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SPECIFICATIONS

- **SK-500 : Sound Canvas** (General MIDI System / GS Format)
- Number of parts: 32
- Maximum Polyphony: 64 voices
- Internal Sounds:
  - Sound Maps: 4 (SC-8800, SC-88Pro, SC-88, SC-50)
  - Power Sounds: 1000
  - Drum sound set: 63
  - User sounds: —
  - User drum sound set: —
- Effects:
  - Reverb (5 types)
  - Chorus (8 types)
  - Delay (10 types)
- 2 Band Equalizer
- Insertion Effect (64 types)
- Keyboard:
  - 49 keys
- Display:
  - 7 segments 3 digits LED
- Connectors:
  - USB connector
  - MIDI OUT connector
  - Audio Input jack (Stereo mini-phone type)
  - Audio Output jack (Stereo mini-phone type)
- Headphone jacks x 2 (Stereo mini-phone type)
- Pedal jack
- Power Supply:
  - DC 9 V (AC Adaptor)
- Power Consumption:
  - 500 mA
- Dimensions:
  - 844 (W) x 210 (D) x 73 (H) mm
  - 33-1/4 (W) x 8-1/16 (D) x 3-1/4 (H) inches
- Weight (excluding AC Adaptor):
  - 2.8 kg
  - 6 lbs 3 oz
- Accessories:
  - Owner's Manual English
  - AC Adapter
  - MIDI Cable
  - Audio Cables
  - Pedal Switch DP-2 (4 items)
- Options:
  - Computer Cable: RSC-15AT (for PC-AT Compatible)
  - RSC-15APL (for Apple Macintosh)
  - Expression Pedal: EV-5
  - Pedal Switch: DP-2, DP-6

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SK-500

Roland

Printed in Japan A000 (CM)
LOCATION OF CONTROLS Ⅲ

<table>
<thead>
<tr>
<th>No.</th>
<th>Part Code</th>
<th>Part Name</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>02457345</td>
<td>KEYTOP for SERVICE</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>02457356</td>
<td>POWER BUTTON for SERVICE</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>02457367</td>
<td>SLIDER KNOB for SERVICE</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>02457334</td>
<td>WHEELS ASSY</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>02457390</td>
<td>EXT PARTS SET for SERVICE</td>
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# EXPLODED VIEW 分解図

## [Parts]

<table>
<thead>
<tr>
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<th>Part Name</th>
<th>Q'ty</th>
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<tr>
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</tr>
<tr>
<td>2</td>
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<td>MAINBOARD ASSY for SERVICE (EXG)</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>02457312</td>
<td>PANELBOARD ASSY for SERVICE (W/WIRING)</td>
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## [Screws]

<table>
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<th>Part Code</th>
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<tr>
<td>A</td>
<td>40011301</td>
<td>SCREW 3x6 BINDING TAPTITE P FE BZC</td>
<td>11</td>
</tr>
<tr>
<td>B</td>
<td>40011323</td>
<td>SCREW 3x10 BINDING TAPTITE P BZC</td>
<td>20</td>
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</table>
PARTS LIST  パーツリスト

SAFETY PRECAUTIONS:
The parts marked [△] have safety-related characteristics. Use only listed parts for replacement.

NOTE: The parts marked [△] are new (initial parts)

CASING  ケース

Q'ty

<table>
<thead>
<tr>
<th>Q'TY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>MODEL NUMBER</th>
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<tbody>
<tr>
<td>1</td>
<td>02457300</td>
<td>EXTRPARTS SET for SERVICE</td>
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<tr>
<td>1</td>
<td>02457345</td>
<td>KEYTOP for SERVICE</td>
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<tr>
<td>1</td>
<td>02457334</td>
<td>SLIDER KNOB for SERVICE</td>
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<td>1</td>
<td>02457339</td>
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PWB ASSY  基板完成品

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<th>MODEL NUMBER</th>
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<tbody>
<tr>
<td>1</td>
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<td>MAIN BOARD ASSY for SERVICE (EXG)</td>
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</tr>
<tr>
<td>1</td>
<td>02457312</td>
<td>PANEL BOARD ASSY for SERVICE (W/WIRING)</td>
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</table>

SCREW  ねじ類

<table>
<thead>
<tr>
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<th>DESCRIPTION</th>
<th>MODEL NUMBER</th>
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</thead>
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<tr>
<td>1</td>
<td>40011321</td>
<td>SCREW 3x6  BINDING TAPRITE P FE BZC</td>
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<tr>
<td>1</td>
<td>40011322</td>
<td>SCREW 3x10  BINDING TAPRITE P BZC</td>
<td></td>
</tr>
</tbody>
</table>

PACKING  純正材

<table>
<thead>
<tr>
<th>Q'TY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>MODEL NUMBER</th>
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<tbody>
<tr>
<td>1</td>
<td>02457289</td>
<td>PAD ACCESSORY BOX for SERVICE</td>
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<td>1</td>
<td>02457290</td>
<td>PAD ADAPTOR for SERVICE</td>
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</tr>
<tr>
<td>1</td>
<td>02457267</td>
<td>PAD L for SERVICE</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>02457278</td>
<td>PAD R for SERVICE</td>
<td></td>
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<td>02456945</td>
<td>PACKING CASE</td>
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<td>02456978</td>
<td>PACKING CASE</td>
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ACCESSORIES (STANDARD)  標準付属品

<table>
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<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>MODEL NUMBER</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>71785712</td>
<td>OWNER'S MANUAL</td>
<td>JAPANESE</td>
</tr>
<tr>
<td>1</td>
<td>71785801</td>
<td>OWNER'S MANUAL</td>
<td>ENGLISH (Inc. FRENCH/GERMANY/ITALY/SPAIN)</td>
</tr>
<tr>
<td>1</td>
<td>00905766</td>
<td>AC ADAPTOR</td>
<td>ACI-100C</td>
</tr>
<tr>
<td>1</td>
<td>00905767</td>
<td>AC ADAPTOR</td>
<td>ACI-120C</td>
</tr>
<tr>
<td>1</td>
<td>01018312</td>
<td>AC ADAPTOR</td>
<td>ACI-230C</td>
</tr>
<tr>
<td>1</td>
<td>01901576</td>
<td>AC ADAPTOR</td>
<td>PSB-1U UNIVERSAL</td>
</tr>
</tbody>
</table>

NOTE: The parts marked [△] are new (initial parts)

SAFETY PRECAUTIONS:
The parts marked [△] have safety-related characteristics. Use only listed parts for replacement.

NOTE: The parts marked [△] are new (initial parts)

.accessories (standard)  標準付属品

<table>
<thead>
<tr>
<th>Q'TY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>MODEL NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>71785712</td>
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</tr>
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</table>

NOTE: The parts marked [△] are new (initial parts)

SAFETY PRECAUTIONS:
The parts marked [△] have safety-related characteristics. Use only listed parts for replacement.

NOTE: The parts marked [△] are new (initial parts)
**システムのアップデートの方法**

1. **必要な機材**
   - SK-500 または AC 付属のPCカードを接続する
   - Windows コンピュータ端末はパソコン用ソフトウェアが含まれている
   - シリアル接続ケーブル
   - アップデートシェット

2. **機材の設置について**
   - SK-500 または AC のリモートスイッチに接続
   - シリアル接続ケーブルを接続します
   - リモートスイッチを接続します

3. **アップデート方法**
   - SK-500 または AC のリモートスイッチに接続します
   - アップデートシェットに接続します

---

**Operating Procedure**

1. Turn on the power switch of the SK-500 CPU with the 
   [SHIFT] button.

2. Within five seconds after the power-on, press the 
   [SHIFT] button three times and the [PLAY] button in this order.

3. The LED displays "U" and the program memory enters the initialization
   state.
3. After opening the (erase.mid) file on the computer, close it.

If you have not correctly recognized the SK-500, it will not be recognized correctly.

4. After erasure is completed, "r" is displayed.

When the test mode is entered, new data can be sent.

5. Continuously play 32 update SMF data items in the order of file numbers.

6. When all data have been sent, "Fin" is displayed.

7. This completes updating.

While update data are being sent or after completion of sending, error messages may be displayed.

Note:
This test mode does not include the USB and MIDI operation tests.
Connect the USB and MIDI cables in the normal operating state to check each operation.

When this state is entered, new data can be sent.

3. The LED of the "PLAY" indicator comes on.

TEST MODE

必要な財材
SK-500 and AC adaptor
Computer Test Cable (P.No.17049906)
Pedal DP-2/6
Headphones or Monitor Speaker, Speaker connection cable

Note:
This test mode does not include the USB and MIDI operation tests.
Connect the USB and MIDI cables in the normal operating state to check each operation.

テストモードに進入する方法
1. Set the changeover switch on the rear of the SK-500 to "Mac".

2. Turn on the power switch of the SK-500 by pressing the [SHIFT] button.

3. The LED of the "PLAY" indicator comes on.

4. Immediately after the SK-500 enters the test mode, the CPU version number is displayed. The "USB" indicator comes on.

500 to "Mac".

6. When all data have been sent, "Fin" is displayed.

Subsequently, within five seconds: 1. Press the [SHIFT] button twice. 2. The [PLAY (+)] button once.

The "USB" indicator comes on.

If the position of the changeover switch is set to other than "Mac", all LEDs come on and go off repeatedly. At that time, reset the position to "Mac".
5. プラグの【PLAY (+)】ボタンを押すと "FUNCTION" のインジケータが点灯します。この時に表示される数値がプログラムの ROM バージョンナンバーです。

Version 1.00 is displayed like this.

6. プラグの【PLAY (+)】ボタンを押すと "PLAY" インジケータが点灯します。この時に表示される数値が USB コントローラの ROM バージョンナンバーです。

Version 1.00 is displayed like this.

7. デバイステスト

Pressing the [PLAY (+)] button performs device self-diagnosis.

If all the devices operate normally, "H" is displayed and each of the "USB", "FUNCTION" and "PLAY" indicators blink.

If a device is not operating, the following error messages are displayed:

1. [Flash ROM (SC2)]
2. [XP Chip (SC2)]
3. [XP DRAM (JC10)]
4. [LSP Chip (JC4)]
5. [LSP DRAM (JC11)]
6. [Wave ROM1 (JC7)]
7. [Wave ROM2 (JC8)]
8. [USB (JC2)]

If the error is displayed, you can proceed to the next test by simultaneously pressing the [FUNCTION (-)] and [PLAY (+)] buttons.

8. LED Test

Pressing the [PLAY (+)] button enters the LED test.

Even if the error is displayed, you can proceed to the next test by simultaneously pressing the [FUNCTION (-)] and [PLAY (+)] buttons.

9. Switch/Wheel/Pedal Test

Pressing the [PLAY (+)] button enters the operation function test.

The first display is as follows:

Execute the following operations (the order of execution is optional):
1. Press the [SHIFT] button.
2. Press the [FUNCTION (-)] button.
3. Press the [PLAY (+)] button.
4. Operate the PITCH wheel fully up and down.
5. Operate the DATA ENTRY wheel fully up and down.
6. Connect the wheel pedal to the PEDAL jack to turn the power on/off.

When all checks are OK, "H" is displayed and each of the "USB", "FUNCTION" and "PLAY" indicators blink.

Even if you have not completed all checks, you can proceed to the next test by simultaneously pressing the [FUNCTION (-)] and [PLAY (+)] buttons.

10. Serial Interface Test

Pressing the [PLAY (+)] button enters the serial interface test.

Even if the error is displayed, you can proceed to the next test by simultaneously pressing the [FUNCTION (-)] and [PLAY (+)] buttons.

8. LED Test

Pressing the [SHIFT] button from this display turns on all LED segments sequentially. When this step is terminated, each of the "USB", "FUNCTION" and "PLAY" indicators blink.

Even if the error is displayed, you can proceed to the next test by simultaneously pressing the [FUNCTION (-)] and [PLAY (+)] buttons.

9. Switch/Wheel/Pedal Test

Pressing the [PLAY (+)] button enters the operation function test.

The first display is as follows:

Execute the following operations (the order of execution is optional):
1. Press the [SHIFT] button.
2. Press the [FUNCTION (-)] button.
3. Press the [PLAY (+)] button.
4. Operate the PITCH wheel fully up and down.
5. Operate the DATA ENTRY wheel fully up and down.
6. Connect the wheel pedal to the PEDAL jack to turn the power on/off.

When all checks are OK, "H" is displayed and each of the "USB", "FUNCTION" and "PLAY" indicators blink.

Even if you have not completed all checks, you can proceed to the next test by simultaneously pressing the [FUNCTION (-)] and [PLAY (+)] buttons.

10. Serial Interface Test

Pressing the [PLAY (+)] button enters the serial interface test.

Even if the error is displayed, you can proceed to the next test by simultaneously pressing the [FUNCTION (-)] and [PLAY (+)] buttons.
1. The display changes in accordance with the position of the changeover switch on the rear (initially, "P3" might have been displayed).

2. Then, the serial input/output check is performed.
   Connect the serial check jig to the serial terminal.
   If correct operation is performed, "o" is displayed in the column on the right.
   Also, each of the "USB", "FUNCTION" and "PLAY" indicators blink.
   Even if you have not completed all checks, you can proceed to the next step by simultaneously pressing the [FUNCTION (-)] and [PLAY (+)] buttons.

11. Sound Test
   Pressing the [PLAY (+)] button enters the sound test.
   Use speakers or headphones to check the sound.

12. Effect Test
   Pressing the [PLAY (+)] button enters the effect test.
   Use speakers and headphones to check the effect.

1. Insertion Effect (Delay)
   Pressing the [SHIFT] button enables you to hear a snare drum sound.
   A delayed sound is heard 1.5 seconds later (the sound is repeated).
   Check the sound volume and quality.

2. System Effect (Delay)
   Pressing the [SHIFT] button enables you to hear a castanets sound.
   A delayed sound is heard 1.5 seconds later (the sound is repeated).
   Check the sound volume and quality.

3. System Effect (Reverbrator)
   Pressing the [SHIFT] button enables you to hear a snare drum sound with deep reverberation.
   A delayed sound is heard 1.5 seconds later (the sound is repeated).
   Check the sound volume and quality.

This completes all the tests.
Turn off the power of the SK-500.