

PSR-E373/YPT-370

SERVICE MANUAL



PSR-E373



YPT-370

■ CONTENTS

SPECIFICATIONS.....	3
PANEL LAYOUT.....	5
CIRCUIT BOARD LAYOUT & WIRING.....	7
BLOCK DIAGRAM.....	8
DISASSEMBLY PROCEDURE.....	9
CIRCUIT BOARDS.....	16
DMLCD Circuit Board Check Method.....	22
TEST PROGRAM.....	23
BACKUP.....	30
INITIALIZATION.....	31
SYSTEM BOOTING FLOW CHART.....	32
PARTS LIST	
OVERALL 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



Saving and backing up your data

Some data items are automatically saved as backup data in the internal memory even if you turn the power off. Saved data may be lost due to malfunction or incorrect operation. Save important data to external device such as a computer.

Be sure to perform it

SPECIFICATIONS

Product Name		Digital Keyboard	
Size/Weight	Dimensions (W x D x H)		945 mm x 369 mm x 118 mm (37-3/16" x 14-1/2" x 4-5/8")
	Weight		4.6 kg (10 lb 2 oz) (not including batteries)
Control Interface	Keyboard	Number of Keys	61
		Touch Response	Soft, Medium, Hard, Fixed
	Display	Type	LCD
		Backlight	Yes
	Panel	Language	English
Voices	Tone Generation	Tone Generation Technology	AWM Stereo Sampling
	Polyphony (max.)		48
	Preset	Number of Voices	622 (241 Panel Voices + 22 Drum/SFX kits + 20 Arpeggio + 339 XGLite Voices)
	Compatibility		GM/XGLite
	Effects	Types	DSP
Reverb			12 types
Chorus			5 types
Master EQ			6 types
Functions		Dual	Yes
		Split	Yes
		Sustain	Yes
		Harmony	26 types
		Arpeggio	150 types
		Melody Suppressor	Yes
Articulation		Yes (11 Super Articulation Lite Voices)	
Accompaniment Styles	Preset	Number of Styles	205
		Fingering	Smart Chord, Multi finger
		Style Control	ACMP ON/OFF, SYNC START, START/STOP, INTRO/ENDING/rit., MAIN/AUTO FILL
	External Styles		10
	Other Features	Music Database	170
		One Touch Setting (OTS)	Yes
Compatibility		Style File Format (SFF)	
Songs (MIDI)	Preset	Number of Preset Songs	154 (including Touch Tutor: 10, Chord Study: 12, Chord Progression: 30)
	Recording	Number of Songs	5
		Number of Tracks	2
		Data Capacity	Approx. 10,000 notes
	Format	Playback	SMF Formats 0 & 1
Recording		Original File Format	
Functions	Lesson		KEYS TO SUCCESS, Lesson 1-3 (Listening, Timing, Waiting), Phrase Repeat, A-B Repeat, Chord Dictionary, Touch Tutor, Chord Study, Chord Progression
	USB Audio (USB TO HOST)		44.1 kHz, 16 bit, stereo
	Registration Memory	Number of Buttons	9
	Overall Controls	Metronome	Yes
		Tempo Range	11-280
		Transpose	-12 to 0, 0 to +12
		Tuning	427.0-440.0-453.0 Hz (approx. 0.2 Hz increments)
	Miscellaneous	Duo	Yes
PIANO Button		Yes (Portable Grand Button)	
Storage and Connectivity	Storage	Internal Memory	Approx. 1.4 MB
	Connectivity	DC IN	12 V
		Headphones/Output	Standard stereo phone jack (PHONES/OUTPUT)
		Sustain Pedal	Yes
		AUX IN	Yes (Stereo mini jack)
USB TO HOST	Yes		
Sound System	Amplifiers	2.5 W + 2.5 W	
	Speakers	12 cm x 2	

Power Supply	Power Supply	AC Adaptor	Users within U.S or Europe: PA-130 or an equivalent recommended by Yamaha Others: PA-3C,PA-130 or an equivalent recommended by Yamaha
		Batteries	Six 1.5 V "AA" size alkaline (LR6), manganese (R6) or six 1.2 V "AA" size Ni-MH rechargeable batteries (HR6)
	Power Consumption		5 W (When using PA-130 AC adaptor)
	Auto Power Off		Yes (Time can be set)
Included Accessories			<ul style="list-style-type: none"> • Music rest • Owner's Manual • AC adaptor *1 (PA-130 or an equivalent recommended by Yamaha) • Online Member Product Registration *1: May not be included depending on your particular area. Please check with your Yamaha dealer.
Separately Sold Accessories (May not be available depending on your area.)			<ul style="list-style-type: none"> • AC adaptor: Users within U.S or Europe: PA-130 or an equivalent recommended by Yamaha Others: PA-3C, PA-130 or an equivalent recommended by Yamaha • Keyboard stand: L-2C • Headphones: HPH-50/HPH-100/HPH-150 • Footswitch: FC4A/FC5

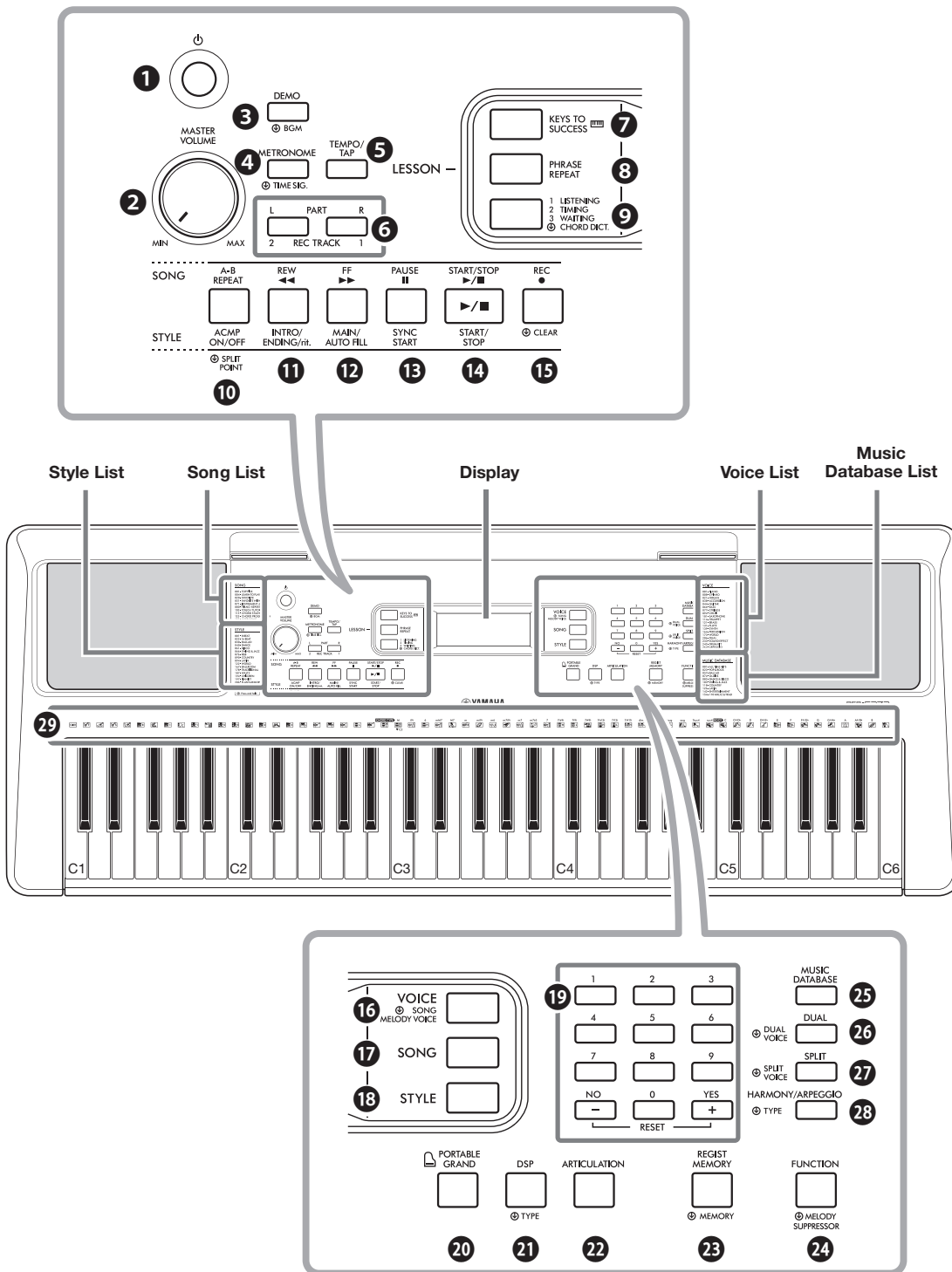
* The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website then download the manual file. Since specifications, equipment or separately sold accessories may not be the same in every locale, please check with your Yamaha dealer.

PANEL LAYOUT

Front Panel

NOTE

• The illustrations and displays as shown in this manual are based on the PSR-E373.



- ❶ [⏻] (Standby/On) switch
- ❷ [MASTER VOLUME] dial
- ❸ [DEMO] button
- ❹ [METRONOME] button
- ❺ [TEMPO/TAP] button

In the Lesson mode

- ❻ PART
- [L] button
- [R] button

In the Recording mode

- ❼ [REC TRACK 2] button
- [REC TRACK 1] button

- ❼ [KEYS TO SUCCESS] button
- ❽ [PHRASE REPEAT] button
- ❾ [1 LISTENING 2 TIMING 3 WAITING] button

In the Song mode

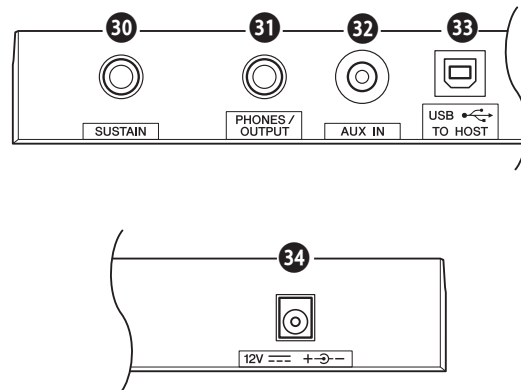
- ❿ [A-B REPEAT] button
- ⓫ [REW] button
- ⓬ [FF] button
- ⓭ [PAUSE] button

In the Style mode

- ⓫ [ACMP ON/OFF] button
 - ⓬ [INTRO/ENDING/rit.] button
 - ⓭ [MAIN/AUTO FILL] button
 - ⓮ [SYNC START] button
-
- ⓯ [START/STOP] button
 - ⓰ [REC] button
 - ⓱ [VOICE] button
 - ⓲ [SONG] button
 - ⓳ [STYLE] button
 - ⓴ Number buttons [0]–[9], [+ / YES], [- / NO]
 - ⓵ [PORTABLE GRAND] button
 - ⓶ [DSP] button
 - ⓷ [ARTICULATION] button
 - ⓸ [REGIST MEMORY] button
 - ⓹ [FUNCTION] button
 - ⓺ [MUSIC DATABASE] button
 - ⓻ [DUAL] button
 - ⓼ [SPLIT] button
 - ⓽ [HARMONY/ARPEGGIO] button
 - ⓾ Drum illustrations for the Drum Kit

Each of these indicates the drum or percussion instrument assigned to the corresponding key for “Standard Kit 1.”

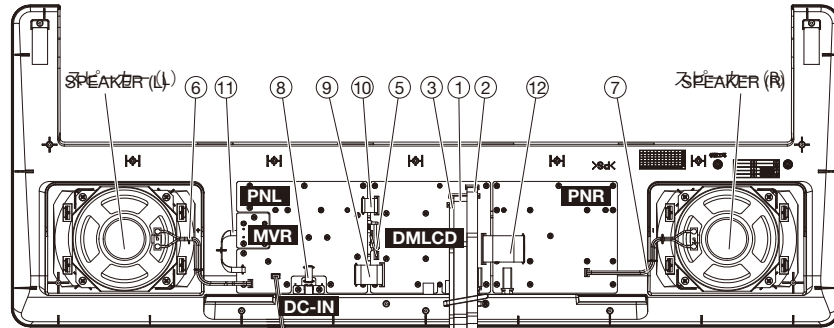
Rear Panel



- ❶ [SUSTAIN] jack
- ❷ [PHONES/OUTPUT] jack
- ❸ [AUX IN] jack
- ❹ [USB TO HOST] terminal*
- ❺ DC IN jack

CIRCUIT BOARD LAYOUT & WIRING

● UPPER CASE ASSEMBLY



● LOWER CASE ASSEMBLY

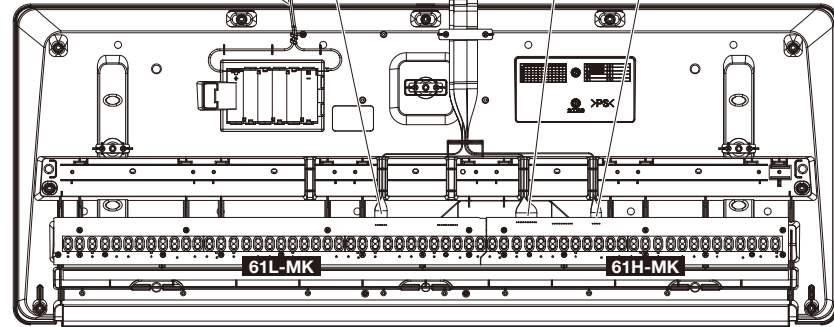


Table 表 Wiring Assemblies list

No.	Unit Name	Location	Part No.	Connector Assembly	Destination				Remarks	
①	LOWER CASE ASSEMBLY	210	(ZW81300) or (ZZ73990)	MK11	61H-MK - CN01	*1	*4	DMLCD - CN503	*1 *4	12P L=550
②		220	(ZW81310) or (ZZ74000)	MK12	61H-MK - CN02	*1	*4	DMLCD - CN502	*1 *4	5P L=620
③		230	(ZW81320) or (ZZ74010)	MK13	61L-MK - CN05	*1	*4	DMLCD - CN501	*1 *4	7P L=550
④	UPPER CASE ASSEMBLY	250	(VDM2390)	BATT	BATTERY TERMINAL (+/-)	*2	*5	PNL - CN103	*1 *9	3P L=240
⑤		350	(WE14140)	BL	BACKLIGHT ASSEMBLY	*2	*6	DMLCD - CN303	*1 *4	2P L=70
⑥		500	(ZW81430)	SP1	SPEAKER	*2	*7	PNL - CN107	*1 *4	2P L=165
⑦		500	(ZW81430)	SP1	SPEAKER	*2	*7	PNR - CN202	*1 *4	2P L=165
⑧		WH010	(ZA17370)			*3	*8	DC-IN(PNL) - CN102	*3 *8	4P L=50
⑨	PNR and PNR CIRCUIT BOARD	WH020	(ZA18500)		PNL - CN104	*3	*8	DMLCD - CN801	*1 *4	11P L=75
⑩		WH030	(ZA18010)		PNL - CN106	*3	*8	DMLCD - CN301	*1 *4	8P L=50
⑪		WH040	(ZA17230)			*3	*8	MVR(PNL) - CN301	*3 *8	3P L=100
⑫		WH050	(ZW76710)			*3	*8	DMLCD - CN302	*1 *4	15P L=100

接続方法 Connection Method

- *1: 固定 (Fixation)
- *2: 半田付け (Soldering)
- *3: 半田剥離 (Desoldering)

接続方向 Connection Direction

- *4: Edge mark 位置調整側 (Pin 1 mark (Δ mark)).
- *5: 赤色線材が (+) 端子に、黒色線材が (-) 端子に接続される。 (Black wire is connected to (+) terminal.)
- *6: 赤色線材が (+) 端子に、黒色線材が (-) 端子に接続される。 (Black wire is connected to (-) terminal.)
- *7: 赤色線材が (+) 端子に、黒色線材が (-) 端子に接続される。 (Black wire is connected to (-) terminal.)
- *8: 接続済 (Connected)
- *9: 赤色線材が (+) 端子に接続される。 (Black wire is connected to (+) terminal.)

* 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

Caution:

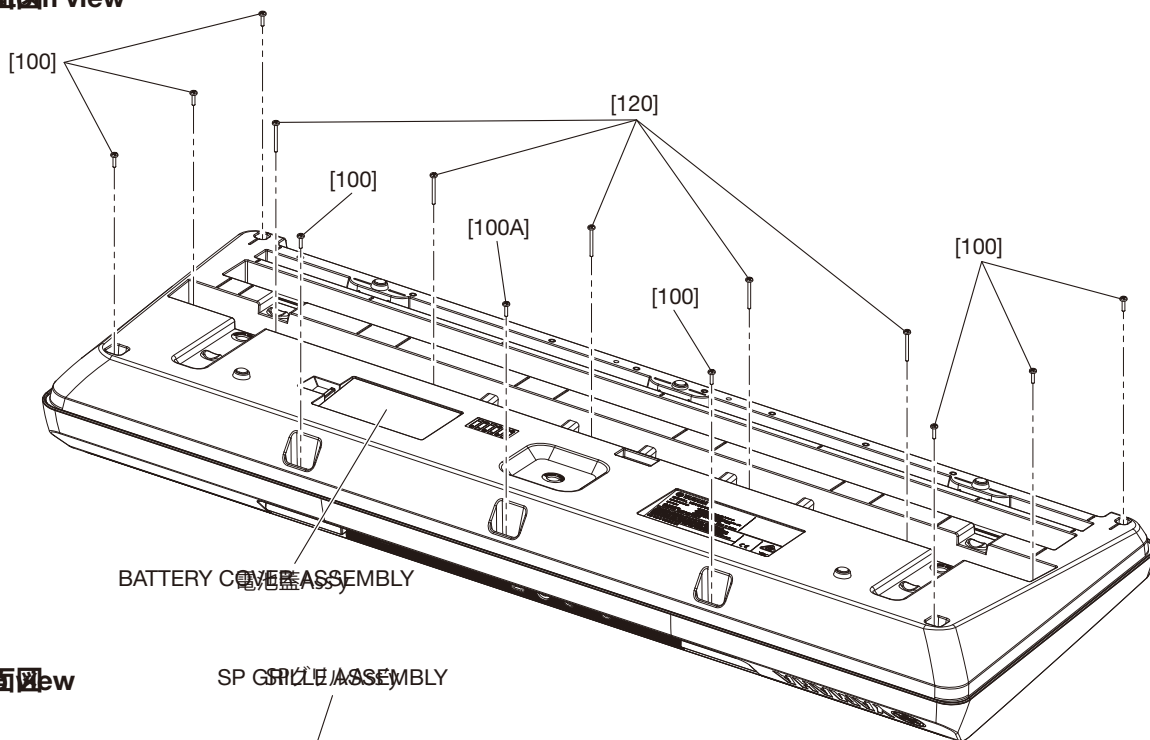
- Be sure to attach the removed filament tape just as it was before removal.

1. Lower Case Assembly (Time required: About 3 minutes)

1. Remove the 5 screws marked [120] and the 9 screws marked [100]. The lower case assembly can then be removed. (Fig.1)

* When installing the lower case assembly, first tighten the screw marked [100A] and then the remaining screws. (Fig.1)

● Bottom view



● Top view

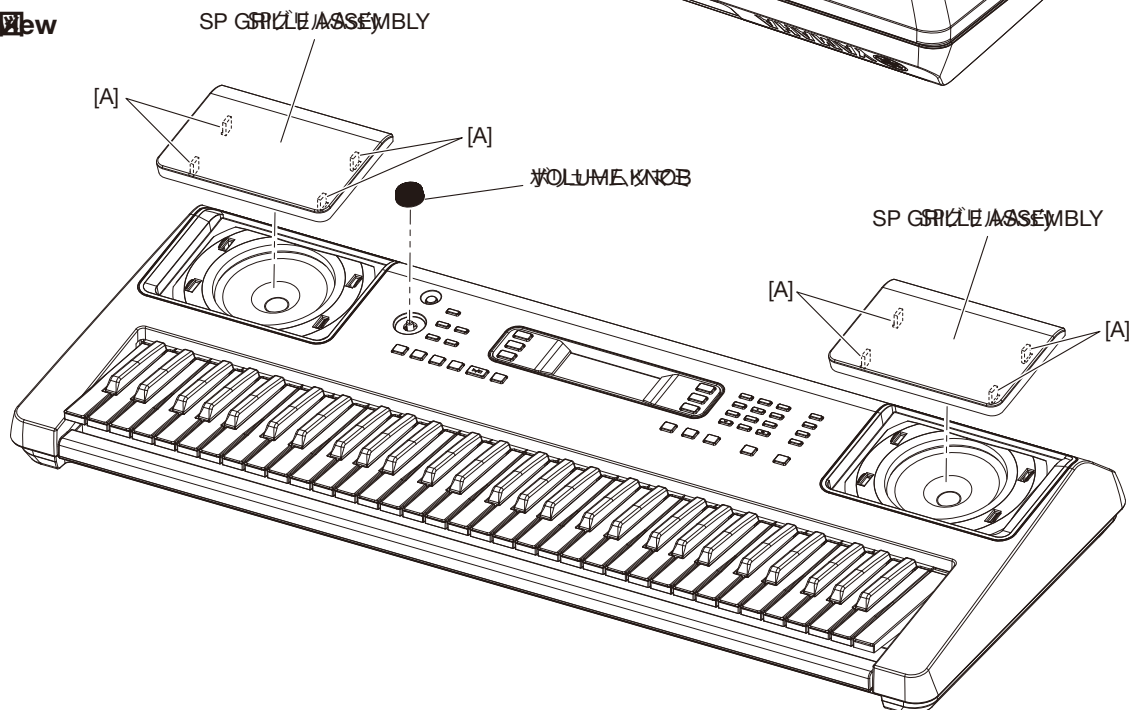


Fig.1

2. DMLCD Circuit Board (Time required: About 6 minutes)

1. Remove the lower case assembly. (See procedure 1)
 2. Remove the 12 screws [380A]. The DMLCD circuit board can then be removed. (Fig.2)
- * *When installing the DMLCD circuit board, tighten the screws 1 through 2 in numerical order. (Fig.2)*
- * *After replacing the DMLCD circuit board, execute "Factory Reset" in the Test program.*

● 背面図 (Back view)

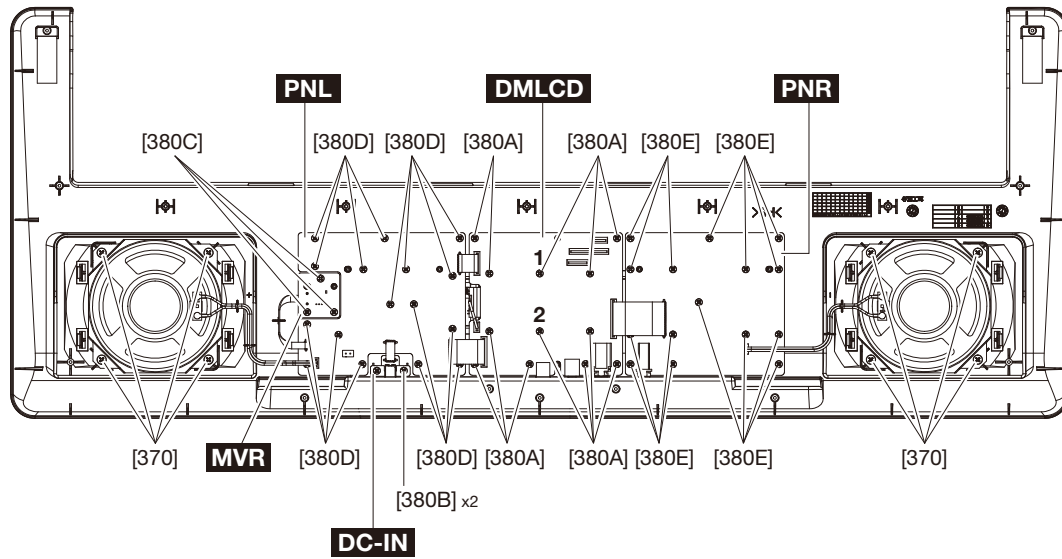


Fig.2

3. LCD (Time required: About 7 minutes)

1. Remove the lower case assembly. (See procedure 1)
 2. Remove the DMLCD circuit board. (See procedure 2)
 3. Remove the back light assembly. (Fig.3)
 4. Remove the rubber connector. (Fig.3)
 5. Remove the LCD display. (Fig.3)
- * *Avoid touching the conductive part of the rubber connector as much as possible. Should foreign matter or dirt adhere, remove such contamination using adhesive tape or the like. Do not wipe off using solvents such as benzene or alcohol. (Fig.3)*

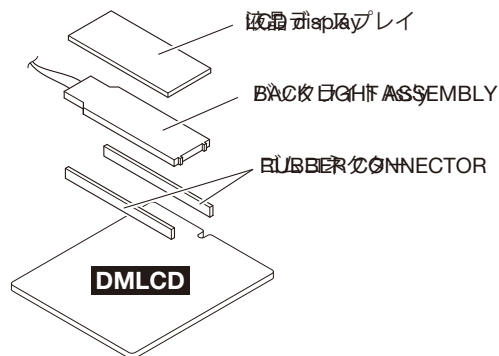


Fig.3

4. PNR Circuit Board, PNL Circuit Board, MVR Circuit Board, DC-IN Circuit Board

1. Remove the lower case assembly. (See procedure 1)
- PNL, MVR Circuit Board (Time required: About 8 minutes)
 1. Remove the 2 screws [380B]. The DC-IN circuit board can then be removed. (Fig.2)
 2. Remove 3 screws [380C]. The MVR circuit board can then be removed. (Fig.2)
 3. Remove the knob from the control panel surface. (Fig.1, Fig.4)
 4. Remove the 16 screws marked [380D]. The PNL circuit board can then be removed. (Fig.2)
- PNR Circuit Board (Time required: About 6 minutes)
 1. Remove 15 screws [380E]. The PNR circuit board can then be removed. (Fig.2)

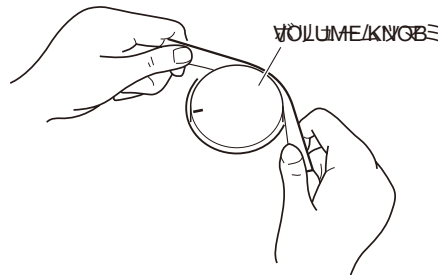


Fig.4

5. Speaker (Time required: About 4 minutes each)

1. Remove the lower case assembly. (See procedure 1)
 2. Remove the 4 screws marked [370]. The speaker can then be removed. (Fig.2)
- * *Remove the right and left speakers in the same way.*

6. Speaker Grille (Time required: About 4 minutes each)

1. Remove the lower case assembly. (See procedure 1)
2. Release the 4 claws marked [A] of the SP grille. The SP grille can then be removed. (Fig.1)

* *The right and left SP grilles can be removed in the same manner.*

* *SP grilles can be changed without removing the lower case assembly.*

Tear the saran net. Release the 4 claws marked [A] of the SP grille by pushing them with the slotted screwdriver to inward. Remove the SP grille. (Fig.5)

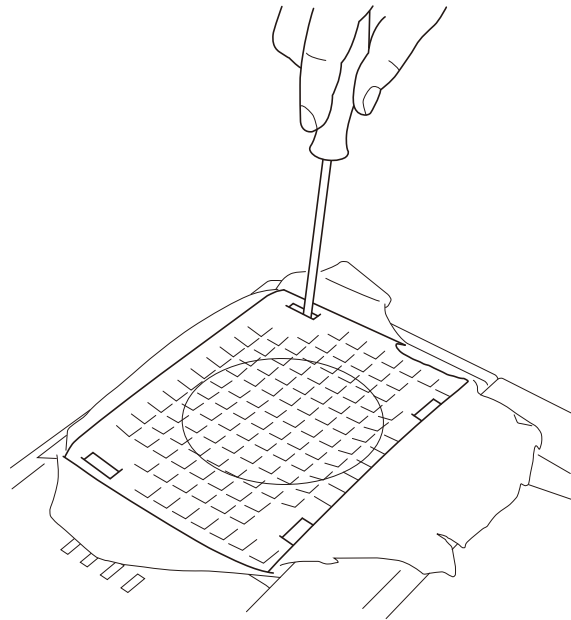


Fig.5

7. Disassembling the keyboard (time required: About 13 minutes)

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

- White keys and black keys

1. The white and black keys are grouped in single octave sets starting from the left side and consist of a total of five sets. Only the C6 white key, unlike the other keys, is not included in a set. (Fig.6)
2. To remove a set, remove the 2 each screws marked [120A]. The white and black keys in the set can then be removed. (Fig.6)
When removing, unfasten the 2 hooks at the back of the black keys upward, and lift the white and black keys while pulling them toward you a little. (Photo 1)
3. To remove the white key C6, remove the screw marked [120B], unhook as described in previous procedure, and pull out toward you. (Fig.6)

* *To reassemble after all white and black keys have been removed, first, mount by aligning the C3 to B3 white and black keys with the boss, and then mount the remaining white and black keys. (Fig.6)*

- Rubber contacts

1. Remove the white and black keys corresponding to the rubber contacts to be removed. (See Fig.6 and "●White keys and black keys" in procedure 7)
2. Remove the respective rubber contacts. (Fig.6)

- 上面圖解

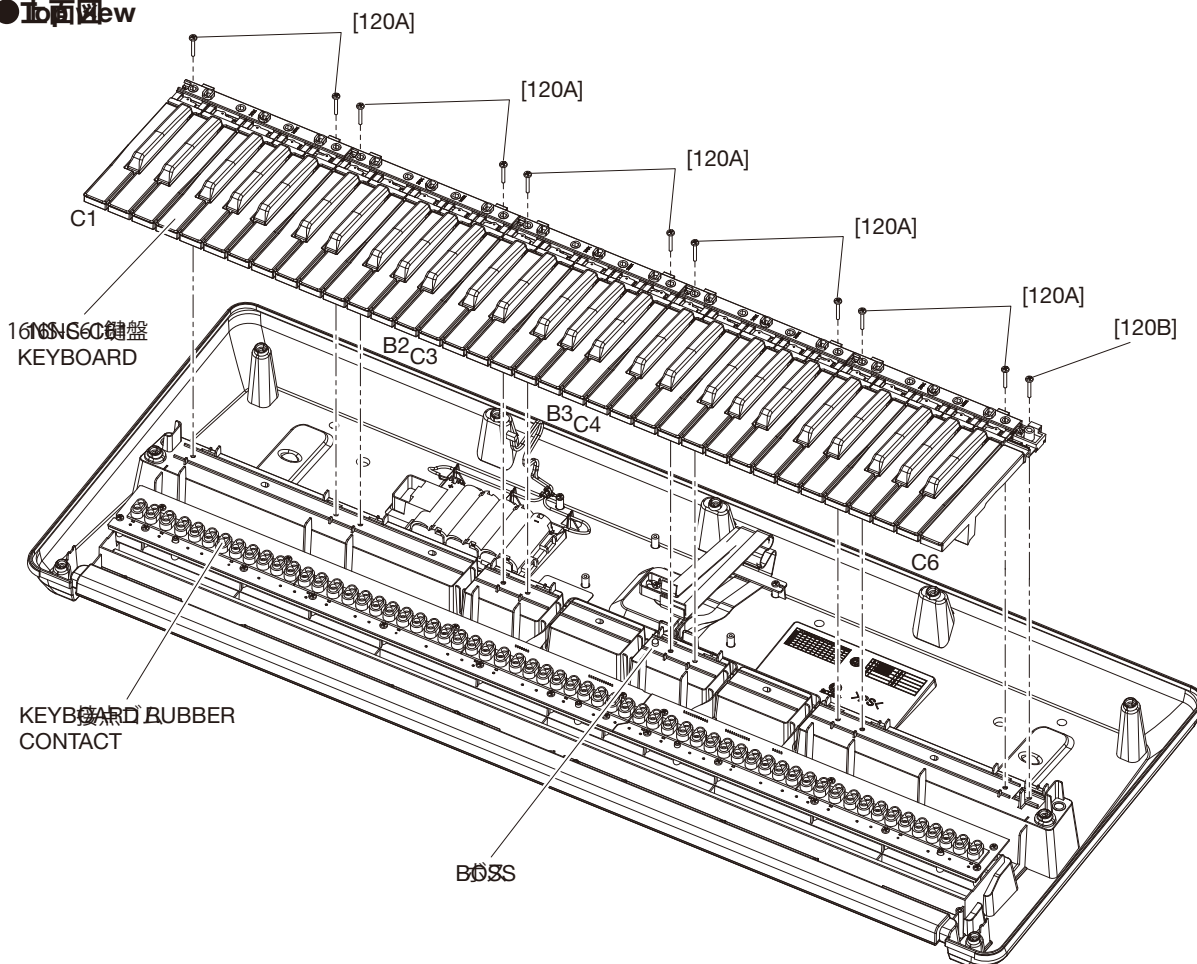


Fig.6

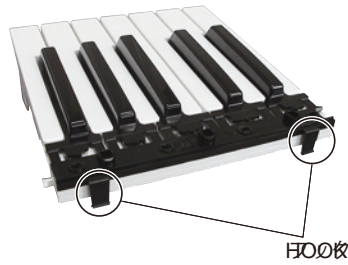


Photo1

● Circuit Board 61L-MK

1. Remove the C1 to B3 white and black keys. (See Fig.6 and "●White keys and black keys" in procedure 7)
2. Remove the 4 screws marked [100C] and 8 screws marked [100A]. The circuit board 61L-MK can then be removed. (Fig.7)

* *When installing the circuit board 61L-MK, tighten the screws from No. 1 to 12 in the numerical order as shown in the figure "61L-MK" in Fig.8. (Fig.8)*

● Circuit Board 61H-MK

1. Remove the C4 to C6 white and black keys. (See Fig.6 and "●White keys and black keys" in procedure 7)
2. Remove the 3 screws marked [100D] and 5 screws marked [100B]. The circuit board 61H-MK can then be removed. (Fig.7)

* *When installing the circuit board 61H-MK, tighten the screws from No. 1 to 8 in the numerical order as shown in the figure "61H-MK" in Fig.8. (Fig.8)*

● 上面図

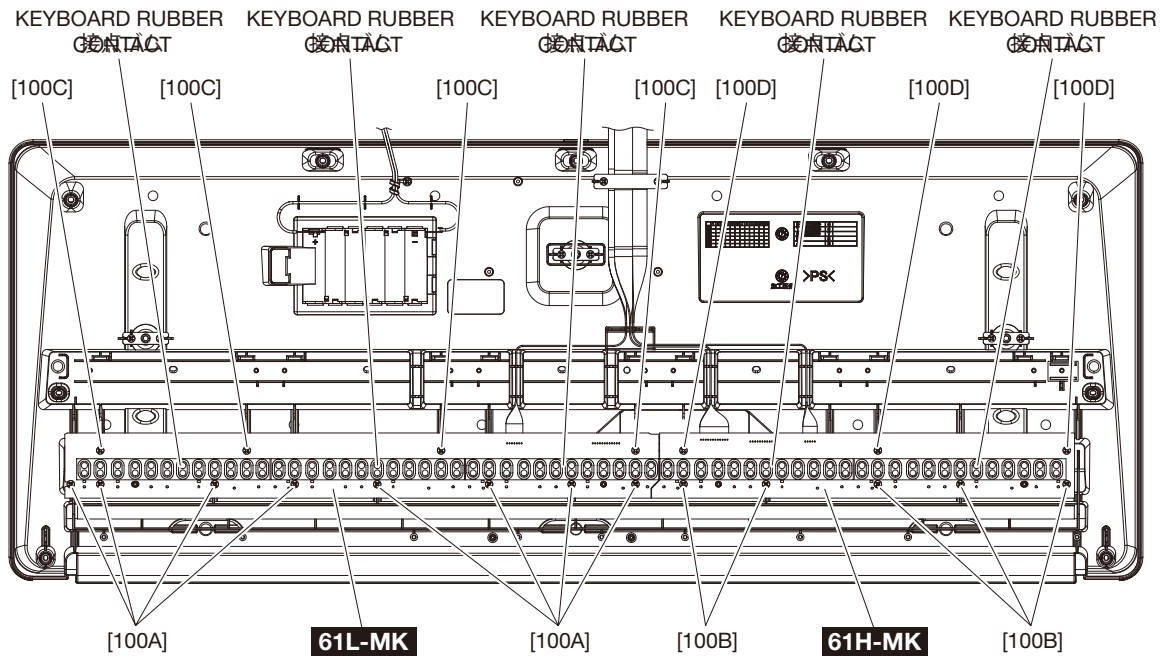


Fig.7

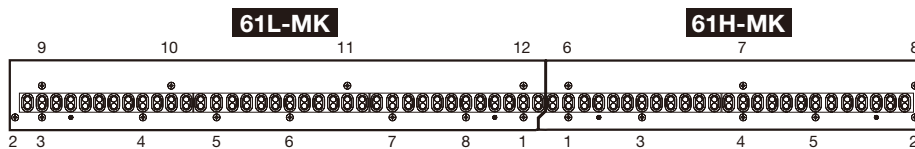


Fig.8

8. Removing the Spring Terminals

- Spring terminal A and spring terminal B (Time required: About 8 minutes)
 1. Remove the lower case assembly. (See procedure 1)
 2. Remove the BATT ribbon cable soldered to spring terminals A and B. (Fig.9)
 3. Flip over the lower case assembly, and remove the battery cover assembly. (Fig.1)
 4. Spring terminal A is removed by slowly lifting upward and then sliding to the top right. (Fig.9)
 5. To remove spring terminal B, release the hook, and pull it out from the inside. (Fig.9)
- Spring terminal C and spring terminal D (Time required: About 1 minute each)
 1. Remove the battery cover assembly. (See "●Spring terminal A and spring terminal B" in procedure 8)
 2. Release the hooks, and pull out spring terminals C and D. (Fig.9)

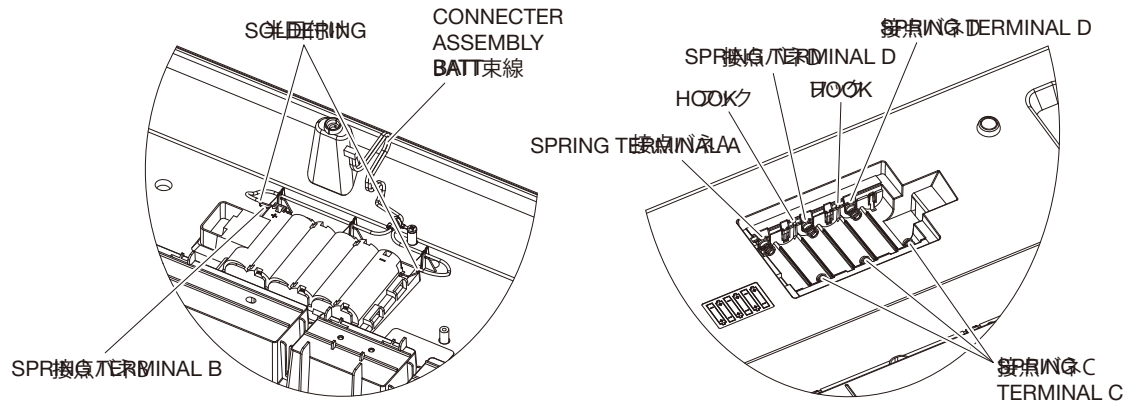


Fig.9

■ CIRCUIT BOARDS

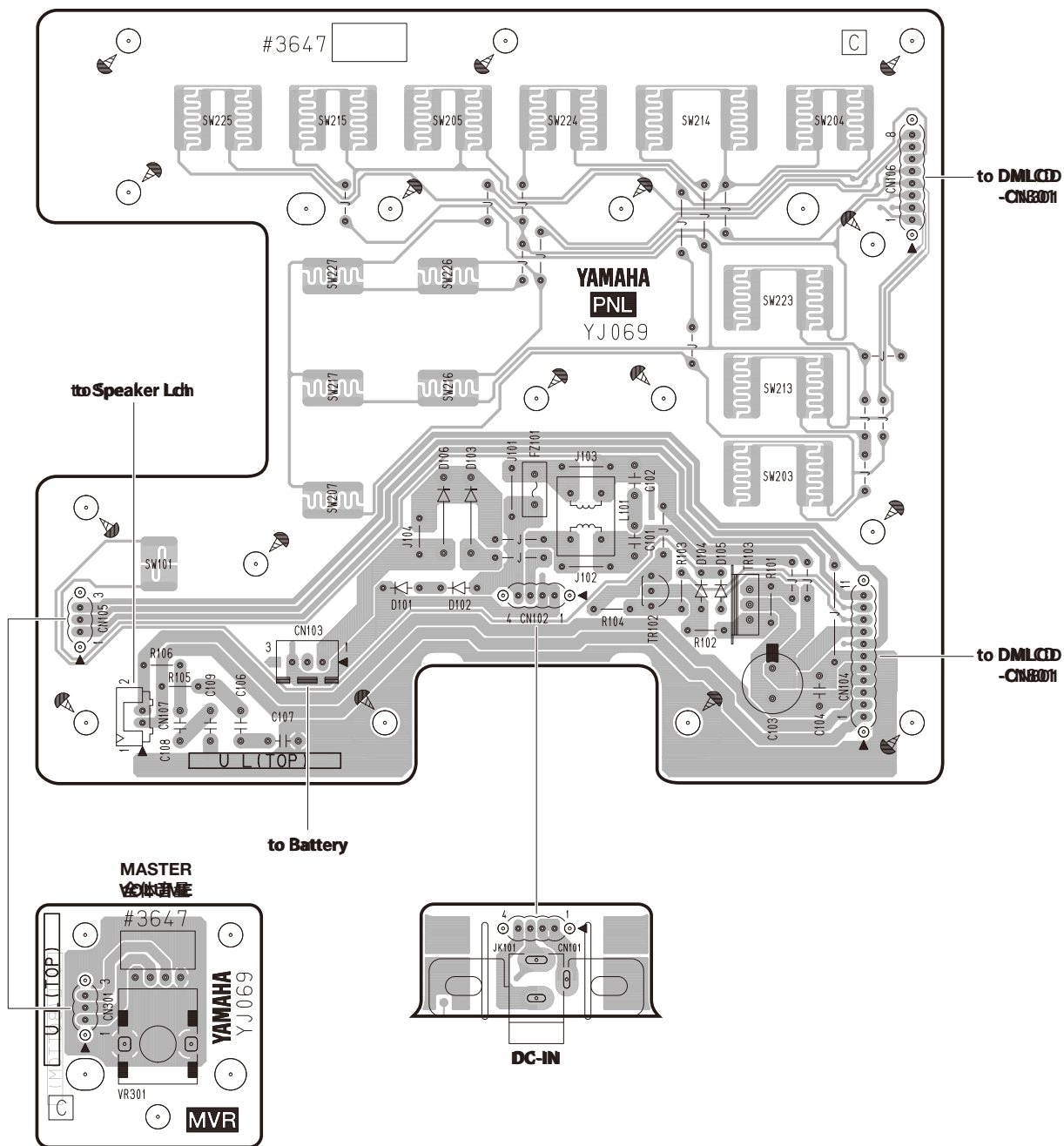
CONTENTS


PNL with MVR/DC-IN Circuit Board (YJ069C0).....	17
DMLCD Circuit Board (YK716D0).....	18
PNR Circuit Board (YJ069C0).....	20
61H-MK Circuit Board (X2335D0).....	21
61L-MK Circuit Board (X2336C0).....	21

Note:

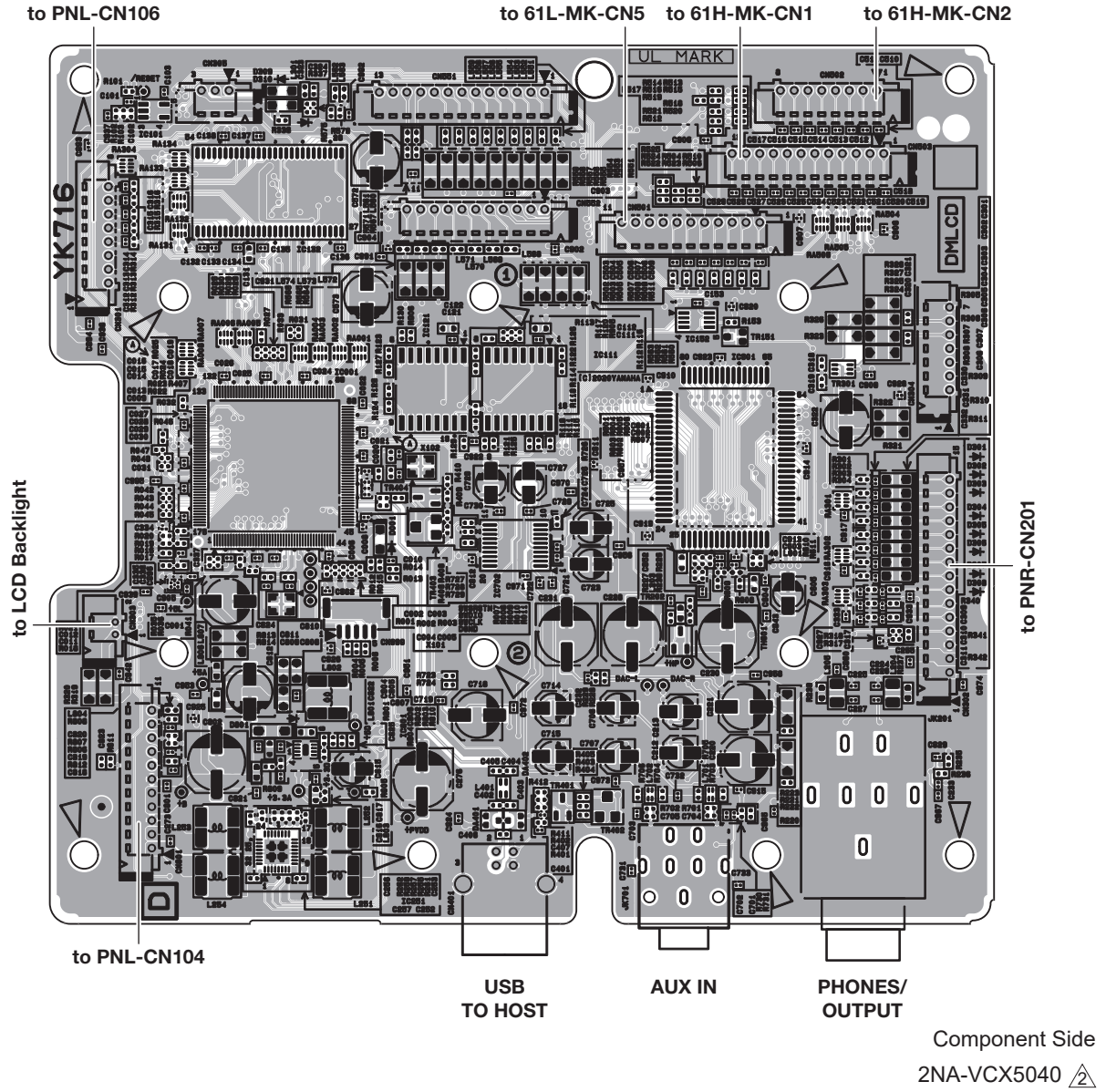
- For details on the circuit board parts, see the Parts List.

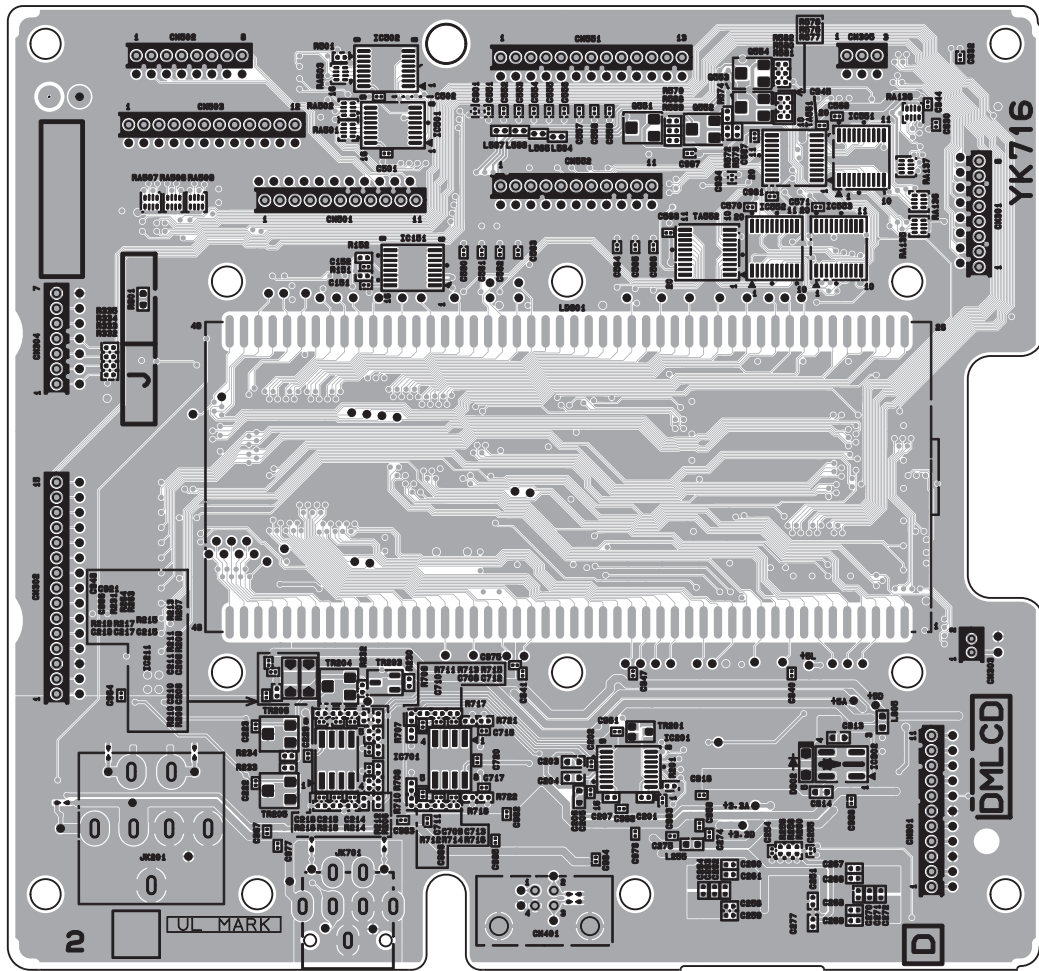
● PNL with MVR/DC-IN Circuit Board (YJ069C0)




Component Side
2NA-ZV85630 

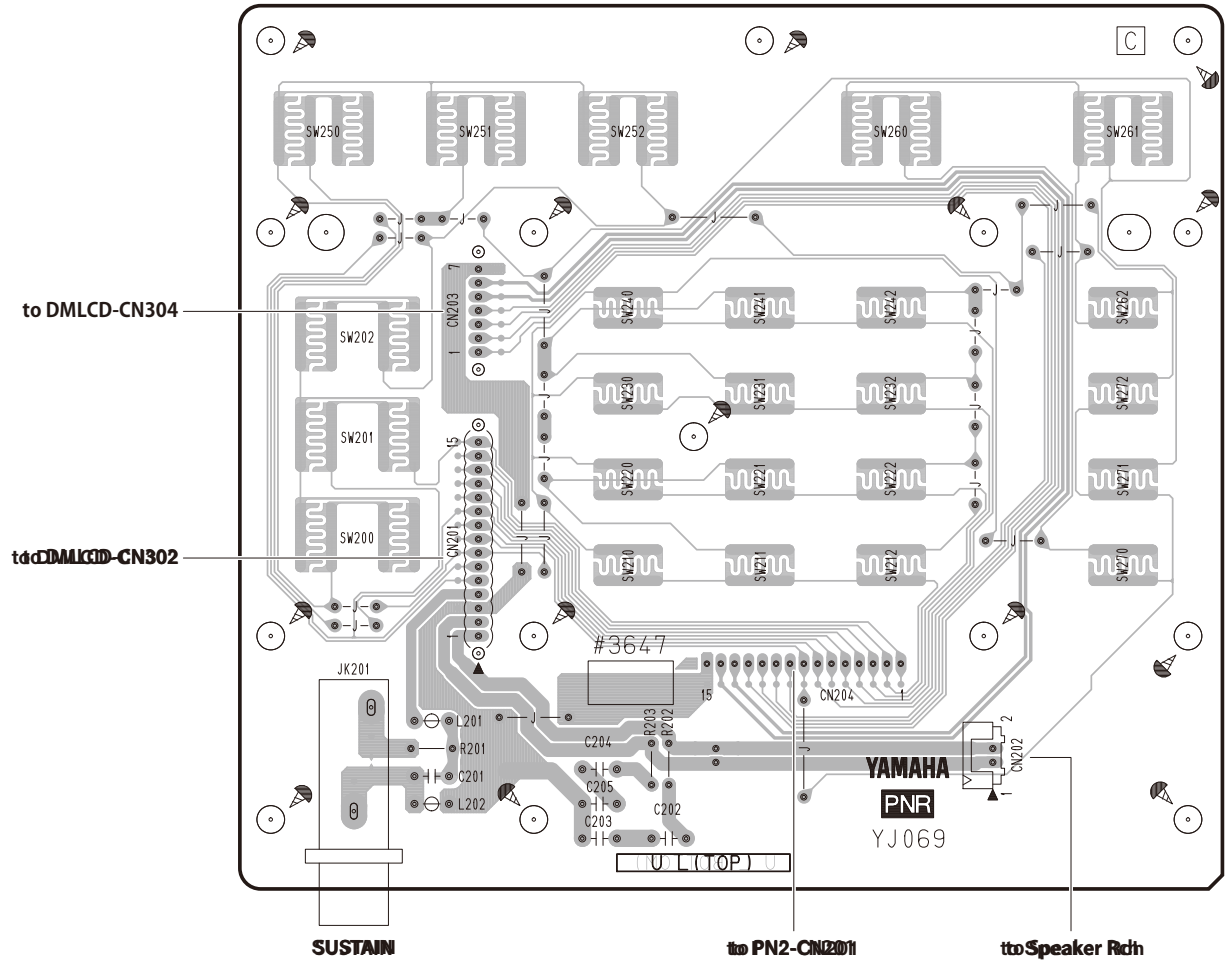
● DMLCD Circuit Board (YK716D0)






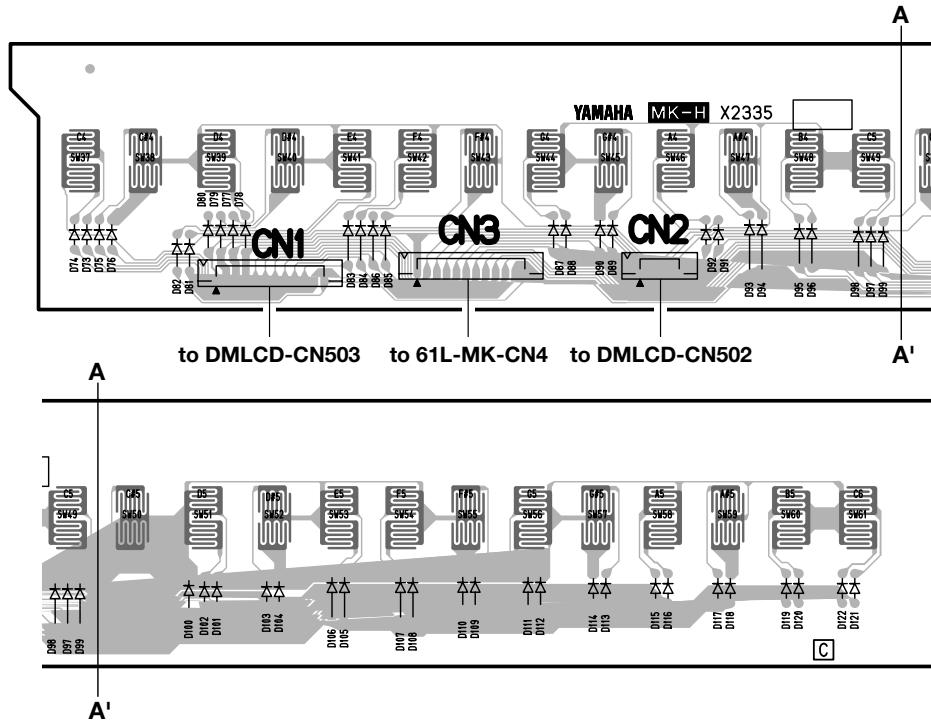
Pattern Side
2NA-VCX5040 

● PNR Circuit Board (YJ069C0)



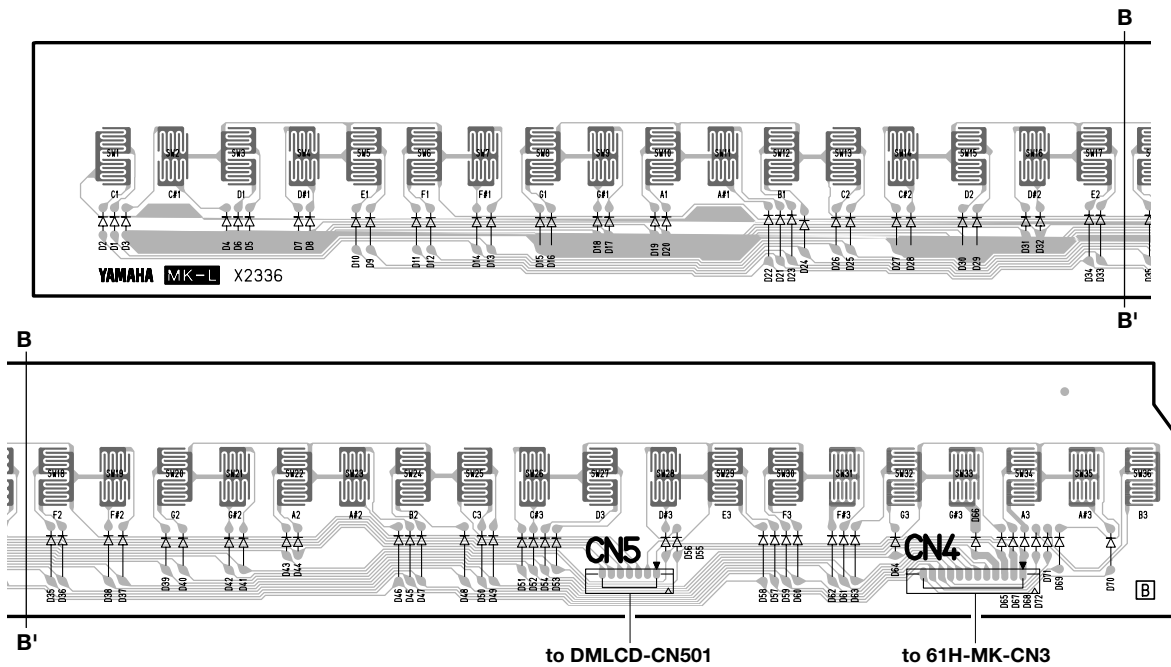
Component Side
2NA-ZV85630 

● 61H-MK Circuit Board (X2335D0)



Component Side
2NAKB-V869540

● 61L-MK Circuit Board (X2336C0)



Component Side
2NAKB-V869520

DMLCD Circuit Board Check Method

The DMLCD Circuit Board has the test points for repair check purposes.

Check the test points on the DMLCD Circuit Board when the following problems happen.

Problems and Test points

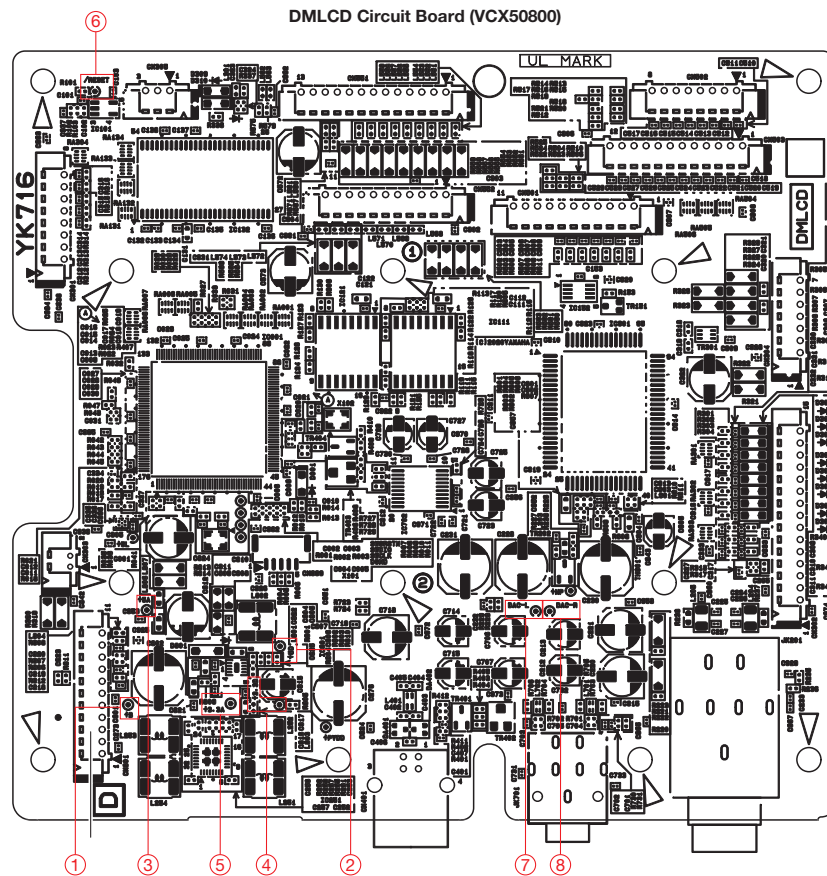
- No display although turning on the power ⇒ Check the test points from No.1 to 6 sequentially.
- No sound or distorted sound --> Check the test points No.3, 5, 7 and 8.

Table Point List

NO.	Test Point	Circuit	Judgment criteria	Measured by	Parts with possible defects
①	+B	Power supply voltage	More than 11.0V	Multimeter	TR103 or FZ101 (On PNL Circuit Board)
②	+5D	5V power for digital circuit	5.0V±0.5V	Multimeter	IC801
③	+5A	5V power for analog circuit	5.0V±0.5V	Multimeter	IC801
④	+3.3D	3.3V power for digital circuit	3.3V±0.3V	Multimeter	IC802
⑤	+3.3A	3.3V power for analog circuit	3.3V±0.3V	Multimeter	IC802
⑥	/RESET	CPU & memory reset signal	3.3V±0.3V	Multimeter	IC101
⑦	DAC-L	DAC output L channel	There shall be audio output without distortion.	Signal Checker	IC201
⑧	DAC-R	DAC output R channel	There shall be audio output without distortion.	Signal Checker	IC201

Caution:

- Use the standard AC adaptor PA-130, PA-130B or PA-130U for check operation.



Component Side

■ TEST PROGRAM

Caution:

- The Test No.065 “Factory Reset” will delete all setup data (included the data that the customer has purchased). Be sure to save the important data to a computer via Musicsoft Downloader software, or tell this to the customer in advance.

1. Measurement conditions

1-1. Environment

Perform testing under following conditions.

- Ordinary temperature (5 to 40°C)
- Ordinary humidity (20 to 90 %)

If the test results deviate from the test standard range, however, re-test under such conditions as the ordinary temperature (5 to 40°C) and ordinary humidity (30 to 90 % of relative humidity).

1-2. Power supply

Use an AC adaptor: PA-130, PA-130B or PA-130U

1-3. Measuring instruments

- Frequency counter (capable of measuring to three or more decimal places) (for pitch measurement)
- Level meter (for output level measurement)
- Oscilloscope (for measuring popping noise)

* Use instruments with an input impedance of 1 MΩ or more.

1-4. Test jigs

- Foot switch (FC-4A or FC5) (for inspecting [SUSTAIN] jack)
- Oscillator (for input of sinusoidal waveform to [AUX IN] jack)
- Stereo mini-plug cable (for inspecting [AUX IN] jack)

1-5. Jack connection state

- [PHONES/OUTPUT] jack: Install a measuring instrument (L, R ch: 33 Ω load)
- [SUSTAIN] jack: Connect a Foot switch before turning the power ON

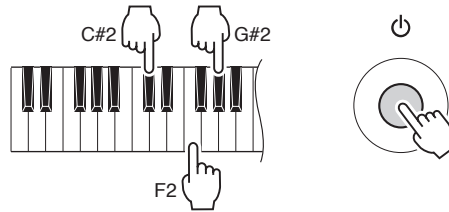
1-6. Instrument settings

- MASTER VOLUME: MAX
- Other settings: the initial setup at turning the power ON.

2. Test Mode

2-1. Starting Test mode

- 1) While holding down the [C#2], [F2] and [G#2] keys simultaneously, press the [⏻] (Standby/On) switch.



- 2) When Test mode is started, **"TEST"** is shown on the LCD screen.

2-2. Selection and execution of test items

- 1) Press the [+] or [-] buttons in the Number buttons area to select the test item.
- 2) Press the [START/STOP] button to start the test. Refer to the "Test Program Item List" regarding how to operate each test item.
- 3) Check the completed test.

Check that the cursor (▬) is displayed below the first character of the test item name. The " _ " is displayed for items where the test results were OK.

Exiting a test item

Perform the procedure below depending on whether **"OK"** or **"NG"** is displayed.

2-3. When the test result shows OK

Press the [START/STOP] or [DEMO] button to return to selection of the test items.

2-4. When the test result is FAIL

Press the [DEMO] button or the lowest key ([C1] white key) to return to the selection of test items.

* If the result was FAIL, pressing the [START/STOP] button does not return to the selection of the test items.

2-5. Test Program Item List

No.	Test Program Item	Procedure for "Selection and execution of test items"
001	ROM version	<p>This shows the ROM version.</p> <p>1) Press the number [1] button. The version number of the main program is displayed as shown below.</p> <p>*** Main (***: Version)</p>
004	RAM Check1	<p>Executes the simplified check of the RAM connected to the CPU bus.</p> <p>1) Check the test result.</p> <p>If no problem is found, "Ram OK" is shown on the LCD.</p> <p>If any problem is found, "Ram NG" is shown on the LCD.</p>
009	Pitch Check	<p>Checks whether the correct pitch is output from this instrument.</p> <p>1) Before pressing the [START/STOP] button, connect the Frequency Counter to the [PHONES/OUTPUT] jack on the rear panel. (Either L or R ch)</p> <p>2) Press the [START/STOP] button to produce the A3 sound.</p> <p>3) Check the Frequency counter indication.</p> <p>No problem: the indication is with in 441.00 ± 0.2 Hz.</p> <p>4) Press the [START/STOP] button to stop the A3 sound. The LCD screen returns to the test program selection display.</p>
011	Output level R Check	<p>Checks whether the stereo R sound is output from the [PHONES/OUTPUT] jack properly.</p> <p>1) Before pressing the [START/STOP] button, connect the level meter to the [PHONES/OUTPUT] jack on the rear panel. (Both L and R ch, 33 Ω load)</p> <p>2) Set the MASTER VOLUME to the maximum position.</p> <p>3) Press the [START/STOP] button to produce the 1kHz sinusoidal sound.</p> <p>4) Check the output levels of L and R ch indicated on the Level meter.</p> <p>No problem if the following conditions are satisfied.</p> <p>[PHONES/OUTPUT] (33 Ω load)</p> <ul style="list-style-type: none"> • R: -18.5 dBu \pm 2 dBu • L: -75.0 dBu or less <p>5) Press the [START/STOP] button to stop 1kHz sinusoidal sound. The LCD screen returns to the test program selection display.</p>
012	Output level L Check	<p>Checks whether the stereo L sound is output from the [PHONES/OUTPUT] jack properly.</p> <p>1) Before pressing the [START/STOP] button, connect the level meter to the [PHONES/OUTPUT] jack on the rear panel. (Both L and R ch, 33 Ω load)</p> <p>2) Set the MASTER VOLUME to the maximum position.</p> <p>3) Press the [START/STOP] button to produce the 1kHz sinusoidal sound.</p> <p>4) Check the output levels of L and R ch indicated on the Level meter.</p> <p>No problem if the following conditions are satisfied.</p> <p>[PHONES/OUTPUT] (33 Ω load)</p> <ul style="list-style-type: none"> • L: -18.5 dBu \pm 2 dBu • R: -75.0 dBu or less <p>5) Press the [START/STOP] button to stop 1kHz sinusoidal sound. The LCD screen returns to the test program selection display.</p>

No.	Test Program Item	Procedure for "Selection and execution of test items"
019	MUTE Check	<p>Confirms that the output MUTE function works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button. "MUTE Off" is shown on the LCD and the C5 sound is produced. Press the [+] or [-] button. "MUTE On" is shown on the LCD and the sound stops. 2) Press the [START/STOP] button to return to selection display of the test items. If a sound was being produced, the sound stops. <p>* This procedure can be performed to confirm that the MUTE function works properly.</p>
021	HP Insertion and Extraction Check	<p>Checks whether the PHONES jack works properly.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button. "HP In" is shown on the LCD. 2) Connect headphones to the [PHONES/OUTPUT] jack. "HP Out" is shown on the LCD. 3) Remove the headphones from the [PHONES/OUTPUT] jack. If there are no problems, "HP OK" is shown on the LCD.
022	AUX Check	<p>Checks whether the sound is input to the [AUX IN] jack properly.</p> <ol style="list-style-type: none"> 1) Check whether "AUX In" is shown on the LCD when no plug is plugged into the [AUX-IN] jack. 2) Connect an oscillator to the [AUX IN] jack. "AUX Out" is shown on the LCD when a stereo mini plug cable is plugged into the [AUX IN] jack properly. 3) Connect the level meter to the [PHONES/OUTPUT] jack on the rear panel. (Both L and R ch, 33 Ω load) 4) Input the sine wave (-6 dBu, 1 kHz) to the R ch of the [AUX IN] jack. 5) Check the output levels of L and R ch indicated on the Level meter. No problem if the following conditions are satisfied. [PHONES/OUTPUT] (33 Ω load) <ul style="list-style-type: none"> • R (input side): -4.8 dBu ± 2 dBu • L (nothing side): -70.0 dBu or less 6) For the L ch, make the same operations as in Steps 4 to 5. 7) Unplug the stereo mini cable from the [AUX IN] jack. If no problem is found, "AUX End" is shown on the LCD.
024	Switch Check	<p>Checks whether each panel button works properly.</p> <ol style="list-style-type: none"> 1) Check that the LCD shows you the should-be-pressed button. 2) Press the button specified on the LCD one by one. The sound of the note assigned to the pressed button will be produced. (Regarding what note is assigned, refer to the "Switch Test Item List ") <p>* You can exit from this test by pressing the [DEMO] button. * If any problem is found, "SW NG" is shown on the LCD. * If two or more buttons are pressed simultaneously, "Over Two" is shown on the LCD. If no problem is found, "SW OK" is shown on the LCD.</p>
032	All LCD On Check	<p>Checks whether all the LCD dots are turned on properly.</p> <ol style="list-style-type: none"> 1) Check that all the LCD dots are turned on.
033	All LCD Off Check	<p>Checks whether all the LCD dots are turned off properly.</p> <ol style="list-style-type: none"> 1) Check that all the LCD dots are turned off.

No.	Test Program Item	Procedure for "Selection and execution of test items"
035	Main Volume Check	Checks the minimum value and maximum value of the [MAIN VOLUME]. 1) Press the [START/STOP] button. "MVol Min" is shown on the LCD. 2) Set the [MAIN VOLUME] to the minimum. "MVol Max" is shown on the LCD. 3) Set the [MAIN VOLUME] to the maximum. If no problem is found, "MVol OK" is shown on the LCD.
036	Fail-Safe Check	Checks whether the fail-safe circuit for digital volume control works properly. 1) Check the test result. If no problem is found, "FS OK" is displayed. If any problem is found, "FS NG" is shown on the LCD.
037	Pedal1 Check	Checks whether the Foot switch plugged into the [SUSTAIN] jack works properly. 1) Press the [START/STOP] button to produce the C3 sound. 2) Press the Foot switch to produce the C4 sound. 3) Release the Foot switch to stop the C4 sound. If no problem is found, "PD1 OK" is shown on the LCD. * Connect a Foot switch to the [SUSTAIN] jack before turning the power ON.
048	Volt Check	Confirms the voltage of the AC adaptor. 1) Check the test result. If no problem is found, "Volt OK" is shown on the LCD. If a problem is found, "Volt NG" is shown on the LCD.
052	Pos Check	Checks the Make Position for the keyboard (PingPongPang mode). 1) Press the [START/STOP] button. "Press" is shown on the LCD. 2) Press the key on the keyboard. 3) "xxx Make 1" → "xxx Make 12" (note number and make number) are shown on the LCD. 0 and +4 notes are output with a velocity of 127 for every 2 Makes. For example, if pressing the C key on the keyboard, CE is output. 4) Press the [START/STOP] button to return to selection display of the test items.
059	ROM Check2	Executes the check of the ROM connected to the CPU bus (Full address). 1) Check the test result. (It will take about 50 seconds for the check.) If no problem is found, "Rom OK" is shown on the LCD. If any problem is found, "Rom NG" is shown on the LCD.
060	RAM Check2	Executes the check of the RAM connected to the CPU bus (Full address). 1) Check the test result. If no problem is found, "Ram OK" is shown on the LCD. If any problem is found, "Ram NG" is shown on the LCD.
061	Flash ROM Check2	Executes the check of the flash ROM connected to the CPU bus (Full address). 1) Check the test result. (It will take about 40 seconds for the check.) If no problem is found, "FRom OK" is shown on the LCD. If any problem is found, "FRom NG" is shown on the LCD.

No.	Test Program Item	Procedure for "Selection and execution of test items"
064	Keyboard Check	<p>Checks whether each key works properly.</p> <ol style="list-style-type: none"> 1) Check that the LCD shows you the should-be-pressed key. 2) Press the key specified on the LCD one by one. <p>The each sound between C3 and B4 assigned to the pressed key will be produced. If no problem is found, "KB OK" is shown on the LCD.</p> <p>* You can exit from this test by pressing the [DEMO] button. * If the wrong key is pressed, nothing happens. * If two or more keys are pressed simultaneously, "Over Two" is shown on the LCD. * If the velocity of pressing the key is not suitable, either "Too Slow" or "Too Fast" is shown on the LCD.</p>
065	Factory Reset	<p>Reset all the backup region of the memories to the initial factory status.</p> <ol style="list-style-type: none"> 1) Do not turn off the power while "Fact --" is shown on the LCD. <p>After a while, "Fact End" is shown on the LCD to indicate that the initializing is completed.</p>
066	Test Exit	<p>Lets you exit from the Test mode to the normal mode.</p> <ol style="list-style-type: none"> 1) Press the [START/STOP] button. <p>The Test Program mode will end, then the instrument will be restarted in normal mode.</p> <p>* Never turn off the power until the Main display appears. Doing so may cause a malfunction.</p>

3. Other Test Items (Check in normal mode)

No.	Test Program Item	Procedure
-	Popping Noise Level Check	<p>Check that the popping noise level is proper when turning the power on and off.</p> <ol style="list-style-type: none"> 1) Connect an Oscilloscope to the [PHONES/OUTPUT] jack. 2) Set the MASTER VOLUME to the maximum position. 3) Press the [⏻] (STANDBY/ON) switch to check the noise level indicated on the Oscilloscope when turning the power of the instrument on and off. <p>No problem if the following conditions are satisfied.</p> <p>[PHONES/OUTPUT] (Both L and R ch, 33 Ω load)</p> <ul style="list-style-type: none"> • L, R: 1.0 V peak to peak or less
-	Noise Level Check	<p>Check that the noise level is proper.</p> <ol style="list-style-type: none"> 1) Connect the level meter (with JIS-C filter) to the [PHONES/OUTPUT] jack on the rear panel. (Both L and R ch, 33 Ω load) 2) Set the MASTER VOLUME to the maximum position. 3) Check the output levels of L and R ch indicated on the Level meter. <p>No problem if the following conditions are satisfied.</p> <p>[PHONES/OUTPUT] (33 Ω load)</p> <ul style="list-style-type: none"> • L, R: -75 dBu or less <p>* Do not plug anything into the [AUX IN] jack.</p>

No.	Test Program Item	Procedure
-	No charging the batteries Check	Checks whether the voltage is supplied to batteries. 1) Connect the AC adaptor to the [DC IN] jack. 2) Check the voltage between the battery + terminal and GND terminal. No problem if 0.2V or less is generated.
-	Vibration Noise Check	Checks whether vibration noise occurs on the instrument. 1) Select the Voice following: No.068 (FngrBass) 2) Set the Main Voice volume in the Function to the default value. 3) Set the MASTER VOLUME to the maximum position. 4) Perform scaling to check that no vibration noise occurs.

4. Switch Test Item List

順番	SV Name	LCD表示	Note番号
1	DEMO	<i>Demo</i>	C3
2	METRONOME	<i>Metro</i>	C#3
3	TEMPO/TAP	<i>Temp/TAP</i>	D3
4	LEFT (PART L)	<i>Left</i>	D#3
5	RIGHT (PART R)	<i>Right</i>	E3
6	STEP LESSON	<i>Keys</i>	F3
7	PHRASE REPEAT	<i>P Rep</i>	F#3
8	LESSON MODE	<i>Lesson</i>	G3
9	VOICE	<i>Voice</i>	G#3
10	SONG	<i>Song</i>	A3
11	STYLE	<i>Style</i>	A#3
12	Tenkey 1	<i>Tenkey 1</i>	B3
13	Tenkey 2	<i>Tenkey 2</i>	C4
14	Tenkey 3	<i>Tenkey 3</i>	C#4
15	Tenkey 4	<i>Tenkey 4</i>	D4
16	Tenkey 5	<i>Tenkey 5</i>	D#4
17	Tenkey 6	<i>Tenkey 6</i>	E4
18	Tenkey 7	<i>Tenkey 7</i>	F4
19	Tenkey 8	<i>Tenkey 8</i>	F#4
20	Tenkey 9	<i>Tenkey 9</i>	G4
21	Tenkey -	<i>Tenkey -</i>	G#4
22	Tenkey 0	<i>Tenkey 0</i>	A4
23	Tenkey +	<i>Tenkey +</i>	A#4
24	MUSIC DATABASE	<i>MDB</i>	B4
25	DUAL ON/OFF	<i>Dual</i>	C3
26	SPLIT ON/OFF	<i>Split</i>	C#3
27	HARMONY ON/OFF	<i>Harmony</i>	D3
28	A-B REPEAT	<i>AB Rep</i>	D#3
29	REW	<i>Rew</i>	E3
30	FF	<i>FF</i>	F3
31	PAUSE	<i>Pause</i>	F#3
32	START/STOP	<i>StartStp</i>	G3
33	REC	<i>Record</i>	G#3
34	PORTABLE GRAND	<i>GP</i>	A3
35	DSP	<i>DSP</i>	A#3
36	ARTICULATION	<i>Art.</i>	B3
37	REGIST MEMORY	<i>Regist</i>	C4
38	FUNCTION	<i>Function</i>	C#4

■ BACKUP

Backup Parameters

The following Backup parameters will be maintained even if the power is turned off.

Backup parameters

- User Songs
- Style Number 206 to 215
- Registration Memory
- Passing status of song and step
- FUNCTION Settings:
Tuning, Split Point, Touch Response, Style Volume, Song Volume, Metronome Volume, Your Tempo, Demo Group, Demo Play Mode, Master EQ type, Panel Sustain, Auto Power Off, Battery Type, Guide Sound, Loop Back, Fingering Type, [AUX IN] Audio Input Volume, [USB TO HOST] Audio Input Volume, Style Freeze, Transpose Freeze, Voice Freeze

In addition to the Backup parameters above, all the data (including style data that have not been loaded) transferred from the connected computer will be maintained even if you turn off the power.

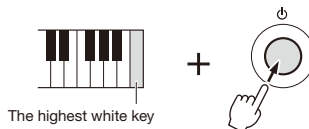
INITIALIZATION

There are following two methods to initialize the customer's setup data.

● Backup Clear

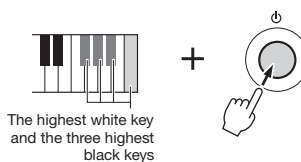
This operation initializes the backup parameters and the Registration Memories.

While holding down the highest white key, press the [⏻] (Standby/On) switch to turn the power on.



● Flash Clear

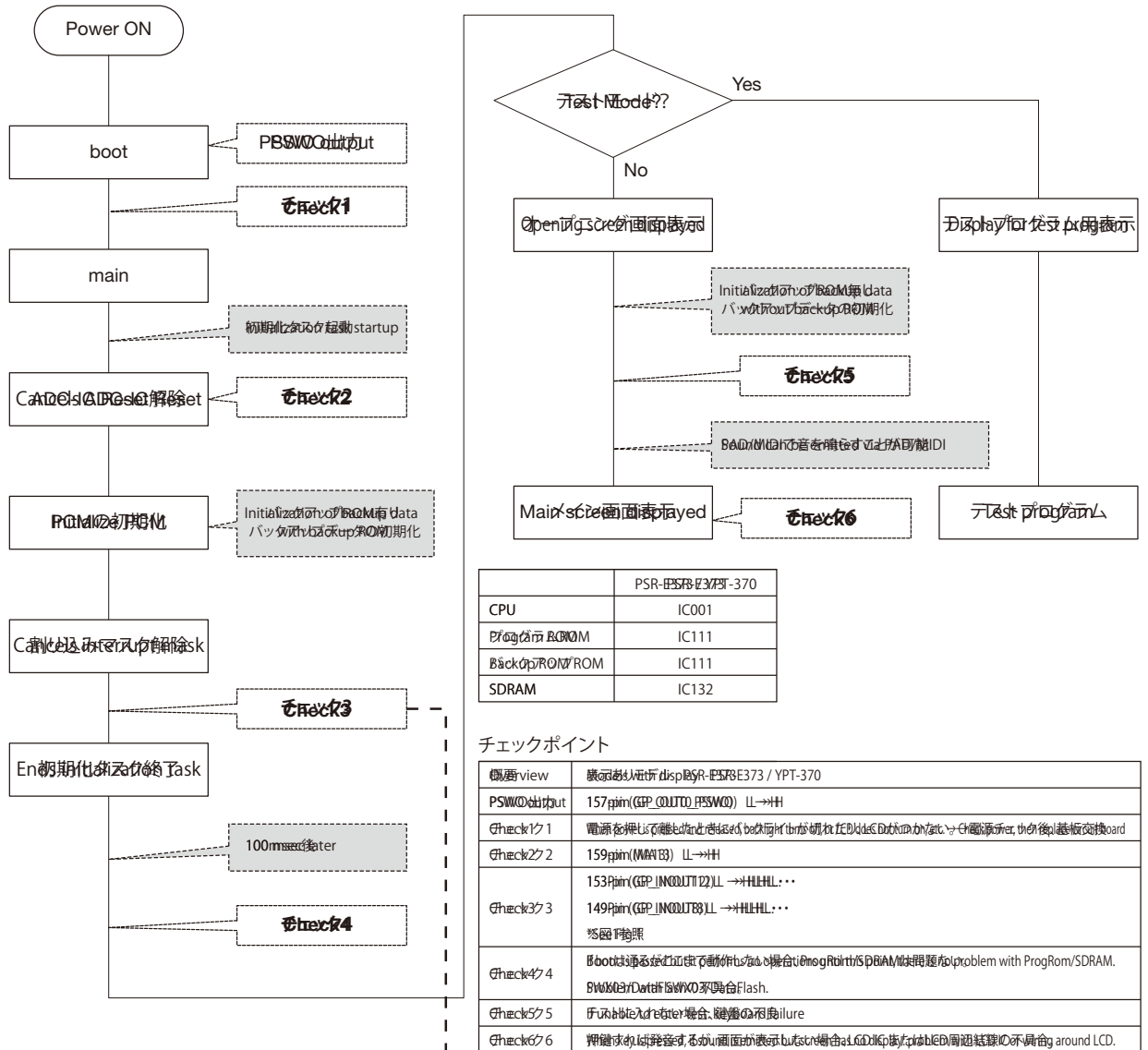
This operation deletes all the songs and styles that have been transferred from a computer. Note that Style data registered to Style No. 206 to 215 will be maintained. While simultaneously holding the highest white key and the three highest black keys, press the [⏻] (Standby/On) switch to turn the power on.



CAUTION

- Keep in mind that "Flash Clear" also deletes the data the customer has purchased. Be sure to save the important data to a computer via Musicsoft Downloader software, or tell this to the customer in advance.

SYSTEM BOOTING FLOW CHART



	PSR-E373/YPT-370
CPU	IC001
Prog Rom ROM	IC111
Backup ROM ROM	IC111
SDRAM	IC132

チェックポイント

観測 view	観測の場所 display-PSR-E373 / YPT-370
PSWの出力	157ppm(GP_OUT0_PSW0) LL→HH
チェック1	電源を押しつけて電源が on になると、バックライトが点灯し、LEDが点灯する。その後基板交換 board
チェック2	159ppm(MAN3) LL→HH
チェック3	153ppm(GP_INOUT12) LL →HLLHL...
チェック4	149ppm(GP_INOUT8) LL →HLLHL... ※図1参照
チェック5	ブート時のエラー発生で動作が止まる場合、ProgRom/SDRAMに問題がある problem with ProgRom/SDRAM. Buzzer/Defeat PSW0が動作 Flash.
チェック6	キーボードの検出エラー発生、鍵盤の故障 failure
チェック6	キーボードの検出エラー発生、画面が表示されない場合、LCDの動作が正常に動作しない場合 around LCD.

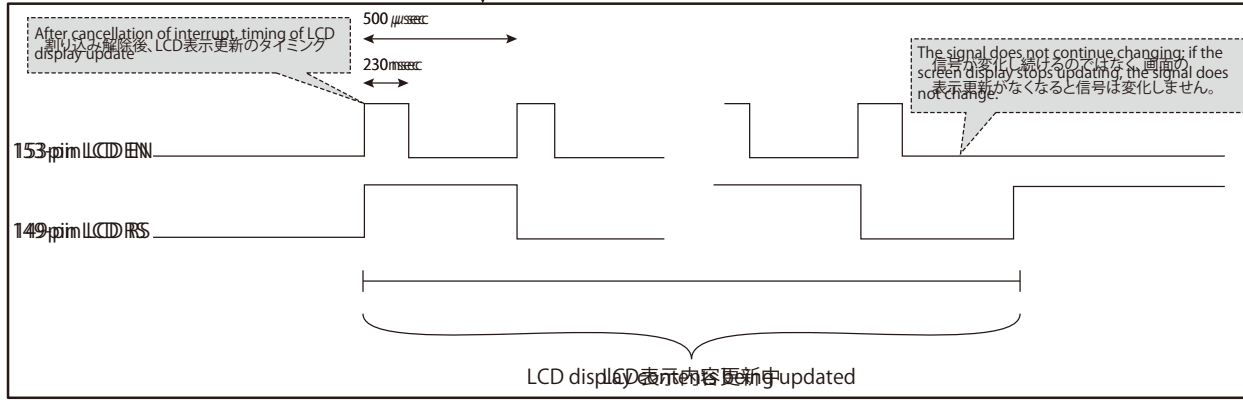


図11

PSR-E373/YPT-370

PARTS LIST

■ CONTENTS

OVERALL ASSEMBLY.....	2
UPPER CASE ASSEMBLY.....	4
LOWER KEY BED ASSEMBLY.....	6
KEYBOARD ASSEMBLY.....	8
ELECTORICAL PARTS.....	10

* DESTINATION ABBREVIATIONS

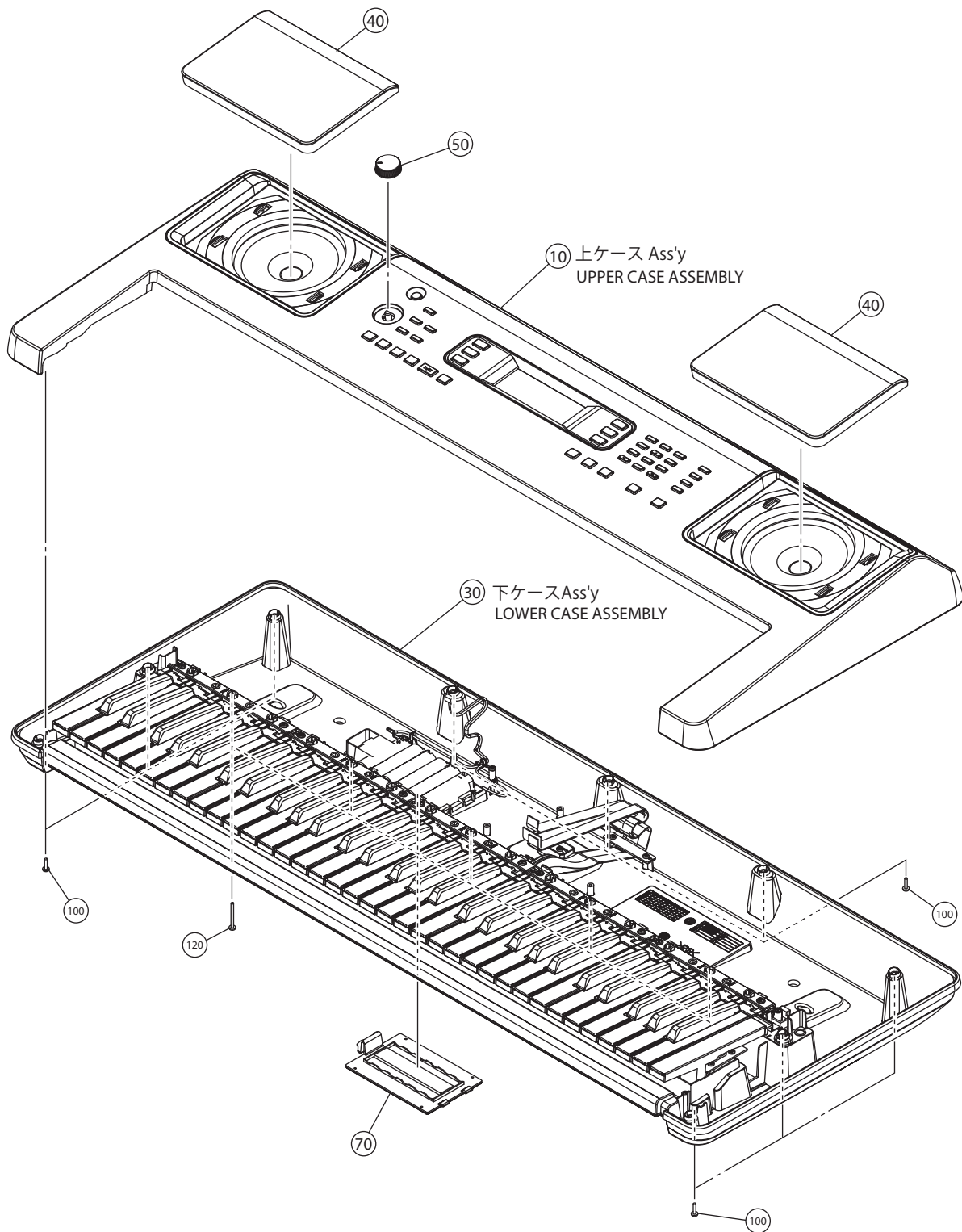
A:	Australian model	R:	Russia model
B:	British model	S:	Spain model
C:	Canadian model	T:	Taiwan model
D:	German model	U:	U.S.A. model
E:	European model	V:	General export model (110V)
F:	French model	W:	General export model (220V)
H:	North European model	N,X:	General export model
I:	Indonesian model	Y: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

■ WARNING

Components having special characteristics are marked Δ and must be replaced with parts having specifications 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
	--	MODEL	PSR-E373	モ デ ル	PSR-E373 (VCF9360)
10	--	OVERALL ASSEMBLY	PK E	総 組 立	U,C,E,B,I,K,Y,A,PZ (VDH1150)
10	--	OVERALL ASSEMBLY	PK J	総 組 立	J (VDH1180)
10	--	OVERALL ASSEMBLY	PK CHN	総 組 立	O (VDH1170)
10	--	UPPER CASE ASSEMBLY	PK E	上 ケ ー ス A s s ' y	U,C,E,B,I,K,Y,A,PZ (VDH1580)
10	--	UPPER CASE ASSEMBLY	PK CHN	上 ケ ー ス A s s ' y	O (VDH1590)
10	--	UPPER CASE ASSEMBLY	PK J	上 ケ ー ス A s s ' y	J (VDH1600)
30	--	LOWER CASE ASSEMBLY		下 ケ ー ス A s s ' y	(VDH1610)
40	ZW042900	SP GRILLE WELDED	PK	S P グ リ ル 溶 着 品	
50	ZP527600	VOLUME KNOB	COMMON	ポ リ ュ ー ム ツ マ ミ	
70	WR080100	BATTERY COVER ASSEMBLY		電 池 蓋 A s s ' y	
100	WE98740R	BIND HEAD TAPPING SCREW	3.0X12 MFZN2W3	B タ イ ト + B I N D	9
120	WF491002	SCREW TP #B +BIND	3.0X30 MFZN2W3	B タ イ ト + B I N D	5
		ACCESSORIES		付 属 品	
	ZG441300	MUSIC REST WITH BAG	BLACK	譜 面 板 袋 入 リ	
	ZM585200	ADAPTOR SET	PA-130B E	ア ダ プ タ ー セ ッ ト T Y E	
	ZM585500	ADAPTOR SET	PA-130B B	ア ダ プ タ ー セ ッ ト T Y B	
	WK014600	AC ADAPTOR	PA-130U U	A C ア ダ プ タ ー U	C
	ZN406200	ADAPTOR SET	PA-130B A	ア ダ プ タ ー セ ッ ト T Y A	
	ZU896800	ADAPTOR SET	PA-130B IN	ア ダ プ タ ー セ ッ ト T Y Z	
	ZM585700	ADAPTOR SET	PA-130B BRA	ア ダ プ タ ー セ ッ ト T Y P	
	ZM585600	ADAPTOR SET	PA-130B K	ア ダ プ タ ー セ ッ ト T Y K	
	V8028600	AC ADAPTOR	PA-3C J	A C ア ダ プ タ ー J	
	ZM585900	ADAPTOR SET	PA-130B CHN	ア ダ プ タ ー セ ッ ト T Y O	
	V802880R	AC ADAPTOR	PA-3C E	A C ア ダ プ タ ー I	

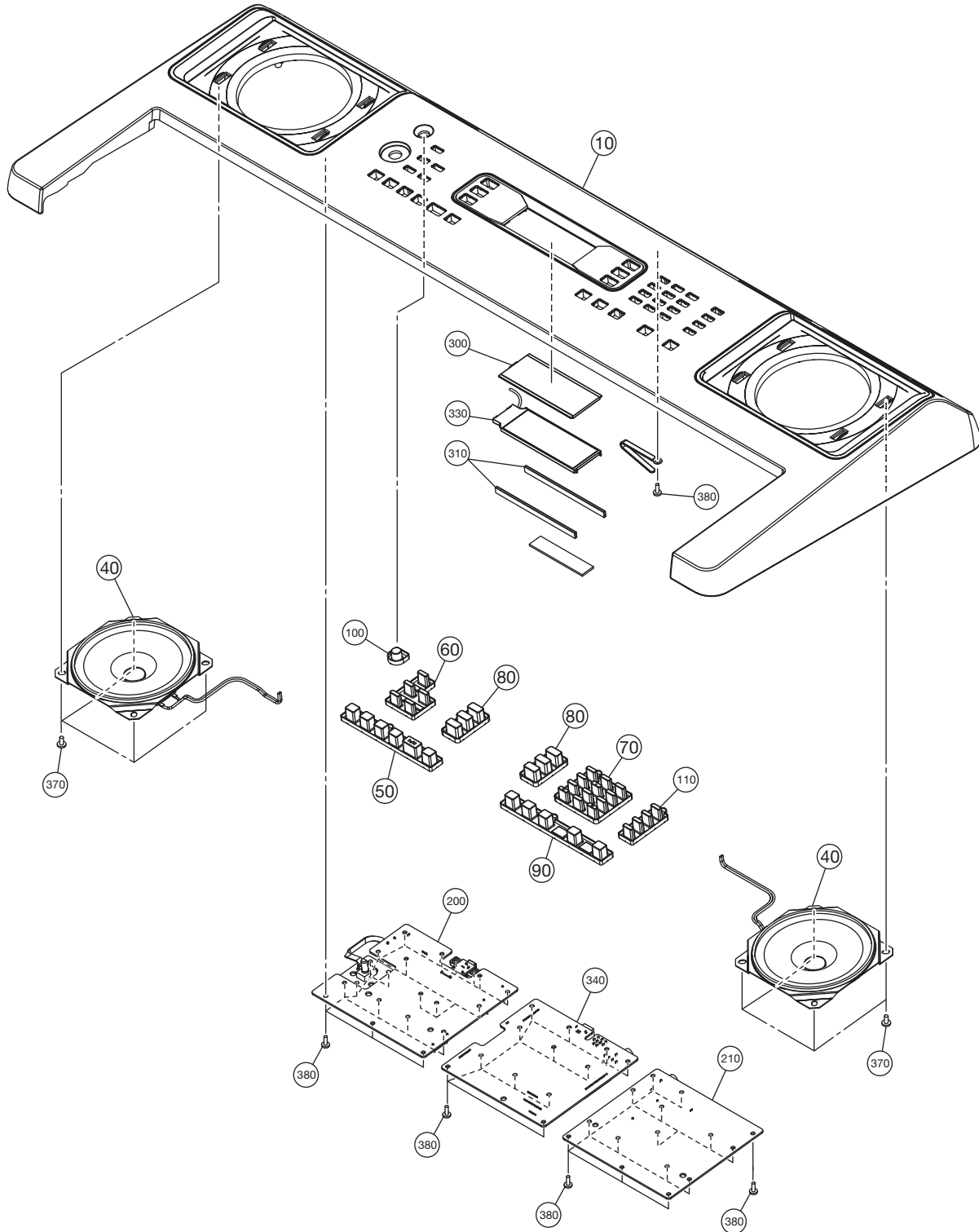
△
△
△
△
△
△
△
△
△
△

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY
	--	MODEL	YPT-370	モ デ ル	YPT-370 (VCF9370)
10	--	OVERALL ASSEMBLY	PK E	総 組 立	E,B,U,A,Y,Z,P,I (VDH2740)
10	--	OVERALL ASSEMBLY	PK R	総 組 立	R (VDH2750)
10	--	OVERALL ASSEMBLY	PK CHN	総 組 立	O (VDH2760)
10	--	UPPER CASE ASSEMBLY	PK E	上 ケ ー ス A s s ' y	U,E,B,I,Y,A,PZ (VDH2800)
10	--	UPPER CASE ASSEMBLY	PK R	上 ケ ー ス A s s ' y	R (VDH2810)
10	--	UPPER CASE ASSEMBLY	PK CHN	上 ケ ー ス A s s ' y	O (VDH2820)
30	--	LOWER CASE ASSEMBLY		下 ケ ー ス A s s ' y	(VDH2830)
40	ZW043000	SP GRILLE WELDED	PK	S P グ リ ル 溶 着 品	
50	ZP527600	VOLUME KNOB	COMMON	ポ リ ュ ー ム ツ マ ミ	
70	VDK11800	BATTERY COVER ASSEMBLY		電 池 蓋 A s s ' y	
100	WE98740R	BIND HEAD TAPPING SCREW-B	3.0X12 MFZN2W3	B タ イ ト + B I N D	9
120	WF491002	BIND HEAD TAPPING SCREW-B	3.0X30 MFZN2W3	B タ イ ト + B I N D	5
		ACCESSORIES		付 属 品	
	ZG441600	MUSIC REST WITH BAG	LIGHT GRAY	譜 面 板 袋 入 リ	
	ZM585200	ADAPTOR SET	PA-130B E	ア ダ プ タ ー セ ッ ト T Y E,R	
	ZM585500	ADAPTOR SET	PA-130B B	ア ダ プ タ ー セ ッ ト T Y B	
	WK014600	AC ADAPTOR	PA-130U U	A C ア ダ プ タ ー U	
	ZN406200	ADAPTOR SET	PA-130B A	ア ダ プ タ ー セ ッ ト T Y A	
	ZU896800	ADAPTOR SET	PA-130B IN	ア ダ プ タ ー セ ッ ト T Y Z	
	ZM585700	ADAPTOR SET	PA-130B BRA	ア ダ プ タ ー セ ッ ト T Y P	
	ZM585900	ADAPTOR SET	PA-130B CHN	ア ダ プ タ ー セ ッ ト T Y O	
	V802880R	AC ADAPTOR	PA-3C E	A C ア ダ プ タ ー I	

△
△
△
△
△
△
△
△

* : New Parts (新規部品)

■ UPPER CASE ASSEMBLY



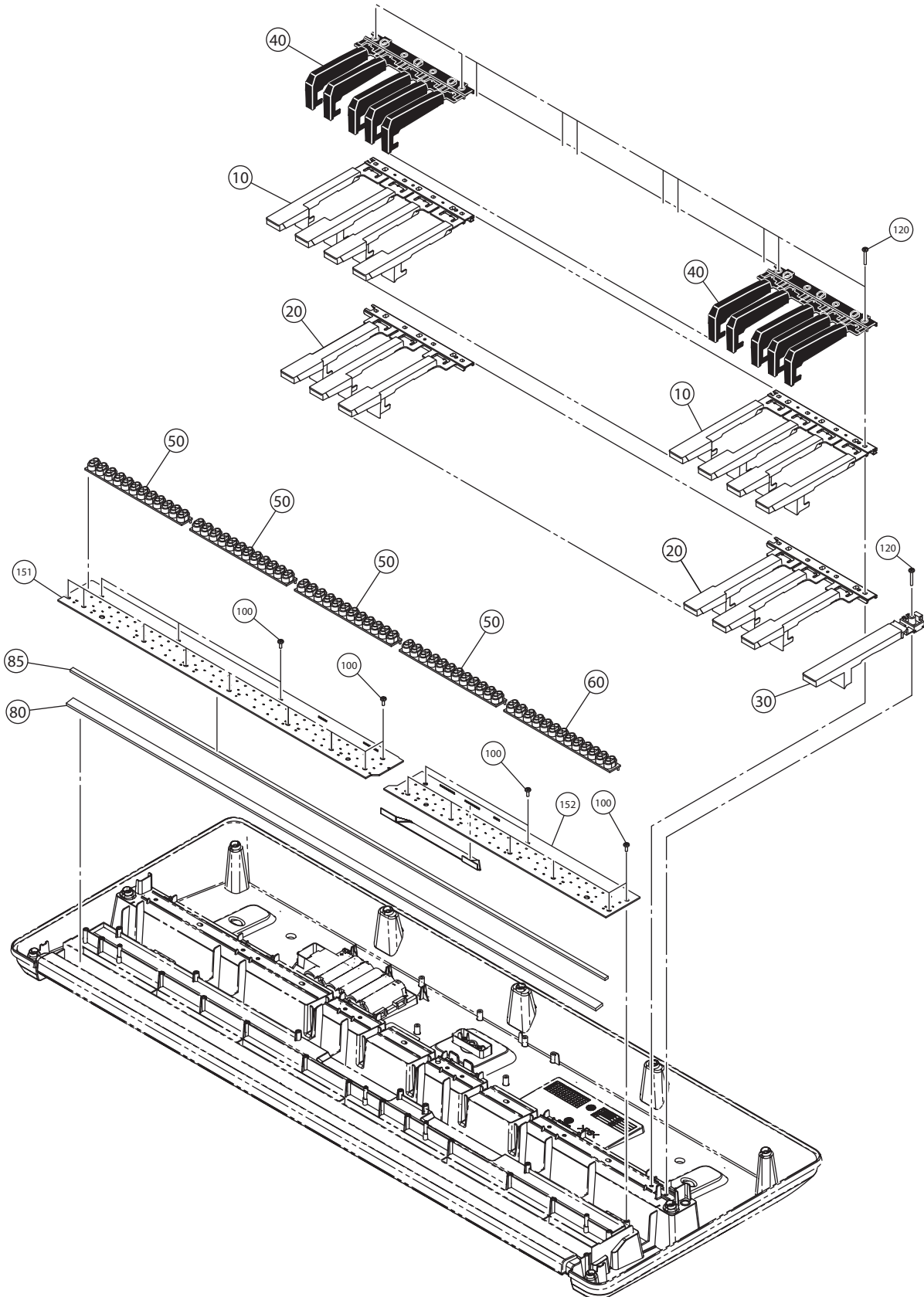
REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY
	--	UPPER CASE ASSEMBLY	上 ケ ー ス A s s ' y	PSR-E373/YPT-370	
	--	UPPER CASE ASSEMBLY	E 上 ケ ー ス A s s ' y	PSR-E373 U,C,E,B,I,K,Y,A,P,Z (VDH1580)	
	--	UPPER CASE ASSEMBLY	CHN 上 ケ ー ス A s s ' y	PSR-E373 O (VDH1590)	
	--	UPPER CASE ASSEMBLY	J 上 ケ ー ス A s s ' y	PSR-E373 J (VDH1600)	
	--	UPPER CASE ASSEMBLY	E 上 ケ ー ス A s s ' y	YPT-370 U,E,B,I,Y,A,P,Z (VDH2800)	
	--	UPPER CASE ASSEMBLY	R 上 ケ ー ス A s s ' y	YPT-370 R (VDH2810)	
	--	UPPER CASE ASSEMBLY	CHN 上 ケ ー ス A s s ' y	YPT-370 O (VDH2820)	
* 10	VDE29700	UPPER CASE FINISHED	E 上 ケ ー ス 塗 装 印 刷 品	PSR-E373 U,C,E,B,I,K,Y,A,P,Z	
* 10	VDE29800	UPPER CASE FINISHED	CHN 上 ケ ー ス 塗 装 印 刷 品	PSR-E373 O	
* 10	VDE29900	UPPER CASE FINISHED	J 上 ケ ー ス 塗 装 印 刷 品	PSR-E373 J	
* 10	VDE30000	UPPER CASE FINISHED	E 上 ケ ー ス 塗 装 印 刷 品	YPT-370 U,E,B,I,Y,A,P,Z	
* 10	VDE30100	UPPER CASE FINISHED	R 上 ケ ー ス 塗 装 印 刷 品	YPT-370 R	
* 10	VDE30200	UPPER CASE FINISHED	CHN 上 ケ ー ス 塗 装 印 刷 品	YPT-370 O	
40	YJ207B00	LOUD SPEAKER	12.0cm 6ohm 3w ス ピ ー カ		2
50	ZW018400	PN SWITCH	P N ス イ ッ チ		
60	ZW018500	PN SWITCH	P N ス イ ッ チ		
70	ZW018600	PN SWITCH	P N ス イ ッ チ		
80	ZW018700	PN SWITCH	P N ス イ ッ チ		2
90	ZW019500	PN SWITCH	P N ス イ ッ チ		
100	ZW019600	PN SWITCH	P N ス イ ッ チ		
110	ZW019700	PN SWITCH	P N ス イ ッ チ		
200	ZV856400	CIRCUIT BOARD	PNL P C B P N L		
210	ZV856500	CIRCUIT BOARD	PNR P C B P N R		
* 300	VDE34900	LCD DISPLAY	YDDC0128ABHDTZS 液 晶 デ ィ ス プ レ イ		
310	WZ963200	RUBBER CONNECTOR	ZEBRA コ ム コ ネ ク タ ー		2
* 330	VDE10600	BACK LIGHT	PK バ ッ ク ラ イ ト		
* 340	VCX50800	CIRCUIT BOARD DMLCD	P C B D M L C D		
370	WE97460R	BIND HEAD TAPPING SCREW-B	4.0X8 MFZN2W3 B タ イ ト + B I N D		8
380	WE774302	BIND HEAD B-TIGHT SCREW	3.0X8 MFZN2W3 B タ イ ト + B I N D		49

* : New Parts (新規部品)

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY
	--	LOWER CASE ASSEMBLY	下 ケース A s s ' y	PSR-E373/YPT-370	
	--	LOWER CASE ASSEMBLY	下 ケース A s s ' y	PSR-E373 (VDH1610)	
	--	LOWER CASE ASSEMBLY	下 ケース A s s ' y	YPT-370 (VDH2830)	
* 10	VDD29900	LOWER CASE MOLDING BLACK	下 ケース 成 形 品	PSR-E373	
* 10	VDD30000	LOWER CASE MOLDING LIGHT GRAY	下 ケース 成 形 品	YPT-370	
20	--	16NS-C61 KEYBOARD	1 6 N S - C 6 1 鍵 盤	(ZW64810)	
20	--	16NS-C61 KEYBOARD	1 6 N S - C 6 1 鍵 盤	(ZW64811)	
30	--	STAND ANGLE	ス タ ン ド 金 具	(ZP42530)	3
40	WW693500	RUBBER FOOT	ゴ ム 脚		5
50	WD87920R	SPRING TERMINAL A	接 点 バ ネ A		
60	WD87930R	SPRING TERMINAL B	接 点 バ ネ B		
70	WD87940R	SPRING TERMINAL C	接 点 バ ネ C		3
80	WD87970R	SPRING TERMINAL D	接 点 バ ネ D		2
* 90	ZR125000	NONWOVEN CLOTH 99X20X0.5T	不 織 布		2
100	WE774302	BIND HEAD B-TIGHT SCREW 3.0X8 MFZN2W3	B タ イ ト + B I N D		9
110	--	CUSHION (PE) 870X12X1	ク ッ シ ョ ン (P E)	(ZW08210)	2
120	--	CUSHION (PE) 98X6X1	ク ッ シ ョ ン (P E)	(WU97160)	2
110-120	VDK61700	CUSHION SHEET T1 (A4) t1X297X210 (PEF)	ク ッ シ ョ ン シ ー ト t 1 (P E F)	サイズに合わせて切って使用してください。 Please cut to fit the size.	

* : New Parts (新規部品)

KEYBOARD ASSEMBLY



REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY
		KEYBOARD ASSEMBLY	鍵盤 A s s ' y	PSR-E373/YPT-370	
	--	KEYBOARD ASSEMBLY	1 6 N S - C 6 1 鍵盤	(ZW64810)	
	--	KEYBOARD ASSEMBLY	1 6 N S - C 6 1 鍵盤	(ZW64811)	
10	ZE369800	WHITE KEY CEGB	白 鍵 C E G B		5
20	ZE369900	WHITE KEY DFA	白 鍵 D F A		5
30	V476030R	WHITE KEY C	白 鍵 C		
40	WZ168300	BLACK KEY T=1.5	黒 鍵		5
50	V341360R	KEYBOARD RUBBER CONTACT	16N-2M OCT 2M	接点ゴム 1 6 N 2 M	4
50	ZS089000	KEYBOARD RUBBER CONTACT	16N-2M OCT 2M	接点ゴム 1 6 N 2 M	4
60	V747740R	KEYBOARD RUBBER CONTACT	16N-2M 13K 2M	接点ゴム 1 6 N 2 M	
60	ZS089100	KEYBOARD RUBBER CONTACT	16N-2M 13 2M	接点ゴム 1 6 N 2 M	
80	VZ303020	FELT L 11x827 WHITE	827 11 SHIRO	フ ェ ル ト L	
85	VZ302901	FELT U	836 5 SHIRO	フ ェ ル ト U	
100	WE774302	BIND HEAD B-TIGHT SCREW	3.0X8 MFZN2W3	B タイト + B I N D	20
120	WF49200R	BIND HEAD TAPPING SCREW-P	3.0X20 MFZN2W3	P タイト + B I N D	11
151	V869530R	CIRCUIT BOARD 61L-MK 16N2M		P C B M K - L	
152	V869550R	CIRCUIT BOARD 61H-MK 16N2M		P C B M K - H	

* : New Parts (新規部品)

ELECTORICAL PARTS

DMLCD/PNL/PNR/MK-L/MK-H

REF NO.	PART NO.	DESCRIPTION	部 品 名	REMARKS	QTY	
*	VCX50800	ELECTRICAL PARTS	電 気 部 品			
	ZV856400	CIRCUIT BOARD	P C B D M L C D	(VCX5040)(YK716D0)		
	ZV856500	CIRCUIT BOARD	P N L	(ZV85630)(YJ069C0)		
	V869530R	CIRCUIT BOARD 61L-MK 16N2M	P C B P N R	(ZV85630)(YJ069C0)		
	V869550R	CIRCUIT BOARD 61H-MK 16N2M	P C B M K - L	(V869520)(X2336C0)		
*	VCX50800	CIRCUIT BOARD	P C B D M L C D	(VCX5040)(YK716D0)		
	V680260R	CONNECTOR	U S B ジ ャ ッ ク			
	LB10187R	CONNECTOR	ホ ー ン コ ネ ク タ			
	WJ306201	CONNECTOR	MSJ-064-15A B AG			
	ZA590001	CONNECTOR	JACK MINI STEREO	ホ ー ン コ ネ ク タ		
△ △ △	ZV856400	CIRCUIT BOARD	P N L	(ZV85630)(YJ069C0)		
	ZV856500	CIRCUIT BOARD	P C B P N R	(ZV85630)(YJ069C0)		
	D103	WV008801	DIODE	2A02-A0 TE- 52	ダ イ オ ー ド	
	D103	ZQ176200	DIODE	RL202 TE- 26	ダ イ オ ー ド	
	FZ101	WN081300	FUSE	SEMKO/UL/PSE 2.00A	ヒ ュ ー ズ 2 5 0 V	
	JK101	ZU054000	CONNECTOR	JACK KB0271A03DK2	電 源 コ ネ ク タ	
	JK201	VC68750R	CONNECTOR	JACK YKB21-5014	ホ ー ン コ ネ ク タ (黒)	
	VR301	VQ67050R	ROTARY POT. B10K	B 10K RK11K1130A0M	ロ ー タ リ ー ボ リ ュ ー ム	
	VR301	ZK790601	ROTARY VR	B 10.0K XV012113YN	ロ ー タ リ ー ボ リ ュ ー ム	
	D104	VB941201	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド	
	D104	VD631601	DIODE	1SS133,176,HSS104	ダ イ オ ー ド	
	D105	VB941201	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド	
	D105	VD631601	DIODE	1SS133,176,HSS104	ダ イ オ ー ド	
	D001	V869530R	CIRCUIT BOARD 61L-MK 16N2M	P C B M K - L	(V869520)(X2336C0)	
		VB941201	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド	
-72	VB941201	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド		
D073	V869550R	CIRCUIT BOARD 61H-MK 16N2M	P C B M K - H	(V869540)(X2335D0)		
	VB941201	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド		
-122	VB941201	DIODE	1SS133,1SS176 TE-5	ダ イ オ ー ド		

* : New Parts (新規部品)

