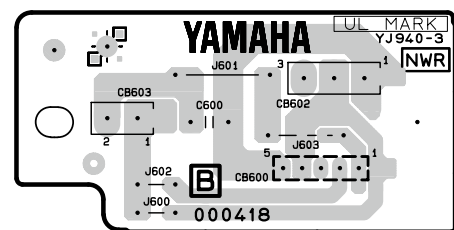
Pattern side

• NWR Circuit Board



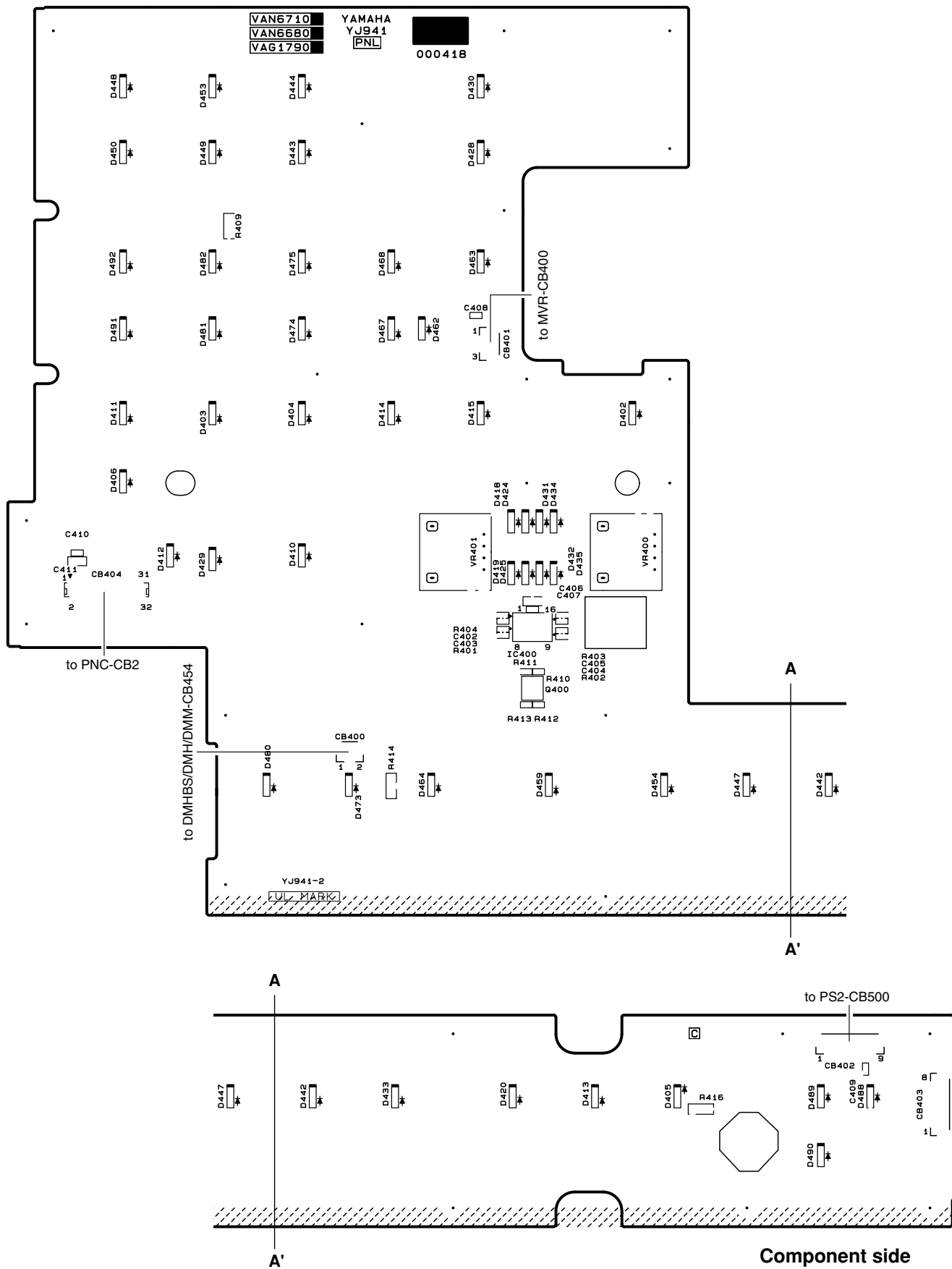
to DMHBS/DMH/DMM-CB603

Component side

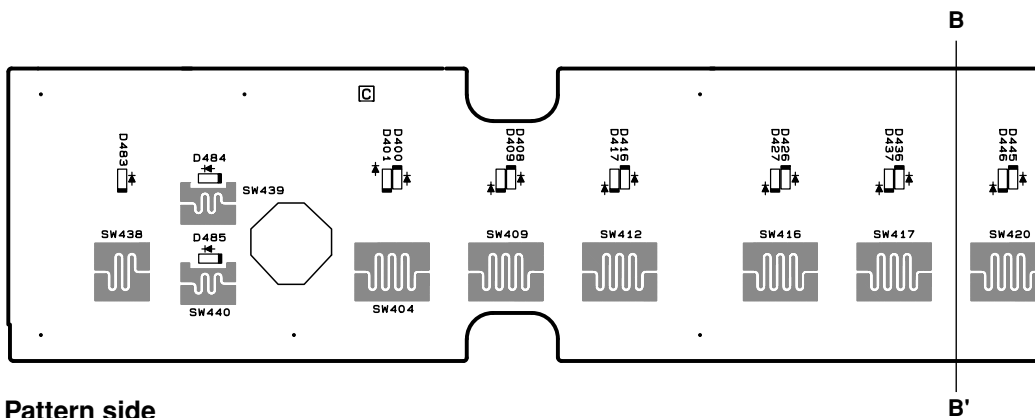
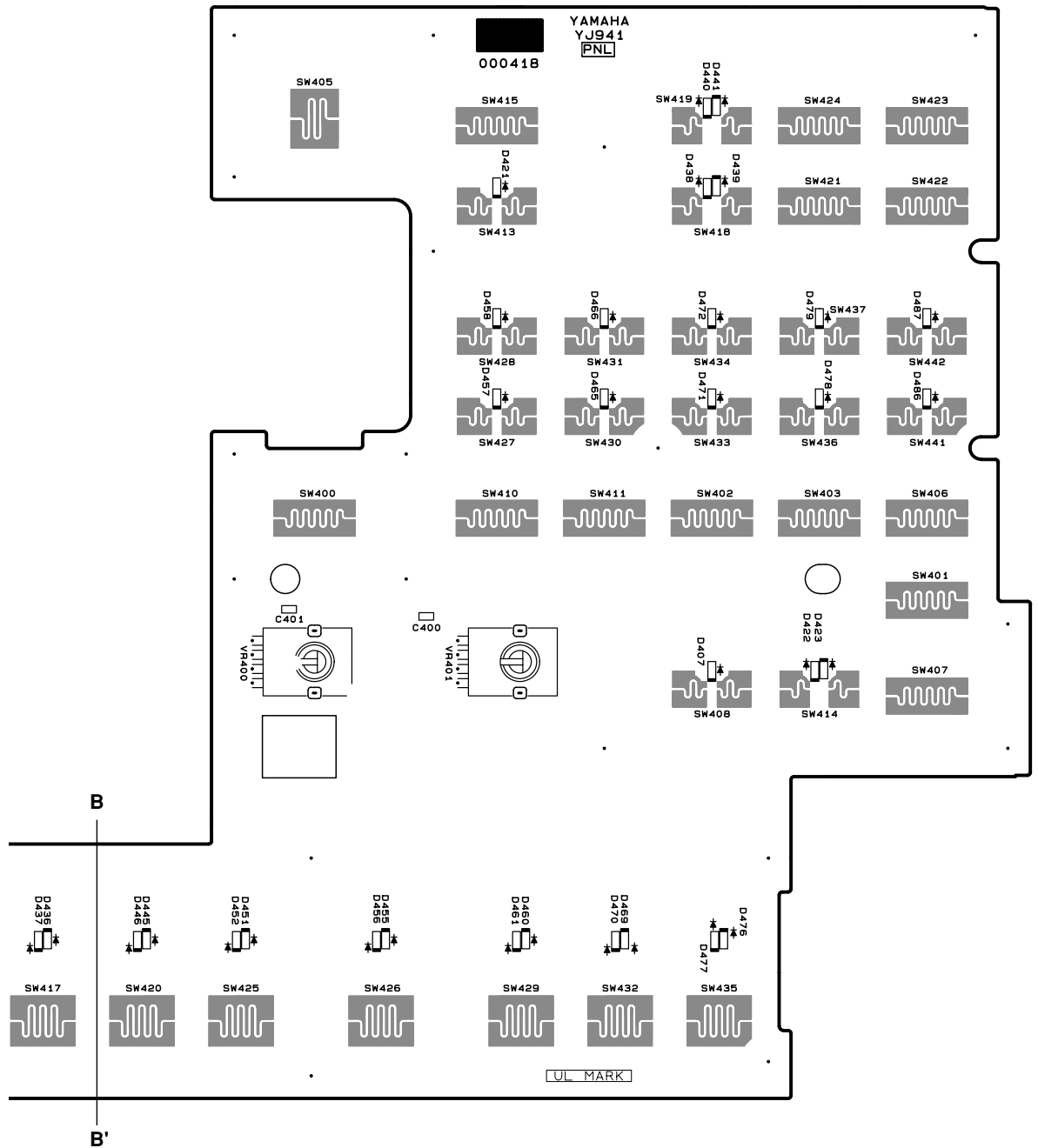


Pattern side

● PNL Circuit Board

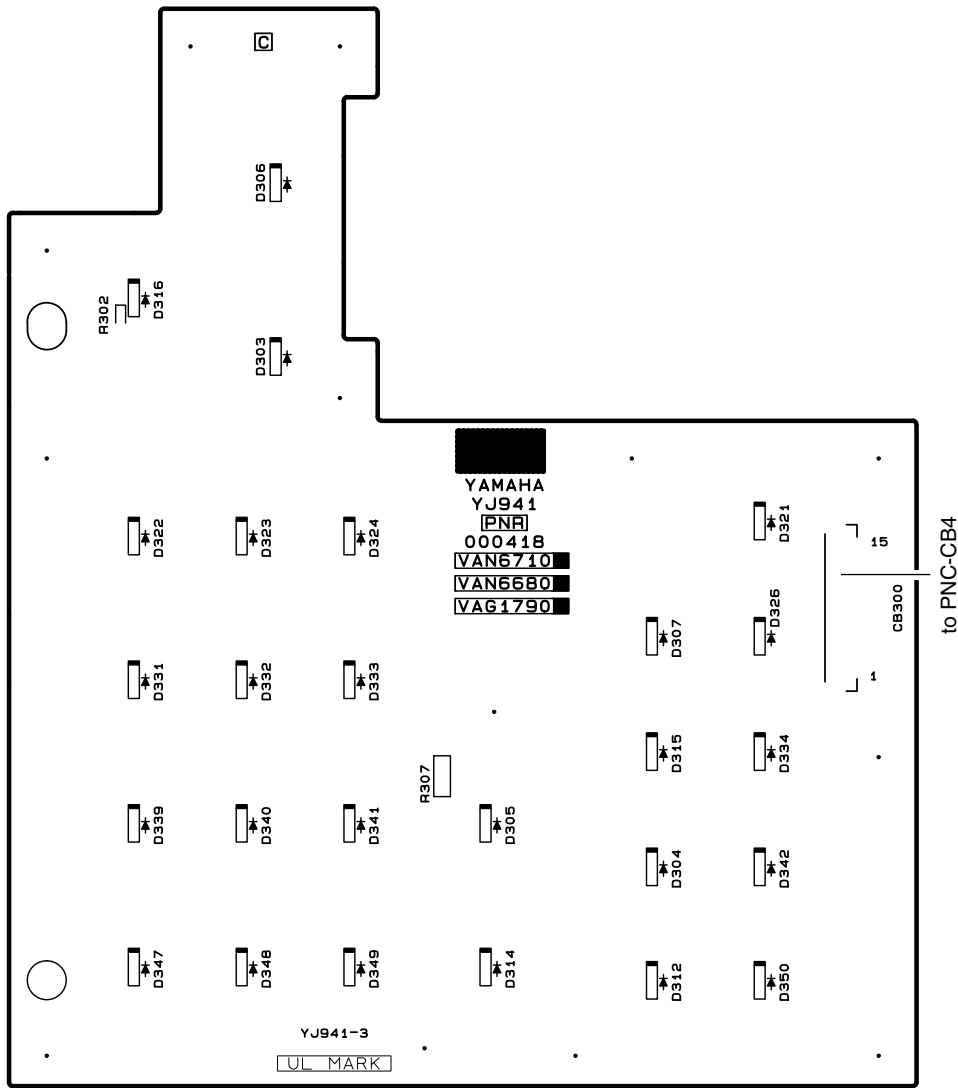


● PNL Circuit Board



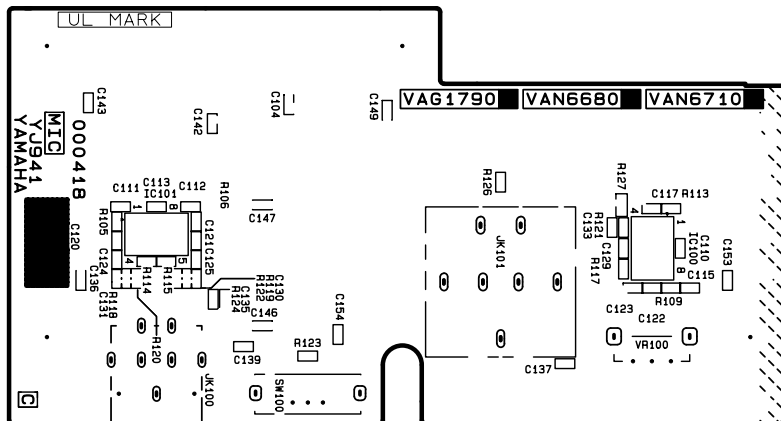
Pattern side

● PNR Circuit Board



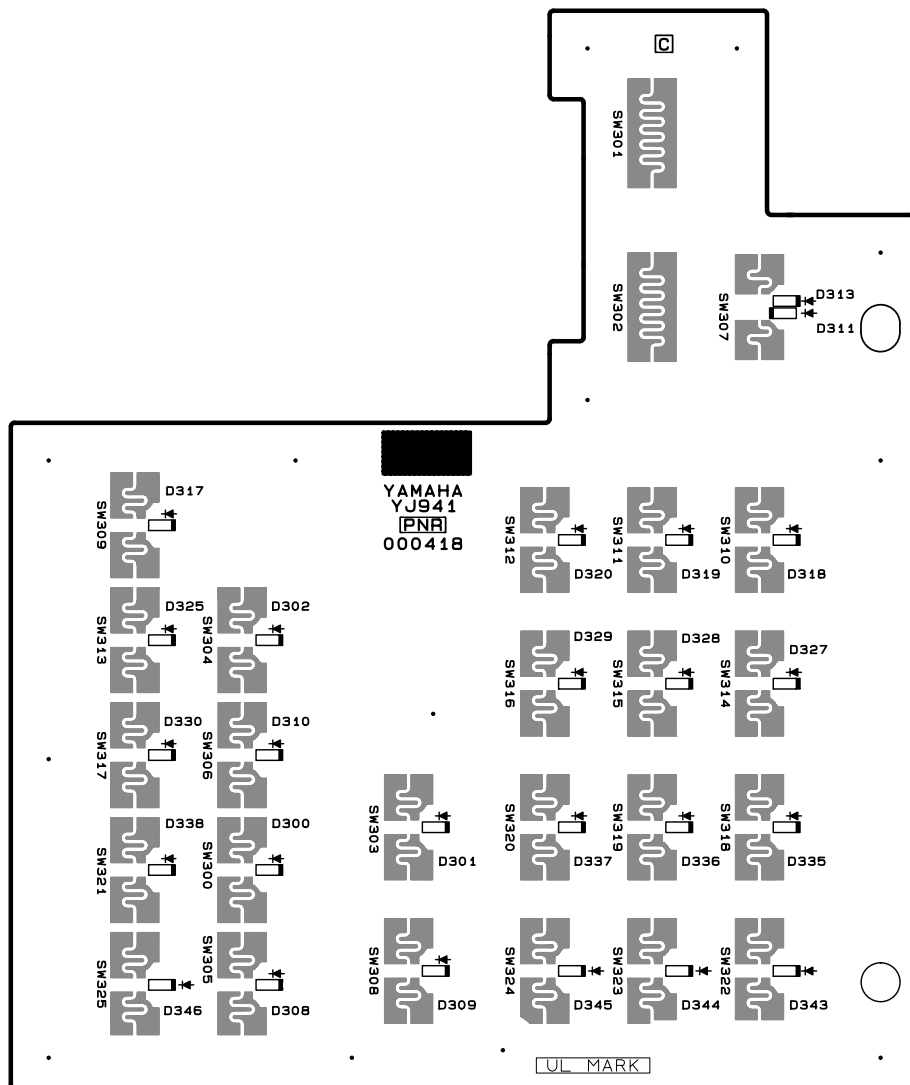
Component side

● MIC Circuit Board



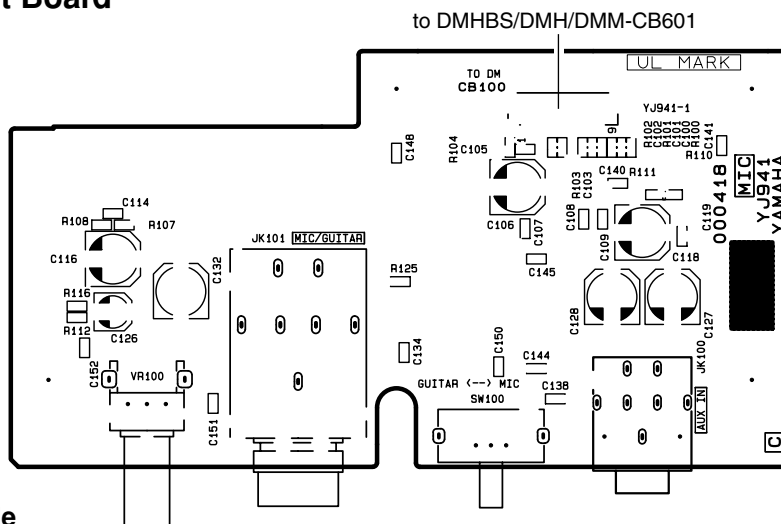
Component side

● PNR Circuit Board



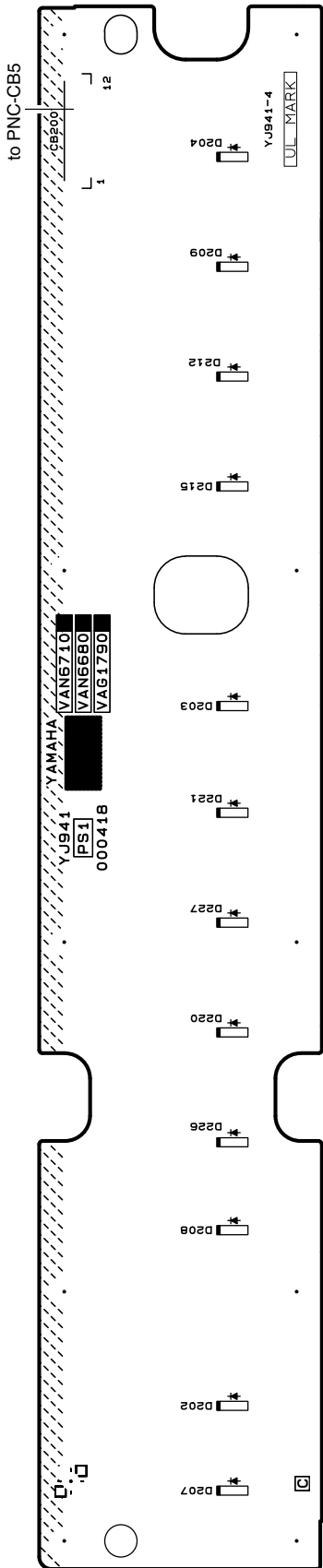
Pattern side

● MIC Circuit Board

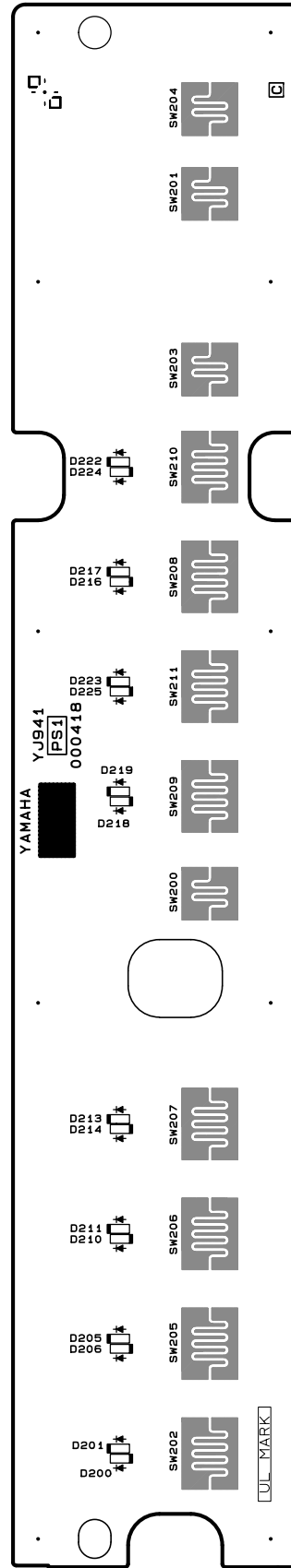


Pattern side

● PS1 Circuit Board

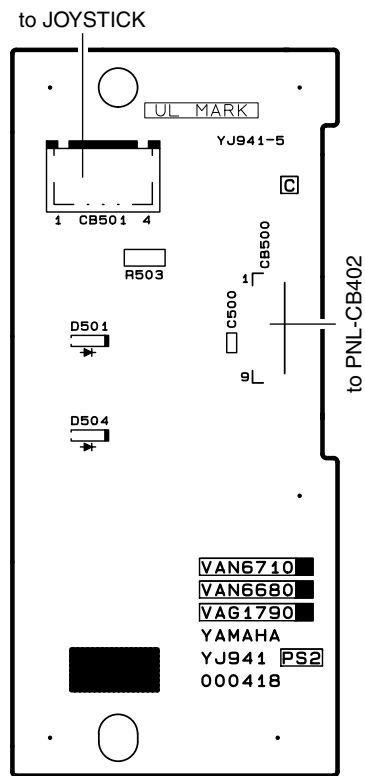


Component side

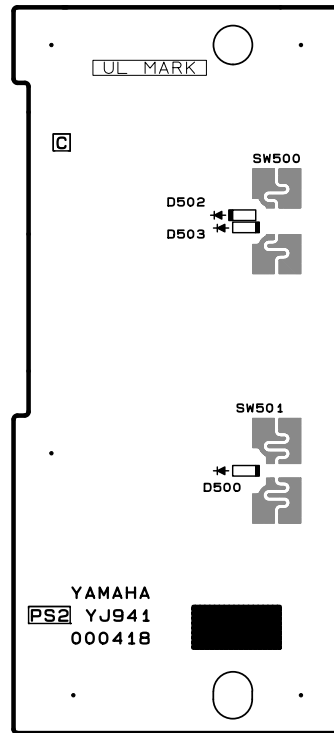


Pattern side

● PS2 Circuit Board

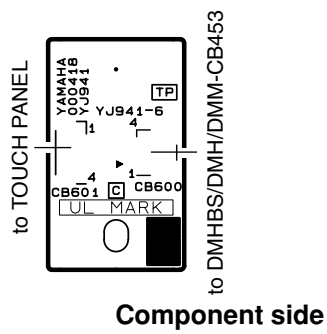


Component side

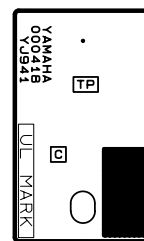


Pattern side

● TP Circuit Board

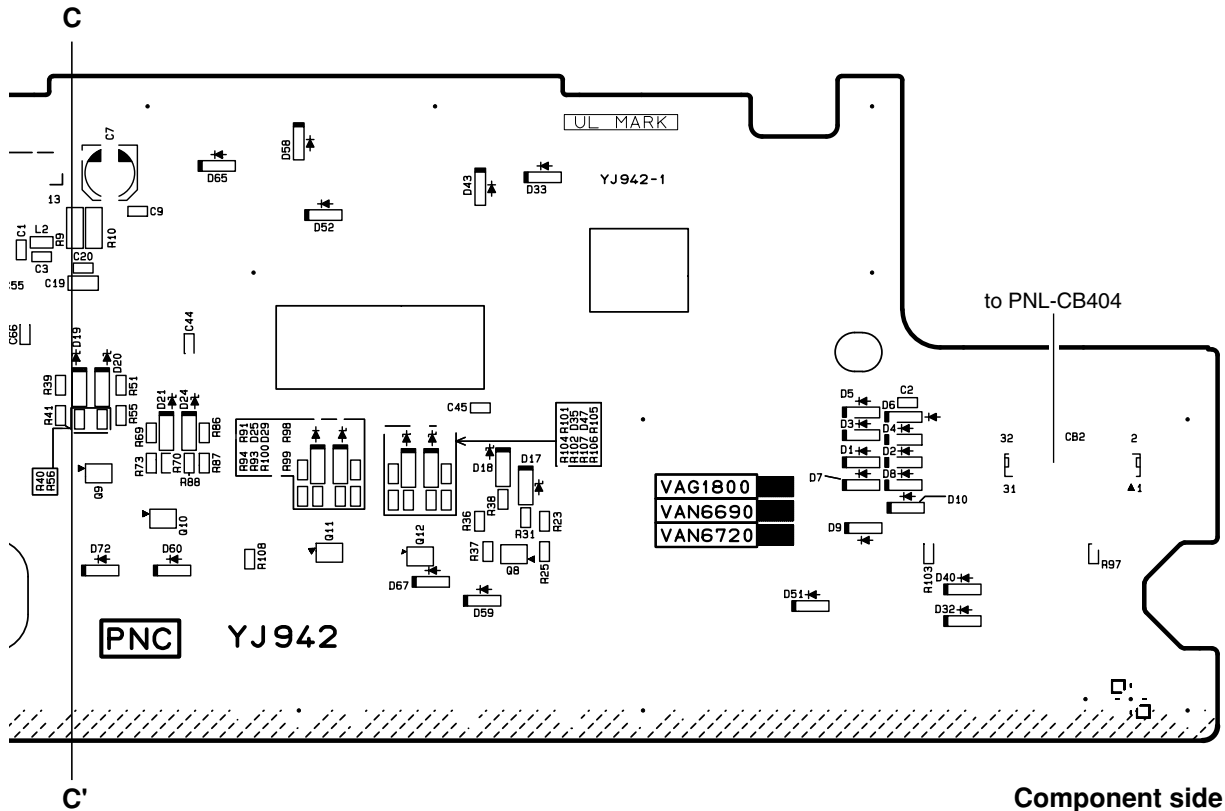
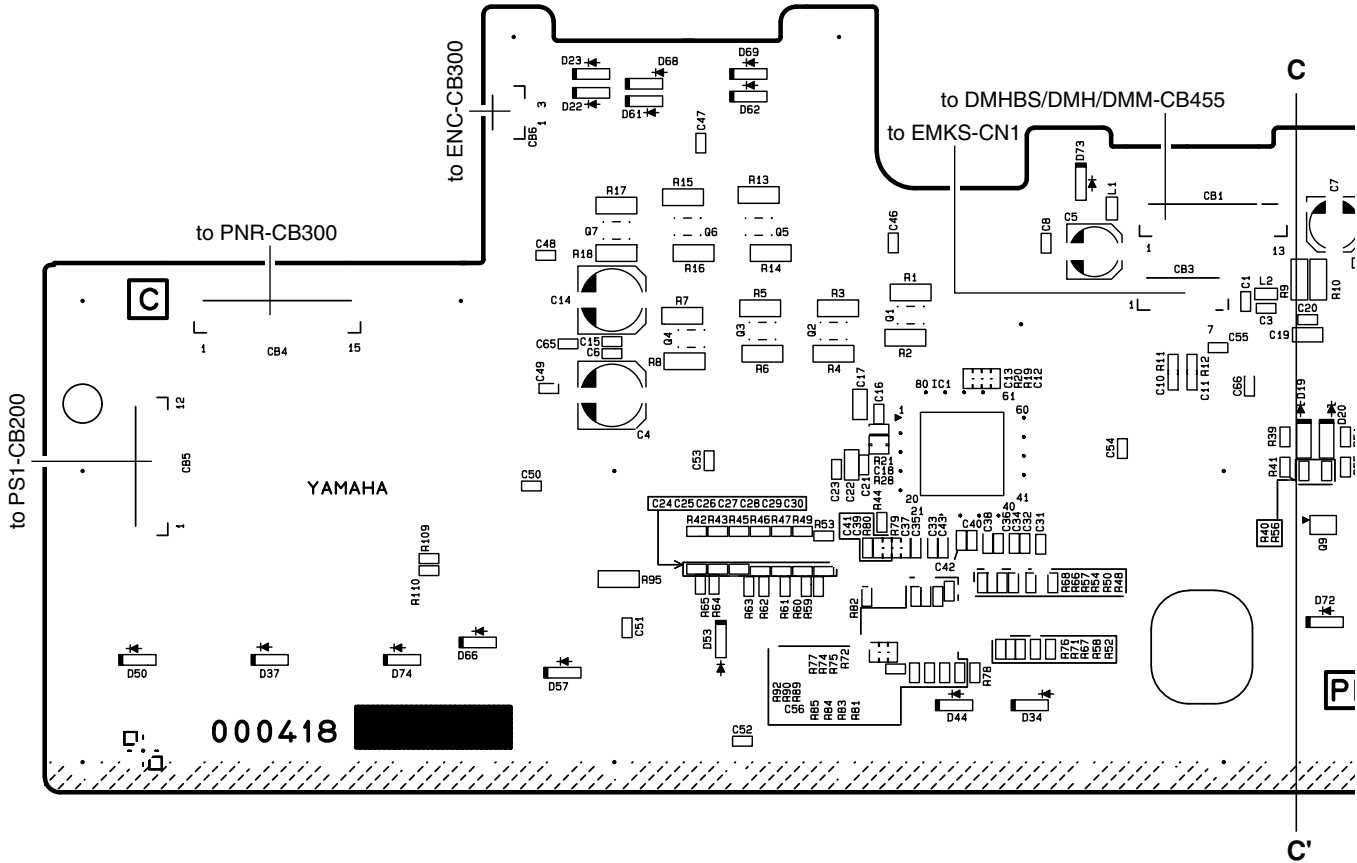


Component side

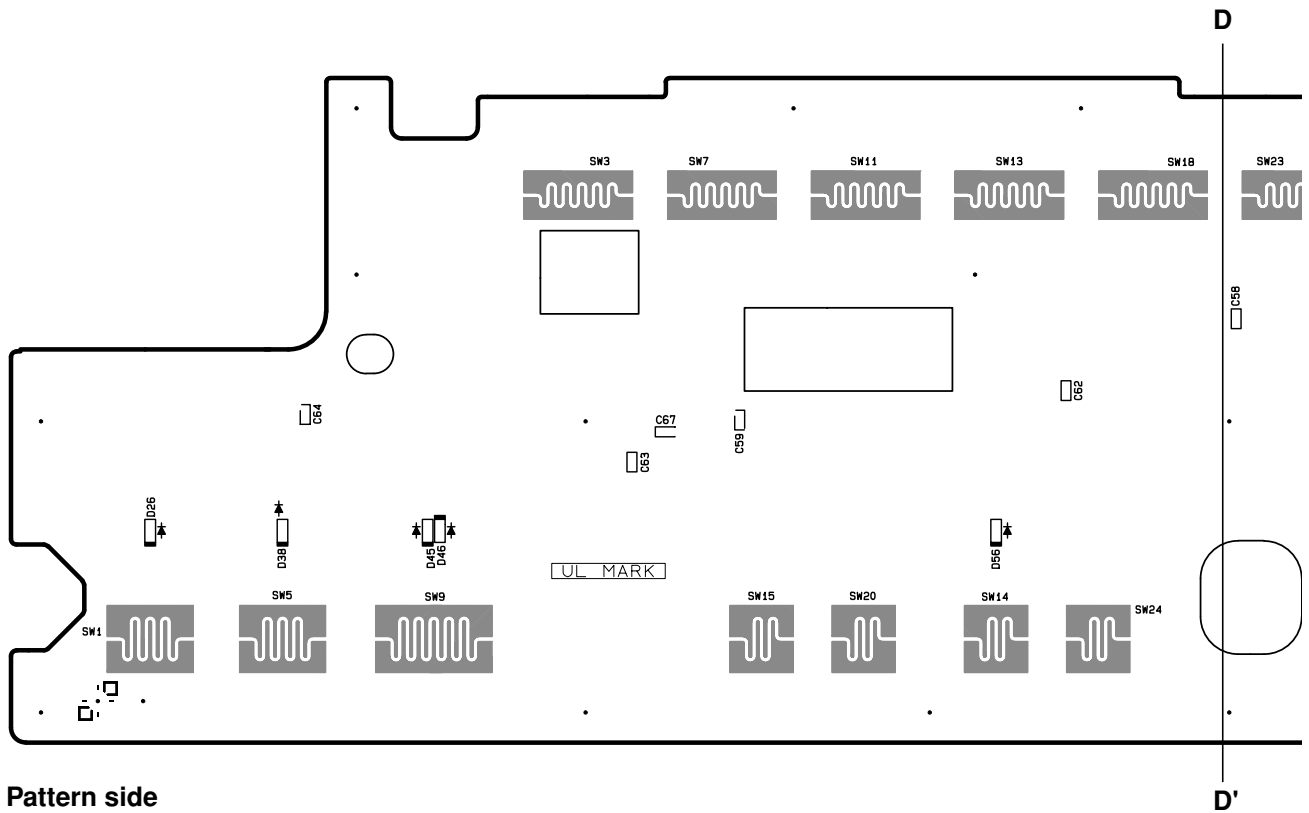
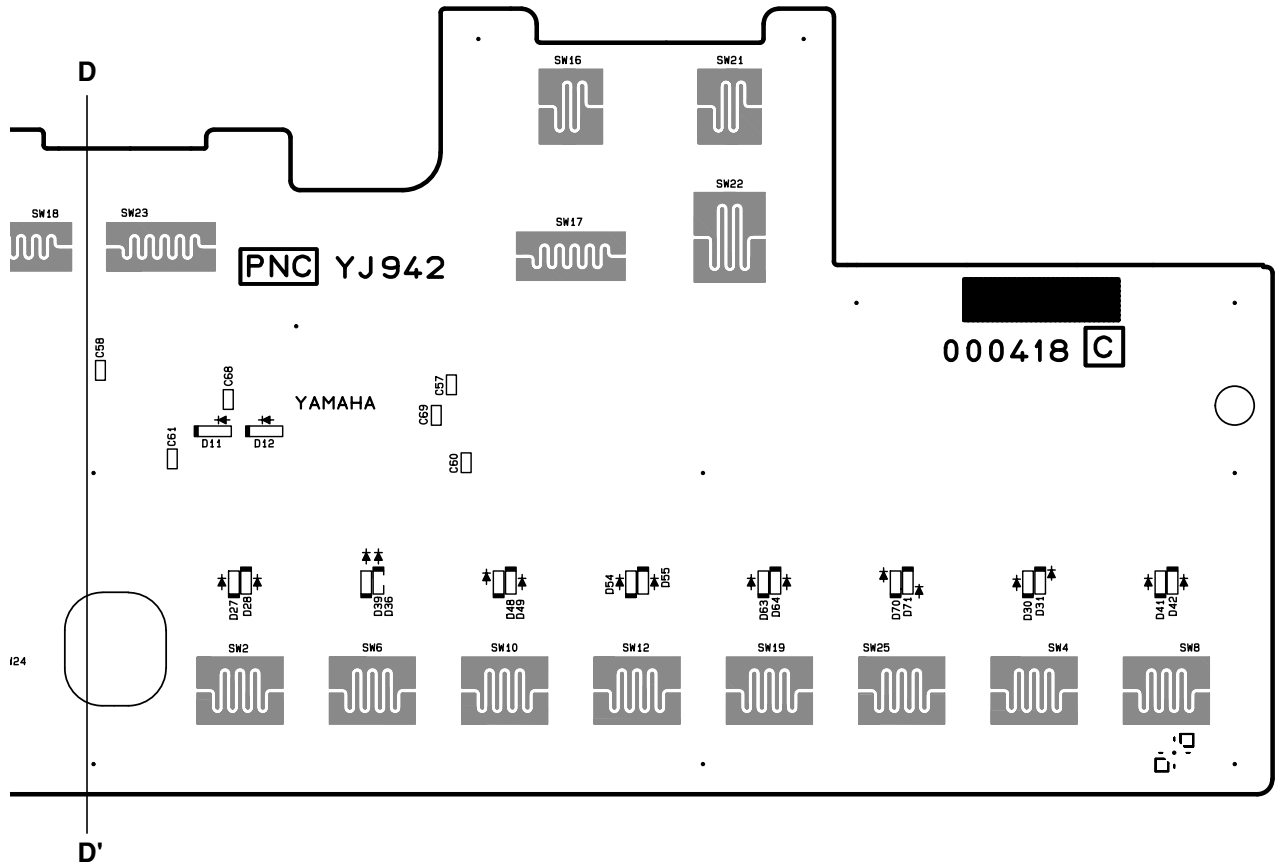


Pattern side

● PNC Circuit Board

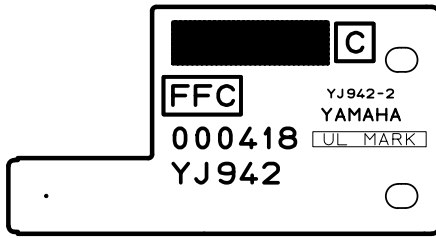


● PNC Circuit Board

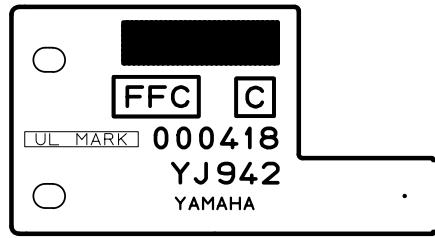


Pattern side

● FFC Circuit Board

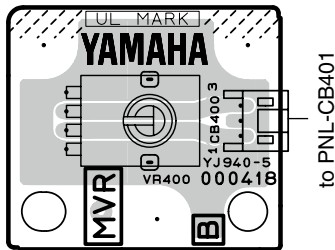


Component side

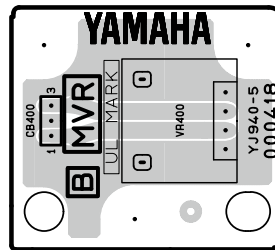


Pattern side

● MVR Circuit Board

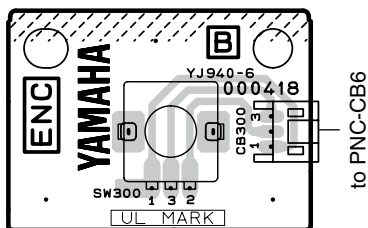


Component side

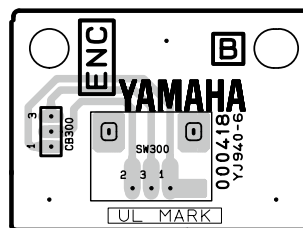


Pattern side

● ENC Circuit Board

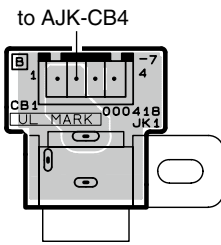


Component side

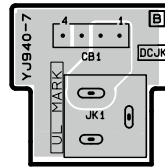


Pattern side

● DCJK Circuit Board

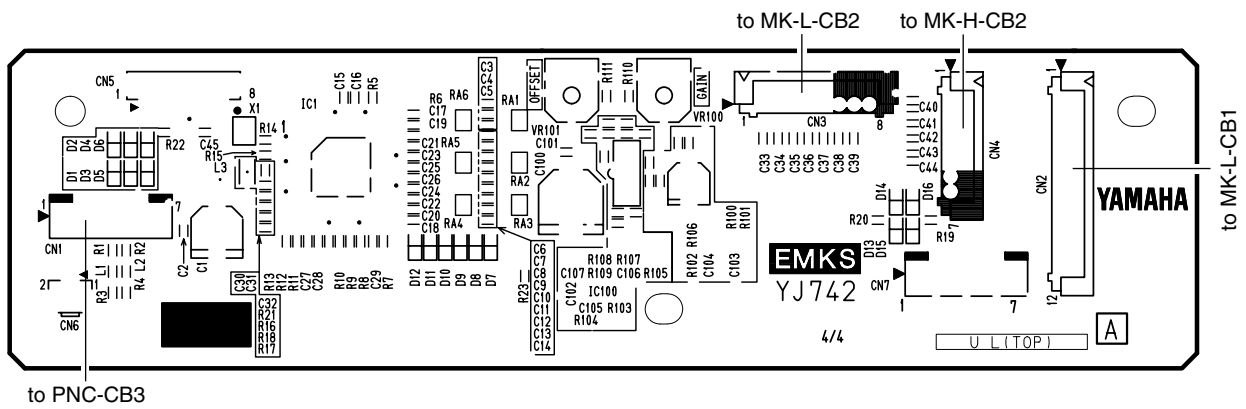


Component side



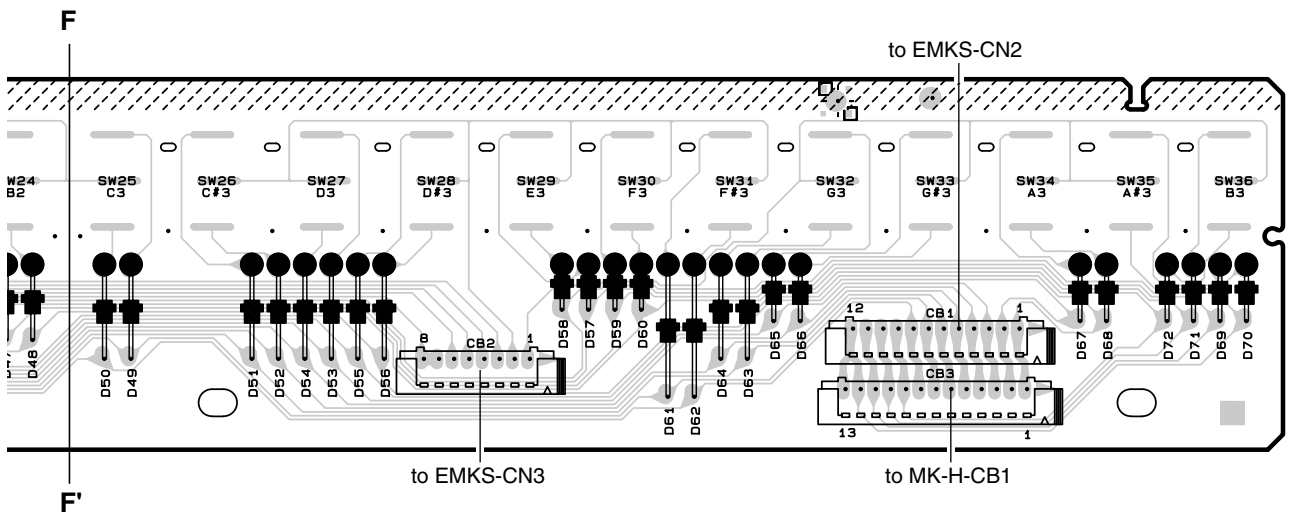
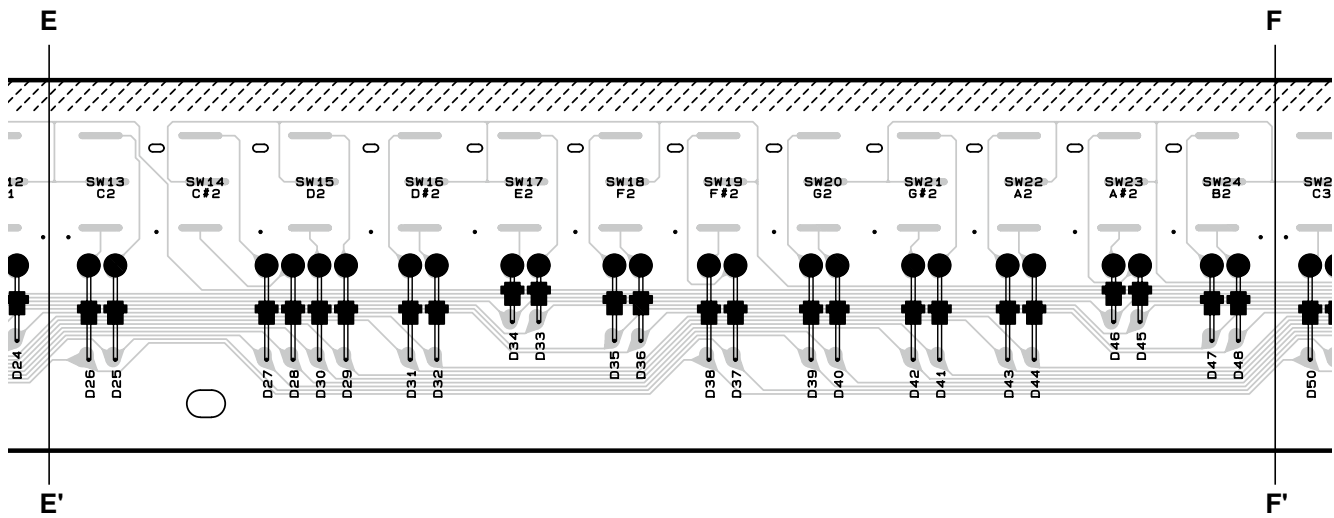
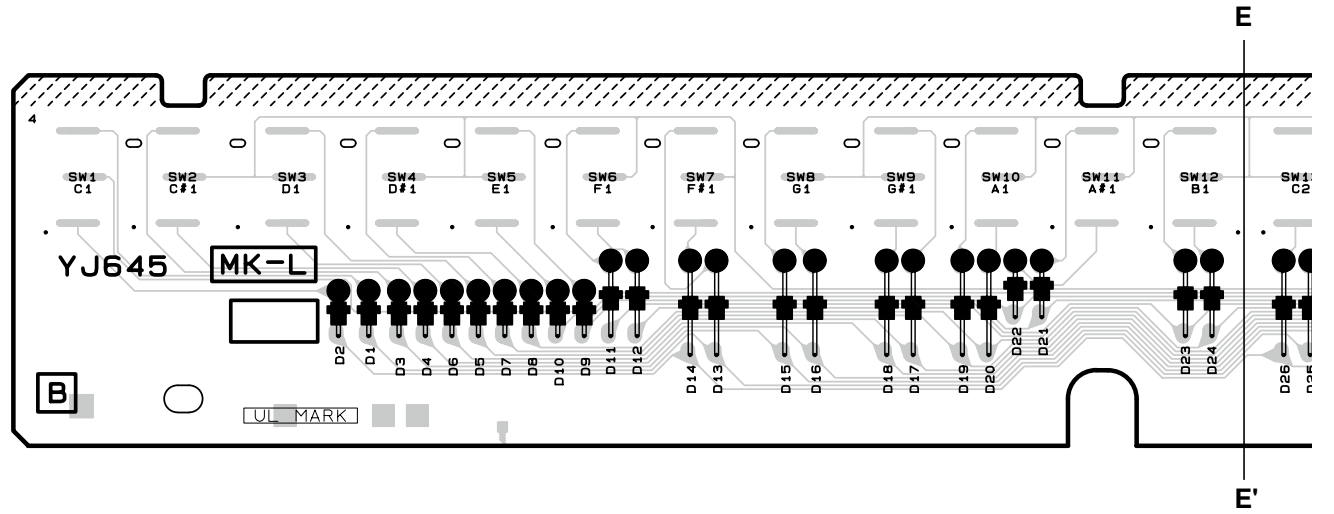
Pattern side

● EMKS Circuit Board



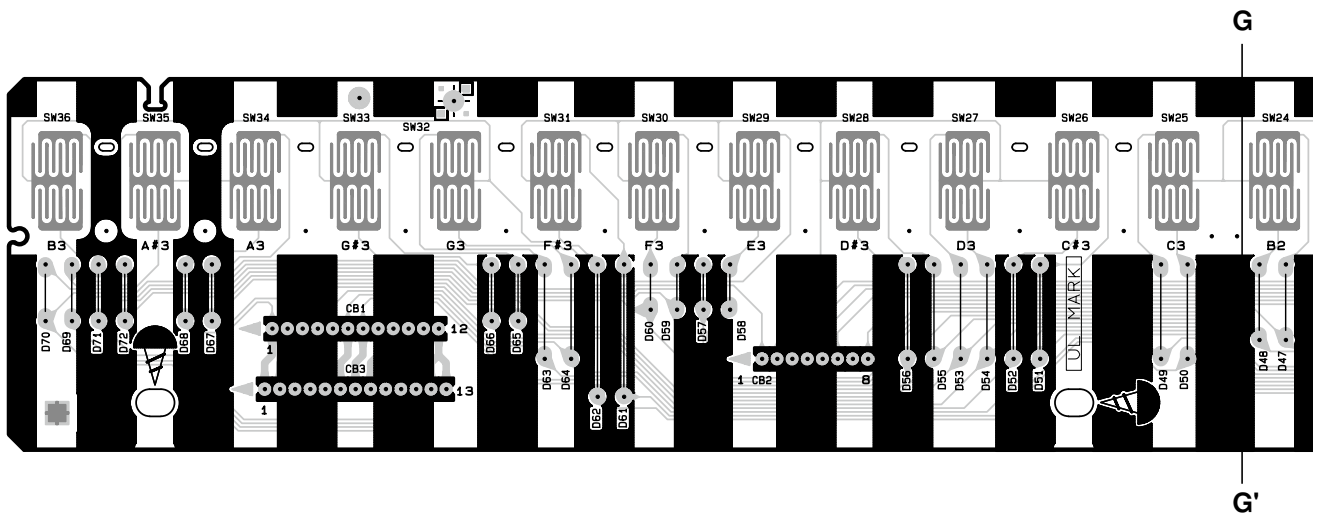
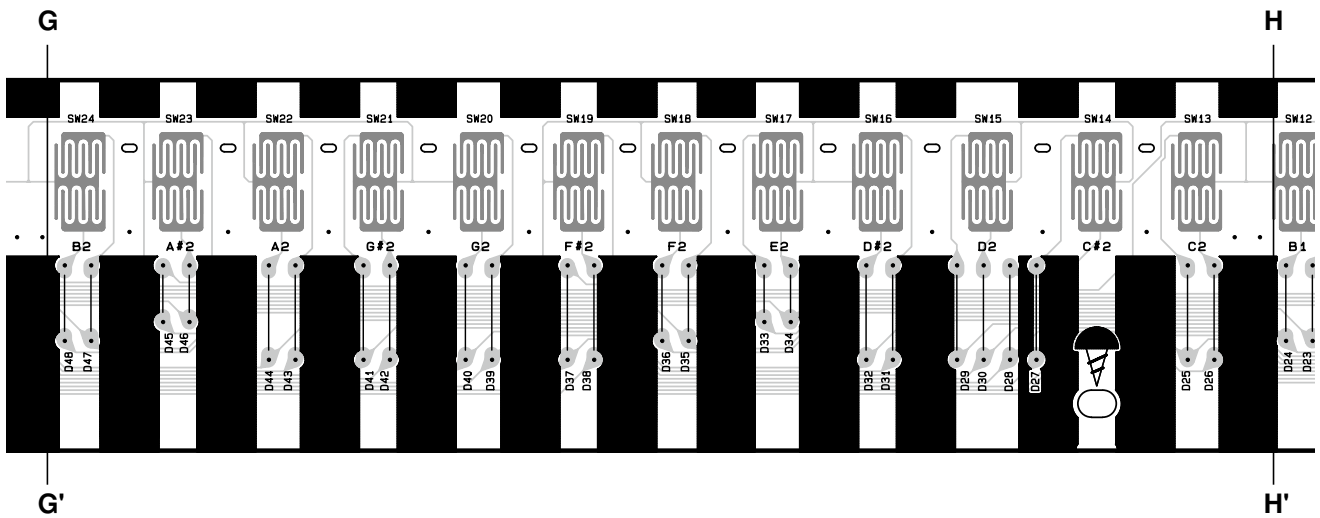
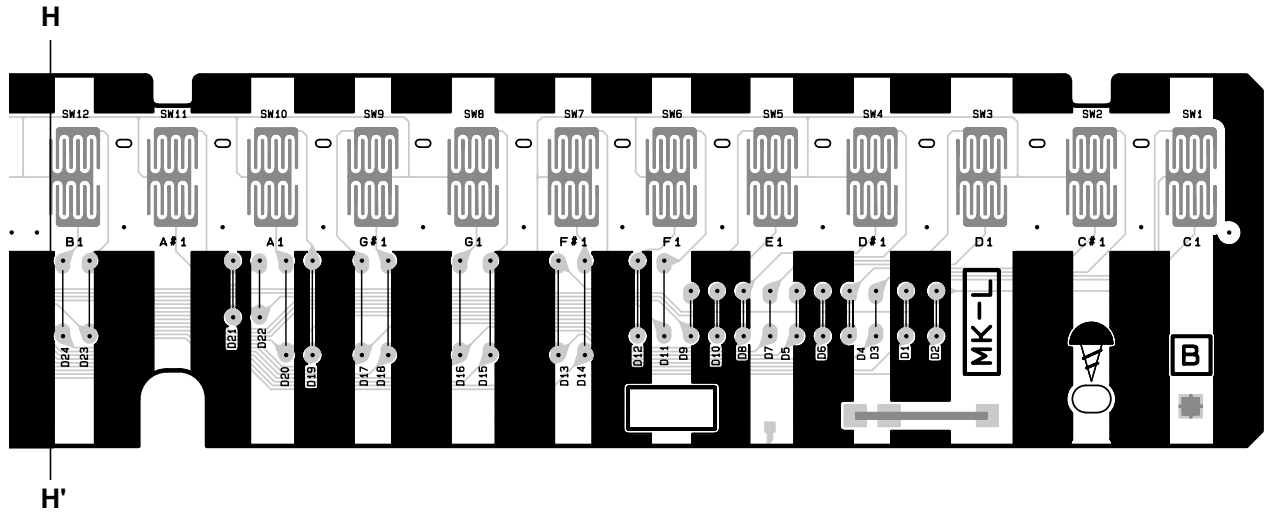
Component side

• MK-L Circuit Board



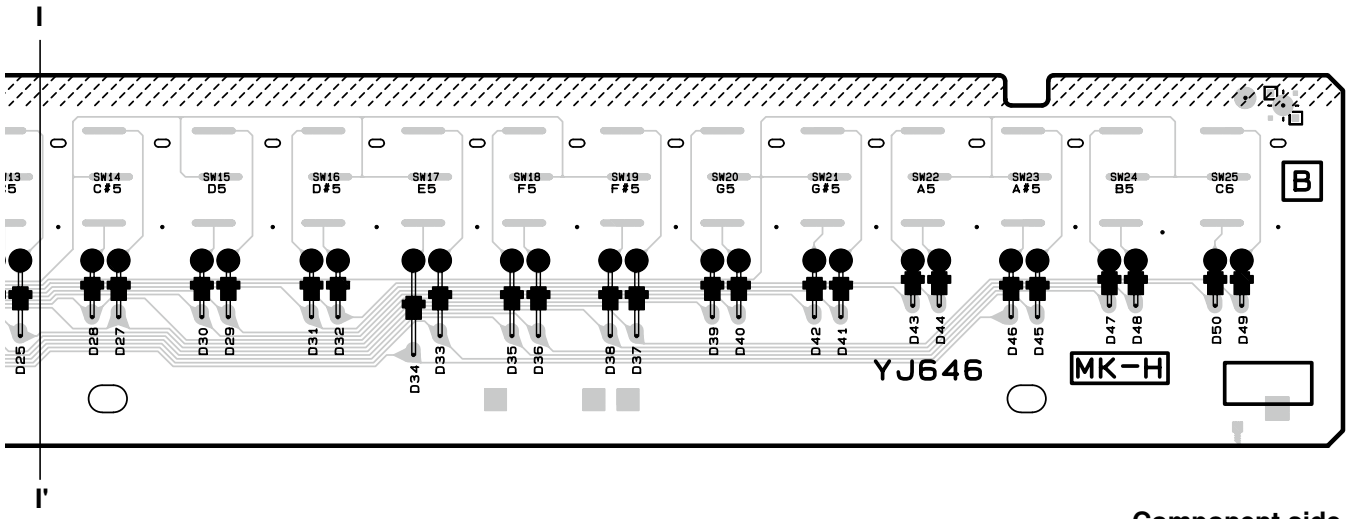
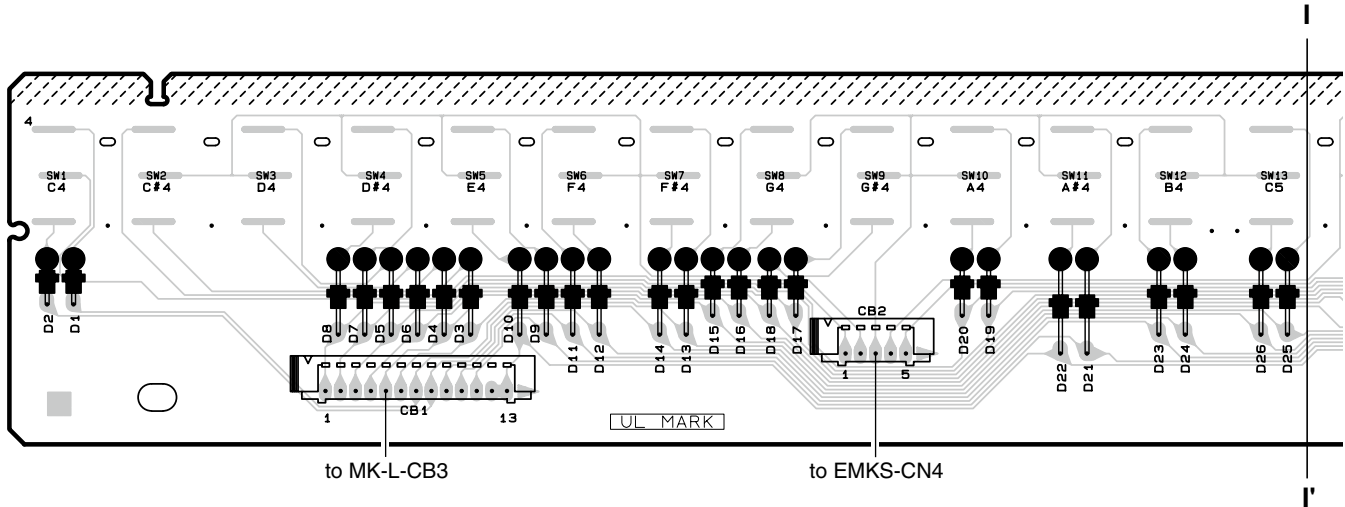
Component side

● MK-L Circuit Board



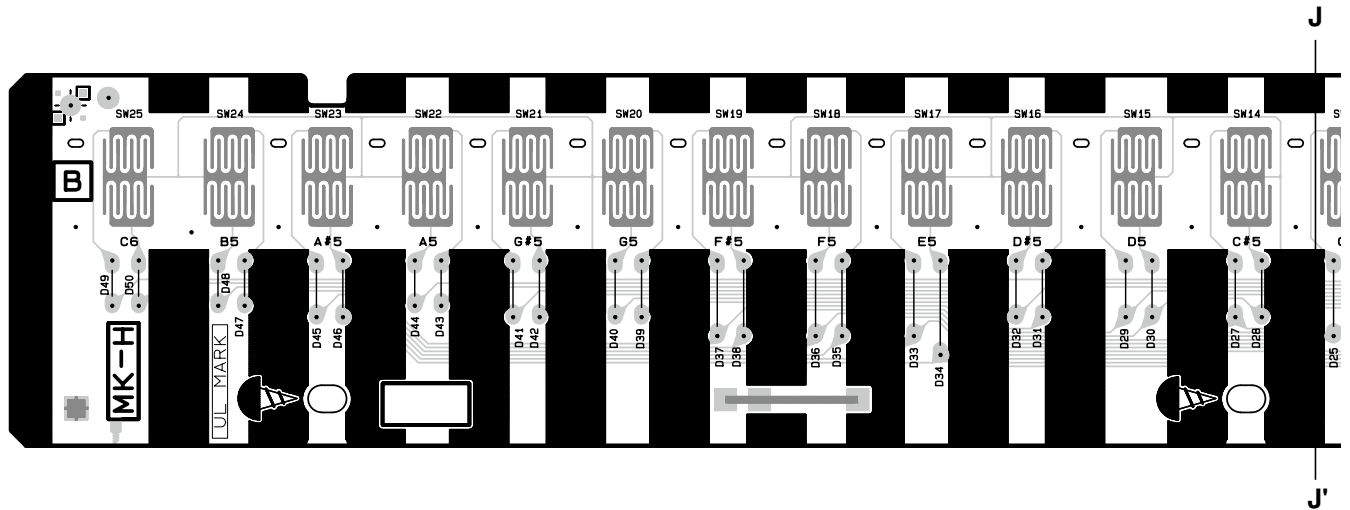
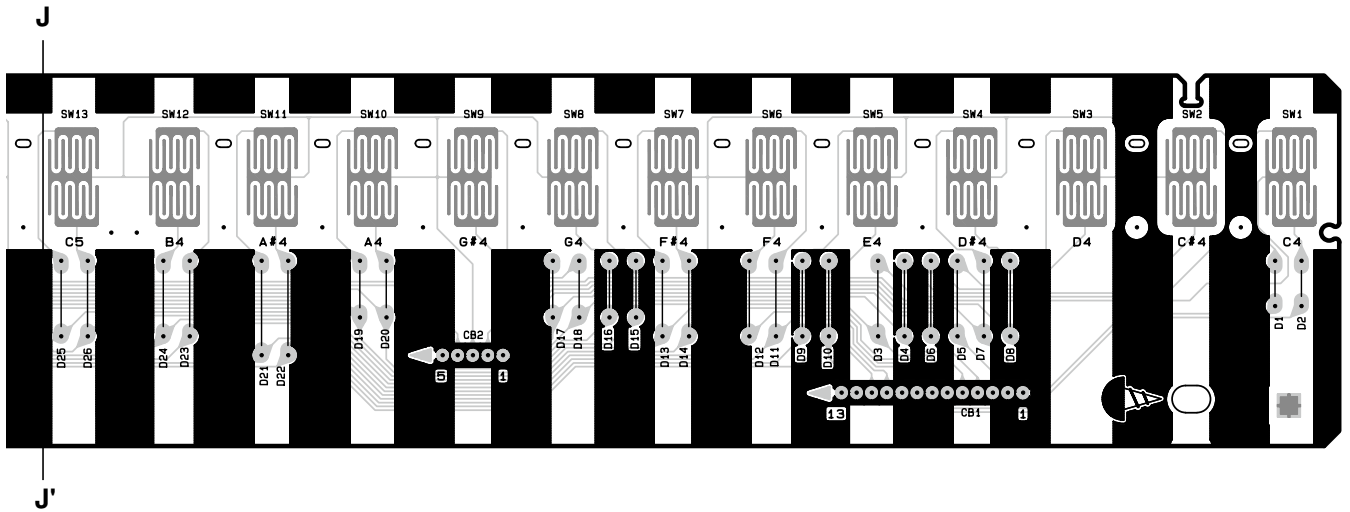
Pattern side

● MK-H Circuit Board



Component side

● MK-H Circuit Board



Pattern side

■ TEST PROGRAM

* If you execute Test No. 64 Factory Set, the setting data and user data will be lost. Be sure to save these data for backup in advance. (See page 63.)

1. Measurement condition

1-1. Environment

Perform tests under following conditions.

Ordinary temperature (5°C to 40°C)

Ordinary humidity (20% to 90%)

If the test results do not meet the specifications, check again the tests under such conditions as the ordinary temperature (5°C to 40°C) and ordinary humidity (30% to 90% relative humidity).

1-2. Power voltage

Use PA-300C for the AC adaptor.

The AC power should be 50Hz or 60Hz and the capacity should be 500VA or more.

The voltage should be $\pm 10\%$ of the rating voltage of the adaptor being used.

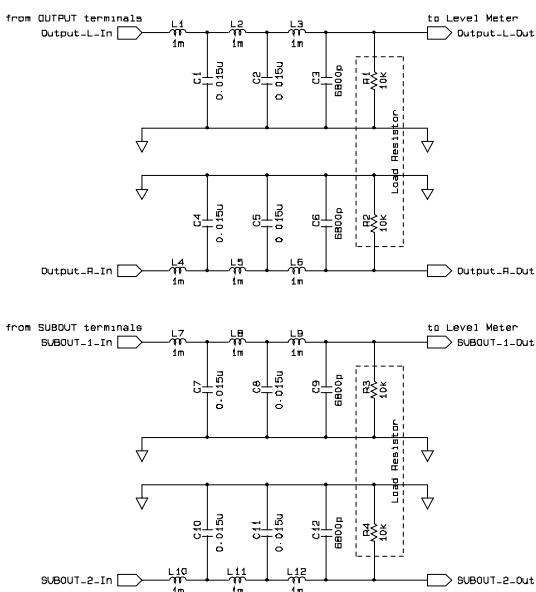
1-3. Measuring instrument

Make sure that the instruments used for inspections have enough accuracy and precision.

Use the instruments with more than 1M-ohms input impedance.

- Level meter (using JIS-C filter)
- Frequency counter (should be capable of measuring to three places of decimals)
- Oscilloscope
- Oscillator

When taking measurements, connect the passive Low Pass Filter to the [OUTPUT] and [SUBOUT] jacks. (To eliminate the effect of the out-of-audible band noise occurring in DAC).



1-4. Test jig

Following jigs are required for testing.

- MIDI cable
- USB cable (A-B type)
- USB flash drive (with operation described in Home Page confirmed)
- Foot controller (FC7)
- Stereo mini-plug cable (for AUX IN)
- Monaural phone plug cable (for MIC/GUITAR INPUT jack)

1-5. Terminal condition

Measure the values at the PHONES jack by using a stereo plug unless otherwise specified.

PHONES :	Install a stereo plug (L/R ch: 33-ohms load)
AUX IN :	Install a stereo mini plug
MAIN OUTPUT :	Install a monaural plug ([L/L+R]/[R] ch: 10k-ohms load)
SUB (AUX) OUTPUT :	Install a monaural plug ([1 (L/L+R)]/[2 (R)] ch: 10k-ohms load)

1-6. Control condition

Unless otherwise specified, set control knobs as follows. Set others in the default state by turning on the power.

MASTER VOLUME :	Max
-----------------	-----

1-7. Measurement unit

The analog level unit is 0 dBu = 0.775 Vrms

2. Test mode

2-1. Starting Up Test mode

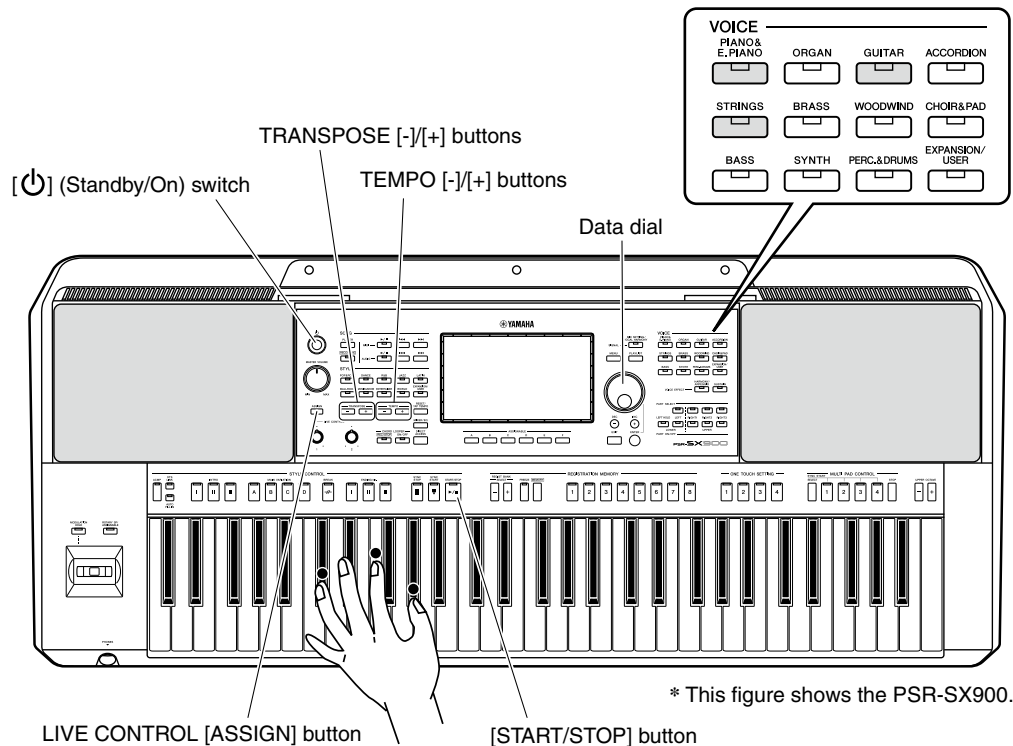
There are two methods to start up the Test mode.

Method 1

- 1) While pressing keys [C#2], [F2], [G#2] (C#2 major chord) simultaneously, turn on the [⏻] (Standby/On) switch.
- 2) When Test mode is started successfully, "TEST" is shown on the LCD.

Method 2

- 1) While pressing the buttons [PIANO&E.PIANO], [GUITAR] and [STRINGS] simultaneously, turn on the [⏻] (Standby/On) switch.
- 2) When Test mode is started successfully, "TEST" is shown on the LCD.



* This figure shows the PSR-SX900.

2-2. Selection/execution of Test items

- 1) Select an item with the TEMPO [-]/[+] buttons or Data dial.
 - * *When selecting a test item, the first item (No. 001) can be switched to the last item (No. 065) by pressing the TEMPO [-] button or turning the Data dial counterclockwise. Similarly, the last item (No. 065) can be returned to the first item (No. 001) by pressing the TEMPO [+] button or turning the Data dial clockwise.*
- 2) Press the [START/STOP] button to execute the test item. For details, refer to the explanation page for each Test Program item.

2-3. If the test result shows “OK”

To return to the display of test item selection, press the [START/STOP] button.

- * *Test item the result of which was OK is shown with an asterisk (*) at the left of the name.*

2-4. If the test result shows “NG”

To return to the display of test item selection, press the LIVE CONTROL [ASSIGN] button or the lowest key.

3. Test program list

LCD display	Test items and judging conditions
001 : Version	<p>Indicates the model name, designated country information and each ROM version (*.**).</p> <p>1) Press the [START/STOP] button, and the versions are shown on the LCD.</p> <p>PSR-SX700</p> <p>Model Name : PSR-SX700 (*1) Main ROM : *.* * Wave ROM : *.* * Hardware ID : * * * * * * * * * * Expansion : installed *2</p> <p>Confirm that an 11 digit alphanumeric is shown.</p> <p>PSR-SX900</p> <p>Model Name : PSR-SX900 (*1) Main ROM : *.* * Wave ROM : *.* * Hardware ID : * * * * * * * * * * Expansion : installed *2</p> <p>Confirm that an 11 digit alphanumeric is shown.</p> <p>*1 Confirm the destination of the product corresponds with the display of it. The detail of the destination is as either of follows. (INA) : Indonesia (VN) : Vietnam (E) : the Others</p> <p>*2 After replacing the DMHBS/DMH/DMM circuit board, if the test program “063: Local Contents write” is not executed, “not installed” is shown on the LCD.</p> <p>2) Press the [START/STOP] button to exit the TEST item.</p>

LCD display	Test items and judging conditions
002 : Memory Check1 All	Executes the simplified check of all the memories (test No. 003 to 006) at one time. (It will take about 5 seconds.) <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. OK: OK NG: The same message will be shown as tests No. 003 to 006. 2) Confirm that “OK” is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item. If the result is OK: tests No. 003 to 006 can be skipped. If the result is NG: the test stops when first detecting NG is found. To check details, execute the tests from No. 003 to 006.
003 : ROM Check1	Executes the simplified check of the ROM connected to the CPU bus. <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. OK: OK NG: MAIN ROM (IC * * *) NG 2) Confirm that “OK” is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item.
004 : Wave ROM Check1	Executes the simplified check of the Wave ROM. (It will take about 5 seconds.) <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. OK: OK NG: Wave1 (IC * * *, * * *) NG 2) Confirm that “OK” is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item.
005 : Wave RAM Check1	Executes the simplified check of the Wave RAM. <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. OK: OK NG: Wave RAM1 (IC * * *) NG 2) Confirm that “OK” is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item.
006 : Effect RAM Check1	Executes the simplified check of the Effect RAM. <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. OK: OK NG: Effect1 TG1 (IC * * *) NG Effect2 TG2 (IC * * *) NG 2) Confirm that “OK” is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item.
007 : IRQ Check	Checks the IRQ/DREQ wiring between the CPU and SWP70. <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. OK: OK NG: NG (IRQ *) 2) Confirm that “OK” is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item.
008 : Pitch Check	Checks the pitch. <ol style="list-style-type: none"> 1) Connect the frequency counter to the PHONES jack at either L or R. 2) Set the [MASTER VOLUME] dial to the maximum position. 3) Press the [START/STOP] button to produce the A3 sine wave sound. 4) Measure the frequency and confirm that the measured value is 440.9Hz ± 0.2Hz. 5) Press the [START/STOP] button to stop the sound and to exit the TEST item.

LCD display	Test items and judging conditions
009 : Output R Check	<p>Checks each output level from the R channel of the jacks.</p> <ol style="list-style-type: none"> 1) Connect the level meter to an output jack. 2) Set the [MASTER VOLUME] dial to the maximum position. 3) Press the [START/STOP] button to produce the C5 sine wave sound. 4) Measure the output level and confirm that the measured values are within the specified range. [PHONES] (33Ω load) PHONES L: -63.0 dBu or less PHONES R: -6.4 ± 2 dBu [MAIN OUTPUT] (10kΩ load) L/L+R: -61.2 dBu or less R: -1.2 ± 2 dBu <p><i>* When the plug is disconnected from the MAIN OUTPUT R jack, the sound is produced from MAIN OUTPUT L/L+R jack.</i></p> <p><i>* When disconnecting the plug from the PHONES jack, the sound is produced from the speaker.</i></p> <ol style="list-style-type: none"> 5) Press the [START/STOP] button to stop the sound and to exit the TEST item.
010 : Output L Check	<p>Checks each output level from the L channel of the jacks.</p> <ol style="list-style-type: none"> 1) Connect the level meter to an output jack. 2) Set the [MASTER VOLUME] dial to the maximum position. 3) Press the [START/STOP] button to produce the C5 sine wave sound. 4) Measure the output level and confirm that the measured values are within the specified range. [PHONES] (33Ω load) PHONES L: -6.4 ± 2 dBu PHONES R: -63.0 dBu or less [MAIN OUTPUT] (10kΩ load) L/L+R: -1.2 ± 2 dBu R: -61.2 dBu or less <p><i>* When disconnecting the plug from the PHONES jack, the sound is produced from the speaker.</i></p> <ol style="list-style-type: none"> 5) Press the [START/STOP] button to stop the sound and to exit the TEST item.
011 : EQ Low Check (PSR-SX700 only)	<p>Checks that the C1 sine wave sound is produced.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to produce the C1 sine wave sound. 2) Press the [START/STOP] button to stop the sound and to exit the TEST item.
012 : EQ Mid Check (PSR-SX700 only)	<p>Checks that the C4 sine wave sound is produced.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to produce the C4 sine wave sound. 2) Press the [START/STOP] button to stop the sound and to exit the TEST item.
013 : EQ High Check (PSR-SX700 only)	<p>Checks that the C5 sine wave sound is produced.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to produce the C7 sine wave sound. 2) Press the [START/STOP] button to stop the sound and to exit the TEST item.
014 : MultiAMP Low Check (PSR-SX900 only)	<p>Checks whether the multi-amplifier on the LOW frequency side work properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to produce the 1kHz sine wave sound. 2) Check that the sound is produced from the right and left woofers. 3) Press the [START/STOP] button to stop the sound and to exit the TEST item.
015 : MultiAMP Hight Check (PSR-SX900 only)	<p>Checks whether the multi-amplifier on the HIGH frequency side work properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to produce the D#7 sine wave sound. 2) Check that the sound is produced from the right and left tweeters. 3) Press the [START/STOP] button to stop the sound and to exit the TEST item.
016 : Output Sub-1 Check (PSR-SX900 only)	<p>Checks whether the [SUB 1 OUTPUT] jack works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to produce the C5 sine wave sound. “Not Inserted” is shown on the LCD. 2) Connect the plug to the [SUB 1 OUTPUT] jack, and “Inserted” is shown on the LCD. 3) Set the [MASTER VOLUME] dial to the maximum position. 4) Measure the output level and confirm that the measured values are within the specified range. [SUB 1 OUTPUT] (10kΩ load) 1(L/L+R); -7.1 ± 2 dBu 5) Disconnect the plug, and “Not Inserted” is shown on the LCD. 6) Press the [START/STOP] button to stop the sound and to exit the TEST item.

LCD display	Test items and judging conditions
017 : Output Sub-2 Check (PSR-SX900 only)	<p>Checks whether the [SUB 2 OUTPUT] jack works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to produce the C5 sine wave sound. “Not Inserted” is shown on the LCD. 2) Connect the plug to the [SUB 2 OUTPUT] jack, and “Inserted” is shown on the LCD. 3) Set the [MASTER VOLUME] dial to the maximum position. 4) Measure the output level and confirm that the measured values are within the specified range. [SUB 2 OUTPUT] (10kΩ load) 2(R); -7.1 ± 2 dBu 5) Disconnect the plug, and “Not Inserted” is shown on the LCD. 6) Press the [START/STOP] button to stop the sound and to exit the TEST item.
018 : SP MUTE Check	<p>Checks whether the Speaker Mute circuit works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to produce the C5 sine wave sound. “OFF” is shown on the LCD. 2) Press the TRANSPPOSE [+] button, and the SP MUTE circuit is activated and “ON” is shown on the LCD. Confirm that the speakers are muted. 3) Press the TRANSPPOSE [-] button, and the SP MUTE circuit is deactivated and “OFF” is shown on the LCD. Confirm that muting of the speakers is cancelled. 4) Press the [START/STOP] button to stop the sound and to exit the TEST item. <p>Caution: While this test is executed, connection/disconnection of the headphone is not detected. (Sound comes out of the speaker even if the headphone is connected.)</p>
019 : DAC MUTE Check	<p>Checks whether the DAC MUTE circuit works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to produce the C5 sine wave sound. “OFF” is shown on the LCD. 2) Press the TRANSPPOSE [+] button, and the DAC MUTE circuit is activated and “ON” is shown on the LCD. Confirm that all output jacks (PHONES, OUTPUT) are muted. 3) Press the TRANSPPOSE [-] button, and the DAC MUTE circuit is deactivated and “OFF” is shown on the LCD. Confirm that muting of all output jacks is cancelled. 4) Press the [START/STOP] button to stop the sound and to exit the TEST item. <p>Caution: The DAC MUTE does not work for the SP output.</p>
020 : MUTE Check	<p>Checks whether the MUTE circuit works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to produce the C5 sine wave sound. “OFF” is shown on the LCD. 2) Press the TRANSPPOSE [+] button, and the muting circuit is activated and “ON” is shown on the LCD. Confirm that the speakers and all output jacks (PHONES, OUTPUT) are muted. 3) Press the TRANSPPOSE [-] button, and the muting circuit is deactivated and “OFF” is shown on the LCD. Confirm that muting of the speakers and all output jacks is cancelled. At this time, check that the MUTE relay for the PHONES is not stuck. 4) Press the TRANSPPOSE [+] button to activate the MUTE circuit. 5) Connect the level meter to the OUTPUT jacks. 6) Measure the output levels and confirm that the measured values are within the specified range. [MAIN OUTPUT] (10kΩ load) L/L+R: -41.2 dBu or less R: -41.2 dBu or less [SUB OUTPUT] (10kΩ load) 1(L/L+R): -47.1 dBu or less 2(R): -47.1 dBu or less 7) Press the [START/STOP] button to stop the sound and to exit the TEST item. <p>Caution: When checking the output of the speakers, do not insert any plug to the PHONES jack.</p>

LCD display	Test items and judging conditions
022 : Emergency Circuit Check	<p>Checks whether the Fail-Safe Circuit function for digital volume control works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to produce the A3 sine wave sound. “OFF” is shown on the LCD. 2) Press the TRANSPOSE [+] button, and the Fail-Safe Circuit is activated and “ON” is shown on the LCD. Confirm that the speakers and all output jacks (PHONES, OUTPUT) are muted. 3) Press the TRANSPOSE [-] button, and the Fail-Safe Circuit is deactivated and “OFF” is shown on the LCD. Confirm that muting of the speakers and all output jacks is cancelled. At this time, check that the MUTE relay for the PHONES is not stuck. If the Fail-Safe Circuit is not detected, “NG” is shown on the LCD. 4) Press the [START/STOP] button to stop the sound and to exit the TEST item. <p>Caution: When checking the output of the speakers, do not insert any plug to the PHONES jack.</p>
023 : McASP (SIOF) Check	<p>Checks whether the wiring is correct by switching between the McASP signal lines and producing sound with them individually.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button, and “Line-A” is shown on the LCD and the A3 sound is produced. (LINE-A test) 2) Press the TRANSPOSE [+] button, and “Line-B” is shown on the LCD and the C5 sound is produced. (LINE-B test) 3) Change between LINE-A and LINE-B with the TRANSPOSE [-]/[+] buttons for confirmation. 4) Press the [START/STOP] button to stop the sound and to exit the TEST item.
024 : AUX-IN Check	<p>Checks whether the [AUX IN] jack works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button. “Not Inserted” is shown on the LCD. 2) Connect the plug to the [AUX IN] jack, and “Inserted” is shown on the LCD. Check whether an input sound to the [AUX IN] jack is produced from OUTPUT, PHONES jacks and speakers properly (Check whether there is no noise or abnormal sound). 3) Disconnect the plug, and “Not Inserted” is shown on the LCD. 4) Press the [START/STOP] button to exit the TEST item.
025 : MIC Check	<p>Checks whether the [MIC/GUITAR INPUT] jack works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button. “Not Inserted” is shown on the LCD. 2) Connect the plug to the [MIC/GUITAR INPUT] jack, and “Inserted” is shown on the LCD. Check whether an input sound to the [MIC/GUITAR IN] jack is produced from OUTPUT, PHONES jacks and speakers properly (Check whether there is no noise or abnormal sound). 3) Disconnect the plug, and “Not Inserted” is shown on the LCD. 4) Press the [START/STOP] button to exit the TEST item.
026 : SW, LED Check	<p>Checks whether each panel button with its LED (if available) works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. “Push * * *” is shown on the LCD. NOTE: The “* * *” means the name of the button which should be pressed. 2) Press the button specified on the LCD one by one. If the correct button is pressed, “* * * On” is shown on the LCD and the sound of the note assigned to the pressed button will be produced. Also, the LED (if available) lights. Regarding what note and LED are assigned, refer to the Switch Test Sequence on page 53 (PSR-SX900)/54 (PSR-SX700). <p>NOTE:</p> <ul style="list-style-type: none"> • “NG [pressed button name] On” will be shown on the LCD if the wrong button is pressed. • “Over Two Sw” will be shown on the LCD if two or more buttons are pressed. <ol style="list-style-type: none"> 3) After all the buttons are checked and “Dial DOWN 50” appears on the LCD, check the [DATA ENTRY] dial. Rotate the dial counter-clockwise until “Dial UP xx” appears on the LCD. 4) Rotate the dial clockwise until “End” appears on the LCD. 5) Press the [START/STOP] button to exit the TEST item. <p>NOTE: You can exit this test by pressing the lowest key. Also, you can exit the test by pressing the LIVE CONTROL [ASSIGN] button after the button is tested.</p>

LCD display	Test items and judging conditions
027 : All LED On	<p>Checks whether all the LED lamps light properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. All the LED lamps of the left half side are turned on, and “- -” is shown on the LCD. 2) Confirm that all the LED lamps light are switched to the left half side and right half side with the TRANSPOSE [+]/[-] buttons. 3) Press the [START/STOP] button to exit the TEST item and to turn off all the LED lamps.
028 : Red LED On	<p>Checks whether all the red LED lamps light properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. All the red LED lamps are turned on, and “- -” is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and to turn off all the red LED lamps.
029 : Blue/Green LED On	<p>Checks whether all the blue and green LED lamps light properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. All the blue/green LED lamps are turned on, and “- -” is shown on the LCD. 2) Confirm that all the blue/green LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and to turn off all the blue/green LED lamps.
031 : All LCD On	<p>Checks whether all the LCD dots are turned on (black) properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. 2) Check that all the dots of the LCD are turned on (black). 3) Press the [START/STOP] button to exit the TEST item, and the LCD indication returns to the normal state.
032 : All LCD Off	<p>Checks whether all the LCD dots are turned off (white) properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. 2) Check that all the dots of the LCD are turned off (white). 3) Press the [START/STOP] button to exit the TEST item, and the LCD indication returns to the normal state.
033 : LCD Pattern Check	<p>Checks whether the color pattern of the LCD is shown properly. The color patterns are shown to check the display quality of the LCD.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. 2) Use the TRANSPOSE [-][+] buttons to call up the color patterns. Check whether the following patterns are shown on the LCD properly. <ul style="list-style-type: none"> • RGB • Rainbow • Flicker Noise (horizontal) • Flicker Noise (vertical) 3) Press the [START/STOP] button to exit the TEST item, and the Test mode indication returns to the normal status.
034 : LCD Mounting Position Check	<p>Checks by shown on image whether the LCD is mounted in the correct position. * Be sure to look at the LCD from the perpendicular direction.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button, and “confirmation image” is shown on the LCD. 2) Visually check that the black rectangle is surrounded on all 4 sides by a white frame. 3) Press the [START/STOP] button to exit the TEST item, and the Test mode indication returns to the normal status.
035 : LCD Lighting Control Check	<p>Checks whether the brightness of the LCD backlight control works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. 2) Confirm that the LCD backlight brightness switches to HIGHT / MID / LOW / OFF with the TRANSPOSE [+]/[-] buttons. 3) Press the [START/STOP] button to exit the TEST item, and the Test mode indication returns to the normal status.

LCD display	Test items and judging conditions
<p>036 : Main Volume Check</p>	<p>Checks whether the MASTER VOLUME dial works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button, and “Main Volume MIN xx” is shown on the LCD. The value: 0 to 255 is shown on the LCD depending on the [MASTER VOLUME] dial position. 2) Set the [MASTER VOLUME] dial to the minimum position. When the minimum value is detected, “Main Volume MAX 0” is shown on the LCD. 3) Set the [MASTER VOLUME] dial to the maximum position. When the maximum value is detected, “OK 255” is shown on the LCD. 4) Press the [START/STOP] button to exit the TEST item.
<p>037 : Knob Check</p>	<p>Checks whether the Live Control [1]/[2] knobs work properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button. “Knob 1 MIN (xx)” is shown on the LCD. 2) Set the [LIVE CONTROL 1] knob to the minimum position. The value: 0 to 255 is shown on the LCD depending on the [LIVE CONTROL 1] knob position. When the minimum value is detected, “Knob 1 MAX (0)” is shown on the LCD. 3) Set the [LIVE CONTROL 1] knob to the maximum position. When the maximum value is detected, “Knob 1 Center (255)” is shown on the LCD. 4) Set the [LIVE CONTROL 1] knob to the center position. When the center value is detected, “Knob 2 MIN (xx)” is shown on the LCD. 5) Set the [LIVE CONTROL 2] knob to the minimum position. When the minimum value is detected, “Knob 2 MAX (0)” is shown on the LCD. 6) Set the [LIVE CONTROL 2] knob to the maximum position. When the maximum value is detected, “Knob 2 Center (255)” is shown on the LCD. 7) Set the [LIVE CONTROL 2] knob to the center position. When the center value is detected, “OK” is shown on the LCD. 8) Press the [START/STOP] button to exit the TEST item.
<p>038 : Joystick Calibration</p>	<p>Calibrates the [Joystick] value depending on the position.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button. “Joystick Left H:xxx V:xxx” is shown on the LCD. V: vertical direction H: horizontal direction The value: 0 to 255 is shown on the LCD depending on the [Joystick] control position. 2) Move the [Joystick] to the left to the minimum position to produce the C3 sine wave sound. (While “Joystick Left Keep” is shown on the LCD, keep the [Joystick] at the left position.) “Joystick Right H:0 V:xxx” is shown on the LCD. 3) Move the [Joystick] to the right to the maximum position to produce the D3 sine wave sound. (While “Joystick Right Keep” is shown on the LCD, keep the [Joystick] at the right position.) “Joystick Center H:255 V:xxx” is shown on the LCD. 4) Release the [Joystick] to the center position to produce the E3 sine wave sound. “Joystick Down H:xxx V:xxx” is shown on the LCD. 5) Move the [Joystick] to the lower to the minimum position to produce the F3 sine wave sound. (While “Joystick Down Keep” is shown on the LCD, keep the [Joystick] at the lower position.) “Joystick Up H:xxx V:0” is shown on the LCD. 6) Move the [Joystick] to the upper to the maximum position to produce the G3 sine wave sound. (While “Joystick Up Keep” is shown on the LCD, keep the [Joystick] at the upper position.) “Joystick Center H:xxx V:255” is shown on the LCD. 7) Release the [Joystick] to the center position to produce the C4 sine wave sound. After the calibration data is written, “OK” is shown on the LCD. If writing the calibration data fails, “NG” is shown on the LCD. 8) Press the [START/STOP] button to exit the TEST item. <p>NOTE: If testing is executed before the calibration is completed, “No Calibration” is shown on the LCD. If the “No Calibration” message is shown on the LCD, proceed to Step 2) as is. This means that the calibration has never been executed.</p>

LCD display	Test items and judging conditions
039 : Joystick Check	<p>Checks whether the Joystick works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button. “Joystick Left V:128 H:128” is shown on the LCD. 2) Move the [Joystick] to the left to the minimum position to produce the C3 sine wave sound. “Joystick Right H:0 V:128” is shown on the LCD. 3) Move the [Joystick] to the right to the maximum position to produce the D3 sine wave sound. “Joystick Center H:255 V:128” is shown on the LCD. 4) Release the [Joystick] to the center position to produce the E3 sine wave sound. “Joystick Down H:128 V:128” is shown on the LCD. 5) Move the [Joystick] to the lower to the minimum position to produce the F3 sine wave sound. “Joystick Up H:128 V:0” is shown on the LCD. 6) Move the [Joystick] to the upper to the maximum position to produce the G3 sine wave sound. “Joystick Center H:128 V:255” is shown on the LCD. 7) Release the [Joystick] to the center position to produce the C4 sine wave sound. “OK” is shown on the LCD. 8) Press the [START/STOP] button to exit the TEST item. <p>NOTE: Calibration. The test item 039: Joystick Check is for checking only and not for execution of the calibration. If the “No Calibration” message is shown on the LCD, it is necessary to execute the test item 038: Joystick</p>
044 : Pedal1 Check	<p>Checks whether the Foot Pedal plugged into [FOOT PEDAL 1] jack works properly.</p> <ol style="list-style-type: none"> 1) Connect the foot pedal (FC7) to [FOOT PEDAL 1] jack. 2) Press the [START/STOP] button to start the test. “Pedal1 Down” is shown on the LCD. When the pedal is not detected, “No Pedal” is shown on the LCD. 3) Press the pedal to the maximum position to produce the C3 sound. “Pedal1 Up” is shown on the LCD. 4) Press the pedal to the minimum position to produce the G3 sound. “Pedal1 Out” is shown on the LCD. 5) Disconnect the pedal from the [FOOT PEDAL 1] jack to produce the C4 sound. “OK” is shown on the LCD. 6) Press the [START/STOP] button to exit the TEST item.
045 : Pedal2 Check	<p>Checks whether the Foot Pedal plugged into [FOOT PEDAL 2] jack works properly.</p> <ol style="list-style-type: none"> 1) Connect the foot pedal (FC7) to [FOOT PEDAL 2] jack. 2) Press the [START/STOP] button to start the test. “Pedal2 Down” is shown on the LCD. When the pedal is not detected, “No Pedal” is shown on the LCD. 3) Press the pedal to the maximum position to produce the C3 sound. “Pedal2 Up” is shown on the LCD. 4) Press the pedal to the minimum position to produce the G3 sound. “Pedal2 Out” is shown on the LCD. 5) Disconnect the pedal from the [FOOT PEDAL 2] jack to produce the C4 sound. “OK” is shown on the LCD. 6) Press the [START/STOP] button to exit the TEST item.
046 : MIDI Check	<p>Checks whether the MIDI terminals work properly.</p> <ol style="list-style-type: none"> 1) Connect the single MIDI cable to MIDI IN and OUT terminals. 2) Press the [START/STOP] button to start the test. If no problem is found, the C4 sine wave sound is produced for a second and “OK” is shown on the LCD. If any problem is found, “NG” is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item. 4) Disconnect the MIDI cable from the terminals.

LCD display	Test items and judging conditions
047 : Bluetooth Check (PSR-SX900 only)	Checks the Bluetooth module mounted condition and the version (*.**) of the mounted ROM. 1) Press the [START/STOP] button to have the result shown on the LCD. When the Bluetooth module is mounted: Mounted v*.** (The test tone sound is produced.) When the Bluetooth module is not mounted: Not Mounted 2) Press the [START/STOP] button to exit the TEST item.
048 : USB to Device/Host Check	Checks whether the USB [TO DEVICE] and USB [TO HOST] terminals work properly. 1) Press the [START/STOP] button first. “Connect Device-Host” is shown on the LCD. 2) Using the USB cable, connect the USB [TO DEVICE] terminal and USB [TO HOST] terminal. In PSR-SX900, there is no problem with either USB [TO DEVICE] terminal. 3) Confirm that “OK” is shown on the LCD and the C4 sound is produced for a second. * If connection is not confirmed after waiting for 30 seconds, “NG” is shown on the LCD. 4) Press the [START/STOP] button to exit the TEST item. 5) Disconnect the USB cable.
049 : USB Storage Device Check	Checks whether or not the instrument can access the two USB flash drives connected to the terminals. The PSR-SX900 has two terminals, and the PSR-SX700 has one terminal. 1) Press the [START/STOP] button. “Please insert USB Storage” is shown on the LCD. 2) Insert the USB flash drives to the all USB [TO DEVICE] terminal. “Inserted” is shown on the LCD. 3) Confirm that “OK” is shown on the LCD. If no media is inserted, “NO DISK” is shown. If the media is unformatted, “UNFORMAT DISK” is shown. If the media is protected, “PROTECT DISK” is shown. If failed in reading/writing, “NG” is shown. 4) Press the [START/STOP] button to exit the TEST item. 5) Disconnect the USB flash drives.
051 : Keyboard Type Check	Checks whether this instrument can recognize the keyboard type correctly. 1) Press the [START/STOP] button to start the test. 2) Confirm that “OK (16MX61)” is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item.
055 : ROM Check2	Executes the complete check of the ROM connected to the CPU bus. (It will take about 10 seconds.) 1) Press the [START/STOP] button to start the test. OK is found: OK NG: MAIN ROM (IC* * *) NG 2) Confirm that “OK” is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item.
056 : Wave ROM Check2	Executes the complete check of the Wave ROM. (It will take about 4 minutes 40 seconds.) 1) Press the [START/STOP] button to start the test. OK: OK NG: Wave1 (IC* * *, * * *) NG 2) Confirm that “OK” is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item.
057 : Wave RAM Check2	Executes the complete check of the Wave RAM. (It will take about 23 seconds.) 1) Press the [START/STOP] button to start the test. OK: OK NG: Wave RAM1 (IC* * *) NG 2) Confirm that “OK” is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item.

LCD display	Test items and judging conditions
058 : Effect RAM Check2	<p>Executes the complete check of the Effect RAM . (It will take about 32 seconds.)</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. OK: OK NG: Effect1 TG1 (IC * * *) NG Effect2 TG2 (IC * * *) NG 2) Confirm that “OK” is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item.
059 : Panel PCB Check 1	<p>This test is for the PNL, PNR, PS1 and PS2 circuit boards only to check whether each panel button with its LED (if available) works properly. Refer to “026: SW, LED Check” for details as the operation is similar. Regarding what note and LED are assigned, refer to the Panel PCB division check 1 on page 55 (PSR-SX900)/56 (PSR-SX700).</p>
060 : Panel PCB Check 2	<p>This test is for the PNC circuit board only to check whether each panel button with its LED (if available) works properly. Refer to “026: SW, LED Check” for details as the operation is similar. Regarding what note and LED are assigned, refer to the Panel PCB division check 2 on page 57.</p>
061 : Touch Screen Calibration	<p>Checks whether touch panel works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button, and “□” mark and “Touch Screen Left Upper” is shown on the LCD (touch panel). 2) Touch the center (red point) of the “□” mark at the upper left. 3) Touch the center (red point) of each “□” mark in the order of upper right, lower right, lower left and center according to the instruction on the LCD. 4) Confirm that “OK” appears on the LCD upon completion. 5) Press the [START/STOP] button to exit the TEST item. <p>NOTE: * <i>The touch results of this test are saved as calibration in the MAIN ROM.</i> * <i>Calibration data is preserved even when Factory Set is performed.</i></p>
063 : Local Contents write	<p>Writes the local contents corresponding to the destination by using the data stored in the main unit.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to start the test. 2) Confirm that “OK” is shown on the LCD. If failed in writing, “NG” is shown. 3) Press the [START/STOP] button to exit the TEST item. <p>* <i>To check if installation is properly done, execute the test program “001: Version” and confirm that Expansion is “installed”.</i></p>
064 : Factory Set	<p>Initializes ROM backup data, etc. including USER drive data, and restores it to the factory shipping state. At this time, only the flag for initialization is set, and the actual execution will occur when 065:Test Exit is executed or the next time the power is turned on.</p> <p>Caution: Note that all user data will be cleared. Before executing the factory reset procedure, be sure to save the important data as a backup in the USB flash drive. (Refer to page 63)</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button to restore initial data and “OK” is shown on the LCD. 2) Press the [START/STOP] button to exit the TEST item. <p>* When the power is turned on next time, “Force Format Mode” is shown on the LCD. After restarting, the instrument returns to the play mode and the Home display appears.</p> <p>NOTE: Never turn off the power until the Home display appears. Doing so may cause a malfunction. (It will take about 30 seconds.)</p>
065 : Test Exit	<p>Enables to exit from the Test mode and to enter the normal mode.</p> <ol style="list-style-type: none"> 1) Press [START/STOP] button to exit the Test mode and restart the instrument. <p>NOTE: Never turn off the power until the Home display appears. Doing so may cause a malfunction.</p>

4. Other Inspections

4-1. AUX IN

Take measurement with the Test Program [024: AUX-IN Check] selected.

Check that each terminal output is as shown in the table below when a signal is inputted into AUX IN.

INPUT \ OUTPUT	PHONES (33-ohms load)	
	L	R
AUX IN L: Sine wave (1 kHz, 0 dBu) AUX IN R: No input	+1.6 ± 2 dBu	-56.0 dBu or less
AUX IN L: No input AUX IN R: Sine wave (1 kHz, 0 dBu)	-56.0 dBu or less	+1.6 ± 2 dBu

4-2. Noise Level Check

- 1) Nothing is plugged into the [AUX IN] and [MIC/GUITAR INPUT] jacks.
- 2) Connect the level meter (using JIS-C filter) and a passive LPF as specified in procedure 1-3 to each jack.
- 3) Set the [MASTER VOLUME] dial to the maximum position.
- 4) Measure the output voltage and confirm that the measured value meets the following.

<PHONES>

L: -90.0 dBu or less

R: -90.0 dBu or less

<MAIN OUTPUT>

L/L+R: -90.0 dBu or less

R: -90.0 dBu or less

<SUB OUTPUT> (PSR-SX900 only)

1 (L/L+R): -90.0 dBu or less

2 (R): -90.0 dBu or less

4-3. MIC/GUITAR INPUT

- 1) Take measurement with the Test Program [025: MIC Check] selected.
- 2) Nothing is plugged into the [AUX IN] jack.
- 3) Connect the level meter (using the JIS-C filter) to an output jack.
- 4) Set the [MASTER VOLUME] dial to the maximum position.
- 5) Set the [MIC GUITAR] switch to "GUITAR" and set the [GAIN] knob to the maximum position.
- 6) Apply a 1kHz sine wave -30dBu to the [MIC/GUITAR INPUT] jack via a 100k-ohms resistor.
- 7) Measure the output voltage and confirm that the measured values meets the following.

<PHONES>

L: +1.1 ± 3 dBu

R: +1.1 ± 3 dBu

- 8) Set the [MIC GUITAR] switch to "MIC."
- 9) Measure the output voltage and confirm that the measured values meets the following.

<PHONES>

L: -15.4 ± 3 dBu

R: -15.4 ± 3 dBu

- 10) Set the [GAIN] knob to the minimum position.
- 11) Measure the output voltage and confirm that the measured values meets the following.

<PHONES>

L: -48.9 ± 3 dBu

R: -48.9 ± 3 dBu

● Switch Test Sequence (PSR-SX900)

Turn	SW Name/Display	LED made to turn on	Note No.
1	PLAYER	-	C2
2	MIDI PLAY/PAUSE	MIDI START/STOP (RED, BLUE)	C#2
3	MIDI PREV	-	D2
4	MIDI NEXT	-	D#2
5	RECORDING	SONG RECORDING (RED)	E2
6	AUDIO PLAY/PAUSE	AUDIO START/STOP (RED, BLUE)	F2
7	AUDIO PREV	-	F#2
8	AUDIO NEXT	-	G2
9	POP&ROCK	POP&ROCK (RED)	G#2
10	DANCE	DANCE (RED)	A2
11	R&B	R&B (RED)	A#2
12	JAZZ	JAZZ (RED)	B2
13	LATIN	LATIN (RED)	C3
14	BALLROOM	BALLROOM (RED)	C#3
15	MOVIE&SHOW	MOVIE&SHOW (RED)	D3
16	ENTERTAINER	ENTERTAINER (RED)	D#3
17	WORLD	WORLD (RED)	E3
18	EXPANSION/USER	EXPANSION/USER (RED)	F3
19	ASSIGN	-	F#3
20	TRANSPOSE -	-	G3
21	TRANSPOSE +	-	G#3
22	TEMPO -	-	A3
23	TEMPO +	-	A#3
24	TAP TEMPO	-	B3
25	MIXER/EQ	-	C4
26	CHORD LOOPER REC	CHORD LOOPER REC (RED)	C#4
27	CHORD LOOPER START/ STOP	CHORD LOOPER START/ STOP(RED, BLUE)	D4
28	DIRECT ACCESS	-	D#4
29	ASSIGNABLE A	-	E4
30	ASSIGNABLE B	-	F4
31	ASSIGNABLE C	-	F#4
32	ASSIGNABLE D	-	G4
33	ASSIGNABLE E	-	G#4
34	ASSIGNABLE F	-	A4
35	MIC SETTING/VOCAL HARMONY	MIC SETTING/VOCAL HARMONY (RED, GREEN)	A#4
36	PIANO&E.PIANO	PIANO&E.PIANO (RED)	B4
37	ORGAN	ORGAN (RED)	C5
38	GIUITAR	GIUITAR (RED)	C#5
39	ACCORDION	ACCORDION (RED)	D5
40	MENU	-	D#5
41	PLAYLIST	-	E5
42	STRINGS	STRINGS (RED)	F5
43	BRASS	BRASS (RED)	F#5
44	WOODWIND	WOODWIND (RED)	G5
45	CHOIR&PAD	CHOIR&PAD (RED)	G#5
46	BASS	BASS (RED)	A5
47	SYNTH	SYNTH (RED)	A#5
48	PERC&DRUMS	PERC&DRUMS (RED)	B5
49	EXPANSION/USER	EXPANSION/USER (RED)	C2
50	HARMONY / ARPEGGIO	HARMONY / ARPEGGIO (RED)	C#2
51	SUSTAIN	SUSTAIN (RED)	D2
52	PART SELECT LEFT	PART SELECT LEFT (RED)	D#2
53	PART SELECT RIGHT1	PART SELECT RIGHT1 (RED)	E2

Turn	SW Name/Display	LED made to turn on	Note No.
54	PART SELECT RIGHT2	PART SELECT RIGHT2 (RED)	F2
55	PART SELECT RIGHT3	PART SELECT RIGHT3 (RED)	F#2
56	DEC	-	G2
57	INC	-	G#2
58	LEFT HOLD	LEFT HOLD (RED)	A2
59	PART ON/OFF LEFT	PART ON/OFF LEFT (RED)	A#2
60	PART ON/OFF RIGHT1	PART ON/OFF RIGHT1 (RED)	B2
61	PART ON/OFF RIGHT2	PART ON/OFF RIGHT2 (RED)	C3
62	PART ON/OFF RIGHT3	PART ON/OFF RIGHT3 (RED)	C#3
63	EXIT	-	D3
64	ENTER	-	D#3
65	MODULATION HOLD	MODULATION HOLD (RED)	E3
66	ROTARY SP/ASSIGNABLE	ROTARY SP/ASSIGNABLE (RED, BLUE)	F3
67	ACMP	ACMP (RED)	F#3
68	OTS LINK	OTS LINK (RED)	G3
69	AUTO FILL IN	AUTO FILL IN (RED)	G#3
70	INTRO I	INTRO I (RED, BLUE)	A3
71	INTRO II	INTRO II (RED, BLUE)	A#3
72	INTRO III	INTRO III (RED, BLUE)	B3
73	MAIN VARIATION A	MAIN VARIATION A (RED, BLUE)	C4
74	MAIN VARIATION B	MAIN VARIATION B (RED, BLUE)	C#4
75	MAIN VARIATION C	MAIN VARIATION C (RED, BLUE)	D4
76	MAIN VARIATION D	MAIN VARIATION D (RED, BLUE)	D#4
77	BREAK	BREAK (RED, BLUE)	E4
78	ENDING/rit. I	ENDING/rit. 1 (RED, BLUE)	F4
79	ENDING/rit. II	ENDING/rit. 2 (RED, BLUE)	F#4
80	ENDING/rit. III	ENDING/rit. 3 (RED, BLUE)	G4
81	SYNC STOP	SYNC STOP (RED)	G#4
82	SYNC START	SYNC START (RED)	A4
83	START/STOP	START/STOP (RED, BLUE)	A#4
84	REGIST. BANK -	-	B4
85	REGIST. BANK +	-	C5
86	FREEZE	FREEZE (RED)	C#5
87	MEMORY	-	D5
88	REG. MEM. 1	REG. MEM. 1 (RED, BLUE)	D#5
89	REG. MEM. 2	REG. MEM. 2 (RED, BLUE)	E5
90	REG. MEM. 3	REG. MEM. 3 (RED, BLUE)	F5
91	REG. MEM. 4	REG. MEM. 4 (RED, BLUE)	F#5
92	REG. MEM. 5	REG. MEM. 5 (RED, BLUE)	G5
93	REG. MEM. 6	REG. MEM. 6 (RED, BLUE)	G#5
94	REG. MEM. 7	REG. MEM. 7 (RED, BLUE)	A5
95	REG. MEM. 8	REG. MEM. 8 (RED, BLUE)	A#5
96	OTS 1	OTS 1 (RED, BLUE)	B5
97	OTS 2	OTS 2 (RED, BLUE)	C2
98	OTS 3	OTS 3 (RED, BLUE)	C#2
99	OTS 4	OTS 4 (RED, BLUE)	D2
100	M.PAD SELECT	-	D#2
101	M.PAD 1	M.PAD 1 (RED, BLUE)	E2
102	M.PAD 2	M.PAD 2 (RED, BLUE)	F2
103	M.PAD 3	M.PAD 3 (RED, BLUE)	F#2
104	M.PAD 4	M.PAD 4 (RED, BLUE)	G2
105	M.PAD STOP	-	G#2
106	UPPER OCTAVE -	-	A2
107	UPPER OCTAVE +	-	A#2

● Switch Test Sequence (PSR-SX700)

Turn	SW Name/Display	LED made to turn on	Note No.
1	PLAYER	-	C2
2	MIDI PLAY/PAUSE	MIDI START/STOP (RED, BLUE)	C#2
3	MIDI PREV	-	D2
4	MIDI NEXT	-	D#2
5	RECORDING	SONG RECORDING (RED)	E2
6	AUDIO PLAY/PAUSE	AUDIO START/STOP (RED, BLUE)	F2
7	AUDIO PREV	-	F#2
8	AUDIO NEXT	-	G2
9	POP&ROCK	POP&ROCK (RED)	G#2
10	DANCE	DANCE (RED)	A2
11	R&B	R&B (RED)	A#2
12	JAZZ	JAZZ (RED)	B2
13	LATIN	LATIN (RED)	C3
14	BALLROOM	BALLROOM (RED)	C#3
15	MOVIE&SHOW	MOVIE&SHOW (RED)	D3
16	ENTERTAINER	ENTERTAINER (RED)	D#3
17	WORLD	WORLD (RED)	E3
18	EXPANSION/USER	EXPANSION/USER (RED)	F3
19	ASSIGN	-	F#3
20	TRANSPOSE -	-	G3
21	TRANSPOSE +	-	G#3
22	TEMPO -	-	A3
23	TEMPO +	-	A#3
24	TAP TEMPO	-	B3
25	MIXER/EQ	-	C4
26	DIRECT ACCESS	-	C#4
27	ASSIGNABLE A	-	D4
28	ASSIGNABLE B	-	D#4
29	ASSIGNABLE C	-	E4
30	ASSIGNABLE D	-	F4
31	ASSIGNABLE E	-	F#4
32	ASSIGNABLE F	-	G4
33	MIC SETTING/VOCAL HARMONY	MIC SETTING/VOCAL HARMONY (RED, GREEN)	G#4
34	PIANO&E.PIANO	PIANO&E.PIANO (RED)	A4
35	ORGAN	ORGAN (RED)	A#4
36	GUITAR	GUITAR (RED)	B4
37	ACCORDION	ACCORDION (RED)	C5
38	MENU	-	C#5
39	PLAYLIST	-	D5
40	STRINGS	STRINGS (RED)	D#5
41	BRASS	BRASS (RED)	E5
42	WOODWIND	WOODWIND (RED)	F5
43	CHOIR&PAD	CHOIR&PAD (RED)	F#5
44	BASS	BASS (RED)	G5
45	SYNTH	SYNTH (RED)	G#5
46	PERC&DRUMS	PERC&DRUMS (RED)	A5
47	EXPANSION/USER	EXPANSION/USER (RED)	A#5
48	HARMONY / ARPEGGIO	HARMONY / ARPEGGIO (RED)	B5
49	SUSTAIN	SUSTAIN (RED)	C2
50	PART SELECT LEFT	PART SELECT LEFT (RED)	C#2
51	PART SELECT RIGHT1	PART SELECT RIGHT1 (RED)	D2
52	PART SELECT RIGHT2	PART SELECT RIGHT2 (RED)	D#2
53	PART SELECT RIGHT3	PART SELECT RIGHT3 (RED)	E2

Turn	SW Name/Display	LED made to turn on	Note No.
54	DEC	-	F2
55	INC	-	F#2
56	LEFT HOLD	LEFT HOLD (RED)	G2
57	PART ON/OFF LEFT	PART ON/OFF LEFT (RED)	G#2
58	PART ON/OFF RIGHT1	PART ON/OFF RIGHT1 (RED)	A2
59	PART ON/OFF RIGHT2	PART ON/OFF RIGHT2 (RED)	A#2
60	PART ON/OFF RIGHT3	PART ON/OFF RIGHT3 (RED)	B2
61	EXIT	-	C3
62	ENTER	-	C#3
63	MODULATION HOLD	MODULATION HOLD (RED)	D3
64	ROTARY SP/ASSIGNABLE	ROTARY SP/ASSIGNABLE (RED, BLUE)	D#3
65	ACMP	ACMP (RED)	E3
66	OTS LINK	OTS LINK (RED)	F3
67	AUTO FILL IN	AUTO FILL IN (RED)	F#3
68	INTRO I	INTRO I (RED, BLUE)	G3
69	INTRO II	INTRO II (RED, BLUE)	G#3
70	INTRO III	INTRO III (RED, BLUE)	A3
71	MAIN VARIATION A	MAIN VARIATION A (RED, BLUE)	A#3
72	MAIN VARIATION B	MAIN VARIATION B (RED, BLUE)	B3
73	MAIN VARIATION C	MAIN VARIATION C (RED, BLUE)	C4
74	MAIN VARIATION D	MAIN VARIATION D (RED, BLUE)	C#4
75	BREAK	BREAK (RED, BLUE)	D4
76	ENDING/rit. I	ENDING/rit. 1 (RED, BLUE)	D#4
77	ENDING/rit. II	ENDING/rit. 2 (RED, BLUE)	E4
78	ENDING/rit. III	ENDING/rit. 3 (RED, BLUE)	F4
79	SYNC STOP	SYNC STOP (RED)	F#4
80	SYNC START	SYNC START (RED)	G4
81	START/STOP	START/STOP (RED, BLUE)	G#4
82	REGIST. BANK -	-	A4
83	REGIST. BANK +	-	A#4
84	FREEZE	FREEZE (RED)	B4
85	MEMORY	-	C5
86	REG. MEM. 1	REG. MEM. 1 (RED, BLUE)	C#5
87	REG. MEM. 2	REG. MEM. 2 (RED, BLUE)	D5
88	REG. MEM. 3	REG. MEM. 3 (RED, BLUE)	D#5
89	REG. MEM. 4	REG. MEM. 4 (RED, BLUE)	E5
90	REG. MEM. 5	REG. MEM. 5 (RED, BLUE)	F5
91	REG. MEM. 6	REG. MEM. 6 (RED, BLUE)	F#5
92	REG. MEM. 7	REG. MEM. 7 (RED, BLUE)	G5
93	REG. MEM. 8	REG. MEM. 8 (RED, BLUE)	G#5
94	OTS 1	OTS 1 (RED, BLUE)	A5
95	OTS 2	OTS 2 (RED, BLUE)	A#5
96	OTS 3	OTS 3 (RED, BLUE)	B5
97	OTS 4	OTS 4 (RED, BLUE)	C2
98	M.PAD SELECT	-	C#2
99	M.PAD 1	M.PAD 1 (RED, BLUE)	D2
100	M.PAD 2	M.PAD 2 (RED, BLUE)	D#2
101	M.PAD 3	M.PAD 3 (RED, BLUE)	E2
102	M.PAD 4	M.PAD 4 (RED, BLUE)	F2
103	M.PAD STOP	-	F#2
104	UPPER OCTAVE -	-	G2
105	UPPER OCTAVE +	-	G#2

● Panel PCB division check 1 (PSR-SX900)
(PNL, PNR, PS1 and PS2 circuit boards)

Turn	SW Name/Display	LED made to turn on	Note No.
1	OTS 1	OTS 1 (RED, BLUE)	B5
2	OTS 2	OTS 2 (RED, BLUE)	C2
3	OTS 3	OTS 3 (RED, BLUE)	C#2
4	OTS 4	OTS 4 (RED, BLUE)	D2
5	M.PAD SELECT	-	D#2
6	M.PAD 1	M.PAD 1 (RED, BLUE)	E2
7	M.PAD 2	M.PAD 2 (RED, BLUE)	F2
8	M.PAD 3	M.PAD 3 (RED, BLUE)	F#2
9	M.PAD 4	M.PAD 4 (RED, BLUE)	G2
10	M.PAD STOP	-	G#2
11	UPPER OCTAVE -	-	A2
12	UPPER OCTAVE +	-	A#2
13	MENU	-	D#5
14	PLAYLIST	-	E5
15	MIC SETTING/VOCAL HARMONY	MIC SETTING/VOCAL HARMONY (RED, GREEN)	A#4
16	LEFT HOLD	LEFT HOLD (RED)	A2
17	PART ON/OFF LEFT	PART ON/OFF LEFT (RED)	A#2
18	PART ON/OFF RIGHT1	PART ON/OFF RIGHT1 (RED)	B2
19	PART ON/OFF RIGHT2	PART ON/OFF RIGHT2 (RED)	C3
20	PART ON/OFF RIGHT3	PART ON/OFF RIGHT3 (RED)	C#3
21	PART SELECT LEFT	PART SELECT LEFT (RED)	D#2
22	PART SELECT RIGHT1	PART SELECT RIGHT1 (RED)	E2
23	PART SELECT RIGHT2	PART SELECT RIGHT2 (RED)	F2
24	PART SELECT RIGHT3	PART SELECT RIGHT3 (RED)	F#2
25	HARMONY / ARPEGGIO	HARMONY / ARPEGGIO (RED)	C#2
26	SUSTAIN	SUSTAIN (RED)	D2
27	BASS	BASS (RED)	A5
28	SYNTH	SYNTH (RED)	A#5
29	PERC&DRUMS	PERC&DRUMS (RED)	B5
30	EXPANSION/USER	EXPANSION/USER (RED)	C2
31	STRINGS	STRINGS (RED)	F5
32	BRASS	BRASS (RED)	F#5
33	WOODWIND	WOODWIND (RED)	G5
34	CHOIR&PAD	CHOIR&PAD (RED)	G#5
35	PIANO&E.PIANO	PIANO&E.PIANO (RED)	B4
36	ORGAN	ORGAN (RED)	C5
37	GIUITAR	GIUITAR (RED)	C#5
38	ACCORDION	ACCORDION (RED)	D5
39	ROTARY SP/ASSIGNABLE	ROTARY SP/ASSIGNABLE (RED, BLUE)	F3
40	MODULATION HOLD	MODULATION HOLD (RED)	E3
41	PLAYER	-	C2

Turn	SW Name/Display	LED made to turn on	Note No.
42	MIDI PLAY/PAUSE	MIDI START/STOP (RED, BLUE)	C#2
43	MIDI PREV	-	D2
44	MIDI NEXT	-	D#2
45	RECORDING	SONG RECORDING (RED)	E2
46	AUDIO PLAY/PAUSE	AUDIO START/STOP (RED, BLUE)	F2
47	AUDIO PREV	-	F#2
48	AUDIO NEXT	-	G2
49	POP&ROCK	POP&ROCK (RED)	G#2
50	DANCE	DANCE (RED)	A2
51	R&B	R&B (RED)	A#2
52	JAZZ	JAZZ (RED)	B2
53	LATIN	LATIN (RED)	C3
54	BALLROOM	BALLROOM (RED)	C#3
55	MOVIE&SHOW	MOVIE&SHOW (RED)	D3
56	ENTERTAINER	ENTERTAINER (RED)	D#3
57	WORLD	WORLD (RED)	E3
58	EXPANSION/USER	EXPANSION/USER (RED)	F3
59	ASSIGN	-	F#3
60	TRANSPOSE -	-	G3
61	TRANSPOSE +	-	G#3
62	TEMPO -	-	A3
63	TEMPO +	-	A#3
64	TAP TEMPO	-	B3
65	MIXER/EQ	-	C4
66	CHORD LOOPER REC	CHORD LOOPER REC (RED)	C#4
67	CHORD LOOPER START/ STOP	CHORD LOOPER START/STOP (RED, BLUE)	D4
68	DIRECT ACCESS	-	D#4
69	ACMP	ACMP (RED)	F#3
70	OTS LINK	OTS LINK (RED)	G3
71	AUTO FILL IN	AUTO FILL IN (RED)	G#3
72	INTRO I	INTRO I (RED, BLUE)	A3
73	INTRO II	INTRO II (RED, BLUE)	A#3
74	INTRO III	INTRO III (RED, BLUE)	B3
75	MAIN VARIATION A	MAIN VARIATION A (RED, BLUE)	C4
76	MAIN VARIATION B	MAIN VARIATION B (RED, BLUE)	C#4
77	MAIN VARIATION C	MAIN VARIATION C (RED, BLUE)	D4
78	MAIN VARIATION D	MAIN VARIATION D (RED, BLUE)	D#4
79	BREAK	BREAK (RED, BLUE)	E4
80	ENDING/rit. I	ENDING/rit. 1 (RED, BLUE)	F4
81	ENDING/rit. II	ENDING/rit. 2 (RED, BLUE)	F#4
82	ENDING/rit. III	ENDING/rit. 3 (RED, BLUE)	G4

● Panel PCB division check 1 (PSR-SX700)
(PNL, PNR, PS1 and PS2 circuit boards)

Turn	SW Name/Display	LED made to turn on	Note No.
1	OTS 1	OTS 1 (RED, BLUE)	A5
2	OTS 2	OTS 2 (RED, BLUE)	A#5
3	OTS 3	OTS 3 (RED, BLUE)	B5
4	OTS 4	OTS 4 (RED, BLUE)	C2
5	M.PAD SELECT	-	C#2
6	M.PAD 1	M.PAD 1 (RED, BLUE)	D2
7	M.PAD 2	M.PAD 2 (RED, BLUE)	D#2
8	M.PAD 3	M.PAD 3 (RED, BLUE)	E2
9	M.PAD 4	M.PAD 4 (RED, BLUE)	F2
10	M.PAD STOP	-	F#2
11	UPPER OCTAVE -	-	G2
12	UPPER OCTAVE +	-	G#2
13	MENU	-	C#5
14	PLAYLIST	-	D5
15	MIC SETTING/VOCAL HARMONY	MIC SETTING/VOCAL HARMONY (RED, GREEN)	G#4
16	LEFT HOLD	LEFT HOLD (RED)	G2
17	PART ON/OFF LEFT	PART ON/OFF LEFT (RED)	G#2
18	PART ON/OFF RIGHT1	PART ON/OFF RIGHT1 (RED)	A2
19	PART ON/OFF RIGHT2	PART ON/OFF RIGHT2 (RED)	A#2
20	PART ON/OFF RIGHT3	PART ON/OFF RIGHT3 (RED)	B2
21	PART SELECT LEFT	PART SELECT LEFT (RED)	C#2
22	PART SELECT RIGHT1	PART SELECT RIGHT1 (RED)	D2
23	PART SELECT RIGHT2	PART SELECT RIGHT2 (RED)	D#2
24	PART SELECT RIGHT3	PART SELECT RIGHT3 (RED)	E2
25	HARMONY / ARPEGGIO	HARMONY / ARPEGGIO (RED)	B5
26	SUSTAIN	SUSTAIN (RED)	C2
27	BASS	BASS (RED)	G5
28	SYNTH	SYNTH (RED)	G#5
29	PERC&DRUMS	PERC&DRUMS (RED)	A5
30	EXPANSION/USER	EXPANSION/USER (RED)	A#5
31	STRINGS	STRINGS (RED)	D#5
32	BRASS	BRASS (RED)	E5
33	WOODWIND	WOODWIND (RED)	F5
34	CHOIR&PAD	CHOIR&PAD (RED)	F#5
35	PIANO&E.PIANO	PIANO&E.PIANO (RED)	A4
36	ORGAN	ORGAN (RED)	A#4
37	GUITAR	GUITAR (RED)	B4
38	ACCORDION	ACCORDION (RED)	C5
39	ROTARY SP/ASSIGNABLE	ROTARY SP/ASSIGNABLE (RED, BLUE)	D#3
40	MODULATION HOLD	MODULATION HOLD (RED)	D3

Turn	SW Name/Display	LED made to turn on	Note No.
41	PLAYER	-	C2
42	MIDI PLAY/PAUSE	MIDI START/STOP (RED, BLUE)	C#2
43	MIDI PREV	-	D2
44	MIDI NEXT	-	D#2
45	RECORDING	SONG RECORDING (RED)	E2
46	AUDIO PLAY/PAUSE	AUDIO START/STOP (RED, BLUE)	F2
47	AUDIO PREV	-	F#2
48	AUDIO NEXT	-	G2
49	POP&ROCK	POP&ROCK (RED)	G#2
50	DANCE	DANCE (RED)	A2
51	R&B	R&B (RED)	A#2
52	JAZZ	JAZZ (RED)	B2
53	LATIN	LATIN (RED)	C3
54	BALLROOM	BALLROOM (RED)	C#3
55	MOVIE&SHOW	MOVIE&SHOW (RED)	D3
56	ENTERTAINER	ENTERTAINER (RED)	D#3
57	WORLD	WORLD (RED)	E3
58	EXPANSION/USER	EXPANSION/USER (RED)	F3
59	ASSIGN	-	F#3
60	TRANPOSE -	-	G3
61	TRANPOSE +	-	G#3
62	TEMPO -	-	A3
63	TEMRO +	-	A#3
64	TAP TEMPO	-	B3
65	MIXER/EQ	-	C4
66	DIRECT ACCESS	-	C#4
67	ACMP	ACMP (RED)	E3
68	OTS LINK	OTS LINK (RED)	F3
69	AUTO FILL IN	AUTO FILL IN (RED)	F#3
70	INTRO I	INTRO I (RED, BLUE)	G3
71	INTRO II	INTRO II (RED, BLUE)	G#3
72	INTRO III	INTRO III (RED, BLUE)	A3
73	MAIN VARIATION A	MAIN VARIATION A (RED, BLUE)	A#3
74	MAIN VARIATION B	MAIN VARIATION B (RED, BLUE)	B3
75	MAIN VARIATION C	MAIN VARIATION C (RED, BLUE)	C4
76	MAIN VARIATION D	MAIN VARIATION D (RED, BLUE)	C#4
77	BREAK	BREAK (RED, BLUE)	D4
78	ENDING/rit. I	ENDING/rit. 1 (RED, BLUE)	D#4
79	ENDING/rit. II	ENDING/rit. 2 (RED, BLUE)	E4
80	ENDING/rit. III	ENDING/rit. 3 (RED, BLUE)	F4

● Panel PCB division check 2 (PSR-SX900)
(PNC circuit board)

Turn	SW Name/Display	LED made to turn on	Note No.
1	DEC	-	G2
2	INC	-	G#2
3	ASSIGNABLE A	-	E4
4	ASSIGNABLE B	-	F4
5	ASSIGNABLE C	-	F#4
6	ASSIGNABLE D	-	G4
7	ASSIGNABLE E	-	G#4
8	ASSIGNABLE F	-	A4
9	EXIT	-	D3
10	ENTER	-	D#3
11	SYNC STOP	SYNC STOP (RED)	G#4
12	SYNC START	SYNC START (RED)	A4
13	START/STOP	START/STOP (RED, BLUE)	A#4
14	REGIST. BANK -	-	B4
15	REGIST. BANK +	-	C5
16	FREEZE	FREEZE (RED)	C#5
17	MEMORY	-	D5
18	REG. MEM. 1	REG. MEM. 1 (RED, BLUE)	D#5
19	REG. MEM. 2	REG. MEM. 2 (RED, BLUE)	E5
20	REG. MEM. 3	REG. MEM. 3 (RED, BLUE)	F5
21	REG. MEM. 4	REG. MEM. 4 (RED, BLUE)	F#5
22	REG. MEM. 5	REG. MEM. 5 (RED, BLUE)	G5
23	REG. MEM. 6	REG. MEM. 6 (RED, BLUE)	G#5
24	REG. MEM. 7	REG. MEM. 7 (RED, BLUE)	A5
25	REG. MEM. 8	REG. MEM. 8 (RED, BLUE)	A#5

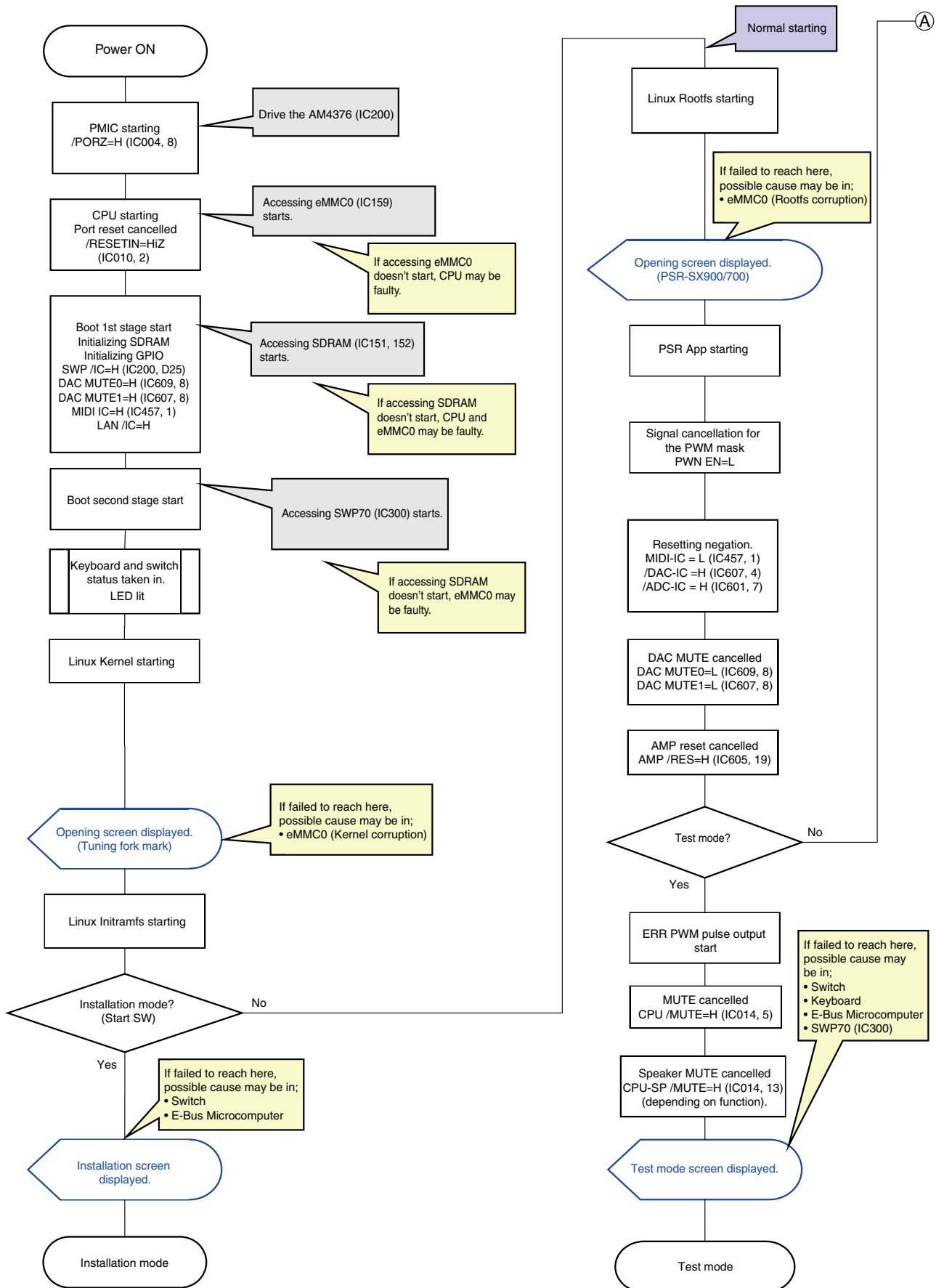
● Panel PCB division check 2 (PSR-SX700)
(PNC circuit board)

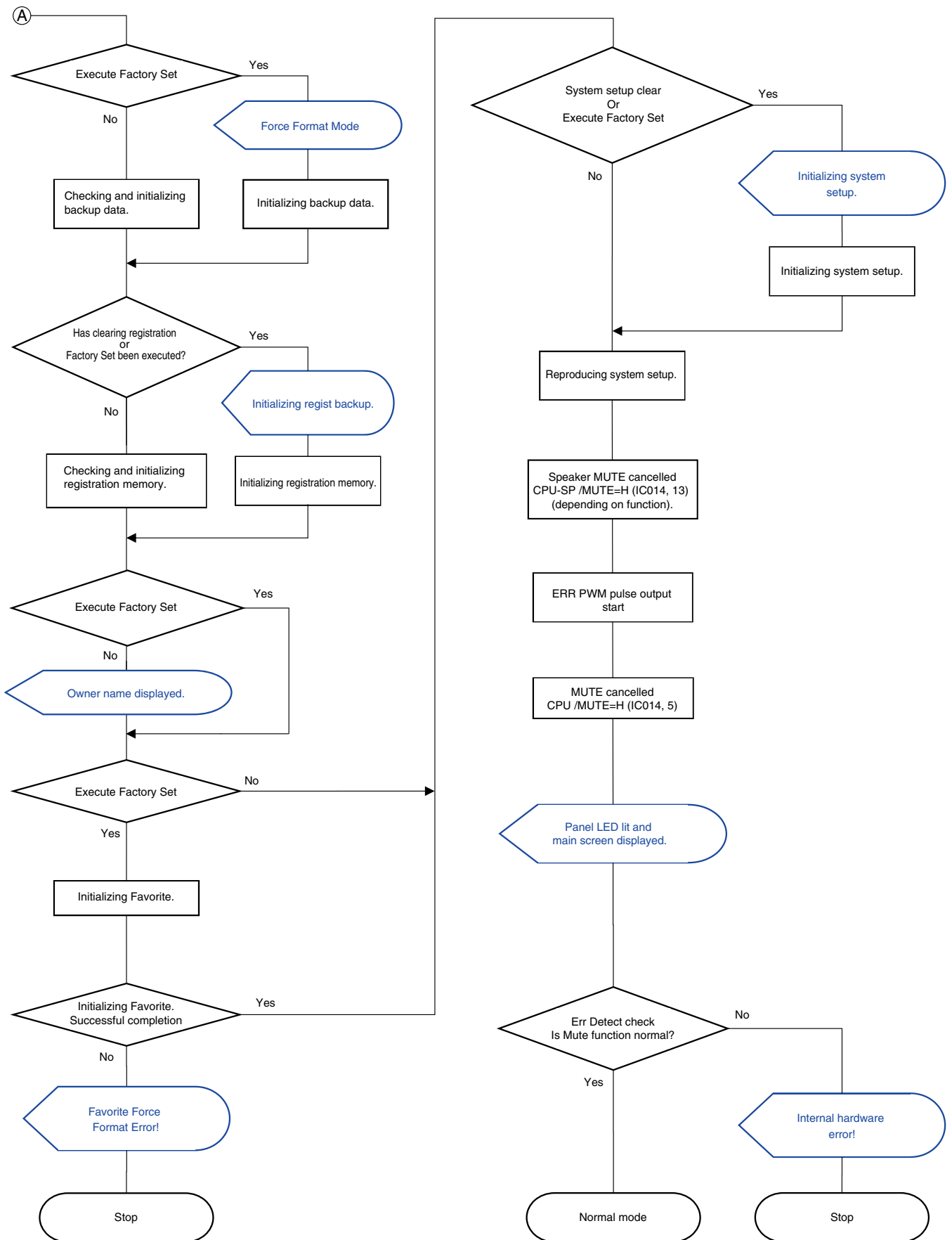
Turn	SW Name/Display	LED made to turn on	Note No.
1	DEC	-	F2
2	INC	-	F#2
3	ASSIGNABLE A	-	D4
4	ASSIGNABLE B	-	D#4
5	ASSIGNABLE C	-	E4
6	ASSIGNABLE D	-	F4
7	ASSIGNABLE E	-	F#4
8	ASSIGNABLE F	-	G4
9	EXIT	-	C3
10	ENTER	-	C#3
11	SYNC STOP	SYNC STOP (RED)	F#4
12	SYNC START	SYNC START (RED)	G4
13	START/STOP	START/STOP (RED, BLUE)	G#4
14	REGIST. BANK -	-	A4
15	REGIST. BANK +	-	A#4
16	FREEZE	FREEZE (RED)	B4
17	MEMORY	-	C5
18	REG. MEM. 1	REG. MEM. 1 (RED, BLUE)	C#5
19	REG. MEM. 2	REG. MEM. 2 (RED, BLUE)	D5
20	REG. MEM. 3	REG. MEM. 3 (RED, BLUE)	D#5
21	REG. MEM. 4	REG. MEM. 4 (RED, BLUE)	E5
22	REG. MEM. 5	REG. MEM. 5 (RED, BLUE)	F5
23	REG. MEM. 6	REG. MEM. 6 (RED, BLUE)	F#5
24	REG. MEM. 7	REG. MEM. 7 (RED, BLUE)	G5
25	REG. MEM. 8	REG. MEM. 8 (RED, BLUE)	G#5

■ INITIAL SETTING

- [MASTER VOLUME] dial: MIN
- LIVE CONTROL 1, 2 knobs: CENTER
- [GAIN]: MIN
- [MIC/GUITAR]: MIC

SYSTEM BOOTING FLOWCHART





■ DMHBS/DMH/DMM CIRCUIT BOARD CHECK METHOD

The DMHBS/DMH/DMM Circuit Board is provided with test points for service check purposes.
Check the test points on the DMHBS/DMH/DMM Circuit Board if the following symptoms appear.

Symptoms and check items

- (1) No LCD display with Power SW ON --> Check items ② to ⑧ sequentially.
(2) No sound or distorted sound --> Check items ①, ⑨ to ⑯ sequentially and OUTPUT check items.

Test Point

NO.	Test Point	Circuit	Judgment criteria	Measured by	Parts with possible defects
①	+16P	Power supply for Power amplifier IC	16V±1V	Multimeter	TH1 or Q3 (On AJK circuit board)
②	+16D	Power supply for digital circuit	16V±1V	Multimeter	TH1 or Q3 (On AJK circuit board)
③	+5D	5V power for digital circuit	5.0V±0.5V	Multimeter	IC613
④	+3.3D	3.3V power for digital circuit	3.3V±0.3V	Multimeter	IC613
⑤	+5LED	5V power for panel LED circuit	5.0V±0.5V	Multimeter	IC613
⑥	+12D	12V power for LCD	12V±1V	Multimeter	IC614
⑦	+1.0D	1.0V power for TG	1.0V±0.1V	Multimeter	IC301
⑧	RESET	CPU & memory reset signal	3.3V±0.3V	Multimeter	IC004
⑨	+12A	12V power for analog circuit	12V±1V	Multimeter	IC615
⑩	+5A	5V power for analog circuit	5.0V±0.5V	Multimeter	IC616
⑪	MAINL	MAIN output L channel	There shall be audio output without distortion.	Signal Checker	IC609 or IC611
⑫	MAINR	MAIN output R channel	There shall be audio output without distortion.	Signal Checker	IC609 or IC611
⑬	HPL	HP output L channel	There shall be audio output without distortion.	Signal Checker	IC609 or IC612
⑭	HPR	HP output R channel	There shall be audio output without distortion.	Signal Checker	IC609 or IC612
⑮	SUB1	SUB1 output (PSR-SX900 only)	There shall be audio output without distortion.	Signal Checker	IC607 or IC608 (PSR-SX900 only)
⑯	SUB2	SUB2 output (PSR-SX900 only)	There shall be audio output without distortion.	Signal Checker	IC607 or IC608 (PSR-SX900 only)

Note1: Use the standard AC adapter PA-300C for check operation.

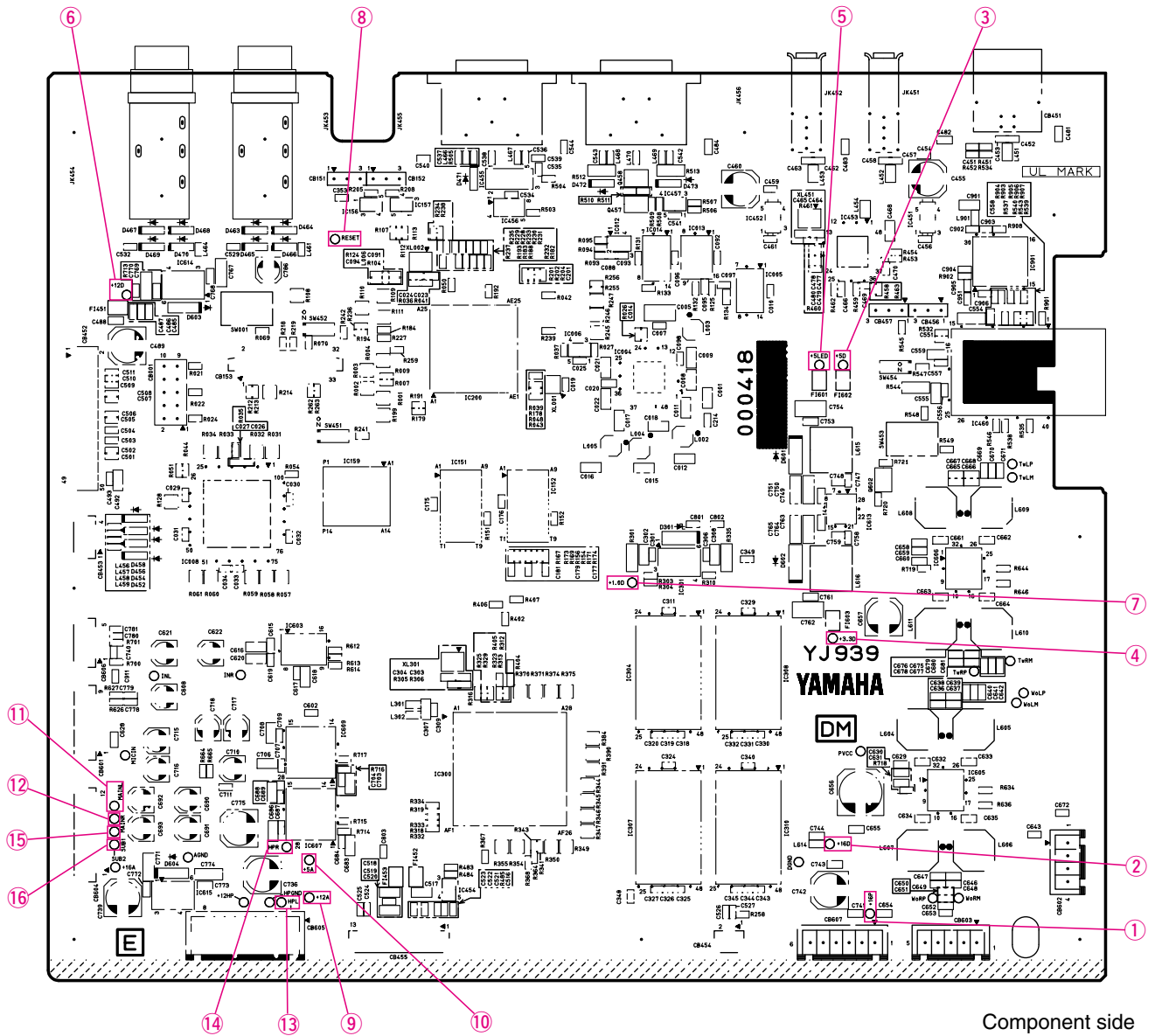
Output states

PSR-SX700, PSR-SX900

NO.	WO-SP	TW-SP	PHONES	MAIN OUTPUT	SUB OUTPUT (PSR-SX900 only)	Parts with possible defects
1	×	×	×	×	×	IC200, IC300, IC012 or CPU Error Detect Circuit
2	×	×	○	○	○	IC200, SP-/MUTE Signal or HP JACK
3	○	×	○	○	○	IC606
4	×	○	○	○	○	IC605 (PSR-SX900), IC606 (PSR-SX700)
5	○	○	×	×	○	IC609
6	○	○	○	○	×	IC607, Q5, 8, 10, 11 (On AJK circuit board)
7	○	○	×	○	○	IC612, Q601 or RY200 (On HP circuit board)
8	○	○	○	×	○	IC611, Q1, 2, 6, 7 (On AJK circuit board)

Note: "○" mark expresses normalcy and "×" mark expresses a failed state.

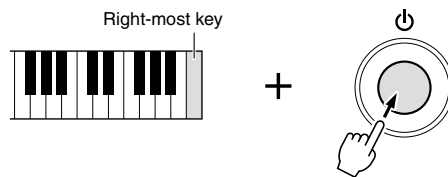
DMHBS/DMH/DMM Circuit Board



Component side

■ RESTORING THE FACTORY-PROGRAMMED SETTINGS

While holding the right-most key on the keyboard, turn the power on. This restores all settings to the factory default.



NOTE

- You can also restore the factory default value of specified settings or delete all files/folders in the User drive on the display called up via [MENU] → [Utility] → [Factory Reset/Backup] → page 1/2. For details, refer to the "Utility" of the Reference Manual on the website.
- If you simply want to restore the default value of any parameter you've changed, touch and hold the value on the display.

■ DATA BACKUP AND RESTORE

Data Backup

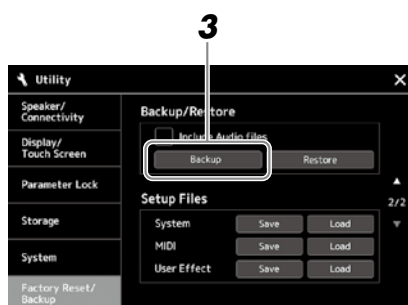
You can back up all data in the User drive of this instrument (except for Expansion Voices/Styles) and all settings to the USB flash drive as a single file. This procedure is recommended for data security and backup in case of damage.

1 Connect the USB flash drive to the [USB TO DEVICE] terminal as backup destination.

NOTE

- You can back up User data such as Voice, Song, Style, and Registration Memory by copying them individually to a USB flash drive.
- If the total size of the target data for backup exceeds 3.9 GB (excluding Audio files), the backup function is not available. If this happens, back up the User data by copying the items individually.
- You can save the System settings, MIDI settings, User Effect settings, and Playlist Records individually.

2 Call up the display via [MENU] → [Utility] → [Factory Reset/Backup] → page 2/2.



If you want to include the audio files to the backup file:

Before going on to step 3, enter a checkmark by touching the “Include Audio files” checkbox.

3 Touch [Backup] to save the backup file to the USB flash drive.

Restoring the Backup File

To do this, touch [Restore] in step 3 above. When the operation is complete, the instrument will be restarted automatically.

NOTICE

Completing the backup/restore operation may take a few minutes. Do not turn off the power during backup or restoring. If you turn off the power during backup or restoring, data may be lost or damaged.

■ VERSION UPGRADE

Download the version upgrade program from the Yamaha official website.

● Preparation

- 1 Prepare a USB flash drive with free capacity larger than the data file size to be installed. (about 1.5 GB)
- 2 Copy the data file to be installed to the root of the USB flash drive.

Data file to be installed	
PSR-SX700	PSR-SX700SETUP.PRG
PSR-SX900	PSR-SX900SETUP.PRG

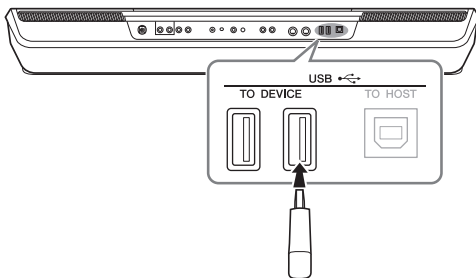
● Installation procedure



Never turn the instrument off while installing.
 It may break the boot Flash ROM device.
 Particularly, turning off the power immediately after starting installation may cause damage to the boot.
 If operation still fails even after re-installation, the DMHBS/DMH/DMM circuit board must be replaced.
 Never pull off the USB flash drive from the instrument while installing.

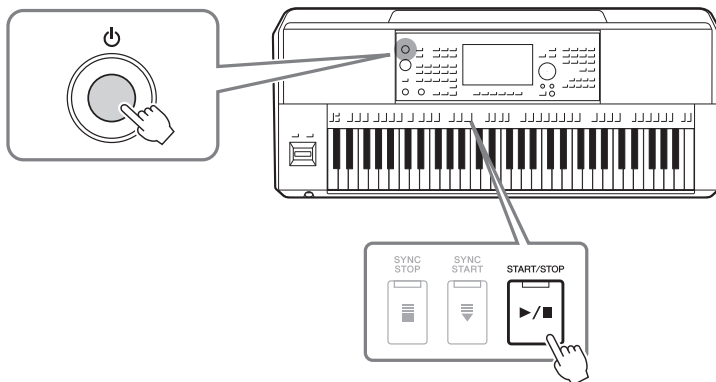
Should a trouble occurs, refer to the Troubleshooting section.

- 1 Insert the USB flash drive including the install data to the USB [TO DEVICE] terminal.



* This figure shows the PSR-SX900.

- 2 While holding down the [START/STOP] button, press the [⏻] (Standby/On) switch.



- 3 Program installer is booting up. (It may take some minutes to boot up)



- 4 After initializing finish, press the [START/STOP] button, then start program upgrading.

- 5 While upgrading, the progress bar will appear.
About 1 hour will be taken for upgrading complete.



- 6 After the below message being displayed, press the [⏻] (Standby/On) switch to turn the power off.
Remove the USB flash drive from the instrument.



● Version check and Factory Set execution

1 Referring to “Starting up Test mode” (page 41), execute the test program “001: Version” (Page 42) to check the version.

2 Execute the test program “064: Factory Set” (Page 51) to obtain the Factory Set state.



- The User drive is not cleared.
To reset User to the Factory Set state, execute the test program “063: Local Contents write” in the test mode. (At the same time as when the User drive is cleared, the Local Contents corresponding to the destination is installed.)
- The back-up setting will be reset to the initial value.

3 Execute the test program “065: Test Exit” (Page 51) to exit from the Test mode and to enter the normal mode.

4 Press the [⏻] (Standby/On) switch to turn the power off.

● Trouble Shooting

Q1. The power was turned off or the USB flash drive was removed.

A1. Re-installation is required. Execute the installation procedure all over again.

Q2. An error message is shown on the display and installation is not executed.

A1. Check the following points.

- Is the USB flash drive is inserted properly?
- Is there dust or anything attached to the terminal of the USB flash drive?
- Does the data file to be installed exist in the root of the USB flash drive?
- Is the data in the USB flash drive or the USB flash drive itself free from corruption?
- Does the data file to be installed agree with the model?
- Try installation again by using another USB flash drive.

DIGITAL WORKSTATION

PSR-SX7000

PARTS LIST


■ CONTENTS

OVERALL ASSEMBLY	2
UPPER CASE ASSEMBLY	5
LOWER CASE ASSEMBLY	6
KEYBOARD ASSEMBLY	7
ELECTRICAL PARTS	9-13

Notes : DESTINATION ABBREVIATIONS

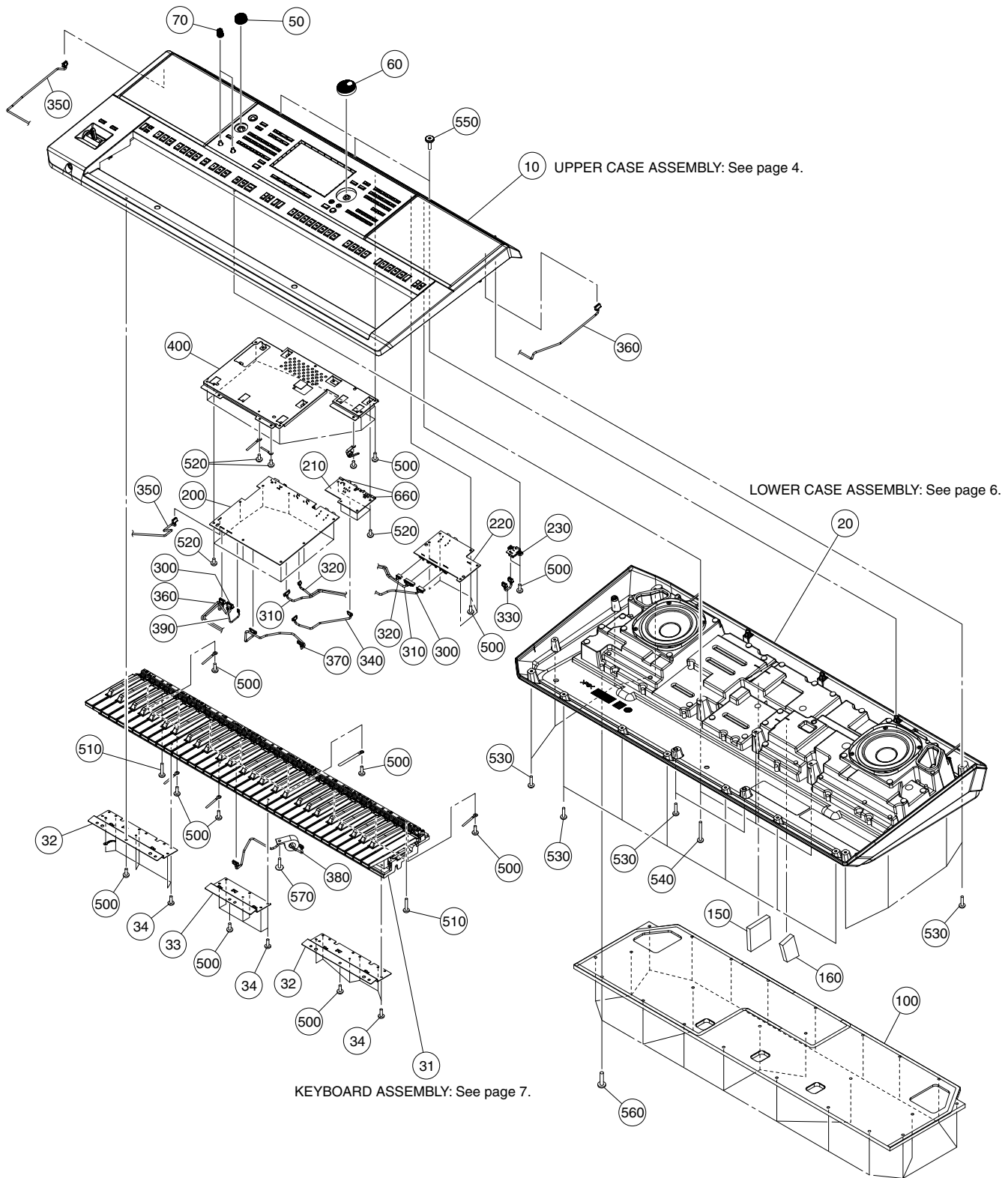
A : Australian model	O : Chinese model
B : British model	P : Brazilian model
C : Canadian model	Q : South-east Asia model
D : German model	T : Taiwan model
E : European model	U : U.S.A. model
F : French model	V : General export model (110V)
H : North European model	W : General export model (220V)
I :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











■ WARNING

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

- The numbers "QTY" show quantities for each unit.
- The parts with "--" in "PART NO." are not available as spare parts.
- This mark "}" in the REMARKS column means 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.

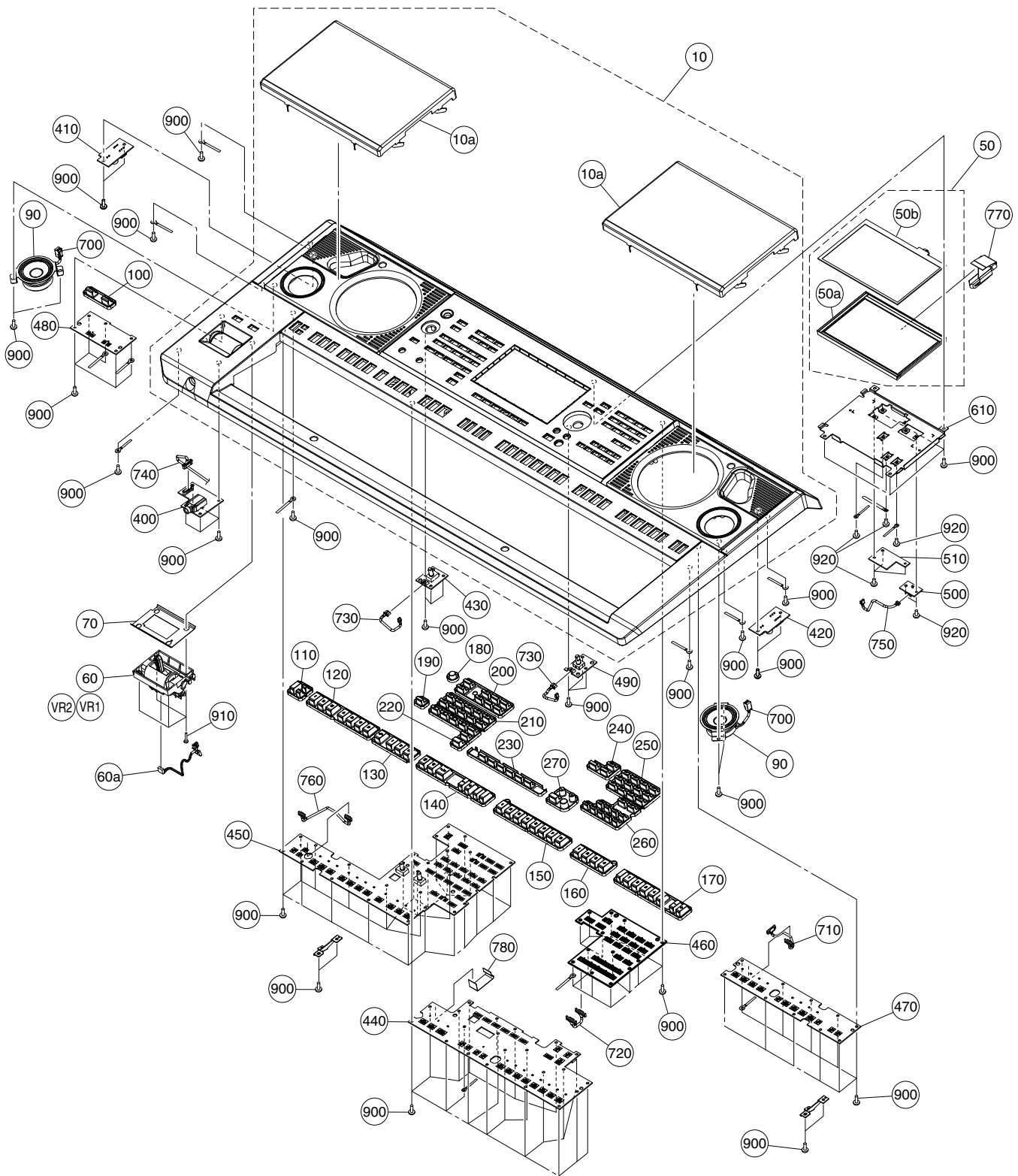
OVERALL ASSEMBLY



REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY
	--	OVERALL ASSEMBLY		総 組 立	PSR-SX700	
	--	OVERALL ASSEMBLY		総 組 立	E,B,U,P,A,O,Z,Y (VAZ6420)	
	--	OVERALL ASSEMBLY		総 組 立	I (VAZ6430)	
	--	OVERALL ASSEMBLY		総 組 立	V (VAZ6440)	
10	--	UPPER CASE ASSEMBLY		上 ケー ス A s s ' y	(VAZ6520)	
20	--	LOWER CASE ASSEMBLY		下 ケー ス A s s ' y	(VAU4930)	
31	--	KEYBOARD ASSEMBLY	16MX 61 2M	1 6 M X - 6 1 鍵 盤	(ZZ55080)	
32	--	KEYBOARD STAY F		鍵 盤 金 具 F	(VAV8770)	2
33	--	KEYBOARD STAY F2		鍵 盤 金 具 F 2	(VCD2860)	
34	WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タ イ ト + B I N D		18
* 50	VAP50600	VOLUME KNOB BLACK		ポ リ ュ ー ム ツ マ ミ	MASTER VOLUME	
60	ZA304901	ENCODER KNOB BLACK		エ ン コ ー ダ ー 成 形 品	Data entry	
* 70	VAU38000	CONTROL KNOB		コ ン ト ロ ー ル ノ ブ	LIVE CONTROL	2
* 100	VAU48100	BOTTOM BOARD		底 板		
* 150	VAY96200	SOUND ABSORBENT FELT	58X58XT10	吸 音 材		
* 160	VAZ78100	SOUND ABSORBENT FELT	60X33XT10	吸 音 材		
* 200	VAP33300	CIRCUIT BOARD	DMM	D M M シ ー ト		
* 210	VAS67100	CIRCUIT BOARD	MIC	M I C シ ー ト		
* 220	VAP54600	CIRCUIT BOARD	AJK	A J K シ ー ト		
* 230	VAP54900	CIRCUIT BOARD	DCJK	D C J K シ ー ト		
300	--	CONNECTOR ASSEMBLY	XH-XH 6P 630mm	X H S 束 線	(VAX9850)	
310	--	CONNECTOR ASSEMBLY	GH-PH 12P 270mm	G H - P H S 束 線	(VAX9930)	
320	--	CONNECTOR ASSEMBLY	GH-PH 5P 200mm	G H - P H S 束 線	(VAX9950)	
330	--	CONNECTOR ASSEMBLY	XH-XH 4P 60mm	X H S 束 線	(VAX9860)	
340	--	CONNECTOR ASSEMBLY	GH-GH 9P 150mm	G H S 束 線	(VAX9400)	
350	--	CONNECTOR ASSEMBLY	XH-XH 4P 520mm	X H S 束 線	(VAX9880)	
360	--	CONNECTOR ASSEMBLY	XH-XH 5P 950mm	X H S 束 線	(VAX9900)	
370	--	CONNECTOR ASSEMBLY	GH-GH 13P 180mm	G H S 束 線	(VAX9410)	
380	--	CONNECTOR ASSEMBLY	GH-PH 7P 220mm	G H - P H S 束 線	(VCV0900)	
390	--	CONNECTOR ASSEMBLY	GH-GH 2P 70mm	G H S 束 線	(VAX9450)	
400	--	SHIELD COVER ASSEMBLY		シールドカバー A s s ' y	(VCA4800)	
500	WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タ イ ト + B I N D		26
510	WE968000	BIND HEAD SCREW	3.0X14 MFZN2W3	小 ネ ジ + B I N D		2
520	WE878300	BIND HEAD SCREW	3.0X6 MFZN2B3	小 ネ ジ + B I N D		16
530	WE98740R	BIND HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	B タ イ ト + B I N D		16
540	WF47340R	BIND HEAD TAPPING SCREW-B	3.0X25 MFZN2W3	B タ イ ト + B I N D		3
* 550	VAX87100	LOW HEAD TAPPING SCREW-B	3.0X12	B タ イ ト + 低 頭 C A P		3
560	WF15410R	BIND HEAD TAPPING SCREW-B	4.0X16 MFZN2W3	B タ イ ト + B I N D		24
570	WF00210R	PW HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	B タ イ ト + P W H		
660	--	NONWOVEN CLOTH	12X12X0.90	不 織 布	(VDF9010)	2
		ACCESSORIES		付 属 品		
* 	ZF451801	MUSIC REST WITH BAG BLACK		譜 面 板 袋 入 り		
* 	VCN84700	AC ADAPTOR	PA-300C	A C ア ダ プ タ ー	} (ZW58780)	
* 	--	AC ADAPTOR	PA-300C	A C ア ダ プ タ ー		
* 	VAC76400	POWER SUPPLY CORD	E 2P 2.5m 2.5A	電 源 コ ー ド セ ッ ト	E,I,V	
* 	V3126501	POWER SUPPLY CORD	B 2P 2.5m	電 源 コ ー ド セ ッ ト	B	
* 	ZC295100	POWER SUPPLY CORD	UC 2P 7A 2.44m	電 源 コ ー ド セ ッ ト	U	
* 	WU795100	POWER SUPPLY CORD	BRA 2P 2.5m 2.5A	電 源 コ ー ド セ ッ ト	P	
* 	ZN855800	POWER SUPPLY CORD	AS 2SHIN	電 源 コ ー ド セ ッ ト	A	
* 	WC90170R	POWER SUPPLY CORD	GB 2P 2.5m	電 源 コ ー ド セ ッ ト	O	
* 	ZT271700	POWER SUPPLY CORD	IN 2P 2.5A 1.8m 25	電 源 コ ー ド セ ッ ト	Z	

*: New Parts

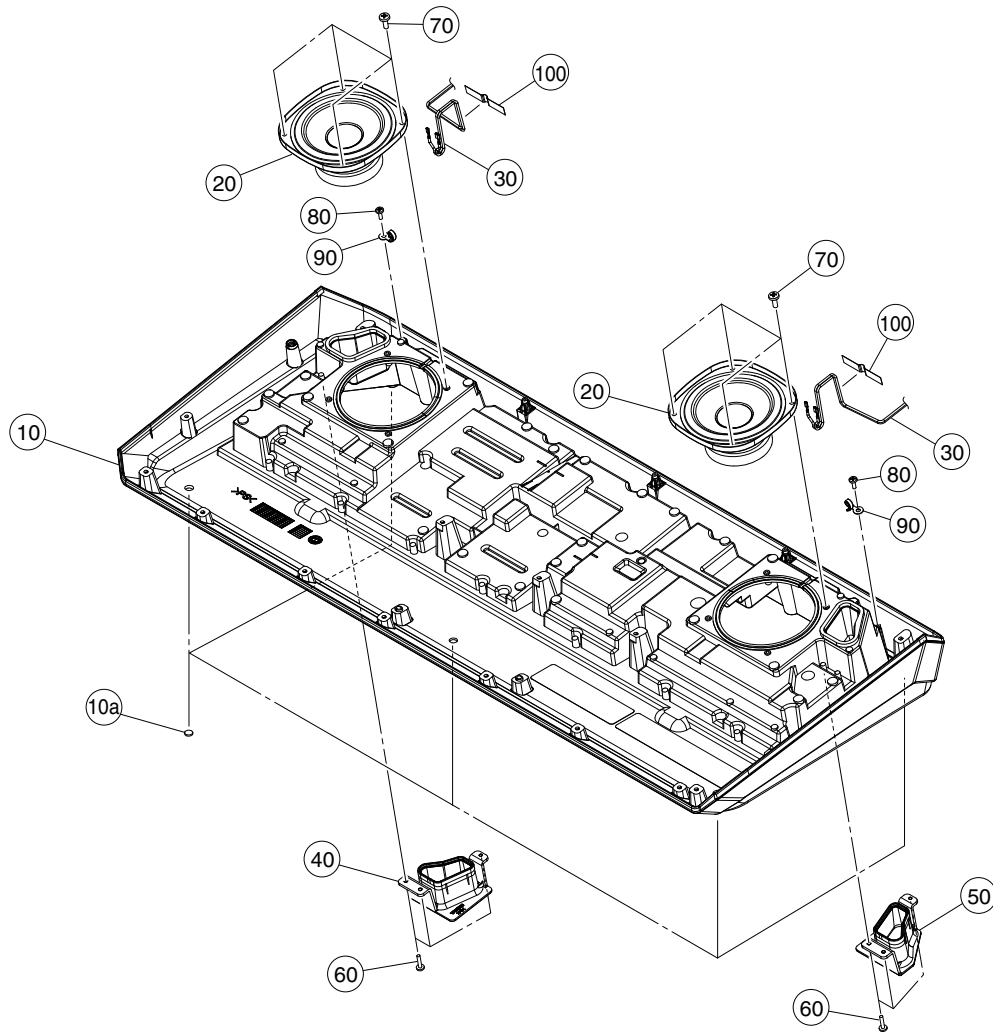
■ UPPER CASE ASSEMBLY



REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY
* 10	VAZ42400	UPPER CASE ASSEMBLY		上 ケース A s s ' y	PSR-SX700	
* 10a	VCE96100	UPPER CASE ASSEMBLY		上 ケース A s s ' y	(VAZ6520)	
* 50	VAY39600	UPPER CASE SUB ASSEMBLY		上 ケース サブ A s s ' y		2
50a	--	SP GRILLE ASSEMBLY		S P グリル A s s ' y		
50b	--	LCD SUB ASSEMBLY		L C D S - A s s ' y		
60	WW997301	CRYSTAL DISPLAY	M070SWP1 R5	液 晶 デ ィ ス プ レ イ	(ZN54710)	
60a	--	TOUCH PANEL	FID-1155-181-A07	タ ッ チ パ ネ ル	(VAY4220)	
VR1	WN154401	JOYSTICK		ジ ョ イ ス テ ィ ッ ク		
VR2	WN154401	CONNECTOR ASSEMBLY JS	PH-PH 4P 150mm	J S 束 線	(VAX9280)	
70	--	ROTARY VARIABLE RESISTOR	B 10.0K RK09Y11L00	ロ ー タ リ ー V R 1 連	(WY02620)(YD299A0)	
90	YD681A01	ROTARY VARIABLE RESISTOR	B 10.0K RK09Y11L00	ロ ー タ リ ー V R 1 連	(WY02620)(YD299A0)	
100	VAX47400	NONWOVEN FABRIC CLOTH		不 織 布	(ZP75190)	2
110	VAX46700	LOUD SPEAKER	5.0cm 6ohm 10W	S W A s s ' y H L D	TWEETER	
120	VAX46800	SW ASSEMBLY	HL D	S W A s s ' y A C M	MODULATION HOLD,	
130	VAX46900	SW ASSEMBLY	ACM	S W A s s ' y I N T	ROTARY SP/ASSIGNABLE	
140	VAX47000	SW ASSEMBLY	INT	S W A s s ' y B R K	ACMP, OTS LINK, AUTO FILL IN	
150	VAX47100	SW ASSEMBLY	BRK	S W A s s ' y S Y N	INTRO, MAIN VARIATION	
160	VAX47200	SW ASSEMBLY	SYN	S W A s s ' y R E G	BREAK, ENDING/rit.	
170	VAX47300	SW ASSEMBLY	REG	S W A s s ' y O T S	SYNC STOP, SYNC START, START/STOP	
180	VAX53100	SW ASSEMBLY	OTS	S W A s s ' y M P C	REGISTER BANK (-,+), FREEZE, MEMORY	
190	VAX52300	SW ASSEMBLY	MPC	S W A s s ' y	REGISTRATION MEMORY (1-8)	
200	VAX47500	PN SWITCH	PW	P N ス イ ッ チ P W	ONE TOUCH SETTING (1-4)	
210	VAX47600	PN SWITCH	ASN	P N ス イ ッ チ A S N	MULTI PAD CONTROL	
220	VAX52500	SW ASSEMBLY	SNG	S W A s s ' y S N G	(SELECT, 1-4, STOP)	
230	VAX52600	SW ASSEMBLY	STL	S W A s s ' y S T L	UPPER OCTAVE (-,+)	
240	VAX47800	PN SWITCH	ASB	P N ス イ ッ チ A S B	Standby/On	
250	VAX47900	SW ASSEMBLY	MIC	S W A s s ' y M I C	ASSIGN	
260	VAX48000	SW ASSEMBLY	VCE	S W A s s ' y V C E	PLAYER, RECORDING, SONG playback control	
270	VAX53000	PN SWITCH	PRT	S W A s s ' y P R T	STYLE (POP&ROCK-EXPANSION/USER)	
400	VAP55100	SW ASSEMBLY	ENT	P N ス イ ッ チ E N T	TRANSPOSE (-,+), TEMPO (-,+), RESET/TAP TEMPO, MIXER/EQ, DIRECT ACCESS	
410	VAP55500	SW ASSEMBLY	HP	H P シ ー ト	ASSIGNABLE (A-F)	
420	VAP55700	SW ASSEMBLY	NWL	N W L シ ー ト	MIC SETTING, MENU, PLAYLIST	
430	VAP55300	SW ASSEMBLY	NWR	N W R シ ー ト	VOICE (PIANO&E.PIANO- EXPANSION/USER)	
440	VAP56400	SW ASSEMBLY	MVR	M V R シ ー ト	HARMONY/ARPEGGIO, SUSTAIN, PART SELECT, PART ON/OFF (LEFT HOLD, LEFT, RIGHT1-3)	
450	VAS66300	SW ASSEMBLY	PNC	P N C シ ー ト	DEC, INC, EXIT, ENTER	
460	VAS66400	SW ASSEMBLY	PNL	P N L シ ー ト		
470	VAS66800	SW ASSEMBLY	PNR	P N R シ ー ト		
480	VAS66900	SW ASSEMBLY	PS1	P S 1 シ ー ト		
490	VAY85600	SW ASSEMBLY	PS2	P S 2 シ ー ト		
500	VAS67000	SW ASSEMBLY	ENC	E N C シ ー ト		
510	VAP56600	SW ASSEMBLY	TP	T P シ ー ト		
610	--	SW ASSEMBLY	FFC	F F C シ ー ト		
700	--	LCD SHIELD ASSEMBLY		L C D シ ー ル ド A s s ' y	(VAZ2900)	
710	--	VH-FASTON	2P	V H - F A S T O N	(VAX9980)	2
720	--	CONNECTOR ASSEMBLY	GH-GH 12P 70mm	G H S 束 線	(VAX9420)	
730	--	CONNECTOR ASSEMBLY	GH-GH 15P 60mm	G H S 束 線	(VAX9430)	
740	--	CONNECTOR ASSEMBLY	GH-PH 3P 55mm	G H - P H S 束 線	(VAX9970)	2
750	--	CONNECTOR ASSEMBLY	PH-PH 8P 650mm	P H S 束 線	(VAX8970)	
760	--	CONNECTOR ASSEMBLY	GH-GH 4P 120mm	G H S 束 線	(VAX9440)	
770	VAY00000	CONNECTOR ASSEMBLY	GH-GH 9P 100mm	G H S 束 線	(VAX9460)	
780	VAY00100	FFC CABLE ASSEMBLY	FFC 50P 150mm	F F C ケ ー ブ ル A s s ' y		
900	WE774301	FFC CABLE ASSEMBLY	FFC 32P 60mm	F F C ケ ー ブ ル A s s ' y		
910	WE97340R	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タ イ ト + B I N D		110
920	WE878300	BIND HEAD TAPPING SCREW-B	3.0X16 MFZN2W3	B タ イ ト + B I N D		4
		BIND HEAD SCREW	3.0X6 MFZN2B3	小 ネ ジ + B I N D		8

*: New Parts

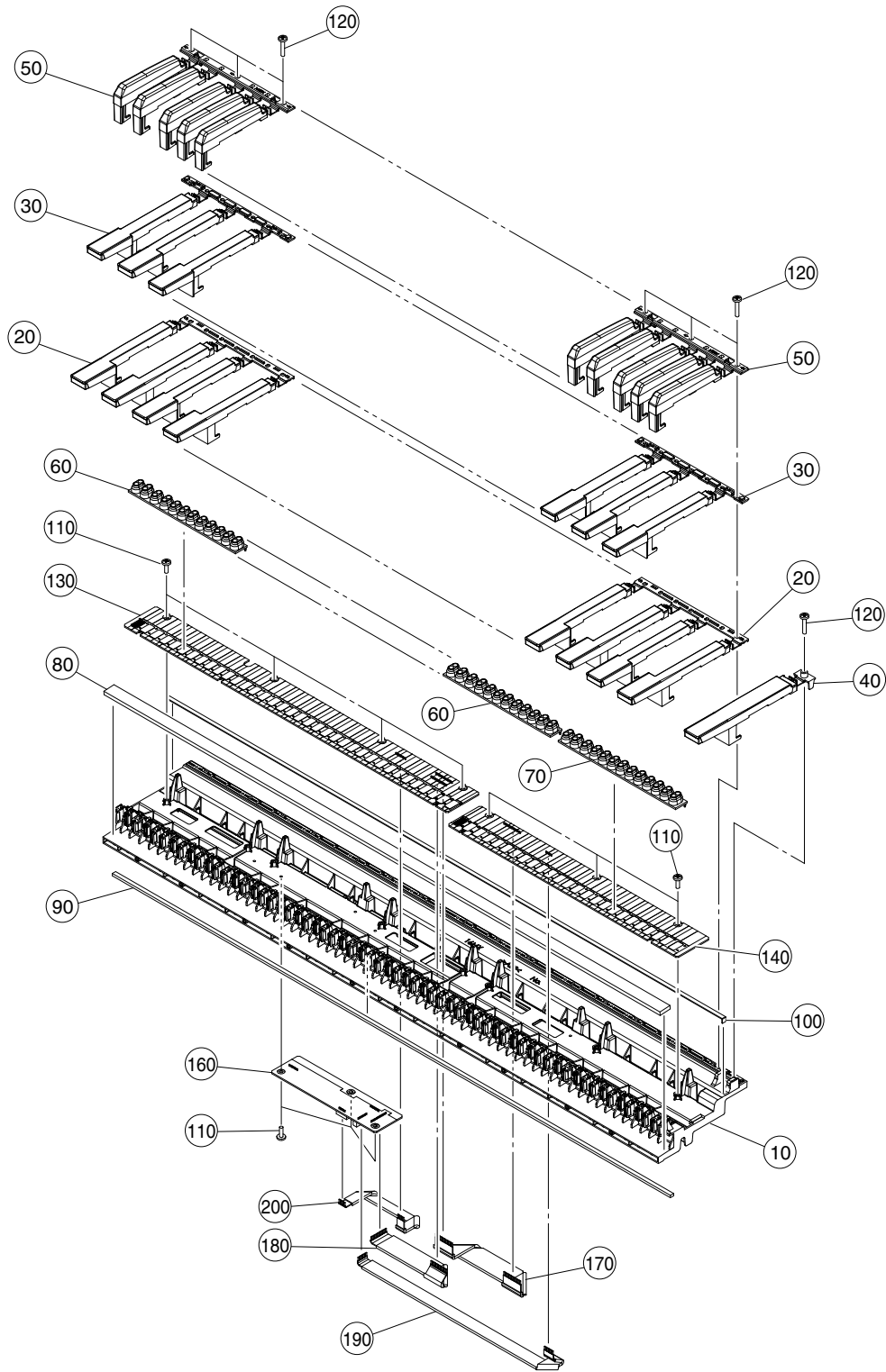
LOWER CASE ASSEMBLY



REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY
		LOWER CASE ASSEMBLY		下 ケ ー ス A s s ' y	PSR-SX700	
	--	LOWER CASE ASSEMBLY		下 ケ ー ス A s s ' y	(VAU4930)	
* 10	VAU54700	LOWER CASE SUB ASSEMBLY		下 ケ ー ス サ ブ A s s ' y		
10a	CB04375R	RUBBER FOOT BLACK	T1.6	ゴ ム 脚		5
* 20	YK256A00	LOUD SPEAKER	13.0cm 4ohm 20W	ス ピ ー カ	WOOFER	2
30	--	VH-FASTON	3P 430mm	V H - F A S T O N	(VAX9990)	2
40	--	PORT L ASSEMBLY	LEFT	ポ ー ト L A s s ' y	(VAU5040)	
50	--	PORT R ASSEMBLY	RIGHT	ポ ー ト R A s s ' y	(VAU5050)	
60	WE98740R	BIND HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	B タ イ ト + B I N D		6
70	WE97450R	BIND HEAD TAPPING SCREW-B	4.0X10 MFZN2W3	B タ イ ト + B I N D		8
80	WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タ イ ト + B I N D		2
90	--	CORD CLAMP		束 線 止 め	(CB83620)	2
100	--	FILAMENT TAPE	12X70	粘 着 テ ー プ	(V255510)	2

*: New Parts

KEYBOARD ASSEMBLY



REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY
		KEYBOARD ASSEMBLY	16MX 61 2M	鍵盤 A s s ' y	PSR-SX700
	--	KEYBOARD ASSEMBLY	16MX 61 2M	1 6 M X - 6 1 鍵盤	(ZZ55080)
10	--	KEYBOARD FRAME	61	鍵盤 フレーム	(ZZ55640)
10	--	KEYBOARD FRAME	61	鍵盤 フレーム	(ZZ55641)
* 20	ZN218700	WHITE KEY	16MX CEGB	白 鍵 C E G B	5
* 30	ZN218800	WHITE KEY	16MX DFA	白 鍵 D F A	5
40	ZN218900	WHITE KEY	16MX C	白 鍵 C	
50	ZN219000	BLACK KEY	16MX	黒 鍵	5
60	ZS089000	KEYBOARD RUBBER CONTACT	16N-2M OCT 2M	接点ゴム 1 6 N 2 M	4
70	ZS089100	KEYBOARD RUBBER CONTACT	16N-2M 13 2M	接点ゴム 1 6 N 2 M	
* 80	ZZ598600	FELT L	833 15 RED	フェルト L	
90	VZ302901	FELT U	836 5 SHIRO	フェルト U	
100	WA525103	CUSHION SHEET	16L,M,N	クッションシート	
110	WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タイト + B I N D	10
120	WR901301	BIND HEAD TAPPING SCREW-B	3.0X14 MFZN2W3	B タイト + B I N D	16
* 130	ZZ005500	CIRCUIT BOARD	MK-L	M K - L シート	
* 140	ZZ005600	CIRCUIT BOARD	MK-H	M K - H シート	
150	--	GRISE BLUE	G-1066Y 16KG	グリス 青	(WM49860)
* 160	ZZ503400	CIRCUIT BOARD	EMKS	E M K S シート	
170	--	WIRING ASSEMBLY	13PIN 150mm	中継束線 A s s ' y	(ZS05310)
180	--	WIRING ASSEMBLY MKL-EMKS	12P 130mm	M K L - E M K S 束線	(ZZ81540)
190	--	WIRING ASSEMBLY MKH-EMKS	5P 300mm	M K H - E M K S 束線	(ZZ80990)
200	--	WIRING ASSEMBLY MKL-EMKS	8P 140mm	M K L - E M K S 束線	(ZZ81000)

*: New Parts

ELECTRICAL PARTS

DMM

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY
		ELECTRICAL PARTS		電 気 部 品	PSR-SX700	
*	VAP33300	CIRCUIT BOARD	DMM	D M M シ ー ト	(YJ939E0)	
*	VAP54600	CIRCUIT BOARD	AJK	A J K シ ー ト	(VAN6670)(YJ940B0)	
*	VAP55100	CIRCUIT BOARD	HP	H P シ ー ト	(VAN6670)(YJ940B0)	
*	VAY85600	CIRCUIT BOARD	ENC	E N C シ ー ト	(VAN6670)(YJ940B0)	
*	VAP55500	CIRCUIT BOARD	NWL	N W L シ ー ト	(VAN6670)(YJ940B0)	
*	VAP55700	CIRCUIT BOARD	NWR	N W R シ ー ト	(VAN6670)(YJ940B0)	
*	VAP54900	CIRCUIT BOARD	DCJK	D C J K シ ー ト	(VAN6670)(YJ940B0)	
*	VAP55300	CIRCUIT BOARD	MVR	M V R シ ー ト	(VAN6670)(YJ940B0)	
*	VAS66300	CIRCUIT BOARD	PNL	P N L シ ー ト	(VAN6680)(YJ941C0)	
*	VAS66400	CIRCUIT BOARD	PNR	P N R シ ー ト	(VAN6680)(YJ941C0)	
*	VAS66800	CIRCUIT BOARD	PS1	P S 1 シ ー ト	(VAN6680)(YJ941C0)	
*	VAS66900	CIRCUIT BOARD	PS2	P S 2 シ ー ト	(VAN6680)(YJ941C0)	
*	VAS67000	CIRCUIT BOARD	TP	T P シ ー ト	(VAN6680)(YJ941C0)	
*	VAS67100	CIRCUIT BOARD	MIC	M I C シ ー ト	(VAN6680)(YJ941C0)	
*	VAP56400	CIRCUIT BOARD	PNC	P N C シ ー ト	(VAG1800)(YJ942C0)	
*	VAP56600	CIRCUIT BOARD	FFC	F F C シ ー ト	(VAG1800)(YJ942C0)	
*	ZZ005500	CIRCUIT BOARD	MK-L	M K - L シ ー ト	(ZZ00530)(YJ645B0)	
*	ZZ005600	CIRCUIT BOARD	MK-H	M K - H シ ー ト	(ZZ00540)(YJ646B0)	
*	ZZ503400	CIRCUIT BOARD	EMKS	E M K S シ ー ト	(ZZ50330)(YJ742A0)	
*	VAP33300	CIRCUIT BOARD	DMM	D M M シ ー ト	(YJ939E0)	
CB451	V680260R	USB JACK	USB 4P SE	U S B ジ ャ ッ ク	USB TO HOST	
JK451	WH795100	USB CONNECTOR	UAR80 4P SE	U S B コ ネ ク タ ー	USB TO DEVICE	
JK451	VS11540R	PHONE CONNECTOR BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	FOOT PEDAL 1	
JK454	VS11540R	PHONE CONNECTOR BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	FOOT PEDAL 2	
JK455	VJ10720R	DIN CONNECTOR	JACK5P YKF51-5050N	D I N コ ネ ク タ	MIDI IN	
JK456	VJ10720R	DIN CONNECTOR	JACK5P YKF51-5050N	D I N コ ネ ク タ	MIDI OUT	
IC003	X7701A01	IC	BU4229G-TR	I	SYSTEM RESET	
IC153	YF761A01	IC	TPS51206DSQR	I	DDR3L VTT	
IC305	X4943E00	IC	W9825G6KH-6	I	} SDR-SDRAM 256M	(YH372A0)
IC305	--	IC	EM63A165TSC-6G	I		
IC309	X9625C00	IC	M12L64164A-5TG2Y	I	} SDR-SDRAM 64M	
IC309	YA658C00	IC	W9864G6KH-5	I		
IC601	X7357B00	IC	PCM1803ADBR	I	C	ADC
IC602	X5482A01	IC	NE5532DR	I	C	OP AMP
IC604	X5482A01	IC	NE5532DR	I	C	OP AMP
IC610	X5482A01	IC	NE5532DR	I	C	OP AMP
IC611	X5482A01	IC	NE5532DR	I	C	OP AMP
IC612	X5049A0R	IC	NJM4556AM-TE1	I	C	OP AMP
*	IC616	YK620A00	R1190S050D-E2-FE	I	C	REGULATOR +5V
R474	RD155682	CARBON RESISTOR (CHIP)	680.0 1/4 J TP	チ ッ プ 抵 抗		
R475	RD155682	CARBON RESISTOR (CHIP)	680.0 1/4 J TP	チ ッ プ 抵 抗		
R497	RD15510R	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ ッ プ 抵 抗		
R501	RD15510R	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ ッ プ 抵 抗		
R541	RD155682	CARBON RESISTOR (CHIP)	680.0 1/4 J TP	チ ッ プ 抵 抗		
R694	RD15468R	CARBON RESISTOR (CHIP)	68.0 1/4 J TP	チ ッ プ 抵 抗		
-697	RD15468R	CARBON RESISTOR (CHIP)	68.0 1/4 J TP	チ ッ プ 抵 抗		
C455	WV584900	ELECTROLYTIC CAPACITOR	150.00 10.0V CHIP	ケ ミ コ ン R V D		
C489	WN422301	ELECTROLYTIC CAPACITOR	47.00 35.0V TP	チ ッ プ ケ ミ コ ン U D		
C608	WN422600	ELECTROLYTIC CAPACITOR	1.00 50.0V TP	チ ッ プ ケ ミ コ ン U D		
C621	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D		
C622	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D		
C656	ZC041800	ELECTROLYTIC CAPACITOR	220.00 25.0V	チ ッ プ ケ ミ コ ン C L		
C710	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D		
C715	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D		
-718	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D		
C736	WN422301	ELECTROLYTIC CAPACITOR	47.00 35.0V TP	チ ッ プ ケ ミ コ ン U D		
C739	WQ574001	CAPACITOR	100 25V RVS-25V101	チ ッ プ ケ ミ コ ン		
C742	WQ574001	CAPACITOR	100 25V RVS-25V101	チ ッ プ ケ ミ コ ン		
C775	WQ574001	CAPACITOR	100 25V RVS-25V101	チ ッ プ ケ ミ コ ン		
C786	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D		
IC004	YH796A00	IC	TPS65218B1PHPR	I	C	PMIC
IC008	YG645A00	IC	EPM240T100C5N	I	C	CPLD
IC012	YC019A00	IC	S-80944CNNB-G9ET2G	I	C	SYSTEM RESET
IC151	--	IC	NT5CC128M16JR-EK D	I	C	} DDR3L SDRAM 256B
IC151	--	IC	W632GU6MB-12	I	C	
IC152	--	IC	NT5CC128M16JR-EK D	I	C	} DDR3L SDRAM 256B
IC152	--	IC	W632GU6MB-12	I	C	
IC159	--	IC	KLM4G1FEPD-B031 EM	I	C	eMMC0 4GB (YK298B0)

*: New Parts

DMM and AJK/HP/ENC/NWL/NWR/DCJK/MVR and PNL/PNR/PS1/PS2/TP/MIC

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY
IC159	--	IC	MTFC4GACAJCN-1M WT		(YK305B0)
IC200	--	IC	AM4376BZDN100	CPU	(YH795A0)
IC300	--	IC	YMW832-CZ	SWP70	(YF447B0)
IC301	YG611A01	IC	RP132S001D-E2-FE V	REGULATOR +1.0V	
IC304	YK303B00	IC	W29N04GVSIAA	NAND FLASH ROM 4G WAVE-L	
IC307	YK304B00	IC	W29N04GVSIAA	NAND FLASH ROM 4G WAVE-H	
IC451	YD235A00	IC	R5524N002A-TR-FE	USB HIGH SIDE POWER SWITCH	
IC453	YC486A00	IC	GL852G-MNG03	USB HUB	
IC455	ZM214700	PHOTO COUPLER	TLP2362(TPL,E(O	フ オ ト カ プ ラ	
IC603	X7585A02	IC	AK5357ET-E2	ADC	
IC605	YD652A01	IC	YDA164C-QZE2	DIGITAL AMP	
IC609	X8324A01	IC	AK4396VF-E2	DAC	
IC613	YD766A01	IC	ISL85033IRTZ-T DC/	DC-DC CONVERTER	
IC614	YG824A00	IC	R1501S120B-E2-FE	REGULATOR +12V	
IC615	YG824A00	IC	R1501S120B-E2-FE	REGULATOR +12V	
R301	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗	
R335	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗	
R512	RD15522R	CARBON RESISTOR (CHIP)	220.0 1/4 J TP	チ ッ プ 抵 抗	
R513	RD15522R	CARBON RESISTOR (CHIP)	220.0 1/4 J TP	チ ッ プ 抵 抗	
XL001	ZV579900	RESONATOR QUARTZ	32.768KHz DSO221SR	水 晶 発 振 器	
XL002	QP699900	RESONATOR QUARTZ	24.0MHz DSX321G	水 晶 振 動 子	
XL301	WM284900	RESONATOR QUARTZ	22.5792MHz DSX321G	水 晶 振 動 子	
XL451	WK192600	RESONATOR QUARTZ	12MHz DSX321G	水 晶 振 動 子	
	VAP54600	CIRCUIT BOARD	AJK	A J K シ ー ト	(VAN6670)(YJ940B0)
	VAP55100	CIRCUIT BOARD	HP	H P シ ー ト	(VAN6670)(YJ940B0)
	VAY85600	CIRCUIT BOARD	ENC	E N C シ ー ト	(VAN6670)(YJ940B0)
	VAP55500	CIRCUIT BOARD	NWL	N W L シ ー ト	(VAN6670)(YJ940B0)
	VAP55700	CIRCUIT BOARD	NWR	N W R シ ー ト	(VAN6670)(YJ940B0)
	VAP54900	CIRCUIT BOARD	DCJK	D C J K シ ー ト	(VAN6670)(YJ940B0)
	VAP55300	CIRCUIT BOARD	MVR	M V R シ ー ト	(VAN6670)(YJ940B0)
C27	UR749680	ELECTROLYTIC CAPACITOR	6800 25.0V FORM.	ケ ミ コ ン	
C500	VQ755901	ELECTROLYTIC CAPACITOR BP	3.30 50.0V TATEJI	B P ケ ミ コ ン	
C600	VQ755901	ELECTROLYTIC CAPACITOR BP	3.30 50.0V TATEJI	B P ケ ミ コ ン	
D1	V9917101	DIODE	S3V60-5004P15 FOR.	ダ イ オ ー ド	
JK1	ZN138300	DC CONNECTOR		電 源 コ ネ ク タ	DC IN
JK2	VS11540R	PHONE CONNECTOR BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	MAIN OUTPUT L/L+R
JK3	VS11540R	PHONE CONNECTOR BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	MAIN OUTPUT R
JK200	WJ306201	PHONE CONNECTOR	MSJ-064-15A B AG	ホ ー ン コ ネ ク タ	PHONES
L8	--	LINE FILTER	PLH10AN1112R6P2B	ラ イ ン フ ィ ル タ ー	(WB21490)
L8	ZK000601	LINE FILTER	3R0A800K10.5LH	ラ イ ン フ ィ ル タ ー	
Q3	ZA675500	FET	TJ20A10M3 SUTO	F E T	
RY200	V8616502	RELAY	DC G6S-2 12V	リ レ ー 1 2 V	
SW300	WD53630R	ROTARY ENCODER	EC12E2420802	ロ ー タ リ ー エ ン コ ー ダ	DATA ENTRY
TH1	VV45800R	CIRCUIT PROTECTOR	RUEF250 2.50A 30V	ポ リ ス イ ッ チ	
VR400	--	ROTARY VARIABLE RESISTOR	B 10K RK11K1130A0M	ロ ー タ リ ー ボ リ ュ ー ム	MASTER VOLUMR (VQ67050)
VR400	ZK790601	ROTARY VARIABLE RESISTOR	B 10.0K XV012113YN	ロ ー タ リ ー ボ リ ュ ー ム	
R3	RD156390	CARBON RESISTOR (CHIP)	3.9K 1/4 J TP	チ ッ プ 抵 抗	
C23	UN867100	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	B P ケ ミ コ ン	
C24	UN867100	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	B P ケ ミ コ ン	
C200	UR848220	ELECTROLYTIC CAPACITOR	220.00 25.0V RX TP	ケ ミ コ ン	
C201	UR848220	ELECTROLYTIC CAPACITOR	220.00 25.0V RX TP	ケ ミ コ ン	
	VAS66300	CIRCUIT BOARD	PNL	P N L シ ー ト	(VAN6680)(YJ941C0)
	VAS66400	CIRCUIT BOARD	PNR	P N R シ ー ト	(VAN6680)(YJ941C0)
	VAS66800	CIRCUIT BOARD	PS1	P S 1 シ ー ト	(VAN6680)(YJ941C0)
	VAS66900	CIRCUIT BOARD	PS2	P S 2 シ ー ト	(VAN6680)(YJ941C0)
	VAS67000	CIRCUIT BOARD	TP	T P シ ー ト	(VAN6680)(YJ941C0)
	VAS67100	CIRCUIT BOARD	MIC	M I C シ ー ト	(VAN6680)(YJ941C0)
JK100	ZA590001	PHONE CONNECTOR	JACK MINI STEREO	ホ ー ン コ ネ ク タ	AUX IN
JK101	WJ306201	PHONE CONNECTOR	MSJ-064-15A B AG	ホ ー ン コ ネ ク タ	MIC/GUITART INPUT
SW100	VR36510R	SLIDE SWITCH	SSSF112-S06N1	ス ラ イ ド S W	MIC GUITAR
VR100	ZA774901	ROTARY VARIABLE RESISTOR	A 10.0K RK09K1110D	ロ ー タ リ ー V R	GAIN
VR400	VQ032500	ROTARY VARIABLE RESISTOR	B 10.0K RK11K11300	ロ ー タ リ ー V R	LIVE CONTROL 1
VR401	VQ032500	ROTARY VARIABLE RESISTOR	B 10.0K RK11K11300	ロ ー タ リ ー V R	LIVE CONTROL 2
D200	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ONE TOUCH 1
D201	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ONE TOUCH 1
D205	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ONE TOUCH 2
D206	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ONE TOUCH 2
D210	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ONE TOUCH 3

*: New Parts

PNL/PNR/PS1/PS2/TP/MIC

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY
* D211	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ONE TOUCH 3
* D213	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ONE TOUCH 4
* D214	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ONE TOUCH 4
* D216	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MULTI PAD 3
* D217	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MULTI PAD 3
* D218	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MULTI PAD 1
* D219	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MULTI PAD 1
* D222	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MULTI PAD 4
* D223	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MULTI PAD 2
* D224	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MULTI PAD 4
* D225	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MULTI PAD 2
* D300	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART SELECT RIGHT2
* D301	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	HARMONY/ARPEGGIO
* D302	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART SELECT LEFT
* D308	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART SELECT RIGHT3
* D309	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	SUSTAIN
* D310	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART SELECT RIGHT1
* D311	VAU51200	LED	QSMQ-C191-UVAC3 GR	チ ッ プ L E D	MIC SETTING
* D313	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MIC SETTING
* D317	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART ON/OFF LEFT HOLD
* D318	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PIANO & E.PIANO
* D319	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	STRINGS
* D320	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	BASS
* D325	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART ON/OFF LEFT
* D327	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ORGAN
* D328	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	BRASS
* D329	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	SYNTH
* D330	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART ON/OFF RIGHT1
* D335	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	GIUITAR
* D336	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	WOODWIND
* D337	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PERC & DRUMS
* D338	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART ON/OFF RIGHT2
* D343	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ACCORDION
* D344	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	CHOIR & PAD
* D345	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	EXPANSION/USER
* D346	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART ON/OFF RIGHT3
* D400	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	INTRO 1
* D401	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	INTRO 1
* D408	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	INTRO 2
* D409	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	INTRO 2
* D416	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	INTRO 3
* D417	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	INTRO 3
* D421	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	REC
* D426	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	A
* D427	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	A
* D436	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	B
* D437	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	B
* D438	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	A-PLAY/PAUSE
* D439	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	A-PLAY/PAUSE
* D440	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	M-PLAY/PAUSE
* D441	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	M-PLAY/PAUSE
* D445	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	C
* D446	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	C
* D451	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	D
* D452	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	D
* D455	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	BREAK
* D456	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	BREAK
* D457	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	BALLROOM
* D458	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	POP & ROCK
* D460	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ENDING 1
* D461	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ENDING 1
* D465	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MOVIE & SHOW
* D466	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	DANCE
* D469	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ENDING 2
* D470	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ENDING 2
* D471	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ENTERTAINER
* D472	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	R & B
* D476	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ENDING 3
* D477	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ENDING 3
* D478	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	WOLD

*: New Parts

PNL/PNR/PS1/PS2/TP/MIC and PNC/FFC and MK-L

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY
* D479	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	JAZZ	
* D483	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ACMP	
* D484	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	OTS LINK	
* D485	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	AUTO FILL IN	
* D486	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	EXPANSION/USER	
* D487	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	LATIN	
* D500	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MODULATION HOLD	
* D502	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ROTARY SP ASSIGNABLE	
* D503	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ROTARY SP ASSIGNABLE	
IC100	X5482A01	IC	NE5532DR	I C	OP AMP	
IC101	X5482A01	IC	NE5532DR	I C	OP AMP	
C106	UF03810R	CAPACITOR	100 16V	チ ッ プ ケ ミ コ ン		
C116	UF037470	CAPACITOR	47 16V	チ ッ プ ケ ミ コ ン		
C118	UF037470	CAPACITOR	47 16V	チ ッ プ ケ ミ コ ン		
C126	UF037101	CAPACITOR	10 16V	チ ッ プ ケ ミ コ ン		
C127	UF067100	CAPACITOR	10 50V	チ ッ プ ケ ミ コ ン		
C128	UF067100	CAPACITOR	10 50V	チ ッ プ ケ ミ コ ン		
* C132	VAH45400	CAPACITOR	4.7 50V MV	チ ッ プ B P コ ン		
R307	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R409	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R414	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R416	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗		
R503	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
*	VAP56400	CIRCUIT BOARD	PNC	P N C シ ー ト	(VAG1800)(YJ942C0)	
*	VAP56600	CIRCUIT BOARD	FFC	F F C シ ー ト	(VAG1800)(YJ942C0)	
C4	UF12822R	CAPACITOR	220 10V	チ ッ プ ケ ミ コ ン		
C5	UF03810R	CAPACITOR	100 16V	チ ッ プ ケ ミ コ ン		
C7	UF03810R	CAPACITOR	100 16V	チ ッ プ ケ ミ コ ン		
C14	UF12822R	CAPACITOR	220 10V	チ ッ プ ケ ミ コ ン		
IC1	YD841C00	IC	TMP89FW24AFG-7R00	I C	E-PNS3	
R1	RD155151	CARBON RESISTOR (CHIP)	150.0 1/4 J TP	チ ッ プ 抵 抗		
R2	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R3	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R4	RD155151	CARBON RESISTOR (CHIP)	150.0 1/4 J TP	チ ッ プ 抵 抗		
R5	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R6	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R9	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗		
R10	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗		
R13	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R14	RD155151	CARBON RESISTOR (CHIP)	150.0 1/4 J TP	チ ッ プ 抵 抗		
R15	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R16	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R17	RD155151	CARBON RESISTOR (CHIP)	150.0 1/4 J TP	チ ッ プ 抵 抗		
R18	RD155151	CARBON RESISTOR (CHIP)	150.0 1/4 J TP	チ ッ プ 抵 抗		
R95	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
* D26	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	SYNC STOP	
* D27	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 1	
* D28	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 1	
* D30	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 7	
* D31	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 7	
* D36	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 2	
* D38	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	SYNC START	
* D39	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 2	
* D41	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 8	
* D42	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 8	
* D45	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	START/STOP	
* D46	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	START/STOP	
* D48	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 3	
* D49	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 3	
* D54	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 4	
* D55	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 4	
* D56	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	FREEZE	
* D63	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 5	
* D64	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 5	
* D70	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 6	
* D71	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 6	
*	ZZ005500	CIRCUIT BOARD	MK-L	M K - L シ ー ト	(ZZ00530)(YJ645B0)	
D1	VB941201	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド		

*: New Parts

DIGITAL WORKSTATION

PSR-SX9000

PARTS LIST

■ CONTENTS

OVERALL ASSEMBLY	2
UPPER CASE ASSEMBLY	4
LOWER CASE ASSEMBLY	6
KEYBOARD ASSEMBLY	7
ELECTRICAL PARTS	9-14

Notes : DESTINATION ABBREVIATIONS

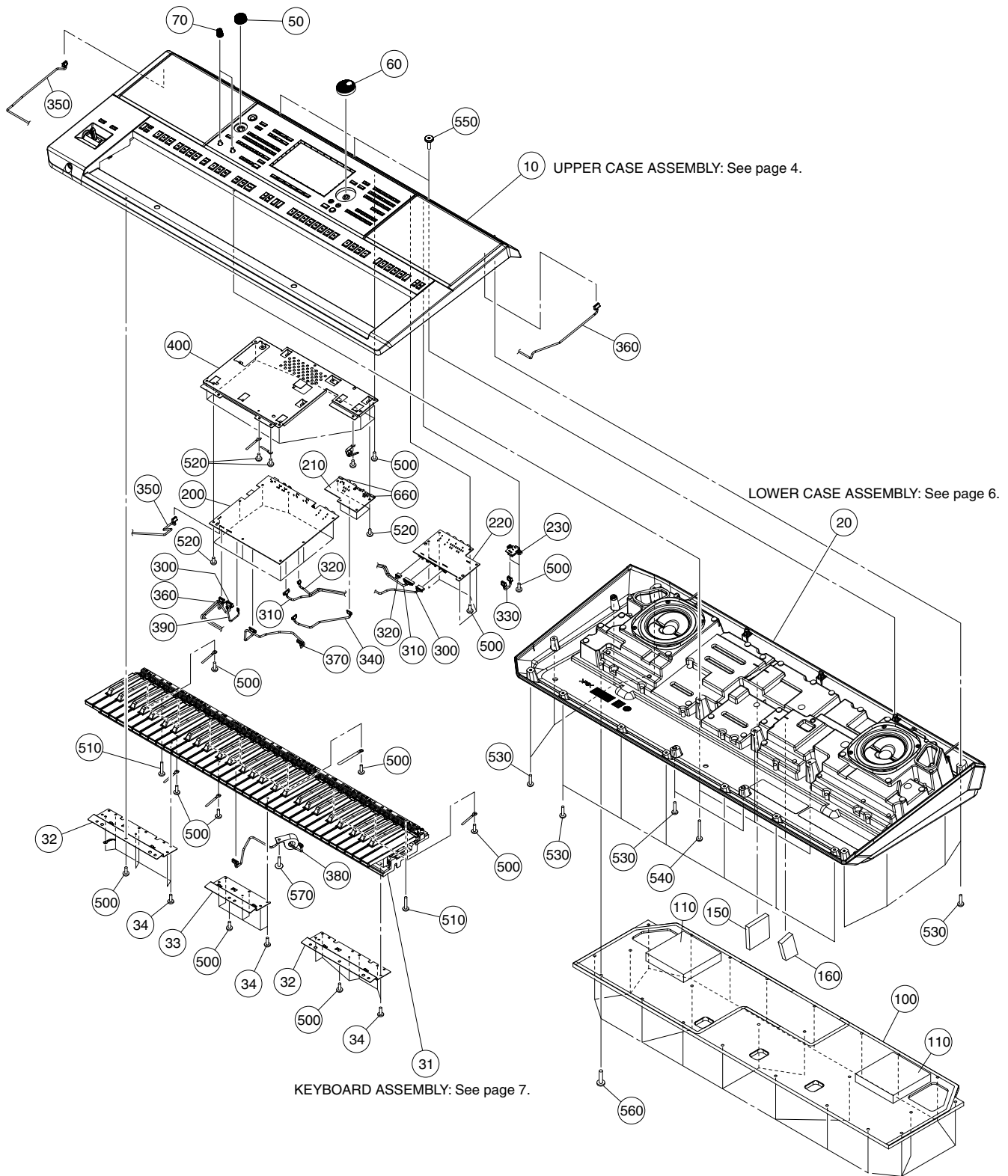
A : Australian model	O : Chinese model
B : British model	P : Brazilian model
C : Canadian model	Q : South-east Asia model
D : German model	T : Taiwan model
E : European model	U : U.S.A. model
F : French model	V : General export model (110V)
H : North European model	W : General export model (220V)
I :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












■ WARNING

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

- The numbers "QTY" show quantities for each unit.
- The parts with "--" in "PART NO." are not available as spare parts.
- This mark "}" in the REMARKS column means 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.

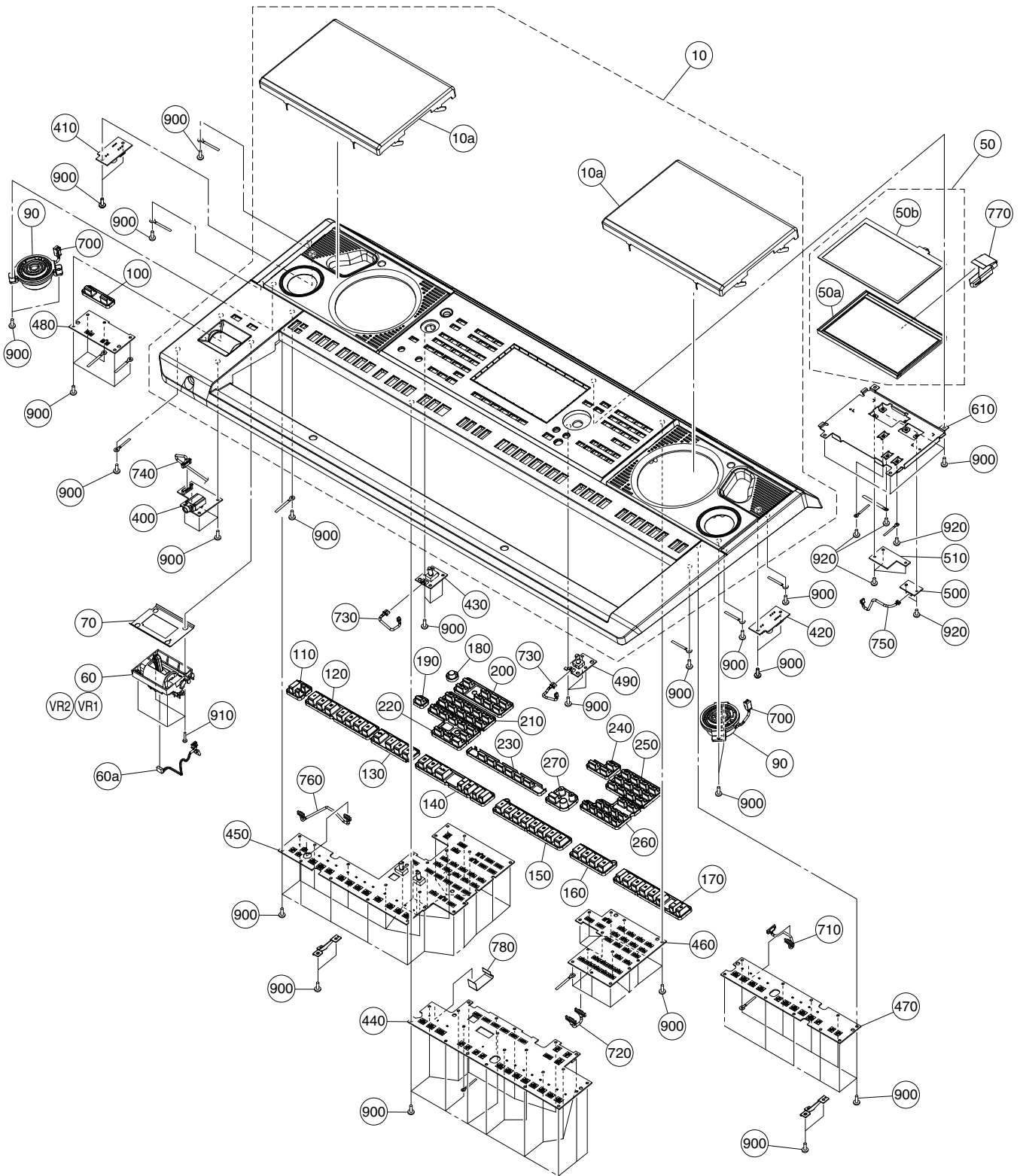
OVERALL ASSEMBLY



REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY
	--	OVERALL ASSEMBLY		総 組 立	PSR-SX900	
	--	OVERALL ASSEMBLY		総 組 立	E,B,U,K,P,A,O,Z,R	(VAZ6380)
	--	OVERALL ASSEMBLY		総 組 立	I	(VAZ6390)
	--	OVERALL ASSEMBLY		総 組 立	V	(VAZ6400)
	--	OVERALL ASSEMBLY		総 組 立	Y	(VAZ6410)
10	--	UPPER CASE ASSEMBLY		上 ケース A s s ' y		(VAZ6510)
20	--	LOWER CASE ASSEMBLY		下 ケース A s s ' y		(VAU4920)
31	--	KEYBOARD ASSEMBLY	16MX 61 2M	1 6 M X - 6 1 鍵 盤		(ZZ55080)
32	--	KEYBOARD STAY F		鍵 盤 金 具 F		(VAV8770)
33	--	KEYBOARD STAY F2		鍵 盤 金 具 F 2		(VCD2860)
34	WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タ イ ト + B I N D		
* 50	VAP50600	VOLUME KNOB BLACK		ポ リ ュ ー ム ツ マ ミ	MASTER VOLUME	
60	ZA304901	ENCODER KNOB BLACK		エ ン コ ー ダ ー 成 形 品	Data entry	
* 70	VAU38000	CONTROL KNOB		コ ン ト ロ ー ル ノ ブ	LIVE CONTROL	
* 100	VAU48100	BOTTOM BOARD		底 板		2
* 110	VCW39000	ANTIVIBRATION FOAM	CALMFLEX F-4	防 振 フ ォ ー ム		2
* 150	VAY96200	SOUND ABSORBENT FELT	58X58XT10	吸 音 材		
* 160	VAZ78100	SOUND ABSORBENT FELT	60X33XT10	吸 音 材		
* 200	VDD77400	CIRCUIT BOARD	DMHBS	D M H B S シ ー ト	U,E,B,K,O,A,P,R,Z,I,V	
* 200	VAP57900	CIRCUIT BOARD	DMH	D M H シ ー ト	Y	
* 210	VAP56300	CIRCUIT BOARD	MIC	M I C シ ー ト		
* 220	VAP54500	CIRCUIT BOARD	AJK	A J K シ ー ト		
* 230	VAP54800	CIRCUIT BOARD	DCJK	D C J K シ ー ト		
300	--	CONNECTOR ASSEMBLY	XH-XH 6P 630mm	X H S 束 線		(VAX9850)
310	--	CONNECTOR ASSEMBLY	GH-PH 12P 270mm	G H - P H S 束 線		(VAX9920)
320	--	CONNECTOR ASSEMBLY	GH-PH 5P 200mm	G H - P H S 束 線		(VAX9940)
330	--	CONNECTOR ASSEMBLY	XH-XH 4P 60mm	X H S 束 線		(VAX9860)
340	--	CONNECTOR ASSEMBLY	GH-GH 9P 150mm	G H S 束 線		(VAX9400)
350	--	CONNECTOR ASSEMBLY	XH-XH 4P 520mm	X H S 束 線		(VAX9870)
360	--	CONNECTOR ASSEMBLY	XH-XH 5P 950mm	X H S 束 線		(VAX9890)
370	--	CONNECTOR ASSEMBLY	GH-GH 13P 180mm	G H S 束 線		(VAX9410)
380	--	CONNECTOR ASSEMBLY	GH-PH 7P 220mm	G H - P H S 束 線		(VCV0900)
390	--	CONNECTOR ASSEMBLY	GH-GH 2P 70mm	G H S 束 線		(VAX9450)
400	--	SHIELD COVER ASSEMBLY		シ ー ル ド カ バ ー A s s ' y		(VCA4800)
500	WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タ イ ト + B I N D		26
510	WE968000	BIND HEAD SCREW	3.0X14 MFZN2W3	小 ネ ジ + B I N D		2
520	WE878300	BIND HEAD SCREW	3.0X6 MFZN2B3	小 ネ ジ + B I N D		16
530	WE98740R	BIND HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	B タ イ ト + B I N D		16
540	WF47340R	BIND HEAD TAPPING SCREW-B	3.0X25 MFZN2W3	B タ イ ト + B I N D		3
* 550	VAX87100	LOW HEAD TAPPING SCREW-B	3.0X12	B タ イ ト + 低 頭 C A P		3
560	WF15410R	BIND HEAD TAPPING SCREW-B	4.0X16 MFZN2W3	B タ イ ト + B I N D		24
570	WF00210R	PW HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	B タ イ ト + P W H		
660	--	NONWOVEN CLOTH	12X12X0.90	不 織 布		(VDF9010) 2
		ACCESSORIES		付 属 品		
* 	ZF451801	MUSIC REST WITH BAG BLACK		譜 面 板 袋 入 り		
* 	VCN84700	AC ADAPTOR	PA-300C	A C ア ダ プ タ ー	} (ZW58780)	
* 	--	AC ADAPTOR	PA-300C	A C ア ダ プ タ ー		
* 	VAC76400	POWER SUPPLY CORD	E 2P 2.5m 2.5A	電 源 コ ー ド セ ッ ト	E,I,V	
* 	V3126501	POWER SUPPLY CORD	B 2P 2.5m	電 源 コ ー ド セ ッ ト	B	
* 	ZC295100	POWER SUPPLY CORD	UC 2P 7A 2.44m	電 源 コ ー ド セ ッ ト	U	
* 	WU795100	POWER SUPPLY CORD	BRA 2P 2.5m 2.5A	電 源 コ ー ド セ ッ ト	P	
* 	ZG891000	POWER SUPPLY CORDSET	K 2P 2.5A	電 源 コ ー ド セ ッ ト	K	
* 	ZN855800	POWER SUPPLY CORD	AS 2SHIN :	電 源 コ ー ド セ ッ ト	A	
* 	WC90170R	POWER SUPPLY CORD	GB 2P 2.5m	電 源 コ ー ド セ ッ ト	O	
* 	ZT271700	POWER SUPPLY CORD	IN 2P 2.5A 1.8m 25	電 源 コ ー ド セ ッ ト	Z	

*: New Parts

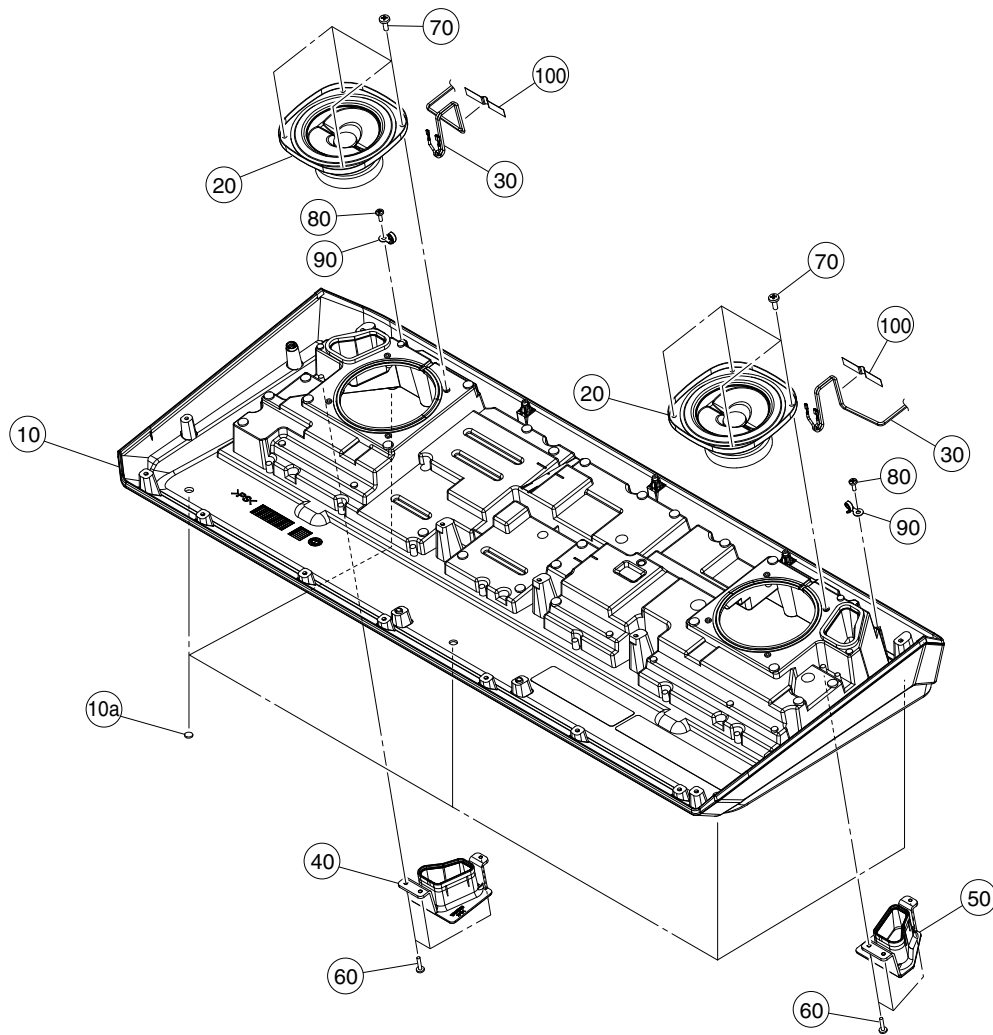
■ UPPER CASE ASSEMBLY



REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY
* 10	VAZ42300	UPPER CASE ASSEMBLY		上 ケース A s s ' y	PSR-SX900	
* 10a	VCE96100	UPPER CASE ASSEMBLY		上 ケース A s s ' y	(VAZ6510)	
* 50	VAY39600	UPPER CASE SUB ASSEMBLY		上 ケース サブ A s s ' y		2
* 50a	--	SP GRILLE ASSEMBLY		S P グリル A s s ' y		
* 50b	--	LCD SUB ASSEMBLY		L C D S - A s s ' y		
50a	--	CRYSTAL DISPLAY	M070SWP1 R5	液 晶 デ ィ ス プ レ イ	(ZN54710)	
50b	--	TOUCH PANEL	FID-1155-181-A07	タ ッ チ パ ネ ル	(VAY4220)	
60	WW997301	JOYSTICK		ジ ョ イ ス テ ィ ッ ク		
60a	--	CONNECTOR ASSEMBLY	JS PH-PH 4P 150mm	J S 束 線	(VAX9280)	
VR1	WN154401	ROTARY VARIABLE RESISTOR	B 10.0K RK09Y11L00	ロ ー タ リ ー V R 1 連	(WY02620)(YD299A0)	
VR2	WN154401	ROTARY VARIABLE RESISTOR	B 10.0K RK09Y11L00	ロ ー タ リ ー V R 1 連	(WY02620)(YD299A0)	
70	--	NONWOVEN FABRIC CLOTH		不 織 布	(ZP75190)	
90	YE179B00	LOUD SPEAKER	2.5cm 4ohm 20W	ス ピ ー カ	TWEETER	
* 100	VAX47400	SW ASSEMBLY	HLD	S W A s s ' y H L D	MODULATION HOLD, ROTARY SP/ASSIGNABLE	2
* 110	VAX46700	SW ASSEMBLY	ACM	S W A s s ' y A C M	ACMP, OTS LINK, AUTO FILL IN	
* 120	VAX46800	SW ASSEMBLY	INT	S W A s s ' y I N T	INTRO, MAIN VARIATION	
* 130	VAX46900	SW ASSEMBLY	BRK	S W A s s ' y B R K	BREAK, ENDING/rit.	
* 140	VAX47000	SW ASSEMBLY	SYN	S W A s s ' y S Y N	SYNC STOP, SYNC START, START/STOP REGISTER BANK (-,+), FREEZE, MEMORY	
* 150	VAX47100	SW ASSEMBLY	REG	S W A s s ' y R E G	REGISTRATION MEMORY (1-8)	
* 160	VAX47200	SW ASSEMBLY	OTS	S W A s s ' y O T S	ONE TOUCH SETTING (1-4)	
* 170	VAX47300	SW ASSEMBLY	MPC	S W A s s ' y M P C	MULTI PAD CONTROL (SELECT, 1-4, STOP) UPPER OCTAVE (-,+)	
* 180	VAX53100	PN SWITCH	PW	P N ス イ ッ チ P W	Standby/On	
* 190	VAX52300	PN SWITCH	ASN	P N ス イ ッ チ A S N	ASSIGN	
* 200	VAX47500	SW ASSEMBLY	SNG	S W A s s ' y S N G	PLAYER, RECORDING, SONG playback control	
* 210	VAX47600	SW ASSEMBLY	STL	S W A s s ' y S T L	STYLE (POP&ROCK-EXPANSION/USER)	
* 220	VAX47700	SW ASSEMBLY	TPH	S W A s s ' y T P H	TRANSPOSE (-,+), TEMPO (-,+), RESET/TAP TEMPO, MIXER/EQ, DIRECT ACCESS, CHORD LOOPER (REC/STOP, ON/FF)	
* 230	VAX52600	PN SWITCH	ASB	P N ス イ ッ チ A S B	ASSIGNABLE (A-F)	
* 240	VAX47800	SW ASSEMBLY	MIC	S W A s s ' y M I C	MIC SETTING/VOCAL HARMONY, MENU, PLAYLIST	
* 250	VAX47900	SW ASSEMBLY	VCE	S W A s s ' y V C E	VOICE (PIANO&E.PIANO- EXPANSION/USER)	
* 260	VAX48000	SW ASSEMBLY	PRT	S W A s s ' y P R T	HARMONY/ARPEGGIO, SUSTAIN, PART SELECT, PART ON/OFF (LEFT HOLD, LEFT, RIGHT1-3) DEC, INC, EXIT, ENTER	
* 270	VAX53000	PN SWITCH	ENT	P N ス イ ッ チ E N T		
* 400	VAP55000	CIRCUIT BOARD	HP	H P シ ー ト		
* 410	VAP55400	CIRCUIT BOARD	NWL	N W L シ ー ト		
* 420	VAP55600	CIRCUIT BOARD	NWR	N W R シ ー ト		
* 430	VAP55200	CIRCUIT BOARD	MVR	M V R シ ー ト		
* 440	VAP56400	CIRCUIT BOARD	PNC	P N C シ ー ト		
* 450	VAP55800	CIRCUIT BOARD	PNL	P N L シ ー ト		
* 460	VAP55900	CIRCUIT BOARD	PNR	P N R シ ー ト		
* 470	VAP56000	CIRCUIT BOARD	PS1	P S 1 シ ー ト		
* 480	VAP56100	CIRCUIT BOARD	PS2	P S 2 シ ー ト		
* 490	VAY85500	CIRCUIT BOARD	ENC	E N C シ ー ト		
* 500	VAP56200	CIRCUIT BOARD	TP	T P シ ー ト		
* 510	VAP56600	CIRCUIT BOARD	FFC	F F C シ ー ト		
610	--	LCD SHIELD ASSEMBLY		L C D シ ー ル ド A s s ' y	(VAZ2900)	
700	--	VH-FASTON	2P	V H - F A S T O N	(VAX9980)	2
710	--	CONNECTOR ASSEMBLY	GH-GH 12P 70mm	G H S 束 線	(VAX9420)	
720	--	CONNECTOR ASSEMBLY	GH-GH 15P 60mm	G H S 束 線	(VAX9430)	
730	--	CONNECTOR ASSEMBLY	GH-PH 3P 55mm	G H - P H S 束 線	(VAX9970)	2
740	--	CONNECTOR ASSEMBLY	PH-PH 8P 650mm	P H S 束 線	(VAX8970)	
750	--	CONNECTOR ASSEMBLY	GH-GH 4P 120mm	G H S 束 線	(VAX9440)	
760	--	CONNECTOR ASSEMBLY	GH-GH 9P 100mm	G H S 束 線	(VAX9460)	
* 770	VAY00000	FFC CABLE ASSEMBLY	FFC 50P 150mm	F F C ケ ー ブ ル A s s ' y		
* 780	VAY00100	FFC CABLE ASSEMBLY	FFC 32P 60mm	F F C ケ ー ブ ル A s s ' y		
900	WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タ イ ト + B I N D		110
910	WE97340R	BIND HEAD TAPPING SCREW-B	3.0X16 MFZN2W3	B タ イ ト + B I N D		4
920	WE878300	BIND HEAD SCREW	3.0X6 MFZN2B3	小 ネ ジ + B I N D		8

*: New Parts

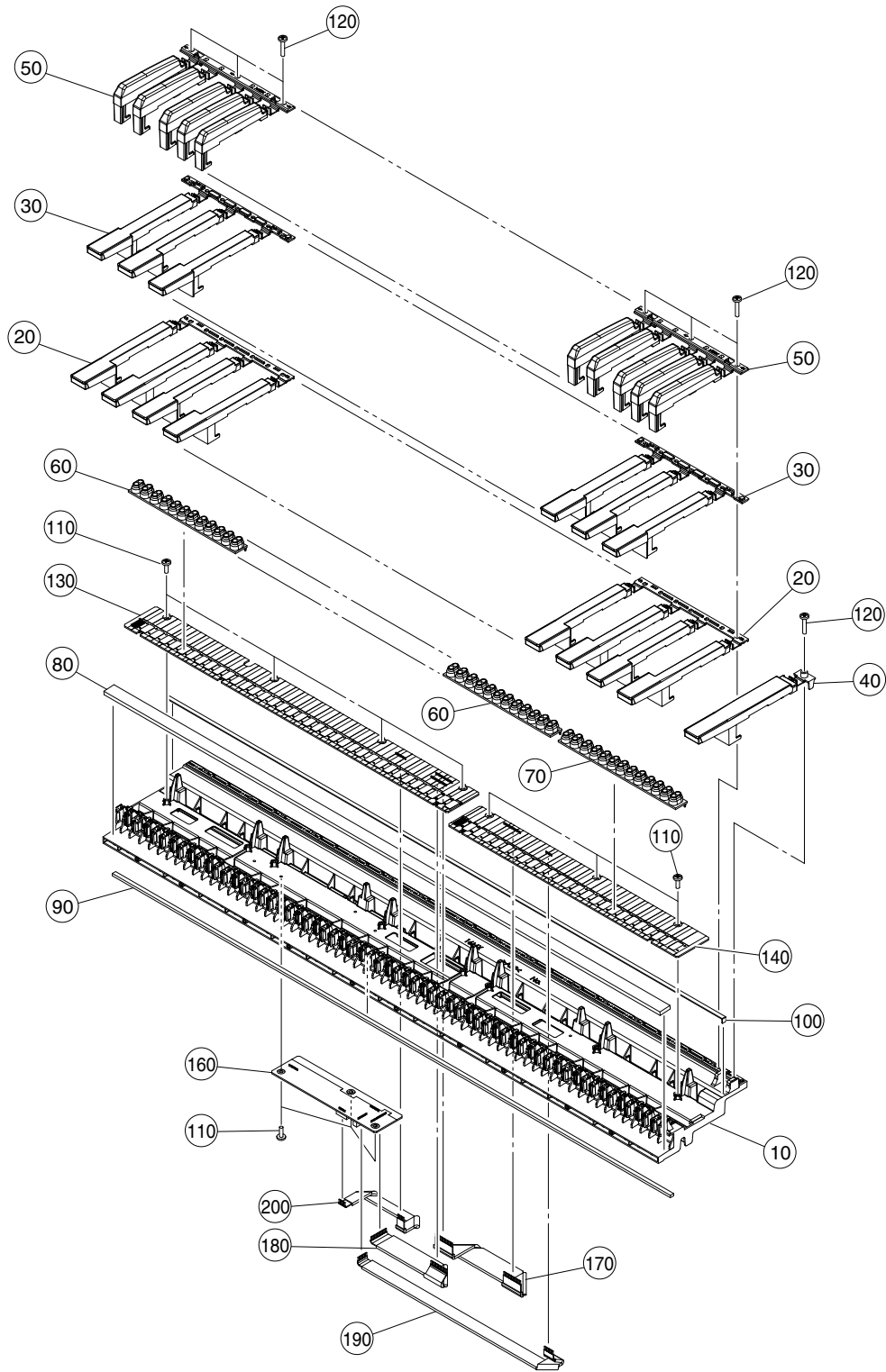
LOWER CASE ASSEMBLY



REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY
		LOWER CASE ASSEMBLY		下 ケ ー ス A s s ' y	PSR-SX900	
	--	LOWER CASE ASSEMBLY		下 ケ ー ス A s s ' y	(VAU4920)	
* 10	VAU54700	LOWER CASE SUB ASSEMBLY		下 ケ ー ス サ ブ A s s ' y		
10a	CB04375R	RUBBER FOOT BLACK	T1.6	ゴ ム 脚		5
* 20	YK255A00	LOUD SPEAKER	13.0cm 4ohm 25W	ス ピ ー カ	WOOFER	2
30	--	VH-FASTON	3P 430mm	V H - F A S T O N	(VAX9990)	2
40	--	PORT L ASSEMBLY	LEFT	ポ ー ト L A s s ' y	(VAU5040)	
50	--	PORT R ASSEMBLY	RIGHT	ポ ー ト R A s s ' y	(VAU5050)	
60	WE98740R	BIND HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	B タ イ ト + B I N D		6
70	WE97450R	BIND HEAD TAPPING SCREW-B	4.0X10 MFZN2W3	B タ イ ト + B I N D		8
80	WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タ イ ト + B I N D		2
90	--	CORD CLAMP		束 線 止 め	(CB83620)	2
100	--	FILAMENT TAPE	12X70	粘 着 テ ー プ	(V255510)	2

*: New Parts

■ KEYBOARD ASSEMBLY



REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY
		KEYBOARD ASSEMBLY	16MX 61 2M	鍵盤 A s s ' y	PSR-SX900	
	--	KEYBOARD ASSEMBLY	16MX 61 2M	1 6 M X - 6 1 鍵盤	(ZZ55080)	
10	--	KEYBOARD FRAME	61	鍵盤 フレーム	(ZZ55640)	
10	--	KEYBOARD FRAME	61	鍵盤 フレーム	(ZZ55641)	
* 20	ZN218700	WHITE KEY	16MX CEGB	白 鍵 C E G B		5
* 30	ZN218800	WHITE KEY	16MX DFA	白 鍵 D F A		5
40	ZN218900	WHITE KEY	16MX C	白 鍵 C		
50	ZN219000	BLACK KEY	16MX	黒 鍵		5
60	ZS089000	KEYBOARD RUBBER CONTACT	16N-2M OCT 2M	接点ゴム 1 6 N 2 M		4
70	ZS089100	KEYBOARD RUBBER CONTACT	16N-2M 13 2M	接点ゴム 1 6 N 2 M		
* 80	ZZ598600	FELT L	833 15 RED	フェルト L		
90	VZ302901	FELT U	836 5 SHIRO	フェルト U		
100	WA525103	CUSHION SHEET	16L,M,N	クッションシート		
110	WE774301	BIND HEAD TAPPING SCREW-B	3.0X8 MFZN2W3	B タイト + B I N D		10
120	WR901301	BIND HEAD TAPPING SCREW-B	3.0X14 MFZN2W3	B タイト + B I N D		16
* 130	ZZ005500	CIRCUIT BOARD	MK-L	M K - L シート		
* 140	ZZ005600	CIRCUIT BOARD	MK-H	M K - H シート		
150	--	GRISE BLUE	G-1066Y 16KG	グリス 青	(WM49860)	
* 160	ZZ503400	CIRCUIT BOARD	EMKS	E M K S シート		
170	--	WIRING ASSEMBLY	13PIN 150mm	中継束線 A s s ' y	(ZS05310)	
180	--	WIRING ASSEMBLY MKL-EMKS	12P 130mm	M K L - E M K S 束線	(ZZ81540)	
190	--	WIRING ASSEMBLY MKH-EMKS	5P 300mm	M K H - E M K S 束線	(ZZ80990)	
200	--	WIRING ASSEMBLY MKL-EMKS	8P 140mm	M K L - E M K S 束線	(ZZ81000)	

*: New Parts

■ ELECTRICAL PARTS

DMHBS

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY
		ELECTRICAL PARTS	電 気 部 品	PSR-SX900	
*	VDD77400	CIRCUIT BOARD	DMHBS	U,V,E,B,I,K,O,A,P,R,Z (YJ939E0)	
*	VAP57900	CIRCUIT BOARD	DMH	Y (YJ939E0)	
*	VAP54500	CIRCUIT BOARD	AJK	(VAG1810) (YJ940B0)	
*	VAP55000	CIRCUIT BOARD	HP	(VAG1810) (YJ940B0)	
*	VAY85500	CIRCUIT BOARD	ENC	(VAG1810) (YJ940B0)	
*	VAP55400	CIRCUIT BOARD	NWL	(VAG1810) (YJ940B0)	
*	VAP55600	CIRCUIT BOARD	NWR	(VAG1810) (YJ940B0)	
*	VAP54800	CIRCUIT BOARD	DCJK	(VAG1810) (YJ940B0)	
*	VAP55200	CIRCUIT BOARD	MVR	(VAG1810) (YJ940B0)	
*	VAP55800	CIRCUIT BOARD	PNL	(VAG1790) (YJ941C0)	
*	VAP55900	CIRCUIT BOARD	PNR	(VAG1790) (YJ941C0)	
*	VAP56000	CIRCUIT BOARD	PS1	(VAG1790) (YJ941C0)	
*	VAP56100	CIRCUIT BOARD	PS2	(VAG1790) (YJ941C0)	
*	VAP56200	CIRCUIT BOARD	TP	(VAG1790) (YJ941C0)	
*	VAP56300	CIRCUIT BOARD	MIC	(VAG1790) (YJ941C0)	
*	VAP56400	CIRCUIT BOARD	PNC	(VAG1800) (YJ942C0)	
*	VAP56600	CIRCUIT BOARD	FFC	(VAG1800) (YJ942C0)	
*	ZZ005500	CIRCUIT BOARD	MK-L	(ZZ00530) (YJ645B0)	
*	ZZ005600	CIRCUIT BOARD	MK-H	(ZZ00540) (YJ646B0)	
*	ZZ503400	CIRCUIT BOARD	EMKS	(ZZ50330) (YJ742A0)	
CB451	VDD77400	CIRCUIT BOARD	DMHBS	U,V,E,B,I,K,O,A,P,R,Z (YJ939E0)	
	V680260R	USB JACK	USB 4P SE	USB TO HOST	
JK451	WH795100	USB CONNECTOR	UAR80 4P SE	USB TO DEVICE 1	
JK452	WH795100	USB CONNECTOR	UAR80 4P SE	USB TO DEVICE 2	
JK453	VS11540R	PHONE CONNECTOR BLACK	LGR4609-7100F	FOOT PEDAL 1	
JK454	VS11540R	PHONE CONNECTOR BLACK	LGR4609-7100F	FOOT PEDAL 2	
JK455	VJ10720R	DIN CONNECTOR	JACK5P YKF51-5050N	MIDI IN	
JK456	VJ10720R	DIN CONNECTOR	JACK5P YKF51-5050N	MIDI OUT	
IC003	X7701A01	IC	BU4229G-TR	SYSTEM RESET	
IC153	YF761A01	IC	TPS51206DSQR DDR T	DDR3L VTT	
IC305	X4943E00	IC	W9825G6KH-6	SDR-SDRAM 256M	
IC305	--	IC	EM63A165TSC-6G	(YH372A0)	
IC309	X9625C00	IC	M12L64164A-5TG2Y	SDR-SDRAM 64M	
IC309	YA658C00	IC	W9864G6KH-5		
IC601	X7357B00	IC	PCM1803ADBR	ADC	
IC602	X5482A01	IC	NE5532DR	OP AMP	
IC604	X5482A01	IC	NE5532DR	OP AMP	
IC608	X5482A01	IC	NE5532DR	OP AMP	
IC610	X5482A01	IC	NE5532DR	OP AMP	
IC611	X5482A01	IC	NE5532DR	OP AMP	
IC612	X5049A0R	IC	NJM4556AM-TE1	OP AMP	
IC616	YK620A00	IC	R1190S050D-E2-FE	REGULATOR +5V	
R474	RD155682	CARBON RESISTOR (CHIP)	680.0 1/4 J TP	チ ッ プ 抵 抗	
R475	RD155682	CARBON RESISTOR (CHIP)	680.0 1/4 J TP	チ ッ プ 抵 抗	
R497	RD15510R	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ ッ プ 抵 抗	
R501	RD15510R	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ ッ プ 抵 抗	
R541	RD155682	CARBON RESISTOR (CHIP)	680.0 1/4 J TP	チ ッ プ 抵 抗	
R694	RD15468R	CARBON RESISTOR (CHIP)	68.0 1/4 J TP	チ ッ プ 抵 抗	
-697	RD15468R	CARBON RESISTOR (CHIP)	68.0 1/4 J TP	チ ッ プ 抵 抗	
C460	WV584900	ELECTROLYTIC CAPACITOR	150.00 10.0V CHIP	ケ ミ コ ン R V D	
C489	WN422301	ELECTROLYTIC CAPACITOR	47.00 35.0V TP	チ ッ プ ケ ミ コ ン U D	
C608	WN422600	ELECTROLYTIC CAPACITOR	1.00 50.0V TP	チ ッ プ ケ ミ コ ン U D	
C621	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D	
C622	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D	
C656	ZC041800	ELECTROLYTIC CAPACITOR	220.00 25.0V	チ ッ プ ケ ミ コ ン C L	
C657	WQ574001	CAPACITOR	100 25V RVS-25V101	チ ッ プ ケ ミ コ ン	
C690	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D	
-693	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D	
C710	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D	
C715	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D	
-718	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D	
C736	WN422301	ELECTROLYTIC CAPACITOR	47.00 35.0V TP	チ ッ プ ケ ミ コ ン U D	
C739	WQ574001	CAPACITOR	100 25V RVS-25V101	チ ッ プ ケ ミ コ ン	
C742	WQ574001	CAPACITOR	100 25V RVS-25V101	チ ッ プ ケ ミ コ ン	
C775	WQ574001	CAPACITOR	100 25V RVS-25V101	チ ッ プ ケ ミ コ ン	
C786	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チ ッ プ ケ ミ コ ン U D	
IC004	YH796A00	IC	TPS65218B1PHPR	I C PMIC	
IC006	X5825B00	IC	SN74LVC1G32DCKR	I C OR	

*: New Parts

DMHBS and DMH

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY
IC008	YG645A00	IC	EPM240T100C5N	C	CPLD
IC012	YC019A00	IC	S-80944CNNB-G9ET2G	C	SYSTEM RESET
IC151	--	IC	NT5CC128M16JR-EK D	C	} DDR3L SDRAM 256B (YH436B0)
IC151	--	IC	W632GU6MB-12	C	
IC152	--	IC	NT5CC128M16JR-EK D	C	} DDR3L SDRAM 256B (YH436B0)
IC152	--	IC	W632GU6MB-12	C	
IC159	--	IC	KLM8G1GEME-B041 EM	C	eMMC0 8GB (YK297C0)
IC200	--	IC	AM4376BZDN100	C	CPU (YH795A0)
IC300	--	IC	YMW832-CZ	C	SWP70 (YF447B0)
IC301	YG611A01	IC	RP132S001D-E2-FE V	C	REGULATOR +1.0V
* IC304	YK299B00	IC	W29N04GVSIAA	C	NAND FLASH ROM 4G WAVE-L0
* IC307	YK300B00	IC	W29N04GVSIAA	C	NAND FLASH ROM 4G WAVE-H0
* IC308	YJ020A00	IC	W29N04GVSIAA	C	NAND FLASH ROM 4G WAVE-L1
* IC310	YJ020A00	IC	W29N04GVSIAA	C	NAND FLASH ROM 4G WAVE-H1
IC451	YD235A00	IC	R5524N002A-TR-FE	C	USB HIGH SIDE POWER SWITCH
IC452	YD235A00	IC	R5524N002A-TR-FE	C	USB HIGH SIDE POWER SWITCH
IC453	YC486A00	IC	GL852G-MNG03	C	HUB
IC455	ZM214700	PHOTO COUPLER	TLP2362(TPL,E(O	フ オ ト カ プ ラ	
* IC460	YH943E00	IC	BM23SPKS1NB9-YB03AA	C	BLUETOOTH AUDIO MODULE
IC603	X5219A0R	IC	AK5381VT-E2	C	ADC
IC605	YD652A01	IC	YDA164C-QZE2	C	DIGITAL AMP
IC606	YD652A01	IC	YDA164C-QZE2	C	DIGITAL AMP
IC607	X8324A01	IC	AK4396VF-E2	C	DAC
IC609	X8324A01	IC	AK4396VF-E2	C	DAC
IC613	YD766A01	IC	ISL85033IRTZ-T DC/	C	DC-DC CONVERTER
IC614	YG824A00	IC	R1501S120B-E2-FE	C	REGULATOR +12V
IC615	YG824A00	IC	R1501S120B-E2-FE	C	REGULATOR +12V
* IC901	YK389A00	IC	AK4127VF	C	SRC
R301	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗	
R335	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗	
R512	RD15522R	CARBON RESISTOR (CHIP)	220.0 1/4 J TP	チ ッ プ 抵 抗	
R513	RD15522R	CARBON RESISTOR (CHIP)	220.0 1/4 J TP	チ ッ プ 抵 抗	
R544	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗	
XL001	ZV579900	RESONATOR QUARTZ	32.768KHz DSO221SR	水 晶 発 振 器	
XL002	ZP699900	RESONATOR QUARTZ	24.0MHz DSX321G	水 晶 振 動 子	
XL301	WM284900	RESONATOR QUARTZ	22.5792MHz DSX321G	水 晶 振 動 子	
XL451	WK192600	RESONATOR QUARTZ	12MHz DSX321G	水 晶 振 動 子	
* CB451	VAP57900	CIRCUIT BOARD	DMH	D M H シ ー ト	Y (YJ939E0)
CB451	V680260R	USB JACK	USB 4P SE	U S B ジ ャ ッ ク	USB TO HOST
JK451	WH795100	USB CONNECTOR	UAR80 4P SE	U S B コ ネ ク タ ー	USB TO DEVICE 1
JK452	WH795100	USB CONNECTOR	UAR80 4P SE	U S B コ ネ ク タ ー	USB TO DEVICE 2
JK453	VS11540R	PHONE CONNECTOR BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	FOOT PEDAL 1
JK454	VS11540R	PHONE CONNECTOR BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	FOOT PEDAL 2
JK455	VJ10720R	DIN CONNECTOR	JACK5P YKF51-5050N	D I N コ ネ ク タ	MIDI IN
JK456	VJ10720R	DIN CONNECTOR	JACK5P YKF51-5050N	D I N コ ネ ク タ	MIDI OUT
IC003	X7701A01	IC	BU4229G-TR	C	SYSTEM RESET
IC153	YF761A01	IC	TPS51206DSQR DDR T	C	DDR3L VTT
IC305	X4943E00	IC	W9825G6KH-6	C	} SDR-SDRAM 256M
IC305	--	IC	EM63A165TSC-6G	C	
IC309	X9625C00	IC	M12L64164A-5TG2Y	C	} SDR-SDRAM 64M
IC309	YA658C00	IC	W9864G6KH-5	C	
IC601	X7357B00	IC	PCM1803ADBR	C	ADC
IC602	X5482A01	IC	NE5532DR	C	OP AMP
IC604	X5482A01	IC	NE5532DR	C	OP AMP
IC608	X5482A01	IC	NE5532DR	C	OP AMP
IC610	X5482A01	IC	NE5532DR	C	OP AMP
IC611	X5482A01	IC	NE5532DR	C	OP AMP
IC612	X5049A0R	IC	NJM4556AM-TE1	C	OP AMP
* IC616	YK620A00	IC	R1190S050D-E2-FE	C	REGULATOR +5V
R474	RD155682	CARBON RESISTOR (CHIP)	680.0 1/4 J TP	チ ッ プ 抵 抗	
R475	RD155682	CARBON RESISTOR (CHIP)	680.0 1/4 J TP	チ ッ プ 抵 抗	
R497	RD15510R	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ ッ プ 抵 抗	
R501	RD15510R	CARBON RESISTOR (CHIP)	100.0 1/4 J TP	チ ッ プ 抵 抗	
R541	RD155682	CARBON RESISTOR (CHIP)	680.0 1/4 J TP	チ ッ プ 抵 抗	
R694	RD15468R	CARBON RESISTOR (CHIP)	68.0 1/4 J TP	チ ッ プ 抵 抗	
-697	RD15468R	CARBON RESISTOR (CHIP)	68.0 1/4 J TP	チ ッ プ 抵 抗	
C455	WV584900	ELECTROLYTIC CAPACITOR	150.00 10.0V CHIP	ケ ミ コ ン R V D	
C460	WV584900	ELECTROLYTIC CAPACITOR	150.00 10.0V CHIP	ケ ミ コ ン R V D	
C489	WN422301	ELECTROLYTIC CAPACITOR	47.00 35.0V TP	チ ッ プ ケ ミ コ ン U D	

*: New Parts

DMH and AJK/HP/ENC/NWL/NWR/DCJK/MVR

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY
C608	WN422600	ELECTROLYTIC CAPACITOR	1.00 50.0V TP	チップケミコン U D	
C621	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チップケミコン U D	
C622	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チップケミコン U D	
C656	ZC041800	ELECTROLYTIC CAPACITOR	220.00 25.0V	チップケミコン C L	
C657	WQ574001	CAPACITOR	100 25V RVS-25V101	チップケミコン	
C690	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チップケミコン U D	
-693	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チップケミコン U D	
C710	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チップケミコン U D	
C715	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チップケミコン U D	
-718	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チップケミコン U D	
C736	WN422301	ELECTROLYTIC CAPACITOR	47.00 35.0V TP	チップケミコン U D	
C739	WQ574001	CAPACITOR	100 25V RVS-25V101	チップケミコン	
C742	WQ574001	CAPACITOR	100 25V RVS-25V101	チップケミコン	
C775	WQ574001	CAPACITOR	100 25V RVS-25V101	チップケミコン	
C786	ZH232500	ELECTROLYTIC CAPACITOR	10.00 25.0V CHIP	チップケミコン U D	
IC004	YH796A00	IC	TPS65218B1PHPR	I C	PMIC
IC008	YG645A00	IC	EPM240T100C5N	I C	CPLD
IC012	YC019A00	IC	S-80944CNNB-G9ET2G	I C	SYSTEM RESET
IC151	--	IC	NT5CC128M16JR-EK D	I C	} DDR3L SDRAM 256B (YH436B0)
IC151	--	IC	W632GU6MB-12	I C	
IC152	--	IC	NT5CC128M16JR-EK D	I C	} DDR3L SDRAM 256B (YH436B0)
IC152	--	IC	W632GU6MB-12	I C	
IC159	--	IC	KLM8G1GEME-B041 EM	I C	eMMC0 8GB (YK297C0)
IC200	--	IC	AM4376BZDN100	I C	CPU (YH795A0)
IC300	--	IC	YMW832-CZ	I C	SWP70 (YF447B0)
IC301	YG611A01	IC	RP132S001D-E2-FE V	I C	REGULATOR +1.0V
* IC304	YK299B00	IC	W29N04GVSIAA	I C	NAND FLASH ROM 4G WAVE-L0
* IC307	YK300B00	IC	W29N04GVSIAA	I C	NAND FLASH ROM 4G WAVE-H0
* IC308	YJ020A00	IC	W29N04GVSIAA	I C	NAND FLASH ROM 4G WAVE-L1
* IC310	YJ020A00	IC	W29N04GVSIAA	I C	NAND FLASH ROM 4G WAVE-H1
IC451	YD235A00	IC	R5524N002A-TR-FE	I C	USB HIGH SIDE POWER SWITCH
IC452	YD235A00	IC	R5524N002A-TR-FE	I C	USB HIGH SIDE POWER SWITCH
IC453	YC486A00	IC	GL852G-MNG03	I C	HUB
IC455	ZM214700	PHOTO COUPLER	TLP2362(TPL,E(O	フ ォ ト カ プ ラ	
IC603	X5219A0R	IC	AK5381VT-E2	I C	ADC
IC605	YD652A01	IC	YDA164C-QZE2	I C	DIGITAL AMP
IC606	YD652A01	IC	YDA164C-QZE2	I C	DIGITAL AMP
IC607	X8324A01	IC	AK4396VF-E2	I C	DAC
IC609	X8324A01	IC	AK4396VF-E2	I C	DAC
IC613	YD766A01	IC	ISL85033IRTZ-T DC/	I C	DC-DC CONVERTER
IC614	YG824A00	IC	R1501S120B-E2-FE	I C	REGULATOR +12V
IC615	YG824A00	IC	R1501S120B-E2-FE	I C	REGULATOR +12V
R301	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗	
R335	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗	
R512	RD15522R	CARBON RESISTOR (CHIP)	220.0 1/4 J TP	チ ッ プ 抵 抗	
R513	RD15522R	CARBON RESISTOR (CHIP)	220.0 1/4 J TP	チ ッ プ 抵 抗	
XL001	ZV579900	RESONATOR QUARTZ	32.768KHz DSO221SR	水 晶 発 振 器	
XL002	ZP699900	RESONATOR QUARTZ	24.0MHz DSX321G	水 晶 振 動 子	
XL301	WM284900	RESONATOR QUARTZ	22.5792MHz DSX321G	水 晶 振 動 子	
XL451	WK192600	RESONATOR QUARTZ	12MHz DSX321G	水 晶 振 動 子	
*	VAP54500	CIRCUIT BOARD	AJK	A J K シ ー ト	(VAG1810) (YJ940B0)
*	VAP55000	CIRCUIT BOARD	HP	H P シ ー ト	(VAG1810) (YJ940B0)
*	VAY85500	CIRCUIT BOARD	ENC	E N C シ ー ト	(VAG1810) (YJ940B0)
*	VAP55400	CIRCUIT BOARD	NWL	N W L シ ー ト	(VAG1810) (YJ940B0)
*	VAP55600	CIRCUIT BOARD	NWR	N W R シ ー ト	(VAG1810) (YJ940B0)
*	VAP54800	CIRCUIT BOARD	DCJK	D C J K シ ー ト	(VAG1810) (YJ940B0)
*	VAP55200	CIRCUIT BOARD	MVR	M V R シ ー ト	(VAG1810) (YJ940B0)
C27	UR749680	ELECTROLYTIC CAPACITOR	6800 25.0V FORM.	ケ ミ コ ン	
D1	V9917101	DIODE	S3V60-5004P15 FOR.	ダ イ オ ー ド	
JK1	ZN138300	DC CONNECTOR	CONNECTOR	電 源 コ ネ ク タ	DC IN
JK2	VS11540R	PHONE CONNECTOR BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	MAIN OUTPUT L/L+R
JK3	VS11540R	PHONE CONNECTOR BLACK	LGR4609-7100F	ホ ー ン コ ネ ク タ (黒)	MAIN OUTPUT R
JK4	WJ306201	PHONE CONNECTOR	MSJ-064-15A B AG	ホ ー ン コ ネ ク タ	SUB (AUX) OUTPUT 1(L/L+R)
JK5	WJ306201	PHONE CONNECTOR	MSJ-064-15A B AG	ホ ー ン コ ネ ク タ	SUB (AUX) OUTPUT 2(R)
JK200	WJ306201	PHONE CONNECTOR	MSJ-064-15A B AG	ホ ー ン コ ネ ク タ	PHONES
L8	--	LINE FILTER	PLH10AN1112R6P2B	ラ イン フィ ル タ ー	} (WB21490)
L8	ZK000601	LINE FILTER	3ROA800K10.5LH	ラ イン フィ ル タ ー	
Q3	ZA675500	FET	TJ20A10M3 : SUTO	F E T	
RY200	V8616502	RELAY	DC G6S-2 12V	リ レ ー 1 2 V	

*: New Parts

AJK/HP/ENC/NWL/NWR/DCJK/MVR and PNL/PNR/PS1/PS2/TP/MIC

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY
SW300	WD53630R	ROTALY ENCODER	EC12E2420802	ロ ー タ リ ー エ ン コ ー ダ	DATA ENTRY	
TH1	VV45800R	CIRCUIT PROTECTOR	RUEF250 2.50A 30V	ポ リ ス イ ッ チ	} MASTER VOLUMR (VQ67050)	
VR400	--	ROTARY VARIABLE RESISTOR	B 10K RK11K1130A0M	ロ ー タ リ ー ボ リ ュ ー ム		
VR400	ZK790601	ROTARY VARIABLE RESISTOR	B 10.0K XV012113YN	ロ ー タ リ ー ボ リ ュ ー ム		
R3	RD156390	CARBON RESISTOR (CHIP)	3.9K 1/4 J TP	チ ッ プ 抵 抗		
R31	RD156390	CARBON RESISTOR (CHIP)	3.9K 1/4 J TP	チ ッ プ 抵 抗		
C20	UN867100	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	B P ケ ミ コ ン		
C23	UN867100	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	B P ケ ミ コ ン		
-25	UN867100	ELECTROLYTIC CAPACITOR BP	10.00 50.0V RX TP	B P ケ ミ コ ン		
C200	UR848220	ELECTROLYTIC CAPACITOR	220.00 25.0V RX TP	ケ ミ コ ン		
C201	UR848220	ELECTROLYTIC CAPACITOR	220.00 25.0V RX TP	ケ ミ コ ン		
*	VAP55800	CIRCUIT BOARD	PNL	P N L シ ー ト	(VAG1790) (YJ941C0)	
*	VAP55900	CIRCUIT BOARD	PNR	P N R シ ー ト	(VAG1790) (YJ941C0)	
*	VAP56000	CIRCUIT BOARD	PS1	P S 1 シ ー ト	(VAG1790) (YJ941C0)	
*	VAP56100	CIRCUIT BOARD	PS2	P S 2 シ ー ト	(VAG1790) (YJ941C0)	
*	VAP56200	CIRCUIT BOARD	TP	T P シ ー ト	(VAG1790) (YJ941C0)	
*	VAP56300	CIRCUIT BOARD	MIC	M I C シ ー ト	(VAG1790) (YJ941C0)	
JK100	ZA590001	PHONE CONNECTOR	JACK MINI STEREO	ホ ー ン コ ネ ク タ	AUX IN	
JK101	WJ306201	PHONE CONNECTOR	MSJ-064-15A B AG	ホ ー ン コ ネ ク タ	MIC/GUITART INPUT	
SW100	VR36510R	SLIDE SWITCH	SSSF112-S06N1	ス ラ イ ド S W	MIC GUITAR	
VR100	ZA774901	ROTARY VARIABLE RESISTOR	A 10.0K RK09K1110D	ロ ー タ リ ー V R	GAIN	
VR400	VQ032500	ROTARY VARIABLE RESISTOR	B 10.0K RK11K11300	ロ ー タ リ ー V R	LIVE CONTROL 1	
VR401	VQ032500	ROTARY VARIABLE RESISTOR	B 10.0K RK11K11300	ロ ー タ リ ー V R	LIVE CONTROL 2	
D200	VAU51300	LED	QSMR-Z191-TVBE0 OR	チ ッ プ L E D	ONE TOUCH 1	
D201	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ONE TOUCH 1	
D205	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ONE TOUCH 2	
D206	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ONE TOUCH 2	
D210	VAU51300	LED	QSMR-Z191-TVBE0 OR	チ ッ プ L E D	ONE TOUCH 3	
D211	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ONE TOUCH 3	
D213	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ONE TOUCH 4	
D214	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ONE TOUCH 4	
D216	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MULTI PAD 3	
D217	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MULTI PAD 3	
D218	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MULTI PAD 1	
D219	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MULTI PAD 1	
D222	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MULTI PAD 4	
D223	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MULTI PAD 2	
D224	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MULTI PAD 4	
D225	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MULTI PAD 2	
D300	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART SELECT RIGHT2	
D301	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	HARMONY/ARPEGGIO	
D302	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART SELECT LEFT	
D308	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART SELECT RIGHT3	
D309	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	SUSTAIN	
D310	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART SELECT RIGHT1	
D311	VAU51200	LED	QSMQ-C191-UVAC3 GR	チ ッ プ L E D	MIC SETTING/VOCAL HARMONY	
D313	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MIC SETTING/VOCAL HARMONY	
D317	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART ON/OFF LEFT HOLD	
D318	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PIANO & E.PIANO	
D319	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	STRINGS	
D320	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	BASS	
D325	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART ON/OFF LEFT	
D327	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ORGAN	
D328	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	BRASS	
D329	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	SYNTH	
D330	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART ON/OFF RIGHT1	
D335	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	GUITAR	
D336	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	WOODWIND	
D337	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PERC & DRUMS	
D338	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART ON/OFF RIGHT2	
D343	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ACCORDION	
D344	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	CHOIR & PAD	
D345	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	EXPANSION/USER	
D346	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	PART ON/OFF RIGHT3	
D400	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	INTRO 1	
D401	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	INTRO 1	
D407	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	CHORD LOOPER REC/STOP	
D408	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	INTRO 2	
D409	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	INTRO 2	

*: New Parts

PNL/PNR/PS1/PS2/TP/MIC and PNC/FFC

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY
* D416	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	INTRO 3	
* D417	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	INTRO 3	
* D421	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	REC	
* D422	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	CHORD LOOPER ON/OFF	
* D423	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	CHORD LOOPER ON/OFF	
* D426	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	A	
* D427	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	A	
* D436	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	B	
* D437	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	B	
* D438	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	A-PLAY/PAUSE	
* D439	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	A-PLAY/PAUSE	
* D440	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	M-PLAY/PAUSE	
* D441	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	M-PLAY/PAUSE	
* D445	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	C	
* D446	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	C	
* D451	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	D	
* D452	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	D	
* D455	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	BREAK	
* D456	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	BREAK	
* D457	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	BALLROOM	
* D458	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	POP & ROCK	
* D460	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ENDING 1	
* D461	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ENDING 1	
* D465	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MOVIE & SHOW	
* D466	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	DANCE	
* D469	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ENDING 2	
* D470	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ENDING 2	
* D471	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ENTERTAINER	
* D472	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	R & B	
* D476	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ENDING 3	
* D477	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ENDING 3	
* D478	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	WOLD	
* D479	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	JAZZ	
* D483	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ACMP	
* D484	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	OTS LINK	
* D485	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	AUTO FILL IN	
* D486	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	EXPANSION/USER	
* D487	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	LATIN	
* D500	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MODULATION HOLD	
* D502	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	ROTARY SP ASSIGNABLE	
* D503	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	ROTARY SP ASSIGNABLE	
IC100	X5482A01	IC	NE5532DR	丨	OP AMP	
IC101	X5482A01	IC	NE5532DR	丨	OP AMP	
C106	UF03810R	CAPACITOR	100 16V	チ ッ プ ケ ミ コ ン		
C116	UF037470	CAPACITOR	47 16V	チ ッ プ ケ ミ コ ン		
C118	UF037470	CAPACITOR	47 16V	チ ッ プ ケ ミ コ ン		
C126	UF037101	CAPACITOR	10 16V	チ ッ プ ケ ミ コ ン		
C127	UF067100	CAPACITOR	10 50V	チ ッ プ ケ ミ コ ン		
C128	UF067100	CAPACITOR	10 50V	チ ッ プ ケ ミ コ ン		
* C132	VAH45400	CAPACITOR	4.7 50V MV	チ ッ プ B P コ ン		
R307	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R409	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R414	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R416	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗		
R503	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
* C4	VAP56400	CIRCUIT BOARD	PNC	P N C シ ー ト	(VAG1800) (YJ942C0)	
* C5	VAP56600	CIRCUIT BOARD	FFC	F F C シ ー ト	(VAG1800) (YJ942C0)	
C7	UF12822R	CAPACITOR	220 10V	チ ッ プ ケ ミ コ ン		
C14	UF03810R	CAPACITOR	100 16V	チ ッ プ ケ ミ コ ン		
C14	UF12822R	CAPACITOR	220 10V	チ ッ プ ケ ミ コ ン		
IC1	YD841C00	IC	TMP89FW24AFG-7R00	丨	E-PNS3	
R1	RD155151	CARBON RESISTOR (CHIP)	150.0 1/4 J TP	チ ッ プ 抵 抗		
R2	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R3	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R4	RD155151	CARBON RESISTOR (CHIP)	150.0 1/4 J TP	チ ッ プ 抵 抗		
R5	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R6	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R9	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗		

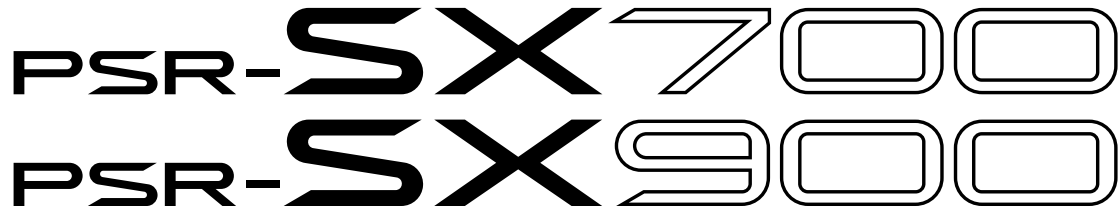
*: New Parts

PNC/FFC and MK-L and MK-H and EMKS

REF NO.	PART NO.	DESCRIPTION		部 品 名	REMARKS	QTY
R10	RD15000R	CARBON RESISTOR (CHIP)	0.0 1/4 J TP	チ ッ プ 抵 抗		
R13	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R14	RD155151	CARBON RESISTOR (CHIP)	150.0 1/4 J TP	チ ッ プ 抵 抗		
R15	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R16	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
R17	RD155151	CARBON RESISTOR (CHIP)	150.0 1/4 J TP	チ ッ プ 抵 抗		
R18	RD155151	CARBON RESISTOR (CHIP)	150.0 1/4 J TP	チ ッ プ 抵 抗		
R95	RD15475R	CARBON RESISTOR (CHIP)	75.0 1/4 J TP	チ ッ プ 抵 抗		
* D26	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	SYNC STOP	
* D27	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 1	
* D28	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 1	
* D30	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 7	
* D31	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 7	
* D36	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 2	
* D38	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	SYNC START	
* D39	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 2	
* D41	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 8	
* D42	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 8	
* D45	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	START/STOP	
* D46	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	START/STOP	
* D48	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 3	
* D49	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 3	
* D54	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 4	
* D55	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 4	
* D56	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	FREEZE	
* D63	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 5	
* D64	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 5	
* D70	VAU51300	LED	QSML-Z191-TVBE0 OR	チ ッ プ L E D	MEMORY 6	
* D71	VAU50900	LED	QSMR-Z191-STBC3 BL	チ ッ プ L E D	MEMORY 6	
* D1	ZZ005500	CIRCUIT BOARD	MK-L	M K - L シ ー ト	(ZZ00530) (YJ645B0)	
-72	VB941201	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド		
-72	VB941201	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド		
* D1	ZZ005600	CIRCUIT BOARD	MK-H	M K - H シ ー ト	(ZZ00540) (YJ646B0)	
-50	VB941201	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド		
-50	VB941201	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド		
* C1	ZZ503400	CIRCUIT BOARD	EMKS	E M K S シ ー ト	(ZZ50330) (YJ742A0)	
UF03810R		CAPACITOR	100 16V	チ ッ プ ケ ミ コ ン		
IC1	YC778F00	IC	89FM42AUG-7R58(CJZ	イ ン テ ー ジ 発 振 子	E-GKS	
X1	V9864201	RESONATOR CERAMIC	10.0MHz CSTCE10M0G52	セラミック発振子		
--		CRYSTAL DISPLAY	M070SWP1 R5	液 晶 デ ィ ス プ レ イ	(ZN54710)	
--		TOUCH PANEL	FID-1155-181-A07	タ ッ チ パ ネ ル	(VAY4220)	
	WW997301	JOYSTICK		ジ ョ イ ス テ ィ ッ ク		
* YE179B00		LOUD SPEAKER	2.5cm 4ohm 20W	ス ピ ー カ	TWEETER	2
YK255A00		LOUD SPEAKER	13.0cm 4ohm 25W	ス ピ ー カ	WOOFER	2

*: New Parts

DIGITAL WORKSTATION




CIRCUIT DIAGRAM

■ CONTENTS

PSR-SX700 BLOCK DIAGRAM.....	3
PSR-SX900 BLOCK DIAGRAM.....	4
CIRCUIT DIAGRAM	
DMHBS/DMH/DMM (001-005)	5-9
AJK	10
DCJK, ENC, HP, MVR, NWL, NWR	11
MIC	12
PNL	13
PNR, PS1, PS2, TP	14
PNC	15
EMKS	16
MK-L	17
MK-H	18

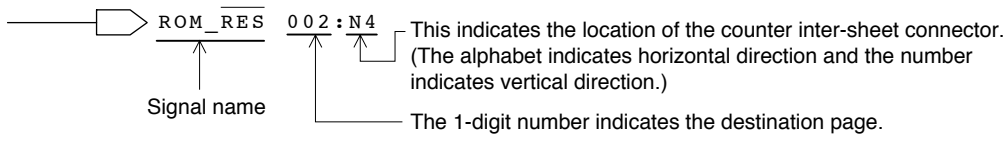
Note : See parts list for details of circuit board component parts.

■ WARNING

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

Notation for Circuit Diagrams

1. How to identify inter-sheet connectors



2. Connection of connectors.

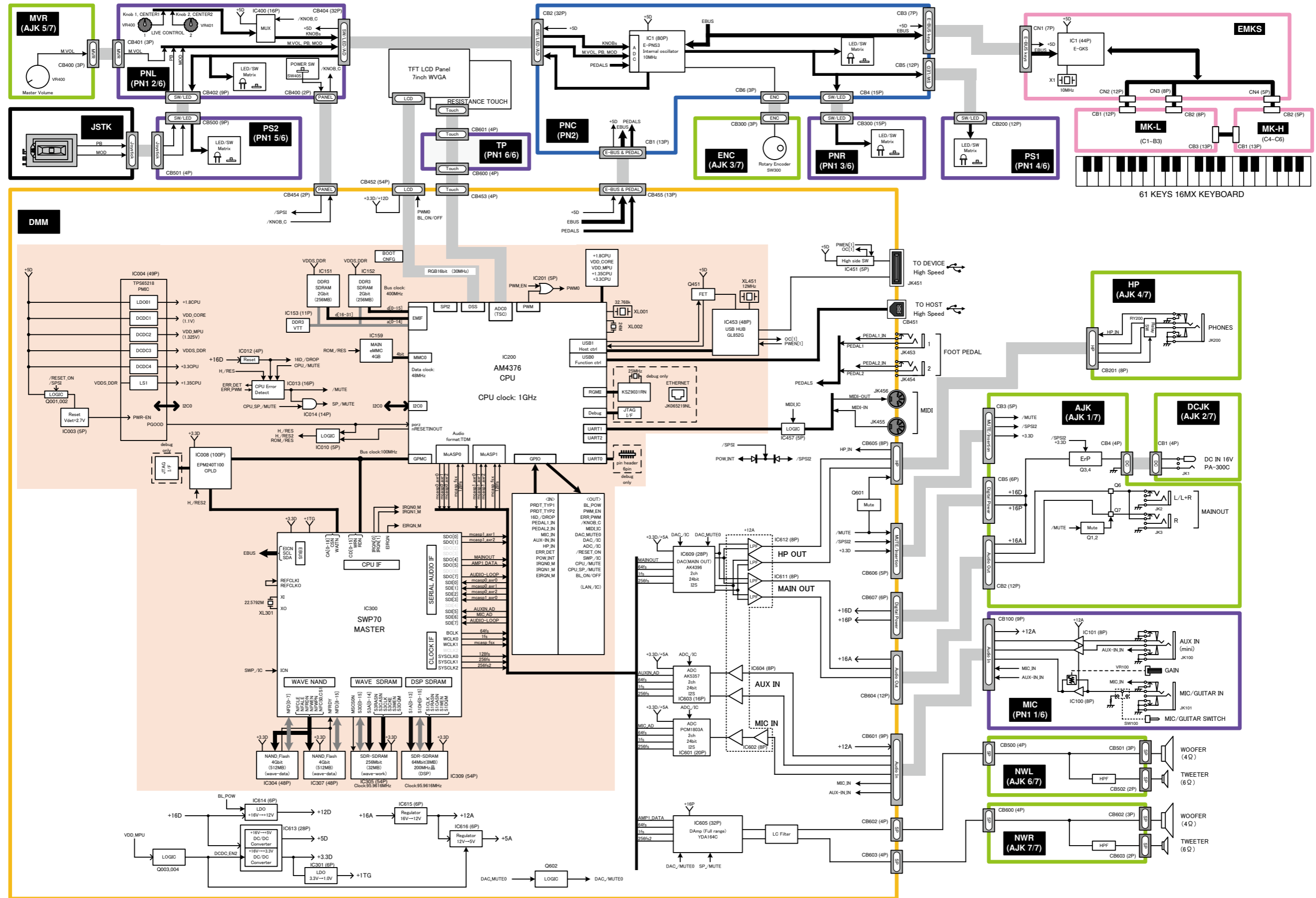
(Example) to PNL-CB400
<Page 13: B-8>

Page 13 are the page of a circuit diagram.

B-8 is indicates the location of the counter inter-circuit board connector.
(The alphabet indicates horizontal direction and the number indicates vertical direction.)

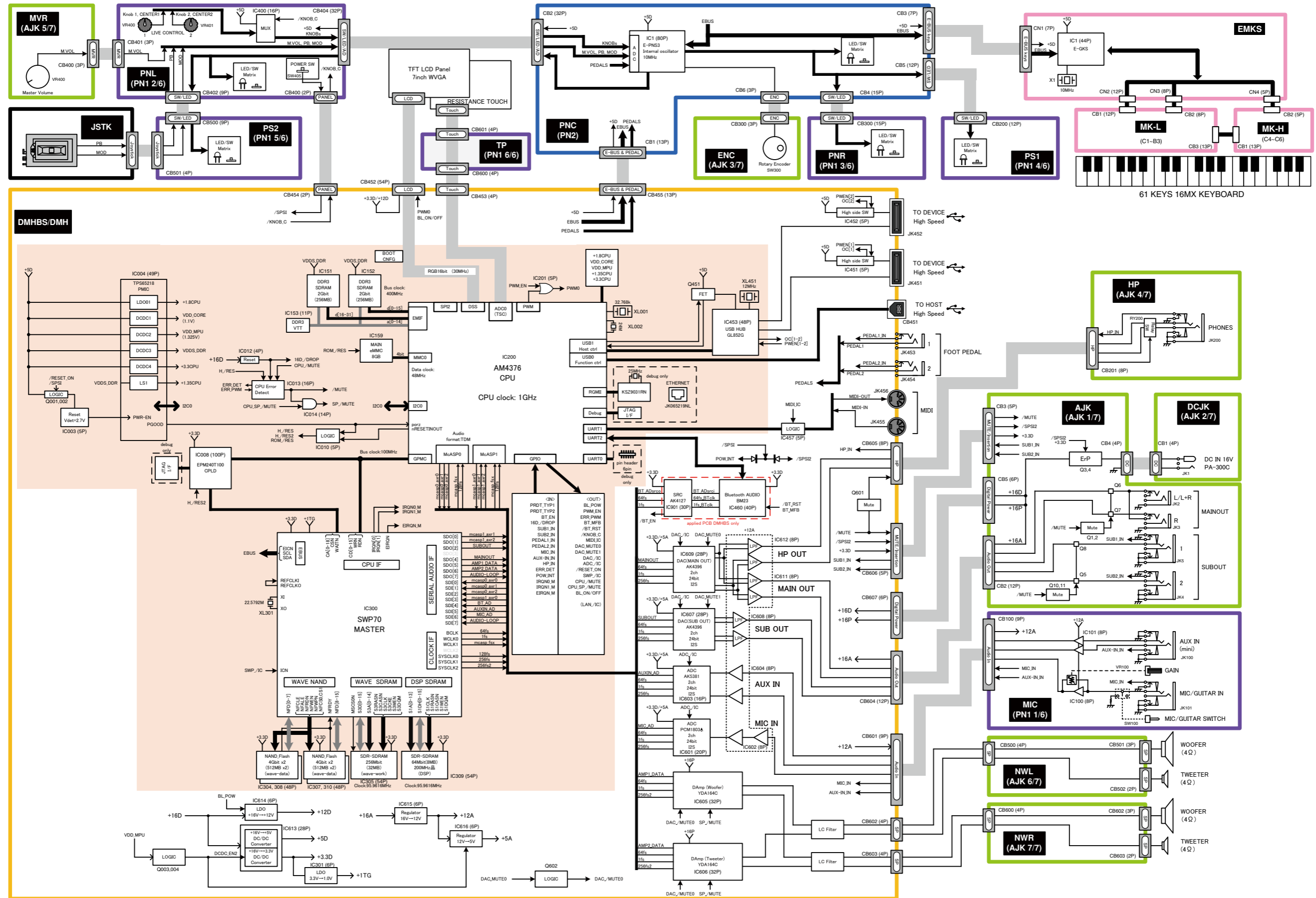
PSR-SX700 BLOCK DIAGRAM

PSR-SX700/PSR-SX900



PSR-SX900 BLOCK DIAGRAM

PSR-SX700/PSR-SX900

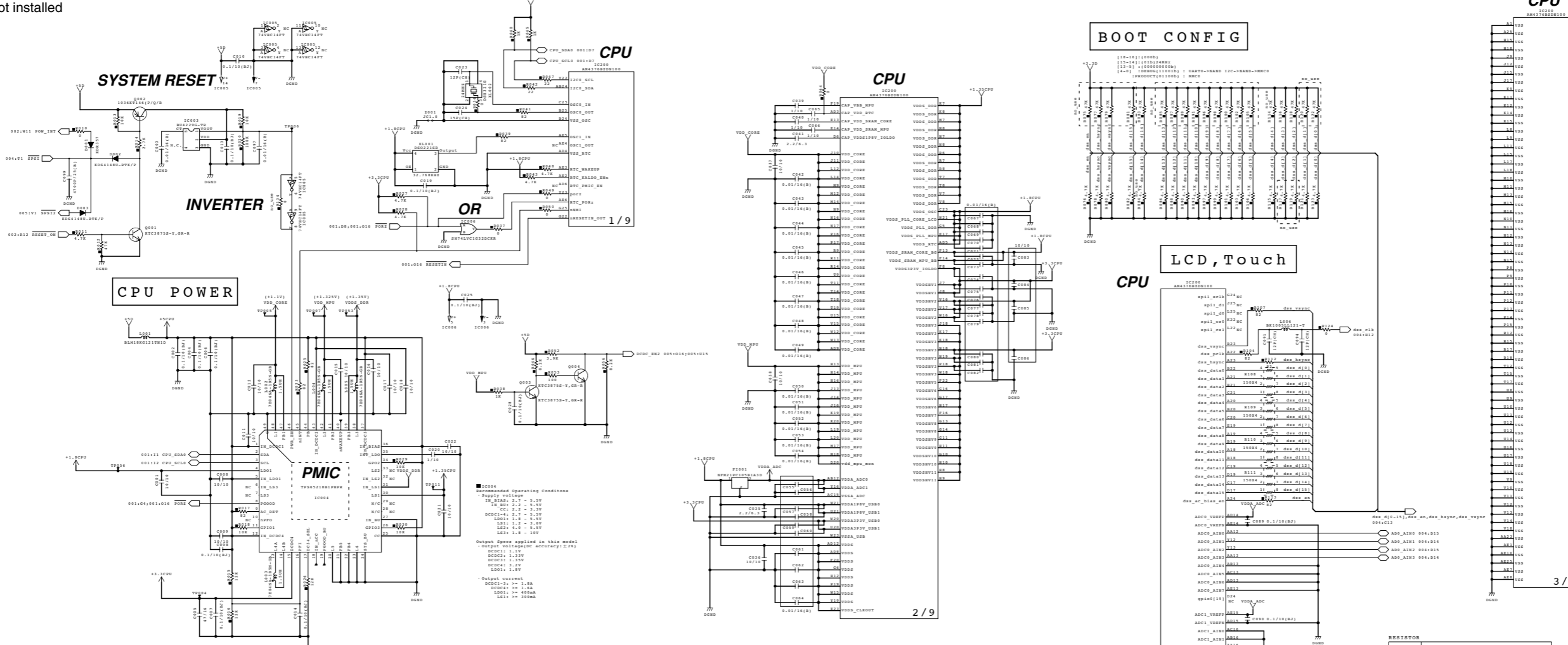


DMHBS/DMH/DMM 001 CIRCUIT DIAGRAM

PSR-SX700/PSR-SX900

no use : not installed

CPU



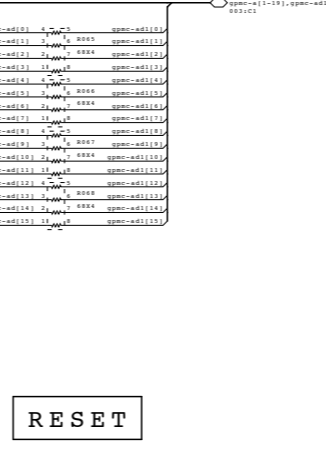
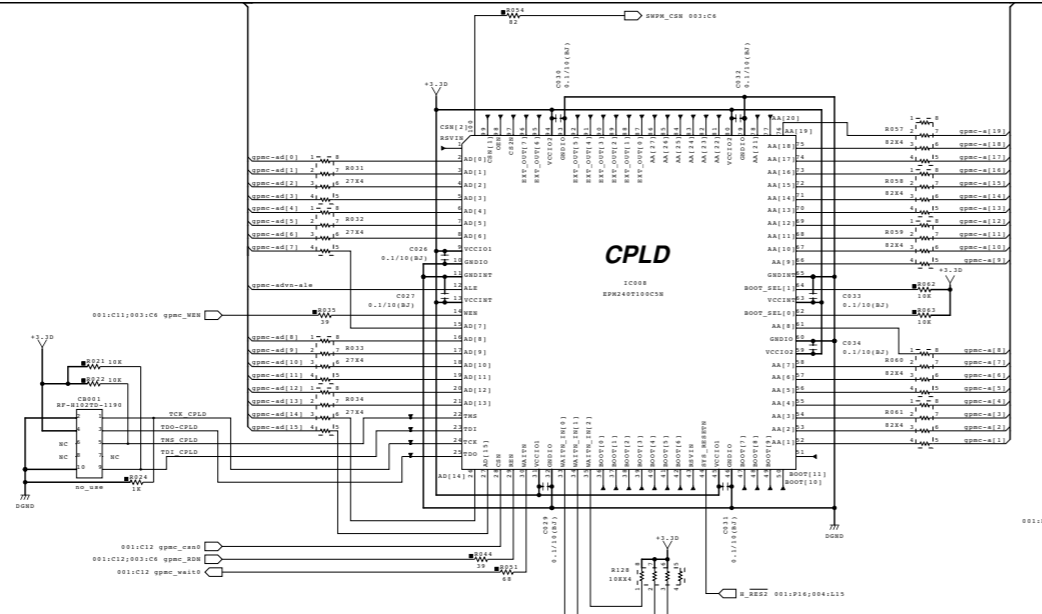
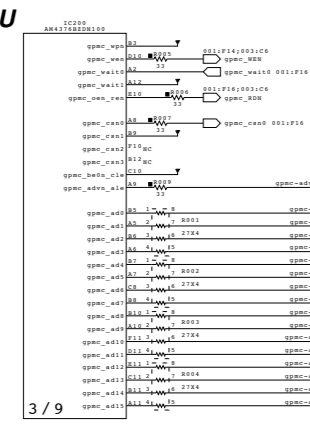
Recommended Operating Conditions
Supply Voltage
VDD1 1.8 ~ 3.3V
VDD2 1.8 ~ 3.3V
VDD3 1.8 ~ 3.3V
VDD4 1.8 ~ 3.3V
VDD5 1.8 ~ 3.3V
VDD6 1.8 ~ 3.3V
VDD7 1.8 ~ 3.3V
VDD8 1.8 ~ 3.3V
VDD9 1.8 ~ 3.3V
VDD10 1.8 ~ 3.3V
VDD11 1.8 ~ 3.3V
VDD12 1.8 ~ 3.3V
VDD13 1.8 ~ 3.3V
VDD14 1.8 ~ 3.3V
VDD15 1.8 ~ 3.3V
VDD16 1.8 ~ 3.3V
VDD17 1.8 ~ 3.3V
VDD18 1.8 ~ 3.3V
VDD19 1.8 ~ 3.3V
VDD20 1.8 ~ 3.3V
VDD21 1.8 ~ 3.3V
VDD22 1.8 ~ 3.3V
VDD23 1.8 ~ 3.3V
VDD24 1.8 ~ 3.3V
VDD25 1.8 ~ 3.3V
VDD26 1.8 ~ 3.3V
VDD27 1.8 ~ 3.3V
VDD28 1.8 ~ 3.3V
VDD29 1.8 ~ 3.3V
VDD30 1.8 ~ 3.3V
VDD31 1.8 ~ 3.3V
VDD32 1.8 ~ 3.3V
VDD33 1.8 ~ 3.3V
VDD34 1.8 ~ 3.3V
VDD35 1.8 ~ 3.3V
VDD36 1.8 ~ 3.3V
VDD37 1.8 ~ 3.3V
VDD38 1.8 ~ 3.3V
VDD39 1.8 ~ 3.3V
VDD40 1.8 ~ 3.3V
VDD41 1.8 ~ 3.3V
VDD42 1.8 ~ 3.3V
VDD43 1.8 ~ 3.3V
VDD44 1.8 ~ 3.3V
VDD45 1.8 ~ 3.3V
VDD46 1.8 ~ 3.3V
VDD47 1.8 ~ 3.3V
VDD48 1.8 ~ 3.3V
VDD49 1.8 ~ 3.3V
VDD50 1.8 ~ 3.3V
VDD51 1.8 ~ 3.3V
VDD52 1.8 ~ 3.3V
VDD53 1.8 ~ 3.3V
VDD54 1.8 ~ 3.3V
VDD55 1.8 ~ 3.3V
VDD56 1.8 ~ 3.3V
VDD57 1.8 ~ 3.3V
VDD58 1.8 ~ 3.3V
VDD59 1.8 ~ 3.3V
VDD60 1.8 ~ 3.3V
VDD61 1.8 ~ 3.3V
VDD62 1.8 ~ 3.3V
VDD63 1.8 ~ 3.3V
VDD64 1.8 ~ 3.3V
VDD65 1.8 ~ 3.3V
VDD66 1.8 ~ 3.3V
VDD67 1.8 ~ 3.3V
VDD68 1.8 ~ 3.3V
VDD69 1.8 ~ 3.3V
VDD70 1.8 ~ 3.3V
VDD71 1.8 ~ 3.3V
VDD72 1.8 ~ 3.3V
VDD73 1.8 ~ 3.3V
VDD74 1.8 ~ 3.3V
VDD75 1.8 ~ 3.3V
VDD76 1.8 ~ 3.3V
VDD77 1.8 ~ 3.3V
VDD78 1.8 ~ 3.3V
VDD79 1.8 ~ 3.3V
VDD80 1.8 ~ 3.3V
VDD81 1.8 ~ 3.3V
VDD82 1.8 ~ 3.3V
VDD83 1.8 ~ 3.3V
VDD84 1.8 ~ 3.3V
VDD85 1.8 ~ 3.3V
VDD86 1.8 ~ 3.3V
VDD87 1.8 ~ 3.3V
VDD88 1.8 ~ 3.3V
VDD89 1.8 ~ 3.3V
VDD90 1.8 ~ 3.3V
VDD91 1.8 ~ 3.3V
VDD92 1.8 ~ 3.3V
VDD93 1.8 ~ 3.3V
VDD94 1.8 ~ 3.3V
VDD95 1.8 ~ 3.3V
VDD96 1.8 ~ 3.3V
VDD97 1.8 ~ 3.3V
VDD98 1.8 ~ 3.3V
VDD99 1.8 ~ 3.3V
VDD100 1.8 ~ 3.3V

Output Specs applied in this model
Output Voltage Accuracy (V_{OUT})
V_{OUT1} 1.5%
V_{OUT2} 1.5%
V_{OUT3} 1.5%
V_{OUT4} 1.5%
V_{OUT5} 1.5%
V_{OUT6} 1.5%
V_{OUT7} 1.5%
V_{OUT8} 1.5%
V_{OUT9} 1.5%
V_{OUT10} 1.5%
V_{OUT11} 1.5%
V_{OUT12} 1.5%
V_{OUT13} 1.5%
V_{OUT14} 1.5%
V_{OUT15} 1.5%
V_{OUT16} 1.5%
V_{OUT17} 1.5%
V_{OUT18} 1.5%
V_{OUT19} 1.5%
V_{OUT20} 1.5%
V_{OUT21} 1.5%
V_{OUT22} 1.5%
V_{OUT23} 1.5%
V_{OUT24} 1.5%
V_{OUT25} 1.5%
V_{OUT26} 1.5%
V_{OUT27} 1.5%
V_{OUT28} 1.5%
V_{OUT29} 1.5%
V_{OUT30} 1.5%
V_{OUT31} 1.5%
V_{OUT32} 1.5%
V_{OUT33} 1.5%
V_{OUT34} 1.5%
V_{OUT35} 1.5%
V_{OUT36} 1.5%
V_{OUT37} 1.5%
V_{OUT38} 1.5%
V_{OUT39} 1.5%
V_{OUT40} 1.5%
V_{OUT41} 1.5%
V_{OUT42} 1.5%
V_{OUT43} 1.5%
V_{OUT44} 1.5%
V_{OUT45} 1.5%
V_{OUT46} 1.5%
V_{OUT47} 1.5%
V_{OUT48} 1.5%
V_{OUT49} 1.5%
V_{OUT50} 1.5%
V_{OUT51} 1.5%
V_{OUT52} 1.5%
V_{OUT53} 1.5%
V_{OUT54} 1.5%
V_{OUT55} 1.5%
V_{OUT56} 1.5%
V_{OUT57} 1.5%
V_{OUT58} 1.5%
V_{OUT59} 1.5%
V_{OUT60} 1.5%
V_{OUT61} 1.5%
V_{OUT62} 1.5%
V_{OUT63} 1.5%
V_{OUT64} 1.5%
V_{OUT65} 1.5%
V_{OUT66} 1.5%
V_{OUT67} 1.5%
V_{OUT68} 1.5%
V_{OUT69} 1.5%
V_{OUT70} 1.5%
V_{OUT71} 1.5%
V_{OUT72} 1.5%
V_{OUT73} 1.5%
V_{OUT74} 1.5%
V_{OUT75} 1.5%
V_{OUT76} 1.5%
V_{OUT77} 1.5%
V_{OUT78} 1.5%
V_{OUT79} 1.5%
V_{OUT80} 1.5%
V_{OUT81} 1.5%
V_{OUT82} 1.5%
V_{OUT83} 1.5%
V_{OUT84} 1.5%
V_{OUT85} 1.5%
V_{OUT86} 1.5%
V_{OUT87} 1.5%
V_{OUT88} 1.5%
V_{OUT89} 1.5%
V_{OUT90} 1.5%
V_{OUT91} 1.5%
V_{OUT92} 1.5%
V_{OUT93} 1.5%
V_{OUT94} 1.5%
V_{OUT95} 1.5%
V_{OUT96} 1.5%
V_{OUT97} 1.5%
V_{OUT98} 1.5%
V_{OUT99} 1.5%
V_{OUT100} 1.5%

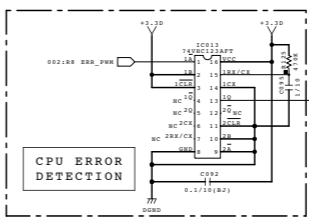
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (251)
NO MARK	CARBON FILM RESISTOR (P10)
▲	METAL OXIDE FILM RESISTOR
△	METAL FILM RESISTOR
□	METAL PLATE RESISTOR
■	FIRE PROOF CARBON FILM RESISTOR
○	CERAMIC HOLED RESISTOR
◇	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
○	SOLID ELECTROLYTIC CAPACITOR
NO MARK	CERAMIC CAPACITOR
○	CERAMIC TUBULAR CAPACITOR
○	POLYESTER FILM CAPACITOR
○	POLYETHYLENE FILM CAPACITOR
○	MICA CAPACITOR
○	POLYPROPYLENE FILM CAPACITOR
○	SEMICONDUCTIVE CERAMIC CAPACITOR

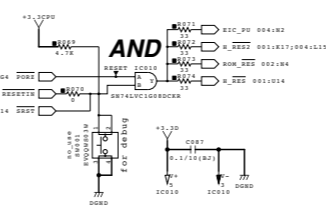
CPU-SWP70 BUS



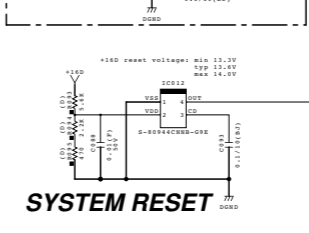
MUTE SINGLE SHOT



RESET



CPU ERROR DETECTION

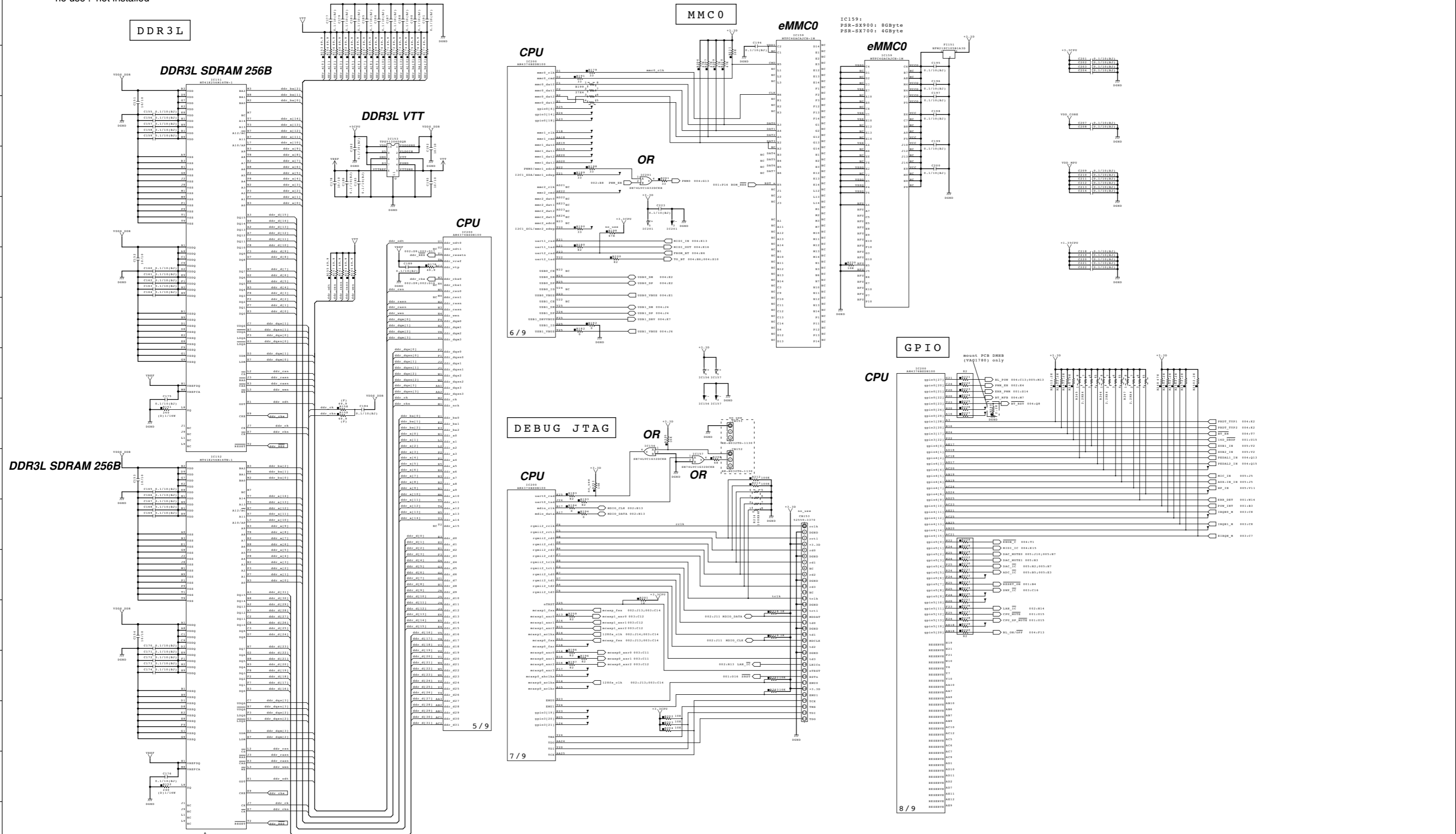


SYSTEM RESET



DMHBS/DMH/DMM 002 CIRCUIT DIAGRAM

no use : not installed

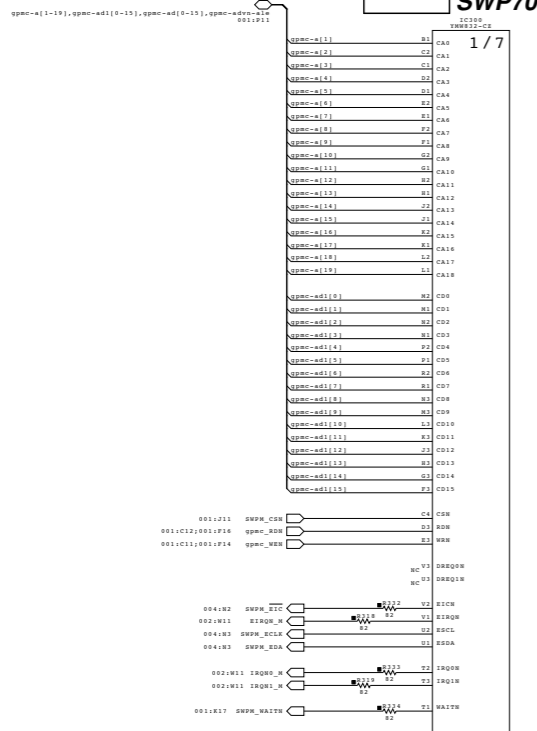


DMHBS/DMH/DMM 003 CIRCUIT DIAGRAM

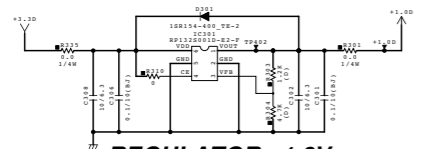
PSR-SX700/PSR-SX900

no use : not installed

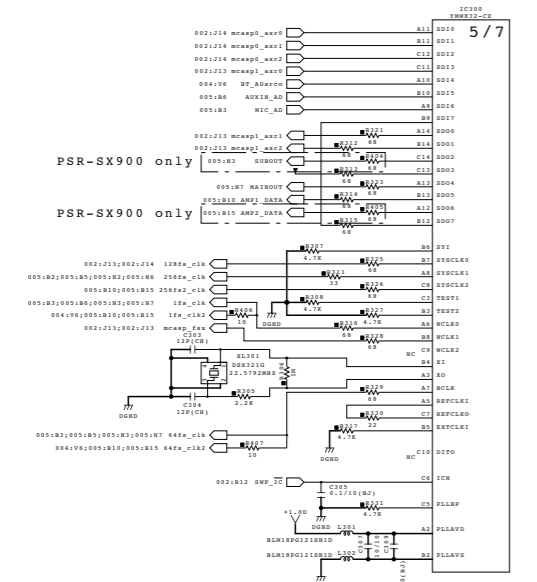
SWP70 MASTER



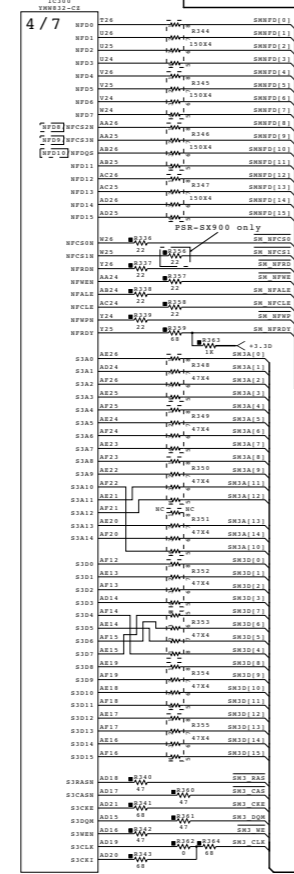
REGULATOR +1.0V



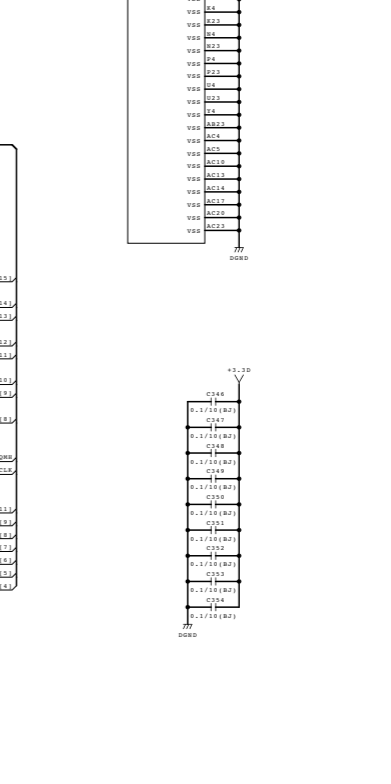
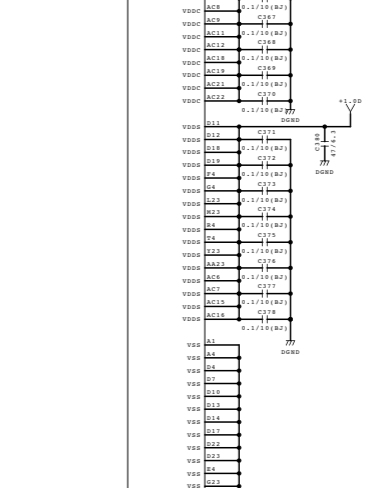
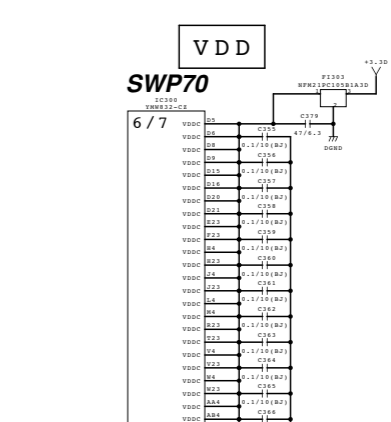
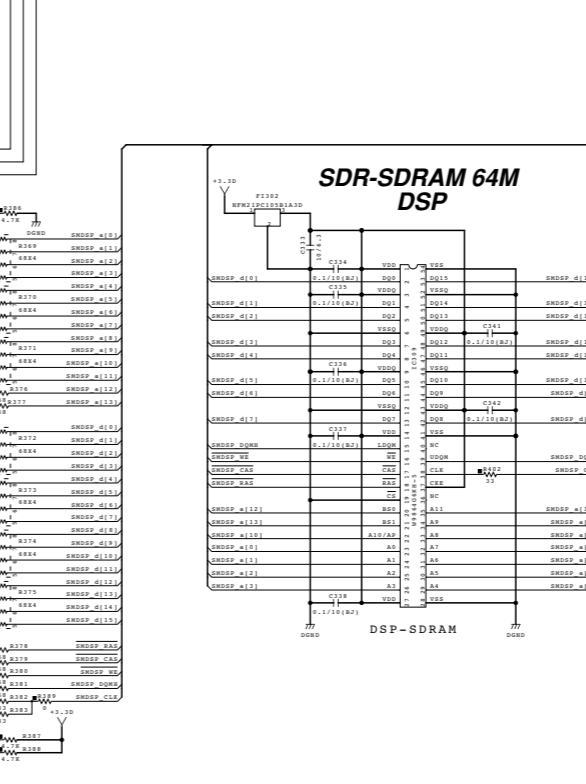
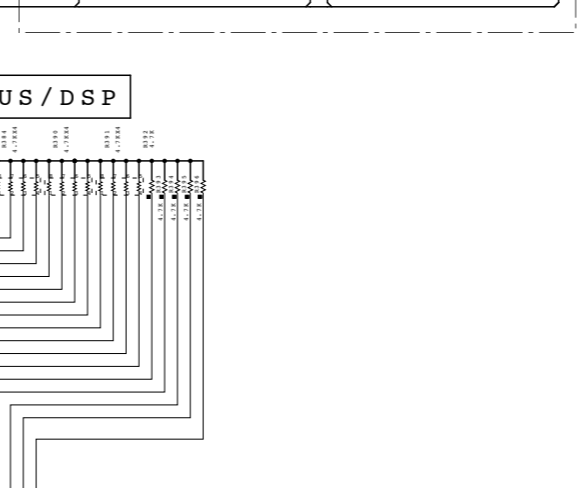
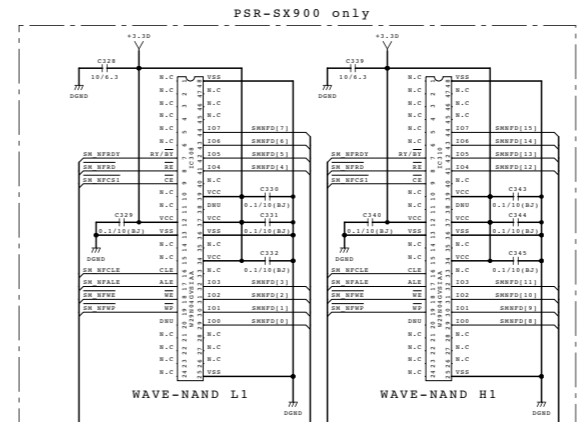
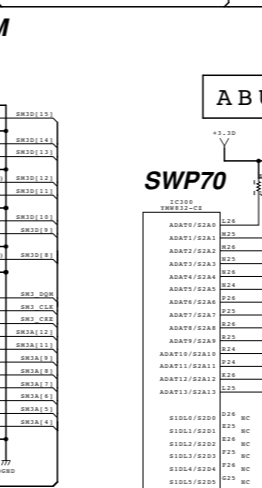
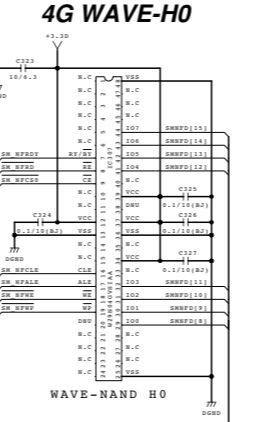
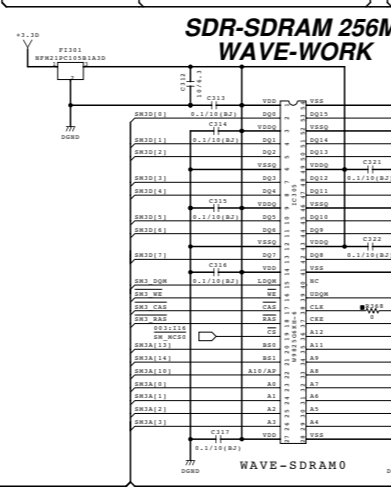
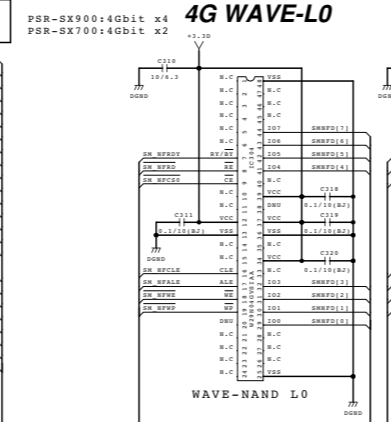
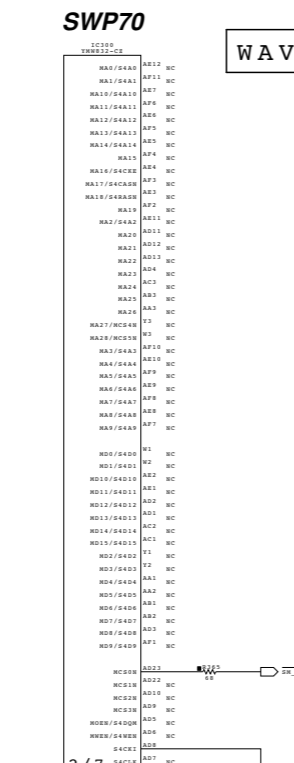
SDIO



SWP70 WAVE 1



SWP70 WAVE 2



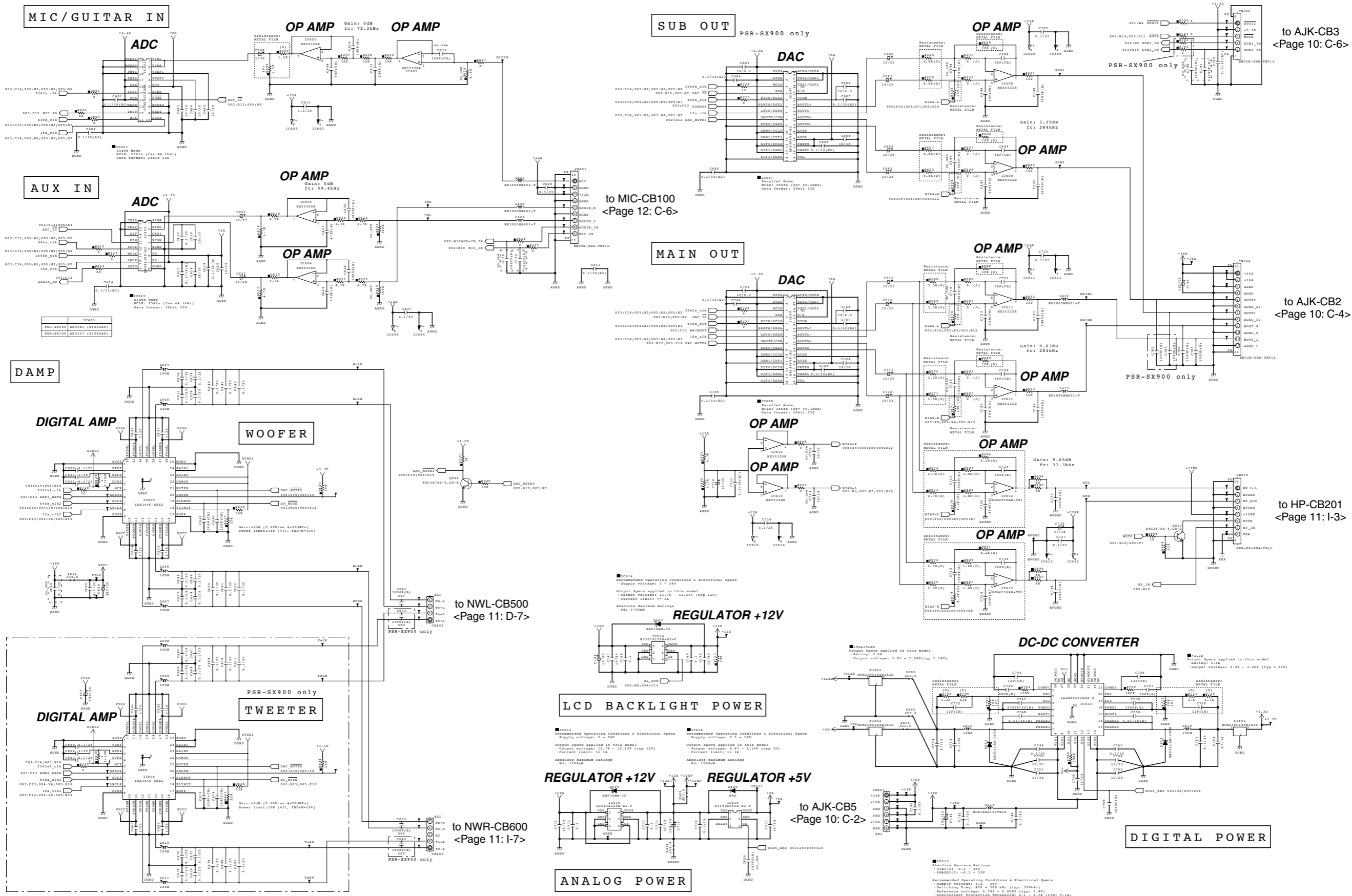
DMHBS/DMH/DMM 005 CIRCUIT DIAGRAM

PSR-SX700/PSR-SX900

no use : not installed

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17



AJK CIRCUIT DIAGRAM

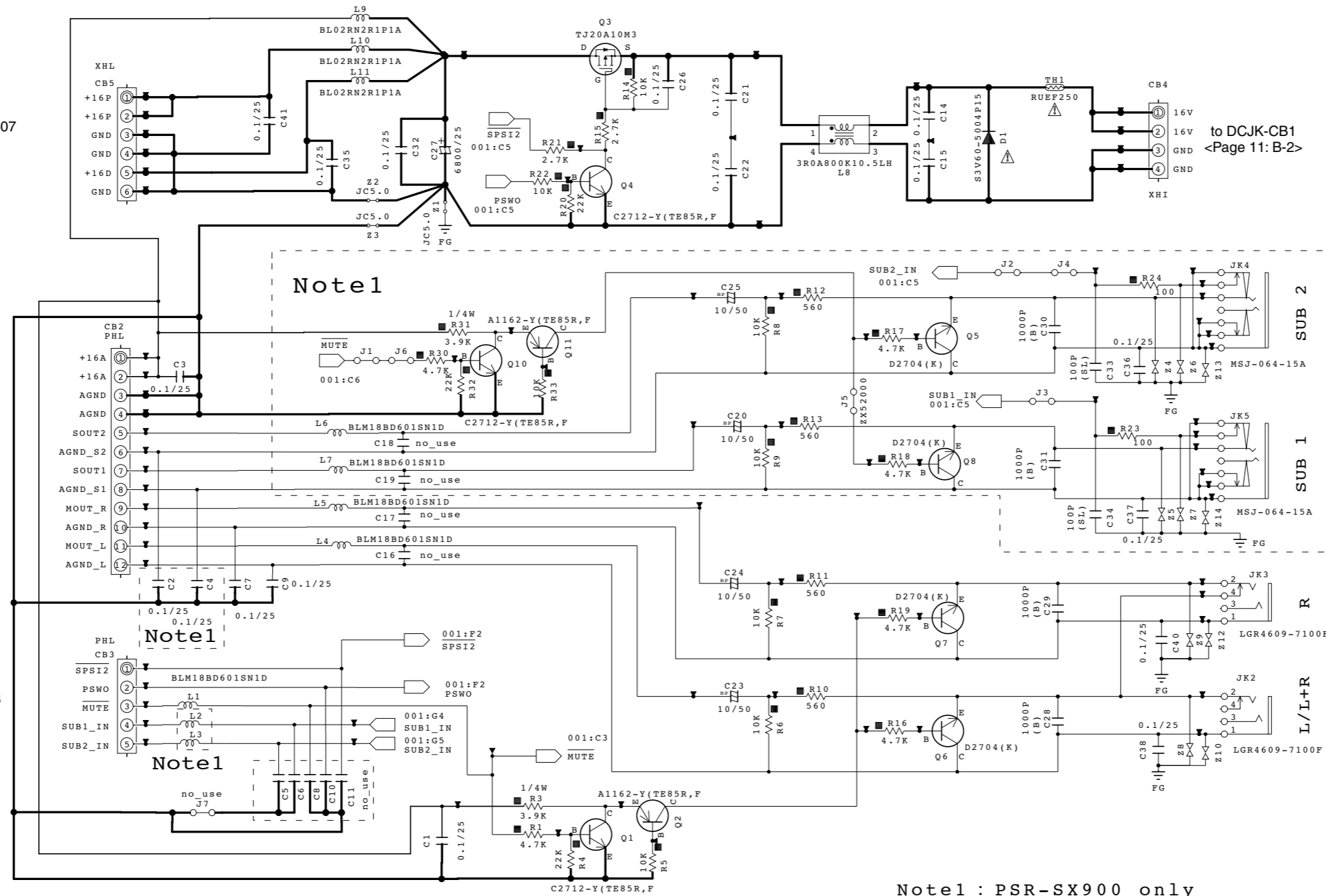
no use : not installed

AJK

to DMHBS/DMH/DMM-CB607
<Page 9: Q-15>

to DMHBS/DMH/DMM-CB604
<Page 9: W-6>

to DMHBS/DMH/DMM-CB606
<Page 9: W-1>



Note1 : PSR-SX900 only

OUT PUT

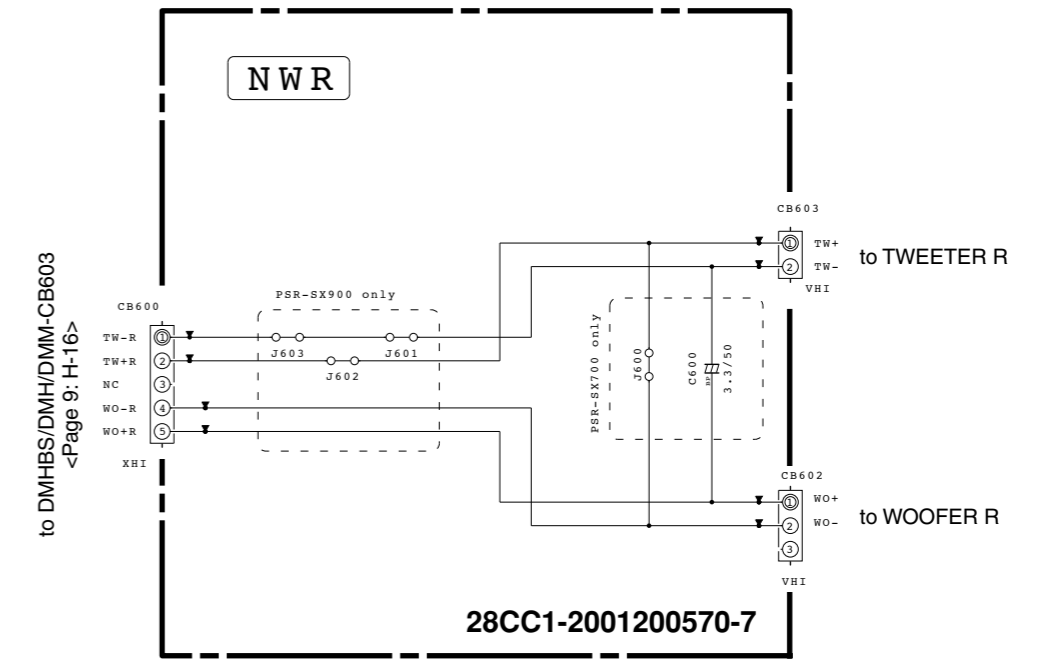
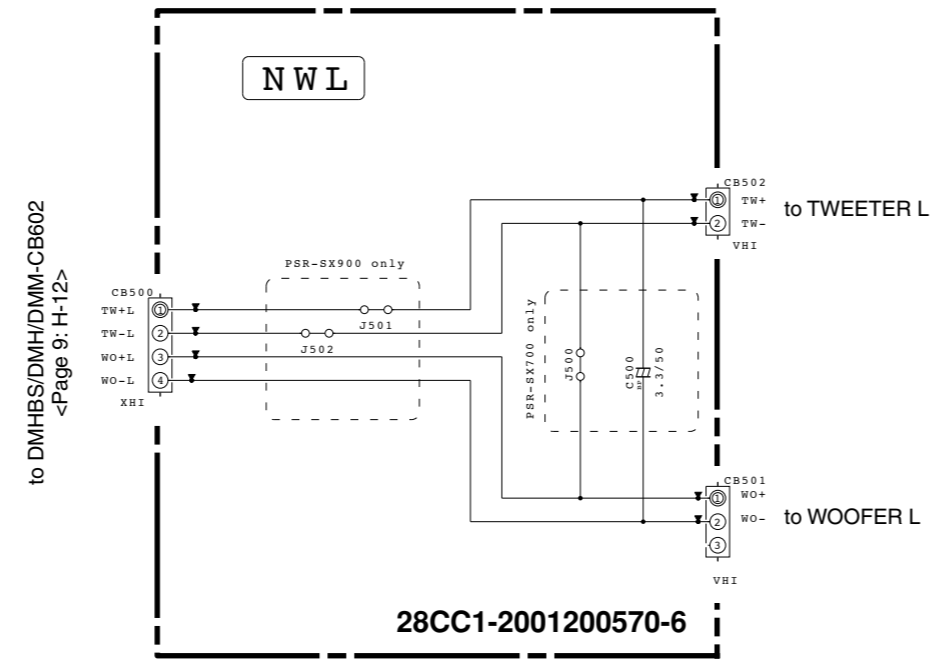
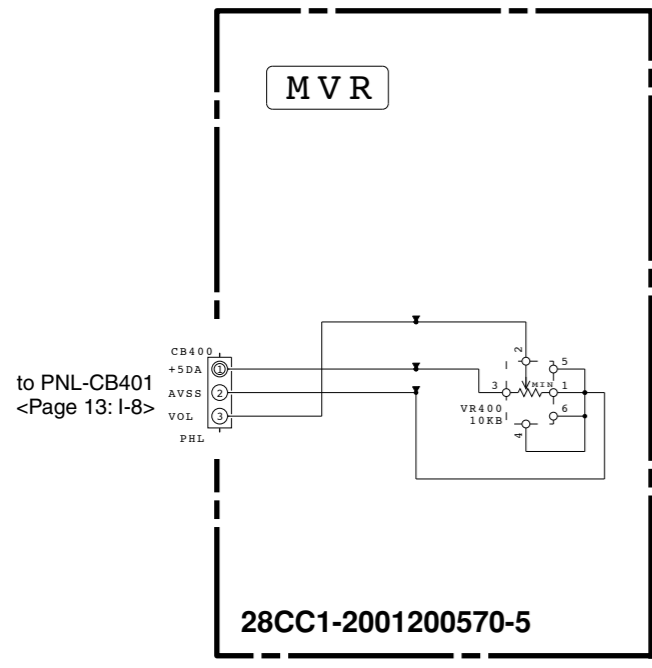
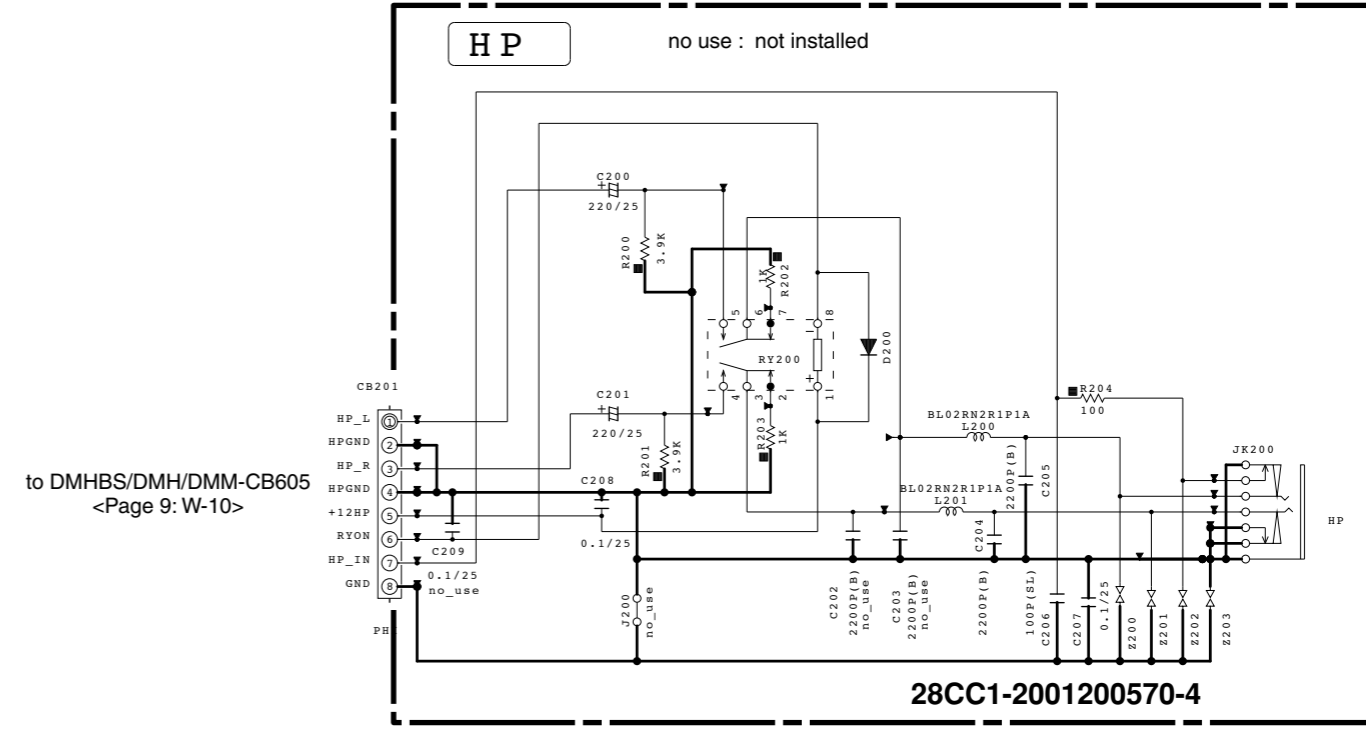
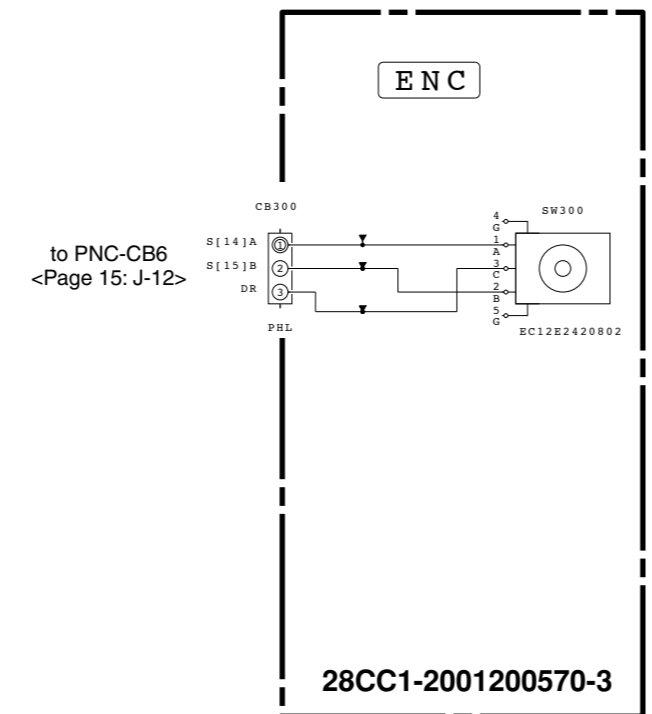
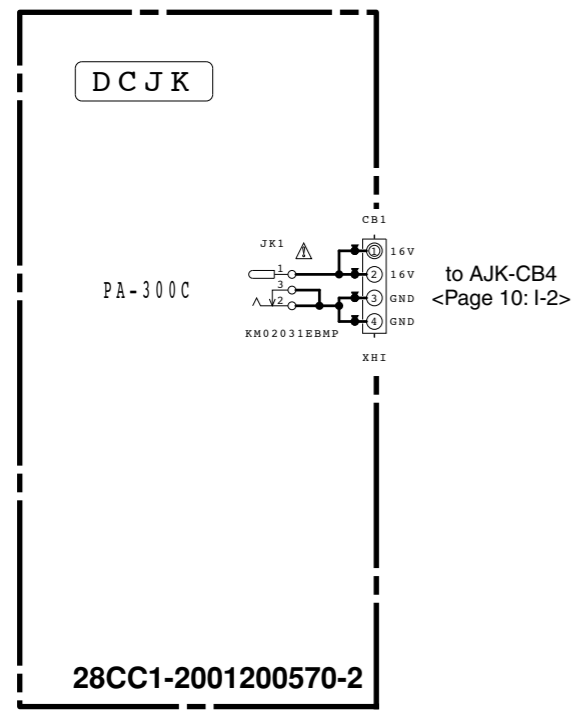
CAPACITOR

REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	⊘
⊗	SOLID ELECTROLYTIC CAPACITOR	
NO MARK	CERAMIC CAPACITOR	+
●	CERAMIC TUBULAR CAPACITOR	
⊙	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
Ⓛ	MICA CAPACITOR	
Ⓟ	POLYPROPYLENE FILM CAPACITOR	
Ⓢ	SEMICONDUCTIVE CERAMIC CAPACITOR	
Ⓢ	POLYPHENYLENE SULFIDE FILM CAPACITOR	

RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
⊠	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
⊠	METAL FILM RESISTOR
⊠	METAL PLATE RESISTOR
⊠	FIRE PROOF CARBON FILM RESISTOR
⊠	CEMENT MOLDED RESISTOR
⊠	SEMI VARIABLE RESISTOR
⊠	CHIP RESISTOR

DCJK, ENC, HP, MVR, NWL, NWR CIRCUIT DIAGRAM



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

DCJK, ENC, HP, MVR, NWL, NWR CIRCUIT DIAGRAM

MIC CIRCUIT DIAGRAM

no use : not installed

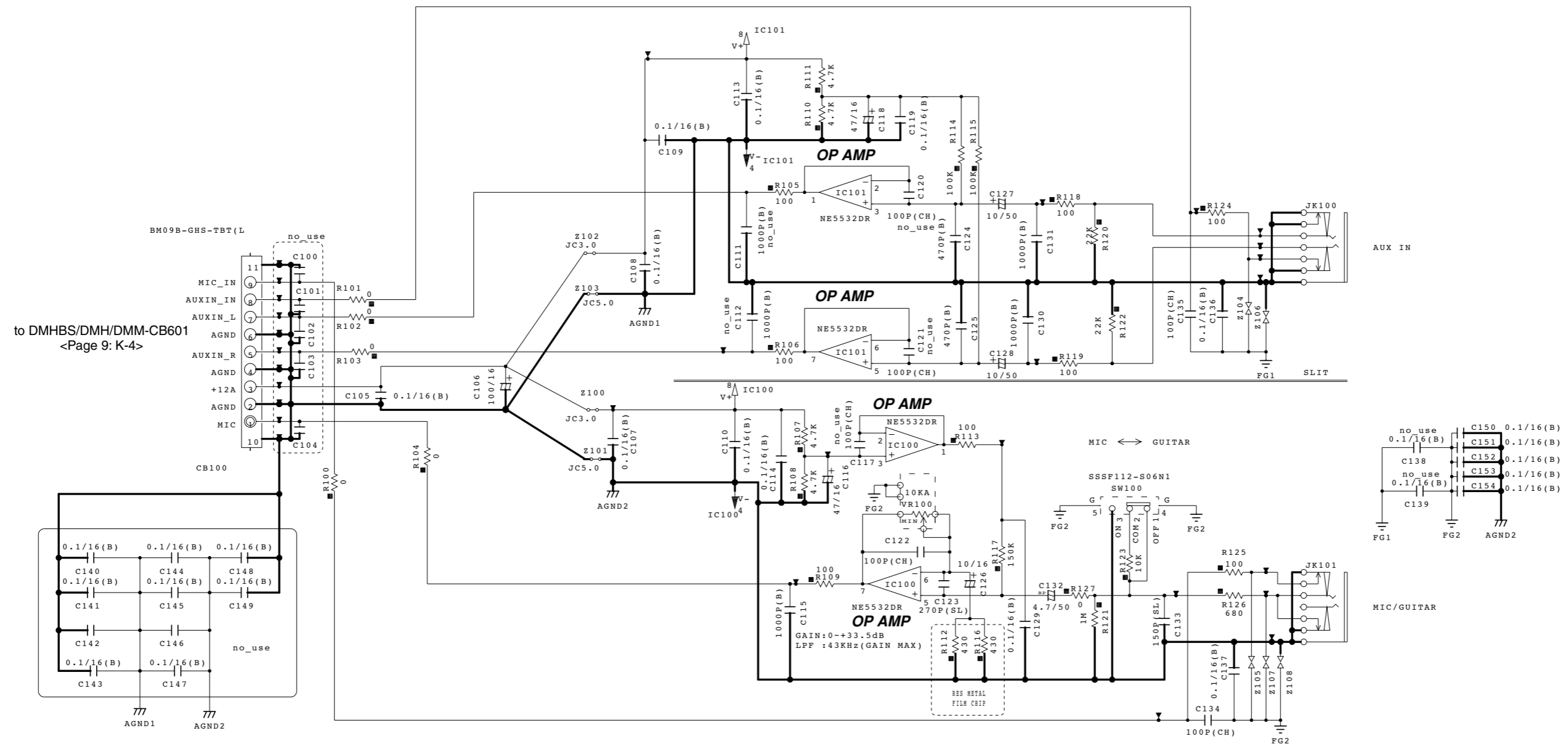
M I C

RESISTOR

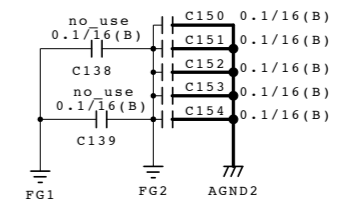
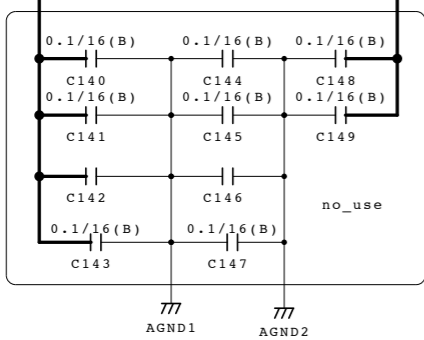
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
□	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
⊠	METAL PLATE RESISTOR
▨	FIRE PROOF CARBON FILM RESISTOR
□	CEMENT MOLDED RESISTOR
⊙	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

CAPACITOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	SOLID ELECTROLYTIC CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
◎	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
⊖	MICA CAPACITOR
Ⓟ	POLYPROPYLENE FILM CAPACITOR
⊙	SEMICONDUCTIVE CERAMIC CAPACITOR
Ⓢ	POLYPHENYLENE SULFIDE FILM CAPACITOR



to DMHBS/DMH/DMM-CB601
<Page 9: K-4>

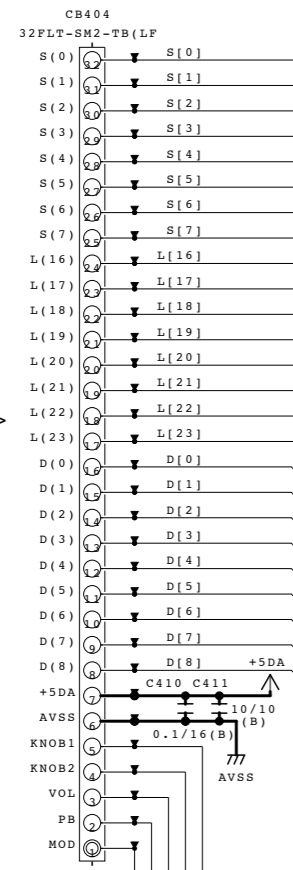


PNL CIRCUIT DIAGRAM

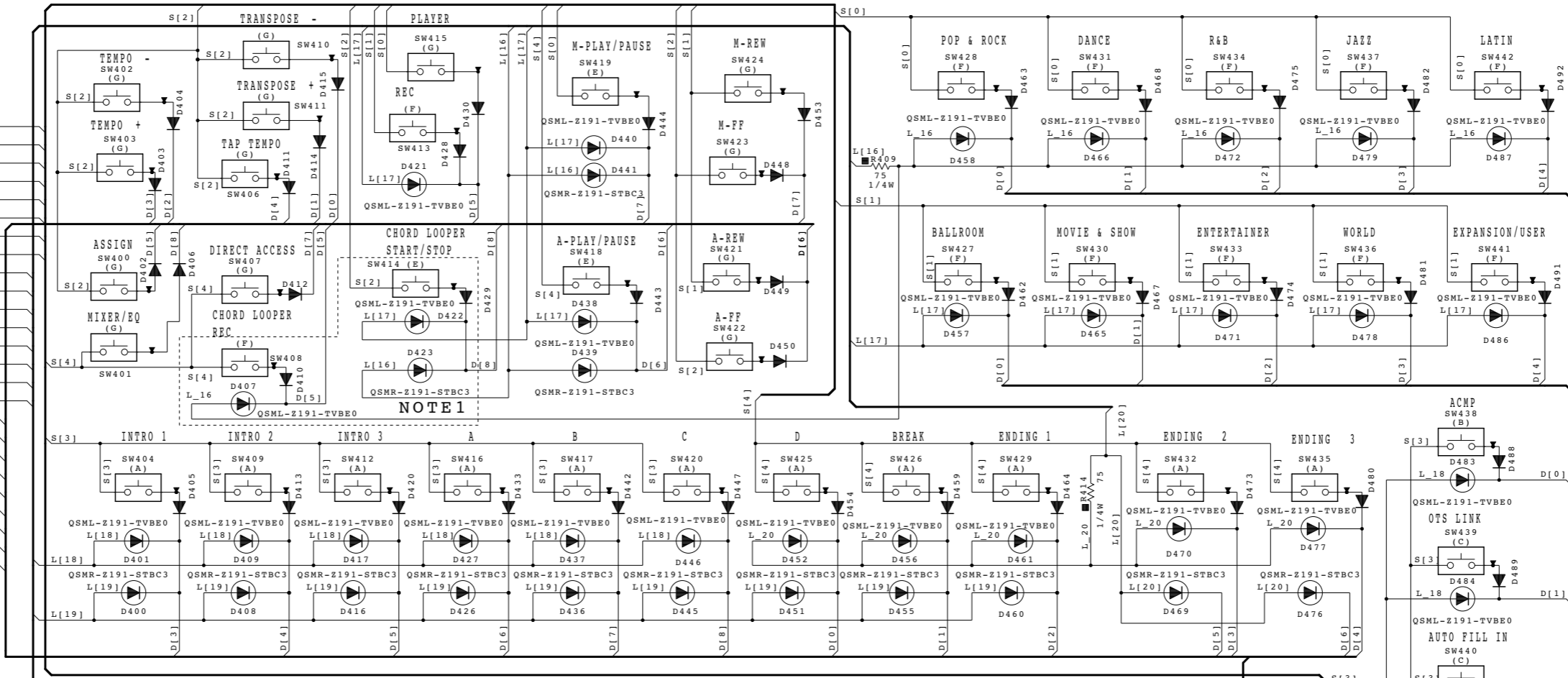
PSR-SX700/PSR-SX900

no use : not installed

PNL



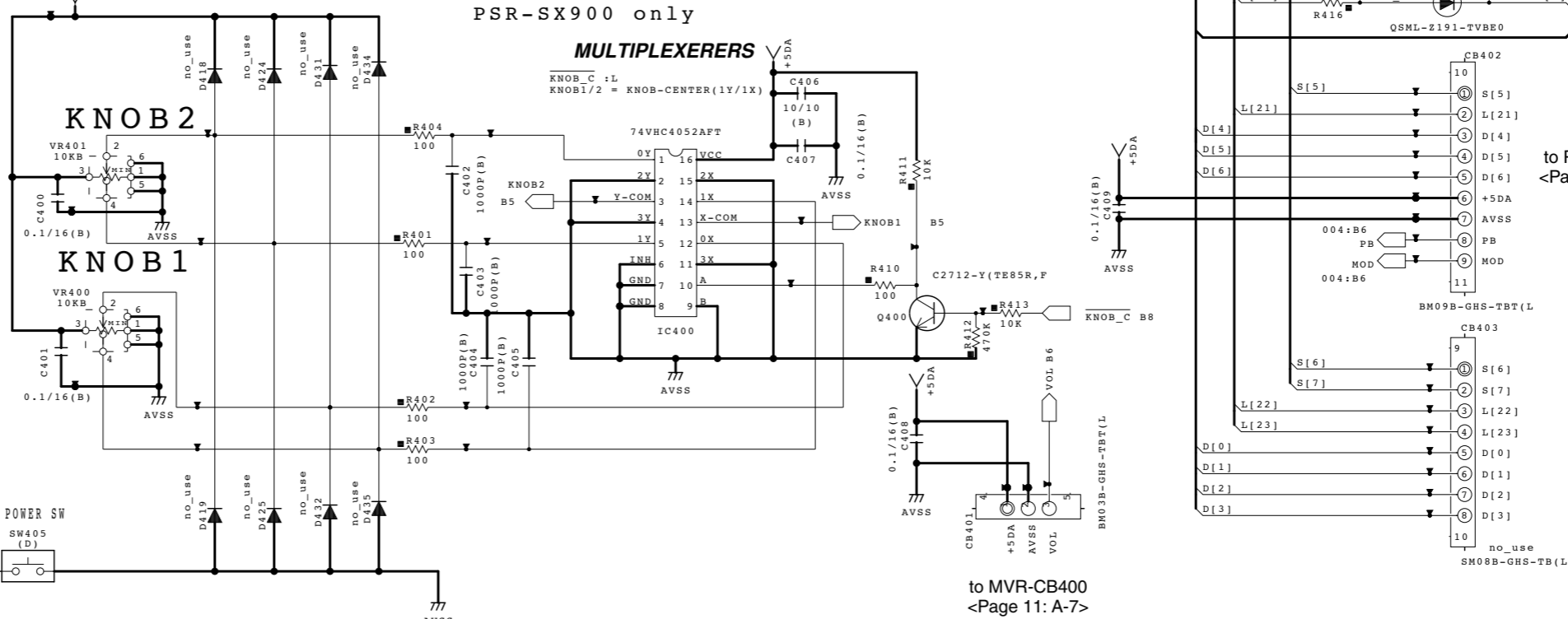
to PNC-CB2
<Page 15: B-8>



Note1 : D422/D423/D407/D410/D429
PSR-SX900 only

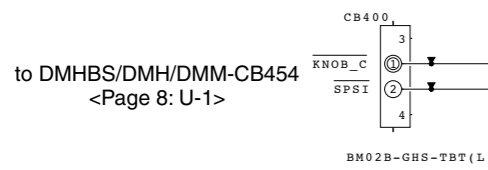
MULTIPLEXERS

Knob C : L
Knob1/2 = Knob-Center(1Y/1X)



to PS2-CB500
<Page 14: H-6>

to MVR-CB400
<Page 11: A-7>

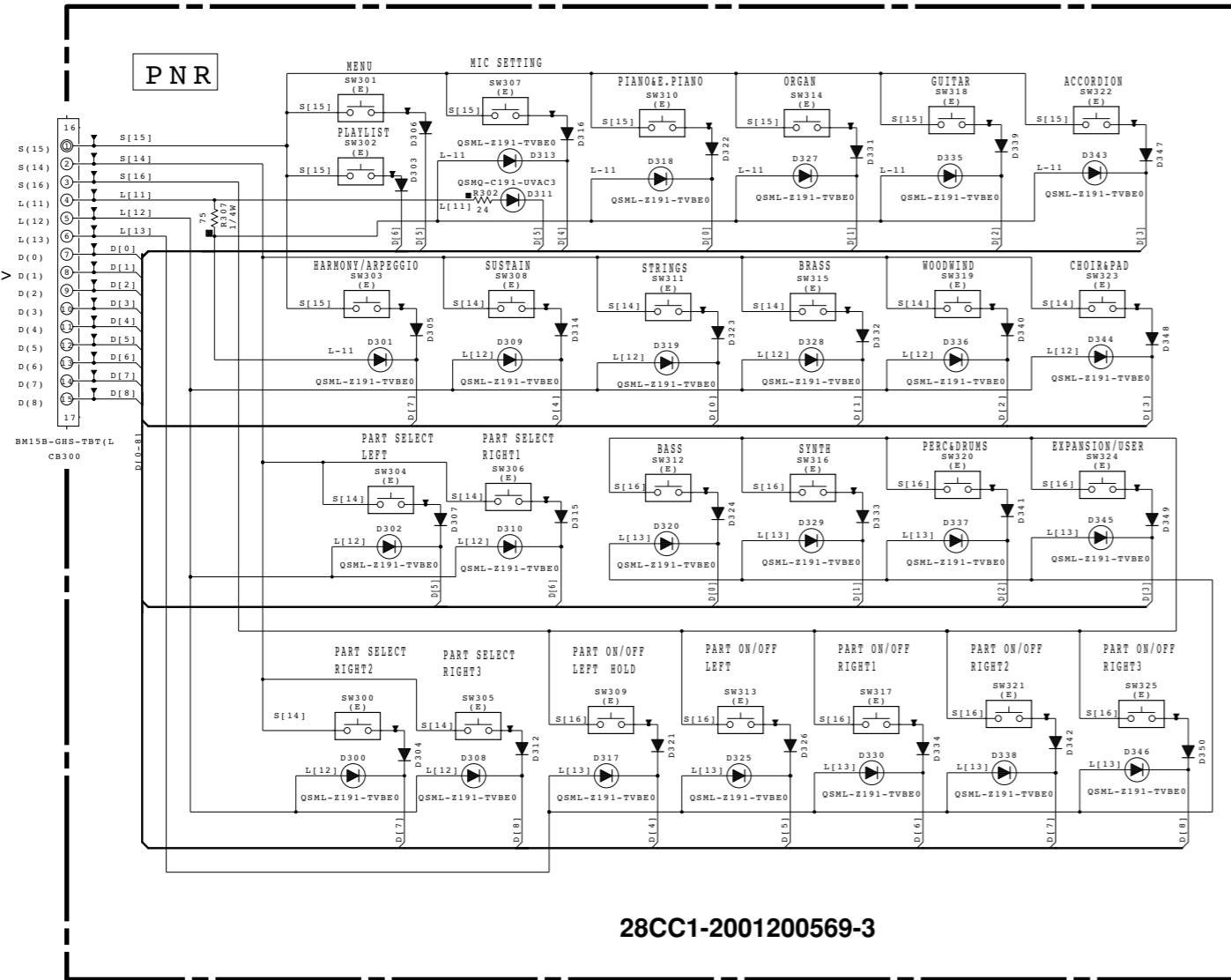


to DMHBS/DMH/DMM-CB454
<Page 8: U-1>

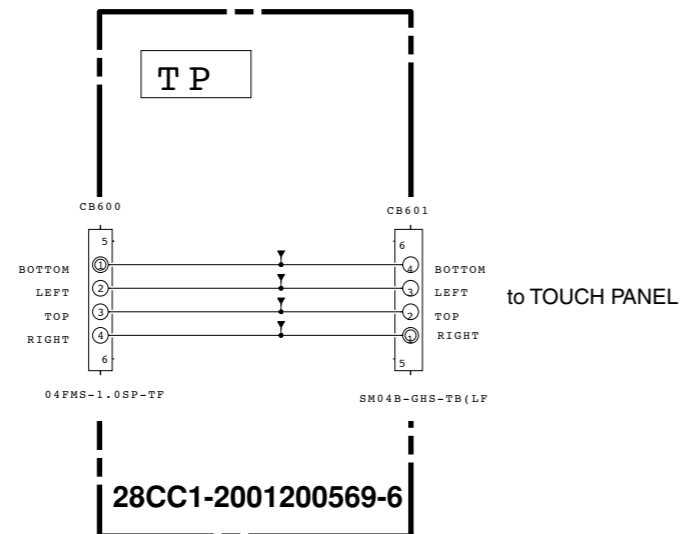
PNR, PS1, PS2, TP CIRCUIT DIAGRAM

PSR-SX700/PSR-SX900

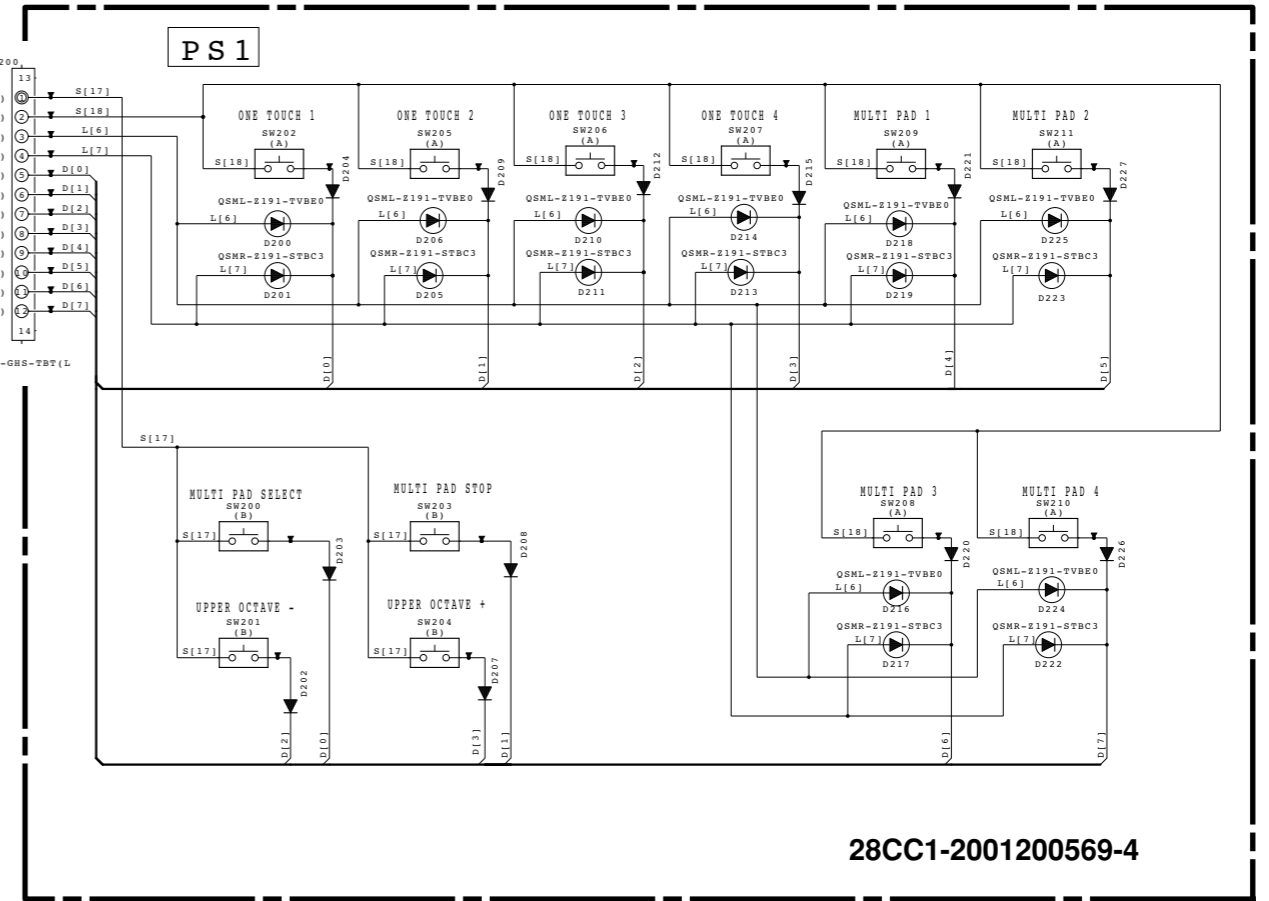
to PNC-CB4
<Page 15: F-12>



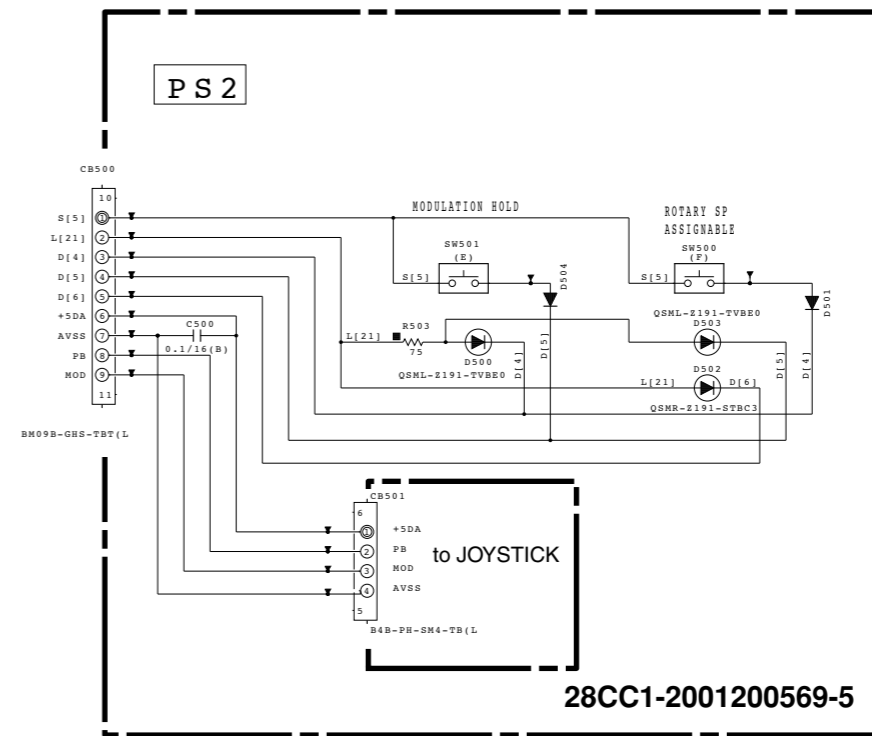
to DMHBS/DMH/DMM-CB453
<Page 8: G-15>



to PNC-CB5
<Page 15: H-12>

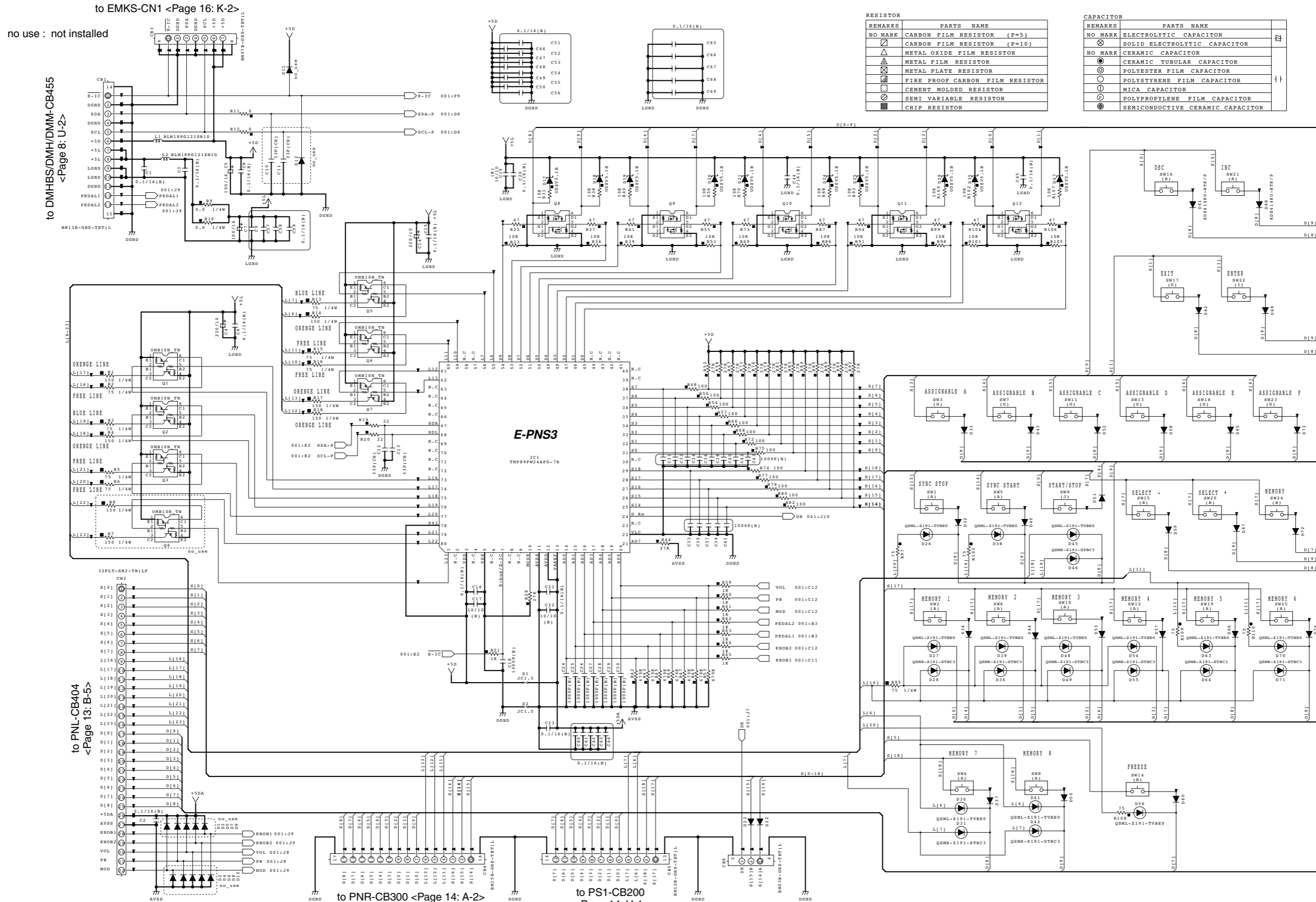


to PNL-CB402
<Page 13: K-6>



PNR, PS1, PS2, TP CIRCUIT DIAGRAM

PNC CIRCUIT DIAGRAM



RESISTOR

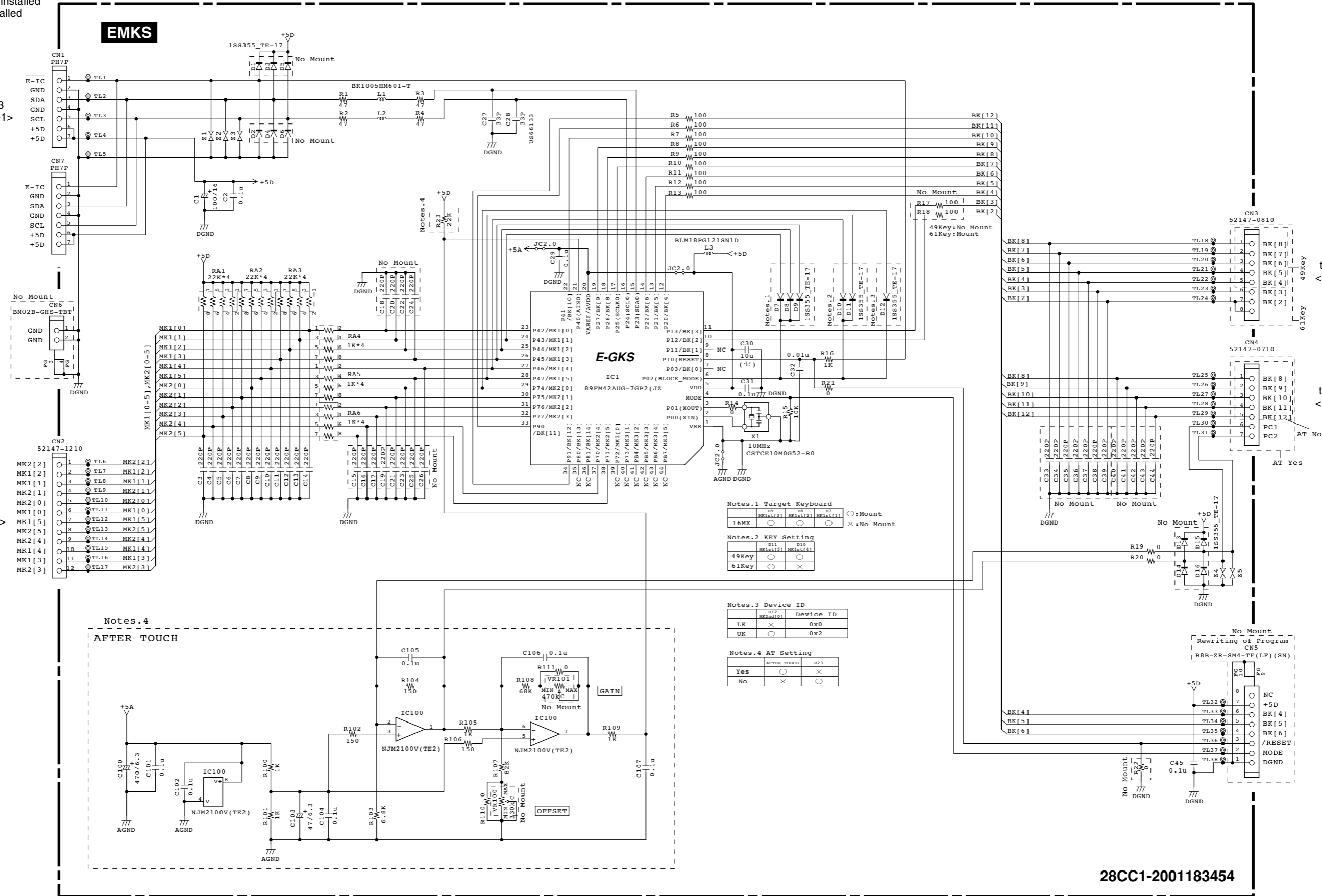
REMARKS	PARTS NAME
□	CARBON FILM RESISTOR (P=5)
⊠	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
▢	METAL FILM RESISTOR
⊞	METAL PLATE RESISTOR
⊞	FIRE PROOF CARBON FILM RESISTOR
⊞	CEMENT MOLDED RESISTOR
⊞	SEMI VARIABLE RESISTOR
⊞	CHIP RESISTOR

CAPACITOR

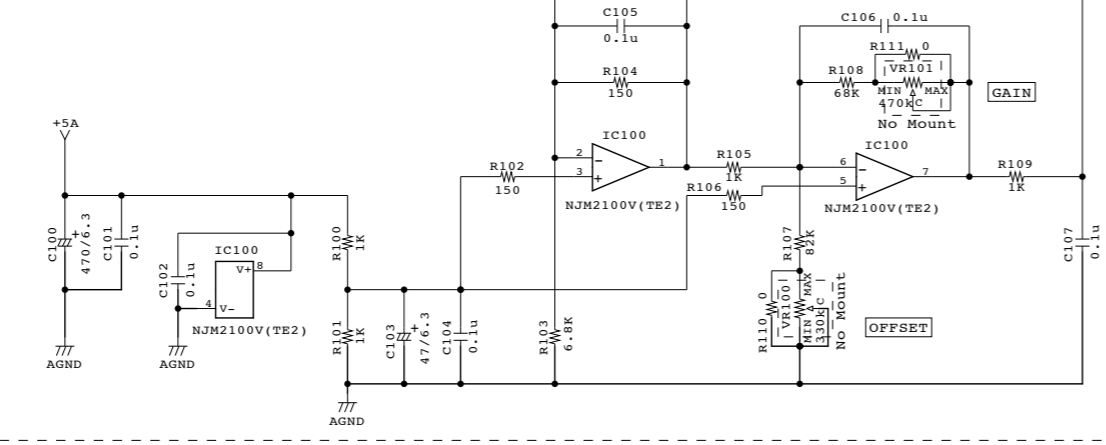
REMARKS	PARTS NAME
□	ELECTROLYTIC CAPACITOR
⊞	SOLID ELECTROLYTIC CAPACITOR
□	CERAMIC CAPACITOR
⊞	CERAMIC TUBULAR CAPACITOR
⊞	POLYESTER FILM CAPACITOR
⊞	POLYSTYRENE FILM CAPACITOR
⊞	MICA CAPACITOR
⊞	POLYPROPYLENE FILM CAPACITOR
⊞	SEMICONDUCTIVE CERAMIC CAPACITOR

EMKS CIRCUIT DIAGRAM

No Mount : not installed
Mount : installed



Notes.4 AFTER TOUCH



- Notes.1 Target Keyboard
- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| D9 | D8 | D7 | D6 | |
| MK1[1] | MK1[2] | MK1[3] | MK1[4] | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 16MX | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
- Notes.2 KEY Setting
- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| D11 | D10 | D9 | D8 | |
| MK1[5] | MK1[4] | MK1[3] | MK1[2] | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 49Key | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 61Key | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
- Notes.3 Device ID
- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| D12 | D11 | D10 | D9 | |
| MK2[0] | MK2[1] | MK2[2] | MK2[3] | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LK | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| UK | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
- Notes.4 AT Setting
- | | | |
|--------|--------------------------|--------------------------|
| R23 | R22 | |
| AT Yes | <input type="checkbox"/> | <input type="checkbox"/> |
| AT No | <input type="checkbox"/> | <input type="checkbox"/> |

to PNC-CB3
<Page 15: B-1>

to MK-L-CB1
<Page 17: A-6>

to MK-L-CB2
<Page 17: A-9>

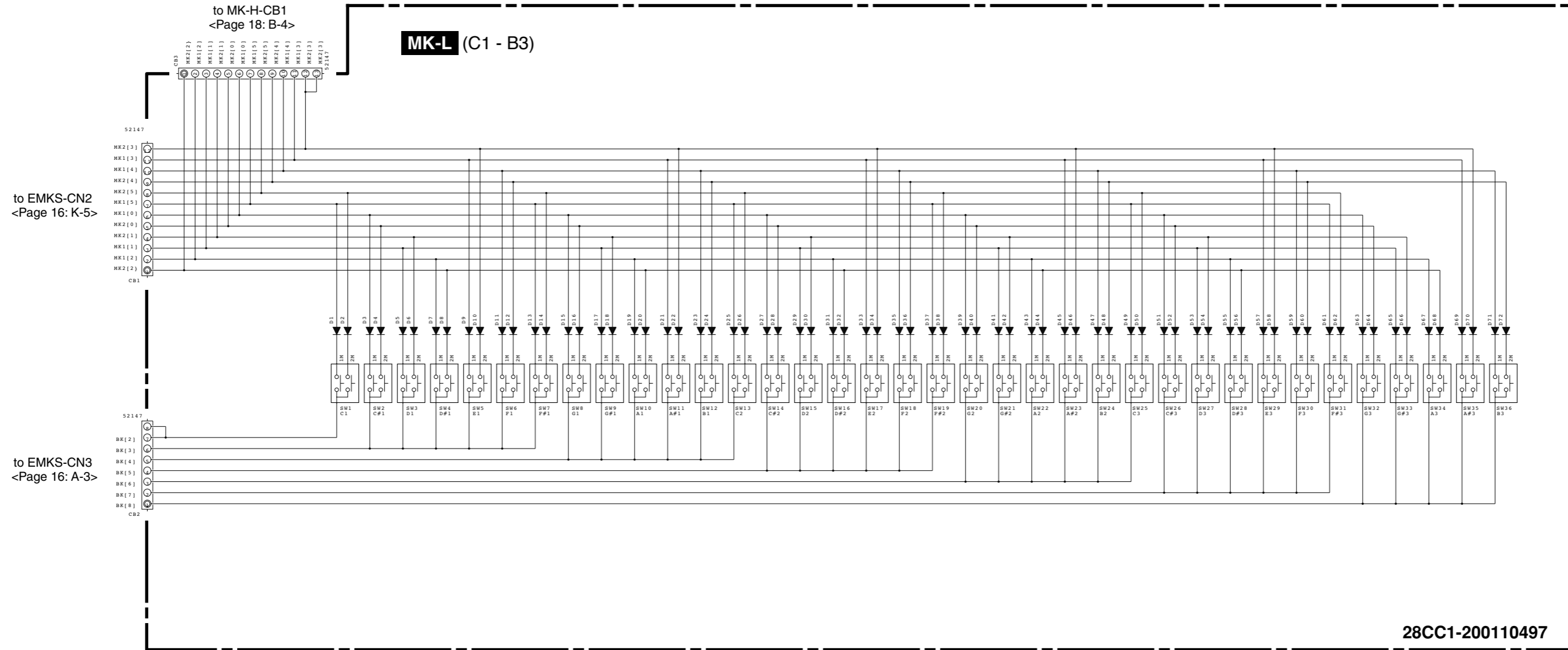
to MK-H-CB2
<Page 18: B-6>

28CC1-2001183454

EMKS CIRCUIT DIAGRAM

■ MK-L CIRCUIT DIAGRAM

PSR-SX700/PSR-SX900



28CC1-200110497

A B C D E F G H I J K L

MK-H CIRCUIT DIAGRAM

PSR-SX700/PSR-SX900

MK-H (C4 - C6)

The diagram illustrates the internal wiring of the MK-H component (C4 - C6). It features two terminal blocks, CB1 and CB2, and a series of 25 switches (SW1 through SW25). Each switch is connected to a specific terminal block pin and a common terminal block pin. The switches are labeled with their respective terminal block pins and common terminal block pins.

Terminal Block CB1 (Left):

- 52147
- MK2[3]
- MK1[3]
- MK1[4]
- MK2[4]
- MK2[5]
- MK1[5]
- MK1[0]
- MK2[0]
- MK2[1]
- MK1[1]
- MK1[2]
- MK2[2]
- CB1

Terminal Block CB2 (Right):

- CB2
- BK[8]
- BK[9]
- BK[10]
- BK[11]
- BK[12]
- 52147

Switches (SW1 through SW25):

- SW1: C4
- SW2: C#4
- SW3: D4
- SW4: D#4
- SW5: E4
- SW6: F4
- SW7: F#4
- SW8: G4
- SW9: G#4
- SW10: A4
- SW11: A#4
- SW12: B4
- SW13: C5
- SW14: C#5
- SW15: D5
- SW16: D#5
- SW17: E5
- SW18: F5
- SW19: F#5
- SW20: G5
- SW21: G#5
- SW22: A5
- SW23: A#5
- SW24: B5
- SW25: C6

Connections:

- SW1: CB1 MK2[3] to CB2 BK[8]
- SW2: CB1 MK1[3] to CB2 BK[9]
- SW3: CB1 MK1[4] to CB2 BK[10]
- SW4: CB1 MK2[4] to CB2 BK[11]
- SW5: CB1 MK2[5] to CB2 BK[12]
- SW6: CB1 MK1[5] to CB2 BK[8]
- SW7: CB1 MK1[0] to CB2 BK[9]
- SW8: CB1 MK2[0] to CB2 BK[10]
- SW9: CB1 MK2[1] to CB2 BK[11]
- SW10: CB1 MK1[1] to CB2 BK[12]
- SW11: CB1 MK1[2] to CB2 BK[8]
- SW12: CB1 MK2[2] to CB2 BK[9]
- SW13: CB1 MK2[3] to CB2 BK[10]
- SW14: CB1 MK1[3] to CB2 BK[11]
- SW15: CB1 MK1[4] to CB2 BK[12]
- SW16: CB1 MK2[4] to CB2 BK[8]
- SW17: CB1 MK2[5] to CB2 BK[9]
- SW18: CB1 MK1[5] to CB2 BK[10]
- SW19: CB1 MK1[0] to CB2 BK[11]
- SW20: CB1 MK2[0] to CB2 BK[12]
- SW21: CB1 MK2[1] to CB2 BK[8]
- SW22: CB1 MK1[1] to CB2 BK[9]
- SW23: CB1 MK1[2] to CB2 BK[10]
- SW24: CB1 MK2[2] to CB2 BK[11]
- SW25: CB1 MK2[3] to CB2 BK[12]

28CC1-2001180498

MK-H CIRCUIT DIAGRAM

— 18 —