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

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FRONT VIEW PARTS LIST

<table>
<thead>
<tr>
<th>NO.</th>
<th>PART CODE</th>
<th>PART NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>22480260</td>
<td>P-KNOB</td>
<td>MF BLK/LCG</td>
</tr>
<tr>
<td>2</td>
<td>01785212</td>
<td>SWITCH (DIGITAL SW)</td>
<td>9R51G-F0615-1</td>
</tr>
<tr>
<td>3</td>
<td>22480260</td>
<td>P-KNOB</td>
<td>MF BLK/LCG</td>
</tr>
<tr>
<td>4</td>
<td>01785212</td>
<td>SWITCH (DIGITAL SW)</td>
<td>9R51G-F0615-1</td>
</tr>
<tr>
<td>5</td>
<td>22485307</td>
<td>M-KNOB</td>
<td>L BLK 248-307</td>
</tr>
<tr>
<td>6</td>
<td>01787500</td>
<td>ROTARY ENCODER</td>
<td>RK09710L5-0461</td>
</tr>
<tr>
<td>7</td>
<td>01785423</td>
<td>DISPLAY COVER</td>
<td>SLR-35VCT31</td>
</tr>
<tr>
<td>8</td>
<td>00907445</td>
<td>LED (GREEN)</td>
<td>SLR-35VCT31</td>
</tr>
<tr>
<td>9</td>
<td>00451432</td>
<td>LED</td>
<td>SRRS1G-F0615-1</td>
</tr>
<tr>
<td>10</td>
<td>00560745</td>
<td>LED</td>
<td>SLR-35VCT31</td>
</tr>
<tr>
<td>11</td>
<td>13129823</td>
<td>FRONT PANEL ASSY</td>
<td>SPUN19430A</td>
</tr>
</tbody>
</table>

REAR VIEW PARTS LIST

<table>
<thead>
<tr>
<th>NO.</th>
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<th>PART NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>13449720</td>
<td>DC JACK</td>
<td>HEC2305-01-250</td>
</tr>
<tr>
<td>13</td>
<td>2236714</td>
<td>CORD HOOK</td>
<td>RFC2510-01-250</td>
</tr>
<tr>
<td>14</td>
<td>13429273</td>
<td>MIDI CONNECTOR</td>
<td>VIF51-5046 (TRIPRET)</td>
</tr>
<tr>
<td>15</td>
<td>00907445</td>
<td>SLIDE SWITCH</td>
<td>SSS124-5065</td>
</tr>
<tr>
<td>16</td>
<td>13429111</td>
<td>DIN JACK</td>
<td>TCS127-28-401</td>
</tr>
<tr>
<td>17</td>
<td>13449283</td>
<td>6.5MM JACK</td>
<td>HLL7101-01-3010</td>
</tr>
<tr>
<td>18</td>
<td>01785401</td>
<td>BOTTOM CHASSIS</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>7134534</td>
<td>TOP COVER ASSY</td>
<td></td>
</tr>
</tbody>
</table>
### EXPLODED VIEW/分解图

#### [PORTS]

<table>
<thead>
<tr>
<th>NO.</th>
<th>PART CODE</th>
<th>PART NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>22400260</td>
<td>P &amp; KNOB</td>
<td>MF BLK</td>
</tr>
<tr>
<td>2</td>
<td>2245307</td>
<td>M &amp; KNOB</td>
<td>L BLK 248-307</td>
</tr>
<tr>
<td>3</td>
<td>32400595</td>
<td>P &amp; KEY</td>
<td>MX BLK</td>
</tr>
<tr>
<td>4</td>
<td>01785412</td>
<td>FRONT HOLDER</td>
<td>ESD-R-16C</td>
</tr>
<tr>
<td>5</td>
<td>71342189</td>
<td>MAIN BOARD ASSY</td>
<td>(EXG)</td>
</tr>
<tr>
<td>6</td>
<td>71342204</td>
<td>D-SW BOARD ASSY</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>71342190</td>
<td>LED BOARD ASSY</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>01785467</td>
<td>ISOLATOR LED MASK</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>71345534</td>
<td>PWB SPACER RSPS-6L</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>71342190</td>
<td>FRONT PANEL ASSY</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>01785423</td>
<td>DISPLAY COVER</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>01785401</td>
<td>BOTTOM CHASSIS</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>71342178</td>
<td>TOP COVER ASSY</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>01785445</td>
<td>TOP COVER</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>22025583</td>
<td>EXP COVER 202-583</td>
<td></td>
</tr>
</tbody>
</table>

#### [SCREW]

<table>
<thead>
<tr>
<th>NO.</th>
<th>PART CODE</th>
<th>PART NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>40011090</td>
<td>SCREW M3x6</td>
<td>BINDING TAP TITE B BZC</td>
</tr>
<tr>
<td>2</td>
<td>40011445</td>
<td>SCREW M3x6</td>
<td>FLAT TAP TITE B FE BZC</td>
</tr>
<tr>
<td>3</td>
<td>40011056</td>
<td>SCREW M3x6</td>
<td>BINDING TAP TITE B BZC</td>
</tr>
<tr>
<td>4</td>
<td>40011490</td>
<td>SCREW M3x6</td>
<td>PAN MACHINE W/SW BZC</td>
</tr>
<tr>
<td>5</td>
<td>40011312</td>
<td>SCREW M3x6</td>
<td>BINDING P-TITE FE BZC</td>
</tr>
</tbody>
</table>

- This NUT and WASHER are included in the #01789523 9M/M ROTARY POT.
  このナットとワッシャーは、#01789523 9M/M ROTARY POTに含まれます。
- This NUT and WASHER are included in the #01785212 SWITCH (DIGITAL SW).
  このナットとワッシャーは、#01785212 SWITCH (DIGITAL SW)に含まれます。
- This NUT and WASHER are included in the #01785790 ROTARY ENCODER.
  このナットとワッシャーは、#01785790 ROTARY ENCODERに含まれます。
PARTS LIST パーツリスト

Note 1: Completely clean the area around your unit before recycling or disposal. (Keep old batteries packed safely and securely in the original package.)

Note 2: After completing the repair, please reconnect all cables, cords, wires, and accessories. (Keep the area around your unit clean.)

IC プリントリスト

MB → Main Board Assy
VB → VR Board Assy
EB → ENC Board Assy
FB → Jack Board Assy

CASING ケース Q'ty
# 01785423 DISPLAY COVER 1
# 71342178 TOP COVER ASSY 1

CHASSIS シャーシ
# 01785401 BOTTOM CHASSIS 1
# 01785412 FRONT HOLDER 1

KNOB, BUTTON コネクタ, ボタン
# 32490395 P.S.KEY 1
# 22480260 P.R.-KNOB 1
# 22485307 R. L. BLK 1

SWITCH スイッチ
# 13129369 SPENC8393A 1
# 00899223 SSFF24-50661 1
# 01785212 SRIQG-4Q8151-5 (DIGITAL SW) 1

JACK, SOCKET ジャック, ソケット
# 13429273 KTV8150-5046 (TRIPRET) 1
# 14091313 TCSC729-5124 (LSI412) 1
# 13449147 HL73000-1L310 1
# 13449328 HL70101-1L310 1
# 13449290 HEC2250-1L250 1

DISPLAY UNIT 表示ユニット
# 00814253 LB-8037A 1

PCB ASSY 電路板ユニット
# 71342109 MAIN BOARD ASSY 1
# 71342102 D-SW BOARD ASSY 2

CONSIDERATIONS ON PARTS ORDERING
When ordering our parts listed in this parts list, please specify the following items in the order sheet.
- Part No.
- Q'ty
- Remarks

No only listed parts for this unit, so make sure to list all necessary parts accurately.

MB Main Board Assy VB VR Board Assy EB ENC Board Assy FB Jack Board Assy

IC-1010 Feb. 1999
# 01679078 HD63706S4F28 MKT1 1
# 01679078 RA89-002 (XP6) 1
# 01322412 TCS1500F-7LC 1
# 01679556 MN4126BDS76-6E1 1
# 01783445 LS80P8W (MKI) WAVE ROM A 1
# 01679415 LS80P8W (MASK ROM) 1
# 01561945 LH8F16M57T. L70 1
# 01451578 AK4234-VF-E2 1
# 152692108 HD74LS05PlE 1
# 152597270 TC4HC257FATEL 1
# 152597087 TC4HC30TFLATEL 1
# 152597407 TC4HC19FATEL 1
# 15249111 TC7W1304TR(24)EL 1
# 01323645 TC7W128(24)EL2 1
# 15189261 T8055PL1ATEL 1
# 15289105 UPJ-47502-E2 1
# 01679090 UPJZ5ES5U 1
# 0344990 IL7805PL4-1 1
# 0122307 S7-8221L 1
# 15289119 IRC5859Z7T-1 1
# 01689276 LHC737UYB 1

TRANSISTORトランジスタ
# 0121278 2SA1058T-106Q TR3 1
# 0121369 2SC8791-106Q TR1 1
# 15110915 2SC3326-A (TS5B) 1
# 01783612 BN24635EBSL 1
# 15291616 DT814KT14 1

DIODEダイオード
# 15369142 RB55D-T14 1
# 15039142 SS680GIPBRS1A460V 1
# 01121323 DA340U T06 1
# 01128632 R0206-T1 B 1
# 0165678 R7J1M-22R 1
# 0034490 SLR-325VCST1 1
# 0060745 SLR-325VCST1 1

RESISTOR抵抗
# 0141508 EIR53410T1 1
# 15359920 RP101T32212K 1
# 15359914 RP101T68212K 1
# 15359914 RP101T47412K 1
# 01011856 RP101T4701 1
# 01561945 LH8F16M57T. L70 1
# 01561945 LH8F16M57T. L70 1
# 01561945 LH8F16M57T. L70 1
# 01561945 LH8F16M57T. L70 1
# 01561945 LH8F16M57T. L70 1

SAFETY PRECAUTIONS
- Always consult the safety precautions in the owner's manual.
- Only use listed parts for this unit.
- Please carefully check the above items.

Specifications, illustrations, and descriptions in this parts list are subject to change without notice.
| 00567212 | RPC05T 312 J | MTL FILM RESISTOR | on MAIN | 1 |
| 00567245 | RPC05T 472 J | MTL FILM RESISTOR | on MAIN | 1 |
| 00567011 | RPC05T 153 J | MTL FILM RESISTOR | on MAIN | 1 |
| 00567278 | RPC05T 473 J | MTL FILM RESISTOR | on MAIN | 1 |
| 00567556 | RPC05T 105 J | MTL FILM RESISTOR | on MAIN | 1 |

**POTENTIOMETER**

- 01785925: RK0971214 95MM ROTARY POT. VR1 on MAIN 1

**CAPACITOR**

- 15394373: GRM60810K500PT 10 CERAMIC CAPACITOR on MAIN 2
- 1539457B: GRM60812K500PT 10 CERAMIC CAPACITOR on MAIN 2
- 15395202: GRM6F104225PT 10 CERAMIC CAPACITOR on MAIN 2
- 01472412: GRM9C1050PT 10 CERAMIC CAPACITOR on MAIN 2
- 01674213: GRM9C10150PT 10 CERAMIC CAPACITOR on MAIN 2
- 0134951: GRM9C20350PT 10 CERAMIC CAPACITOR on MAIN 2
- 01675367: GRM9C47150PT 10 CERAMIC CAPACITOR on MAIN 2
- 00567978: GRM9N6F0425PT 10 CERAMIC CAPACITOR on MAIN 2
- 01349512: GRM9N6F02150PT 10 CERAMIC CAPACITOR on MAIN 2
- 00567945: GRM9N810K50PT 10 CERAMIC CAPACITOR on MAIN 2
- 15391627MB: ECIK-H271K85 CERAMIC CAPACITOR on MAIN 1
- 01675167: GRM9C10200PT 10 CERAMIC CAPACITOR on MAIN 1
- 15345255MB: ECQ-K1H012JR3 POLYST.CAPACITOR on MAIN 2
- 15345341: ECQ-K1H010K3 POLYST.CAPACITOR on MAIN 2
- 1539522D: GRM9C10100PT 10 CERAMIC CAPACITOR on MAIN 2
- 13693584: SME25V4R7PT CERAMIC CAPACITOR on MAIN 7
- 13693583: SME25V4R7PT CERAMIC CAPACITOR on MAIN 7
- 13693582: SME25V4R7PT CERAMIC CAPACITOR on MAIN 7
- 13693581: SME25V4R7PT CERAMIC CAPACITOR on MAIN 7
- 13693580: SME25V4R7PT CERAMIC CAPACITOR on MAIN 7

**INDUCTOR, COIL, FILTER**

- 01346859: SBC3-331-551 CHOK COIL on MAIN 2
- 00237212: SH-202 CHOKCOIL on MAIN 1
- 12449347: EXC ELDR35V FERRITE-BEAD 1
- 01480834: EXCMLE20A390 FERRITE-BEAD 1
- 01455523: NO212501F10 FERRITE-BEAD 1

**CRYSTAL, RESONATOR**

- 0090912: MA-406 24370MH2TE24 CRYSTAL X1 on MAIN 1
- 01126267: MA-406 7.056MHZ CRYSTAL X2 on MAIN 1

**Contents of CD-ROM**

- SoundDriver JV/XP
- MIDI Driver
- JV/1010 Reference Manual
- License Agreement
- MIDI Cable
- RS-232 Cable
- CD-ROM (EXP ONLY) SOUND EDITOR+JV-1010 MANUAL ( Other )
- CD-ROM (EXP ONLY) SOUND EDITOR+JV-1010 MANUAL ( Other )
- CD-ROM (EXP ONLY) SOUND EDITOR+JV-1010 MANUAL ( Other )

**MISCELLANEOUS**

- 12569249: LITHIUM BATTERY 2CR2032 100MAH 100MAH 1
- 2236714: CORD HOOK 236-714 1
- 01785467: ISOLATOR LED MASK 1
- 01785934: PWJ SPACER RSP3-6L 1
- 12189815: BATTERY HOLDER 10X-12 1
- 01899790: OUTER PACKING CASE OUTER 1

**ACCESSORIES (STANDARD)**

- 00905756: ADAPTOR 100V 1
- 00905767: AC ADAPTOR 100V 1
- 01018312: AC ADAPTOR 100V 1
- 01479028: AC ADAPTOR 100V 1
- 1249549: AC ADAPTOR 100V 1
- 00564612: FOOT 1
- 01786823: CD-ROM (EXP ONLY) SOUND EDITOR+JV-1010 MANUAL ( Other )
- 01796823: CD-ROM (EXP ONLY) SOUND EDITOR+JV-1010 MANUAL ( Other )
- 01796823: CD-ROM (EXP ONLY) SOUND EDITOR+JV-1010 MANUAL ( Other )
- 23485228: MIDI CABLE 234-282 1M (BLACK) 1
- 00098323: ORIGINAL CONNECT CORD RCA PIN 1.0 ADAPT 1
- 71450107: OWNER'S MANUAL JAPANESE 1
- 71450108: OWNER'S MANUAL 1
- 4025334: 保養書セット 1

**ACCESSORIES (STANDARD)**

- 01785925: RK0971214 95MM ROTARY POT. VR1 on MAIN 1

**ENCODER**

- 01785925: RK0971214 95MM ROTARY ENCODER 1

**CONNECTOR**

- 13369966: CONNECTOR CN1,2 on MAIN 2
- 13369967: CONNECTOR CN1 on MAIN 1
- 13369975: CONNECTOR CN1 on MAIN 2
- 13369976: CONNECTOR CN1 on MAIN 1

**SCREW**

- 00910106: SCREW M3X5 1
- 00910105: SCREW M3X5 1
- 00910104: SCREW M3X5 1
- 00910103: SCREW M3X5 1
- 00910102: SCREW M3X5 1
- 00910101: SCREW M3X5 1

**PACKING**

- 00910106: ADAPTOR PAD 1
- 00910105: ADAPTOR PAD 1
- 00910104: ADAPTOR PAD 1
- 00910103: ADAPTOR PAD 1

**SCREW**

- 00910102: SCREW M3X5 1
- 00910101: SCREW M3X5 1

**PACKING**

- 00910100: ADAPTOR PAD 1
- 00910099: ADAPTOR PAD 1
- 00910098: ADAPTOR PAD 1

**PACKING**

- 00910097: ADAPTOR PAD 1
Updating the program memory software version

JV-1010 user the FLASH MEMORY. These ROMs can be update the program by transferring the data in upgrading disk (SMF format), through MIDI.

Required Items
- JV-1010 Version Up Disk Set (Pno. 17048955) (The Version up disk contains the JV-1010 program converted into SMF data. Obtain the latest version from the service center.)
- Sequencer (Anything that will play back SMF will do.)
- MIDI cable

Update procedure
1. Connect MIDI OUT of the Sequencer with MIDI IN of the JV-1010.
2. Rotate [PART] to select 14, rotate [CATEGORY] to select GUITAR/BASS. Turn the power on while holding down [VOLUME][VALUE]. (Wait three seconds)

FACTORY RESET

(1) Turn on the power.
(2) Press [VALUE] to select except PATCH MODE (PERFORM, RHYTHM, GM).
(3) Hold on to press [VOLUME], press the [VALUE].
(4) Rotate [CATEGORY/BANK] to select PIANO/Factory Reset.
   Display show as follows
   ![Factory Reset Display]

   ![Factory Reset Page]

(6) Press [VALUE]. Factory Reset operation will be carried out.
   ![Factory Reset Success]

ファクトリー・リセット
電源を投入します。
新品の状態で使用するため、バッチ・モードに変更した外のモードに戻すために切り替えます。
後で再び希望するモードに切り替えます。
ディスプレイには次のように表示されます。

Display show as follows

ファクトリー・リセットの画面に入ります

ファクトリー・リセットが実行されます。
When you enter Update mode, display shows following.

When you execute test mode, the various parameters will be given special settings.

When you enter Test Mode, 7seg LED Test runs automatically.

When you enter Update mode, display shows following.

4. Check to see that display shows as described above and then playback the SMF data.

When the update procedure is in normal operation, MIDI LED will blink.
The file names are as follows.

000001.mid
000002.mid
|
0000##.mid

5. After the all files has been played, Turn the power off.
Update procedure is complete.
After executing update procedure, be perform the Factory Reset.

evityするもの

- MIDI Cable ×1
- モニタースピーカー(MA-12等) ×2
- コンピュータートストケーブル 1704906 ×1
- エクスパンションボード ×1

Entering the TEST MODE
Connect the Monitor Speaker to the OUTPUT of the JV-1010.
Set the Rear select SW to Mac.
Rotate [PART] to select 15, rotate [CATEGORY] to select KEY&ORGAN.
Turn the power on while holding down [VOLUME](Wait three seconds).

When you enter TEST MODE, 7seg LED Test runs automatically.

To exit the Test Mode
Turn the power off.

Test Item
The JV-1010 has the following 8 items.
Rotate [CATEGORY] to select test item.

テストモード

注意：
テストモードを実行すると各種設定が特殊な設定になります。
テストモードを実行した後、ファクトリーレセットを行ってください。

用意するもの

- MIDIケーブル ×1
- モニタースピーカー( MA-12等) ×2
- コンピュータートストケーブル 1704906 ×1
- エクスパンションボード ×1

テストモードの入り方

テストモードの抜け方

テスト項目

テストモードの各項目はカテゴリー5Wを問って選択します。
Troubleshooting for Memory and Battery Test

When you press [VALUE], Expansion Board Test runs automatically. You can check the following display appears.

<table>
<thead>
<tr>
<th>Result of Test</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 1</td>
<td>IC1</td>
</tr>
<tr>
<td>E 2</td>
<td>IC14 or 35</td>
</tr>
<tr>
<td>E 3</td>
<td>IC4</td>
</tr>
<tr>
<td>E 4</td>
<td>IC2</td>
</tr>
<tr>
<td>E 5</td>
<td>IC3 or 5</td>
</tr>
<tr>
<td>E 6</td>
<td>Battery (CR2032) BT1, IC34</td>
</tr>
</tbody>
</table>

Troubleshooting for Expansion Board Test

When you press [VALUE], Expansion Board Test runs automatically. You can check the following display appears.

<table>
<thead>
<tr>
<th>Result of Test</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>E P</td>
<td>OK</td>
</tr>
<tr>
<td>E P</td>
<td>20</td>
</tr>
</tbody>
</table>

Troubleshooting for 7-seg LED Test

7segLED displays “8.” in order of left, center and right.

<table>
<thead>
<tr>
<th>Result of Test</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not lit</td>
<td>LED1, Q5 to 16</td>
</tr>
</tbody>
</table>

1: Identifying the Program Version

The 7-seg LED shows the version number.

<table>
<thead>
<tr>
<th>Result of Test</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>LED1, Q5 to 16</td>
</tr>
</tbody>
</table>

2: Memory and Battery Test

When you press [VALUE], Memory and Battery Test runs automatically. You can check the following display appears.

<table>
<thead>
<tr>
<th>Result of Test</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 1</td>
<td>IC1</td>
</tr>
<tr>
<td>E 2</td>
<td>IC14 or 35</td>
</tr>
<tr>
<td>E 3</td>
<td>IC4</td>
</tr>
<tr>
<td>E 4</td>
<td>IC2</td>
</tr>
<tr>
<td>E 5</td>
<td>IC3 or 5</td>
</tr>
<tr>
<td>E 6</td>
<td>Battery (CR2032) BT1, IC34</td>
</tr>
</tbody>
</table>

3: Expansion Board Test

When you press [VALUE], Expansion Board Test runs automatically. You can check the following display appears.
4: MIDI Test
The following display will appear.

Make a loop with MIDI cable that connects MIDI IN and MIDI OUT.
When MIDI cable is connected, MIDI indicator lights.

Troubleshooting for MIDI Test

Result of Test テストの結果
MIDI indicator does not lit. IC30, IC31, IC1

5: Computer I/F Test
To perform the Serial Test in Test mode, the "COMPUTER Test cable" is needed.
Please place an order for this cable with your Local Roland Service when necessary.
When you Switch the Rear select SW in any order, Correspondence LED will light.

Switches LED
Mac GM
PC-1 RHYTHM
PC-2 PERFORM
MIDI PATCH

Set the selector switch on the rear panel to "mac"
Check the waveform (MHz) is observed with the oscilloscope.

Set the selector switch on the rear panel to "PC-1" or "PC-2"
Check the 7-seg LED still display, even though you turn on a switch of the COMPUTER test cable.

6: Sound Check
When sound test starts, at first sound output from L ch of OUTPUT and Headphone.
Every time press the [VALUE], output channel is switched.

[VALUE] OUTPUT/L sine wave サイン波

[VALUE] OUTPUT/L&R sine wave サイン波

7: Encoder Test
Check that the display of 7-seg LED changes by rotating the encoder clockwise and counterclockwise.

Troubleshooting for Encoder Test

Result of Test テストの結果
No response Switches on the LCD where the on key does not.

Check 預查項目
IC29, IC32

No response Switches on the LCD where the on key does not.

Switches LED
Mac GM
PC-1 RHYTHM
PC-2 PERFORM
MIDI PATCH

Set the selector switch on the rear panel to "mac"
Check the waveform (MHz) is observed with the oscilloscope.

Set the selector switch on the rear panel to "PC-1" or "PC-2"
Check the 7-seg LED still display, even though you turn on a switch of the COMPUTER test cable.

また、テストケーブルの+の+を切り替えても表示が変わらないことを確認して下さい。
8: DIGITAL-SW Test
Check that the following display appears by rotating the [PART] clockwise.

Check that the following display appears by rotating the [CATEGORY] clockwise.

DEMO to GUITAR/BASS Invalid

KEY&ORGAN

PIANO

USER

Session

PRESET-A

PIANO

USER

(Sound of Bell output) (ベルの音が鳴ります)

Troubleshooting for DIGITAL-SW Test

<table>
<thead>
<tr>
<th>Result of Test/テストの結果</th>
<th>Check/チェック項目</th>
</tr>
</thead>
<tbody>
<tr>
<td>No response SW / SWに応答しない</td>
<td>SW3, IC10</td>
</tr>
</tbody>
</table>
Error messages

- (Battery Low)

Situation: The internal backup battery has run down.
Action: Contact a nearby qualified Roland service personnel.

- (MIDI Buffer Full)

Situation: More MIDI data was received in a short time than could be processed.
Action: Reduce the amount of MIDI data that is being transmitted.

- (MIDI Check Sum Error)

Situation: Exclusive data was not received correctly. It is possible that Check Sum value was incorrect.
Action: Check the value of the Check Sum. If it is incorrect, correct the value and re-do the operation.

- (MIDI Communication Error)

Situation: It is possible that a MIDI cable has been pulled out or broken.
Action: Check the MIDI cables.

- (Receive Data Error)

Situation: A MIDI message could not be received correctly.
Action: If this message appears repeatedly, there is a problem with the content of the MIDI messages.

- (User Memory Damaged)

Situation: The data in the USER group has been damaged.
Action: Perform the Factory Reset operation.

- (No Patch)

Situation: You have selected EXP-B without using the Expansion Board (Using MIDI).
Action: Connect the Expansion Board to increase the maximum number of sounds.

- (- - -)

Situation: You have selected EXP-C without using the Expansion Board.
Action: Connect the Expansion Board to increase the maximum number of sounds.
CIRCUIT DIAGRAM 国路図 1/1

Change information

There are following parts on the Main Board Assy:
- IC101, SW10, CN20

There are not following parts on the Main Board Assy:
- R355, R356

Noise Reduction: 201002-201016

Serial No.
ZM10100~ZM10199
HD64F7017
HD6437016EAF
CIRCUIT BOARD 基板図（フィルム）

view from component side.