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SPECIFICATIONS

- KEYBOARD: 61 key (w/Velocity,w/Aftertouch)
- MAXIMUM POLYPHONY: 28 voices
- MEMORY:
  - Internal: Patch: 64
  - Preset A: Patch: 64
  - Preset B: Patch: 64
  - Data Card: Patch: 64
- EFFECT:
  - Chorus: 3 types
  - Reverb: 8 types
- DISPLAY:
  - 2 lines 40 Letter (w/LED back lit.)
- POWER SUPPLY: 15W
- DIMENSIONS:
  - 990(W) x 305(D) x 85(H) mm
  - 38.93x12.01x3.35 inches
- WEIGHT:
  - 9kg, 19lb 13oz.
- ACCESSORIES:
  - Owner's Manual Set (Japanese): PNo.26045533
  - Owner's Manual Set (English): PNo.26045534
  - AC Cord (Detachable): PNo.13439825
  - 117V: PNo.13439812F0
  - 230V: PNo.13439813F0
  - 240V: PNo.23465110
  - 240VA: PNo.23498144F0
- OPTIONS:
  - Expansion Board
  - Memory Card: M-256E
  - (Battery for Memory Card CR2016 PNo.12568974)
  - Sound PCM Card
SK-861-B KEY BOARD PARTS LIST/鍵盤パーツリスト SK-861-B

<table>
<thead>
<tr>
<th>NO.</th>
<th>PARTS NUMBER</th>
<th>PARTS NAME</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>226763490W</td>
<td>Natural Key C/F</td>
<td>(weight)</td>
<td></td>
</tr>
<tr>
<td>226763490W</td>
<td>Natural Key E/B</td>
<td>(weight)</td>
<td></td>
</tr>
<tr>
<td>226763500W</td>
<td>Natural Key D</td>
<td>(weight)</td>
<td></td>
</tr>
<tr>
<td>226763510W</td>
<td>Natural Key G</td>
<td>(weight)</td>
<td></td>
</tr>
<tr>
<td>226763470W</td>
<td>Natural Key A</td>
<td>(weight)</td>
<td></td>
</tr>
<tr>
<td>226763520W</td>
<td>Natural Key C/F</td>
<td>(weight)</td>
<td></td>
</tr>
<tr>
<td>226763550W</td>
<td>Sharp Key</td>
<td>(weight)</td>
<td></td>
</tr>
<tr>
<td>22816820</td>
<td>Chassis 61P-B Assy</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Replacement Chassis 61P-B Assy consists of the following 2 parts.

 Rays: 補修用 Chassis 61P-B Assy は、下記の2つの部品で構成されています。

******** Chassis 61P-B
22665209 Cushion 61P-B (Lower)
32165199 Guide Bush
22126581 Angle
76262722000 SK-861-A PCB 32P LOW P-7 ASSY
76266202000 SK-861-B PCB 28P HI P-7 ASSY
22185253 Rubber Switch 12p
22185254 Rubber Switch 13p
32205907 PCB Spacer 12p
32205908 PCB Spacer 13p
22126440 61p Stopper
42565102 Spring
******** 3 x 10mm Binding Head Tap tite screws B tite
******** 3 x 8mm Binding Head Tap tite screws B tite
******** Aftertouch 61P Assy-A
******** Grease “Frost G386A”

KEY DISASSEMBLY/鍵盤分解手順

1. INSTALLATION OF PCB’S

1) First, turn the chassis over, noting that the right- and left-hand sides are not reversed.
2) Then, locate the bosses of the Rubber Switches in the round holes of the Spacers, and as done for the Spacers, put Rubber Switches 12P and one Rubber Switch 13P in order, starting on the lower tone side. At this time, carefully match the positions of the Rubber Switches, Spacer notches and air grooves. (See fig. 3 and fig. 4.)

Parts required/必要部品

<table>
<thead>
<tr>
<th>PARTS No.</th>
<th>PARTS NAME</th>
<th>個数</th>
</tr>
</thead>
<tbody>
<tr>
<td>7626722000</td>
<td>SK-861-A PCB 32P LOW P-7 ASSY</td>
<td>1</td>
</tr>
<tr>
<td>76266202000</td>
<td>SK-861-B PCB 28P HI P-7 ASSY</td>
<td>1</td>
</tr>
<tr>
<td>22185253</td>
<td>Rubber Switch 12p</td>
<td>4</td>
</tr>
<tr>
<td>22185254</td>
<td>Rubber Switch 13p</td>
<td>1</td>
</tr>
<tr>
<td>32205907</td>
<td>PCB Spacer 12p</td>
<td>4</td>
</tr>
<tr>
<td>32205908</td>
<td>PCB Spacer 13p</td>
<td>1</td>
</tr>
</tbody>
</table>

******** 3x10 Binding Head Tap tite screws B tite | 32

1) まず、シャーシを左右が逆にならないように裏返します。
2) 次に、fig. 1に示すように左側（鍵の低音側）より、SPACER 12P を4 個、シャーシの位置決め穴に合わせて順に置いていきます（fig.2 参照のこと）。
右側（高音側）には SPACER 13P を同様に置いていきます。

**fig. 1**

Lower tone side
spacer 12p 4  spacer 13p

**fig. 2**

Chassis positioning hole
シャーシ位置決め穴

2) 次に、SPACER の丸穴部に RUBBER SWITCH のポストを位置決めして、SPACER と同様に低音側より順に RUBBER SWITCH 12P を4 個、RUBBER SWITCH 13P と置いていきます。
この際、RUBBER SWITCH と SPACER の外径切り欠き部、及び空気溝の位置合わせに注意してください。（fig.3 fig.4 参照のこと）
3) Then, put the PCBs so that the positioning pins of the Spacers fit into the positioning holes of the PCBs. At this time, use the PCB notch and Spacer lug as a guide. (See fig. 5.)
As shown in fig. 6, there are two PCBs, LOW and HI.

5) 次に、PCB の切り欠き部と SPACER の凸部を印と
して、SPACER の位置決めピンに PCB の穴がはまる
ように PCB をおきます。（Fig. 5 参照のこと）
PCB は、fig. 6 で示されるように LOW, HI の2枚で構成されています。

2. APPLYING THE STOPPER
Put the Stopper into contact with the end of the white key shaft section and push down the double-coated tape area to securely fix the Stopper. (See fig. 8.)
When the Stopper has been removed, the double-coated tape must be changed. (Double-coated tape: Nito No. 501)

2. ストッパーの貼り方
ストッパーは白鍵軸部の端に接続して取り付け、両
面テープ上におさえつけ確実に固定してください。
（Fig. 8 参照のこと）
なお、ストッパーを外した際は必ず両面テープを貼り
かえて下さい。 （両面テープ ニットー No. 501）

4) Next, fasten both the PCB LOW and HI Assemblies with the Tap Tite Screws, starting at the keyboard center 1.
At this time, the PCB Assemblies may be raised from the Spacers by screwing. To avoid this, fasten the end 2 after screwing the center 1. (See fig. 7.)
Since the PCB Assemblies may have been warped by soldering, etc., it is recommended to gently hold down the center when screwing.
Finally, screw the adjacent area of the PCB LOW and HI Assemblies.

4）次に、TAP TITE SCREWS で PCB LOW, HI をとともに
鍵盤中央部 1 からねじ止めしています。
ねじ止めによって、PCB が SPACER が抜けあが
ってしまいるのであるため、中央部 1 をねじ止めした
のち端部 2 を先に締結します。（Fig. 7 参照のこと）
シートがハンダ付け等によってソリを生じていること
があるので中央部を軽くおさえながらねじ止めする
といいでしょう。
最後に PCB の LOW, HI の隣接部もねじ止めします。
TEST MODE/テストモード

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

◇ Required Items
- DP-2 (Foot Pedal),
- EV-5 (Expression Pedal)
- Memory Card
- MIDI cable, Sound PCM Card,
- Expansion Board, Oscilloscope,
- Measuring Jig (See Fig. a)

Fig. a/図 a

This type is mono open plug.
これは、モノスプラグです。

◇ Test Items
The following eight test are available for the JV-80. Refer to the each Test item for details.

1. A/D Test (1)  Number 1 | AD-1
2. A/D Test (2)  Number 2 | AD-2
3. LCD Test  Number 3 | LCD
4. Button Test  Number 4 | SW
5. MIDI Test  Number 5 | MIDI
6. Card & Expansion Board Test  Number 6 | CARO
7. Sound & Key Test  Number 7 | WAVE
8. Memory Test  Number 8 | RAM

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.

| Move to next test item. | 次のテストモードに移動。 |
| Move to previous test item. | 前のテストモードに移動。 |
| Directly selects test item 1. | テスト項目 1. に直接選択。 |
| Exit test item or Test mode. | 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。 |

◇ To enter the test mode
Power on while pressing WRITE button, NUMBER 1 button and NUMBER 8.

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

◇ テストモードの入力方
WRITE 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。

◇ テスト・モードの抜け方
各テスト項目が選択できる状態で、EXIT ボタンを押して下さい。
KEYBOARD & SOUND TEST

Press [MEMORY] button, then display Fig.6. The unit becomes test mode.

- keyboard test -

- sound test -

Press [MEMORY] button again, then display Fig.4.

RAM CHECK

-CACHE, RAM, ROM, and S-RAM are replaced by RAM.

MEMORY INITIALIZATION/内部RAMの初期化

Caution: Save user data (if any) onto appropriate memorizable machine such as memory card M-266 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 operations to initialize the S-RAM (IC8).

To initialize internal RAM, power on while pressing NUMBER 8 button, then press ENTER button. The unit becomes the play mode automatically.

IDENTIFYING VERSION NUMBER/バージョンの確認方法

Power on while pressing NUMBER 1 button, then display the version of program ROM/OIC13 on Main Board) on LCD. Press any button, the unit become the play mode.

100mV

1msDIV

Fig. 4/図4

500mV

1msDIV

Fig. 5/図5
DATA SAVE/LOAD/データのセーブ/ロード

1. Use the Memory Card (M-256E).
   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 erased, initialize card, bulk protect

   [4] Select the required function (command) using the [ ] 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/FCM Card
   (int > card > int > card > FCM Card)

   [6] Select the required item using the [ ] button or [PARAMETER SLIDERS 1] in this case, select "int > Card".
   (The item selected flickers.)

   [7] CAUTION
   The JV-80 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:

   (Example) Assume that there is performance IO1 which specifies batch I2 in part 1 and batch C1 in part 2. When copied from the internal memory to the Data Card, this performance is stored as "C01" on the Data Card. At this time, the batch in part 1 is stored as "C12" and the batch in part 2 is stored intact as "C11".
   When the data on the Data Card is then copied to the internal memory, the performance is stored as "IO1" and part 1 as "I12" into the internal memory, but part 2 is stored as "II1". Hence, the data copied is identical in performance number to, but is different in batch number specified in part 2 from, the original data.

   Performance
   パフォーマンス
   IO1
   [1] I12
   [2] C11
   Copied to RAM Card
   RAM Cardにコピー
   [1] C12
   [2] C11
   INTERNAL-memory
   インターナルメモリ
   [1] I12
   [2] II1
   Batch number specified in part 2 changes.
   パート2で指定しているバッチナンバーが変わる
   To store the data in the internal memory intact, execute bulk dump.
   インターナルのデータをそのまま保存したいとき
   はバッチダンプを実行してください。
   [8] Press ENTER. The selected function (command) setting screen is then displayed.
   [9] Copy from internal memory to Data Card
   Copy all of the performance, batch and rhythm set data stored in the internal memory onto the Data Card.
   ※ When this copy is executed, the Data Card used, whether it is a new Data Card or the Data Card already used with the other instrument, is formatted (initialised) to allow data to be written in the JV-80 form.
   [10] 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.
   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.

[11] Return the protect switch on the Memory Card to the ON position, then remove the card from the card slot.

b) How to load all the data on a memory card into the internal memory.

[1] Connect a Memory Card to the card slot (DATA CARD).

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

[3] Select the required function (command) using the [ 键] 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.

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

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

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

[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.

[9] Remove the card from the card slot.

2. Use the MC-500MK2 (Bulk Dump).

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 transfer all the data in the internal memory into the external backup device (JV-80 → MC-500MK2)

[1] Connect the MIDI OUT on the JV-80 to the MIDI IN on the backup device using a MIDI cable. (This is called a One-way connection.)

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

[3] Select the required function (command) using the [ 键] button or [PARAMETER SLIDERS 1] in this case, select "Bulk".
(The item selected flickers.)

[4] 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.

[5] The card is returned to the slot from which it was removed.

2. MC-500MK2 (Bulk Dump)を使う。注意：操作を途中で中止する場合は、[EXIT]ボタンを押し

a) 内部メモリの全データを外部バックアップ機器に転送する方法（JV-80 → MC-500MK2）

[1] JV-80 の MIDI アウトとバックアップ機器の MIDI インを 1 本の MIDI ケーブルで接続する。（この

[2] JV-80 の MIDI アウトとバックアップ機器の MIDI インを 1 本の MIDI ケーブルで接続する。（この

[3] 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.
4. [J-V-80]
Press ENTER. The selected function (command) setting screen is then displayed.

BULK DUMP
Internal | Card | Temporary

5. [J-V-80]
Select the required item using the [ ] button on [PARAMETER SLIDERS 1]. In this case, select "Internal".
(The item selected flickers.)

6. [J-V-80]
Press ENTER. The selected function (command) setting screen is then displayed.

BULK DUMP
INTERNAL DATA [Press ENTER]

7. [J-V-80]
Internal data
All data, i.e. performance, batch and rhythm set data, stored in the JV-80 internal memory is transferred.

NOTE: Make the MC-500MK2 ready to receive data.

8. [MC-500MK2]
Turn the MC-500MK2 power on, and the following display will appear.

Insert System Disk and Press ENTER

9. [MC-500MK2]
Insert the SUPER MRC system disk, and press the ENTER key to start up the SUPER MRC system.

10. [MC-500MK2]
Make sure that the following display appears.

SONG 1
M=1 J=120 REAL

11. [MC-500MK2]
Use the cursor keys [ ] to remove the cursor to the Song number.

12. [MC-500MK2]
Specify the Song number in which to save the data.

13. [MC-500MK2]
Press the [RELOAD] key. The following display will appear, and the MC-500MK2 is ready to receive bulk data.

14. [MC-500MK2]
Press the [PLAYSAVE] key.
The MC-500MK2 will enter Recording mode, after a little while, so transmit bulk data from the JV-80.

15. [J-V-80]
Immediately before the copy is executed, the screen is changed to the top right of the screen. When the setting is complete, press ENTER to execute the command.

Complete
Screen displayed before WRITE was pressed.

WRITE を押す前画面

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.

16. [MC-500MK2]
When the JV-80 has finished transmitting bulk data, press the [STOP] key to exit Recording mode.

17. [MC-500MK2]
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.

b) How to transfer all the data in the external backup device into the internal memory (MC-500MK2 -> JV-80)

1. [J-V-80]
First set the protect switch of the unit to OFF.

2. [MC-500MK2]
Press the [PLAYSAVE] key. The following display will appear, and the MC-500MK2 is ready to receive bulk data.

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

3. [MC-500MK2]
Press the [RELOAD] key. The following display will appear, and the MC-500MK2 is ready to receive bulk data.

4. [MC-500MK2]
Press the [PLAYSAVE] key.
The MC-500MK2 will enter Recording mode, after a little while, so transmit bulk data from the JV-80.

5. When you use a sequencer featuring a MIDI filter, set it to the mode that can receive Exclusive messages (On the Roland MC-60, set the MIDI 2 RCV STATUS to ON).

6. Immediately before the copy is executed, press ENTER to display on the top right of the screen. When the setting is complete, press ENTER to execute the command.

Complete
Screen displayed before WRITE was pressed.

WRITE を押す前画面
[2] <JV-80>
By pressing WRITE in any mode, the following screen is displayed.

[2] <JV-80>
いずれのモードでも、WRITEを押すと次のよう
な画面が表示されます。

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

[3] <JV-80>
Select the required function (command) using the
or [ ] buttons or [PARAMETER SLIDERS 1] in this case, select "Protect".
(The item selected flickers.)

[3] <JV-80>
実行したい機能（コマンド）を[]のボタン、または、[PARAMETER SLIDERS 1]を使用して選
択して下さい。この場合は、「Protect」を選択して
下さい。
（選択された項目が点滅します。）

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

ENTERを押します。選んだ機能（コマンド）の
設定画面になります。

[5] <JV-80>
WRITE Protect ON/OFF
Set to ON to make Protect valid, and set to OFF to
make it invalid. Write Protect must be set to ON
when the batch or tone data is written from the card
or temporary area to the internal memory or
when the internal memory data is rewritten by
bulk data received through MIDI. Write Protect
defaults to ON.

[5] <JV-80>
ライド・ブロックはONにすると有効になり、OFFにする
と解除されます。パッチやトークのデータをカード
やテンポのデータをカードからイタンナルに書き込
むときは、MIDIでパッチ・データをカードからイタン
ナルに書き換えるときは必ずOFFにしてください。
電源投入後はいつもONにしています。

Select the required item using the[] button or [PARAMETER SLIDERS 1] in this case, select "OFF".

設定が完了したら、ENTERを押してコマンドを
実行させて下さい。

[7] <MC-500MK2>
Use the α Dial or numeric key "*" + ENTER
KEY to select the first measure.

[7] <MC-500MK2>
α Dialまたは（テンキー*）+ ENTERキーで
小節数を最初にもってきます。

[8] <JV-80>
The JV-80 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.

[8] <JV-80>
通常モード（プレイ・モード）の状態で始動です。
注：JV-80は、パッチ・データの受信時には何も
メッセージを表示しません。パッチを書き換
えた状態で表示したい場合、書き換えパッ
チ以外のパッチを選択して、次に、書き換え
したパッチを選択して下さい。

[9] <MC-500MK2>
Press the PLAY/SAVE key.

[9] <MC-500MK2>
PLAY/SAVEキーを押す。

[10] <MC-500MK2>
Press the STOP key to stop the sequencer.
(When bulk data transmission ends, the sequencer will automatically stop, and
the measure will blink.)

[10] <MC-500MK2>
STOPキーを押して、シーケンサーを止める。
（パッチ・データの送信を終了した後自動的に止ま
り、小節が点滅します。）

[11] As usual,パッチ・データの受信終了。

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-80 unit and remove the EXP cover.
(3x6 mm Binding B tite BC x 8 pcs.)

1. JV-80本体を裏返し、EXPカバーを外す。
(3x6 mm Binding B tite BC x 8本)

2. Mount the expansion board on the main board.
At this time, push the expansion board until the spacer heads
join 3 positions come out completely.

2. エクスパンション・ボードを取り付ける。
この際、3ヶ所のスペーサー頭が完全に出るまで押し
える。

3. Reinstall the EXP cover.
3. EXPカバーを取り付ける。

4. Conduct the "Card & Expansion Board Test" in the test
mode (P.10) to make sure that the expansion board
has been installed without fault.

4. テストモード（P.10）の"Card & Expansion Board Test"
を行っ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。
Main Board Assy
(pcb 22935128 1/2)

Card Board Assy
(pcb 22935128 2/2)

NOTE: Replacement Main Board Assy includes the Card Board Assy.
So the Card Board Assy cannot be ordered without the Main Board Assy.

Apparatus containing Lithium batteries

ADVARELSE!
Lithiumbatteri - Explosionfare ved fejlagtig håndtering.
Udskiftning kan kun ske med batteri af samme type og lige strøm.
Henvis til brugerhåndbog til leverandøren.

WARNING!
Explosive material - Dangerous when handled improperly.
Replacement may only be done with similar type of battery.
Refer to user’s manual for supplier.

VAROITUS!
Parannettiin liitiumbatteri - Pahoin rikkoutuminen ja vuorontapainen.
SW-A BOARD ASS’Y
ASSY 7626815000
(pcb 22935129)

View from component side

SW-B BOARD ASS’Y
ASSY 7626818000
(pcb 22935130)
JACK BOARD ASS'Y
ASSY 7626811000
(pcb 22935131)

Bender Board Assy
(pcb 22935131 2/2)

Jack Board Assy
(pcb 22935131 1/2)

View from component side

NOTE: Replacement Jack Board Assy includes the Bender Board Assy. So the Bender Board Assy cannot be ordered without the Jack Board Assy.

注: 補修用Jack Board Assyは、Bender Board Assyを含んで供給されます。
JACK BOARD ASS'Y
POWER SUPPLY BOARD ASS'Y
ASSY 762683300
 pcb 22935132

Trans. Board
 pcb 22935132 2/2

View from component side

Power Supply Board Assy
 pcb 22935132 1/2

NOTE: Replacement Power Supply Board Assy includes the Trans. Board.
So the Trans. Board cannot be ordered without the Power Supply Board Assy.

NOTE: Power Supply Board Assy can be use for any voltage of 100V, 117V, 230V, and 240V.

Jan. 1992
22
PARTS

LCD Unit LM402B04
15029530

LCD Unit LM402B02
17048048

<table>
<thead>
<tr>
<th>数</th>
<th>Part</th>
<th>Previous</th>
<th>New</th>
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<tr>
<td>1</td>
<td>Main Board Assy</td>
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<td>2</td>
<td>Card Board Assy</td>
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<td>3</td>
<td>Jack Holder</td>
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<td>5</td>
<td>Bender Board Assy</td>
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<tr>
<td>6</td>
<td>Dust Cover</td>
<td>22245575</td>
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<td>7</td>
<td>DS-Keytop MD4H BLK</td>
<td>22495271</td>
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<td>8</td>
<td>DS-Keytop MD04H BLK w/LED window</td>
<td>22495272</td>
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<td>9</td>
<td>DS-ESCT S2H BLK</td>
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<td>SVR Cover</td>
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<td>SW-A Board Assy</td>
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<td>LCD Unit LM402B04</td>
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<td>17048048</td>
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<td>14</td>
<td>Display Cover</td>
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<td>15</td>
<td>LCD Holder</td>
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<td>16</td>
<td>Angle Stay</td>
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<tr>
<td>17</td>
<td>Shield Sheet</td>
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</table>

NOTE: Replacement Parts No.20 is included the Main Board Assy (No.19).

NOTE: Replacement Parts No.23 is included the Jack Board Assy (No.22).

PARTS LIST

DISPLAY UNIT

15029530 LM402B04
(with LED, PCB, and wiring)

17048048 LM402B04
(with LED, PCB, and wiring)

DISPLAY UNIT

15029530 LM402B04 (with LED, PCB, and wiring)

17048048

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

注: LCD Unit の交換は、ユニット単位でお願いして下さい。
補修品は、ユニット単位。
We published the『ERRATA & SUPPLEMENT (No.ER00099) JV-80／about the
DISPLAY UNIT』before. However we must change it again as same as befofe.
So, please make the『ERRATA & SUPPLEMENT (No.ER00099) JV-80』invalid.
DISPLAY UNIT LM402B05 (PNo.15029530) does not include WIRING
(PNo.23505802) that connecting MAIN BOARD (CN 4) with DISPLAY UNIT.
To connect the DISPLAY UNIT with the MAIN BOARD, it needs the WIRING
(PNo.23505802) separately.

以前、JV-80のLCDユニットに関する『正誤表＜追加情報＞』を発行しましたが、再び変更となり、元のサービスノートの状態に戻すことになりました。
よって『正誤表＜追加情報＞（No.ER00099）JV-80』を無効にして下さい。
DISPLAY UNIT LM402B05（PNo.15029530）は、MAIN BOARD（CN 4）と
DISPLAY UNITをつないでいるWIRING（PNo.15029530）は含みません。
DISPLAY UNIT LM402B05（PNo.15029530）と、MAIN BOARD（CN 4）をつなく
場合、WIRING（PNo.23505802）が別途必要です。

<table>
<thead>
<tr>
<th>Change of a unit for supply about DISPLAY UNIT.</th>
<th>補修用DISPLAY UNIT 供給単位の変更</th>
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<tbody>
<tr>
<td><strong>Before</strong> 以前</td>
<td><strong>After this</strong> 今後</td>
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<tr>
<td>PNo.15029530</td>
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<td>DISPLAY UNIT</td>
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<td>LM402 B04</td>
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<td>WIRING was</td>
<td>→ PNo.23505802 WIRING ASSY</td>
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<tr>
<td>soldered</td>
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<td>[Diagram of connections]</td>
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