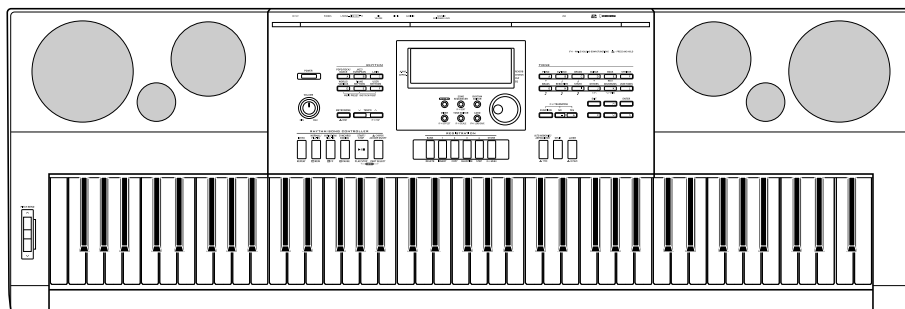


# SERVICE MANUAL & PARTS LIST

## WK-6600

MAR. 2012



**CASIO**<sup>®</sup>

Ver. 2 : Jul. 2014

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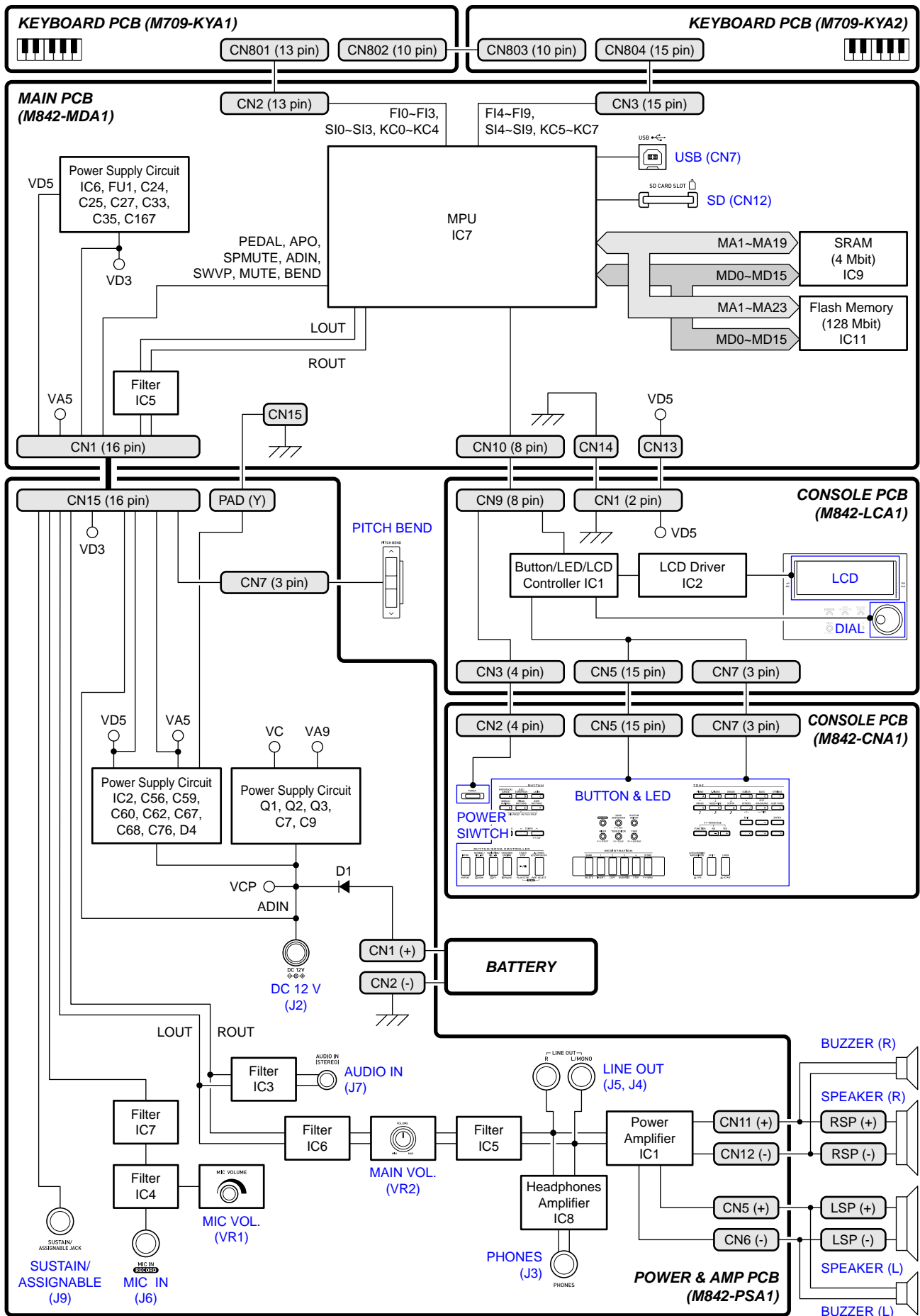
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## SPECIFICATIONS

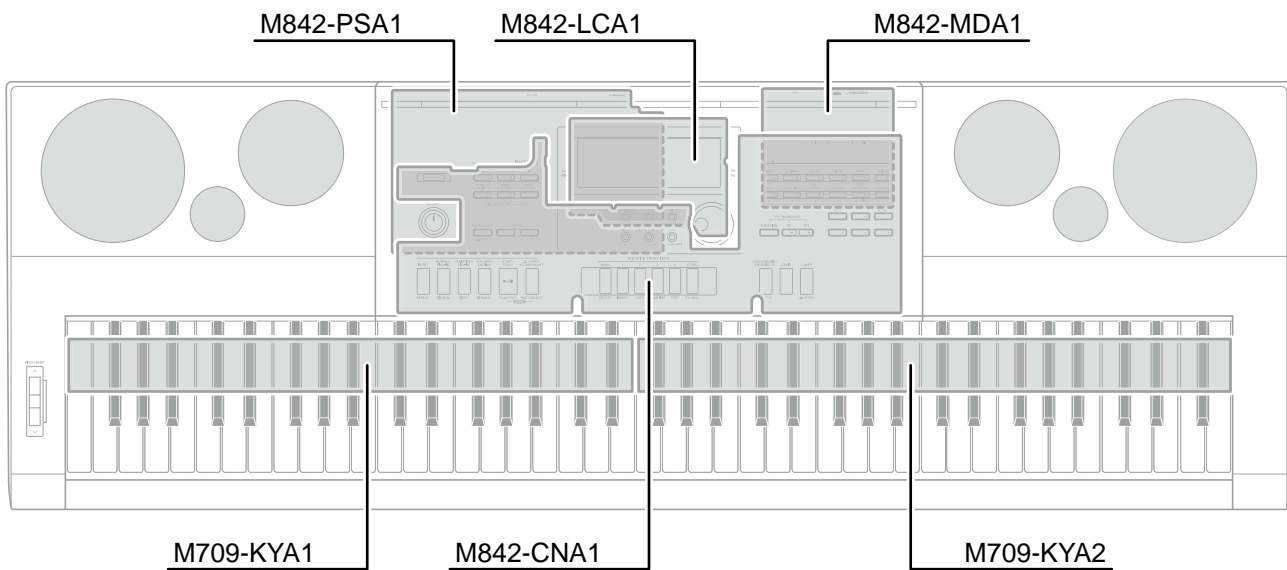
<b>Keyboard</b>	76 standard-size keys
<b>Touch Response</b>	2 types, Off
<b>Maximum Polyphony</b>	48 notes (24 for certain tones)
<b>Tones</b>	
<b>Built-in Tones</b>	700
<b>User Tones</b>	Up to 10 (Tone Editor)
<b>Functions</b>	Layer, Split
<b>Reverb</b>	1 to 10, Off
<b>Chorus</b>	1 to 5, Off
<b>DSP</b>	
<b>Preset DSP</b>	100
<b>User DSP</b>	Up to 100
<b>Metronome</b>	
<b>Beats per Measure</b>	0, 2 to 6
<b>Tempo Range</b>	30 to 255
<b>Auto Accompaniment</b>	
<b>Built-in Rhythms</b>	210
<b>User Rhythms</b>	Up to 10 (Rhythm Editor)
<b>Demo Songs</b>	5 songs
<b>Registration</b>	32 (4 setups × 8 banks)
<b>Song Sequencer</b>	Real-time recording, playback
<b>Keyboard Play</b>	5 songs, 17 tracks
<b>Memory Capacity</b>	Approximately 12,000 notes (total for 5 songs)
<b>Mixer</b>	32 parts (A01-A16/B01-B16) Master parameters, DSP parameters, Part parameters, MIC parameters
<b>Other Functions</b>	
<b>Transpose</b>	±1 octaves (–12 to +12 semitones)
<b>Octave Shift</b>	UPPER 1/UPPER 2/LOWER, ±2 octaves
<b>Tuning</b>	A4 = 415.5 - 440.0 - 465.9 Hz
<b>Scale Tuning</b>	Scale Fine Tune, Preset Scales
<b>Music Preset</b>	305 built-in, plus 50 user presets
<b>One Touch Preset</b>	210
<b>Auto Harmonize</b>	12 types
<b>Arpeggiator</b>	150 types
<b>Equalizer</b>	5 presets
<b>MIDI</b>	16 multi-timbre received, GM Level 1 standard
<b>Pitch Bend Wheel</b>	
<b>Pitch Bend Range</b>	0 to 24 semitones
<b>Memory Cards</b>	
<b>Supported Memory Cards</b>	SD or SDHC memory cards, 32 GB or less
<b>Functions</b>	SMF playback, file storage, file recall, file delete, card format

<b>Inputs/Outputs</b>	
<b>USB jack</b>	TYPE B
<b>Sustain/Assignable jack</b>	Standard jack (sustain, sostenuto, soft, start/stop)
<b>Phones jack</b>	Stereo standard jack
<b>Line Out R, L/MONO jacks</b>	Standard jack × 2
	Output Impedance: 2.3 kΩ, Output Voltage: 1.5 V (RMS) MAX
<b>Audio In jack</b>	Stereo mini jack
	Input Impedance: 9 kΩ, Input Sensitivity: 200 mV
<b>Mic In jack</b>	Standard jack (connect a dynamic microphone only)
	Input Impedance: 3 kΩ, Input Sensitivity: 10 mV
<b>Power Jack</b>	12 V DC
<b>Power Supply 2-way</b>	
<b>Batteries</b>	6 D-size zinc-carbon batteries or alkaline batteries
<b>Battery Life</b>	Approximately 4 hours continuous operation on alkaline batteries
<b>AC Adaptor</b>	AD-A12150LW
<b>Auto Power Off</b>	Approximately 6 minutes after last key operation (during battery use), approximately 4 hours after last key operation (during AC adaptor use)
<b>Speakers</b>	12 cm × 2 + 3 cm × 2 (Output: 6.0 W + 6.0 W)
<b>Power Consumption</b>	12 V $\approx$ 18 W
<b>Dimensions</b>	116.1 × 38.5 × 14.7 cm (45 <sup>3</sup> / <sub>4</sub> × 15 <sup>3</sup> / <sub>16</sub> × 5 <sup>13</sup> / <sub>16</sub> inch)
<b>Weight</b>	Approximately 7.2 kg (15.9 lbs) (without batteries)

# BLOCK AND WIRING DIAGRAM



## PCB INFORMATION



Parts Name	PCB Name	Components
<b>Main PCB</b>		
PCB UNIT/MAIN	M842-MDA1	MPU, SRAM (4 Mbit), Flash Memory (128 Mbit), Power Supply Circuit, Filter, SD card slot, USB port
<b>Power &amp; Amp PCB</b>		
PCB UNIT/POWER & AMP	M842-PSA1	Power Supply Circuit, Power Amplifier, Headphones Amplifier, Filters, Main Volume, MIC Volume, Speaker, Buzzer, Pitch Bend, DC 12 V Terminal, AUDIO IN Jack, LINE OUT (R, L/MONO) Jacks, MIC IN Jack, PHONES Jack, SUSTAIN/ASSIGNABLE Jack
<b>Console PCB</b>		
PCB UNIT/LCA1	M842-LCA1	Button/LED/LCD Controller, LCD Driver, LCD, Dial
PCB UNIT/CNA1	M842-CNA1	Power Switch, Buttons, LED
<b>Keyboard PCB</b>		
PCB UNIT/KEYBOARD/KYA	M709-KYA1	Keyboard
	M709-KYA2	

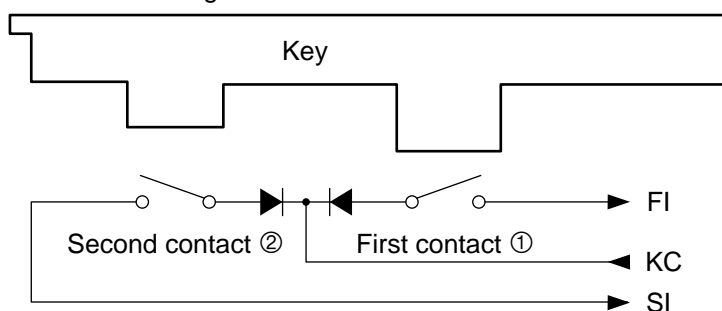
# CIRCUIT DESCRIPTION

## KEY MATRIX

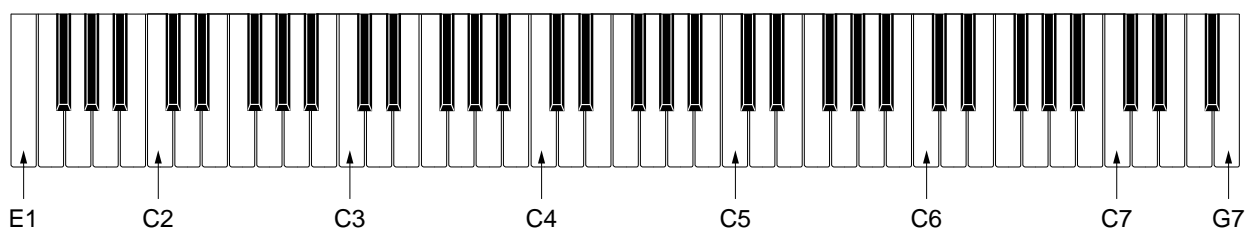
	KC0	KC1	KC2	KC3	KC4	KC5	KC6	KC7
FI0		E1①	F1①	F1#①	G1①	G1#①	A1①	A1#①
SI0		E1②	F1②	F1#②	G1②	G1#②	A1②	A1#②
FI1	B1①	C2①	C2#①	D2①	D2#①	E2①	F2①	F2#①
SI1	B1②	C2②	C2#②	D2②	D2#②	E2②	F2②	F2#②
FI2	G2①	G2#①	A2①	A2#①	B2①	C3①	C3#①	D3①
SI2	G2②	G2#②	A2②	A2#②	B2②	C3②	C3#②	D3②
FI3	D3#①	E3①	F3①	F3#①	G3①	G3#①	A3①	A3#①
SI3	D3#②	E3②	F3②	F3#②	G3②	G3#②	A3②	A3#②
FI4	B3①	C4①	C4#①	D4①	D4#①	E4①	F4①	F4#①
SI4	B3②	C4②	C4#②	D4②	D4#②	E4②	F4②	F4#②
FI5	G4①	G4#①	A4①	A4#①	B4①	C5①	C5#①	D5①
SI5	G4②	G4#②	A4②	A4#②	B4②	C5②	C5#②	D5②
FI6	D5#①	E5①	F5①	F5#①	G5①	G5#①	A5①	A5#①
SI6	D5#②	E5②	F5②	F5#②	G5②	G5#②	A5②	A5#②
FI7	B5①	C6①	C6#①	D6①	D6#①	E6①	F6①	F6#①
SI7	B5②	C6②	C6#②	D6②	D6#②	E6②	F6②	F6#②
FI8	G6①	G6#①	A6①	A6#①	B6①	C7①	C7#①	D7①
SI8	G6②	G6#②	A6②	A6#②	B6②	C7②	C7#②	D7②
FI9	D7#①	E7①	F7①	F7#①	G7①			
SI9	D7#②	E7②	F7②	F7#②	G7②			

Each key has two contacts, the first contact ① and second contact ②.

**NOTE:** The diagram below illustrates how the contacts work.



## NOMENCLATURE OF KEYS



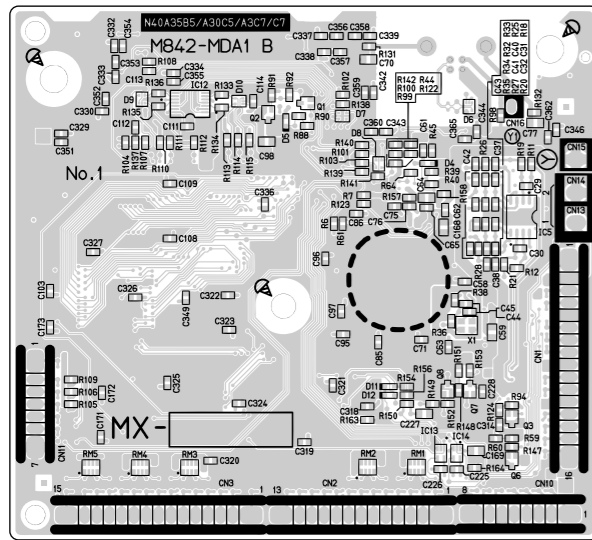
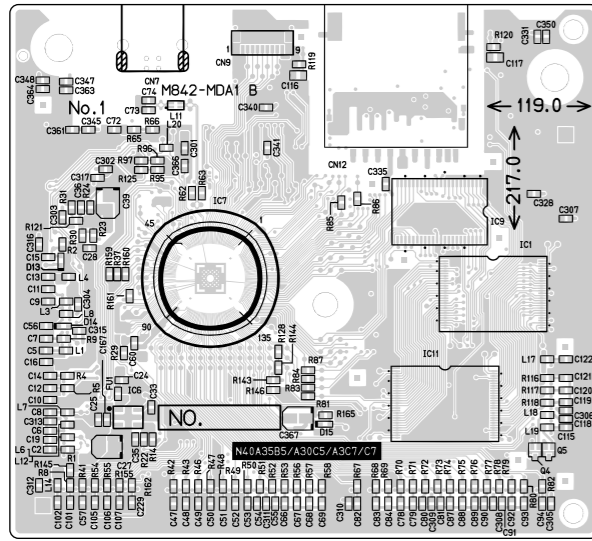
■ **BUTTON MATRIX**

	KC0	KC1	KC2	KC3	KC4	KC5	KC6
KI0	ACCOMP ON/OFF, ↓ CHORDS, PART SELECT, DEMO	VARIATION/ FILL-IN, ▶▶ FF				RECORD	SONG SEQUENCER, (F+)EDIT
KI1	SYNCHRO/ ENDING, PAUSE	START/STOP, PLAY/STOP, DEMO	INTRO, REPEAT		TONE EDITOR, (F+)SCALE	RHYTHM EDITOR	
KI2	NORMAL/FILL-IN, ◀◀ REW	CARD, (F+)LOAD/SAVE	STORE, (F+)MENU	ENTER	∨	>	[F] STRINGS
KI3	4, STEP	3, QUANTIZE	MIXER, (F+)EFFECT	<	LAYER, ↓ OCTAVE	[E] BASS, REST	YES/+, (F+)TRANPOSE
KI4	[C] LATIN	[F] USER RHYTHMS	TEMPO ^, (F+)TAP	EXIT	[L] USER TONES	[K] GM/DRUMS, ┌ (TIE)	[D] GUITAR, •
KI5	TEMPO ∨	[E] PIANO RHYTHMS, ONE TOUCH PRESET	[B] JAZZ/ EUROPEAN	^	[I] SYNTH, ♪	[J] OTHERS, ┌ 3 ┐	[C] ORGAN, ♪
KI6	[D] WORLD/VARIOUS, MUSIC PRESET	[A] POPS/ROCK/ DANCE	METRONOME, ↓ BEAT	NO/-, (F+)TRANPOSE	[H] REED/PIPE, ♪	SPLIT	[B] E. PIANO, ♪
KI7	2, COPY	1, INSERT	BANK, DELETE	AUTO HARMONIZE/ ARPEGGIATOR, ↓ TYPE	FUNCTION	[G] BRASS, ♪	[A] PIANO, •

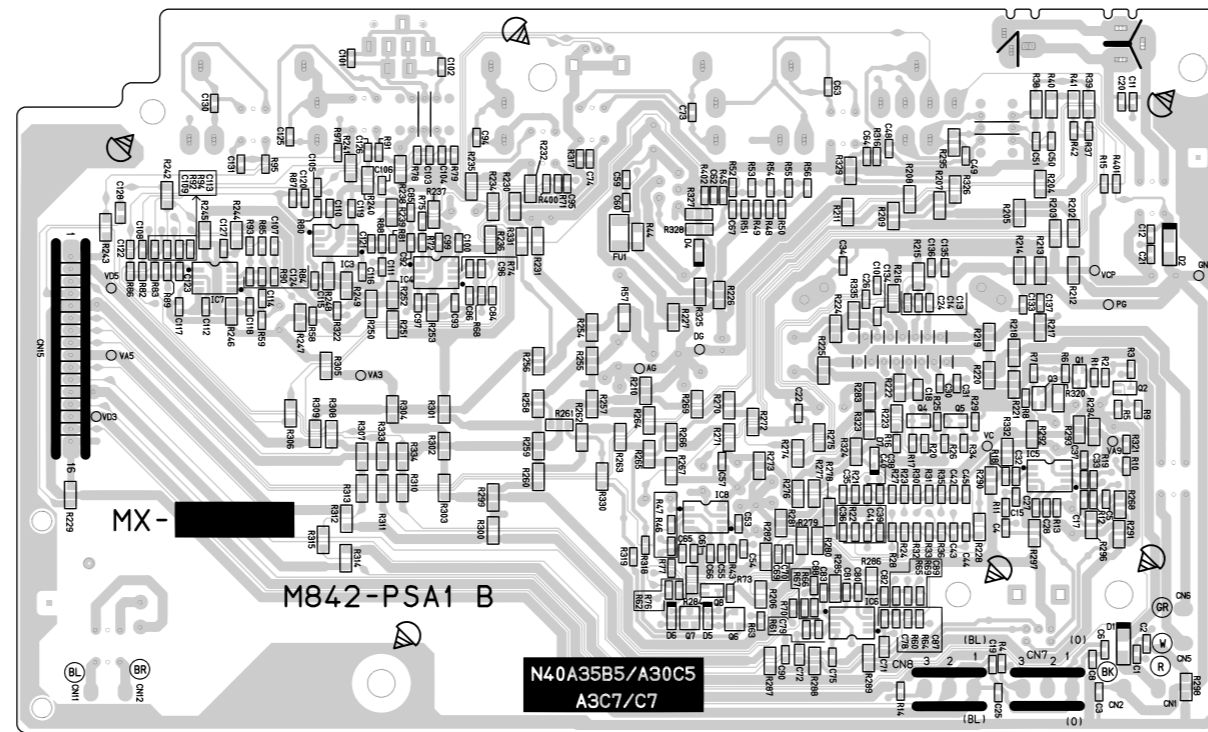
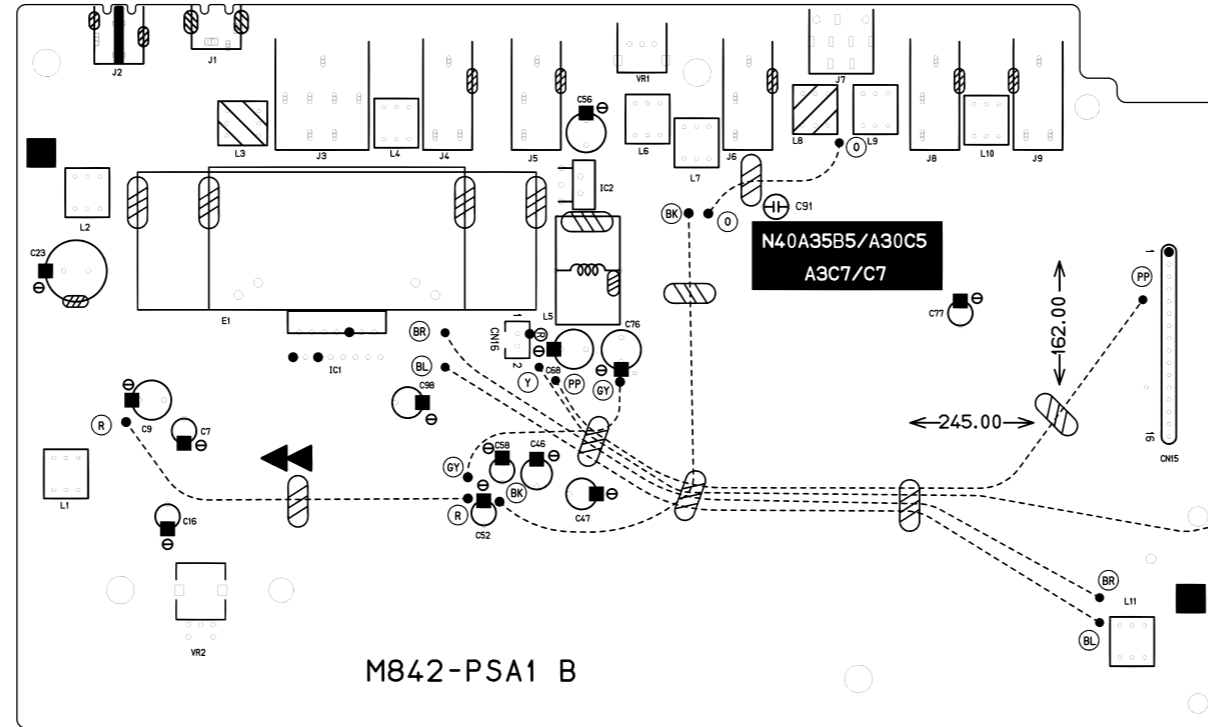


# PRINTED CIRCUIT BOARDS

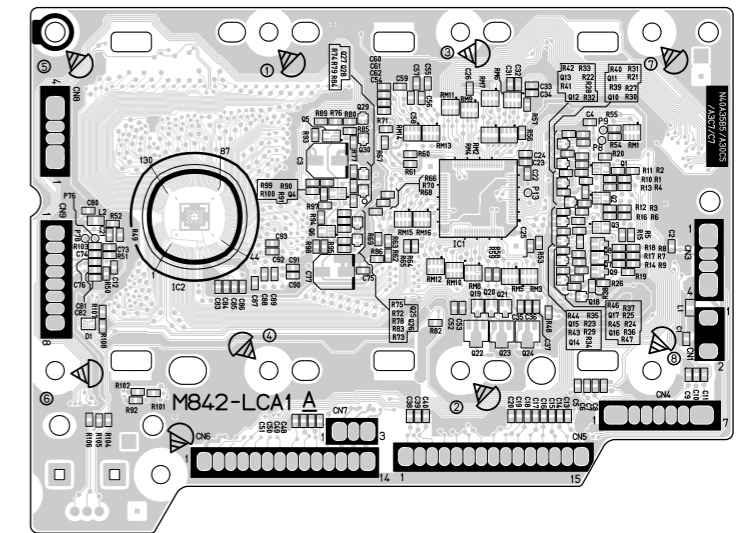
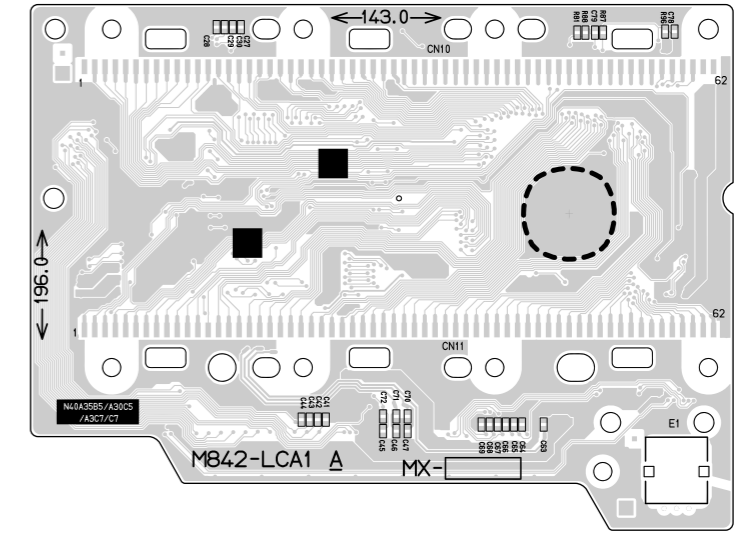
Main PCB: M842-MDA1



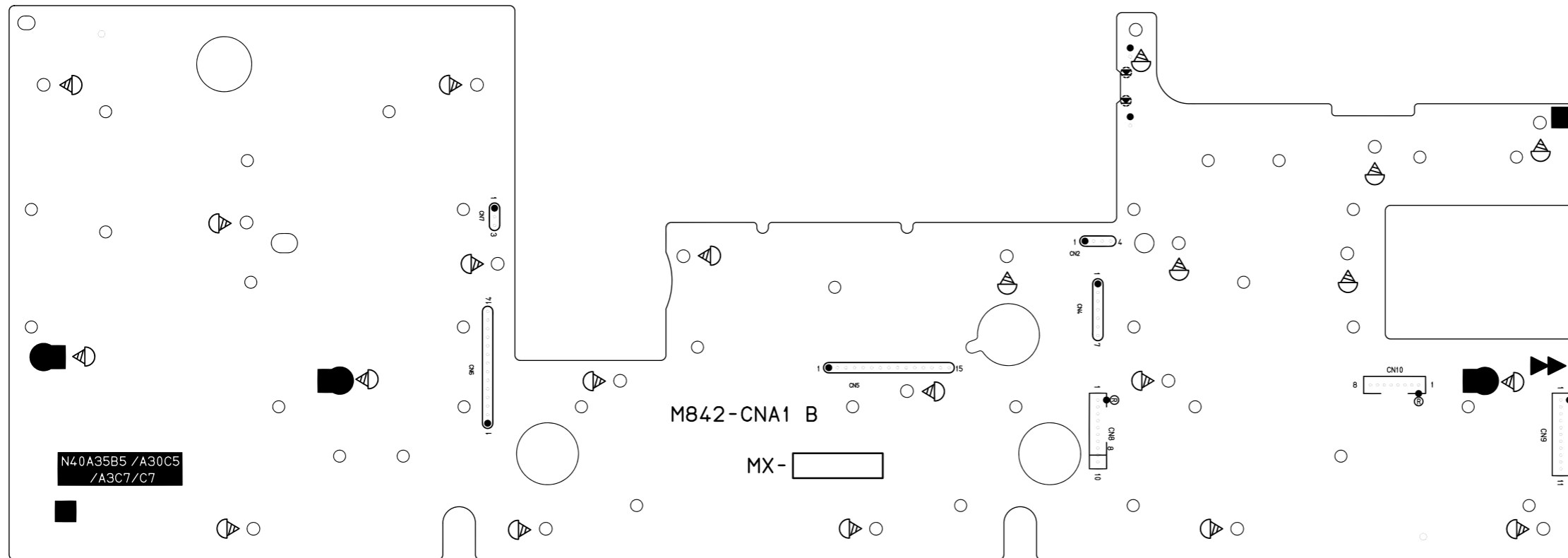
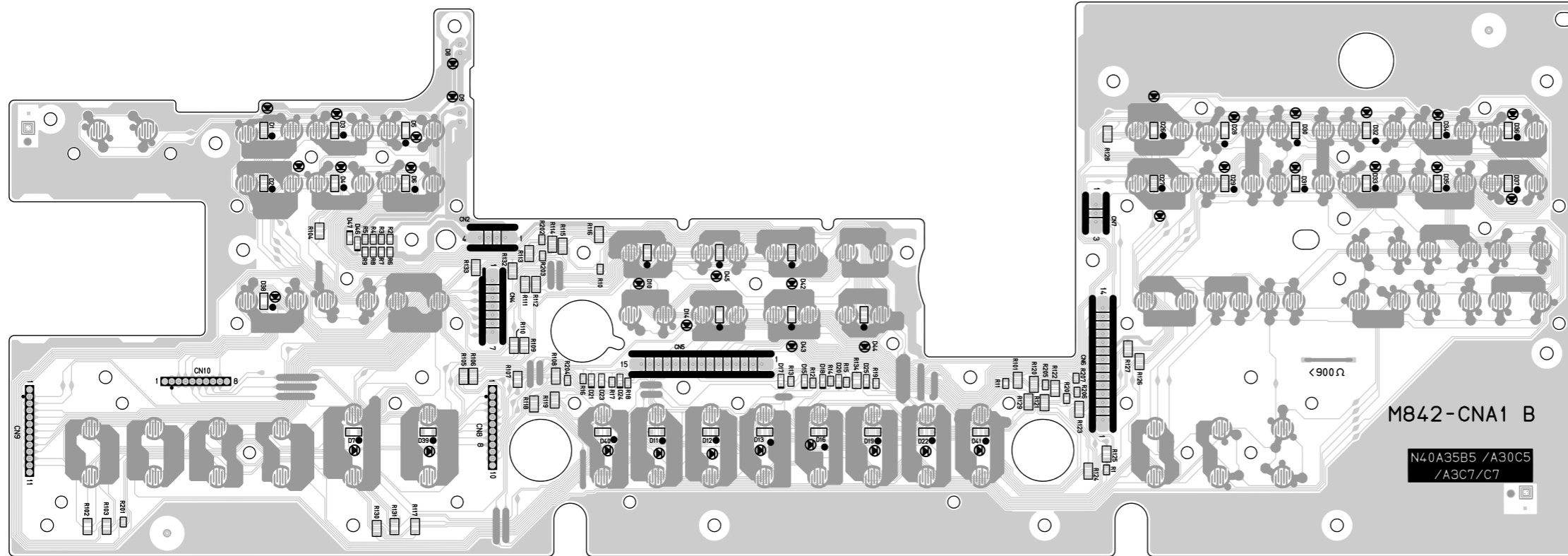
Power & Amp PCB: M842-PSA1



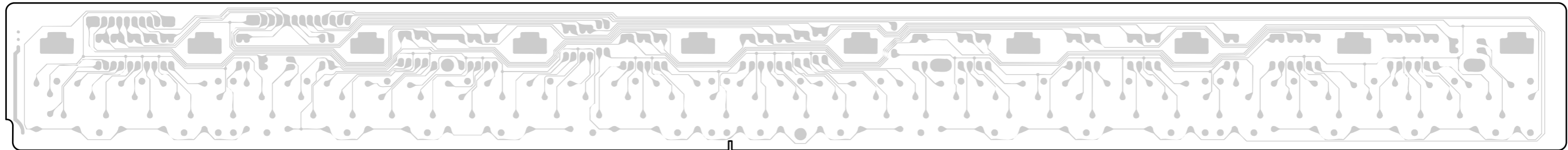
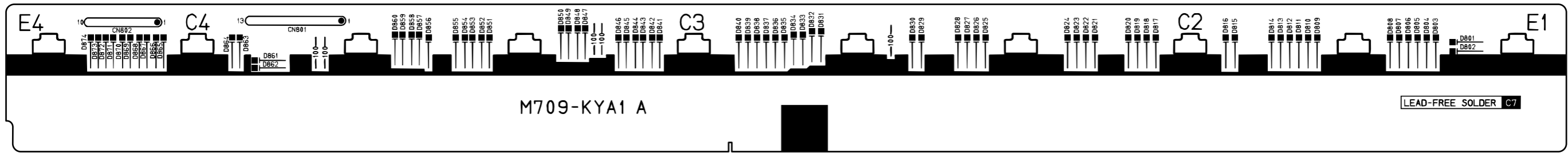
Console PCB: M842-LCA1



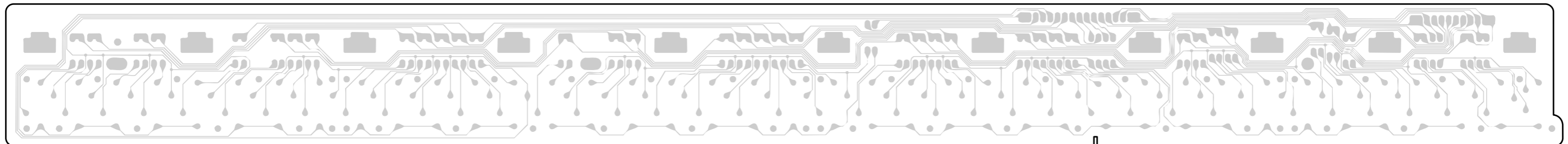
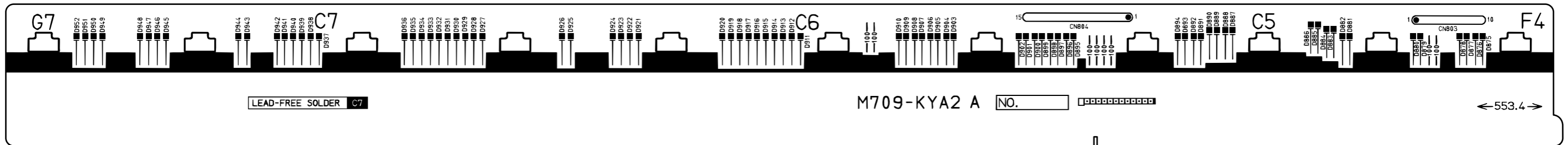
Console PCB: M842-CNA1



Keyboard PCB: M709-KYA1



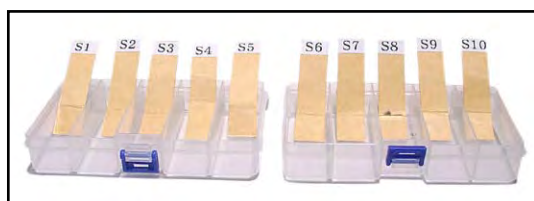
Keyboard PCB: M709-KYA2



## DISASSEMBLY

### ■ CAUTION

- The photos show a prototype. The appearance of the instrument, such as color, may differ from the actual model.
- To avoid damages to the instrument and the floor, lay the instrument on a mattress or blanket before starting disassembling.
- There are several kinds of screws. Be sure to use the correct type of screws when reassembling. It is advisable to sort the screws as shown below after removing them.



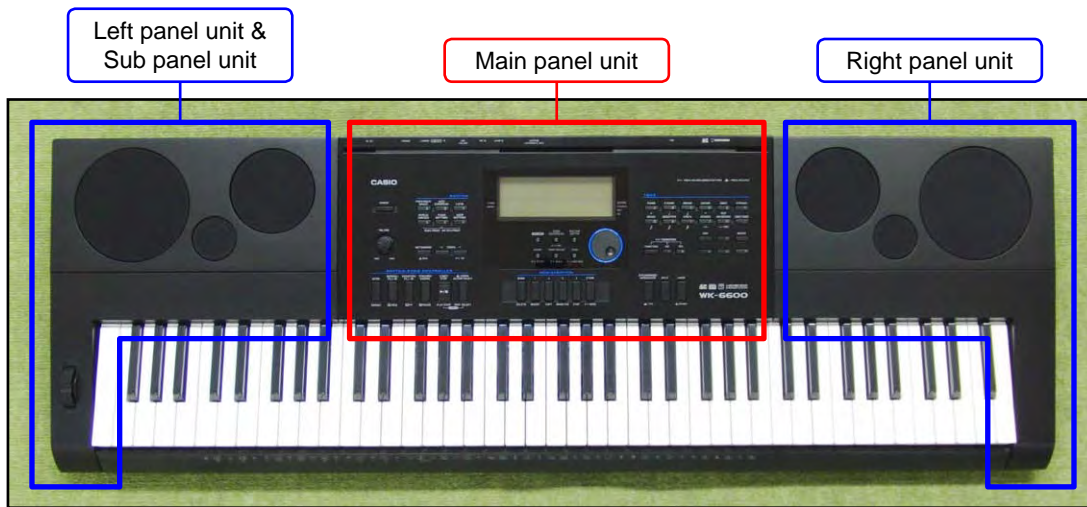
- If a screw cap is attached to a screw, be sure to reattach the screw cap when reassembling.

### ■ BEFORE STARTING REPAIR OR SERVICING

- Remove the AC adaptor, AC cord or batteries.
- Remove accessories such as the music stand.

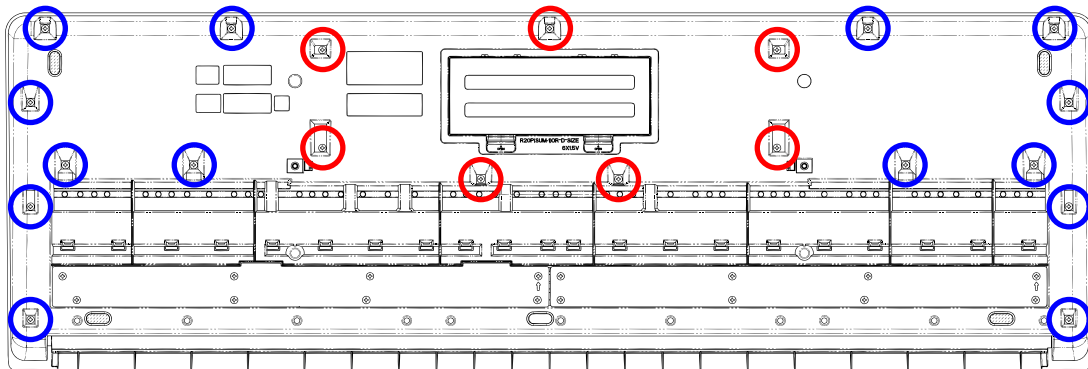
## ■ DISASSEMBLY PROCEDURE

### A. REMOVE THE PANEL UNITS



A-1. Undo 21 or seven screws on the bottom surface of the main unit.

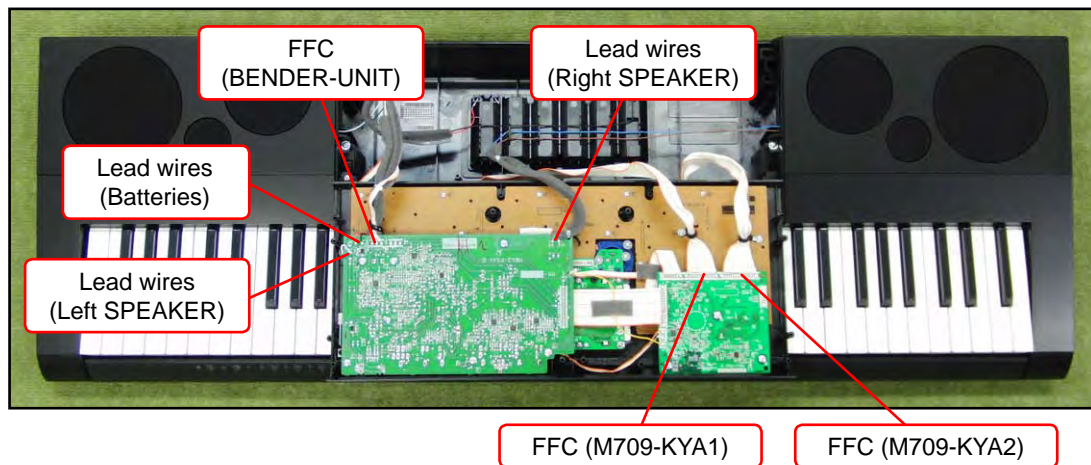
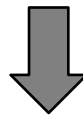
**NOTE:** To remove only the main panel unit, undo seven screws indicated with red circles in the illustration below.



A-2. Place the main unit with the keys facing up.

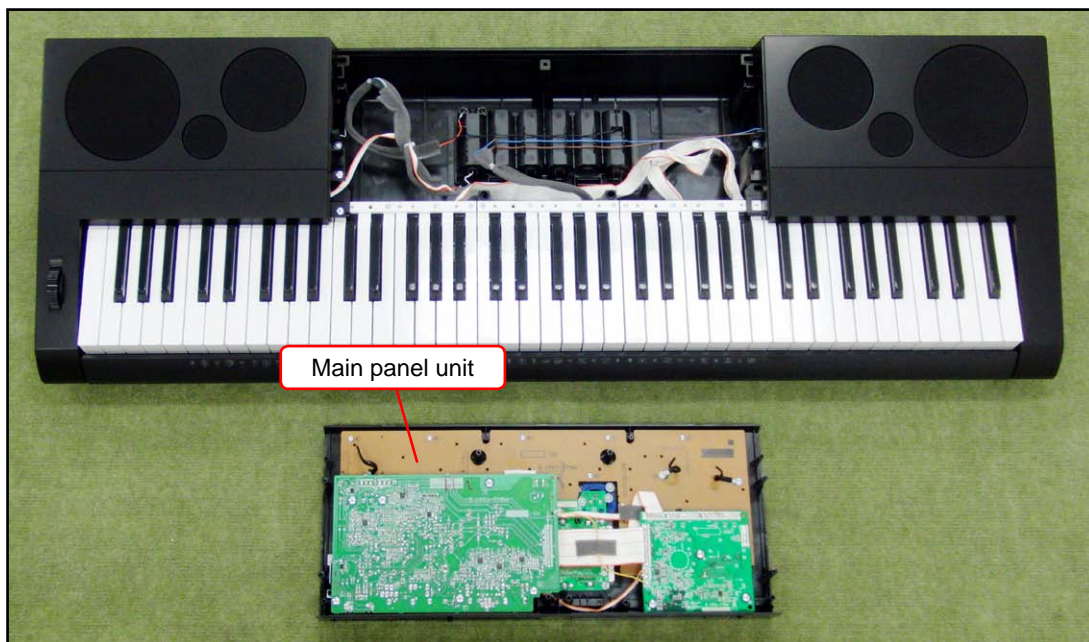
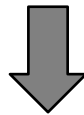
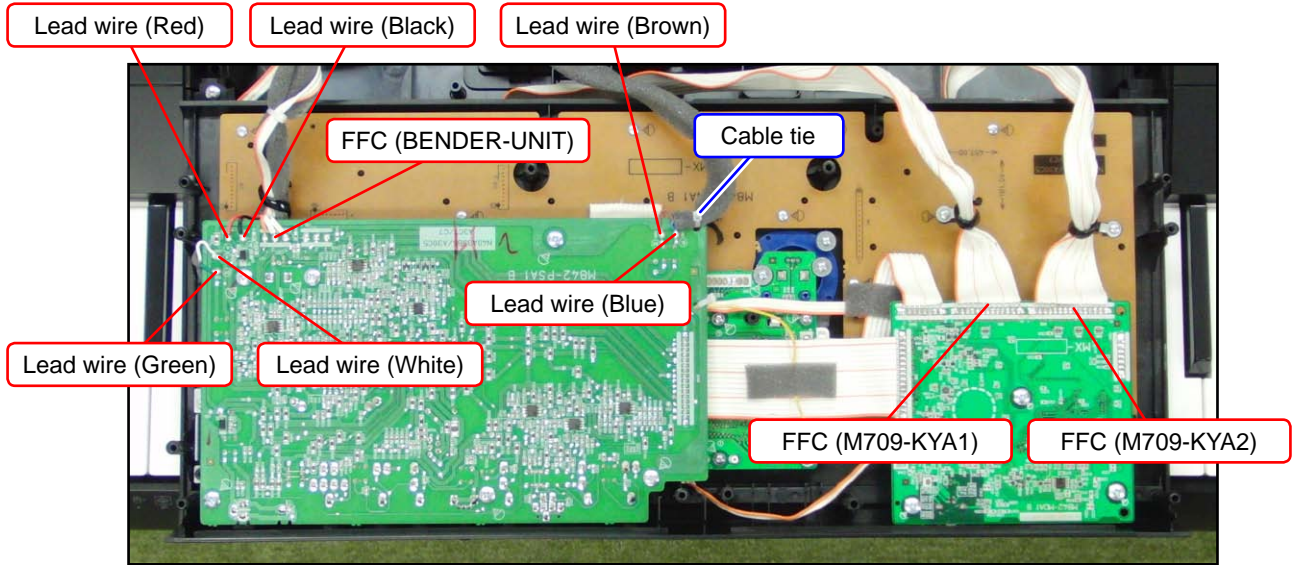
A-3. Lift the main panel unit and turn it over.

**NOTE:** The main panel unit is connected to the lower case unit with the lead wires and FFCs.  
Use caution when turn over the main panel unit.



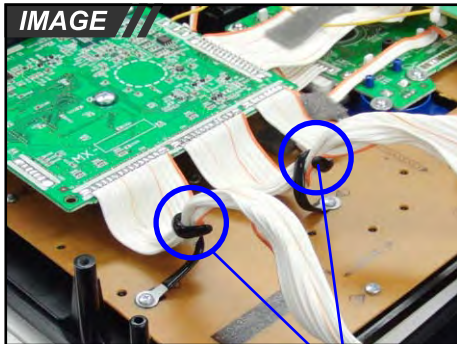
A-4. Unsolder six lead wires and three FFCs.

A-5. Remove the main panel unit.

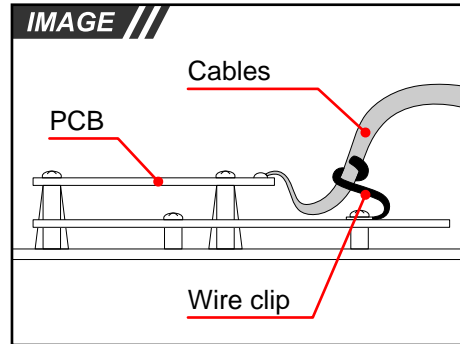


**<Notes On Assembly>**

- Use the wire clip as shown in the illustration below to arrange the position of the FFCs and the lead wires in a way that they are upright against the PCB.



Wire clips

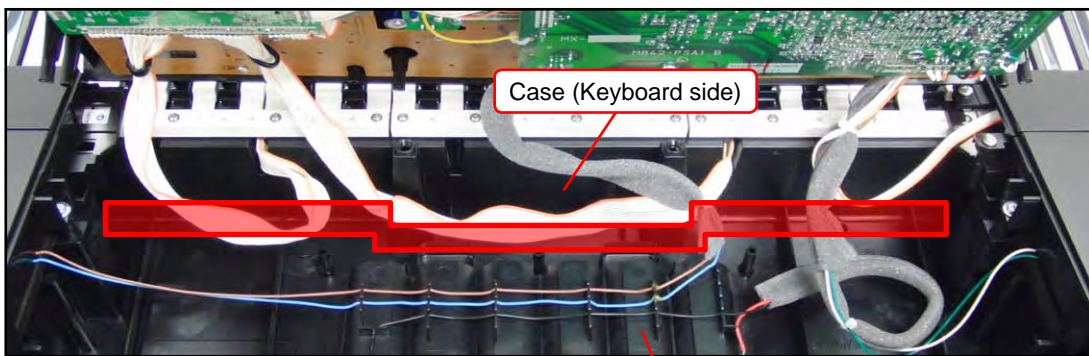


Wire clip

Wire clips

- Arrange the FFCs and lead wires so that they are positioned in the space indicated with a red rectangle in the photo below.

**NOTE:** Arrange the FFCs and lead wires between the battery box and the case (keyboard side).



Battery box

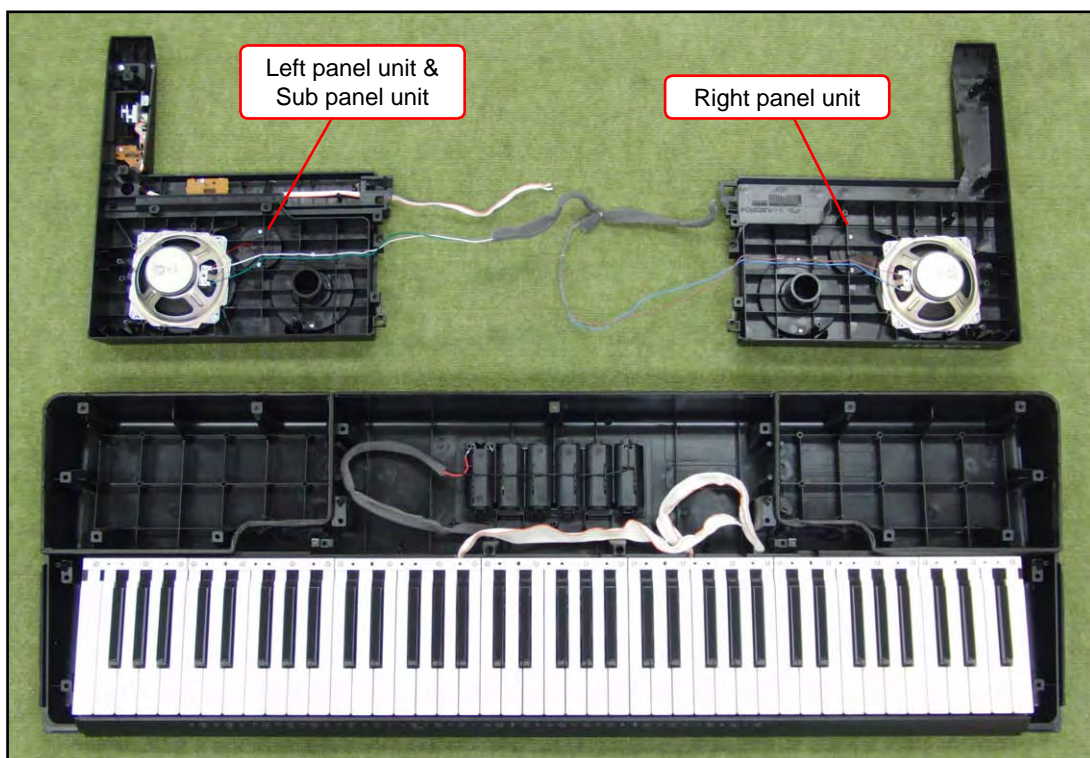
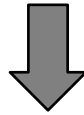
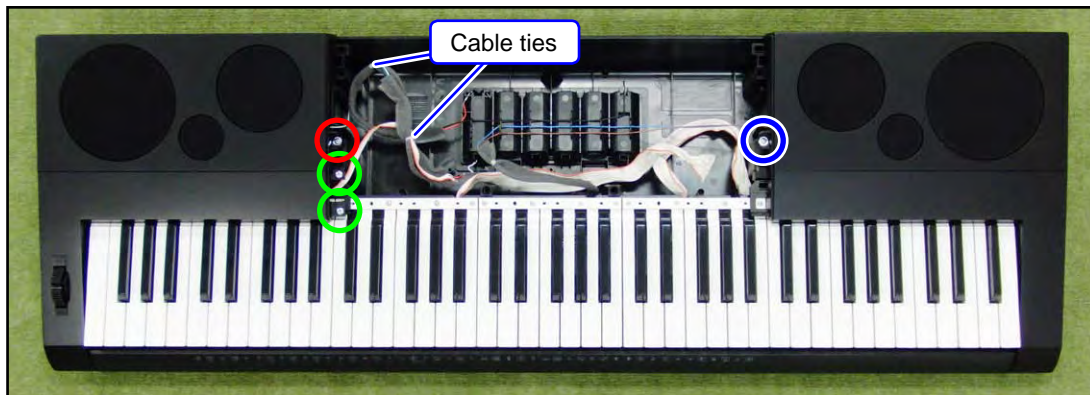


A-6. Undo four screws and then remove the left panel unit, right panel unit and sub panel unit.

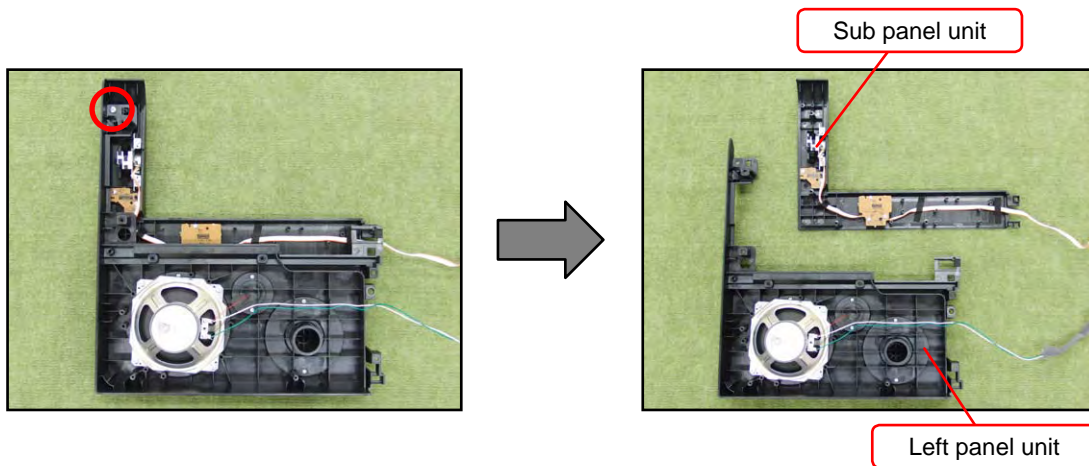
**NOTE:** To remove the left panel unit or sub panel unit, undo three screws indicated with red circle and green circles in the illustration below.

There are two types of screws. Be sure to use the correct screw when reassembling.

**NOTE:** To remove only the right panel unit, undo one screw indicated with blue circle in the illustration below.



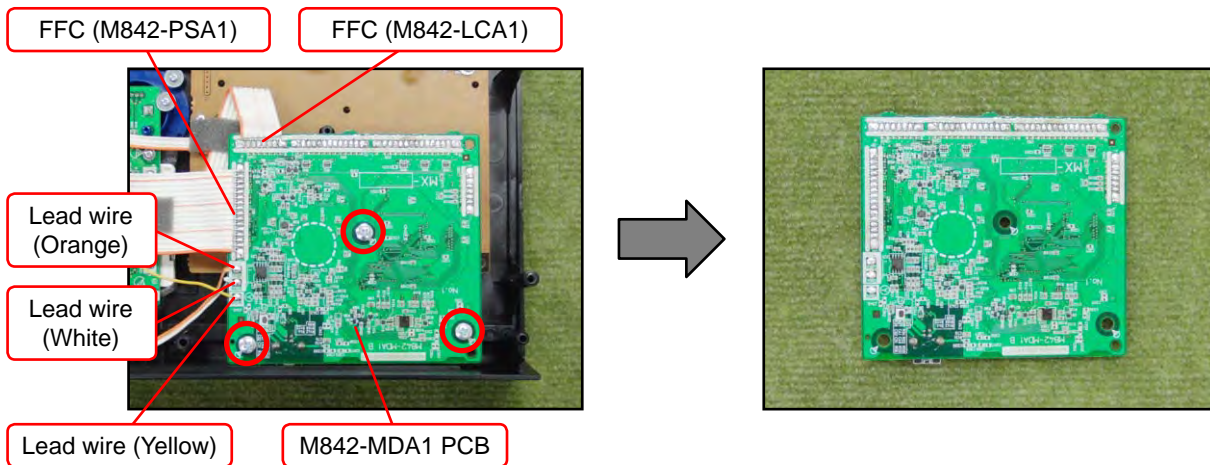
A-7. Undo one screw and then remove the sub panel unit from the left panel unit.



## B. REMOVE THE M842-MDA1 PCB

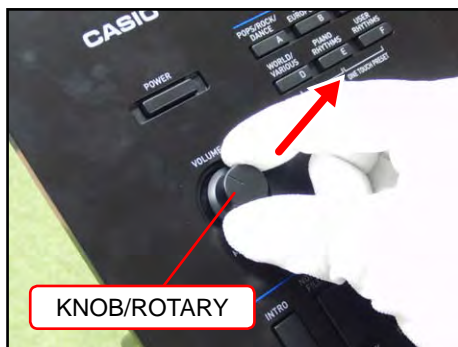
B-1. Unsolder two FFCs and three lead wires.

B-2. Undo three screws and then remove the M842-MDA1 PCB.



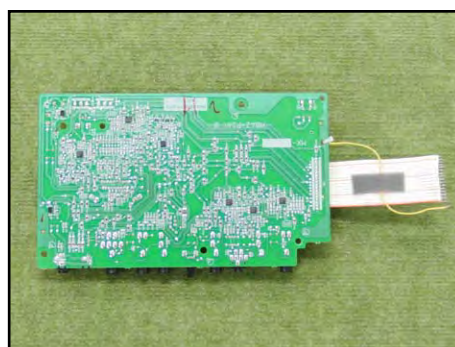
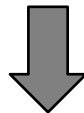
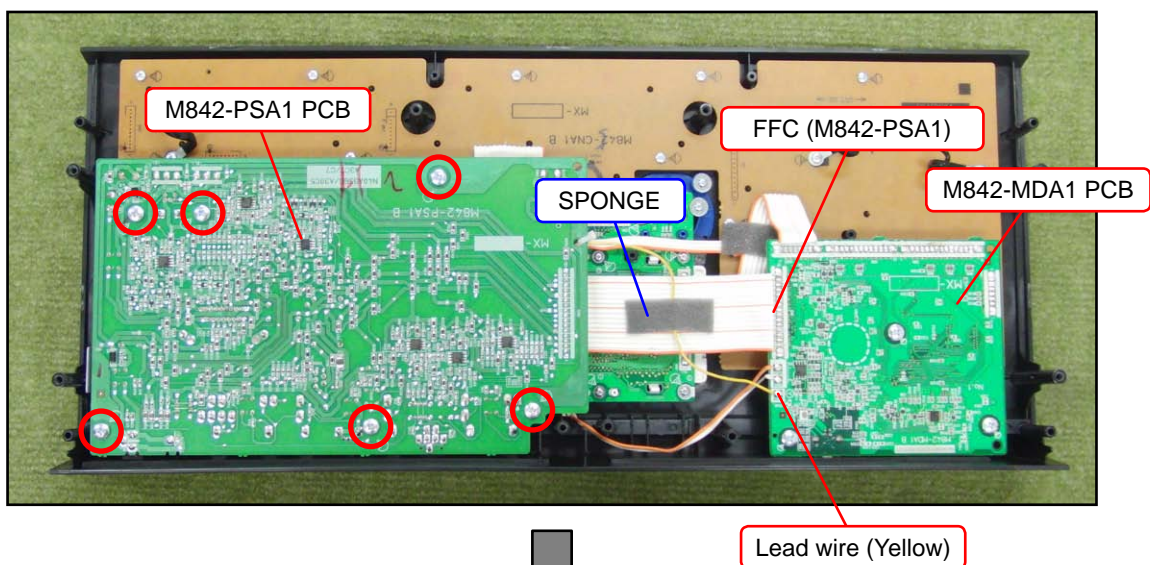
## C. REMOVE THE M842-PSA1 PCB

C-1. Remove the KNOB/ROTARY.



C-2. Unsolder one FFC and one lead wire.

C-3. Undo six screws and then remove the M842-PSA1 PCB.



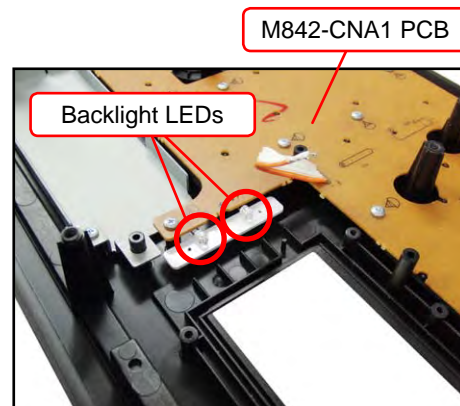
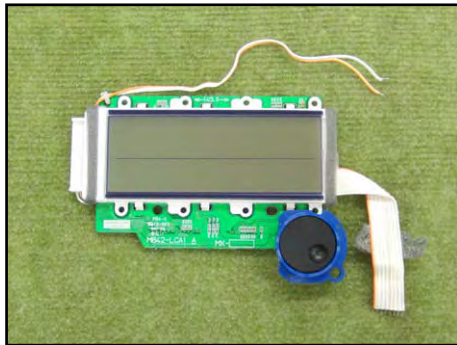
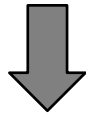
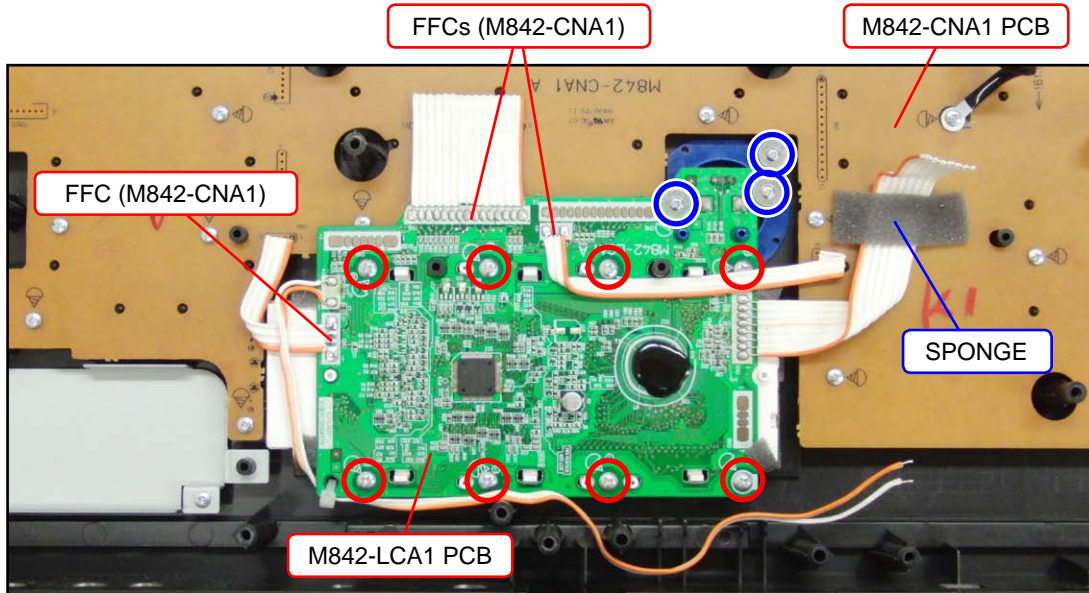
## D. REMOVE THE M842-LCA1 PCB

**NOTE:** The backlight LED for the LCD is not mounted on the M842-LCA1 PCB. The LED is mounted on the M842-CNA1 PCB.

D-1. Unsolder three FFCs.

D-2. Undo 11 screws and remove the M842-LCA1 PCB together with the backlight unit and dial.

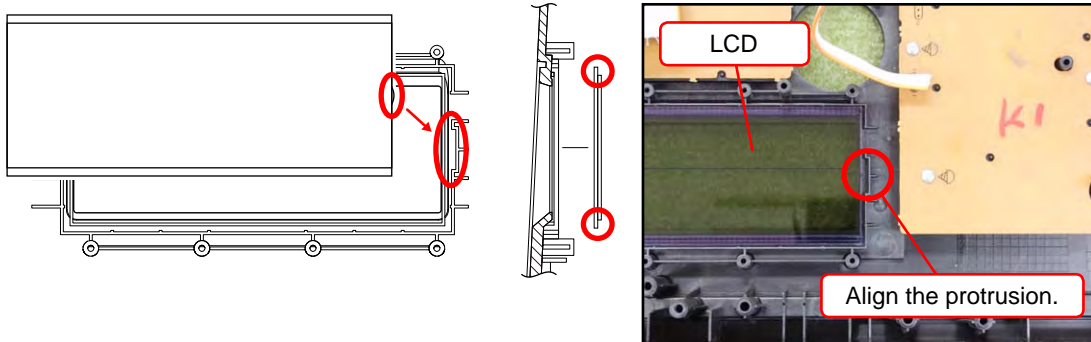
**NOTE:** There are two types of screws. Be sure to use the correct screw when reassembling.



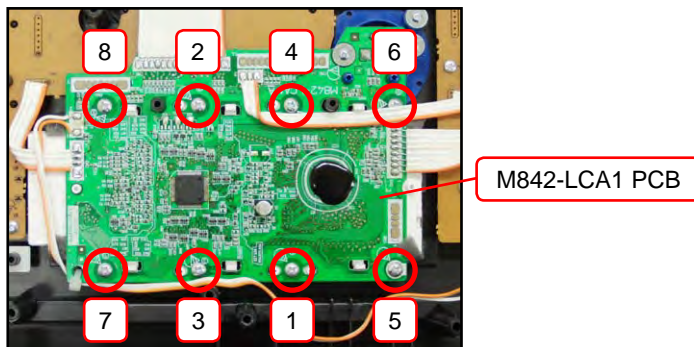
**<Notes On Assembly>**

- Assemble the LCD into the case before assembling the M842-LCA1 PCB. In doing so, be sure that the LCD is assembled in the correct orientation.

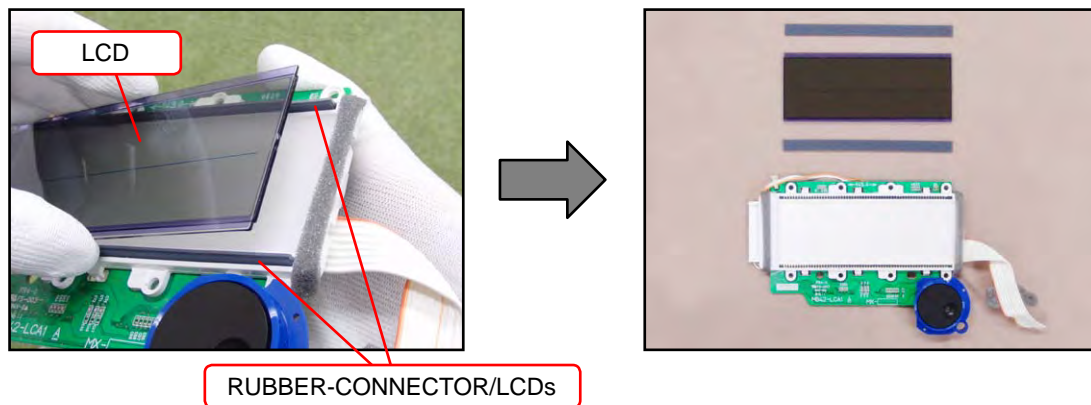
**NOTE:** When assembling the LCD and M842-LCA1 PCB, make sure that the LCD surfaces are free from dust and dirt.



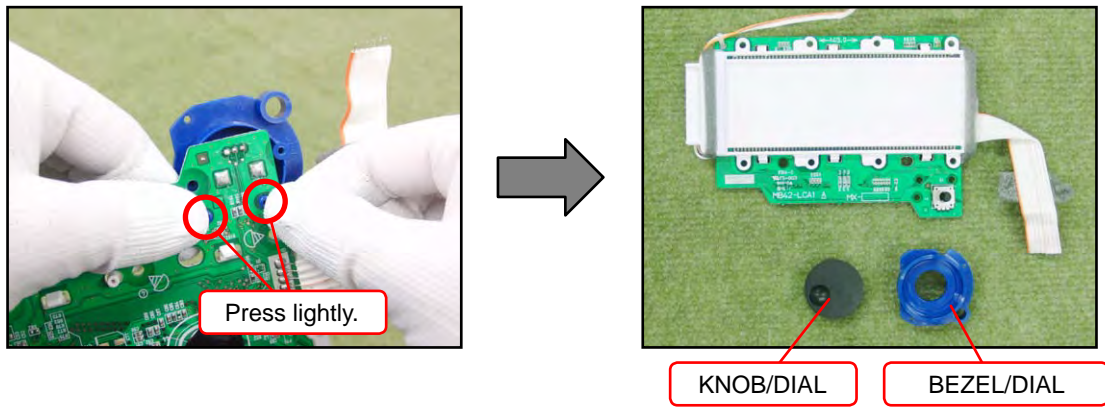
- To install the M842-LCA1 PCB, tighten the screws for the LCD part in the order indicated with the numbers below. If not tighten correctly, it may cause the LCD display errors.



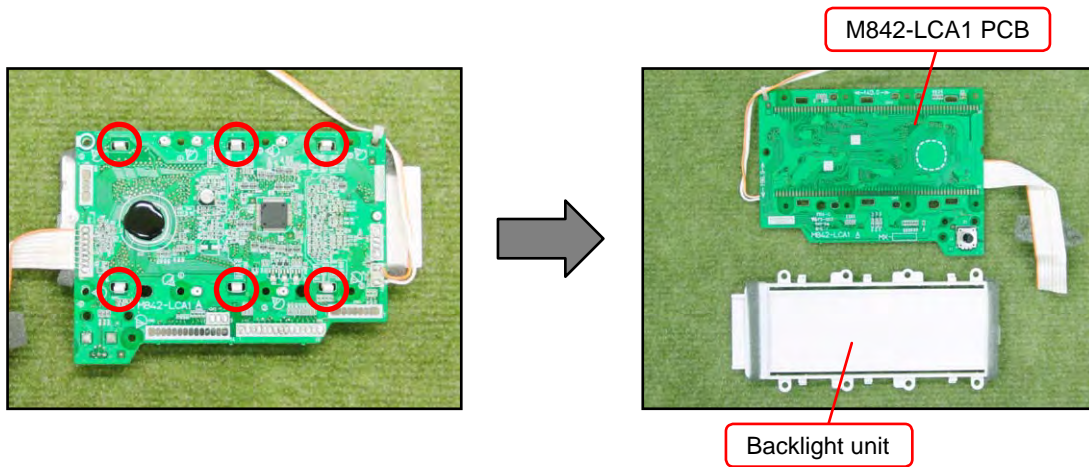
D-3. Remove the LCD and two RUBBER-CONNECTOR/LCDs.



D-4. Remove the KNOB/DIAL and BEZEL/DIAL.



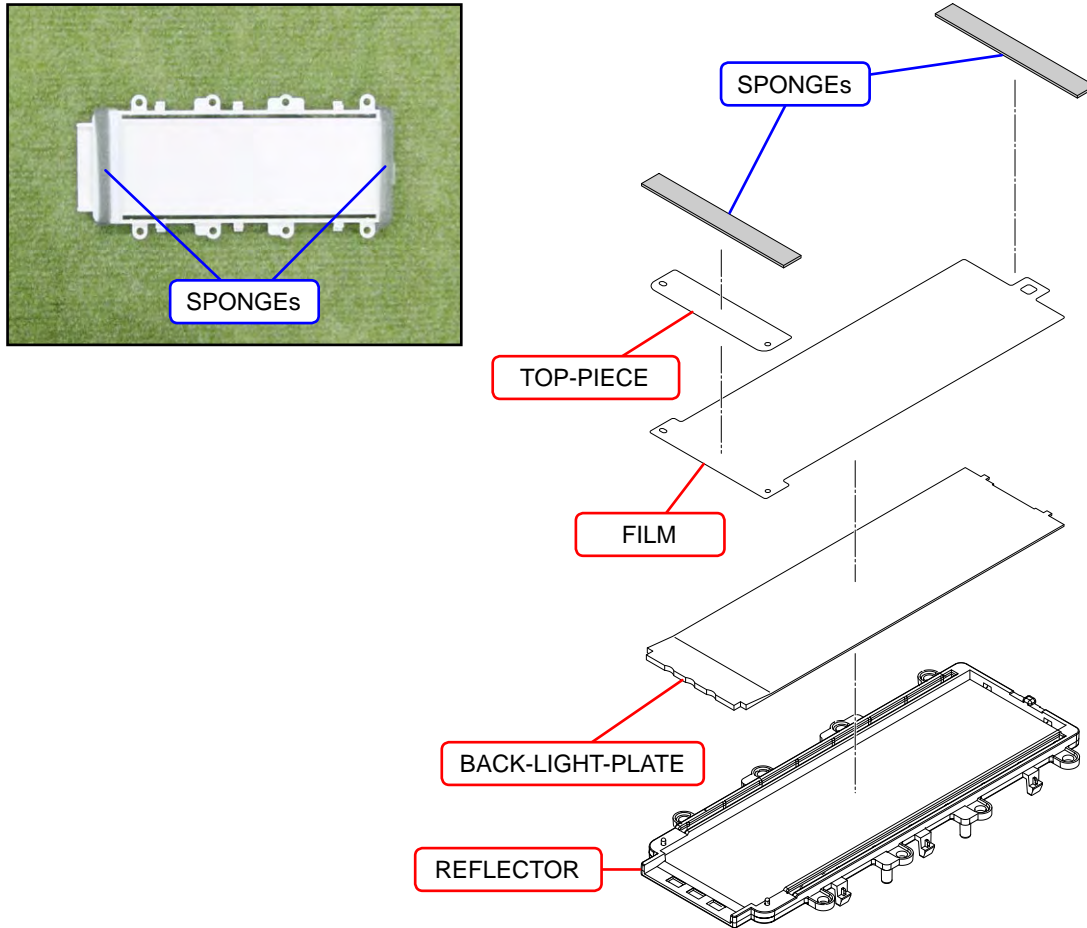
D-5. Disengage six hooks and then remove the M842-LCA1 PCB and backlight unit.



## E. DISASSEMBLY OF THE BACKLIGHT UNIT

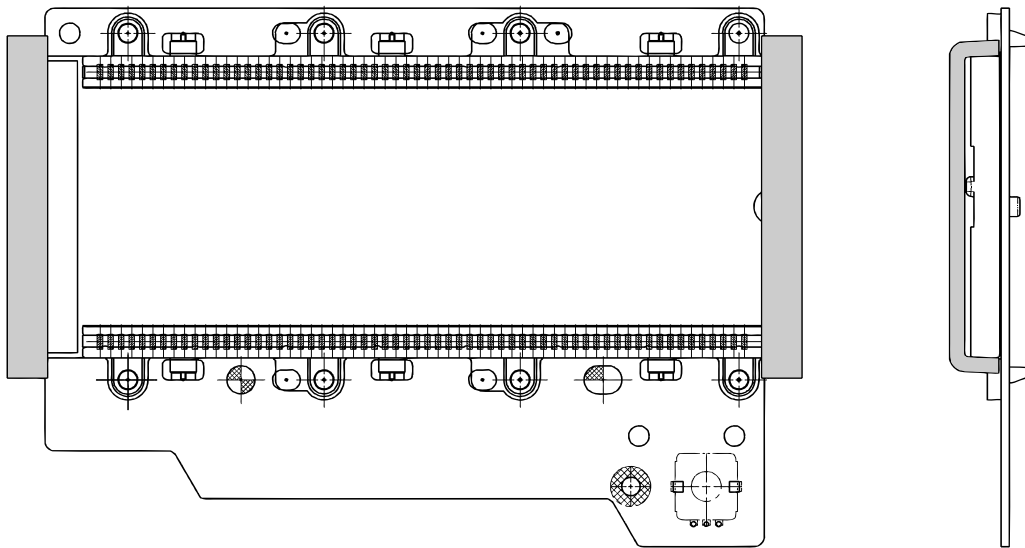
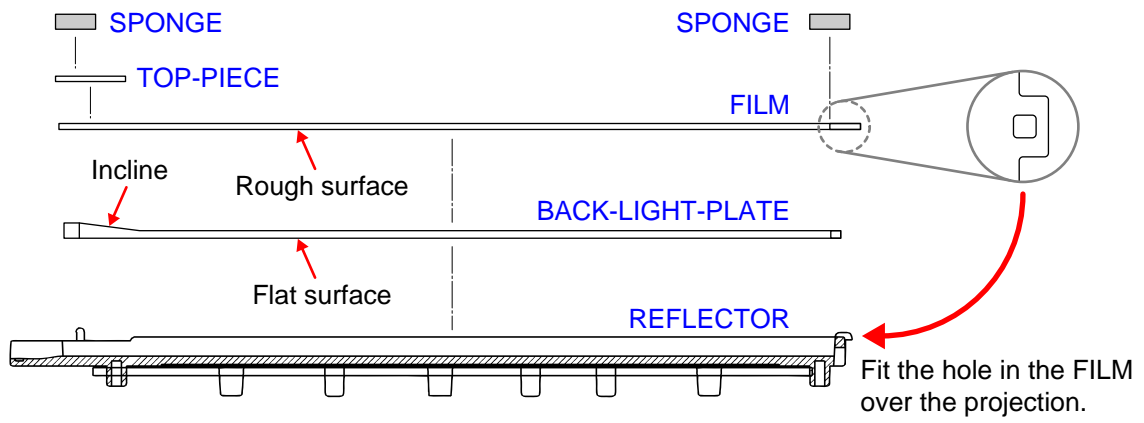
**NOTE:** The backlight LED for the LCD is not mounted on the backlight unit. The LED is mounted on the M842-CNA1 PCB.

E-1. Remove two SPONGEs and then remove the TOP-PIECE, FILM, BACK-LIGHT-PLATE and REFLECTOR.



**<Notes On Assembly>**

- Assemble the components for the backlight unit as illustrated below.

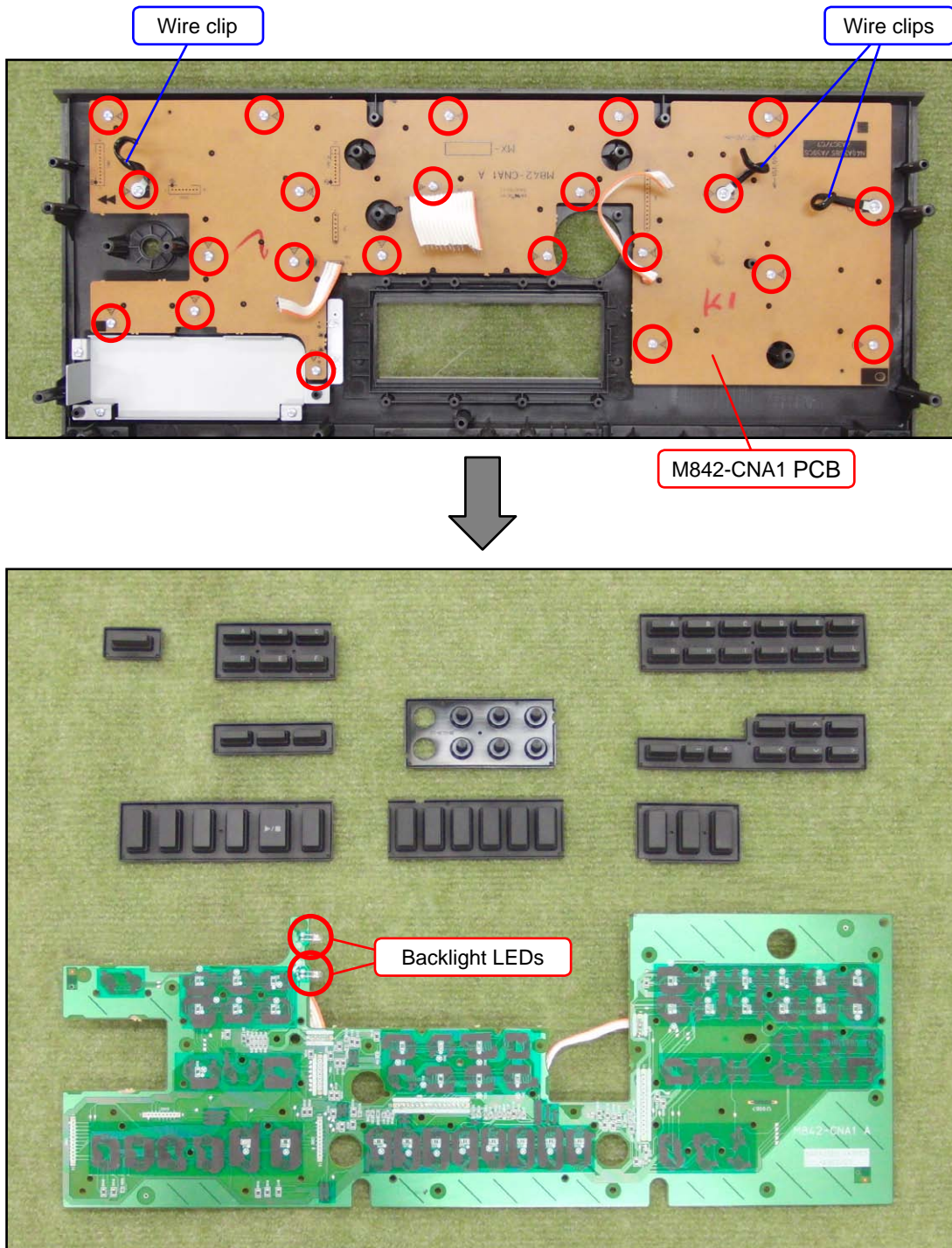




## F. REMOVE THE M842-CNA1 PCB

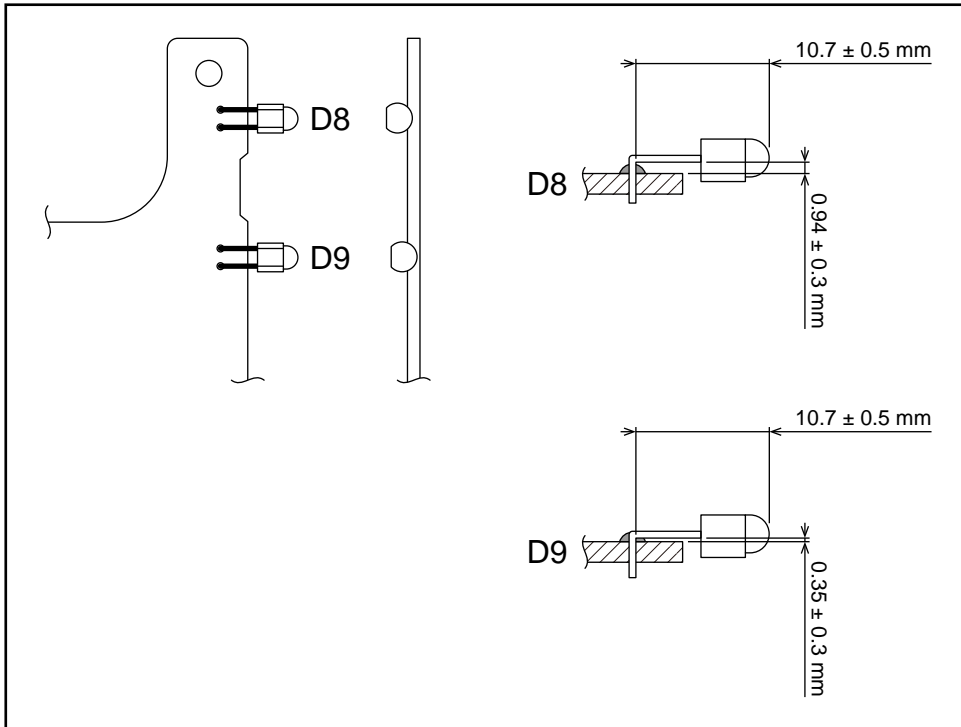
F-1. Undo 22 screws and then remove the M842-CNA1 PCB and RUBBER-BUTTONS.

**NOTE:** Handle the M842-CNA1 PCB carefully, for the backlight LED for the LCD is mounted on it.



**<Caution When Replacing With A New Parts>**

- Mount the LED as shown below while paying attention to the polarity.



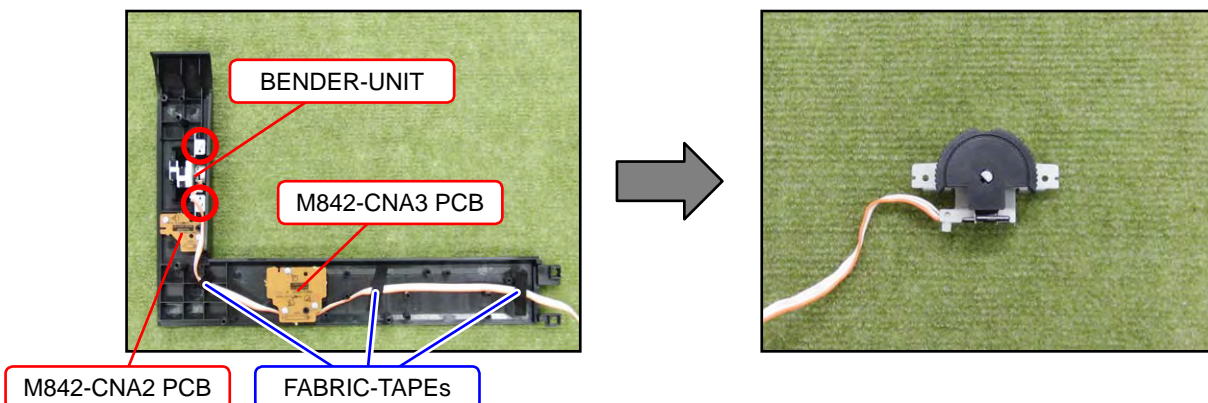
**<Notes On Assembly>**

- When assembling with the screws, be sure to tighten them together with coating clips.

**G. REMOVE THE BENDER-UNIT**

**NOTE:** Neither the M842-CNA2 PCB nor M842-CNA3 PCB functions as a circuitry board.

G-1. Undo two screws and then remove the BENDER-UNIT.

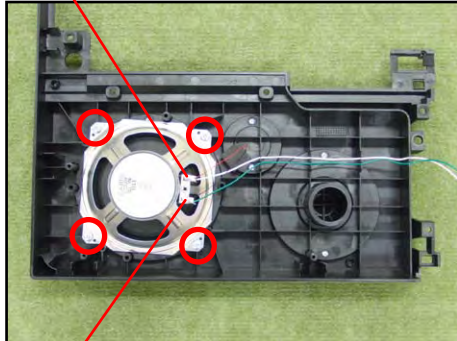


## H. REMOVE THE SPEAKER

- H-1. Unsolder four lead wires.
- H-2. Undo four screws and then remove the SPEAKER.

<Left SPEAKER>

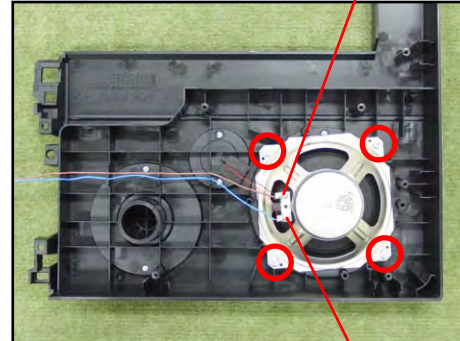
Lead wires (Red & White)



Lead wires (Black & Green)

<Right SPEAKER>

Lead wires (Black & Brown)



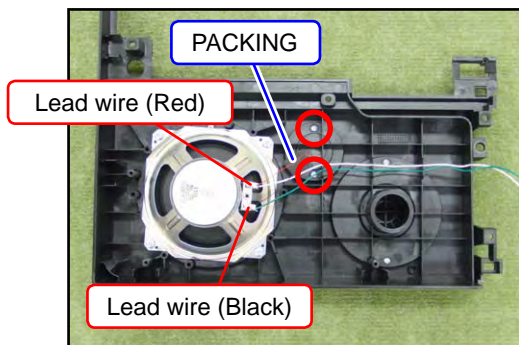
Lead wires (Red & Blue)

## I. REMOVE THE BUZZER (TWEETER)

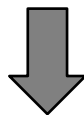
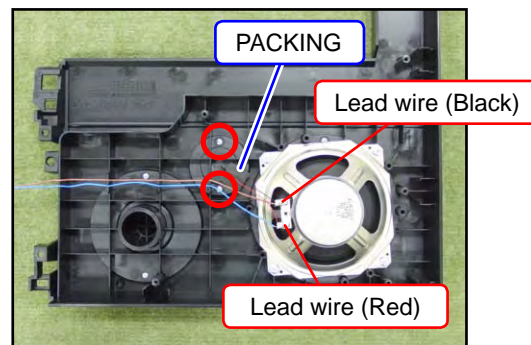
- I-1. Unsolder two lead wires.
- I-2. Undo two screws and then remove the SPEAKER-COVER/TWEETER.

**NOTE:** In case the SPEAKER-COVER/TWEETER does not come off easily, insert tweezers in the screw hole and press the part lightly from inside.

<Left BUZZER>



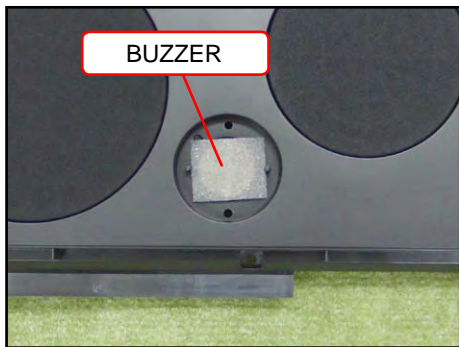
<Right BUZZER>



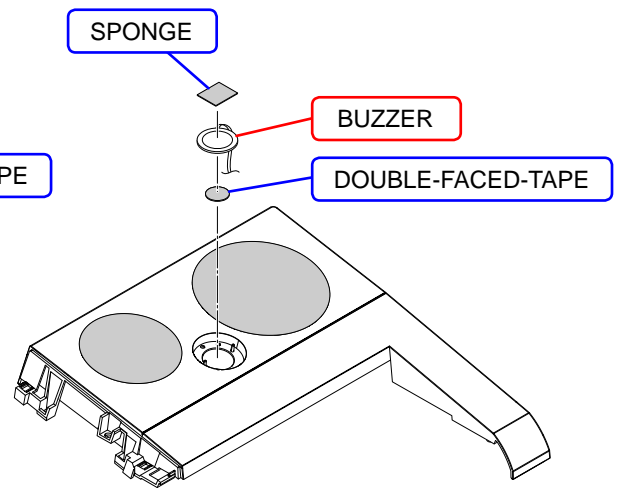
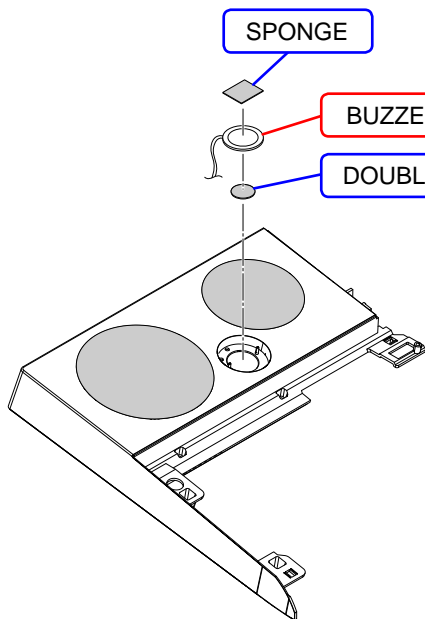
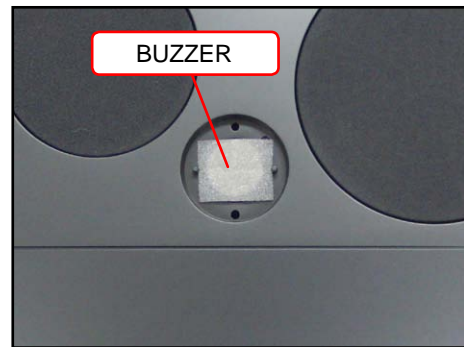
I-3. Remove the BUZZER.

**NOTE:** It is secured with the DOUBLE-FACED-TAPE.

<Left BUZZER>



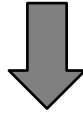
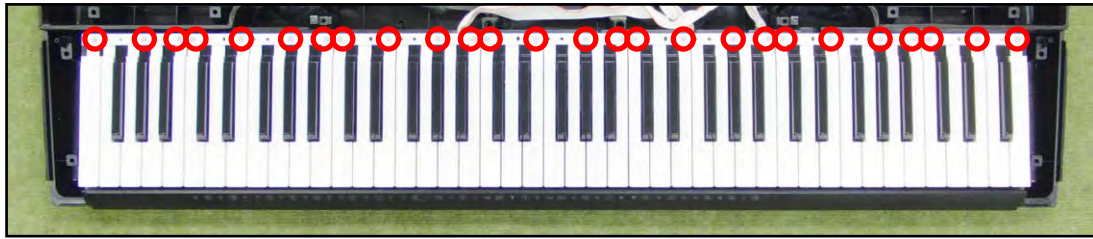
<Right BUZZER>



## J. REMOVE THE KEYBOARD

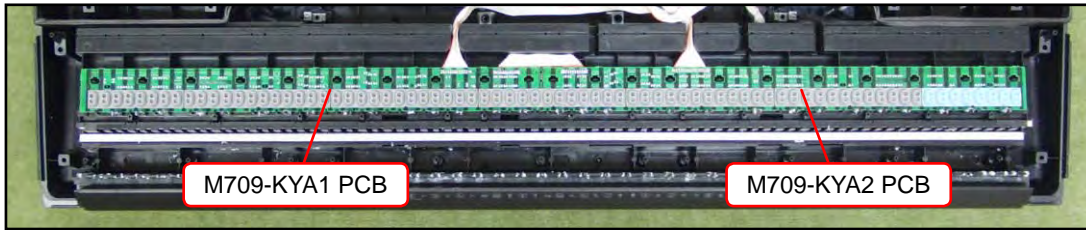
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J-1. Undo 26 screws and then remove the KEYS.

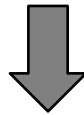
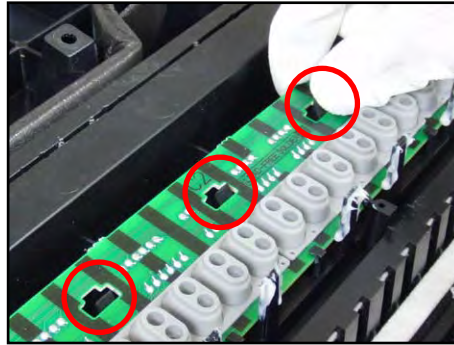


## K. REMOVE THE M709-KYA1/KYA2 PCBs

---

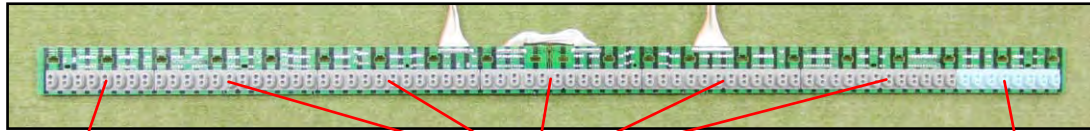


K-1. Disengage the hooks and then remove the M709-KYA1/KYA2 PCBs.



K-2. Remove five RUBBER-CONTACTs.

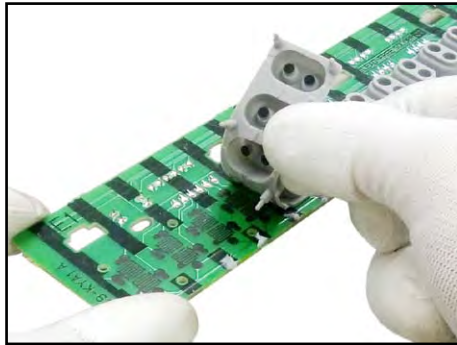
**NOTE:** There are three types of rubber contact strips with differing lengths.






RUBBER-CONTACT/SEB

RUBBER-CONTACT/CB

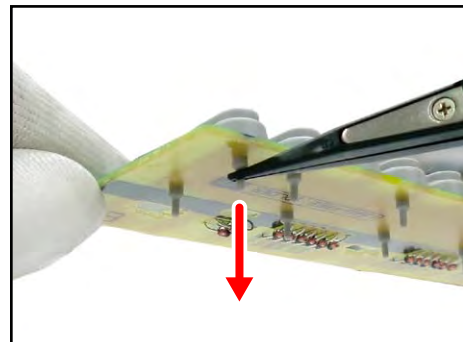
RUBBER-CONTACT/CSG



Parts Name	Color	Length	Image
RUBBER-CONTACT/SEB	Grey	106.15 mm	
RUBBER-CONTACT/CB	Grey	162.10 mm	
RUBBER-CONTACT/CSG	Blue	109.10 mm	

**<How To Install RUBBER-CONTACT>**

- Lightly insert the tip of a RUBBER-CONTACT into the PCB. Pull the tip from the back of the PCB and install it using a tool such as tweezers. Do not forcibly pull it.



# DIAGNOSTIC PROGRAM

## ■ PREPARATION

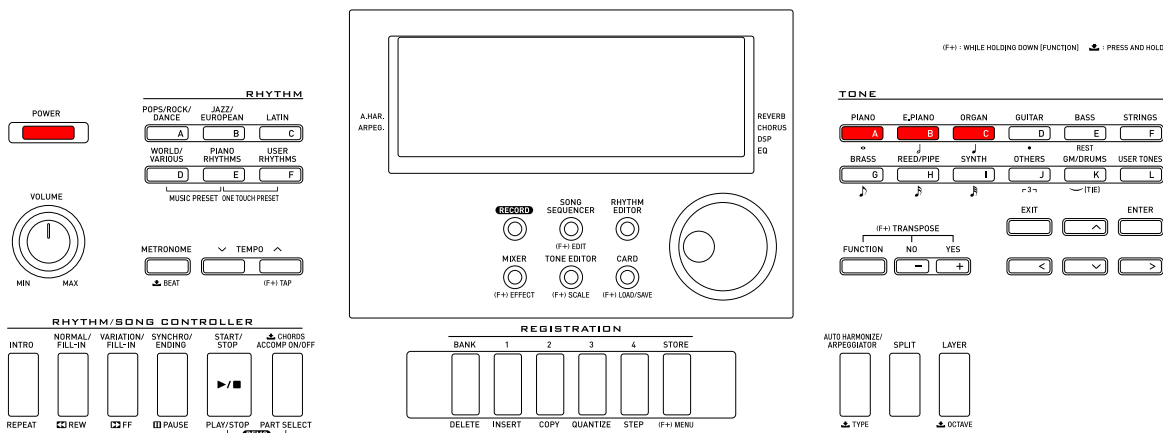
- Connect the AC adaptor.  
**NOTE:** “AC ADAPTOR CHECK” cannot be performed unless the AC adaptor is connected.
- Turn the main volume to the maximum.
- Insert an SD card into the card slot.  
**NOTE:** Use an SD card or SDHC card with a capacity of 32 GB or less.  
**NOTE:** “SD CARD CHECK” cannot be performed unless the card is inserted.
- Have a PC and a USB cable ready.  
**NOTE:** “USB CHECK” cannot be performed without a PC and a USB cable.

Operating System:

- Windows® XP (SP2 or later) \*1 / Windows Vista® \*2 / Windows 7® \*3
  - Mac OS® X (10.3.9, 10.4.11, 10.5.X, 10.6.X, 10.7.X)
- \*1: Windows XP Home Edition / Windows XP Professional (32 bit)  
\*2: Windows Vista (32 bit)  
\*3: Windows 7 (32 bit, 64 bit)

## ■ HOW TO START THE DIAGNOSTIC PROGRAM

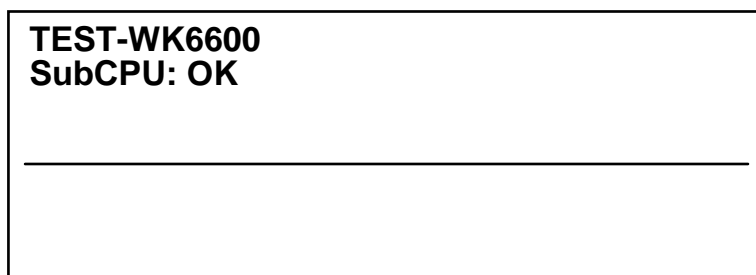
- Hold down the “TONE [A]”, “TONE [B]” and “TONE [C]” buttons at the same time, to turn the power ON.  
**NOTE:** Be sure to turn OFF the power when the test is finished.



- Release the “TONE [A]”, “TONE [B]” and “TONE [C]” buttons.
- Once the diagnostic program is launched, “MODEL CHECK” and “SUB CPU CHECK” are performed automatically, and then the result is displayed.

### <Testing Main Screen>

**NOTE:** After the test is performed even once, the “SUB CPU CHECK” result will not be displayed on the LCD.





## TEST ITEMS

Pressing a test button while on the main screen enables the corresponding test item to be tested.

Test Items	Buttons	Note
A. BUTTON CHECK	TONE [A]	
B. LED CHECK	TONE [L]	
C. LCD CHECK	TONE [B]	
D. ROM CHECK	TONE [E]	
E. RAM CHECK	TONE [F]	
F. ROM VERSION CHECK	TONE [I]	
G. SD CARD CHECK	TONE [G]	SD card
H. USB CHECK	TONE [H]	PC, USB cable
I. AC ADAPTOR CHECK	TONE [K]	AC adaptor

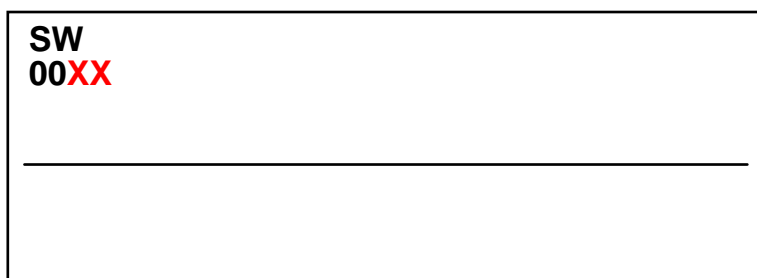
## TEST PROCEDURE

### A. BUTTON CHECK

- A-1. Press the "TONE [A]" button to select the "BUTTON CHECK".
- A-2. Press the button in the order indicated in the illustration below.

#### If the result passes (OK):

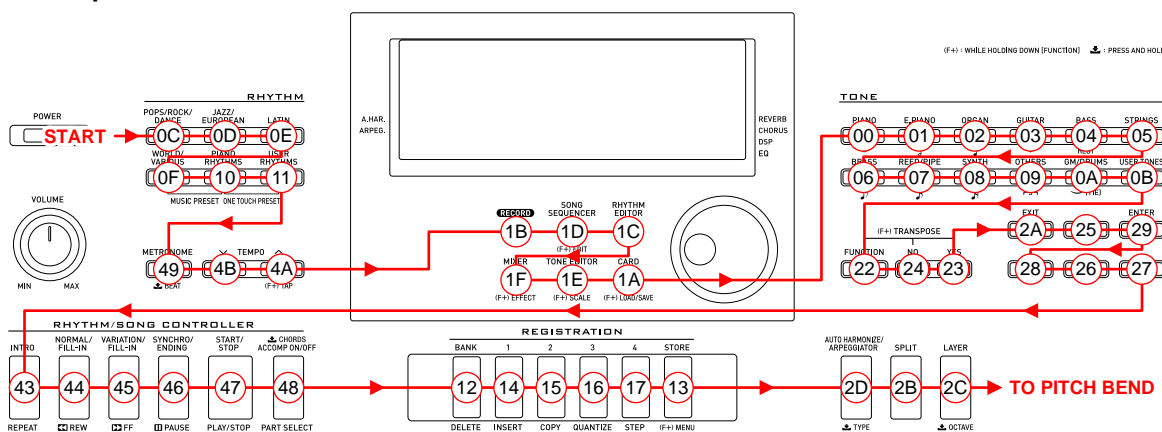
- The confirmation chord sounds and "00XX" is displayed on the LCD with "XX" indicating the corresponding button number in the illustration below.

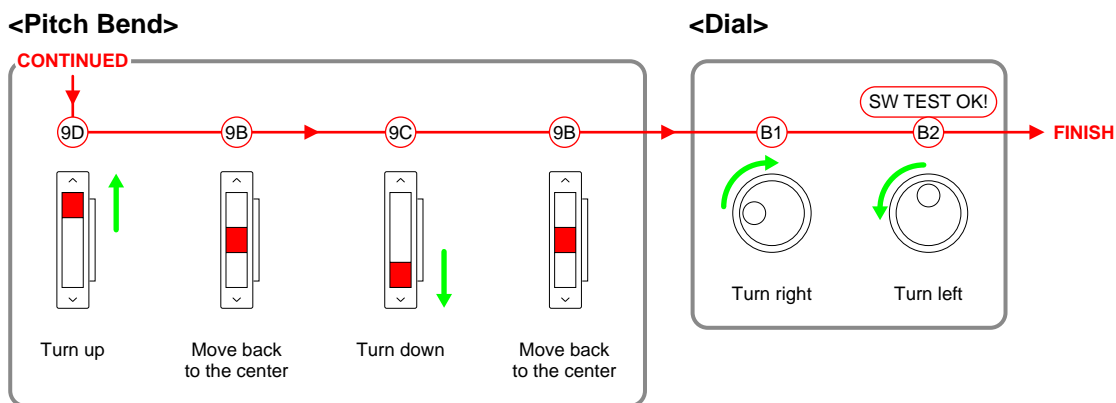


#### If the result fails (NG):

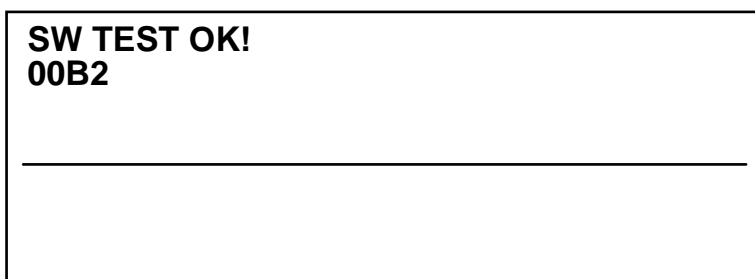
- If there is a button failure or the buttons are pressed in a wrong sequence, an error tone sounds and the button number which you pressed will be displayed on the LCD.

#### <Main panel>





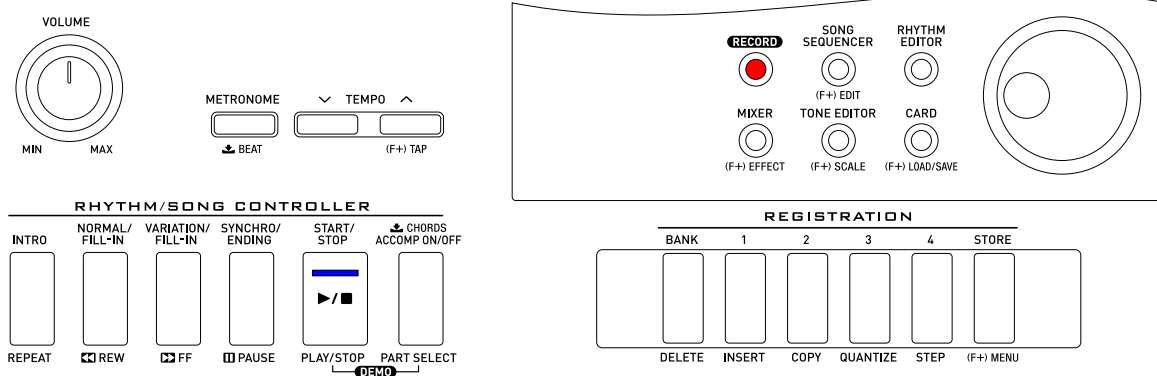
- A-3. When you turn the dial at the end, a confirmation chord sounds and “SW TEST OK!” is displayed on the LCD.
- A-4. Check to see if the LCD is as shown below.



- A-5. Press the “RHYTHM [A]” button to return to the main screen.

## B. LED CHECK

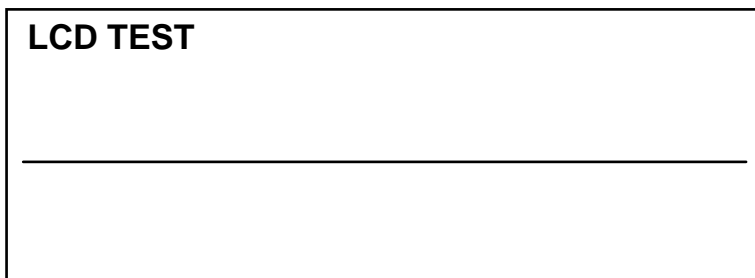
- B-1. Press the “TONE [L]” button to perform the “LED CHECK”.
- B-2. Check to see if the LEDs indicated below are lit.
  - Lit in blue: START/STOP
  - Lit in red: RECORD



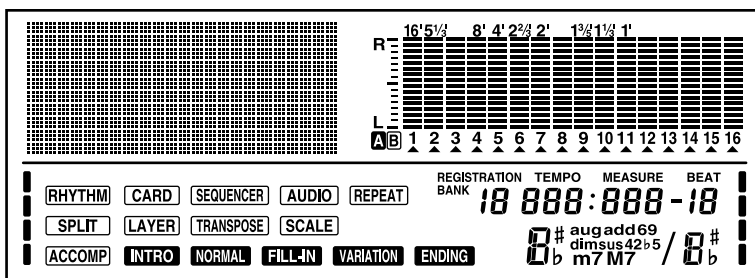
- B-3. Press the “RHYTHM [A]” button to return to the main screen.  
**NOTE:** All LEDs turn off when you return to the main screen.

### C. LCD CHECK

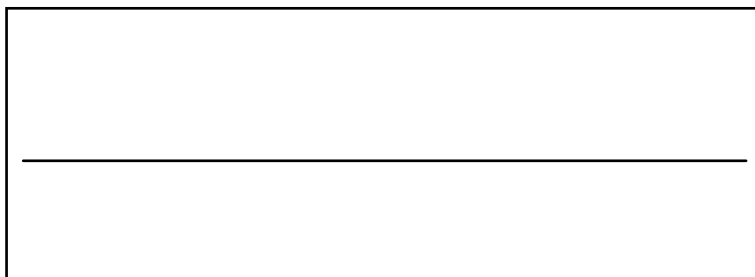
C-1. Press the "TONE [B]" button to select the "LCD CHECK".



C-2. Press the "TONE [B]" button and check to see if all LCDs are lit.



C-3. Press the "TONE [B]" button and check to see if all LCDs are turned off.

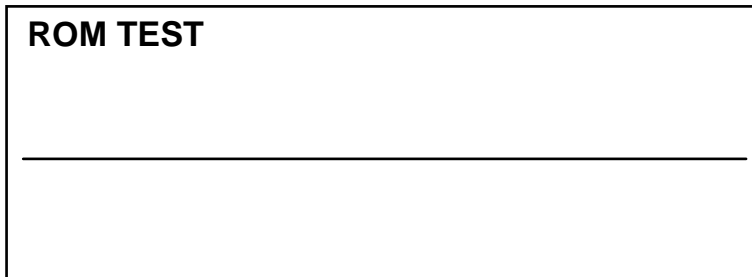


C-4. Press the "RHYTHM [A]" button to return to the main screen.

## D. ROM CHECK

---

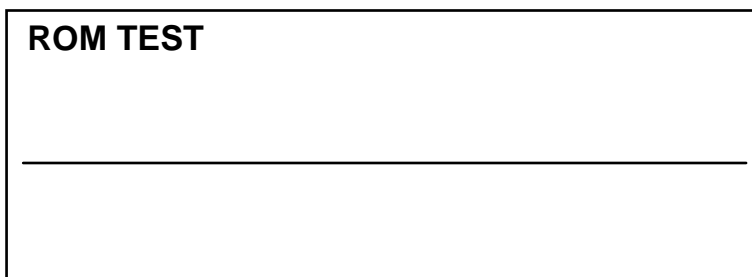
D-1. Press the "TONE [E]" button to select the "ROM CHECK".



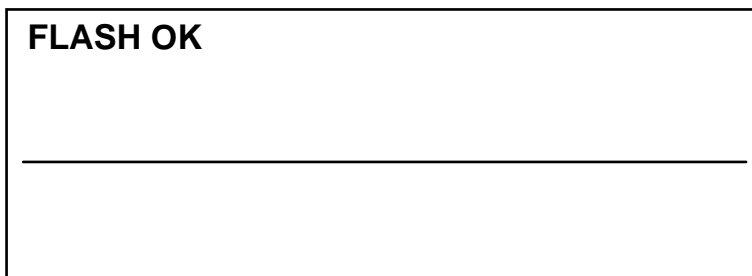
D-2. Press the "TONE [E]" button to perform the check.

**NOTE:** The display remains "ROM TEST" during the check.

**NOTE:** When the check is complete, the confirmation chord sounds and the check result appears.



D-3. Check to see if the LCD is as shown below.

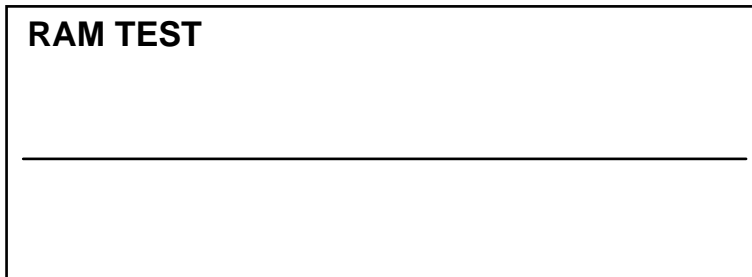


D-4. Press the "RHYTHM [A]" button to return to the main screen.

## E. RAM CHECK

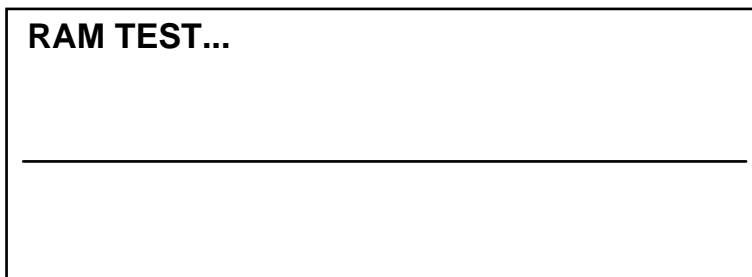
---

E-1. Press the "TONE [F]" button to select the "RAM CHECK".

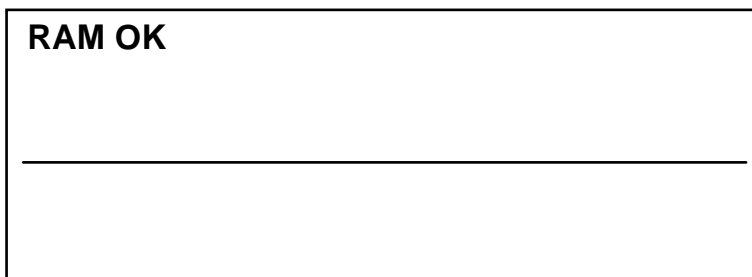


E-2. Press the "TONE [F]" button to perform the check.

**NOTE:** When the check is complete, the confirmation chord sounds and the check result appears.



E-3. Check to see if the LCD is as shown below.



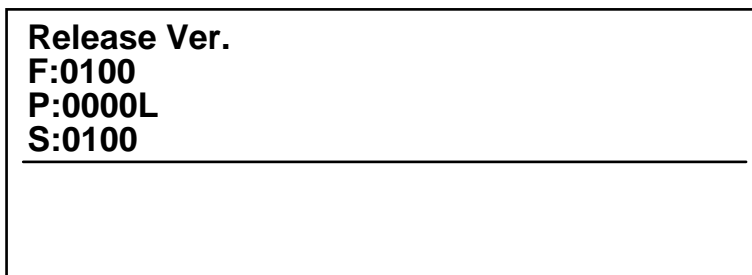
E-4. Press the "RHYTHM [A]" button to return to the main screen.

## F. ROM VERSION CHECK

---

F-1. Press the "TONE [I]" button to perform the "ROM VERSION CHECK".  
The ROM version appears on the LCD.

F-2. Check to see if the LCD is as shown below.

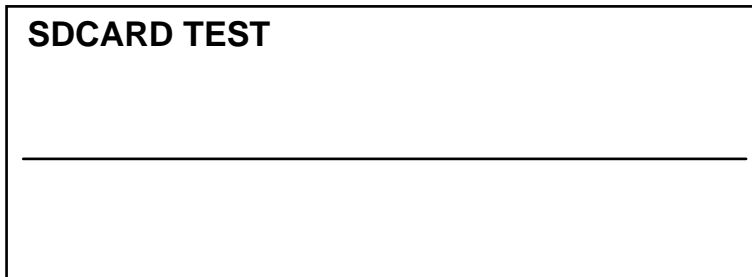


F-3. Press the "RHYTHM [A]" button to return to the main screen.

## G. SD CARD CHECK

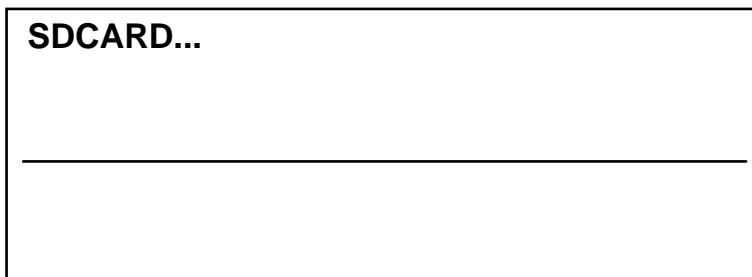
---

G-1. Press the "TONE [G]" button to select the "SD CARD CHECK".



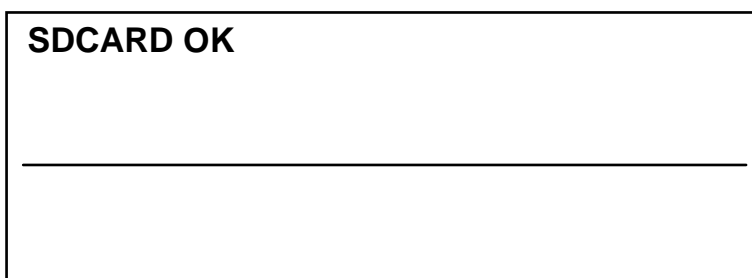
G-2. Press the "TONE [A]" button to perform the check.

**NOTE:** When the check is complete, the confirmation chord sounds and the check result appears.



G-3. Check to see if the LCD is as shown below.

**NOTE:** If "OK" does not appear, try formatting the SD card and re-running the test. Please refer to the user's manual for how to format an SD card.



G-4. Press the "RHYTHM [A]" button to return to the main screen.

G-5. Remove the SD card.

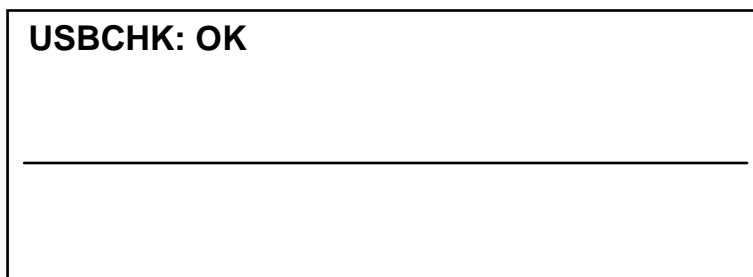
## H. USB CHECK

---

- H-1. Connect the main unit to the PC with a USB cable.
- H-2. Press the "TONE [H]" button to select the "USB CHECK".



- H-3. Press the "TONE [F]" button to perform the check.
- H-4. Check to see if the LCD is as shown below.

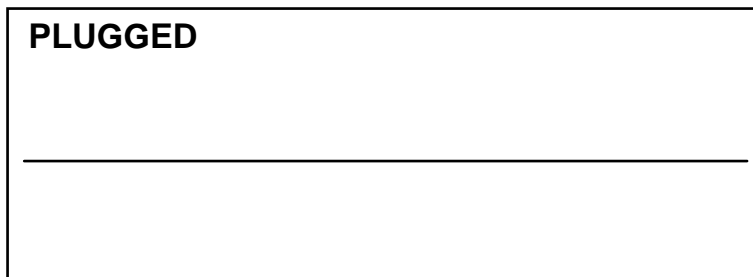


- H-5. Press the "RHYTHM [A]" button to return to the main screen.
- H-6. Disconnect the USB cable.

## I. AC ADAPTOR CHECK

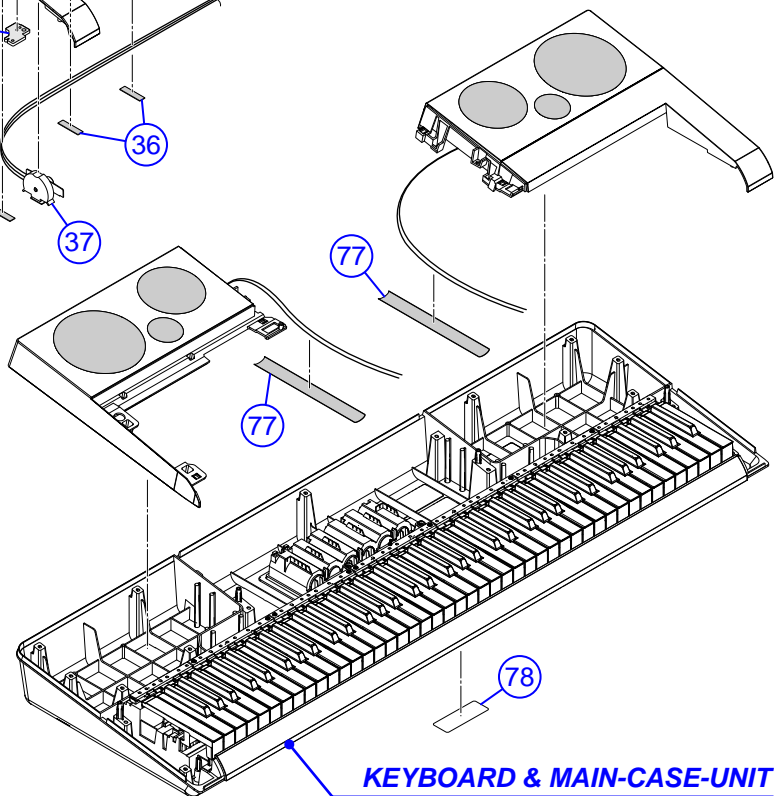
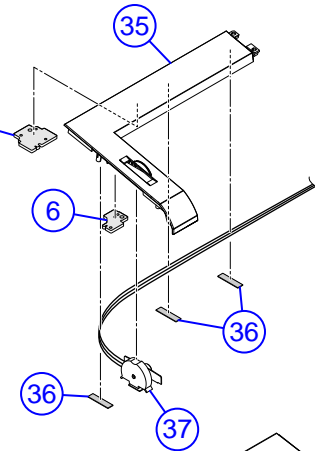
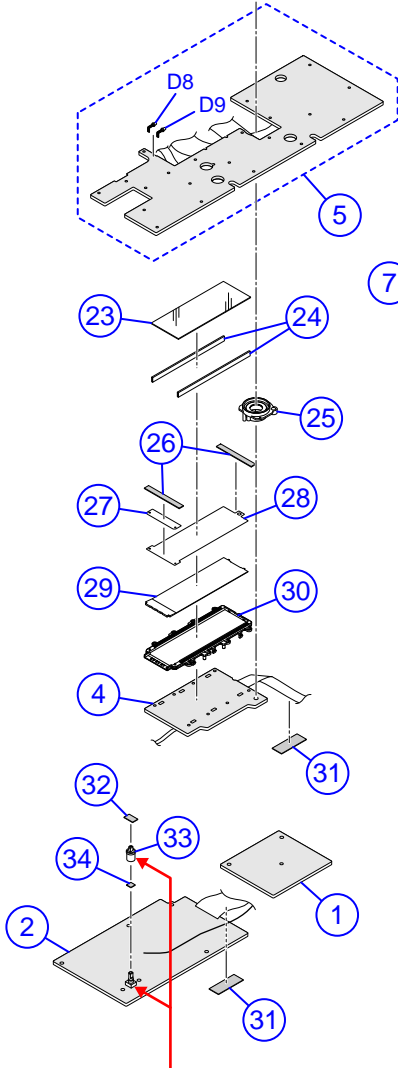
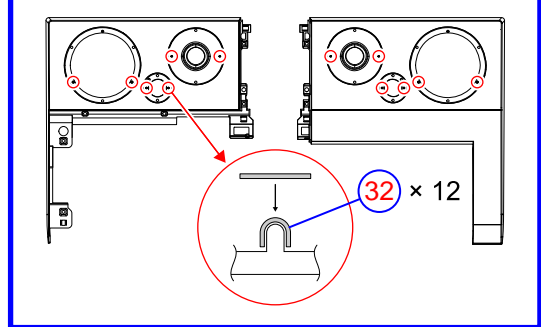
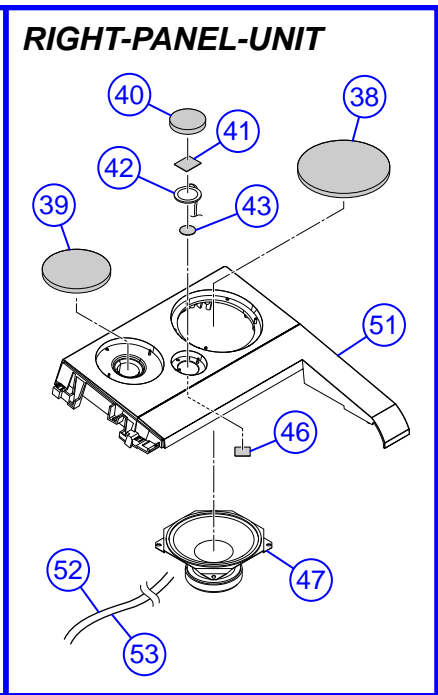
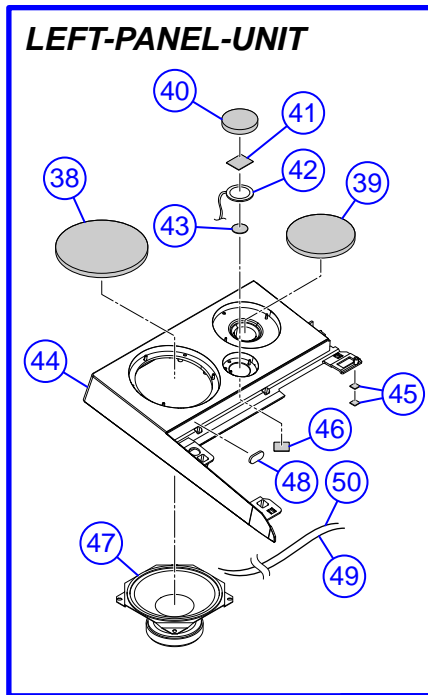
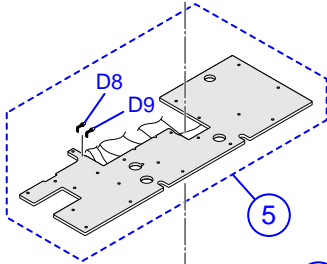
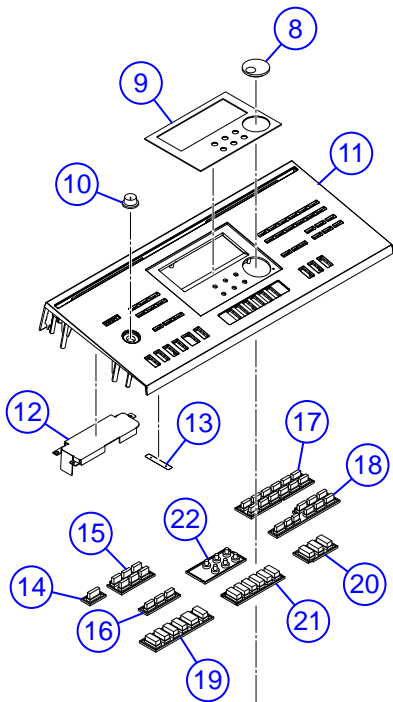
---

- I-1. Press the "TONE [K]" button to select the "AC ADAPTOR CHECK".
- I-2. Check to see if the LCD is as shown below.



- I-3. Press the "RHYTHM [A]" button to return to the main screen.

# EXPLODED VIEW

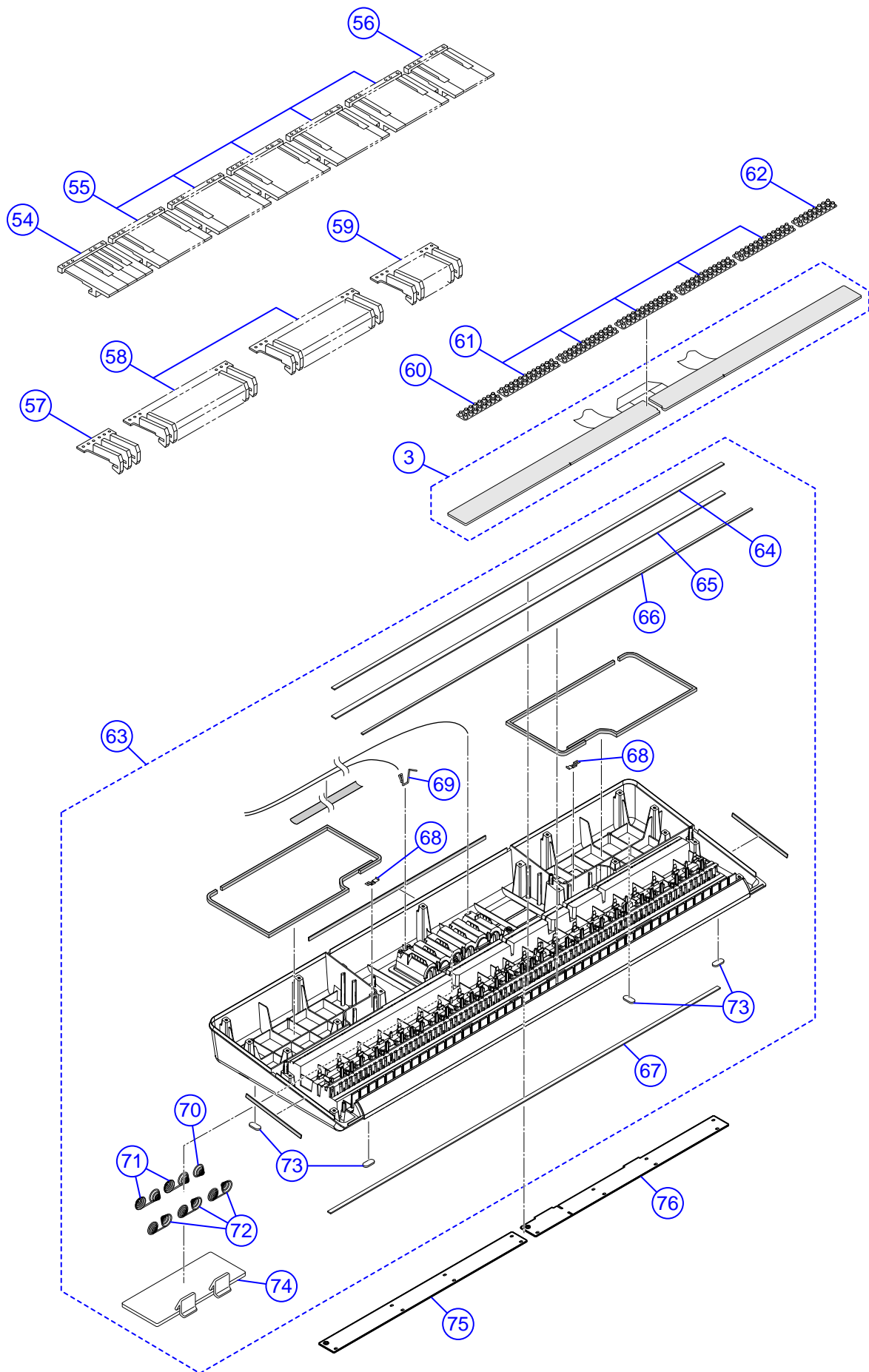


Refer to Bulletin EMI-415

**KEYBOARD & MAIN-CASE-UNIT**



KEYBOARD & MAIN-CASE-UNIT



# PARTS LIST

## WK-6600

Notes:

1. Prices and specifications are subject to change without prior notice.
2. Refer to the latest "Parts Price Code" at "PARTS FINDER" on the Casio Service WEB site (<https://www.servicecasio.com>).
3. As for spare parts order and supply, refer to the "GUIDEBOOK for Spare Parts Supply", published separately.
4. The numbers in item column correspond to the same numbers in drawing.

- 1: WK-6600\_DI
- 2: WK-6600\_EU
- 3: WK-6600\_UK
- 4: WK-6600\_US

N	Item	Code No.	Parts Name	Specification	Q'ty				R	Remarks
					1	2	3	4		
<b>MAIN PCB</b>										
N	1	10422848	PCB UNIT/MAIN	TK-RJM511791*001	1	1	1	1	A	MDA1
	CN7	10236624	CONNECTOR/USB	UBR24-4K5G00	1	1	1	1	C	
	CN12	10375067	CONNECTOR/SD	SDK9BNSK13GNTBLFS4	1	1	1	1	B	
	IC5	10211950	IC	NJM2068M-D(TE1)	1	1	1	1	X	
	IC6	10398240	IC	XC6402FV36PR-G	1	1	1	1	X	
	IC9	10256784	LSI/MEMORY	CY62146EV30LL45ZST	1	1	1	1	C	
	IC11	10396648	LSI/MEMORY	MX29GL128ELT2I-90G	1	1	1	1	C	
	IC12	10226394	IC	TC74VHC08FT(EL.K)	1	1	1	1	X	
	IC13,IC14	10413602	IC	TC7SH08FU(T5L.JF.T	2	2	2	2	X	
	Q1,Q7,Q8	10399706	TRANSISTOR	DSC500100L	3	3	3	3	X	
	Q2	10388215	TRANSISTOR	2SB1689T106	1	1	1	1	X	
	Q3	10402605	TRANSISTOR	DSA500100L	1	1	1	1	X	
	D4,D5,D11-D15	10009218	DIODE	1SS400TE61	7	7	7	7	X	
	D8-D10	10346940	DIODE	NNCD6.8RL-T1-AT	3	3	3	3	X	
	L11	10193074	COIL	DLW21HN181SQ2L	1	1	1	1	X	
	X1	10375016	RESONATOR	7V48080006	1	1	1	1	X	
<b>POWER &amp; AMP PCB</b>										
N	2	10422847	PCB UNIT/POWER & AMP	TK-RJM511788*001	1	1	1	1	B	PSA1 Refer to Bulletin EMI-415
	J2	10334294	JACK/DC	KM02022ABMP	1	1	1	1	A	
	J3	10305218	JACK/PHONE	JY-6316B*01-070	1	1	1	1	B	
	J4,J9	69325081	JACK/LINE OUT L, ASSIGNABLE	JY-6314*01-030	2	2	2	2	B	
	J5,J6	10206816	JACK/LINE OUT R, MIC IN	JY-6314*01-130	2	2	2	2	B	
	J7	10305131	JACK/AUDIO IN	ST-3529B	1	1	1	1	B	
	VR1	10398245	VARIABLE RESISTOR	F-09KV-CASIO-2	1	1	1	1	B	
	VR2	10123103	VARIABLE RESISTOR/ for Main Volume	RK09K12C0D1B	1	1	1	1	B	
	IC1	10306512	IC	TDA7297	1	1	1	1	X	
	IC2	10375029	IC	LA5756-MDB-E	1	1	1	1	X	
	IC3-IC7	10211950	IC	NJM2068M-D(TE1)	5	5	5	5	X	
	IC8	10306415	IC	BH3547F-E2	1	1	1	1	X	
	Q1	10400547	TRANSISTOR	DSA500200L	1	1	1	1	X	
	Q2-Q5,Q8	10399706	TRANSISTOR	DSC500100L	5	5	5	5	X	
	D4	10210387	DIODE	RSX101VA-30TR	1	1	1	1	X	
	Q6,Q7	10407894	TRANSISTOR	DSC250100L	2	2	2	2	X	
	D1,D2	10273853	DIODE	RSX301L-30TE25	2	2	2	2	X	
	D5,D6	10101686	DIODE	UDZSTE-177.5B	2	2	2	2	X	
	D7	23901820	DIODE	1SS355TE-17	1	1	1	1	X	
	L1,L2,L4,L6, L7,L10,L11	10231920	COIL	RB53-856397NP	7	7	7	7	X	
	L3,L8	10231919	COIL	RB53-856396NP	2	2	2	2	X	
	L5	10232457	COIL	R117-860400NP	1	1	1	1	X	
<b>KEYBOARD PCB</b>										
	3	10399944	PCB UNIT/KEYBOARD/KYA	TK-RJM508870*003	1	1	1	1	C	KYA1/KYA2
	D801-D952	23153132	DIODE	1SS133T-77	152	152	152	152	X	

- 1: WK-6600\_DI
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- 4: WK-6600\_US

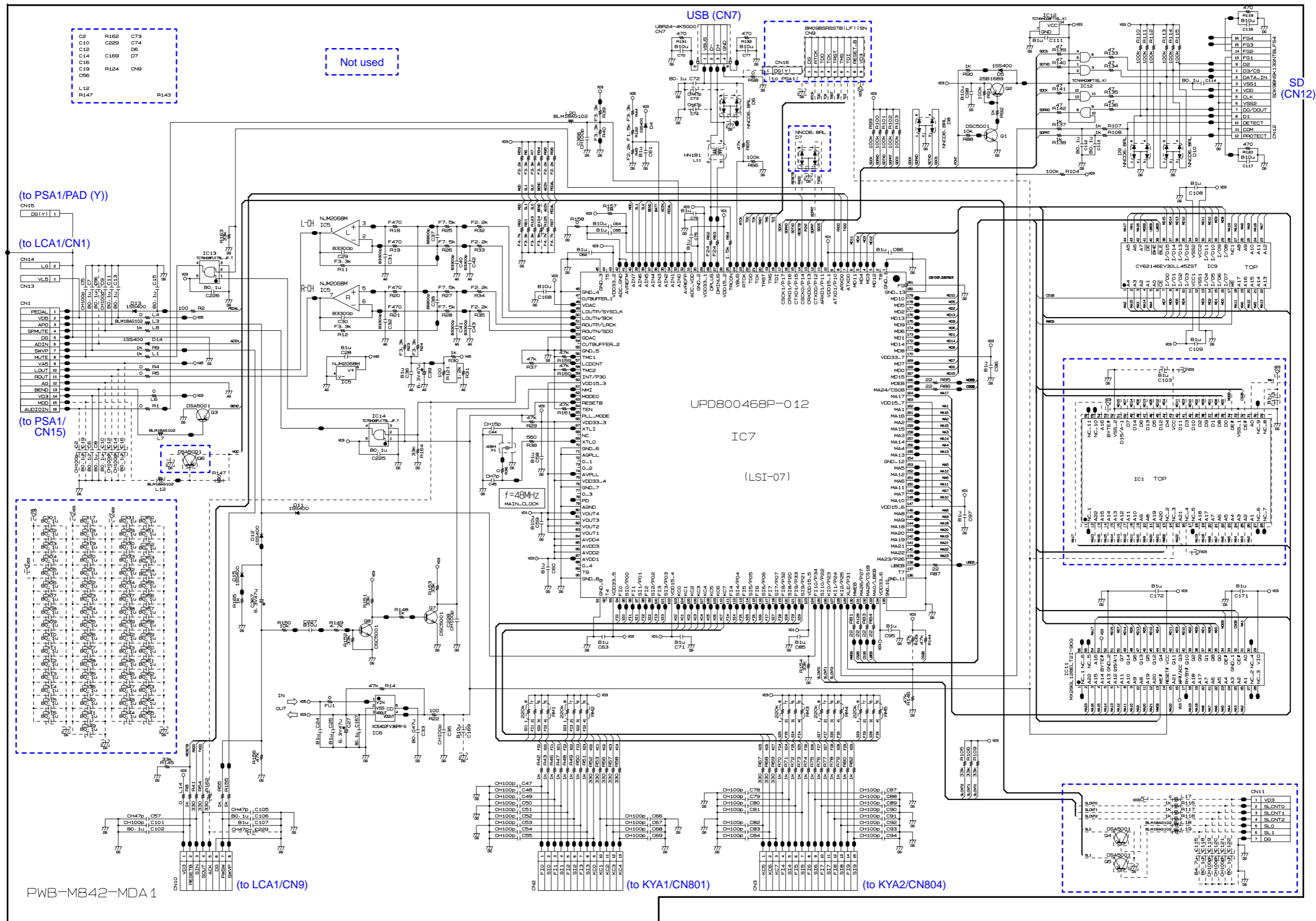
N	Item	Code No.	Parts Name	Specification	Q'ty				R	Remarks
					1	2	3	4		
<b>CONSOLE PCB (LCA1, CNA1, CNA2, CNA3)</b>										
	4	10407988	PCB UNIT/LCA1	TK-RJM511601*001	1	1	1	1	C	LCA1
	E1	10407911	ENCODER	EVEGB1F1524M	1	1	1	1	B	
	IC1	10333225	LSI	PD78F1153AGKSGAKAX	1	1	1	1	C	
	Q2	10400545	TRANSISTOR	DMA501010R	1	1	1	1	X	
	Q12	10365234	TRANSISTOR	DRC9114Y0L	1	1	1	1	X	
	Q20,Q21	10407895	TRANSISTOR	DSC500200L	2	2	2	2	X	
	5	10407989	PCB UNIT/CNA1	TK-RJM511604*001	1	1	1	1	X	CNA1
	D7	10363781	LED	26-21/B1	1	1	1	1	X	
	D8,D9	10375069	LED	SLR343WBD2PT3	2	2	2	2	X	for LCD backlight
	D45	10336974	LED	26-21/R1	1	1	1	1	X	
	D46,D47	10101686	DIODE	UDZSTE-177.5B	2	2	2	2	X	
	6	10423944	PCB/CNA2	RJM511047-002V02	1	1	1	1	X	CNA2
	7	10423945	PCB/CNA3	RJM511047-003V02	1	1	1	1	X	CNA3
<b>PANEL UNIT</b>										
N	8	10407929	KNOB/for DIAL	RJM511443-001V01	1	1	1	1	C	
	9	10421891	DISPLAY PLATE	RJM511445-001V02	1	1	1	1	X	
	10	10193270	KNOB/for ROTARY	RJM502503-008V02	1	1	1	1	C	
N	11	10422545	CASE/PANEL	RJM511425-008V01	1	1	1	1	X	
	12	10407932	BRACKET/V-ZERO	RJM511447-001V01	1	1	1	1	X	
	13	10412041	TOP PIECE B	RJM511753-001V01	1	1	1	1	X	
	14	10407920	RUBBER BUTTON/A	RJM511432-001V01	1	1	1	1	X	
	15	10419561	RUBBER BUTTON/B	RJM511433-001V02	1	1	1	1	X	
	16	10422034	RUBBER BUTTON/C	RJM511434-001V02	1	1	1	1	X	
	17	10407923	RUBBER BUTTON/D	RJM511435-001V01	1	1	1	1	X	
	18	10422037	RUBBER BUTTON/E	RJM511436-001V02	1	1	1	1	X	
	19	10407925	RUBBER BUTTON/F	RJM511437-001V01	1	1	1	1	X	
	20	10407926	RUBBER BUTTON/G	RJM511438-001V01	1	1	1	1	X	
	21	10407927	RUBBER BUTTON/J	RJM511439-001V01	1	1	1	1	X	
	22	10419564	RUBBER BUTTON/L	RJM511441-001V02	1	1	1	1	X	
	23	10411881	LCD	ZAS-SR012922DN01	1	1	1	1	X	
	24	10203058	RUBBER CONNECTOR/for LCD	RJM505822-001V01	2	2	2	2	X	
	25	10407930	BEZEL/for DIAL	RJM511444-001V01	1	1	1	1	X	
	26	10270485	SPONGE/8X75	M441167-001V01	2	2	2	2	X	
	27	10407941	TOP PIECE	RJM511589-001V01	1	1	1	1	X	
	28	10250780	FILM	RJM507061-001V01	1	1	1	1	X	
	29	10248119	BACK LIGHT PLATE	RJM506818-001V01	1	1	1	1	X	
	30	10136032	REFLECTOR	RJM502577-001V02	1	1	1	1	X	
	31	10407942	SPONGE/17X45	RJM511610-001V01	2	2	2	2	X	
	32	10423542	DOUBLE FACED TAPE/6X10	RJM506386-002V01	13	13	13	13	X	
	33	10445070	SHAFT/for ROTARY KNOB	RJM511468-002V01	1	1	1	1	X	Refer to Bulletin EMI-415
	34	10426893	PACKING	RJM512070-001V02	1	1	1	1	X	
<b>SUB PANEL UNIT</b>										
N	35	10422549	PANEL/SUB	RJM511455-001V01	1	1	1	1	X	
	36	10053728	FABRIC TAPE/10X42	M440240-2	3	3	3	3	X	
N	37	10422849	BENDER UNIT	TK-RJM511118*006	1	1	1	1	C	

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N	Item	Code No.	Parts Name	Specification	Q'ty				R	Remarks
					1	2	3	4		
<b>SIDE PANEL UNIT</b>										
N	38	10375063	SPEAKER COVER/for FULL RAGE	RJM510710*001V01	2	2	2	2	X	
N	39	10412192	SPEAKER COVER/for PORT	RJM511743*001V01	2	2	2	2	X	
N	40	10383302	SPEAKER COVER/for TWEETER	RJM510713*001V02	2	2	2	2	X	
	41	69307179	SPONGE/30X35	M441046-1	2	2	2	2	X	
	42	10309765	BUZZER	HM-2720MYLAR	2	2	2	2	X	Tweeter
	43	10407934	DOUBLE FACED TAPE/D24	RJM511582-001V01	2	2	2	2	X	
N	44	10422547	CASE/SIDE PANEL/LEFT	RJM511453-001V01	1	1	1	1	X	
	45	69276140	FABRIC TAPE/10X10	M440855-1	2	2	2	2	X	
	46	10179176	PACKING/20X20	RJM505231-001	2	2	2	2	X	
	47	10375017	SPEAKER	C12J09	2	2	2	2	X	
	48	10263730	RUBBER FOOT	M441160-001V01	1	1	1	1	X	
N	49	10426932	WIRE	1007TASC24600W8030	1	1	1	1	X	White
N	50	10426933	WIRE	1007TASC24600G8030	1	1	1	1	X	Green
N	51	10422801	CASE/SIDE PANEL/RIGHT	RJM511454-001V02	1	1	1	1	X	
N	52	10426934	WIRE	1007TASC24800B8030	1	1	1	1	X	Blue
N	53	10426935	WIRE	1007TASC24800T8030	1	1	1	1	X	Brown
<b>KEYBOARD &amp; MAIN CASE UNIT</b>										
	54	10399719	WHITE KEY/SEB	RJM507652*002V01	1	1	1	1	B	
	55	10399802	WHITE KEY/CB	RJM507243*004V03	5	5	5	5	A	
	56	10399720	WHITE KEY/CSG	RJM507653*002V01	1	1	1	1	B	
	57	10289648	BLACK KEY/3p	RJM506595-007	1	1	1	1	B	
	58	10289646	BLACK KEY/10p	RJM506595-005	2	2	2	2	A	
	59	10289649	BLACK KEY/8p	RJM506595-008	1	1	1	1	B	
	60	10269450	RUBBER CONTACT/SEB	RJM507649-001	1	1	1	1	B	
	61	10269451	RUBBER CONTACT/CB	RJM507656-001	5	5	5	5	A	
	62	10269449	RUBBER CONTACT/CSG	RJM507650-001	1	1	1	1	B	
N	63	10422846	CASE UNIT/MAIN	TK-RJM511164*002	1	1	1	1	X	
	64	10406872	FELT/LOWER LIMIT/KEYBOARD	RJM511237-002V01	1	1	1	1	X	
	65	10406873	FABRIC TAPE	RJM511554-001V01	1	1	1	1	X	
	66	10399750	FELT/DAMPER/KEYBOARD	RJM511238-001V01	1	1	1	1	X	
	67	10399748	FELT/UPPER LIMIT/KEYBOARD	RJM511236-001V01	1	1	1	1	X	
	68	10284332	BRACKET/for STAND	M440866-001	2	2	2	2	X	
	69	10263726	BATTERY TERMINAL/+	M441101-001	1	1	1	1	X	
	70	10263727	BATTERY TERMINAL/-	M441102-001	1	1	1	1	X	
	71	10036660	BATTERY TERMINAL/A	M441099-001	2	2	2	2	X	
	72	10036661	BATTERY TERMINAL/B	M441100-001	3	3	3	3	X	
	73	10263730	RUBBER FOOT	M441160-001V01	4	4	4	4	X	
	74	10271778	BATTERY COVER	TK-M341288*002	1	1	1	1	X	
	75	10403459	LOWER COVER	RJM507741-002V02	1	1	1	1	X	
	76	10399747	LOWER COVER	RJM511159-001V01	1	1	1	1	X	
	77	10221193	SPONGE/40X200	RJM506471-001	2	2	2	2	X	
N	78	10422536	LABEL/RATING	RJM504373-073V02	1	1	1	1	X	
<b>ACCESSORIES</b>										
	-	10025472	MUSIC STAND	M141071-001	1	1	1	1	C	
	-	10392266	AC ADAPTOR	AD-A12150LW-F3	1	1	1	1	B	without AC CORD
	-	10361066	AC CORD	UC2LT-M006A	1			1	X	for US
	-	10361067	AC CORD	EC2LT-M002A	1	1			X	for EU
	-	10361069	AC CORD	AUC2LT-M002A	1				X	for Australia
	-	10361070	AC CORD	BC2LT-M002A			1		X	for UK

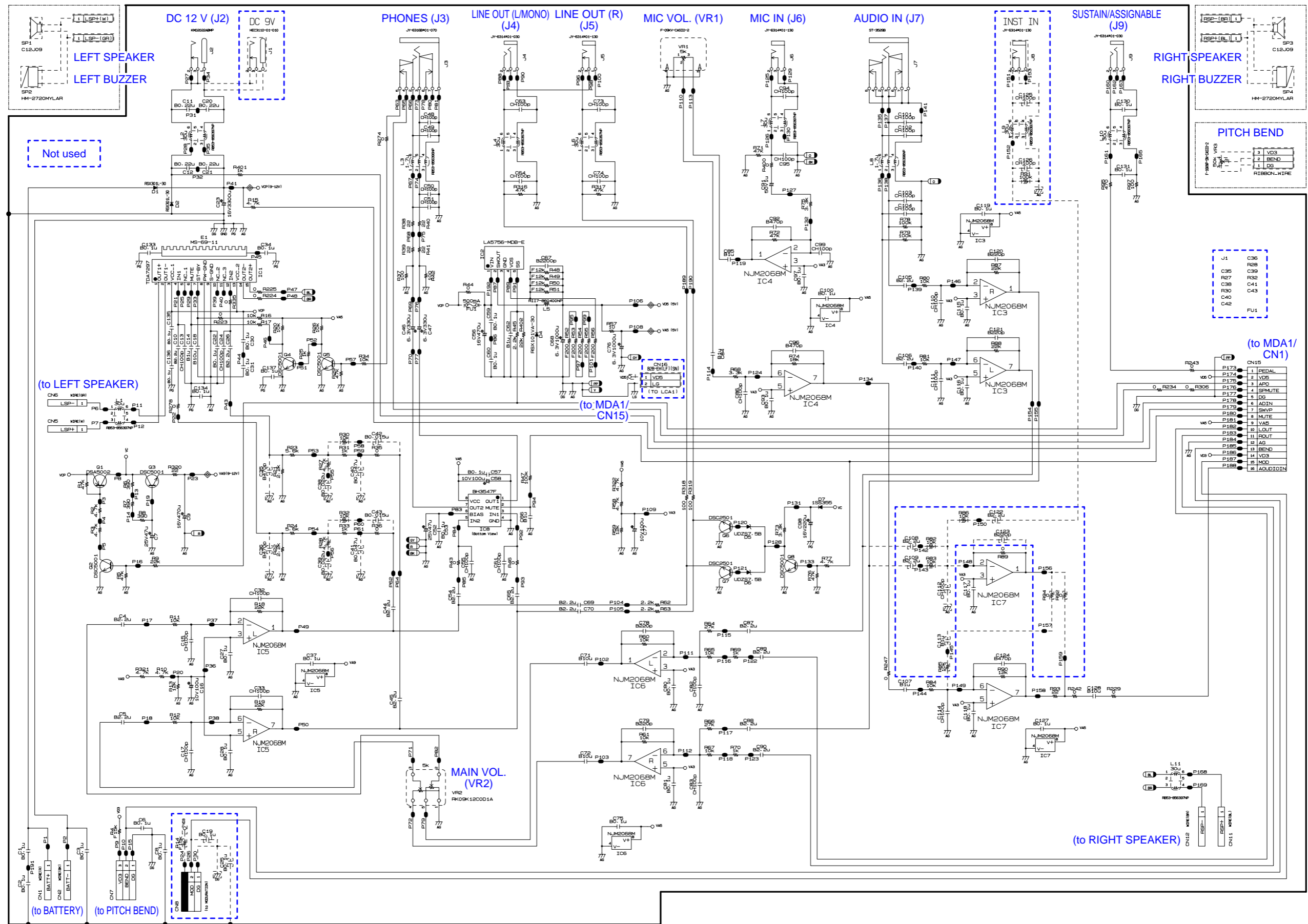
# SCHEMATIC DIAGRAMS

## Main PCB: M842-MDA1

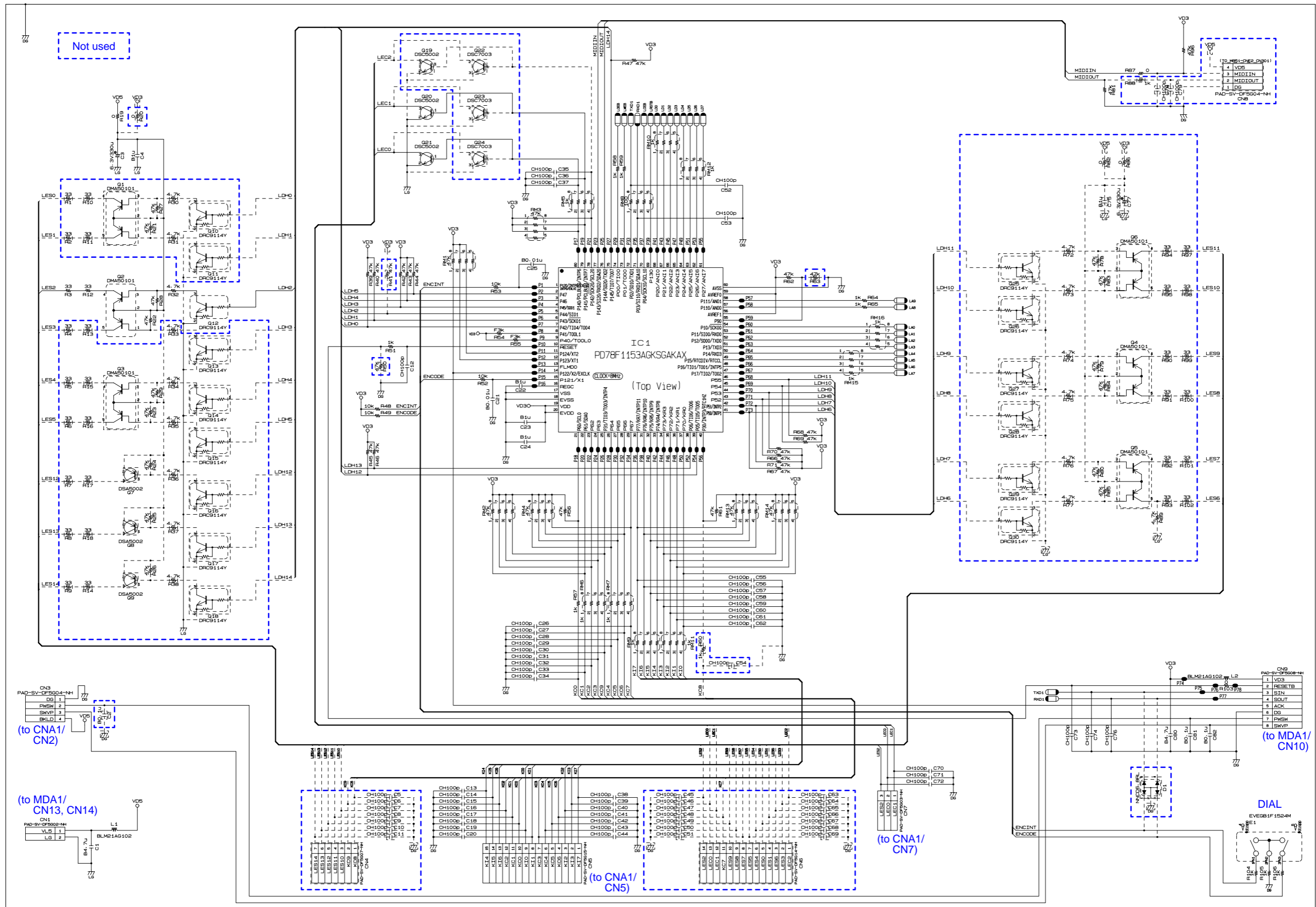


PWB-M842-MDA1

Power & Amp PCB: M842-PSA1

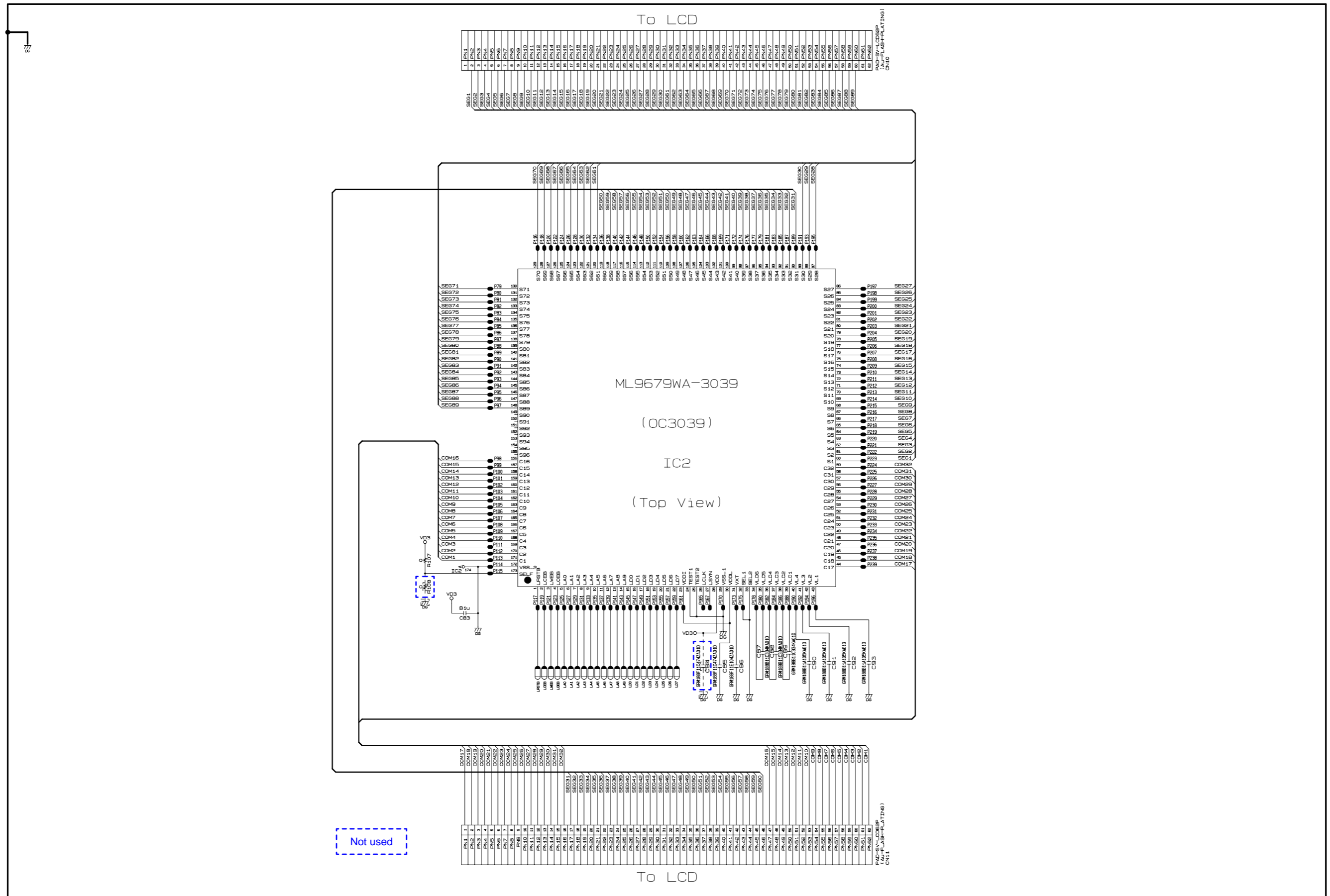


Console PCB: M842-LCA1 (1/2)

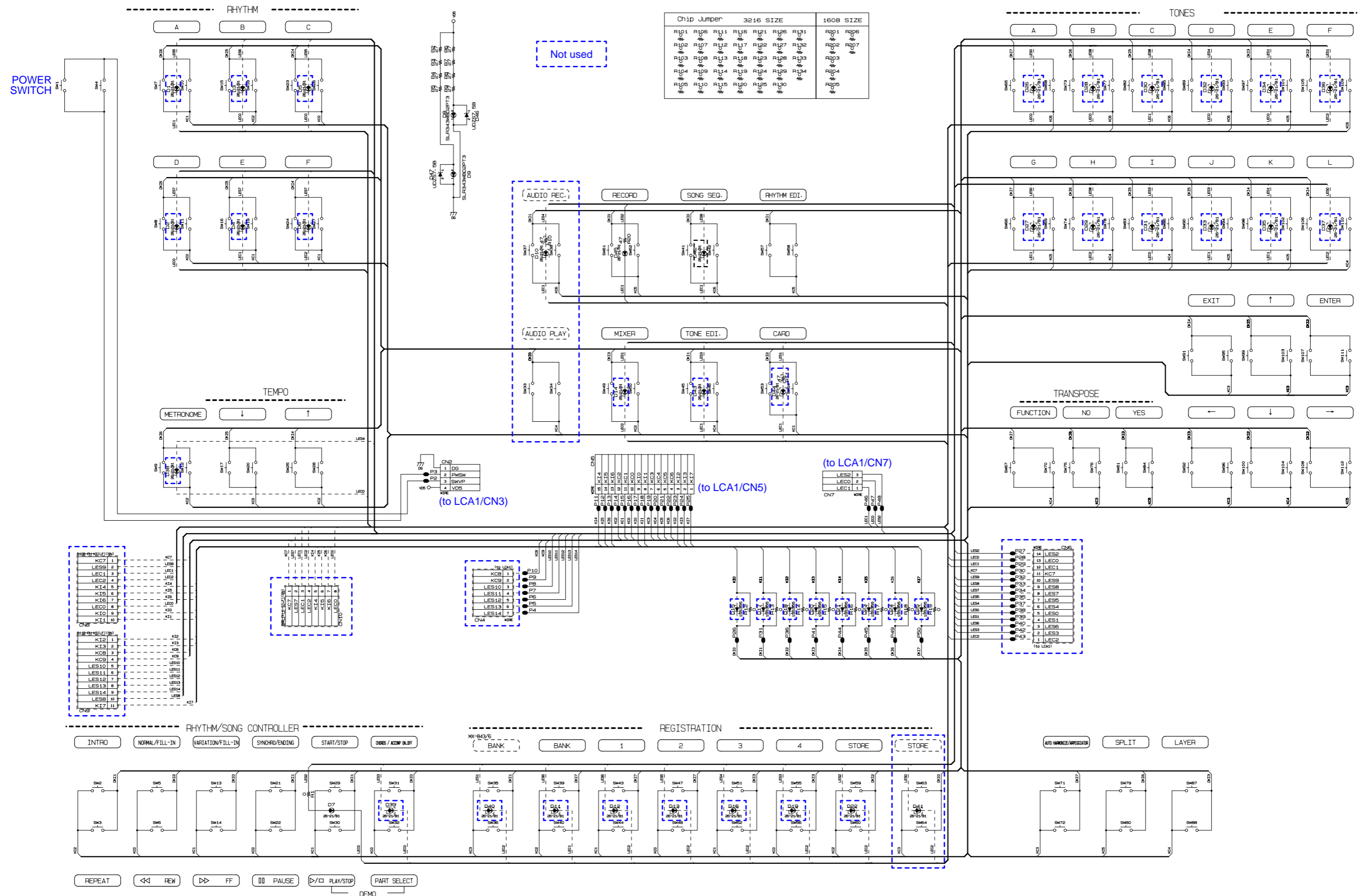




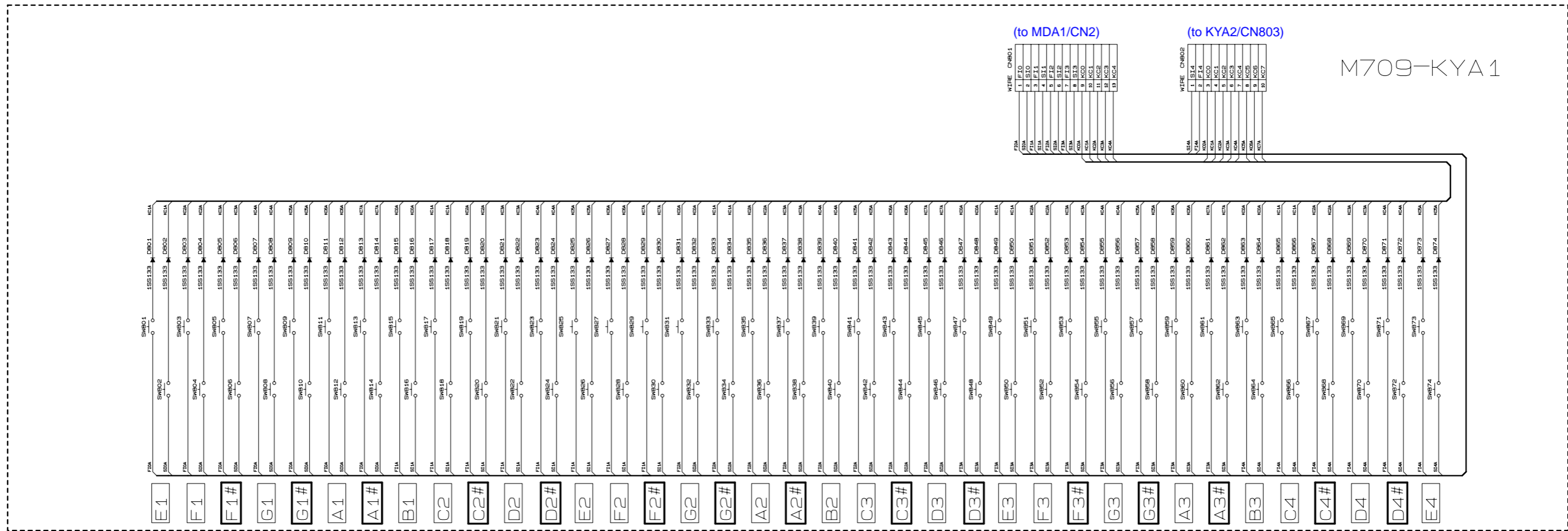
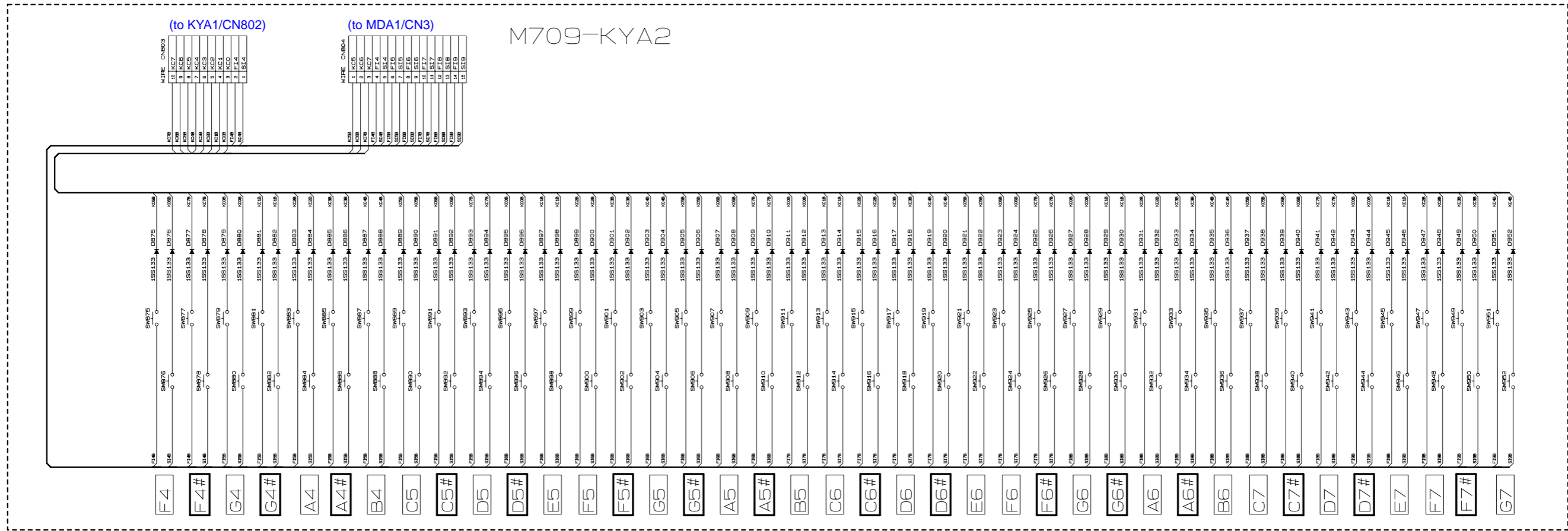
Console PCB: M842-LCA1 (2/2)



Console PCB: M842-CNA1



Keyboard PCB: M709-KYA1/KYA2



Ver. 1 : Feb. 2013

- Correction of the EXPLODED VIEW (P38)
- Correction of the PARTS LIST (P41 and P42)

Ver. 2 : Jul. 2014

- Correction of the CIRCUIT DESCRIPTION (P5)

**CASIO COMPUTER CO., LTD.**  
CS Technical Department

TOKYO, JAPAN