## PARTS LIST / パーツリスト

### SAFETY PRECAUTION:
The parts marked ∆ have safety-related characteristics. Use only listed parts for replacement.

### CONSIDERATIONS ON PARTS ORDERING:
- When ordering any parts listed in the parts list, please specify the following items in the order sheet:
  - QTV
  - PART NUMBER
  - DESCRIPTION
  - MODEL NUMBER

For detailed technical specifications, refer to the device's instruction manual.

### KNOWN BUTTONS / タッチパネル:

- 22470820 Round Knob
- 13197107 JMN-0404
- 13449104 SG-7713
- 13449105 HLC0544-012-00
- 13464971 HEC546701-0120

### FOR USE / 用

- Main Board Assy (PWB 07085210) 本体アセンブリ
- Jack Assy (PWB 2282760700) ジャックアセンブリ
- LED Assy (PWB 0708520400) ボードアセンブリ

### MISCELLANEOUS / その他

- Pedal Guide Bush
- Battery Connector
- Cisilion
- Crong
- Pedal
- PS-3 Bottom Caution
- PS-3 Insulation Spreader
- DS2 Shield Sheet
- Polyole Pipe 3.4×0.4
- RV-2 Earth Lug
- PSA Caution

### ACCESSORIES / 補充品

- DDR MODE Seal
- DDR Manual (English)
- DDR Manual (Japanese)
- Battery 606P 9V Alkaline

### TRANSISTOR / トランジスタ

<table>
<thead>
<tr>
<th>Transistor</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>15129938</td>
<td>2SC2459GR</td>
<td>Q1</td>
</tr>
<tr>
<td>152291001T0</td>
<td>2SC6809GTE5SR</td>
<td>Q4</td>
</tr>
<tr>
<td>152291010</td>
<td>2SA1245GTE5SR</td>
<td>Q7, Q8</td>
</tr>
<tr>
<td>152291021</td>
<td>RN1107T65SR</td>
<td>Q6</td>
</tr>
</tbody>
</table>

### POTENTIOMETER / ポテンショメータ

- 007625543 R0K97110-10KB | INPUT |
- 13296897 R0K97110-50KB | OUTPUT (MONO), PANNING OUT |
- 00747567 R0K97110-11CLOCK 50KB | MODE |

### LED / レッド

- LED1
- D1
- D2
- D3, D7, D8, D9

### CRYSTAL RESONATOR / クリスタル, 振動子

- MA-96 25,600KHz | Xtal |
- CST4000CU | Cera rock |

### WIRING / インテルケーブル・ケーブル

- FLAT CABLE | SP |

### SCREW / キャップ

- INSELOK TIE T-18S
- NYRON WASHER 3×6×0.5
- THUMB SCREW 6×8 BLACK
- BENDING TAPPING 3×6 B1 Fe/C
- BENDING TAPPING 3×6 B1 Fe/Cn
- BENDING MACHINE 3×10 Fe/C
- JACK NUT 9×12×2 FeNi
- JACK SPACER AL
- INTERNAL TOOTH WASHER 9.1×13
- JACK WASHER 9.1×14×0.5 FeNi
- THICK JACK WASHER 9.2×14×1.6 Al

### NOTE:
The parts marked # are new (initial parts)
## TEST MODE

### REQUIRED ITEMS

- Foot switch (FS-SU etc.)

### PREPARATION

- Press the foot switch (FS-SU etc.)

<table>
<thead>
<tr>
<th>No.</th>
<th>VR Position of Tested Effectors</th>
<th>CHECK POINT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image1" alt="Image" /></td>
<td>Set the VR position as shown in the figure at left. While depressing the pedal, connect the AC plug to the adapter jack. Check that the LED is on. Left rotate the VR to set the position. The LED lights up. The LED lights up if the LED is on.</td>
</tr>
<tr>
<td>2</td>
<td><img src="image2" alt="Image" /></td>
<td>Turn MODE VR counterclockwise and check that the LED repeatedly turns on and off. Check that the LED is on when MODE is set to &quot;1&quot;. MODE VR to the right to turn the LED off. LED lights up when MODE is set to &quot;1&quot;.</td>
</tr>
<tr>
<td>3</td>
<td><img src="image3" alt="Image" /></td>
<td>Connect the foot switch (FS-SU etc.) to the TEMPO jack. Depress the pedal once and check that the LED turns off. Depress the foot switch and check that the LED lights up. Depress the foot switch again and check that the LED turns off.</td>
</tr>
<tr>
<td>4</td>
<td><img src="image4" alt="Image" /></td>
<td>Connect the audio oscillator to the INPUT jack. Connect the oscilloscope to the OUTPUT jack and also to the PANNING OUT jack. At this point, check that the output waveform shown below is obtained.</td>
</tr>
</tbody>
</table>

### MODE CHECK

<table>
<thead>
<tr>
<th>No.</th>
<th>VR Position of Tested Effectors</th>
<th>CHECK POINT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td><img src="image5" alt="Image" /></td>
<td>Set F. BACK VOL, at the MINI position. Set D. TIME VOL, at the MINI position. Turn MODE VR to set MODE to &quot;7&quot;. Check that the LED turns off. Turn MODE VR to set MODE to &quot;7&quot;. Set E. LEVEL VR, at the MINI position. Check that the LED lights up. At this point, check that the output waveform shown below is obtained.</td>
</tr>
<tr>
<td>6</td>
<td><img src="image6" alt="Image" /></td>
<td>F. BACK VOL to MINI. D. TIME VOL to MINI. MODE VR to set MODE to &quot;7&quot;. MODE VR to set MODE to &quot;7&quot;. MODE VR to MINI. LED lights up. At this point, check that the output waveform shown below is obtained.</td>
</tr>
</tbody>
</table>

**OUTPUT (MONO)**

**PANNING OUT**

(RANGE: 1mS/DIV, 0.2V/DIV)