

RP701

SERVICE NOTES

Issued by RJA

Roland Digital Piano

Cautionary Notes

Before beginning the procedure, please read through this document. The matters described may differ according to the model.

Back Up User Data!

User data may be lost during the course of the procedure. Refer to **Data Backup and Restore Operations** (p. 8) in the Service Notes and save the data. After completing the procedure, restore the backed-up data to the product.

Parts List

A component whose part code is ***** will not be supplied as a service part because one of the following reasons applies.

- Because it is supplied as an assembled part (under a different part code).
- Because a number of circuit boards are grouped together and supplied as a single circuit board (under a different part code).
- Because supply is prohibited due to copyright restrictions.
- Because reissuance is restricted.
- Because the part is made to order (at current market price).
- Because it is carried in electronic data on the Roland web site.
- Because it is a package or an accessory irrelevant to the function maintenance of the main body.
- Because it can be replaced with an article on the market. (battery or etc.)
- Because it is sold as a product.

Circuit Diagram

In the circuit diagram, "NIU" is an abbreviation for "Not in Use," and "UnPop" is an abbreviation for "Unpopulated." They both mean non-mounted components. The circuit board and circuit board diagram show silk-screened indications, but no components are mounted.

There are cases that the circuit diagrams are omitted. This omission will happen to the highly integrated digital circuit boards (e.g. Main Board etc) that are virtually impossible to repair nor analyze.

Specifications

Sound Generator

Piano Sound

SuperNATURAL Piano

Max. Polyphony

256 voices

Tones

Total 324 Tones

Keyboard

PHA-4 Standard Keyboard: with Escapement and Ivory Feel (88 keys)

Pedal

Damper (Progressive Damper Action Pedal, capable of continuous detection)

Soft (capable of continuous detection, function assignable)

Sostenuto (function assignable)

Speaker System

Speakers

12 cm (4-3/4 inches) x 2

Rated Power Output

12 W x 2

Headphones

Effect: Headphones 3D Ambience

Tuning, Voicing

Touch Sensitivity

Key Touch: 100 types, fixed touch

Hammer Response: 10 types

Master Tuning

415.3–466.2 Hz (adjustable in increments of 0.1 Hz)

Temperament

10 types (Equal, Just Major, Just Minor, Pythagorean, Kirnberger I, Kirnberger II, Kirnberger III, Meantone, Werckmeister, Arabic), selectable temperament key

Effects

Brilliance, Ambience

Piano Designer

Lid

String Resonance

Damper Resonance

Key Off Resonance

Single Note Tuning

Single Note Volume

Single Note Character

Internal Songs

Total 377 songs

Listening: 10 songs

Ensemble: 30 songs

Entertainment: 20 songs

Let's Sing with DO RE MI: 30 songs

Lesson: 287 songs (Scale, Hanon, Beyer, Burgmuller, Czerny 100)

Data Playback

Playable Software

Standard MIDI Files (Format 0, 1)

Audio File (WAV: 44.1 kHz, 16-bit linear format, MP3: 44.1 kHz, 64 kbps - 320 kbps, requires USB Flash Memory)

Recorder

Recordable Software

Standard MIDI Files (Format 0, 3 parts, Approx. 70,000 notes memory)

Audio File (WAV: 44.1 kHz, 16-bit linear format, requires USB Flash Memory)

Bluetooth

Audio: Bluetooth Ver 3.0 (Supports SCMS-T content protection)

MIDI: Bluetooth Ver 4.0

Compatible Android / iOS Apps (Roland)

Piano Every Day

Piano Designer

Convenient Functions

Metronome (adjustable Tempo/Beat/Down beat/Pattern/Volume/Tone)

Dual

Split

TwinPiano

Transpose (in semitones)

Speaker volume and Headphones volume automatically select function

Volume limit function

Speaker Auto Mute

Panel Lock

Auto Off

Cabinet

Music rest: Fixed angle, with Music holders

Key cover: Slide type, with Classic Position

Other

Display

Graphic OLED 128 x 64 dots

Connectors

DC In jack

Input jacks: Stereo miniature phone type

USB Computer port: USB B type

USB Memory port: USB A type

Phones jack x 2: Stereo miniature phone type, Stereo 1/4-inch phone type

Power Supply

AC adaptor

Power Consumption

Power Consumption: 20 W (when using the included AC adaptor)

* Approximate power consumption when playing the piano at medium volume:
4 W

* Power consumption when sound has not been played after power on: 3 W

Dimensions

With music rest:

1,366 (W) x 463 (D) x 1,027 (H) mm

53-13/16 (W) x 18-1/4 (D) x 40-7/16 (H) inches

Weight

46.0 kg/101 lbs 7 oz

Accessories

Owner's Manual (#5100071218)

Leaflet "USING THE UNIT SAFELY" (#*****)

The collection of scores "Roland Piano Masterpieces" (only for China)
(#5100064270)

AC adaptor (#5100047496)

Power cord (#02562456, #5100012293, #01903356, #5100018086, #5100033404,
#5100019558, #5100039367)

Headphone hook (#5100046646)

Screw Set

Screw (4 x 14 mm) (DR, LA, CB: #40127267, WH: #5100035575) x 2

Screw (4 x 16 mm) (#40126267) x 2

Screw (4 x 20 mm) (DR, LA, CB: #40010678, WH: #40012112) x 4

Screw (5 x 20 mm) (DR, LA, CB: #40679101, WH: #5100072524) x 2

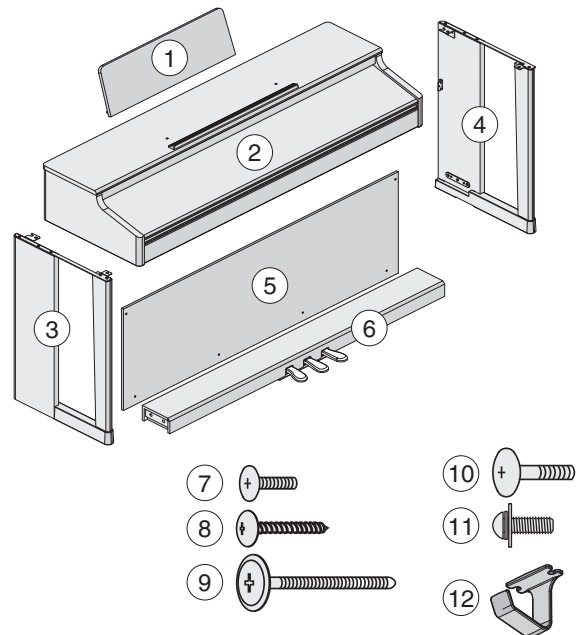
Screw (5 x 40 mm) (#40782501) x 4

Option (sold separately)

Headphones

Contents of the Unit and Stand

The unit and stand consist of the following parts.



- 1: Music Rest (DR: #5100072494, LA: #5100072495, CB: #5100071354, WH: #5100072496)
- 2: Piano Main Unit (#*****)
- 3: Side Board (left) (#*****)
- 4: Side Board (right) (#*****)
- 5: Rear Board (DR: #5100071371, LA #5100071373, CB: #5100071370, WH: #5100071372)
- 6: Pedal Board (#*****)
- 7: Screw (4 x 14 mm) (DR, LA, CB: #40127267, WH: #5100035575) x 2
- 8: Screw (4 x 20 mm) (DR, LA, CB: #40010678, WH: #40012112) x 4
- 9: Screw (5 x 40 mm) (#40782501) x 4
- 10: Screw (5 x 20 mm) (DR, LA, CB: #40679101, WH: #5100072524) x 2
- 11: Screw (4 x 16 mm) (#40126267) x 2
- 12: Headphone Hook (#5100046646) x 1

* Printed matters will not be supplied after the end of the production. Then, download the electronic file from the Roland web site.

* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

Disassembly Procedure

NOTE

- When disassembling the unit, a table or stand for temporary placement of the unit may become necessary. To ensure safe operations, we recommend providing a table or stand assured of supporting 33 kg or more, and space measuring at least 1.5 m wide.
- To prevent accidents, when performing disassembly of the unit, be sure to first turn off the power to the unit and unplug the power cord.

* To remove the main components, disassemble in the sequence described below. After completing servicing, take care to ensure that the wiring is restored to its original state and placement. Tightly re-secure all removed hardware fixtures.

Detaching the Top Board

1. Loosen the 2 screws on the back of the music rest slightly and detach the Music Rest from the Top Board.



2. Remove the 4 screws from the back.
(Plain View (Fig. A) (1), B-1 in View A1)



3. Slide the Top Board to the keyboard side, then lift and detach it.



Detaching the Music Stopper

1. Detach the Top Board. (as described earlier)
2. Remove the 11 screws securing the Upper Blind Angle to the Top Board and detach the Upper Blind Angle and Upper Blind.
(Plain View (Fig. B), G-1 in View B2)

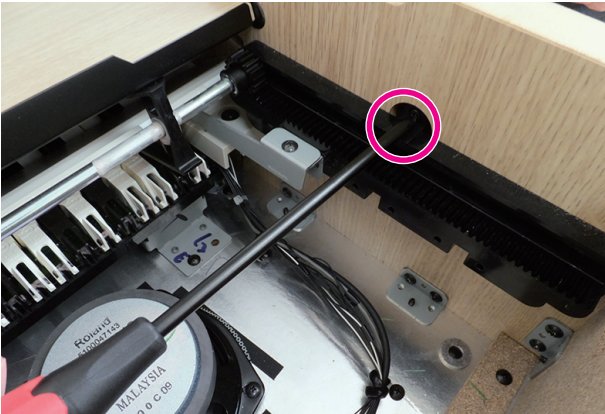


3. Remove the 7 screws securing the Top Board from underneath and detach the Music Stopper. (Plain View (Fig. B), r in View B3)

* If the Stop Pin is broken, remove the 2 screws securing the Music Stopper from underneath and detach the Stopper Base and the Stop Pin.
(Plain View (Fig. B), s in View B3)

Detaching the Lid Board

1. Detach the Top Board. (as described earlier)
2. Remove the 1 screw each from the left and right sides of the Side Panel and detach the stopper.



3. Line up with the notch in the gear and lift up the Lid Board.

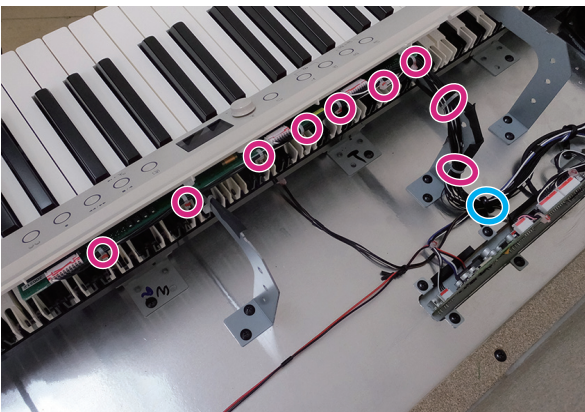


4. Angle the Lid Board diagonally front to back and detach the guide from the rail.

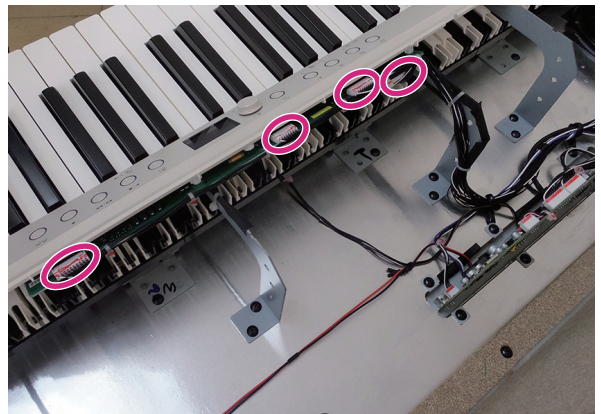
* Be careful not to scratch the Side Panel at this time.

Detaching the Front Panel

1. Detach the Top Board. (as described earlier)
2. Detach the Lid board. (as described earlier)
3. Cut the cable ties (2 locations) securing the wirings to the Center Holder and the cable ties (7 locations) securing the wirings to the Panel Board, then loose the coating clip (1 location).



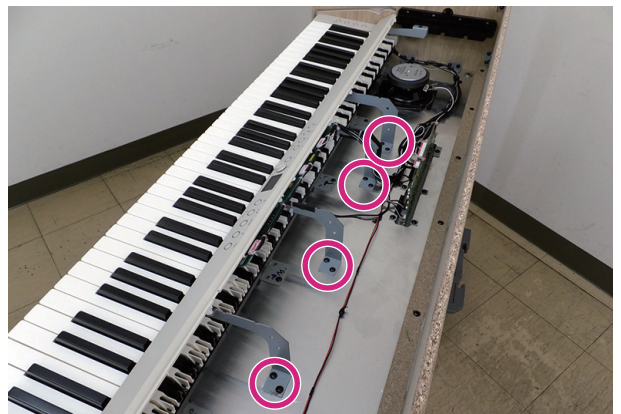
4. Disconnect the wirings (x 4) from the Panel Board.



5. Remove the 1 screw each from the left and right sides of the holder connecting the Front Panel and the Side Panel. (Plain View (Fig. A) (1), h in View A3)



6. Remove the 8 screws securing the Center Holder. (Plain View (Fig. A) (1), g in View A3)



7. Detach the Front Panel.

Detaching the End Block

1. Detach the Top Board. (as described earlier)
2. Detach the Lid board. (as described earlier)
3. Detach the Front Panel. (as described earlier)
4. Remove the 1 screw securing the unit from underneath. (Plain View (Fig. A) (1), E-2 in View A2)



5. Remove the 1 screw securing the holder of the Side Panel. (Plain View (Fig. A) (2), e in View A4)



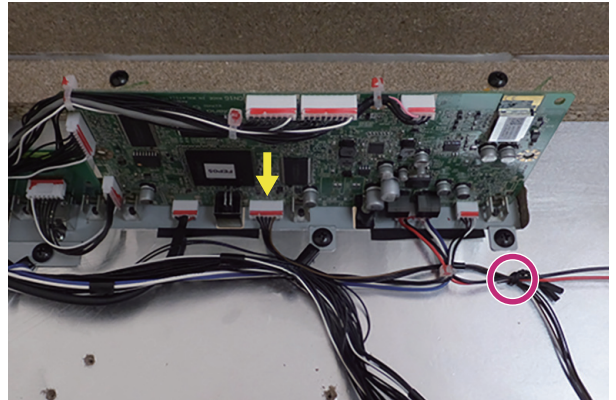
6. Loosen the coating clip (1 location) and cut the cable tie (1 location), and then detach the End Block.



7. In the same way, detach the right End Block.

Detaching the Keyboard

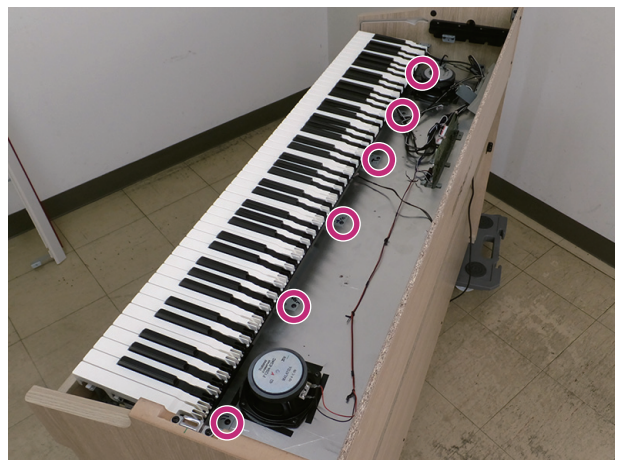
1. Detach the Top Board. (as described earlier)
2. Detach the Lid board. (as described earlier)
3. Detach the Front Panel. (as described earlier)
4. Detach the left and right End Blocks. (as described earlier)
5. Remove the 6 screws securing the Main Board Holder. (Plain View (Fig. A) (2), G-2 in View A4)
6. Loosen the coating clips (1 location) and disconnect the wiring from the Main Board.



7. Remove the 14 screws securing the keyboard from underneath. (Plain View (Fig. A) (1), E-1 in View A2)

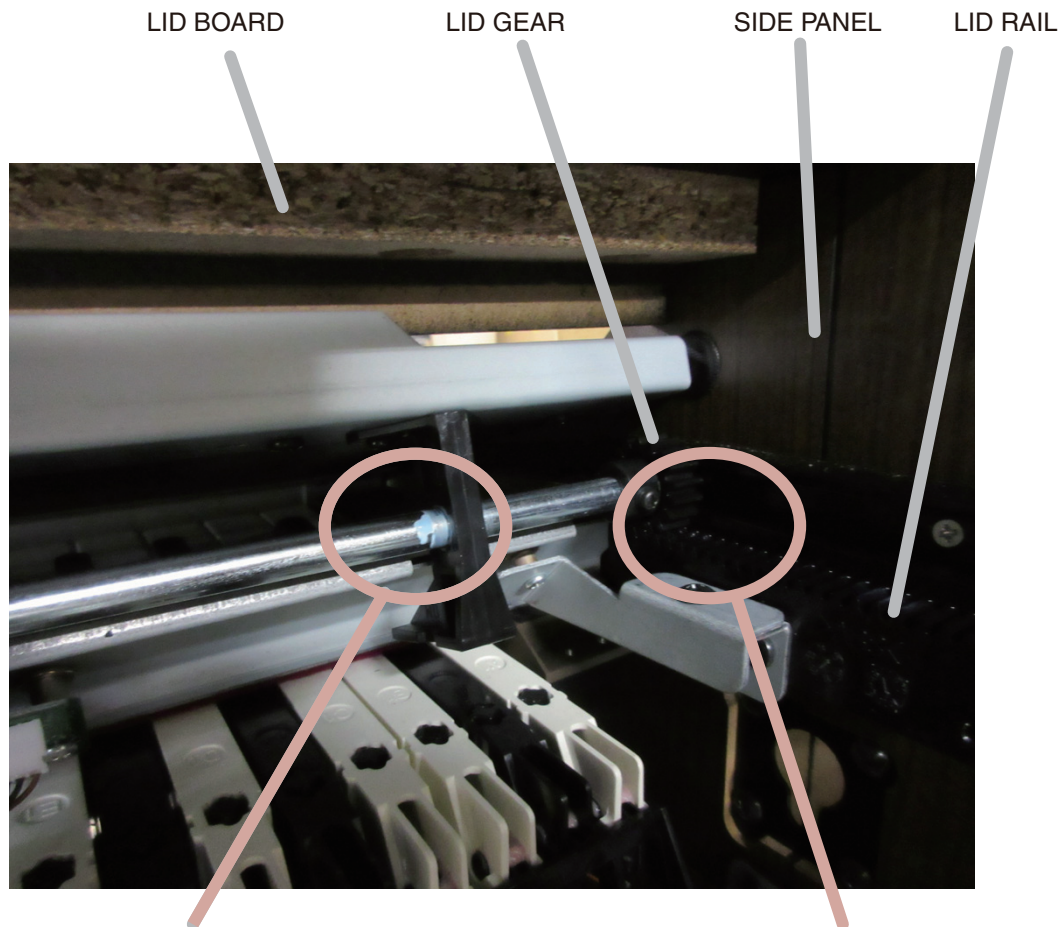


8. Remove the 6 screws securing the keyboard from above. (Plain View (Fig. A) (2), G-1 in View A4)



9. Detach the keyboard.

Greasing Point



17042113 GREASE FOR KEY
FLOIL G-424F 10 CC
Apply the grease to right and left side,
and move LID for spreading grease
equally around the LID GEAR.

17042116 GREASE FOR LID RAIL
FLOIL G-953 5CC (PINK)
The grease must be applies to the place
which is in contact with LID GEAR uniformly.

Verifying the Version

1. Press **⊙**.
2. Turn **⏴** to select **Version**, and press **⏴**.
The version information is displayed.
When **⏴** is turned here, version for **Bluetooth** is displayed, and when **⏴** is turned again, version for **Keyboard** is displayed.
3. Press **⊙**.
The screen returns to the initial screen.

Data Backup and Restore Operations

Items Required

- USB memory device

Formatting a USB Memory Device

1. Connect a USB memory device to the unit's **USB Memory** connector (on the left side of the unit's bottom panel).
2. Press **⊙**.
3. Turn **⏴** to select **Format Media**, then press **⏴**.
The **Format Media** screen appears.
4. Turn **⏴** to select **USB Memory**, then press **⏴**.
A confirmation message is displayed.
5. To execute formatting, turn **⏴** to select **Yes**, then press **⏴**.
To cancel it, turn **⏴** to select **No**, then press **⏴**.
Selecting **Yes** formats the USB memory device.
** Never turn off the power or detach the USB memory device while **Executing...** is displayed on the screen.*
6. Press **⊙**.
The screen returns to the initial screen.

Backup

All data including song data and the setting of the unit can be backed up completely by procedure described below.

** However, pairing information of Bluetooth can not be backed up. When returning the product to the customer, request him/her to pair by himself/herself again.*

1. Follow **Formatting a USB Memory Device** (p. 8) to format the USB memory device.
2. Press and hold **⏻** to turn off the power.
3. Connect the formatted USB memory device to the unit's **USB Memory** connector (on the left side of the unit's bottom panel).
4. Hold down **▶/■** and **●** and press **⏻**.
Backup All Data is displayed.
** It takes several seconds for detecting the USB memory device. **No USB Memory** is displayed until the USB memory device is detected.*
5. Press **⏴**.
A confirmation message is displayed.

6. To execute the backup operation, turn **⏴** to select **Yes**, then press **⏴**.
To cancel it, turn **⏴** to select **No**, then press **⏴**.
Selecting **Yes** starts the backup operation.
** Never turn off the power or detach the USB memory device while **Executing...** is displayed on the screen.*
When **Backup Completed. Power off, then on.** is displayed, the backup operation has finished.
7. Disconnect the USB memory device and reset the power.
** If **An error occurred during writing.** is displayed, the backup operation has failed. Replace the USB memory device and carry out the operation again. And also, in consideration of failing in the restoring, we recommend that you may copy the backup data to the computer.*

Restore

1. Press and hold **⏻** to turn off the power.
2. Connect the USB memory device containing the backup data to the unit's **USB Memory** connector (on the left side of the unit's bottom panel).
3. Hold down **▶/■** and **●** and press **⏻**.
Restore All Data is displayed.
** It takes several seconds for detecting the USB memory device. **No USB Memory** is displayed until the USB memory device is detected.*
4. Press **⏴**.
A confirmation message is displayed.
5. To execute the restore operation, turn **⏴** to select **Yes**, then press **⏴**.
To cancel it, turn **⏴** to select **No**, then press **⏴**.
Selecting **Yes** starts the restore operation.
** Never turn off the power or detach the USB memory device while **Executing...** is displayed on the screen.*
When **Restore Completed. Power off, then on.** is displayed, the restore operation has finished.
6. Disconnect the USB memory device and reset the power.
** If **An error occurred during reading.** is displayed, the restore operation has failed. Replace the USB memory device and copy the backup data from the computer, then carry out the restore operation again.*

Performing a Factory Reset

Each setting in the unit can be reset to their factory default by procedure described below. The song data saved in the internal memory is not erased.

** Performing the factory reset can erase the information of the Bluetooth device used for testing. However, the information of the Bluetooth device paired by the customer is also erased. When returning the product to the customer, request him/her to pair by himself/herself again.*

1. Press **⊙**.
2. Turn **⏴** to select **Factory Reset**, and press **⏴**.
A confirmation message is displayed.
3. Turn **⏴** to select **Yes**, and press **⏴**.
The factory reset is executed.
** Never turn off the power or detach the power cord while **Executing...** is displayed on the screen.*
4. Turn the power off, then back on.

Updating the System

Items Required

- Computer
- USB memory device
- Update file (obtained via Service Net)

Procedure

1. Follow **Formatting a USB Memory Device** (p. 8) to format the USB memory device.
2. Copy the update file (**R079_UPA.BIN**) to the root folder of the formatted USB memory device.
3. Hold down ⏻ for a while to turn off the power to the unit.
4. Connect the USB memory device just described to the unit's **USB Memory** connector (on the left side of the unit's bottom panel).
5. Hold down ⚙ and press ⏻ .
Continue to hold down it until **==update==** appears on the screen.
The time required to update is approximately 2 minutes. When the Wave update is included, it needs approximately 30 minutes.
* *Never turn off the power or detach the USB memory device while the update is in progress.*
When **= update finished. =** appears, the update has finished.
6. Disconnect the USB memory device and reset the power.

Test Mode

Items Required

- AC adaptor (PSB-7U)
- Headphones (1/4-inch phone and miniature phone)
- USB memory device
- Cables
- Audio playback device
- Mobile device capable of Bluetooth (iPhone or Android)
- Software program capable of Bluetooth MIDI (GarageBand or the like)

Entering the Test Mode

Hold down ⏻ and J= and press ⏻ .

Continue to hold down ⏻ and J= until the screen shown below appears.

```

+-----+
| 01.Version      (1/3) |
| RP701 / EXP    |
| PROG:1.00     LOAD:1.00 |
| KBD :1.01     FM3 :1.01 |
+-----+

```

Quitting the Test Mode

Press and hold ⏻ to turn off the power.

Skipping the Test Items

Holding down ⚙ and pressing ⏪ quits the current test item and returns operation to the previous test item.

Holding down ⚙ and pressing ⏩ quits the current test item and advances operation to the next test item.

Test Items

01. Version (p. 9)
02. Model Name (p. 10)
03. Destination (p. 10)
04. BLE Test (p. 10)
05. A2DP Test (p. 10)
06. Factory Reset (p. 10)
07. Encoder Test (p. 10)
08. Encoder SW Test (p. 10)
09. Volume SW/LED Test (p. 10)
10. SW/LED Test (p. 11)
11. LED Brightness Test (p. 11)
12. Sound Test (p. 11)
13. Mute Test (p. 11)
14. Pedal AD Test (p. 12)
15. USB Test (p. 12)
16. Jack Sense Test (p. 12)
17. Display Test (p. 12)
18. Device Test (p. 12)
19. Model/Dest/Version (p. 12)

Inspection Items in Normal Mode

01. IN/OUT Test (p. 13)
02. Bluetooth Test (p. 13)

01. Version

The version screen is displayed.

```

+-----+
| 01.Version      (1/3) |
| RP701 / EXP    |
| PROG:1.00     LOAD:1.00 |
| KBD :1.01     FM3 :1.01 |
+-----+

```

1. Verify the model name, destination (**DOM**, **EXP** or **CN**) and the respective version number.

The Program version (**PROG**) manages the versions of Program ROM0/ROM1 and WAVE ROM in a lump. If these versions do not match, **NG** ("not OK") is displayed.

When the result is not OK, turn ⏪ to advance to the third page and verify the contents of the error. For the items of NG ("not OK"), * is displayed next to the version.

When the result is OK, turn ⏪ to advance to the second page.

2. Verify the Bluetooth version (**BT**).

* *If the Bluetooth module or wiring connections in the unit are faulty, --- is displayed.*

```

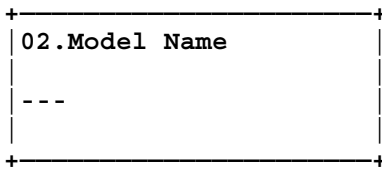
+-----+
| 01.Version      (2/3) |
| BT :1.00        |
+-----+

```

3. Press ▶/■ to advance to the next test item.

02. Model Name

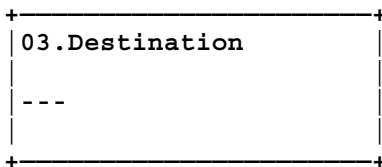
This makes the setting for the model of the unit being tested.



- Turn \downarrow to select the model.
 - * Correct model name for the unit being tested is printed on the sticker at the left side of the unit bottom face. Select the model name correctly because the Bluetooth function should be enabled or not if the model name has **-L** or not at the end of it.
 - Without **-L**: the Bluetooth function is enable.
 - With **-L**: the Bluetooth function is not enable.
 - * A sign for color variation (**DR, LA, WH** or **CB**) is not displayed.
- Press \bullet .
 - The model setting is written and execution advances to the next test item.

03. Destination

This makes the setting for the product's destination for the unit being tested.



- Press $\underline{\text{EXP}}$.
 - EXP** is displayed on the screen.
 - * If the destination for the unit being tested is China, press CH . **CN** is displayed on the screen.
- Press \bullet .
 - The destination is written and execution advances to the next test item.

04. BLE Test

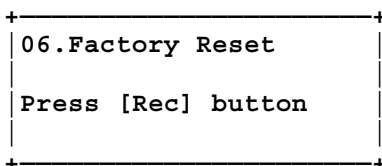
Skip this test item in servicing. ($\text{⚙} + \text{⏏}$)

05. A2DP Test

Skip this test item in servicing. ($\text{⚙} + \text{⏏}$)

06. Factory Reset

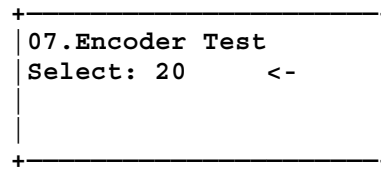
This returns the settings to their factory defaults.



Pressing \bullet executes the factory reset.
When the operation has finished, execution automatically advances to the next test item.

07. Encoder Test

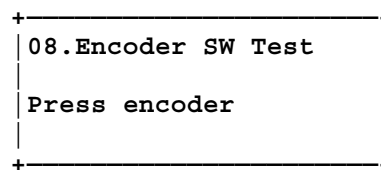
This checks the operation when turning the encoder.



- Turn the \downarrow knob counterclockwise.
 - The value on the screen decreases from **20** to **0** in sequence.
- Turn the \downarrow knob clockwise.
 - The value on the screen increases from **0** to **20** in sequence.
 - When the test has finished, execution automatically advances to the next test item.

08. Encoder SW Test

This checks the operation when pressing the encoder.

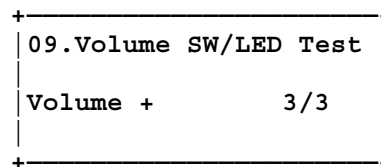


When the unit enters this test item, all LEDs light up.
Press the encoder (\downarrow).

When the test has finished, execution automatically advances to the next test item.

09. Volume SW/LED Test

This checks the operation of the volume indicator.

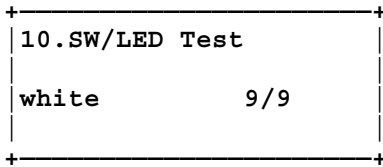


The volume indicator flashes in sequence from the top.

- Press the corresponding volume button (⏏) or (⏏) as follows.
 - * Pressing the buttons produces a piano sound.
 - When the upper three volume indicators flash: ⏏)
 - When the lower two volume indicators flash: ⏏
 - ⚙ flashes.
- Press ⚙ to advance to the next test item.

10. SW/LED Test

This checks the operation of the switch and LED.



Working in sequence, press each button whose LED flashes.
The number of remaining switches is displayed on the screen.

* Pressing the buttons produces a piano sound.

Flashing buttons and their color are as follow.

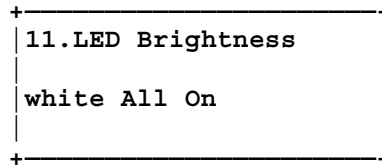
Flashing in white: , , , , , , , , ,

Flashing in red: ,

Press to advance to the next test item.

11. LED Brightness Test

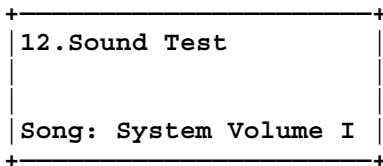
This checks the variation of the brightness of the LEDs.



1. Press .
The white LEDs all light up and flashes.
2. Press .
 and light up red.
3. Press to advance to the next test item.

12. Sound Test

This checks the speaker output.



* Because the volume is set automatically in this test item, the output sound cannot be adjusted.

1. Each time is pressed, verify that the screen display is switched and the corresponding sound is produced from the corresponding output destination. As necessary, connect the headphones to the **Phones** jack (1/4-inch phone/miniature phone).

Screen Display	Tone	SPL	SPR	PH1L	PH1R	PH2L	PH2R
Direct	The piano sound with no effect	?	?	?	?	?	?
Reverb	The piano sound with reverb	?	?	?	?	?	?
DAC A L	Sine wave	?	-	?	-	?	-
DAC A R	Sine wave	-	?	-	?	-	?

? The sound is triggered, -: No sound is triggered.

SPL/SPR: Full Range Speaker L ch/R ch

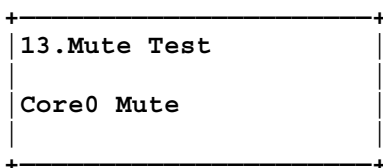
PH1L/PH1R: Phones (1/4-inch phone) L ch/R ch

PH2L/PH2R: Phones (miniature phone) L ch/R ch

2. Press to advance to the next test item.

13. Mute Test

This checks the operation of muting.



1. Play the key and verify that sound is produced.
2. Press the flashing buttons in sequence shown in the table below and verify that the screen display is switched and the sine wave is not produced. When releasing the button, flashing changes to lighting.

Button Name	Screen Display	SPL	SPR	PH1L	PH1R	PH2L	PH2R
	Core0 Mute	-	-	-	-	-	-
	Core1 Mute	-	-	-	-	-	-
	Amp Mute	-	-	Sine wave	Sine wave	Sine wave	Sine wave

-: No sound is triggered.

SPL/SPR: Full Range Speaker L ch/R ch

PH1L/PH1R: Phones (1/4-inch phone) L ch/R ch

PH2L/PH2R: Phones (miniature phone) L ch/R ch

3. Press to advance to the next test item.

14. Pedal AD Test

This checks the operation of each pedal.

```

+-----+
| 13.Pedal AD Test |
| SOFT: _ SOST: _ DAMP: _ |
|                   |
|                   |
+-----+

```

For each pedal, depress it slowly, then when it is fully depressed, slowly release it.

Depending on how much the pedal is depressed, the value changes from **0** (not depressed) to **127** (fully depressed) and **F** appears on the screen.

When testing for all pedals has finished, execution automatically advances to the next test item.

15. USB Test

This checks the operation of the USB connectors (Memory/Computer).

```

+-----+
| 15.USB Test |
|             |
| USB Memory: _ |
| USB MIDI  : _ |
+-----+

```

1. Connect the USB memory device to the **USB Memory** connector.
 - o appears on the screen.
- * *o does not appear if the USB memory device does not support high speed.*
2. Using the USB cable, connect the **USB Computer** connector to the **USB Memory** connector.
 - o appears on the screen and execution automatically advances to the next test item.

When the execution advances to the next test item, disconnect the USB memory device and the USB cable.

16. Jack Sense Test

This checks the switch operation of each jack.

```

+-----+
| 16.Jack Sense Test |
|                   |
| Phones:  _ |
| Input:   _ |
+-----+

```

1. Connect the headphones plug to the **Phones** jack (stereo 1/4-inch phone).
 - o appears on the screen.
2. Disconnect the plug.
 - appears on the screen.
3. In the same way, check the tests for the **Phones** jack (stereo miniature phone) and the **Input** jack (stereo miniature phone).
4. Press ►/■ to advance to the next test item.






17. Display Test

This checks the display on the screen.

```

+-----+
| 17.Display Test |
|                 |
+-----+

```

1. Press , then the entire screen becomes black. Verify that all dots are displayed in black.
2. Press , then the entire screen becomes white. Verify that all dots are displayed in white.
3. Press , then the contrast is minimized. At this time, see the screen from right above and verify that the vertical stripes appear at the lower half of the screen.
4. Press , then the contrast is maximized. At this time, see the screen from right above and verify that the vertical stripes appear at the lower half of the screen.
5. Press , then only the outer frame of the screen lights up. At this time, verify that the outer frame of the screen does not hide under the display cover.
6. Press ►/■ to advance to the next test item.

18. Device Test

Entering this test item automatically starts testing of each device.

```

+-----+
| 18.Device Test (1/3) |
|                       |
| Core0 Prog |
| Checking... |
+-----+

```

The tests for Wave ROM and ERAM start when the unit enters **15. USB Test** (p. 12) and they are executed in the background.

When --OK-- is displayed, press ►/■ to advance to the next test item.

19. Model/Dest/Version

This checks the model name, destination and version.

```

+-----+
| 19.Model/Dest/Version |
| RP701 / EXP |
| Program Ver:1.02 |
+-----+

```

1. Verify the model name, destination (**DOM**, **EXP** or **CN**) and version.
2. Press ►/■. The screen shown below appears.


```

+-----+
|           End           |
| Turn off power. |
+-----+

```

3. Press and hold  to turn off the power.

This completes the testing in the Test Mode.

The following tests are performed in the normal mode. Press  to turn on the power.

01. IN/OUT Test

This checks the operation of the **Input** jack.


1. Input the audio signal to the **Input** jack (on the left side of the unit's bottom panel).
2. Verify that sound is produced from the speakers.

02. Bluetooth Test



This checks the Bluetooth function.

* For explanation in this section, we will choose iPhone as an example of the mobile device with Bluetooth function.


Verifying the Bluetooth Audio Function

1. Place an iPhone near the RP701.
2. On the iPhone, enter **Settings** and set **Bluetooth** off.
3. Press and hold  .
When **Pairing...** is displayed, release your finger.
4. On the iPhone, enter **Settings** and set **Bluetooth** on.
5. Tap **RP701 Audio** displayed on the Bluetooth screen of the iPhone.
When pairing succeeds, **Connected** is displayed on the right of **RP701 Audio** and **Completed** is displayed on the RP701's screen and **AUDIO** is displayed next to the Bluetooth mark.
6. Play back any music with **Music** or the like on the iPhone.
7. Verify that sound is produced from the speakers on the RP701.

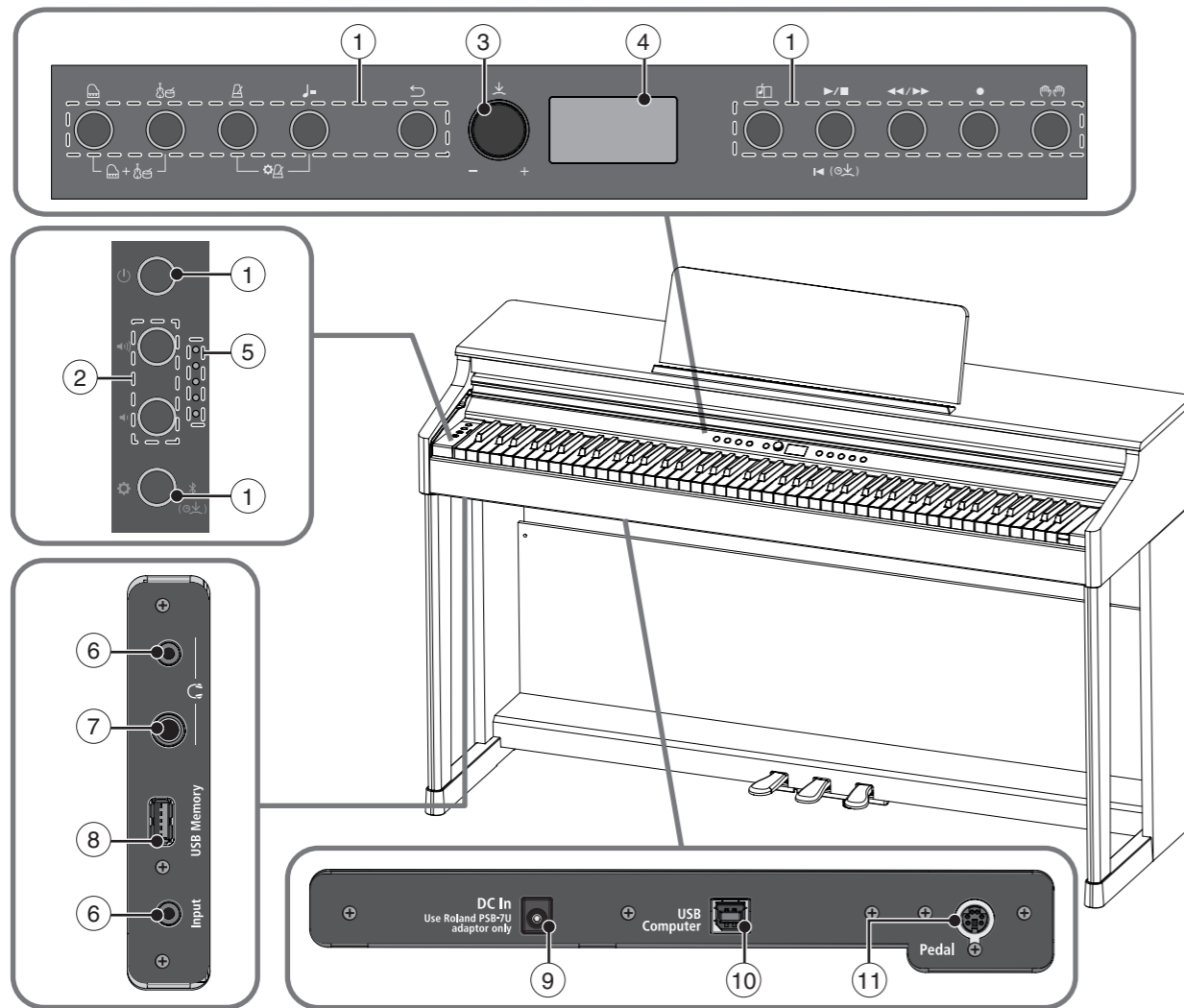
Verifying the Bluetooth MIDI Function

1. Place an iPhone near the RP701.
2. On the iPhone, enter **Settings** and set **Bluetooth** on.
* Pairing operation should be carried out not on the Bluetooth screen but in GarageBand. Advance to the next step as it is.
3. Start GarageBand on the iPhone.
4. Tap  (or ) at the upper right of the GarageBand screen, then tap **Song Settings**.
* Depending on the difference of version of iOS or GarageBand, some functions or location of command might be different.
5. Tap **Advanced** and **Bluetooth MIDI Devices**.
6. Tap **RP701 MIDI**, and when you are requested to pair, tap **Pair**.
When pairing succeeds, **Connected** is displayed on the right of **RP701 MIDI** on the RP701's screen and **MIDI** is displayed next to the Bluetooth mark.

Canceling the Registration of the Bluetooth Device and Factory Reset

1. On the iPhone, enter **Settings** and tap **Bluetooth**, then tap  at the right of **RP701 Audio** to cancel the registration of this device.
2. Cancel the registration of **RP701 MIDI** in the same way as step 1.
3. Follow the procedure in **Performing a Factory Reset** (p. 8) to execute a factory reset.
* Executing the factory reset can erase the information of the Bluetooth device used for testing. However, the information of the Bluetooth device paired by the customer is also erased. When returning the product to the customer, request him/her to pair by himself/herself again.

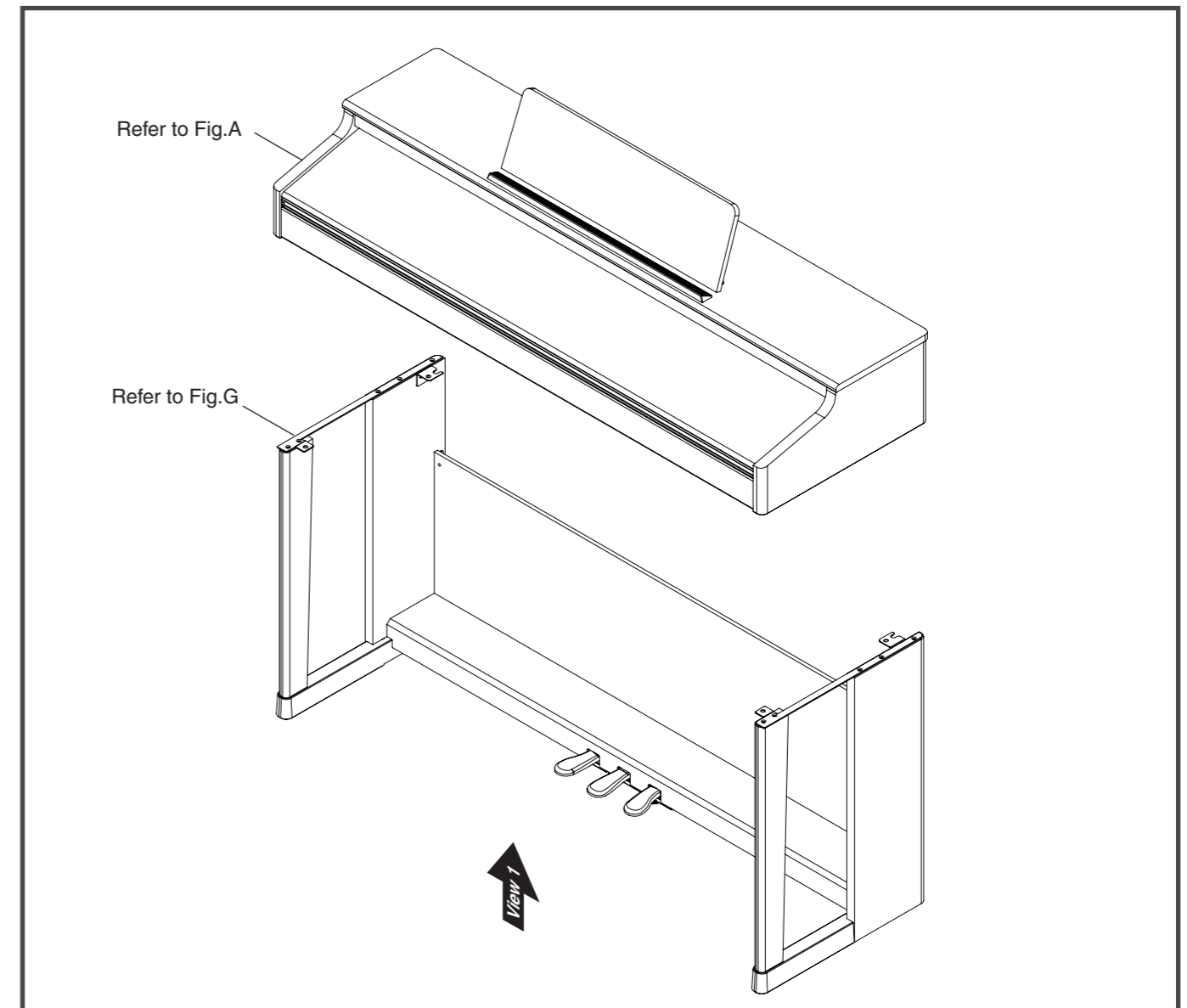
Location of Controls



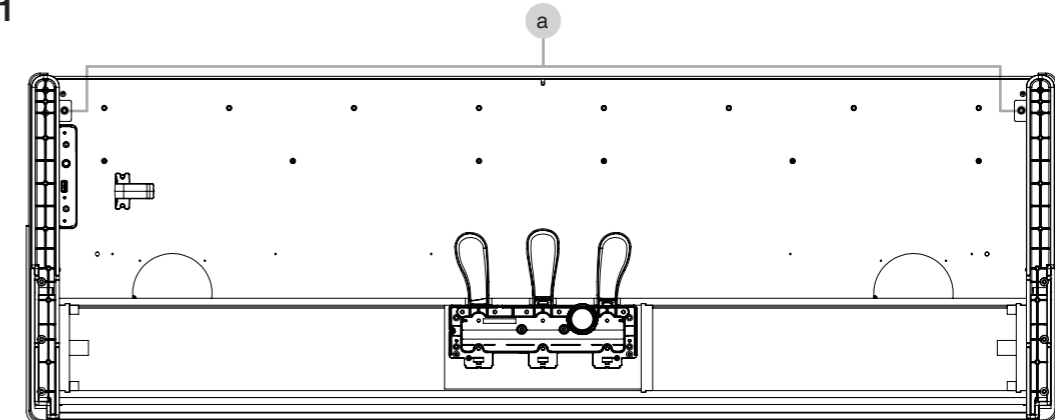
Location of Controls Parts List

No.	Part Code	Part Name	Description	Q'ty
1	5100071404	ESCUTCHEON COVER		12
	5100071403	KEYTOP ESCUTCHEON A		12
	5100071401	KEYTOP	for DR, CB	12
	5100072052	KEYTOP	for LA	12
	5100071455	KEYTOP	for WH	12
	5100062365	SPRING		12
	02781634	TACT SWITCH	SKRGAED010	12
2	5100071430	KEYTOP ESCUTCHEON B		1
	5100071401	KEYTOP	for DR, CB	2
	5100072052	KEYTOP	for LA	2
	5100071455	KEYTOP	for WH	2
	5100062365	SPRING		2
	02781634	TACT SWITCH	SKRGAED010	2
3	5100062319	R-KNOB	for DR, CB	1
	5100072046	R-KNOB	for LA	1
	5100062320	R-KNOB	for WH	1
	5100071062	ENCODER	DC12G2421405	1
4	5100071433	DISPLAY COVER		1
	5100071031	OLED	90L9930814000	1
5	5100071432	LED INDICATER		1
	5100074207	INDICATOR CUSHION		1
6	04452945	3.5MM JACK	YKB21-5344N	2
7	5100071299	6.5MM JACK	YKB21-5006W	1
8	04459190	USB CONNECTOR A TYPE FEMALE	YKF45-0033N	1
9	5100068814	DC JACK	DC-021H-1-G	1
10	02781189	USB CONNECTOR B TYPE FEMALE	YKF45-0021N	1
11	5100061609	MINI DIN CONNECTOR	YKF51-5448N	1

Exploded View (All)



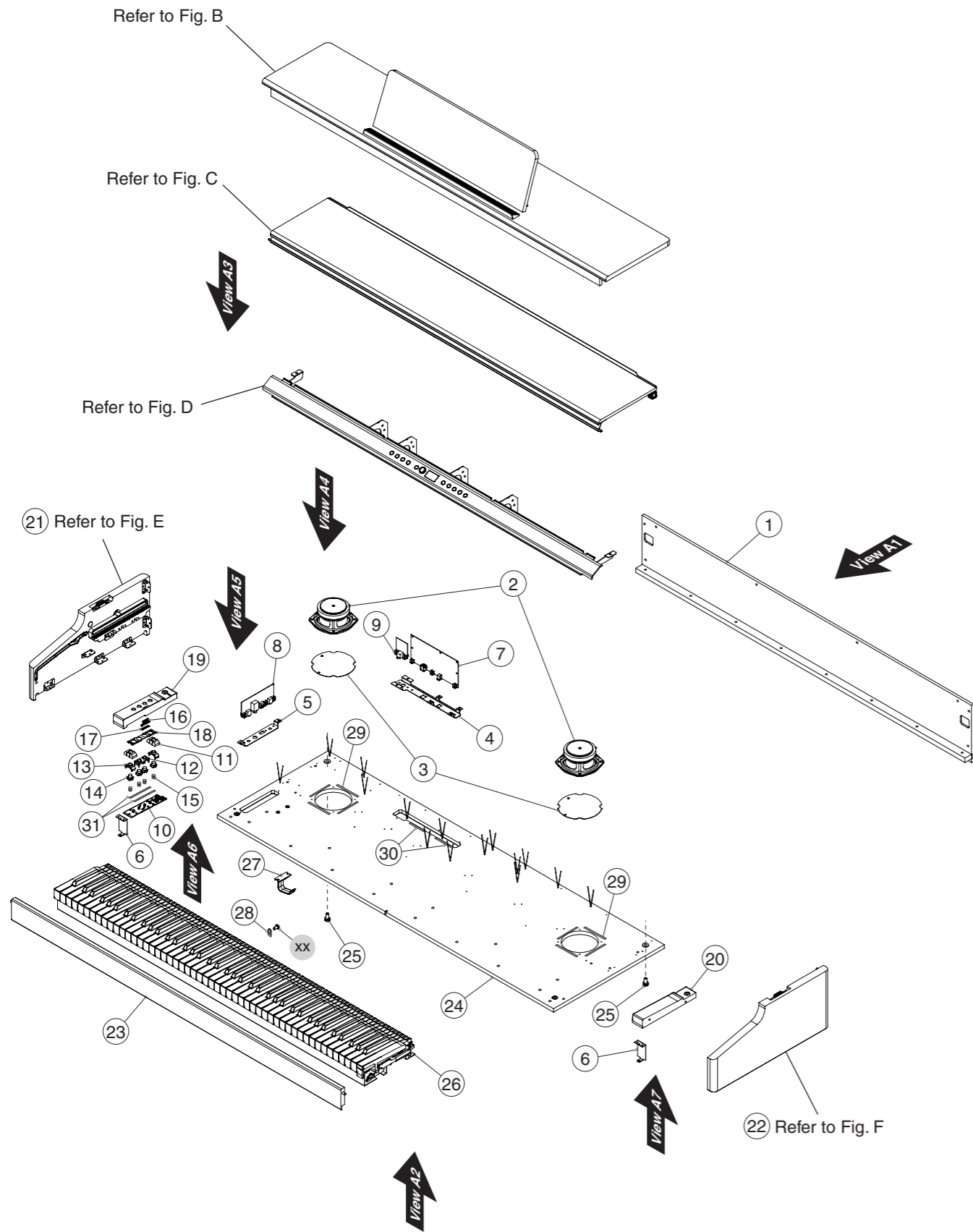
View 1



View 1

No.	Part Code	Part Name	Description	Q'ty
a	40679101	SCREW M5X20	TRUSS MACHINE FE BZC for DR, CB, LA	2
	5100072524	SCREW M5X20	TRUSS MACHINE ZC for WH	2

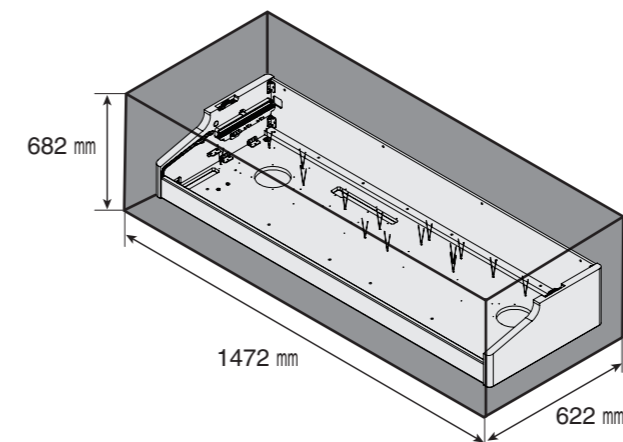
Exploded View (Fig. A)



Exploded View (Fig. A) Parts List

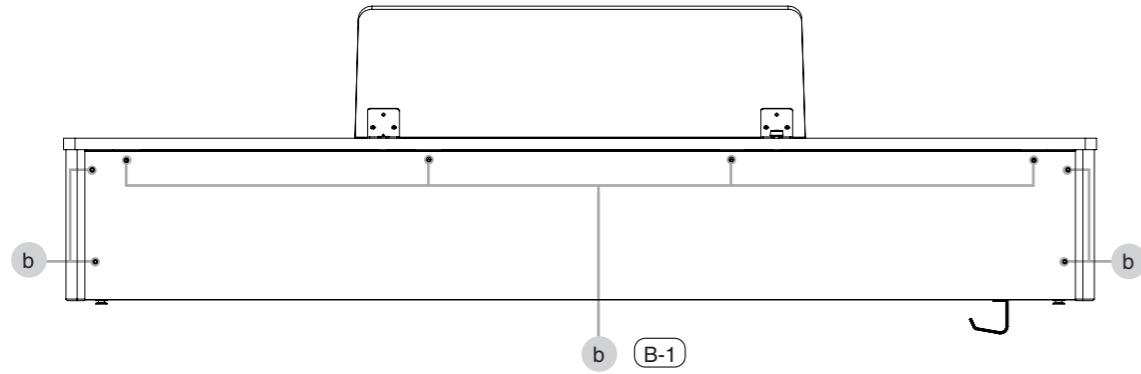
No.	Part Code	Part Name	Description	Q'ty
	5100075186	CABINET ASSY	for DR	1
	5100075187	CABINET ASSY	for LA	1
	5100075188	CABINET ASSY	for WH	1
	5100075189	CABINET ASSY	for CB	1
* These units include the following parts.				
1	5100071355	REAR PANEL	for DR, CB	1
	5100071357	REAR PANEL	for LA	1
	5100071356	REAR PANEL	for WH	1
21	*****	SIDE PANEL L	Refer to Exploded View (Fig. E) (P.17).	1
22	*****	SIDE PANEL R	Refer to Exploded View (Fig. F) (P.18).	1
23	*****	LOWER BLIND		1
24	*****	BOTTOM BOARD		1
25	5100052164	CONNECTING PIN		2
2	5100047143	SPEAKER	F1204-E34C	2
3	5100052189	SPEAKER COVER		2
4	5100071395	REAR JACK HOLDER		1
5	5100071394	JACK HOLDER		1
6	5100071391	END BLOCK HOLDER		2
7	5100068927	MAIN BOARD ASSY		1
	5100070534	JACK SHEET ASSY		1
* This unit includes the following parts.				
8	*****	JACK BOARD		1
9	*****	PEDAL BOARD		1
10	*****	PW-SW BOARD		1
11	5100071404	ESCUTCHEON COVER		2
12	5100071430	KEYTOP ESCUTCHEON B		1
13	5100071403	KEYTOP ESCUTCHEON A		2
14	5100071401	KEYTOP	for DR, CB	4
	5100072052	KEYTOP	for LA	4
	5100071455	KEYTOP	for WH	4
15	5100062365	SPRING		4
16	5100071432	LED INDICATER		1
17	5100074207	INDICATOR CUSHION		1
18	5100072548	ADHESIVE SHEET A		1
19	5100071400	END BLOCK L	for DR, CB	1
	5100072050	END BLOCK L	for LA	1
	5100071453	END BLOCK L	for WH	1
20	5100071452	END BLOCK R	for DR, CB	1
	5100072051	END BLOCK R	for LA	1
	5100071454	END BLOCK R	for WH	1
26	5100054674	KEYBOARD ASSY	PX-7C SV SERVICE ASSY	1
27	5100046646	PHONES HOOK		1
28	40016545	LOCKING TOOL FOR INSULOK TIE	SKM-1	1
29	40122612	ACETATE TAPE	NITTO #5 BLACK W10MM 30M	-
30	40122789	ACETATE TAPE	NITTO #156A W15MM 30M	-
31	5100021076	DOUBLE SIDED ADHESIVE TAPE	NITTO #5000NS W5MM	-
xx	40011056	SCREW 3X6	BINDING TAPTITE B ZC	1

* The Cabinet Assy (#5100075186, #5100075187, #5100075188, #5100075189) is supplied packed as shown in the figure below. Note that No.21, 22 23 and 24 are attached by adhesive, and are not available as individual parts. No.1 is available as a single item.

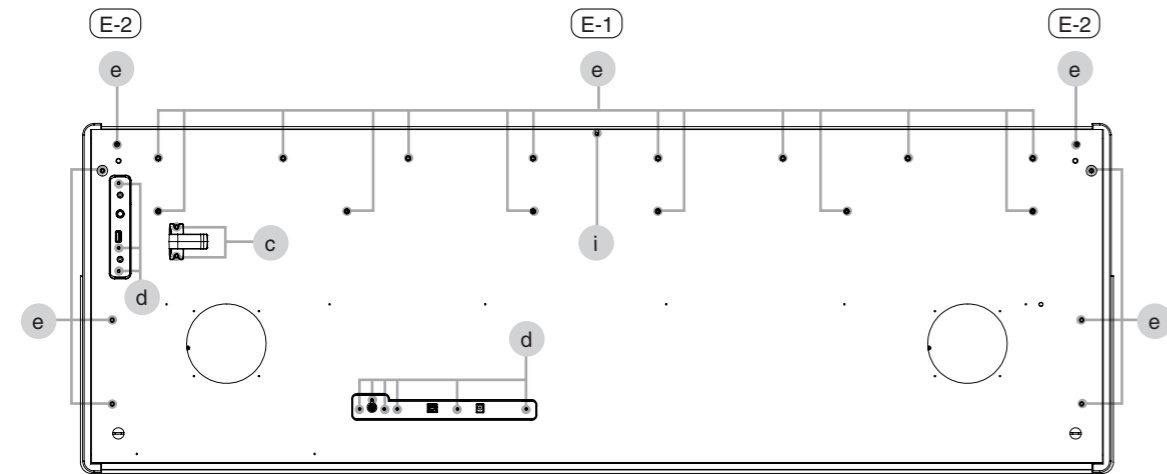


Plain View (Fig. A) (1)

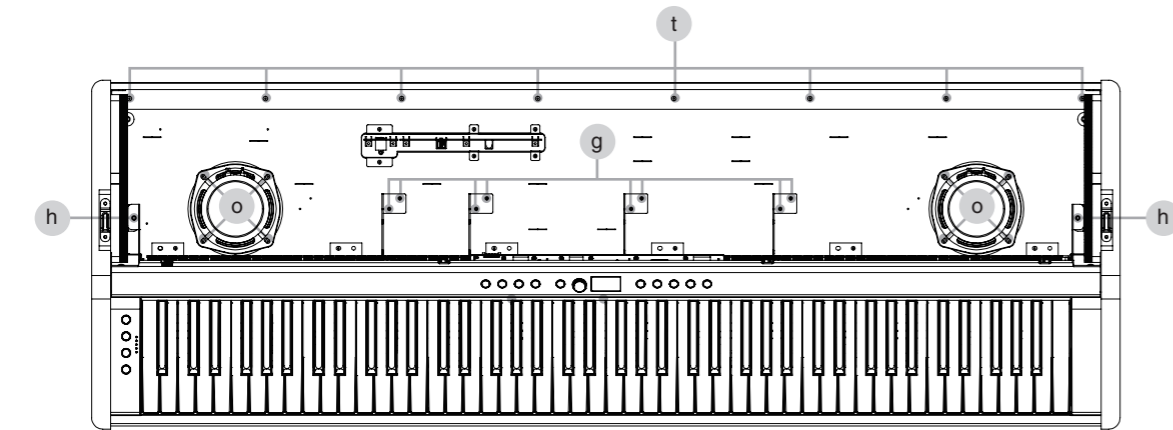
View A1



View A2



View A3



Plain View (Fig. A) (1) Parts List

View A1

No.	Part Code	Part Name	Description	Q'ty
b	40127267	SCREW 4X14	TRUSS TAPTITE S FE BZC for DR, CB, LA	8
	5100035575	SCREW 4X14	TRUSS TAPTITE S ZC for WH	8

View A2

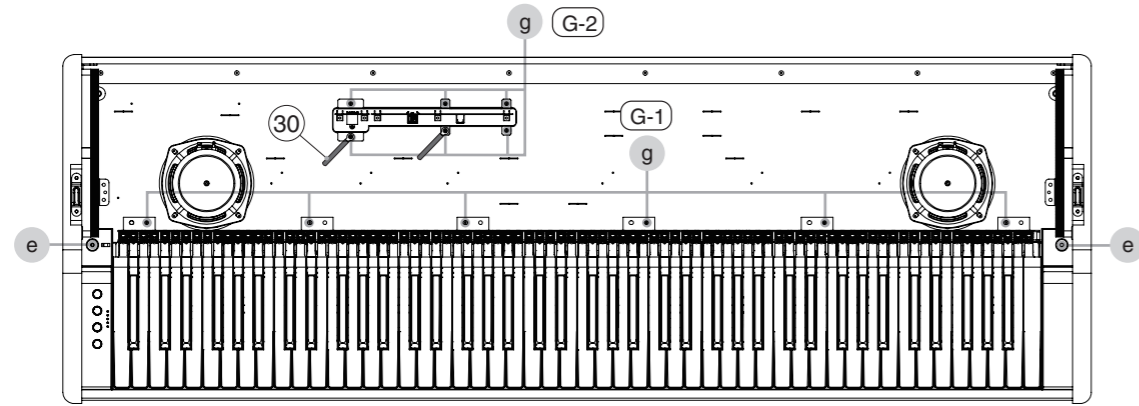
No.	Part Code	Part Name	Description	Q'ty
c	40126267	SCREW M4X16	PAN MACHINE W/SW+PW FE BZC	2
d	40237101	SCREW M3X8	PAN MACHINE W/SW+SMALL PW BZC	9
e	40564767	SCREW 4X20	VWH TAPTITE B W12.5 BZC	22
i	40010678	SCREW 4X20	TRUSS TAPPING A FE BZC	1

View A3

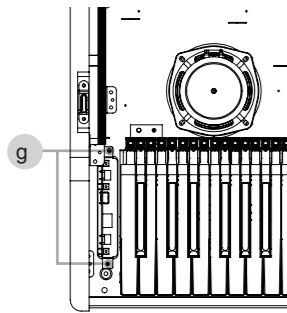
No.	Part Code	Part Name	Description	Q'ty
g	40127545	SCREW 4X10	TRUSS TAPPING A FE BZC	8
h	40127267	SCREW 4X14	TRUSS TAPTITE S FE BZC	2
o	40010667	SCREW 4X16	TRUSS TAPPING A FE BZC	8
t	40010689	SCREW 4X25	TRUSS TAPPING A FE BZC	8

Plain View (Fig. A) (2)

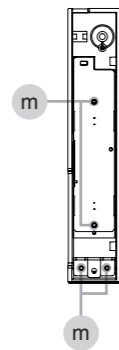
View A4



View A5



View A6



View A7



Plain View (Fig. A) (2) Parts List

View A4

No.	Part Code	Part Name	Description	Qty
e	40564767	SCREW 4X20	VWH TAPTITE B W12.5 BZC	2
g	40127545	SCREW 4X10	TRUSS TAPPING A FE BZC	12
30	40017378	COATING CLIP	CS-7	2

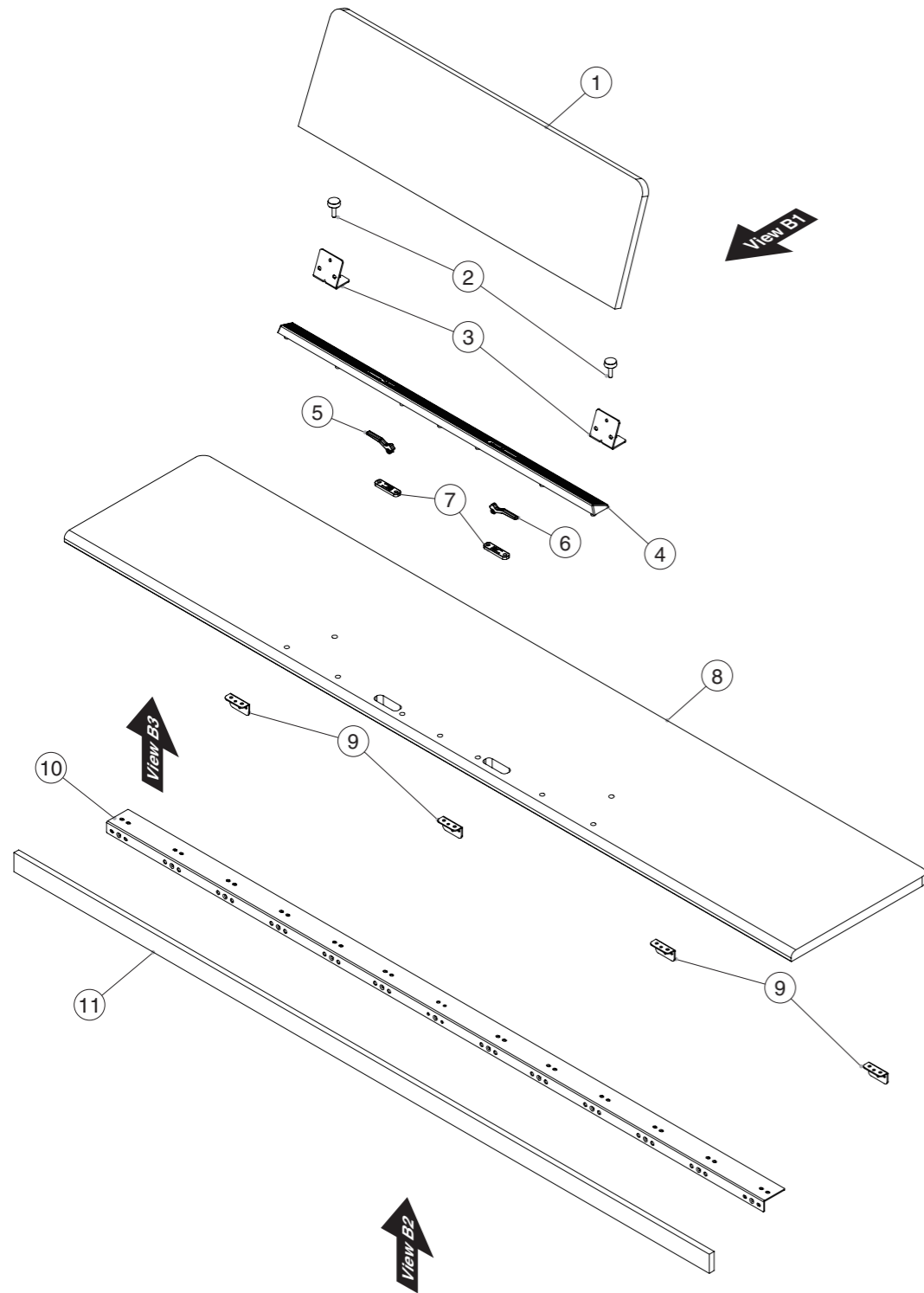
View A5

No.	Part Code	Part Name	Description	Qty
g	40127545	SCREW 4X10	TRUSS TAPPING A FE BZC	2

View A6, A7

No.	Part Code	Part Name	Description	Qty
m	40011312	SCREW 3X8	BINDING TAPTITE P FE BZC	6

Exploded View (Fig. B)

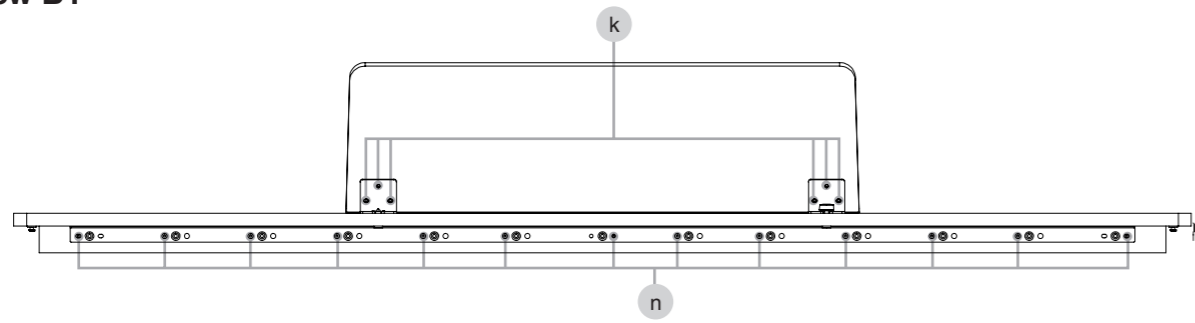


Exploded View (Fig. B) Parts List

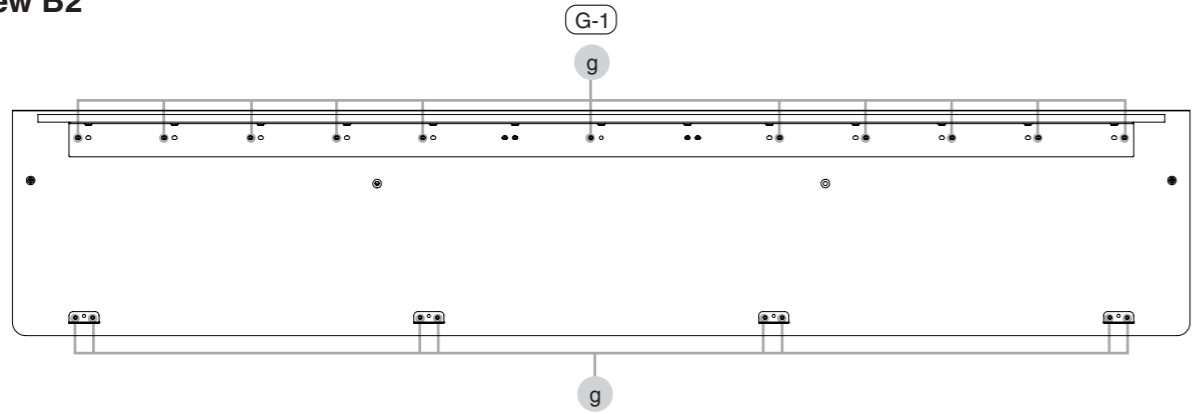
No.	Part Code	Part Name	Description	Q'ty
1	5100072494	MUSIC REST	for DR	1
	5100072495	MUSIC REST	for LA	1
	5100072496	MUSIC REST	for WH	1
	5100071354	MUSIC REST	for CB	1
2	5100072551	SCREW M5X19	NYRON N-3 BLACK	2
	5100072526	SCREW M5X19	NYRON N-3 WHITE	2
	5100052169	MR ANGLE	for DR, CB, LA	2
3	5100072515	MR ANGLE	for WH	2
	5100072121	MUSIC STOPPER	for DR	1
	5100072122	MUSIC STOPPER	for LA	1
	5100028810	MUSIC STOPPER	for WH	1
4	5100008068	MUSIC STOPPER	for CB	1
	5100072128	STOP PIN L	for DR	1
	5100072130	STOP PIN L	for LA	1
	5100028811	STOP PIN L	for WH	1
5	5100008070	STOP PIN L	for CB	1
	5100072129	STOP PIN R	for DR	1
	5100072131	STOP PIN R	for LA	1
	5100028812	STOP PIN R	for WH	1
6	5100010675	STOP PIN R	for CB	1
	5100008069	STOPPER BASE		2
	5100071351	TOP BOARD	for DR	1
	5100071353	TOP BOARD	for LA	1
7	5100071352	TOP BOARD	for WH	1
	5100071350	TOP BOARD	for CB	1
	5100051973	ANGLE		4
8	5100056502	UPPER BLIND ANGLE		1
9	5100071347	UPPER BLIND	for DR	1
	5100071349	UPPER BLIND	for LA	1
	5100071348	UPPER BLIND	for WH	1
	5100071346	UPPER BLIND	for CB	1

Plain View (Fig. B)

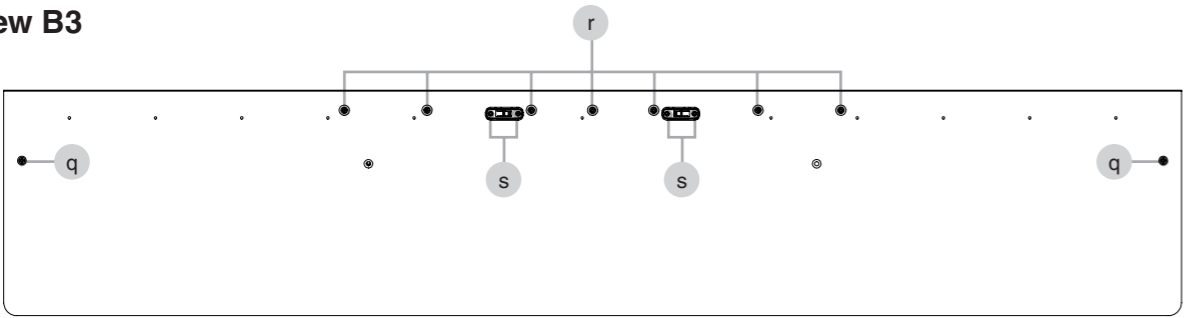
View B1



View B2



View B3



Plain View (Fig. B) Parts List

View B1

No.	Part Code	Part Name	Description	Q'ty
n	40010645	SCREW 4X8	TRUSS TAPPING A FE BZC	13
k	40127545	SCREW 4X10	TRUSS TAPPING A FE BZC for DR, LA, CB	6
	40012089	SCREW 4X10	TRUSS TAPPING A ZC for WH	6

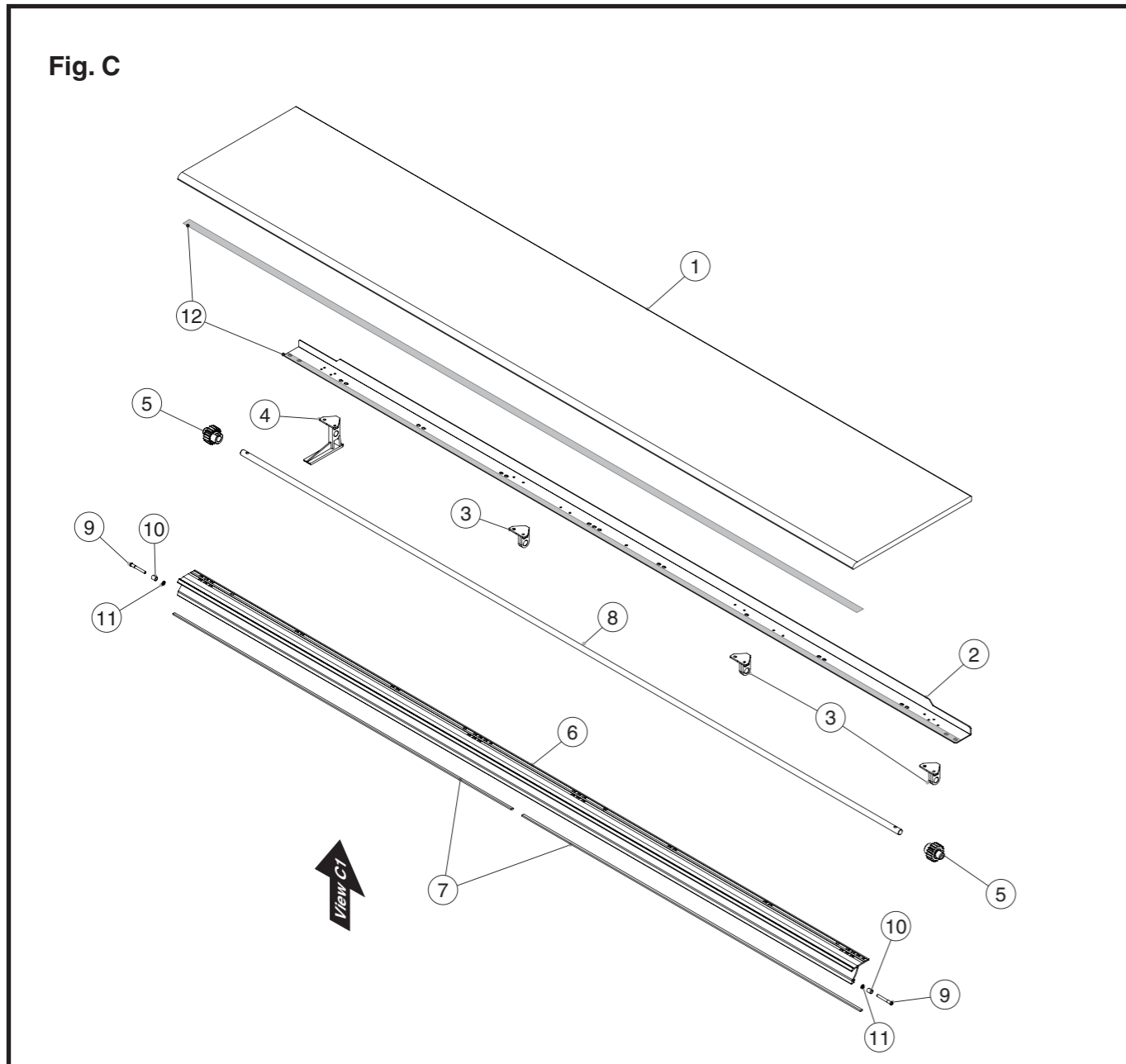
View B2

No.	Part Code	Part Name	Description	Q'ty
g	40127545	SCREW 4X10	TRUSS TAPPING A FE BZC	19

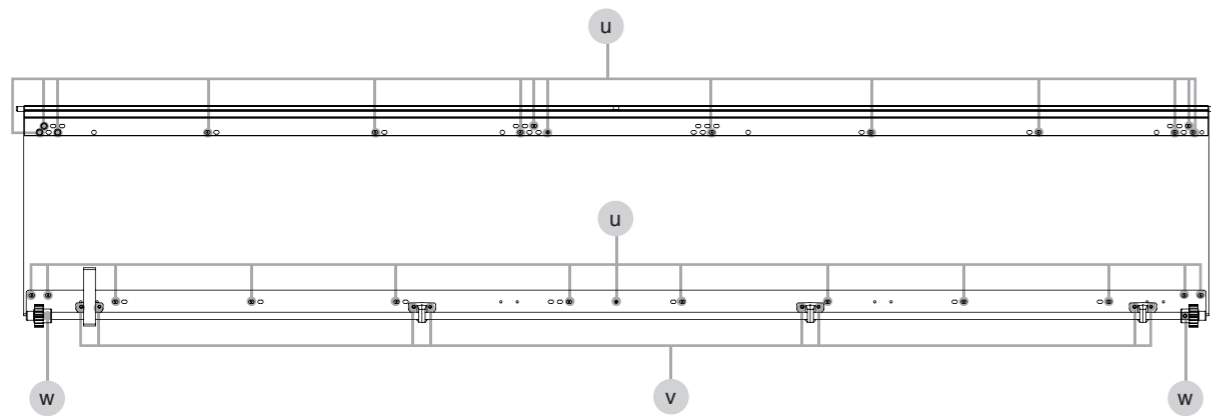
View B3

No.	Part Code	Part Name	Description	Q'ty
q	5100068812	SHOULDER SCREW		2
r	5100072018	SCREW 3X8	PAN TAPTITE P WH BZC	7
s	40011301	SCREW 3X6	BINDING TAPTITE P FE BZC	4

Exploded View (Fig. C)



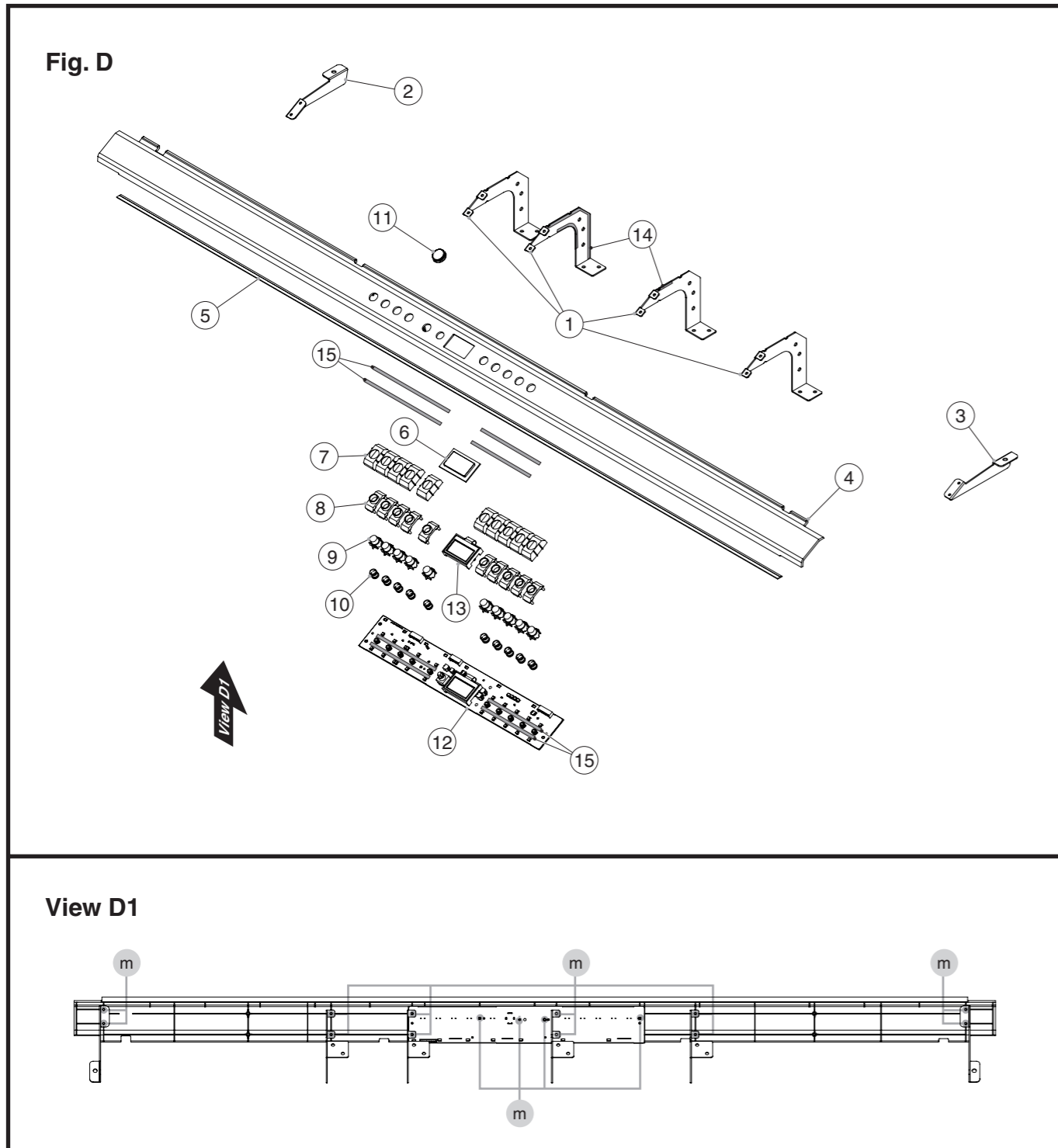
View C1



Exploded View (Fig. C) Parts List

No.	Part Code	Part Name	Description	Q'ty
1	5100071343	LID BOARD	for DR	1
	5100071345	LID BOARD	for LA	1
	5100071344	LID BOARD	for WH	1
	5100071342	LID BOARD	for CB	1
	5100055963	LID ANGLE		1
3	5100052172	LID SHAFT STAY BUSH		3
4	5100065140	SW STAY		1
5	5100051975	LID GEAR		2
6	5100071584	LID BLIND	for DR	1
	5100071583	LID BLIND	for LA	1
	5100071582	LID BLIND	for WH	1
	5100071581	LID BLIND	for CB	1
	5100047126	LID BLIND CUSHION		2
8	5100052170	LID SHAFT		1
9	5100047120	GUIDE PIN		2
10	5100046655	LID GUIDE BUSH		2
11	5100072241	PLAIN WASHER	3X6X1 SUS	2
12	40122612	ACETATE TAPE	NITTO #5 BLACK W10MM 30M	-
u	40239401	SCREW 3.5X8	BINDING TAPPING A BZC	27
v	40011101	SCREW 3X8	BINDING TAPTITE B BZC	8
w	5100058341	SCREW M3X10	PAN MACHINE W/SW+PW BZC W/GLUE	2

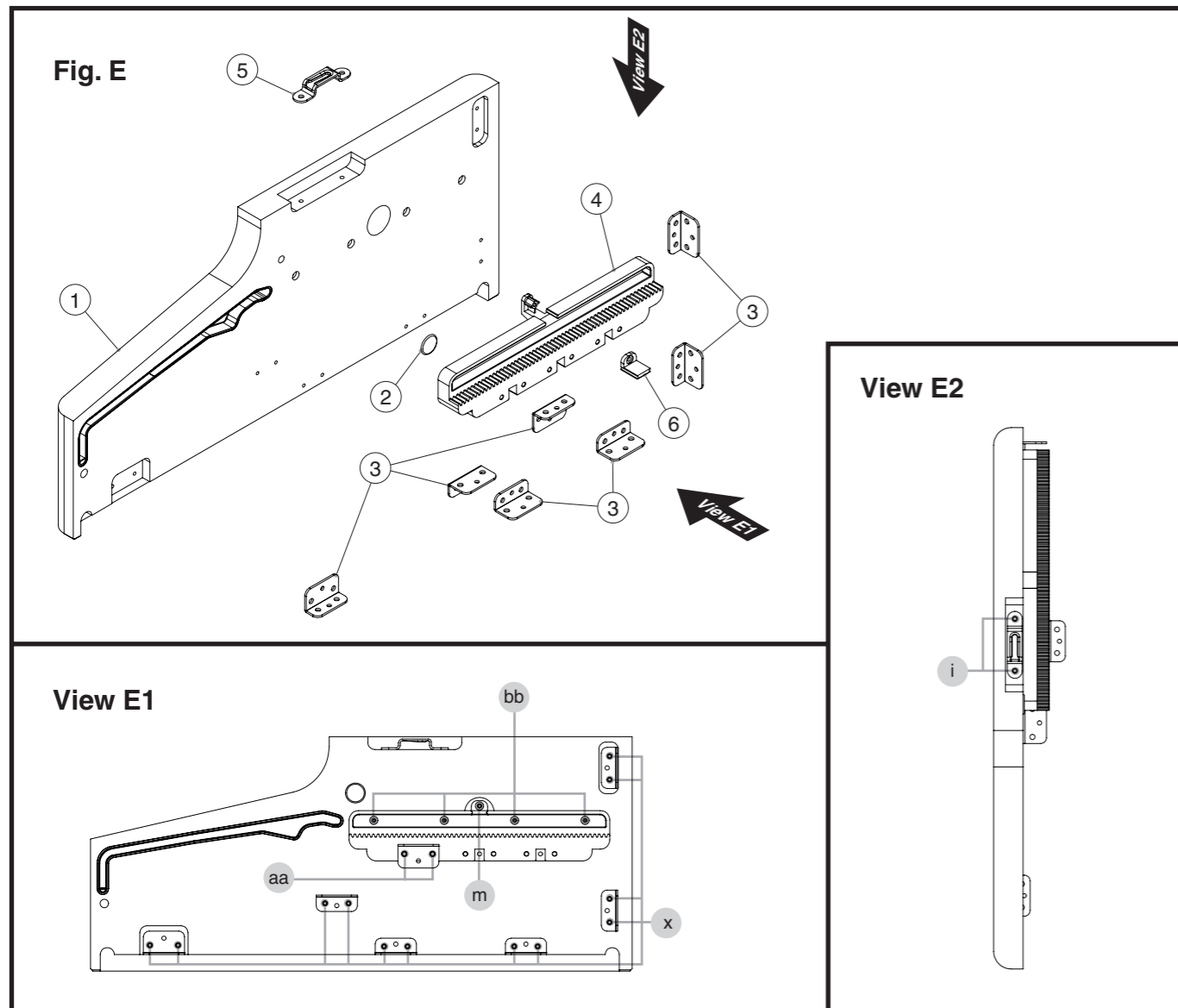
Exploded View (Fig. D)



Exploded View (Fig. D) Parts List

No.	Part Code	Part Name	Description	Q'ty
1	5100071389	CENTER HOLDER		4
2	5100062613	SIDE ANGLE L		1
3	5100062614	SIDE ANGLE R		1
4	5100071397	FRONT PANEL	for DR, CB	1
	5100072124	FRONT PANEL	for LA	1
	5100071439	FRONT PANEL	for WH	1
5	03012323	KEY FELT		1
6	5100071433	DISPLAY COVER		1
7	5100071404	ESCUTCHEON COVER		10
8	5100071403	KEYTOP ESCUTCHEON A		10
9	5100071401	KEYTOP	for DR, CB	10
	5100072052	KEYTOP	for LA	10
	5100071455	KEYTOP	for WH	10
10	5100062365	SPRING		10
11	5100062319	R-KNOB	for DR, CB	1
	5100072046	R-KNOB	for LA	1
	5100062320	R-KNOB	for WH	1
12	5100070525	PANEL SHEET ASSY		1
13	5100071031	OLED	9OL9930814000	1
14	40122789	ACETATE TAPE	NITTO #156A W15MM 30M	-
15	5100021076	DOUBLE SIDED ADHESIVE TAPE	NITTO #5000NS W5MM	-
m	40011312	SCREW 3X8	BINDING TAPTITE P FE BZC	16

Exploded View (Fig. E)



Exploded View (Fig. E) Parts List

No.	Part Code	Part Name	Description	Q'ty
1	*****	SIDE PANEL L		1
2	40455345	FREE CAP 8 BLK		1
3	5100051973	ANGLE		7
4	5100062604	LID RAIL		1
5	5100055890	BRACKET		1
6	5100051974	LID RAIL STOPPER		1

* No. 1 through 5 are included in the Cabinet Assy (#5100075186, #5100075187, #5100075188, #5100075189), but 6 is not included.

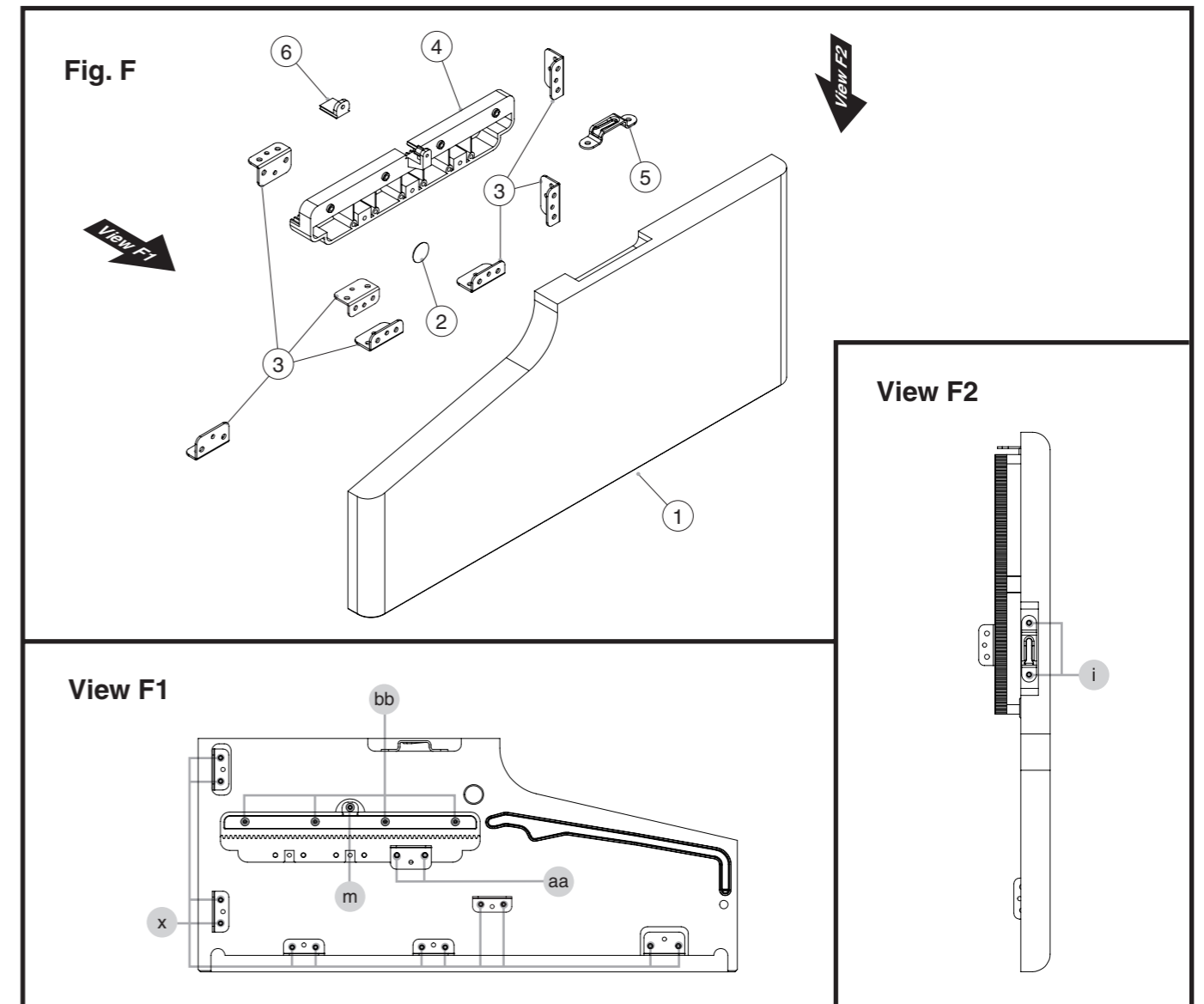
View E1

No.	Part Code	Part Name	Description	Q'ty
m	40011312	SCREW 3X8	BINDING TAPTITE P FE BZC	1
x	40012145	SCREW 4X14	TRUSS TAPPING A FE BZC	12
aa	40238501	SCREW 4X8	BINDING TAPTITE P FE BZC	2
bb	40563023	SCREW 3X16	FLAT TAPPING A ZC	4

View E2

No.	Part Code	Part Name	Description	Q'ty
i	40010678	SCREW 4X20	TRUSS TAPPING A FE BZC	2

Exploded View (Fig. F)



Exploded View (Fig. F) Parts List

No.	Part Code	Part Name	Description	Q'ty
1	*****	SIDE PANEL R		1
2	40455345	FREE CAP 8 BLK		1
3	5100051973	ANGLE		7
4	5100062604	LID RAIL		1
5	5100055890	BRACKET		1
6	5100051974	LID RAIL STOPPER		1

* No. 1 through 5 are included in the Cabinet Assy (#5100075186, #5100075187, #5100075188, #5100075189), but 6 is not included.

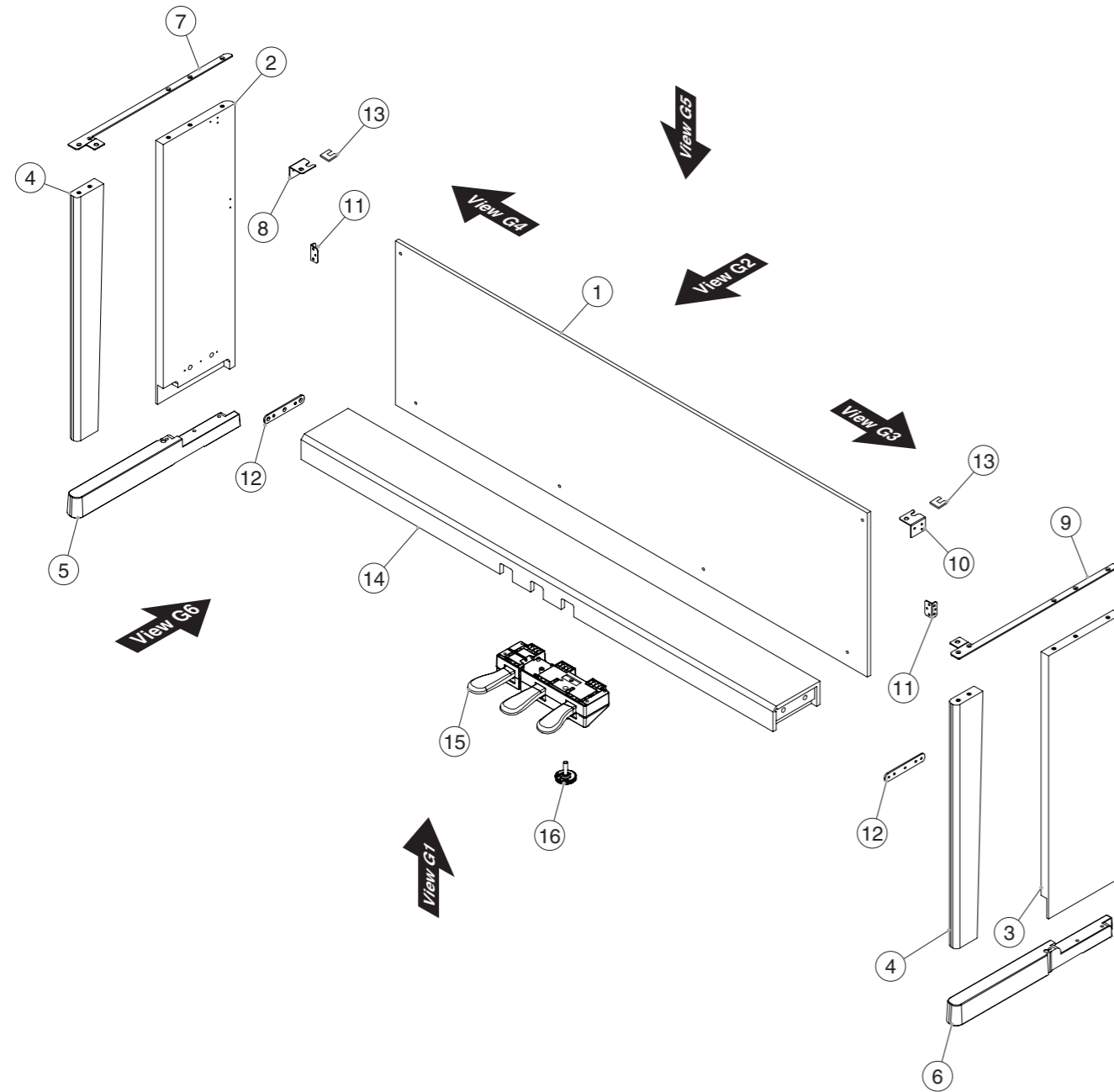
View F1

No.	Part Code	Part Name	Description	Q'ty
m	40011312	SCREW 3X8	BINDING TAPTITE P FE BZC	1
x	40012145	SCREW 4X14	TRUSS TAPPING A FE BZC	12
aa	40238501	SCREW 4X8	BINDING TAPTITE P FE BZC	2
bb	40563023	SCREW 3X16	FLAT TAPPING A ZC	4

View F2

No.	Part Code	Part Name	Description	Q'ty
i	40010678	SCREW 4X20	TRUSS TAPPING A FE BZC	2

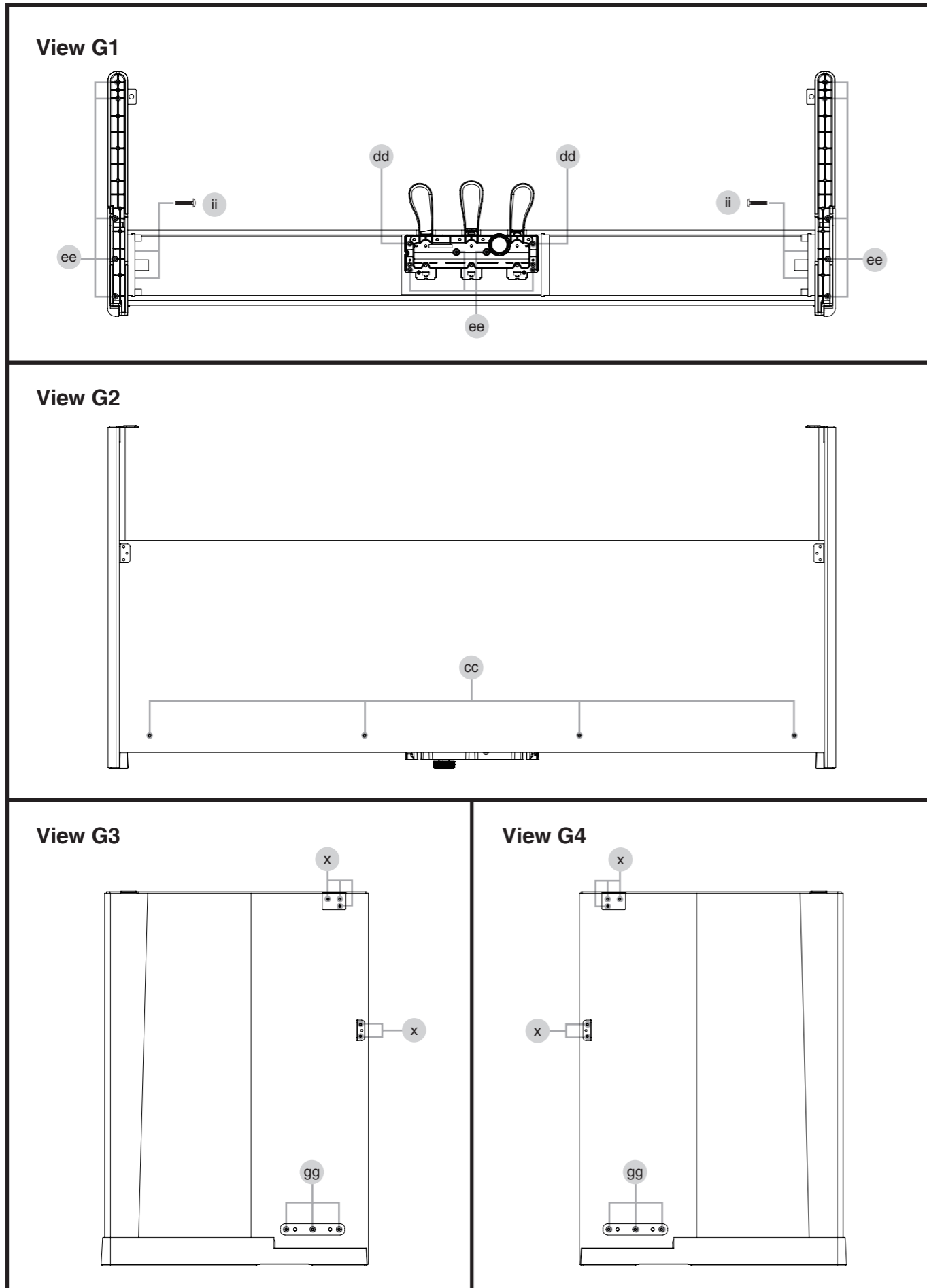
Exploded View (Fig. G)



Exploded View (Fig. G) Parts List

No.	Part Code	Part Name	Description	Q'ty
1	5100071371	REAR BOARD FOR STAND	for DR	1
	5100071373	REAR BOARD FOR STAND	for LA	1
	5100071372	REAR BOARD FOR STAND	for WH	1
	5100071370	REAR BOARD FOR STAND	for CB	1
2	5100071359	SIDE BOARD FOR STAND	for DR	1
	5100071361	SIDE BOARD L FOR STAND	for LA	1
	5100071360	SIDE BOARD L FOR STAND	for WH	1
	5100071358	SIDE BOARD L FOR STAND	for CB	1
3	5100071363	SIDE BOARD FOR STAND	for DR	1
	5100071365	SIDE BOARD R FOR STAND	for LA	1
	5100071364	SIDE BOARD R FOR STAND	for WH	1
	5100071362	SIDE BOARD R FOR STAND	for CB	1
4	5100071367	LEG	for DR	2
	5100071369	LEG	for LA	2
	5100071368	LEG	for WH	2
	5100071366	LEG	for CB	2
5	5100071441	TOE BLOCK L	W/HOLE for DR	1
	5100071445	TOE BLOCK L	W/HOLE for LA	1
	5100071443	TOE BLOCK L	W/HOLE for WH	1
	5100071398	TOE BLOCK L	W/HOLE for CB	1
6	5100071442	TOE BLOCK R	W/HOLE for DR	1
	5100071446	TOE BLOCK R	W/HOLE for LA	1
	5100071444	TOE BLOCK R	W/HOLE for WH	1
	5100071440	TOE BLOCK R	W/HOLE for CB	1
7	5100071378	JOINT PLATE L	for DR, CB, LA	1
	5100071379	JOINT PLATE L	for WH	1
8	5100051350	JOINT HOLDER L	for DR, CB, LA	1
	5100072517	JOINT HOLDER L	for WH	1
9	5100071380	JOINT PLATE R	for DR, CB, LA	1
	5100071381	JOINT PLATE R	for WH	1
10	5100051351	JOINT HOLDER R	for DR, CB, LA	1
	5100072518	JOINT HOLDER R	for WH	1
11	5100052173	REAR ANGLE	for DR, CB, LA	2
	5100072516	REAR ANGLE	for WH	2
12	5100051979	PEDAL BOARD HOLDER		2
	5100051245	HOLDER CUSHION		2
	5100071375	PEDAL BOARD	for DR	1
	5100071377	PEDAL BOARD	for LA	1
14	5100071376	PEDAL BOARD	for WH	1
	5100071374	PEDAL BOARD	for CB	1
15	5100063383	PEDAL UNIT	W/ ADJUST BOLT	1
* This unit includes the following parts.				
16	5100062685	ADJUST BOLT		1

Plain View (Fig. G) (1)



Plain View (Fig. G) (1) Parts List

View G1

No.	Part Code	Part Name	Description	Q'ty
dd	40782023	SCREW M4X40	PAN MACHINE W/SW ZC	2
ee	40017634	SCREW 4X40	TRUSS TAPPING A FE BZC	14
ii	40782501	SCREW M5X40	ORIGINAL TRUSS MACHINE FE BZC	4

View G2

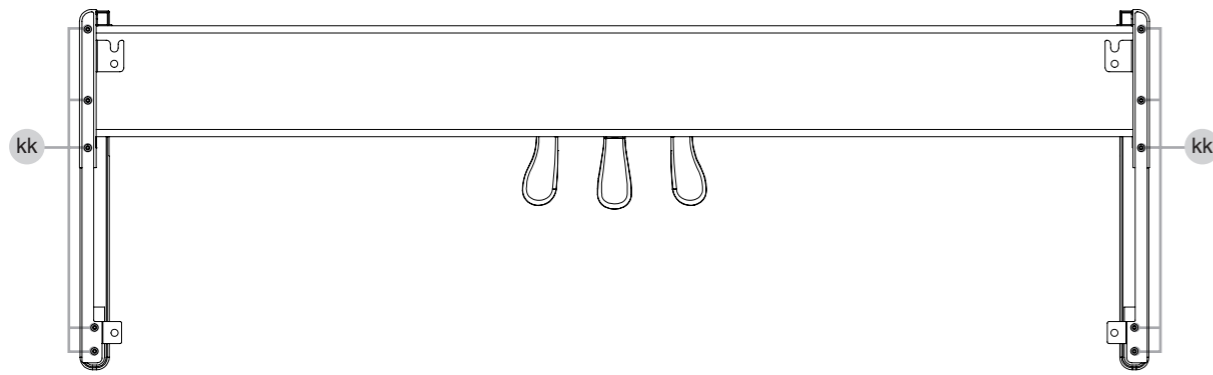
No.	Part Code	Part Name	Description	Q'ty
cc	40010678	SCREW 4X20	TRUSS TAPPING A FE BZC for DR, CB, LA	4
	40012112	SCREW 4X20	TRUSS TAPPING A ZC for WH	4

View G3, G4

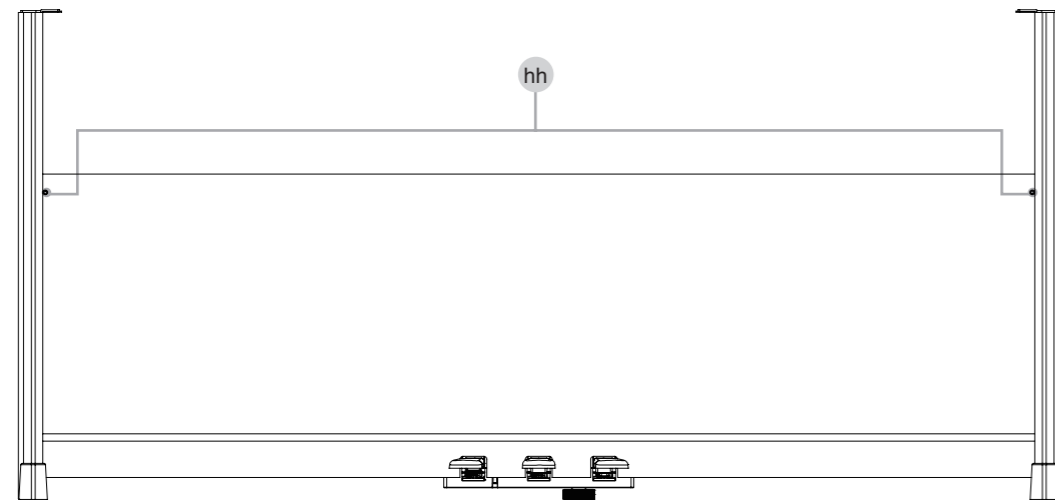
No.	Part Code	Part Name	Description	Q'ty
x	40012145	SCREW 4X14	TRUSS TAPPING A FE BZC for DR, CB, LA	10
	40012101	SCREW 4X14	TRUSS TAPPING A1 FE ZC for WH	10
gg	40677190	SCREW 4X20	FLAT TAPPING A FE BZC	6

Plain View (Fig. G) (2)

View G5



View G6



Plain View (Fig. G) (2) Parts List

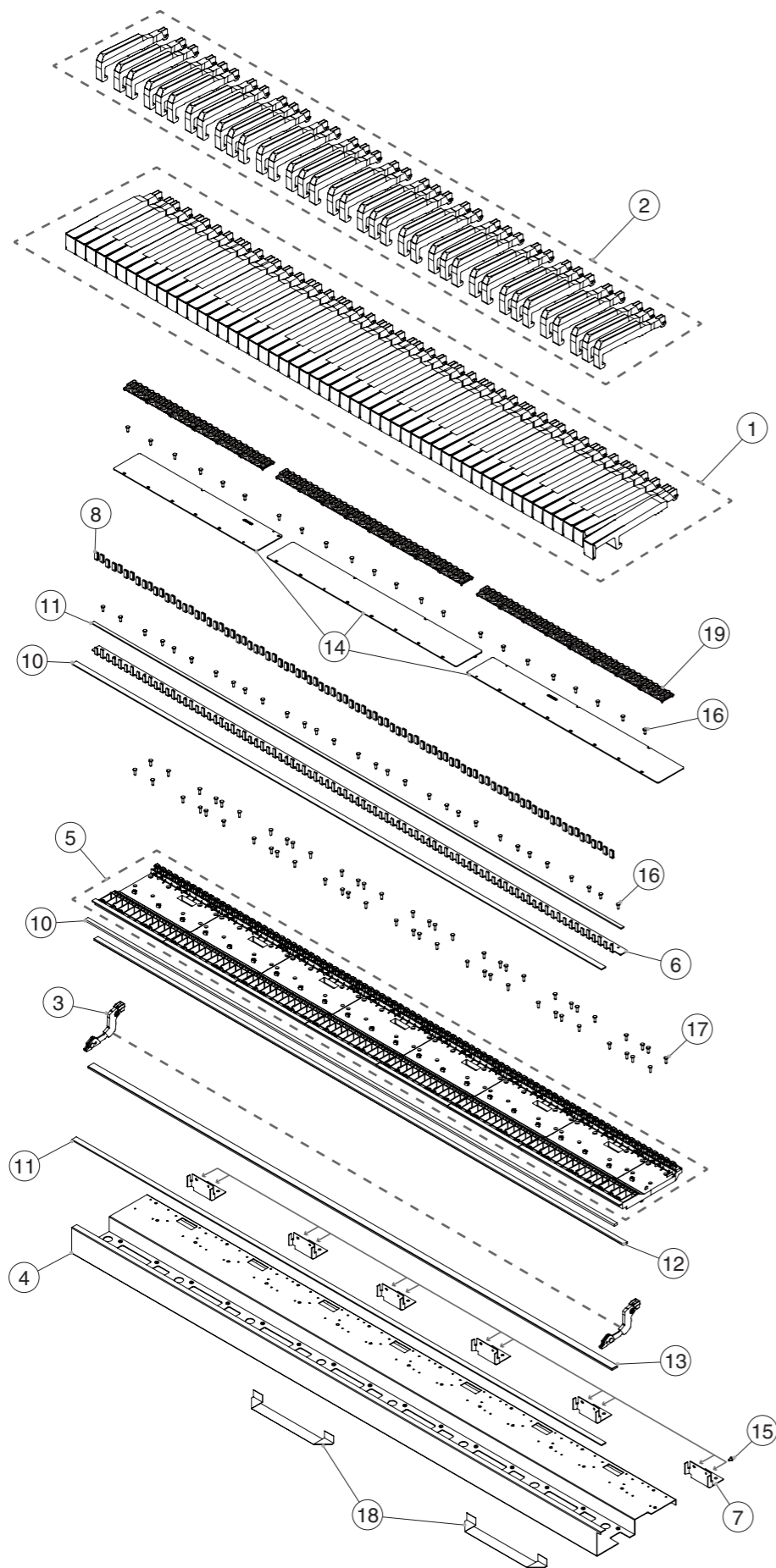
View G5

No.	Part Code	Part Name	Description	Qty
kk	40019601	SCREW 4X35	FLAT HEAD TAPPING A1 FE BZC	10

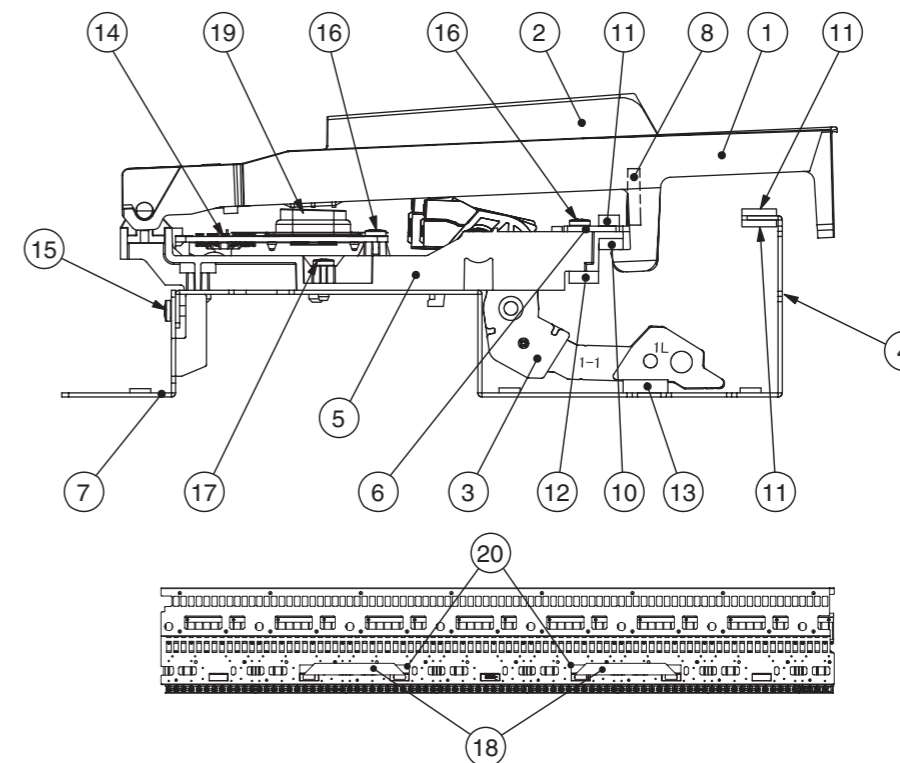
View G6

No.	Part Code	Part Name	Description	Qty
hh	40127267	SCREW 4X14	TRUSS TAPTITE S FE BZC	2
	5100035575	SCREW 4X14	TRUSS TAPTITE S ZC	2

Keyboard Exploded View (PX-7C)



Keyboard Parts List (PX-7C)



No.	Part Code	Part Name	Description	Q'ty
	5100054674	KEYBOARD ASSY	PX-7C SV SERVICE ASSY	
* This unit includes the following parts.				
1	5100046363	N-KEY C	PX-7C	7
	5100046364	N-KEY D	PX-7C	7
	5100046365	N-KEY E	PX-7C	7
	5100046366	N-KEY F	PX-7C	7
	5100046367	N-KEY G	PX-7C	7
	5100046361	N-KEY A	PX-7C	7
	5100046362	N-KEY B	PX-7C	8
	5100046368	N-KEY A DASH	PX-7C	1
	5100046369	N-KEY C DASH	PX-7C	1
2	5100055829	S-KEY EBONY	PX-7C	36
3	5100048710	HAMMER-1 FOR N-KEY	PX-7C	13
	5100048711	HAMMER-2 FOR N-KEY	PX-7C	13
	5100048712	HAMMER-3 FOR N-KEY	PX-7C	13
	5100048713	HAMMER-4 FOR N-KEY	PX-7C	13
	5100048714	HAMMER-1 FOR S-KEY	PX-7C	9
	5100048715	HAMMER-2 FOR S-KEY	PX-7C	9
	5100048716	HAMMER-3 FOR S-KEY	PX-7C	9
	5100048717	HAMMER-4 FOR S-KEY	PX-7C	9
4	*****	CHASSIS 88P	PX-7	1
5	*****	SUB CHASSIS 12P	PX-7	7
	*****	SUB CHASSIS 4P	PX-7	1
6	*****	GUIDE HOLDER	PX-7	1
7	5100046729	KEYBOARD HOLDER	PX-7C	6
8	5100046717	GUIDE BUSHING	PX-7C	88
10	5100019663	KEY CUSHION B	PX-7	1
11	5100048727	KEY STOP CUSHION B	PX-7	3
12	5100019111	HAMMER CUSHION A	PX-7	1
13	5100019664	HAMMER CUSHION B	PX-7	1
14	5100068954	PWB ASSY SET (GUH)	PX-7C/D	1
15	40011056	SCREW 3X6	BINDING TAPTITE B ZC	12
16	40011312	SCREW 3X8	BINDING TAPTITE P FE BZC	52
17	40012256	SCREW 3X10	BINDING TAPTITE B FE ZC	60
18	5100068059	FLAT CABLE	SML2CD-20X222-BDX8(BL)-P1.0-S4	2
19	5100047674	RUBBER SWITCH	12P	7
	5100068478	RUBBER SWITCH	4P	1
20	5100034564	DOUBLE-FACED TAPE	NITTO TAPE #501L W15MM 50M	-

* The cable (#5100071035) isn't included in this unit (#5100054674).

* For disassembly and maintenance of keyboard, refer to the Service Notes for PX-7B/C/D.

Parts List

Due to one or more of the following reasons, parts with parts code ***** cannot be supplied as service parts.

- Supply is prohibited due to copyright restrictions.
- It is carried in electronic data on the Roland web site.
- The part is made to order (at current market price).
- It is a package or an accessory irrelevant to the function maintenance of the main body.
- It is sold as a product.
- Reissuance is restricted.
- It is supplied as an assembled part (under a different part code).
- It can be replaced with an article on the market. (battery or etc.)
- A number of circuit boards are grouped together and supplied as a single circuit board (under a different part code).

Note: The parts marked # are new. (initial parts) The description "Qty" means a necessary number of the parts per one product.

CASING

#	5100075186	CABINET ASSY		for DR	1
#	5100071351	TOP BOARD		for DR	1
#	5100071397	FRONT PANEL		for DR, CB	1
#	5100071400	END BLOCK L		for DR, CB	1
#	5100071452	END BLOCK R		for DR, CB	1
#	5100071347	UPPER BLIND		for DR	1
#	5100071584	LID BLIND		for DR	1
#	5100071343	LID BOARD		for DR	1
#	5100072494	MUSIC REST		for DR	1
#	5100071375	PEDAL BOARD		for DR	1
#	5100071355	REAR PANEL		for DR, CB	1
#	5100071359	SIDE BOARD FOR STAND		for DR	1
#	5100071363	SIDE BOARD FOR STAND		for DR	1
#	5100071371	REAR BOARD FOR STAND		for DR	1
#	5100071367	LEG		for DR	2
#	5100071441	TOE BLOCK L	W/HOLE	for DR	1
#	5100071442	TOE BLOCK R	W/HOLE	for DR	1
#	5100075187	CABINET ASSY		for LA	1
#	5100071353	TOP BOARD		for LA	1
#	5100072124	FRONT PANEL		for LA	1
#	5100072050	END BLOCK L		for LA	1
#	5100072051	END BLOCK R		for LA	1
#	5100071349	UPPER BLIND		for LA	1
#	5100071583	LID BLIND		for LA	1
#	5100071345	LID BOARD		for LA	1
#	5100072495	MUSIC REST		for LA	1
#	5100071377	PEDAL BOARD		for LA	1
#	5100071373	REAR BOARD FOR STAND		for LA	1
#	5100071357	REAR PANEL		for LA	1
#	5100071361	SIDE BOARD L FOR STAND		for LA	1
#	5100071365	SIDE BOARD R FOR STAND		for LA	1
#	5100071369	LEG		for LA	2
#	5100071445	TOE BLOCK L	W/HOLE	for LA	1
#	5100071446	TOE BLOCK R	W/HOLE	for LA	1
#	5100075188	CABINET ASSY		for WH	1
#	5100071352	TOP BOARD		for WH	1
#	5100071439	FRONT PANEL		for WH	1
#	5100071453	END BLOCK L		for WH	1
#	5100071454	END BLOCK R		for WH	1
#	5100071348	UPPER BLIND		for WH	1
#	5100071582	LID BLIND		for WH	1
#	5100071344	LID BOARD		for WH	1
#	5100072496	MUSIC REST		for WH	1
#	5100071376	PEDAL BOARD		for WH	1
#	5100071356	REAR PANEL		for WH	1
#	5100071360	SIDE BOARD L FOR STAND		for WH	1
#	5100071364	SIDE BOARD R FOR STAND		for WH	1
#	5100071372	REAR BOARD FOR STAND		for WH	1
#	5100071368	LEG		for WH	2
#	5100071443	TOE BLOCK L	W/HOLE	for WH	1
#	5100071444	TOE BLOCK R	W/HOLE	for WH	1

CASING

#	5100075189	CABINET ASSY		for CB	1
#	5100071350	TOP BOARD		for CB	1
#	5100071346	UPPER BLIND		for CB	1
#	5100071581	LID BLIND		for CB	1
#	5100071342	LID BOARD		for CB	1
#	5100071354	MUSIC REST		for CB	1
#	5100071374	PEDAL BOARD		for CB	1
#	5100071358	SIDE BOARD L FOR STAND		for CB	1
#	5100071362	SIDE BOARD R FOR STAND		for CB	1
#	5100071370	REAR BOARD FOR STAND		for CB	1
#	5100071366	LEG		for CB	2
#	5100071398	TOE BLOCK L	W/HOLE	for CB	1
#	5100071440	TOE BLOCK R	W/HOLE	for CB	1
	5100052189	SPEAKER COVER			2

CHASSIS

	5100051973	ANGLE			18
	5100056502	UPPER BLIND ANGLE			1
	5100055963	LID ANGLE			1
	5100062613	SIDE ANGLE L			1
	5100062614	SIDE ANGLE R			1
#	5100071389	CENTER HOLDER			4
#	5100071391	END BLOCK HOLDER			2
#	5100071394	JACK HOLDER			1
#	5100071395	REAR JACK HOLDER			1
	5100051979	PEDAL BOARD HOLDER			2
	5100051350	JOINT HOLDER L		for DR, CB, LA	1
	5100051351	JOINT HOLDER R		for DR, CB, LA	1
#	5100071378	JOINT PLATE L		for DR, CB, LA	1
#	5100071380	JOINT PLATE R		for DR, CB, LA	1
	5100052169	MR ANGLE		for DR, CB, LA	2
	5100052173	REAR ANGLE		for DR, CB, LA	2
#	5100072517	JOINT HOLDER L		for WH	1
#	5100072518	JOINT HOLDER R		for WH	1
#	5100071379	JOINT PLATE L		for WH	1
#	5100071381	JOINT PLATE R		for WH	1
#	5100072515	MR ANGLE		for WH	2
#	5100072516	REAR ANGLE		for WH	2

KNOB, BUTTON

#	5100071401	KEYTOP		for DR, CB	14
	5100062319	R-KNOB		for DR, CB	1
#	5100072052	KEYTOP		for LA	14
#	5100072046	R-KNOB		for LA	1
#	5100071455	KEYTOP		for WH	14
	5100062320	R-KNOB		for WH	1

SWITCH

	02781634	TACT SWITCH	SKRGAED010		14
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JACK, EXT TERMINAL

	04452945	3.5MM JACK	YKB21-5344N		2
	5100071299	6.5MM JACK	YKB21-5006W		1
	5100061609	MINI DIN CONNECTOR	YKF51-5448N		1
	04459190	USB CONNECTOR A TYPE FEMALE	YKF45-0033N		1
	02781189	USB CONNECTOR B TYPE FEMALE	YKF45-0021N		1
	5100068814	DC JACK	DC-021H-1-G		1

DISPLAY UNIT

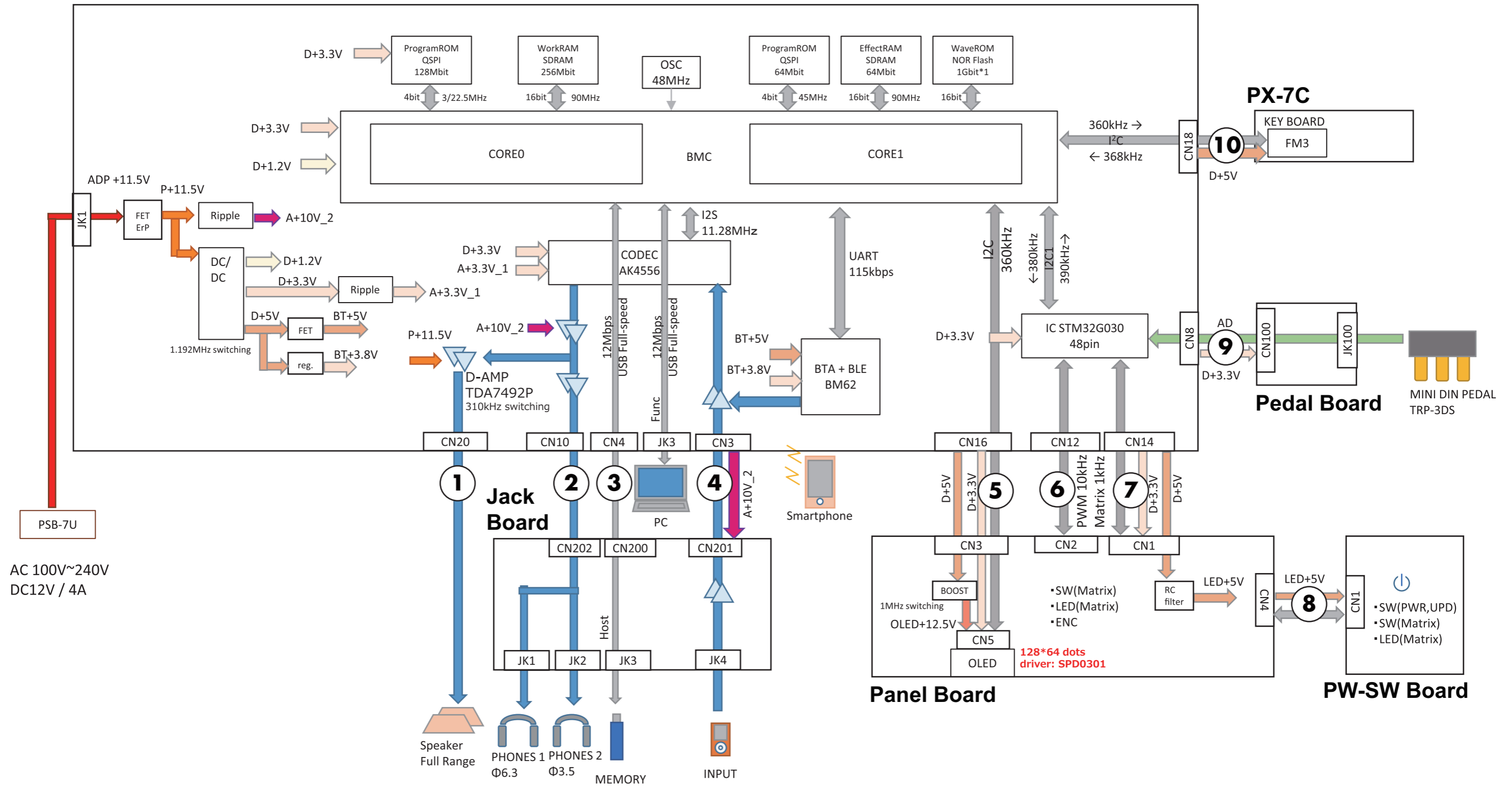
#	5100071031	OLED	9OL9930814000		1
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SPEAKER, BUZZER				
	5100047143	SPEAKER	F1204-E34C	2
KEYBOARD ASSY				
	5100054674	KEYBOARD ASSY	PX-7C SV SERVICE ASSY	1
PWB ASSY				
#	5100068927	MAIN BOARD ASSY		1
#	5100070525	PANEL SHEET ASSY		1
#	5100070534	JACK SHEET ASSY		1
	* This unit includes the following parts.			
	*****	JACK BOARD		1
	*****	PEDAL BOARD		1
	*****	PW-SW BOARD		1
ENCODER				
#	5100071062	ENCODER	DC12G2421405	1
WIRING, CABLE				
#	5100071033	WIRING	W1(MAIN-INPUT)	1
#	5100071034	WIRING	W2(MAIN-USB-H)	1
#	5100071035	WIRING	W3(MAIN-KEY)	1
#	5100071036	WIRING	W4(MAIN-SP)	1
#	5100072571	WIRING	1061#28 4X790-PHR-PHR-F	1
#	5100072542	WIRING	1061#28 7X60-PHR-PHR-F	1
#	5100072539	WIRING	1061#28 8X700-PHR-PHR-F	1
#	5100072540	WIRING	1061#28 9X650-PHR-PHR-F	1
#	5100072532	WIRING	1061#28 10X750-PHR-PHR-F	1
#	5100072541	WIRING	1061#28 11X820-PHR-PHR-F	1
SCREWS				
	40011056	SCREW 3X6	BINDING TAPTITE B ZC	1
	40011301	SCREW 3X6	BINDING TAPTITE P FE BZC	4
#	5100072018	SCREW 3X8	PAN TAPTITE P WH BZC	7
	40011101	SCREW 3X8	BINDING TAPTITE B BZC	8
	40011312	SCREW 3X8	BINDING TAPTITE P FE BZC	46
	40563023	SCREW 3X16	FLAT TAPPING A ZC	8
	40239401	SCREW 3.5X8	BINDING TAPPING A BZC	27
	40127545	SCREW 4X10	TRUSS TAPPING A FE BZC	46
	40127545	SCREW 4X10	TRUSS TAPPING A FE BZC	6
	40012089	SCREW 4X10	TRUSS TAPPING A ZC	6
	40012145	SCREW 4X14	TRUSS TAPPING A FE BZC	34
	40127267	SCREW 4X14	TRUSS TAPTITE S FE BZC	14
	40012101	SCREW 4X14	TRUSS TAPPING A1 FE ZC	10
	5100035575	SCREW 4X14	TRUSS TAPTITE S ZC	8
	40010667	SCREW 4X16	TRUSS TAPPING A FE BZC	8
	40677190	SCREW 4X20	FLAT TAPPING A FE BZC	6
	40010678	SCREW 4X20	TRUSS TAPPING A FE BZC	5
	40564767	SCREW 4X20	VWH TAPTITE B W12.5 BZC	24
	40010689	SCREW 4X25	TRUSS TAPPING A FE BZC	8
	40019601	SCREW 4X35	FLAT HEAD TAPPING A1 FE BZC	10
	40017634	SCREW 4X40	TRUSS TAPPING A FE BZC	14
	40010645	SCREW 4X8	TRUSS TAPPING A FE BZC	13
	40238501	SCREW 4X8	BINDING TAPTITE P FE BZC	4
	40237101	SCREW M3X8	PAN MACHINE W/SW+SMALL PW BZC	9
	5100058341	SCREW M3X10	PAN MACHINE W/SW+PW BZC W/GLUE	2
	40782023	SCREW M4X40	PAN MACHINE W/SW ZC	2
	5100072551	SCREW M5X19	NYRON N-3 BLACK	2
	5100072526	SCREW M5X19	NYRON N-3 WHITE	2
	5100072241	PLAIN WASHER	3X6X1 SUS	2
	5100068812	SHOULDER SCREW		2
	5100062685	ADJUST BOLT		1

MISCELLANEOUS				
	5100063383	PEDAL UNIT	W/ ADJUST BOLT	1
#	5100072121	MUSIC STOPPER		1
#	5100072122	MUSIC STOPPER		1
	5100028810	MUSIC STOPPER		1
	5100008068	MUSIC STOPPER		1
	5100055890	BRACKET		2
#	5100071433	DISPLAY COVER		1
#	5100071404	ESCUTCHEON COVER		12
	40455345	FREE CAP 8 BLK		2
	5100047120	GUIDE PIN		2
	03012323	KEY FELT		1
#	5100071403	KEYTOP ESCUTCHEON A		12
#	5100071430	KEYTOP ESCUTCHEON B		1
#	5100071432	LED INDICATER		1
	5100051245	HOLDER CUSHION		2
#	5100074207	INDICATOR CUSHION		1
	5100047126	LID BLIND CUSHION		2
	5100051975	LID GEAR		2
	5100046655	LID GUIDE BUSH		2
	5100062604	LID RAIL		2
	5100051974	LID RAIL STOPPER		2
	5100052170	LID SHAFT		1
	5100052172	LID SHAFT STAY BUSH		3
#	5100072128	STOP PIN L		1
#	5100072129	STOP PIN R		1
#	5100072130	STOP PIN L		1
#	5100072131	STOP PIN R		1
	5100028811	STOP PIN L		1
	5100028812	STOP PIN R		1
	5100008070	STOP PIN L		1
	5100010675	STOP PIN R		1
	5100008069	STOPPER BASE		2
	5100065140	SW STAY		1
	5100062365	SPRING		14
#	5100072548	ADHESIVE SHEET A		1
	40017378	COATING CLIP	CS-7	9
	5100052164	CONNECTING PIN		2
	40016523	INSULOK TIE 100M/M T-18R	(1000 PCS ORDERING PER)	23
	40016545	LOCKING TOOL FOR INSULOK TIE	SKM-1	1
	40122612	ACETATE TAPE	NITTO #5 BLACK W10MM 30M	-
	40232123	ACETATE TAPE	NITTO #5 BLACK W20MM 30M	-
	40122789	ACETATE TAPE	NITTO #156A W15MM 30M	-
	5100034564	DOUBLE SIDED ADHESIVE TAPE	NITTO #501L W15MM 50M	-
	5100021076	DOUBLE SIDED ADHESIVE TAPE	NITTO #5000NS W5MM	-
	17041858	GREASE FOR KEY	MOLYKOTE G-1039 (50 GRAM)	-
	17049543	GREASE FOR KEY	FLOIL G-336A WHITE (93 GRAM)	-
	17042116	GREASE FOR LID RAIL	FLOIL G-953 5CC (PINK)	-
	17042113	GREASE(WHITE)	FLOIL G-424F 10 CC	-
ACCESSORIES (Standard)				
	5100047496	AC ADAPTOR	PSB-7U(S)2 WITHOUT AC CORD	1
	5100048283	AC CORD SET	100V EYEGLASS ARK-VFF 1.0M	(19) for 100V 1
	02562456	AC CORD SET	120V 1.0M (NON POLAR)	(22) for 117VU, (28) for 117VU/CS 1
	5100012293	AC CORD SET	117VBL 1.0M FOR PSB	(26) for 117VBL 1
	01903356	AC CORD SET	230V 1.0M FOR PSB	(38) for 230V 1
	5100018086	AC CORD SET	230VE 1.0M FOR EPS	(38) for 230VE 1
	5100033404	AC CORD SET	240V SP501-IS037 PSB 1.0M	(59) for 240VA 1
	5100019558	AC CORD SET	220V CCC SP505A-IS037 1.0M	(65) for 220VCN 1
	5100039367	AC CORD	SP021A+IS037 220VK 2.5M 2P	(66) for 220VK 1
	5100028675	HEAD-PHONE	RH-25A (SERVICE ONLY)	only for Japan 1
#	5100071218	OWNER'S MANUAL	MULTILANGUAGE	1
	5100064269	SONGBOOK PIANO MASTERPIECES	JAPANESE	only for Japan 1
	5100064270	SONGBOOK PIANO MASTERPIECES	ENGLISH	only for China 1
	5100046646	PHONES HOOK		1
	40126267	SCREW M4X16	PAN MACHINE W/SW+PW FE BZC	2
	40782501	SCREW M5X40	ORIGINAL TRUSS MACHINE FE BZC	4
	40127267	SCREW 4X14	TRUSS TAPTITE S FE BZC	2
	40010678	SCREW 4X20	TRUSS TAPPING A FE BZC	4
	40679101	SCREW M5X20	TRUSS MACHINE FE BZC	2
#	5100035575	SCREW 4X14	TRUSS TAPTITE S ZC	2
	40012112	SCREW 4X20	TRUSS TAPPING A ZC	4
#	5100072524	SCREW M5X20	TRUSS MACHINE ZC	2

Block & Wiring Diagram

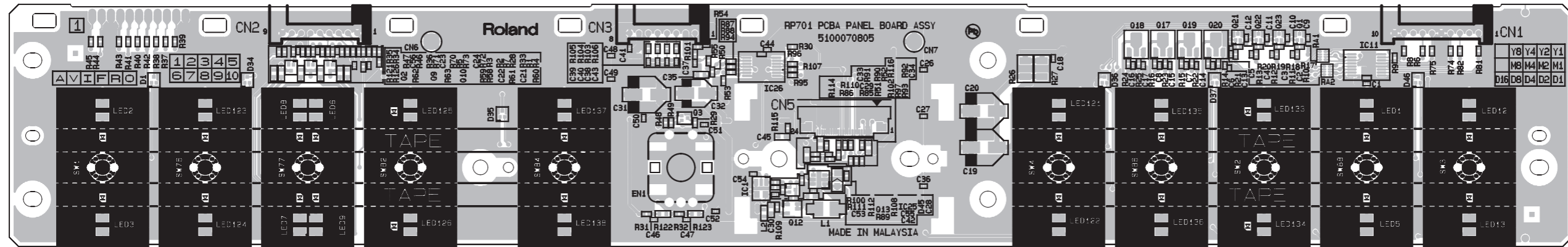
Main Board



No.	Part Code	Part Name	Description	Q'ty
1	5100071036	WIRING	W4(MAIN-SP)	1
2	5100072571	WIRING	1061#28 4X790-PHR-PHR-F	1
3	5100071034	WIRING	W2(MAIN-USB-H)	1
4	5100071033	WIRING	W1(MAIN-INPUT)	1
5	5100072539	WIRING	1061#28 8X700-PHR-PHR-F	1

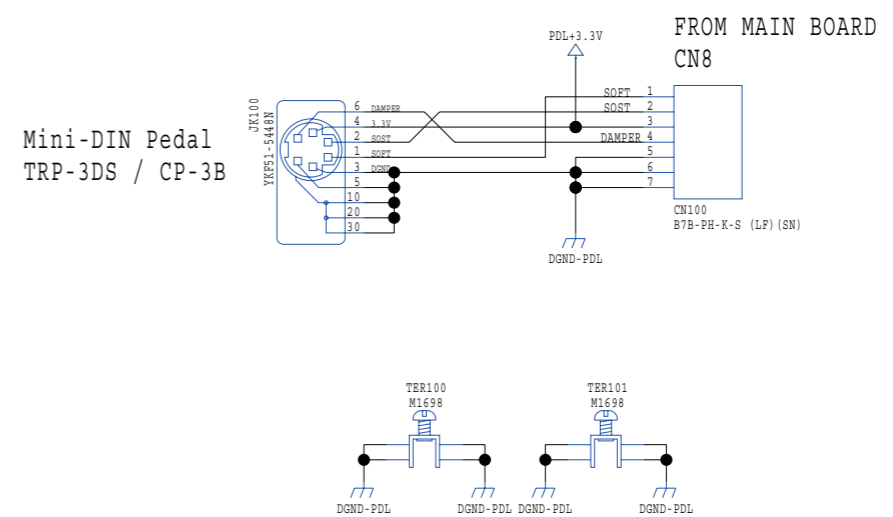
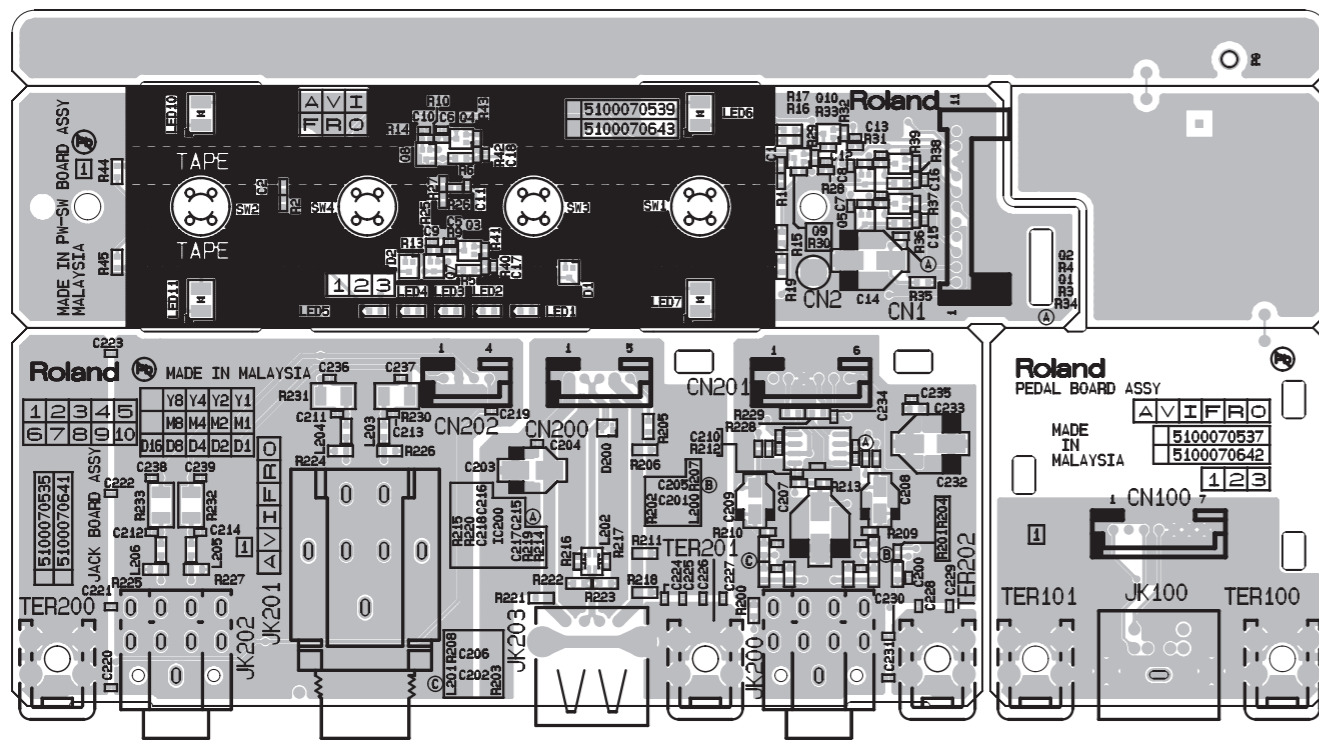
No.	Part Code	Part Name	Description	Q'ty
6	5100072540	WIRING	1061#28 9X650-PHR-PHR-F	1
7	5100072532	WIRING	1061#28 10X750-PHR-PHR-F	1
8	5100072541	WIRING	1061#28 11X820-PHR-PHR-F	1
9	5100072542	WIRING	1061#28 7X60-PHR-PHR-F	1
10	5100071035	WIRING	W3(MAIN-KEY)	1

Circuit Board (Panel Board)



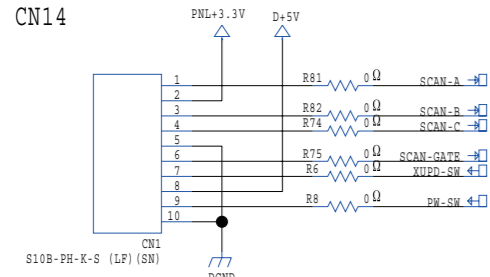
Circuit Board (Pedal, Jack, Pw-Sw Board)

Circuit Diagram (Pedal Board)

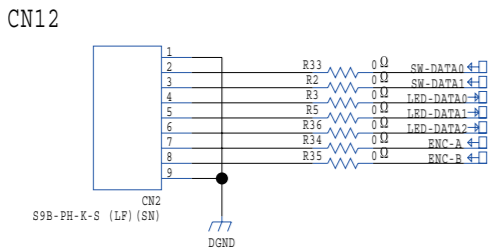


Circuit Diagram (Panel Board: 1/2)

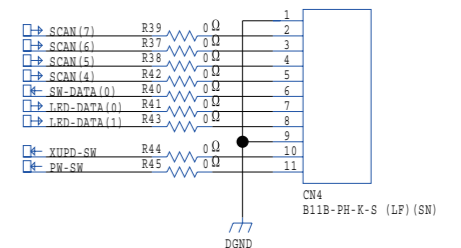
FROM MAIN BOARD



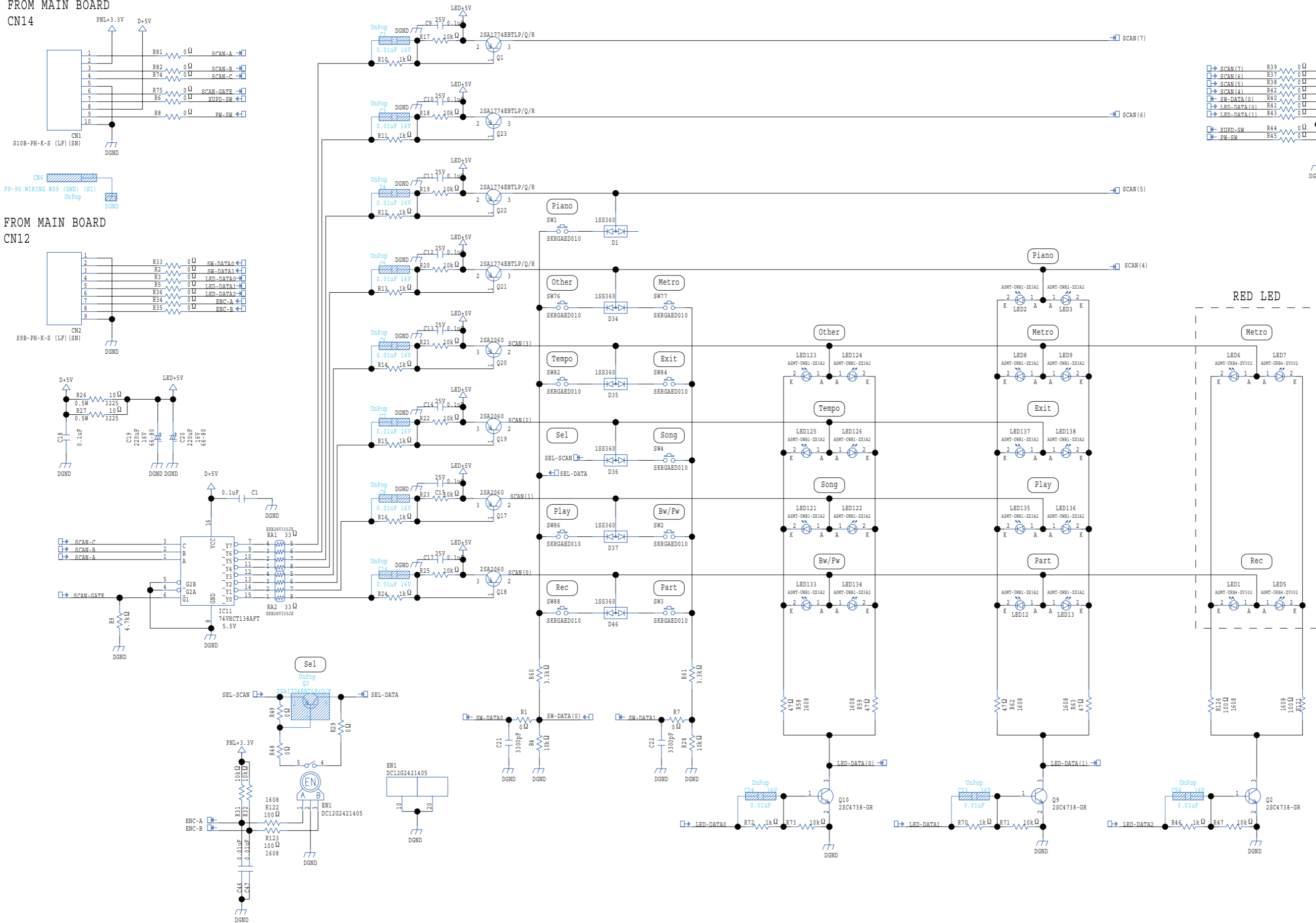
FROM MAIN BOARD



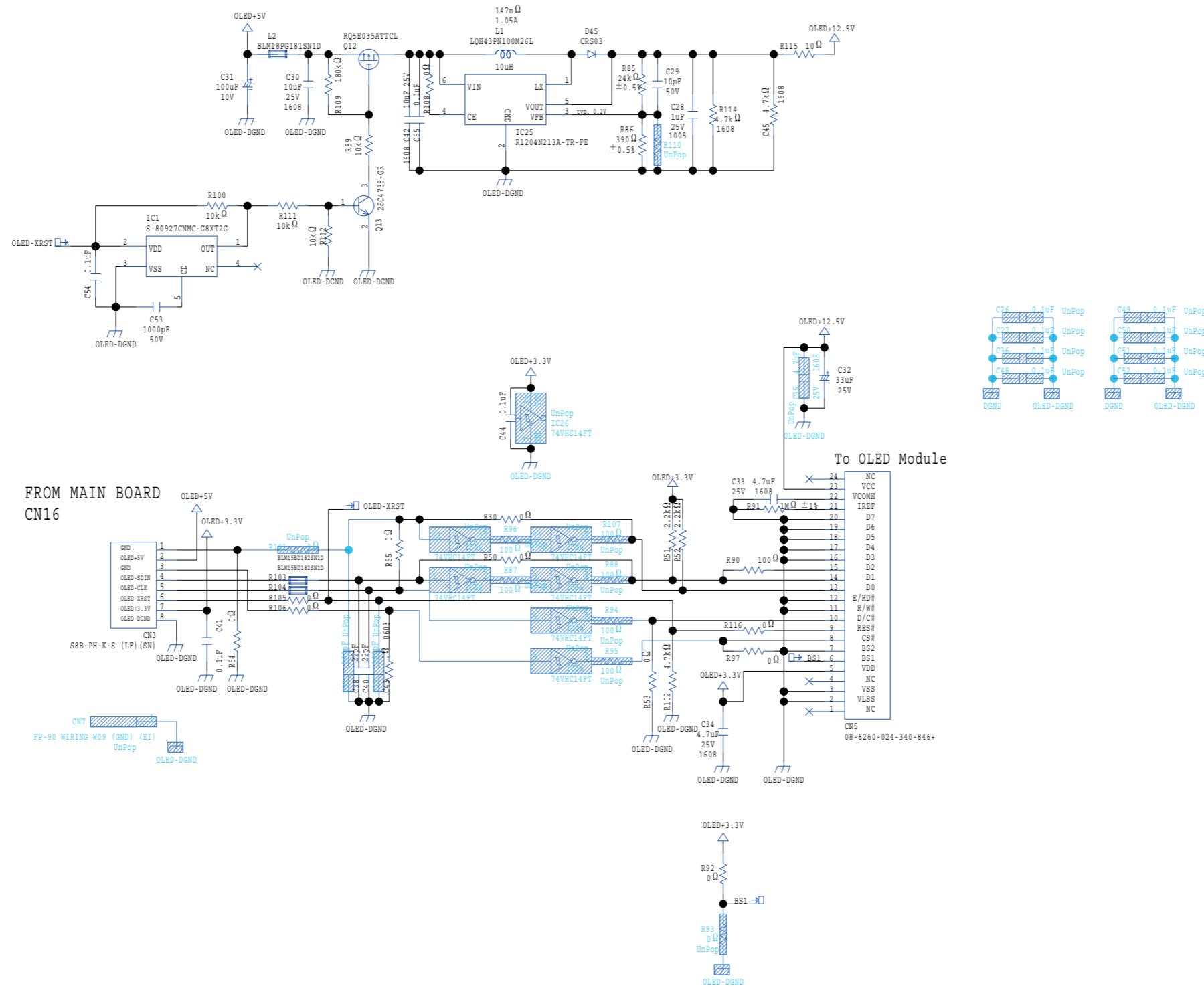
TO PW-SW BOARD



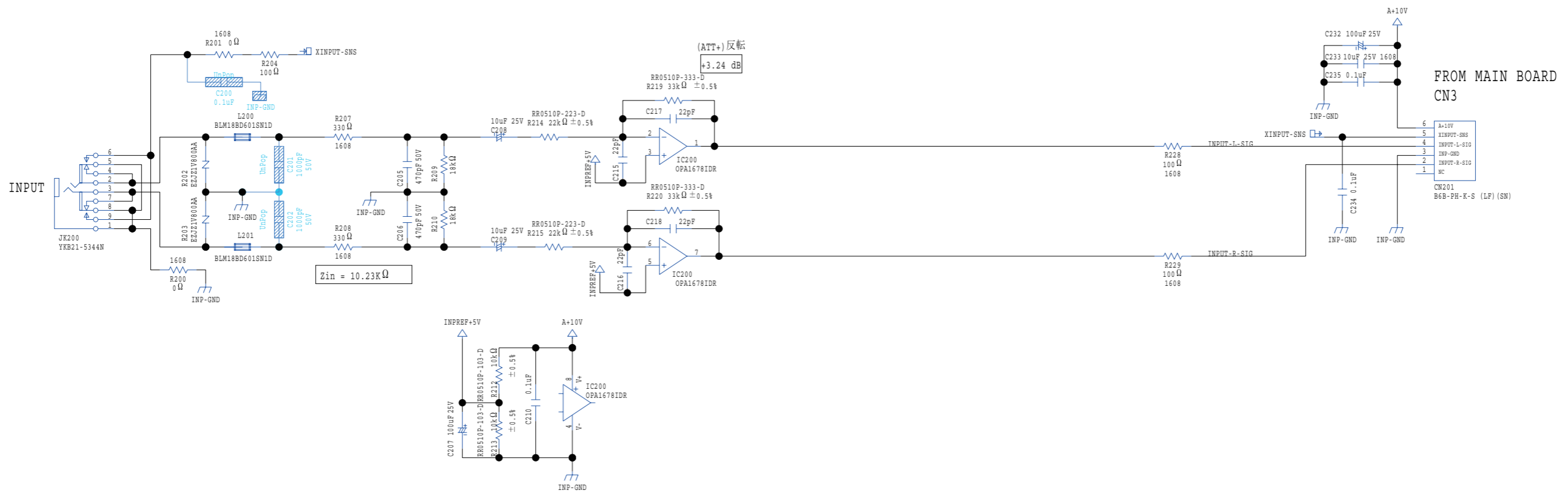
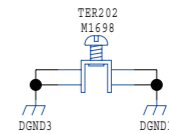
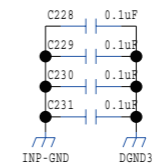
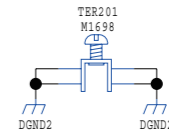
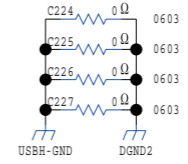
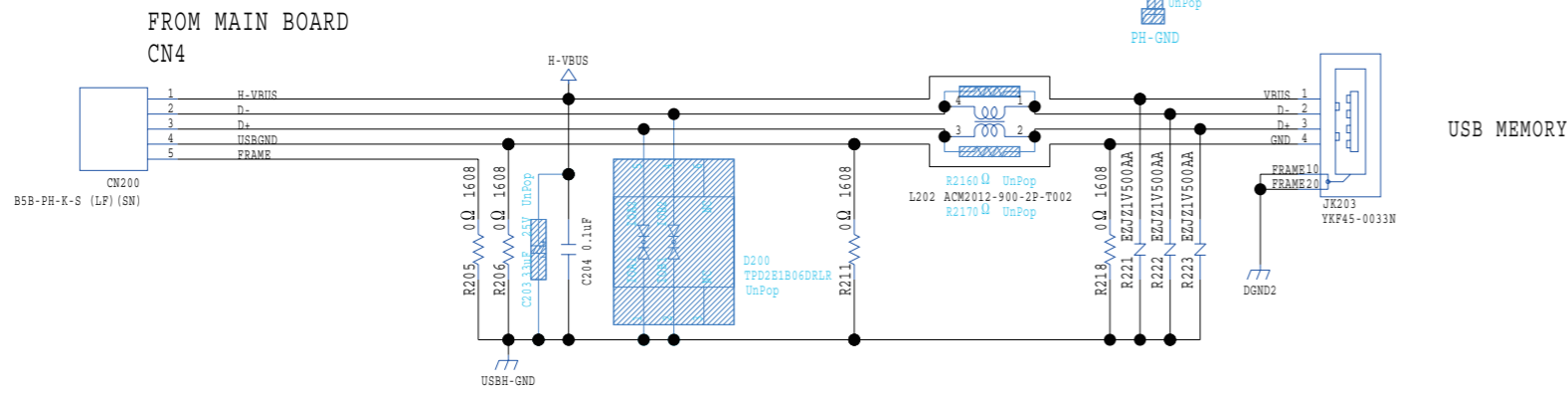
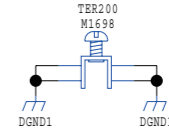
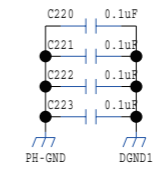
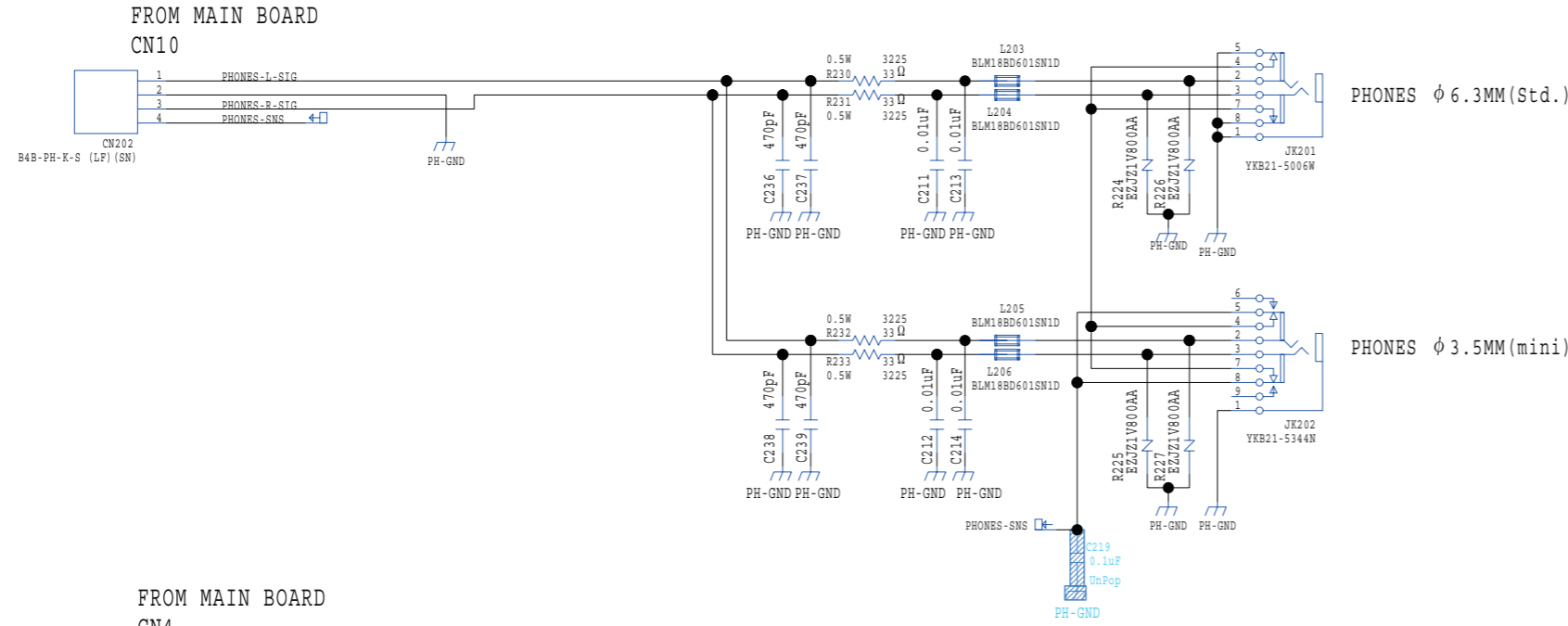
Soldering Side



Circuit Diagram (Panel Board: 2/2)



Circuit Diagram (Jack Board)



Circuit Diagram (Pw-Sw Board)

