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1 Read First

1-1 Make Sure before Use

The followings are especially important.

①P.22 “3-7 How to Clean Thermalhead”
→ Explain mentenance of Reader Writer

②P.24 “3-8 Turn on the Power”
→ Explain procedure after turning on the power first

③P.17 “3-5 Handling of SD Card”
→ Explain handling SD Card stored transaction data

1-2 Manner of Operation

Can use Reader Writer by initial setting, and also change manner of operation with the following settings.

Normal Rank Points Setting
Card and Point Expiration
Store Data in STA
Printed Items on Card

The change is operated by “STA Details”. See P.73 “8. STA Details Operation”
1-3 Frequently Used Operations

① Issue a new card.
→ See P. 28 “4-1 Issue a new card”.
② Add points
→ See P. 37 “4-2 Add Points”.
③ Redeem Points
→ See P. 39 “4-3 Redeem Points”
④ Function Undo
→ See P. 40 “4-4 Function Undo”
⑤ Data to SD Card
→ See P. 55 “5-1 In case of sending tran.data to a PC”

1-4 Used Marks in this manual

Before operation, you sometimes need to change STA Setting.
In case left mark is shown, change STA Setting according to the direction.

The left mark indicates operation explanation continues to next page.
# 2 Safety Precautions

## 2-1 Safety precaution to ensure safe use

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="warning.png" alt="Warning Symbol" /></td>
<td><strong>WARNING</strong> Indicates the case where it is assumed that misuse of the Card/Reader, ignoring this sign, as this may cause fire or poisoning.</td>
</tr>
<tr>
<td><img src="caution.png" alt="Caution Symbol" /></td>
<td><strong>CAUTION</strong> Indicates the case where it is assumed that misuse of the Card/Reader, ignoring this sign, can cause damage only to property.</td>
</tr>
</tbody>
</table>

Pictorial signs are used in this Operation Manual for safe operation of and in prevention of damages to the device. (The following signs are for examples.)

The symbol “△” indicates the case where some phenomenon that requires a CAUTION sign (including “DANGER” and “WARNING” signs) exists.

- A concrete precaution is shown in the illustration.
- (Mind your finger when closing in the sketch given on the left.)

The symbol “🚫” indicates a prohibited behavior.

- A concrete illustration of prohibition is shown in or next to the illustration.
- (Disassembly is prohibited in the sketch given on the left.)

The symbol “●” indicates a thing that is forced to be done and instruction that is forced to be followed.

- A concrete illustration of instruction is drawn in the illustration.
- (The removal of a plug from the receptacle is instructed in the sketch given on the left.)
# Safety precaution to ensure safe use

<table>
<thead>
<tr>
<th>WARNING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Do not operate beyond rated specification.</strong></td>
</tr>
<tr>
<td>Do not operate beyond specifications which outlet or wiring accessories show.</td>
</tr>
<tr>
<td><strong>Do not damage the power cord.</strong></td>
</tr>
<tr>
<td>Do not damage, modify, heat, twist, pull or place anything heavy on the power cord. It may cause fire or electric shock.</td>
</tr>
<tr>
<td><strong>Do not use the damaged cord.</strong></td>
</tr>
<tr>
<td>If the damaged cord is used, it may cause fire or electric shock.</td>
</tr>
<tr>
<td><strong>Do not use the Card/Reader in case of realizing abnormal change.</strong></td>
</tr>
<tr>
<td>Turn off the power and disconnect the power plug in case of realizing abnormal change such as smoke, abnormal odor or noise and so on. It may cause fire or electric shock.</td>
</tr>
<tr>
<td><strong>Do not foreign material inside the Card/Reader.</strong></td>
</tr>
<tr>
<td>Do not foreign material inside the Card/Reader in case upper case opens or from card insertion part. It may cause electric shock.</td>
</tr>
<tr>
<td><strong>Do not touch the power plug if you hear thunder.</strong></td>
</tr>
<tr>
<td>Do not touch the power plug if you hear thunder. It may cause electric shock.</td>
</tr>
<tr>
<td><strong>Do not disassemble or modify the Card/Reader.</strong></td>
</tr>
<tr>
<td>Contact your sales representative for overhauling or repairing Card/Reader, because it may cause fire or electric shock.</td>
</tr>
<tr>
<td><strong>Do not bring metals close to outlet.</strong></td>
</tr>
<tr>
<td>If metals are brought close to outlet, it may cause fire or electric shock.</td>
</tr>
<tr>
<td><strong>Keep the Card/Reader dry.</strong></td>
</tr>
<tr>
<td>Be careful not to drop water inside the Card/Reader. If water drops inside the Card/Reader, it may cause fire or electric shock.</td>
</tr>
<tr>
<td><strong>CAUTION</strong></td>
</tr>
<tr>
<td>---</td>
</tr>
</tbody>
</table>
| **Do not turn off the power while operating.**  
Card data may be lost if the power is turned off while the card is being processed. |
| **Do not insert and remove a power cord by wet hands.**  
Do not touch the power cord by wet hands because it may cause electric shock. |
| **Do not touch the thermal head.**  
Be careful to operate with upper case opening, because it may cause burn to touch the hot part. |
| **Power plug should be inserted properly.**  
Do not use loose power code because it may cause fire or electric shock in case of loose connection. |
| **Unplug Card/Reader from the power outlet during maintenance.**  
Unplug Card/Reader from the power outlet during maintenance. It may cause electric shock. |
| **When disconnecting use for prolonged periods.**  
When disconnecting use for prolonged periods, always remove the power plug from the outlet. It may cause fire. |
| **Length of communication cable**  
Use the communication cable within 3m. |
| **Inspect the power plug.**  
Remove dust on the power plug regularly. It may cause fire. |
| **Mind your finger when closing.**  
Mind your finger when the upper case closes. |
| **Do not use unspecified chemicals.**  
Do not use unspecified chemicals (thinner, benzene etc) when cleaning for carrier rollers or belts. |
### CAUTION

<table>
<thead>
<tr>
<th>Safety precaution to ensure safe use</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Do not place the Card/Reader on an unstable table or place.</strong></td>
</tr>
<tr>
<td>Do not place the Card/Reader on an unstable table or place.</td>
</tr>
<tr>
<td><strong>Do not put the Card/Reader in a place where moisture or much dust exists.</strong></td>
</tr>
<tr>
<td>Do not put the Card/Reader in a place where moisture or much dust exists.</td>
</tr>
<tr>
<td><strong>Do not place the Card/Reader in areas exposed to direct sunlight.</strong></td>
</tr>
<tr>
<td>Do not place the Card/Reader in areas exposed to direct sunlight.</td>
</tr>
<tr>
<td><strong>Do not put in a place where magnetism or magnetic field exists.</strong></td>
</tr>
<tr>
<td>Do not put in a place where magnetism or magnetic field exists.</td>
</tr>
<tr>
<td><strong>Install ground of power cable.</strong></td>
</tr>
<tr>
<td>Install ground of power cable.</td>
</tr>
<tr>
<td><strong>Use only NATEC recommended cards.</strong></td>
</tr>
<tr>
<td>Do not use curved, bent, wet or dirty card.</td>
</tr>
<tr>
<td><strong>Do Cleaning</strong></td>
</tr>
<tr>
<td>Clean a magnetic head, a thermal head and carrier roller once or more a day.</td>
</tr>
<tr>
<td>In case of not cleaning, it may cause magnetic data error and print defect.</td>
</tr>
<tr>
<td>For cleaning, use anhydrous alcohol or specified cleaning kit.</td>
</tr>
<tr>
<td><strong>Cautions for storage of card</strong></td>
</tr>
<tr>
<td>Do not place the Card/Reader where temperature or humidity is high (Ex. a place where is exposed to direct sunlight).</td>
</tr>
<tr>
<td><strong>Important matters</strong></td>
</tr>
<tr>
<td>Do not close the Card/Reader to a place where strong magnetism exists.</td>
</tr>
<tr>
<td>(Keep Reader Writer away from magnetized items, cellphone etc.)</td>
</tr>
</tbody>
</table>
3 Before Using Reader Writer

3-1 Unpacking

The following outlines are the Reader/Writer and its accessories. Please contact your sales representative from where you purchased, if any of the following items are not included or damaged.

① Reader/Writer
② Power Cord
③ Simple Instruction Manual
④ Cleaning pen and the instruction
⑤ Cleaning cards (4 cards)
3-2 Name of Each Parts

[FRONT]

Display

Keyboard

Insertion Opening

Power switch

Cover opener

[BACK]

USB Connector

RS-232C Connector

Power Connector
3-3 Keyboard

Function Keys:
Frequently used function enables to call up with the touch of a button.

<table>
<thead>
<tr>
<th></th>
<th>Initial Setting(Normal)</th>
<th>Enter characters</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td>Redeem Points Setting</td>
<td>Switching to Numbers</td>
</tr>
<tr>
<td>F2</td>
<td>Function Undo Setting</td>
<td>Cursor Motion to Left</td>
</tr>
<tr>
<td>F3</td>
<td>Card Rplacement Setting</td>
<td>Cursor Motion to Right</td>
</tr>
<tr>
<td>F4</td>
<td>Data to SD</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

Menu key
For changing each function menu
In case of changing the setting, hold this button and power on.

Check key
For checking setting contents

Confirm key
For confirming setting contents or function choice

Numeric key
For entering various settings, name or amount

Del key
For correcting incorrectly-input or removing a card

Enter key
For executing various operations
(How to Open)
Pull the cover opener on the right side, and lift the upper cover.

(How to Close)
Close the upper cover until it clicks.

Caution:
Don’t close the upper cover in hard. It may cause malfunction.
3-5 Using a SD Card

Transaction data in Reader/Writer can be stored into a SD card. The following explain handling of a SD card.

◆ Inserting a SD Card

Slide the front cover to the up

Insert the SD card until it clicks. After that, return the front cover.
Removing a SD Card

① Turn off the power switch.
② Remove the front cover.

Note:
After taking function “Data to SD card”, Remove the SD card.
It may cause SD card error.
(Refer to “5-1 Data to SD Card”)
Format a SD Card

Format Processing
Format is to initialize memory of a SD card by PC. Can format in case of using a SD card first time, or erasing memory.

(Caution)
After format of SD card, the data will be clear.
Please format a SD card, after having the back-up.

① Connect a SD card reader with PC
② Insert the SD card into the SD card reader

③ Select “Computer” on PC
4. Select drive of the SD card reader, and click the right mouse button to select “Format”.

5. Select “FAT” in “Files System” and click “Start”
⑤ Click “OK” to start

⑥ Click “OK” to finish
### How to use DIP switch

Can change communication speed by DIP switch, in case of using RS232 cable for communication
(Normaly don’t have to change it)

<table>
<thead>
<tr>
<th>DIP switch</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2 3 4 5 6 7 8</td>
<td>Communication Mode (19200bps)</td>
</tr>
<tr>
<td>ON     ON</td>
<td>Communication Mode (9600bps)</td>
</tr>
<tr>
<td>OFF    ON</td>
<td>Communication Mode (4800bps)</td>
</tr>
</tbody>
</table>

Caution: Do not change DIP switch from 1 to 6.
Dirty thermal head or magnetic head may cause trouble. Clean the head everyday or once every 100 transactions. Use a cleaning card and a cleaning pen for the cleaning. Both use will be better.

**Clean with a cleaning pen**

1. Turn off the power switch.
2. Open the top of the Reader/Writer by pulling the opener on the right side.
   
   Note: After turning the power off, let the thermal head cool down for a while because some parts become very hot.

(Upper part) (Under part)

③ Carefully clean thermal head, magnetic head, driving rollers, driven rollers, platen roller, and magnetic head roller.

For detailed cleaning instruction of each part, refer to the followings.
◇ Thermal Head
Wipe thermal head in the direction indicated by the arrow below.

◇ Rollers (Driven, Magnetic Head, Driving, and Platen)
Wipe each roller thoroughly in the direction indicated by the arrows.

◇ Magnetic Head
Wipe magnetic head in the direction as indicated by the arrow below.
Note: Take extra care when cleaning this part for a scar may cause trouble in reading/writing magnetic data.

④ Close the top when cleaning is finished.
Cleaning with a cleaning card

① Press the on stand-by, mode, and press the 2 times. Select “8. Cleaning”

The following message will be shown.

>>> Cleaning <<<
Insert Cleaning Card.

② Insert a cleaning card. Cleaning is started.

After the cleaning, the card is ejected. (The operation is done.)

(Note)
Stand-by mode is the following display.

Shop[0001] STA[01]
Insert Member Card.
MM/DD/YY(Mon) hh:mm
3-8 Turn the Power Switch on!

① Connect Reader/Writer with a power cord
② Turn the power switch on

▶ The following message will be shown.

<table>
<thead>
<tr>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA〇〇〇〇〇〇〇</td>
</tr>
</tbody>
</table>

③ If the following message will be shown, Reader/Writer has not set “Shop#” and “STA#”. Set “Shop#” and “STA#” first
Refer to page 74 and 75 for the detailed procedures

<table>
<thead>
<tr>
<th>Encryption Not Set</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set It For Cards To Be Accepted.</td>
</tr>
</tbody>
</table>

▶ After setting “Shop#” and “STA#”, the following message will be shown. Enter time and date.

| MM/DD/YY(Mon) hh:mm:ss |

④ Can insert a cleaning card, during the following message shown.

| Cleaning Insert Cleaning Card. |

⑤ Can start operation, after the following message is shown.

| Shop[0001] Insert Member Card. MM/DD/YY(Mon) hh:mm |

26
3-9 Enter Name!

Cf.) Enter a name “John Smith”

① Stand-by Mode

② Insert a new card.

► The following message will be shown.

③ Press the Enter

► The following message will be shown.

Enter Name

ALPH ← →
4. Enter “John Smith”

J → Press the $\boxed{5}$ once.

o → Press the $\boxed{6}$ 6times.

h → Press the $\boxed{4}$ 5times.

n → Press the $\boxed{6}$ 5times.

5. Press the $\boxed{\text{Enter}}$.

The following message will be shown.

6. In case of making a space after first name, press the $\boxed{\text{Space}}$.

S → Press the $\boxed{1}$ 4times.

m → Press the $\boxed{6}$ 4times.

i → Press the $\boxed{4}$ 6times.

t → Press the $\boxed{2}$ 4times.

h → Press the $\boxed{4}$ 5times.

The following message will be shown.
7 Press the Enter.

Entering name is done.

※ Eject the card.
  (Press Enter and then Enter)

<About Display in Entering Name>
In case of entering number, press .
Enter mode is changed.

<In case of changing name, after issuing card.>

① Insert the card you want to change name.

② Press and change name.

※ Above operation needs to enter purchase amount or special points.
4  Operation

4-1 Issue a New Card

 встреча

Issue a new card printed name

“7. Register Name” in MAIN Setting should be changed to “1: Yes”.

① Insert a new card on stand-by mode

► The following message will be shown.

![Issue New Card]

② Press 

③ Enter name

Refer to page 26 “3-9 Enter Name!”

④ Press 

► The following message will be shown.

0000-00-0000000[NI]  
Now 0P #V: 0  
Amount $ 0
⑤ Enter purchased amount

※ If you enter purchased amount by mistake,

Press [delete], and try again from ⑤

⑥ Press [enter]

▶ The following message will be shown.

<table>
<thead>
<tr>
<th>Total$</th>
<th>0×1</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>OP</td>
</tr>
<tr>
<td>SP</td>
<td>OP</td>
</tr>
<tr>
<td>TTL</td>
<td>0P</td>
</tr>
<tr>
<td>Quit:Del</td>
<td>OK:Enter</td>
</tr>
</tbody>
</table>

⑦ Press [enter]

▶ Remove the card. (The operation is done.)
Issue a New Card

Issue a new card without printed name

7. Register Name in MAIN Setting should be changed to “0: No”.

① Insert a new card on stand-by mode

The following message will be shown.

② Press

The following message will be shown.

③ Enter purchased amount.

※ If you enter purchased amount by mistake, Press , and try again from ③

④ Press

Remove the card. (The operation is done.)
.issue a new card set special points

“8. Special Month Pts” in MAIN Setting should be changed to “1: Yes”.
Then, select “13. Service Setting” in ● , and select “3. Special Month”. Set the multiplier (refer to page 101)

※ This service can give some special points just one time for customer’s birthday month or special month.

① Insert a new card on stand-by mode.

▶ The following message will be shown.

[Image of issue new card message]

② Press  Enter

③ Enter name.
(Refer to page 27 “3-9 Enter Name!”)

④ Press  Enter

▶ The following message will be shown.

[Image of special month input message]

⑤ Enter special month for customer.
If the birthday month or special month of the customer is August, can enter “8”
7. Press Enter

The following message will be shown.

```
0000-00-0000000 [N]
Now  OP #V 0
Amount $ 0
John Smith
```

8. Enter purchased amount

9. Press Enter

The following message will be shown.

```
Total$  0\times 1
B   OP S 0P
SP  OP TTL OP
Quit:Del OK:Enter
```

10. Press Enter, after confirmation.

- Remove the card. (The operation is done.)

※ In case of inserting a card in set month, “Pi Pi” sounds.

The following message will be shown.

```
Special Month(S) !
Ο × Points Bonus
```

Press Enter, and enter purchased amount.

※ This service can give some special points just one time in the set month.
-issue a new card set birthday

“12. Birthday Setting” in SUB Trans should be changed to “1. Yes”
Enter the multiplier (Refer to page 105)

※ This service can give some special points any times on customer’s birthday.

<Note>
In case not of leap year day (Feb. 29), Feb. 28 is regarded as birthday.

① Insert a new card on stand-by mode.

The following message will be shown.

② Press Enter

③ Enter name.
After entering name, press Enter

The following message will be shown.

④ Enter birthday of customer, press Enter

※ In case not of entering birthday, press Enter
It can skip.
The following message will be shown.

5. Enter purchased amount, press Enter.

The following message will be shown.

6. Press Enter, after confirmation.
   Remove the card. (The operation is done.)

※In case of inserting a card in set day, “Pi Pi” sounds.
   The following message will be shown.

   Press Enter, the following message will be shown.
   Enter purchased amount.

<Caution>
   • Direct Multiplier is the most priority.
   • Multiplier Priority among Service Setting
     Special Day > Special Month > Birthday
Loop-Issue New Card

Loop-Issue Card
Can issue a new card printed member ID or points in advance

① Press ✍️, and select “16. Loop-Issue Card”

② Enter 4digits password (Shop #) and press Enter

▶ The following message will be shown.

③ Enter any Member ID

④ Press Enter

⑤ Select Member Rank ……………※ Select “0: N” normally
   (In case of setting Member Rank, select from A to D)

⑥ Press Enter

⑦ Select pattern for add point ……………※ Select “0: N” normally
   (In case of adding point in advance, select “1: Add point” and enter some points.)

⑧ Press Enter

▶ The following message will be shown.

⑨ Insert a new card.
⑩ Remove the loop-issued new card.

⑪ Press . Stand-by mode will be shown.

(The operation is done.)
4-2 Add Points

Add Points

① Insert a card on stand-by mode.

► The following message will be shown.

② Enter purchased amount.

③ Press Enter

► The following message will be shown.

※ In case of entering wrong amount, press Enter

Can go back to ③

④ Press Enter

► The card is ejected. (The operation is done.)
Add Special Points

① Insert a card on stand-by mode.

▶ The following message will be shown.

![Card Information]

② Enter purchased amount, and press

▶ The following message will be shown.

![Transaction Information]

③ Enter points.

※ In case of entering wrong amount, press Can go back to ②

⑤ Press

▶ The card is ejected. (The operation is done.)
4-3 Redeem Points

Redeem Points
To redeem some points from total points

① Press [ ] or [ ], and select “1. Redeem Points”.

▶ The following message will be shown.

Redeem Points
Insert
Member Card.

▶ In case points expired, the following message will be shown.
Select “1. OK to Redeem” or “2. Expired, No Redeem”

Points Expired!
Exp Date: ○○/○○/○○
1. OK to Redeem
2. Expired, No Redeem

② Insert a member card.

③ Enter redeemed points.
※ Confirm if the entered points are correct.
※ In case of setting “1: Fix Unit” on “25. Redeem Pts Setting” in MAIN Setting, can redeem by every fixed unit points.

④ Press [ ]

▶ The card is ejected. (The operation is done.)
4-4 Function Undo

Function Undo
In case of issuing a card in the wrong, can get back to last transaction condition.

① Press 📅 or 📊, and select “2. Function Undo”.

▶️ The following message will be shown.

Function Undo
Insert the card.

② Insert the card.

③ Member information and last transaction will be shown.
   Confirm if the information is correct.

④ Press 🔴

⑤ The card is ejected. (The operation is done.)


Returning Goods

Returning Goods
In case of returning purchased goods, deduct purchased amount and earned points from present condition.

“14. Return Enabled” in “2. SUB Trans Setting” should be changed to “1. Yes”.

(The following operation is “0. No” of “13. Group Code Set” in “2. SUB Trans Setting”)

① Press , and select “19. Returning Goods”.

The following message will be shown.

② Insert Member card.

The following message will be shown.

③ Press

The following message will be shown.
④ Enter returned amount, and press Enter.

⑤ Enter returned points and press Enter.

※ In case of entering wrong number from ④ to ⑤, can clear the wrong number. Can enter again

⑥ The card is ejected. (The operation is done.)
4-5 Card Expiration

Card Expiration

Operation for expired card
Refer to page 88 “Main Setting”
On condition that set month is more than 1 month on “15. Card Exp. Month #” or “Pts Exp.Month#” in “1. MAIN Setting”

(Condition)
- “15.Card Exp.Month#” “Month# 12month” “Pattern 0:Fixed” “Update 1:Yes”
- “16.Pts Exp.Month#” “Month# 12 month” “Pattern 0:Fixed” “Update 1:Yes” “Redeem 0:No”
- “Exp.Date Printing” “Pattern 0:No”

The following operation is on above condition.

① After insert the expired card, “Pi Pi” sounds.
   ► The following message will be shown.

   Card Expired!
   Last Date: 06/25/2010
   1. OK to Update
   2. Expired, No Update

② In case of update, select “1. OK to Update”.
   ► The following message will be shown.

   Point Expired!
   Last Date: 06/25/2010
   1. OK to Update
   2. Expired, No Update

Select “1.OK to Update” or “2.Expired, No Update”
※ Select “1.OK to Upgarade”, and aquired points are valid.
   Select “2.Expired, No Update”, and aquired points will be 0 point.
In case of selecting “1. OK to Upgrade”,
the following message will be shown.

⑥ Enter purchased amount and press Enter twice.
(The operation is done.)

Not Updating Expired Card

① After insert the expired card, “Pi Pi” sounds.

The following message will be shown.

② In case of not updating expired card,
Select “2. Expired, No Update”.

③ The card is ejected. (The operation is done.)
In Case of Redeeming Points

Page 88 “Main Setting”
“15.Card Exp.Month#” “Month# 12month” “Patern 0: Fixed”
“Update 1: Yes” “Redeem 1: Yes”

① In case of redeeming points, if expired point card is inserted, “Pi Pi” sounds.

The following message will be shown.

Point Expired!
Last Date: 06/25/2010
1. OK to Update
2. Expired, No Update

② In case of redeeming expired points, select “1. OK to Upgrade”

③ Enter redeemed points and press Enter (The operation is done.)

② In case not of redeeming points, select “2. Expired, No Update”.

③ The card is ejected. (The operation is done.)

Page 88 “Main Setting”
“15.Card Exp.Month#” “Month# 12month” “Pattern 0: Fixed”
“Update 1: Yes” “Redeem 0: No”

① In case of redeeming points, if expired point card is inserted, the following message will be shown.

Card Expired
Can not Redeem

(The operation is done.)
4-6 Transition out of existing card

**Issue Member Card with Optional Member ID**

Function for issuing with optional member ID
Can use the function in case of transitioning to new card

Refer to page 94 “SUB Trans. Setting”

① Insert a new card on stand-by mode.

- The following message will be shown.

<table>
<thead>
<tr>
<th>Issue New Card</th>
<th>Ready to Start?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Quit: Del</td>
</tr>
<tr>
<td></td>
<td>OK: Enter</td>
</tr>
</tbody>
</table>

② Press \[\text{Enter}\]

- The following message will be shown.

<table>
<thead>
<tr>
<th>Issue New Card</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pattern Select</td>
</tr>
<tr>
<td>1. Auto</td>
</tr>
<tr>
<td>2. Customize</td>
</tr>
</tbody>
</table>

③ Select “2. Customize”

- The following message will be shown.

<table>
<thead>
<tr>
<th>Issue New Card</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issued Shop #: 0001</td>
</tr>
<tr>
<td>Quit: Del</td>
</tr>
<tr>
<td>OK: Enter</td>
</tr>
</tbody>
</table>

④ Enter Shop #, and press \[\text{Enter}\]
Transition out of existing card

- The following message will be shown.

Enter STA #, and press Enter.

- The following message will be shown.

Enter optional member ID #, and press Enter.

- The following message will be shown.

Enter Issued Date, and press Enter.

- The following message will be shown.

Enter updated pts, and press Enter.

- The following message will be shown.

Enter name, and take normal operation for issuing card.

(The operation is done.)
4-7 Combining two or three cards

Accumulate Points

Operation for accumulating points
If a member has more than two cards, the cards can be combined with one card, and the points are accumulated. (Max 3 Cards)

① Press on stand-by mode, and select “3. Accumulated Points” in Function Menu.

- The following message will be shown.

② Insert a card to be accumulated.
Insert the first card, and
- The following message will be shown.

※ After the first card was accumulated, it will be ejected as an unusable card, and then CRW is waiting for next card. In case of combining two cards, after inserting the next card, press
In case insert the third card, the screen will be moved to a screen for confirmation automatically.

- The following message will be shown.

The number of read cards will be shown.
Combining two or three cards

③ After the confirmation, press Enter.

▶ The following message will be shown.

Accumulated Points
Ready To Start?
Quit: Del  OK: Enter
READ 3 Cards  Max 3

※ In canceling accumulation, push Del. The following message will be shown.

Accumulated Points
Cancel Process
Date Restoring
Insert Card  Batch

In case to restore card data, insert the card, and restored card will be ejected.
※ If you have 2 or 3 cards, repeat this operation 2 or 3 times.

④ The confirmation message will be shown.
After the confirmation, press Enter.

▶ The following message will be shown.

Pick Name
1. John
2. Phole
3. Mikel

⑤ Pick up name for making a new card.
※ The Member ID and Expiry Date of card will be applied from the card has the longest expiry date, regardless of picking name.

⑥ Accumulated card is ejected.
(Operation is done.)
4-8 Dirty or Damaged Card

Re-Issue Card

Re-Issue Card:
Operation for re-issuing card with information on magnetic stripe tape of old card, when the data of card cannot be read.

① After select “15. Re-Issue Card” in password will be requested.

▶ The following message will be shown.

Re-Issue Member Card
Password
Enter Pswd:  x  x  x  x
Quit: Del  OK: Enter

② Enter 4 digits Password (Shop ID)

▶ The following message will be shown.

Re-Issue Member Card
Insert New Card
Quit: Del

③ Insert New Card

④ Enter Shop # and press Enter

⑤ Enter STA # and press Enter

⑥ Enter Member ID and press Enter

⑦ Enter Member Rank and press Enter

⑧ Enter Name and press Enter

After ⑧, the following display will be shown.

Next Page
9. Enter Issue Date and press Enter.

In case that “Assign Exp. Date” is set, the following message will be shown.

9. Enter Expiry Date and press Enter.

10. Select Issue Date Pattern and press Enter.

11. Enter Last Trans. Date and press Enter.

12. Enter No. Of Total Visit and press Enter.

13. Enter Total Points and press Enter.

14. Enter Life Points and press Enter.
   (If Life Points are not printed on the card, enter Total Points.)

   The following message will be shown.

15. After confirmation, press Enter.

   Card is ejected. (Operation is done.)
Replace Member Card

Replacement for member card
When rewritten information is not clear to see or the card is deteriorated, replacement is needed.
※Data on magnetic stripe tape must be read.

① Press 🔄 on stand-by mode
   or
   select “4. Card Replacement” in 🔄
   ▶ The following message will be shown.

② Insert the changed card.
   ▶ The following message will be shown.

③ After entering ⏯, inserted card can not be used anymore.

   The following display will be shown, after card is ejected.

④ Insert a new card.
⑤ Data of old card is copied to new card and then the new card is ejected.

▶ Card is ejected. (Operation is done.)
4-9 Unnecessary Card

Re-Initialize Card

Re-Initialization of card
This function can re-initialize unwanted card.

① Select “5. Re-Initialize Card” in

▶ The following message will be shown.

Card Re-Initialized
Insert Old Card

② Insert an old or unwanted card.

▶ The following message will be shown.

0000-00-00000000 [N]
Total: 0 P: 0 #V: 0
Re-Initialize OK?
Quit: Del  OK: Enter

③ Press

▶ The card is ejected. (Operation is done.)

※ The re-initialized card can be used same as new card.
5 Operation for saving trans.data

5-1 Send Tran. Data to a PC

_operation for “Data To SD”_

Data To SD
Process of transferring trans.data in the CRW to a SD Card
※Be sure to do that before sending the data to a PC.

① Press on stand-by mode ,
or select “6. Data To SD” after pressing and 

▶ The following message will be shown.

Data To SD
Start ?
Quit: Del OK:Enter

② Press 

▶ The following message will be shown.

Data To SD
Please power-off,
Remove SD

③ Power-off  (Be sure to Power off)
    ※ If you remove the SD card without power off,
data in it may be destroyed.

④ Remove SD card (Operation is done.)
6 Summary Operation

6-1 Review Summary

Issure Summary Card

Summary card
Can review summarr of trans. data
When a summary card is issued, summary data in the CRW will be cleared.

① Press on stand-by mode, and select “14. Review Summary”

▶ The following message will be shown.

(`/Review Summary
No Of Added P : X X
Amount : $ XXXX
Added P : XXXP`

② Press

▶ The following message will be shown.

(`/Issue Summary Card
Password
Enter pswd: ×××
Quit: Del OK: Enter`

③ Enter Password.( enter by four–disit Shop #)

Next Page
4 Press 🎥

- The following message will be shown.

```
Issue Summary Card
Insert Card
Quit: Del
```

5 Insert a new card.

STA issues “Summary Card”.

※ After the issue, the summary data in the CRW is cleared. (Deleted)

《Important》

Summary date will be cleared because of this operation. However, it is retained in the CRW for safety treatment until ejection of a card. Therefore, if CRW is powered off not to remove the card, data will not be cleared. Be sure to remove the card, and power off.

(Original is done.)
7 Other Operation

7-1 Exchange CRW
※ (The detail procedure is also written down the last page.)

Exchange CRW
※ Register same setting information into other CRWs with MAIN Setting and SUB Trans. Setting Card.
The operation is often used for CRW breakdown.

STEP 1: Note next assigned member ID of used CRW, and make setting cards (MAIN Setting and SUB Trans. Setting Card).

① Power the switch of used CRW on, while pressing the (Push longer)

▶ The following message will be shown.

Setting Menu
1. Issue Mode
2. STA ID
3. STA Details

② Press

▶ The following message will be shown.

STA Setting
Password
Enter Pswd:
 Quit Del OK Enter

③ Enter Password

▶ The following message will be shown.

STA Setting
1. MAIN Setting
2. SUB Trans.
3. SUB Trans (Visit)
4. Select “1. MAIN Setting”

The following message will be shown.

5. Select “3. Member ID”

The following message will be shown.

6. Press twice in a row.

7. Press

8. Insert a new card.

After the card (CARD A) is ejected, press

9. Press
STEP 2: Operation of “Data To SD” for used CRW
(Note: in case of using SD card)

The operation procedure is in page 55, “5. Operation for saving trans. Data”

STEP 3: Insert CARD A and CARD B into exchanged CRW
※ Operate with the exchanged CRW from the following procedures.
Confirm if Shop # or STA # is correct.
① Insert the SD card which was removed in STEP 2

② Turn the power switch of CRW on.

③ Insert CARD A( MAIN Setting Card).

④ After inserting CARD A, the following message will be shown.

⑤ Press

7. Press

8. The card is ejected and the operation is done.

STEP 4: Register new member ID number(※1, P59).

Register new member ID with referring the memo(※1, P59)

1. Power the switch of CRW on, while pressing (Push longer)

   The following message will be shown.

2. Press “3. STA Details”

   The following message will be shown.

3. Enter Password

   Press 65* Enter
The following message will be shown.

④ Press “1. MAIN Setting”

The following message will be shown.

⑤ Press “3. Member ID”

The following message will be shown.

⑥ Press the number noted ※1, P59
   (Ex.) 3 4 5 6

⑦ Press twice.

⑧ Press three times in a row.

(Operation is done.)

※ In case of more than two set CRW, repeat same procedure.
7-2 Use Direct Multiplier

🌟 Using Direct Multiplier
When issuing points, can change the multiplier easily.
It is effective to modify multiplier of points when it is paid by credit card, or sold with special products.
Accept up to second decimal place.
(Set the multiplier from 0.01 to 10 times easily)

② Insert the issued card.

![Card Inserted]

② Press 

▶ The following message will be shown.

![Multiplier Display]

③ Enter Multiplier of points.
(Ex.) Multiplier is “2.10”

④ Press 2 1 0 and 

▶ The following message will be shown.

![Multiplier Changed]
① Enter the amount, and press Enter.

<Decimal point in Point Multiplier>
Can change point multiplier from 0.01 to 10.00, but omit decimals.

【Ex 1】$100 = 1P, Multiplier: x 0.5 and Purchased Good: $100

The earned point will be 0.5 point, but decimal is omitted. As a result, the earned point will be 0 point.

【Ex 2】$100 = 1P, Multiplier: x 0.55 and Purchased Good: $1,000

The earned point will be 5.5 point, but decimal is omitted. As a result, the earned point will be 5 points.

【Ex 3】$100 = 1P, Multiplier: x 0.55 and Purchased Good: $10,000

The earned point will be 55 point. In this case, the earned point will be 55 points because of no decimal.
7-3 Adjust Print and Erase Energy

Adjust Print and Erase Energy

Can adjust print and erase energy on the LCD screen.

① Press \(\text{Menu}\) on stand-by mode.

▶ The following message will be shown.

![Function Menu]

Function Menu
1. Redeem Points  
2. Function Undo  
3. Accumulated Points

② Press \(\text{Menu}\) a few times, and select the “22. Set Print & Erase”

▶ The following message will be shown.

![Adjust Print & Erase]

Password  
Enter pswd  
Quit: Del  OK: Enter

③ Enter the password (Shop #), and press \(\text{Enter}\)

▶ The following message will be shown.

![Adjust Printing Density]

Adjust Printing Density  
Current Setting: \(4\)  
Factory Default Value (1~8)

④ In case of changing the printing density, press the number.  
(The range is from 1 to 8.)

After confirmation, press \(\text{Enter}\)
The following message will be shown.

5 In case of changing the printing density, press the number.
(The range is from 1 to 8.)

After confirmation, press Enter.

The following message will be shown.

6 In case of changing the printing density, press the number.
(The range is from 1 to 11.)

7 After confirmation, press Enter.

After “Pi Pi” sounds, the setting is done.

(Operation is done.)

<Precaution>
1 When adjust print and erase energy, you can’t issue a setting card for it.
2 After adjust print and erase energy, be sure to do “9. R/W Print Test” in function menu, and then confirm the printing density.
7-4 Change Messages

Change of Message
Can change printed messages on a card

※ Can arrange messages freely. This function is used as advertising message to announce events, campaign and so on. Also, can print 12 letters per line (MAX 48 letters).

The operation is shown on next page.
① Press on stand-by mode.

- The following message will be shown.

```
<table>
<thead>
<tr>
<th>Function Menu</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Redeem Points</td>
</tr>
<tr>
<td>2. Function Undo</td>
</tr>
<tr>
<td>3. Accumulated Points</td>
</tr>
</tbody>
</table>
```

② Scroll the screen by , and select “17. Message Setting”

- The following message will be shown.

```
<table>
<thead>
<tr>
<th>Message Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Message 1</td>
</tr>
<tr>
<td>2. Message 2</td>
</tr>
<tr>
<td>3. Gift P Message</td>
</tr>
</tbody>
</table>
```

※ Change “Message 1” as an example

③ Press

- The following message will be shown.

```
<table>
<thead>
<tr>
<th>Message 1 Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Pattern: 2</td>
</tr>
<tr>
<td>0: No 1: Custom 2: Fixed</td>
</tr>
<tr>
<td>Quit: Del  OK: Enter</td>
</tr>
</tbody>
</table>
```

※ Select “1. Custom” (Press and )

After “Pi Pi” sounds,

- The following message will be shown

```
<table>
<thead>
<tr>
<th>Message 1 – Line 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thank you very much</td>
</tr>
<tr>
<td>ALPH ← →</td>
</tr>
</tbody>
</table>
```

※ Current setting message is shown.
④ Delete the shown massage by [Del], because initial setting is above message.

▶ The following screen will be shown.

```
Enter message

※ Can enter 12 letters.
In case of 13 letters, error sounds.
```

⑤ If entered message is OK, press [Enter]

In case of modification, press [Del] and do again from ④.

⑥ Press [Enter], after ⑤

▶ The following message will be shown.

```
Message 1 – Line 2
for your v
ALPH ← →
```

⑦ Delete the shown massage by [Del], because initial setting is above message.

Press [Enter], if the entered message is ok.
The following message will be shown.

Insert a new card, then Message 1 Setting card is issued. After that, the same message will be shown.

In case of finishing the issue, press "Del". The following message will be shown.

In case of setting “Message 2 Setting”, take same operation as “Message 1 Setting”.
When finish this operation, press "Del”. Stand-by mode will be shown.

To make message cards is recommended in case of changing message.
If you make several message cards in advance, it is easy to change message setting because you just insert the message cards.
Unused message cards can be re-initialized. The re-initialization operation is written on page 54 “Re-Initialize Card”.

※ In case of setting “Message 2 Setting”, take same operation as “Message 1 Setting”.
When finish this operation, press “Del”. Stand-by mode will be shown.
※ To make message cards is recommended in case of changing message.
If you make several message cards in advance, it is easy to change message setting because you just insert the message cards.
Unused message cards can be re-initialized. The re-initialization operation is written on page 54 “Re-Initialize Card”.

※ In case of setting “Message 2 Setting”, take same operation as “Message 1 Setting”.
When finish this operation, press “Del”. Stand-by mode will be shown.
※ To make message cards is recommended in case of changing message.
If you make several message cards in advance, it is easy to change message setting because you just insert the message cards.
Unused message cards can be re-initialized. The re-initialization operation is written on page 54 “Re-Initialize Card”.

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8 STA Setting Operation

8-1 STA setting Invocation

STA Setting
STA Setting can set setting of CRW.
STA Setting can start from Setting Menu.
Can find setting items from the list (P84 「8-3 STA Setting Menu」)

① Hold down \( \text{Menu} \) and power the switch of CRW on.
  ※ Press \( \text{Menu} \) longer.

The following message will be shown.

```
Setting Menu
1. Issue Mode
2. STA ID
3. STA Details
```

② Select 「3. STA Details」

The following message will be shown.

```
STA Setting
Password
Enter Pswd:
Exit : Del  OK : Enter
```

③ Enter password
Press \( 4 \) \( 0 \) \( 6 \) \( 5 \)

④ Press \( \text{Enter} \)

The following message will be shown.

```
>> STA Setting <<
1. MAIN Setting
2. SUB Trans
3. SUB Trans(Visit)
```
8-2 How to Set STA Setting Item

※ How to set ‘Shop#’ in MAIN menu as an example

① Select “1. MAIN Setting” in STA Setting

Throws the following message will be shown.

<table>
<thead>
<tr>
<th>MAIN Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Shop #</td>
</tr>
<tr>
<td>2. STA #</td>
</tr>
<tr>
<td>3. Memer ID</td>
</tr>
</tbody>
</table>

② Select “1. Shop #”

Throws the following message will be shown.

<table>
<thead>
<tr>
<th>Shop # Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Currently Setting: XXXX</td>
</tr>
</tbody>
</table>

③ Enter Shop # by four digits.
(Initial #: 0000 Max four digits: 0001~9999)

④ Press Enter

Throws the following message will be shown.

<table>
<thead>
<tr>
<th>Main Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Shop #</td>
</tr>
<tr>
<td>2. STA #</td>
</tr>
<tr>
<td>3. Member ID</td>
</tr>
</tbody>
</table>

⑤ Select “2. STA #”

Throws the following message will be shown.

<table>
<thead>
<tr>
<th>STA # Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Currently Setting: xx</td>
</tr>
</tbody>
</table>
⑥ Enter two digits number
(Initial#: 00   Max two digit: 01～99)

⑦ Press Enter

Set each item from 1 to 24 in accordance with the intended use.
After finish the setting, press a few times and select “25. Complete Setting”.

The following message will be shown.

When not issue STA Setting MAIN Card, just press three times.
The screen shifts stand-by mode.

When issue STA Setting MAIN Card, press Enter

The following message will be shown.

⑧ Insert a new card. STA Setting card will be issued.

⑨ press twice. The screen shifts stand-by mode.

※ Set “2. SUB Trans” and “3. SUB Trans (Visit)” sequentially in accordance with the intended use in a similar way of “MAIN Setting”
Function Key Setting

Can assign main service functions to function keys (F1 – F4)
Select that in Setting Menu.

※ Initial Setting
  - Redeem Points
  - Card Replacement
  - Function Undo
  - Data To SD

Procedure for changing setting

1. Hold down and power the switch of CRW on.
   ※ Press longer

   The following message will be shown.

   Setting Menu
   1. Issue Mode
   2. STA ID
   3. STA Details

   Press , and the following message will be shown.

   Setting Menu
   4. Function Key
   5. Cleaning
   6. Printing Layout

2. Select “4. Function Key”

   The following message will be shown.

   Fn Keys Settings
   Password
   Enter Pswd:
   Quit: Del  OK: Enter
   Pswd is Shop #
③ Enter the password and press Enter.

The following message will be shown.

![Fn Keys Settings]

④ For example, register a function into F1, select “1. F1”.

The following message will be shown.

![F1 Key Setting]

⑤ In case of registering “Redeem Points” into F1, select “1. Redeem Points”.

The following message will be shown.

![F1 Key Setting]

⑥ If it is OK, press Confirm.

After “Pi Pi” sounds, the setting is done.

If it is wrong setting, press Del.

※ Take same procedure as the above, when setting other function keys.
Setting of Cleaning

Can set setting mandatory cleaning
Count Down Alarm function reminds of cleaning because next operation will not required unless insert a cleaning card.

① Hold down the and power the switch of CRW on.
※ Press the longer.
➤ The following message will be shown.

② Select “5 Cleaning”
➤ The following message will be shown.

③ Enter password and press the
➤ The following message will be shown.

④ In case of not cleaning on start-up, select “0: Optional”. Then press the
The following message will be shown.

※Initial# is “0: Optional”

⑤ In case of setting “Count Down Alarm”
Select “1: Force”. In this case, cannot proceed to next operation until the cleaning finished.

※ In case of not setting “Count Down Alarm”, select 0: Optional.

⑥ Select ”1 : Force” and press Enter.
The following message will be shown.

⑦ Enter Count Start number (Max three digits : 010～999  Initial # : 100)
Enter count start number and press Enter.

The following message will be shown.

In case of displaying count down, select “1. Yes”
In case of not displaying count down, select “0. No”.
Press Enter.

After “PiPi” sounds, the setting is done.
Setting of Print Layout

Can modify print layout of CRW from data of SD card. Be sure to confirm data of print layout to the sales person, because it is necessary.

① Hold down \( \text{Menu} \) and power the switch of CRW on.
※ Press \( \text{Menu} \) longer.

The following message will be shown.

② Select "6. Print Layout"

The following message will be shown.

③ Enter the password and press \( \text{Enter} \)

④ In copying layout of CRW to SD, select 1, and SD to CRW, select 2. Moreover, in case of printing test, select 3.
How to Set STA Setting Item

In case of Selecting ”1. STA→SD Card”

- The following message will be shown.

After press , copied setting of print layout of CRW to SD.

In case of selecting “2 SD Card”→STA

- The following message will be shown.

After press , copied setting of print layout of SD to CRW

In case of selecting “3. Print Test”

- The following message will be shown.

Can print test each patterns from 1 to 4. Select from 1 to 4.

Insert a card.
Card is ejected.
Setting Password on Start-up

Can set start-up password for security, and also choose it freely.

① Hold down and power the switch of CRW on.  
※ Press longer.  
➤ The following message will be shown.

Press twice  
➤ The following message will be shown.

② Select the “7. Security Code”  
➤ The following message will be shown.

③ Press  

④ Select “1. On Start-up”.  
※Initial # ‘0’: None

⑤ Select “1: Set”, then Press  
➤ The following message will be shown.  
※ Can choose the password freely.  
EX) Set “8888”

Press. After “Pi Pi” sounds, the setting is done.
Setting of Memory Operation

Can copy settings of CRW and Trans.Data to SD card, and other CRW can copy the settings from the SD card.

① Hold down and power the switch of CRW on.
   ※ Press longer.
   The following message will be shown.

② Select “8. Memory Operation”
   The following message will be shown.

③ Press twice, and the following message will be shown.

※ In copying setting of CRW to SD, select “1. Setting → SD”
   In copying setting of SD to CRW, select “2. SD → Setting”
# 8-3 Setting Menu

<table>
<thead>
<tr>
<th>Main Setting</th>
<th>SUB Trans</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Shop#</td>
<td>1. Add $ Digit</td>
</tr>
<tr>
<td>2. STA#</td>
<td>2. Tax Rate</td>
</tr>
<tr>
<td>3. Member ID</td>
<td>3. Tax Setting</td>
</tr>
<tr>
<td>4. Add Points Digit</td>
<td>4. Points Setting</td>
</tr>
<tr>
<td>5. Print Member ID</td>
<td>5. Select $ Unit</td>
</tr>
<tr>
<td>7. Register Name</td>
<td>7. Visit Pts</td>
</tr>
<tr>
<td>8. Special Month Pts</td>
<td>8. Member ID Select</td>
</tr>
<tr>
<td>14. Print Add Item</td>
<td>14. Return Enabled</td>
</tr>
<tr>
<td>15. Card Exp. Month #</td>
<td>15. Normal Rank Pts</td>
</tr>
<tr>
<td>17. Print Exp. Date</td>
<td>17. Rank B Pts</td>
</tr>
<tr>
<td>18. Assign Exp. Date</td>
<td>18. Rank C Pts</td>
</tr>
<tr>
<td>21. Print Rank Name</td>
<td>SUB Trans(Visit)</td>
</tr>
<tr>
<td>22. Store Data in STA</td>
<td>1. Visit Pts Rules</td>
</tr>
<tr>
<td>23. Store Data in SD</td>
<td>2. Added Pts Rules</td>
</tr>
<tr>
<td>24. Select Port</td>
<td>3. Key Function</td>
</tr>
<tr>
<td>26. Complete Setting</td>
<td>5. Rank A Pts</td>
</tr>
<tr>
<td></td>
<td>6. Rank B Pts</td>
</tr>
<tr>
<td></td>
<td>7. Rank C Pts</td>
</tr>
<tr>
<td></td>
<td>8. Rank D Pts</td>
</tr>
<tr>
<td></td>
<td>9. Complete Setting</td>
</tr>
</tbody>
</table>

※ Some Settings are showed different No. from above No. depending on setting.
Red Items can not used at present.
### MAIN Setting

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| **1. Shop #** | ※Setting of shop No.  
Be sure to set before start using.  
(If there is only one shop which install STA, the shop # is usually 0001.) | 4 digit  
Range: 0001~9999  
Initial: 0000 |
| **2. STA #** | ※Setting of STA No.  
Be sure to set No. before start using.  
(If there is only one STA in a shop, the STA# is usually 01.) | 2 digit  
Range: 01~99  
Initial: 00 |
| **3. Member ID** | ※Setting of new member ID in issuing a new card  
After 9999999 issued, can not issue any more | 7 digit  
Range: 0000001~9999999  
Initial: 0000001 |
| **4. Add Pts Digit** | ※This setting is for expanding Pts digit.  
If this setting is ON, max add Pts digit will be from 4 to 5. | 0: No  
1: Yes (Initial: 0) |

If this function is ON, some related functions must be changed.  
(Please reference P90 “Complement”.)
<table>
<thead>
<tr>
<th>Setting Menu</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6. Select Issue Day in Pre-issuing Card</strong></td>
</tr>
<tr>
<td>※This setting is for designating issue date.</td>
</tr>
<tr>
<td>Joined=Issue date will be first transaction date.</td>
</tr>
<tr>
<td>Assigned=Issue date will be designated date.</td>
</tr>
<tr>
<td><strong>Pattern</strong></td>
</tr>
<tr>
<td>(This is only for Loop-issuing card.)</td>
</tr>
</tbody>
</table>

| **7. Register Name** |
| ※Setting for ON or OFF of name registering. |
| If this function is ON, go on to name registering, after inserting a new card. |
| **Currently Setting** | **0**: No | **1**: Yes | (Initial: 1) |

| **8. Special Month Pts** |
| ※Setting for ON or OFF of Special Month Pts. |
| If this function is ON, each card can be registered special month. Point multiplier for Special Month can be set in “Service Setting”. |
| **Currently Setting** | **0**: No | **1**: Yes | (Initial: 0) |

| **9. Operation Mode** |
| ※This function can change operation mode. |
| Visit=Add fixed point to inserted card. |
| (Visit Mode) |
| Purchase=Add points by transaction. |
| **Mode** | **Select** | **0**: Visit | **1**: Purchase | (Initial: 1) |
### 11. Gift Point
※Setting for upper limit of total point in a card.

<table>
<thead>
<tr>
<th>Gift Pts Setting</th>
<th>Currently Setting</th>
<th>99999</th>
</tr>
</thead>
</table>

MAX 5 digit
**Range**: 00010～99999 **Initial**: 99999

### 13. Max Life Point
※Setting for upper limit of Life Point in a card. Life Point=Point that customer has acquired since issue date. This point is not redeemed.

<table>
<thead>
<tr>
<th>Life Pts Setting</th>
<th>Currently Setting</th>
<th>100000P</th>
</tr>
</thead>
</table>

MAX 6 digit
**Range**: 001000～999999 (**Initial**: 100000)

### 15. Card ExpMonth#
※Setting card expiration
2 digit
**Range**: 0～99 **Initial**: 00

① First, set period and press Enter. After that, you can choose Fixed or Updated.
- **Fixed** =Expiration from issue date.
  Ex)|/10 /01/2011 +24month|=10 /01/2013
- **Updated** =Expiration from last transaction.

② Next, choose if card can be updated after expiration.

<table>
<thead>
<tr>
<th>Card Expiration</th>
<th>Currently Setting</th>
<th>0month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pattern: 0</td>
<td>0 : Fixed</td>
<td>1 : Updated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Card Expiration Update</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 : No</td>
<td>1 : Yes</td>
</tr>
</tbody>
</table>

### 16. Pts Exp. Month #
※Setting point expiration
2 digit
**Range**: 00～99 **Initial**: 00

① First, set period and press Enter. After that, you can choose Fixed or Updated.
- **Fixed** =Expiration from issue date.
  Ex)|/10 /01/2011 +24month|=10 /01/2013
- **Updated** =Expiration from last transaction.

<table>
<thead>
<tr>
<th>Pts Expiration</th>
<th>Currently Setting</th>
<th>0month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pattern: 0</td>
<td>0 : Fixed</td>
<td>1 : Updated</td>
</tr>
<tr>
<td>Pts Expiration</td>
<td>Setting for STA Pts. (This is usually used for shopping arcade.)</td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Update: 1</td>
<td>0: No 1: Yes (Initial: 0)</td>
<td></td>
</tr>
<tr>
<td>Redeem: 1</td>
<td>If this function is ON, you must refill point by a point setting card. If you do not refill it, STA cannot work.</td>
<td></td>
</tr>
<tr>
<td>0: No 1: Yes</td>
<td>1. Choose ON or OFF of STA Pts function. After setting “1:Yes”, “STA Low-Pts Alarm” display will be shown.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>this setting is for showing alarm when STA Pts is low.</td>
<td></td>
</tr>
<tr>
<td>0: No 1: Yes</td>
<td>2. In case of setting ① ON, “Low-Pts Warning” will be showed. After entering number, press Enter.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAX 3 digit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Range 0～999 (Initial: 0)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>※ MAX STA Point is 99999.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STA Pts Setting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Currently Setting: 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0: No 1: Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STA Low-Pts Alarm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pattern: 0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0: No 1: Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low-Pts Warning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Currently Set: 100</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto Rankup</td>
<td>※ Rank will be up automatically as setting.</td>
<td></td>
</tr>
<tr>
<td>0: No 1: Yes</td>
<td>(Initial: 0)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Yes=If customer achieve parameter, customer’s rank will be higher automatically.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No=Set customer’s rank manually or no setting.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>※ If this setting is ON, go on to next screen.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0: # of Transaction 1: Life Pts (Initial: 0)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Choose 1 or 2, and press Enter.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>After that, go on to Rankup condition.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(From Rank A to Rank D)</td>
<td></td>
</tr>
<tr>
<td>Setting Menu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| **Target Pts or 
# of Transaction** | MAX 6 digit Range 000000～999999  
※ This is top priority of rank setting than manually rank setting like “Loop Issue Card” or “Assign Rank”. |
| **22. Store Data in STA** | ※Choose storing transaction data in STA or not. |
| ![Store Trans Data? 
Currently Set : 1 
0 : No 
1 : Yes](image) | 0 : No 1 : Yes (Initial : 1) |
| **23. Store Data in SD** | ※Choose storing transaction data in SD card or not. |
| ![Store Trans Data? 
Currently Set : 1 
0 : No 
1 : Yes](image) | 0 : No 1 : Yes  
(Default : 1)  
※If you choose “1:Yes”, you must install SD card in STA. If you do not install SD card in STA, you cannot do transaction operation.(If this function is ON.) |
| **24. Select Port** | ※Setting port to connect with PC or other instruments |
| ![Select Port 
Currently Set : 0 
0 : RS232C 
2 : LAN 
1 : USB 
3 : MODEM](image) | 0 : RS232C 1 : USB  
2 : LAN 3 : MODEM  
(Default : 0) |
| **25. Auto Transmission** | ※This is valid when “Store Data in STA” is ON. Setting for auto transmission of transaction data. |

---

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26. Redeem Pts

※If this setting is ON, you can only redeem every given value.

27. Complete Setting

Complete process of MAIN function.
If you want to issue MAIN setting card, press Enter key.
If you do not issue the Setting Card, press key.

<Complement>

Be careful following settings, if “4. Add Pts Digit” in MAIN Setting is ON.
When you install 2 or more STA in shops, please make sure unifying digit.

<table>
<thead>
<tr>
<th></th>
<th>“Add Pts Digit” OFF</th>
<th>ON</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic point</td>
<td>4digit</td>
<td>5digit</td>
</tr>
<tr>
<td>Service point</td>
<td>4digit</td>
<td>5digit</td>
</tr>
<tr>
<td>Special point</td>
<td>4digit</td>
<td>5digit</td>
</tr>
<tr>
<td>Add point</td>
<td>4digit</td>
<td>5digit</td>
</tr>
<tr>
<td>Total point</td>
<td>5digit</td>
<td>6digit</td>
</tr>
<tr>
<td>Life point</td>
<td>6digit</td>
<td>7digit</td>
</tr>
<tr>
<td>Redeem point</td>
<td>5digit</td>
<td>6digit</td>
</tr>
<tr>
<td>Gift point</td>
<td>5digit</td>
<td>6digit</td>
</tr>
<tr>
<td>Max Life point</td>
<td>6digit</td>
<td>7digit</td>
</tr>
<tr>
<td>Auto Rankup value</td>
<td>6digit</td>
<td>7digit</td>
</tr>
<tr>
<td>Max add point</td>
<td>4digit</td>
<td>5digit</td>
</tr>
<tr>
<td>Target point</td>
<td>4digit</td>
<td>5digit</td>
</tr>
</tbody>
</table>
**SUB Transaction**

“SUB Trans” setting is applied when “9. Operation Mode” is “Purchase”.

<table>
<thead>
<tr>
<th>1. Add $ Digit</th>
<th>※If this setting is ON, you can enter 7 digit in transaction. (Default 6 digit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add $ Digit</td>
<td>0:No 1:Yes (Default:0)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Tax Rate</th>
<th>※Setting Tax Rate. If you set “Tax Rate”, STA calculates point excluding tax.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tax Rate</td>
<td>2digit Range: 0~99  (Default: 0)</td>
</tr>
<tr>
<td>Currently Setting : 0%</td>
<td>※Setting &quot;0&quot; means that tax rate setting is OFF.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Tax Setting</th>
<th>※Setting about broken number when STA calculates tax which is included amount of money.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tax Setting</td>
<td>0: Cut off  1: Rounds  2: Round Up  (Default: 0)</td>
</tr>
<tr>
<td>Currently Set : 0</td>
<td>0: Cut off  1: Rounds  2: Round Up</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. Points Setting</th>
<th>※Setting about broken number when STA calculates point from conversion amount.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pts Setting</td>
<td>0: Cut off  1: Rounds  2: Round Up  (Default: 0)</td>
</tr>
<tr>
<td>Currently Set : 0</td>
<td>0: Cut off  1: Rounds  2: Round Up</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Select $ Unit</th>
<th>※Select money unit for typing amount.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select $ Unit</td>
<td>1 : $1 Unit  2 : $10 Unit  3 : $100 Unit  (Default: 1)</td>
</tr>
<tr>
<td>Currently Set : 1</td>
<td>1 : $1 Unit  2 : $10 Unit  3 : $100 Unit</td>
</tr>
</tbody>
</table>

Ex) If setting is 2, you can enter amount from...
<table>
<thead>
<tr>
<th>Setting Menu</th>
<th></th>
</tr>
</thead>
</table>
| 6. **Max Add Pts** | ※Max add point in one transaction
※If the setting 「Add Pts Digit」 is ON, you can set MAX 5digit.|
| |  |
| ![Max Add Pts](image) | MAX 4 digit
**Range**: 0001～9999  **Default**: 9999
Add Pts is included service point, special point. |
| 7. **Visit Pts** | ※Designate Visit Pts in transaction. |
| |  |
| ![Visit Pts](image) | Max 3 digit
**Range**: 0～999P  （Default：0P）
Visit Pts is added one time in a day to a customer. |
| 8. **Member ID Select** | ※If this setting is ON, you can designate “shop #”, “STA#” and “Member ID”. To designate them, choose “customize” after inserting new card. |
| ![Member ID Select](image) | 0：No  1：Yes  （Default：0） |
| 9. **Issue Day Select** | ※If this setting is ON, you can designate issue date. To designate it, choose “customize” after inserting new card. |
| ![Issue Day Select](image) | 0：No  1：Yes  （Default：0） |
| 10. **Update Pts** | ※If this setting is ON, you can move point from previous card to new card. To move point, choose “customize” after inserting new card. |

- tenth digit. (you cannot press)
- 「Add Pts Digit」
- 「Member ID Select」
- 「Issue Day Select」
- 「Update Pts」
- ※Max add point in one transaction
※If the setting 「Add Pts Digit」 is ON, you can set MAX 5digit.
<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11. Assign Rank</td>
<td>※Setting for assigning rank when new card is issued.</td>
<td>0 : No</td>
<td>1 : Yes (Default : 0)</td>
</tr>
<tr>
<td>12. Birthday Setting</td>
<td>※If this function is ON, birthday can be set to each card. Designated point multiplier is adopted for transaction in birthday. (Point multiplier for Birthday setting is in “13.Service setting” in function menu.)</td>
<td>0 : No</td>
<td>1 : Yes (Default : 0)</td>
</tr>
<tr>
<td>13. Group Code Set</td>
<td>※ON or OFF of Group Code Setting. Group Code is code for goods. If this function is ON, you can enter code in transaction. This code is for CRM software or other software.</td>
<td>0 : No</td>
<td>1 : Yes (Default : 0)</td>
</tr>
<tr>
<td>15. Return Enabled</td>
<td>※ON or OFF of “Returning Goods”(Function Menu 19)</td>
<td>0 : No</td>
<td>1 : Yes (Default : 0)</td>
</tr>
</tbody>
</table>
### Setting Menu

<table>
<thead>
<tr>
<th>16. Normal Rank Pts</th>
<th>※Setting of point multiplier. (Normal Rank)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Normal Rank Pts" /></td>
<td><img src="image" alt="Normal Rank Pts" /></td>
</tr>
<tr>
<td>Amount: $100</td>
<td>Points: 1</td>
</tr>
</tbody>
</table>

1. Amount
   - 5digit Range: $1～$99999 (Default: $100)
2. Points
   - 3digit Range: 1P～999P (Default: 1P)

※6 digit (“4. Add Pts Digit” is ON)

<table>
<thead>
<tr>
<th>17. Rank A Pts</th>
<th>※Setting of point multiplier. (A Rank)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Rank A Pts" /></td>
<td><img src="image" alt="Rank A Pts" /></td>
</tr>
<tr>
<td>Amount: $100</td>
<td>Points: 1</td>
</tr>
</tbody>
</table>

1. Amount
   - 5digit Range: $1～$99999 (Default: $100)
2. Points
   - 3digit Range: 1P～999P (Default: 1P)

※6 digit (“4. Add Pts Digit” is ON)

<table>
<thead>
<tr>
<th>18. Rank B Pts</th>
<th>※Setting of point multiplier. (B Rank)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Rank B Pts" /></td>
<td><img src="image" alt="Rank B Pts" /></td>
</tr>
<tr>
<td>Amount: $100</td>
<td>Points: 1</td>
</tr>
</tbody>
</table>

1. Amount
   - 5digit Range: $1～$99999 (Default: $100)
2. Points
   - 3digit Range: 1P～999P (Default: 1P)

※6 digit (“4. Add Pts Digit” is ON)

<table>
<thead>
<tr>
<th>19. Rank C Pts</th>
<th>※Setting of point multiplier. (C Rank)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Rank C Pts" /></td>
<td><img src="image" alt="Rank C Pts" /></td>
</tr>
<tr>
<td>Amount: $100</td>
<td>Points: 1</td>
</tr>
</tbody>
</table>

1. Amount
   - 5digit Range: $1～$99999 (Default: $100)
2. Points
   - 3digit Range: 1P～999P (Default: 1P)

※6 digit (“4. Add Pts Digit” is ON)
### Setting Menu

#### 20. Rank D Pts

<table>
<thead>
<tr>
<th>C Rank Pts</th>
<th>1. Amount</th>
<th>5-digit Range: $1~$99999 (Default: $100)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2. Points</td>
<td>3-digit Range: 1P~999P (Default: 1P)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>※ 6 digit (“4. Add Pts Digit” is ON)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D Rank Pts</th>
<th>1. Amount</th>
<th>5-digit Range: $1~$99999 (Default: $100)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2. Points</td>
<td>3-digit Range: 1P~999P (Default: 1P)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>※ 6 digit (“4. Add Pts Digit” is ON)</td>
</tr>
</tbody>
</table>

#### 21. Complete Setting

Completing setting of SUB Tran Setting

If you want issue setting registration card of “SUB transaction setting”, press ![Enter](image).  
If you do not need issue it, press ![Backspace](image).
**SUB Transaction (Visit)**

This operation is applied when the setting “9. Operation Mode” in “MAIN Setting” is “Visit”.

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Visit Points" /></td>
<td>0 : Same  1 : According to Rank  (Default : 0)</td>
</tr>
<tr>
<td></td>
<td>Same=All customers are added the same point.</td>
</tr>
<tr>
<td></td>
<td>According to Rank = Customers are added different point according to the rank.</td>
</tr>
<tr>
<td></td>
<td>(Must be set 4~8 )</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Added Pts Rules</th>
<th>Choosing “Once a Day” or “Every Visit”.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Added Visit Pts" /></td>
<td>0 : Once a Day  1 : Every Visit (Default : 0)</td>
</tr>
<tr>
<td></td>
<td>“Once a Day” ⋯ Add point once in a day.</td>
</tr>
<tr>
<td></td>
<td>“Every Visit” ⋯ Add point every time card is inserted.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Key Function</th>
<th>※When setting is “Once a Day”, point is added once in a day.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Key Function" /></td>
<td>If the card which is already added the point is inserted, the left display is shown.</td>
</tr>
</tbody>
</table>

### Visit Points

<table>
<thead>
<tr>
<th>Pattern</th>
<th>0 : Same  1 : According to Rank (Default : 0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 : Same</td>
<td>All customers are added the same point.</td>
</tr>
<tr>
<td>1 : According to Rank</td>
<td>Customers are added different point according to the rank.</td>
</tr>
<tr>
<td>(Must be set 4~8 )</td>
<td></td>
</tr>
</tbody>
</table>

### Added Visit Pts

<table>
<thead>
<tr>
<th>Currently Set</th>
<th>0 : Once a Day  1 : Every Visit (Default : 0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 : Once a Day</td>
<td>“Once a Day” ⋯ Add point once in a day.</td>
</tr>
<tr>
<td>1 : Every Visit</td>
<td>“Every Visit” ⋯ Add point every time card is inserted.</td>
</tr>
</tbody>
</table>

### Key Function

<table>
<thead>
<tr>
<th>Currently Set</th>
<th>0 : No  1 : Yes (Default : 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 : No</td>
<td>If this setting is “0: No”, key pad control is unable in standby display.</td>
</tr>
<tr>
<td>1 : Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td><strong>4. Normal Rank Pts</strong></td>
<td>※ Configuring how many point is added to customers.</td>
</tr>
<tr>
<td>Normal Rank Pts</td>
<td>3 digit</td>
</tr>
<tr>
<td>Visit Points : 0P</td>
<td></td>
</tr>
<tr>
<td><strong>5. Rank A Pts</strong></td>
<td>※ Configuring how many point is added to Rank A customers.</td>
</tr>
<tr>
<td>A Rank Visit Pts</td>
<td>3 digit</td>
</tr>
<tr>
<td>Visit Points : 0P</td>
<td></td>
</tr>
<tr>
<td><strong>6. Rank B Pts</strong></td>
<td>※ Configuring how many point is added to Rank B customers.</td>
</tr>
<tr>
<td>B Rank Visit Pts</td>
<td>3 digit</td>
</tr>
<tr>
<td>Visit Points : 0P</td>
<td></td>
</tr>
<tr>
<td><strong>7. Rank C Pts</strong></td>
<td>※ Configuring how many point is added to Rank C customers.</td>
</tr>
<tr>
<td>C Rank Visit Pts</td>
<td>3 digit</td>
</tr>
<tr>
<td>Visit Points : 0P</td>
<td></td>
</tr>
<tr>
<td><strong>8. Rank D Pts</strong></td>
<td>※ Configuring how many point is added to Rank D customers.</td>
</tr>
<tr>
<td>D Rank Visit Pts</td>
<td>3 digit</td>
</tr>
<tr>
<td>Visit Points : 0P</td>
<td></td>
</tr>
</tbody>
</table>
9. **Complete Setting**

Completing setting of “SUB Tran(Visit)” setting.
Completing setting of “SUB Tran(Visit)” setting.
If you want issue setting registration card of “SUB transaction setting”, press [Enter].
If you do not need issue it, press [Del].
## 9. Function Menu

### 9-1 Function Menu

Function Menu is shown after pressing the Menu button on standby mode.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Redeem Points</strong></td>
<td>※Redeem points from total point of royalty card.</td>
</tr>
<tr>
<td></td>
<td>※In regard to operation, please refer P41 “4-3 Redeem Points”.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2. Function Undo</strong></td>
<td>※This function is for undoing last transaction. If you mistype amount or point, this function is effective.</td>
</tr>
<tr>
<td></td>
<td>※In regard to operation, please refer P42 ”4-4 Function Undo”.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3. Accumulated Points</strong></td>
<td>※This function is for combing points of 2 or 3 cards to 1 card if customers have 2 or more cards.</td>
</tr>
<tr>
<td></td>
<td>※In regard to operation, please refer P50 ”4-7 Combing two or three cards”.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>4. Card Replacement</strong></td>
<td>※This function is for replacing a card which is not good print condition because of degradation or etc.</td>
</tr>
<tr>
<td></td>
<td>※In regard to operation, please refer P52 ”4-8 Dirty or Damaged Card”.</td>
</tr>
<tr>
<td>Function Menu</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td></td>
</tr>
<tr>
<td><strong>5. Re-initialize Card</strong></td>
<td>※ If card is unnecessary, the card can be initialized by using this function.</td>
</tr>
</tbody>
</table>
| Re-initialize Card  
Insert Old Card | ※In regard to operation, please refer P55 ”4·9 Unnecessary Card”. |
| **6. Data to SD** | ※This function is that transferring transaction data in STA to SD card. |
| Data To SD  
Start?  
Quit : Del  
OK : Enter | ※If the setting “21.Store Data in SD” in “MAIN Setting” is OFF, display show “No SD card Setting Used”. |
| **7. SD Card Status** | ※Number of data in SD card and free capacity in SD card are shown on display. |
| SD Card Status :  
YY/MM/DD~YY/MM/DD  
Used : XXX  
Free : XXX | <Caution>  
This function can be used the setting “21.Store Data in SD” in “MAIN Setting” is ON.  
※If the setting “21.Store Data in SD” in “MAIN Setting” is OFF, display shows “No SD card Setting Used”. |
| **8. Cleaning** | ※This Function is for machine cleaning. |
| Cleaning  
Insert  
Cleaning Card | ※Cleaning action begins after a cleaning card is inserted in case that left display is shown. |
<table>
<thead>
<tr>
<th>Function Menu</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>9. Printing Test</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>10. Time Setting</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>11. Data To Server</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
### 12. Category Setting

※Choosing items of summary.
(Password = Shop No.)

<table>
<thead>
<tr>
<th>Category Setting</th>
<th>Password</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter Pswd :</td>
<td>Quit : Del</td>
</tr>
<tr>
<td>Enter</td>
<td>OK : Enter</td>
</tr>
</tbody>
</table>

First, press the password and Enter .
(password = Shop No.)

After that, items are shown on the display.
(1~22) (Default : all selected)

After Choose items, press Enter .
(To choose item, enter item No.)

To complete setting, press Check .

If you want issue setting card, press Enter .

To go back to stand-by mode, press Del .

### 13. Service Setting

※Assign various service settings
(Password = Shop No.)

<table>
<thead>
<tr>
<th>Service Setting</th>
<th>Password</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter Pswd :</td>
<td>Quit : Del</td>
</tr>
<tr>
<td>Enter</td>
<td>OK : Enter</td>
</tr>
</tbody>
</table>

First, press the password and Enter .
(password = shop No.)

1. Normal
   You can set point multiplier when amount is over the designated number.

2. Special Day
   You can set point multiplier of designated day or day of the week.

3. Special Month
   Setting point multiplier for Special Month.
   You can set point multiplier and name(※) of Special Month.
   ※Name of Special Month is one letter.
   To set Special Month to cards, setting “Special
Month Pts” in “MAIN Setting” must be ON.

④ Monthly Goal
Setting bonus point for achieving total amount (Term is One Month)
If customer can get point if they achieve monthly goal during in a month. (MAX 5 settings)
Over $100 unit is counted, but $10 unit is cut off.
※ From new month, total amount for monthly goal is cleared.

⑤ Time Period(※ Date only)
Setting multiplier during designated period.
(MAX 5 settings.)

⑥ Birthday
Setting multiplier of Birthday Transaction.
※ To use this function, “12. Birthday Setting” in “SUB Trans Setting” must be ON.

14. Review Summary
※ Showing Summary on display and issuing summary card

By pressing , pages will go back or next.

To issue summary card, press and enter the password (shop No.).

After that, insert a new card and summary card is issued.
<table>
<thead>
<tr>
<th>15. Re-Issue Card</th>
<th>※This function is reissuing member card for a card which cannot be read magnetic data.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-Issue Member Card</td>
<td></td>
</tr>
<tr>
<td>Enter Pswd:</td>
<td></td>
</tr>
<tr>
<td>OK:Enter</td>
<td></td>
</tr>
<tr>
<td>(Password = Shop No.) ※In regard to operation, please refer P52 &quot;4-8 Dirty or Damaged Card&quot;.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>16. Loop-Issue Card</th>
<th>※This function is for issuing new member card in advance.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loop-Issue New Card</td>
<td></td>
</tr>
<tr>
<td>Enter Pswd:</td>
<td></td>
</tr>
<tr>
<td>OK:Enter</td>
<td></td>
</tr>
<tr>
<td>※In regard to operation, please refer P30 &quot;4-1 Issue a New Card&quot;</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>17. Message Setting</th>
<th>※Setting messages which are printed on a member card By pressing , pages will go back or next.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Message Setting</td>
<td></td>
</tr>
<tr>
<td>1. Message 1</td>
<td></td>
</tr>
<tr>
<td>2. Message 2</td>
<td></td>
</tr>
<tr>
<td>3. Gift P Message</td>
<td></td>
</tr>
<tr>
<td>4. Rank Name</td>
<td></td>
</tr>
<tr>
<td>5. Achieve Goal 1</td>
<td></td>
</tr>
<tr>
<td>6. Achieve Goal 2</td>
<td></td>
</tr>
<tr>
<td>7. Achieve Goal 3</td>
<td></td>
</tr>
<tr>
<td>8. Achieve Goal 4</td>
<td></td>
</tr>
<tr>
<td>9. Achieve Goal 5</td>
<td></td>
</tr>
<tr>
<td>Items of Message Setting are</td>
<td></td>
</tr>
<tr>
<td>1. Message 1 (12 letters ×2 lines)</td>
<td></td>
</tr>
<tr>
<td>2. Message 2 (12 letters ×2 lines)</td>
<td></td>
</tr>
<tr>
<td>3. Gift P Message</td>
<td></td>
</tr>
<tr>
<td>4. Rank Name</td>
<td></td>
</tr>
<tr>
<td>5<del>9 Achieve Goal 1</del>5 (5 settings)</td>
<td></td>
</tr>
<tr>
<td>※In regard to operation, please refer P68 &quot;7-4 Change Message&quot;</td>
<td></td>
</tr>
</tbody>
</table>
### 18. Maintenance

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issue Maintenance</td>
<td>※Print and store maintenance information in a card.</td>
</tr>
</tbody>
</table>

#### Issue Maintenance

- **Password**
- **Enter Pswd**
- **Quit/Del**
- **OK/Enter**

※If you send back STA to sales representative in case of occurring problem, please issue Maintenance Card and Summary Card, and keep it.

(Password = Shop No.)

※Setting “Store Data in STA” is ON, display shows “Data To Server” after issuing Summary Card.

If you send data to PC, press ![Enter].
If you do not, press ![Del].
(Transaction data is transferred to SD card if you do not send data to PC.)

### 19. Returning Goods

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insert Member Card</td>
<td>※This function is used to correct and add return history in transaction data.</td>
</tr>
</tbody>
</table>

#### Returning Goods

- **Insert**
- **Member Card**

※In regard to operation, please refer P43 “Returning Goods” in “4-4 Function Undo”.
If the function “Return enabled” is OFF, left message is shown.

### 20. Operation Setting

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set Operation Mode</td>
<td>※Switch Normal or Practice mode</td>
</tr>
</tbody>
</table>

#### Set Operation Mode

- **Password**
- **Enter Pswd**
- **Quit/Del**
- **OK/Enter**

First, press password.
(password = Shop No.)

0 : Normal  1 : Practice  (Default : 0)
After select “1” or “2”, press ![Enter].
After “Pi Pi” sounds, the setting is done.
## Function Menu

**Practice Mode**

When STA is “Practice Mode”, The word “Practice Mode” is shown top on the display. In Practice Mode, only practice card can be used.

### 21. Bad Card Setting

- **Register Bad Card**
  - (This function is usually used when customers miss their cards to prevent the card from being used by other people.)

<table>
<thead>
<tr>
<th>Badlist Setting Card</th>
</tr>
</thead>
<tbody>
<tr>
<td>Password</td>
</tr>
<tr>
<td>Enter Pwd :</td>
</tr>
<tr>
<td>Quit:Del OK:Enter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Badlist Setting Card</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last Data</td>
</tr>
<tr>
<td>0000-00-0000000</td>
</tr>
<tr>
<td># of Register :</td>
</tr>
<tr>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Badlist Setting Card</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shop ID : 0000</td>
</tr>
<tr>
<td>Quit:Del OK:Enter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Badlist Setting Card</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001-01-0000001</td>
</tr>
<tr>
<td>1. Register</td>
</tr>
<tr>
<td>2. Not Register</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Badlist Setting Card</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001-01-0000001</td>
</tr>
<tr>
<td>1. Delete</td>
</tr>
<tr>
<td>2. Not Delete</td>
</tr>
</tbody>
</table>

※ ”Badlist Setting Card” will be shown after enter password and press Enter .

1. **Bad Card Registration**
   - “Last Data” means last registered or deleted from badlist Member ID.
   - “# of Register” means currently registered numbers in STA.
   - Press Enter , and display will go on to registering.
   - After that, enter following 3 items.
     ① Shop ID(4 digit)  ② STA ID(2digit)  ③ Member ID(7digit)
   - Choose “1. Register” and go on to Issuing Badlist Setting Card.

   **※Badlist Setting Card must be issued.**

   **This is used deleting from badlist.**

2. **Delete from Badlist**
   - Enter 3 items, and press Enter .
   - (The same procedure as registration)
   - After that, Choose “1.Delete” and press Enter .

※MAX 1000 members registration
※If you want to check setting, press Quit , and choose “6. Fraud Prevention”.
<table>
<thead>
<tr>
<th>Function Menu</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>22. Set Print &amp;Erase</strong></td>
</tr>
<tr>
<td>You can check last Bad Card No. and number of Registration.</td>
</tr>
<tr>
<td>※Adjusting Print &amp; Erase Energy</td>
</tr>
<tr>
<td>※In regard to operation, please refer P66 “7-3 Adjust Print and Erase Energy”</td>
</tr>
<tr>
<td><strong>23. Buzzer Setting</strong></td>
</tr>
<tr>
<td>※Switch ON or OFF of STA buzzer.</td>
</tr>
<tr>
<td>(Password=Shop No.)</td>
</tr>
<tr>
<td>0 : Silent  1 : Sound  (Default : 1)</td>
</tr>
<tr>
<td>※In case of choosing “0:silent”, STA only sounds start-up buzzer “Pi Pi”.</td>
</tr>
<tr>
<td><strong>24. Restore Card</strong></td>
</tr>
<tr>
<td>※Unreadable card can be restored by using new card and this function</td>
</tr>
<tr>
<td>(Be careful!! Some cards cannot be restored.)</td>
</tr>
<tr>
<td>First, enter password and press Enter.</td>
</tr>
<tr>
<td>After that, insert unreadable card.</td>
</tr>
<tr>
<td>In case STA recognizes the card, insert it.</td>
</tr>
<tr>
<td>Next, the message “Restore it with New Card?” will be shown.</td>
</tr>
<tr>
<td>Then press Yes and the card is ejected.</td>
</tr>
<tr>
<td>After this operation, the unreadable card is not used.</td>
</tr>
<tr>
<td>(To reuse, Re-initialize Operation is needed.)</td>
</tr>
</tbody>
</table>
Finally, the message “Insert New Card” will be showed, so insert new card or re-initialized card. After that, the data and the print are written on the newly inserted card.

### 25. Restore Data

※To prevent transaction data from losing by SD card error, STA can back up it.
In this function, STA can restore the data to SD card.
Maximum number of back up data is last 1000 transaction.

This function is valid when settings “Store Data in STA” and “Store Data in SD” are ON.

First, enter the password (=Shop No.) and press Enter.

Next, message “Restore SD With STA Data?” will be shown, and press Enter.

Finally, message “Overwrite Data of SD Card. ” will be shown, and press Enter.
After that, data is transferred to SD and restored.

<<Caution!!>>
Before restore the data to SD card, please back up the data in SD card.
## 10. Error Messages and Coping

### 10-1 System Error

<table>
<thead>
<tr>
<th>Message</th>
<th>Content</th>
<th>What to Do</th>
</tr>
</thead>
</table>
| Encryption Not Set  
Set It For Cards  
To Be Accepted | STA ID are not set. | Please contact sales representative. |
| STA Setting Not Set  
Set It For Cards  
To Be Accepted | STA No. is not set. | Set STA No. in “Setting Menu”.  
※In regard to operation, please refer P72 “STA Setting Operation” |
## 10-2 Card Caused Error

<table>
<thead>
<tr>
<th>Message</th>
<th>Content</th>
<th>What to Do</th>
</tr>
</thead>
<tbody>
<tr>
<td>Error occurred in magnetic data. (Detail of ERROR: XX) 40: S S Error 41: E S Error 42: V R C Error 43: L R C Error 45: No Readable Data 47: Data Mismatch, Verify Fail</td>
<td>Please re-issue or issue new card after check content of error. ※ERROR from 40 to 43 can be solved by cleaning.</td>
<td></td>
</tr>
<tr>
<td>Card Expired! XXX : MM/DD/YYYY 1. OK, To Update 2. Expired, No Update</td>
<td>Varid date of the inserted card is expired. In regard to operation, please refer P43 “4-5 Card Expiration”</td>
<td></td>
</tr>
<tr>
<td>Point Expired! XXX : MM/DD/YYYY 1. OK, To Update 2. Expired, No Update</td>
<td>Varid date of the point of inserted card is expired. ※In regard to operation, please refer P43 “4-5 Card Expiration”</td>
<td></td>
</tr>
<tr>
<td>Message</td>
<td>Content</td>
<td>What to Do</td>
</tr>
<tr>
<td>---------</td>
<td>---------</td>
<td>------------</td>
</tr>
<tr>
<td><strong>Card Caused Error</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Expired Extended &gt; Max</strong></td>
<td>Extended count is over.</td>
<td>Choose 1 or 2. After choose 1 or 2, transaction will continue. 1.Reset…Extend count is reset. 2.Cancel…Extend count keep 99.</td>
</tr>
<tr>
<td>Extended Count : XX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Reset</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Cancel</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Card Type : Used</strong></td>
<td>Used card is inserted. Used…ex) accumulation operated card.</td>
<td>Insert an appropriate card</td>
</tr>
<tr>
<td><strong>This card cannot be used.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Card Type : Used</strong></td>
<td>Not appropriate card is inserted. (Ex: Re-issued card, Black out card, Cannot read/write)</td>
<td>Insert an appropriate card.</td>
</tr>
<tr>
<td><strong>Cannot Do Further Return</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Zero Point Card</strong></td>
<td>Not acceptable card is inserted when the function “Redeem Point” is operated.</td>
<td>Insert acceptable card.</td>
</tr>
<tr>
<td><strong>Cannot Redeem</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Zero Point Card</strong></td>
<td>Pointless or expired card is inserted in case the function “Returning Goods” is operated.</td>
<td>Insert acceptable card.</td>
</tr>
<tr>
<td><strong>Cannot Return Goods by This Card.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Initialized Card</strong></td>
<td>Initialized card is not acceptable in “Visit Mode”.</td>
<td>Insert an issued card.</td>
</tr>
<tr>
<td><strong>Cannot Do Further Return</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Issue</td>
<td>Description</td>
<td>Resolution</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
<td>------------</td>
</tr>
<tr>
<td>Operation Mode is wrong. Cannot Do Further Return</td>
<td>Different mode card was inserted.</td>
<td>Make sure STA operation mode and card type. Insert matched card to operation mode.</td>
</tr>
<tr>
<td>CODE X</td>
<td>Error occurred in magnetic data. CODE : XX 45 : No Readable Data 47 : Data Mismatch, Verify Fail</td>
<td>Please re-issue or issue new card after checking content of error.</td>
</tr>
<tr>
<td>CODE 40 Cannot Read/Write Card Error or Clean Mag Head</td>
<td>Error occurred while reading magnetic data. Clean the magnetic head and make sure that magnetic stripe is clean.</td>
<td>If the card has a problem, “re-issue card” or “restore card”. If the magnetic head is dirty, clean it with a cleaning card or a cleaning pen.</td>
</tr>
<tr>
<td>Member Card Can Read Mag Data. No Need Restore</td>
<td>Readable card is inserted in the function “Restore Card”</td>
<td>Check the card. If card data is readable, “Card Replacement” in Function Menu should be done.</td>
</tr>
</tbody>
</table>
# 10-3 Memory Card Error

<table>
<thead>
<tr>
<th>Message</th>
<th>Content</th>
<th>What to Do</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD Card InformationMismatched</td>
<td>Management data in SD is different because of being used in other STA.</td>
<td>Format the SD card, and delete the data, or insert SD card in appropriate STA.  ※(Backup the data, before format SD or delete data)</td>
</tr>
<tr>
<td>SD Card Data Created</td>
<td>Data is sent to this SD with this STA. Previous data is inside in SD.</td>
<td>Format the SD card and delete the data, or use other SD card. If data is continued, press Enter .</td>
</tr>
<tr>
<td>SD Card Data &gt; MAX</td>
<td>Number of data in SD are reached full.</td>
<td>Send data to PC, or after formatting the SD card, delete data or use other SD card.  ※(Backup the data, before format SD card or delete data)</td>
</tr>
<tr>
<td>SRAM+SD Memory &gt; MAX</td>
<td>Number of data in STA and SD card are reached full. So, data cannot be stored anywhere.</td>
<td>Format the SD card and delete the data, or use other SD card.  ※(Backup the data, before format SD card or delete data)</td>
</tr>
<tr>
<td>SD Card Data Trouble</td>
<td>Data in SD card has problem.</td>
<td>Format the SD card and delete the data, or use other SD card.  ※(Backup the data, before format SD card or delete data)</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
<td>Action</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
<td>--------</td>
</tr>
<tr>
<td>ERROR XX</td>
<td>Error occurred during accessing SD card.</td>
<td>Format the SD and delete the data, or use other SD. ※(Backup the data, before format SD or delete data)</td>
</tr>
<tr>
<td>Change New One.</td>
<td>Error occurred in case of accessing SD card.</td>
<td>Error occurred in STA or SD card. Please use other one.</td>
</tr>
</tbody>
</table>
## 10-4 Other Errors

<table>
<thead>
<tr>
<th>Message</th>
<th>Content</th>
<th>What to Do</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERROR34</td>
<td>Card Insert Error</td>
<td>Insert card appropriately. Check the card condition and insertion direction. Make sure that</td>
</tr>
<tr>
<td></td>
<td></td>
<td>the card is for STA or not.</td>
</tr>
<tr>
<td>ERROR36</td>
<td>Abnormal card is inserted.</td>
<td>Insert card appropriately. Check the card condition and insertion direction. Make sure that</td>
</tr>
<tr>
<td></td>
<td></td>
<td>the card is for STA or not.</td>
</tr>
<tr>
<td>ERROR60</td>
<td>Card got stuck in STA.</td>
<td>Turn off, open cover and remove the card. If inside of STA is dirty, please clean.</td>
</tr>
<tr>
<td>ERROR!!</td>
<td>STA cover is opened.</td>
<td>Turn off, close STA cover and turn on again.</td>
</tr>
<tr>
<td>ERROR XX XXXXXXXX</td>
<td>Other errors (Details of XX)</td>
<td>Please contact sales representative.</td>
</tr>
<tr>
<td></td>
<td>03: Thermal Head Temperature Low</td>
<td></td>
</tr>
<tr>
<td></td>
<td>53 : High Temperature On Thermal Head</td>
<td></td>
</tr>
<tr>
<td></td>
<td>62 : Thermal Head Movement Error</td>
<td></td>
</tr>
<tr>
<td></td>
<td>65 : ROM Error</td>
<td></td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
<td>Solution</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>PassWord Error!</td>
<td>Incorrect password is entered.</td>
<td>Enter correct password.</td>
</tr>
<tr>
<td>Practice Mode</td>
<td>Selected function is not available in “Practice Mode”.</td>
<td>Switch mode “Practice” to “Normal” in “Operation Mode”.</td>
</tr>
<tr>
<td>CODE 32</td>
<td>Card size is not appropriate.</td>
<td>Use appropriate size card.</td>
</tr>
<tr>
<td>CODE 37</td>
<td>Inserted card is not cleaning card.</td>
<td>Insert cleaning card.</td>
</tr>
<tr>
<td>CODE XX</td>
<td>Other errors: 03 : Thermal Head Temperature Low</td>
<td>Please contact sales representative.</td>
</tr>
<tr>
<td></td>
<td>53 : High Temperature On Thermal Head</td>
<td></td>
</tr>
<tr>
<td></td>
<td>62 : Thermal Head Movement Error</td>
<td></td>
</tr>
<tr>
<td></td>
<td>65 : ROM Error</td>
<td></td>
</tr>
<tr>
<td>Mag Head May be Dirty Please Clean.</td>
<td>Magnetic head may be dirty.</td>
<td>Please clean magnetic head with a cleaning card and a cleaning pen.</td>
</tr>
<tr>
<td></td>
<td>※ If error continue even after cleaning, please check the card.</td>
<td></td>
</tr>
<tr>
<td>CODE 51</td>
<td>Printing letter on data is over the regulation area.</td>
<td>Please contact sales representative.</td>
</tr>
<tr>
<td></td>
<td>Printing Data &gt; MAX Printing Area</td>
<td></td>
</tr>
</tbody>
</table>
Read Error (In case Card is Inserted)

If Read Error is occurred, please take the following operation.

Case: After a card is inserted, the message “Cannot Read/Write” is shown on LCD. Message example is below. (CODE 41 or 43)

- Eject the error card.
- Insert a cleaning card.

If there is no cleaning card in you office, press . The display will go back to “Insert Member Card” and you can use usually. However, please check the following items.

※If the error is occurred, please check the 3 following items.
① Is there any scratch or bent mark?
② Is there any dust on the card?
③ There may be dust in internal machine.
   Clean inside the machine.

To make sure the card has a problem or not, insert the same card.

If the same error is occurred again and again, magnetic data seemed to be broken. Please re-issue the member card. (Refer to P52)
Error in Reading Card Data

Please take the following operation in case error is occurred during updating card.

Insert a cleaning card.
(If there is not cleaning card with you, press . Go back to stand-by mode, but please check P117.)

Insert the error card.

It will go back to stand-by mode if error is solved.
(Error of the reason : Dirtiness of inside STA)

Insert cleaning card again.
(If there is not cleaning card with you, press . Go back to stand-by mode, but please check P117.)

In case of the reason why magnetic data was broken by magnet (not dirtiness of inside STA), the message “Insert new card” will be shown on LCD.

Insert new card.
※Transfer old card data to new card.

In case re-issue operation is successful, point data is transferred to new card.
In case transaction isn’t completed, insert new card and add point.

※Because card printed “Can Not Write” cannot be used, discard it.
Other Errors

Recover Blackout

During printing or updating on a card, the power is turned off, in case that LCD shows “Recover Blackout”

Insert a new card, and the old card data is transferred to inserted the new card.

In case re-issue operation is successful, point data is transferred to new card. In case not of completing the transaction, insert new card and add point.
Cover Opened

In case the LCD shows “Cover Opened!” on standby mode,

ERROR !!
Cover Opened !

After making sure if the cover is closed, please turn the power off.

ERROR !!

After turn the power on again, in case some troubles happen many times, please contact sales representative. There is possibility of machine trouble.
Procedure of Taking Over Setting

※Setting has to be taken over when installing new STA or using alternative STA.
In the case, please operate the following procedure.

Before operate the following procedure, please prepare some new cards.

<Issuing Setting Registering Cards with your machine>(MAIN&SUB)
1. Issue MAIN Setting Card
   ① Turn off STA.
   ② Turn on STA with pressing .
   ③ Press to choose “3.STA Details” in “Setting Menu”.
   ④ Press password and .
   ⑤ Press to choose “1.MAIN Setting”.
   ⑥ In “MAIN Setting”, only press .
   ⑦ The message “(MAIN Card)Ready to Issue?” is shown on LCD after “Pi Pi” sounds.
      After that, press .
   ⑧ The message “Insert Card” will be shown, then insert new card.
      MAIN Setting card is ejected.
   ⑨ Press , and go back to “STA Setting”.

2. Issue SUB Setting Card
   ⑪ The message “(SUB Card)Ready to Issue?” is shown on LCD after “Pi Pi” sounds.
      After that, press .
   ⑫ The message “Insert Card” is shown, then insert new card.
      SUB Trans card is ejected.
   ⑬ Press three times, and go back to standby.

<Issuing Message Setting Card>
   ② Press to choose “Message 1”.

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③“Print Pattern” is shown on LCD, and press Enter.  
④After “Pi Pi” sounds, registered message (line-1) is shown and press Enter.  
⑤After “Pi Pi” sounds, registered message (line-2) is shown and press Enter.  
⑥After “Pi Pi” sounds, the message “Insert New Card” is shown, then insert a new card.  
⑦Press Enter, and go back to “Message Setting”.  
⑧Issue “Message2” setting card by the same way as “Message1”.  
※After issuing setting cards, press Enter and go back to stand-by mode.  

Before finishing issuing setting cards, please check and write down the following items.  
・Shop #  
・STA #  
・Member ID at present  

<Registering Setting Card to an Alternative STA>  
①Turn on STA with pressing Menu.  
②Press 3 to choose “3.STA Details” in “Setting Menu”.  
③Press password 4 6 5  and Enter.  
④Press 7 to choose “1.MAIN Setting”.  
⑤Press 1 to choose “1.Shop #”, and enter Shop # of STA(before used).  
⑥After that, press Enter.  
⑦Press 2 to choose “2. STA #”, and enter # of STA(before used) and press Enter.  
⑧Make sure that LCD shows “1.Shop # 2. STA # 3. Member ID”,  
and press Enter. (“Pi Pi” sounds)  

After that, the message “(MAIN Card) Ready To Issue?” is shown, and press Enter. In this case, setting card is not necessary.  
Press twice, and go back to stand-by mode.  
↓  
⑨In stand-by(Insert Member Card), insert setting cards(MAIN Setting Card, SUB Trans or SUB Trans(Visit) Card, Message Card etc.) and register setting.  
※Setting Procedure • • • After inserting each card, press Enter. (“Pi Pi” sounds.)
〈Caution〉
※In case of editing function keys, please change the setting.

<Function Key Initial Setting>
F1=Redeem Point
F2=Function Undo
F3=Card Replacement
F4=Data To SD
※Make sure that SD card is in STA or not.
   SD Card also must be alternated.

※In case not of needing setting cards, please re-initialize them.