

# SERVICE MANUAL & PARTS LIST

**PX-850**

**AUG. 2012**



**CASIO®**

**Ver. 5 : Nov. 2014**

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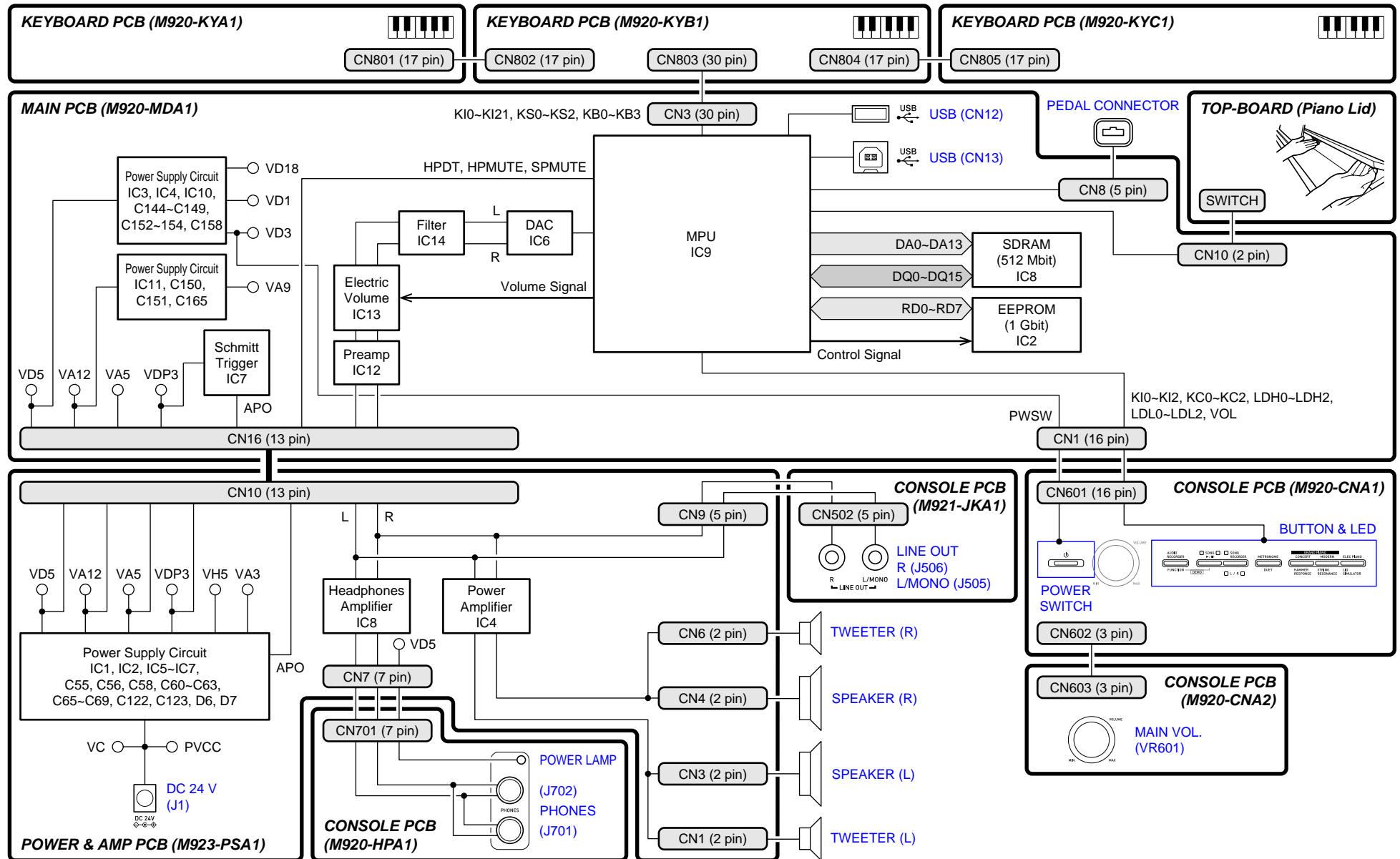
## SPECIFICATIONS

Keyboard	88-key piano keyboard, with Touch Response
Maximum Polyphony	256 notes
Tones	18 <ul style="list-style-type: none"> <li>• Layer (excluding bass tones)</li> <li>• Split (Low-range bass tones only)</li> </ul>
Effects	Brilliance (–3 to 0 to 3), Reverb (4 types), Chorus (4 types), DSP, Hammer response, String resonance, Lid simulator
Metronome	<ul style="list-style-type: none"> <li>• Beats: 0, 2, 3, 4, 5, 6</li> <li>• Tempo Range: 20 to 255</li> </ul>
Duet	Adjustable tone range (–1 to 2 octaves)
Music Library	<ul style="list-style-type: none"> <li>• Number of Songs: 60, User Songs: 10 (Up to approximately 90 KB per song, approximately 900 KB for 10 songs)*</li> <li>* Based on 1 KB = 1024 bytes, 1 MB = 1024<sup>2</sup> bytes</li> <li>• Song volume: Adjustable</li> <li>• Part On/Off: L, R</li> </ul>
Song Recorder	<ul style="list-style-type: none"> <li>• Functions: Real-time recording, playback</li> <li>• Number of Song: 1</li> <li>• Number of Tracks: 2</li> <li>• Capacity: Approximately 5,000 notes total</li> <li>• Recorded Data Protection: Built-in flash memory</li> </ul>
Audio Recorder	<ul style="list-style-type: none"> <li>• Real-time recording and playback to USB flash drive*</li> <li>* Linear PCM, 16bit, 44.1 kHz, stereo .WAV format</li> <li>• Songs: 99 files</li> <li>• Approximately 25 minutes maximum recording per file.</li> </ul>
Pedals	Damper (with half-pedal operation), Soft, Sostenuto
Other Functions	<ul style="list-style-type: none"> <li>• Touch Select: 3 types, Off</li> <li>• Transpose: 2 octaves (–12 to 0 to 12)</li> <li>• Tuning: 415.5 Hz to 440.0 Hz to 465.9 Hz (variable)</li> <li>• Temperament</li> <li>• Octave shift</li> <li>• Operation Lock</li> </ul>
MIDI	16-channel multi-timbre receive
USB Flash Drive	SMF playback, data storage, data loading, USB flash drive format, delete data, play back of audio data
Inputs/Outputs	<ul style="list-style-type: none"> <li>• PHONES jacks: Stereo standard jacks × 2</li> <li>• Power: 24 V DC</li> <li>• LINE OUT R, L/MONO jacks: Standard jacks × 2 Output impedance: 2.3 K<math>\Omega</math> Output voltage: 1.8 V (RMS) MAX</li> <li>• USB port : Type B</li> <li>• USB flash drive port : Type A</li> <li>• Pedal connector</li> </ul>

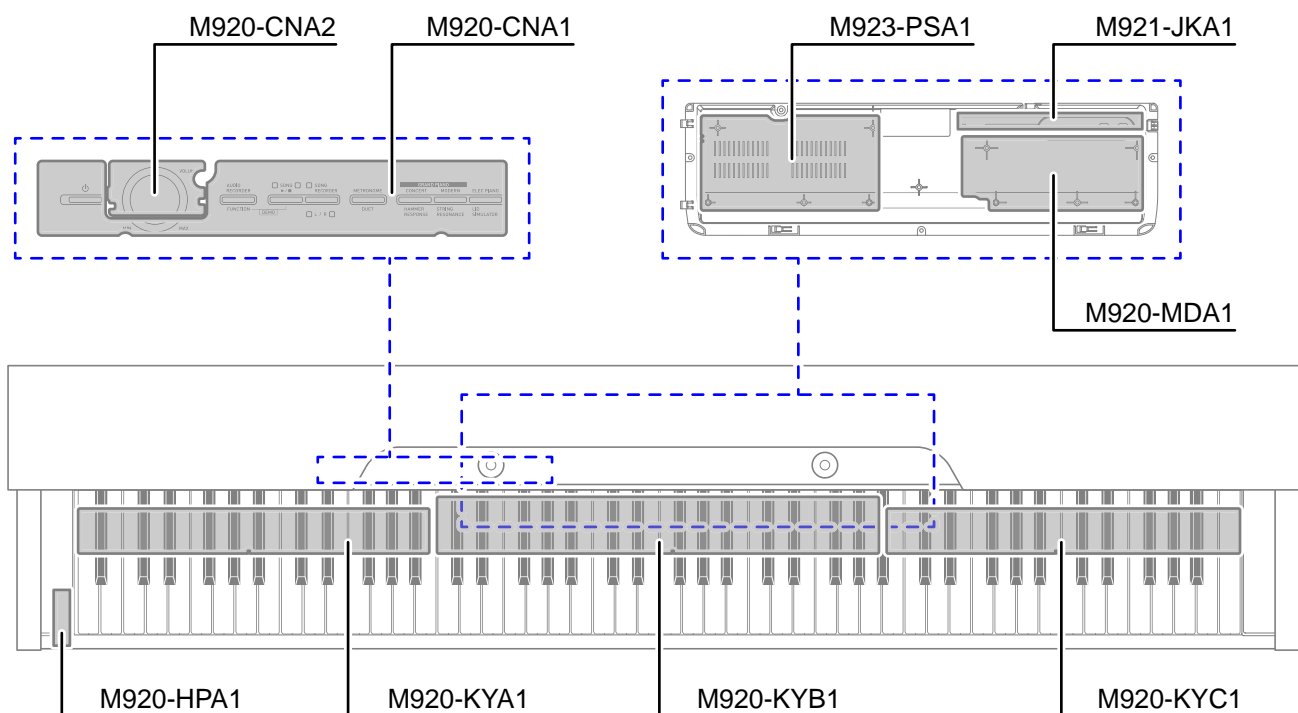
Speakers	$\phi 12 \text{ cm} \times 2 + \phi 5 \text{ cm} \times 2$ (Output 20 W + 20 W)
Power Requirements	AC Adaptor: AD-E24250LW • Auto Power Off: Approximately 4 hours after last operation. Auto Power Off can be disabled.
Power Consumption	24 V --- 20 W
Dimensions	Digital Piano and Stand: 135.7 (W) $\times$ 29.9 (D) $\times$ 83.7 (H) cm (53 <sup>7</sup> / <sub>16</sub> $\times$ 11 $\times$ 32 <sup>15</sup> / <sub>16</sub> inch)
Weight	Digital Piano and Stand: approximately 35.5 kg (78.3 lbs)



# BLOCK AND WIRING DIAGRAM



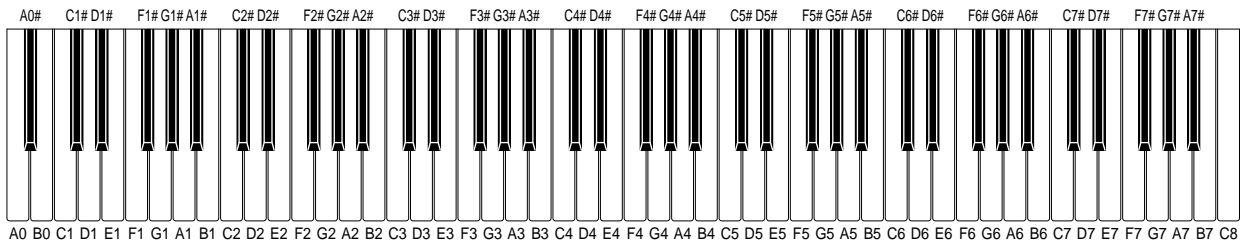
## PCB INFORMATION



Parts Name	PCB Name	Functions
<b>MAIN PCB</b>		
PCB UNIT/MAIN	M920-MDA1	MPU, SDRAM, EEPROM, Power supply circuits, Preamp, Filter, DAC, APO Circuit, Electronic volume, USB port, USB flash drive port, Pedal connector, Piano lid switch
<b>POWER &amp; AMP PCB</b>		
PCB UNIT/POWER & AMP	M923-PSA1	Power supply circuits, Power amplifier, Headphones amplifier, Speakers, Tweeters, DC 24 V terminal
<b>CONSOLE PCB</b>		
PCB UNIT/CNA	M920-CNA1	Power switch, Buttons, LED
	M920-CNA2	Main volume
PCB UNIT/HPA1	M920-HPA1	Power lamp, PHONES jacks
PCB UNIT/JKA1	M921-JKA1	LINE OUT (R, L/MONO) jacks
<b>KEYBOARD PCB</b>		
PCB UNIT/ KY and RUBBER CONTACT	M920-KYA1	Keyboard
	M920-KYB1	
	M920-KYC1	

# CIRCUIT DESCRIPTION

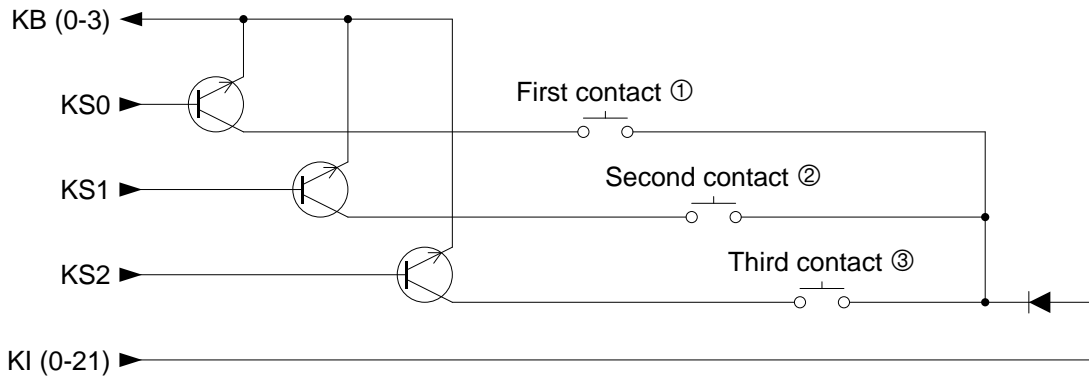
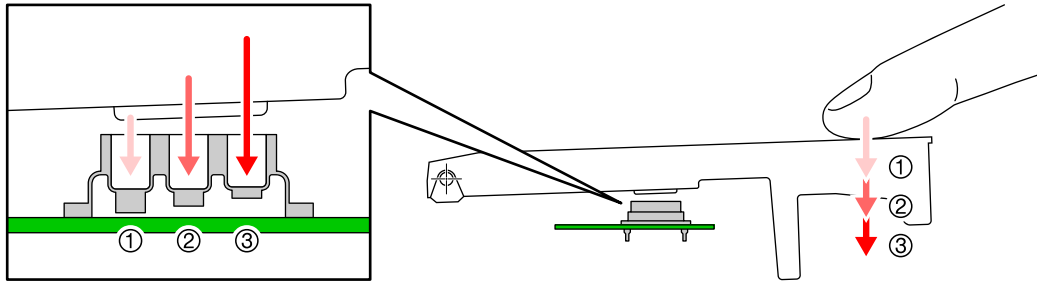
## ■ Nomenclature of Keys



## ■ Key Matrix

Each key has three contacts, the first contact ①, second contact ② and third contact ③.

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



	KS0	KS1	KS2
K10	A0① (KB0)	A0② (KB0)	A0③ (KB0)
	A0#① (KB1)	A0#② (KB1)	A0#③ (KB1)
	B0① (KB2)	B0② (KB2)	B0③ (KB2)
	C1① (KB3)	C1② (KB3)	C1③ (KB3)
K11	C1#① (KB0)	C1#② (KB0)	C1#③ (KB0)
	D1① (KB1)	D1② (KB1)	D1③ (KB1)
	D1#① (KB2)	D1#② (KB2)	D1#③ (KB2)
	E1① (KB3)	E1② (KB3)	E1③ (KB3)

	KS0	KS1	KS2
K111	F4① (KB0)	F4② (KB0)	F4③ (KB0)
	F4#① (KB1)	F4#② (KB1)	F4#③ (KB1)
	G4① (KB2)	G4② (KB2)	G4③ (KB2)
	G4#① (KB3)	G4#② (KB3)	G4#③ (KB3)
K112	A4① (KB0)	A4② (KB0)	A4③ (KB0)
	A4#① (KB1)	A4#② (KB1)	A4#③ (KB1)
	B4① (KB2)	B4② (KB2)	B4③ (KB2)
	C5① (KB3)	C5② (KB3)	C5③ (KB3)

	KS0	KS1	KS2
KI2	F1① (KB0)	F1② (KB0)	F1③ (KB0)
	F1#① (KB1)	F1#② (KB1)	F1#③ (KB1)
	G1① (KB2)	G1② (KB2)	G1③ (KB2)
	G1#① (KB3)	G1#② (KB3)	G1#③ (KB3)
KI3	A1① (KB0)	A1② (KB0)	A1③ (KB0)
	A1#① (KB1)	A1#② (KB1)	A1#③ (KB1)
	B1① (KB2)	B1② (KB2)	B1③ (KB2)
	C2① (KB3)	C2② (KB3)	C2③ (KB3)
KI4	C2#① (KB0)	C2#② (KB0)	C2#③ (KB0)
	D2① (KB1)	D2② (KB1)	D2③ (KB1)
	D2#① (KB2)	D2#② (KB2)	D2#③ (KB2)
	E2① (KB3)	E2② (KB3)	E2③ (KB3)
KI5	F2① (KB0)	F2② (KB0)	F2③ (KB0)
	F2#① (KB1)	F2#② (KB1)	F2#③ (KB1)
	G2① (KB2)	G2② (KB2)	G2③ (KB2)
	G2#① (KB3)	G2#② (KB3)	G2#③ (KB3)
KI6	A2① (KB0)	A2② (KB0)	A2③ (KB0)
	A2#① (KB1)	A2#② (KB1)	A2#③ (KB1)
	B2① (KB2)	B2② (KB2)	B2③ (KB2)
	C3① (KB3)	C3② (KB3)	C3③ (KB3)
KI7	C3#① (KB0)	C3#② (KB0)	C3#③ (KB0)
	D3① (KB1)	D3② (KB1)	D3③ (KB1)
	D3#① (KB2)	D3#② (KB2)	D3#③ (KB2)
	E3① (KB3)	E3② (KB3)	E3③ (KB3)
KI8	F3① (KB0)	F3② (KB0)	F3③ (KB0)
	F3#① (KB1)	F3#② (KB1)	F3#③ (KB1)
	G3① (KB2)	G3② (KB2)	G3③ (KB2)
	G3#① (KB3)	G3#② (KB3)	G3#③ (KB3)
KI9	A3① (KB0)	A3② (KB0)	A3③ (KB0)
	A3#① (KB1)	A3#② (KB1)	A3#③ (KB1)
	B3① (KB2)	B3② (KB2)	B3③ (KB2)
	C4① (KB3)	C4② (KB3)	C4③ (KB3)
KI10	C4#① (KB0)	C4#② (KB0)	C4#③ (KB0)
	D4① (KB1)	D4② (KB1)	D4③ (KB1)
	D4#① (KB2)	D4#② (KB2)	D4#③ (KB2)
	E4① (KB3)	E4② (KB3)	E4③ (KB3)

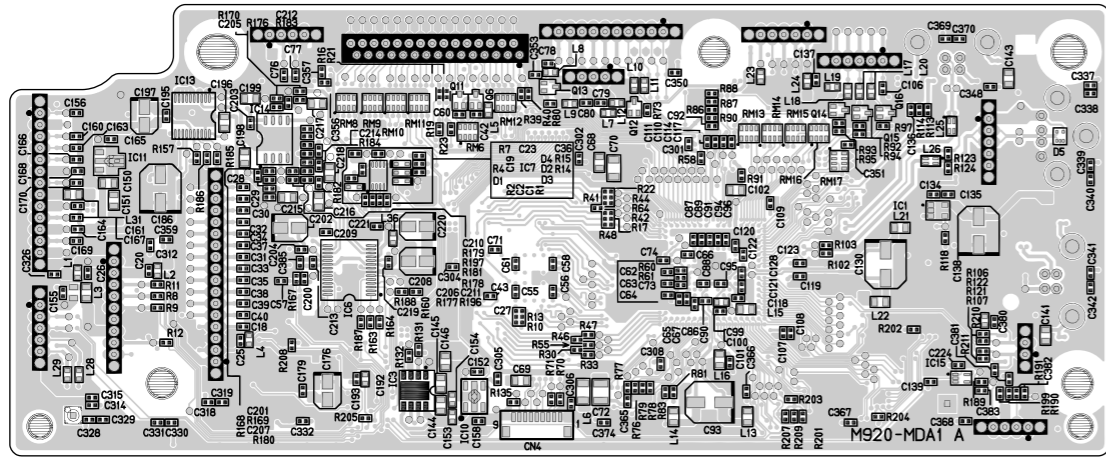
	KS0	KS1	KS2
KI13	C5#① (KB0)	C5#② (KB0)	C5#③ (KB0)
	D5① (KB1)	D5② (KB1)	D5③ (KB1)
	D5#① (KB2)	D5#② (KB2)	D5#③ (KB2)
	E5① (KB3)	E5② (KB3)	E5③ (KB3)
KI14	F5① (KB0)	F5② (KB0)	F5③ (KB0)
	F5#① (KB1)	F5#② (KB1)	F5#③ (KB1)
	G5① (KB2)	G5② (KB2)	G5③ (KB2)
	G5#① (KB3)	G5#② (KB3)	G5#③ (KB3)
KI15	A5① (KB0)	A5② (KB0)	A5③ (KB0)
	A5#① (KB1)	A5#② (KB1)	A5#③ (KB1)
	B5① (KB2)	B5② (KB2)	B5③ (KB2)
	C6① (KB3)	C6② (KB3)	C6③ (KB3)
KI16	C6#① (KB0)	C6#② (KB0)	C6#③ (KB0)
	D6① (KB1)	D6② (KB1)	D6③ (KB1)
	D6#① (KB2)	D6#② (KB2)	D6#③ (KB2)
	E6① (KB3)	E6② (KB3)	E6③ (KB3)
KI17	F6① (KB0)	F6② (KB0)	F6③ (KB0)
	F6#① (KB1)	F6#② (KB1)	F6#③ (KB1)
	G6① (KB2)	G6② (KB2)	G6③ (KB2)
	G6#① (KB3)	G6#② (KB3)	G6#③ (KB3)
KI18	A6① (KB0)	A6② (KB0)	A6③ (KB0)
	A6#① (KB1)	A6#② (KB1)	A6#③ (KB1)
	B6① (KB2)	B6② (KB2)	B6③ (KB2)
	C7① (KB3)	C7② (KB3)	C7③ (KB3)
KI19	C7#① (KB0)	C7#② (KB0)	C7#③ (KB0)
	D7① (KB1)	D7② (KB1)	D7③ (KB1)
	D7#① (KB2)	D7#② (KB2)	D7#③ (KB2)
	E7① (KB3)	E7② (KB3)	E7③ (KB3)
KI20	F7① (KB0)	F7② (KB0)	F7③ (KB0)
	F7#① (KB1)	F7#② (KB1)	F7#③ (KB1)
	G7① (KB2)	G7② (KB2)	G7③ (KB2)
	G7#① (KB3)	G7#② (KB3)	G7#③ (KB3)
KI21	A7① (KB0)	A7② (KB0)	A7③ (KB0)
	A7#① (KB1)	A7#② (KB1)	A7#③ (KB1)
	B7① (KB2)	B7② (KB2)	B7③ (KB2)
	C8① (KB3)	C8② (KB3)	C8③ (KB3)

## ■ Button Matrix

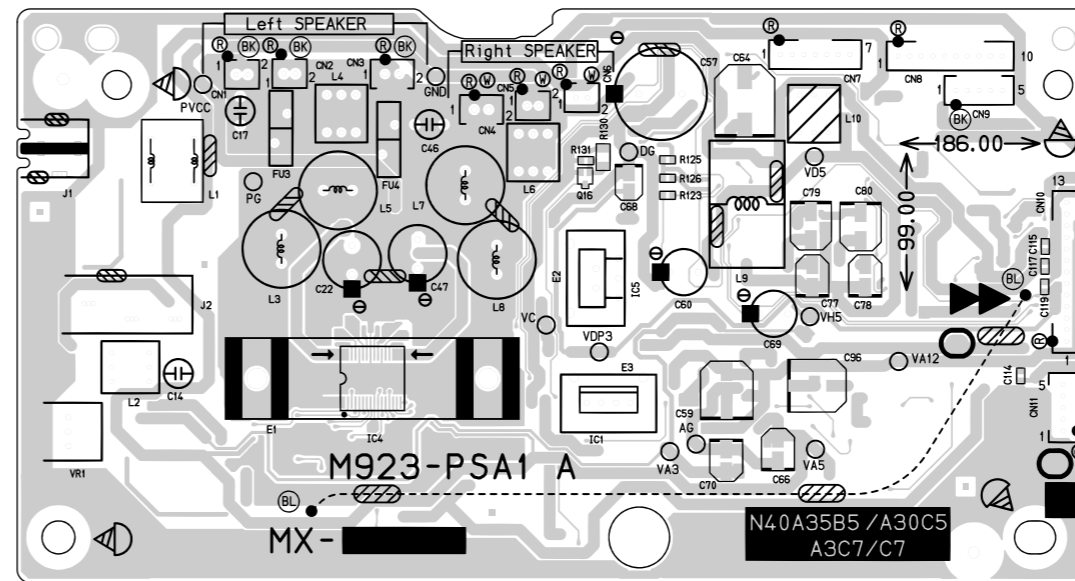
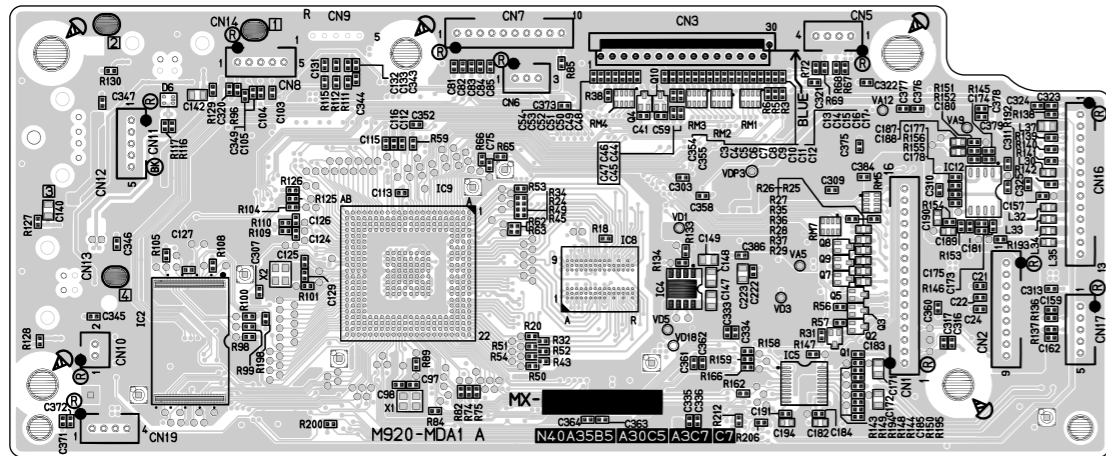
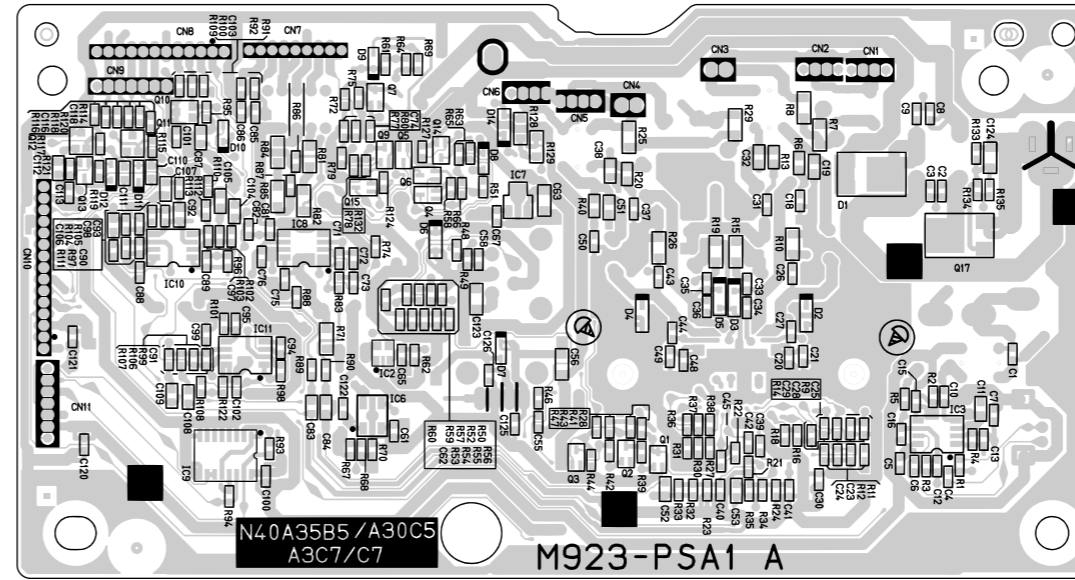
	SO0	SO1	SO2
SI0	AUDIO RECORDER, FUNCTION		
SI1	METRONOME, DUET	SONG ▶/■, DEMO	GRAND PIANO (MODERN), STRING RESONANCE
SI2	ELEC PIANO, LID SIMULATOR	GRAND PIANO (CONCERT), HAMMER RESPONSE	SONG RECORDER (L/R)

# PRINTED CIRCUIT BOARDS

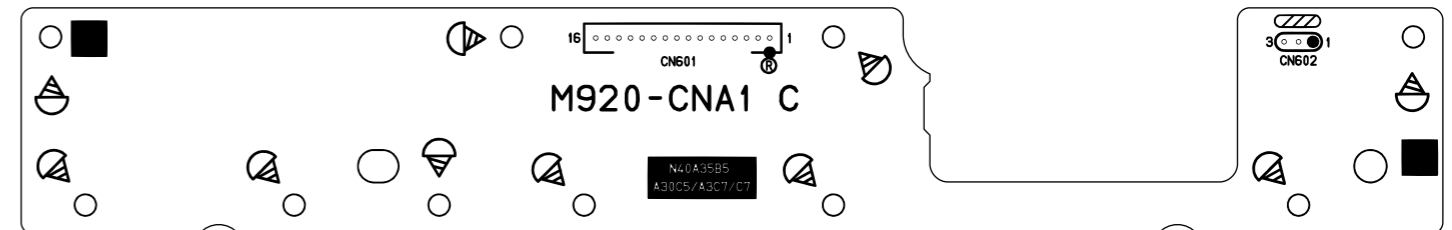
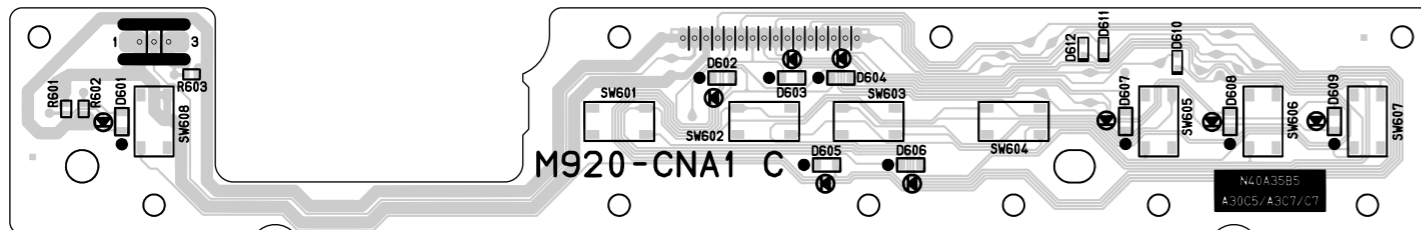
**MAIN PCB: M920-MDA1**



**POWER & AMP PCB: M923-PSA1**

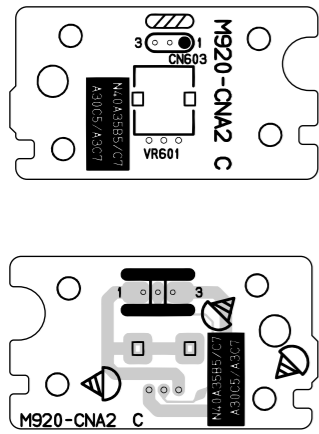


**CONSOLE PCB: M920-CNA1**

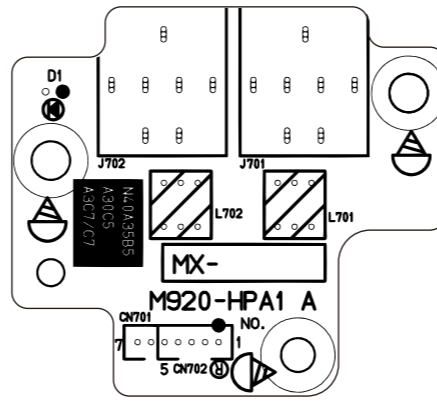
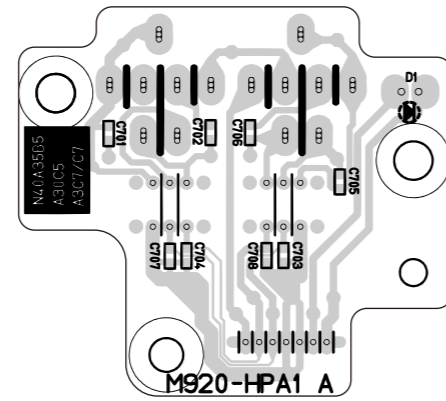




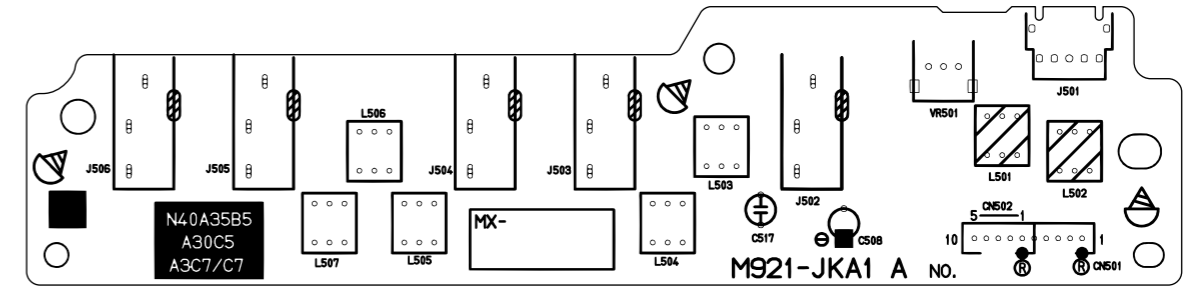
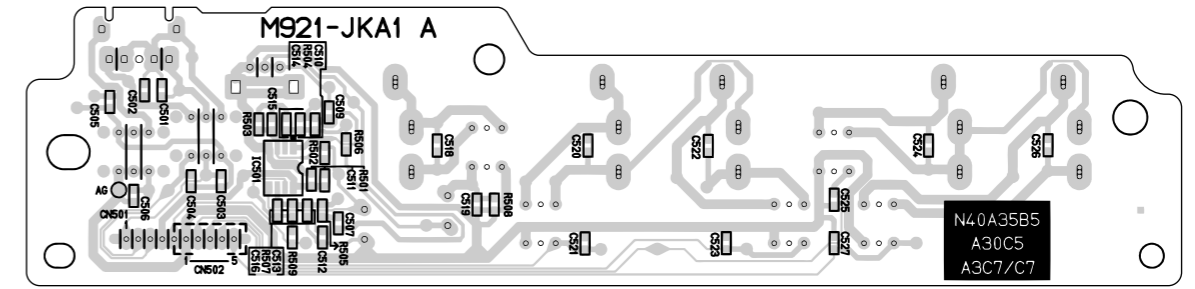
CONSOLE PCB: M920-CNA2



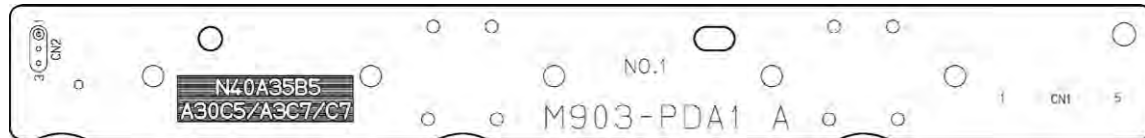
CONSOLE PCB: M920-HPA1



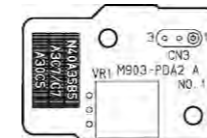
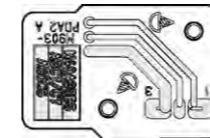
CONSOLE PCB: M921-JKA1



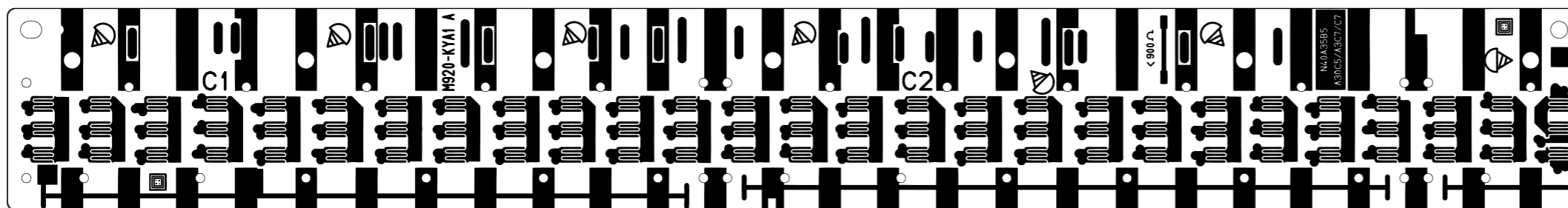
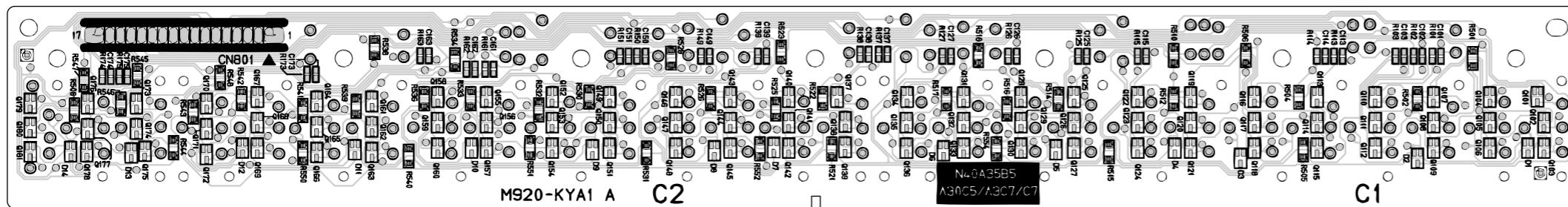
PEDAL PCB: M903-PDA1



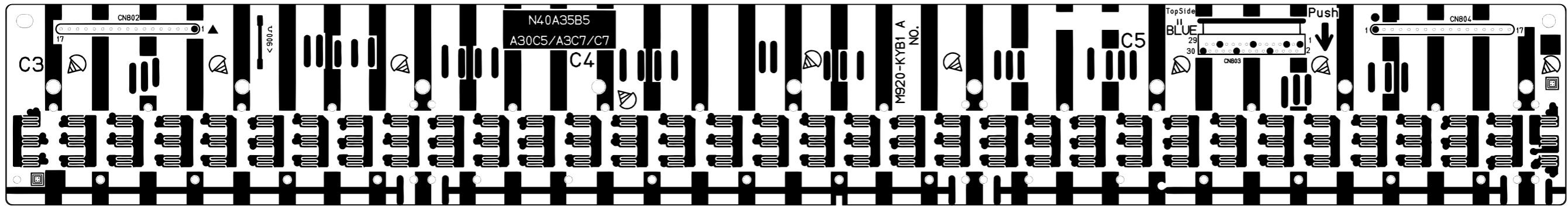
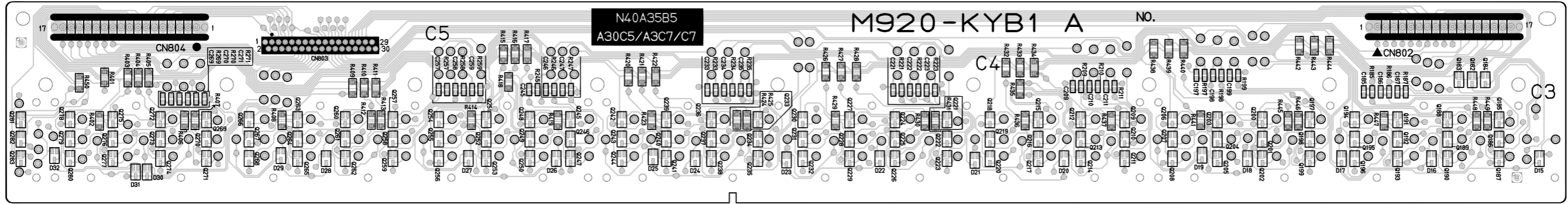
PEDAL PCB: M903-PDA2



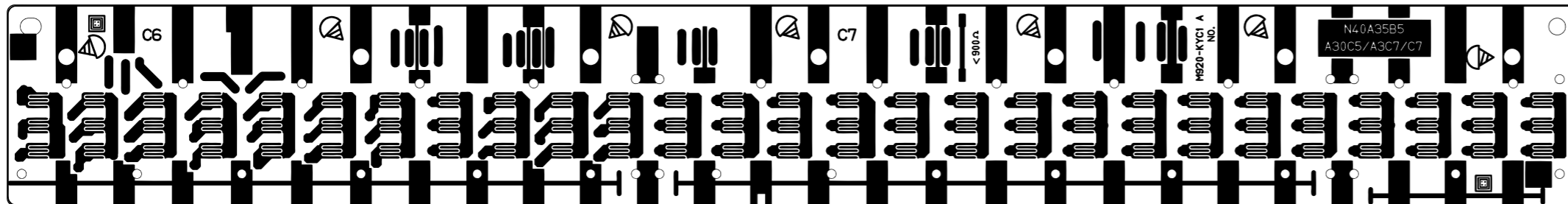
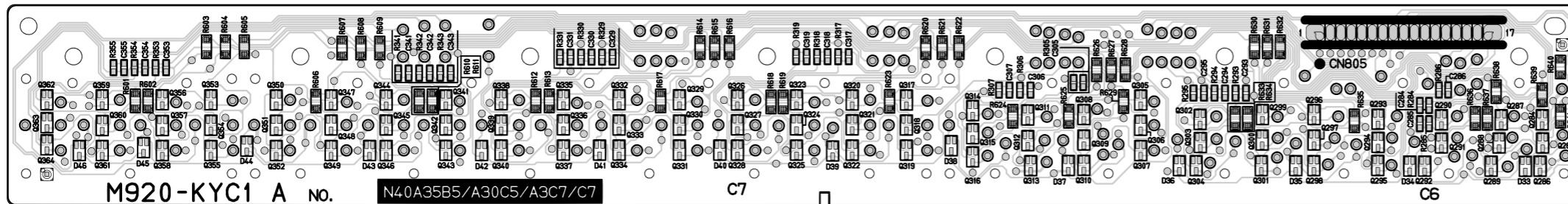
KEYBOARD PCB: M920-KYA1



KEYBOARD PCB: M920-KYB1



KEYBOARD PCB: M920-KYC1

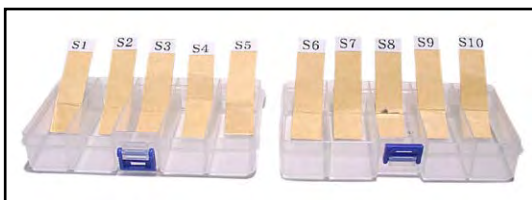


## DISASSEMBLY

### ■ About Repair

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- 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 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 the screw, remove it. Be sure to reattach the screw cap when assembling.
- Check how cables are wired before removing cables. Be sure to wire the cables in the same manner as they were before disassembly.
- In case cables are secured with cable ties, securing bands, clips, or tapes, remove them first. Be sure to secure the cables in place in the same manner as they were before disassembly.

### ■ Before Starting Repair or Servicing

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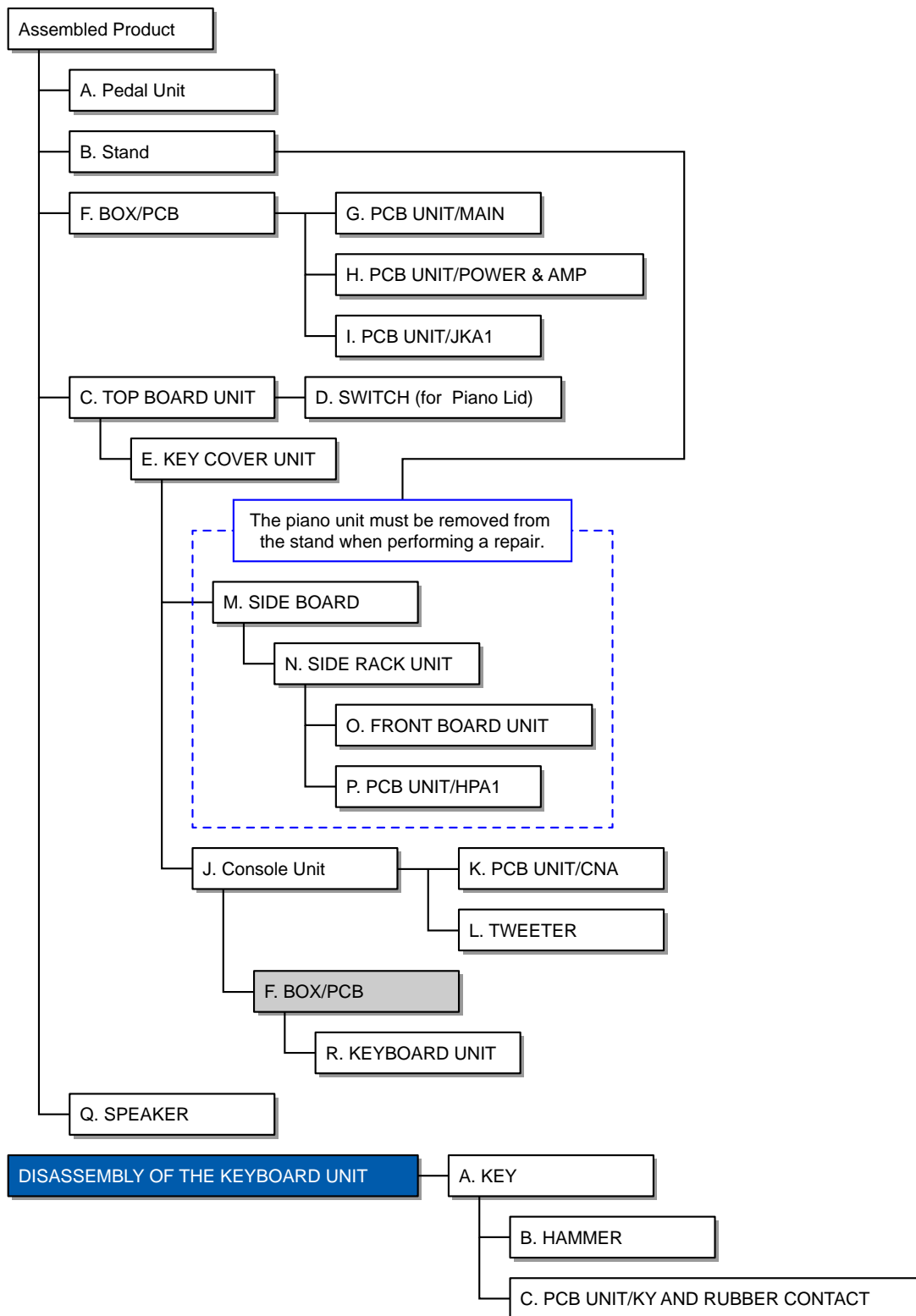
- Remove the AC adaptor, AC cord or batteries.
- Remove accessories such as the music stand.



## ■ Flowchart

**NOTE:** Some of the major components may be removed/replaced without removing the piano unit from the stand. Remove the piano unit from the stand as necessary according to the work environment and with due consideration for safety.

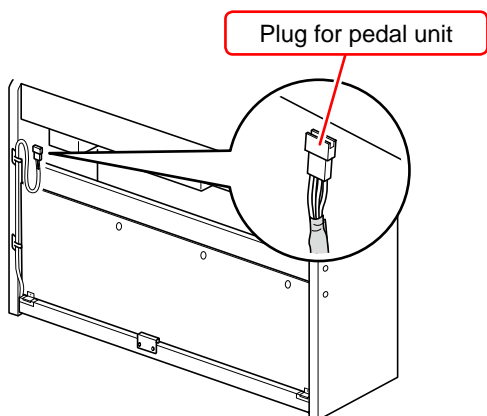
**NOTE:** Parts indicated with a **Gray Box** must be removed when disassembling the parts indicated with a **White Box** in the following step.



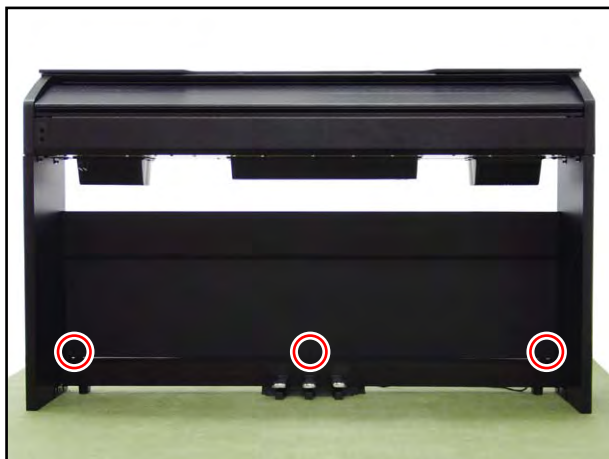
## ■ Disassembly Procedure

### A. Remove the Pedal Unit

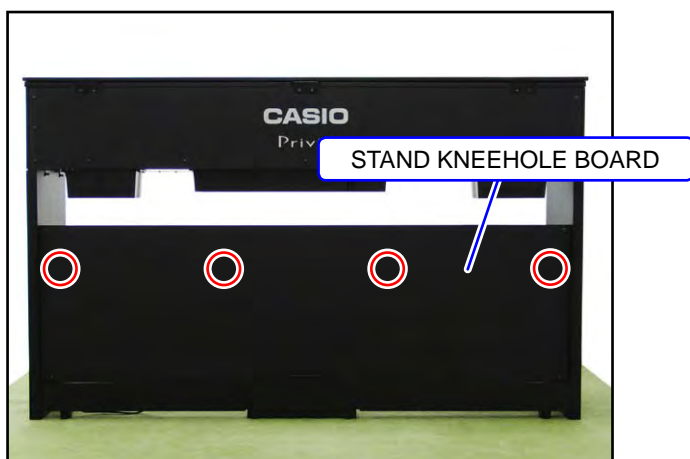
A-1. Disconnect the plug for pedal unit from the pedal connector.



A-2. Undo three screws.

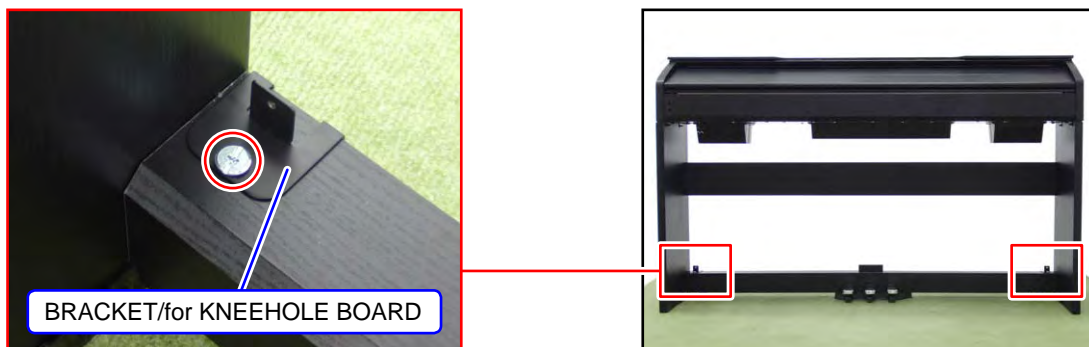


A-3. Undo four screws on the back surface and then remove the STAND KNEEHOLE BOARD.



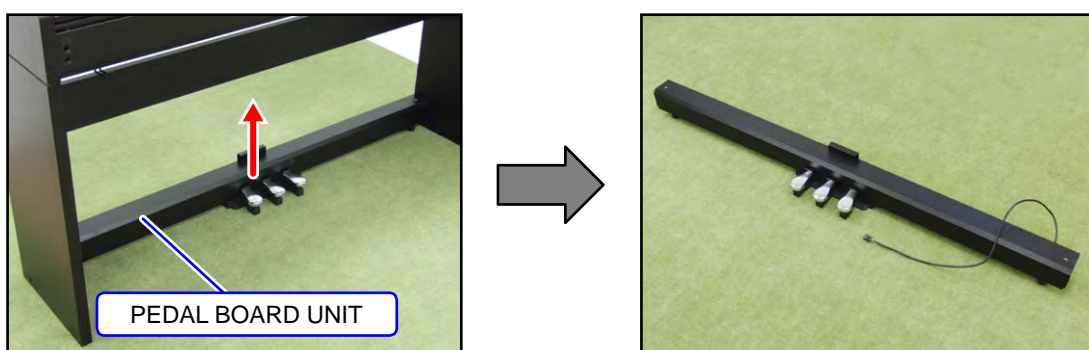
A-4. Undo one screw and then remove the BRACKET/for KNEEHOLE BOARD.

**NOTE:** Remove the other side in the same manner.



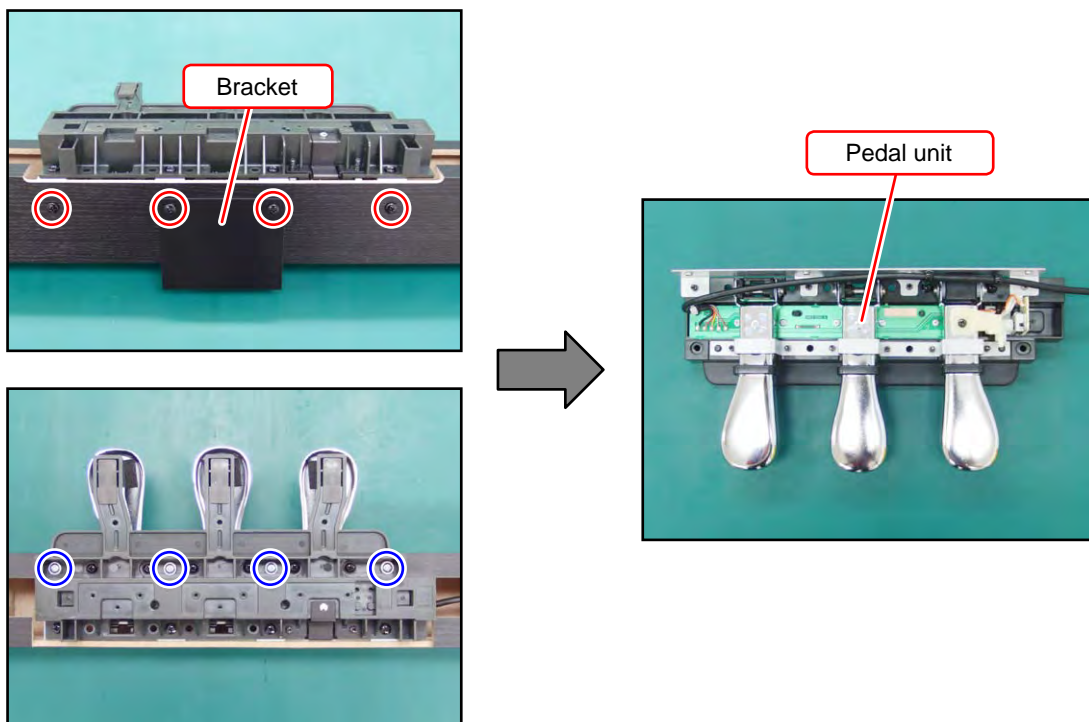
A-5. Remove the PEDAL BOARD UNIT.

**NOTE:** The piano unit and stand become slightly unstable when the PEDAL BOARD UNIT is removed. Use caution so that the piano unit doesn't fall or the stand doesn't fall over.



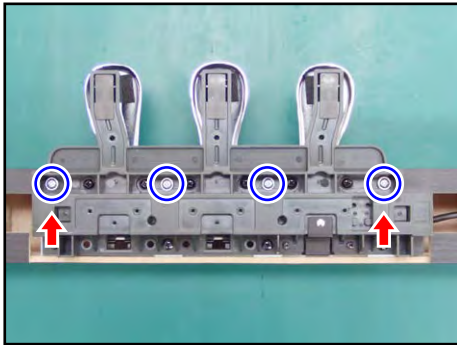
A-6. Undo eight screws and then remove the pedal unit and bracket.

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

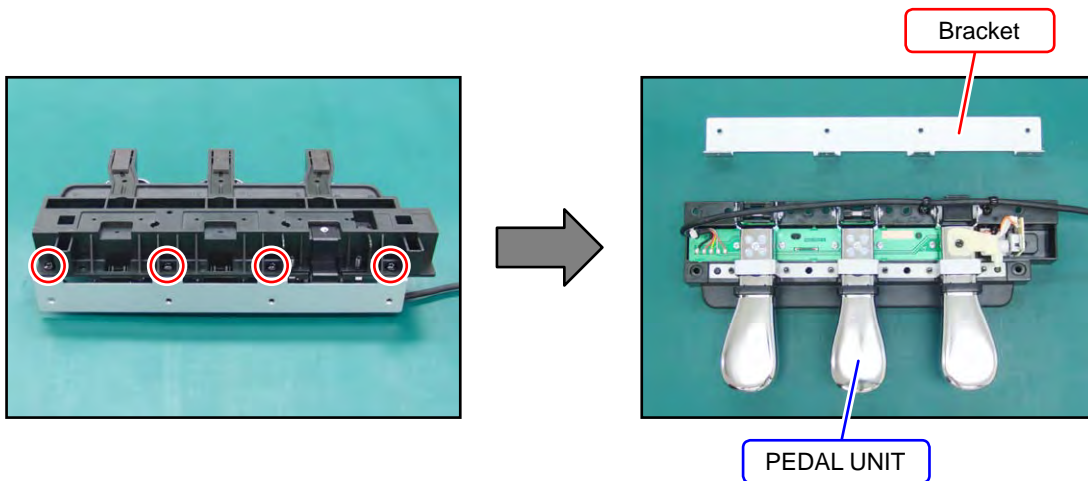


**<Notes on Assembly>**

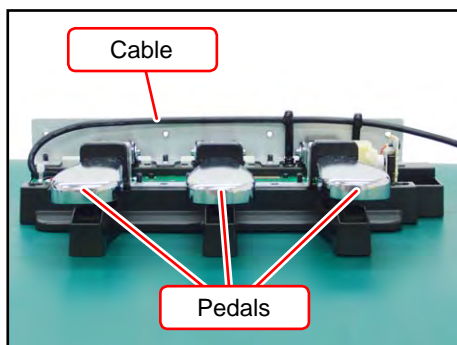
- When you tighten the screws shown below, tighten the ones at both ends first.



A-7. Undo four screws and then remove the PEDAL UNIT and bracket.

**<Notes on Assembly>**

- Arrange the cable for the PEDAL UNIT so that it do not come in contact with the pedals.



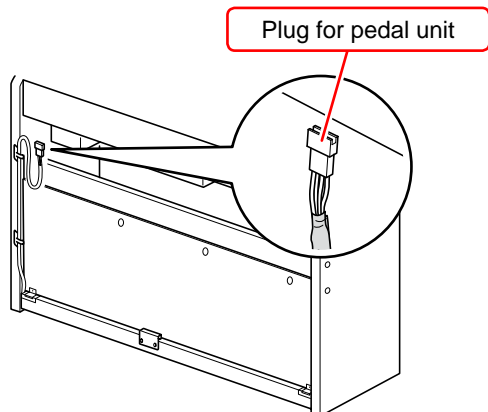
## B. Remove the Stand

---

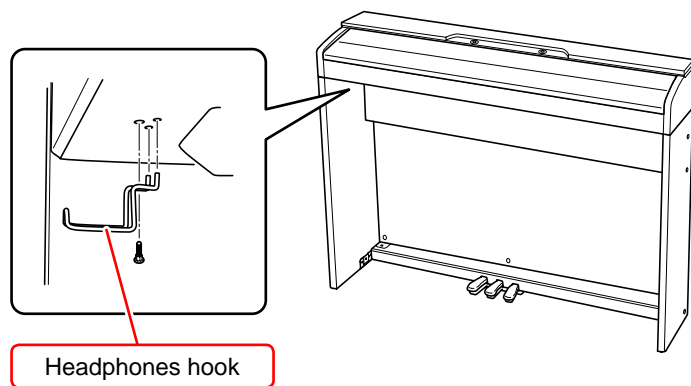
**NOTE:** Disassembling or assembling the stand must be done by two or more people.

**NOTE:** When disassembling or assembling, take precautions, such as closing the key cover and tape it closed, so as not to get a hand caught.

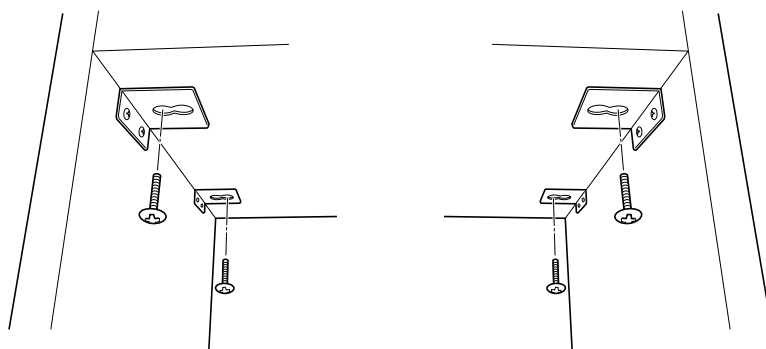
B-1. Disconnect the plug for pedal unit from the pedal connector.



B-2. Undo one screw and then remove the headphones hook.

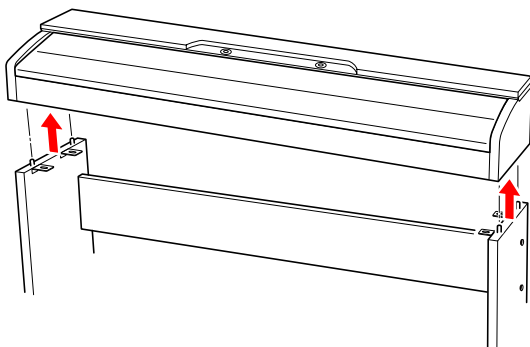


B-3. Undo four screws on the bottom surface.

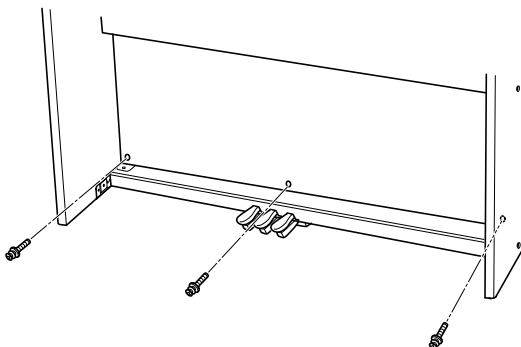


B-4. Place the piano unit on the floor.

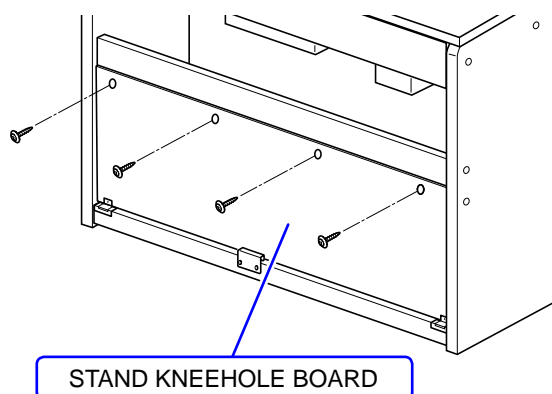
**NOTE:** Please do so with the key cover closed.



B-5. Undo three screws.

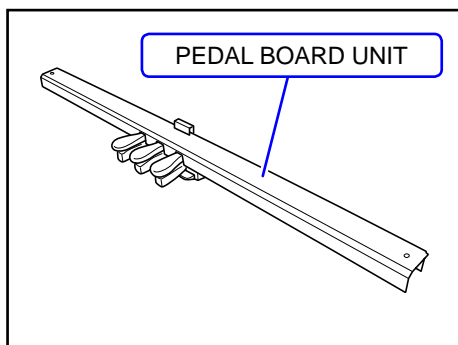


B-6. Undo four screws on the back surface and then remove the STAND KNEEHOLE BOARD.



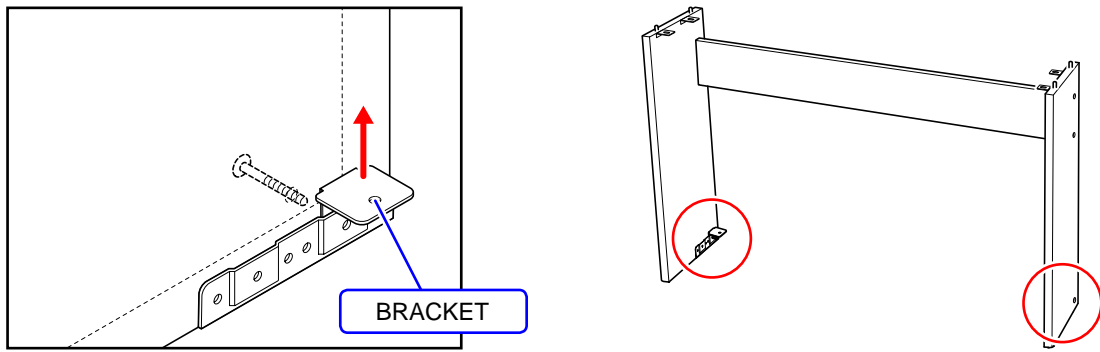
B-7. Remove the PEDAL BOARD UNIT.

**NOTE:** Please refer to the "A. Remove the Pedal Unit".



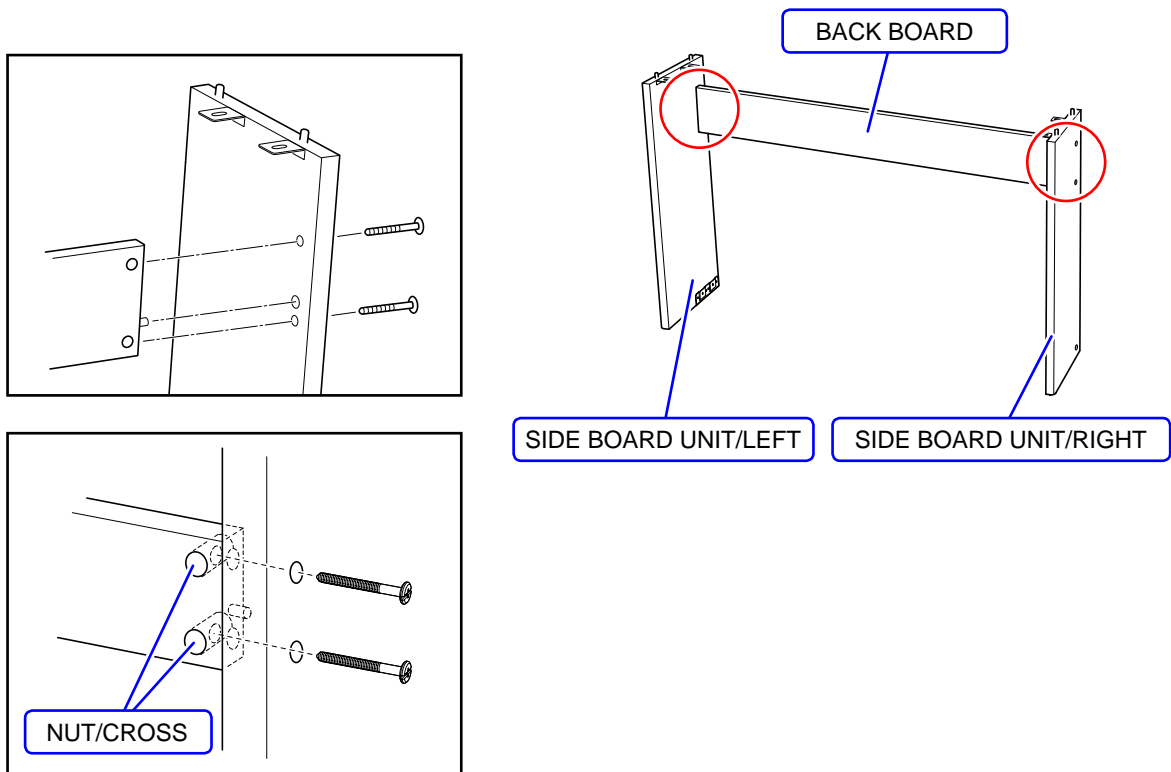
B-8. Loosen one screw and then remove the BRACKET.

**NOTE:** Remove the other side in the same manner.



B-9. Undo four screws and then remove the SIDE BOARD UNIT/LEFT, SIDE BOARD UNIT/RIGHT, and BACK BOARD.

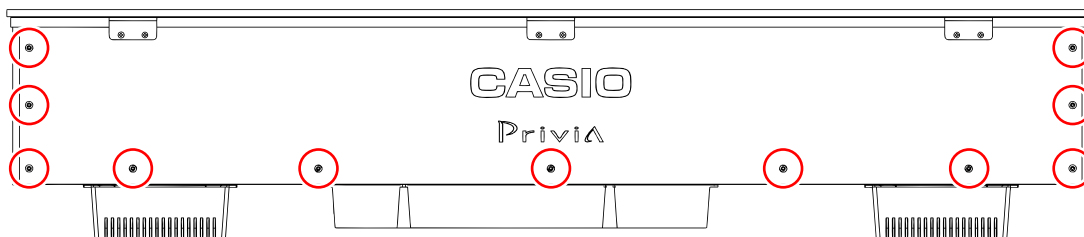
**NOTE:** The NUT/CROSS for the BACK BOARD may come off. Be sure to attach the NUT/CROSS when assembling.



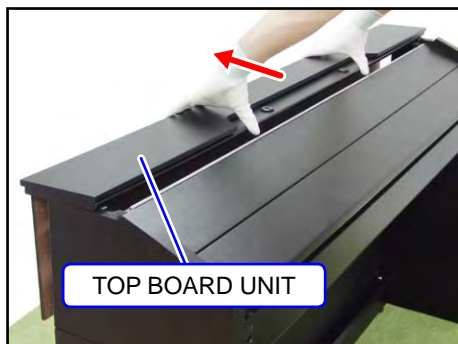


## C. Remove the TOP BOARD UNIT

C-1. Close the piano lid and then undo 11 screws.



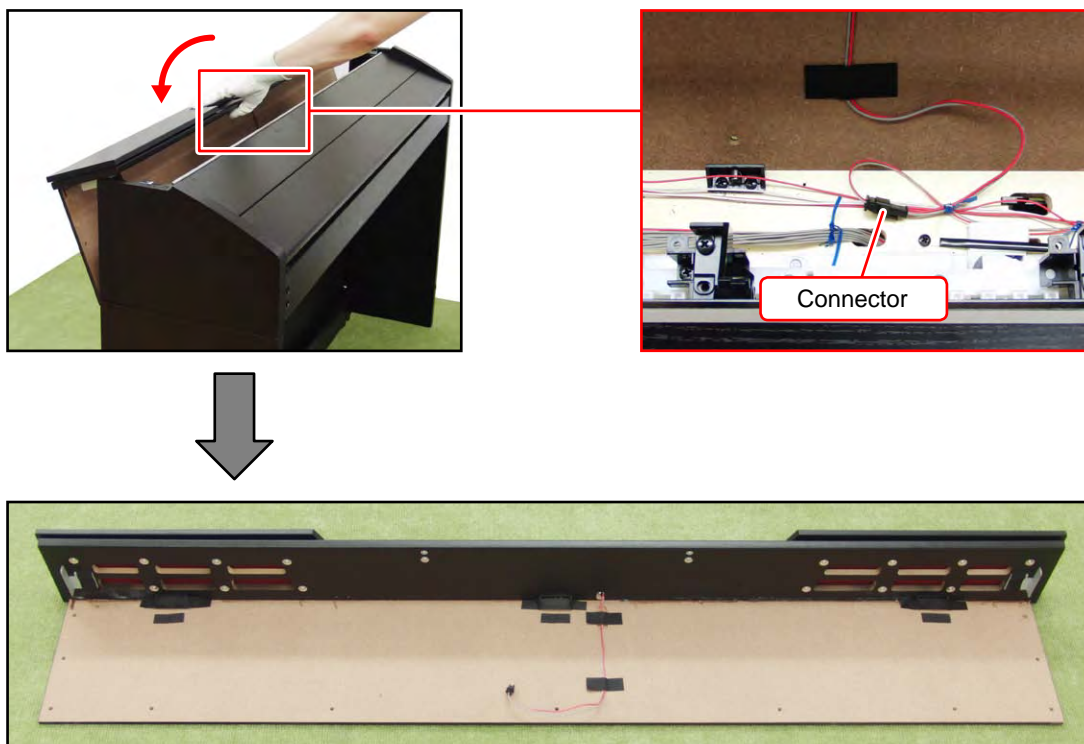
C-2. Slide the TOP BOARD UNIT.



C-3. Slightly open the TOP BOARD UNIT, disconnect the connector for the piano lid switch, and then remove the TOP BOARD UNIT.

**NOTE:** The TOP BOARD UNIT and piano unit are connected with the cable. Use caution when opening the TOP BOARD UNIT.

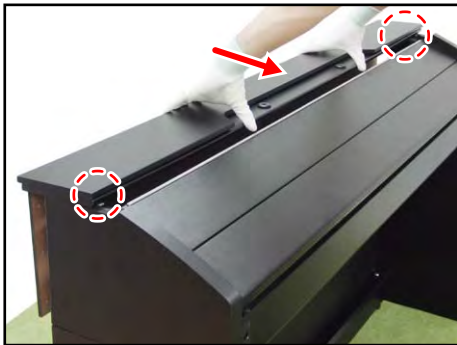
**NOTE:** Be sure to support the TOP BOARD UNIT with a hand so as not to drop the unit.





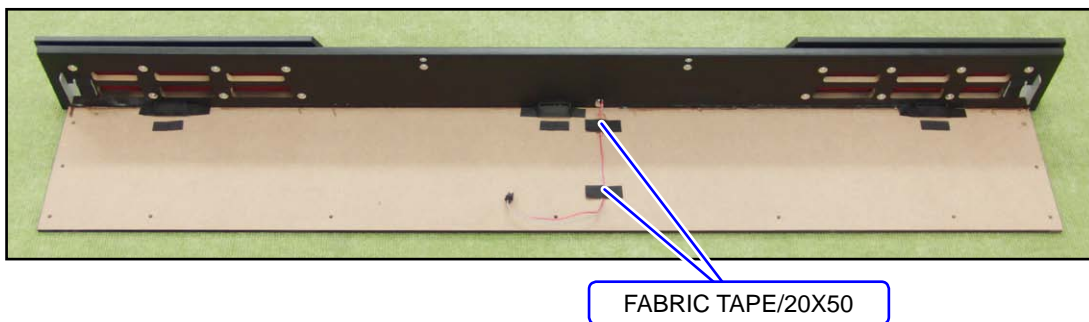
### <Notes on Assembly>

- Assemble the TOP BOARD UNIT so that the brackets on the TOP BOARD UNIT and those on the main case fit.



## D. Remove the SWITCH (for Piano Lid)

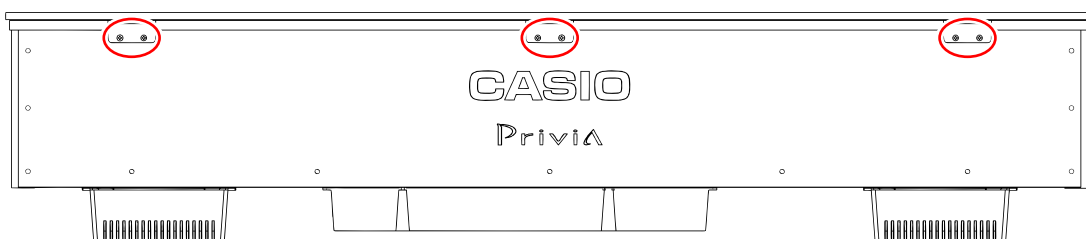
- D-1. Peel off the FABRIC TAPE at two locations, which is securing the cables for the SWITCH.



- D-2. Assemble the TOP BOARD UNIT to the piano unit temporarily.



- D-3. Close the piano lid and then undo six screws.

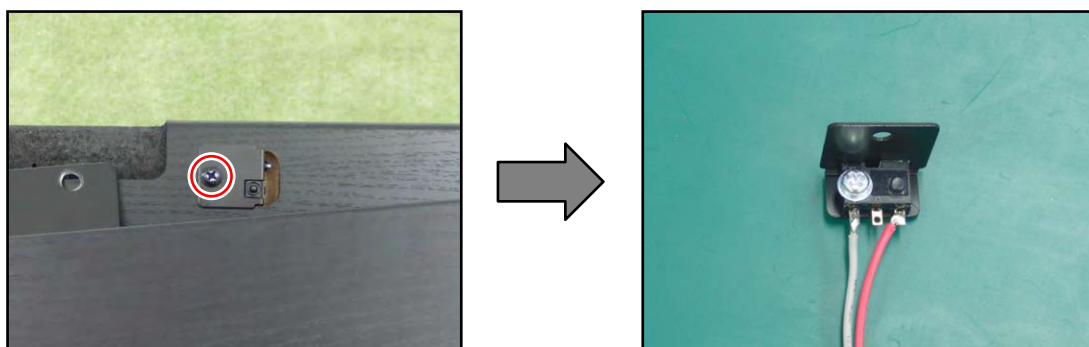


D-4. Slide the top board a little until the piano lid switch is visible.

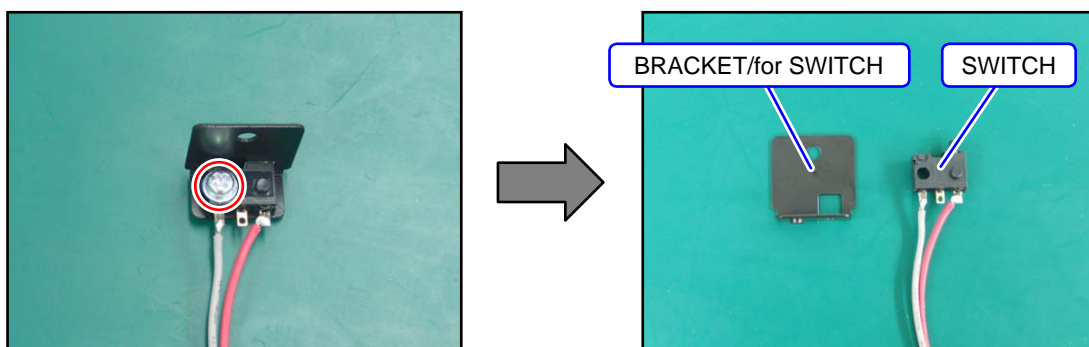
**NOTE:** Use caution not to drop the top board.



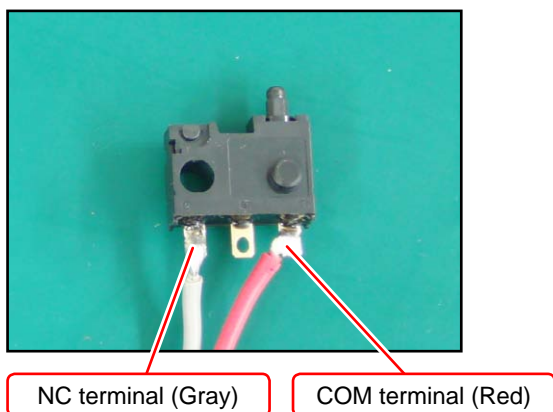
D-5. Undo one screw and then remove the piano lid switch.



D-6. Undo one screw and then remove the SWITCH and BRACKET/for SWITCH.



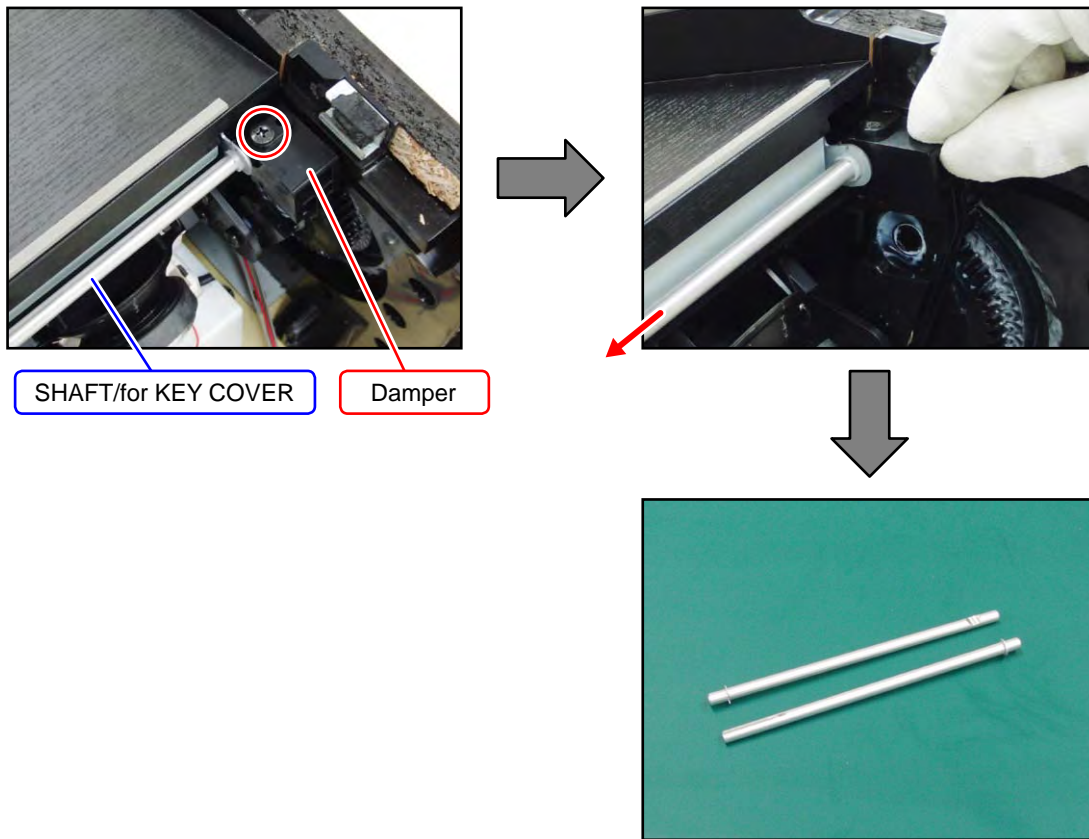
D-7. Unsolder the harness.



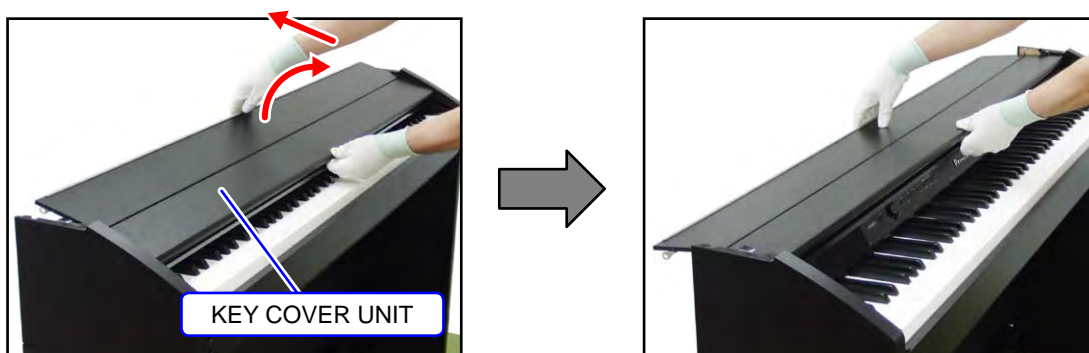
## E. Remove the KEY COVER UNIT

- E-1. Close the key cover.
- E-2. Undo one screw and then while lightly holding the damper in place, remove the SHAFT/for KEY COVER (with the E-RING).

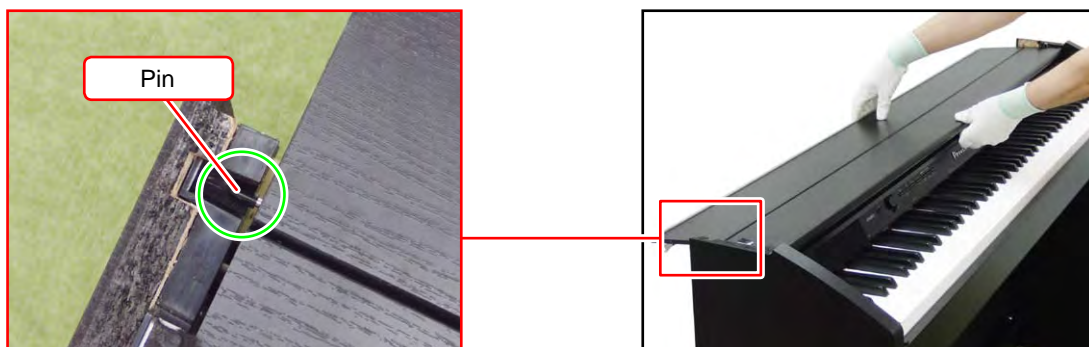
**NOTE:** Remove the other side in the same manner.



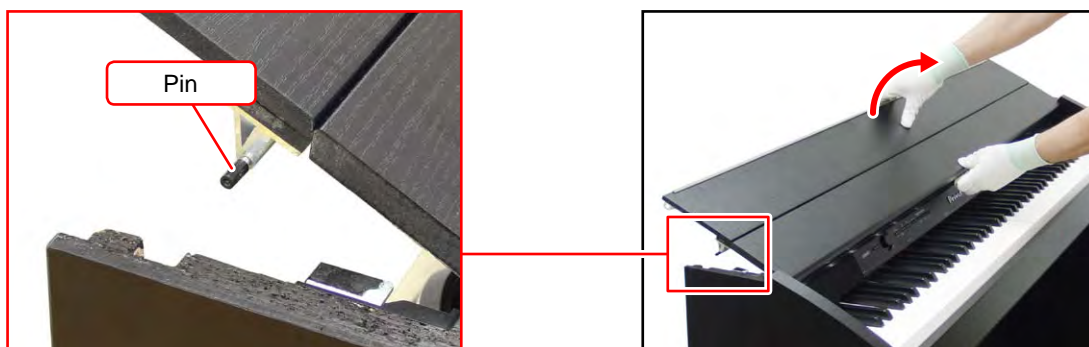
- E-3. While slightly lifting the rear cover of the KEY COVER UNIT, slide the KEY COVER UNIT all the way to the rear.



- E-4. Check that the sliding pin on both sides of the rear cover of the KEY COVER UNIT is visible when seen from above the rail.

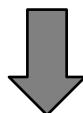


- E-5. Lift the rear cover of the KEY COVER UNIT and then disengage the pins from the rail.



- E-6. While lifting the KEY COVER UNIT, slide the KEY COVER UNIT further toward the rear.

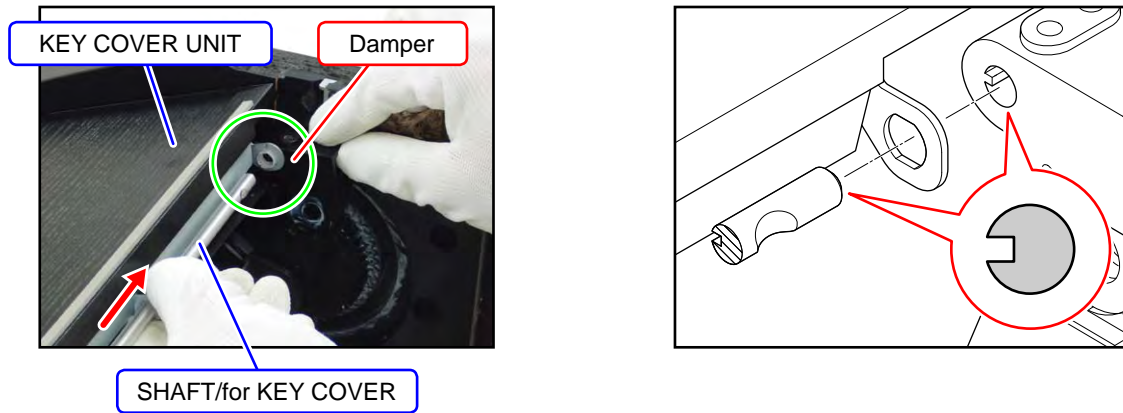
- E-7. In the same manner as when disengaging the pins on the rear cover, disengage the pins on the front cover from the rail and then remove the KEY COVER UNIT.





**<Notes on Assembly>**

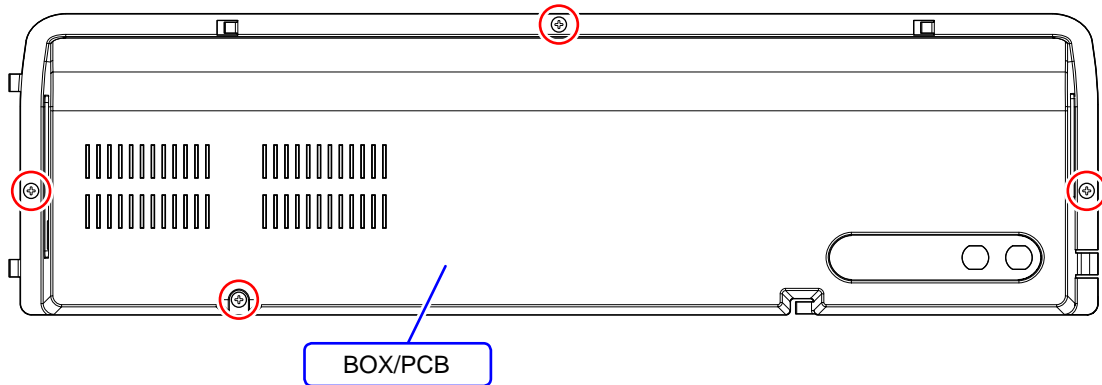
- To assemble the SHAFT/for KEY COVER, slightly lift the KEY COVER UNIT while holding the damper in place, and position the hole to insert the SHAFT/for KEY COVER.
- Align the groove on the SHAFT/for KEY COVER to that on the damper.



**F. Remove the BOX/PCB**

**NOTE:** If you perform the following steps while the piano unit is attached to the stand, use caution as not to drop the BOX/PCB nor apply too much tension to the cables and connectors.

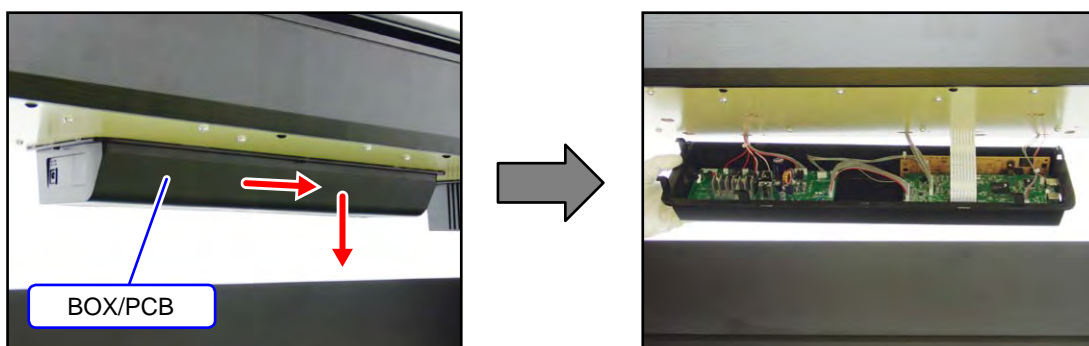
F-1. Undo four screws on the bottom surface.



F-2. Slide the BOX/PCB to remove it.

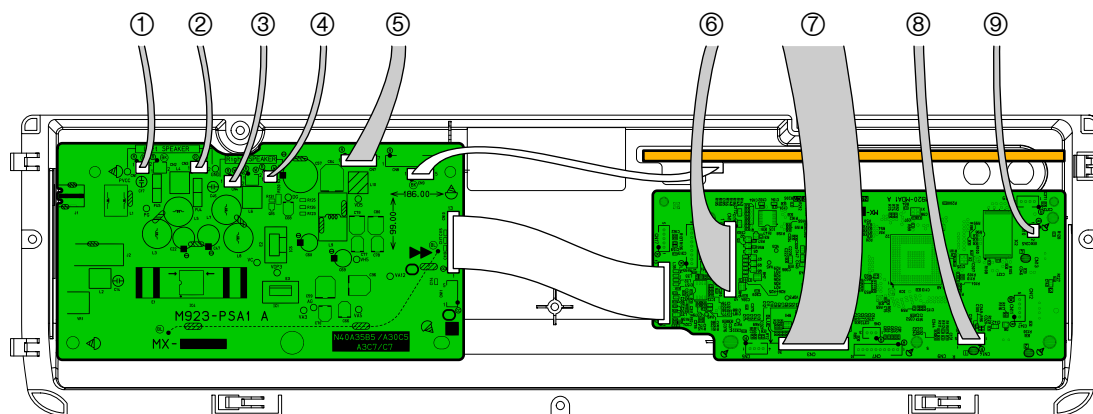
**NOTE:** The BOX/PCB and piano unit are connected with cables. Use caution when removing the BOX/PCB.

**NOTE:** Be sure to hold the BOX/PCB with a hand so as not to add tension to the cables and connectors.



F-3. Disconnect nine connectors and then remove the BOX/PCB.

**NOTE:** Release the connector lock before disconnecting the flat cable.

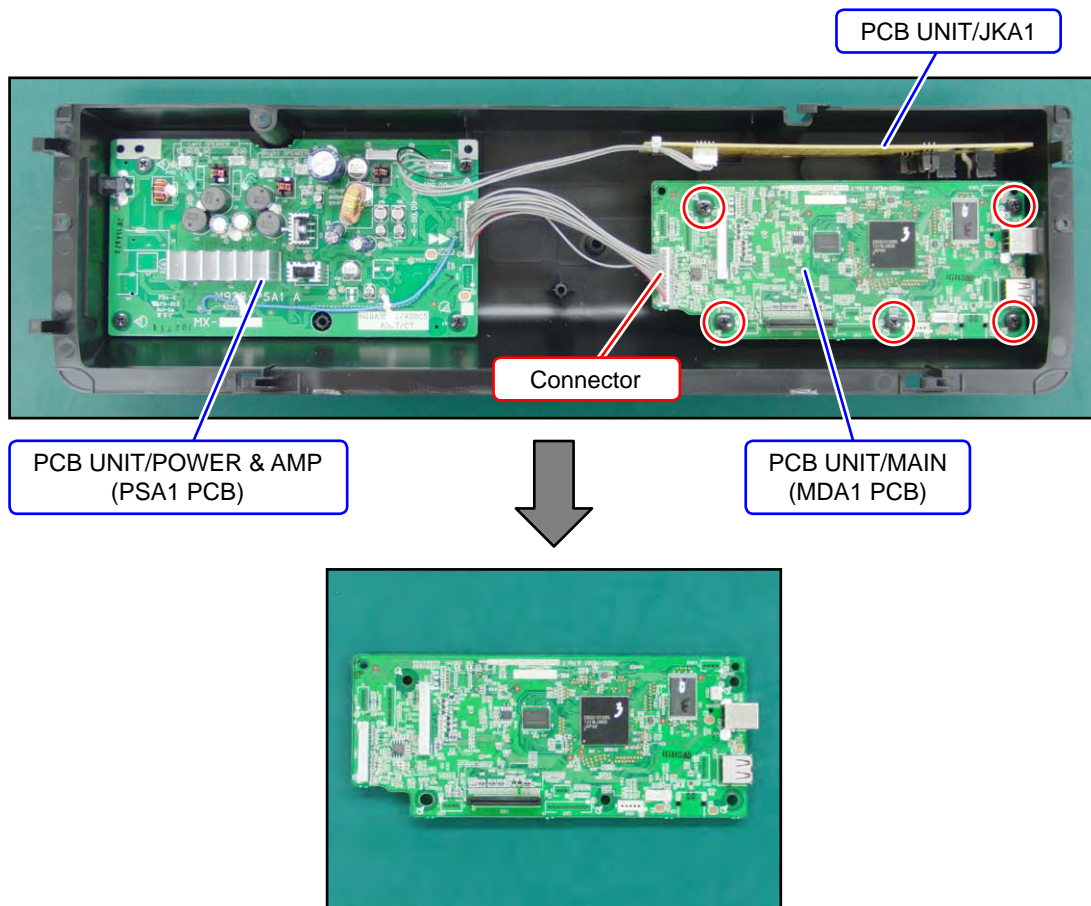


	Type	Connected From	Connected To (CN No.)
①	Harness	Left tweeter	PSA1 PCB (CN1)
②	Harness	Left speaker	PSA1 PCB (CN3)
③	Harness	Right speaker	PSA1 PCB (CN4)
④	Harness	Right tweeter	PSA1 PCB (CN6)
⑤	Harness	HPA1 PCB	PSA1 PCB (CN7)
⑥	Harness	CNA1 PCB	MDA1 PCB (CN1)
⑦	Flat cable	KYB1 PCB	MDA1 PCB (CN3)
⑧	Harness	Pedal connector	MDA1 PCB (CN8)
⑨	Harness	Piano lid switch	MDA1 PCB (CN10)

## G. Remove the PCB UNIT/MAIN

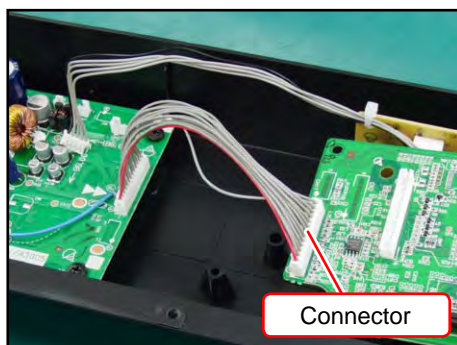
G-1. Disconnect one connector.

G-2. Undo five screws and then remove the PCB UNIT/MAIN.



### <Notes on Assembly>

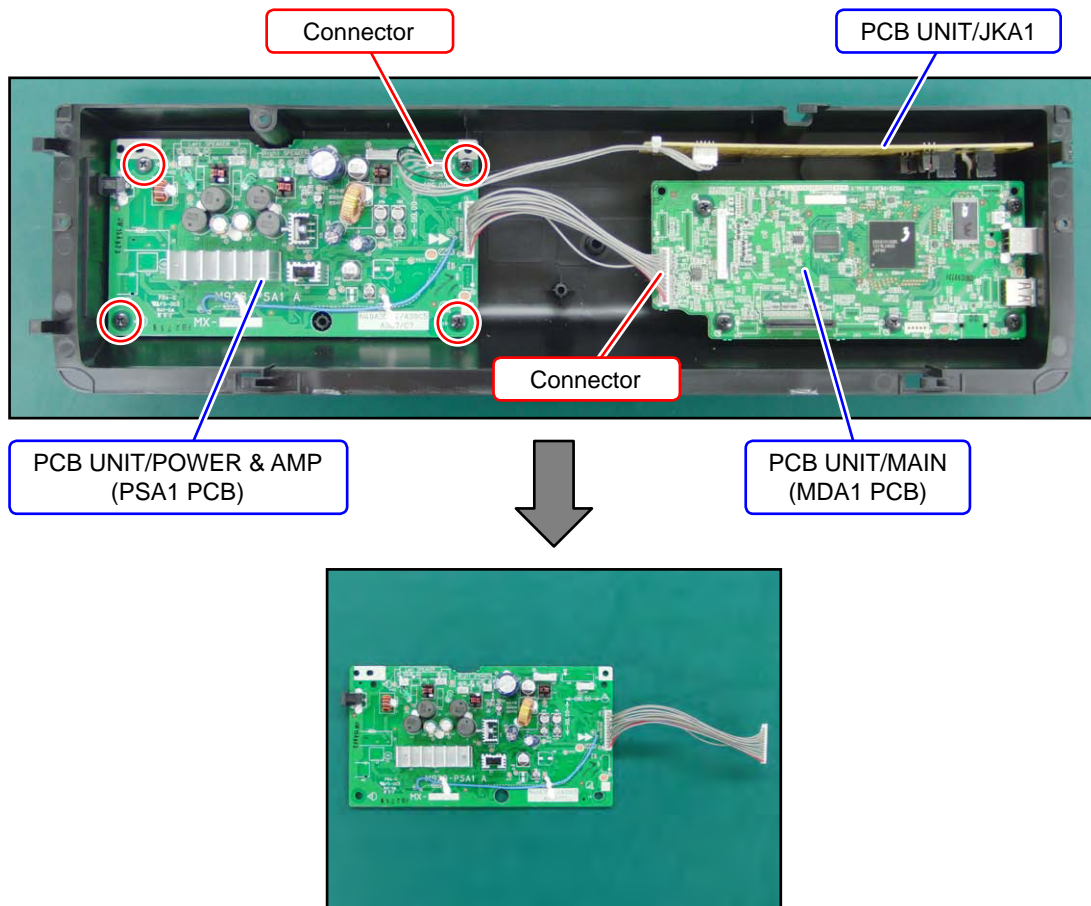
- Connect the connector for the PSA1 PCB before assembling the MDA1 PCB to the BOX/PCB.



## H. Remove the PCB UNIT/POWER & AMP

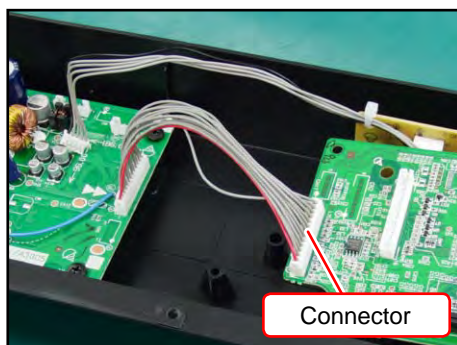
H-1. Disconnect two connectors.

H-2. Undo four screws and then remove the PCB UNIT/POWER & AMP.



### <Notes on Assembly>

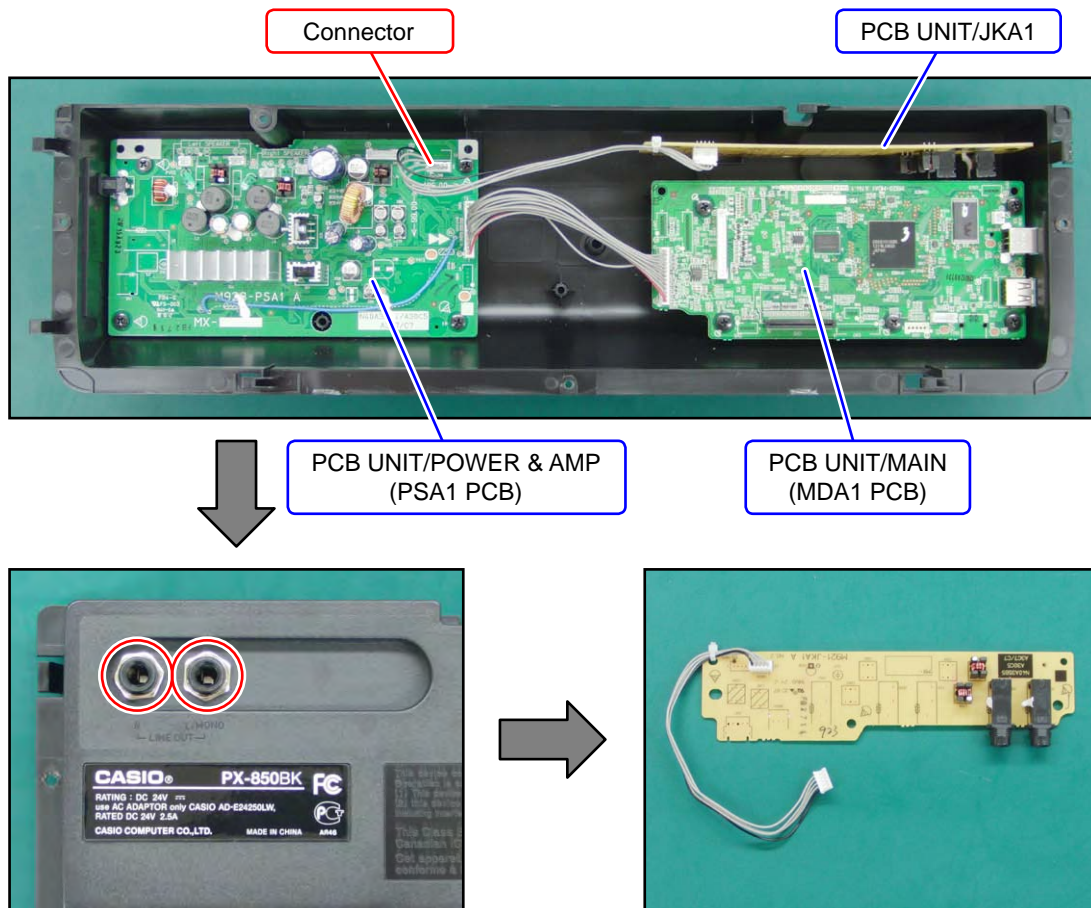
- Connect the connector for the PSA1 PCB with the MDA1 PCB removed.





## I. Remove the PCB UNIT/JKA1

- I-1. Disconnect one connector.
- I-2. Undo two nuts and then remove the PCB UNIT/JKA1.



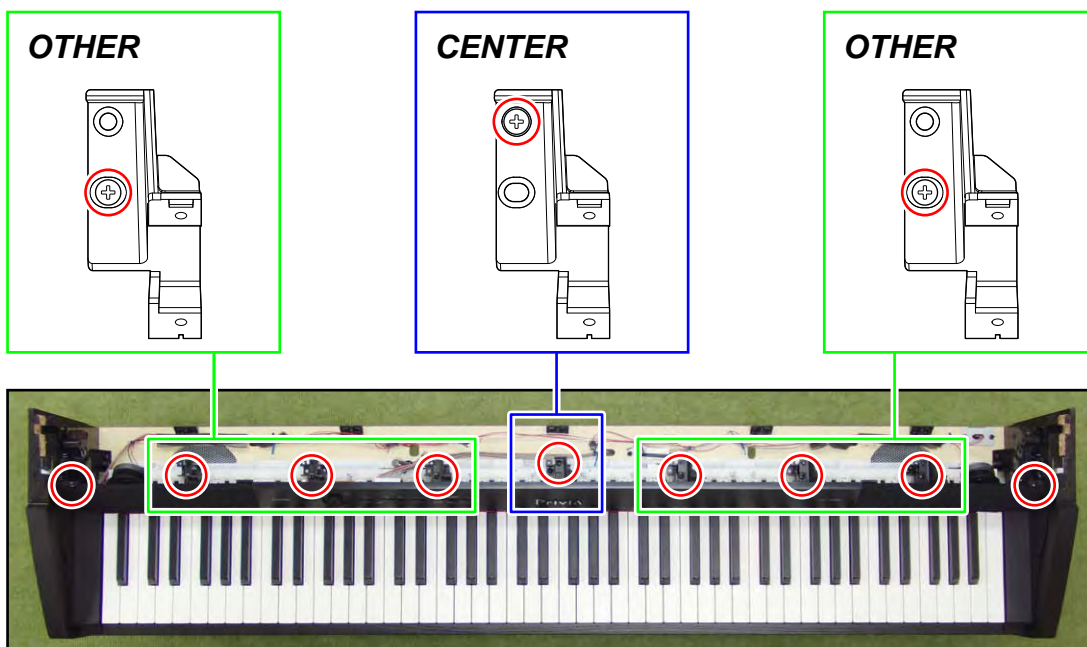
## J. Remove the Console Unit

J-1. Disconnect the connectors for CNA1 PCB and tweeters from the BOX/PCB.

**NOTE:** Please refer to the "F. Remove the BOX/PCB".

J-2. Undo nine screws.

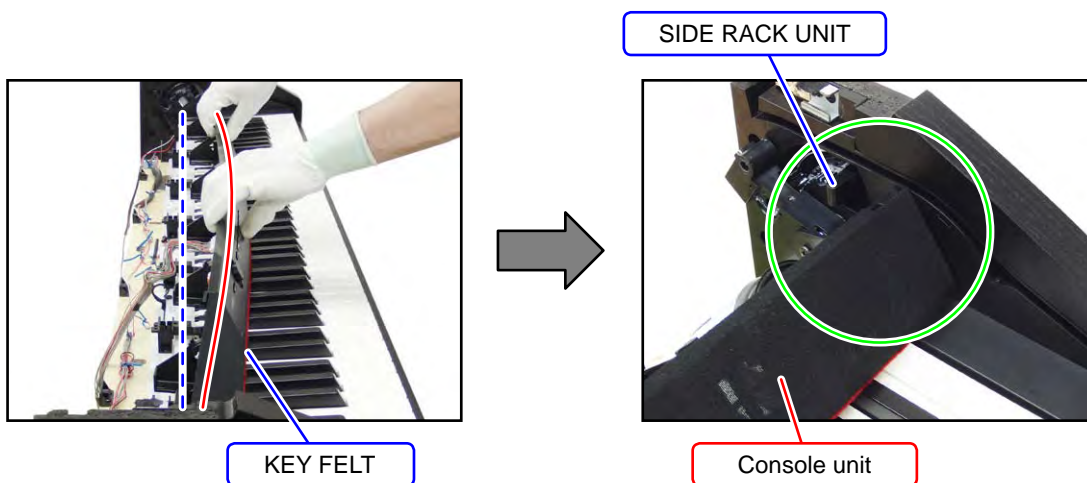
**NOTE:** The center bracket is screwed at a different hole position from the other brackets.



J-3. Lift the console unit until it warps slightly. While maintaining this state, disengage the joint of the SIDE RACK UNIT and the console unit on one side.

**NOTE:** Do not apply too much force. Doing so may damage the digital piano.

**NOTE:** Be careful not to damage the KEY FELT.

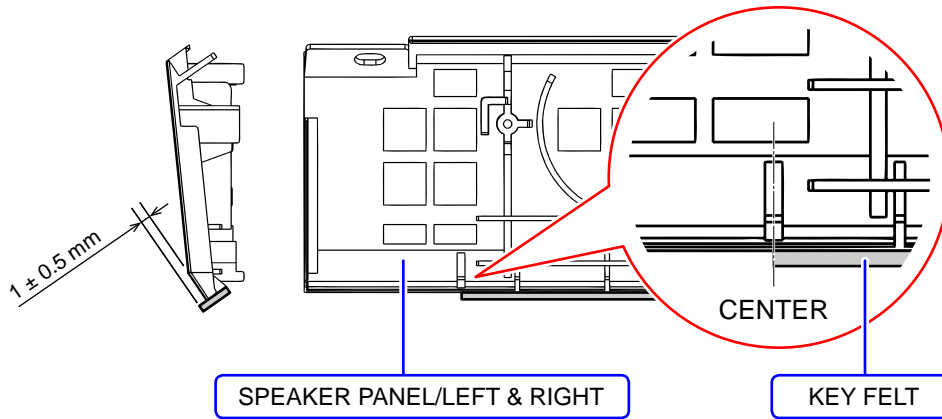


J-4. Disengage the joint on the other side and remove the console unit.



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

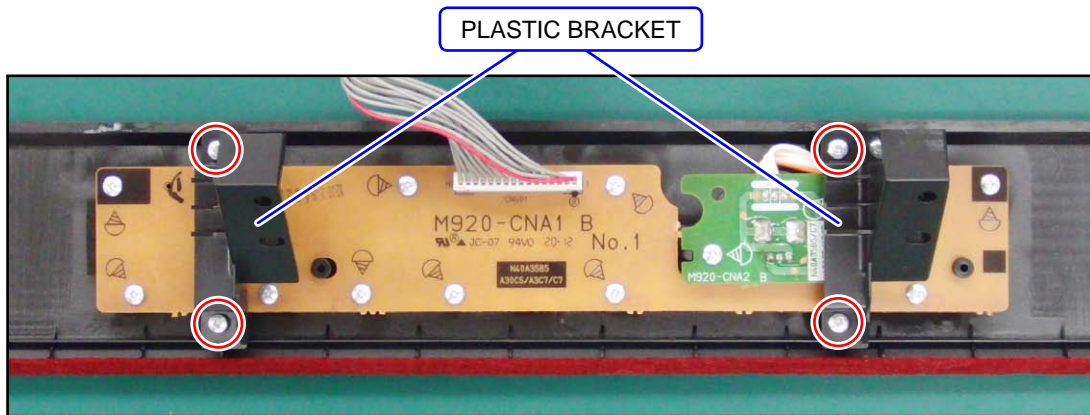
- Attach the KEY FELT as shown below.



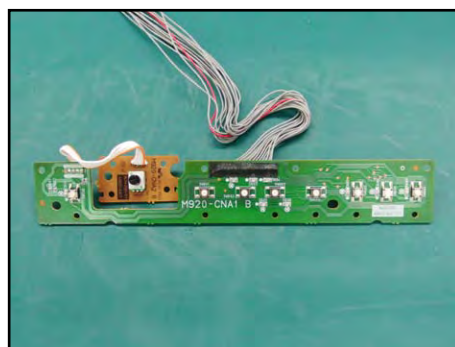
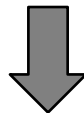
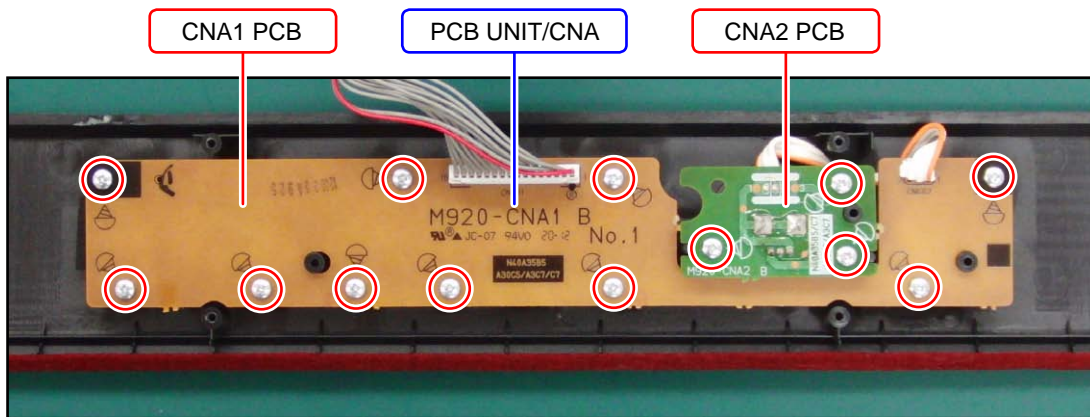
## K. Remove the PCB UNIT/CNA

**NOTE:** The PCB UNIT/CNA consists of the CNA1 PCB and CNA2 PCB.

K-1. Undo four screws and then remove two PLASTIC BRACKET.

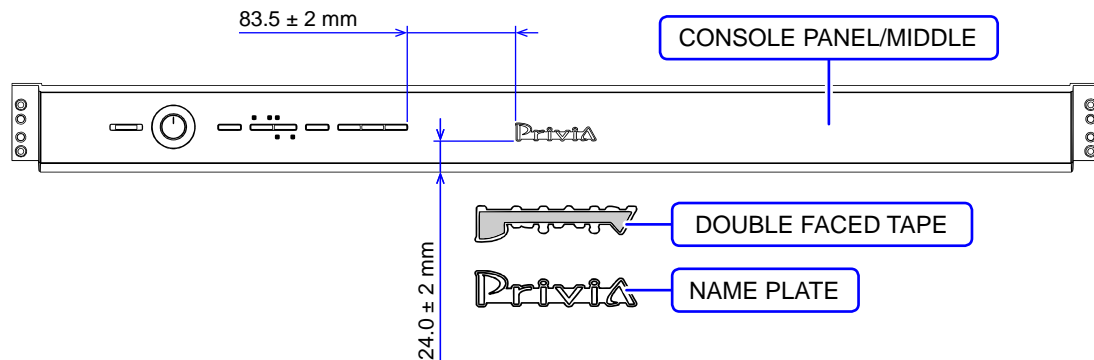


K-2. Undo 13 screws and then remove the PCB UNIT/CNA.



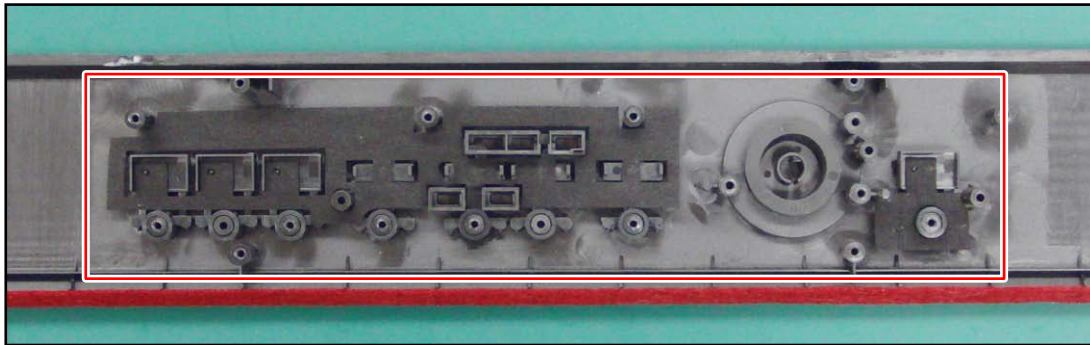
### <Caution When Replacing With New Parts>

- A new CONSOLE PANEL/MIDDLE does not come with the NAME PLATE. When replacing the CONSOLE PANEL/MIDDLE, attach the NAME PLATE with the DOUBLE FACED TAPE.



### <Notes on Assembly>

- Before assembling the PCB UNIT/CNA, check that the KNOB/for ROTARY, TACT BUTTON, LED COVER, LED SPACER, and FABRIC SHEET have been assembled to the CONSOLE PANEL/MIDDLE.



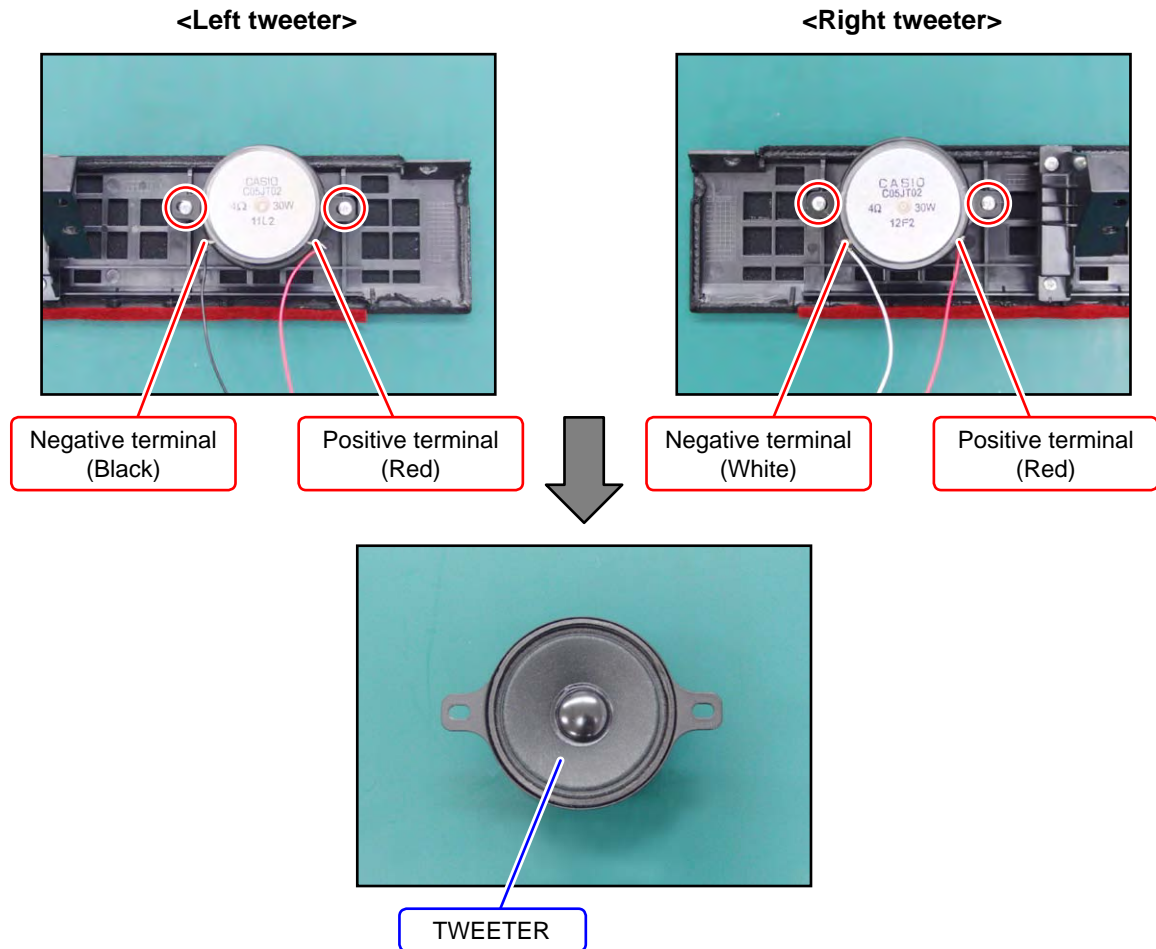


## L. Remove the TWEETER

**NOTE:** The basic procedure to remove the part is the same on both sides.

L-1. Unsolder the harness.

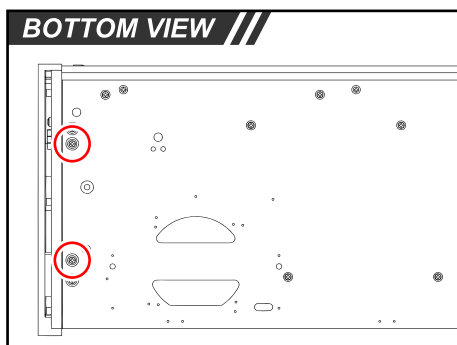
L-2. Undo two screws and then remove the TWEETER.



## M. Remove the SIDE BOARD

**NOTE:** The basic procedure to remove the part is the same on both sides.

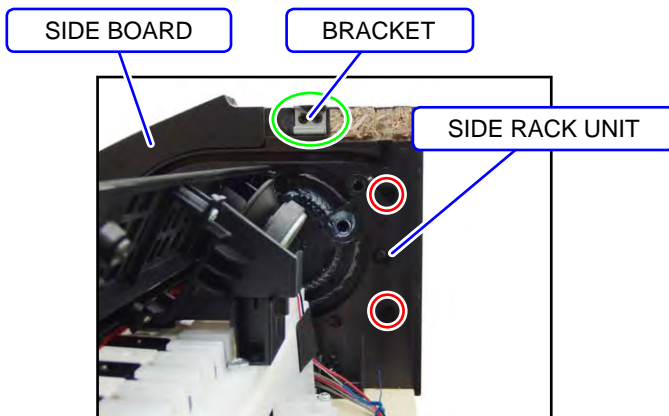
M-1. Undo two screws on the bottom surface.





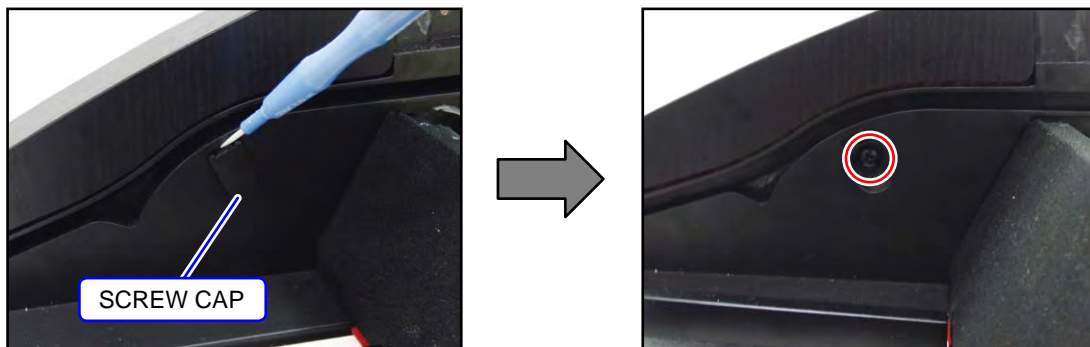
M-2. Undo two screws and then remove the BRACKET.

M-3. Undo two screws.

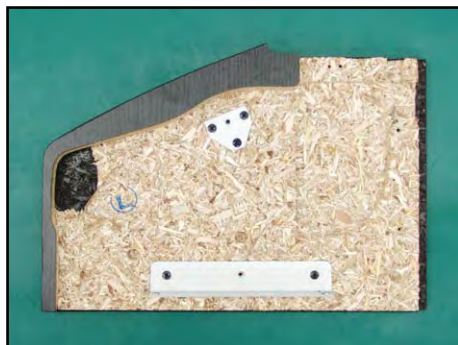


M-4. Remove the SCREW CAP and then undo one screw.

**NOTE:** The SCREW CAP is secured with the DOUBLE FACED TAPE.



M-5. Remove the SIDE BOARD.

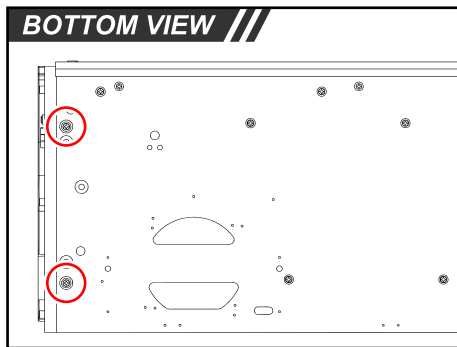


## N. Remove the SIDE RACK UNIT

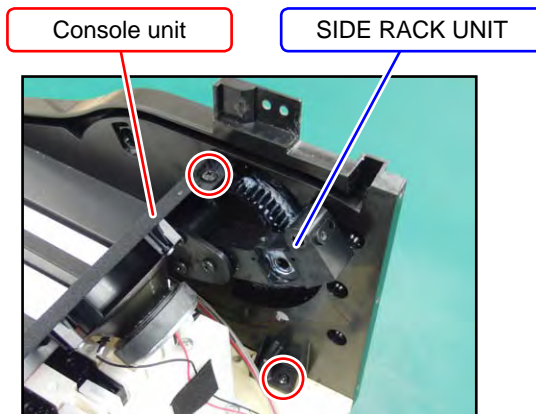
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**NOTE:** The basic procedure to remove the part is the same on both sides.

N-1. Undo two screws on the bottom surface.

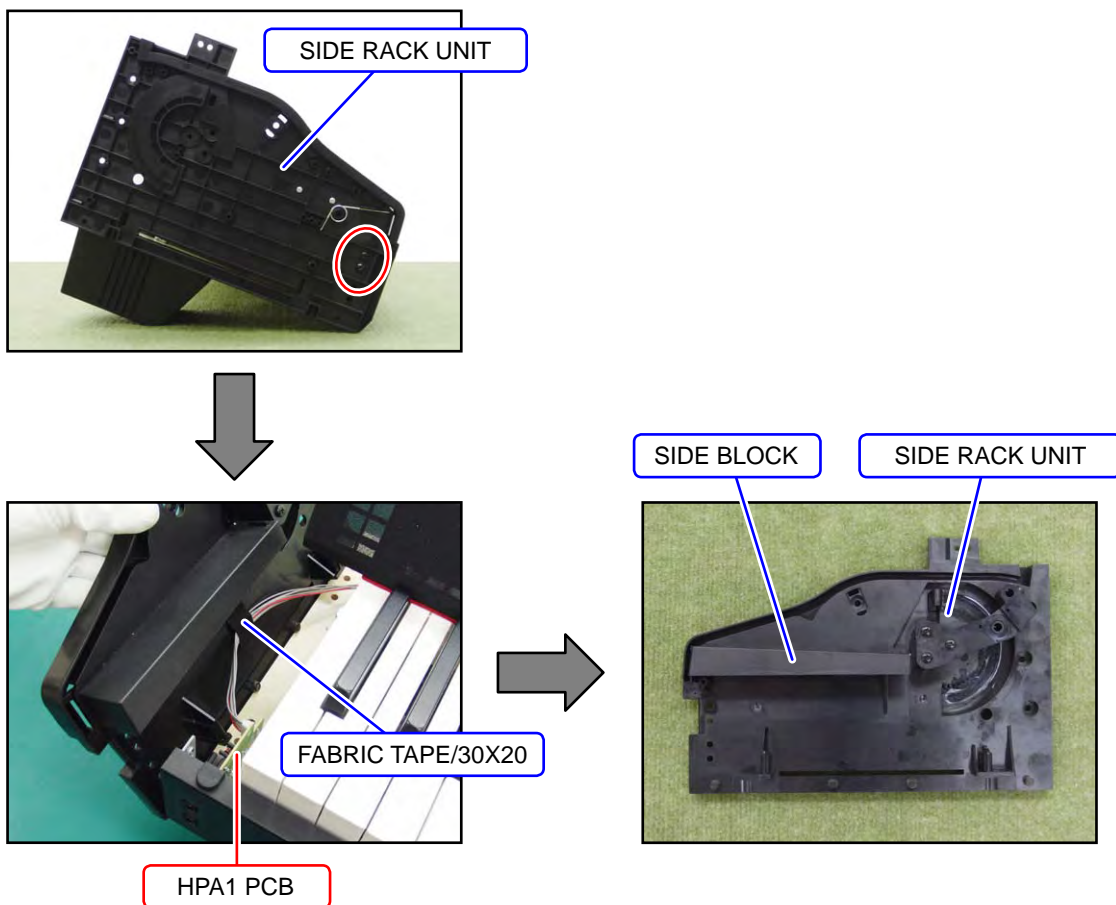


N-2. Undo two screws.

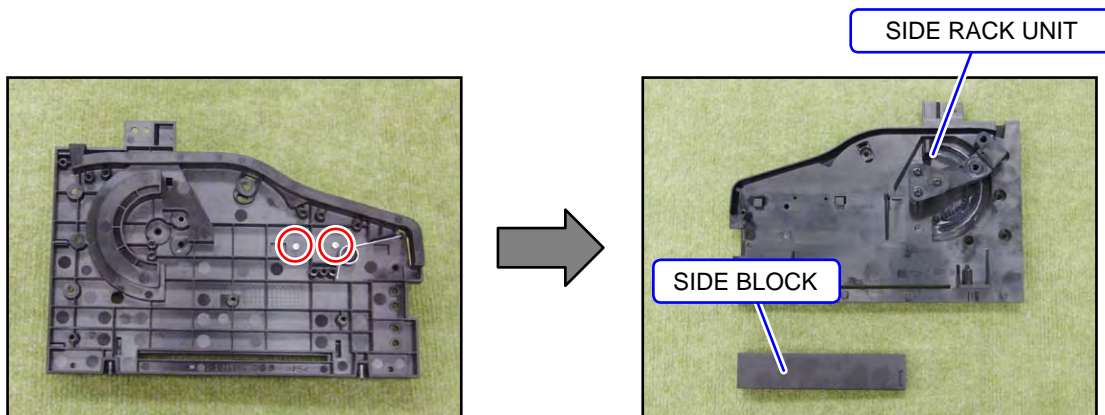


N-3. Undo two screws on the side surface and then remove the SIDE RACK UNIT and SIDE BLOCK.

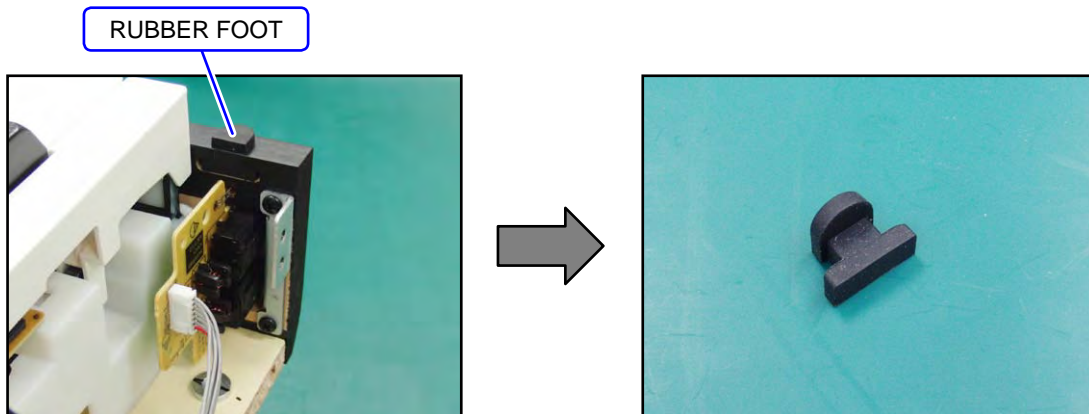
**NOTE:** The cables for the HPA1 PCB are taped on the left SIDE RACK UNIT on the left side with the FABRIC TAPE. Use caution when removing the SIDE RACK UNIT on the left side.



N-4. Undo two screws and then remove the SIDE BLOCK from the SIDE RACK UNIT.



N-5. Remove the RUBBER FOOT.

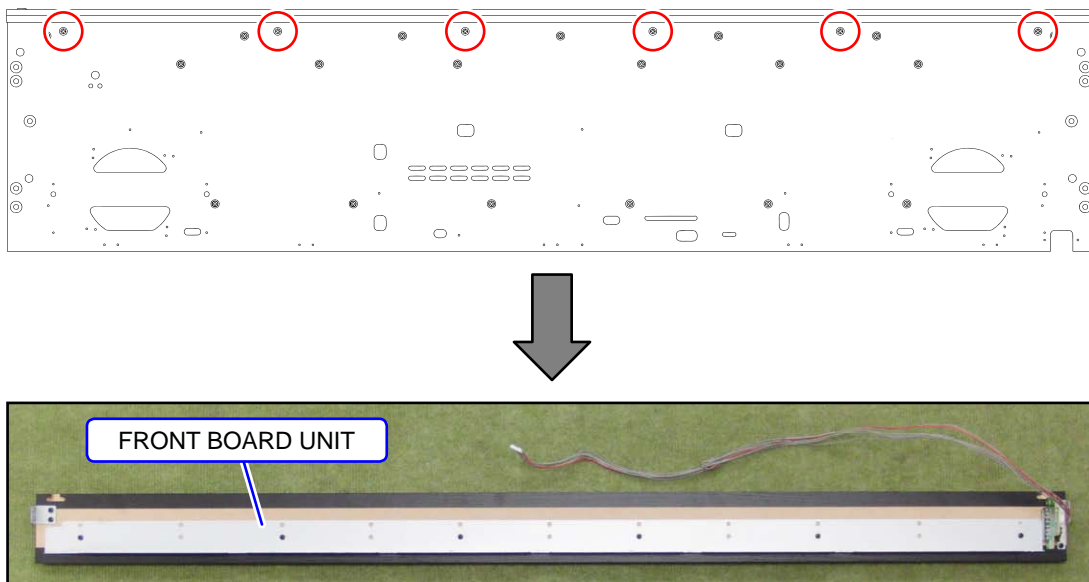


## O. Remove the FRONT BOARD UNIT

O-1. Disconnect the connector for HPA1 PCB from the BOX/PCB.

**NOTE:** Please refer to the “F. Remove the BOX/PCB”.

O-2. Undo six screws on the bottom surface and then remove the FRONT BOARD UNIT.

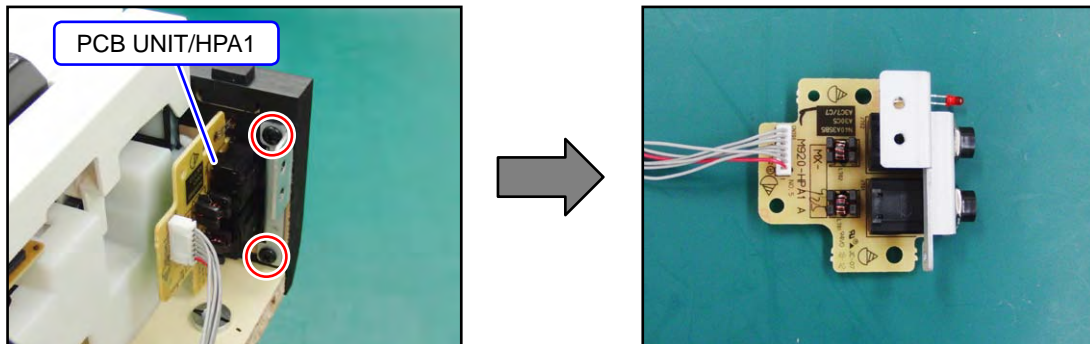


## P. Remove the PCB UNIT/HPA1

P-1. Disconnect the connector for HPA1 PCB from the BOX/PCB.

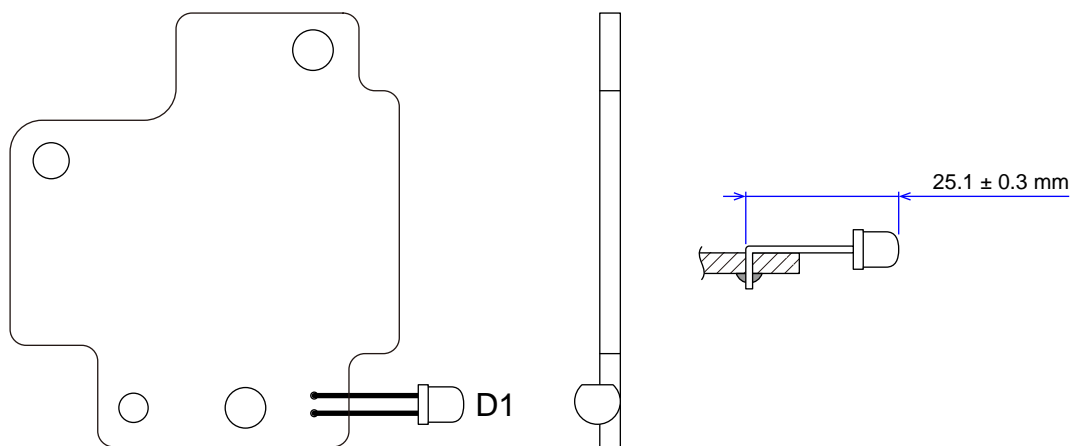
**NOTE:** Please refer to the "F. Remove the BOX/PCB".

P-2. Undo two screws and then remove the PCB UNIT/HPA1.



### <Caution When Replacing With New Parts>

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





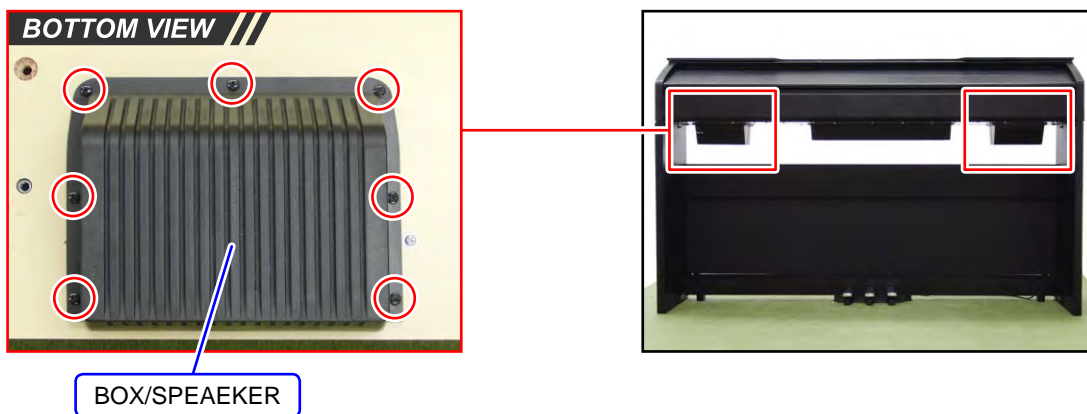
## Q. Remove the SPEAKER

**NOTE:** The basic procedure to remove the part is the same on both sides.

Q-1. To replace the harness for the speaker, disconnect the speaker connector from the BOX/PCB.

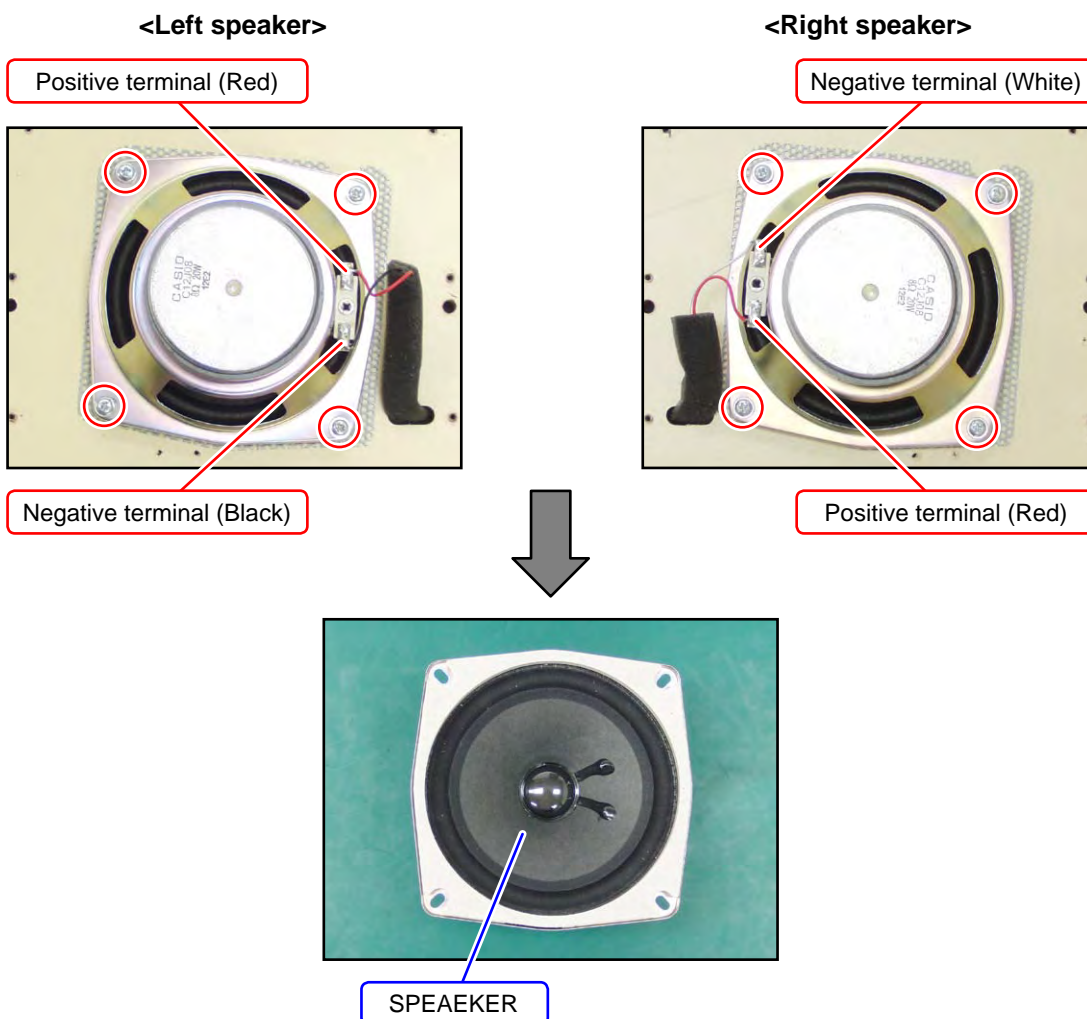
**NOTE:** Please refer to the “F. Remove the BOX/PCB”.

Q-2. Undo seven screws and then remove the BOX/SPEAKER.



Q-3. Unsolder the harness.

Q-4. Undo four screws and then remove the SPEAKER.





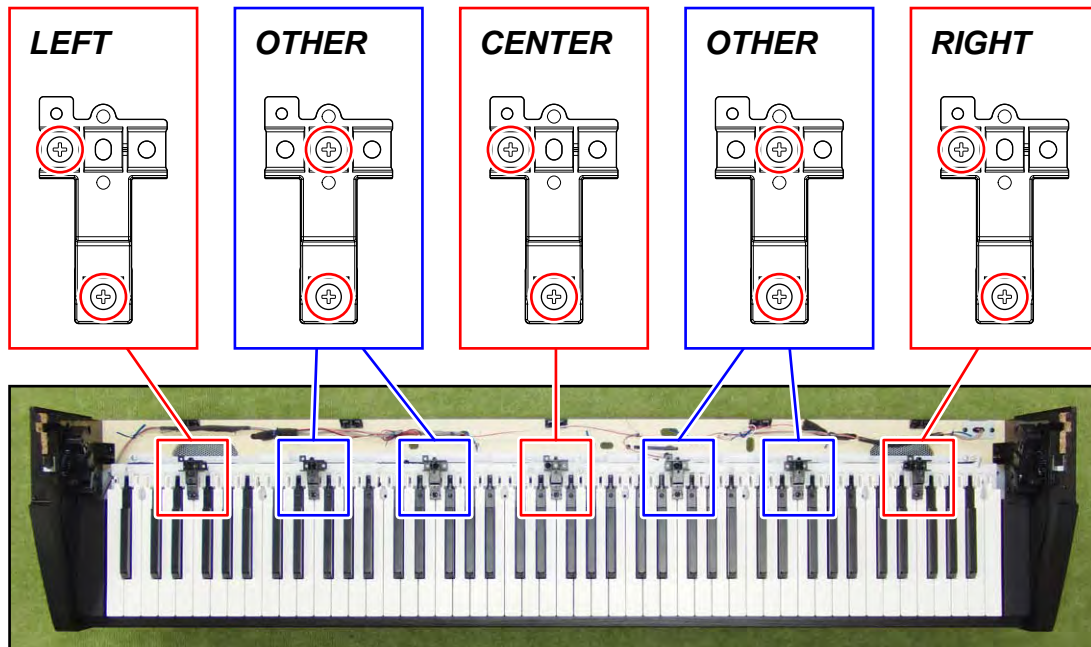
## R. Remove the KEYBOARD UNIT

R-1. Remove the right BOX/SPEAKER.

**NOTE:** Please refer to the "Q. Remove the SPEAKER".

R-2. Undo 14 screws and then remove seven PLASTIC BASE.

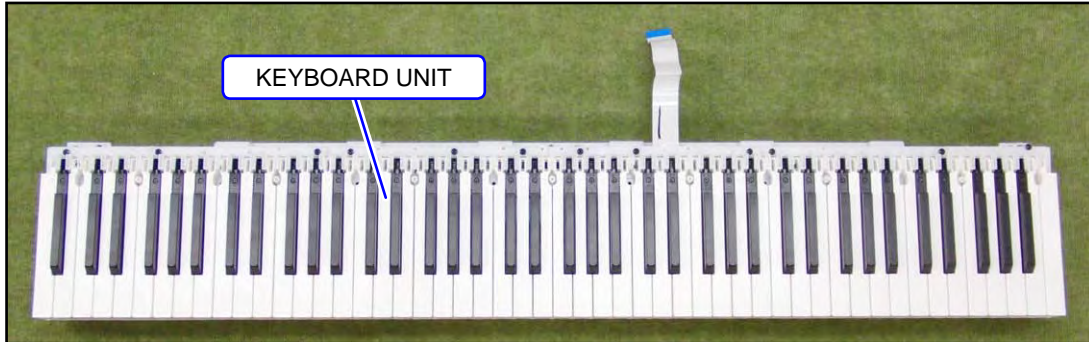
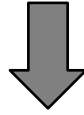
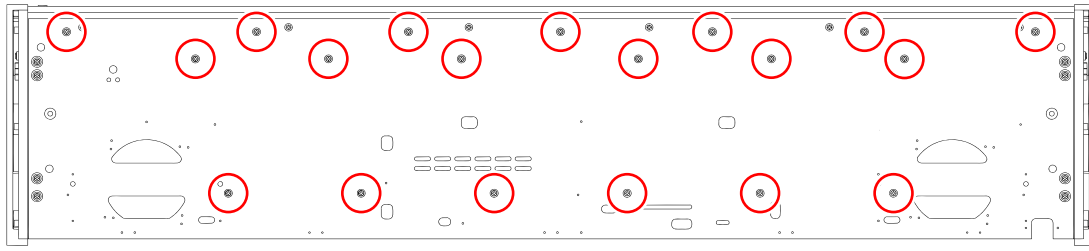
**NOTE:** The PLASTIC BASE at the center and the both ends are screwed at different hole positions from the others.



R-3. Undo three screws.



R-4. Undo 19 screws on the bottom surface and then remove the KEYBOARD UNIT.



## ■ Disassembly of the KEYBOARD UNIT

### A. Remove the KEY

#### <Removing the Keys>

- To remove the keys, you will need two of the tools described below.
- Before removing a black key, you must first remove both white keys on either side of the black key.
- White keys may be removed with the same procedures as removing black keys.

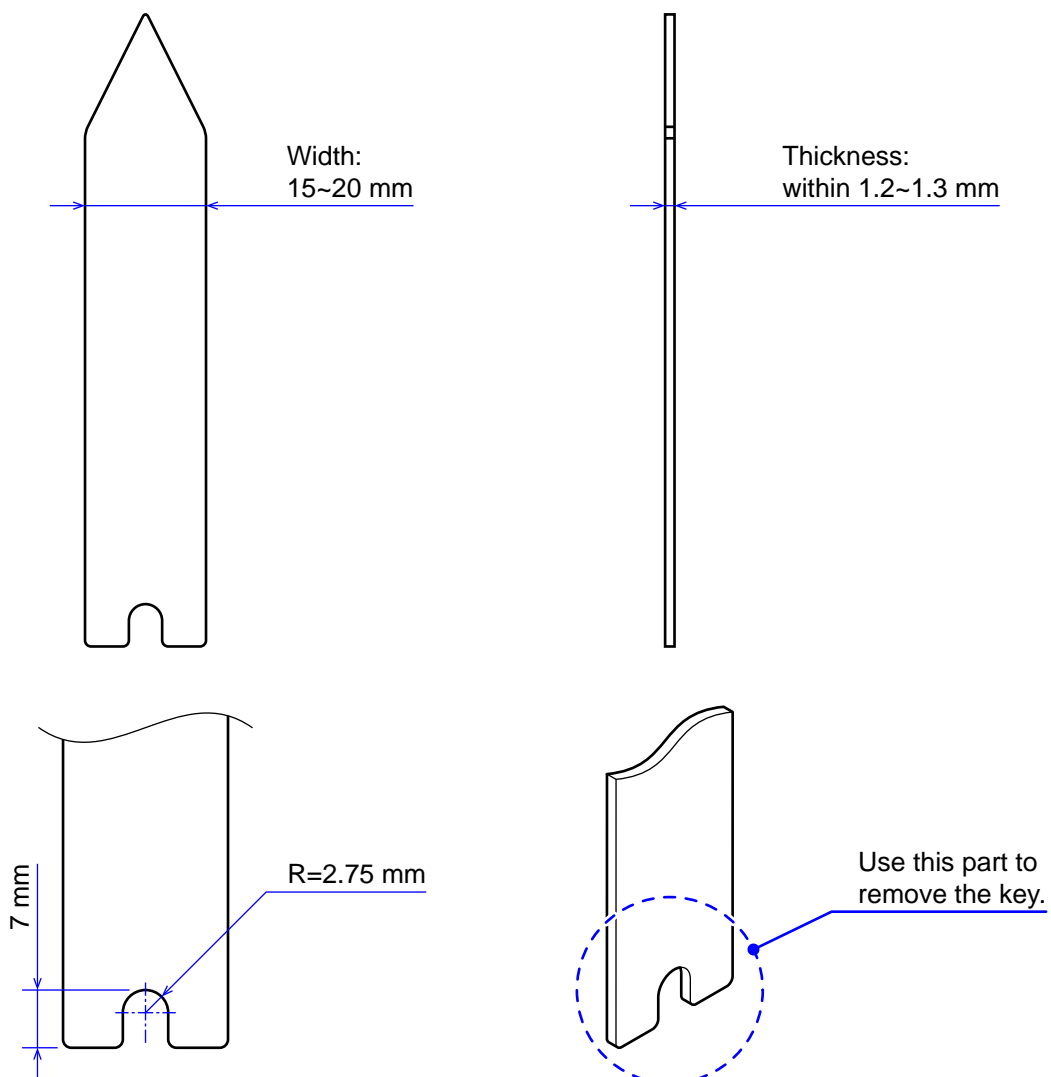
#### <Tool>

- The tool used in the photos in this section was converted from a gardening ID tag. The size and shape of an ID tag accord to the dimensions below.

#### <Note on Shaping an ID Tag>

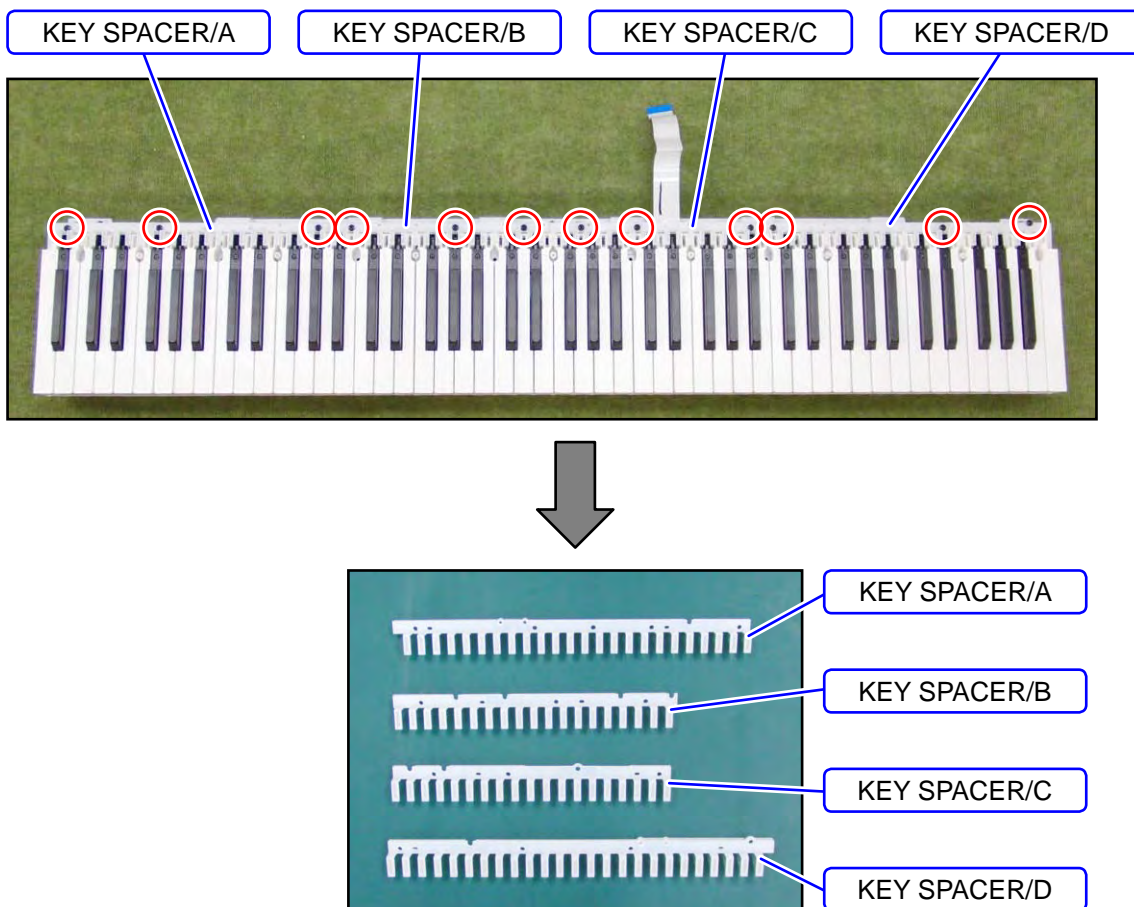
- The thickness of the tool must be within 1.2 ~ 1.3 mm. If the tool is too thin, removing keys become difficult. If the tool is too thick, it may damage the rib of the chassis.

#### <Tool Dimensions>



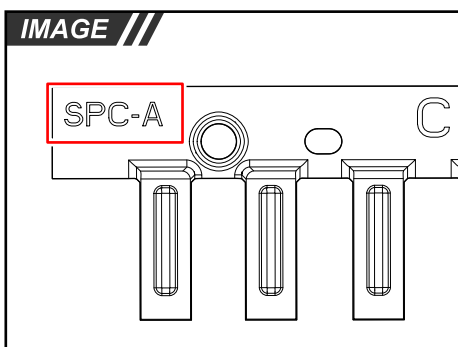
A-1. Undo 12 screws and then remove four KEY SPACER.

**NOTE:** There are four types of the KEY SPACER. Be sure to use the correct type when assembling.



**<How to Identify KEY SPACER>**

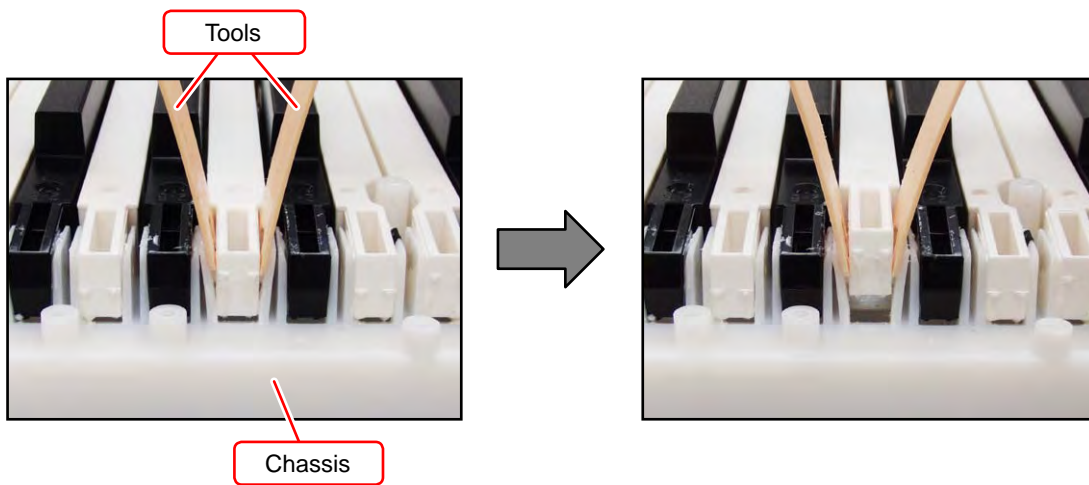
- There is an identification marking on the upper right or upper left of the KEY SPACER.



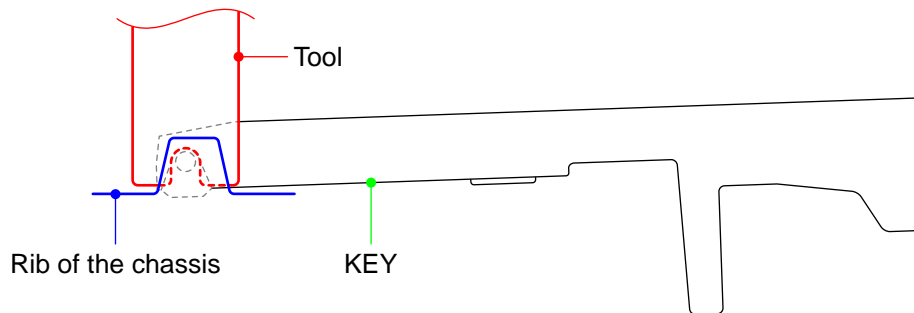
Parts Name	Marking
KEY SPACER/A	SPC-A
KEY SPACER/B	SPC-B
KEY SPACER/C	SPC-C
KEY SPACER/D	SPC-D

A-2. Insert the two tools between the rib of the chassis and a key and then remove the key.

**NOTE:** When you insert the tools to a certain extent, the latch which fixing the key is disengaged and the keys are lifted for removal.



<Cross-section Image>







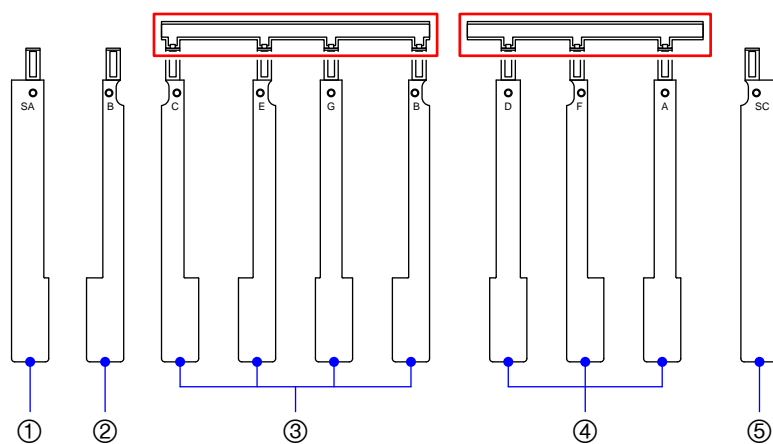
### <Caution When Replacing With New Parts>

- A set of new white keys consists of the parts below.

**NOTE:** Remove the part indicated with a red line before use.

**NOTE:** The parts for the keys at both ends and the second one from the left end differ from the other keys with the same notes.

	Parts Name	Note	Remarks
①	WHITE KEY/SA	SA (A)	Designated for the left end
②	WHITE KEY/B	B	Designated for the second key from the left end
③	WHITE KEY/CEGB	C/E/G/B	A set of C/E/G/B
④	WHITE KEY/DFA	D/F/A	A set of D/F/A
⑤	WHITE KEY/SC	SC (C)	Designated for the right end

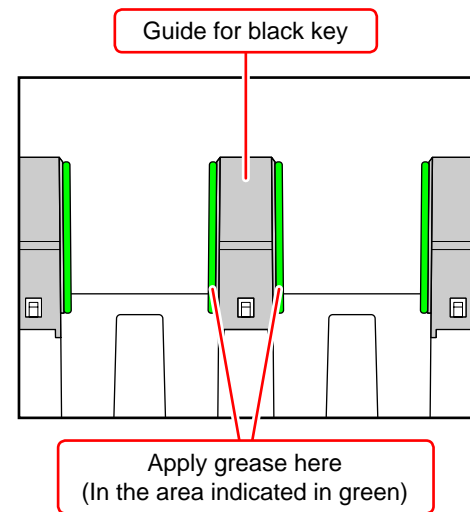
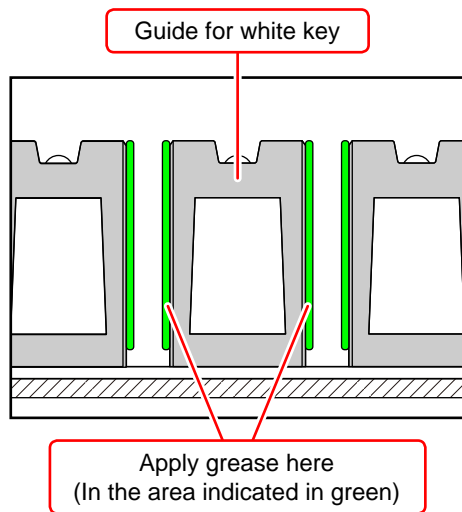
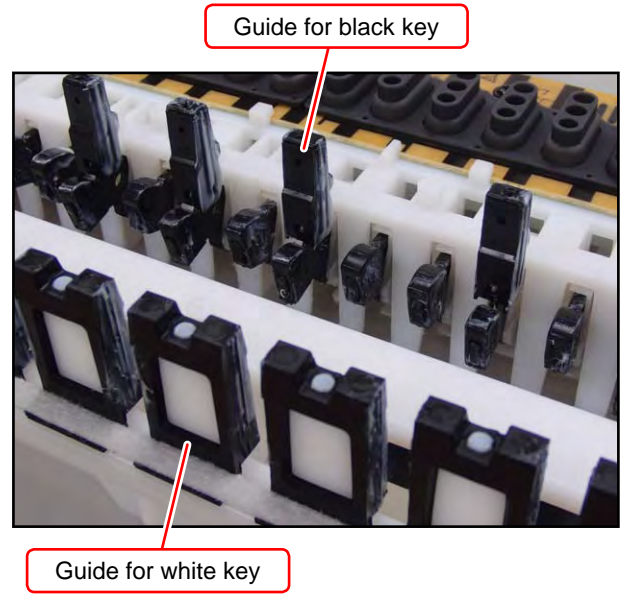


### <Applying Grease>

- Apply grease on the guide for keys as necessary after the keys are replaced.

**NOTE:** Apply grease on the side of the guide for keys.

Code No.	Parts Name	Specification
94816509	SILICONE GREASE	G-501.80G-PC



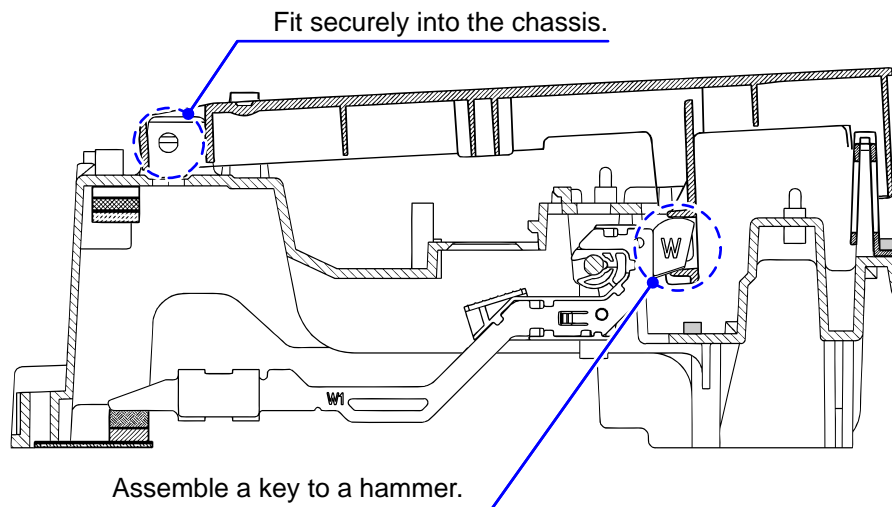
### <Installing the Keys>

- Follow the steps below to install the white and black keys.

**NOTE:** The white keys must be arranged in a specific order. Install them according to the correct order of the note. Be sure to install the white key at a hammer for a white key.

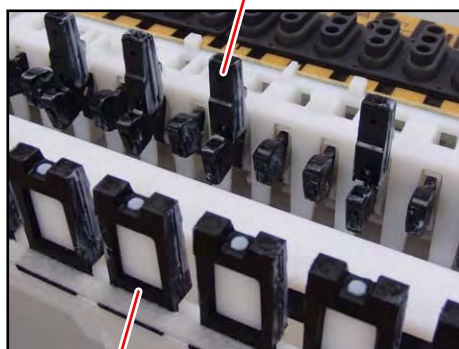
**NOTE:** Install a black key before installing the white keys on its sides. Be sure to install the black key at a hammer for a black key.

- (1) Assemble a key to a hammer.
- (2) Press the key to fit the hole of the key with the protrusion of the chassis.
- (3) Press the key and check to see if it moves properly.



### <Locations to Install the White and Black Keys>

- Install a white key in the position of a guide for white key.
- Install a black key in the position of a guide for black key.



Guide for white key

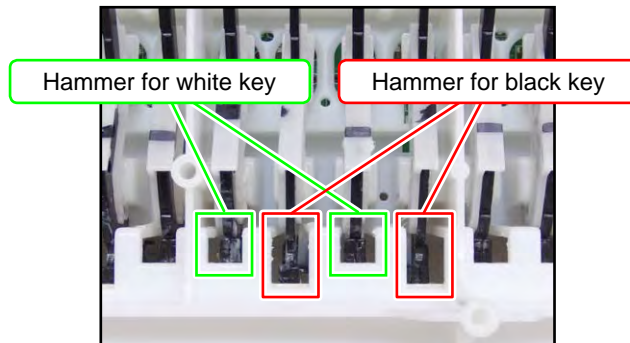
Guide for black key

## B. Remove the HAMMER

B-1. Place the chassis upside down so that the hammers are visible.

### <Identifying the Hammers When Placed Upside Down>

- The size chassis hole differs between white and black keys. The hammer for a black key goes into a bigger hole, while the hammer for a white key goes into a smaller hole.



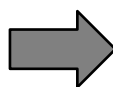
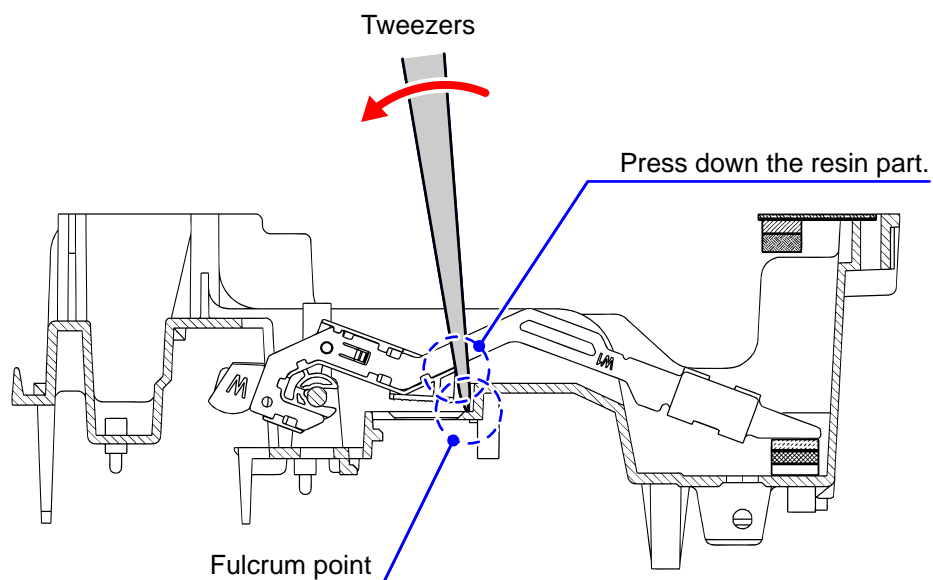
B-2. Press the chassis with the tip of tweezers.

B-3. While catching a hammer with tweezers, set the tweezers against the resin part of the chassis.

B-4. Using the chassis-tweezer contact as a fulcrum point, press down against the resin part in the direction of the red arrow shown below, and then disengage the hammer.

**NOTE:** You must press the resin part of the hammer. Pressing on the metal part of the hammer may damage the area connected to the resin.

**NOTE:** If a hammer does not disengage easily, perform the steps while lifting the hammer.

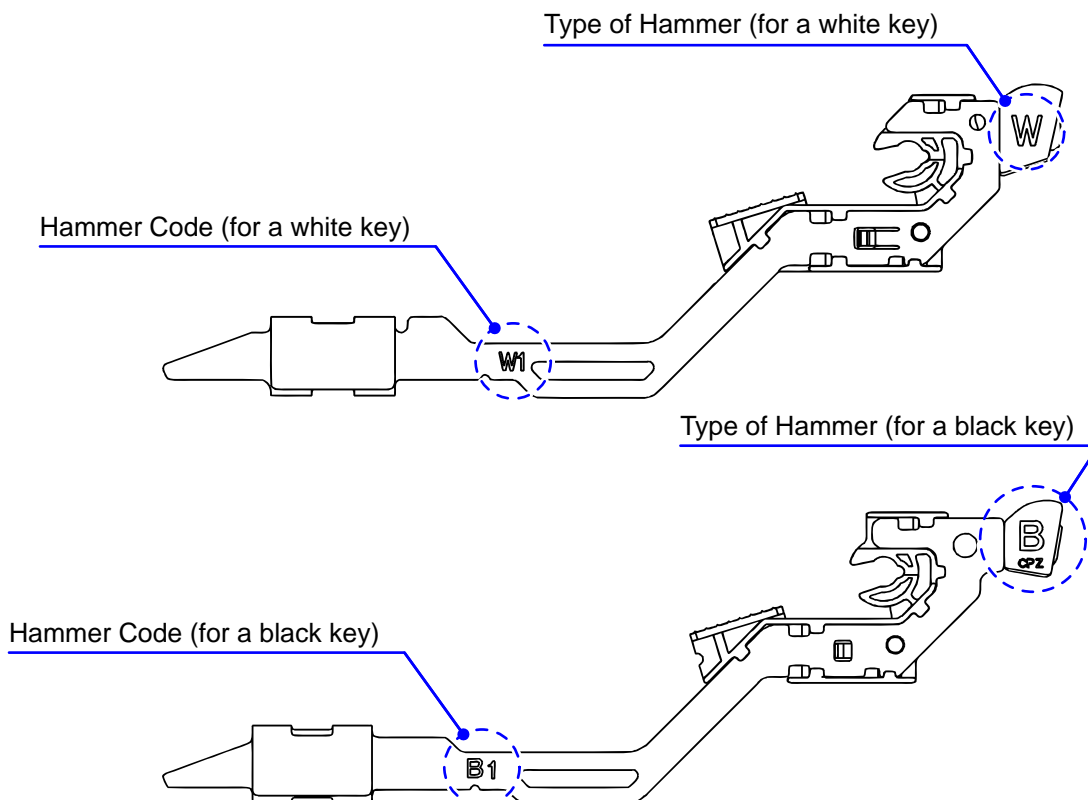


### <Kinds of Hammers>

- There are several kinds of hammers. The type of a hammer may be identified by the code engraved on it.

**Type of Hammer:** "W" for a white key, "B" for a black key.

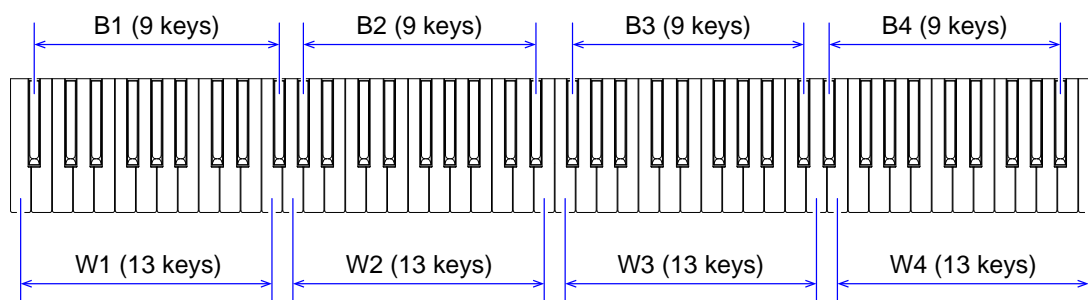
**Hammer Code:** The hammers for white keys are coded W1, W2, W3, and W4.  
The hammers for black keys are coded B1, B2, B3, and W4.



### <Location to Install the Hammers>

- A hammer must be installed at the correct location according to its type. The combination of hammers and keys are shown below.

#### <Hammers for black keys>



#### <Hammers for white keys>

### <Installing the Hammers>

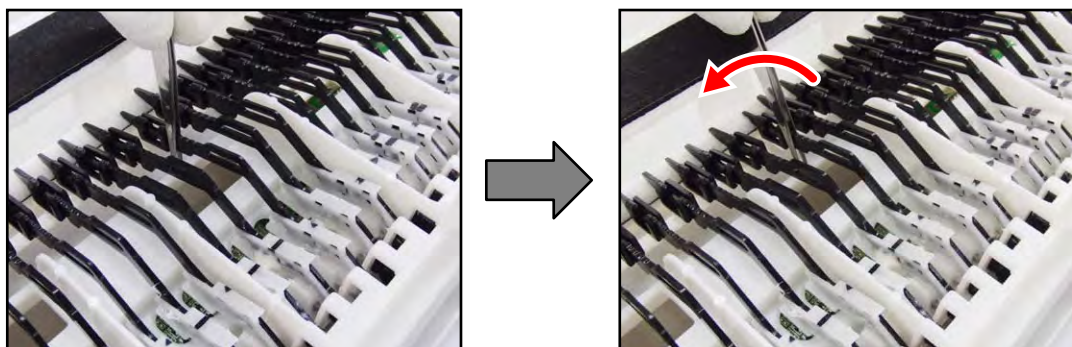
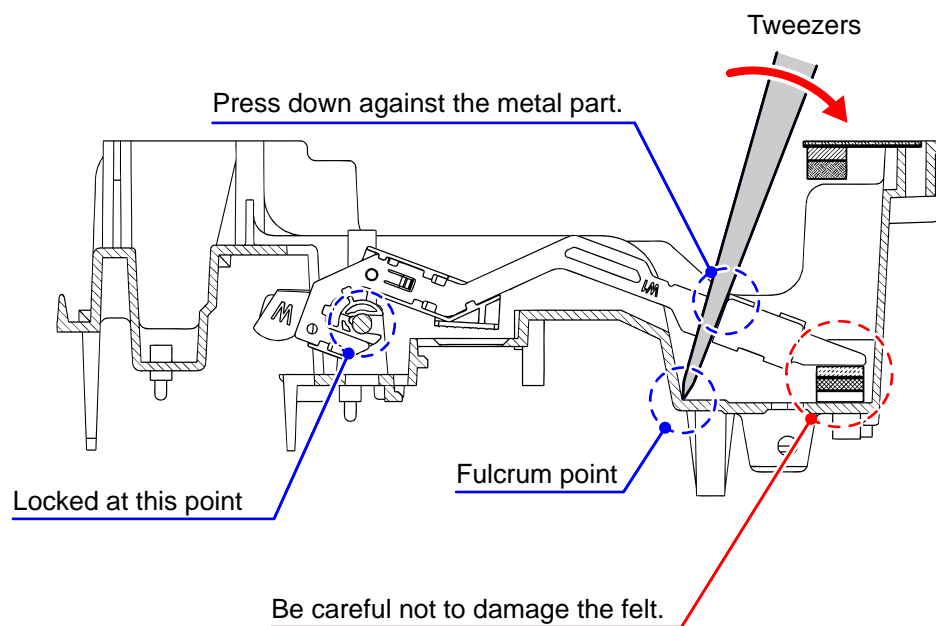
- Follow the steps below to install the hammers for white and black keys.

**NOTE:** The hammers must be arranged in a specific order. Install them according to the correct order.

**NOTE:** If a hammer does not move smoothly, check to see if it is installed at the correct location.

- (1) Use the tweezers to set a hammer at its correct location.
- (2) Press the chassis with the tip of tweezers.
- (3) Using the chassis-tweezers contact as a fulcrum point, press down the metal part of the hammer in the direction of the red arrow shown below, and then install the hammer.

**NOTE:** Be careful not to damage the felt.



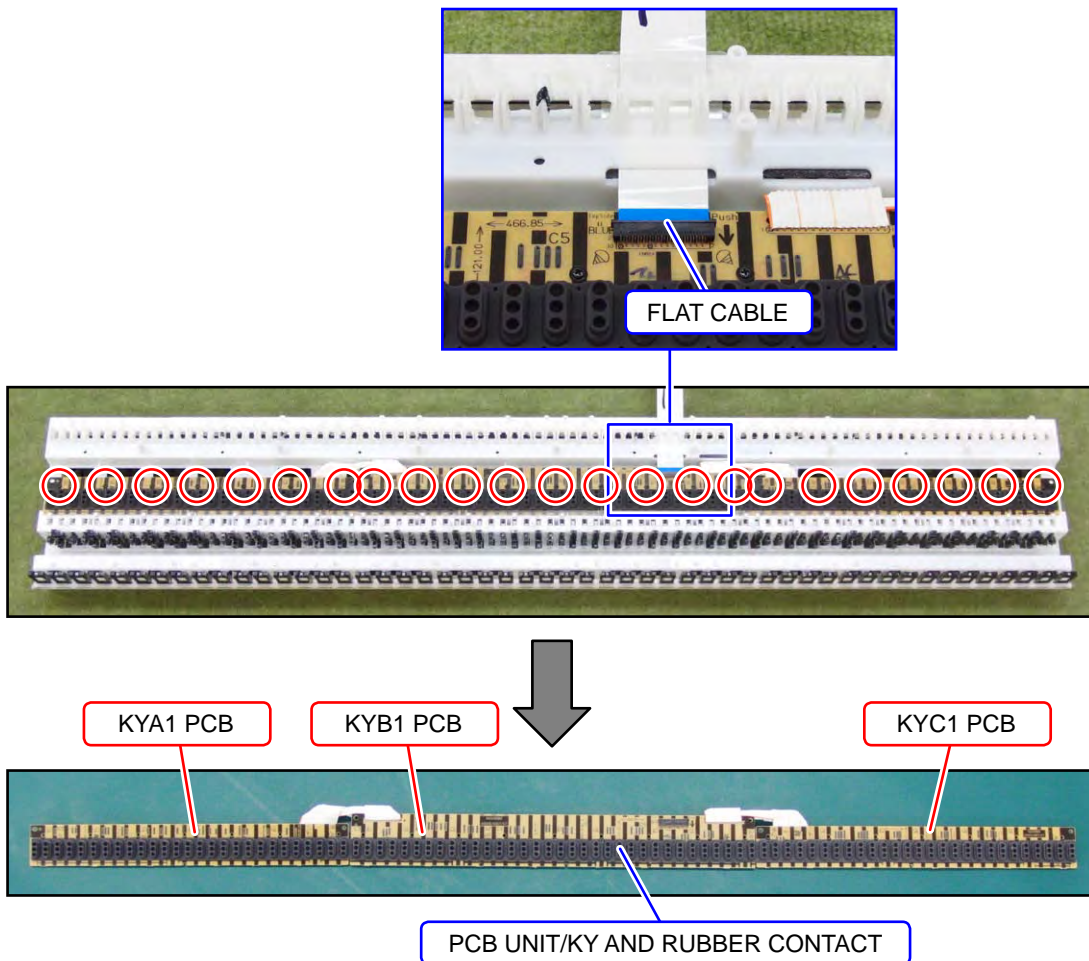


### C. Remove the PCB UNIT/KY AND RUBBER CONTACT

**NOTE:** The PCB UNIT/KY AND RUBBER CONTACT consists of the KYA1 PCB, KYB1 PCB, and KYC1 PCB.

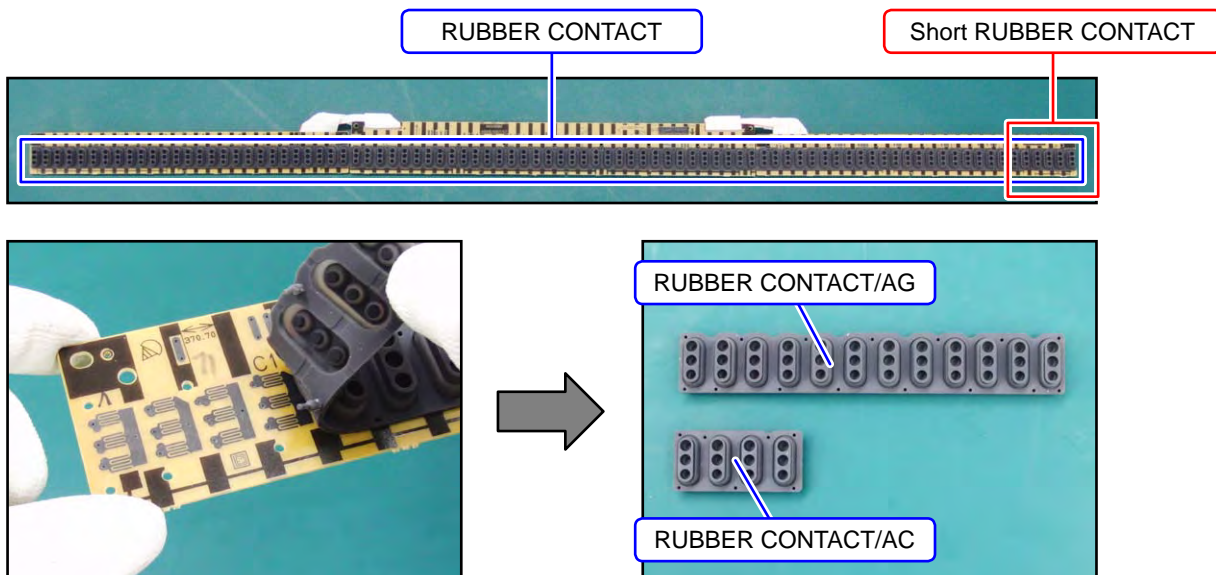
C-1. Release the connector lock and remove the FLAT CABLE.

C-2. Undo 23 screws and then remove the PCB UNIT/KY AND RUBBER CONTACT.



C-3. Remove eight RUBBER CONTACT.

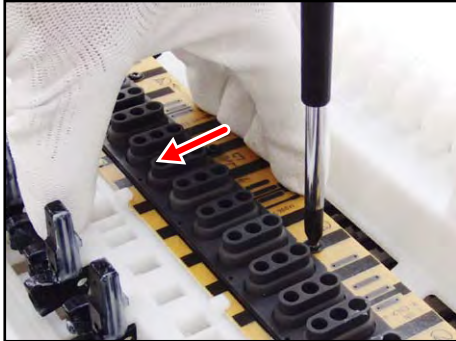
**NOTE:** One RUBBER CONTACT differs in length.



### <Installing the PCB UNIT/KY AND RUBBER CONTACT>

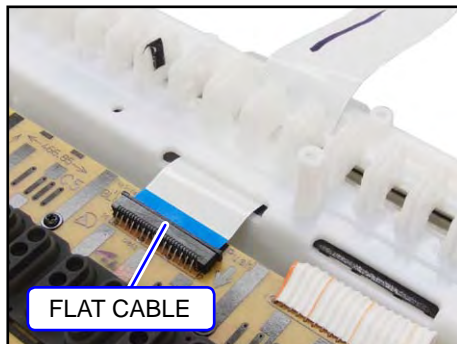
- Secure the PCB UNIT/KY AND RUBBER CONTACT with 23 screws.

**NOTE:** Tighten the screws while pressing the PCB in the direction of the red arrow shown below.



- Connect the FLAT CABLE to the KYB1 PCB and lock the connector.

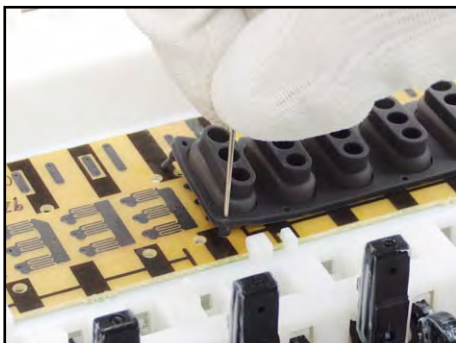
**NOTE:** Insert it firmly and lock up.



### <How to Install RUBBER CONTACT>

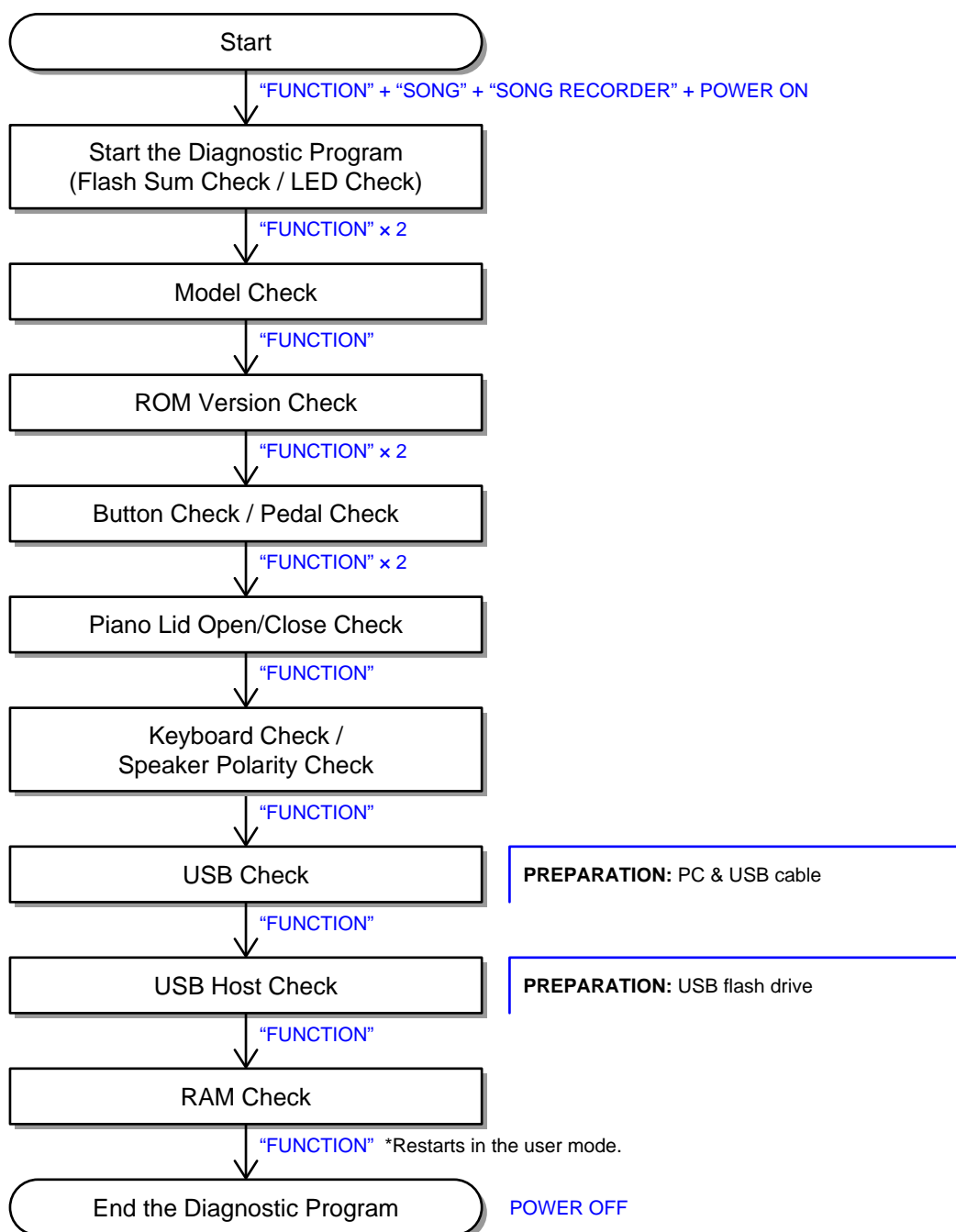
- Lightly insert the tip of a RUBBER CONTACT into the PCB first, and then press it in using the end of a paper clip.

**NOTE:** Do not press with too much force. Doing so may damage the RUBBER CONTACT.



# DIAGNOSTIC PROGRAM

## ■ Test Items / Flowchart



## ■ Preparation

- (1) Connect the AC adaptor.
- (2) Connect the pedal.
- (3) Adjust the main volume so that it is at about 1/3 of the full volume.
- (4) Have a PC and USB cable ready.

**NOTE:** Please refer to the user's guide for PC system requirements.

**NOTE:** The "USB Check" cannot be performed without a PC and a USB cable.

- (5) Have a USB flash drive ready.

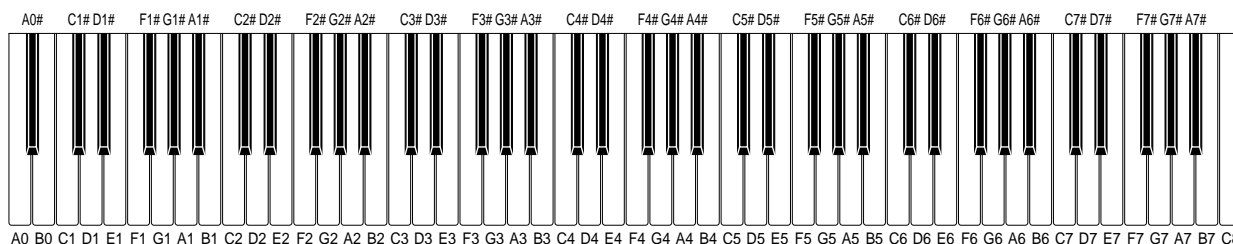
**NOTE:** Be sure to use a formatted USB flash drive. Please refer to the user's guide for the formatting procedures.

**NOTE:** The "USB Host Check" cannot be performed without a USB flash drive.

## ■ Test Procedure

### ADDITIONAL NOTE:

Refer to the below for the pitch of the confirmation or error tones which you hear during the test.



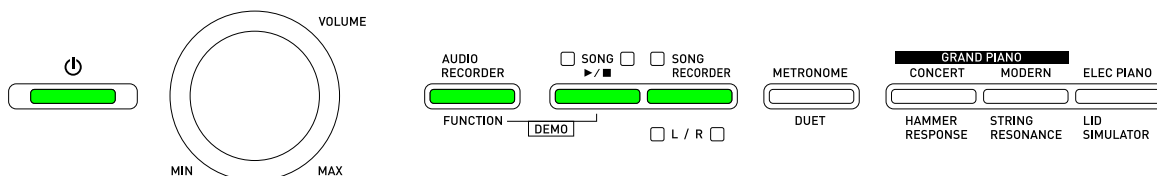
### A. Start the Diagnostic Program (Flash Sum Check / LED Check)

- A-1. Hold down the "FUNCTION", "SONG" and "SONG RECORDER" buttons at the same time to turn the power ON.

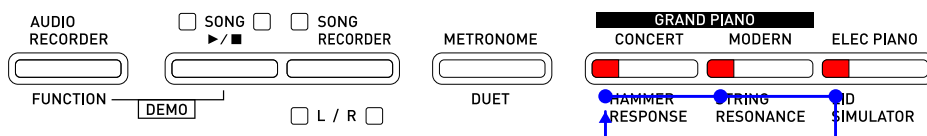
**NOTE:** Hold down three buttons until the diagnostic program starts.

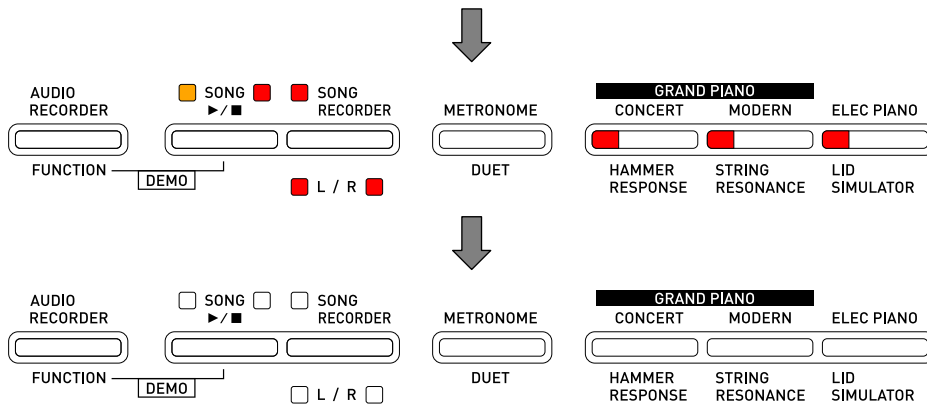
- When the diagnostic program starts, all LEDs illuminate briefly. Release the three buttons after the LEDs illuminate.
- The "⏻" (Power) LED remains ON.

**NOTE:** It takes approximately five seconds for the diagnostic program to start.



#### <LED status during the diagnostic program startup>





A-2. Once the diagnostic program is started, the “Flash Sum Check” is performed automatically.

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

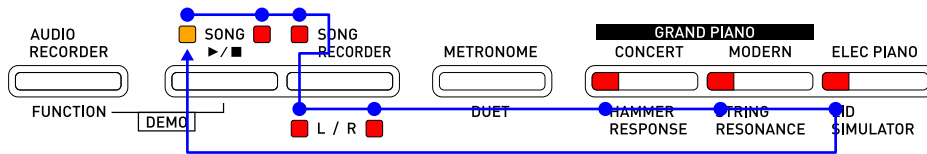
- The program automatically proceeds to the next step.

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

- The “SONG (Left)”, “SONG (Right)” and “SONG RECORDER” LEDs are flashing. Press the “FUNCTION” button to restart the digital piano in the user mode.

A-3. The “LED Check” starts automatically and the LEDs keep illuminating in the order shown below.

- Lit in Yellow: SONG (Left)
- Lit in Red: SONG (Right), SONG RECORDER, L, R, CONCERT, MODERN, ELEC PIANO



A-4. Check that all LEDs illuminate.

## B. Model Check

**NOTE:** To skip this check, press the “FUNCTION” button twice and proceed to the next check.

B-1. Press the “FUNCTION” button.

**NOTE:** The confirmation chord (C4/E4/G4) sounds.

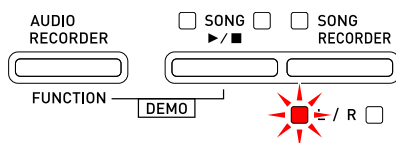
B-2. Press the “FUNCTION” button again.

**NOTE:** The model identification tone (C5) sounds immediately after the confirmation chord (C4/E4/G4).

B-3. Check that the model identification tone sounds and also that the following LED is flashing.

**<For PX-850>**

- Model identification tone: C5
- Flashing in Red: L



### C. ROM Version Check

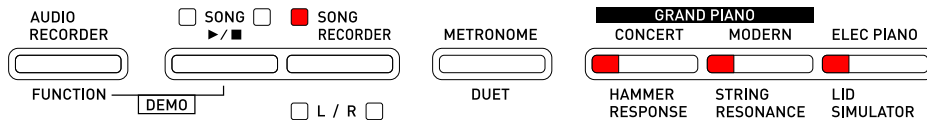
**(This section describes how to identify the ROM version, not to test it.)**

**NOTE:** To skip this check, press the “FUNCTION” button and proceed to the next check.

C-1. When you press the “FUNCTION” button, the following LEDs illuminate and the ROM Version Check Mode enters into its stand-by status.

**NOTE:** The confirmation chord (C4/E4/G4) sounds.

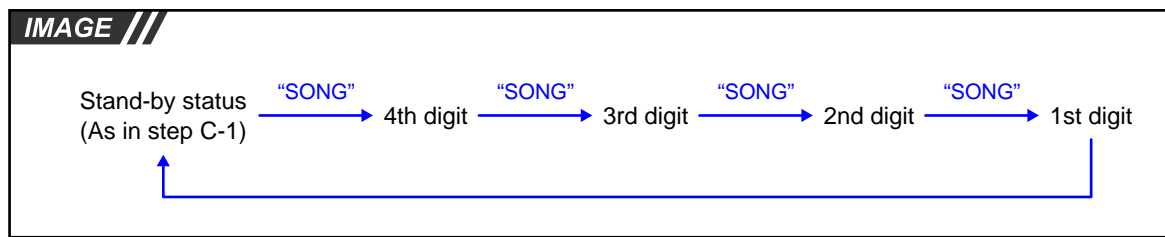
- Lit in Red: SONG RECORDER, CONCERT, MODERN, ELEC PIANO



C-2. You can identify the ROM version (4 digits) by repeatedly pressing the “SONG” button while in the stand-by status.

**NOTE:** The number indicating each digit of the ROM version will be expressed by LEDs that illuminate.

**NOTE:** Each time you press the “SONG” button, the confirmation tone (C6) sounds and the LED indication moves to the next digit.



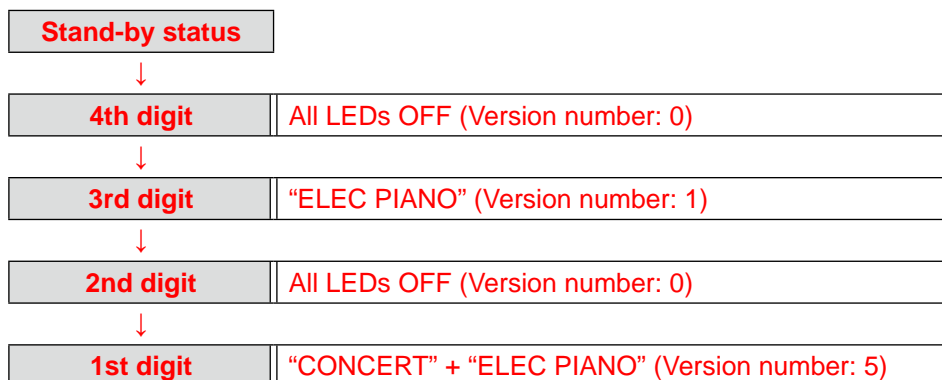
#### <Version number vs. LED indication>

Number	LED
0	All LEDs OFF
1	“ELEC PIANO”
2	“MODERN”
3	“MODERN” + “ELEC PIANO”
4	“CONCERT”
5	“CONCERT” + “ELEC PIANO”

Number	LED
6	“CONCERT” + “MODERN”
7	“CONCERT” + “MODERN” + “ELEC PIANO”
8	“SONG RECORDER”
9	“SONG RECORDER” + “ELEC PIANO”

#### <Example>

The example below shows the ROM version “0105” (Ver. 1.05).





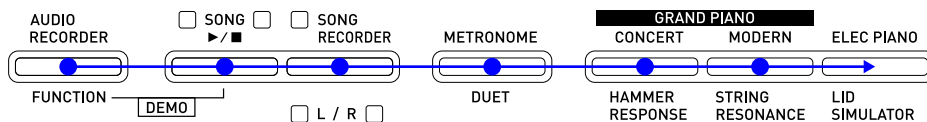
## D. Button Check

**NOTE:** This check cannot be skipped.

D-1. Press the “FUNCTION” button twice.

**NOTE:** The confirmation chord (C4/E4/G4) sounds each time you press the button.

D-2. Press the buttons in the order shown below.



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

- The confirmation tone (C6) sounds.
- When press the “ELEC PIANO” button at the end, the confirmation chord (C4/E4/G4) sounds.

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

- If there is a button failure or the buttons are pressed in a wrong sequence, the error tone (F2) sounds.

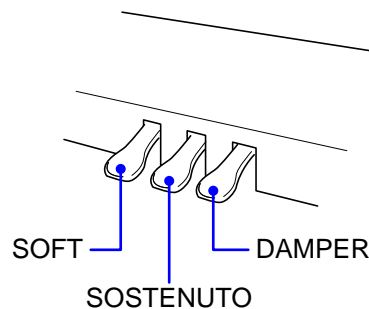
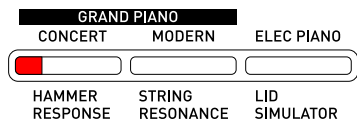
## E. Pedal Check

**NOTE:** When you choose to skip this check, simply proceed to the next check.

E-1. Press the “SOFT” pedal and then check that the “CONCERT” LED is lit.

**NOTE:** The confirmation tone (E4) sounds.

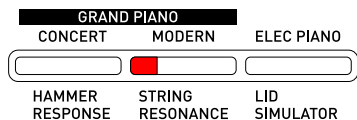
- Lit in Red: CONCERT



E-2. Press the “SOSTENUTO” pedal and then check that the “MODERN” LED is lit.

**NOTE:** The confirmation tone (G4) sounds.

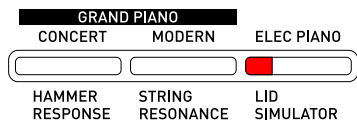
- Lit in Red: MODERN



E-3. Press the “DAMPER” pedal fully and then check that the “ELEC PIANO” LED is lit.

**NOTE:** The confirmation tone (C4) sounds.

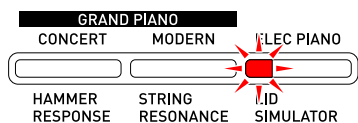
- Lit in Red: ELEC PIANO



E-4. Press the “DAMPER” pedal halfway (half-pedal) and then check that the “ELEC PIANO” LED is flashing.

**NOTE:** The confirmation tone (C5) sounds.

- Flashing in Red: ELEC PIANO



## F. Piano Lid Open/Close Check

**NOTE:** To skip this check, press the “FUNCTION” button twice and proceed to the next check.

F-1. Press the “FUNCTION” button twice.

**NOTE:** The confirmation chord (C4/E4/G4) sounds each time you press the button.

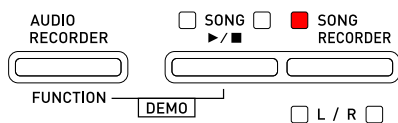
F-2. Open the piano lid and then check that the “SONG RECORDER” LED is lit.

**NOTE:** The confirmation tone (E4) sounds.

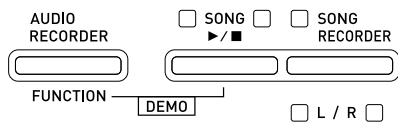
**NOTE:** Use both hands whenever opening or closing the piano lid, and take care that you do not close it on your fingers.

**NOTE:** Stand in front of the digital piano on the right side when opening or closing the piano lid.

- Lit in Red: SONG RECORDER



F-3. Close the piano lid and then check that the “SONG RECORDER” LED is turned OFF.



## G. Keyboard Check

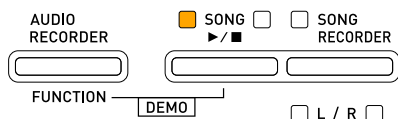
**NOTE:** To skip this check, press the “FUNCTION” button and proceed to the next check.

G-1. Press the “FUNCTION” button and then check that the “SONG (Left)” LED is lit.

**NOTE:** The confirmation chord (C4/E4/G4) sounds.

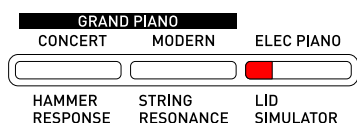
**NOTE:** The LED does not illuminate if the touch response adjustment data has been reset. Please refer to the “Resetting the Touch Response Adjustment Data” for details.

- Lit in Yellow: SONG (Left)



G-2. Press the “ELEC PIANO” button and then check that the “ELEC PIANO” LED is lit.

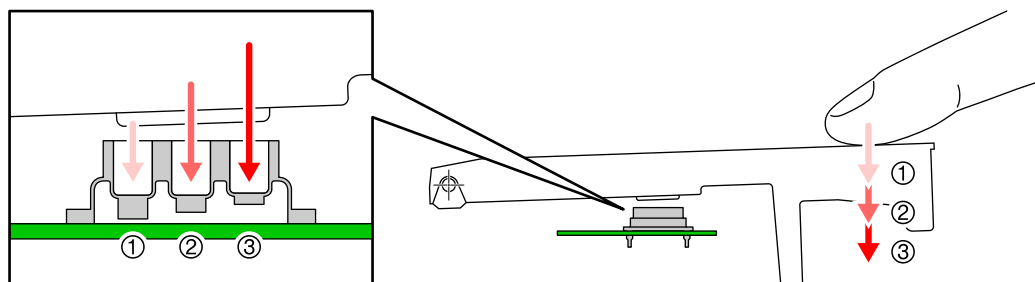
- Lit in Red: ELEC PIANO



G-3. Press a key and then check that the sound comes out (sine wave) as follows.

**NOTE:** Check all keys.

Key	Left Speaker	Right Speaker	Remarks
Press a key halfway	C6 sine wave		When the contact ① is turned ON
Press a key all the way	C6 sine wave	C4 sine wave	When the contact ② and ③ are turned ON

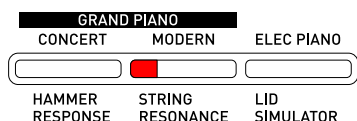


## H. Speaker Polarity Check

**NOTE:** When you choose to skip this check, simply proceed to the next check.

H-1. Press the “MODERN” button and then check that the “MODERN” LED is lit.

- Lit in Red: MODERN



H-2. Press any key and then check that the sound correctly comes out (sine wave).

**NOTE:** Check the sound while you are at the center of the digital piano.

## I. USB Check

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**NOTE:** To skip this check, press the “FUNCTION” button and proceed to the next check.

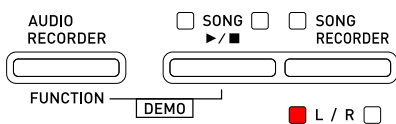
I-1. Press the “FUNCTION” button.

**NOTE:** The confirmation chord (C4/E4/G4) sounds.

I-2. Press the “CONCERT” button and then check that the “L” LED is lit.

**NOTE:** The confirmation tone (F2) sounds.

• Lit in Red: L

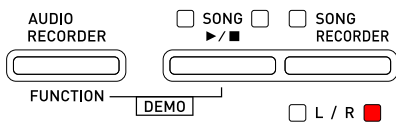


I-3. Connect the digital piano to the PC with a USB cable.

I-4. Press the “CONCERT” button and then check that the “R” LED is lit.

**NOTE:** The confirmation tone (C6) sounds.

• Lit in Red: R



I-5. Disconnect the USB cable.

## J. USB Host Check

**NOTE:** To skip this check, press the “FUNCTION” button and proceed to the next check.

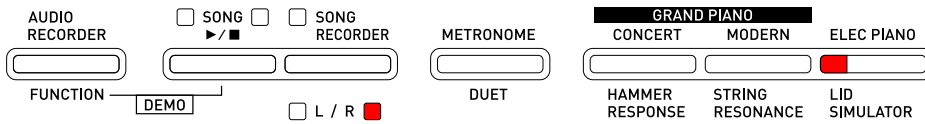
J-1. Press the “FUNCTION” button.

**NOTE:** The confirmation chord (C4/E4/G4) sounds.

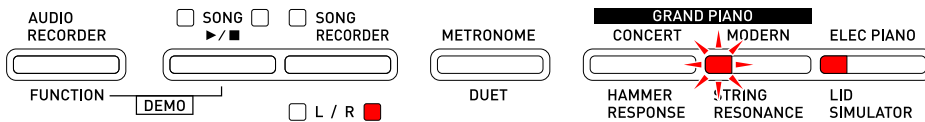
J-2. Insert a USB flash drive into the USB flash drive port.

J-3. Press the “ELEC PIANO” button and then check that the following LEDs are lit.

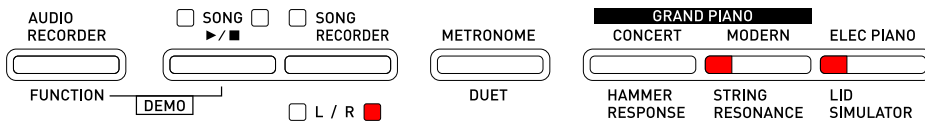
- Lit in Red: R, ELEC PIANO



J-4. Press the “MODERN” button to start the writing check. Check that the LED status changes as shown below.

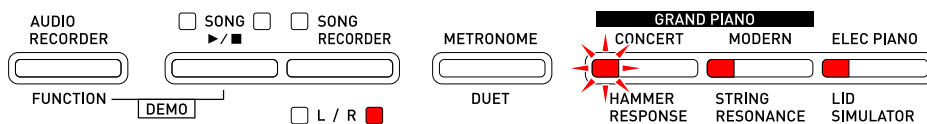


During the Writing Check	
“R” LED	Lit in Red
“CONCERT” LED	OFF
“MODERN” LED	Flashing in Red
“ELEC PIANO” LED	Lit in Red

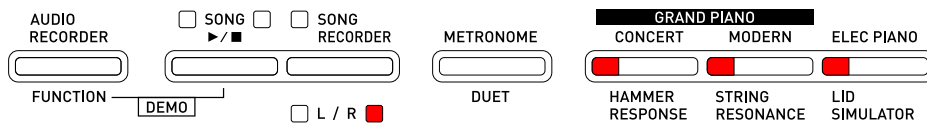


The Writing Check Complete	
“R” LED	Lit in Red
“CONCERT” LED	OFF
“MODERN” LED	Lit in Red
“ELEC PIANO” LED	Lit in Red

J-5. Press the “CONCERT” button to start the reading check. Check that the LED status changes as shown below.



During the Reading Check	
“R” LED	Lit in Red
“CONCERT” LED	Flashing in Red
“MODERN” LED	Lit in Red
“ELEC PIANO” LED	Lit in Red



The Reading Check Complete	
“R” LED	Lit in Red
“CONCERT” LED	Lit in Red
“MODERN” LED	Lit in Red
“ELEC PIANO” LED	Lit in Red

J-6. Remove the USB flash drive.

**NOTE:** The “R” LED turns OFF.



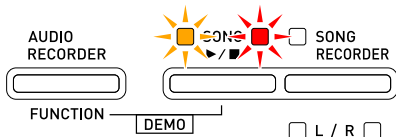
## K. RAM Check

**NOTE:** To skip this check and end the diagnostic program, press the “FUNCTION” button twice to restart the digital piano in the user mode.

K-1. Press the “FUNCTION” button and then check that the following LEDs are flashing.

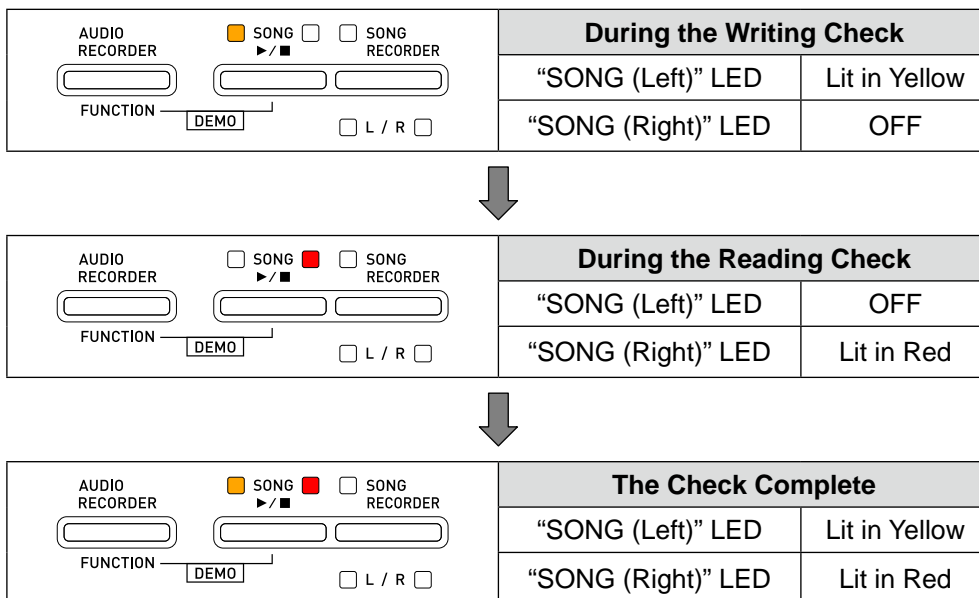
**NOTE:** The confirmation chord (C4/E4/G4) sounds.

- Flashing in Yellow: SONG (Left)
- Flashing in Red: SONG (Right)



K-2. Press the “SONG” button to start the check. Check that the LED status changes as shown below.

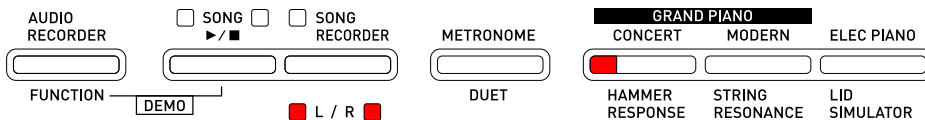
**NOTE:** It takes approximately 15 seconds until the check ends.



K-3. Press the “FUNCTION” button to restart the digital piano in the user mode.

**<LED status during the user mode>**

- Lit in Red: L, R, CONCERT



K-4. Turn the power OFF.

## ■ Resetting the Touch Response Adjustment Data

### <Caution>

Be sure to reset the touch response adjustment data by following the steps below after the main PCB or a keyboard component is replaced.


### <Applicable Parts>

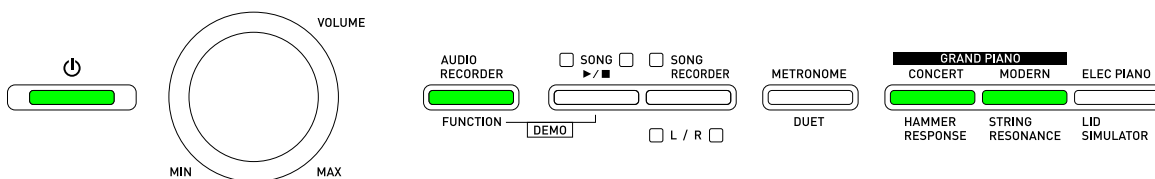
- Main PCB (MDA1 PCB)
- KEYBOARD UNIT
- Components for the KEYBOARD UNIT  
(Refer to the EXPLODED VIEW and PART LIST: KEYBOARD UNIT)

### <Reset Procedure>

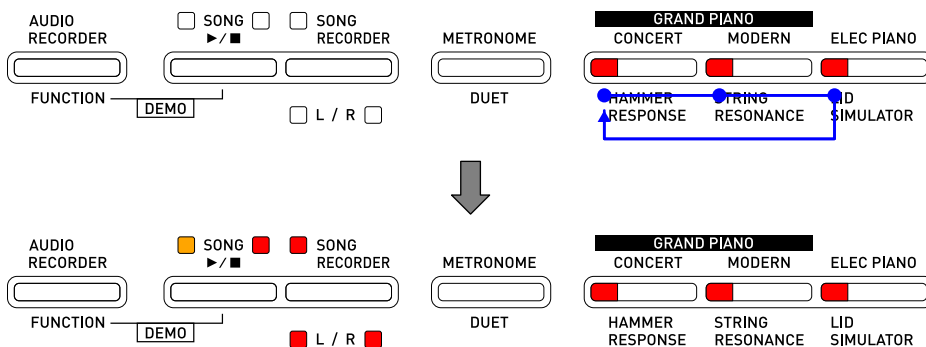
- (1) Hold down the “FUNCTION”, “CONCERT” and “MODERN” buttons at the same time to turn the power ON.

**NOTE:** Hold down three buttons until the reset mode starts.

- When the reset mode starts, all LEDs illuminate. Release the three buttons after the LEDs illuminate.
- The “” (Power) LED remains ON.

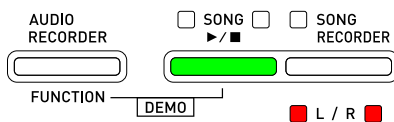


### <LED status during the reset mode startup>



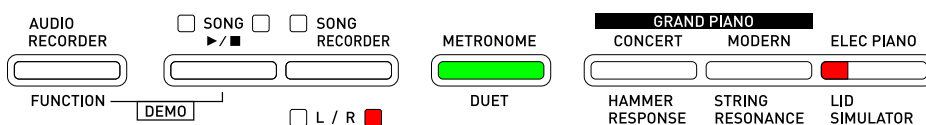
- (2) Press the “SONG” button and then check that the following LEDs are lit.

- Lit in Red: L, R



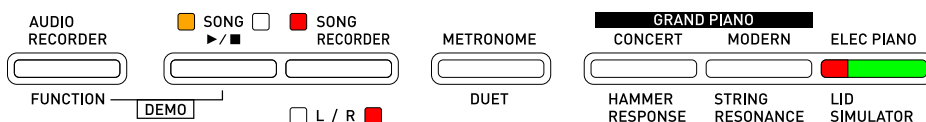
(3) Press the “METRONOME” button and then check that the following LEDs are lit.

- Lit in Red: R, ELEC PIANO

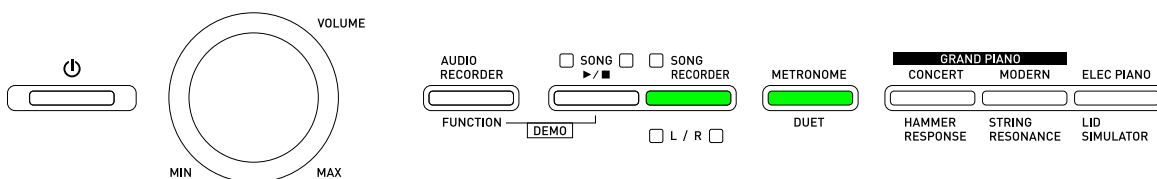


(4) Press the “ELEC PIANO” button and then check that the following LEDs are lit.

- Lit in Yellow: SONG (Left)
- Lit in Red: SONG RECORDER, R, ELEC PIANO

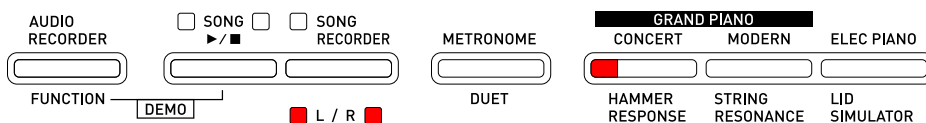


(5) Press the “SONG RECORDER” and “METRONOME” buttons at the same time to start resetting.



(6) When resetting is complete, the digital piano restarts in the user mode.

**<LED status during the user mode>**

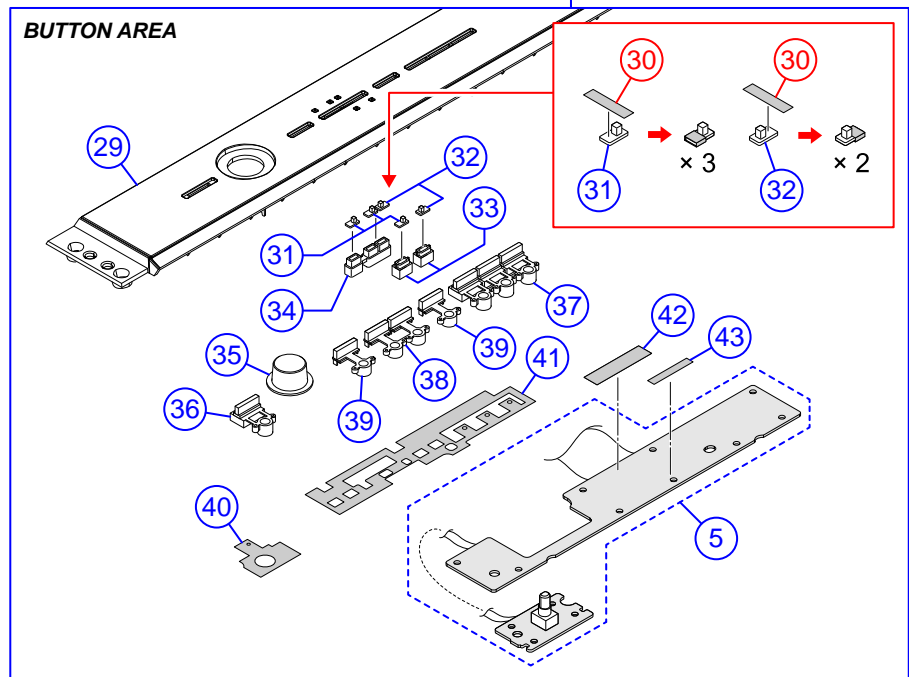
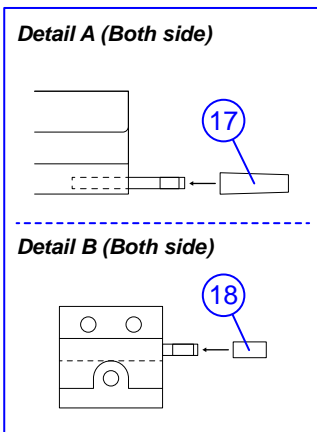
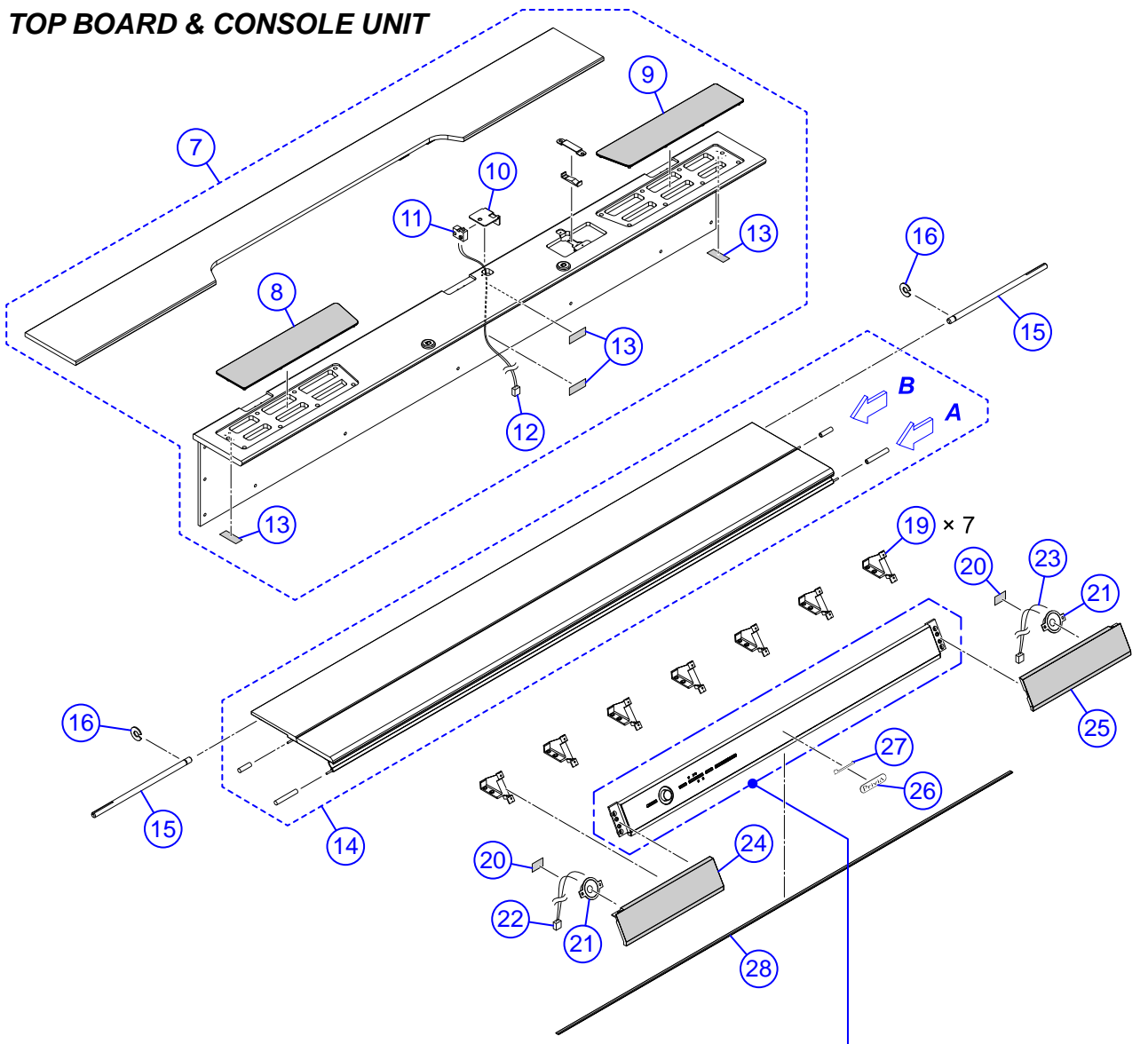


(7) Turn the power OFF.

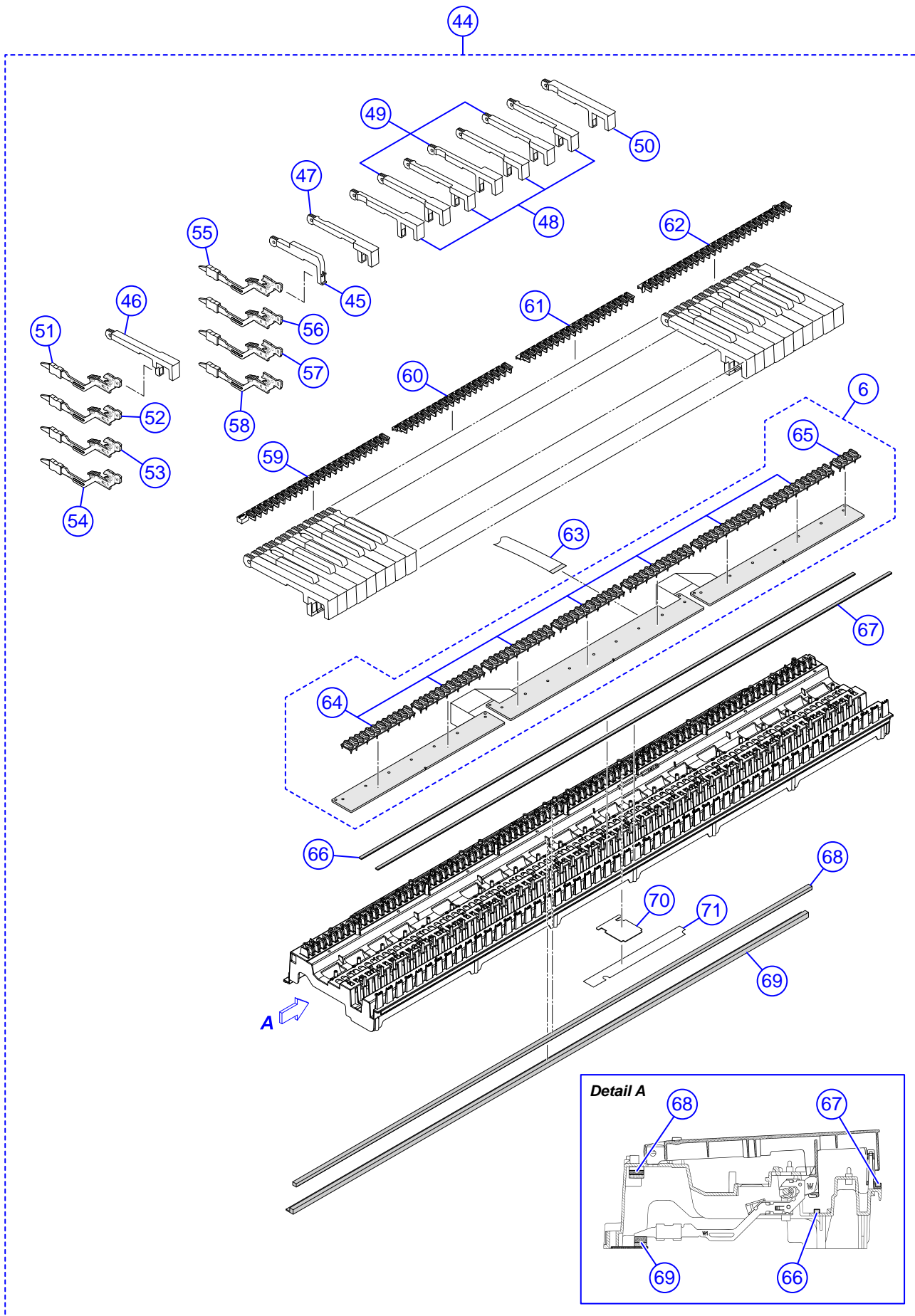
**NOTE:** After resetting is complete, perform the “KEYBOARD CHECK” in the diagnostic program and then check that the touch response adjustment data has been reset. Please refer to the “DIAGNOSTIC PROGRAM” for details.

# EXPLODED VIEW

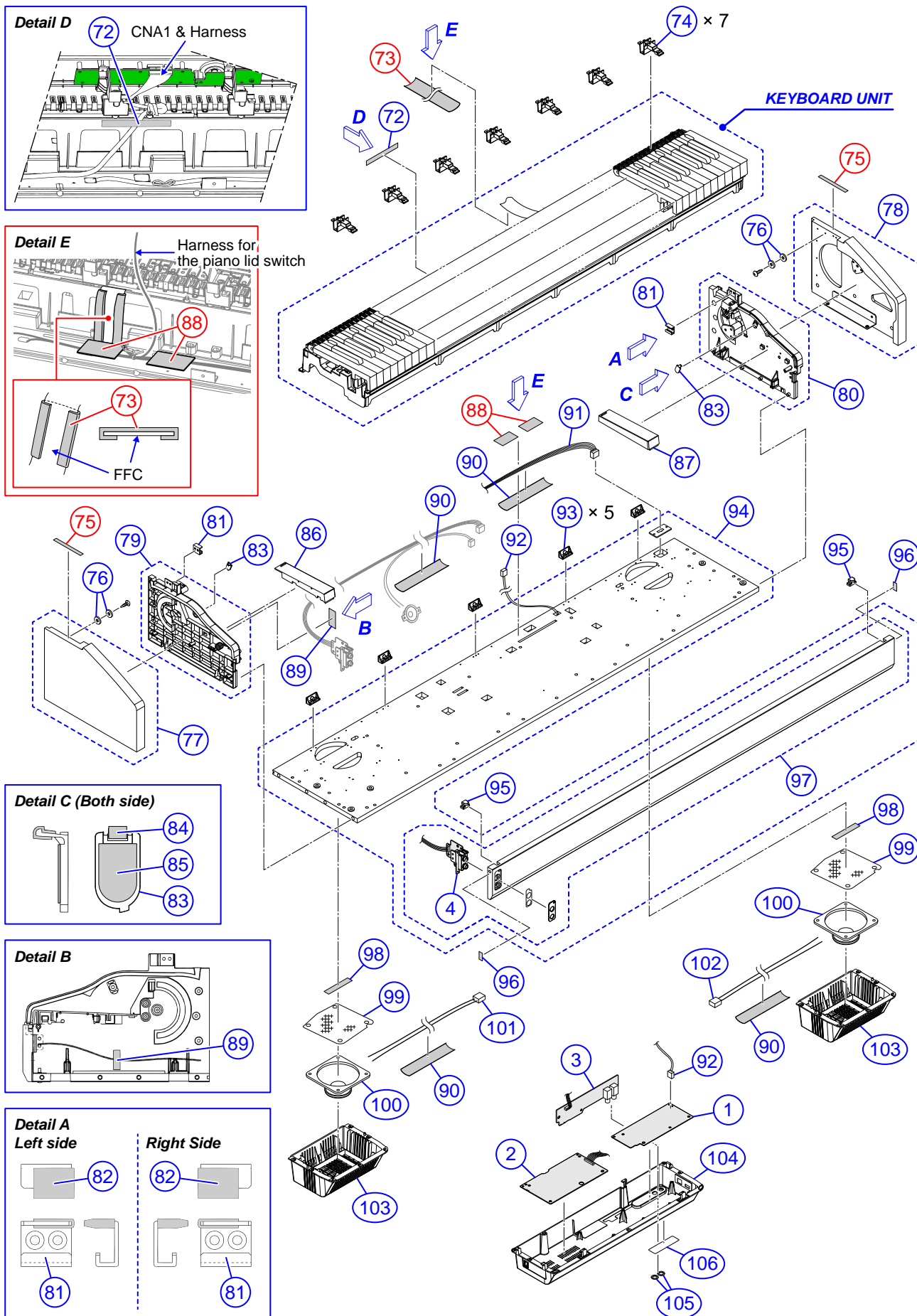
## TOP BOARD & CONSOLE UNIT



KEYBOARD UNIT

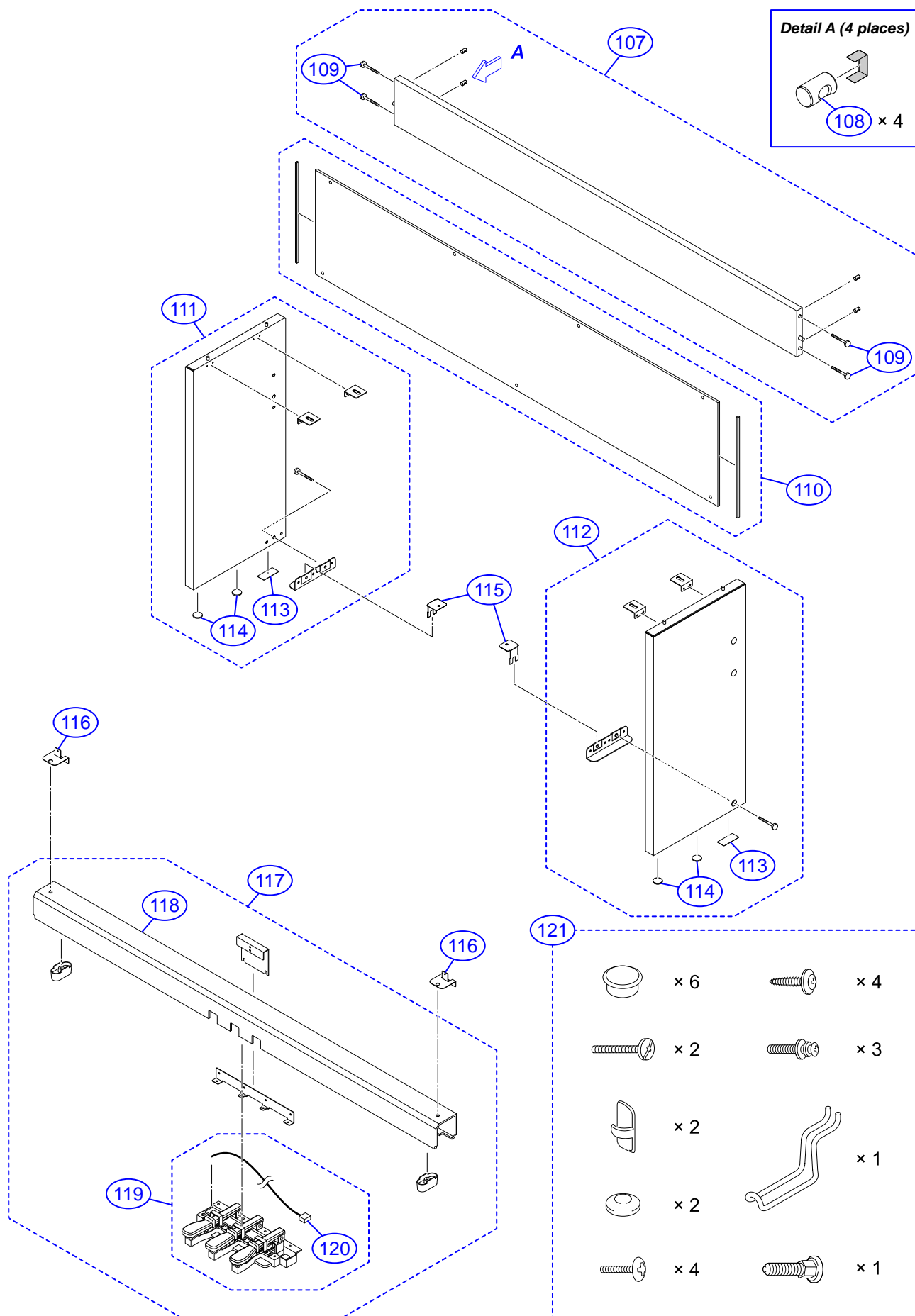


**MAIN CASE UNIT**





STAND



# PARTS LIST

## PX-850

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: PX-850\_BLACK\_DI  
 2: PX-850\_BLACK\_EU  
 3: PX-850\_BLACK\_UK  
 4: PX-850\_BLACK\_US

5: PX-850\_BROWN\_DI  
 6: PX-850\_BROWN\_EU  
 7: PX-850\_BROWN\_UK  
 8: PX-850\_BROWN\_US

9: PX-850\_WHITE\_DI  
 10: PX-850\_WHITE\_EU  
 11: PX-850\_WHITE\_UK  
 12: PX-850\_WHITE\_US

N	Item	Code No.	Parts Name	Specification	Q'ty												R	Remarks
					1	2	3	4	5	6	7	8	9	10	11	12		
<b>MAIN PCB</b>																		
N	1	10434318	PCB UNIT/MAIN	TK-RJM512466*001	1	1	1	1	1	1	1	1	1	1	1	1	A	MDA1
N	CN12	10432772	CONNECTOR/USB FLASH DRIVE	UAR27-4K5J00	1	1	1	1	1	1	1	1	1	1	1	1	C	
N	CN13	10236624	CONNECTOR/USB	UBR24-4K5G00	1	1	1	1	1	1	1	1	1	1	1	1	C	
N	IC1	10376766	IC	BD2220G-TR	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	IC2	40429820	LSI/MEMORY	TC58NVG0S3ETA00B3H	4	4	4	4									C	
N	IC3,IC4	10427243	IC	BD00IA5WEFJ-E2	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	IC6	10431989	IC	WM8740SEDS/RV	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	IC7	10422005	IC	SN74LVC1G123DCTR	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	IC10	10375074	IC	XC6404FY52PR-G	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	IC11	10430187	IC	XC6701D902PR-G	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	IC12,IC14	10211950	IC	NJM2068M-D(Te1)	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	IC13	10430918	IC	BD3464FV-E2	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	Q1,Q7-Q9,Q14-Q16	10402605	TRANSISTOR	DSA500100L	7	7	7	7	7	7	7	7	7	7	7	7	X	
N	Q2-Q6,Q10,Q11	10399706	TRANSISTOR	DSC500100L	7	7	7	7	7	7	7	7	7	7	7	7	X	
N	D1-D3	10009218	DIODE	1SS400TE61	3	3	3	3	3	3	3	3	3	3	3	3	X	
N	D5,D6	10346940	DIODE	NNCD6.8RL-T1-AT	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	L25,L26	10193074	COIL	DLW21HN181SQ2L	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	X1	10431923	RESONATOR	7V22580001	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	X2	10375016	RESONATOR	7V48080006	1	1	1	1	1	1	1	1	1	1	1	1	X	
<b>POWER &amp; AMP PCB</b>																		
N	2	10434319	PCB UNIT/POWER & AMP	TK-RJM512467*001	1	1	1	1	1	1	1	1	1	1	1	1	B	PSA1
N	J1	10342138	JACK/DC	LGP7031-0900FC	1	1	1	1	1	1	1	1	1	1	1	1	A	
N	IC1	10432775	IC	NJM2396F12	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	IC2	10430186	IC	XC8102AA01MR-G	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	IC4	10432776	IC	TPA3116D2DADR	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	IC5	10375029	IC	LA5756-MDB-E	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	IC6	10430184	IC	XC6701B502PR-G	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	IC7	10430183	IC	XC6216D332PR-G	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	IC8	10343240	IC	BH3544F-E2	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	D1	10342143	DIODE	RB075B40STL	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	D6	10430929	DIODE	DB2X41400L	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	D7	23902576	DIODE	RB501V-40TE-17	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	D8	10211019	DIODE	UDZSTE-1712B	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	D9	23901820	DIODE	1SS355TE-17	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	D11,D12	10101686	DIODE	UDZSTE-177.5B	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	D14	10099520	DIODE	UDZSTE-1727B	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	L1	10342135	COIL	02249-T556	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	L3,L5,L7,L8	10342335	COIL	RP1315BNP-220M-T	4	4	4	4	4	4	4	4	4	4	4	4	X	

1: PX-850\_BLACK\_DI  
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 12: PX-850\_WHITE\_US

N	Item	Code No.	Parts Name	Specification	Q'ty												R	Remarks	
					1	2	3	4	5	6	7	8	9	10	11	12			
	L4,L6	10231920	COIL	RB53-856397NP	2	2	2	2	2	2	2	2	2	2	2	2	2	X	
	L9	10232457	COIL	R117-860400NP	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
	L10	10231919	COIL	RB53-856396NP	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
	Q1-Q7,Q9,Q13,Q15,Q16	10399706	TRANSISTOR	DSC500100L	11	11	11	11	11	11	11	11	11	11	11	11	11	X	
	Q11,Q12	10407894	TRANSISTOR	DSC250100L	2	2	2	2	2	2	2	2	2	2	2	2	2	X	
	Q14	10400547	TRANSISTOR	DSA500200L	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	Q17	10432777	FET	RSD160P05TL	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
<b>CNA PCB, HPA1 PCB &amp; JKA1 PCB</b>																			
N	3	10434317	PCB UNIT/JKA1	TK-RJM512402*001	1	1	1	1	1	1	1	1	1	1	1	1	1	X	JKA1
	J505,J506	10206816	JACK/LINE OUT	JY-6314*01-130	2	2	2	2	2	2	2	2	2	2	2	2	2	B	
	L506,L507	10231920	COIL	RB53-856397NP	2	2	2	2	2	2	2	2	2	2	2	2	2	X	
	4	10433603	PCB UNIT/HPA1	TK-RJM512381*001	1	1	1	1	1	1	1	1	1	1	1	1	1	C	HPA1
	D1	10203050	LED	231XHD	1	1	1	1	1	1	1	1	1	1	1	1	1	X	Power lamp
	J701,J702	10132088	JACK/PHONE	JY-6360*01-070	2	2	2	2	2	2	2	2	2	2	2	2	2	B	
	L701,L702	10231919	COIL	RB53-856396NP	2	2	2	2	2	2	2	2	2	2	2	2	2	X	
	5	10433563	PCB UNIT/CNA	TK-RJM512320*002	1	1	1	1	1	1	1	1	1	1	1	1	1	C	CNA1/CNA2
N	VR601	10399354	VARIABLE RESISTOR	F-09KH1-CASIO-2	1	1	1	1	1	1	1	1	1	1	1	1	1	B	Main volume
	D601,D603-D609	10336974	LED	26-21/R1	8	8	8	8	8	8	8	8	8	8	8	8	8	X	
	D602	10336975	LED	26-21/Y1	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
	D610-D612	23901820	DIODE	1SS355TE-17	3	3	3	3	3	3	3	3	3	3	3	3	3	X	
	SW601-SW608	10337110	SWITCH	TP-1138A-10-100GF	8	8	8	8	8	8	8	8	8	8	8	8	8	X	
<b>KEYBOARD PCB</b>																			
N	6	10433482	PCB UNIT/KY and RUBBER CONTACT	TK-RJM512336*001	1	1	1	1	1	1	1	1	1	1	1	1	1	C	KYA1/KYB1/KYC1
	D1-D46	10301580	DIODE	LM1MA142WAT1G	46	46	46	46	46	46	46	46	46	46	46	46	46	X	
	Q101-Q364	69300298	TRANSISTOR	2SC4081T106R	264	264	264	264	264	264	264	264	264	264	264	264	264	X	
<b>TOP BOARD &amp; CONSOLE UNIT</b>																			
N	7	10434326	TOP BOARD UNIT	TK-RJM512437*001	1	1	1											X	
N	7	10438143	TOP BOARD UNIT	TK-RJM512437*002					1	1	1							X	
N	7	10447150	TOP BOARD UNIT	TK-RJM512437*003								1	1	1				X	
N	7	10499492	TOP BOARD UNIT	TK-RJM512437*008				1										X	
N	7	10499493	TOP BOARD UNIT	TK-RJM512437*009							1							X	
N	7	10499494	TOP BOARD UNIT	TK-RJM512437*010													1	X	
N	8	10431693	SPEAKER COVER/LEFT	RJM512272*001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	9	10431694	SPEAKER COVER/RIGHT	RJM512273*001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	10	10431537	BRACKET/for SWITCH	RJM512268-001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	11	10432778	SWITCH	AEQ10410	1	1	1	1	1	1	1	1	1	1	1	1	1	X	Piano lid switch
N	12	10433041	CABLE HARNESS	EF-SMR2P035M923	1	1	1	1	1	1	1	1	1	1	1	1	1	X	

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 10: PX-850\_WHITE\_EU  
 11: PX-850\_WHITE\_UK  
 12: PX-850\_WHITE\_US

N	Item	Code No.	Parts Name	Specification	Q'ty												R	Remarks
					1	2	3	4	5	6	7	8	9	10	11	12		
	13	10221192	FABRIC TAPE/20X50	RJM506472-001V01	4	4	4	4	4	4	4	4	4	4	4	4	X	
	14	10433564	KEY COVER UNIT	TK-RJM511862*001	1	1	1										C	
	14	10433565	KEY COVER UNIT	TK-RJM511862*002					1	1	1						C	
	14	10433566	KEY COVER UNIT	TK-RJM511862*003									1	1	1		C	
N	14	10499464	KEY COVER UNIT	TK-RJM511862*007				1									C	
N	14	10499465	KEY COVER UNIT	TK-RJM511862*008								1					C	
N	14	10499466	KEY COVER UNIT	TK-RJM511862*009												1	C	
N	15	10431988	SHAFT/for KEY COVER	RJM512131-001V01	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	16	10232237	E RING	R-ER-4Z3BL	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	17	10428382	SLIDE CAP/B	RJM512241-001V01	2	2	2	2	2	2	2	2	2	2	2	2	X	
	18	10211851	SLIDE CAP	RJM505899-001V01	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	19	10428359	PLASTIC BRACKET	RJM511973-001V01	7	7	7	7	7	7	7	7	7	7	7	7	X	
	20	10305236	FABRIC TAPE/30X20	M411136-003V03	2	2	2	2	2	2	2	2	2	2	2	2	X	
	21	10305155	TWEETER	C05JT02	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	22	10433027	CABLE HARNESS	EF-PH2P073M923	1	1	1	1	1	1	1	1	1	1	1	1	X	for Left tweeter
N	23	10433028	CABLE HARNESS	EF-PH2P100M923	1	1	1	1	1	1	1	1	1	1	1	1	X	for Right tweeter
N	24	10427458	TWEETER PANEL/LEFT	RJM512001*001V01	1	1	1	1	1	1	1						X	
N	24	10446796	TWEETER PANEL/LEFT	RJM512001*002V01									1	1	1	1	X	
N	25	10427459	TWEETER PANEL/RIGHT	RJM512002*001V01	1	1	1	1	1	1	1						X	
N	25	10446797	TWEETER PANEL/RIGHT	RJM512002*002V01									1	1	1	1	X	
N	26	10431550	NAME PLATE	RJM512460-001V01	1	1	1	1	1	1	1						X	
N	26	10446774	NAME PLATE	RJM512460-002V01									1	1	1	1	X	
N	27	10434560	DOUBLE FACED TAPE	RJM512593-001V01	1	1	1	1	1	1	1	1	1	1	1	1	X	for Name plate
	28	10337938	KEY FELT	RJM509922-001V01	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	29	10432769	CONSOLE PANEL/MIDDLE	RJM512018-004V01	1	1	1	1	1	1	1						X	
N	29	10446773	CONSOLE PANEL/MIDDLE	RJM512018-006V01									1	1	1	1	X	
N	30	10222327	DOUBLE FACED TAPE/4X17	RJM506493-001V01	5	5	5	5	5	5	5	5	5	5	5	5	X	
N	31	10337054	LED COVER	RJM509410-001V01	3	3	3	3	3	3	3						X	
N	31	10448030	LED COVER	RJM509410-003V01									3	3	3	3	X	
N	32	10428304	LED COVER	RJM512166-001V01	2	2	2	2	2	2	2						X	
N	32	10448004	LED COVER	RJM512166-003V01									2	2	2	2	X	
N	33	10428263	LED SPACER/A	RJM512126-001V01	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	34	10428264	LED SPACER/B	RJM512127-001V01	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	35	10428362	KNOB/for ROTARY	RJM512136-001V01	1	1	1	1	1	1	1	1					C	
N	35	10433704	KNOB/for ROTARY	RJM512136-003V01									1	1	1	1	C	
	36	10342127	TACT BUTTON/A	RJM509408-002V01	1	1	1	1	1	1	1						X	
N	36	10434799	TACT BUTTON/A	RJM509408-010V01									1	1	1	1	X	
N	37	10431933	TACT BUTTON/A	RJM509408-004V01	1	1	1	1	1	1	1						X	
N	37	10434800	TACT BUTTON/A	RJM509408-011V01									1	1	1	1	X	

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					1	2	3	4	5	6	7	8	9	10	11	12			
N	38	10337029	TACT BUTTON/B	RJM509396-001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	38	10434801	TACT BUTTON/B	RJM509396-009V01										1	1	1	1	X	
N	39	10337030	TACT BUTTON/B	RJM509396-002V01	2	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	39	10434802	TACT BUTTON/B	RJM509396-010V01										2	2	2	2	X	
N	40	10433684	FABRIC SHEET/A	RJM512456-001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	41	10450096	FABRIC SHEET/B	RJM512457-003V02	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	42	10436783	FABRIC TAPE/10X42	M440240-003V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	43	10439051	FABRIC TAPE/5X30	M440583-004V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
<b>KEYBOARD UNIT</b>																			
N	44	10438926	KEYBOARD UNIT	TK-RJM512338*002	1	1	1	1	1	1	1	1	1	1	1	1	1	C	
N	45	10439085	BLACK KEY	RJM512042-001V02	36	36	36	36	36	36	36	36	36	36	36	36	36	B	
N	46	10437155	WHITE KEY/SA	RJM512040-002V02	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	47	10437154	WHITE KEY/B	RJM512039-002V02	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	48	10437152	WHITE KEY/CEGB	RJM512037-002V02	7	7	7	7	7	7	7	7	7	7	7	7	7	B	
N	49	10437153	WHITE KEY/DFA	RJM512038-002V02	7	7	7	7	7	7	7	7	7	7	7	7	7	B	
N	50	10437156	WHITE KEY/SC	RJM512041-002V02	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	51	10341062	HAMMER UNIT/W1	TK-RJM509600*001	13	13	13	13	13	13	13	13	13	13	13	13	13	C	
N	52	10341063	HAMMER UNIT/W2	TK-RJM509601*001	13	13	13	13	13	13	13	13	13	13	13	13	13	C	
N	53	10341064	HAMMER UNIT/W3	TK-RJM509602*001	13	13	13	13	13	13	13	13	13	13	13	13	13	C	
N	54	10341065	HAMMER UNIT/W4	TK-RJM509603*001	13	13	13	13	13	13	13	13	13	13	13	13	13	C	
N	55	10341066	HAMMER UNIT/B1	TK-RJM509604*001	9	9	9	9	9	9	9	9	9	9	9	9	9	C	
N	56	10341067	HAMMER UNIT/B2	TK-RJM509605*001	9	9	9	9	9	9	9	9	9	9	9	9	9	C	
N	57	10341068	HAMMER UNIT/B3	TK-RJM509606*001	9	9	9	9	9	9	9	9	9	9	9	9	9	C	
N	58	10341069	HAMMER UNIT/B4	TK-RJM509607*001	9	9	9	9	9	9	9	9	9	9	9	9	9	C	
N	59	10427355	KEY SPACER/A	RJM512181-001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	60	10427356	KEY SPACER/B	RJM512182-001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	61	10427357	KEY SPACER/C	RJM512183-001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	62	10427358	KEY SPACER/D	RJM512184-001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	63	37195442	FLAT CABLE	N30315B1B05-UL2896	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	64	10437600	RUBBER CONTACT/AG	RJM512163-001V02	7	7	7	7	7	7	7	7	7	7	7	7	7	B	
N	65	10431698	RUBBER CONTACT/AC	RJM512164-001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	C	
N	66	10398226	FELT/LOWER LIMIT/BLACK KEY	RJM510067-002V02	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	67	10398227	FELT/LOWER LIMIT/WHITE KEY	RJM503562-002V02	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	68	10398219	FELT/UPPER LIMIT/HAMMER	RJM511203-001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	69	10294093	FELT/LOWER LIMIT/HAMMER	TK-RJM507910*001	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	70	10388000	PLATE	RJM510952-001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	71	10343387	FABRIC TAPE/ACP	RJM510100-001V01	1	1	1	1	1	1	1	1	1	1	1	1	1	X	



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					1	2	3	4	5	6	7	8	9	10	11	12		
<b>MAIN CASE UNIT</b>																		
	72	10047599	FABRIC TAPE/10X100	M440710-1	1	1	1	1	1	1	1	1	1	1	1	1	X	
	73	10216003	SPONGE/50X115	RJM506431-001V01	1	1	1	1	1	1	1	1	1	1	1	1	X	
N	74	10428360	PLASTIC BASE	RJM512102-001V01	7	7	7	7	7	7	7	7	7	7	7	7	X	
	75	10439492	FABRIC TAPE	RJM512639-001V01	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	76	10439826	WASHER	RJM512640-001V01	4	4	4	4	4	4	4	4	4	4	4	4	X	
	77	10433567	SIDE BOARD/LEFT	TK-RJM511951*001	1	1	1										X	
	77	10433568	SIDE BOARD/LEFT	TK-RJM511951*002					1	1	1						X	
	77	10433569	SIDE BOARD/LEFT	TK-RJM511951*003									1	1	1		X	
N	77	10499469	SIDE BOARD/LEFT	TK-RJM511951*005				1									X	
N	77	10499470	SIDE BOARD/LEFT	TK-RJM511951*006								1					X	
N	77	10499471	SIDE BOARD/LEFT	TK-RJM511951*007												1	X	
	78	10433570	SIDE BOARD/RIGHT	TK-RJM511952*001	1	1	1										X	
	78	10433571	SIDE BOARD/RIGHT	TK-RJM511952*002					1	1	1						X	
	78	10433572	SIDE BOARD/RIGHT	TK-RJM511952*003									1	1	1		X	
N	78	10499472	SIDE BOARD/RIGHT	TK-RJM511952*005				1									X	
N	78	10499473	SIDE BOARD/RIGHT	TK-RJM511952*006								1					X	
N	78	10499474	SIDE BOARD/RIGHT	TK-RJM511952*007												1	X	
	79	10433589	SIDE RACK UNIT/LEFT	TK-RJM511881*001	1	1	1	1	1	1	1	1					X	
	79	10433590	SIDE RACK UNIT/LEFT	TK-RJM511881*002									1	1	1	1	X	
	80	10433591	SIDE RACK UNIT/RIGHT	TK-RJM511882*001	1	1	1	1	1	1	1	1					X	
	80	10433592	SIDE RACK UNIT/RIGHT	TK-RJM511882*002									1	1	1	1	X	
N	81	10429205	BRACKET	RJM512120-001V01	2	2	2	2	2	2	2	2	2	2	2	2	X	
	82	10190385	FABRIC TAPE/12X30	RJM504470-002V01	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	83	10427677	SCREW CAP	RJM512119-001V01	2	2	2	2	2	2	2	2					X	
N	83	10433701	SCREW CAP	RJM512119-002V01									2	2	2	2	X	
	84	69235860	FABRIC TAPE/3X10	M440216-1	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	85	10442262	DOUBLE FACED TAPE	RJM512682-001V01	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	86	10427360	SIDE BLOCK/LEFT	RJM511965-001V01	1	1	1	1	1	1	1	1					X	
N	86	10433712	SIDE BLOCK/LEFT	RJM511965-002V01									1	1	1	1	X	
N	87	10427361	SIDE BLOCK/RIGHT	RJM511966-001V01	1	1	1	1	1	1	1	1					X	
N	87	10433713	SIDE BLOCK/RIGHT	RJM511966-002V01									1	1	1	1	X	
	88	69265810	SPONGE/35X60	M440593-1	2	2	2	2	2	2	2	2	2	2	2	2	X	
	89	10305236	FABRIC TAPE/30X20	M411136-003V03	1	1	1	1	1	1	1	1	1	1	1	1	X	
	90	69261570	SPONGE/35X130	M440013-2	4	4	4	4	4	4	4	4	4	4	4	4	X	
N	91	10432627	CABLE HARNESS	EF-SMP5P053M923	1	1	1	1	1	1	1	1	1	1	1	1	X	for Pedal connector
N	92	10433040	CABLE HARNESS	EF-SMP2P032M923	1	1	1	1	1	1	1	1	1	1	1	1	X	for Piano lid switch
N	93	10434493	BRACKET	RJM507983-001V02	5	5	5	5	5	5	5	5	5	5	5	5	X	
	94	10433561	LOWER BOARD	TK-RJM511880*001	1	1	1										X	

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					1	2	3	4	5	6	7	8	9	10	11	12			
	94	10433562	LOWER BOARD	TK-RJM511880*002					1	1	1							X	
	94	10433588	LOWER BOARD	TK-RJM511880*003									1	1	1			X	
N	94	10499495	LOWER BOARD	TK-RJM511880*011				1										X	
N	94	10499496	LOWER BOARD	TK-RJM511880*012								1						X	
N	94	10499497	LOWER BOARD	TK-RJM511880*013													1	X	
N	95	10430891	RUBBER FOOT	RJM512247-001V01	2	2	2	2	2	2	2							X	
N	95	10436354	RUBBER FOOT	RJM512247-002V02									2	2	2	2		X	
N	96	69265850	FABRIC TAPE/20X10	M411742-3	2	2	2	2	2	2	2	2	2	2	2	2		X	
	97	10433558	FRONT BOARD UNIT	TK-RJM511884*001	1	1	1											X	
	97	10433559	FRONT BOARD UNIT	TK-RJM511884*002					1	1	1							X	
	97	10433560	FRONT BOARD UNIT	TK-RJM511884*003									1	1	1			X	
N	97	10499478	FRONT BOARD UNIT	TK-RJM511884*005				1										X	
N	97	10499479	FRONT BOARD UNIT	TK-RJM511884*006								1						X	
N	97	10499480	FRONT BOARD UNIT	TK-RJM511884*007													1	X	
	98	10343859	DOUBLE FACED TAPE/15X75	RJM510102-001V01	2	2	2	2	2	2	2	2	2	2	2	2		X	
N	99	10429211	SPEAKER NET	M441205-001V02	2	2	2	2	2	2	2	2	2	2	2	2		X	
	100	10337993	SPEAKER	C12J08	2	2	2	2	2	2	2	2	2	2	2	2		X	
N	101	10433023	CABLE HARNESS	EF-EH2P060M922	1	1	1	1	1	1	1	1	1	1	1	1	1	X	for Left speaker
N	102	10433024	CABLE HARNESS	EF-EH2P086M923	1	1	1	1	1	1	1	1	1	1	1	1	1	X	for Right speaker
	103	10334382	BOX/SPEAKER	RJM509334-001V01	2	2	2	2	2	2	2	2						X	
N	103	10451080	BOX/SPEAKER	RJM509334-004V01									2	2	2	2		X	
N	104	10432770	BOX/PCB	RJM511899-003V01	1	1	1	1	1	1	1	1						X	
N	104	10446800	BOX/PCB	RJM511899-007V01									1	1	1	1		X	
	105	10126044	NUT	6303-13	2	2	2	2	2	2	2	2	2	2	2	2		X	
N	106	10432760	LABEL/RATING	RJM504373-087V02	1	1	1	1										X	
	106	10442253	LABEL/RATING	RJM504373-095V02					1	1	1	1						X	
N	106	10446753	LABEL/RATING	RJM504373-098V02									1	1	1	1		X	
<b>STAND</b>																			
N	107	10434323	BACK BOARD	TK-RJM512462*001	1	1	1											X	
N	107	10438139	BACK BOARD	TK-RJM512462*002					1	1	1							X	
N	107	10447151	BACK BOARD	TK-RJM512462*003									1	1	1			X	
N	107	10499498	BACK BOARD	TK-RJM512462*005				1										X	
N	107	10499499	BACK BOARD	TK-RJM512462*006								1						X	
N	107	10499500	BACK BOARD	TK-RJM512462*007													1	X	
	108	10246604	NUT/CROSS	YD-0370163	4	4	4	4	4	4	4	4						X	
	108	10246605	NUT/CROSS	YD-0370169									4	4	4	4		X	
N	109	10246610	BOLT	YD-0386409	4	4	4	4	4	4	4	4	4	4	4	4		X	

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					1	2	3	4	5	6	7	8	9	10	11	12			
N	110	10438144	STAND KNEEHOLE BOARD	TK-RJM512624*001	1	1	1											X	
N	110	10438142	STAND KNEEHOLE BOARD	TK-RJM512624*002					1	1	1							X	
N	110	10447152	STAND KNEEHOLE BOARD	TK-RJM512624*003									1	1	1			X	
N	110	10499501	STAND KNEEHOLE BOARD	TK-RJM512624*005				1										X	
N	110	10499502	STAND KNEEHOLE BOARD	TK-RJM512624*006								1						X	
N	110	10499503	STAND KNEEHOLE BOARD	TK-RJM512624*007													1	X	
	111	10433578	SIDE BOARD UNIT/LEFT	TK-RJM511956*001	1	1	1											X	
	111	10433580	SIDE BOARD UNIT/LEFT	TK-RJM511956*002					1	1	1							X	
	111	10433582	SIDE BOARD UNIT/LEFT	TK-RJM511956*003									1	1	1			X	
N	111	10499483	SIDE BOARD UNIT/LEFT	TK-RJM511956*005				1										X	
N	111	10499484	SIDE BOARD UNIT/LEFT	TK-RJM511956*006								1						X	
N	111	10499485	SIDE BOARD UNIT/LEFT	TK-RJM511956*007													1	X	
	112	10433579	SIDE BOARD UNIT/RIGHT	TK-RJM511957*001	1	1	1											X	
	112	10433581	SIDE BOARD UNIT/RIGHT	TK-RJM511957*002					1	1	1							X	
	112	10433583	SIDE BOARD UNIT/RIGHT	TK-RJM511957*003									1	1	1			X	
N	112	10499486	SIDE BOARD UNIT/RIGHT	TK-RJM511957*005				1										X	
N	112	10499487	SIDE BOARD UNIT/RIGHT	TK-RJM511957*006								1						X	
N	112	10499488	SIDE BOARD UNIT/RIGHT	TK-RJM511957*007													1	X	
	113	10343868	RUBBER FOOT	RJM503236-001V02	2	2	2	2	2	2	2	2	2	2	2	2	2	X	
	114	10134829	RUBBER FOOT	RJM503203-001V01	4	4	4	4	4	4	4	4	4	4	4	4	4	X	
N	115	10431922	BRACKET	RJM512395-001V01	2	2	2	2	2	2	2	2	2	2	2	2	2	X	
N	116	10432678	BRACKET/for KNEEHOLE BOARD	RJM512307-001V01	2	2	2	2					2	2	2	2		X	
N	116	10437900	BRACKET/for KNEEHOLE BOARD	RJM512307-002V01					2	2	2	2						X	
N	117	10434320	PEDAL BOARD UNIT	TK-RJM511988*010				1										X	
N	117	10434321	PEDAL BOARD UNIT	TK-RJM511988*011	1													X	
N	117	10434322	PEDAL BOARD UNIT	TK-RJM511988*012		1												X	
N	117	10438138	PEDAL BOARD UNIT	TK-RJM511988*013							1							X	
N	117	10442848	PEDAL BOARD UNIT	TK-RJM511988*014					1									X	
N	117	10442849	PEDAL BOARD UNIT	TK-RJM511988*015						1								X	
N	117	10447153	PEDAL BOARD UNIT	TK-RJM511988*016									1	1	1			X	
N	117	10499504	PEDAL BOARD UNIT	TK-RJM511988*021				1										X	
N	117	10499505	PEDAL BOARD UNIT	TK-RJM511988*022								1						X	
N	117	10499506	PEDAL BOARD UNIT	TK-RJM511988*023													1	X	
N	118	10431917	PEDAL BOARD	RJM511989-001V01	1	1	1											X	
N	118	10433695	PEDAL BOARD	RJM511989-002V01					1	1	1							X	
N	118	10433719	PEDAL BOARD	RJM511989-003V01									1	1	1			X	
N	118	10494276	PEDAL BOARD	RJM511989-005V01				1										X	
N	118	10494277	PEDAL BOARD	RJM511989-006V01								1						X	
N	118	10494278	PEDAL BOARD	RJM511989-007V01													1	X	

1: PX-850\_BLACK\_DI  
 2: PX-850\_BLACK\_EU  
 3: PX-850\_BLACK\_UK  
 4: PX-850\_BLACK\_US

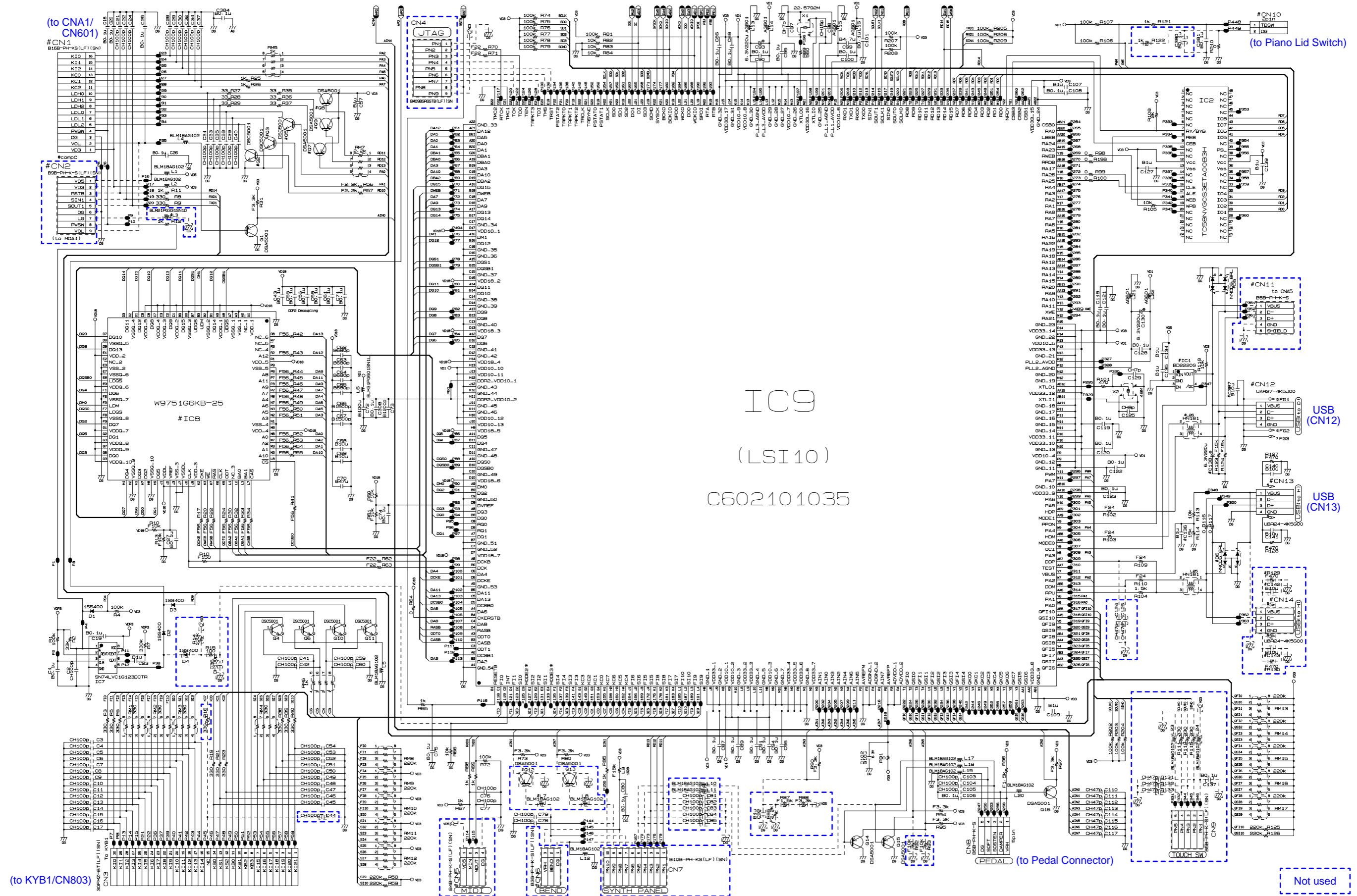
5: PX-850\_BROWN\_DI  
 6: PX-850\_BROWN\_EU  
 7: PX-850\_BROWN\_UK  
 8: PX-850\_BROWN\_US

9: PX-850\_WHITE\_DI  
 10: PX-850\_WHITE\_EU  
 11: PX-850\_WHITE\_UK  
 12: PX-850\_WHITE\_US

N	Item	Code No.	Parts Name	Specification	Q'ty												R	Remarks
					1	2	3	4	5	6	7	8	9	10	11	12		
	119	10433573	PEDAL UNIT	TK-RJM512283*001	1	1	1	1	1	1	1	1	1	1	1	1	X	for Pedal unit
	120	10339497	CABLE HARNESS	EF-SMR5P155MP5	1	1	1	1	1	1	1	1	1	1	1	X		
N	121	10434325	SCREW SET	TK-RJM512438*001	1	1	1	1								X		
N	121	10438141	SCREW SET	TK-RJM512438*002					1	1	1	1				X		
N	121	10449090	SCREW SET	TK-RJM512438*008										1	1	X		
N	121	10447154	SCREW SET	TK-RJM512438*009								1				X		
N	121	10447155	SCREW SET	TK-RJM512438*010									1			X		
<b>ACCESSORIES</b>																		
N	-	10434324	STAND/MUSIC	TK-RJM512328*001	1	1	1	1									C	without AC cord
N	-	10438140	STAND/MUSIC	TK-RJM512328*002					1	1	1	1					C	
N	-	10447156	STAND/MUSIC	TK-RJM512328*003									1	1	1	1	C	
N	-	10392267	AC ADAPTOR	AD-E24250LW-P5	1	1	1	1									B	
	-	10442256	AC ADAPTOR	AD-E24250LW-P6					1	1	1	1	1	1	1	1	B	
	-	10361066	AC CORD	UC2LT-M006A	1			1	1		1	1			1		X	
N	-	10432438	AC CORD	EC2LT-M003A	1	1			1	1		1	1				X	
N	-	10432439	AC CORD	KC2LT-M003A	1				1			1					X	
N	-	10432440	AC CORD	BC2LT-M003A			1				1				1		X	

# SCHEMATIC DIAGRAMS

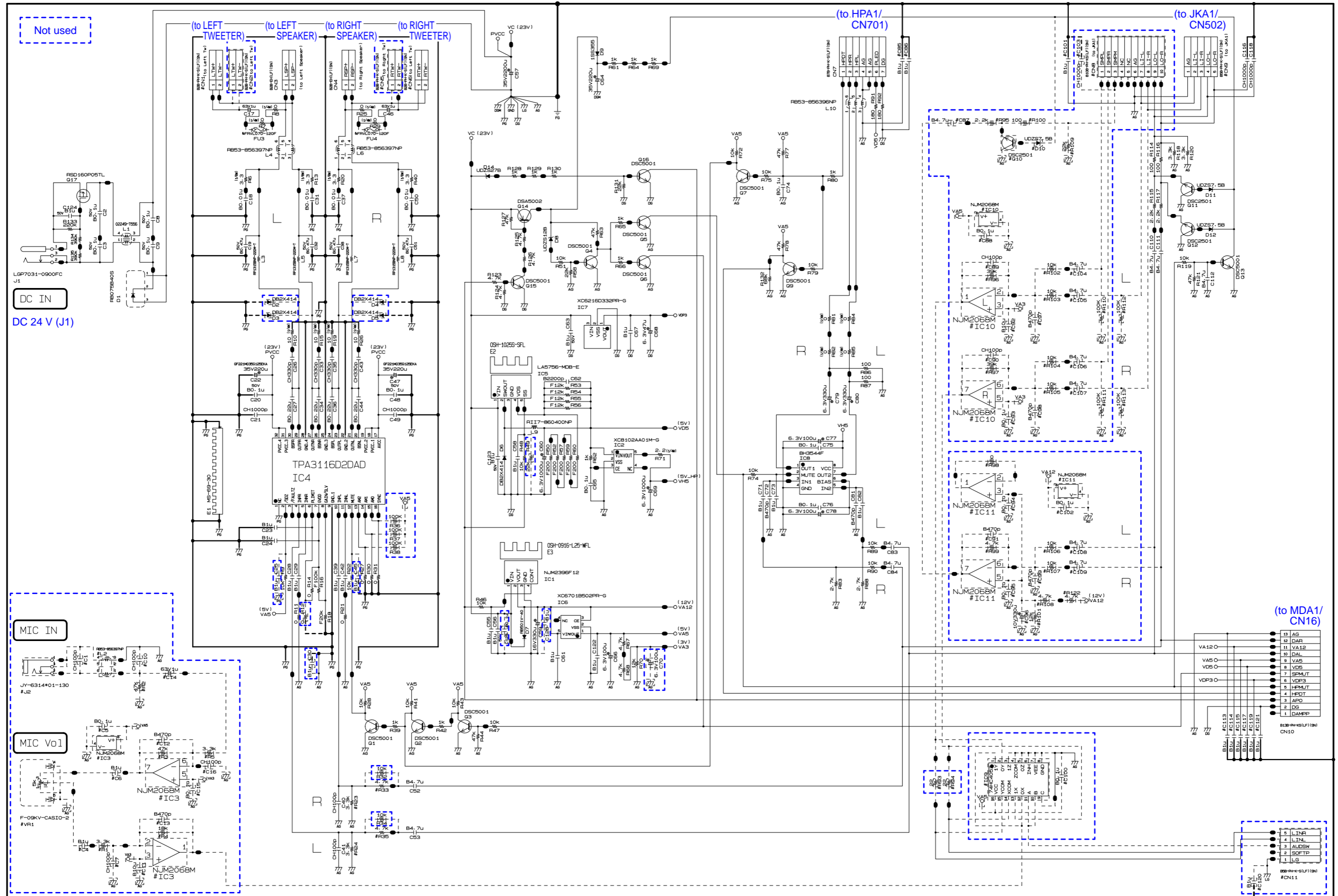
## MAIN PCB: M920-MDA1 (1/2)





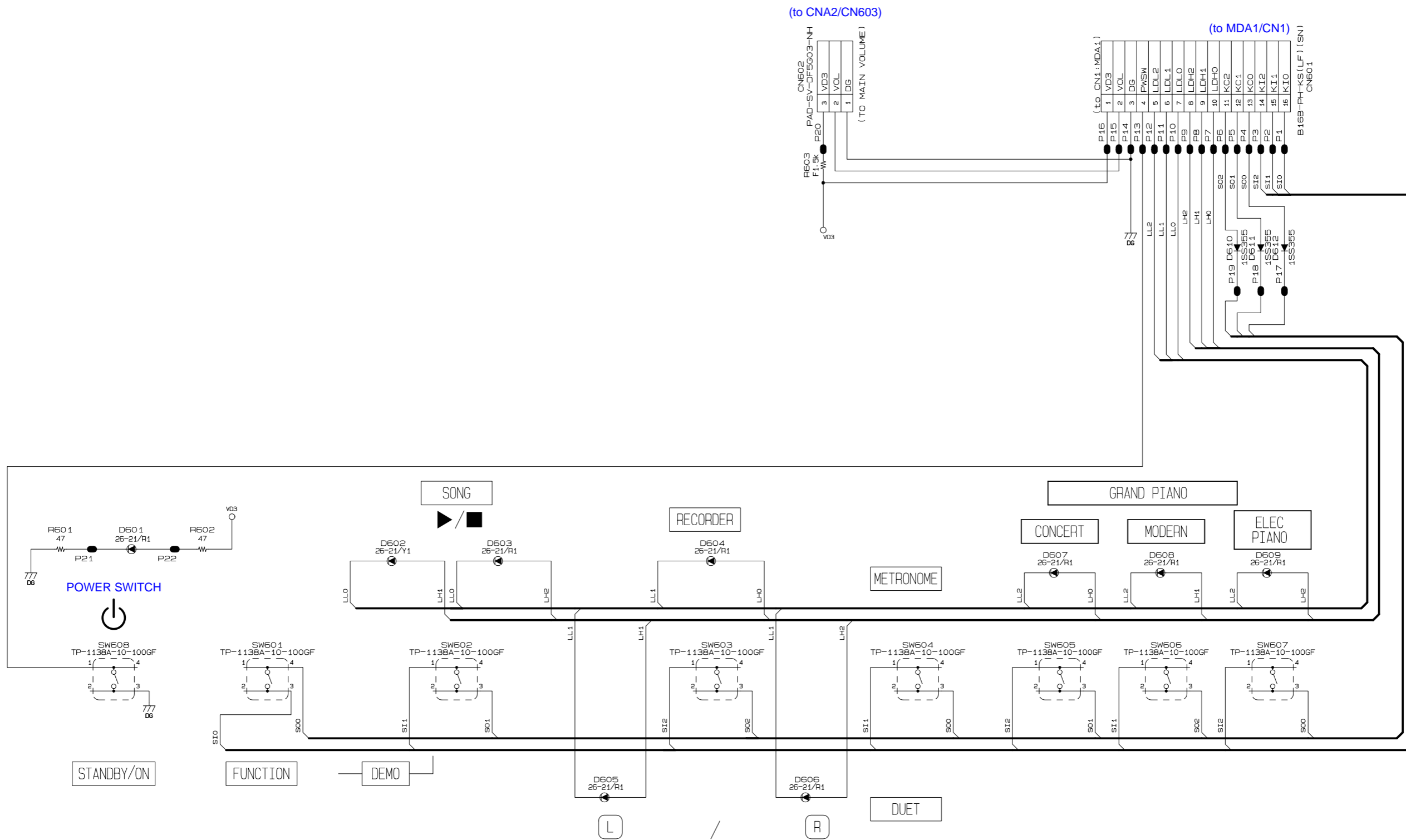


POWER & AMP PCB: M923-PSA1

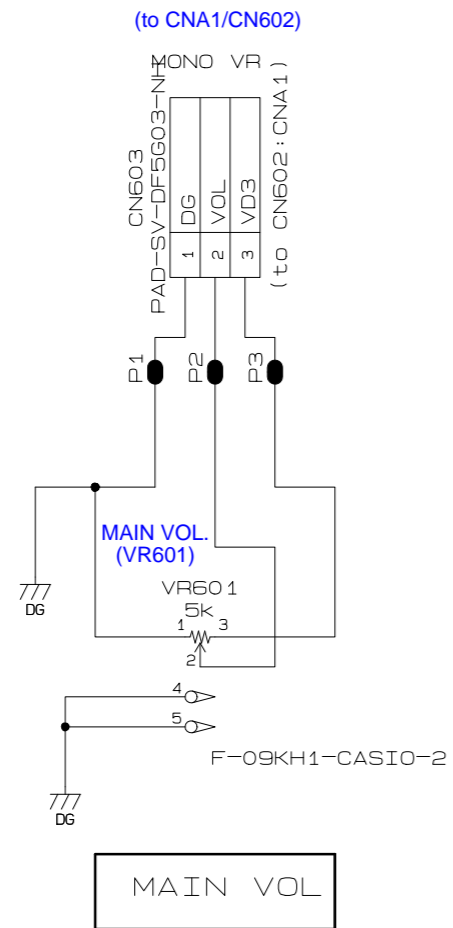




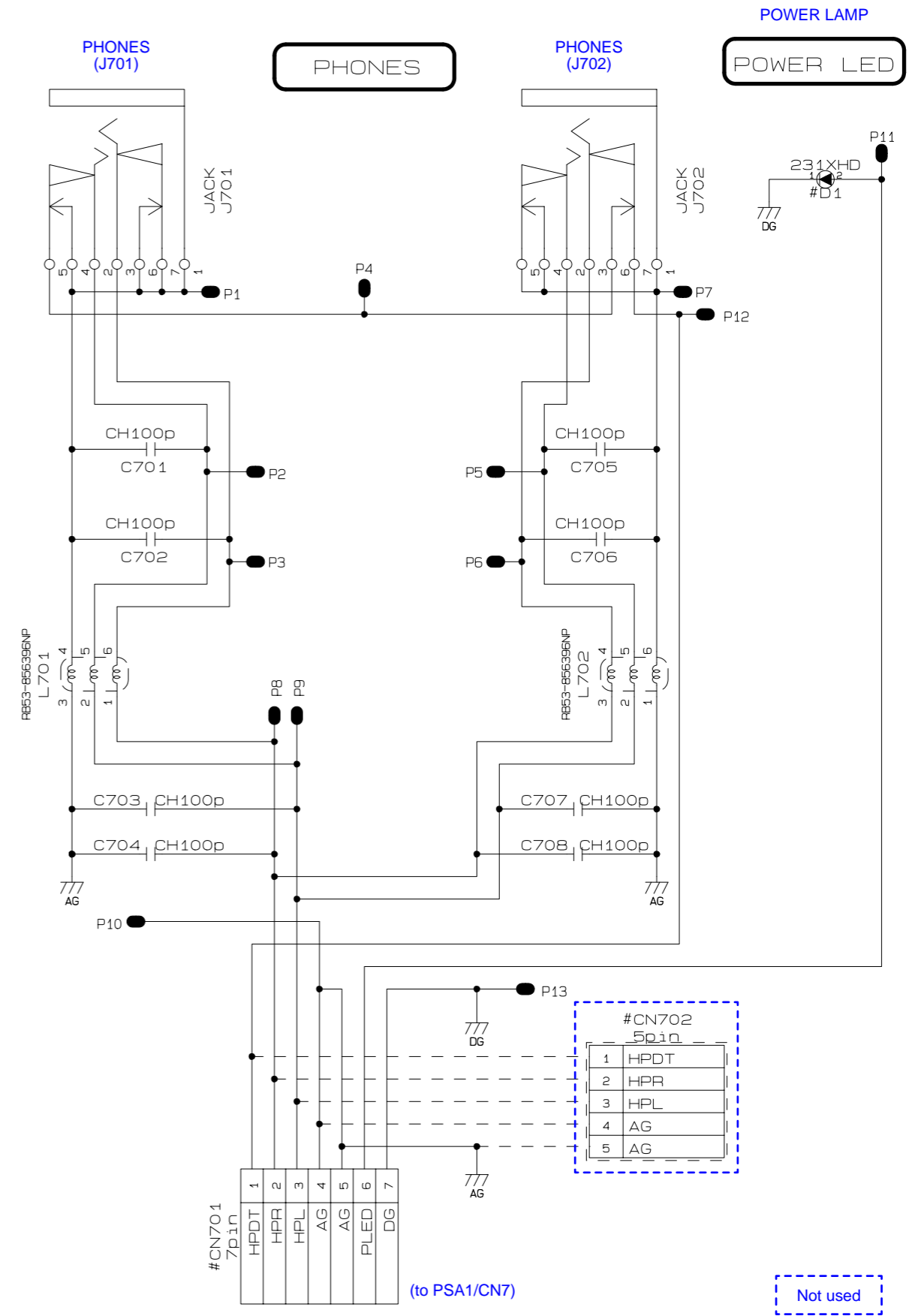
CONSOLE PCB: M920-CNA1



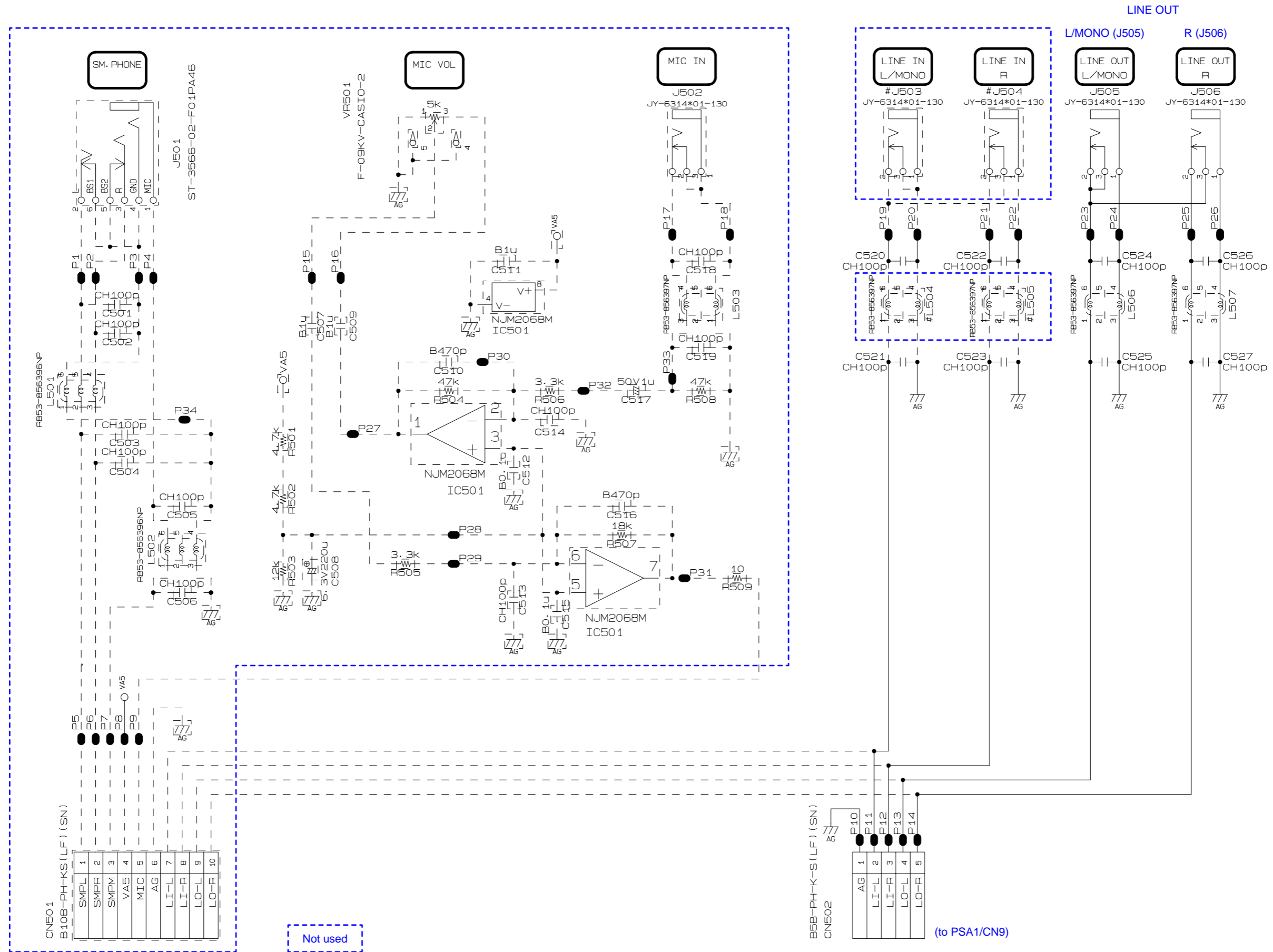
CONSOLE PCB: M920-CNA2



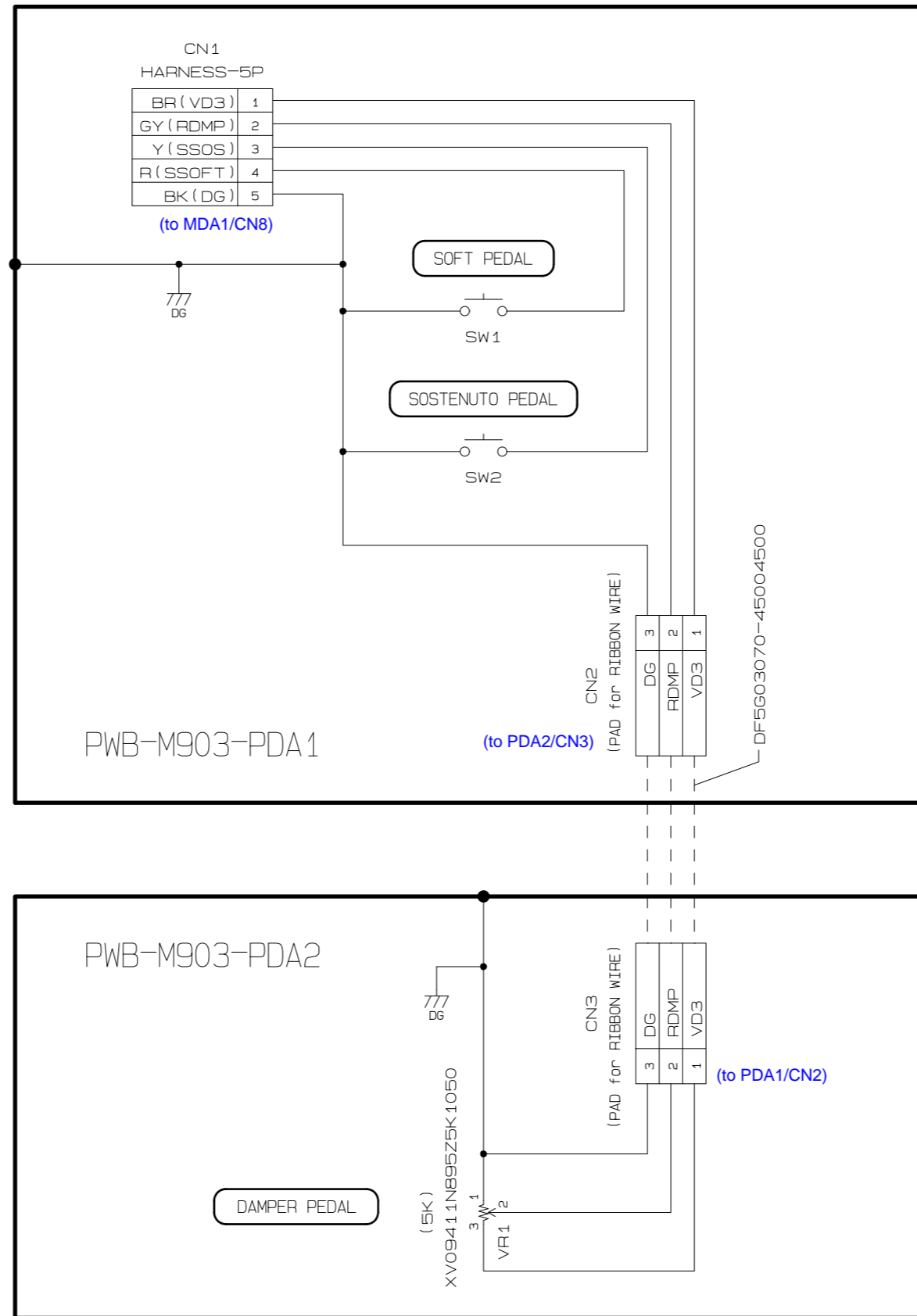
CONSOLE PCB: M920-HPA1

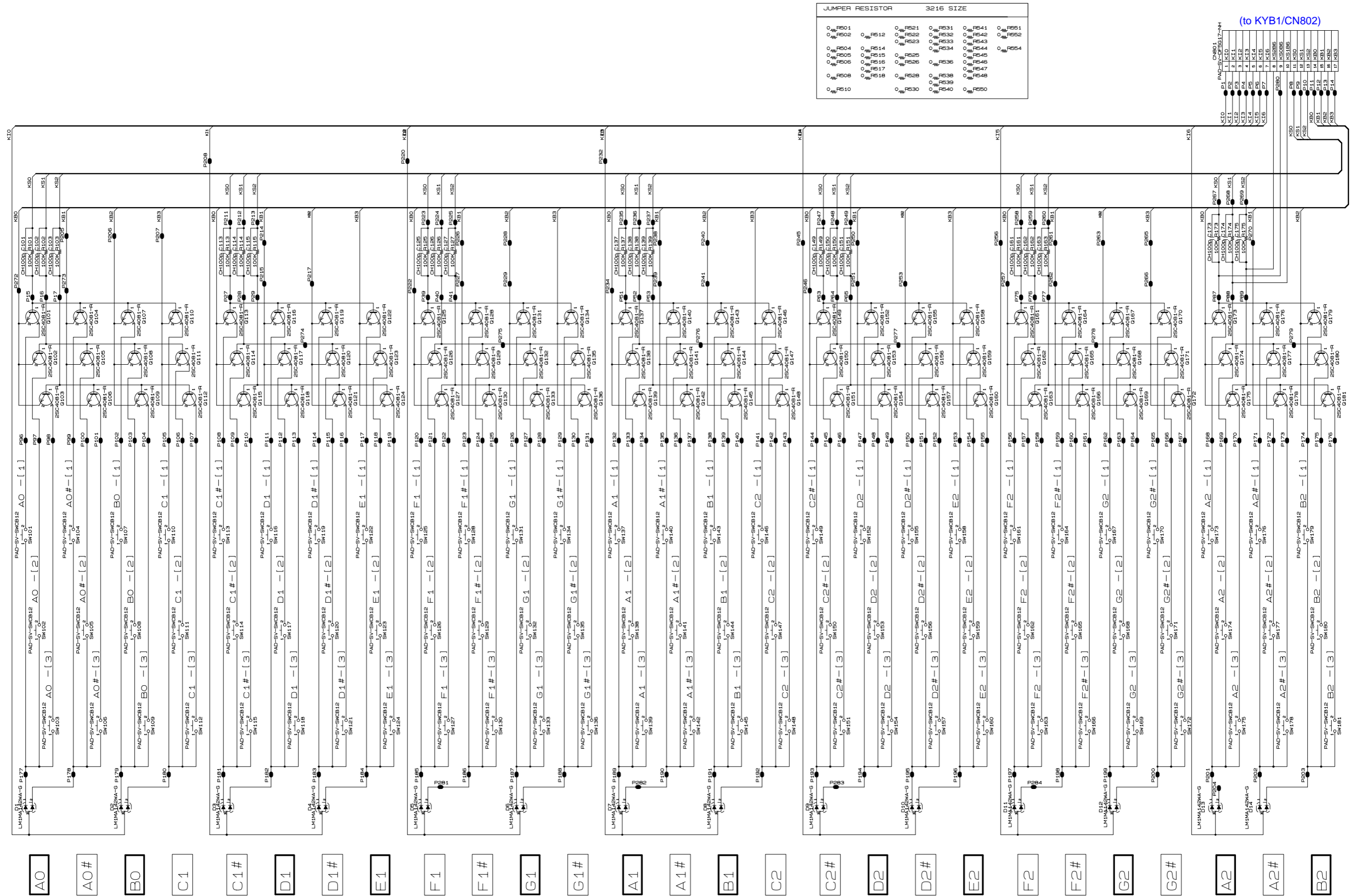


CONSOLE PCB: M921-JKA1



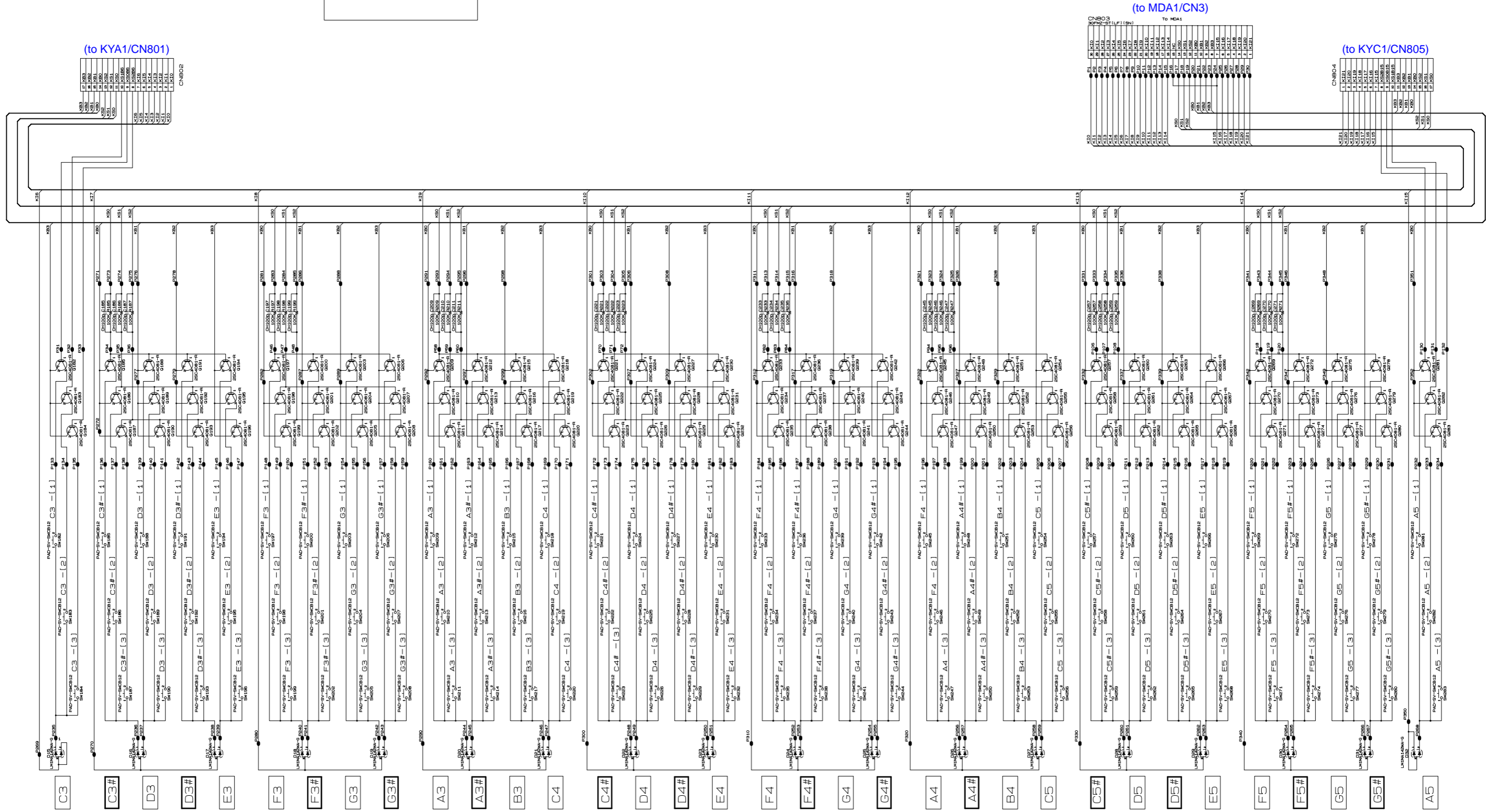
PEDAL PCB: M903-PDA1 / M903-PDA2





KEYBOARD PCB: M920-KYB1

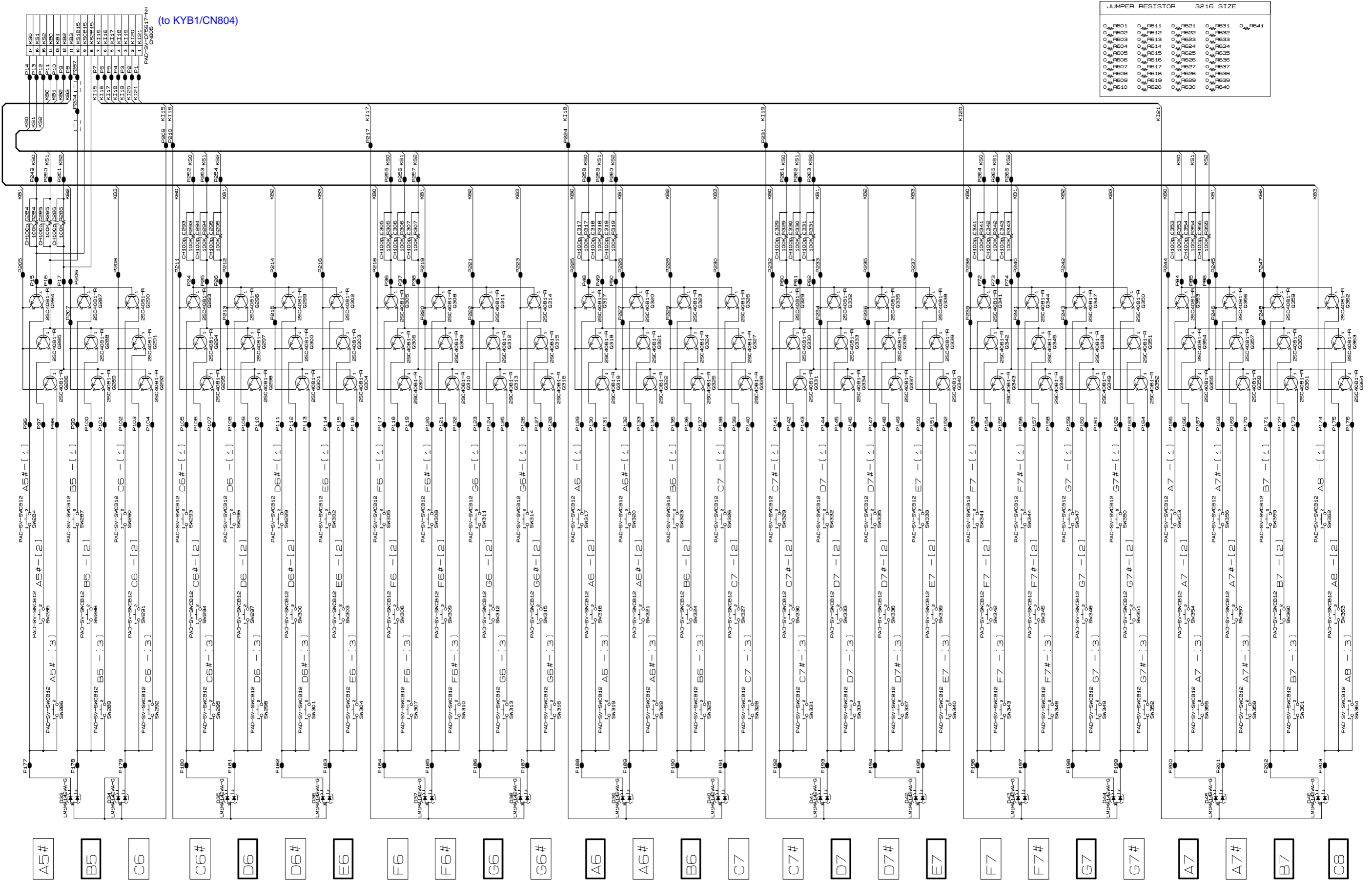
JUMPER RESISTOR		3216#120
R401	R411	
R402	R412	
R403	R413	
R404	R414	
R405	R415	
R406	R416	
R407	R417	
R408	R418	
R409	R419	
R410	R420	
R421	R431	
R422	R432	
R423	R433	
R424	R434	
R425	R435	
R426	R436	
R427	R437	
R428	R438	
R429	R439	
R430	R440	



KEYBOARD PCB: M920-KYC1

(to KYB1/CN804)

JUMPER	RESISTOR	3216 SIZE
0	R601	R611
0	R602	R612
0	R603	R613
0	R604	R614
0	R605	R615
0	R606	R616
0	R607	R617
0	R608	R618
0	R609	R619
0	R610	R620
0	R621	R631
0	R622	R632
0	R623	R633
0	R624	R634
0	R625	R635
0	R626	R636
0	R627	R637
0	R628	R638
0	R629	R639
0	R630	R640
0	R641	





Ver. 1 : Nov. 2012

- Correction of the DIAGNOSTIC PROGRAM (P56)
- Correction of the PARTS LIST (Addition of the new model: PX-850\_BROWN)

Ver. 2 : Dec. 2012

- Correction of the DIAGNOSTIC PROGRAM (P56)
- Correction of the PARTS LIST (Addition of the new model: PX-850\_WHITE)

Ver. 3 : Apr. 2013

- Correction of the CIRCUIT DESCRIPTION (P6)
- Correction of the EXPLODED VIEW (P66, P68)
- Correction of the PARTS LIST (P73 to P76)

Ver. 4 : Jun. 2014

- Correction of the PARTS LIST (P72, P74)

Ver. 5 : Nov. 2014

- Correction of the PARTS LIST (P72, P73, P75 to P77)

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

TOKYO, JAPAN