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### SPECIFICATIONS/仕様

- **JV-1000 / Music Workstation / ジュラック・ワークステーション**
  - **[Synthesizer Part / サイナサイザー部]**
    - **Keyboard / キーボード**: 76鍵盤(5つ全開/6つ半開/7つ半開/8つ全開/9つ全開)
    - **Cymbal / セイデン**: フリー/固定
    - **Drum / ドラム**: 128音
    - **Mega Bass / メガベース**: 8音
    - **Singer / シンガ**: 16音
    - **Card / カード**: 16音
  - **Connectors / コネクタ**: ベース/トラック
    - **Card / カード**: 16音
  - **Memory (DATA Card) / メモリ**: 500Mbit
  - **Options / オプション**: メモリ/SDカード

*Printed in Japan (AGED) (CR) 1*
LOCATION OF CONTROLS/
パネル配置図

DS-Keypad (with LED window)
MD4H BLK (22495727)
MD1H BLK (22495777)
TACT SWITCH EVQ21305R (13169752)

JV-90 DISPLAY COVER (22045266)
LCD UNIT LM402804 (15029530)
TACT SWITCH EVQ21305R (13169752)

DS-Keypad MX4H BLK (22495271)
TACT SWITCH with LED
SKHQFM Green (13119708)

DS-Button (22495635)
TACT SWITCH with LED

DS-Button (22495635)
TACT SWITCH with LED
SKHQFM Orange (13119710)

DS-Keypad MD4H BLK (with LED window)
(22495272)
TACT SWITCH EVQ21305R (13169752)

DISPLAY COVER (22065526)
ENCODER KNOB
DR-KNOB BLK (22485300)

Slide VR RS30111 10KB
(13339484)
POT-DUST COVER L30 B
(22249580)
DS-ESCT S2H BLK
(22248571)
DS-KNOB S BLK/LCG
(22485295)

MUSIC WORKSTATION
JV-1000

PATCH GROUP

TRACK SELECT

DS-Buttons (22495635)
TACT SWITCH with LED
SKHQFM Orange
(13119710)

DS-Keypad (with LED window)
MD4H BLK (22495276)
MD1H BLK (22495277)
TACT SWITCH
EVQ21305R (13169752)

DS-Keypad
MX4H BLK (22495276)
MX2H BLK (22495273)
MX1H BLK (22495274)
TACT SWITCH EVQ21305R (13169752)
PARTS LIST/パーツリスト

BENDER UNIT/ベンダーユニット

BENDER UNIT PS-10156

NOTE: Replacement LCD Unit should be made on a unit basis. No replacement available for individual parts. Replacement only by a unit.

NOTE: JOC LCD Panel, 供給可能または供給不可です。

_rl

PB-57A/オペレーターボード

PIMAG-SEP-2001

KEYBOARD/キーボード部品

6S302000O0 SK-6715-5

NOTE: See “SK-6715-5 PARTS LIST” for details.

PCB ASSY/パネル ASSY

NOTE: Bus Board Assy can be used only at any voltage of 100V, 115V and 240V.

CAPACITOR/コンデンサー

RESISTOR/抵抗

ROTARY ENCODER/ポジショニングエンコーダー

INDUCTOR, COIL FILTER/インダクター、コイル、フィルタ

CRYSTAL, RESONATOR/クリスタル、オシレータ

OPTICAL DEVICE/光学部品

CONNECTOR/コネクタ
KEYBOARD PARTS LIST/鍵盤パーツリスト  SK-876-B

<table>
<thead>
<tr>
<th>NO.</th>
<th>Parts No.</th>
<th>Parts Name</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>22573441W0</td>
<td>SK-8 Natural Key C/F</td>
<td>(weight)</td>
</tr>
<tr>
<td>2</td>
<td>22573442W0</td>
<td>SK-8 Natural Key E/F</td>
<td>(weight)</td>
</tr>
<tr>
<td>3</td>
<td>22573443W0</td>
<td>SK-8 Natural Key G</td>
<td>(weight)</td>
</tr>
<tr>
<td>4</td>
<td>22573445W0</td>
<td>SK-8 Natural Key A</td>
<td>(weight)</td>
</tr>
<tr>
<td>5</td>
<td>22573446W0</td>
<td>SK-8 Natural Key C/B</td>
<td>(weight)</td>
</tr>
<tr>
<td>6</td>
<td>22573449W0</td>
<td>SK-8 Natural Key D</td>
<td>(weight)</td>
</tr>
<tr>
<td>7</td>
<td>22573452W0</td>
<td>SK-8 Natural Key G/B</td>
<td>(weight)</td>
</tr>
<tr>
<td>8</td>
<td>22573453W0</td>
<td>SK-8 Natural Key D/B</td>
<td>(weight)</td>
</tr>
</tbody>
</table>

**TRANSFORMER**
Power Transformer 2245570334 Universal

**AC INLET/ACコンセント**
- 23467040 INLET I.L-2 5A/250V 2P
- 23467041 INLET I.L-6 10A/125V 2P/200

**BATTERY/電池**
- 1059694450D CR2025 1.5V

**SCREWS/ネジ**
- 4mm binding Head B wire BC
- 4mm binding Head B wire Cm
- 4mm binding Head B wire Cm
- 4mm Pan Head Pire Cm
- 4mm Pan Head Pire Cm (with flat USS Washer)
- 4mm Pan Head Pire Cm BC
- 4mm Binding Head Tapping B1 Cm
- 4mm Binding Head Tapping B1 Cm
- M3 x 6mm screws machine screw BC
- M3 x 6mm screws machine screw Cm

**MISCELLANEOUS/その他の**
- 22250002 SHIELD SHEET A
- 22250005 SHIELD SHEET B
- 22250051 POT DUST COVER L55-5
- 22250052 POT DUST COVER L30-8

**ACCESSORIES/消耗品**
- Owner's Manual Set Domestic (Japanese)
- Owner's Manual Set Export (English)
- 13496201 AC CORD SET DC-501 J01 (100V)
- 13496202 AC CORD ST SLPF18 ARW200P UC713 (110V)
- 13496203 AC CORD ST 230V EC-S11-E07 (230V)
- 13496203 AC CORD ST 230V (240V)
- 13496202 AC CORD ST 240V SC-470-J00 (240A)

**OPTIONS/オプション**
- Voice Expansion Board
- Voice Expansion Board
- Memory Card M105E
- (Battery for Memory Card CR2025 Plus 13959374)
- Sound PCM Card
KEYBOARD DISASSEMBLY/鍵盤分解手順

1. ATTACHING THE PCBs

1. 基板の取り付け方

Required Parts/必要部品

<table>
<thead>
<tr>
<th>PARTS No.</th>
<th>PARTS NAME</th>
<th>数量</th>
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<tbody>
<tr>
<td>7625022001</td>
<td>SK-876-A PCB 32P LOW ASSY</td>
<td>1</td>
</tr>
<tr>
<td>7630221000</td>
<td>SK-876-B PCB 32P MID ASSY</td>
<td>1</td>
</tr>
<tr>
<td>7630222000</td>
<td>SK-876-B PCB 12P HI ASSY</td>
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</tr>
<tr>
<td>22185251</td>
<td>SK-8 RUBBER SWITCH 12P</td>
<td>4</td>
</tr>
<tr>
<td>22185254</td>
<td>SK-8 RUBBER SWITCH 13P</td>
<td>1</td>
</tr>
<tr>
<td>22185259</td>
<td>SK-8 RUBBER SWITCH 8PL</td>
<td>1</td>
</tr>
<tr>
<td>22185251</td>
<td>SK-8 RUBBER SWITCH 2PH</td>
<td>1</td>
</tr>
<tr>
<td>22205597</td>
<td>SK-8 PCB SPACER 12P</td>
<td>1</td>
</tr>
<tr>
<td>22205596</td>
<td>SK-8 PCB SPACER 8PL</td>
<td>1</td>
</tr>
<tr>
<td>22205595</td>
<td>SK-8 PCB SPACER 7PH</td>
<td>1</td>
</tr>
<tr>
<td><strong>TAP TITE SCREWS B-TITE 3x10 BIND</strong></td>
<td></td>
<td>32</td>
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1) First, turn the chassis over on the other side, being careful not to reverse the right and left ends.

Nest, as shown in fig. 1, place SPACER 8PL (1 piece) and SPACER 12P (4 pieces) on the chassis from the left end (the bass side of keyboard), aligning them with the positioning holes provided on the chassis.

(Refer to fig. 2.)

In the same way, place SPACER 13P on the right side of the chassis (the treble side).

2) Next, aligning the positioning bosses of RUBBER SWITCH with the circular holes of SPACER, and as done for the spacer, place one RUBBER SWITCH 8PL, four RUBBER SWITCH 12P, one RUBBER SWITCH 13P, and one RUBBER SWITCH in order, starting on the lower tone side.

In this procedure, make sure that RUBBER SWITCH and SPACER are positioned with their cutout parts and air escape grooves aligned, respectively.

(Refer to fig. 3 and fig. 4.)

3) Next, using the cutout part of PCB and the projecting part of SPACER as positioning guide, place PCB so that the positioning pin of SPACER fits into the positioning hole of PCB. (Refer to fig. 5.)

As fig. 6 shows, PCBs consist of three boards, "LOW", "MID" and "HI".

4) Next, the PCBの丸穴部にRUBBER SWITCHのポア位置を決定して、SPACERと同様に低音側より順にRUBBER SWITCH 12P, RUBBER SWITCH 8PL, RUBBER SWITCH 13P, RUBBER SWITCH 7PHと組み合わせています。この際、RUBBER SWITCHとSPACERの角切り欠き部、及び高音側の位置が合うように注意してください。（fig. 3, fig. 4参照のこと）
TEST MODE（テストモード）
（Synthesizer Section/シンセサイザーセクション）

NOTE: When executing the test mode, the data of internal RAM will not be lost.

Test Items
The following eight test are available for the JV-1000. Refer to the each Test Item for details.

1. A/D Test (1)  ----------------------------------------------- NUMBER 1
2. A/D Test (2)  ----------------------------------------------- NUMBER 2
3. LCD Test   ----------------------------------------------- NUMBER 3
4. Button Test  ----------------------------------------------- NUMBER 4
5. MIDI Test   ----------------------------------------------- NUMBER 5
6. Card & Expansion Board Test  ----------------------------------------------- NUMBER 6
7. Sound & Key Test  ----------------------------------------------- NUMBER 7
8. Memory Check  ----------------------------------------------- NUMBER 8

NOTE: Each test item corresponds to the numerical key from [1] to [8]. To execute the test, press the corresponding numerical key.
Refer to the following table about the other switch operation in the Test Mode.

- Moves to next test items.
  - 次のテストモードに移動。
- Moves to previous test items.
  - 前のテストモードに移動。
- Directly selects test items 1.
  - テスト項目 1. に移動。

Exit test item or Test mode. Exception: To exit the switch test, press and hold the ENTER button and then press the EXIT button.
各テスト項目が選択できる状態に戻るか、または、テスト・モードを終了する。ただしSWITCHテストを除くと、ENTERを押ししながらEXITを押し

To enter the test mode
Power on while pressing WRITE button and NUMBER 1 button.

To exit the test mode
When selects the each test items, press the EXIT button.

To test the mode
WRITINGボタン、NUMBER 1ボタン、NUMBER 8ボタンを押しながら電源を入れて下さい。

To exit the test mode
各テスト項目が選択できる状態で、EXITボタンを押します。
A/D TEST (2)

Press "TEST" button, then display the Fig.2 on LCD.

【TEST】モードを表示する。
1. "TEST"モード入力表示

- Bender test -

Tilt Bender Lever to the right.
ベーダーレバーを右に傾けていく。

NO

Such "BENDER" count increases "00" to over "1207".
ベーダーレバーの値が増加し "00" から "1207" 以上に

YES

Tilt Bender Lever to the left.
ベーダーレバーを左に傾けていく。

NO

Check: Bender Unit

- modulation test -

Turn Bender Lever to MODULATION.
ベーダーレバーをモジュレーションに回してい

NO

"WRT" count increases from "00" to "107".
"WRT"カウントが "00" から "107" 以上に増加するか

YES

"WRT" count in "10" with the lever released.
レバーを離すと "10" に増加するか

NO

YES

Check: Bender Unit

- volume pedal test -

Connect volume pedal (SV-6) into "REEL 1/2/3/4" jack.
REEL 1/2/3/4用のビックレバーを

NO

Press the volume pedal.
ビックレバーを押してみる。

YES

"OL" displayed?
"OL"表示されるか

NO

YES

Check: Bender Unit

- CI test -

Release the CI slider from 'OFF' to 'ON'.
CIスライダーを "OFF" から "ON" に

NO

YES

Check: Bender Unit

- RAW card battery test -

Insert memory card on "DATA CARD" slot.
メモリカードを "DATA CARD" ソケットに

NO

YES

Check: RAW Card

- after touch test -

Press any key firmly.
任意のキーを強く押してみると

NO

"WRT" count increases from "00" to "107".
"WRT"カウントが "00" から "107" 以上に

YES

"WRT" count is "10" with the key released?
キーを離すと "10" に増加するか

NO

YES

Check: Bender Unit

- internal battery test -

Check: Main Board ICB1, ICB2

"OL" displayed?
"OL"表示されるか

NO

YES

Check: Main Board ICB1, ICB2

After touch test is complete.
テストは完成です。
JV-1000 contains a test program to perform the following tests.
1. Identifying revision of the test program and ROM firmware
2. Testing RAM
3. Testing metronome
4. Testing switches
5. Testing LEDs
6. Testing LCD
7. Testing FSK
8. Testing disk

1. Startup of Test Program and Version Identification
Insert the test disk into the drive and then turn on power. The LCD will show the test program initial screen with the revision of the test program at the left side of low row and ROM revision at the right side. Then the LCD moves to the next display screen, prompting for entering the first test item, RAM test.

2. RAM Test
Pressing the [ENTER] key, when the prompt shown below is displayed, starts the RAM test. The LCD shows "Now RAM checking...".

When the test was successful, the display shows an OK and moves to the next test prompt screen. If the test failed, ERROR.
3.メトロノーム・チェック
下に示す表示の状態で ENTER を押します。

メトロノームが高いピッチで鳴ります。

メトロノームが低いピッチで鳴ります。

The metronome sounds at a high pitch, and so on for 4 cycles. And the display moves to the next test entry screen. (To alternate high and low pitch beeps, press a key other than ENTER. To exit the test, press ENTER four times as normal test procedure.) While metronome is sounding, 1) verify the volume change by turning METRONOME LEVEL on the rear panel.

4.スイッチ・チェック
下に示す表示の状態で ENTER を押します。

エンドコーダーを、右に回す。

NG

Display shows OK when the test succeeded, NG if failed. And moves to the next test prompt.

Turn the encoder counterclockwise.

NG

Display shows OK when the test succeeded, NG if failed. And moves to the next test prompt.

Press arrow ▼ key.

NG

Display shows OK when the test succeeded, NG if failed. And moves to the next test prompt.

In the similar way, press the switch as the prompt indicates.

Plug the pedal into the START/STOP socket and press the pedal.

Display shows OK when the test succeeded, NG if failed. And moves to the next test prompt.

Shifts the pedal to PUNCH IN/OUT socket and press the pedal.

Display shows OK when the test succeeded, and then moves to the next test prompt, or shows NG if failed and returns back to the previous error step.

正常ならOK, 異常ならNGと表示して次のスイッチのチェックに表示が変わります。

NG

正常ならOKと表示して次のチェック項目に表示が変わります。異常ならNGと表示してはじめの表示に変わります。

5. LED Test
下に示す表示の状態で ENTER を押す。

LEDチェック

Verify the beat indicator lights red, and then press ENTER.

In the same way, verify lighting LED shown to the left of the prompt and press ENTER.

Verify lighting green beat indicator and then press ENTER.

Verify that all the LEDs (except DISK LED) are lighting (beat indicator LED lights in red) and then press ENTER. The display will move to the next test prompt screen.

全てのLEDが点灯(ビートインジケーターは赤)しているのを確認する。ENTERを押すと次のチェック項目の表示に戻ります。尚、このLEDチェックではDISKのLEDは点しない。
6. LCD Test
Press [ENTER] when the display as shown below appears.

Verify all the dots on the LCD are off, and then press [ENTER].

Verify all the dots are on, and then press [ENTER]. The display will show the next test item.

7. FSK Test
Press ENTER when the display as shown below appears.

Connect an oscilloscope to FSK OUT socket. Verify the pilot tone as shown below and then press [ENTER].

Verify that the FSK signal as shown below is coming from FSK OUT, and then press ENTER.

Connect FSK IN to the FSK OUT of another MC-50. Play the song, data, recorded with SUPER-MRC system, of the another MC-50 on the internal clock.

Display shows RECEIVED when the test succeeded, and moves to the next test item screen. Display will show nothing if the test failed. Press [ABORT] and the display shows ABORT and then returns back to either the first FSK test entry display or previous test step display where an error occurred.

8. DISK Test
Press [ENTER] when the display as shown below appears.

Load a working disk (blank disk) into the disk drive and press [ENTER].

The display shows OK, and then the ending sign when the test succeeded, or shows an error message and returns back to the ENTER DISK screen. This working disk is useful for the next time when the test succeeded, but it is useless if the test failed.

ERROR MESSAGE DESCRIPTION

IC10 TRACK 00 pin is locked at high level.

No disk is inserted, or the READY pin of the disk drive is locked at high level.

Insert disk is write protected, or IC10 WPRT pin is locked at high level.

The disk is destroyed or cannot be formatted.

IC10 DRQ output is not fed to MPU.

Although the hardware does not detect any fault, read/write data are destroyed.

Write track failed.
DATA SAVE/LOADデータのセーブ/ロード

1. Use the Memory Card (M256E).
   NOTE: To stop operation halfway, press the EXIT button. Every time the button is pressed, the screen returns to the preceding one.

   a) How to save all the data in the internal memory onto a Memory card.
   [1] Connect a Memory Card to the card slot (DATA CARD).
   [2] Set the protect switch on the Memory Card to the OFF position.
   [3] By pressing [WRITE] in any mode, the following screen is displayed.

   WRITE MODE
   Write | Copy | Initialize | Card | Bulk | Protect

   [4] Select the required function (command) using the UP/DOWN button or [PARAMETER SLIDERS 1]. In this case, select "Card".
   (The item selected flickers.)

   [5] Press [ENTER]. The selected function (command) setting screen is then displayed.

   DATA/PCM Card
   Int→Card | Card→Int | Int→Card | PCM Card

   [6] Select the required item using the UP/DOWN button or [PARAMETER SLIDERS 1]. In this case, select "Int→Card".
   (The item selected flickers.)

   [7] CAUTION
   The JV-1000 allows performance to be created by combining batches in the internal memory and on the Data Card. Note that the following takes place when the data of such performance is copied from the internal memory to the Data Card or from the Data Card to the internal memory:

   [8] [UP/DOWN] button, or [PARAMETER SLIDERS 1] to use them. This case is "Int→Card". (The selected item flickers.)

   [9] NOTE
   The JV-1000 data, on the other hand, includes the data in the Data Card and the internal memory. When this is copied, the Data Card data is read from the Data Card.
   When this is copied, it may not be saved in the Data Card, even when the other instrument is formatted (initialized) to allow data to be written in the JV-1000 format.

   [10] Immediately before the copy is executed, [SELECT] is displayed on the top of the screen. When the setting is complete, press [SELECT] to execute the command.
After "Complete" is displayed on the screen, the JV-80 returns to the screen (mode) displayed before [WRITE] was pressed. The operation is now complete.

[11] メモリーカードのプロテクト・スイッチをオフにし、カードをカード・スロットから抜きます。


[2] By pressing [WRITE] in any mode, the following screen is displayed.

WRITE MODE
Write/Corry/Initialize/Read/Write/Protect

[3] Select the required function (command) using the [WRITE/PLAY] button or [PARAMETER SLIDERS 1]. In this case, select "Card". (The item selected flickers.)

[4] Press [ENTER]. The selected function (command) setting screen is then displayed.

DATA/PCM Card Int+Card+Card++Card+PCM Card

[5] Select the required item using the [WRITE/PLAY] button or [PARAMETER SLIDERS 1] in this case, select "Card". (The item selected flickers.)

[6] Press [ENTER]. The selected function (command) setting screen is then displayed.

CARD COPY DATA CARD+INTERNAL [Press ENTER]

[7] Copy from DATA Card to internal memory Copy all of the performance, batch and rhythm set data stored in the DATA Card onto the internal memory.

[8] Immediately before the copy is executed, [Press ENTER] is displayed on the top right of the screen. When the setting is complete, press [ENTER] to execute the command.

Screen displayed before [WRITE] was pressed.

After "Complete" is displayed on the screen, the JV-80 returns to the screen (mode) displayed before [WRITE] was pressed. The operation is now complete.

[9] Remove the card from the card slot.

2. Use the Sequencer Section (Bulk Dump).

[1] <Synthesizer Section>

By pressing [WRITE] in any mode, the following screen is displayed.

WRITE MODE
Write/Corry/Initialize/Read/Write/Protect

[2] <Synthesizer Section>

Select the required function (command) using the [WRITE/PLAY] button or [PARAMETER SLIDERS 1]. In this case, select "Bulk". (The item selected flickers.)

[3] <Synthesizer Section>

Press [ENTER]. The selected function (command) setting screen is then displayed.

BULK DUMP Internal+Card+Internal+Temporary
[4] <Synthesizer Section>
Select the required item using the [4]/[5] button or [PARAMETER SLIDERS 1]. In this case, select "Internal". (The item selected flickers.)

[5] <Synthesizer Section>
Press [ENTER]. The selected function (command) setting screen is then displayed.

6)

---

[6] <Synthesizer Section>

<Song Number>
SONG 1
M=1 J=120 REAL

[8] <Synthesizer Section>

Use the cursor keys [ ← ] to move the cursor to the Song number.

[9] <Synthesizer Section>

Specify the Song number in which to save the data.

[10] <Synthesizer Section>

Press the [RELOAD] key. The following display will appear, and the MC-600MKII is ready to receive bulk data.

---

Press PLAY >> RECORD
M=1 J=120 REAL

---

Press the [PLAY/SAVE] key. The [PLAY/SAVE] key will light up. Pressing the [PLAY/SAVE] key will record the data entered on the [PLAY/SAVE] key.

[12] <Synthesizer Section>
Immediately before the copy is executed, press [ENTER] to execute the command.

---

[13] <Synthesizer Section>

After "Complete" is displayed on the screen, the JV-80 returns to the screen (mode) displayed before WRITE was pressed. The operation is now complete.

---

[14] <Synthesizer Section>

For the sake of safety, we suggest that you save the received bulk data to disk. To save to disk or load from disk, refer to the "SUPER MRC Owner's Manual".

This completes data reception.

---

[15] <Synthesizer Section>

How to load the data saved in the disk to the internal memory.

[16] <Synthesizer Section>

First set the protect switch of the unit to OFF.

[17] <Synthesizer Section>

By pressing [WRITE] in any mode, the following screen is displayed.

---

WRITE MODE
Write!!Copy!!Initialize!!Card!!Blank!!Protect

---

[18] <Synthesizer Section>

Select the required function (command) using the [4]/[5] button or [PARAMETER SLIDERS 1]. In this case, select "Protect". (The item selected flickers.)

---

[19] <Synthesizer Section>

実行したい機能（コマンド）を[4]/[5]ボタン、または、[PARAMETER SLIDERS]を使用して選択してください。この場合、"Protect"を選択してください。
IDENTIFYING VERSION NUMBER/バージョン確認方法

SYNTHESIZER SECTION

1. Press [PATCH] button.  
2. Press [INFO] button.  
4. Then the version of program ROM (IC46 on Main Board) will be displayed on LCD L.  
5. Press any button, the unit will enter into the play mode.

SEQUENCER SECTION

1. Turn on the Power Switch while pressing [CANCEL] button.  
2. Then the version of program ROM (IC25 on Main Board) is displayed on LCD R.  
3. Turn on the Power Switch again, the unit will enter into play mode.

MEMORY INITIALIZATION/内部RAMの初期化

Caution: Save user data (if any) onto appropriate memorizable machine such as memory card M-256 D/E to avoid data loss. For saving method, refer to “DATA SAVE/LOAD” on page 12-15. When the back-up Battery or S-RAM (IC8 on Main Board) or Main Board has been replaced, take the following ope rations to initialize the S-RAM (IC8).

To initialize internal RAM, power on while pressing [NUMBER] button, then press [ENTER] button. The unit become the play mode automatically.

注意！：バックアップ用のRAMの内容が消去される場合，ユーザーのデータを記憶している場合は，適当なメモリーカード（カード M256 D/E等）へコピーしておいてください。メモリのデータは，メモリーカード（P12-15）を参照してください。バックアップ・バスを History（BT1）や S-RAM（IC8 on Main Board）や Main Boardを交換した際は，バックアップ用RAMを下記の手順で初期化して下さい。

SHINDAIYASU部

①-ZE09890—
1. PATCHボタンを押します。  
2. INFOボタンを押します。  
3. NUMBERボタンを押しながら[W]ボタンを押します。  
4. すると，LCDディスプレイにプログラムROM（IC46 on Main Board）のバージョンが表示されます。  
5. 任意のボタンを押すと通常モードになります。

②-ZF09000—
1. Number1，Number2，WRITEボタンを押しながら電源を入れます。  
2. Bank Bを押します。  
3. すると，LCDディスプレイにプログラムROM（IC46 on Main Board）のバージョンが表示されます。  
4. EXITボタンを押すと通常モードになります。

シークエンサー部

1. CANCELボタンと[0]ボタンを押しながら電源を入れます。  
2. すると，LCDディスプレイにプログラムROM（IC25 on Main Board）のバージョンが表示されます。  
3. 電源を入れなくても通常モードになります。

WRITEを押す前の画面

After “Complete” is displayed on the screen, the JV-80 returns to the screen (mode) displayed before [WRITE] was pressed. The operation is now complete.

NOTE: JV-80 does not display any message when receiving bulk data. If you want to display the patch edited, select other patches first, then select the edited patch.

This completes bulk data reception.

[4] <Synthesizer Section>
Press ENTER. The selected function (command) setting screen is then displayed.

[5] <Synthesizer Section>
Select the required item using the [A]button or [PARAMETER SLIDERS] in this case, select “OFF”.

[6] <Synthesizer Section>
After the setting is complete, press [ENTER] to execute the command.

[7] <Sequencer Section>
Use the [a-dial] or [numeric key] “+” [ENTER] key to select the first measure.

[8] <Synthesizer Section>
The Synthesizer Section may be in the normal mode (play mode).

NOTE: JV-80 does not display any message when receiving bulk data. If you want to display the patch edited, select other patches first, then select the edited patch.

[9] <Sequencer Section>
Press the [PLAY/SAVE] key.

[10] <Sequencer Section>
Press the [STOP] key to stop the sequencer. (When bulk data transmission ends, the sequencer will automatically stop, and the measure will blink.)

This completes bulk data reception.

[20]
HOW TO MOUNT THE EXPANSION BOARD/

エクスパンションボードの取付方法

1. Turn over the JV-1000 unit and remove the EXP cover.
   (3x6 mm Binding B type BC x 8 pcs.)

2. Mount the expansion board on the main board.
   At this time, push the expansion board until the spacer heads at three positions come out completely.

3. Reinstall the EXP cover.

4. Conduct the "Card & Expansion Board Test" in the test mode (P. 13) to make sure that the expansion board has been installed without fault.

   テストモード（P. 13）の“Card & Expansion Board Test”を実行してエクスパンション・ボードがきちんと取り付けられていることを確認する。

BENDER BOARD ASS'Y
ASSY 7630231000
(pcb 22935488)

View from component side

CN7 is inserted from the 43th lot.
BENDER BOARD ASS'Y

* R6, R7, R8, R9, are not inserted, and C7, C8, are replaced by jumper wires from the 43th lot. (PCBNo 22935488 02)
PS BOARD ASS'Y
ASSY 7630210000
(pcb 22935575)

SWITCH-B BOARD ASS'Y
ASSY 7630208000
(pcb 22935481)
MAIN BOARD-A ASS'Y
ASSY 7630217000
(pcb 22935487)

CARD BOARD ASS'Y
ASSY 7630214000
(pcb 22935487)

View from component side