



TEC Electronic Cash Register

MA-600 SERIES

Programming Manual

Document No. **EO3-11106**

Original **Dec., 2005**
(Revised)

PRINTED IN JAPAN

TOSHIBA TEC CORPORATION

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CAUTION!

1. *This manual may not be copied in whole or in part without prior written permission of TOSHIBA TEC.*
2. *The contents of this manual may be changed without notification.*
3. *Please refer to your local Authorised Service representative with regard to any queries you may have in this manual.*

1. INTRODUCTION

This programming manual is provided for salespersons, field engineers, and other personal as supplementary manual for TOSHIBA TEC Electronic Cash Register MA-600 series.

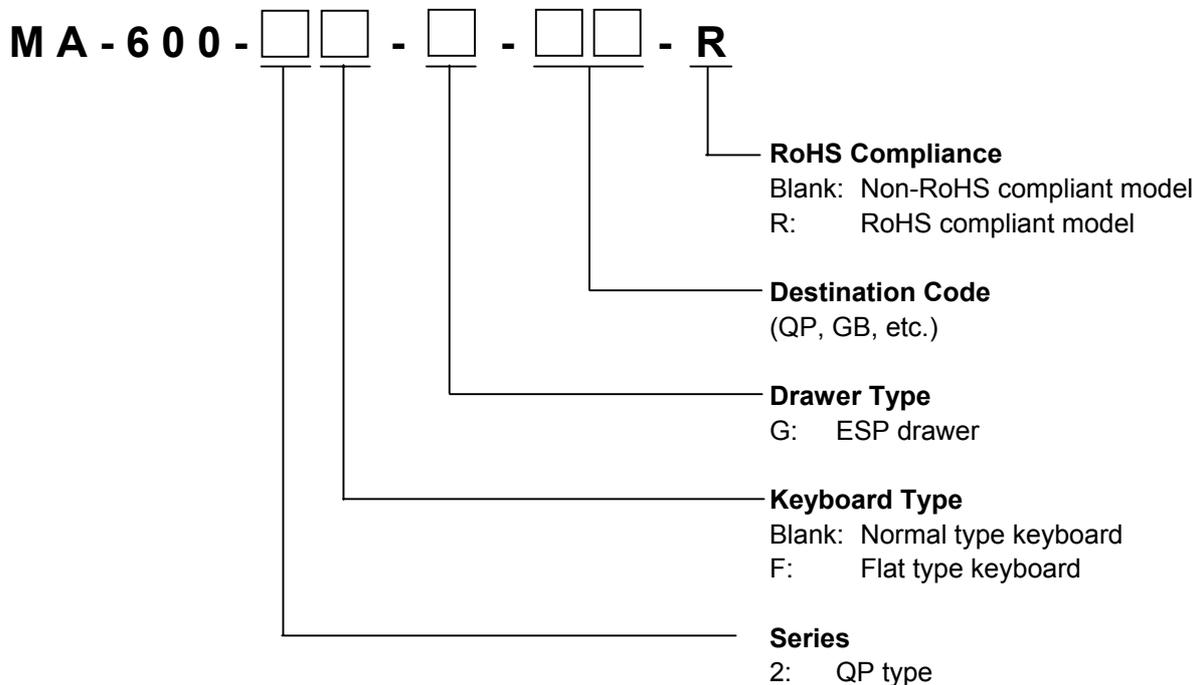
Reading through the MA-600 Owner's Manual is recommended in order to thoroughly understand the descriptions in this manual.

1.1 Main Features

- This ECR adopts an LCD display (192 x 64 dots), which displays a maximum of 24 one-byte characters by 4 lines.
- A PC is connectable to the ECR with USB connection.
- Files for up to 40 departments, 1000 PLUs, and 8 cashiers can be controlled.
- Consignment print feature is supported. (Immediately after performing the Department/PLU entry or finalizing a sale, the **[CONSIGNMENT]** key depression leads to an issuance of a receipt only for the entry or sale finalization just performed.)
- Key-in tone at the registering operation and error tone are selectable from High (standard setting), Low, and OFF.
- Key sticker printing feature is adopted.

1.2 Description of Model Number

1.2.1 Terminal Model Number



2. SPECIFICATIONS

SIZE:	410 mm (width) x 442 mm (depth) x 291 mm (height) (height including rubber feet) Height when the customer display is fully raised: 351 mm
WEIGHT:	Approximately 13.6Kg
POWER REQUIREMENT:	AC 220 V to AC 230 V $\pm 10\%$; 50/60 Hz $\pm 10\%$ (QP model) AC 230 V $\pm 10\%$; 50/60 Hz $\pm 10\%$ (GB model) AC 240 V $\pm 10\%$; 50/60 Hz $\pm 10\%$ (AU model) (varies depending on the destination)
POWER CONSUMPTION:	Standby: 8.2 W (0.08 A), Operating: 35 W (0.23 A)
BATTERY:	
Type -----	Lithium-vanadium battery
Life -----	5 years
Back-up duration -----	1 month (in case of full charge)
Charge method -----	Inserting the power plug into an outlet
Full charge time -----	48 hours or more
AMBIENT TEMPERATURE:	0°C to 40°C
RELATIVE HUMIDITY:	10 % to 90 % (No condensation)
PRINTER:	
Model -----	FTP-628MCL113 (FUJITSU)
Number of stations -----	2 stations (Receipt and Journal)
Print method -----	Thermal direct printing
Effective print width -----	48 mm
Total Number of dots -----	384 dots/line
Dot pitch -----	0.125 mm (8 dots/mm)
Dot size -----	0.125 mm x 0.12 mm
Print speed -----	Max. 60 mm/sec.
Printable digits -----	32 one-byte characters per line
Character components -----	12 (width) x 24 (height) dots
Character spacing -----	0 mm (No space)
Line spacing -----	3.6 mm/line
Character size (one-byte character) -----	1.5 mm (W) x 3.0 mm (H)
Receipt cutting method -----	Manual cutting
Size of store name logo -----	48 mm (W) x 15 mm (H) 384 dots (W) x 120 dots (H)
Paper loading method -----	Drop-in method

PAPER ROLL (RECEIPT and JOURNAL)

Media-----	Thermal roll paper
Width -----	58 +0/-1 mm
Thickness-----	0.060 mm to 0.075 mm
Outside dimension -----	80 mm or less
Recommended thermal paper -----	Only paper rolled onto a core is acceptable, however, the paper end should not be pasted to the core.
	Standard paper:
	TF60KS-E (Nippon Paper Industries)
	PD150R (Oji Paper Co., Ltd)
	High-sensitive paper:
	TF50KS-E4 (Nippon Paper Industries)
	Medium-term preserving paper:
	TP60KS-F1 (Nippon Paper Industries)
	P220VBB-1 (MITSUBISHI PAPER MILLS LIMITED)
	PD170R (Oji Paper Co., Ltd)
	Long-term preserving paper:
	TP50KJ-R (Nippon Paper Industries)
	PD152R (Oji Paper Co., Ltd)
	PD160R-N (Oji Paper Co., Ltd)
	AFP-235 (MITSUBISHI PAPER MILLS LIMITED)
	HA220AA (MITSUBISHI PAPER MILLS LIMITED)

DISPLAY:

Operator Display	
Upper row -----	LCD display (192 x 64 dots) SET, X, Z BLIND mode: 24 one-byte characters x 4 lines REG, MGR, <input type="checkbox"/> mode: 16 one-byte characters x 2 lines
Lower row -----	10-digit 7-segment fluorescent display Display colour: Amount portion (Green) DPT and X portions (Yellow) Conditions (Red and Green)
Amount-----	8 digits (7 digits for registering) Department code: 2 digits Repeat count: 1 digit
Customer Display	
Lower row -----	7-digit 7-segment fluorescent display Display colour: Amount portion (Green) Conditions (Red and Green)
Amount-----	7 digits

KEYBOARD:

Number of keys-----	Ordinary type keyboard: max. 66 keys Flat type keyboard: max.106 keys
Mode Lock -----	8 positions

DRAWER:

The size of the drawer and the specifications of the money case vary depending on the individual product standard.

Drawer-open detector ----- Provided

3. CAPACITIES

3.1 Indexing Capacities

Input Item	Digits	Remarks
Amount	7	
Quantity in Multiplication	6	3 integer digits + 3 decimal digits (0.001 to 999.999)
Unit Price in Multiplication	6	
Tender Media Keys	8	
Non-add Number	18	
Percent Rate	5	2 integer digits + 3 decimal digits (0.001 to 99.999%)
VAT Rate	4	2 integer digits + 2 decimal digits (0.01 to 99.99%)
PLU Code	4	
Cashier Code	4	2-digit cashier's own secret code (01 to 99) + 2-digit manager-assign code (01 to 08)
Salesperson Code	2	1 to 30
Department Code	2	1 to 40
Group Code	2	1 to 15

3.2 Basic Memory Capacities

(NOTE: For Item Count below, "6 + 2 digits" means that it has 6 integer digits and 2 decimal digits.)

Group Memory (Group Name: 12 characters; max. 15 groups)

Memory Type	Counter or Total	Digits	
Daily Memory	Item Count	6 + 2	
	Amount	10	
	Group Total	Item Count	6 + 2
		Amount	10
GT Memory	Item Count	6 + 2	
	Amount	10	
	Group Total	Item Count	6 + 2
		Amount	10

Department Memory (Department Name: 16 characters; max. 40 departments)

Memory Type	Counter or Total	Digits
Daily Memory	Customer Count	6
	Item Count	6 + 2
	Amount	10
GT Memory	Customer Count	6
	Item Count	6 + 2
	Amount	10

PLU Memory (PLU Name: 16 characters; max. 1000 PLUs)

Memory Type	Counter or Total	Digits
Daily Memory	Item Count	6 + 2
	Amount	10

Hourly Range Memory (max. 24 hour ranges)

Memory Type	Counter or Total	Digits
Daily Memory	Customer Count	6
	Item Count	6 + 2
	Amount	10

Salesperson Memory (Salesperson Name: 12 characters; max. 30 salespersons)

Memory Type	Counter or Total	Digits	
Daily Memory	Gross Sale	Item Count	6 + 2
		Amount	10
	Net Sale with Tax	Item Count	6 + 2
		Amount	10
	Return	Item Count	6 + 2
		Amount	10

3.3 Financial Memory

Name of Total/Counter	Counter Type	Daily		GT		Remarks
		Counter Digits	Total Digits	Counter Digits	Total Digits	
GT (Grand Total)			16		(16)	Non-resettable
NET GT (All-media Sales GT)			16		(16)	Non-resettable
NEG GT			16		(16)	Non-resettable
GS (Gross Sale)	ITEM	6 + 2	10	6 + 2	10	
Tax 1 to Tax 8			8 x 10		8 x 10	
Tax Total			10		10	
Net Sale with Tax	ITEM	6 + 2	10	6 + 2	10	
%+ (% I)	ENTRY	6	10	6	10	
%- (% II)	ENTRY	6	10	6	10	
Vender Coupon	ENTRY	6	10	6	10	
Amount Discount	ENTRY	6	10	6	10	
Negative Departments Total	ITEM	6 + 2	10	6 + 2	10	
Special Rounding			10		10	
All-media Sales	CUS	6	10	6	10	
Cash Sales	CUS	6	10	6	10	
Cheque Sales	CUS	6	10	6	10	
Credit Sales	CUS	6	10	6	10	
Misc. Media Sales	CUS	6	10	6	10	
Media-Coupon Sales	CUS	6	10	6	10	
Credit 1 Sales	CUS	6	10	6	10	
Credit 2 Sales	CUS	6	10	6	10	
Credit 3 Sales	CUS	6	10	6	10	
Credit 4 Sales	CUS	6	10	6	10	
Credit 5 Sales	CUS	6	10	6	10	
Received-on Account	ENTRY	6	10	6	10	
Paid-Out	ENTRY	6	10	6	10	
Cash-in-drawer			10			
Cash-in-drawer (Foreign Currency 1)			10			
Cash-in-drawer (Foreign Currency 2)			10			
Cash-in-drawer (Foreign Currency 3)			10			
Cash-in-drawer (Foreign Currency 4)			10			
Cash-in-drawer (Foreign Currency 5)			10			

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Financial Memory: (continued)

Name of Total/Counter	Counter Type	Daily		GT		Remarks
		Counter Digits	Total Digits	Counter Digits	Total Digits	
Cheque-in-drawer	ENTRY	6	10			
Cheque-in-drawer (Foreign Currency 1)	ENTRY	6	10			
Cheque -in-drawer (Foreign Currency 2)	ENTRY	6	10			
Cheque -in-drawer (Foreign Currency 3)	ENTRY	6	10			
Cheque -in-drawer (Foreign Currency 4)	ENTRY	6	10			
Cheque -in-drawer (Foreign Currency 5)	ENTRY	6	10			
Credit-in-drawer	ENTRY	6	10			
Credit-in-drawer (Foreign Currency 1)	ENTRY	6	10			
Credit-in-drawer (Foreign Currency 2)	ENTRY	6	10			
Credit-in-drawer (Foreign Currency 3)	ENTRY	6	10			
Credit-in-drawer (Foreign Currency 4)	ENTRY	6	10			
Credit-in-drawer (Foreign Currency 5)	ENTRY	6	10			
Misc. Media-in-drawer	ENTRY	6	10			
Misc. Media-in-drawer (Foreign Currency 1)	ENTRY	6	10			
Misc. Media -in-drawer (Foreign Currency 2)	ENTRY	6	10			
Misc. Media -in-drawer (Foreign Currency 3)	ENTRY	6	10			
Misc. Media -in-drawer (Foreign Currency 4)	ENTRY	6	10			
Misc. Media -in-drawer (Foreign Currency 5)	ENTRY	6	10			
Media-Coupon-in-drawer	ENTRY	6	10			
Media-Coupon-in-drawer (Foreign Currency 1)	ENTRY	6	10			
Media-Coupon-in-drawer (Foreign Currency 2)	ENTRY	6	10			
Media-Coupon-in-drawer (Foreign Currency 3)	ENTRY	6	10			
Media-Coupon-in-drawer (Foreign Currency 4)	ENTRY	6	10			
Media-Coupon-in-drawer (Foreign Currency 5)	ENTRY	6	10			
Credit 1-in-drawer	ENTRY	6	10			
Credit 2-in-drawer	ENTRY	6	10			
Credit 3-in-drawer	ENTRY	6	10			
Credit 4-in-drawer	ENTRY	6	10			
Credit 5-in-drawer	ENTRY	6	10			
Cash-in-drawer Difference			10			at Money Declaration
Cheque-in-drawer Difference			10			at Money Declaration

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Financial Memory: (continued)

Name of Total/Counter	Counter Type	Daily		GT		Remarks
		Counter Digits	Total Digits	Counter Digits	Total Digits	
Credit-in-drawer Difference			10			at Money Declaration
Misc. Media-in-drawer Difference			10			at Money Declaration
Media-Coupon-in-drawer Difference			10			at Money Declaration
Credit 1-in-drawer Difference			10			at Money Declaration
Credit 2-in-drawer Difference			10			at Money Declaration
Credit 3-in-drawer Difference			10			at Money Declaration
Credit 4-in-drawer Difference			10			at Money Declaration
Credit 5-in-drawer Difference			10			at Money Declaration
Item Correct	ENTRY	6	10	6	10	Item Correct on DP+/PLU+
Void	ENTRY	6	10	6	10	Void on DP+/PLU+
Misc. Void	ENTRY	6	10	6	10	Item Correct on others
All Void	ENTRY	6	10	6	10	
Store Coupon	ITEM	6	10	6	10	
Returned Merchandise	ITEM	6 + 2	10	6 + 2	10	
Negative Mode (<input type="checkbox"/>) Total	ENTRY	6	10	6	10	
%- on Line Items	ENTRY	6	10	6	10	
Amount Discount on Line Items	ENTRY	6	10	6	10	
Transfer Balance GT			10		(10)	Non-resettable
Transfer + GT			10		(10)	Non-resettable
Transfer - GT			10		(10)	Non-resettable
Transfer + Daily			10		10	
Transfer - Daily			10		10	
Previous Balance	CUS	6	10	6	10	
Previous Balance R/A			10		10	Payments made for PB
Previous Balance PO			10		10	PB refunded to customers
Taxable Total 1 to 8			8 x 10		8 x 10	
VAT 1 to 8			8 x 10		8 x 10	
VAT Total			10		10	
Net Sale without Tax			10		10	
Tax-exempted Customer	CUS	6		6		
VAT 1 to 8 Exempt			8 x 10		8 x 10	
Net Sale Item Count per Customer	ITEM	6 + 2		6 + 2		
All-media Sales per Cus.			10		10	
No-sale Counter	ENTRY	6				
Clear Key Counter	ENTRY	6				
Consignment Key Counter	ENTRY	6				
Validation Counter	ENTRY	6				

3.4 Cashier Memory

Name of Total/Counter	Counter Type	Daily		GT		Remarks
		Counter Digits	Total Digits	Counter Digits	Total Digits	
GS (Gross Sale)	ITEM	6 + 2	10	6 + 2	10	
Net Sale with Tax	ITEM	6 + 2	10	6 + 2	10	
%+ (% I)	ENTRY	6	10	6	10	
%- (% II)	ENTRY	6	10	6	10	
Vender Coupon	ENTRY	6	10	6	10	
Amount Discount	ENTRY	6	10	6	10	
Negative Departments Total	ITEM	6 + 2	10	6 + 2	10	
All-media Sales	CUS	6	10	6	10	
Cash Sales	CUS	6	10	6	10	
Cheque Sales	CUS	6	10	6	10	
Credit Sales	CUS	6	10	6	10	
Misc. Media Sales	CUS	6	10	6	10	
Media-Coupon Sales	CUS	6	10	6	10	
Credit 1 Sales	CUS	6	10	6	10	
Credit 2 Sales	CUS	6	10	6	10	
Credit 3 Sales	CUS	6	10	6	10	
Credit 4 Sales	CUS	6	10	6	10	
Credit 5 Sales	CUS	6	10	6	10	
Received-on Account	ENTRY	6	10	6	10	
Paid-Out	ENTRY	6	10	6	10	
Cash-in-drawer			10			
Cash-in-drawer (Foreign Currency 1)			10			
Cash-in-drawer (Foreign Currency 2)			10			
Cash-in-drawer (Foreign Currency 3)			10			
Cash-in-drawer (Foreign Currency 4)			10			
Cash-in-drawer (Foreign Currency 5)			10			
Cheque-in-drawer	ENTRY	6	10			
Cheque-in-drawer (Foreign Currency 1)	ENTRY	6	10			
Cheque -in-drawer (Foreign Currency 2)	ENTRY	6	10			
Cheque -in-drawer (Foreign Currency 3)	ENTRY	6	10			
Cheque -in-drawer (Foreign Currency 4)	ENTRY	6	10			
Cheque -in-drawer (Foreign Currency 5)	ENTRY	6	10			

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Cashier Memory: (continued)

Name of Total/Counter	Counter Type	Daily		GT		Remarks
		Counter Digits	Total Digits	Counter Digits	Total Digits	
Credit-in-drawer	ENTRY	6	10			
Credit-in-drawer (Foreign Currency 1)	ENTRY	6	10			
Credit-in-drawer (Foreign Currency 2)	ENTRY	6	10			
Credit-in-drawer (Foreign Currency 3)	ENTRY	6	10			
Credit-in-drawer (Foreign Currency 4)	ENTRY	6	10			
Credit-in-drawer (Foreign Currency 5)	ENTRY	6	10			
Misc. Media-in-drawer	ENTRY	6	10			
Misc. Media-in-drawer (Foreign Currency 1)	ENTRY	6	10			
Misc. Media -in-drawer (Foreign Currency 2)	ENTRY	6	10			
Misc. Media -in-drawer (Foreign Currency 3)	ENTRY	6	10			
Misc. Media -in-drawer (Foreign Currency 4)	ENTRY	6	10			
Misc. Media -in-drawer (Foreign Currency 5)	ENTRY	6	10			
Media-Coupon-in-drawer	ENTRY	6	10			
Media-Coupon-in-drawer (Foreign Currency 1)	ENTRY	6	10			
Media-Coupon-in-drawer (Foreign Currency 2)	ENTRY	6	10			
Media-Coupon-in-drawer (Foreign Currency 3)	ENTRY	6	10			
Media-Coupon-in-drawer (Foreign Currency 4)	ENTRY	6	10			
Media-Coupon-in-drawer (Foreign Currency 5)	ENTRY	6	10			
Credit 1-in-drawer	ENTRY	6	10			
Credit 2-in-drawer	ENTRY	6	10			
Credit 3-in-drawer	ENTRY	6	10			
Credit 4-in-drawer	ENTRY	6	10			
Credit 5-in-drawer	ENTRY	6	10			
Cash-in-drawer Difference			10			at Money Declaration
Cheque-in-drawer Difference			10			at Money Declaration
Credit-in-drawer Difference			10			at Money Declaration
Misc. Media-in-drawer Difference			10			at Money Declaration
Media-Coupon-in-drawer Difference			10			at Money Declaration
Credit 1-in-drawer Difference			10			at Money Declaration
Credit 2-in-drawer Difference			10			at Money Declaration
Credit 3-in-drawer Difference			10			at Money Declaration
Credit 4-in-drawer Difference			10			at Money Declaration
Credit 5-in-drawer Difference			10			at Money Declaration

-- continued on the next page --

Cashier Memory: (continued)

Name of Total/Counter	Counter Type	Daily		GT		Remarks
		Counter Digits	Total Digits	Counter Digits	Total Digits	
Item Correct	ENTRY	6	10	6	10	Item Correct on DP+/PLU+
Void	ENTRY	6	10	6	10	Void on DP+/PLU+
Misc. Void	ENTRY	6	10	6	10	Item Correct on others
All Void	ENTRY	6	10	6	10	
Returned Merchandise	ITEM	6 + 2	10	6 + 2	10	
Negative Mode ([-]) Total	ENTRY	6	10	6	10	
No-sale Counter	ENTRY	6				
Clear Key Counter	ENTRY	6				
Consignment Key Counter	ENTRY	6				
Validation Counter	ENTRY	6				
Money Declaration Counter	ENTRY	6				
Read Report Counter	ENTRY	4				
Reset Report Counter	ENTRY	4				

3.5 Others

Name of Total/Counter	Counter Type	Daily		GT		Remarks
		Counter Digits	Total Digits	Counter Digits	Total Digits	
Hourly Range Reset Counter	ENTRY	4				
PLU Reset Counter	ENTRY	4		4		
Department Reset Counter	ENTRY	4		4		
Financial Read Counter	ENTRY	4		4		
Financial Reset Counter	ENTRY	4		4		
Salesperson Reset Counter	ENTRY	4				

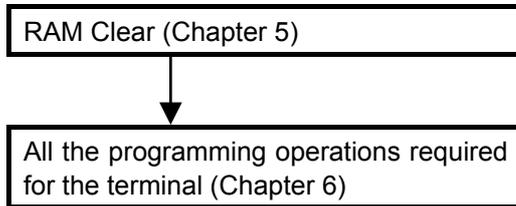
3.6 Memory Balance

1. GT (Grand Total) = Sum of Daily GS (Gross Sale)
2. NET GT = Sum of Daily Net Sales
3. NEG GT = GT – NET GT
4. GS (Gross Sale) = (Sum of Positive Depts) + (Sum of Add-on Taxes)^{NOTE 1}
5. Net Sale = GS – (Sum of Negative Depts) + (%+) – (%-) – (Vender Coupon)
 – (Amount Discount) + (Special Rounding Fraction)^{NOTE 2}
 = (Cash Sales) + (Sum of all other media sales) + (Previous Balance Sales)
 = (Sum of Hourly Sales)... If Financial Reset Report and Hourly Range Reset Report are taken at the same time.
6. Negative Mode Total = (Net Sale + Received-on-Account + Paid-Out) in Negative Mode
7. Net Sale without Tax (N.NS) = (Net Sale) – (Sum of VATs)...applicable only when the VAT feature is selected
8. Net Sale Item Count per Customer = (Item Count of Net Sale) ÷ (Customer Count of All-media Sales)
 All-media Sales per Customer = (Amount of All-media Sales) ÷ (Customer Count of All-media Sales)

NOTES: 1. *Applicable only when the Add-on Tax feature is selected.*
 2. *Special Rounding Fraction amounts for Received-on-Account and Paid Out transactions are not correctly processed into the memory.*

4. SYSTEM START-UP PROCEDURE

Case 1: To start-up using the MA-600 terminal only

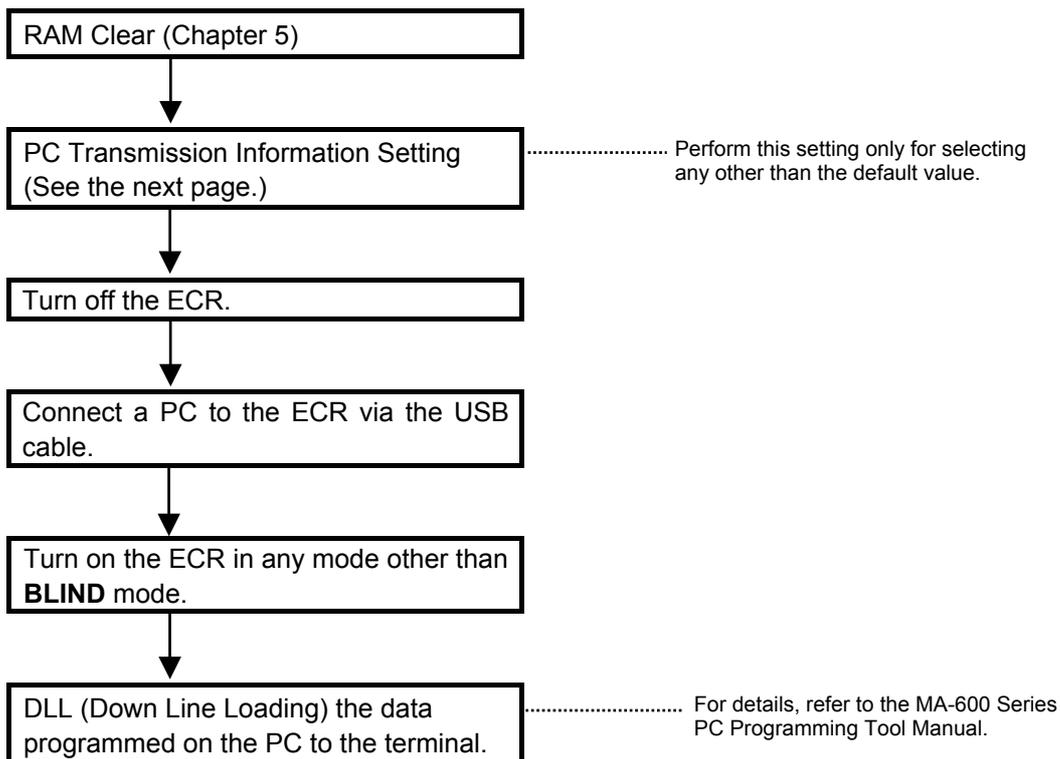


Case 2: To start-up by installing programming data from the PC

CAUTION!

< Precautions for connection to PC >

1. The USB cable should be connected to the ECR each time a PC sends/receives data to/from the ECR. If the USB cable is kept connected to the ECR for a long period of time, data transfer may not be performed properly.
2. When the ECR is connected to a PC with the USB cable, be sure to turn on the ECR in any mode other than **BLIND** mode. Otherwise, the ECR may not start.

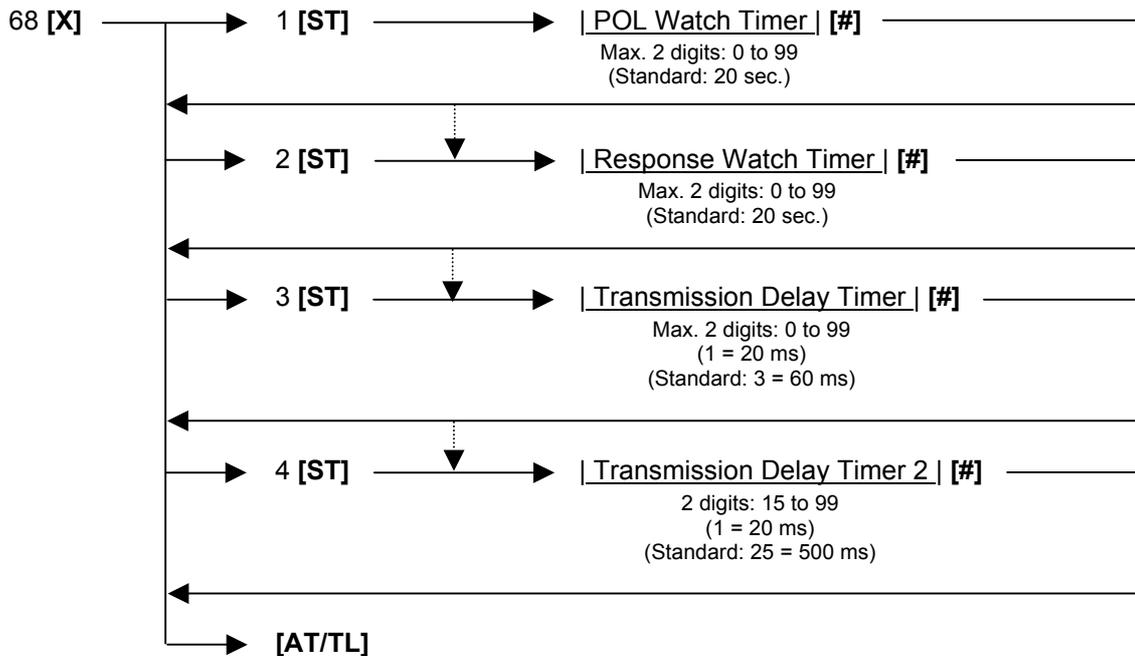


PC Transmission Information Setting

Data transmission information setting with a PC connection is performed here.

CONDITION Any time outside a sale

OPERATION Mode Lock: **BLIND**



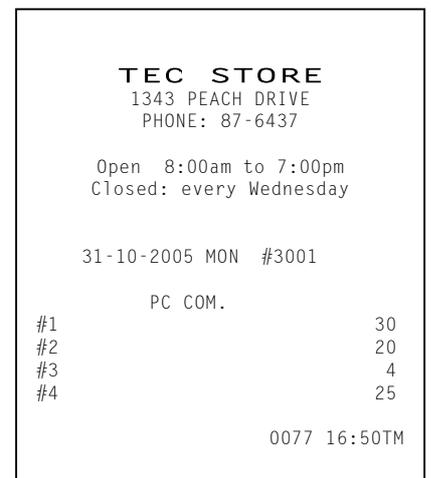
NOTE: When performing the key operation of 68 [X] [AT/TL], a receipt containing the currently programmed values is issued.

Example) To set the following values;

- POL Watch Timer: 30 (sec)
- Response Watch Timer: 20 (sec)
- Transmission Delay Timer: 4 (80 ms)
- Transmission Delay Timer 2: 25 (500 ms)

Key Operation: Mode Lock: **BLIND**, enter 68, depress [X].

- 1 [ST] 30 [#] POL Watch Timer
- 2 [ST] 20 [#] Response Watch Timer
- 3 [ST] 4 [#] Transmission Delay Timer
- 4 [ST] 25 [#] Transmission Delay Timer 2
- [AT/TL] To complete this setting



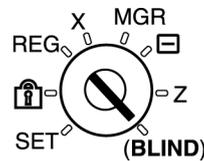
5. RAM CLEAR, DATA CLEAR, STATUS CLEAR

5.1 RAM Clear

CAUTION!
 This clear operation deletes **all programmed data and sales data** stored in the memory of the ECR. (i.e., the ECR goes back to initial status.)

If the ECR becomes completely inoperative due to battery discharge or malfunction of the program memory, the RAM Clear operation must be carried out. When the RAM Clear is operated, all memory stored in the RAM will be cleared. (i.e., the programmed data and the sales data) In the clearing process, the designated zero-amount format is reset. Also "Initial Data" and "Initial Status" for respective programming items are automatically reset. A RAM clear is also necessary to determine the type of the ECR keyboard.

1. Unplug the ECR to turn OFF.
2. Use the **S** key to turn the Mode Lock to "**BLIND**" position.



3. Plug in the ECR to turn ON, causing the following message is displayed.

Please push [AT/TL]
 or please perform a
 RAM-C / DATA-C

0

4. Depress the following Numeric keys according to the zero-suppress form and the type of keyboard installed.

Numeric Keys	Keyboard Type (Destination Code)	Zero-suppress Form
[1] & [8]	Flat Type (IT)	. - - 0
[1] & [9]	Ordinary Type (IT)	. - - 0
[3] & [8]	Flat Type (QP)	0 . 0 0
[3] & [9]	Ordinary Type (QP)	0 . 0 0

5. Depress the **[AT/TL]** key.
6. A RAM Clear receipt is issued.

31-10-2005 MON #0

RAM-C

0001 13:43TM

- NOTES:**
1. When the RAM clear operation is performed, the condition "after all sales data reset" is obtained, just as "Status Clear" and "Data Clear". Therefore, no Reset Report should be taken for starting any programming operation.
 2. On completion of Step 6, all the memory will be cleared, and at the same time the keyboard will automatically be programmed as specified in the "Standard Keyboard" (refer to the "SFKC" programming operation later described).
 3. After a RAM Clear, the Standard Program Data for FINANCIAL REPORT ITEM NAME and PRINT LINE ITEM NAME, etc. will also be set automatically.

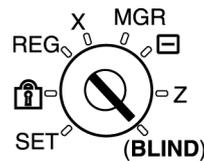
5.2 DATA Clear

CAUTION!

This clear operation deletes all sales data of any operation sequence stored in the memory of the ECR.

Performing the DATA Clear operation will clear only the sales data accumulated in the memory of the ECR (report memory), however, the programmed data will not be cleared. By this operation, all sales data including non-resettable totals and counters, Reset Report Counts, and Receipt Consecutive No. are cleared.

1. Unplug the ECR to turn OFF.
2. Use the **S** key to turn the Mode Lock to “BLIND” position.



3. Plug in the ECR to turn ON, causing the following message is displayed.

Please push [AT/TL]
or please perform a
RAM-C / DATA-C

0

4. Depress the following Numeric key.

Numeric Key	Destination Code	Zero-suppress Form
[1]	IT	. - - 0
[3]	QP	0 . 0 0

5. Depress the [AT/TL] key.
6. A DATA Clear receipt is issued.

31-10-2005 MON #0

DATA-C

0001 13:44TM

- NOTES:**
1. When the DATA clear operation is performed, the condition “after all sales data reset” is obtained, just as “Status Clear”. Therefore, no Reset Report should be taken for starting any programming operation.
 2. None of PLU table, stock status, and stock memory are cleared.

5.3 STATUS Clear

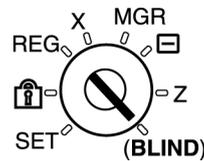
Performing the STATUS Clear operation will clear an error and the key locked condition, however, the sales data and the programmed data will not be cleared by this operation. When the STATUS Clear is operated to clear a key locked condition during sale, the sale item data that has already been entered for the current sale will be cleared.

The STATUS Clear operation obtains the condition “after all sales data reset” which is required for some programming operations, but this operation will not affect any sales data. This condition is obtained by taking reset reports. In case you do not want to reset the sales data such as in business hours, this function is effective. Depending on the programming item, sales data should be reset instead of STATUS Clear to keep consistency between programmed data and sales data.

The STATUS Clear can be performed in 2 methods shown below.

< Method 1 >

1. Unplug the ECR to turn OFF.
2. Use the **S** key to turn the Mode Lock to “**BLIND**” position.



3. Plug in the ECR to turn ON, causing the following message is displayed.

```

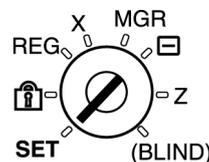
Please push [AT/TL]
or please perform a
RAM-C / DATA-C
  
```

0

4. Depress the **[AT/TL]** key.
5. A STATUS Clear receipt is issued.

< Method 2 >

1. Turn the Mode Lock to “**SET**” position.



2. Depress the **[9]** key (Numeric key) then the **[ST]** key.
3. A STATUS Clear receipt is issued.

```

31-10-2005 MON #0
STATUS-C
0002 13:45TM
  
```

6. TERMINAL FILE PROGRAMMING

Table of Terminal File Programming Operations

Operation	Condition (NOTE)	Mode Lock Position	Page
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NOTE: All Resets = All Daily and GT Resets
Anytime = Any time outside a sale
(No condition required)
CZ = After Cashier Reset

DGZ = After Department GT Reset
DZ = After Department Daily Reset
FZ = After Financial Daily Reset
HZ = After Hourly Range Reset

PGZ = After PLU GT Reset
PZ = After PLU Reset

6.1 Instructions for Programming

On the MA-600 series adopting the LCD display, each programming operation is performed by selecting the corresponding menu item on the LCD display.

The keyboard layout is automatically switched among three according to operation to be performed (ordinary registration, read/reset, programming) when the Mode Lock is turned to the corresponding position.

Accordingly, in addition to the character code entry method, the character entries in programming operations are also performed directly through the ordinary type keyboard.

6.1.1 SET Mode Menu

When performing a programming operation, a desired programming item is selected from the menu which is shown on the LCD display. Programming menu tree is as shown below.

1 MESSAGES

- 1 COMMERCIAL MESSAGE
- 2 FOOTER MESSAGE
- 3 STORE MESSAGE

2 NAMES

- 1 DP KEY NAME
- 2 DP GROUP NAME
- 3 CASHIER NAME
- 4 PLU (ITM NO.) NAME
- 5 SALESPERSON NAME
- 6 FINANCIAL ITM NAME
- 7 PRINT ITEM NAME
- 8 DISPLAY ITEM NAME
- 9 ERROR ITEM NAME
- 0 X/Z REPORT NAME

3 DP/PLU

- 1 DP
 - 1 DP SETTING
 - 2 UNIT PRICE
 - 3 DIGIT LIMIT (PRICE)
 - 4 KEY STICKER PRINT
- 2 PLU
 - 1 PLU SETTING
 - 2 UNIT PRICE
 - 3 ASSIGN TO KEYBOARD
 - 4 DELETE (INDIV)
 - 5 DELETE (ALL)

4 RATE, LIMIT AMOUNT

- 1 %- RATE (%-/%+)
- 2 VAT/TAX RATE
- 3 CUR EXCHANGE RATE
- 4 DISC AMT LIMIT

5 BASIC

- 1 TIME
- 2 DATE
- 3 REGISTER NO.
- 4 HOURLY RANGE
- 5 KEY-IN TONE

6 OTHER

- 1 REPORT PRINT ITEM
- 2 SYSTEM OPTION
- 3 KEY FUNCTION
- 4 CASH KEY AMOUNT
- 5 DRW WARNING TIME
- 6 ROUND TBL 1 DIGIT
- 7 ROUND TBL 2 DIGIT
- 8 RTC PRINT BUFFER
- 9 SERIAL NO.

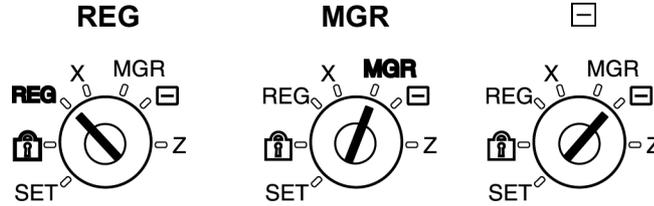
6.1.2 Keyboard Layout Variations

The keyboard layout is automatically switched among three according to operation to be performed (ordinary registration, read/reset, programming) when the Mode Lock is turned to the corresponding position.

In this chapter, various programming operations are performed with the keyboard layout for programming.

- (1) Keyboard layout for ordinary registration (It is programmed as default setting.)

Mode Lock Position:



• Ordinary Type Keyboard

LOG/RECEIPT	VALI DATE	RECEIPT ISSUE	RF	JF	1	6	11	CUR	SALES PERSON
RTN MDSE	ALL VOID	C		#	2	7	12	R/A	PO
NS	ITEM CORR	7	8	9	3	8	13	%-	☐
PR OPEN	X	4	5	6	4	9	14	VAT	MISC
LC OPEN	AMT	1	2	3	5	10	15	CRT	CPN
PLU		0	00	.	ST		AT/TL		CHK TEND

• Flat Type Keyboard

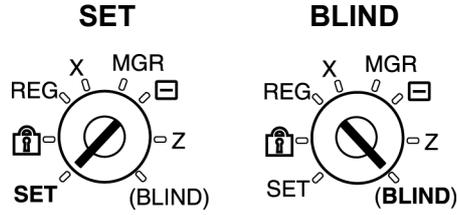
								1	8	LOG/RECEIPT	RECEIPT ISSUE	RF	JF	R/A	PO
								2	9	ITEM CORR	VOID	RTN MDSE	ALL VOID	%-	☐
								3	10	#	C		NS	VAT	CUR
								4	11	AMT	5	8	9	CRT	
								5	12	X	4	5	6	CHECK TEND	
								6	13	PLU	1	2	3	ST	
								7	14		0	00	.	AT/TL	

PLU Preset-code keys

Department keys

(2) Keyboard layout for programming

Mode Lock Position:



• Ordinary Type Keyboard

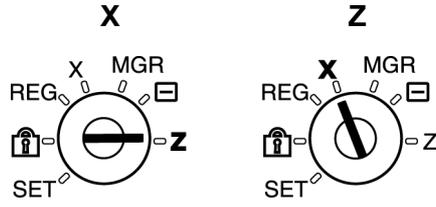
↑	Del	History	RF	JF	A	F	K	P	U
↓	ALL VOID	C		#	B	G	L	Q	V
←	Rtn	7	8	9	C	H	M	R	W
→	Dbl	4	5	6	D	I	N	S	X
Enter	A/a	1	2	3	E	J	O	T	Y
PLU		0	00	.	?	End		Z	

• Flat Type Keyboard

1	2	3	4	5	6	7	8	9	0	LOG		RF	JF	↑	↓
!	@	#	\$	%	&	*	(	)	:	A/a	Dbl	Del	ALL VOID	←	→
β	Σ	ú	á	é	ê	â	è	ç	œ	#	C		History	Rtn	Enter
Ä	Ö	Ü	À	Æ	Ñ	£	Ø	+	-	?	7	8	9		
Q	W	E	R	T	Y	U	I	O	P	X	4	5	6		
?	A	S	D	F	G	H	J	K	L	PLU	1	2	3	ST	
SP		Z	X	C	V	B	N	M	,		0	00	.	End	

(3) Keyboard layout for Read/Reset

Mode Lock Position:



• Ordinary Type Keyboard

↑	
↓	
←	Rtn
→	X
Enter	
PLU	

	RF	JF
C		#
7	8	9
4	5	6
1	2	3
0	00	.

ST		AT/TL		

• Flat Type Keyboard

												RF	JF	↑	↓
														←	→
										#	C			Rtn	Enter
											7	8	9		
									X		4	5	6		
										PLU	1	2	3	ST	
											0	00	.	AT/TL	

6.1.2 Basic Key Functions

1. The following are main keys and their functions to be used in programming operations.

(1) Keys for selecting items on the menu screen

Key	Function
[↑]	This key is used for moving the cursor upward.
[↓]	This key is used for moving the cursor downward.
[←]	This key is used for moving the cursor leftward.
[→]	This key is used for moving the cursor rightward.
[Enter]	This key is used for selecting a desired item after moving the cursor.
[Rtn]	This key is used for returning the display to the previous screen.
[?]	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that a guidance message corresponding to the current operation appears on the LCD display. When depressing the [?] key again, the display will return to the previous screen.

(2) Keys for character entries

Key	Function
[→]	This key is used for entering a one-byte space.
[C]	This key is used for deleting all the entered characters together.
[Dbl]	This key is used for switching character mode between “one-byte character” and “two-byte character” alternately.
[A/a]	This key is used for switching between “capital letter” and “small letter” alternately. The key is effective when entering characters A to Z through the programming keyboard or PK-2 keyboard (hardware option).
[Del]	This key is used for deleting a character.
[#]	In the character code entry method, entering a character code then depressing this key results in that the corresponding character is entered.
[History]	This key is used for performing character entries with the name previously entered.

(3) Keys for programming

Key	Function
[←]	This key is used for selecting a desired item.
[→]	This key is used for selecting a desired item.
[C]	This key is used for cancelling an operation just performed.
[Enter]	This key is used for entering a desired item.
[Rtn]	This key is used for returning the display to the previous screen.
[?]	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that a guidance message corresponding to the current operation appears on the LCD display. When depressing the [?] key again, the display will return to the previous screen.
[End]	This key is used for ending the current programming operation.
[PLU]	This key is used for the PLU programming.

2. Functions of the [C] key

- When an entered program data is already printed, the [C] key cannot clear if any longer. To correct the data, re-enter it.
- Before the entered data is printed, the data may be cleared by the [C] key (except in the SFKC Programming Operation).

3. To clarify the operation flow, definitions of keys of the ECR keyboard are as shown below.

[_____] ----- Selective numeric value which is entered through the Numeric keys.

[]----- Depression of the function key.

xxxx----- Fixed numeric value which is entered through the Numeric keys.

Fixed

4. Table of key names in **SET** and **REG** modes

The keyboard layout for programming is adopted in **SET** mode.

The following table shows key names in **SET** mode and corresponding ones in **REG** mode.

Key name in SET mode	Key name in REG mode (Normal type keyboard)	Key name in REG mode (Flat type keyboard)
[↑]	[LOG/RECIEPT]	[R/A]
[↓]	[RTN MDSE]	[PO]
[←]	[NS]	[%-]
[→]	[PR OPEN]	[-]
[Enter]	[LC OPEN]	[CUR]
[Rtn]	[ITEM CORR]	[VAT]
[?]	[ST]	[AMT]
[C]	[C]	[C]
[DbI]	[X]	[VOID]
[A/a]	[AMT]	[ITEM CORR]
[Del]	[VALI DATE]	[RTN MDSE]
[#]	[#]	[#]
[History]	[RECEIPT ISSUE]	[NS]
[End]	[AT/TL]	[AT/TL]
[PLU]	[PLU]	[PLU]

6.2 Character Entries

There are two methods of character settings for various names and messages:

CHARACTER CODE ENTRY Method and DIRECT CHARACTER ENTRY Method.

CHARACTER CODE ENTRY Method

This method is to set a character by entering a Character Code and depressing the [#] key. The method is operated only on the ECR keyboard (Ordinary Type or Flat Type).

DIRECT CHARACTER ENTRY Method

This method is to set a character by directly depressing the Character Keys on any of the following keyboard:

- ECR keyboard with the keyboard layout for programming
- PK-2 keyboard (PLU keyboard; hardware option)

By using those character keys, the characters are directly entered. In this manual, sample operations are attached to most of the programming operations. And at name or message programming portions, characters except for numeric and special symbols are entered by the DIRECT CHARACTER ENTRY method.

On the following pages, Character Code Tables under the CHARACTER CODE ENTRY Method and two different keyboards under the DIRECT CHARACTER ENTRY Method are shown. These pages are to be referred to, every time the "Character Entries" sequence is contained in various programming operations in this manual.

Read through these pages at least once first, so that you may know the appropriate method of character entries using the ECR keyboard and/or option keyboard.

6.2.1 Character Code Entry Method

Character Code Table 1: Standard Characters

Column Code →

	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Row Code	00	SP	0	@	P	`	p	€	■	á	Å	\		→
↓	01	!	1	A	Q	a	q			é	å			←
	02	"	2	B	R	b	r		┌	í	Ø			↓
	03	#	3	C	S	c	s		└	ó	ø			↑
	04	\$	4	D	T	d	t		,	ú	Æ			½
	05	%	5	E	U	e	u		•	â	æ			¼
	06	&	6	F	V	f	v		Ä	ê	Œ			★
	07	'	7	G	W	g	w		Ë	î	œ			◇
	08	(	8	H	X	h	x		Ö	ô	β			Kg
	09	)	9	I	Y	i	y		Ü	û	ϕ			lb
	10	*	:	J	Z	j	z		É	à	£			No
	11	+	;	K	[	k	{		ä	è	Φ			X
	12	,	<	L	¥	l	|		ë	ì	Σ			▽
	13	-	=	M	]	m	}		ï	ç	÷			△
	14	.	>	N	^	n	~		ö	Ñ	—			☐
	15	/	?	O	_	o			ü	ñ				

NOTE: Characters of those character codes 1007, 1206, 1207, 1211, 1500 through 1503, and 1506 through 1514 cannot be printed on the slip printer.

6.2.2 Direct Character Entry Method

Using Keyboard (installed as the ECR Main Keyboard):

-- Keyboard layout for programming --

• Ordinary Type Keyboard

↑	Del	History	RF	JF	A	F	K	P	U
↓	ALL VOID	C		#	B	G	L	Q	V
←	Rtn	7	8	9	C	H	M	R	W
→	Dbl	4	5	6	D	I	N	S	X
Enter	A/a	1	2	3	E	J	O	T	Y
PLU		0	00	.	?	End		Z	

• Flat Type Keyboard

1	2	3	4	5	6	7	8	9	0	LOG		RF	JF	↑	↓
!	@	#	\$	%	&	*	(	)	:	A/a	Dbl	Del	?	←	→
β	Σ	ú	á	é	ê	â	è	ç	Œ	#	C		History	Rtn	Enter
Ä	Ö	Ü	À	Æ	Ñ	£	Ø	+	-		7	8	9		
Q	W	E	R	T	Y	U	I	O	P	X	4	5	6		
?	A	S	D	F	G	H	J	K	L	PLU	1	2	3	ST	
SP		Z	X	C	V	B	N	M	,		0	00	.	End	

Character keys in programming
 Function keys in programming

Character Keys: Simply depress the key to enter the character. (The [#] key should not follow.)
 Keys 1 to 0 are used for entering numeric characters 1 to 0.

Function Keys: These are function keys to be used in programming operations.
 The numeric keys here are used for entering PLU Codes, etc. and numeric values as program data.

Using PK-2 (PLU Keyboard; hardware option)

The PK-2 keyboard is used for entering a required PLU code by simply depressing the code-preset key on this keyboard in **REG** or **MGR** mode. In addition, the PK-2 can be used for directly entering characters during the programming operations that require character settings such as STORE NAME/MESSAGE AND COMMERCIAL MESSAGE PROGRAMMING and DEPARTMENT NAME PROGRAMMING.

The following shows the key indications of the PK-2 for the character setting purpose. Insert the template for this purpose between the film layers that cover the PK-2.

Instead of entering a 3- or 4-digit character code and depressing the [#] key on the ECR keyboard, a simple depression of the appropriate key on the PK-2 will be the character entry.

All the function keys such as [↑], [↓], [→], [←], [Enter] must be operated on the ECR side. Any characters not listed on the template may be entered by the CHARACTER CODE ENTRY method on the ECR keyboard. (The characters even listed on the template may be entered as well by that method.)

The two-byte character declaration is the same as in the CHARACTER CODE ENTRY method.

										7	8	9
										4	5	6
										1	2	3
!	@	#	\$	%	¢	&	*	(	)		0	
q	w	e	r	t	y	u	i	o	p	~	^	
a	s	d	f	g	h	j	k	l	"	_	+	
z	x	c	v	b	n	m			'	-	=	
Q	W	E	R	T	Y	U	I	O	P	[]	
A	S	D	F	G	H	J	K	L	;	:	,	
Z	X	C	V	B	N	M	Space	.	/	?		

6.2.3 How to use the [History] key

The [History] key is used for performing character entries with the name previously entered.

Operation:

[History] → ([↓]) → [Enter]

- 1) The [History] key depression will let the most recently programmed name displayed on the LCD display.
- 2) The [↓] key depression will let the second most recently programmed name displayed. (Up to 10 programmed names will be displayed in reverse chronological order.)
- 3) The [Enter] key depression will allow the name on the LCD display to be entered.

Example of operation:

When "A LUNCH" for PLU1 and "B LUNCH" for PLU2 are programmed in the PLU name programming.

Key operation	Description	LCD display
1 [PLU]	PLU No.1 setting is declared.	PLU0001
[C]	The default setting displayed on the LCD display is deleted.	
401 [#]	The character A is entered.	A
[#]	A space is entered.	A
412 [#]	The character L is entered.	A L
505 [#]	The character U is entered.	A LU
414 [#]	The character N is entered.	A LUN
403 [#]	The character C is entered.	A LUNC
408 [#]	The character H is entered.	A LUNCH
[ST]	The name of PLU No.1 is entered.	
2 [PLU]	PLU No.2 setting is declared.	PLU0002
[C]	The default setting displayed on the LCD display is deleted.	
[History]	The name of PLU No. 1 just entered is called.	A LUNCH
[Enter]	The name of PLU No. 1 is entered.	A LUNCH
[Del]	The character A of "A LUNCH" is deleted.	LUNCH
402 [#]	The character B is entered instead of the deleted A.	B LUNCH
[ST]	The name of PLU No.2 is entered.	

6.3 Condition Required for Programming Operations

“CONDITION” is given at the top of each programming operation. The ECR must satisfy this condition to perform programming operations.

There are two types of conditions:

“Any time outside a sale”

It means that the programming operation is allowed when a sale is finalized before going into any other sale entry.

“After----- reset”

It means that the designated reset report must be taken before entering the programming operation.

And an error will result if the operation is attempted without taking the report. However, the words “After ... Reset” do not necessarily mean “immediately after ...”.

When the designated reset report has already been taken and then some operations are performed in the **SET**, **X**, or **Z** mode, the condition “After ... Reset” is still satisfied and the programming operation is still allowed.

On the contrary, when the designated reset report has been taken but then some sales data relating to that report’s output data are entered in the **REG**, **MGR**, or mode, the programming operation will no longer be allowed and the same reset report must be taken.

Thus the condition “After ... Reset” indicates that all the sales data relating to the report data must be zero (except non-resettable memory data). Because of this “CONDITION” requirement, the report data will be protected from any inconsistencies of sales data entered in the period from a resetting of the report to another resetting of the same report next time.

6.4 SFKC (Selective Function Key Code) Programming

SFKC Programming is to determine the keyboard layout with the required keys. This operation must be performed first before any other programming operation. If the RAM Clear is performed prior to the SFKC programming, program only the keys that require changes from the SFKC in the Standard Keyboard which has been set by the RAM Clear operation automatically. (For the Standard Keyboard, see Page 6-17.)

The following keys that are minimum requirements for programming and registering operations must be assigned to the keyboard no matter what any other keys may or may not be assigned:

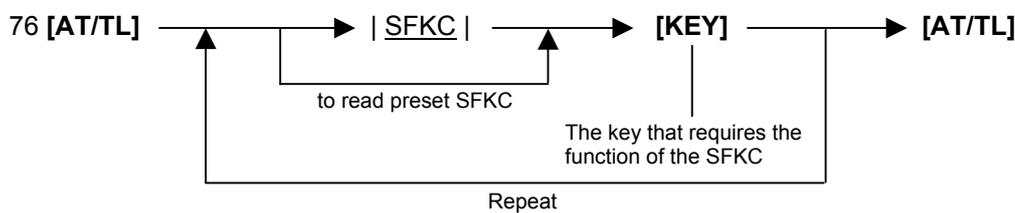
[C], **[X]**, **[ST]**, **[AT/TL]**, **[#]**, and Department Keys or **[DP#]**

CONDITION

After all Z and GTZ reports, or after RAM Clear, DATA Clear, or STATUS Clear

OPERATION

Mode Lock: **BLIND**



1. Enter 76, and depress the key to be **[AT/TL]** (Cash Media key). This declares the SFKC Programming Start and at the same time sets the SFKC 76 on the key.
From this step on, the depressed key will be **[AT/TL]**.
2. Enter the SFKC (see the SFKC table on the following pages), and depress the key that requires the key name of the SFKC. Repeat this step until all the necessary keys are set with their own SFKC's. Each key on the keyboard must correspond to one SFKC, except for SFKC 96 (PLU Preset-code Keys). If in this step, a key is simply depressed without a prior SFKC entry, the SFKC that has been pre-programmed on that key is displayed at that Amount portion.
3. Depress the **[AT/TL]** key (the key set as **[AT/TL]** in Step 1) to end the SFKC programming operation. The display now shows "0" at the Amount portion. A receipt is issued.

NOTES:

1. The entered SFKC is displayed at the Amount portion of the display.
2. If a wrong code has been entered and the key has also been depressed (i.e. a wrong SFKC has been set on a key), enter the correct SFKC and depress the key.
3. If "0" is entered as SFKC, the key will be dead and its memory will also be closed.
76 **[AT/TL]** → 0 → **[KEY]** → **[AT/TL]**
4. Each of the keys programmed in this step will have its memory (if any) opened automatically.
5. The **[C]** key, if once set with SFKC 95, may be used to clear an error, but not to clear and SFKC entry. If any SFKC is entered and the **[C]** key is depressed, that SFKC will be set on the key that was once the **[C]** key.
6. To designate the SFKC 100, operate the keys **[1]** → **[0]** → **[0]**. In this case, the **[00]** key is unavailable.
7. When a key is opened here, the print status should be set to its memory in Report Item Print/Non-Print Setting.
8. The **[RF]**, **[JF]**, **[00]**, and **[.]** keys can also be programmed by the SFKC programming operation.
9. If **[RF]** and **[JF]** are programmed on several keys, that with largest key location code is effective. The remaining **[RF]** and **[JF]** keys are ignored. (Only one them are operable each.)
10. The location of the **[AT/TL]** key is fixed.

SFKC Table

SFKC	Key Name	Memory to be opened (REMARKS)
0	Dead-key code	(used to close the key and memory)
1 to 40	Department Preset-code Keys 1 to 60	Respective Department memory
61	RF (Receipt Feed)	No memory
62	JF (Journal Feed)	No memory
63	00 (Double-zero)	No memory
64	000 (Triple-zero)	No memory
65	• (Decimal Point)	No Memory
66	VND CPN (Vender Coupon)	Vender Coupon
67	STR CPN (Store Coupon)	Store Coupon
68	-- vacant --	
69	<input type="checkbox"/> (Amount Discount)	Amount Discount
70	%+ (% I)	% I
71	%- (% II)	% II
72	RTN MDSE (Returned Merchandise)	Returned Merchandise
73	ITEM CORR (Item Correct)	Item Correct, Misc. Void
74	VOID (Void)	Void, Misc. Void
75	ALL VOID (All Void)	All Void
76	AT/TL (Cash Amount Tender/Total) -- Cash Media	Cash Sales, Cash-in-drawer, Cash-in-drawer Difference
77	CHK TND (Check Tender)	Check Sales, Check-in-drawer, Check-in-drawer Difference
78	CRT (Credit Total)	Credit Sales, Credit-in-drawer, Credit-in-drawer Difference
79	MISC TEND (Miscellaneous Tender)	Misc. Sales, Misc.-in-drawer, Misc.-in-drawer Difference
80	CPN (Media Coupon)	Media-Coupon Sales, Media-Coupon-in-drawer Media-Coupon-in-drawer Difference
81	CREDIT 1 (Credit 1)	Credit 1 Sales, Credit 1-in-drawer Credit 1-in-drawer Difference
82	ST (Subtotal)	No memory
83	R/A (Received-on-Account)	Received-on-Account
84	PO (Paid-Out)	Paid Out
85	NS (No-sale)	No-sale Counter
86	PR OPEN (Preset Open)	No memory
87	LC OPEN (Listing Capacity Open)	No memory
88	OPEN (PR/LC Open)	No memory
89	VALIDATE (Validation)	Validation counter
90	# (Non-add Number)	No memory
91	CONSIGNMENT	Consignment counter
92	PLU (Price-Look-Up)	(To open memory, each PLU program is further necessary; however, if this key is closed, the memory for all PLUs are closed.)
93	X	No memory
94	RECEIPT ISSUE (Receipt Post-Issue)	No memory
95	C (Clear)	Clear Key Counter
96	PLU Preset-code keys	No memory
97	TX1/M (Tax 1 Modifier)	No memory
98	TX2/M (Tax 2 Modifier)	No memory
99	-- vacant --	
100	-- vacant --	
101	EX (Tax Exempt)	Exempt Customer, Exempt 1, 2, 3, 4
102	PB+ (Previous Balance +; for Manual PB Entry Type)	Transfer, Previous Balance Sales, Previous Balance R/A, Previous Balance PO
103	PB- (Previous Balance -; for Manual PB Entry Type)	No memory

-- Continued on next page --

SFKC Table (continued)

SFKC	Key Name	Memory to be opened (REMARKS)
104	TRF (Transfer)	No memory
105 to 107	-- vacant --	
108	AMT (Amount)	No memory
109	RPT (Repeat)	No memory
110 to 115	-- vacant --	
116	TX3/M (Tax 3 Modifier)	No memory
117 to 120	-- vacant --	
121	CUR 1 (Foreign Currency 1)	Foreign Currency 1-in-drawer
122	CUR 2 (Foreign Currency 2)	Foreign Currency 2-in-drawer
123	CUR 3 (Foreign Currency 3)	Foreign Currency 3-in-drawer
124	CUR 4 (Foreign Currency 4)	Foreign Currency 4-in-drawer
125	CUR 5 (Foreign Currency 5)	Foreign Currency 5-in-drawer
126	CREDIT 2 (Credit 2)	Credit 2 Sales, Credit 2-in-drawer Credit 2-in-drawer Difference
127	CREDIT 3 (Credit 3)	Credit 3 Sales, Credit 3-in-drawer Credit 3-in-drawer Difference
128	CREDIT 4 (Credit 4)	Credit 4 Sales, Credit 4-in-drawer Credit 4-in-drawer Difference
129	CREDIT 5 (Credit 5)	Credit 5 Sales, Credit 5-in-drawer Credit 5-in-drawer Difference
130	LOG/RECEIPT (Log/Receipt)	No memory
131	LOG (Log)	No memory
132	SALES PERSON (Salesperson)	No memory
133	-- vacant --	
134	TX4/M (Tax 4 Modifier)	No memory
135	DP# (Department No.)	No memory
136 to 138	-- vacant --	
139	RECEIPT (Receipt)	No memory
140 to 142	-- vacant --	
143 to 150	CLK1 (Cashier 1) to CLK8 (Cashier 8)	No memory
151 to 162	-- vacant --	
163	VAT (VAT Print)	No memory
164	-- vacant --	
165	-- vacant --	
166	JP (Journal Print)	No memory
167	-- vacant --	
168	1st PRICE	No memory
169	2nd PRICE	No memory
170	3rd PRICE	No memory
171 to 200	-- vacant --	
201	VAT DISPLAY	No memory
202	TX5/M (Tax 5 Modifier)	No memory
203	TX6/M (Tax 6 Modifier)	No memory
204	TX7/M (Tax 7 Modifier)	No memory
205	TX8/M (Tax 8 Modifier)	No memory
206	CASH1	No memory
207	CASH2	No memory
208	CASH3	No memory

SFKC Receipt Sample

```

31-10-2005 MON #0

      SFKC
#054 076 → 076
#043 102 → 102
#044 103 → 103
#045 104 → 104
#047 066 → 066
#046 067 → 067

                                0003 13:05TM
    
```

Standard Keyboard (auto-set by RAM Clear)

• Ordinary Type Keyboard

LOG/RECEIPT ↑	VALID DATE Del	RECEIPT ISSUE History	RF	JF	1	6	11	CUR	SALES PERSON	
RTN MDSE ↓	ALL VOID	C		#	2	7	12	R/A	PO	
NS	ITEM CORR	7	8	9	3		8	%-	-	
←	Rtn	4	5	6	4	9	14	VAT	MISC	
PR OPEN	X	1	2	3	5		10	15	CRT	CPN
→	Dbt	0	00	.	ST		AT/TL		CHK TEND	
LC OPEN	AMT				?	End				
Enter	A/a									
PLU										

• Flat Type Keyboard

								1	8	LOG/RECEIPT	RECEIPT ISSUE	RF	JF	R/A	PO
								2	9	ITEM CORR	VOID	RTN MDSE	ALL VOID	%-	-
								3	10	#	C		NS	VAT	CUR
								4	11	AMT	7	8	9	CRT	
								5	12	X	4	5	6	CHECK TEND	
								6	13	PLU	1	2	3	ST	
								7	14		0	00	.	AT/TL	

PLU Preset-code keys

Department keys

6.5 System Option Programming

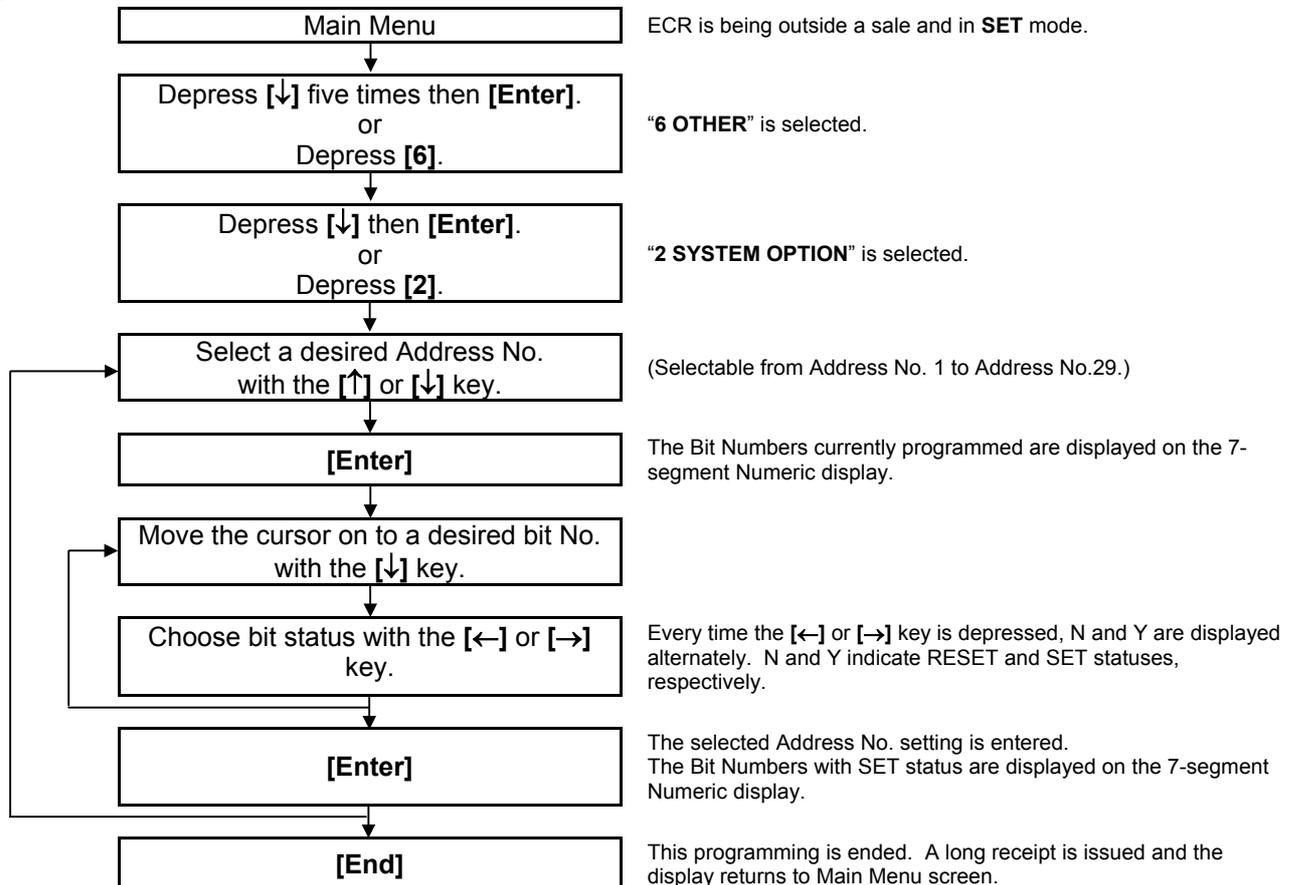
This operation is used to set the ECR's basic features and selective functions to meet the requirement of the market and your user.

This programming operation is performed in **SET** mode or **BLIND** mode.

In **SET** mode, you can select a desired menu item on the LCD display. Address No. 1 to Address No. 29 are programmable. In **BLIND** mode, you can directly enter a desired Address No. on the keyboard. All system options from Address No. 1 to Address No. 49 are programmable.

CONDITION	After Financial Daily Reset	
OPERATION	For Dealer System Options: (Address No. 1 to No. 29)	Mode Lock: SET
	For Dealer System Options: (Address No. 1 to No. 49)	Mode Lock: BLIND

Programming in SET mode



Setting Example)

To set Address No. 1 with the following requirements:
 (Refer to the Address No. 1 table on the subsequent page.)
 Bit No. 1: Time NON-PRINT (SET status)
 Bit No. 3: Subtotal NON-PRINT (SET status)
 Other bits will be selected to "RESET" status.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key five times.	<pre> 1 MESSAGES SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0</pre>	The cursor is moved on to "6 OTHER".
Depress the [6] or [Enter] key.	<pre> 3 DP/PLU SET 4 RATE, LIMIT AMOUNT 5 BASIC 6 OTHER 0</pre>	
Depress the [↓] key.	<pre> 1 REPORT PRINT ITEM SET 2 SYSTEM OPTION 3 KEY FUNCTION 4 CASH KEY AMOUNT 0</pre>	The cursor is moved on to "2 SYSTEM OPTION".
Depress the [2] or [Enter] key.	<pre> 1 REPORT PRINT ITEM SET 2 SYSTEM OPTION 3 KEY FUNCTION 4 CASH KEY AMOUNT 0</pre>	
Address No. list is displayed. Select a desired Address No. with the [↑] or [↓] key. In this example, Address No. 1 (01NON-PRINT) is selected.	<pre> SYSTEM OPTION ? 01NON-PRINT 02NONPRINT 03OPTIONAL FUNCTION 0</pre>	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display. <pre> PRESS [ENTER] TO SET EACH IREM IN DETAIL. 0</pre> For the selected Address No., the Bit Numbers currently programmed are displayed on the 7-segment Numeric display.
With the [Enter] key depression, Address No. 1 setting is displayed.	<pre> NON-PRINT ? B1TIME N B2ITEM COUNTER N B3ST N 0</pre>	The [?] key depression results in that the following guidance message appears on the LCD display. <pre> REVERSE Y (SELECT) OR N (NOT-SELECT) WITH [-] / [+] . PRESS [ENTER] AFTER SETTING ALL ITEMS. 0</pre>

(continued on the next page)

(continued from the previous page)

Operation	LCD Display	Remarks
Depress the [→] key to select the status of Bit No. 1.	<pre> NON-PRINT ? B1TIME Y B2ITEM COUNTER N B3ST N 1 </pre>	<p>The status of Bit No.1 is turned from N to Y. N: RESET status Y: SET status</p> <p>The numeric value 1 indicating the Bit No. with SET status is displayed on the 7-segment Numeric display.</p>
Depress the [↓] key twice to move the cursor on to Bit No. 3 (B3ST).	<pre> NON-PRINT ? B1TIME Y B2ITEM COUNTER N B3ST N 1 </pre>	
Depress the [→] key to select the status of Bit No. 3.	<pre> NON-PRINT ? B1TIME Y B2ITEM COUNTER N B3ST Y 13 </pre>	<p>The status of Bit No.3 is turned from N to Y. N: RESET status Y: SET status</p> <p>The numeric value 13 indicating the Bit Nos. with SET status is displayed on the 7-segment Numeric display.</p>
The [Enter] key depression results in that the Address No. 1 setting is entered.	<pre> SYSTEM OPTION ? 01NON-PRINT 02NONPRINT 03OPTIONAL FUNCTION 13 </pre>	
The [End] key depression allows the ECR to end this programming.	<pre> 1 MESSAGES SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

Programming in BLIND mode

Repeat for another Address No.



Enter a maximum of eight-digit number composed of Bit Nos whose status must be selected to SET status in the Address.

- ex.) To set Bit No. 2 only Enter 2.
- To set Bits No. 2 and No. 3 Enter 23.
- To set all the Bit Nos Enter 12345678.
- To reset all the Bit Nos Enter 0.

NOTES:

1. Any Bit No. with the "-- vacant --" item will be ignored even if it is set. (However, even if set, it will not result in an error.)
2. When a RAM Clear is completed, the status of each Bit No. is automatically set to the side marked with an asterisk in the STANDARD STATUS column of each SYSTEM OPTION TABLE shown on the following pages. Therefore, only the Bit status changes of the required Addresses may be entered according to your customer's requirements.

Setting Example)

To set Address No. 1 with the following requirements:

(Refer to the Address No. 1 table on the next page.)

Bit No. 1: Time NON-PRINT (SET status)

Bit No. 3: Subtotal NON-PRINT (SET status)

Other bits will be selected to "RESET" status.

Key Operation: Mode Lock: **BLIND**, enter 18, depress **[X]**.

1 **[ST]** Address No.

13 **[#]** Bit Nos. for SET

[AT/TL] To complete this setting.



```
31-10-2005 MON #0
SYSTEM OP
#01-----13
0003
```

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
1		NON-PRINT OPTION I			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	Time (on Sale Receipt, Report, Program Receipt)	RESET	PRINT	*	
		SET	NON-PRINT		
2	Sale Item Count on each Sale Receipt	RESET	PRINT	*	
		SET	NON-PRINT		
3	Subtotal Amount print by [ST] key on Receipt and Journal	RESET	PRINT	*	NOTE 1 below
		SET	NON-PRINT		
4	-- vacant --	RESET		*	
		SET			
5	Customer Count for each Department on Department Reports	RESET	PRINT	*	Both Bit 5 & 6 RESET: Prints sales % of each Department and Group
		SET	NON-PRINT		
6	Sale % of each Department and Group, on Department and Group Reports (NOTE 2)	RESET	PRINT	*	
		SET	NON-PRINT		
7	Gross Profit of each Department, on Department Reports	RESET	PRINT	*	"Department Gross Profit Read Reports" can be issued regardless of this status
		SET	NON-PRINT		
8	Sales Person on Sale Receipt and Remote Slip	RESET	PRINT	*	NOTE 3 below
		SET	NON-PRINT		

NOTE 1: This bit status selection is also applied to the following cases in which the subtotal amount is automatically printed.
 • Sale Finalization, % Operation, Amount Discount, and Special Rounding Spec.

NOTE 2:
 • The sale % of a department = (That Department) / (Sum of Positive Department)
 (When the "Sum of Positive Department" is zero or negative, the sale % of 0% will be printed.)
 • The sale % of a negative Status Department is not printed.

NOTE 3: If SET, no printing is performed on the receipt printer and the Remote Slip Printer during the salesperson entry, however, it is performed on the journal regardless of the setting.

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
2		NON-PRINT OPTION II			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	-- vacant --	RESET		*	
		SET			
2	-- vacant --	RESET		*	
		SET			
3	-- vacant --	RESET		*	
		SET			
4	-- vacant --	RESET		*	
		SET			
5	-- vacant --	RESET		*	
		SET			
6	INPS 1 for the Charge Posting on Remote Slip Printer	RESET	PRINT ALL ITEMS	*	NOE 1 below (INPS = Item Not Print on Slip)
		SET	INPS 1		
7	INPS 2 for the Charge Posting on Remote Slip Printer	RESET	PRINT ALL ITEMS	*	NOTE 2 below
		SET	INPS 2		
8	-- vacant --	RESET		*	This bit must always be RESET.
		SET			

NOTE 1: If SET, print items except the following will not be printed on the Remote Slip Printer in the charge posting operation.
PB+, PB-, Check Track No., CRT, PB R/A, PB PO and TRF

NOTE 2: If SET, print items except NEW BAL will not be printed on the Remote Slip Printer in the charge posting operation. Trailer Line and NEW BAL will be printed on one line.

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
3		OPTIONAL FUNCTION I			
		6			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	Fraction Rounding ROUND UP	RESET	Follow Bit 2 status	*	If both RESET, it will be ROUND OFF. (If both SET, it will be ROUND DOWN.)
		SET	ROUND UP		
2	Fraction Rounding ROUND DOWN	RESET	ROUND OFF	*	NOTE 1 below
		SET	ROUND DOWN		
3	[ST] key before finalizing a sale	RESET	NOT COMPULSORY	*	
		SET	COMPULSORY		
4	Credit Balance in REG mode	RESET	PROHIBITED	*	NOTE 2 below
		SET	ALLOWED		
5	Drawer Opening on taking Financial Reports	RESET	OPEN	*	
		SET	NOT OPEN		
6	Quantity Extension (Multiplication) order	RESET	UNIT PRICE x QUANTITY		NOTE 3 below
		SET	QUANTITY x UNIT PRICE	*	
7	Manager Intervention for entering Negative Departments/PLUs in REG mode	RESET	NOT REQUIRED	*	NOTE 4 below
		SET	REQUIRED		
8	Manager Intervention for finalizing Negative- balance Sales in REG mode	RESET	NOT REQUIRED	*	NOTE 5 below
		SET	REQUIRED		

NOTE 1: The selective status of the fraction rounding here applies to quantity extension, %+, and %- calculations. The fraction resulted from any tax % calculations (VAT or Add-on Type) will be **ROUNDED OFF** (no alternative rounding method is provided).

NOTE 2: The "Credit Balance" means that amount entries through [-] (Amount Discount), [VOID], [STR CPN], [VND CPN], will result in over-subtraction of the subtotal amount at the time of the entry through any of those keys. If the SET status (ALLOWED) is selected, over-subtraction using these keys will be allowed in the **REG** mode. The [RTN MDSE] key and negative departments/PLUs are not subject to this "Credit Balance" status selection. The Credit Balance is always allowed in the **MGR** or [-] mode.

NOTE 3: If RESET, Triple Multiplication operation is not possible. (Doing so may cause an error.)

NOTE 4: This optional function is effective in the negative department/PLU entry operation. This operation is possible in the **MGR** or [-] mode regardless of the setting.

NOTE 5: This optional function is effective for finalizing a negative balance sale by the media keys (excepting the [AT/TL] key). This operation is possible in the **MGR** or [-] mode regardless of the setting.

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
4		OPTIONAL FUNCTION II			
		23			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	Zero-skip in All Department and Department Group Reports	RESET	PRINT all Departments data	*	Departments/Groups with no sale will be skipped in the report.
		SET	ZERO-SKIP		
2	Zero-skip in PLU Reports	RESET	PRINT all PLUs data		
		SET	ZERO-SKIP	*	
3	Zero-skip on Financial and Cashier Reports	RESET	PRINT all items data		
		SET	ZERO-SKIP	*	
4	Cashier feature	RESET	ACTIVE	*	NOTE 1 below
		SET	NON-ACTIVE		
5	Cashier No. Display on Operator Display	RESET	NOT DISPLAYED	*	When both SET or both RESET, Department No. will be displayed.
		SET	DISPLAYED (NOTE 2)		
6	PLU Price Level Display on Operator Display	RESET	NOT DISPLAYED	*	
		SET	DISPLAYED (NOTE 3)		
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

NOTE 1: If SET, the cashier feature is not active as the registering operation is possible without cashier sign-ON.

- Cashier read and reset operations are not possible. Doing so may cause an error.
- Cashier signing operation (inputting 4-digit numeric values then [LOG]) in REG mode may cause an error.
- Cashier name is not printed on the validation slip.
- The cashier name portion on the receipt and the journal will be blank. Prior to changing this bit status from RESET to SET, the cashier daily/GT reset should be performed to clear the cashier memory. If the bit status is changed without performing the reset operation, the cashier memory data will not be guaranteed.

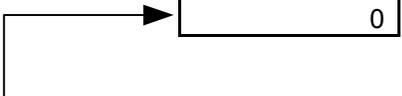
NOTE 2: If SET, the Cashier No. of the signed-ON cashier is always displayed on the Department Code position (2 digits). Even when a department entry is performed, the Cashier No. is displayed instead of the department code.

NOTE 3: If SET, the PLU Price Level is always displayed on the second leftmost digit of the 7-segment Numeric display.

-- Address No. 5 is vacant. --

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
6		REMOTE SLIP PRINTER CONTROL			
					
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	Remote Slip Print Compulsory for any PB entry	RESET	NOT COMPULSORY	*	NOTE below
		SET	COMPULSORY		
2	-- vacant --	RESET		*	
		SET			
3	-- vacant --	RESET		*	
		SET			
4	-- vacant --	RESET		*	
		SET			
5	-- vacant --	RESET		*	
		SET			
6	-- vacant --	RESET		*	
		SET			
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

NOTE: If SET, printing operation on the Remote Slip Printer is compulsory. In this case, a slip paper should be set prior to performing any Previous Balance entry.

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
7		OPTIONAL FUNCTION III			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	-- vacant --	RESET		*	
		SET			
2	-- vacant --	RESET		*	
		SET			
3	-- vacant --	RESET		*	
		SET			
4	-- vacant --	RESET		*	
		SET			
5	-- vacant --	RESET		*	
		SET			
6	Cashier Sign ON/OFF Receipts	RESET	PRINT and ISSUE	*	NOTE below
		SET	NOT ISSUE		
7	Drawer Open by Cashier Sign ON/OFF	RESET	NOT OPEN	*	
		SET	OPEN		
8	-- vacant --	RESET		*	
		SET			

NOTE: If SET, the cashier sign-ON/OFF receipt will not be issued. However, the printing operation is performed on the journal regardless of the setting. When the automatic cashier sign-OFF function is active (i.e. the SET status is selected in Address No. 32, Bit No. 3), the cashier sign-OFF print is performed neither on the receipt nor on the journal regardless of the status of Address No. 7, Bit No. 6.

-- Address Nos. 8 to 10 are vacant. --

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
11		NON-PRINT OPTION III			
		568			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	-- vacant --	RESET		*	
		SET			
2	-- vacant --	RESET		*	
		SET			
3	-- vacant --	RESET		*	
		SET			
4	-- vacant --	RESET		*	
		SET			
5	[C] (Clear) Key Counter on Reports	RESET	COUNT		
		SET	NON-COUNT	*	
6	Financial and Cashier Daily Read Counter on Reports	RESET	PRINT		NOTE 1 below
		SET	NON-PRINT	*	
7	-- vacant --	RESET		*	
		SET			
8	[C] (Clear) Key on Journal	RESET	PRINT (NOTE 2 below)		
		SET	NON-PRINT	*	

NOTE 1: If RESET, when performing a financial read/reset or cashier read/reset operation, their respective read counter (X counter) is printed on the report. (For details, please refer to the Table below.) The read counter (X counter) increases by one regardless of this bit status.

Table: X counter and Z counter print

	Daily		GT	
	X Counter	Z Counter	X Counter	Z Counter
Daily Read	Printed	---	---	---
Daily Reset	Printed	Printed	---	---
GT Read	---	---	Printed	---
GT Reset	---	---	Printed	Printed

NOTE 2: The descriptor "CLEAR" (programmable) is printed on Journal every time the [C] key is operated in the REG mode to clear a numeric value or declaration key error. However, it will not be printed when the [C] key is depressed to clear an error condition. Additionally, this printing will not be recorded in the MGR or [] mode. It will be performed neither on the Receipt nor Remote Slip Printer in any mode.

-- Address Nos. 12 to 16 are vacant. --

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
17		OPTIONAL FUNCTION IV			
		4			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	-- vacant --	RESET		*	
		SET			
2	-- vacant --	RESET		*	
		SET			
3	-- vacant --	RESET		*	
		SET			
4	Price Shift Function	RESET	HOLD		NOTE below
		SET	ONE-TIME	*	
5	-- vacant --	RESET		*	
		SET			
6	-- vacant --	RESET		*	
		SET			
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

SET: When the [2nd PRICE] or [3rd PRICE] key is pressed, second or third price level is active for the next PLU entry only. Then first price level is automatically regained.

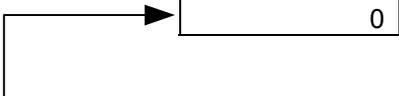
NOTE: RESET: When the [2nd PRICE] or [3rd PRICE] key is depressed, the second or third price level is held during a sale transaction. After finalizing a sale, the first price level is automatically regained.

SET: When the [2nd PRICE] or [3rd PRICE] key is depressed, the second or third price level is active for the next PLU entry only. Then the first price level is automatically regained.

-- Address No. 18 is vacant. --

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
19		CONSIGNMENT OPTION			
					
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	Single-Consignment or Multi-Consignment	RESET	SINGLE-CONSIGNMENT	*	NOTE 1 below
		SET	MULTI-CONSIGNMENT		
2	Date Print	RESET	PRINT	*	
		SET	NON-PRINT		
3	Consecutive No. (of Receipt) Print	RESET	PRINT	*	
		SET	NON-PRINT		
4	-- vacant --	RESET		*	
		SET			
5	Cashier Code Print	RESET	PRINT	*	
		SET	NON-PRINT		
6	Logo, Store Message, Commercial Message, Footer Message Print	RESET	PRINT	*	
		SET	NON-PRINT		
7	Receipt feed after the trailer line print (5-line feed)	RESET	NO FEED	*	If both RESET, no receipt feed is performed. (A long receipt is issued.)
		SET	FIVE-LINE FEED		
8	Receipt feed after the trailer line print (10-line feed)	RESET	NO FEED	*	If both SET, a 10-line feed is performed. (NOTE 2 below)
		SET	TEN-LINE FEED		

NOTE 1: "SINGLE-CONSIGNMENT" means that consignment of the same item can be printed only once. (A second attempt to print the same item will result in an error.)
"MULTI-CONSIGNMENT" means that consignment of the same item may be printed any number of times.

NOTE 2: The number of line feeds after printing a trailer line (cashier name, consecutive No., current time) is selected.
If only Bit No. 7 is SET, a five-line feed will be performed.
If both Bit No. 7 and No. 8 are SET, a ten-line feed will be performed.
If both are RESET, no line feed is performed.

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
20		TAX CONTROL I			
					
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	Add-on Tax 1 Open/Close	RESET	CLOSE	*	
		SET	OPEN		
2	Add-on Tax 2 Open/Close	RESET	CLOSE	*	
		SET	OPEN		
3	Add-on Tax 3 Open/Close	RESET	CLOSE	*	
		SET	OPEN		
4	Add-on Tax 4 Open/Close	RESET	CLOSE	*	
		SET	OPEN		
5	Add-on Tax 5 Open/Close	RESET	CLOSE	*	
		SET	OPEN		
6	Add-on Tax 6 Open/Close	RESET	CLOSE	*	
		SET	OPEN		
7	Add-on Tax 7 Open/Close	RESET	CLOSE	*	
		SET	OPEN		
8	Add-on Tax 8 Open/Close	RESET	CLOSE	*	
		SET	OPEN		

NOTE: This optional function is effective when Address No. 21, Bit No. 5 has been SET (Add-on Tax feature).
 When SET status is selected on the ECR adopting the Add-on Tax feature, Tax 1 through Tax 8 are open.
 When Taxable status (SET status) is set to the [-], [%+], [%-], and [VND CPN] keys in the Key Status Programming, Tax 1 through Tax 8 are processed according to this bit status (Open/Close). VAT feature is not subject to this bit status.

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
21		TAX CONTROL II			
		0			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	Multiple Taxes Separate Print on Receipt	RESET	NON-PRINT	*	
		SET	SEPARATE PRINT		
2	Tax Total Amount on Receipt	RESET	NON-PRINT	*	When Add-on Tax feature is selected at Bit No. 5, taxes are always printed.
		SET	PRINT		
3	Taxable Total Print on Receipt	RESET	NON-PRINT	*	NOTE 1 below
		SET	PRINT		
4	VAT Calculation Method (VAT =)	RESET	$(\text{Price} \times \text{Rate}) \div (1 + \text{Rate})$	*	This bit status selection is effective only when VAT feature has been selected.
		SET	$(\text{Price} \times \text{Rate})$		
5	Tax Type: VAT or Add-on Tax	RESET	VAT	*	NOTE 2 below
		SET	ADD-ON TAX		
6	NET VAT Total Separate Print on Receipt (NOTE 3)	RESET	NON-PRINT	*	This bit status selection is effective only when VAT feature has been selected.
		SET	PRINT		
7	-- vacant --	RESET		*	
		SET			
8	NET Total Print on Receipt (NOTE 4)	RESET	NON-PRINT	*	This bit status selection is effective only when VAT feature has been selected.
		SET	PRINT		

NOTE 1: Whether the taxable total is printed on the receipt is selected.

SET: It is printed individually.

RESET: It is not printed.

NOTE 2: When the Add-on Tax feature is selected:

1) The [TX1/M] to [TX8/M] keys can reverse the respective Tax status of Departments and PLUs. Reversing the Tax status of [% +], [% -], and [-] is also possible. (Neither the [TX1/M] to [TX7/M], nor [TX8/M] keys can be used when the VAT feature is selected.)

2) When a taxable item (subject to any of Tax 1 to Tax 8) is entered in a sale, the symbol "T" is printed to the right of the item amount.

NOTE 3: Whether the NET VAT total of each VAT is printed on the receipt is selected.

SET: It is printed.

RESET: It is not printed.

NOTE 4: Whether the NET total (amount total not including VAT total) is printed on the receipt is selected.

SET: It is printed.

RESET: It is not printed.

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
22		TAX CONTROL III			
		0			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	VAT Symbol Print	RESET	NON-PRINT	*	NOTE 1 below
		SET	PRINT		
2	Print order of VAT TL and NET TL	RESET	NET TL → VAT TL	*	NOTE 2 below
		SET	VAT TL → NET TL		
3	Single line spacing under each VAT	RESET	NONE	*	NOTE 3 below
		SET	SINGLE LINE SPACING		
4	-- vacant --	RESET		*	
		SET			
5	-- vacant --	RESET		*	
		SET			
6	-- vacant --	RESET		*	
		SET			
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

NOTE 1: If SET, the VAT symbols (A to H) are printed. They will be programmable in the Print Line Item Name Programming.

NOTE 2: This bit status selection is effective when the following options have been SET.
 Address No. 21, Bit No. 2: Tax total amount print
 Address No. 21, Bit No. 8: NET total print

NOTE 3: This bit status selection is effective when one of the following options has been SET.
 Address No. 21, Bit No. 1: Tax separate print
 Address No. 21, Bit No. 3: Taxable total print
 Address No. 21, Bit No. 6: NET VAT total separate print

-- Address Nos. 23 to 26 are vacant. --

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
27		DRAWER OPTION			
		1			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	Drawer Close Compulsory	RESET	NOT COMPULSORY		NOTE 1 below
		SET	COMPULSORY	*	
2	Drawer Warning Alarm	RESET	NON-ACTIVE	*	NOTE 2 below
		SET	ACTIVE		
3	Single-drawer or Multi-drawer	RESET	SINGLE DRAWER	*	NOTE 3 below
		SET	MULTI DRAWER		
4	Multi-drawer Control	RESET	BY CASHIER	*	
		SET	BY CURRENCY		
5	Selection of Change at Tendering in Foreign Currencies	RESET	IN DOMESTIC CURRENCY	*	NOTE 4 below
		SET	IN FOREIGN CURRENCY		
6	Number of Drawers (if Multi-drawer spec.)	RESET	1 DRAWER	*	
		SET	2 DRAWERS		
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

NOTE 1: If SET, the Drawer-close Compulsory option is active. In this case, when the drawer remains open, any operations except [RF], [JF], [C], numeric input for Sign-ON are prohibited. This rule is applied in REG, MGR, , and LOCK modes; in the other modes, the drawer may remain open.

NOTE 2: This bit status selection is effective only when Bit No. 1 is SET. If SET (ACTIVE), the setting in the DRAWER WARNING TIME operation will be effective. In this operation, a time value in seconds can be set for the time length with the drawer open until the warning alarm generated (the initial value is 15 seconds).

NOTE 3: If SET, the Multi-drawer specification is selected.
In the case of Cashier Code Entry Method (using [LOG] or [LOG/RECEIPT] key), a drawer is to be designated in sale entries, and the number of drawers will be further selected at Bit No. 6.
In the case of Cashier Key Method, the drawer to be used will be fixed as in the following:
Drawer 1 for Cashier 1, Drawer 2 for Cashier 2 & all others.

NOTE 4: This bit status selection is available regardless of the status selection for the bit No. 3 and the bit No. 4 in this address.
If RESET, change is returned to a customer by the domestic currency in the foreign currency tendering operation.
If SET, change is returned to a customer by the foreign currency, the symbol "" is displayed in the leftmost 2 digits on the 7-segment Numeric display.
• When change is returned to a customer by the foreign currency, the symbol "" will always be displayed even if the option of the cashier No. display or the PLU price level display (Bits No. 5 and No. 6 of Address No. 4) has been selected.
• When change is returned to a customer by the foreign currency, the Drawer 2 will open if both the bit No. 3 and the bit No. 4 in this address have been "SET".

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
28		OPTIONAL FUNCTION VI			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	No-sale Entry After Non-add # Entry	RESET	ALLOWED	*	
		SET	PROHIBITED		
2	Number of Times for Non-add # Entries Within a Receipt	RESET	ANY NUMBER OF TIMES	*	
		SET	ONLY ONCE ALLOWED		
3	[RF] Operation During a Sale	RESET	ALLOWED	*	[JF] is allowed anytime.
		SET	PROHIBITED		
4	Consecutive No. on Receipt and Journal	RESET	PRINT	*	Even when NON-PRINT, the Consecutive No. is counted in memory.
		SET	NON-PRINT		
5	Consecutive No. Resetting	RESET	NON-RESETTABLE	*	NOTE below
		SET	RESET ON Financial Daily Z		
6	Negative Mode (<input type="checkbox"/>) Operation	RESET	ALLOWED	*	
		SET	PROHIBITED		
7	Drawer Open when operating the [TRF] key	RESET	OPEN	*	
		SET	NOT OPEN		
8	-- vacant --	RESET		*	
		SET			

NOTE: If SET status is selected, the Consecutive No. will start from "0001" on the first receipt issued after every Financial Daily Reset Report.

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
29		OPTIONAL FUNCTION VII			
		6			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	-- vacant --	RESET		*	
		SET			
2	-- vacant --	RESET		*	
		SET			
3	-- vacant --	RESET		*	
		SET			
4	-- vacant --	RESET		*	
		SET			
5	-- vacant --	RESET		*	
		SET			
6	Footer Message Print	RESET	PRINT		NOTE below
		SET	NON-PRINT	*	
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

NOTE: Footer message print is selected.
 SET: NON-PRINT
 RESET: It is printed under the trailer line (cashier name, consecutive No., current time).

System Option Table

Standard Bit Set (auto-set by RAM Clear)

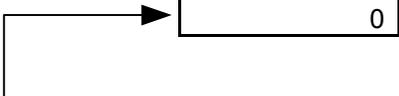
ADDRESS NO.		CONTENTS			
30		OPTIONAL FUNCTION VIII			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	IPD or INPD on Journal in REG and MGR modes	RESET	IPD	*	NOTE 1 below
		SET	INPD		
2	-- vacant --	RESET		*	
		SET			
3	-- vacant --	RESET		*	
		SET			
4	-- vacant --	RESET		*	
		SET			
5	-- vacant --	RESET		*	
		SET			
6	Cashier Interrupt	RESET	PROHIBITED	*	NOTE 2 below
		SET	ALLOWED		
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

NOTE 1: RESET: IPD (Items Printed Detail)Details of the sale entry are printed on journal, just as on receipts.
 SET: INPD (Items Not Printed Detail)Details of the Department/PLU entry in **REG** or **MGR** mode (excepting Returned Merchandise, Item Correct, Negative Dept./PLU, Void, All Void) are omitted on the journal only.

NOTE 2: RESET: Cashier Interrupt function is prohibited.
 SET: Cashier Interrupt function is allowed.

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
31		OPTIONAL FUNCTION IX			
					
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	-- vacant --	RESET		*	
		SET			
2	-- vacant --	RESET		*	
		SET			
3	Date, day of week, and Register No. print on Journal	RESET	NON-PRINT	*	NOTE 1 below
		SET	PRINT		
4	-- vacant --	RESET		*	
		SET			
5	Selection of the Store Name Message or Store Name Logo on Receipt	RESET	STORE NAME LOGO	*	NOTE 2 below
		SET	STORE NAME MESSAGE		
6	-- vacant --	RESET		*	This bit must always be RESET.
		SET			
7	Group Print in All Department Read Report	RESET	NON-PRINT	*	NOTE 3 below
		SET	PRINT		
8	-- vacant --	RESET		*	
		SET			

NOTE 1: If SET, date, day of week, and register No. are printed on the journal. In X and Z modes, they are printed on the journal regardless of this bit status selection.

NOTE 2: Either Store Name Message or Store Name Logo is selected. If SET, the Store Name Message specification is active. When none of store name message has been programmed, its corresponding portion on the receipt will be blank.

NOTE 3: Whether the group is printed on the all department read report is selected. If SET, it will be printed. Additionally, the group is printed on the reset report regardless of this bit status selection.

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
32		OPTIONAL FUNCTION X			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	[%+] and [%-] after a Subtotal within a Sale	RESET	ANY NUMBER OF TIMES	*	
		SET	ONLY ONCE ALLOWED		
2	-- vacant --	RESET		*	
		SET			
3	Automatic Cashier Sign OFF on finalizing a sale	RESET	NON-ACTIVE	*	NOTE 1 below
		SET	ACTIVE		
4	[% I] key Use (= SFKC 70)	RESET	USED AS [%+] KEY	*	NOTE 2 below
		SET	USED AS [%-] KEY		
5	[% II] key Use (= SFKC 71)	RESET	USED AS [%-] KEY	*	
		SET	USED AS [%+] KEY		
6	Amount Print on [CRT] Depression to Finalize a Sale including Previous Balance	RESET	Sale Total Including PB	*	Displays Sale Total amount including PB in either status
		SET	Sale Total Excluding PB		
7	Salesperson Sign-ON Before Sale Item Entries	RESET	NOT COMPULSORY	*	NOTE 3 below
		SET	COMPULSORY		
8	Salesperson Sign-ON Anytime During a Sale	RESET	ALLOWED	*	
		SET	PROHIBITED		

NOTE 1: If SET (ACTIVE), the signed-ON cashier will automatically be signed OFF on finalizing each sale. At the automatic cashier sign OFF, the description "SIGN OFF" is printed neither on the receipt nor on the journal.

NOTE 2: Bit No.4 and No.5 are provided in case your user wants two [%-] keys or two [%+] keys rather one for each.
 One [%+] and one [%-] (Standard Bit Status): Bit No. 4.....RESET (%I = %+), Bit No. 5.....RESET (%II = %-)
 Two [%-] keys: Bit No. 4.....SET (%I = %-), Bit No. 5.....RESET(%II = %-)
 In this case, do not forget to change the Financial Total Name of the %I key.
 Two [%+] keys: Bit No. 4.....RESET (%I = %+), Bit No. 5.....SET (%II = %+)
 In this case, do not forget to change the Financial Total Name of the %II key.

NOTE 3: NOT COMPULSORY: A Salesperson Sign-ON may or may not be operated for sale entries.
 COMPULSORY: A Salesperson must sign ON first of all the sale items of Department, PLU, Amount Discount, Vendor Coupon, or PB+, PB-, entries.

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
33		OPTIONAL FUNCTION XI			
		2			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	Date Set and Print Order	RESET	Follow Bit 2 status	*	If both RESET, it will be YEAR-MONTH-DAY order. (If both SET, it will result in MONTH-DAY-YEAR.)
		SET	MONTH-DAY-YEAR		
2	Date Set and Print Order	RESET	Follow Bit 1 status		The digit selection (Bit No. 4) and SPECIAL ROUNDING PROCESS are further necessary.
		SET	DAY-MONTH-YEAR	*	
3	Special Rounding on Sale Total	RESET	NON-ACTIVE	*	NOTE below
		SET	ACTIVE		
4	Number of Digits Subject to Special Rounding	RESET	1 DIGIT	*	
		SET	2 DIGITS		
5	Denmark Special Rounding/Australia Special Rounding	RESET	NORMAL SP. ROUND	*	
		SET	DENMARK SP. ROUND/AUSTRALIA SP. ROUND		
6	-- vacant --	RESET		*	
		SET			
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

NOTE: To realize the Denmark Special Rounding feature or the Australia Special Rounding feature, set Bit No.3 through No.5 in this address as follows.

for Denmark Special Rounding feature

System Option		SET	RESET	Remarks
Special rounding on sale total	(Bit No.3)	O		
Number of digits subject to special rounding	(Bit No.4)	O		2-digit type
Denmark special rounding	(Bit No.5)	O		

- Set the rounding table of the Denmark Special Rounding in accordance with SPECIAL ROUNDING PROCESS SETTING, 2-digit type.

for Australia Special Rounding feature

System Option		SET	RESET	Remarks
Special rounding on sale total	(Bit No.3)	O		
Number of digits subject to special rounding	(Bit No.4)		O	1-digit type
Australia special rounding	(Bit No.5)	O		

- Set the rounding table of the Australia Special Rounding in accordance with SPECIAL ROUNDING PROCESS SETTING, 1-digit type.

System Option Table

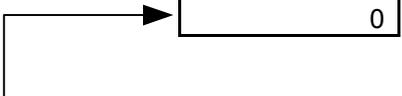
Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
34		OPTIONAL FUNCTION XII			
		12			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	Decimal Point in Item Count and % Rate	RESET	▪ (POINT)		-- ex) 1.5%
		SET	‚ (COMMA)	*	-- ex) 1,5%
2	Amount Division Symbol between Main and Subsidiary digits for 0.00 type	RESET	▪ (POINT)		-- ex) €2.50
		SET	‚ (COMMA)	*	-- ex) €2,50
3	Amount Division Symbol between 3rd and 4th digits for . - - 0	RESET	▪ (POINT)	*	-- ex) ¥1.000
		SET	‚ (COMMA)		-- ex) ¥1,000
4	-- vacant --	RESET		*	
		SET			
5	-- vacant --	RESET		*	
		SET			
6	-- vacant --	RESET		*	
		SET			
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

-- Address Nos. 35 is vacant. --

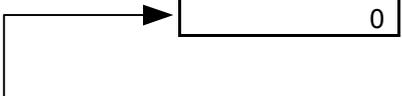
System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
36		FOREIGN CURRENCY OPTION			
					
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	[CUR 1] (Foreign Currency 1) Zero-suppress Display	RESET	0.00 (\$, €, £, etc.)	*	These bits selections are also applied to the print.
		SET	. - - 0 (such as Japan yen)		
2	[CUR 2] (Foreign Currency 2) Zero-suppress Display	RESET	0.00 (\$, €, £, etc.)	*	
		SET	. - - 0 (such as Japan yen)		
3	[CUR 3] (Foreign Currency 3) Zero-suppress Display	RESET	0.00 (\$, €, £, etc.)	*	
		SET	. - - 0 (such as Japan yen)		
4	[CUR 4] (Foreign Currency 4) Zero-suppress Display	RESET	0.00 (\$, €, £, etc.)	*	
		SET	. - - 0 (such as Japan yen)		
5	[CUR 5] (Foreign Currency 5) Zero-suppress Display	RESET	0.00 (\$, €, £, etc.)	*	
		SET	. - - 0 (such as Japan yen)		
6	Foreign Currency Tender Amount Print in payment of a sale	RESET	NON-PRINT	*	
		SET	PRINT		
7	Foreign Currency Exchange Rate Print in payment or No-sale Exchange	RESET	NON-PRINT	*	
		SET	PRINT		
8	No-sale Exchange from Domestic to Foreign Currencies	RESET	PROHIBITED	*	
		SET	ALLOWED		

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
38		OPTIONAL FUNCTION XIV			
					
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	-- vacant --	RESET		*	
		SET			
2	-- vacant --	RESET		*	
		SET			
3	Cashier Identifying Method: Push SFKC Keys	RESET	CODE ENTRY METHOD	*	NOTE below
		SET	PUSH SFKC KEYS		
4	-- vacant --	RESET		*	
		SET			
5	-- vacant --	RESET		*	
		SET			
6	-- vacant --	RESET		*	
		SET			
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

NOTE: If SET, PUSH SFKC KEYS specification is effective.
 CODE ENTRY METHOD: A cashier signs ON by entering a 4-digit code and the [LOG/RECEIPT] key.
 PUSH SFKC KEYS: Cashier keys can be programmed on the keyboard by the SFKC programming. A cashier signs ON by depressing a cashier key assigned on the keyboard. This cashier is valid until another cashier key is depressed.

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
39		OPTIONAL FUNCTION XV			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	Money Declaration Operation	RESET	PROHIBITED	*	NOTE 1 below
		SET	COMPULSORY		
2	Money Declaration is performed by:	RESET	EACH CASHIER	*	NOTE 2 below
		SET	PERMITTED CASHIER		
3	-- vacant --	RESET		*	
		SET			
4	-- vacant --	RESET		*	
		SET			
5	-- vacant --	RESET		*	
		SET			
6	-- vacant --	RESET		*	
		SET			
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

NOTE 1: The Money Declaration Operation Compulsory (SET) status may be selected only when the ECR adopts the PUSH SFKC Keys Method (not CODE ENTRY method).

- Whether Money Declaration is to be operated by individual cashiers or totally by the permitted cashier is determined by the Bit No. 2 status selection.
- With this option selected, the following reports cannot be taken: Media Sales and In-drawer Total Read, All Media Sales Total and Cash-in-Drawer Read, Daily All Cashier Read/Reset, Daily Individual Cashier Read/Reset. (However, when Bit 2 is SET, the Daily All Cashier Read/Reset Report and the Daily Individual Cashier Read/Reset Report can be printed.)
- When Bit No. 2 is RESET, the Daily Financial Read/Reset Report can be issued only after a Money Declaration operation for all the cashiers. When Bit No. 2 is set, these reports can be printed by the permitted cashier after performing a Money Declaration operation.

NOTE 2: If SET status (PERMITTED CASHIER) is selected, the in-drawer amount entries are totally performed by the permitted cashier. In this case, the media difference memory will not be processed in the Cashier Reports but the Financial Reports.

-- Address Nos. 40 and 41 are vacant. --

System Option Table

Standard Bit Set (auto-set by RAM Clear)

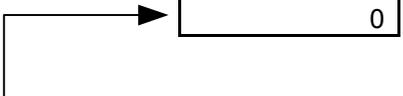
ADDRESS NO.		CONTENTS			
42		OPTIONAL FUNCTION XVI			
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	-- vacant --	RESET		*	
		SET			
2	-- vacant --	RESET		*	
		SET			
3	-- vacant --	RESET		*	
		SET			
4	-- vacant --	RESET		*	
		SET			
5	-- vacant --	RESET		*	
		SET			
6	-- vacant --	RESET		*	
		SET			
7	-- vacant --	RESET		*	
		SET			
8	Consecutive No. Print immediately after the previous daily financial reset	RESET	NON-PRINT	*	NOTE below
		SET	PRINT		

NOTE: If SET status is selected, the consecutive No. immediately after the previous daily financial reset is printed on the daily financial reset report. (Columbia specification)
 After a RAM Clear or Data Clear, the consecutive No. will be cleared.

-- Address Nos. 43 to 46 are vacant. --

System Option Table

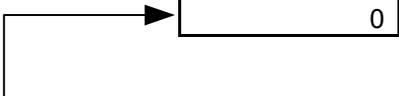
Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
47		PC OPTION			
					
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	-- vacant --	RESET		*	
		SET			
2	-- vacant --	RESET		*	
		SET			
3	-- vacant --	RESET		*	
		SET			
4	-- vacant --	RESET		*	
		SET			
5	-- vacant --	RESET		*	
		SET			
6	Zero-skip of PLU Data when transmitting to PC	RESET	PRINT ALL PLU DATA	*	
		SET	ZERO-SKIP		
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

-- Address No. 48 is vacant. --

System Option Table

Standard Bit Set (auto-set by RAM Clear)

ADDRESS NO.		CONTENTS			
49		OPTIONAL FUNCTION XVII			
					
BIT NO.	ITEM	SELECTIVE STATUS		STANDARD STATUS	REMARKS
1	Narrow Printing on Journal	RESET	STANDARD PRINTING	*	NOTE 1 below
		SET	NARROW PRINTING		
2	-- vacant --	RESET		*	
		SET			
3	Disconnection of the Journal Printer	RESET	CONNECTED	*	NOTE 2 below
		SET	DISCONNECTED		
4	-- vacant --	RESET		*	
		SET			
5	-- vacant --	RESET		*	
		SET			
6	-- vacant --	RESET		*	
		SET			
7	-- vacant --	RESET		*	
		SET			
8	-- vacant --	RESET		*	
		SET			

NOTE 1: *Narrow printing on journal*
SET: *Journal print is performed with narrow printings.*
RESET: *Journal print is performed with standard printings.*

NOTE 2: *If SET status is selected, the Journal Printer is disconnected. Only the receipt print will be performed. When this status is changed from SET (the Journal Printer is disconnected) to RESET (the Journal Printer is connected), power off then on the ECR.*

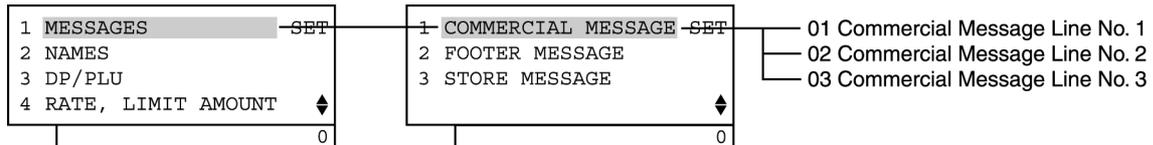
6.6 Commercial Message Programming

A maximum of 96 characters of Commercial Message (32 characters x 3 lines) to be printed on the receipt is programmed here.

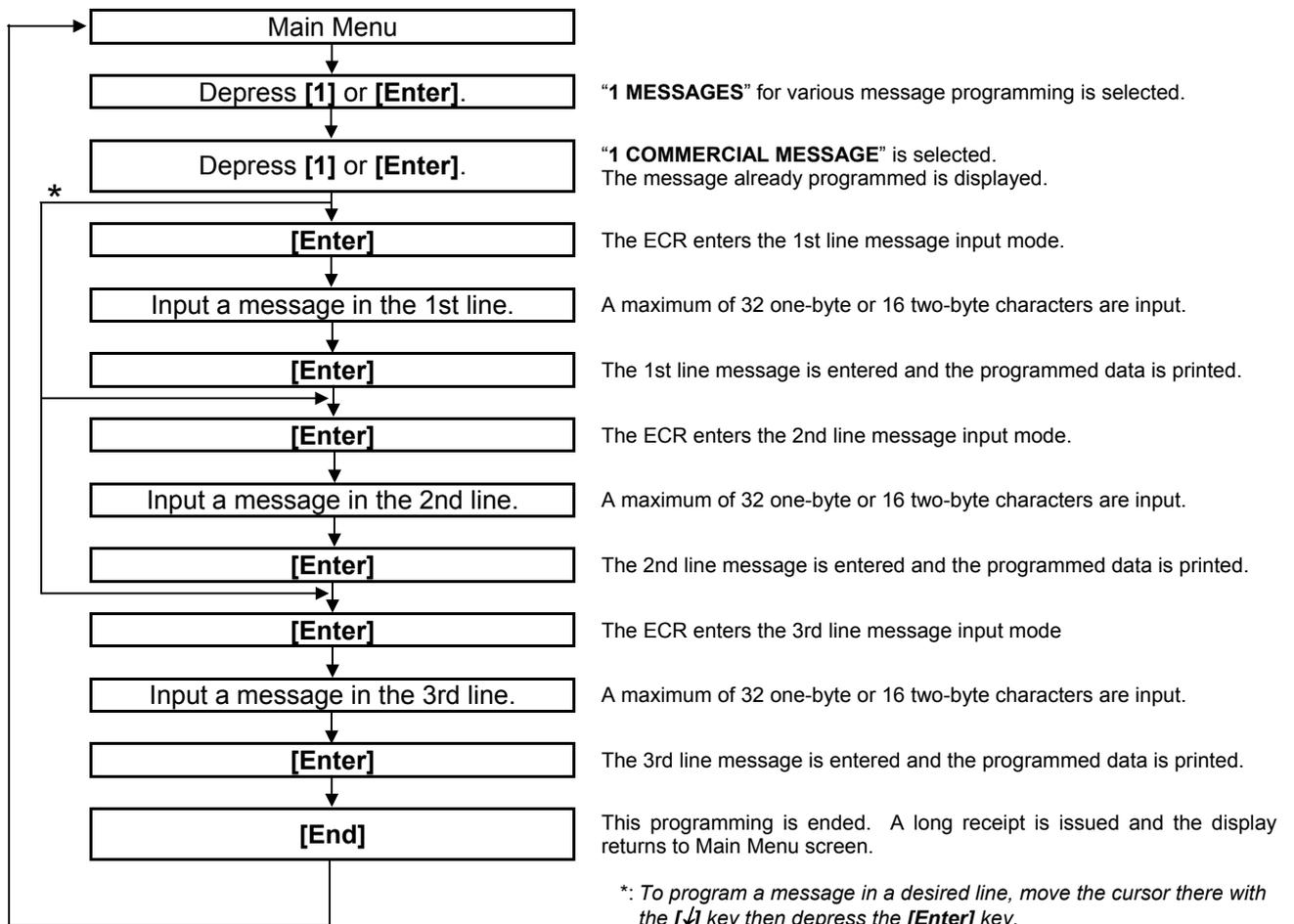
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



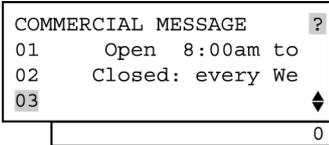
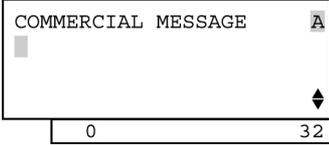
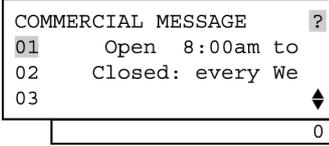
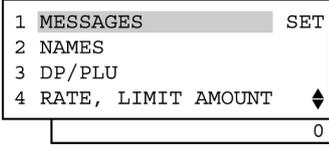
2) Operation Flowchart



NOTES:

- For each line, a maximum of 32 one-byte characters or 16 two-byte characters can be entered. A combination of both types is also available.
- If three blank lines are programmed for a commercial message, their portions on the receipt will be closed. If at least one line message is programmed, the other two lines will be blank.

(continued from the previous page)

Operation	LCD Display	Remarks
The [Enter] key depression results in that the input message is entered and displayed.		When the [Enter] key is depressed, the message programmed in the 2nd line is printed.
The [Enter] key depression allows the ECR to enter the 3rd line message input mode. (The [C] key depression clears the message already programmed.) The 3rd line message is input.		Numbers of programmed characters and of programmable characters are displayed on the 7-segment numeric display. Example of key operation) [Enter] (No message was input in the 3rd line.)
The [Enter] key depression results in that the input message is entered and displayed.		When the [Enter] key is depressed, the message programmed in the 3rd line is printed.
The [End] key depression allows the ECR to end this programming.		A long receipt is issued and the display returns to Main Menu screen.

NOTE: In the above example, characters except for alphabets are entered using the character code entry method.

```

31-10-2005 MON #0

      CM NAME
1      Open 8:00am to 7:00pm
2      Closed: every Wednesday
3

                                0004 13:10TM
    
```

6.7 Footer Message Programming

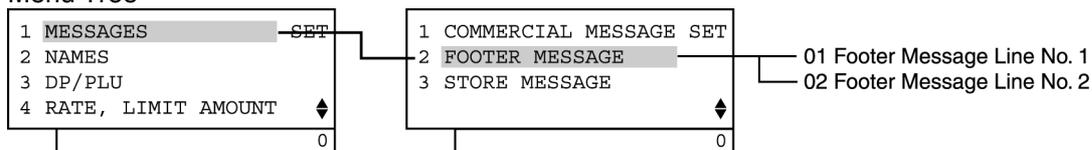
A maximum of 64 characters of Footer Message (32 characters x 2 lines) to be printed on the receipt is programmed here.

Prior to the Footer Message Programming, be sure to select RESET status for Address No. 29, Bit No. 6 of the system option.

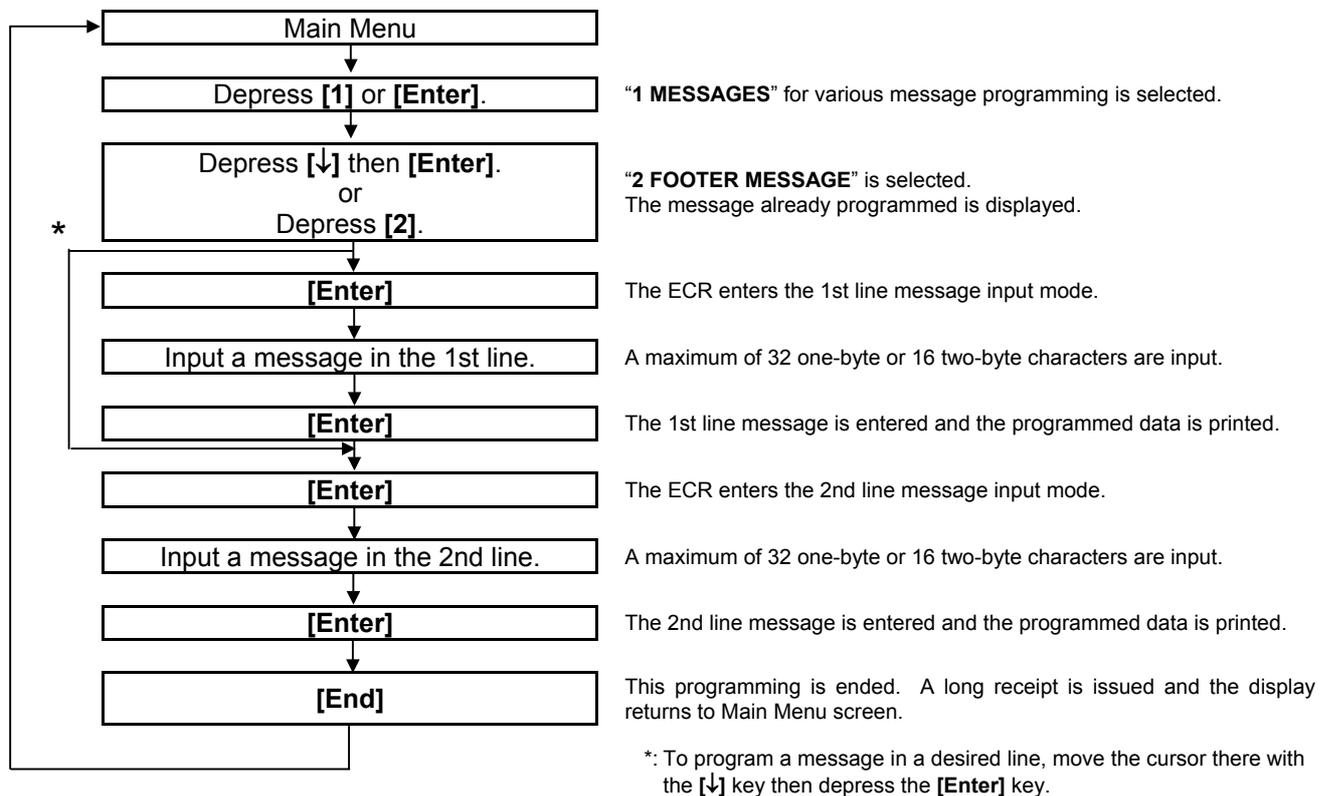
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree

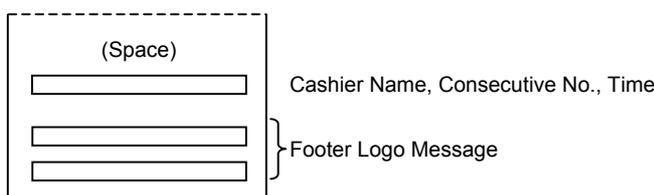


2) Operation Flowchart



NOTES:

- For each line, a maximum of 32 one-byte characters or 16 two-byte characters can be entered. A combination of both types is also available.
- Print format is as shown below.



6.8 Store Name Message Programming

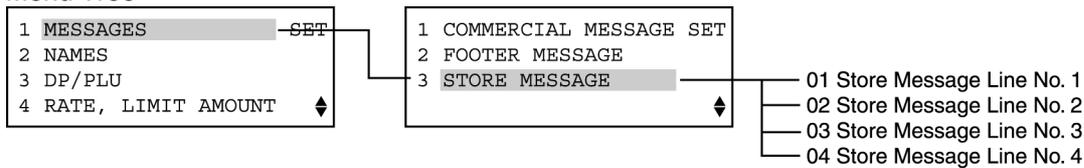
A maximum of 128 characters of Store Name Message (32 characters x 4 lines) to be printed on the receipt is programmed here.

Prior to the Store Name Message Programming, be sure to select SET status for Address No. 31, Bit No. 5 of the system option.

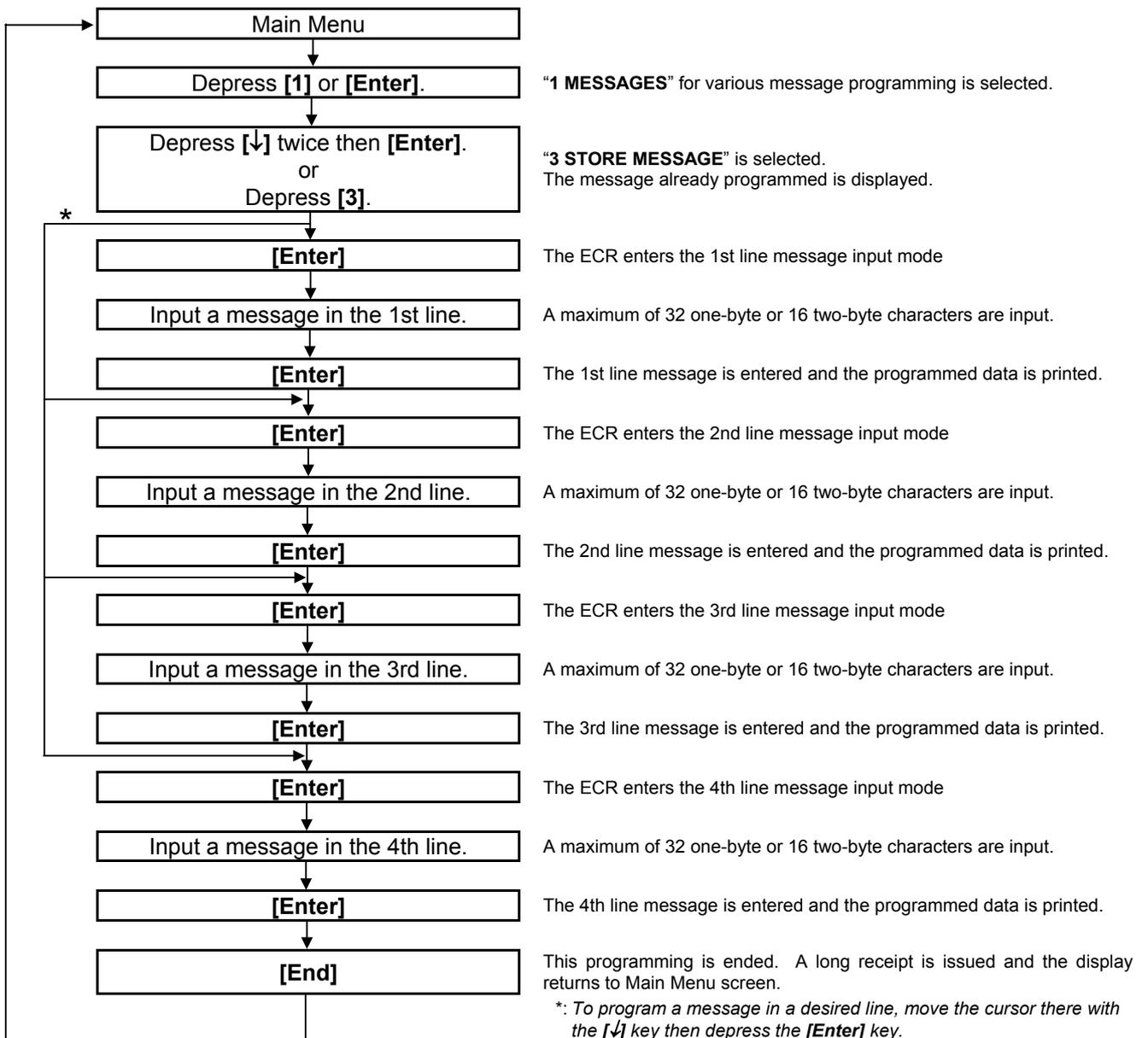
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



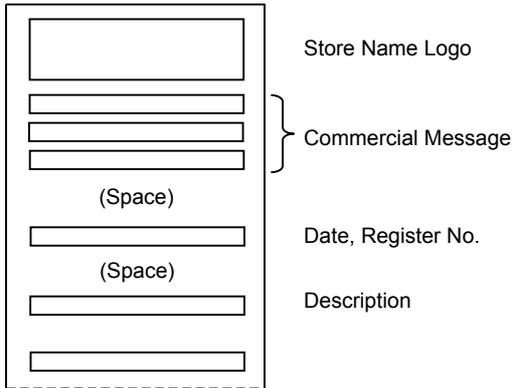
2) Operation Flowchart



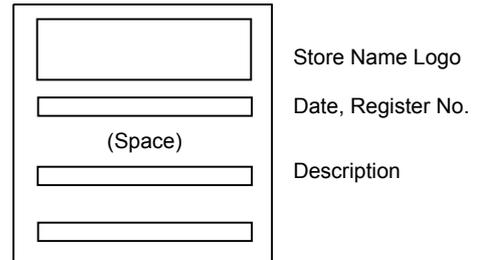
- NOTES:**
1. For each line, a maximum of 32 one-byte characters or 16 two-byte characters can be entered. A combination of both types is also available.
 2. When blanks are entered for the whole one line, it results in one line feed.
 3. When the store name message specification has been selected, the 4-line range assigned for the store name message is either printed or fed, regardless of any system option selection.
 4. Print format for each specification is as shown below.

1) Store Name Logo specification

When Commercial Message is SET

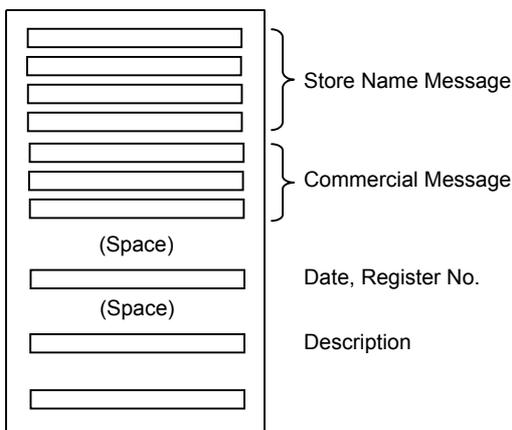


When Commercial Message is RESET

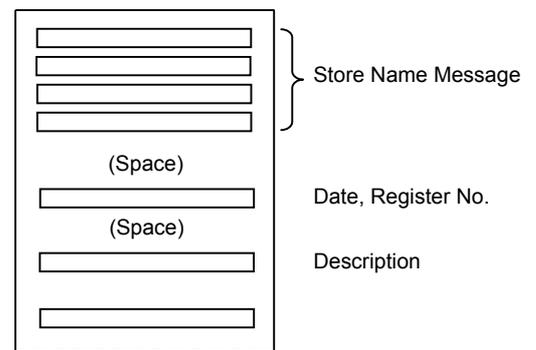


2) Store Name Message specification

When Commercial Message is SET



When Commercial Message is RESET

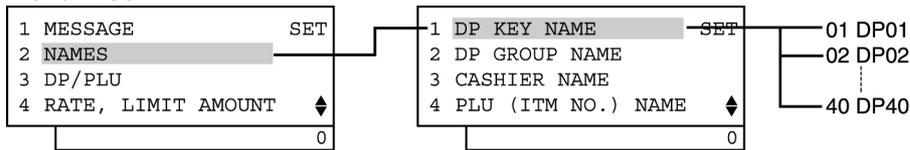


6.9 Department Name Programming

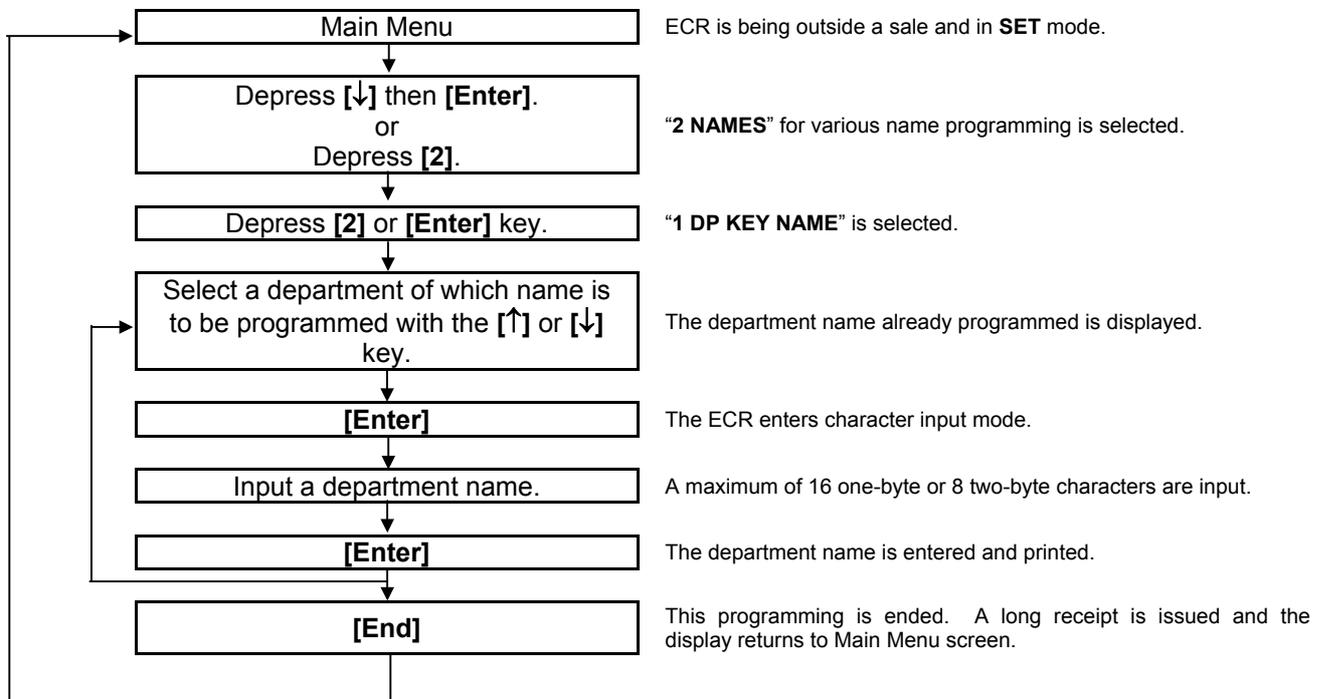
A maximum of 16 characters of department name is programmed here.

- CONDITION** Any time outside a sale
- OPERATION** Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTE: A maximum of 16 one-byte characters or 8 two-byte characters can be entered. A combination of both types is also available.

- 3) Example
To program "FOOD" as the name of Department 01.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "2 NAMES".
Depress the [2] or [Enter] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	"2 NAME" is selected.
Depress the [1] or [Enter] key.	<pre> 1 DP KEY NAME SET 2 DP GROUP NAME 3 CASHIER NAME 4 PLU (ITM NO.) NAME 0 </pre>	"1 DP KEY NAME" is selected.
Depress the [Enter] key. (Department 01 is selected.)	<pre> DP KEY NAME ? 01 DP 01 02 DP 02 03 DP 03 0 </pre>	When programming a name of another department, move the cursor on to a desired department with the [↓] or [↑] key, then depress the [Enter] key.
The [C] key depression clears the department name already programmed.	<pre> DP KEY NAME A DP 01 6 16 </pre>	The department name already programmed is displayed.
Input a desired name.	<pre> DP KEY NAME A 0 16 </pre>	Numbers of programmed characters and of programmable characters are displayed on the 7-segment numeric display. Example of key operation) [F] [O] [O] [D] [Enter]
The [Enter] key depression results in that the input name is entered and displayed.	<pre> DP KEY NAME ? 01FOOD 02 DP 02 03 DP 03 0 </pre>	When the [Enter] key is depressed, the programmed data is printed.
The [End] key depression allows the ECR to end this programming.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

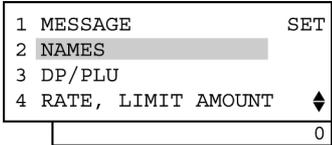
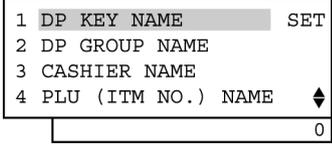
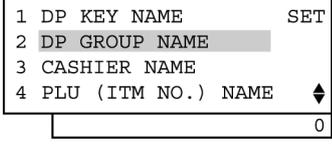
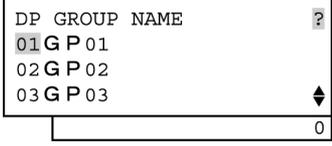
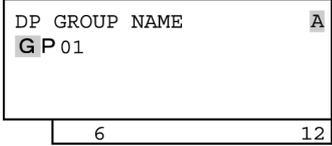
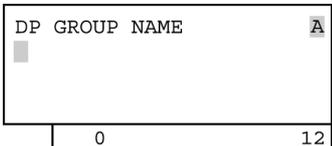
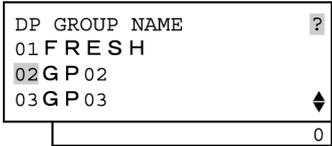
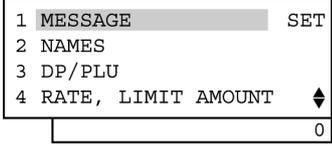
Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

DP NAME
01 FOOD

0006 13:17TM
                    
```


(continued from the previous page)

Operation	LCD Display	Remarks
Depress the [2] or [Enter] key.		"2 NAMES" is selected.
Depress the [↓] key.		The cursor is moved on to "2 DP GROUP NAME".
Depress the [2] or [Enter] key.		"2 DP GROUP NAME" is selected.
Depress the [Enter] key. (Department Group 1 is selected.)		When programming a name of another department group, move the cursor on to a desired one with the [↓] or [↑] key, then depress the [Enter] key.
The [C] key depression clears the department group name already programmed.		The department group name already programmed is displayed.
Input a desired name.		Numbers of programmed characters and of programmable characters are displayed on the 7-segment numeric display. Example of key operation) [Dbi] [F] [R] [E] [S] [H] [Enter]
The [Enter] key depression results in that the input name is entered and displayed.		When the [Enter] key is depressed, the programmed data is printed.
The [End] key depression allows the ECR to end this programming.		A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

GROUP
01 FRESH

0007 13:19TM
    
```

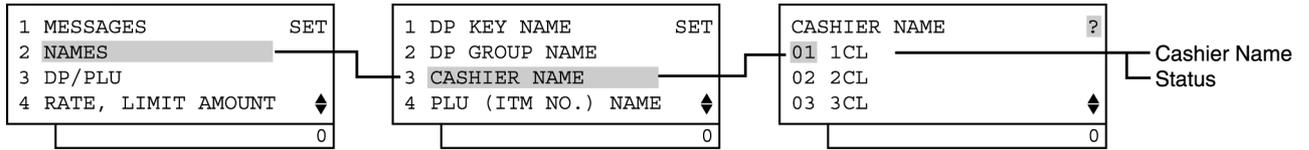
6.11 Cashier Name and Status Programming

Cashier Name and Cashier Status for each cashier can be programmed here.

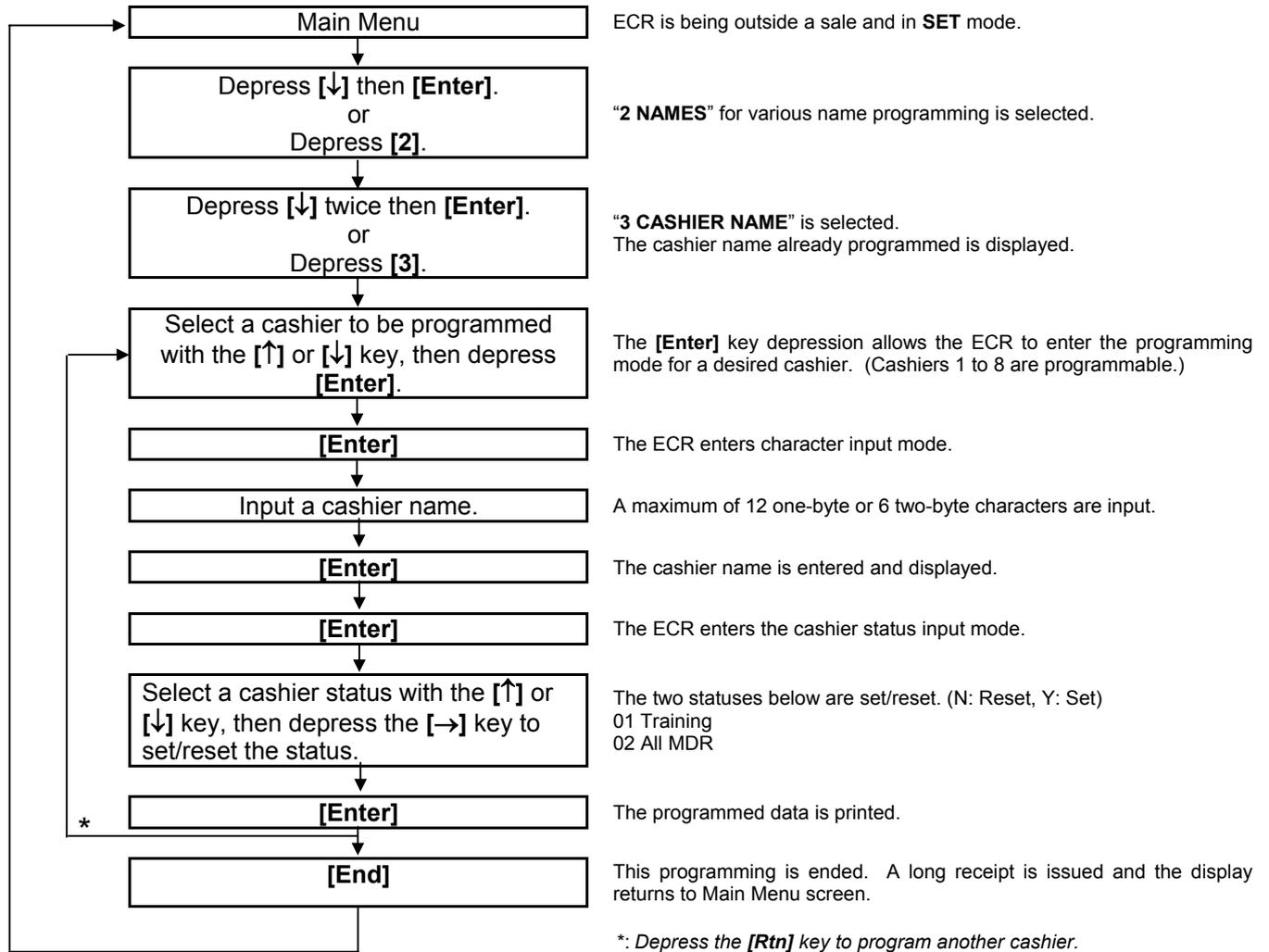
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



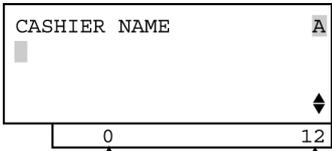
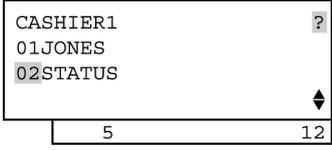
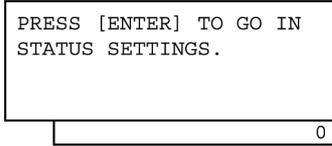
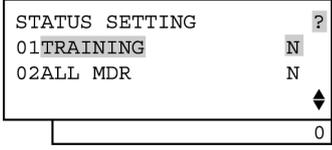
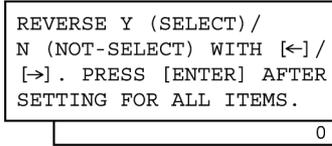
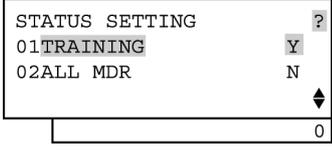
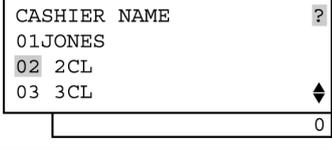
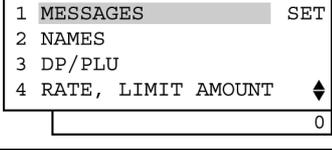
NOTES:

1. Cashiers 1 to 8 are programmed with the names "1CL" to "8CL" as default setting.
 2. For the name of each cashier, a maximum of 12 one-byte or 6 two-byte characters can be entered.
A combination of both types is also available.
 3. Training entry status is available for every cashier.
 4. Prior to the change of cashier status (Normal cashier → Training cashier, or Training cashier → Normal Cashier), daily reports and GT reports of this cashier should be taken.
- 3) Example
To program the following cashier data.
Cashier 1: JONES (cashier name), Training Cashier (status)

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key.		The cursor is moved on to "2 NAMES".
Depress the [2] or [Enter] key.		"2 NAMES" is selected.
Depress the [↓] key twice.		The cursor is moved on to "3 CASHIER NAME".
Depress the [3] or [Enter] key.		"3 CASHIER NAME" is selected.
The cashier name already programmed is displayed.		While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.
The [Enter] key depression allows the ECR to enter Cashier 1 programming mode menu. (To program a desired cashier, select the cashier with the [↓] key then depress the [Enter] key.)		While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.

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Operation	LCD Display	Remarks
<p>The [Enter] key depression allows the ECR to enter the cashier 1 name input mode. (The [C] key depression clears the name already programmed.) The cashier 1 name is input.</p>	 <p>Number of programmed characters Number of programmable characters</p>	<p>Numbers of programmed characters and of programmable characters are displayed on the 7-segment numeric display.</p> <p>Example of key operation) [J] [O] [N] [E] [S] [Enter]</p>
<p>The [Enter] key depression results in that the input name is entered and displayed.</p>		<p>The [?] key depression results in that the following guidance message appears on the LCD display.</p> 
<p>The next [Enter] key depression allows the ECR to enter the cashier 1 status input mode.</p>		<p>The [?] key depression results in that the following guidance message appears on the LCD display.</p> 
<p>Select the status of 01 TRAINING with the [→] key.</p>		
<p>The [Enter] key depression results in that the Cashier 1 programming data is entered.</p>		<p>When the [Enter] key is depressed, the programmed data is printed.</p>
<p>The [End] key depression allows the ECR to end this programming.</p>		<p>A long receipt is issued and the display returns to Main Menu screen.</p>

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

CASHIER
01
#01 JONES 1
#02
0008 13:21TM
    
```

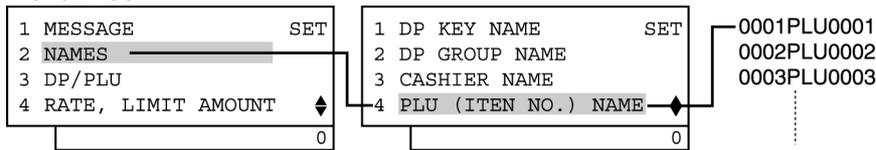
6.12 PLU Name Programming

A maximum of 16 characters of PLU name is programmed here.

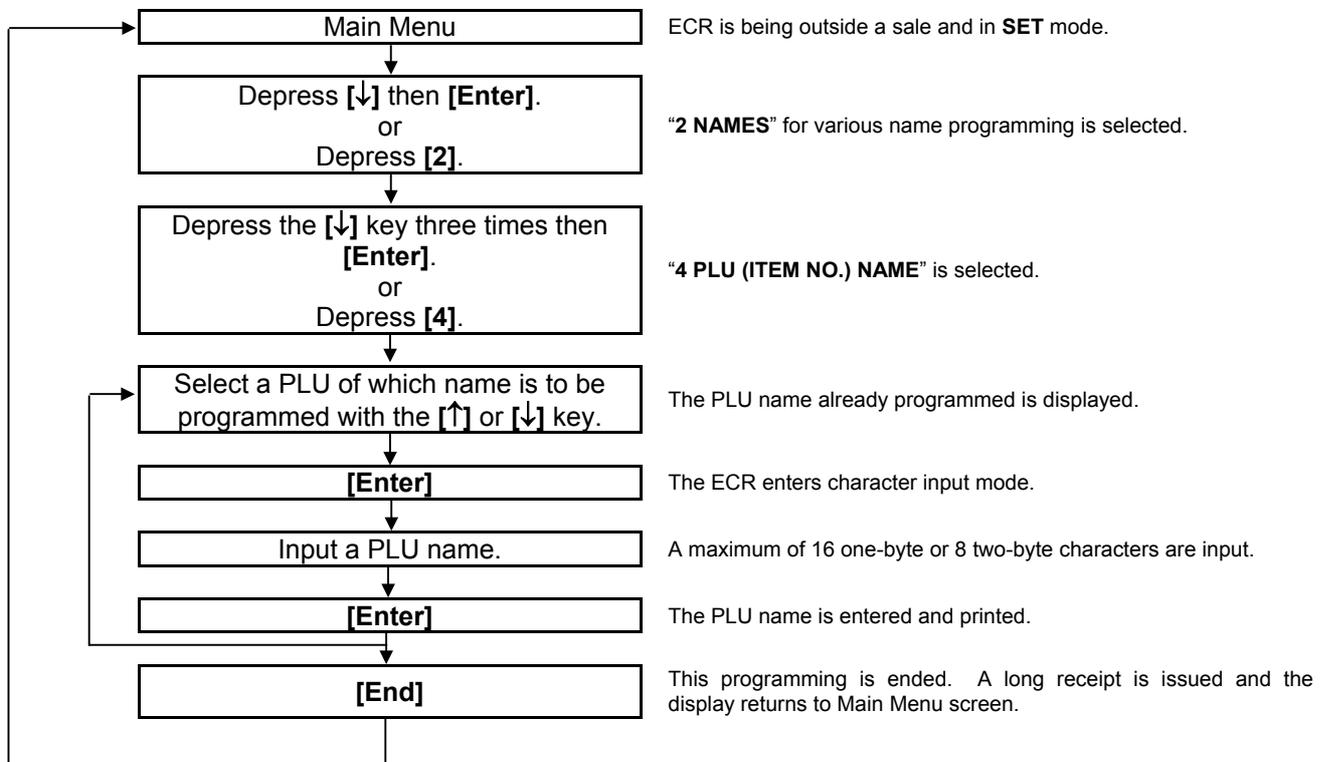
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTE: A maximum of 16 one-byte characters or 8 two-byte characters can be entered. A combination of both types is also available.

3) Example

To program "Tomato" as the name of PLU Code No. 0001.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key.		The cursor is moved on to "2 NAMES".

(continued on the next page)

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Operation	LCD Display	Remarks
Depress the [2] or [Enter] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	
Depress the [↓] key three times.	<pre> 1 DP KEY NAME SET 2 DP GROUP NAME 3 CASHIER NAME 4 PLU (ITM NO.) NAME 0 </pre>	The cursor is moved on to "4 PLU (ITM NO.) NAME" .
Depress the [4] or [Enter] key.	<pre> 1 DP KEY NAME SET 2 DP GROUP NAME 3 CASHIER NAME 4 PLU (ITM NO.) NAME 0 </pre>	"4 PLU (ITM NO.) NAME" is selected.
Depress the [Enter] key. (PLU Code No. 0001 is selected.)	<pre> PLU (ITM NO.) NAME ? 0001PLU0001 0002PLU0002 0003PLU0003 0 </pre>	When programming a name of another PLU, move the cursor on to a desired PLU with the [↓] or [↑] key, then depress the [Enter] key.
The [C] key depression clears the PLU name already programmed.	<pre> PLU (ITM NO.) NAME A PLU0001 7 16 </pre>	The PLU name already programmed is displayed.
Input a desired name.	<pre> PLU (ITM NO.) NAME A 0 16 </pre>	Numbers of programmed characters and of programmable characters are displayed on the 7-segment numeric display. Example of key operation) [T] [A/a] [o] [m] [a] [t] [o] [Enter]
The [Enter] key depression results in that the input name is entered and displayed.	<pre> PLU (ITM NO.) NAME ? 0001Tomato 0002PLU0002 0003PLU0003 0 </pre>	When the [Enter] key is depressed, the programmed data is printed.
The [End] key depression allows the ECR to end this programming.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

PLU NAME
0001 Tomato

0009 13:23TM
                    
```

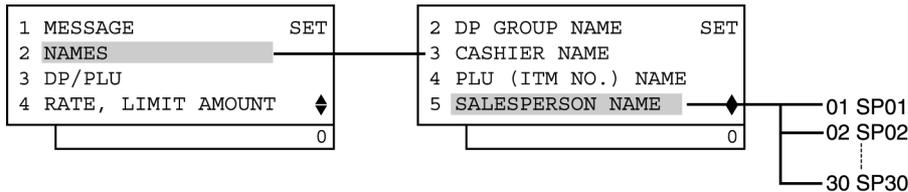
6.13 Salesperson Name Programming

By programming Salesperson here, the name of each salesperson can be programmed in a maximum of 12 characters.

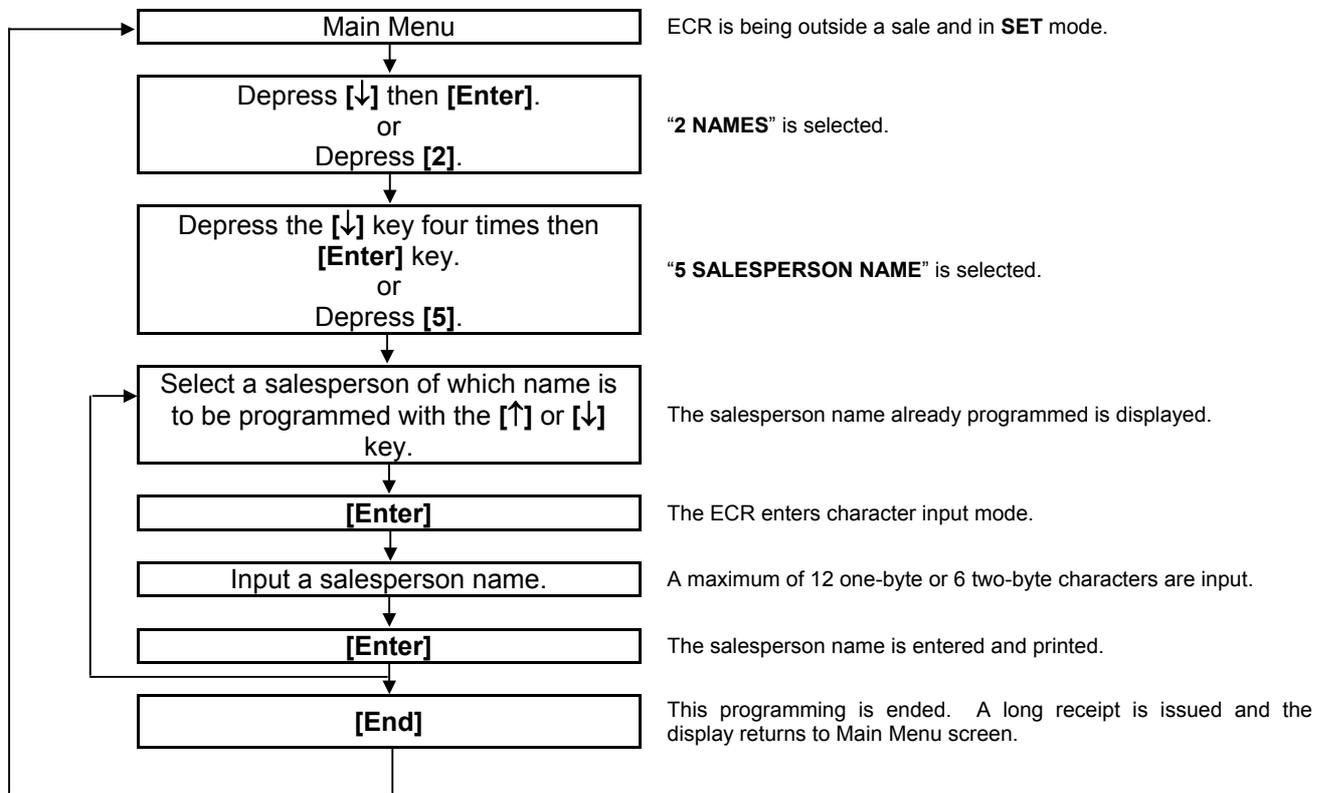
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



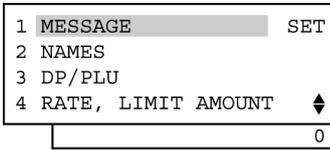
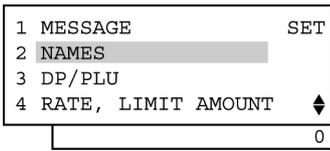
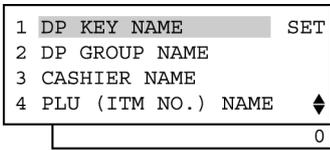
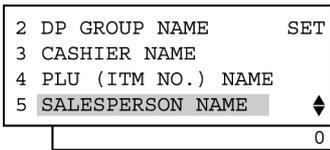
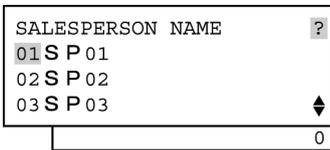
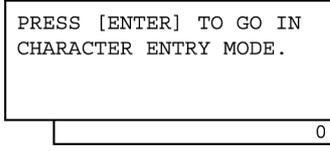
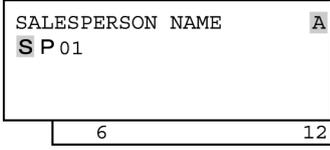
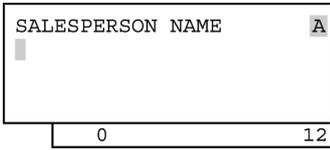
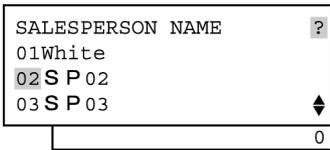
2) Operation Flowchart



NOTES:

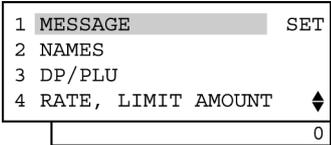
1. A maximum of 30 salesperson names can be set. The salesperson codes 1 to 30 are fixed.
2. A maximum of 12 one-byte characters or 6 two-byte characters can be entered. A combination of both types is also available.

- 3) Example
To program "White" on Salesperson Code 01:

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key.		The cursor is moved on to "2 NAMES".
Depress the [2] or [Enter] key.		"2 NAMES" is selected.
Depress the [↓] key four times.		The cursor is moved on to "5 SALESPERSON NAME".
Depress the [5] or [Enter] key.		"5 SALESPERSON NAME" is selected.
Depress the [Enter] key. (Salesperson 01 is selected.)		While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.
		
The [C] key depression clears the salesperson name already programmed.		The salesperson name already programmed is displayed.
Input a desired name.		Numbers of programmed characters and of programmable characters are displayed on the 7-segment numeric display. Example of key operation) [W] [A/a] [h] [l] [t] [e] [Enter]
The [Enter] key depression results in that the input name is entered and displayed.		When the [Enter] key is depressed, the programmed data is printed.

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Operation	LCD Display	Remarks
<p>The [End] key depression allows the ECR to end this programming.</p>		<p>A long receipt is issued and the display returns to Main Menu screen.</p>

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

SALES PERSON
01 White

0010 13:25TM
    
```

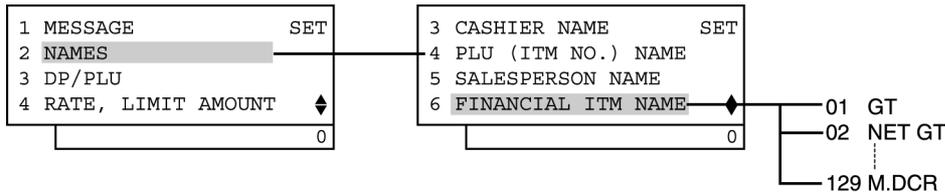
6.14 Financial Report Item Name Programming

Item Names printed on Financial Report are programmed here. Many of them are also printed on sales receipts. Other Line Item Names will be programmed in **6.15 Print Line Item Name Programming**.

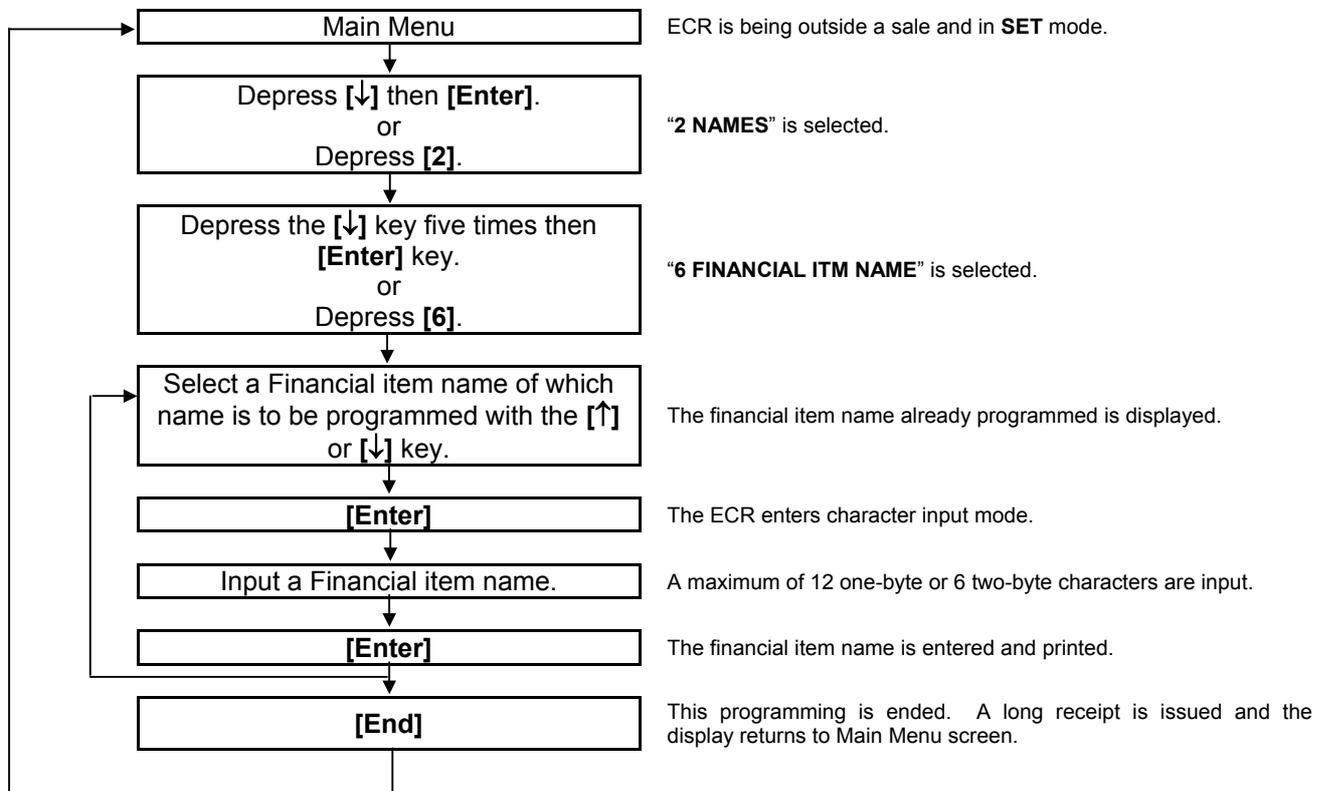
CONDITION After Financial Reset

OPERATION Mode Lock: **SET**

1) Menu Tree



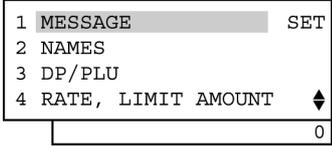
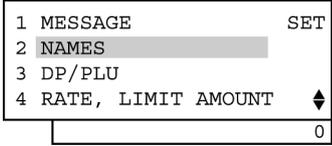
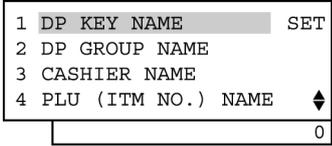
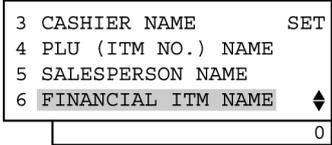
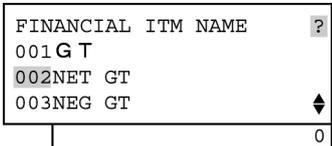
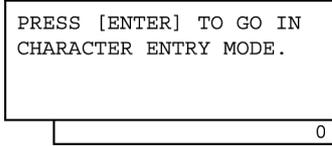
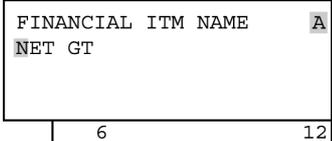
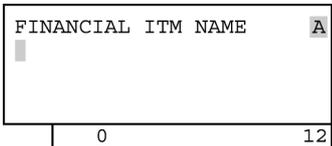
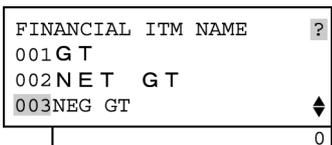
2) Operation Flowchart



NOTES:

- As for most items, a maximum of 12 regular-sized or 6 double-sized characters may be programmed for one item name.
- As shown in the table on the following pages, the standard program data are pre-programmed (which is auto-set after a RAM Clear). Therefore, program only the items that need to be changed.

- 3) Example
 To program "NET GT" instead of "NET GT" for Item Code 2 (NET GT) all in double-sized characters.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key.		The cursor is moved on to "2 NAMES".
Depress the [2] or [Enter] key.		"2 NAMES" is selected.
Depress the [↓] key five times.		The cursor is moved on to "6 FINANCIAL ITM NAME".
Depress the [6] or [Enter] key.		"6 FINANCIAL ITM NAME" is selected.
Depress the [↓] key, then depress the [Enter] key. (Item code 2 ("NET GT") is selected.)		While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display. 
The [C] key depression clears the financial item name already programmed.		The financial item name already programmed is displayed.
Input a desired name.		Numbers of programmed characters and of programmable characters are displayed on the 7-segment numeric display. Example of key operation) [DbI] [N] [E] [T] [→] [G] [T] [Enter]
The [Enter] key depression results in that the input name is entered and displayed.		When the [Enter] key is depressed, the programmed data is printed.

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Operation	LCD Display	Remarks
The [End] key depression allows the ECR to end this programming.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

FINANCIAL
#002 NET GT

0011 13:27TM
    
```

Financial Report Item Name Table

Item Code	Item Name	Standard Program									
		G	T								
1	Ground Total	G	T								
2	NET GT	N	E	T		G	T				
3	NEG GT	N	E	G		G	T				
4	Gross Sale	G	S								
5	Tax 1 (Add-on Tax 1)	T	A	X	1						
6	Tax 2 (Add-on Tax 2)	T	A	X	2						
7	Tax 3 (Add-on Tax 3)	T	A	X	3						
8	Tax 4 (Add-on Tax 4)	T	A	X	4						
9	Tax 5 (Add-on Tax 5)	T	A	X	5						
10	Tax 6 (Add-on Tax 6)	T	A	X	6						
11	Tax 7 (Add-on Tax 7)	T	A	X	7						
12	Tax 8 (Add-on Tax 8)	T	A	X	8						
13	Tax Total	T	A	X		T	L				
14	Net Sale with Tax	N	S								
15	% I (usually %+)	%	+								
16	% II (usually %-)	%	-								
17	Vendor Coupon	V	.	C	P	N					
18	Amount Discount	D	I	S	C						
19	Negative Depts. Total	-	D	P		T	L				
20	Special Round Fractions	S	P	.	R	N	D				
21	Net Sale (All-Media Sales)	N	S								
22	Cash Sales (AT/TL)	C	A	S	H						
23	Media 1 Sales (CHK)	C	H	E	C	K					
24	Media 2 Sales (CRT)	C	R	T							
25	Media 3 Sales (MISC)	M	I	S	C						

Financial Report Item Name Table (continued)

Item Code	Item Name	Standard Program												
		C	P	N										
26	Media 4 Sales (CPN)	C	P	N										
27	Media 5 Sales (Credit 1)	C	R	T		T	L	1						
28	Media 6 Sales (Credit 2)	C	R	T		T	L	2						
28	Media 7 Sales (Credit 3)	C	R	T		T	L	3						
30	Media 8 Sales (Credit 4)	C	R	T		T	L	4						
31	Media 9 Sales (Credit 5)	C	R	T		T	L	5						
32	Received-on-Account	R	/	A										
33	Paid-Out	P	O											
34	Cash-in-drawer	C	A	S	H		I	D						
35	Cash-in-drawer (Foreign Currency 1)	C	A	S	H		C	U	R	1		I	D	
36	Cash-in-drawer (Foreign Currency 2)	C	A	S	H		C	U	R	2		I	D	
37	Cash-in-drawer (Foreign Currency 3)	C	A	S	H		C	U	R	3		I	D	
38	Cash-in-drawer (Foreign Currency 4)	C	A	S	H		C	U	R	4		I	D	
39	Cash-in-drawer (Foreign Currency 5)	C	A	S	H		C	U	R	5		I	D	
40	Media 1-in-drawer (CHK)	C	H	E	C	K		I	D					
41	Cheque-in-drawer (Foreign Currency 1)	C	K			C	U	R	1		I	D		
42	Cheque-in-drawer (Foreign Currency 2)	C	K			C	U	R	2		I	D		
43	Cheque-in-drawer (Foreign Currency 3)	C	K			C	U	R	3		I	D		
44	Cheque-in-drawer (Foreign Currency 4)	C	K			C	U	R	4		I	D		
45	Cheque-in-drawer (Foreign Currency 5)	C	K			C	U	R	5		I	D		
46	Media 2-in-drawer (CRT)	C	R	T		I	D							
47	Credit-in-drawer (Foreign Currency 1)	C	R	T		C	U	R	1		I	D		
48	Credit-in-drawer (Foreign Currency 2)	C	R	T		C	U	R	2		I	D		
49	Credit-in-drawer (Foreign Currency 3)	C	R	T		C	U	R	3		I	D		
50	Credit-in-drawer (Foreign Currency 4)	C	R	T		C	U	R	4		I	D		
51	Credit-in-drawer (Foreign Currency 5)	C	R	T		C	U	R	5		I	D		
52	Media 3-in-drawer (MISC)	M	I	S	C		I	D						
53	MISC-in-drawer (Foreign Currency 1)	M	I	S	C		C	U	R	1		I	D	
54	MISC-in-drawer (Foreign Currency 2)	M	I	S	C		C	U	R	2		I	D	
55	MISC-in-drawer (Foreign Currency 3)	M	I	S	C		C	U	R	3		I	D	
56	MISC-in-drawer (Foreign Currency 4)	M	I	S	C		C	U	R	4		I	D	
57	MISC-in-drawer (Foreign Currency 5)	M	I	S	C		C	U	R	5		I	D	
58	Media 4-in-drawer (CPN)	C	P	N		I	D							
59	Coupon-in-drawer (Foreign Currency 1)	C	P	N		C	U	R	1		I	D		
60	Coupon-in-drawer (Foreign Currency 2)	C	P	N		C	U	R	2		I	D		
61	Coupon-in-drawer (Foreign Currency 3)	C	P	N		C	U	R	3		I	D		
62	Coupon-in-drawer (Foreign Currency 4)	C	P	N		C	U	R	4		I	D		
63	Coupon-in-drawer (Foreign Currency 5)	C	P	N		C	U	R	5		I	D		
64	Media 5-in-drawer (Credit 1)	C	R	T		I	D	1						
65	Media 6-in-drawer (Credit 2)	C	R	T		I	D	2						
66	Media 7-in-drawer (Credit 3)	C	R	T		I	D	3						
67	Media 8-in-drawer (Credit 4)	C	R	T		I	D	4						
68	Media 9-in-drawer (Credit 5)	C	R	T		I	D	5						
69	Cash-in-drawer Difference	C	A	S	H		D	I	F					
70	Media 1-in-drawer Difference	C	K			D	I	F						

Financial Report Item Name Table (continued)

Item Code	Item Name	Standard Program												
71	Media 2-in-drawer Difference	C	R	T		D	I	F						
72	Media 3-in-drawer Difference	M	I	S	C		D	I	F					
73	Media 4-in-drawer Difference	C	P	N		D	I	F						
74	Media 5-in-drawer Difference	C	R	T	1		D	I	F					
75	Media 6-in-drawer Difference	C	R	T	2		D	I	F					
76	Media 7-in-drawer Difference	C	R	T	3		D	I	F					
77	Media 8-in-drawer Difference	C	R	T	4		D	I	F					
78	Media 9-in-drawer Difference	C	R	T	5		D	I	F					
79	Item Correct	C	O	R	R									
80	Void	V	O	I	D									
81	Misc. Void	M	I	S	C		V	D						
82	All Void	A	L	L		V	D							
83	Store Coupon	S	.	C	P	N								
84	Returned Merchandise	R	T	N										
85	Negative Mode Total	R	E	G	-									
86	%- on Line Items	%	-											
87	Amount Discount on Line Items	D	I	S	C									
88	Transfer Balance GT	T	R	F		T	L							
89	Transfer + GT	T	R	F	+		G	T						
90	Transfer – GT	T	R	F	-		G	T						
91	Transfer + Daily	T	R	F	+									
92	Transfer – Daily	T	R	F	-									
93	PB (Previous Balance) Sales	P	B		T	L								
94	PB R/A (PB Paid)	P	B		R	/	A							
95	PB PO (PB Refunded)	P	B		P	O								
96	Taxable Total 1	T	X	B	L	1								
97	VAT 1 or Tax 1	V	A	T	1									
98	Taxable Total 2	T	X	B	L	2								
99	VAT 2 or Tax 2	V	A	T	2									
100	Taxable Total 3	T	X	B	L	3								
101	VAT 3 or Tax 3	V	A	T	3									
102	Taxable Total 4	T	X	B	L	4								
103	VAT 4 or Tax 4	V	A	T	4									
104	Taxable Total 5	T	X	B	L	5								
105	VAT 5 or Tax 5	V	A	T	5									
106	Taxable Total 6	T	X	B	L	6								
107	VAT 6 or Tax 6	V	A	T	6									
108	Taxable Total 7	T	X	B	L	7								
109	VAT 7 or Tax 7	V	A	T	7									
110	Taxable Total 8	T	X	B	L	8								
111	VAT 8 or Tax 8	V	A	T	8									
112	VAT Total	V	A	T		T	L							
113	Net Sale Without Tax	N	.			N	S							
114	Tax-exempt Customer	V	A	T		E	X							
115	VAT 1 or Tax 1 Exempt	V	A	T	1	E	X							

Financial Report Item Name Table (continued)

Item Code	Item Name	Standard Program										
		V	A	T	2	E	X					
116	VAT 2 or Tax 2 Exempt	V	A	T	2	E	X					
117	VAT 3 or Tax 3 Exempt	V	A	T	3	E	X					
118	VAT 4 or Tax 4 Exempt	V	A	T	4	E	X					
119	VAT 5 or Tax 5 Exempt	V	A	T	5	E	X					
120	VAT 6 or Tax 6 Exempt	V	A	T	6	E	X					
121	VAT 7 or Tax 7 Exempt	V	A	T	7	E	X					
122	VAT 8 or Tax 8 Exempt	V	A	T	8	E	X					
123	Sales Item Count per Customer	I	T	E	M	/	C	U	S			
124	Sales Amount per Customer	T	L			/	C	U	S			
125	No-Sale Counter	N	O		S	A	L	E				
126	[C] key Counter	C	L	E	A	R						
127	Consignment Counter	C	O	N	S	I	G	N		C	T	R
128	Validation Counter	V	A	L	I		C	T	R			
129	Money Declaration Counter	M	.	D	C	R						
130	-- vacant --											

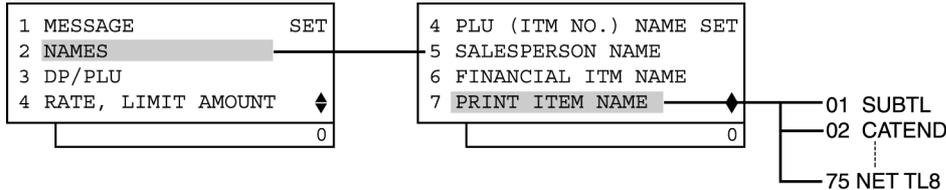
6.15 Print Line Item Name Programming

Print Line Item Names not listed in **Section 6.14 Financial Report Item Name Programming** can be programmed here.

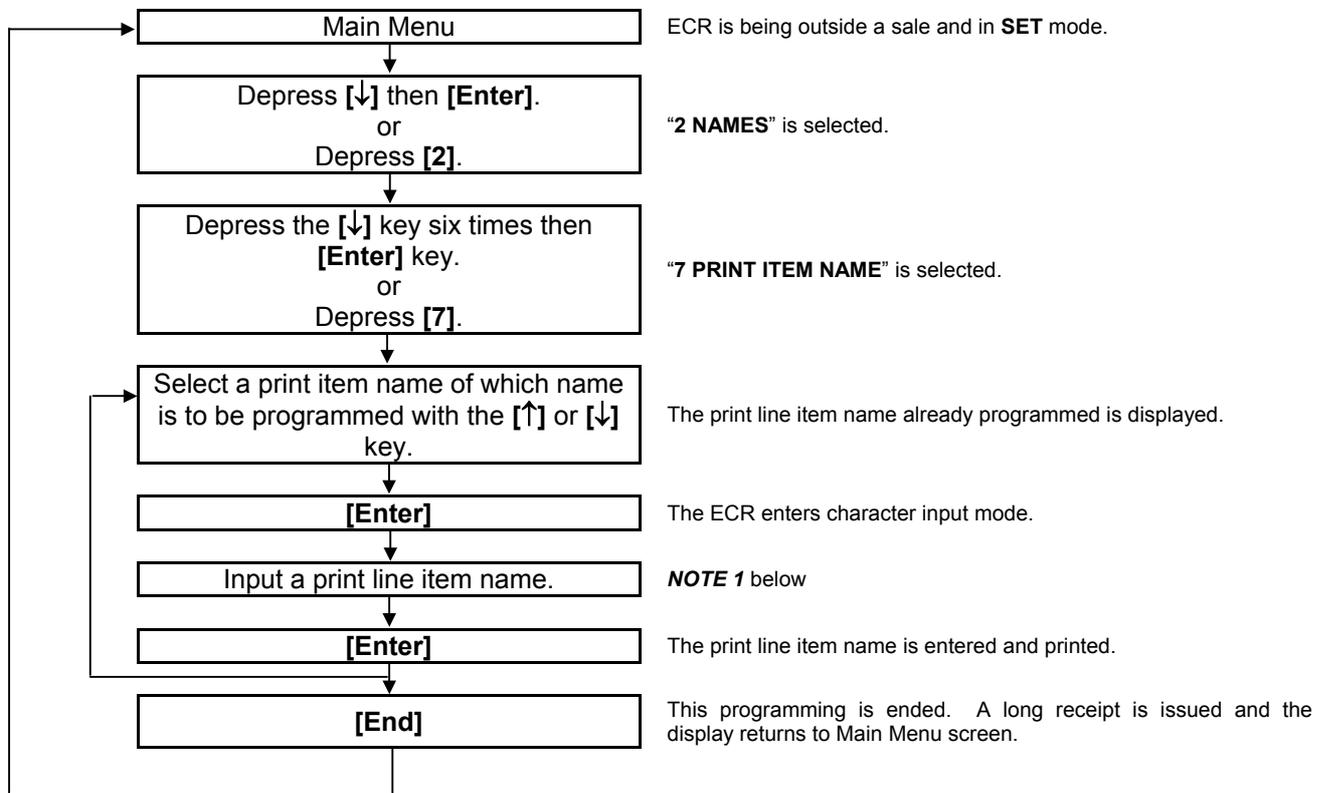
CONDITION Anytime outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTES:

1. The maximum number of characters programmable for each item are shown in the table on the following pages. Please note that some items require their name entries as one set. The maximum number of characters in the table shows the capacity in one-byte characters. A two-byte character occupies two one-byte characters' space. (Also refer to CHARACTER ENTRIES at the beginning of this chapter.)
2. As shown in the table on the following pages, the standard program data are preprogrammed which is auto-set after a RAM Clear). Therefore, program only the items that need to be changed.

3) Example

To program the amount mark “€” in Item Code 7: (The amount mark has not been preset as the standard program data).

Meanwhile, the names of the other items in the Item Code 7 should remain unchanged as the standard program data (i.e. “@” for Unit Price Symbol and “ITEM” for Sale Item Count Symbol).

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to “ 2 NAMES ”.
Depress the [2] or [Enter] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	“ 2 NAMES ” is selected.
Depress the [↓] key six times.	<pre> 1 DP KEY NAME SET 2 DP GROUP NAME 3 CASHIER NAME 4 PLU (ITM NO.) NAME 0 </pre>	The cursor is moved on to “ 7 PRINT ITEM NAME ”.
Depress the [7] or [Enter] key.	<pre> 4 PLU (ITM NO.) NAME SET 5 SALESPERSON NAME 6 FINANCIAL ITM NAME 7 PRINT ITEM NAME 0 </pre>	“ 7 PRINT ITEM NAME ” is selected.
Depress the [↓] key six times, then depress the [Enter] key. (Item code 7 (“@ ITEM”) is selected.)	<pre> PRINT ITEM NAME ? 001SUBTL 002CATEND 003TOTAL 0 PRINT ITEM NAME ? 005CASH 006-TOTAL 007@ ITEM 0 </pre>	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.
The [C] key depression clears the print line item name already programmed.	<pre> PRINT ITEM NAME A @ ITEM 6 12 </pre>	The print line item name already programmed is displayed.
Input a desired name.	<pre> PRINT ITEM NAME A 0 12 </pre>	Numbers of programmed characters and of programmable characters are displayed on the 7-segment numeric display. Example of key operation) 400[#] 900[#] [!] [T] [E] [M] [->] [Enter]
The [Enter] key depression results in that the input name is entered and displayed.	<pre> PRINT ITEM NAME ? 06-TOTAL 07@€ITEM 08 #CLTM 0 </pre>	When the [Enter] key is depressed, the programmed data is printed.

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Operation	LCD Display	Remarks
The [End] key depression allows the ECR to end this programming.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

PRINT NAME
#007 @eITEM

0012 13:29TM
    
```

Print Line Item Name Table

Max. Number of Characters

Item Code	Item Name or Application	Standard Program												▼	
1	Subtotal in transactions	S	U	B	T	L									8
2	Cash Tendered in transactions	C	A	T	E	N	D								8
3	Sale Total of each transaction	T	O	T	A	L									8
4	Change due in transactions	C	H	A	N	G	E								8
5	Cash Refunded	C	A	S	H										8
6	Negative Department Total	-	T	O	T	A	L								8
7	The following items must be set together. (NOTE 1)	@		I	T	E	M								7
	Unit Price Symbol														1
	Amount Mark (€, \$,etc.)														1
	Sale Item Count Symbol on Receipt														4
8	Unit Price Symbol on Quantity Extension														1
	The following items must be set together. (NOTE 2)		#	C	L	T	M								6
	Register No. Symbol														2
	Cashier/Clerk Symbol														2
9	Time Symbol														2
	Customer Count (on reports)	C	U												2
	-- vacant --														---
11	Previous Balance (Credit) (NOTE 5)	P	B	+											8
12	Previous Balance (Debit) (NOTE 5)	P	B	-											8
13	Transferred Amount in Charge Posting	N	E	W	B	A	L								8
14	Item Correct	C	O	R	R	↑									8
15	The following items must be set together.		O	N		O	F	F							8
	ON portion of Training ON/OFF														4
	OFF portion of Training ON/OFF														4

Print Line Item Name Table (continued)

Max. Number of Characters

Item Code	Item Name or Application	Standard Program												Max. Number of Characters	
		A	B	C	D	E	F	G	H						
16	VAT symbol (VAT 1 to VAT8)														8
	VAT 1 symbol _____														1
	VAT 2 symbol _____														1
	VAT 3 symbol _____														1
	VAT 4 symbol _____														1
	VAT 5 symbol _____														1
	VAT 6 symbol _____														1
	VAT 7 symbol _____														1
VAT 8 symbol _____														1	
17	-- vacant --														---
18	-- vacant --														---
19	Post-issue Receipt Header	C	O	P	Y										10
20	PLU Symbol (when no name is programmed for the PLU)	P	L	U											3
21	Taxable Total	T	X	B	L		T	L							8
22	-- vacant --														---
23	-- vacant --														---
24	-- vacant --														---
25	-- vacant --														---
26	-- vacant --														---
27	-- vacant --														---
28	Sunday, Monday (as part of the date print line)		S	U	N		M	O	N						8
	Sunday _____														4
	Monday _____														4
29	Tuesday, Wednesday (as part of the date print line)		T	U	E		W	E	D						8
	Tuesday _____														4
	Wednesday _____														4
30	Thursday, Friday (as part of the date print line)		T	H	U		F	R	I						8
	Thursday _____														4
	Friday _____														4
31	Saturday (as part of the date print line)		S	A	T										4
32	Training ON/OFF operation, Cashier Report	T	R	A	I	N	I	N	G						10
33	Cashier Sign ON	S	I	G	N		O	N							10
34	Cashier Sign OFF	S	I	G	N		O	F	F						10
35	-- vacant --														---
36	-- vacant --														---
37	-- vacant --														---
38	% calculation on Additional Item Entries after Subtotal and % entries	G	R	P	.	S	T								8
39	-- vacant --														---
40	Receipt Buffer	R	E	C	E	I	P	T		B	U	F			12
41	-- vacant --														---
42	-- vacant --														---
43	-- vacant --														---
44	-- vacant --														---
45	-- vacant --														---
46	-- vacant --														---
47	-- vacant --														---
48	-- vacant --														---
49	-- vacant --														---
50	Foreign Currency 1 (for Sales Entry, Programming, Program Data Read)	C	U	R	1										12

Print Line Item Name Table (continued)

Max. Number of Characters

Item Code	Item Name or Application	Standard Program										▼									
51	Foreign Currency 2 (for Sales Entry, Programming, Program Data Read)	C	U	R	2																12
52	Foreign Currency 3 (for Sales Entry, Programming, Program Data Read)	C	U	R	3																12
53	Foreign Currency 4 (for Sales Entry, Programming, Program Data Read)	C	U	R	4																12
54	Foreign Currency 5 (for Sales Entry, Programming, Program Data Read)	C	U	R	5																12
55	-- vacant --																				---
60	-- vacant --																				---
61	-- vacant --																				---
62	-- vacant --																				---
63	-- vacant --																				---
64	-- vacant --																				---
65	NET Total	N	E	T		T	L														12
66	VAT/TAX	V	A	T																	8
67	Consignment	C	O	N	S	I	G	N	M	E	N	T									12
68	NET TL1	N	E	T		T	L	1													12
69	NET TL2	N	E	T		T	L	2													12
70	NET TL3	N	E	T		T	L	3													12
71	NET TL4	N	E	T		T	L	4													12
72	NET TL5	N	E	T		T	L	5													12
73	NET TL6	N	E	T		T	L	6													12
74	NET TL7	N	E	T		T	L	7													12
75	NET TL8	N	E	T		T	L	8													12
76	-- vacant --																				---
77	-- vacant --																				---
78	-- vacant --																				---
79	-- vacant --																				---
80	-- vacant --																				---
81	-- vacant --																				---
82	-- vacant --																				---
83	-- vacant --																				---
84	-- vacant --																				---
85	-- vacant --																				---
86	-- vacant --																				---
87	-- vacant --																				---
88	-- vacant --																				---
89	-- vacant --																				---
90	-- vacant --																				---
91	-- vacant --																				---
92	-- vacant --																				---
93	-- vacant --																				---
94	-- vacant --																				---
95	-- vacant --																				---
96	-- vacant --																				---
97	-- vacant --																				---
98	-- vacant --																				---
99	-- vacant --																				---
100	-- vacant --																				---

NOTES:

1. The standard program data for the Amount Mark in Item Code 7 is set with a blank after a RAM Clear. When the specific Amount Mark for the domestic currency is required on sales receipts (such as £, ¥, \$), you must program the entire contents of Item Code 7.
2. The Cashier Symbol to be set in Item Code 8 ("CL" in Standard Program) will be used to print the 2-digit Cashier ID code on a validation slip. On receipts, the name of each cashier programmed in the **CASHIER NAME AND STATUS PROGRAMMING** operation will be printed.
3. If no programming is performed for an item, the name in the Standard Program column will automatically be active. Therefore, program only the items that require changes from the standard program data.
4. The following are other auto-preset data table and other fixed data table for printing various symbols, items, or descriptors.

Other Auto-Preset Data (programmable)

The following data are automatically preset in the program memory. However, when the corresponding items' names are programmed in the corresponding setting, the programmed name will be active instead of the preset data.

Item	Preset Data	Remarks
Department Group	GP	GP01 to GP15
Department	DP	DP01 to DP99
Cashier Symbol	CL	1CL to 8CL
Salesperson Symbol	SP	SP01 to SP99

Other Fixed Data (unchangeable)

Item	Fixed Data	Remarks
RAM Clear	RAM-C	
Data Clear	DATA-C	
Status Clear	STATUS-C	
Program Mode Symbol	P	
System Option Address	#	
Percent Rate Symbol	%	
Non-add Number Symbol	#	
Taxable Status Mark	T	
Negative Amount Mark	-	
Quantity Extension Mark	X	

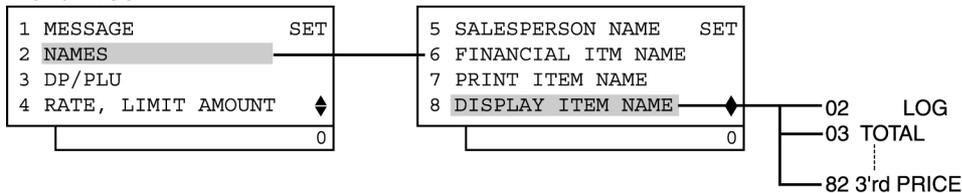
6.16 Display Item Name Programming

Display Item Name to be displayed on the LCD display can be programmed here. (Max. 16 characters)

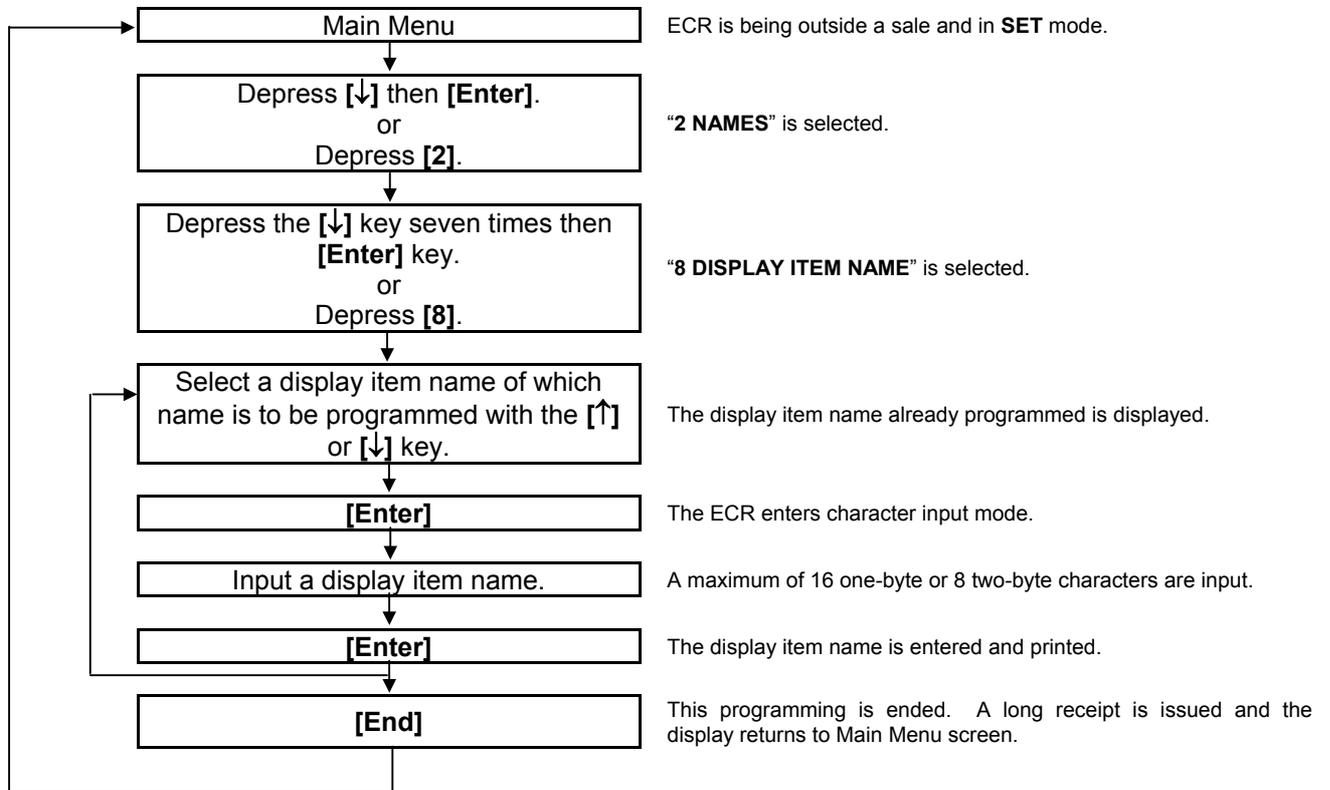
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart

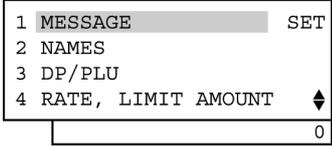
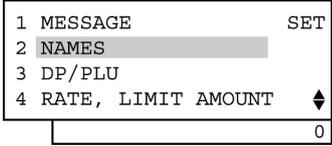
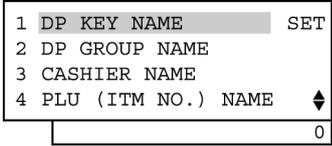
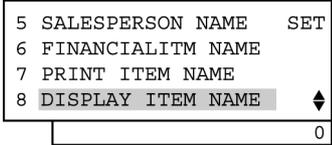
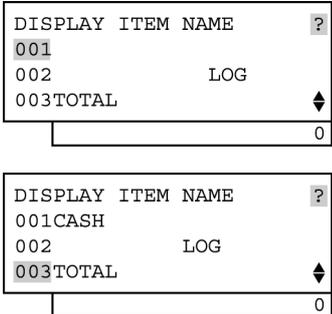
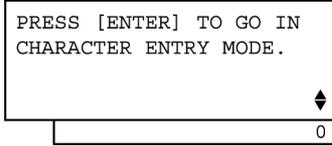
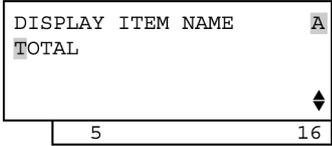
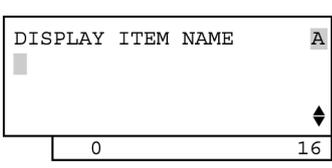
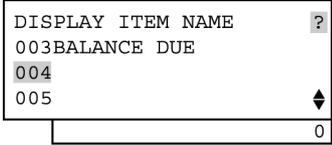


NOTES:

1. A maximum of 16 characters can be programmed as the name or message for each Item Code.
2. As shown in the table on the following page, the standard program data is pre-programmed for each Item Code. (which is auto-set after a RAM Clear). Therefore, program only the name or message that needs to be changed.

3) Example

To program "BALANCE DUE" instead of standard program data "TOTAL" for Item Code 3.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key.		The cursor is moved on to "2 NAMES".
Depress the [2] or [Enter] key.		"2 NAMES" is selected.
Depress the [↓] key seven times.		The cursor is moved on to "8 DISPLAY ITEM NAME".
Depress the [8] or [Enter] key.		"8 DISPLAY ITEM NAME" is selected.
Depress the [↓] key twice, then depress the [Enter] key. (Item code 3 ("TOTAL") is selected.)		While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display. 
The [C] key depression clears the display item name already programmed.		The display item name already programmed is displayed.
Input a desired name.		Numbers of programmed characters and of programmable characters are displayed on the 7-segment numeric display. Example of key operation) [B] [A] [L] [A] [N] [C] [E] [→] [D] [U] [E] [Enter]
The [Enter] key depression results in that the input name is entered and displayed.		When the [Enter] key is depressed, the programmed data is printed.

(continued on the next page)

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Operation	LCD Display	Remarks
<p>The [End] key depression allows the ECR to end this programming.</p>	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	<p>A long receipt is issued and the display returns to Main Menu screen.</p>

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

DISPLAY NAME
#003 BALANCE DUE

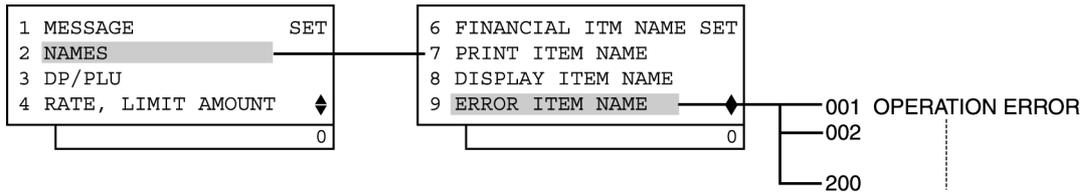
0013 13:31TM
                    
```

6.17 Error Item Name Programming

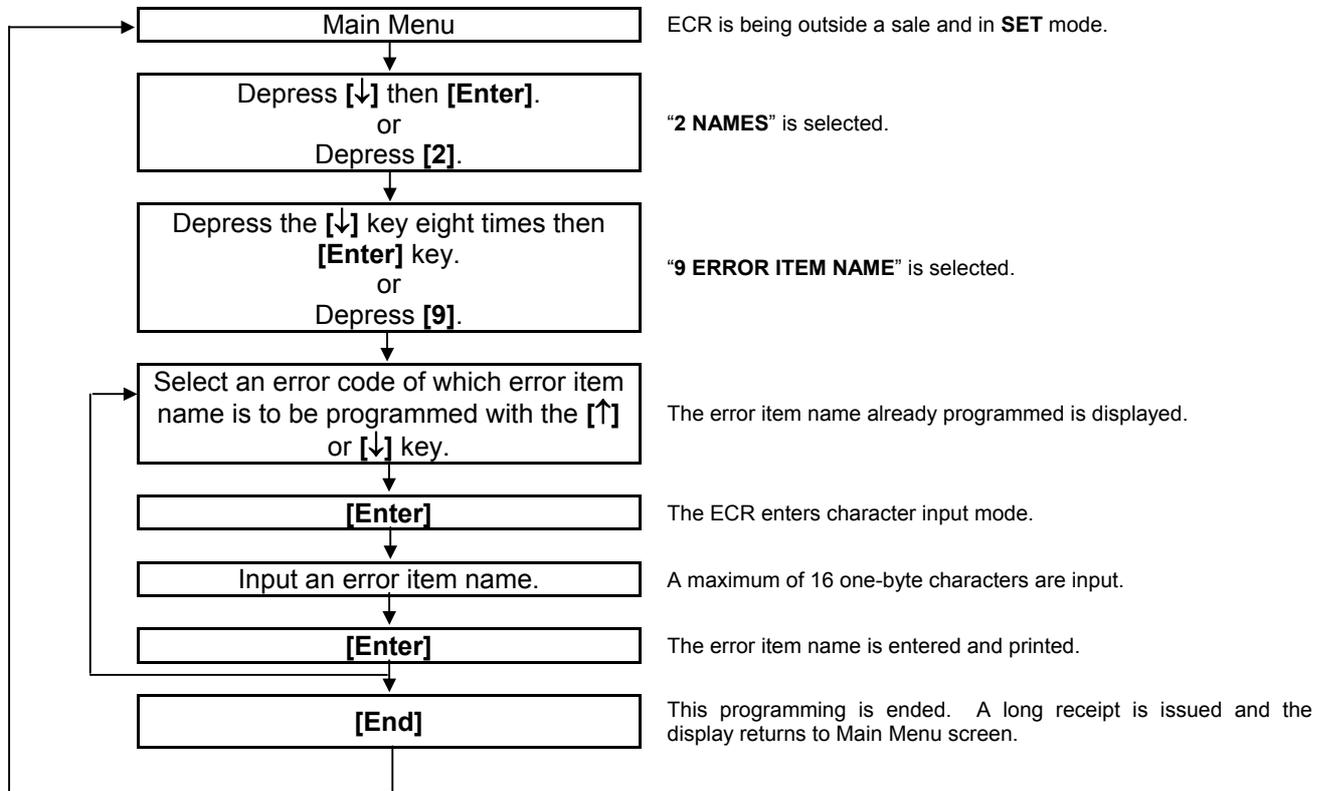
Error item names to be displayed on the LCD display are programmed here. A maximum of 16 one-byte characters by 2 lines can be programmed.

- CONDITION** Any time outside a sale
- OPERATION** Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart

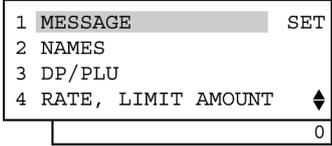
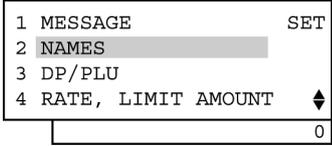
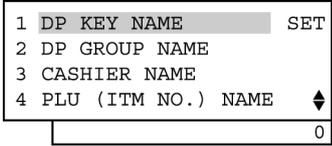
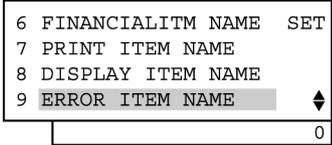
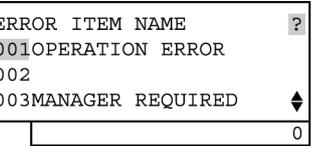
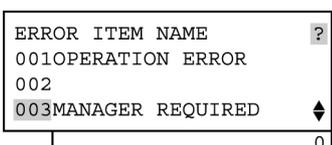
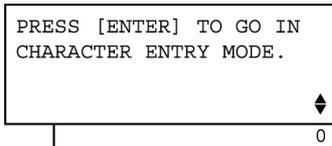
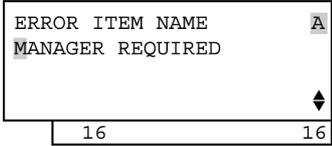
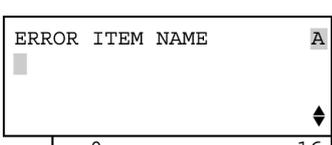
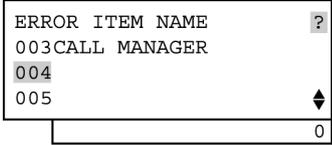


NOTES:

1. A maximum of 16 one-byte characters can be programmed as the error item name for each error code. Enter all the characters in regular size.
2. As shown in the table on the following pages, the standard program data are preprogrammed (which is auto-set after a RAM Clear). Therefore, program only the error item names that need to be changed.

3) Example

To program "CALL MANAGER" instead of standard program data "MANAGER REQUIRED" for Error Code 3.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key.		The cursor is moved on to "2 NAMES".
Depress the [2] or [Enter] key.		"2 NAMES" is selected.
Depress the [↓] key eight times.		The cursor is moved on to "9 ERROR ITEM NAME".
Depress the [9] or [Enter] key.		"9 ERROR ITEM NAME" is selected.
Depress the [↓] key twice, then depress the [Enter] key. (Error Code 3 ("MANAGER REQUIRED") is selected.)	 	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display. 
The [C] key depression clears the error item name already programmed.		The error item name already programmed is displayed.
Input a desired name.		Numbers of programmed characters and of programmable characters are displayed on the 7-segment numeric display. Example of key operation) [C] [A] [L] [L] [→] [M] [A] [N] [A] [G] [E] [R] [Enter]
The [Enter] key depression results in that the input name is entered and displayed.		When the [Enter] key is depressed, the programmed data is printed.

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Operation	LCD Display	Remarks
The [End] key depression allows the ECR to end this programming.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

ERROR MSG
003 CALL MANAGER

0014 13:33TM
    
```

Error Code and Error Item Name Table

Error Code	Content or Cause of Error	Standard Program
1	Operation or Key Sequence Error	O P E R A T I O N E R R O R
2		
3	Manager Intervention Required	M A N A G E R R E Q U I R E D
4		
5	-- vacant --	
6		
7	Drawer-Close Compulsory Error	C L O S E D R A W E R
8		
9	Code Entry Compulsory Error	C O M P U L S O R Y C O D E
10		
11	-- vacant --	
12		
13	-- vacant --	
14		
15	-- vacant --	
16		
17	Other Miscellaneous Errors	M I S C E R R O R
18		
19	File Receive Error (with PC feature)	P C C O M M E R R O R
20		
21	Undefined Code or Code Duplicated Error	C O D E E R R O R
22		
23	Programming Error	P R O G R A M E R R O R
24		
25	-- vacant --	
26		
27	-- vacant --	
28		
29	-- vacant --	
30		

Error Code and Error Item Name Table (continued)

Error Code	Content or Cause of Error	Standard Program															
		S	L	I	P	P	A	P	E	R	O	U	T				
81	Slip Printer Paper Out	S	L	I	P	P	A	P	E	R	O	U	T				
82																	
83	-- vacant --																
84																	
85	-- vacant --																
86																	
87	-- vacant --																
88																	
89	-- vacant --																
90																	
91	-- vacant --																
92																	
93	[ST] Key Entry Compulsory error	S	T		C	O	M	P									
94																	
95	-- vacant --																
96																	
97	-- vacant --																
98																	
99	-- vacant --																
100																	
101	-- vacant --																
102																	
103	Salesperson Entry Compulsory Error	S	A	L	E	S	P	E	R	S	O	N	C	O	M	P	
104																	
105	Salesperson Sign-ON Prohibit Error	S	A	L	E	S	-	P		P	R	O	H	I	B	I	T
106	during a sale																
107	Total Only Error	T	O	T	A	L		O	N	L	Y						
108																	
109	Tender Only Error	T	E	N	D	E	R		O	N	L	Y					
110																	
111	Short Tendering Prohibition Error	S	H		T	E	N	D		P	R	O	H	I	B	I	T
112																	
113	Over Tendering Prohibition Error	O	V		T	E	N	D		P	R	O	H	I	B	I	T
114																	
115	No-Sale Exchange Prohibition Error	C	A	S	H	I	N	G		P	R	O	H	I	B	I	T
116																	
117	Finalization of the R/A entry is	F	I	N		R	/	A		P	R	O	H	I	B	I	T
118	prohibited.																
119	-- vacant --																
120																	
121	Negative Balance Error	N	E	G	A	T	I	V	E		N	U	M	B	E	R	
122																	
123	-- vacant --																
124																	
125	-- vacant --																
126																	
127	MDR Compulsory Error	M	D	R		C	O	M	P								
128																	
129	Condition Error	C	O	N	D	I	T	I	O	N		E	R	R	O	R	
130																	
131	-- vacant --																
132																	

Error Code and Error Item Name Table (continued)

Error Code	Content or Cause of Error	Standard Program															
133	-- vacant --																
134																	
135	-- vacant --																
136																	
137	-- vacant --																
138																	
139	-- vacant --																
140																	
141	Price Input Prohibition Error	P	R	I	C	E		I	N	P	U	T					
142		P	R	O	H	I	B	I	T		E	R	R	O	R		
143		N	O		P	R	I	C	E		I	N	P	U	T		
144	No price is input.																
145	Key Mode Change Error	M	O	D	E	-	C	H		P	R	O	H	I	B	I	T
146																	
147	-- vacant --																
148																	
149	-- vacant --																
150																	
151 to 200	-- vacant --																

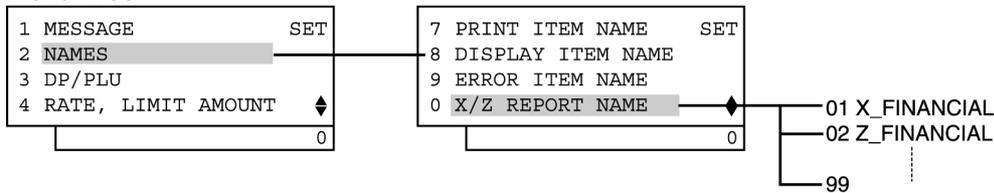
6.18 Read/Reset Report Name Programming

Read/Reset Report Names are programmed here. A maximum of 12 one-byte characters can be programmed.

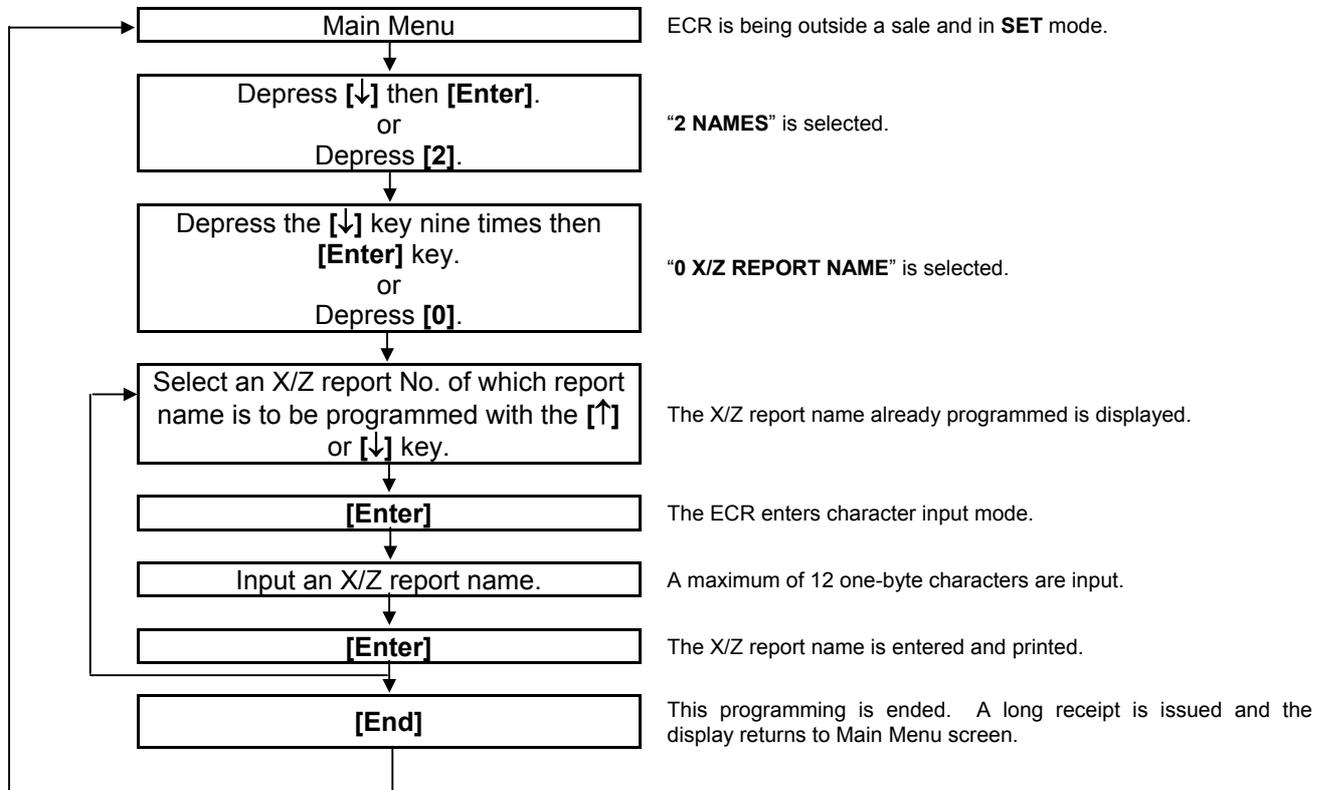
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart

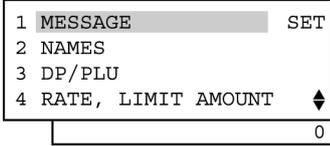
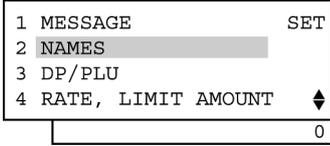
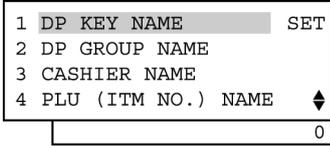
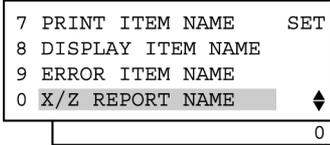
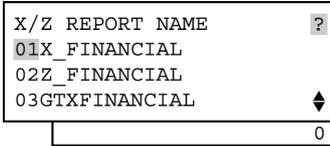
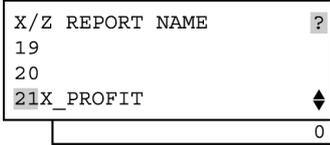
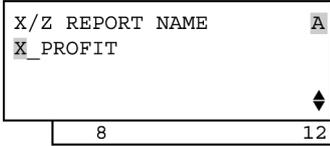
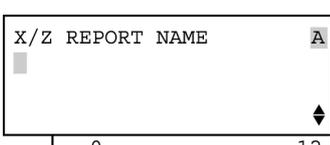
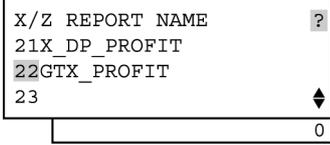


NOTES:

1. Enter all characters in regular size. In actually printing on reports, they will be printed in all double-sized characters.
2. As shown in the table on the following pages, the standard program data is preprogrammed (which is auto-set after a RAM Clear). Therefore, program only the report names that need to be changed.

3) Example

To program "X_DP_PROFIT" instead of standard program data "X_PROFIT" for Report No. 21.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key.		The cursor is moved on to "2 NAMES".
Depress the [2] or [Enter] key.		"2 NAMES" is selected.
Depress the [↓] key nine times.		The cursor is moved on to "0 X/Z REPORT NAME".
Depress the [0] or [Enter] key.		"0 X/Z REPORT NAME" is selected.
Depress the [↓] key twenty times, then depress the [Enter] key. (Report No. 21 ("X_PROFIT") is selected.)	 	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.
The [C] key depression clears the report name already programmed.		The report name already programmed is displayed.
Input a desired name.		Numbers of programmed characters and of programmable characters are displayed on the 7-segment numeric display. Example of key operation) [X] 515 [#] [D] [P] 515 [#] [P] [R] [O] [F] [I] [T] [Enter]
The [Enter] key depression results in that the input name is entered and displayed.		When the [Enter] key is depressed, the programmed data is printed.

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Operation	LCD Display	Remarks
The [End] key depression allows the ECR to end this programming.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

REPORT NAME
#21
X_DP_PROFIT

0015 13:35TM
    
```

Read/Reset Report Name Table

X: Daily Read
 Z: Daily Reset
 GTX: GT Read
 GTZ: GT Reset

Report No.	Report	Type	Standard Program											
1	Financial	X	X	-	F	I	N	A	N	C	I	A	L	
2		Z	Z	-	F	I	N	A	N	C	I	A	L	
3		GTX	G	T	X	F	I	N	A	N	C	I	A	L
4		GTZ	G	T	Z	F	I	N	A	N	C	I	A	L
5	All Cashier	X	X	-	C	L	E	R	K					
6		Z	Z	-	C	L	E	R	K					
7		GTX	G	T	X	-	C	L	E	R	K			
8		GTZ	G	T	Z	-	C	L	E	R	K			
9	Individual Cashier	X	X	-	C	L	E	R	K					
10		Z	Z	-	C	L	E	R	K					
11		GTX	G	T	X	-	C	L	E	R	K			
12		GTZ	G	T	Z	-	C	L	E	R	K			
13	All Salesperson	X	X	-	S	L	S	P	E	R	S	O	N	
14		Z	Z	-	S	L	S	P	E	R	S	O	N	
15	-- vacant --													
16														
17														
18														
19														
20														

Read/Reset Report Name Table (continued)

X: Daily Read
 Z: Daily Reset
 GTX: GT Read
 GTZ: GT Reset

Report No.	Report	Type	Standard Program													
21	Department Gross Profit	X	X	_	P	R	O	F	I	T						
22		GTX	G	T	X	_	P	R	O	F	I	T				
23	-- vacant --															
24																
25																
26	Hourly Range	X	X	_	H	O	U	R	L	Y						
27		Z	Z	_	H	O	U	R	L	Y						
28	All Department	X	X	_	D	P	_	A	L	L						
29		Z	Z	_	D	P	_	A	L	L						
30		GTX	G	T	X	_	D	P	_	A	L	L				
31		GTZ	G	T	Z	_	D	P	_	A	L	L				
32	-- vacant --															
33																
34	All Media Sales and Cash-in Drawer	X	X	_	M	E	D	I	A							
35	All PLU	X	X	_	P	L	U	_	A	L	L					
36		Z	Z	_	P	L	U	_	A	L	L					
37	-- vacant --															
38																
39	Zone PLU	X	X	_	P	L	U	_	Z	O	N	E				
40		Z	Z	_	P	L	U	_	Z	O	N	E				
41	-- vacant --															
42																
43																
44																
45																
46																
47																
48																
49																
50																
51																
52																
53																
54																
55																
56																
57																
58																
59																
60	Money Declaration	X	X	_	M	D	R									
61		Z	Z	_	M	D	R									
62	-- vacant --															
63																
64																
65																
66																

Read/Reset Report Name Table (continued)

X: Daily Read
 Z: Daily Reset
 GTX: GT Read
 GTZ: GT Reset

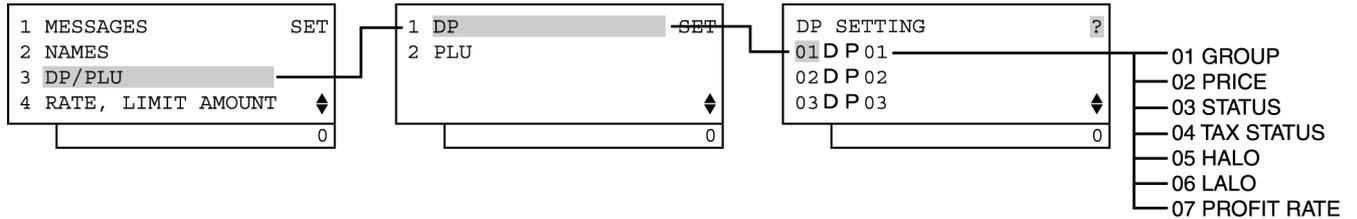
Report No.	Report	Type	Standard Program																				
67	Enforced Clear of Hold Condition		H	O	L	D	_	C	A	N	C	E	L										
68	-- vacant --																						
69																							
70																							
71																							
72																							
73	Financial + All Department	X	X	_	F	I	N	C	A	L	+	D	P										
74		Z	Z	_	F	I	N	C	A	L	+	D	P										
75		GTX	G	T	X	_	F	I	N	C	L	+	D	P									
76		GTZ	G	T	Z	_	F	I	N	C	L	+	D	P									
77	-- vacant --																						
78																							
79																							
80																							
81																							
82																							
83																							
84																							
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98																							
99																							

6.19 Department Table Programming

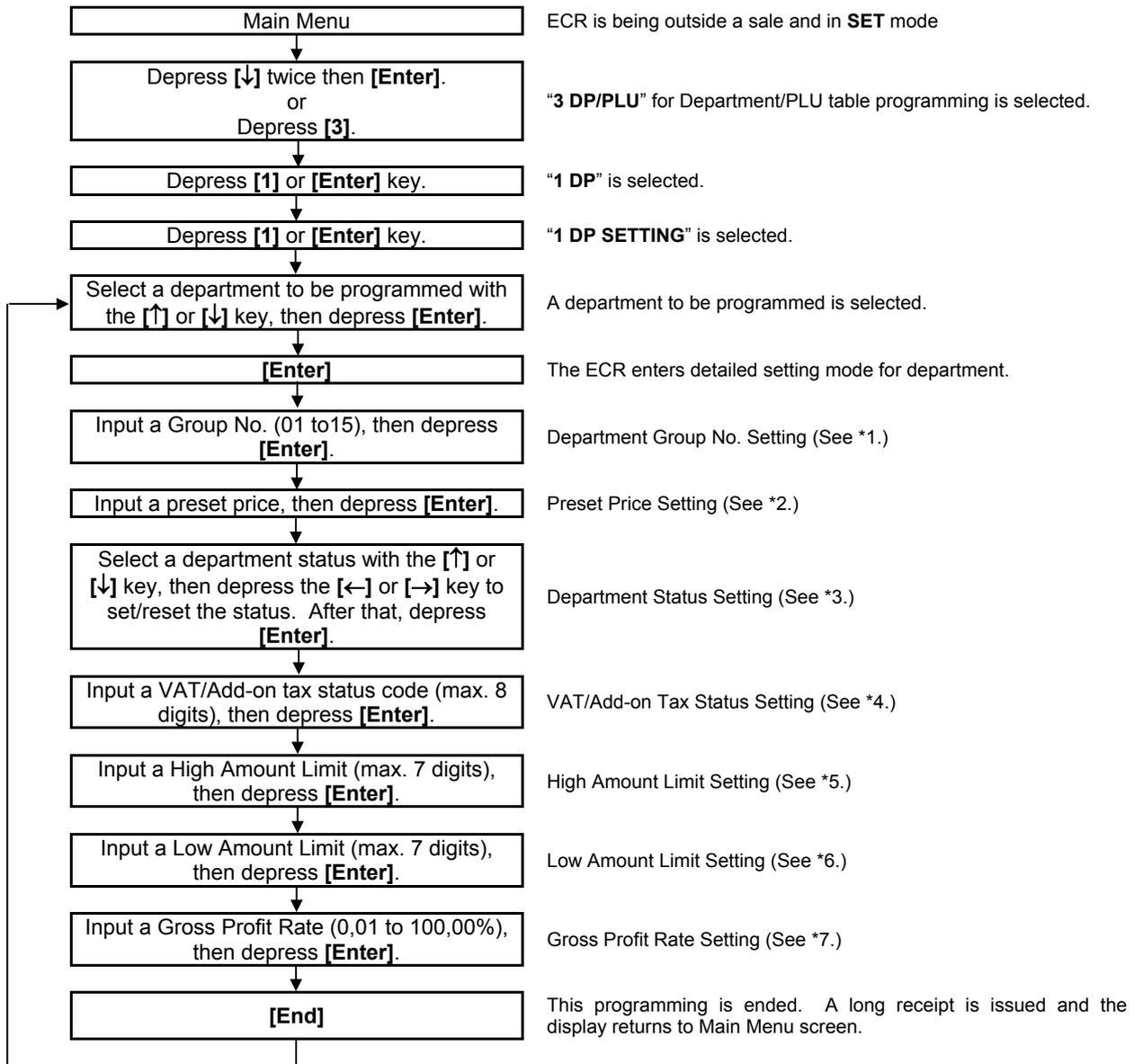
For each department, memory opening, and department various statuses settings are performed here.

- CONDITION** To change the positive/negative status:
After Department and PLU Daily and GT Resets
- To change any other programmed data or to newly program departments:
Any time outside a sale
- OPERATION** Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



*1: Department Group No.

- Input a department group code (2 digits: 01 to 15), then depress the **[Enter]** key.
- To cancel a department group, input **0** then depress the **[Enter]** key.
- All departments can be programmed in a group. Negative departments are added to the group total.

*2: Preset Price

- For a preset department (preset-price department), enter a maximum of 6-digit price, and depress the **[Enter]** key.
1 to 999999 (result: 0,01 to 9999,99)
- A zero-price (0,00) may be preset by entering 0 in the above operation.
- When no numeric value is entered and the **[Enter]** key is simply depressed, the department will be an open department (open-price department).

*3: Department Status

- The status ON or OFF is selected with the **[←]** and **[→]** keys.
- The status change between positive and negative should be performed after performing a department/PLU daily and GT resets.
- The following shows each department status.

Status Code	Item	Selective Status	
		ON (Y)	OFF (N)
1	Single-item or Itemized Receipt	Single-item	Itemized
2	-- vacant --		
3	Positive or Negative Department	Negative	Positive
4	-- vacant --		
5	-- vacant --		
6	-- vacant --		
7	-- vacant --		
8	-- vacant --		

*4: VAT or Add-on Tax Status

Tax type should be selected from either "VAT" or "ADD-ON TAX" by the system option.

- Enter one- to eight-digit status codes for applicable VAT or Add-on Tax.

[Enter]

VAT or Add-on Tax Status Type

0: Non-VAT or Non-taxable

1: VAT 1 or Tax 1

2: VAT 2 or Tax 2

3: VAT 3 or Tax 3

4: VAT 4 or Tax 4

5: VAT 5 or Tax 5

6: VAT 6 or Tax 6

7: VAT 7 or Tax 7

8: VAT 8 or Tax 8

(More than one code can be entered for combining Tax 1 to Tax 8 taxable statuses. For example, enter 12 to select VAT 1 and VAT 2 (or Tax 1 and Tax 2) taxable statuses.)

- A combination of VAT and Add-on tax statuses is not possible.

*5: High Amount Limit

- Enter a maximum of 7 digits to be set as the high amount to be locked out.

Example) To prohibit any amount equal to or larger than 40,00:

4000 [Enter]
 (Allows any amount equal to or smaller than 39,99.)

NOTES:

1. To cancel the preset limit (i.e. to allow any amount), input 0.
2. The limit amount set here will be applied to entries in **REG** mode only, but not in **MGR** or **[-]** mode.
3. Zeros must be entered as all the digits other than the highest digit. If any other value is entered, it will be regarded as a zero.
 Example) Entering 4001 to 4999 will all result in setting 4000.

*6: Low Amount Limit

- Enter a maximum of 7 digits to be set as the low amount limit.

Example) To prohibit any amount smaller than 4,00:

400 [Enter]
 (Prohibits any amount smaller than 4,00.)

NOTES:

1. To cancel the preset limit (i.e. to allow any amount), input 0.
2. The limit amount set here will be applied to entries in **REG** mode only, but not in **MGR** or **[-]** mode.
3. Zeros must be entered as all the digits other than the highest digit. If any other value is entered, it will be regarded as a zero.
 Example) Entering 401 to 499 will all result in setting 400.

*7: Gross Profit Rate

- Enter the gross profit rate of the department in a maximum of 3 integer digits and 2 decimal digits.

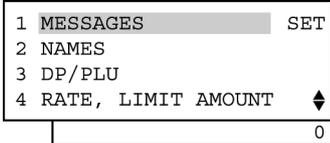
□□□ [Enter] or □□□ [.] □□□ [Enter]
 0 to 100 (%) 0,01 to 99,99 (%)

- The calculated gross profit will be outputted to the DEPARTMENT GROSS PROFIT REPORT.
- The fraction resulted from the profit calculation will be discarded.
- To cancel the gross profit rate once set, input 0 in place of a specific rate before [Enter]. The department whose gross profit rate has thus been cancelled will not be outputted in the GROSS PROFIT REPORT.

3) Example

To program the following Department Data

Department Code: 01
 Department Group No.: 01
 Preset Price: Open
 Department Status: Single-item
 Tax Status: VAT 1 and VAT 2
 HALO: €40,00
 LALO: €4,00
 Gross Profit Rate: 10,00%

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key twice.		The cursor is moved on to "3 DP/PLU".

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Operation	LCD Display	Remarks
Depress the [3] or [Enter] key.	<pre> 1 MESSAGES SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT ⬇ 0 </pre>	"3 DP/PLU" is selected.
Depress the [1] or [Enter] key.	<pre> 1 DP SET 2 PLU 0 </pre>	"1 DP" is selected.
Depress the [1] or [Enter] key.	<pre> 1 DP SETTINGS SET 2 UNIT PRICE 3 DIGIT LIMIT (PRICE) 4 KEY STICKER PRINT ⬇ 0 </pre>	"1 DP SETTINGS" is selected.
Depress the [Enter] key to select Department 01. *1: see NOTE below	<pre> DP SETTING 01 DP 01 02 DP 02 03 DP 03 0 </pre>	The [?] key depression results in that the following guidance message appears on the LCD display. <pre> SELECT A DESIRED DEPARTMENT (SALE ITEM) WITH [↑]/[↓] AND PRESS [ENTER]. 0 </pre>
Input 01 (or 1), then depress the [Enter] key. (Department Group No. 01 is set.)	<pre> DP 01 01 GROUP [00] 02 PRICE [] 03 STATUS [0] ⬇ 0 </pre>	The [?] key depression results in that the following guidance message appears on the LCD display. <pre> ENTER A GROUP NO. FROM 0 TO 15 AND PRESS [ENTER]. 0 </pre>
Depress the [Enter] key. (The open-price is set.)	<pre> DP 01 01 GROUP [01] 02 PRICE [] 03 STATUS [0] ⬇ 0 </pre>	The [?] key depression results in that the following guidance message appears on the LCD display. <pre> ENTER A PRICE AND PRESS [ENTER]. OPEN-PRICE IS SET BY NO PRICE ENTRY. 0 </pre>
The [Enter] key depression allows the ECR to enter Department Status setting menu.	<pre> DP 01 01 GROUP [01] 02 PRICE [] 03 STATUS [0] ⬇ 0 </pre>	The [?] key depression results in that the following guidance message appears on the LCD display. <pre> PRESS [ENTER] TO GO IN STATUS SETTING. 0 </pre>

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Operation	LCD Display	Remarks
Move the cursor on to a desired status setting with the [↓] or [↑] key.	<pre> STATUS SETTING 1 SINGLE-ITEM DP N 2 3 NEGATIVE DP N </pre>	<p>The [?] key depression results in that the following guidance message appears on the LCD display.</p> <pre> REVERSE Y (SELECT) / N (NOT-SELECT) WITH [←] / [→]. PRESS [ENTER] AFTER SETTING ALL ITEMS. </pre>
Depress the [→] key then the [Enter] key. (The status of SINGLE-ITEM DP is selected.)	<pre> STATUS SETTING 1 SINGLE-ITEM DP Y 2 3 NEGATIVE DP N </pre>	<p>The [→] key depression results in that the status is changed from N to Y.</p>
Input 12, then depress the [Enter] key. (VAT/Add-on tax statuses 1 and 2 are set.)	<pre> DP 01 02PRICE [] 03STATUS [1] 04TAX STATUS [] </pre>	<p>The [?] key depression results in that the following guidance message appears on the LCD display.</p> <pre> ENTER A TAX NO. FROM 1 TO 8 TO SET AND PRESS [ENTER]. </pre>
Input 4000, then depress the [Enter] key. (High amount limit €40,00 is set.)	<pre> DP 01 03STATUS [1] 04TAX STATUS [12] 05HALO [0] </pre>	<p>The [?] key depression results in that the following guidance message appears on the LCD display.</p> <pre> ENTER A PRICE FROM 0 TO 9999999 AND PRESS [ENTER]. </pre>
Input 400, then depress the [Enter] key. (Low amount limit €4,00 is set.)	<pre> DP 01 04TAX STATUS [5] 05HALO [40,00] 06LALO [0] </pre>	<p>The [?] key depression results in that the following guidance message appears on the LCD display.</p> <pre> ENTER A PRICE FROM 0 TO 9999999 AND PRESS [ENTER]. </pre>
Input 10, then depress the [Enter] key. (Gross Profit Rate 10% is set.)	<pre> DP 01 05HALO [40,00] 06LALO [4,00] 07PROFIT RATE [0,00] % </pre>	<p>The [?] key depression results in that the following guidance message appears on the LCD display.</p> <pre> ENTER A GROSS PROFIT RATE FROM 0 TO 100 AND PRESS [ENTER]. </pre>

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Operation	LCD Display	Remarks
Depress the [Rtn] key.	<pre> DP 01 05HALO [40,00] 06LALO [4,00] 07PROFIT RATE[0,00] % </pre>	
The display returns to the Department Setting screen. Move the cursor on to another desired department with the [↓] or [↑] key, then depress the [Enter] key.	<pre> DP SETTING 01 DP 01 02 DP 02 03 DP 03 </pre>	
The [End] key depression allows the ECR to end this programming.	<pre> 1 MESSAGES SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

DP
01 DP 01
#01 01
#02
#03 1
#04 12
#05 €40.00
#06 €4.00
#07 10%

0016 13:37TM

```

NOTE:

- (1) *Opening the department memory*
 - After performing a RAM Clear, the department memory on the standard keyboard will be open automatically.
 - On the screen *1, the department can be open by entering a department code and the **[Enter]** key.

- (2) *Closing the department memory*
 - On the screen *1, the department is closed by entering the **[Del]** key, department code, and the **[Enter]** key.

Condition: After Department daily/GT reset, Financial Daily/GT reset, and PLU reset

6.20 Department Preset Price Setting or Changing

The preset price of each department may be set in the DEPARTMENT TABLE PROGRAMMING already described. However, in setting or changing the price only but not other programmed data, the following operation will be more convenient.

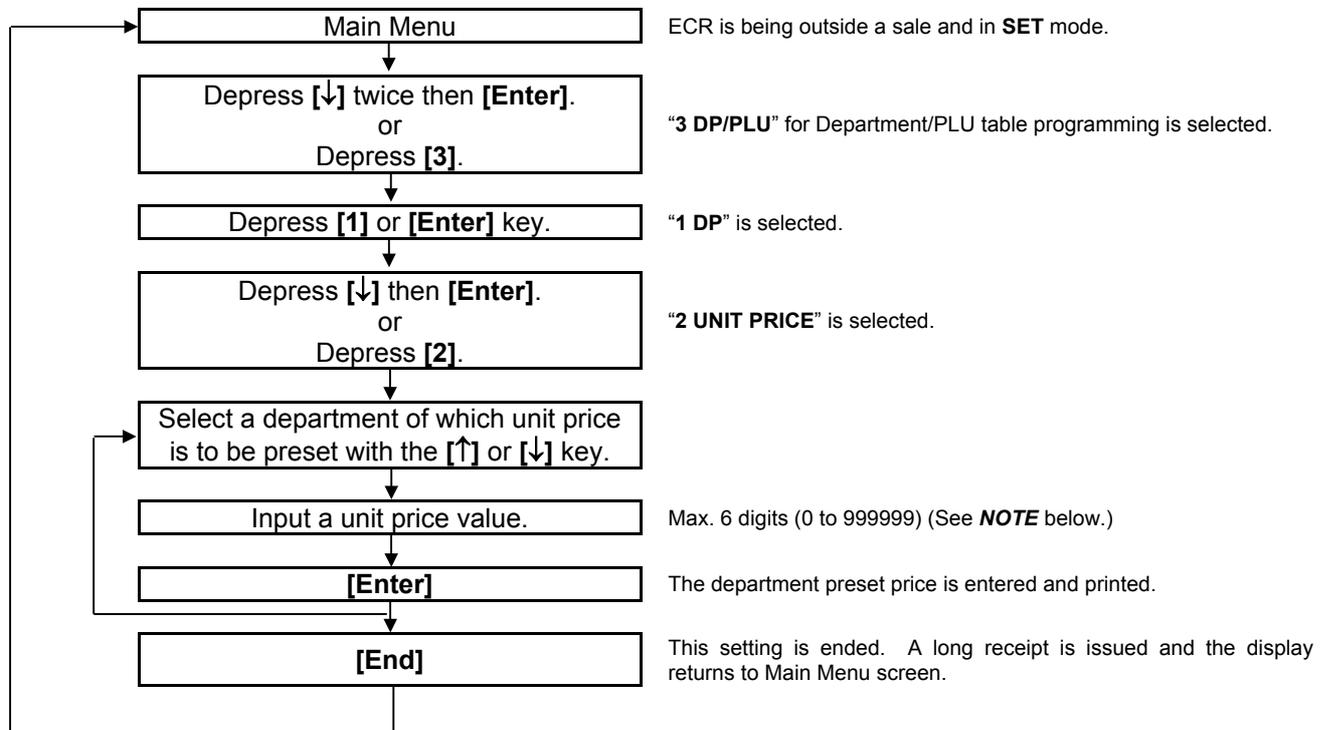
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTE: When inputting 0 then depressing the [Enter] key, a zero price will be set to the department. If none of unit price value is input then the [Enter] key is depressed, the department will be open (i.e. open-price department).

3) Example

To preset the price €1,00 on Department 1 (FOOD):

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key twice.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "3 DP/PLU".

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Operation	LCD Display	Remarks
Depress the [3] or [Enter] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	"3 DP/PLU" is selected.
Depress the [1] or [Enter] key.	<pre> 1 DP SET 2 PLU 0 </pre>	"1 DP" is selected.
Depress the [↓] key.	<pre> 1 DP SETTING SET 2 UNIT PRICE 3 DIGIT LIMIT (PRICE) 4 KEY STICKER PRINT 0 </pre>	The cursor is moved on to "2 UNIT PRICE".
Depress the [2] or [Enter] key.	<pre> 1 DP SETTING SET 2 UNIT PRICE 3 DIGIT LIMIT (PRICE) 4 KEY STICKER PRINT 0 </pre>	"2 UNIT PRICE" is selected.
Input 100 for the preset price of Department 1 (FOOD).	<pre> UNIT PRICE ? FOOD [] DP 02 [] DP 03 [] 0 </pre>	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display. <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <pre> ENTER A PRICE FROM 0 TO 999999 AND PRESS [ENTER]. 0 </pre> </div>
Depress the [Enter] key.	<pre> UNIT PRICE ? FOOD [1,00] DP 02 [] DP 03 [] 0 </pre>	When the [Enter] key is depressed, the programmed data is printed.
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

TEC STORE
 1343 PEACH DRIVE
 PHONE: 87-6437

Open 8:00am to 7:00pm
 Closed: every Wednesday

31-10-2005 MON #0

DP PRICE

01 FOOD 1,00@

0017 13:39TM

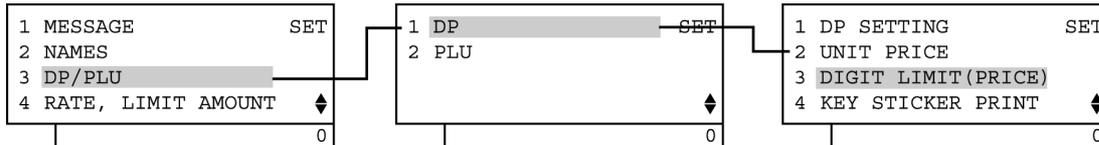
6.21 Department Listing Capacity (LC) Programming

The High Amount to be Locked Out (HALO) and Low Amount to be Locked Out (LALO) relating to the department entry are programmed here. Entry of an amount larger than HALO or smaller than LALO can be prohibited.

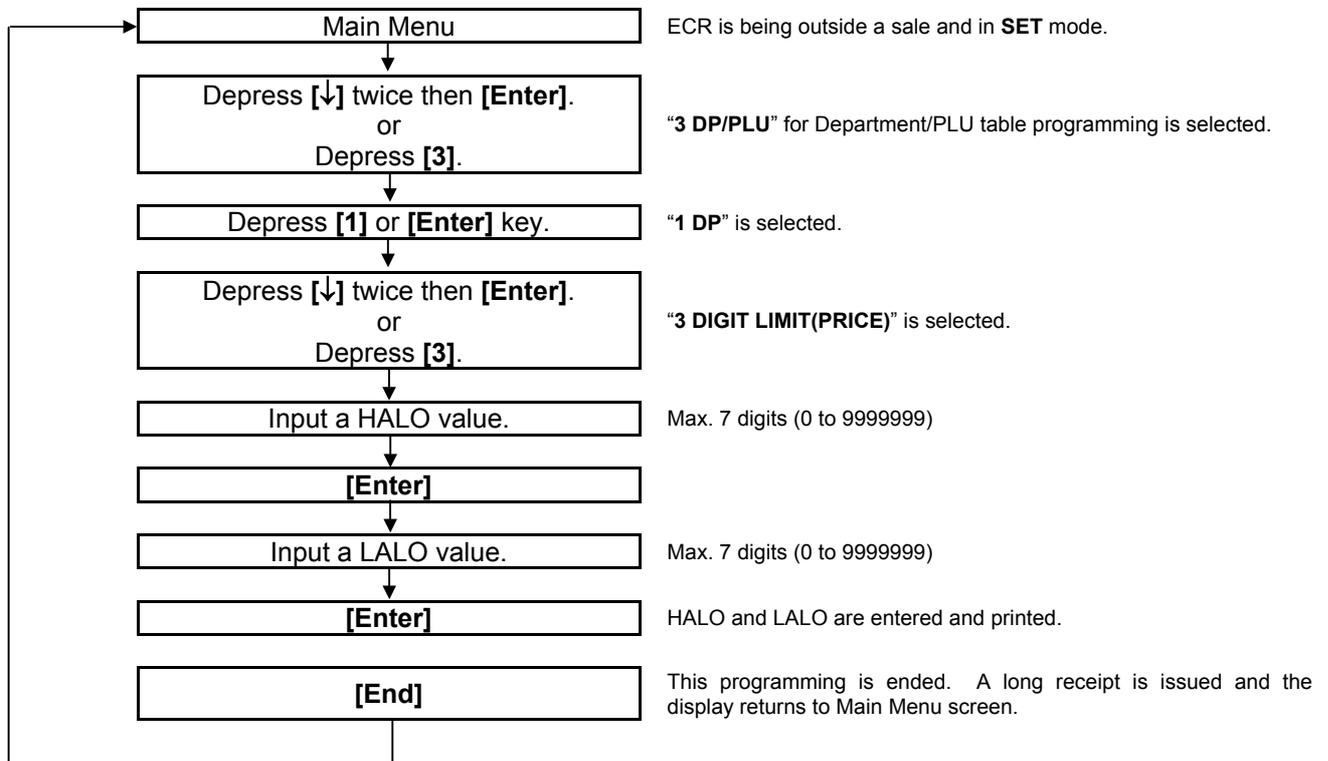
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTES:

- HALO and LALO relating to the department entry are programmed as shown below. (Max. 7 digits)
 - Input a HALO value or LALO value relating to the department entry, then depress the **[Enter]** key.
 XXXXXX **[Enter]**
 (HALO or LALO)
 - Amount limit at the department entry: HALO > Department preset price LALO
 - Example of HALO programming
 To prohibit an entry of an amount larger than 4000, input 4000.
 (i.e. The amount equal to or smaller than 3999 can be entered.)
 Example of LALO programming
 To allow an entry of an amount equal to or larger than 40, input 40.

- The HALO and LALO programmed here are effective at the department entry in **REG** mode only. They are not effective in **MGR** and **[]** mode, as a maximum of 7-digit amount value can be entered.
- Zeros must be entered as all the digits other than the highest digit. If any other value is entered, it will be regarded as a zero.

Example) Entering 4001 to 4999 will all result in setting 4000.

- Regarding a department of which amount limit is individually preprogrammed, the HALO and LALO programmed here will be ignored.
- The HALO and LALO programmed here are cancelled at the department entry by depressing the **[LC OPEN]** or **[OPEN]** key. (i.e. Amounts of 2-digit more than HALO and of 1-digit less than LALO can be entered, up to a maximum of 7 digits.)
A maximum of 7-digit amount value can be entered in **MGR** and **[]** mode.

- Example
To program 100000 for HALO and 10 for LALO.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key twice.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "3 DP/PLU".
Depress the [3] or [Enter] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	"3 DP/PLU" is selected.
Depress the [1] or [Enter] key.	<pre> 1 DP SET 2 PLU 0 </pre>	"1 DP" is selected.
Depress the [↓] key twice.	<pre> 1 DP SETTING SET 2 UNIT PRICE 3 DIGIT LIMIT (PRICE) 4 KEY STICKER PRINT 0 </pre>	The cursor is moved on to "3 DIGIT LIMIT (PRICE)".
Depress the [3] or [Enter] key.	<pre> 1 DP SETTING SET 2 UNIT PRICE 3 DIGIT LIMIT (PRICE) 4 KEY STICKER PRINT 0 </pre>	"3 DIGIT LIMIT (PRICE)" is selected.
Input 100000 , then depress the [Enter] key. (HALO: 100000)	<pre> DIGIT LIMIT (PRICE) ? 01HALO [0] 02LALO [0] 0 DIGIT LIMIT (PRICE) ? 01HALO [1000,00] 02LALO [0] 0 </pre>	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.
	<pre> ENTER A PRICE FROM 0 TO 9999999 AND PRESS [ENTER]. 0 </pre>	

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6.22 Key Sticker Printing

Key stickers of department names which were programmed in the DEPARTMENT NAME PROGRAMMING can be printed on the receipt printer.

CONDITION Any time outside a sale

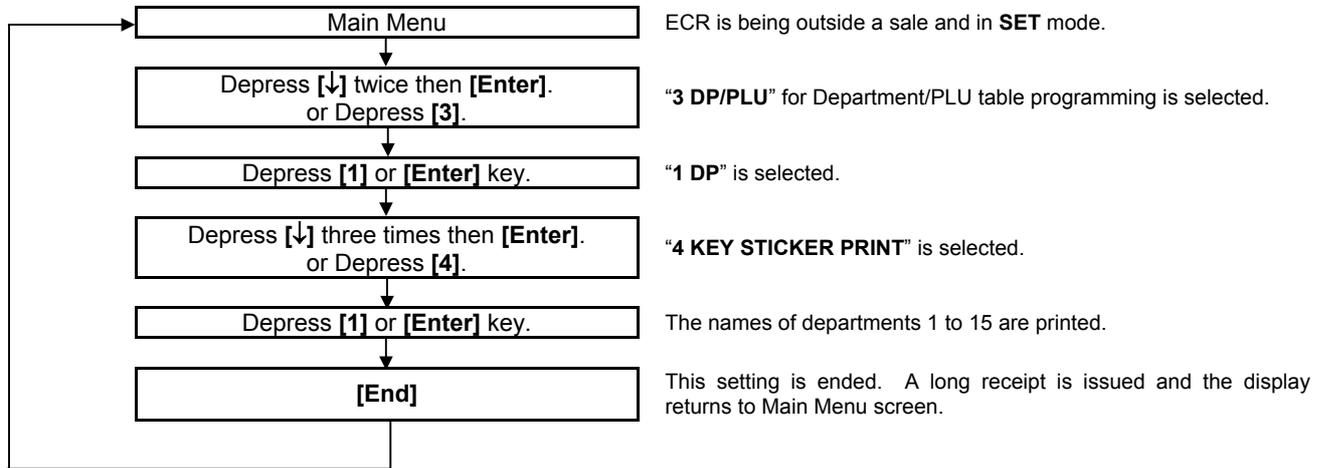
OPERATION Mode Lock: **SET**

1) Menu Tree

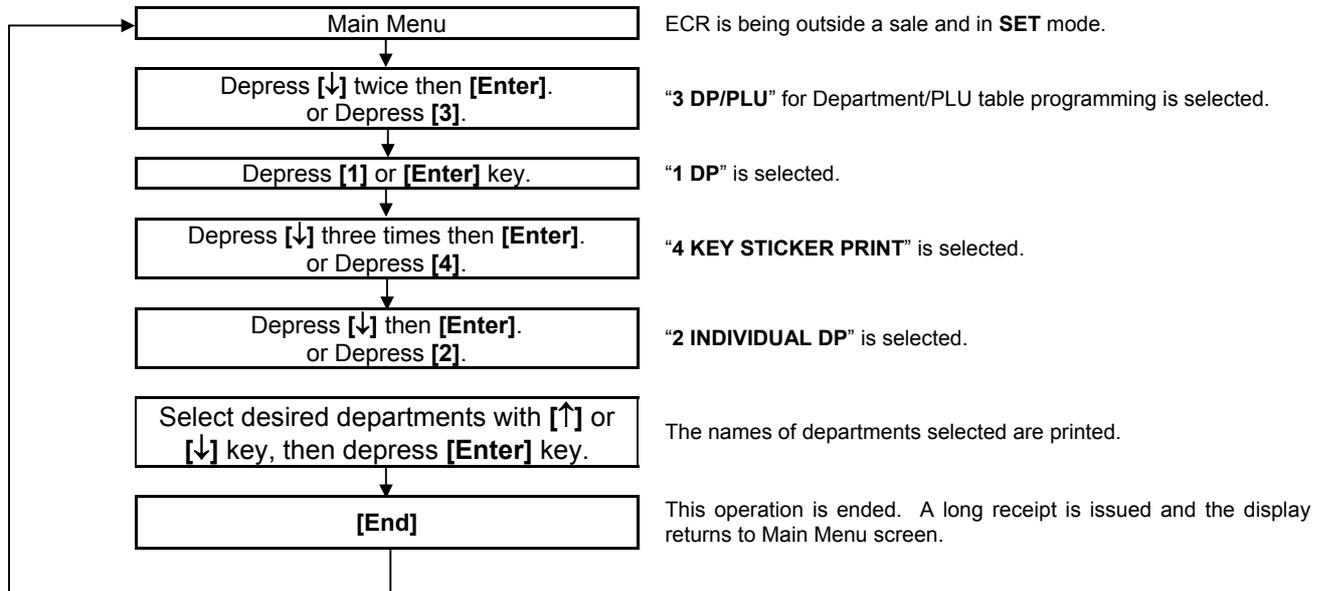


2) Operation Flowchart

- For printing all department names



- For printing part of department names



NOTES:

1. *Print format*
 - < Single key >
 - For the single key, a maximum of 12-digit department name (6 characters x 2 lines) can be printed.
 - For a 7-digit-or-more department name, the first 6 digits are printed in the first line and the 7th digit and after are printed in the second line.
 - The 6-digit-or-less department name is printed in the second line.
 - For a 13-digit-or-more department name, the first 12 digits are printed.
 - < Double-width key >
 - For the double-width key, a maximum of 16-digit department name can be printed.
 - The department name is printed in the second line.
 2. *Departments 1 through 5 are fixed to the double-width keys and Departments 6 through 15 are fixed to the single keys. The number of the department is fixed to 15, as it remains unchanged even when the number of the department keys are changed in the SFKC PROGRAMMING.*
 3. *Key sticker printing should not be performed when the flat type keyboard is provided. (i.e. none of key caps are provided.)*
 4. *The key sticker is printed on the receipt only. Only the header is printed on the journal.*
 5. *When a department name contains two-byte characters, it will be printed with all one-byte characters.*
- 3) Example
- (1) To print all department names.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key twice.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT ◆ </pre>	The cursor is moved on to "3 DP/PLU".
Depress the [3] or [Enter] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT ◆ </pre>	"3 DP/PLU" is selected.
Depress the [1] or [Enter] key.	<pre> 1 DP SET 2 PLU </pre>	"1 DP" is selected.
Depress the [↓] key three times.	<pre> 1 DP SETTING SET 2 UNIT PRICE 3 DIGIT LIMIT (PRICE) 4 KEY STICKER PRINT ◆ </pre>	The cursor is moved on to "4 KEY STICKER PRINT".
Depress the [4] or [Enter] key.	<pre> 1 DP SETTING SET 2 UNIT PRICE 3 DIGIT LIMIT (PRICE) 4 KEY STICKER PRINT ◆ </pre>	"4 KEY STICKER PRINT" is selected.

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(2) To print part of department names.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key twice.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "3 DP/PLU".
Depress the [3] or [Enter] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	"3 DP/PLU" is selected.
Depress the [1] or [Enter] key.	<pre> 1 DP SET 2 PLU 0 </pre>	"1 DP" is selected.
Depress the [↓] key three times.	<pre> 1 DP SETTING SET 2 UNIT PRICE 3 DIGIT LIMIT (PRICE) 4 KEY STICKER PRINT 0 </pre>	The cursor is moved on to "4 KEY STICKER PRINT".
Depress the [4] or [Enter] key.	<pre> 1 DP SETTING SET 2 UNIT PRICE 3 DIGIT LIMIT (PRICE) 4 KEY STICKER PRINT 0 </pre>	"4 KEY STICKER PRINT" is selected.
Depress the [↓] key.	<pre> 1 ALL DP 2 INDIVIDUAL DP 0 </pre>	The cursor is moved on to "2 INDIVIDUAL DP".
Depress the [2] or [Enter] key.	<pre> 1 ALL DP 2 INDIVIDUAL DP 0 </pre>	"2 INDIVIDUAL DP" is selected
The department name already programmed is displayed. Move the cursor on to a desired department name of which key sticker is to be printed with the [↓] or [↑] key, then depress the [Enter] key.	<pre> KEY STICKER PRINT ? FOOD DP 02 DP 03 0 </pre>	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display. <pre> SELECT A DESIRED DEPARTMENT WITH [↑]/[↓] AND PRESS [ENTER]. PRESS [END] TO COMPLETE. 0 </pre>
The [End] key depression allows the ECR to end this operation.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

6.23 PLU Table Programming

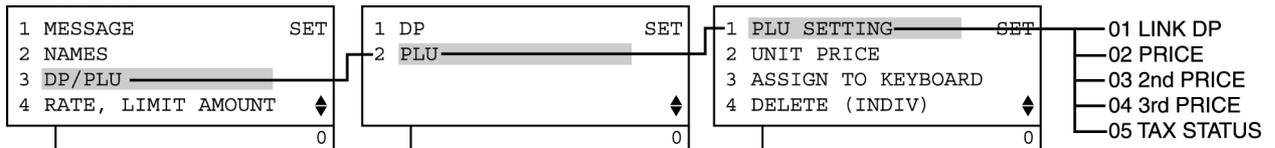
This programming can be operated when new PLU items are to be added, PLU program data is to be changed, or PLUs are to be deleted.

6.23.1 Programming or Changing

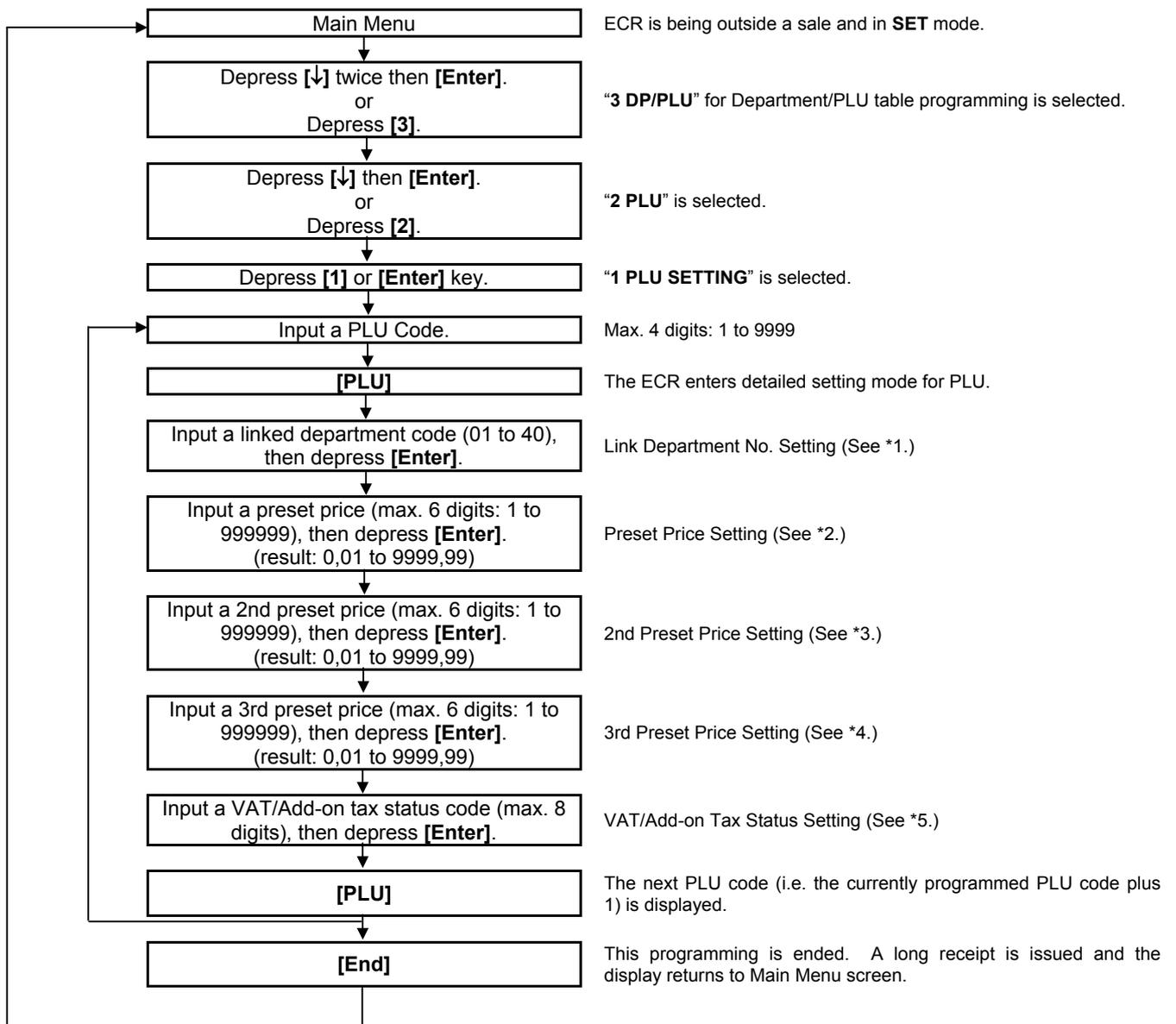
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTES:

1. A maximum of 1,000 PLUs are programmable.
2. If a PLU is linked to a negative department, the PLU is automatically set as negative PLU.
3. The [PLU] key here indicates the key labelled simply as "PLU" but not any PLU preset-code keys.

***1: Linked Department Code**

- Enter a 2-digit code of the department to which the PLU is linked.
When the PLU is newly programmed, this entry is compulsory (an error will result if this entry is skipped.)
 [Enter]
 01 to 40

***2: Preset Price**

- For a preset PLU (preset-price PLU), enter a maximum of 6-digit price, and depress the [Enter] key.
1 to 999999 (result: 0,01 to 9999,99)
- A zero-price (0,00) may be preset by entering 0 in the above operation.
- When no numeric value is entered and the [Enter] key is simply depressed, the PLU will be an open PLU (open-price PLU).

***3: 2nd Preset Price**

- For a preset PLU (preset-price PLU), enter a maximum of 6-digit price, and depress the [Enter] key.
1 to 999999 (result: 0,01 to 9999,99)
- A zero-price (0,00) may be preset by entering 0 in the above operation.
- If the 2nd preset price entry is skipped, the 1st preset price will be automatically programmed as the 2nd preset price.

***4: 3rd Preset Price**

- For a preset PLU (preset-price PLU), enter a maximum of 6-digit price, and depress the [Enter] key.
1 to 999999 (result: 0,01 to 9999,99)
- A zero-price (0,00) may be preset by entering 0 in the above operation.
- If the 3rd preset price entry is skipped, the 1st preset price will be automatically programmed as the 3rd preset price.

***5: VAT or Add-on Tax Status**

Tax type should be selected from either "VAT" or "ADD-ON TAX" by the system option.

- Enter one- to eight-digit status codes for applicable VAT or Add-on Tax.

[Enter]

VAT or Add-on Tax Status Type

0: Non-VAT or Non-taxable

1: VAT 1 or Tax 1

2: VAT 2 or Tax 2

3: VAT 3 or Tax 3

4: VAT 4 or Tax 4

5: VAT 5 or Tax 5

6: VAT 6 or Tax 6

7: VAT 7 or Tax 7

8: VAT 8 or Tax 8

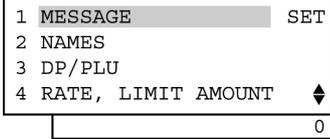
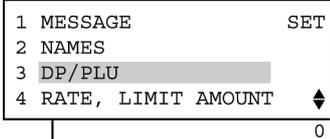
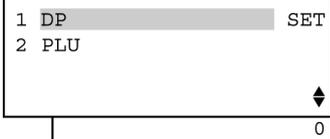
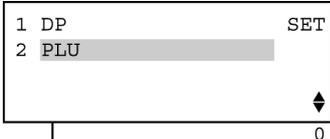
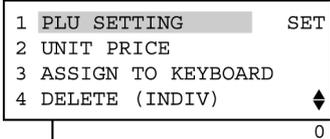
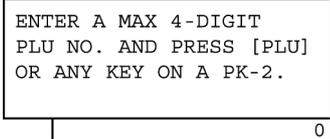
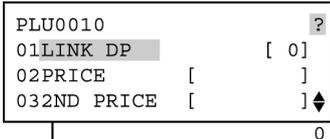
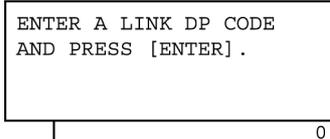
(More than one code can be entered for combining Tax 1 to Tax 8 taxable statuses. For example, enter 12 to select VAT 1 and VAT 2 (or Tax 1 and Tax 2) taxable statuses.)

- A combination of VAT and Add-on tax statuses is not possible.

3) Example

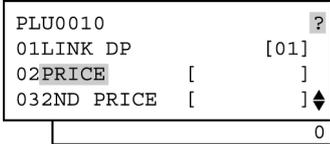
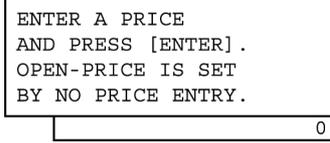
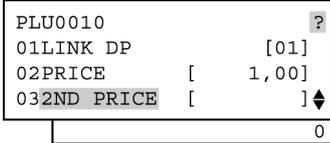
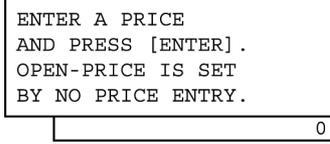
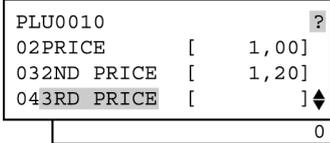
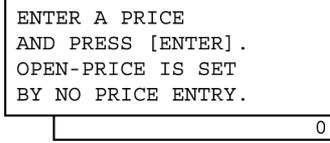
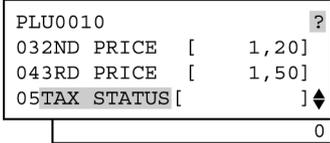
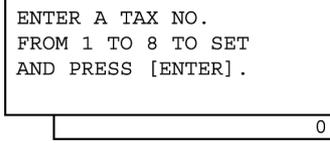
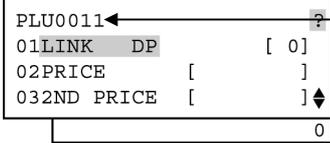
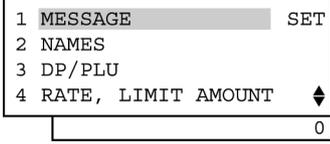
To program the following PLU data:

PLU Code: 0010
 Linked Department: Department 1
 Preset Price: €1,00
 2nd Preset Price: €1,20
 3rd Preset Price: €1,50
 Tax Status: 12 (VAT 1 and VAT 2)

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key twice.		The cursor is moved on to "3 DP/PLU".
Depress the [3] or [Enter] key.		"3 DP/PLU" is selected.
Depress the [↓] key.		The cursor is moved on to "2 PLU".
Depress the [2] or [Enter] key.		"2 PLU" is selected.
Depress the [1] or [Enter] key.		"1 PLU SETTING" is selected.
Input 0010 (or 10), then depress the [PLU] key. (PLU Code 0010 is set.)		PLU Code: Max. 4 digits (1 to 9999)
Input 01 (or 1), then depress the [Enter] key. (Linked Department 1 is set.)		The [?] key depression results in that the following guidance message appears on the LCD display. 

(continued on the next page)

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Operation	LCD Display	Remarks
Input 100 , then depress the [Enter] key. (Preset Price €1,00 is set.)		The [?] key depression results in that the following guidance message appears on the LCD display. 
Input 120 , then depress the [Enter] key. (2nd Preset Price €1,20 is set.)		The [?] key depression results in that the following guidance message appears on the LCD display. 
Input 150 , then depress the [Enter] key. (3rd Preset Price €1,50 is set.)		The [?] key depression results in that the following guidance message appears on the LCD display. 
Input 12 , then depress the [Enter] key. (VAT statuses 1 and 2 are set.)		The [?] key depression results in that the following guidance message appears on the LCD display. 
The [PLU] key depression completes the programming for PLU code 0010. (Addition of new PLUs and changes of current PLUs can be performed.)		When the [PLU] key is depressed, the next PLU code (i.e. the currently programmed PLU code plus 1) is displayed here.
The [End] key depression allows the ECR to end this programming.		A long receipt is issued and the display returns to Main Menu screen.

```

31-10-2005 MON #0

          PLU
0010 PLU0010
#01                01
#02                1,00@
#03                1,20@
#04                1,50@
#05                12

0001

                                0020 13:45TM
    
```

6.23.2 Deletion

CONDITION

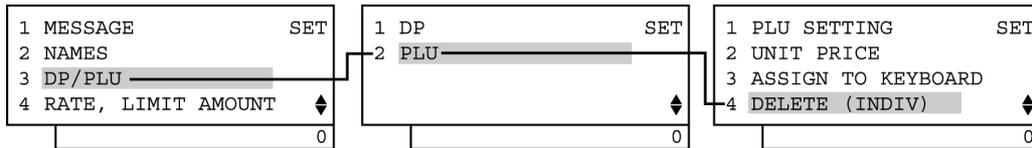
To delete a PLU with sales data of zero: Any time outside a sale
 To delete a PLU with sales data of not zero: After PLU Reset

OPERATION

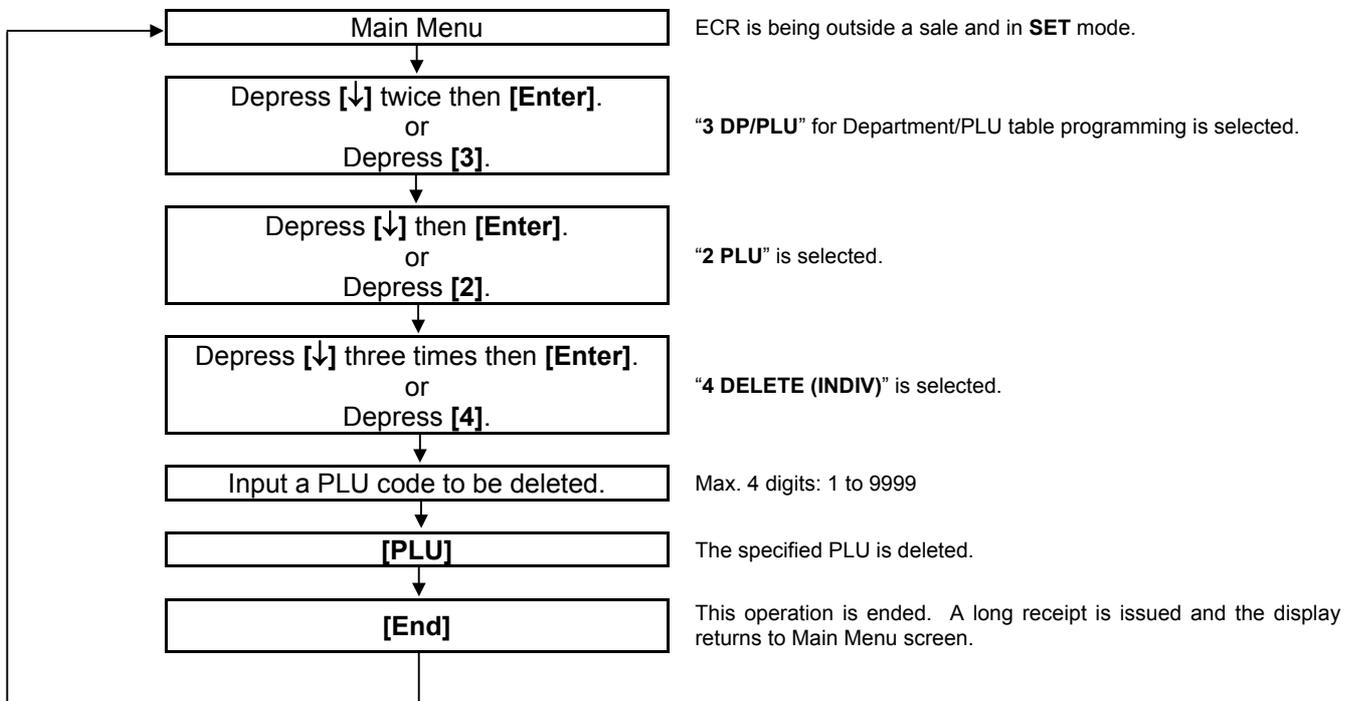
Mode Lock: **SET**

Individual PLU Deletion: The programmed PLU data is deleted individually.

1) Menu Tree



2) Operation Flowchart



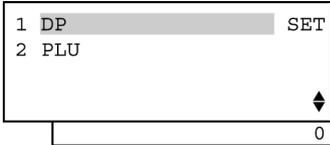
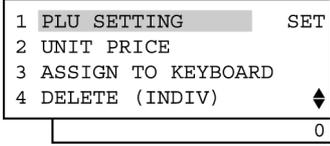
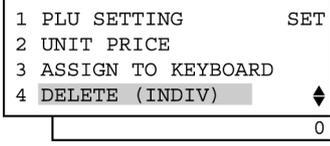
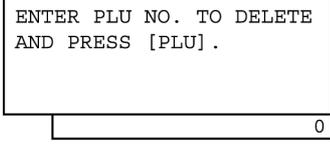
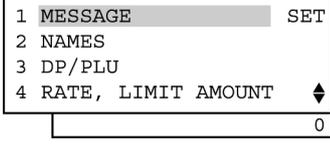
3) Example

To delete PLU Code 0501 (Tuna Can) that was once programmed.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key twice.		The cursor is moved on to "3 DP/PLU".
Depress the [3] or [Enter] key.		

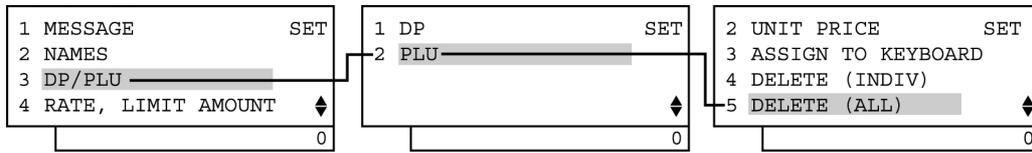
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Operation	LCD Display	Remarks
Depress the [↓] key.	<pre> 1 DP SET 2 PLU </pre> 	
Depress the [1] or [Enter] key.	<pre> 1 DP SET 2 PLU </pre> 	"2 PLU" is selected.
Depress the [↓] key three times.	<pre> 1 PLU SETTING SET 2 UNIT PRICE 3 ASSIGN TO KEYBOARD 4 DELETE (INDIV) </pre> 	The cursor is moved on to "4 DELETE (INDIV)".
Depress the [4] or [Enter] key.	<pre> 1 PLU SETTING SET 2 UNIT PRICE 3 ASSIGN TO KEYBOARD 4 DELETE (INDIV) </pre> 	"4 DELETE (INDIV)" is selected.
Input 0501 (or 501), then depress the [PLU] key. (PLU Code 0501 is specified.)	<pre> ENTER PLU NO. TO DELETE AND PRESS [PLU] . </pre> 	PLU Code: Max. 4 digits (1 to 9999)
The [End] key depression allows the ECR to end this operation.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT </pre> 	A long receipt is issued and the display returns to Main Menu screen.

All PLU Deletion: The programmed PLU data is deleted entirely.

1) Menu Tree



2) Operation

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key twice.		The cursor is moved on to "3 DP/PLU".
Depress the [3] or [Enter] key.		
Depress the [↓] key.		
Depress the [2] or [Enter] key.		"2 PLU" is selected.
Depress the [↓] key four times.		The cursor is moved on to "5 DELETE (ALL)".
Depress the [5] or [Enter] key.		"5 DELETE (ALL)" is selected.
Depress the [ALL VOID] key.		The entire programmed PLU data is deleted, then the following message is displayed.
The [End] key depression allows the ECR to end this operation.		A long receipt is issued and the display returns to Main Menu screen.

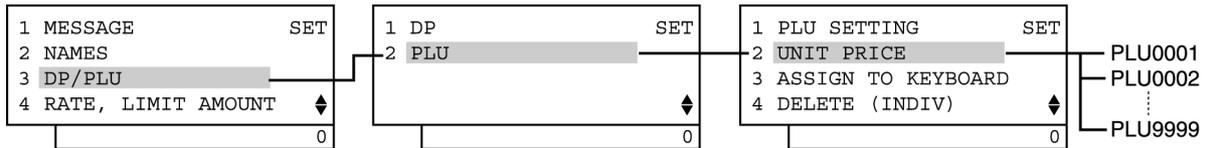
6.24 PLU Preset Price Setting or Changing

The preset price of each PLU may be set in the PLU TABLE PROGRAMMING already described. However, in setting or changing the price only (not other programmed data), the following operation will be more convenient.

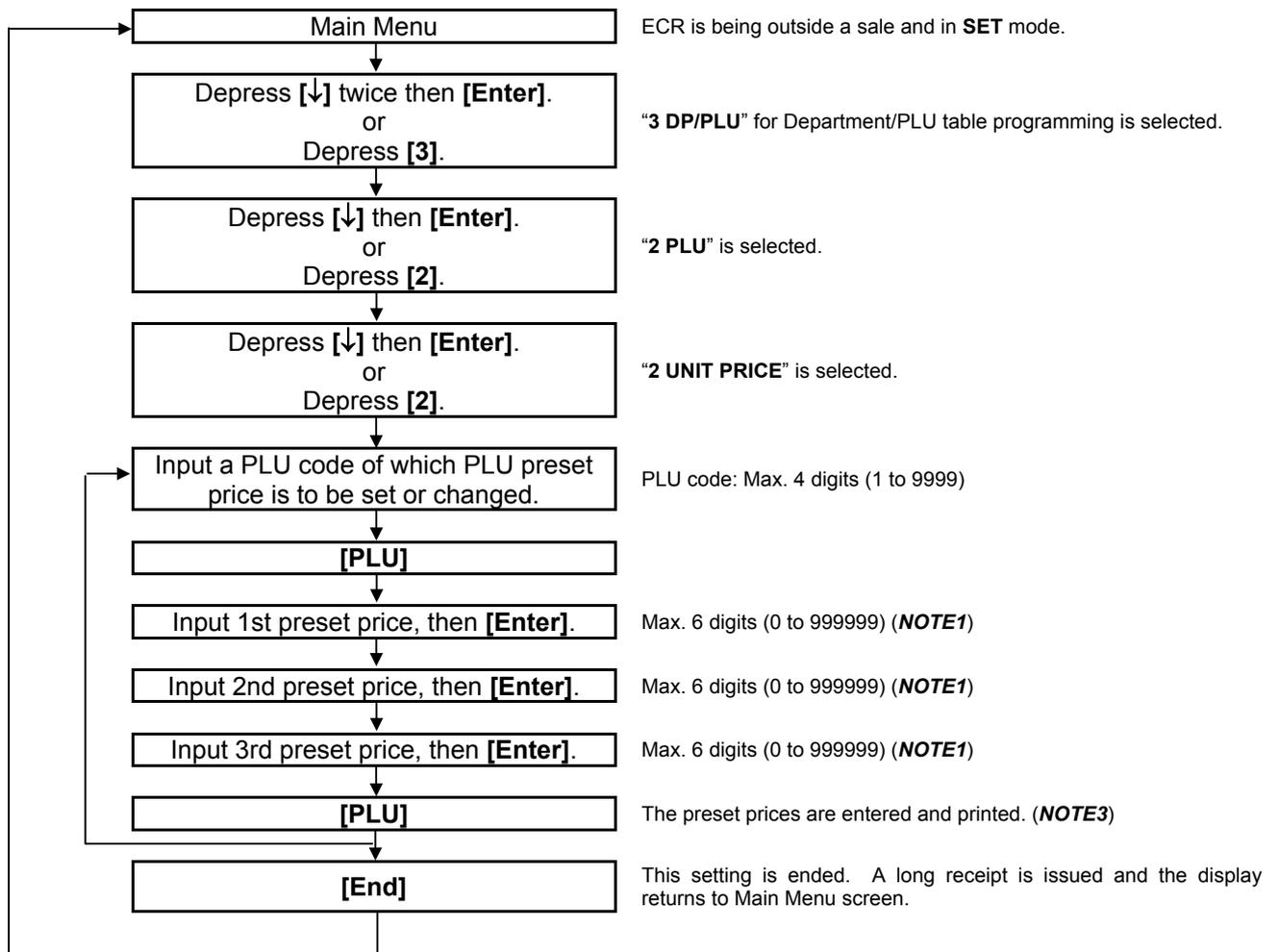
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTES:

1. When no price is input then the **[Enter]** key is depressed, the PLU will be open (i.e. open-price PLU).
2. If inputting a nonexistent PLU code that was not programmed in the PLU Table Programming, this may cause an error.
3. The **[PLU]** key depression here results in that the next PLU code (i.e. the currently programmed PLU code plus 1) is displayed. If it does not exist, the guidance message requiring a PLU code input is displayed.

3) Example

To change the preset prices of PLU Code 0001 as shown below:

PLU Code: 0001

1st Preset Price: It is changed from €1,05 to €3,15.

2nd Preset Price: It is changed from €2,10 to €5,40.

3rd Preset Price: It remains €3,20.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key twice.		The cursor is moved on to "3 DP/PLU".
Depress the [3] or [Enter] key.		
Depress the [↓] key.		The cursor is moved on to "2 PLU".
Depress the [2] or [Enter] key.		
Depress the [↓] key.		The cursor is moved on to "2 UNIT PRICE".
Depress the [2] or [Enter] key.		
Input 1 , then depress the [PLU] key.		PLU Code 0001 is specified.

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Operation	LCD Display	Remarks
<p>Make sure the cursor is shown on 01PRICE. Then, input 315 and depress the [Enter] key.</p>	<pre> PLU0001 [?] 01PRICE [1,05] 022ND PRICE [2,10] 033RD PRICE [3,20] 0 </pre>	<p>The 1st preset price is changed from €1,05 to €3,15.</p> <p>While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.</p> <pre> ENTER A PRICE FROM 0 TO 999999 AND PRESS [ENTER]. 0 </pre>
<p>Make sure the cursor is shown on 022ND PRICE. Then, input 540 and depress the [Enter] key.</p>	<pre> PLU0001 [?] 01PRICE [3,15] 022ND PRICE [2,10] 033RD PRICE [3,20] 0 </pre>	<p>The 2nd preset price is changed from €2,10 to €5,40.</p>
<p>As the 3rd preset price remains unchanged, depress the [PLU] key.</p>	<pre> PLU0001 [?] 01PRICE [3,15] 022ND PRICE [5,40] 033RD PRICE [3,20] 0 </pre>	<p>PLU0001 preset price setting is ended.</p> <p>When the [Enter] key is depressed, the programmed data is printed.</p>
<p>After the [PLU] key depression</p>	<pre> PLU0002 [?] 01PRICE [1,00] 022ND PRICE [1,00] 033RD PRICE [1,00] 0 </pre>	<p>The next PLU code (i.e. the currently programmed PLU code plus 1) is displayed.</p>
	<pre> ENTER A MAX 4-DIGIT PLU NO. AND PRESS [PLU] OR ANY KEY ON A PK-2. 0 </pre>	<p>If the next PLU code (i.e. the currently programmed PLU code plus 1) does not exist, this guidance message requiring a PLU code input is displayed.</p>
<p>The [End] key depression allows the ECR to end this programming.</p>	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	<p>A long receipt is issued and the display returns to Main Menu screen.</p>

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

PLU PRICE
0001 PLU0001
#01 3,15@
#02 5,40@
#03 3,20@

0021 13:47TM
                    
```

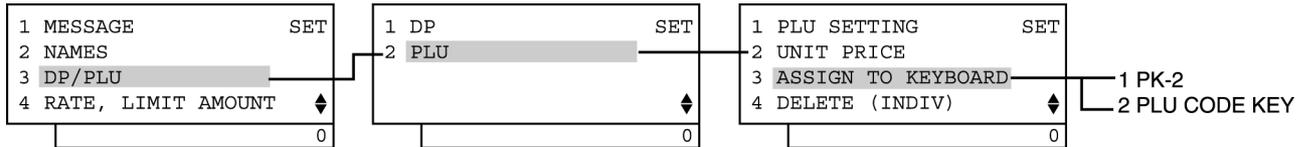
6.25 PLU Preset-Code Key Setting

When there are any keys programmed as PLU Preset-code Keys (SFKC 96) on the ECR Keyboard (ordinary or Flat type), and /or when the PK-2 PLU Keyboard (hardware option) is connected to the ECR, a PLU code may be preset to each of those keys in this operation.

CONDITION Any time outside a sale

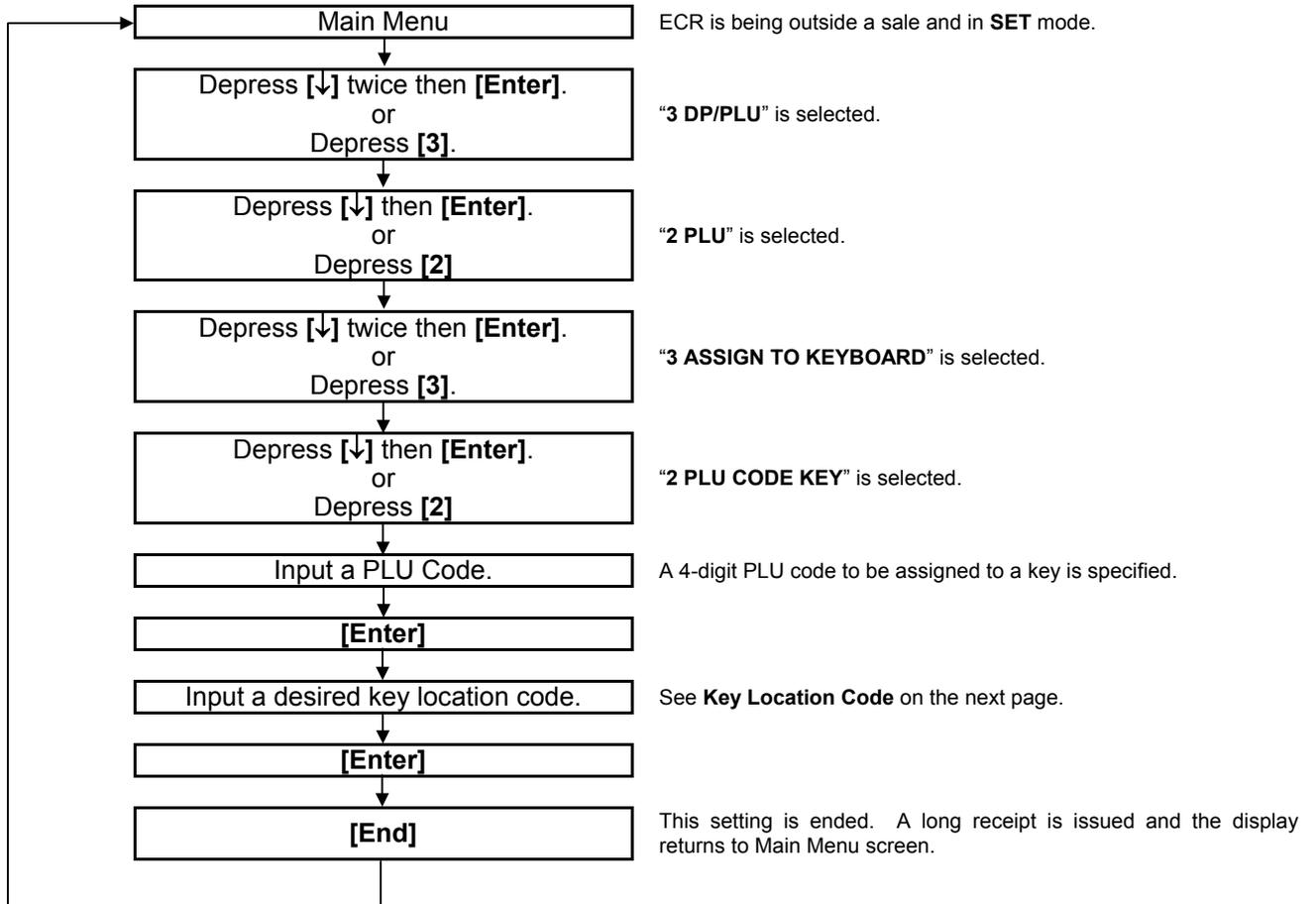
OPERATION Mode Lock: **SET**

1) Menu Tree

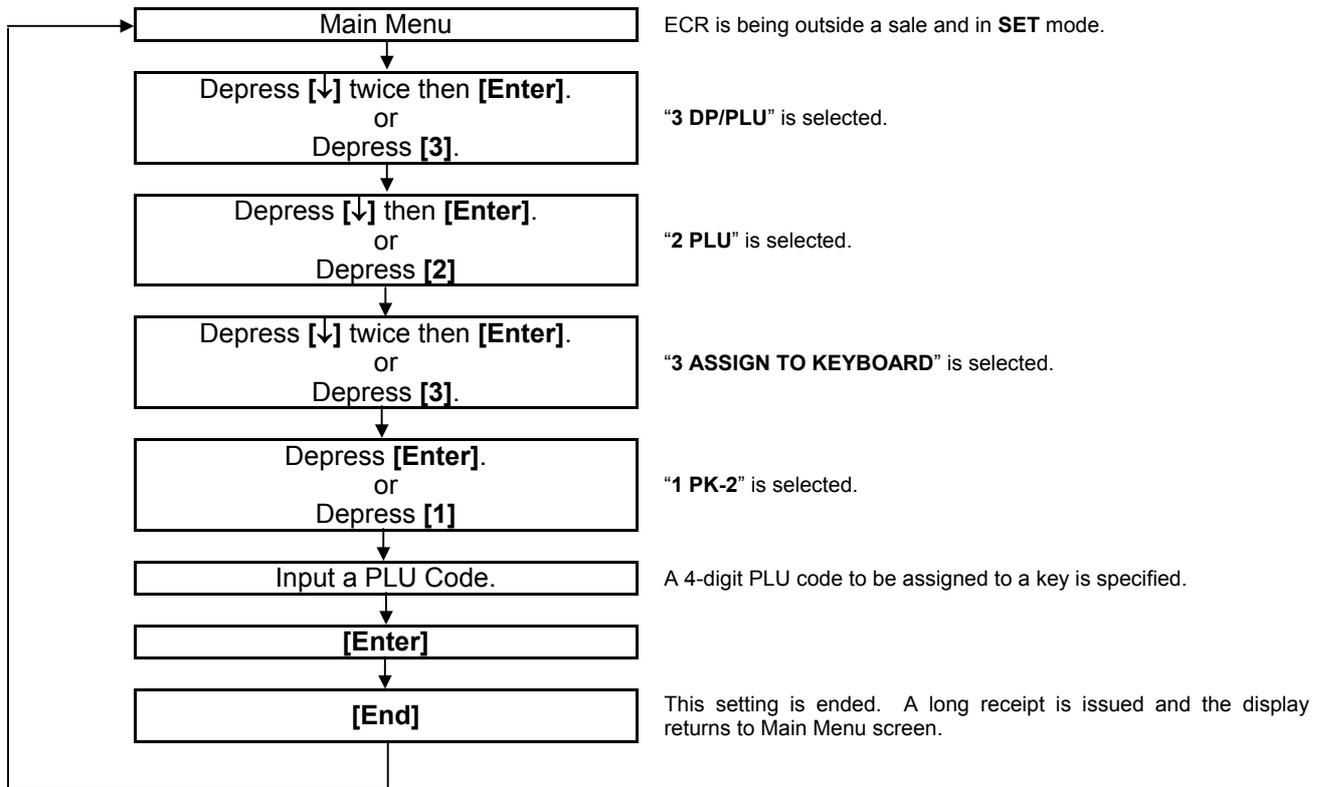


2) Operation Flowchart

- For PLU Preset-Code Key (SFKC 96)



- For PK-2 Keyboard



NOTE: PLU Codes 1 through 130 are automatically assigned to the PK-2 after performing a RAM Clear.

Key Location Code

- Ordinary type keyboard

1	7	13	19	25	31	37	43	49	55	61
2	8	14	20	26	32	38	44	50	56	62
3	9	15	21	27	33	39	45	51	57	63
4	10	16	22	28	34	40	46	52	58	64
5	11	17	23	29	35	41	47	53	59	65
6	12	18	24	30	36	42	48	54	60	66

* For the double-width key, the key location code on the right is effective.

• Flat type keyboard

1	8	15	22	29	36	43	50	57	64	71	77	83	90	97	100
2	9	16	23	30	37	44	51	58	65	72	78	84	91	98	101
3	10	17	24	31	38	45	52	59	66	73	85		92	99	102
4	11	18	25	32	39	46	53	60	67	74	79	86	93	103	
5	12	19	26	33	40	47	54	61	68	75	80	87	94	104	
6	13	20	27	34	41	48	55	62	69	76	81	88	95	105	
7	14	21	28	35	42	49	56	63	70		82	89	96	106	

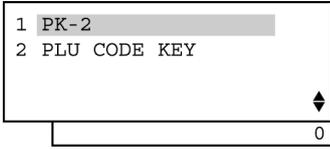
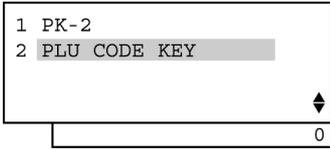
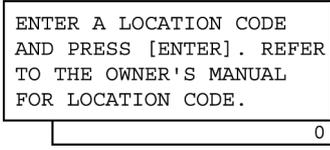
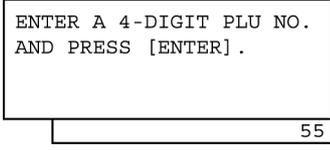
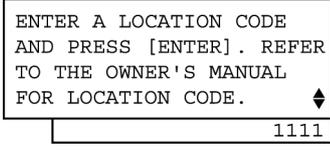
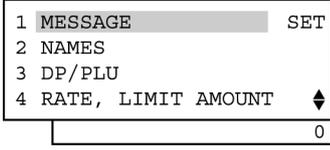
3) Example

(1) To assign PLU Code 1111 to Key Location Code 55 on the ordinary type keyboard.

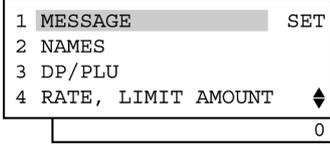
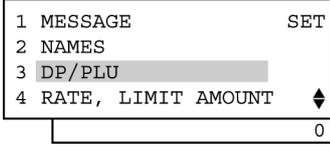
Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key twice.		The cursor is moved on to "3 DP/PLU".
Depress the [3] or [Enter] key.		"3 DP/PLU" is selected.
Depress the [↓] key.		The cursor is moved on to "2 PLU".
Depress the [2] or [Enter] key.		"2 PLU" is selected.
Depress the [↓] key twice.		The cursor is moved on to "3 ASSIGN TO KEYBOARD".
Depress the [3] or [Enter] key.		"3 ASSIGN TO KEYBOARD" is selected.

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Operation	LCD Display	Remarks
Depress the [↓] key.		The cursor is moved on to "2 PLU CODE KEY".
Depress the [2] or [Enter] key.		"2 PLU CODE KEY" is selected.
Input 55, then depress the [Enter] key. (Key Location Code 55 is set.)		On this screen, when inputting a PLU code then depressing a PLU preset-code key, the [PLU] key setting is possible. In this case, the PLU preset-code keys on the standard flat type keyboard can be set. The other keys should be set with the key location code.
Input 1111, then depress the [Enter] key. (PLU Code 1111 is set.)		
The display returns to the key location code input screen.		
The [End] key depression allows the ECR to end this setting.		A long receipt is issued and the display returns to Main Menu screen.

(2) To assign PLU Code 1111 on the PK-2 keyboard.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key twice.		The cursor is moved on to "3 DP/PLU".
Depress the [3] or [Enter] key.		"3 DP/PLU" is selected.

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Operation	LCD Display	Remarks
Depress the [↓] key.	<pre> 1 DP SET 2 PLU ┌───────────┐ │ │ └───────────┘ 0</pre>	The cursor is moved on to "2 PLU".
Depress the [2] or [Enter] key.	<pre> 1 DP SET 2 PLU ┌───────────┐ │ │ └───────────┘ 0</pre>	"2 PLU" is selected.
Depress the [↓] key twice.	<pre> 1 PLU SETTING SET 2 UNIT PRICE 3 ASSIGN TO KEYBOARD 4 DELETE (INDIV) ┌───────────┐ │ │ └───────────┘ 0</pre>	The cursor is moved on to "3 ASSIGN TO KEYBOARD".
Depress the [3] or [Enter] key.	<pre> 1 PLU SETTING SET 2 UNIT PRICE 3 ASSIGN TO KEYBOARD 4 DELETE (INDIV) ┌───────────┐ │ │ └───────────┘ 0</pre>	"3 ASSIGN TO KEYBOARD" is selected.
Depress the [1] or [Enter] key.	<pre> 1 PK-2 2 PLU CODE KEY ┌───────────┐ │ │ └───────────┘ 0</pre>	"1 PK-2" is selected.
Input 1111 , then depress the [Enter] key. (PLU Code 1111 is set.)	<pre> ENTER A 4-DIGIT PLU NO. AND PRESS A KEY ON A PK-2. ENTER 0 TO DISABLE A KEY ON A PK-2. ┌───────────┐ │ │ └───────────┘ 0</pre>	
Directly depress a key on the PK-2 keyboard where PLU Code 1111 is to be assigned.	<pre> ENTER A 4-DIGIT PLU NO. AND PRESS A KEY ON A PK-2. ENTER 0 TO DISABLE A KEY ON A PK-2. ┌───────────┐ │ │ └───────────┘ 1111</pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT ┌───────────┐ │ │ └───────────┘ 0</pre>	A long receipt is issued and the display returns to Main Menu screen.

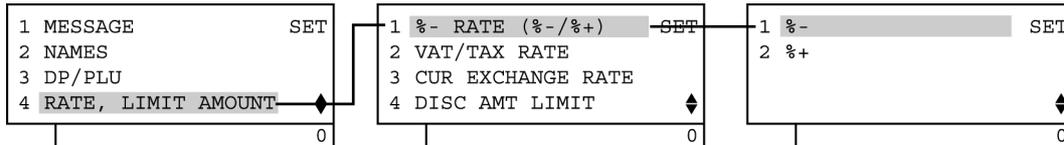
6.26 %+ and %- Preset Rate Setting

A preset rate may be set on each of the [%+] and [%-] keys, one independent rate for each key. Once a rate is preset, the % key will simply be depressed without a prior rate entry to activate the preset rate. If a rate is entered prior to the depression of the key, the entered rate (manual rate) will be activated instead.

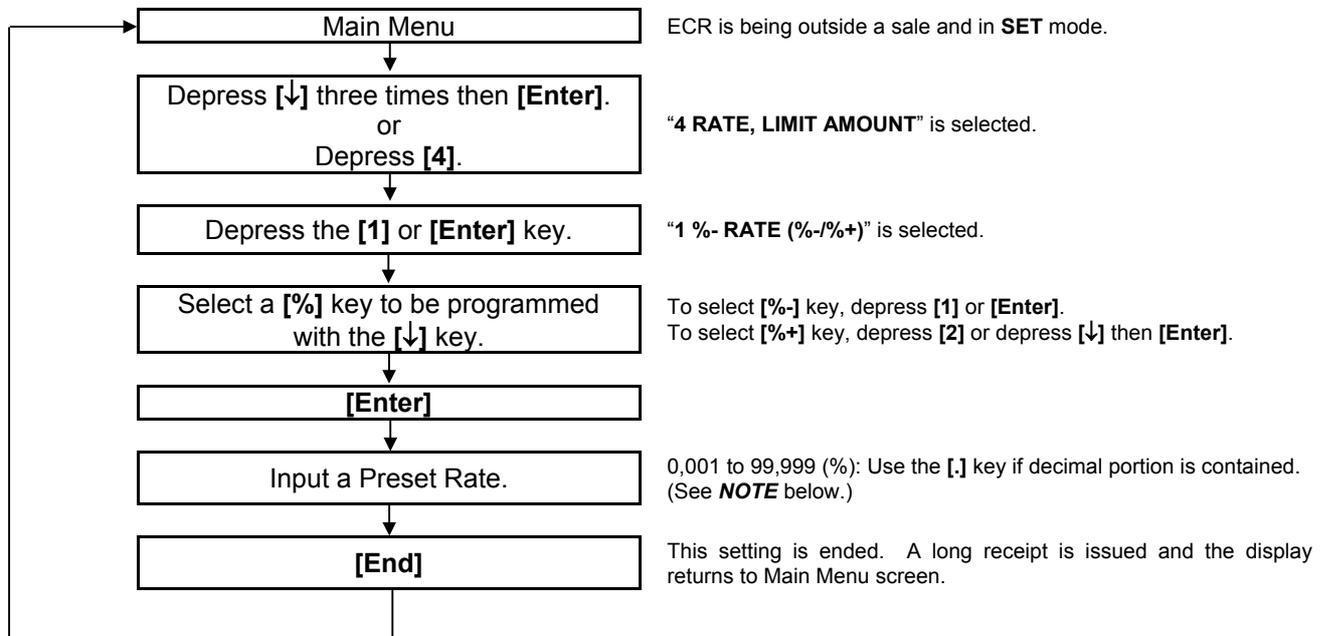
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTE: When inputting 0, the % preset rate will be cancelled. If doing so, the % preset rate should be set in the registration operation.

- 3) Example
 To program the following rate on the [%-] key:
 [%-] key Rate 5,00%

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key three times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "4 RATE, LIMIT AMOUNT".
Depress the [4] or [Enter] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	"4 RATE, LIMIT AMOUNT" is selected.
Depress the [1] or [Enter] key.	<pre> 1 %- RATE (%-/%+) SET 2 VAT/TAX RATE 3 CUR EXCHANGE RATE 4 DISC AMT LIMIT 0 </pre>	"1 %- RATE (%-/%+)" is selected.
Depress the [1] or [Enter] key.	<pre> 1 %- SET 2 %+ 0 </pre>	"1 %-" is selected.
Input 5.	<pre> ENTER A % RATE FROM 0 TO 99.999 AND PRESS [END] . 0 </pre>	Preset Rate 5,00% is entered.
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

%- % RATE 5%

0022 13:49TM
    
```

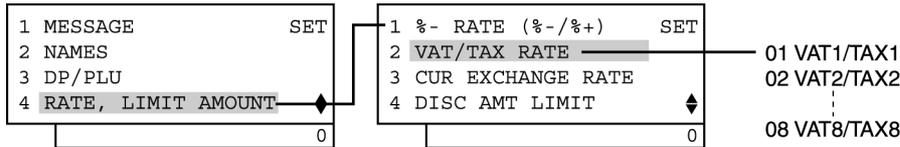
6.27 VAT or Add-on Tax Rate Setting

The rates of VATs or Add-on Taxes are set in this operation,. (Which VAT or Add-on Tax is applicable to each Department or PLU has already been set in the DEPARTMENT TABLE PROGRAMMING and PLU TABLE PROGRAMMING.)

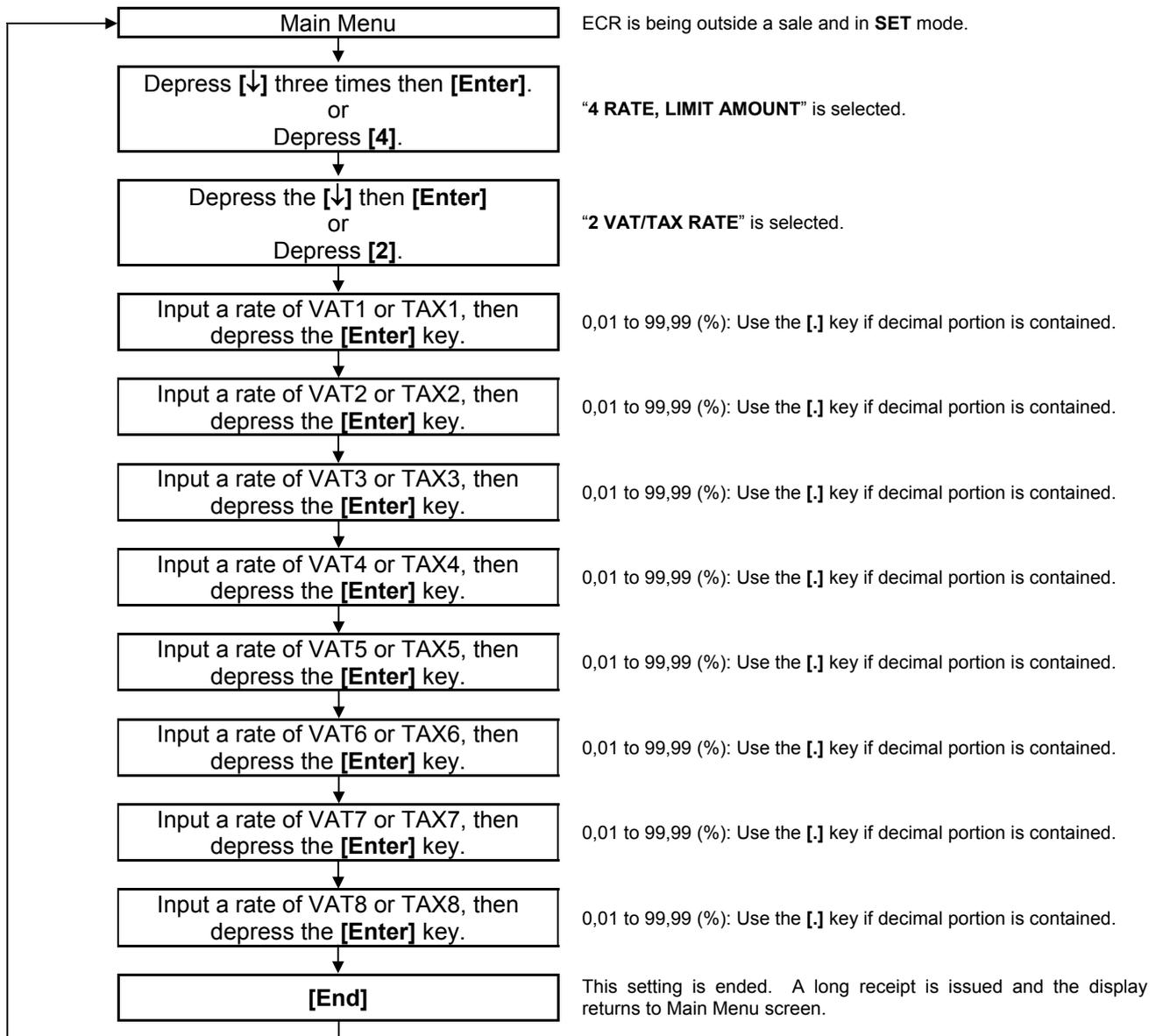
CONDITION After Financial Daily Reset

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTE: Either VAT or Add-on Tax can be used. Tax feature is according to the status selected in Address No. 21, Bit No. 5 of the system option.

- 3) Example
 To set the following VAT rate:
 VAT1.....10%

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key three times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "4 RATE, LIMIT AMOUNT".
Depress the [4] or [Enter] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	"4 RATE, LIMIT AMOUNT" is selected.
Depress the [↓] key	<pre> 1 %- RATE (%-/%+) SET 2 VAT/TAX RATE 3 CUR EXCHANGE RATE 4 DISC AMT LIMIT 0 </pre>	The cursor is moved on to "2 VAT/TAX RATE".
Depress the [2] or [Enter] key.	<pre> 1 %- RATE (%-/%+) SET 2 VAT/TAX RATE 3 CUR EXCHANGE RATE 4 DISC AMT LIMIT 0 </pre>	"2 VAT/TAX RATE" is selected.
Input 10 , then depress the [Enter] key.	<pre> VAT/TAX RATE ? 01VAT1/TAX1 [0] % 02VAT2/TAX2 [0] % 03VAT2/TAX3 [0] % 0 VAT/TAX RATE ? 01VAT1/TAX1 [10,00] % 02VAT2/TAX2 [0] % 03VAT2/TAX3 [0] % 0 </pre>	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.
Depress the [↓] six times.	<pre> VAT/TAX RATE ? 06VAT6/TAX6 [0] % 07VAT7/TAX7 [0] % 08VAT8/TAX8 [0] % 0 </pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

VAT/TAX RATE
VAT1 10%

0023 13:51TM
    
```

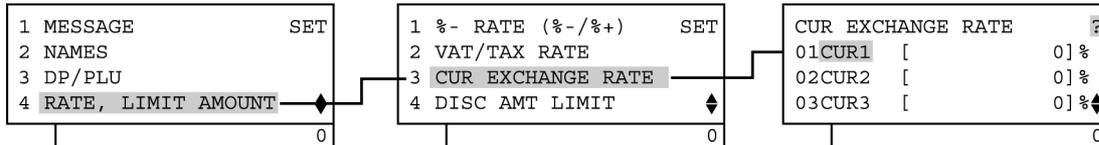
6.28 Foreign Currency Exchange Rate Setting

The rate of each foreign currency (corresponding to the [CUR1] to [CUR5] keys) are set in this operation. By setting a rate on each Foreign Currency Key, reading the sale total and tendering in the foreign currency value will be possible for sale finalization.

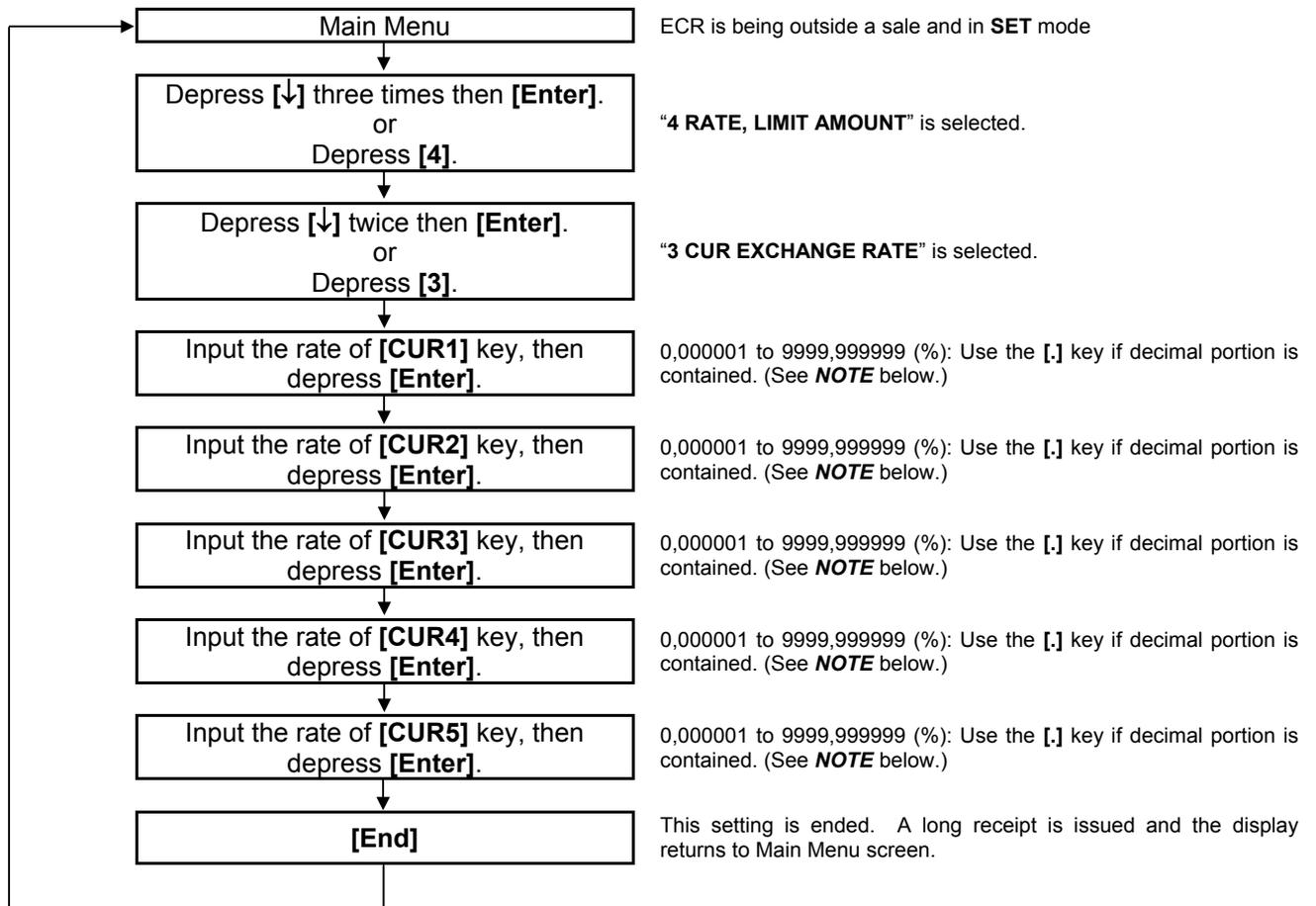
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTE: When inputting 0, the rate of the foreign currency will be cancelled. If doing so, the rate of the foreign currency should be set in the registration operation.

Foreign Currency Exchange Rate Calculation

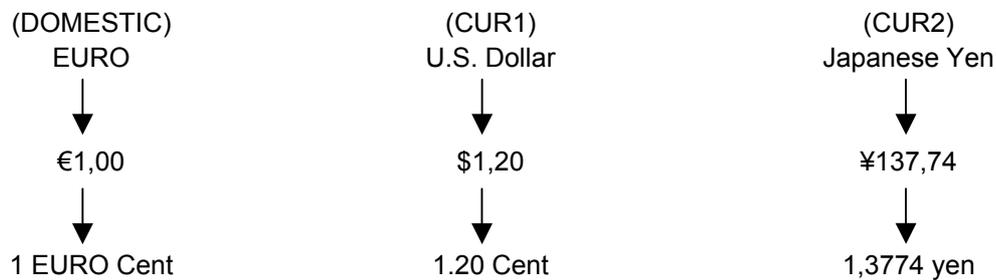
- The rate must be calculated in the subsidiary currency unit values for both the domestic and the foreign currencies. (In case of calculating the rate from the domestic to a foreign currency with the same zero-suppress form, such as from Euro to U.S. \$, it will be no problem even if it is calculated in the main currency of Euro and \$. However, in case of exchanging from a domestic currency such as Euro or \$ to Japanese yen, or vice versa, this rule must be obeyed; otherwise a wrong rate will result.)
- Calculate the required foreign currency value equivalent to the domestic currency value "1". Then the obtained value is the Exchange Rate value to be entered in the setting operation stated on the previous page.

3) Example

To set two foreign currency rates:

(The rates here are merely examples, and may be different from the actual rates currently in effect.)

Conditions given for Domestic Currency and Foreign Currencies



Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key three times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "4 RATE, LIMIT AMOUNT".
Depress the [4] or [Enter] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	"4 RATE, LIMIT AMOUNT" is selected.
Depress the [↓] key twice.	<pre> 1 %- RATE (%-/%+) SET 2 VAT/TAX RATE 3 CUR EXCHANGE RATE 4 DISC AMT LIMIT 0 </pre>	The cursor is moved on to "3 CUR EXCHANGE RATE".
Depress the [3] or [Enter] key.	<pre> 1 %- RATE (%-/%+) SET 2 VAT/TAX RATE 3 CUR EXCHANGE RATE 4 DISC AMT LIMIT 0 </pre>	"3 CUR EXCHANGE RATE" is selected.

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Operation	LCD Display	Remarks
Make sure the cursor is shown on 01CUR1. Then, input 1.20 and depress the [Enter] key.	<pre> CUR EXCHANGE RATE ? 01CUR1 [0] % 02CUR2 [0] % 03CUR3 [0] % </pre>	<p>The exchange rate from € to \$ is set on the [CUR1] key.</p> <p>While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.</p> <pre> ENTER FOREIGN CURRENCY EXCHANGE RATE FROM 0 TO 9999.999999 AND PRESS [ENTER] . </pre>
Make sure the cursor is shown on 02CUR2. Then, input 1.3774 and depress the [Enter] key.	<pre> CUR EXCHANGE RATE ? 01CUR1 [1,2] % 02CUR2 [0] % 03CUR3 [0] % </pre>	The exchange rate from € to Japan Yen is set on the [CUR2] key.
Depress the [↓] key twice.	<pre> CUR EXCHANGE RATE ? 01CUR1 [1,2] % 02CUR2 [1,3774] % 03CUR3 [0] % </pre>	The cursor is moved on to "05CUR5" .
Make sure the cursor is shown on 05CUR5.	<pre> CUR EXCHANGE RATE ? 03CUR3 [0] % 04CUR4 [0] % 05CUR5 [0] % </pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT </pre>	A long receipt is issued and the display returns to Main Menu screen.

TEC STORE	
1343 PEACH DRIVE PHONE: 87-6437	
Open 8:00am to 7:00pm Closed: every Wednesday	
31-10-2005 MON #0	
CUR RATE	
CUR1	1.2*
CUR2	1,3774*
0024 13:53TM	

Resetting a Foreign Currency Rate Once Set

Input **0** in place of the Exchange Rate for the Foreign Currency in the setting operation. Then the rate for that foreign currency will be reset. The rate of the Foreign Currency Key thus reset cannot be used in sales entries.

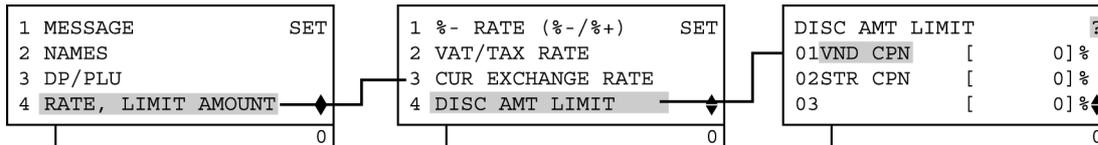
6.29 Negative Amount Key Limit Amount Setting

The limit amount to be entered through each of the negative-amount keys **[VND CPN]**, **[STR CPN]**, and **[-]** Are set here.

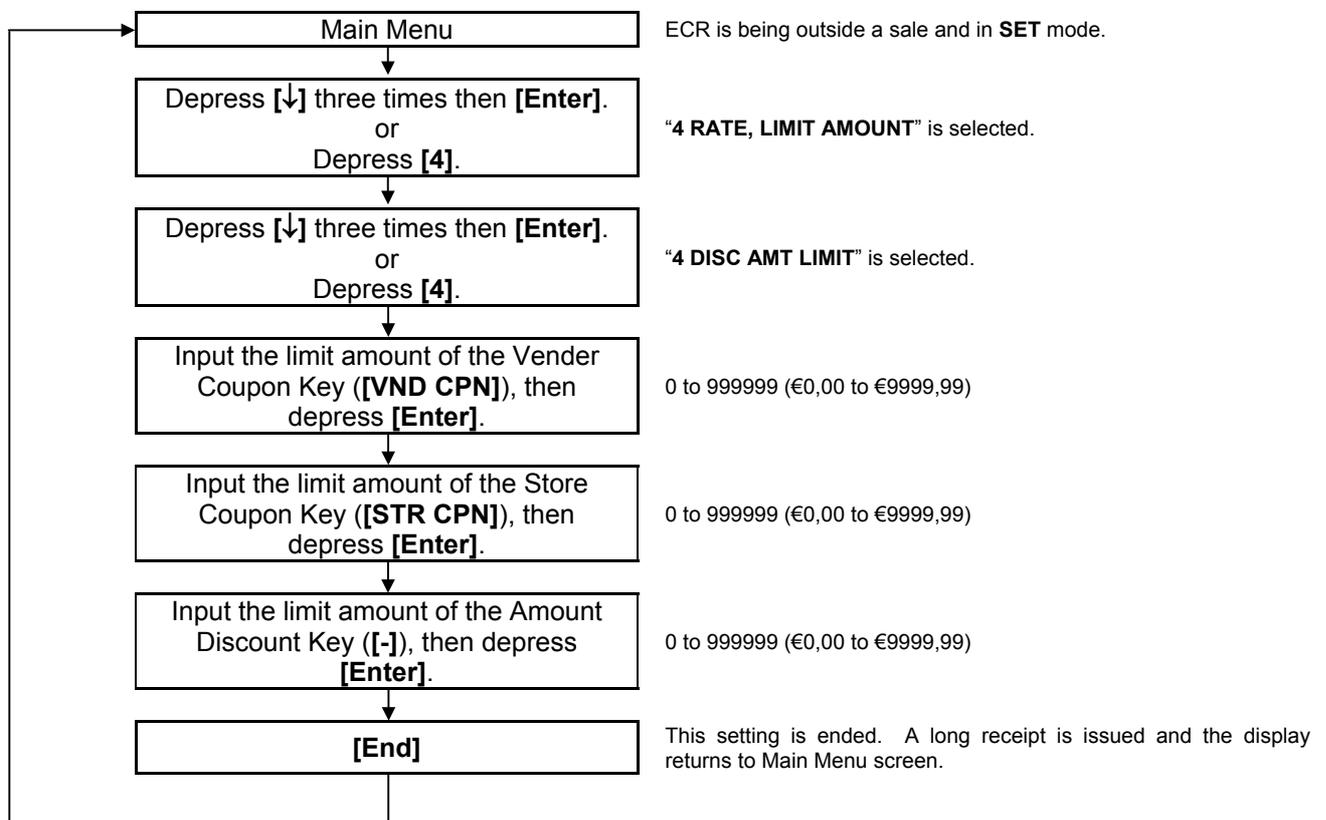
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



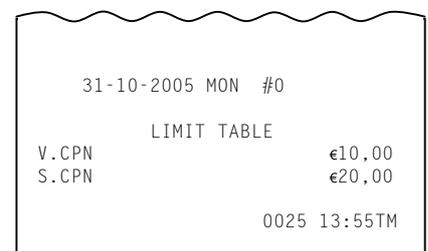
- NOTES:**
1. The **[VND CPN]** key will not be restricted by the limit amount set here but the amount up to 7 digits will be entered in **MGR** or **[-]** mode.
 2. The limit amount set here cannot be released by the **[LC OPEN]** (or **[OPEN]**) key in transaction entries.

3) Example

To set the following preset amount on the keys below:

Key	Limit Amount
[VND CPN]	10.00
[STR CPN]	20.00

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key three times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "4 RATE, LIMIT AMOUNT".
Depress the [4] or [Enter] key.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	"4 RATE, LIMIT AMOUNT" is selected.
Depress the [↓] key three times.	<pre> 1 %- RATE (%-/%+) SET 2 VAT/TAX RATE 3 CUR EXCHANGE RATE 4 DISC AMT LIMIT 0 </pre>	The cursor is moved on to "4 DISC AMT LIMIT".
Depress the [4] or [Enter] key.	<pre> 1 %- RATE (%-/%+) SET 2 VAT/TAX RATE 3 CUR EXCHANGE RATE 4 DISC AMT LIMIT 0 </pre>	"4 DISC AMT LIMIT" is selected.
Input 1000 , then depress the [Enter] key. (The limit amount of the [VND CPN] key is set.)	<pre> DISC AMT LIMIT ? 01VND CPN [0,00] % 02STR CPN [0,00] % 03 [0,00] % 0 </pre> <pre> DISC AMT LIMIT ? 01VND CPN [10,00] % 02STR CPN [0,00] % 03 [0,00] % 0 </pre>	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.
Input 2000 , then depress the [Enter] key. (The limit amount of the [STR CPN] key is set.)	<pre> DISC AMT LIMIT ? 02STR CPN [20,00] % 03 [0,00] % 04- [0,00] % 0 </pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

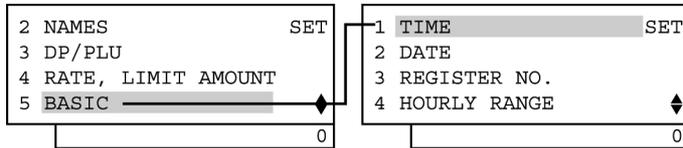


6.30 Time Setting or Adjustment

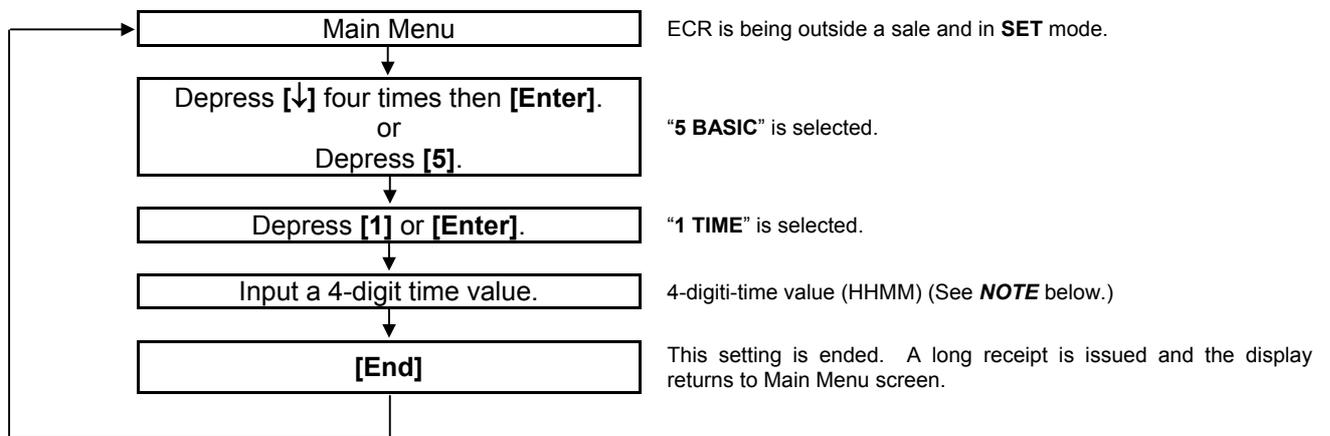
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTE: If an hour value of more than 23 or a minute value of more than 59 is entered, the current data remains unchanged by setting or adjusting the time.

3) Example

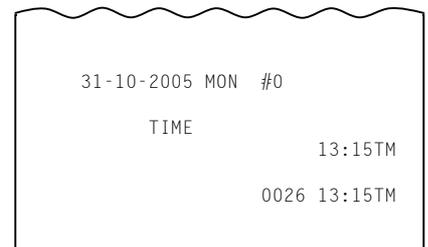
To set time "1:15 p.m. (13:15)"

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key four times.		The cursor is moved on to "5 BASIC".
Depress the [5] or [Enter] key.		"5 BASIC" is selected.
Depress the [1] or [Enter] key.		"1 TIME" is selected.

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Operation	LCD Display	Remarks
Input 1315.	<pre> ENTER A 4-DIGIT TIME VALUE (HOUR: 00 TO 23 + MINUTE: 00 TO 59) AND PRESS [END] . </pre>	The time "13:15" is set.
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT </pre>	A long receipt is issued and the display returns to Main Menu screen.

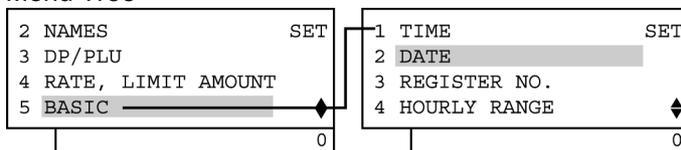


6.31 Date Setting or Adjustment

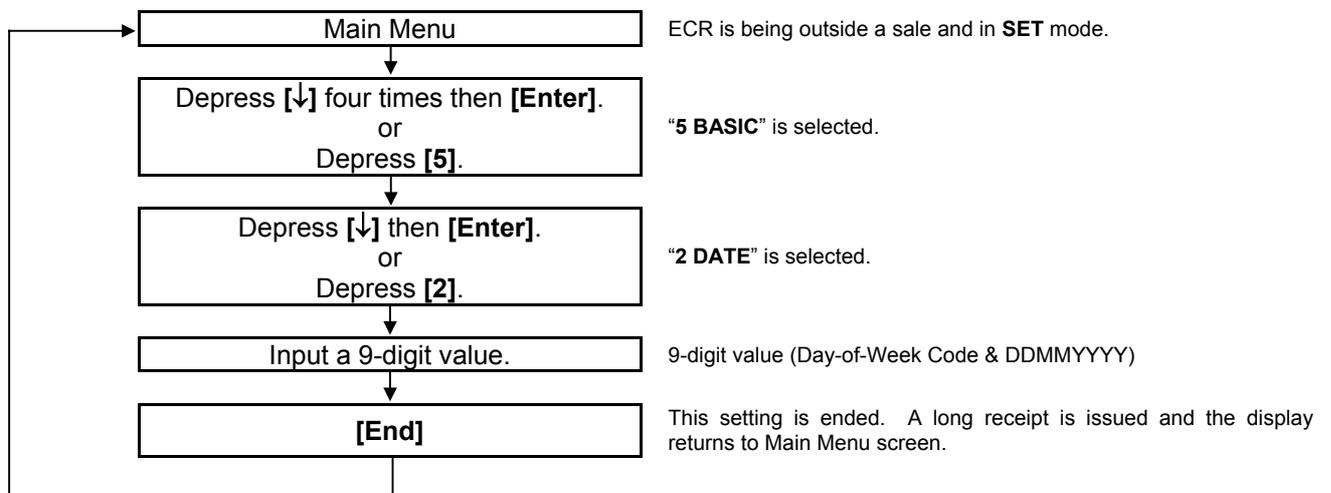
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



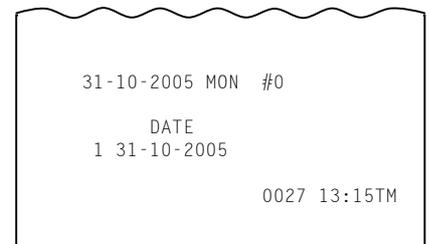
2) Operation Flowchart



NOTE: The date entry order may be Month-Day-Year or Year-Month-Day instead of Day-Month-Year if so selected in the system option. The "Day-Month-Year" is set as default.

3) Example
To set Date "Monday 31 October, 2005"

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key four times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to " 5 BASIC ".
Depress the [5] or [Enter] key.	<pre> 2 NAMES SET 3 DP/PLU 4 RATE, LIMIT AMOUNT 5 BASIC 0 </pre>	" 5 BASIC " is selected.
Depress the [↓] key.	<pre> 1 TIME SET 2 DATE 3 REGISTER NO. 4 HOURLY RANGE 0 </pre>	The cursor is moved on to " 2 DATE ".
Depress the [2] or [Enter] key.	<pre> 1 TIME SET 2 DATE 3 REGISTER NO. 4 HOURLY RANGE 0 </pre>	" 2 DATE " is selected.
Depress the [↓] key.	<pre> ENTER A 9-DIGIT VALUE, (DAY-OF-WEEK CODE:1, DAY:2, MONTH:2, YEAR:4) AND PRESS [END]. 0 </pre>	
Input 131102005 .	<pre> THE DAY-OF-WEEK CODES ARE AS FOLLOWS: SUN;0, MON;1, TUE;2, WED;3, THU;4, FRI;5, SAT;6 0 </pre>	<pre> 1 31 10 2005 | | 31 October, 2005 Day-of Week Code: 1=Monday </pre>
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.



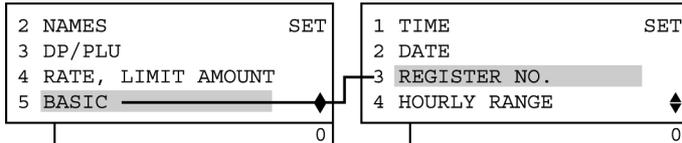
6.32 Store/Register No. Setting

A maximum of 6 digits may be set as ID No. for the store and/or register. And once set, it will be printed on every receipt.

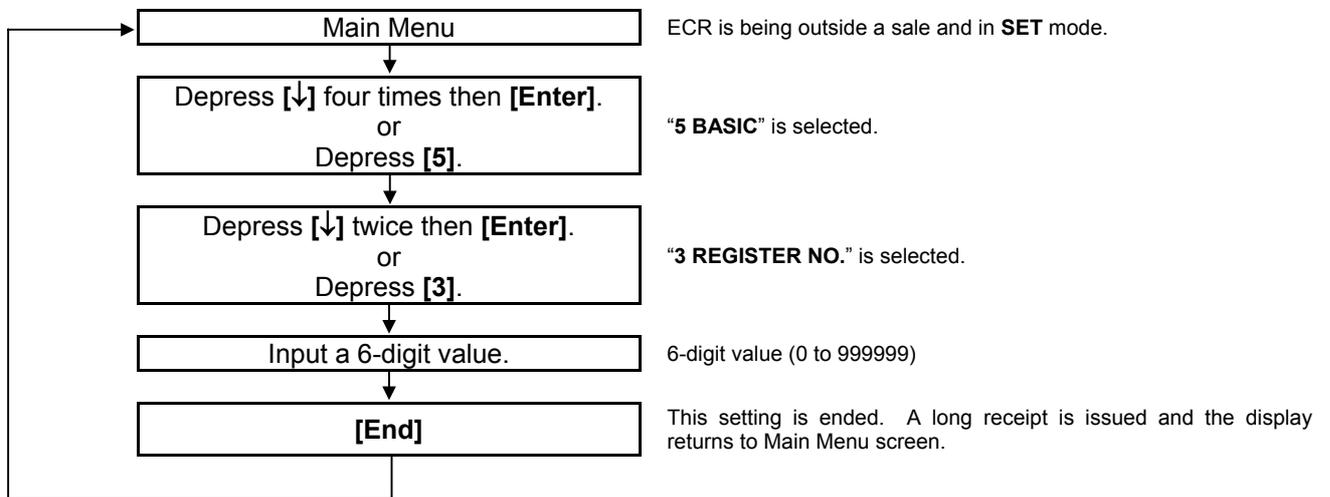
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTE: The preceding zeros, if entered, will not be printed. For example, if "001234" is entered in the above operation, "#1234" will always be printed as the Register No.

3) Example

To set the Register No. of this ECR 3001

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key four times.		The cursor is moved on to " 5 BASIC ".
Depress the [5] or [Enter] key.		" 5 BASIC " is selected.

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Operation	LCD Display	Remarks
Depress the [↓] key twice.	<pre> 1 TIME SET 2 DATE 3 REGISTER NO. 4 HOURLY RANGE ◆ 0 </pre>	The cursor is moved on to "3 REGISTER NO." .
Depress the [3] or [Enter] key.	<pre> 1 TIME SET 2 DATE 3 REGISTER NO. 4 HOURLY RANGE ◆ 0 </pre>	"3 REGISTER NO." is selected.
Input 3001 . (Store/Register No. 3001 is set.)	<pre> ENTER A MAX 6-DIGIT REGISTER NO. AND PRESS [END] . ◆ 0 </pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT ◆ 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #0

REG No.
#3001

0028 13:17TM
    
```

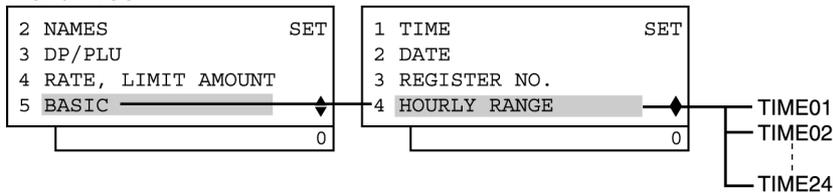
6.33 Hourly Range Table Setting

By setting a maximum of 24 terms per day, sales data control for each term can be performed.

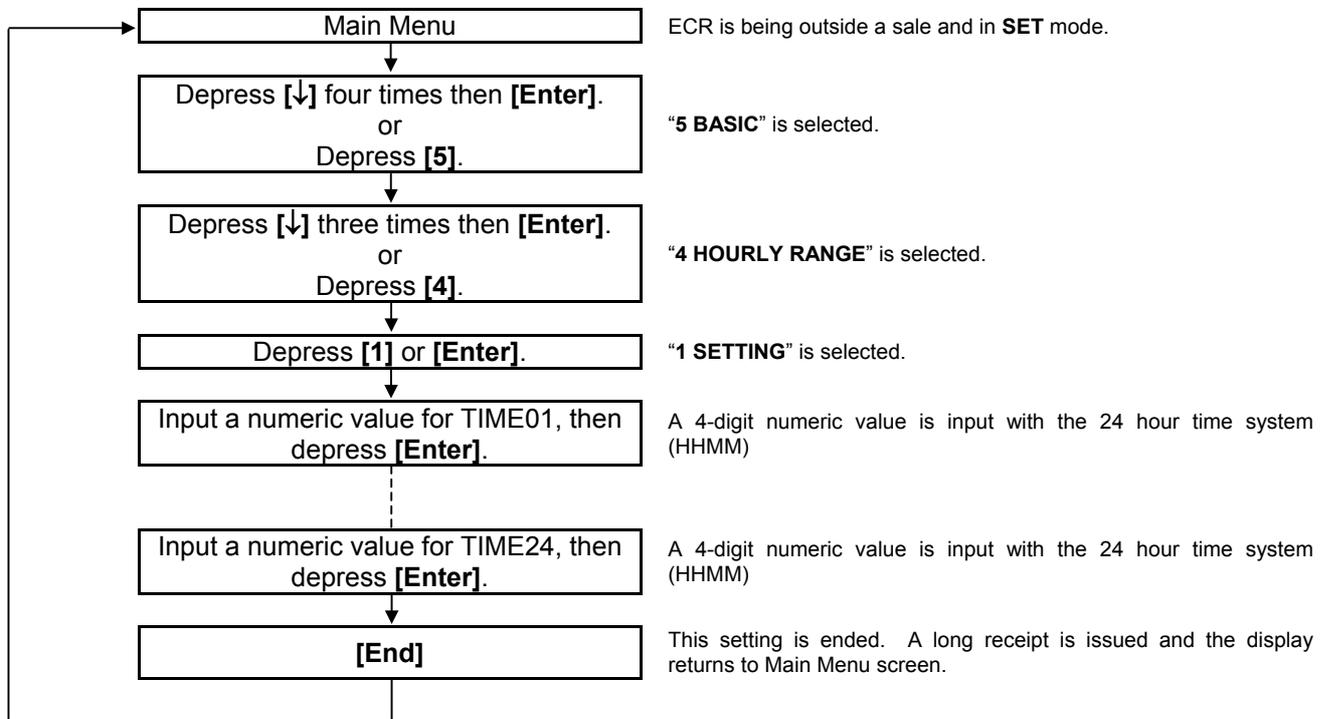
CONDITION After Hourly Range Reset

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTES:

1. A maximum of 24 terms can be set per day.
2. To partially or entirely change the hourly range table once set, do the entire setting operation over again.
3. Do not set a term across 24:00, such as "23:00 to 1:00".
4. After performing a RAM Clear, the hourly range table is set with hourly terms in the range of 7:00 to 23:00.

3) Example

To set the following hourly range table:

TIME01 until 8:00*

TIME02 8:00 to 12:00

TIME03 12:00 to 15:00

TIME04 15:00 to 19:00

*(The first term is automatically continued from 19:00 of the preceding day.)

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key four times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "5 BASIC".
Depress the [5] or [Enter] key.	<pre> 2 NAMES SET 3 DP/PLU 4 RATE, LIMIT AMOUNT 5 BASIC 0 </pre>	"5 BASIC" is selected.
Depress the [↓] key three times.	<pre> 1 TIME SET 2 DATE 3 REGISTER NO. 4 HOURLY RANGE 0 </pre>	The cursor is moved on to "4 HOURLY RANGE".
Depress the [4] or [Enter] key.	<pre> 1 TIME SET 2 DATE 3 REGISTER NO. 4 HOURLY RANGE 0 </pre>	"4 HOURLY RANGE" is selected.
Depress the [1] or [Enter] key.	<pre> 1 SETTING 2 RESET 0 </pre>	"1 SETTING" is selected.
Input 0800 , then depress the [Enter] key. (TIME01 is set with 8:00.)	<pre> HOURLY RANGE TIME01 [8] h[00] m TIME02 [] h[] m TIME03 [] h[] m 0 </pre>	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display. <pre> ENTER A 4-DIGIT TIME VALUE (HOUR: 00 TO 23 + MINUTE: 00 TO 59) AND PRESS [ENTER]. 0 </pre>
Input 1200 , then depress the [Enter] key. (TIME02 is set with 12:00.)	<pre> HOURLY RANGE TIME01 [8] h[00] m TIME02 [12] h[00] m TIME03 [] h[] m 0 </pre>	

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Operation	LCD Display	Remarks
Input 1500 , then depress the [Enter] key. (TIME03 is set with 15:00.)	<pre> HOURLY RANGE TIME02 [12] h[00] m TIME03 [15] h[00] m TIME04 [] h[] m </pre>	
Input 1900 , then depress the [Enter] key. (TIME04 is set with 19:00.)	<pre> HOURLY RANGE TIME03 [15] h[00] m TIME04 [19] h[00] m TIME05 [] h[] m </pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT </pre>	A long receipt is issued and the display returns to Main Menu screen.

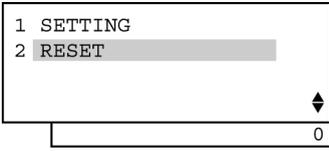
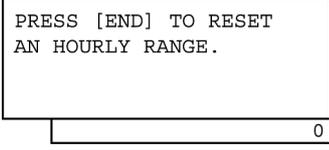
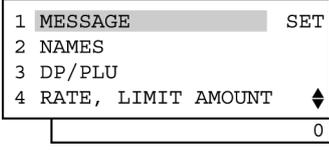
• **Hourly Range Table Resetting Procedure**

If the hourly range table is reset, follow the procedure below.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key four times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT </pre>	The cursor is moved on to "5 BASIC" .
Depress the [5] or [Enter] key.	<pre> 2 NAMES SET 3 DP/PLU 4 RATE, LIMIT AMOUNT 5 BASIC </pre>	"5 BASIC" is selected.
Depress the [↓] key three times.	<pre> 1 TIME SET 2 DATE 3 REGISTER NO. 4 HOURLY RANGE </pre>	The cursor is moved on to "4 HOURLY RANGE" .
Depress the [4] or [Enter] key.	<pre> 1 TIME SET 2 DATE 3 REGISTER NO. 4 HOURLY RANGE </pre>	"4 HOURLY RANGE" is selected.
Depress the [↓] key.	<pre> 1 SETTING 2 RESET </pre>	The cursor is moved on to "2 RESET" .

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Operation	LCD Display	Remarks
Depress the [2] or [Enter] key.		"2 RESET" is selected.
A guidance message is displayed.		
The [End] key depression allows the ECR to end this setting.		A long receipt is issued and the display returns to Main Menu screen.

-- Receipt Sample of Hourly Range Table Setting --

-- Receipt Sample for Hourly Range Table Resetting --

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #3001

HOURLY
08:00TM
12:00TM
15:00TM
19:00TM

0029 13:19TM
    
```

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #3001

HOURLY

0030 13:21TM
    
```

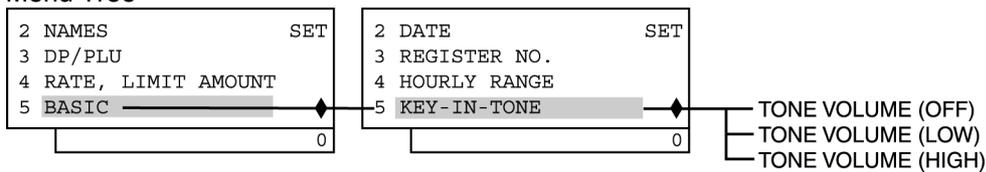
6.34 Tone Volume Setting

Key-in tone for the ECR keyboard and error tone are selectable from High, Low, and OFF.

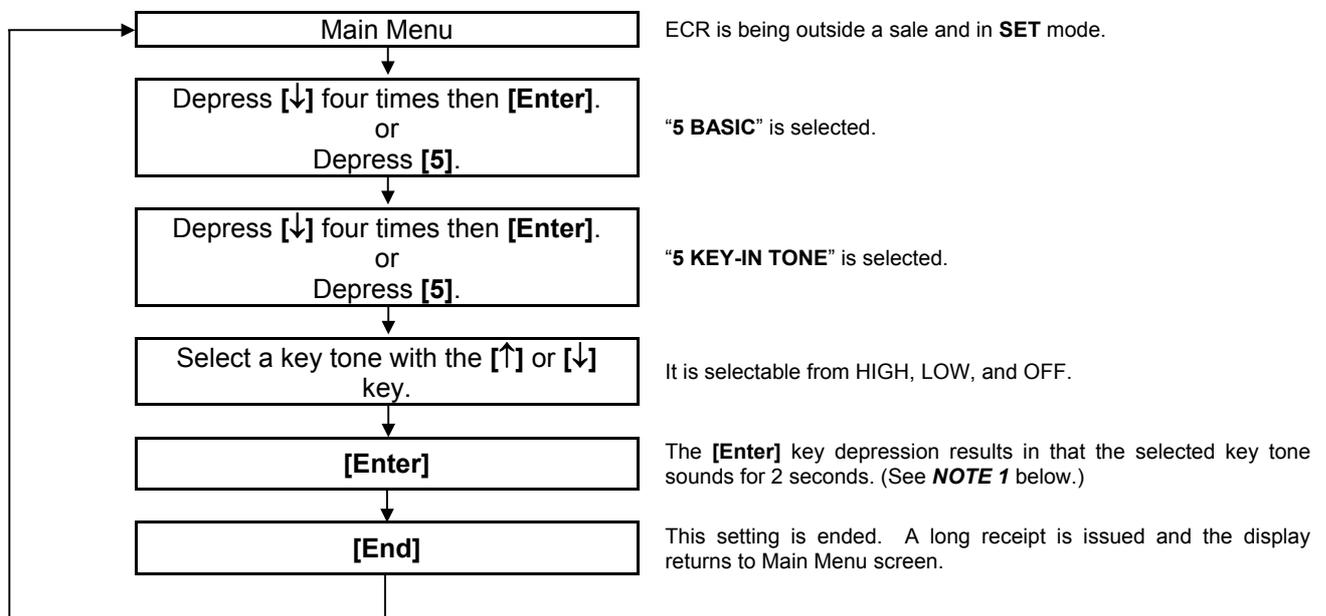
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTES:

1. The [Enter] key depression results in that the selected key tone sounds for 2 seconds. When the key tone "OFF" is selected, no sound occurs.
2. After performing a RAM Clear, the key tone "HIGH" is set as standard.

3) Example

To change the key tone from "HIGH" (default setting) to "LOW".

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key four times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "5 BASIC".
Depress the [5] or [Enter] key.	<pre> 2 NAMES SET 3 DP/PLU 4 RATE, LIMIT AMOUNT 5 BASIC 0 </pre>	"5 BASIC" is selected.
Depress the [↓] key four times.	<pre> 1 TIME SET 2 DATE 3 REGISTER NO. 4 HOURLY RANGE 0 </pre>	The cursor is moved on to "5 KEY-IN TONE".
Depress the [5] or [Enter] key.	<pre> 2 DATE SET 3 REGISTER NO. 4 HOURLY RANGE 5 KEY-IN TONE 0 </pre>	"5 KEY-IN TONE" is selected.
Depress the [↑] key.	<pre> KEY-IN TONE 0 TONE VOLUME (OFF) 1 TONE VOLUME (LOW) 2 TONE VOLUME (HIGH) 0 </pre>	The cursor is moved on to "1 TONE VOLUME (LOW)".
Depress the [1] or [Enter] key.	<pre> KEY-IN TONE 0 TONE VOLUME (OFF) 1 TONE VOLUME (LOW) 2 TONE VOLUME (HIGH) 0 </pre>	"1 TONE VOLUME (LOW)" is selected.
The selected key tone sounds for 2 seconds.	<pre> THE TONE VOLUME HAS BEEN SET TO LOW. PRESS [END] TO EXIT. 0 </pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

31-10-2005 MON #3001
KEY TONE
TONE VOLUME (LOW)
0031 13:23TM

```

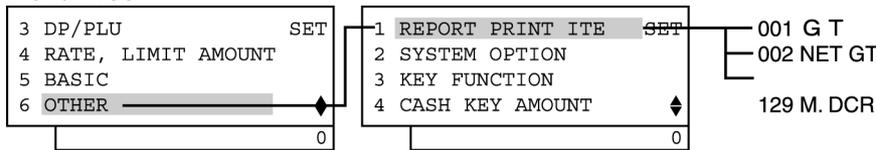
6.35 Report Item Print/Non-Print Setting

Items to be printed on Financial, Cashier, and Salesperson Reports are set here.

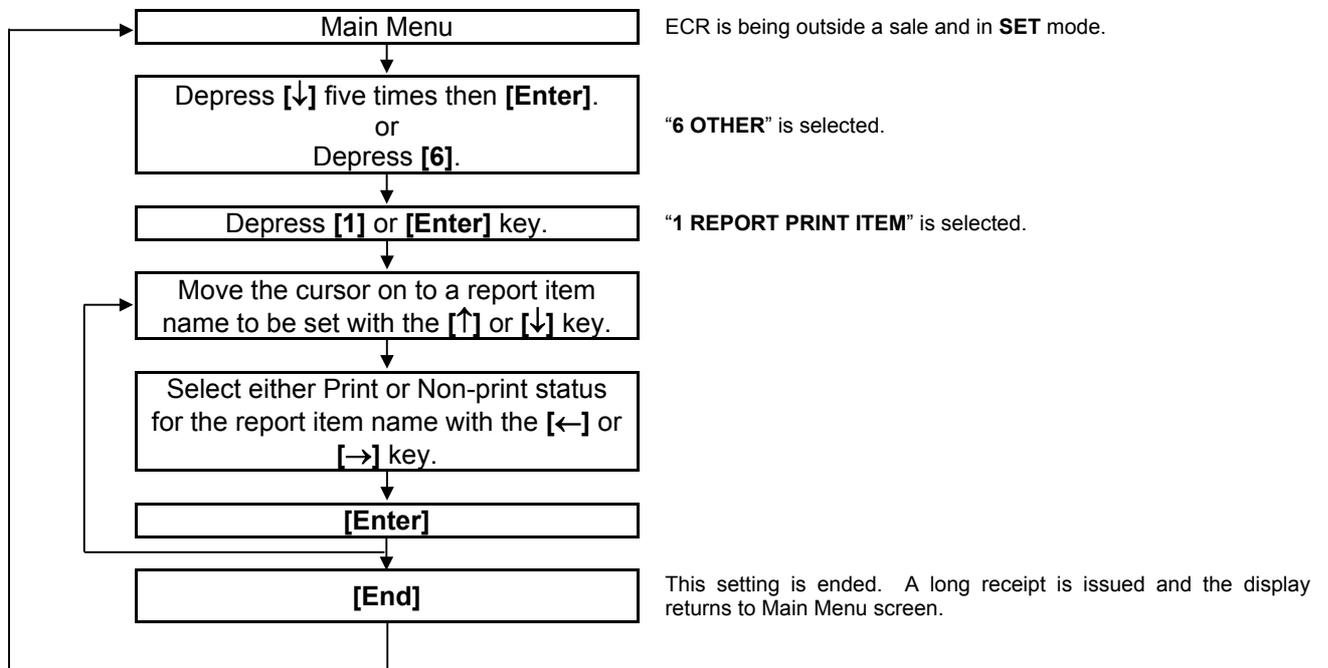
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTES:

1. Items which are set with Print status will be printed on the reports. They are not affected by the open/close status of the key.
2. Financial report item names are programmed in **Section 6.14 Financial Report Item Name Programming**.
3. All item names are set with Print status after performing a RAM Clear.
4. When the open/close status of the key is changed in the SFKC Programming, perform this setting again to set the print/non-print status of the corresponding key.

- 3) Example
To set Item Code 3 "NEG GT" with Non-print status.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key five times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "6 OTHER".
Depress the [6] or [Enter] key.	<pre> 3 DP/PLU SET 4 RATE, LIMIT AMOUNT 5 BASIC 6 OTHER 0 </pre>	"6 OTHER" is selected.
Depress the [1] or [Enter] key.	<pre> 1 REPORT PRINT ITEM SET 2 SYSTEM OPTION 3 KEY FUNCTION 4 CASH KEY AMOUNT 0 </pre>	"1 REPORT PRINT ITEM" is selected.
Depress the [↓] key twice. (Item Code 3 ("NEG GT") is selected.)	<pre> REPORT PRINT ITEM ? 001G T Y 002NET GT Y 003NEG GT Y 0 </pre>	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.
Select either Print or Non-print status with the [←] or [→] key.	<pre> REPORT PRINT ITEM ? 001G T Y 002NET GT Y 003NEG GT N 0 </pre>	The status reverses between Y and N with the [←] or [→] key.
The [Enter] key depression results in that the setting data is entered.	<pre> REPORT PRINT ITEM ? 002NET GT Y 003NEG GT N 004G S Y 0 </pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #3001

REPORT PRINT
#003 NEG GT 0
#003 NEG GT 1

0032 13:25TM
                    
```

Report Item Name Table

Item Code	Item Name	Standard Program												
		G	T											
1	Ground Total	G	T											
2	NET GT	N	E	T		G	T							
3	NEG GT	N	E	G		G	T							
4	Gross Sale	G	S											
5	Tax 1 (Add-on Tax 1)	T	A	X	1									
6	Tax 2 (Add-on Tax 2)	T	A	X	2									
7	Tax 3 (Add-on Tax 3)	T	A	X	3									
8	Tax 4 (Add-on Tax 4)	T	A	X	4									
9	Tax 5 (Add-on Tax 5)	T	A	X	5									
10	Tax 6 (Add-on Tax 6)	T	A	X	6									
11	Tax 7 (Add-on Tax 7)	T	A	X	7									
12	Tax 8 (Add-on Tax 8)	T	A	X	8									
13	Tax Total	T	A	X		T	L							
14	Net Sale with Tax	N	S											
15	% I (usually %+)	%	+											
16	% II (usually %-)	%	-											
17	Vendor Coupon	V	.	C	P	N								
18	Amount Discount	D	I	S	C									
19	Negative Depts. Total	-	D	P		T	L							
20	Special Round Fractions	S	P	.	R	N	D							
21	Net Sale (All-Media Sales)	N	S											
22	Cash Sales (AT/TL)	C	A	S	H									
23	Media 1 Sales (CHK)	C	H	E	C	K								
24	Media 2 Sales (CRT)	C	R	T										
25	Media 3 Sales (MISC)	M	I	S	C									
26	Media 4 Sales (CPN)	C	P	N										
27	Media 5 Sales (Credit 1)	C	R	T		T	L	1						
28	Media 6 Sales (Credit 2)	C	R	T		T	L	2						
28	Media 7 Sales (Credit 3)	C	R	T		T	L	3						
30	Media 8 Sales (Credit 4)	C	R	T		T	L	4						
31	Media 9 Sales (Credit 5)	C	R	T		T	L	5						
32	Received-on-Account	R	/	A										
33	Paid-Out	P	O											
34	Cash-in-drawer	C	A	S	H		I	D						
35	Cash-in-drawer (Foreign Currency 1)	C	A	S	H		C	U	R	1		I	D	
36	Cash-in-drawer (Foreign Currency 2)	C	A	S	H		C	U	R	2		I	D	
37	Cash-in-drawer (Foreign Currency 3)	C	A	S	H		C	U	R	3		I	D	
38	Cash-in-drawer (Foreign Currency 4)	C	A	S	H		C	U	R	4		I	D	
39	Cash-in-drawer (Foreign Currency 5)	C	A	S	H		C	U	R	5		I	D	
40	Media 1-in-drawer (CHK)	C	H	E	C	K		I	D					
41	Cheque-in-drawer (Foreign Currency 1)	C	K			C	U	R	1		I	D		
42	Cheque-in-drawer (Foreign Currency 2)	C	K			C	U	R	2		I	D		
43	Cheque-in-drawer (Foreign Currency 3)	C	K			C	U	R	3		I	D		
44	Cheque-in-drawer (Foreign Currency 4)	C	K			C	U	R	4		I	D		
45	Cheque-in-drawer (Foreign Currency 5)	C	K			C	U	R	5		I	D		

Report Item Name Table (Continued)

Item Code	Item Name	Standard Program											
46	Media 2-in-drawer (CRT)	C	R	T		I	D						
47	Credit-in-drawer (Foreign Currency 1)	C	R	T		C	U	R	1		I	D	
48	Credit-in-drawer (Foreign Currency 2)	C	R	T		C	U	R	2		I	D	
49	Credit-in-drawer (Foreign Currency 3)	C	R	T		C	U	R	3		I	D	
50	Credit-in-drawer (Foreign Currency 4)	C	R	T		C	U	R	4		I	D	
51	Credit-in-drawer (Foreign Currency 5)	C	R	T		C	U	R	5		I	D	
52	Media 3-in-drawer (MISC)	M	I	S	C		I	D					
53	MISC-in-drawer (Foreign Currency 1)	M	I	S	C		C	U	R	1		I	D
54	MISC-in-drawer (Foreign Currency 2)	M	I	S	C		C	U	R	2		I	D
55	MISC-in-drawer (Foreign Currency 3)	M	I	S	C		C	U	R	3		I	D
56	MISC-in-drawer (Foreign Currency 4)	M	I	S	C		C	U	R	4		I	D
57	MISC-in-drawer (Foreign Currency 5)	M	I	S	C		C	U	R	5		I	D
58	Media 4-in-drawer (CPN)	C	P	N		I	D						
59	Coupon-in-drawer (Foreign Currency 1)	C	P	N		C	U	R	1		I	D	
60	Coupon-in-drawer (Foreign Currency 2)	C	P	N		C	U	R	2		I	D	
61	Coupon-in-drawer (Foreign Currency 3)	C	P	N		C	U	R	3		I	D	
62	Coupon-in-drawer (Foreign Currency 4)	C	P	N		C	U	R	4		I	D	
63	Coupon-in-drawer (Foreign Currency 5)	C	P	N		C	U	R	5		I	D	
64	Media 5-in-drawer (Credit 1)	C	R	T		I	D	1					
65	Media 6-in-drawer (Credit 2)	C	R	T		I	D	2					
66	Media 7-in-drawer (Credit 3)	C	R	T		I	D	3					
67	Media 8-in-drawer (Credit 4)	C	R	T		I	D	4					
68	Media 9-in-drawer (Credit 5)	C	R	T		I	D	5					
69	Cash-in-drawer Difference	C	A	S	H		D	I	F				
70	Media 1-in-drawer Difference	C	K		D	I	F						
71	Media 2-in-drawer Difference	C	R	T		D	I	F					
72	Media 3-in-drawer Difference	M	I	S	C		D	I	F				
73	Media 4-in-drawer Difference	C	P	N		D	I	F					
74	Media 5-in-drawer Difference	C	R	T	1		D	I	F				
75	Media 6-in-drawer Difference	C	R	T	2		D	I	F				
76	Media 7-in-drawer Difference	C	R	T	3		D	I	F				
77	Media 8-in-drawer Difference	C	R	T	4		D	I	F				
78	Media 9-in-drawer Difference	C	R	T	5		D	I	F				
79	Item Correct	C	O	R	R								
80	Void	V	O	I	D								
81	Misc. Void	M	I	S	C		V	D					
82	All Void	A	L	L		V	D						
83	Store Coupon	S	.	C	P	N							
84	Returned Merchandise	R	T	N									
85	Negative Mode Total	R	E	G	-								
86	%- on Line Items	%	-										
87	Amount Discount on Line Items	D	I	S	C								
88	Transfer Balance GT	T	R	F		T	L						
89	Transfer + GT	T	R	F	+	G	T						
90	Transfer - GT	T	R	F	-	G	T						

Report Item Name Table (Continued)

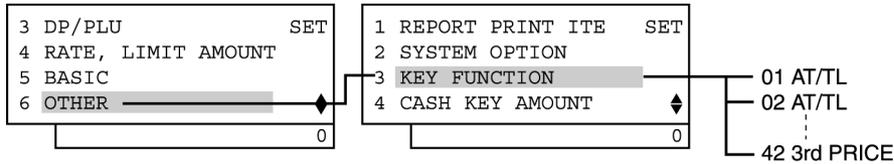
Item Code	Item Name	Standard Program												
		T	R	F	+									
91	Transfer + Daily	T	R	F	+									
92	Transfer – Daily	T	R	F	-									
93	PB (Previous Balance) Sales	P	B		T	L								
94	PB R/A (PB Paid)	P	B		R	/	A							
95	PB PO (PB Refunded)	P	B		P	O								
96	Taxable Total 1	T	X	B	L	1								
97	VAT 1 or Tax 1	V	A	T	1									
98	Taxable Total 2	T	X	B	L	2								
99	VAT 2 or Tax 2	V	A	T	2									
100	Taxable Total 3	T	X	B	L	3								
101	VAT 3 or Tax 3	V	A	T	3									
102	Taxable Total 4	T	X	B	L	4								
103	VAT 4 or Tax 4	V	A	T	4									
104	Taxable Total 5	T	X	B	L	5								
105	VAT 5 or Tax 5	V	A	T	5									
106	Taxable Total 6	T	X	B	L	6								
107	VAT 6 or Tax 6	V	A	T	6									
108	Taxable Total 7	T	X	B	L	7								
109	VAT 7 or Tax 7	V	A	T	7									
110	Taxable Total 8	T	X	B	L	8								
111	VAT 8 or Tax 8	V	A	T	8									
112	VAT Total	V	A	T		T	L							
113	Net Sale Without Tax	N						N	S					
114	Tax-exempt Customer	V	A	T		E	X							
115	VAT 1 or Tax 1 Exempt	V	A	T	1	E	X							
116	VAT 2 or Tax 2 Exempt	V	A	T	2	E	X							
117	VAT 3 or Tax 3 Exempt	V	A	T	3	E	X							
118	VAT 4 or Tax 4 Exempt	V	A	T	4	E	X							
119	VAT 5 or Tax 5 Exempt	V	A	T	5	E	X							
120	VAT 6 or Tax 6 Exempt	V	A	T	6	E	X							
121	VAT 7 or Tax 7 Exempt	V	A	T	7	E	X							
122	VAT 8 or Tax 8 Exempt	V	A	T	8	E	X							
123	Sales Item Count per Customer	I	T	E	M	/	C	U	S					
124	Sales Amount per Customer	T	L			/	C	U	S					
125	No-Sale Counter	N	O		S	A	L	E						
126	[C] key Counter	C	L	E	A	R								
127	Consignment Counter	C	O	N	S	I	G	N		C	T	R		
128	Validation Counter	V	A	L	I		C	T	R					
129	Money Declaration Counter	M	.	D	C	R								
130	-- vacant --													

6.36 Key Status Programming

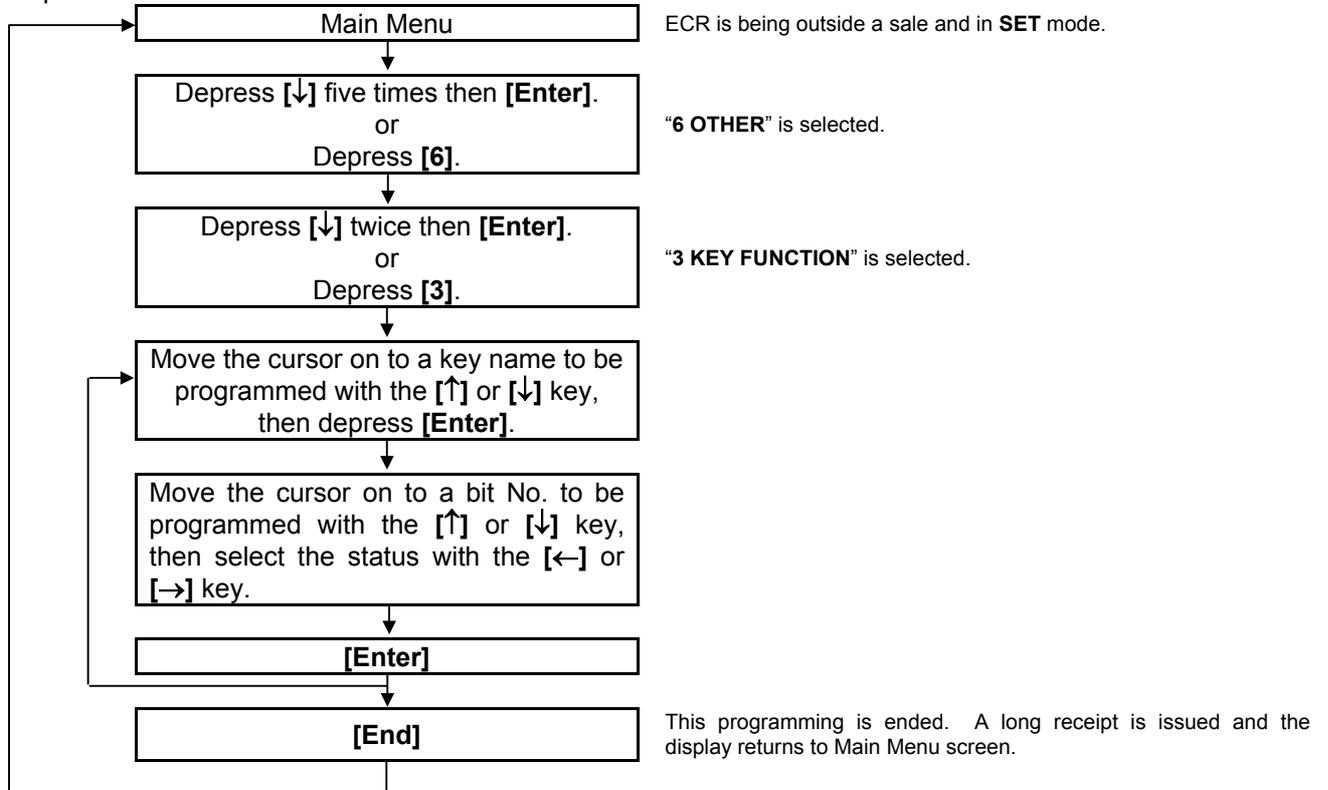
Various selective statuses of media keys and other function keys are programmed here.

- CONDITION** Any time outside a sale
- OPERATION** Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



3) Example)

To change Bit No. 2 status of Key Code 3 (**[CHK TEND]**) from SET to RESET.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key five times.		The cursor is moved on to "6 OTHER".
Depress the [6] or [Enter] key.		"6 OTHER" is selected.

(continued on the next page)

(continued from the previous page)

Operation	LCD Display	Remarks
Depress the [↓] key twice.	<pre> 1 REPORT PRINT ITEM SET 2 SYSTEM OPTION 3 KEY FUNCTION 4 CASH KEY AMOUNT 0 </pre>	The cursor is moved on to "3 KEY FUNCTION".
Depress the [3] or [Enter] key.	<pre> 1 REPORT PRINT ITEM SET 2 SYSTEM OPTION 3 KEY FUNCTION 4 CASH KEY AMOUNT 0 </pre>	"3 KEY FUNCTION" is selected.
Depress the [↓] key twice.	<pre> KEY FUNCTION ? 01AT/TL 02AT/TL 03CHECK 0 </pre>	The cursor is moved on to "03 CHECK".
Depress the [Enter] key. (Key Code 3 "CHECK" is selected.)	<pre> KEY FUNCTION ? 01AT/TL 02AT/TL 03CHECK 27 </pre>	"03 CHECK" is selected.
Depress the [↓] key, then depress the [→] key.	<pre> CHECK ? B1TOTAL ONLY N B2TEND ONLY Y B3 27 CHECK ? B1TOTAL ONLY N B2TEND ONLY N B3 7 </pre>	<p>While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.</p> <div data-bbox="1098 1176 1433 1321" style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <pre> REVERSE Y (SELECT) OR N (NOT-SELECT) WITH [←]/ [→]. PRESS [ENTER] AFTER SETTING ALL ITEMS. 27 </pre> </div> <p>The Bit Nos. currently programmed are displayed on the 7-segment numeric display. By the [→] key depression, Bit No. 2 status is changed from "Y" to "N".</p>
Depress the [Enter] key.	<pre> KEY FUNCTION ? 02AT/TL 03CHECK 04CHECK 0 </pre>	
The [End] key depression allows the ECR to end this programming.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

31-10-2005 MON #3001
KEY STATUS
#03-----7
0033 13:27TM
                    
```

Key Status Table (Key Code 1 to 20)

Bit No.	Function	SET	RESET
1	TOTAL-only	TOTAL-only key	If both SET or RESET: TOTAL and TENDER
2	TENDER-only	TENDER-only key	
3	-- vacant bit --		
4	SHORT TENDERING	Prohibited	Allowed
5	OVER TENDERING	Prohibited	Allowed
6	-- vacant bit --		
7	NO-PURCHASE CASHING	Allowed	Prohibited
8	FINALIZING R/A ITEMS	Prohibited	Allowed
1	CONSIGNMENT	Compulsory	Free
2	-- vacant bit --		
3	DRAWER OPEN AFTER THE KEY OPERATION (see NOTE below)	Not Open	Open

Key Name	Key Code	1	2	3	4	5	6	7	8	1	2	3
[AT/TL]	1	R	R		R							
	2									R		
[CHK TEND]	3	R	S		R	R		S	R			
	4									R	R	R
[CRT]	5	S	R		R	R		R	S			
	6									R	R	R
[MISK TEND]	7	R	S		R	R		R	R			
	8									R	R	R
[CPN]	9	R	S		R	S		R	R			
	10									R	R	R
[CREDIT 1]	11	S	R		R	R		R	S			
	12									R	R	R
[CREDIT 2]	13	S	R		R	R		R	S			
	14									R	R	R
[CREDIT 3]	15	S	R		R	R		R	S			
	16									R	R	R
[CREDIT 4]	17	S	R		R	R		R	S			
	18									R	R	R
[CREDIT 5]	19	S	R		R	R		R	S			
	20									R	R	R

NOTE: Regardless of this bit status selection, the drawer opens on over-tendering operation, but does not open on short-tendering operation.

Description of symbol in the above table:

R = RESET Status
S = SET Status
 } Standard Bit status selection auto-preset after a RAM Clear.

Those bits marked with either "R" or "S" may be RESET or SET according to your requirements.

= Bit not applicable to the key (Those bits can be SET or RESET.)

Key Status Table (Key Code 21 to 42)

Bit No.	Function	SET	RESET
1	-- vacant bit --		
2	MGR INTERVENTION (in REG mode)	Compulsory	Free
3	ADD-ON TAX/VAT STATUS	All Taxes Taxable	Non-taxable
4	-- vacant bit --		
5	-- vacant bit --		
6	-- vacant bit --		
7	-- vacant bit --		
8	-- vacant bit --		

Key Name	Key Code	1	2	3	4	5	6	7	8
[-] (Disc)	21		R	S					
[VND CPN]	22		R	S					
[STR CPN]	23		R	S					
-- vacant --	24								
[% I]	25		R	S					
[% II]	26		R	S					
[RTN MDSE]	27		R						
-- vacant --	28								
[VOID]	29		R						
-- vacant --	30								
[PO]	31		R						
[NS]	32		R						
[PB-]	33		R						
[EX]	34		R						
-- vacant --	35								
[ALL VOID]	36		R						
-- vacant --	37								
-- vacant --	38								
-- vacant --	39								
[1st PRICE]	40		R						
[2nd PRICE]	41		R						
[3rd PRICE]	42		R						

Key Codes 43 to 45 are vacant.

NOTE: If RESET status is selected for the [STR CPN] key, the key will always be non-taxable regardless of the department tax status.

Description of symbol in the above table:

- R = RESET Status
 - S = SET Status
- } Standard Bit status selection auto-preset after a RAM Clear.

Those bits marked with either "R" or "S" may be RESET or SET according to your requirements.

= Bit not applicable to the key (Those bits can be SET or RESET.)

6.37 Cash Tender Key Preset Amount Setting

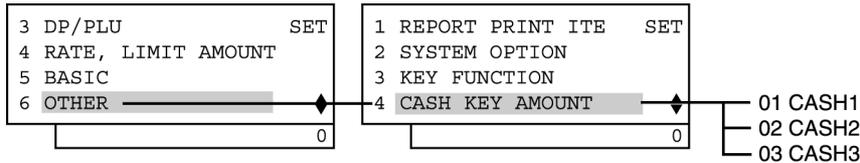
A maximum of 6-digit amount is preset to the Cash Key ([CASH 1] to [CASH 3]).

When depressing the cash key with preset amount in a registration operation, it will be processed as a tendering operation of the preset amount.

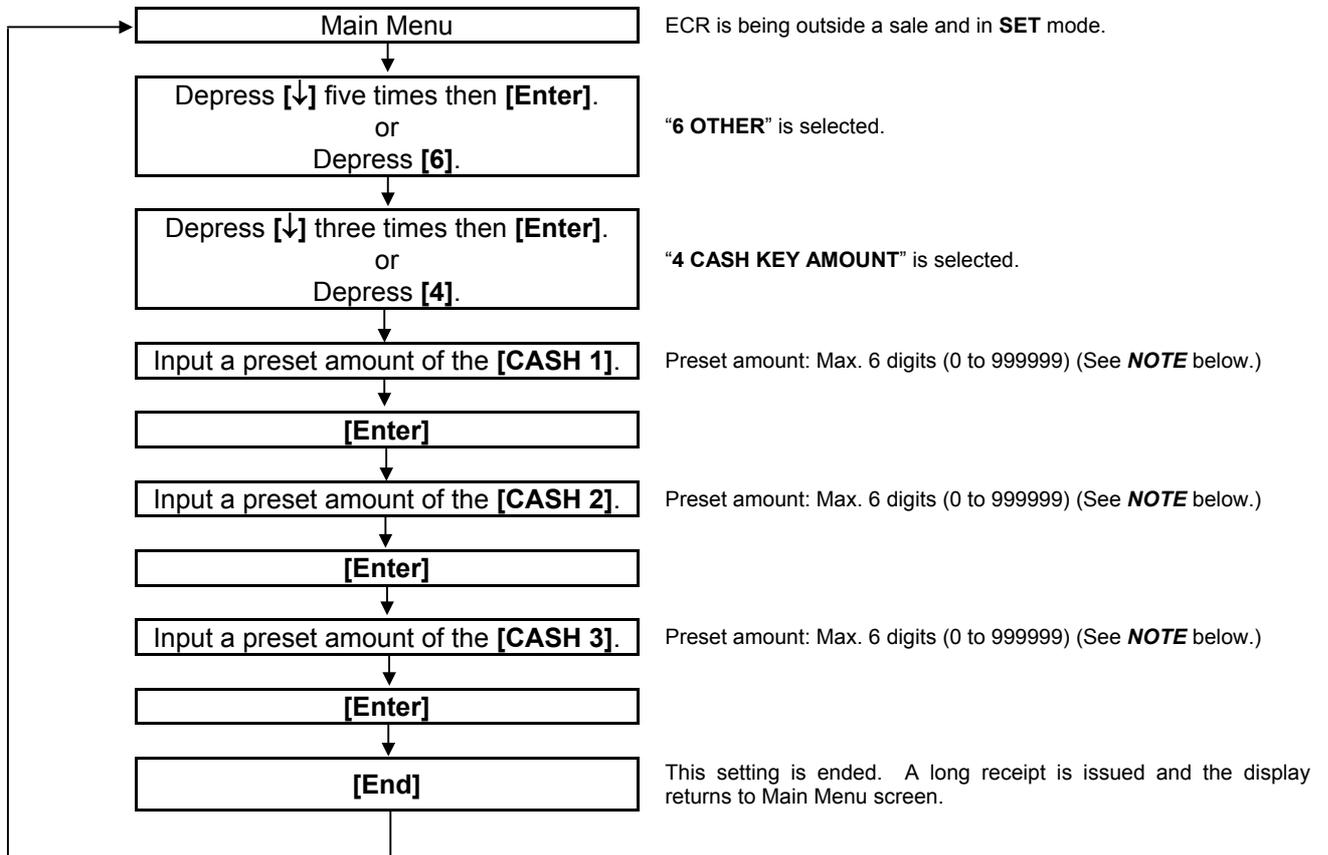
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart

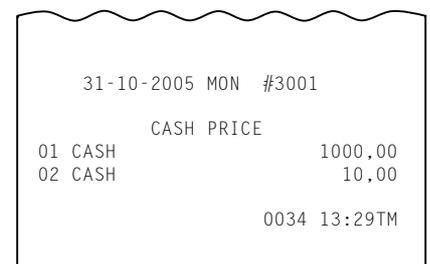


NOTE: When inputting "0", the preset amount will be reset. An operation of the cash key of which preset amount is reset may cause an error in a registration transaction.

3) Example

To preset €10000,00 to the [CASH 1] key and €10,00 to the [CASH 2] key.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key five times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "6 OTHER".
Depress the [6] or [Enter] key.	<pre> 3 DP/PLU SET 4 RATE, LIMIT AMOUNT 5 BASIC 6 OTHER 0 </pre>	"6 OTHER" is selected.
Depress the [↓] key three times.	<pre> 1 REPORT PRINT ITEM SET 2 SYSTEM OPTION 3 KEY FUNCTION 4 CASH KEY AMOUNT 0 </pre>	The cursor is moved on to "4 CASH KEY AMOUNT".
Depress the [4] or [Enter] key.	<pre> 1 REPORT PRINT ITEM SET 2 SYSTEM OPTION 3 KEY FUNCTION 4 CASH KEY AMOUNT 0 </pre>	"4 CASH KEY AMOUNT" is selected.
Input 100000 , then depress the [Enter] key. (The amount 1000,00 is preset to the [CASH 1] key.)	<pre> CASH KEY AMOUNT ? 01CASH1 [0] 02CASH2 [0] 03CASH3 [0] 0 CASH KEY AMOUNT ? 01CASH1 [1000,00] 02CASH2 [0] 03CASH3 [0] 0 </pre>	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.
Input 1000 , then depress the [Enter] key. (The amount 10,00 is preset to the [CASH 2] key.)	<pre> CASH KEY AMOUNT ? 01CASH1 [1000,00] 02CASH2 [10,00] 03CASH3 [0] 0 </pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.



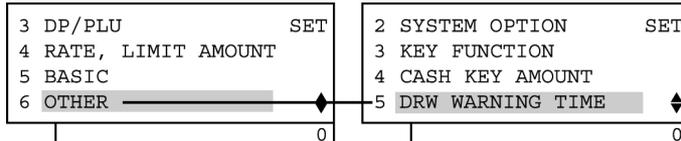
6.38 Drawer Warning Time Setting

This operation sets the number of seconds as the period of time for the cash drawer remaining open until the alarm buzzer is generated to warn operator to close the drawer.

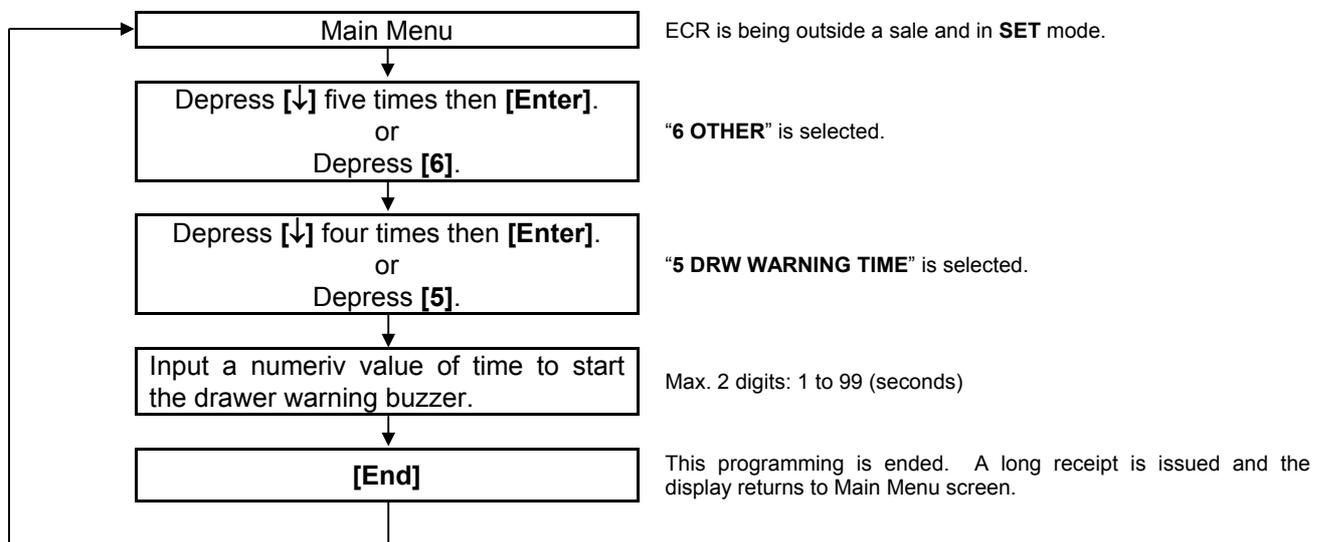
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTES:

- The value of 0 second cannot be set. (To cancel the drawer warning function, reset the warning option itself.)
- After a RAM Clear, the value of 15 seconds is set as the default setting.
- The setting here is effective only when the following are both selected in the system option programming:
Address No. 27 - Bit No. 1 SET: Drawer-close compulsory
Address No. 27 - Bit No. 2 SET: Drawer warning alarm ACTIVE
- The drawer warning error is cleared only by closing the drawer. This error cannot be cleared by turning the Mode Lock to any position.
- The drawer warning time is processed only in **REG**, **MGR**, and modes.

- 3) Example
To set 30 seconds for the drawer warning time.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key five times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to " 6 OTHER ".
Depress the [6] or [Enter] key.	<pre> 3 DP/PLU SET 4 RATE, LIMIT AMOUNT 5 BASIC 6 OTHER 0 </pre>	" 6 OTHER " is selected.
Depress the [↓] key four times.	<pre> 1 REPORT PRINT ITEM SET 2 SYSTEM OPTION 3 KEY FUNCTION 4 CASH KEY AMOUNT 0 </pre>	The cursor is moved on to " 5 DRW WARNING TIME ".
Depress the [5] or [Enter] key.	<pre> 2 SYSTEM OPTION SET 3 KEY FUNCTION 4 CASH KEY AMOUNT 5 DRW WARNING TIME 0 </pre>	" 5 DRW WARNING TIME " is selected.
Input 30 . (The drawer warning time is set to 30 seconds.)	<pre> ENTER A SECOND VALUE FROM 0 TO 99 AND PRESS [END]. 0 </pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #3001

DRAWER WNG          30
0035 13:31TM
    
```

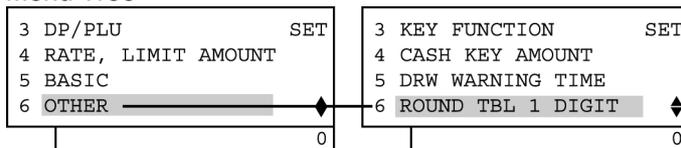
6.39 Special Rounding Process Setting, 1-digit type

For Special Rounding and Denmark/Australia rounding, the pre-rounded value of the least effective digit and the post-rounded value are set here. This operation is effective when the option "Special Rounding ACTIVE" and "1 digit subject to Special Rounding" are selected (System Option Address No. 33, Bit No. 3 SET & Bit No. 4 RESET).

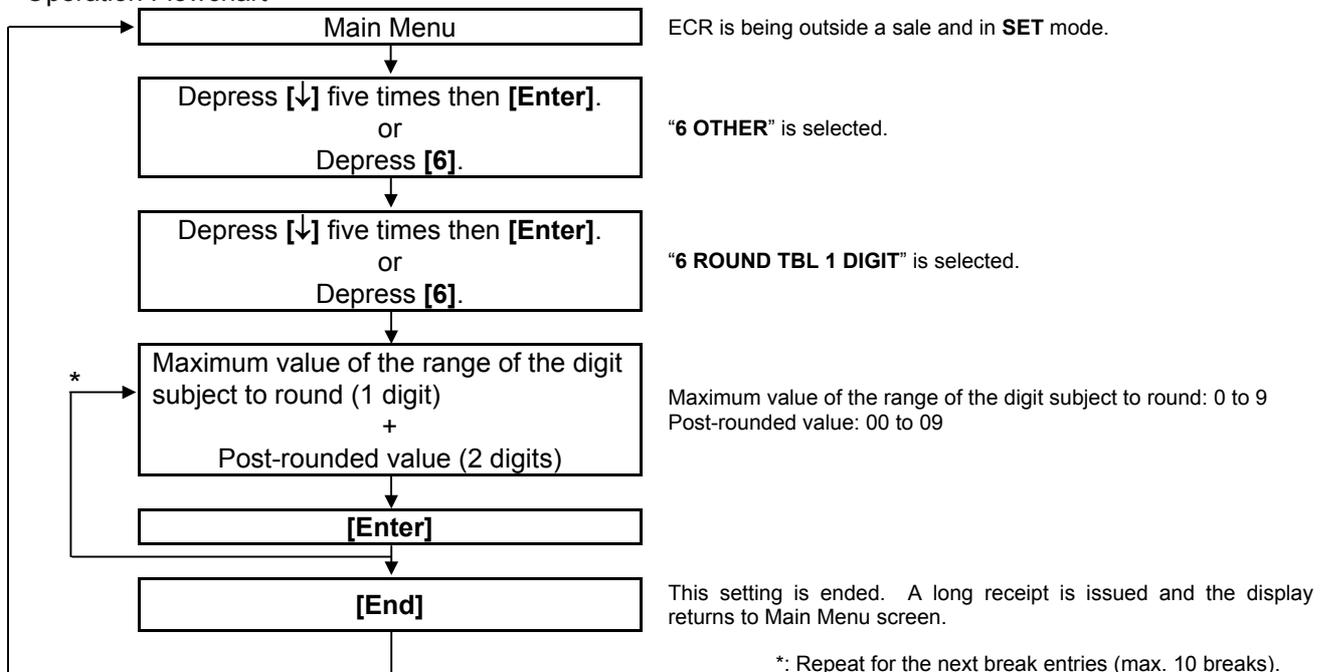
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTES:

- The values shown in the example below are default setting values after a RAM Clear.
- When the "Post-rounded Value" is to be 10 (i.e. the final break point), the break entry is automatically set (refer to the example below.). Therefore, it does not need to be entered. Entering a value larger 9 for the Post-rounded Value will not cause an error. However, the rounding process will occur only on the least effective digit in sales entries.
- A maximum of 10 breaks can be programmed.

3) Example

To set the following rounding table:

Pre-rounded value of the least effective digit	Post-rounded value
0 to 2	0 (=00)
3 to 7	5 (=05)
8 to 9	10

← Ignore in setting

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key five times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "6 OTHER".
Depress the [6] or [Enter] key.	<pre> 3 DP/PLU SET 4 RATE, LIMIT AMOUNT 5 BASIC 6 OTHER 0 </pre>	"6 OTHER" is selected.
Depress the [↓] key five times.	<pre> 1 REPORT PRINT ITEM SET 2 SYSTEM OPTION 3 KEY FUNCTION 4 CASH KEY AMOUNT 0 </pre>	The cursor is moved on to "6 ROUND TBL 1 DIGIT".
Depress the [6] or [Enter] key.	<pre> 3 KEY FUNCTION SET 4 CASH KEY AMOUNT 5 DRW WARNING TIME 6 ROUND TBL 1 DIGIT 0 </pre>	"6 ROUND TBL 1 DIGIT" is selected.
Input 200 , then depress the [Enter] key.	<pre> ROUND TBL 1 DIGIT ? TABLE01 [0]→[0] TABLE02 [0]→[0] TABLE03 [0]→[0] 0 ROUND TBL 1 DIGIT ? TABLE01 [2]→[0] TABLE02 [0]→[0] TABLE03 [0]→[0] 0 </pre>	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.
Input 705 , then depress the [Enter] key.	<pre> ROUND TBL 1 DIGIT ? TABLE01 [2]→[0] TABLE02 [7]→[5] TABLE03 [0]→[0] 0 </pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

ENTER A 3-DIG VALUE (VAL
SUBJECT TO RNS:0 TO 9 +
POST-RND VAL:0 TO 10)
AND PRESS [ENTER].
0
                    
```

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #3001

ROUNDING1
200
705

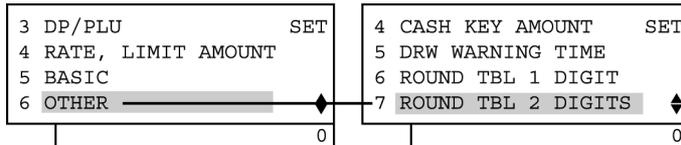
0036 13:33TM
                    
```

6.40 Special Rounding Process Setting, 2-digit type

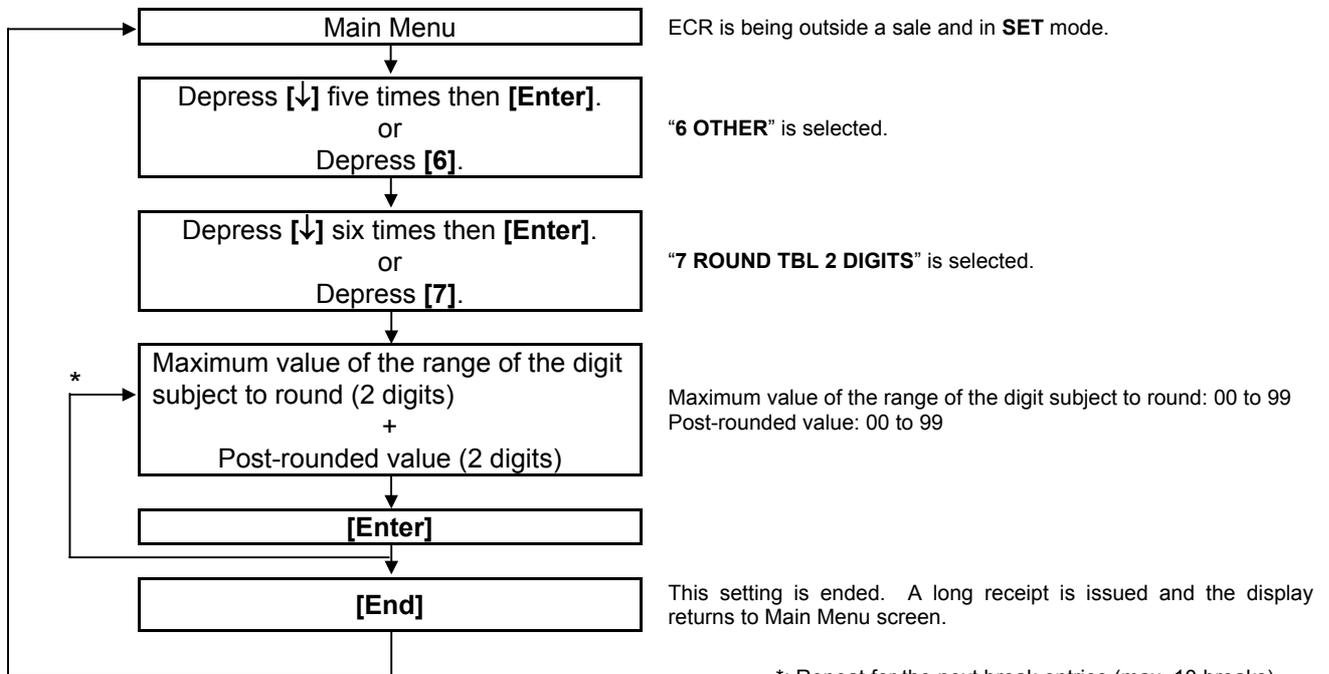
For Special Rounding and Denmark rounding, the pre-rounded value of the two least effective digit and the post-rounded value are set here. This operation is effective when the option “Special Rounding ACTIVE” and “2 digits subject to Special Rounding” are selected (System Option Address No. 33, Bit No. 3 SET & Bit No. 4 SET).

- CONDITION** Any time outside a sale
- OPERATION** Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



*: Repeat for the next break entries (max. 10 breaks).

NOTES:

1. When the “Post-rounded Value” is to be 100 (i.e. the final break point), the break entry is automatically set (refer to the example below). Therefore, it does not need to be entered. Entering a value larger 99 for the Post-rounded value will not cause an error. However, the rounding process will occur only on the two least effective digits in sales entries.
2. A maximum of 10 breaks can be programmed.
3. Values for Sweden rounding are set after performing a RAM Clear.
4. Example of Sweden rounding

For the Sweden rounding, the amount total is rounded as shown below.

Pre-rounded value of the two least effective digits	Post-rounded value
0 to 24	00
25 to 74	50
75 to 99	100

Example of Denmark rounding

For the Denmark rounding, the amount total is rounded as shown below.

Pre-rounded value of the two least effective digits	Post-rounded value
0 to 12	00
13 to 37	25
37 to 62	50
63 to 87	75
88 to 112	100

3) Example

To set the Denmark rounding.

Pre-rounded value of the two least effective digits	Post-rounded value
0 to 12	00
13 to 37	25
37 to 62	50
63 to 87	75
88 to 112	100

← Ignore in setting

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key five times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to "6 OTHER".
Depress the [6] or [Enter] key.	<pre> 3 DP/PLU SET 4 RATE, LIMIT AMOUNT 5 BASIC 6 OTHER 0 </pre>	"6 OTHER" is selected.
Depress the [↓] key six times.	<pre> 1 REPORT PRINT ITEM SET 2 SYSTEM OPTION 3 KEY FUNCTION 4 CASH KEY AMOUNT 0 </pre>	The cursor is moved on to "7 ROUND TBL 2 DIGITS".
Depress the [7] or [Enter] key.	<pre> 4 CASH KEY AMOUNT SET 5 DRW WARNING TIME 6 ROUND TBL 1 DIGIT 7 ROUND TBL 2 DIGITS 0 </pre>	"7 ROUND TBL 2 DIGITS" is selected.
Input 1200 , then depress the [Enter] key.	<pre> ROUND TBL 2 DIGITS ? TABLE01 [0]→[0] TABLE02 [0]→[0] TABLE03 [0]→[0] 0 ROUND TBL 2 DIGITS ? TABLE01 [12]→[0] TABLE02 [0]→[0] TABLE03 [0]→[0] 0 </pre>	While ? is shown on the upper-right corner of the LCD display screen, the [?] key depression results in that the following guidance message appears on the LCD display.
	<pre> ENTER A 4-DIG VALUE (VAL SUBJECT TO RNS:00 TO 99 + POST-RND VAL:00 TO 99) AND PRESS [ENTER]. 0 </pre>	

(continued on the next page)

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Operation	LCD Display	Remarks
Input 3725 , then depress the [Enter] key.	<pre> ROUND TBL 2 DIGITS ? TABLE01 [12]→[0] TABLE02 [37]→[25] TABLE03 [0]→[0] </pre>	
Input 6250 , then depress the [Enter] key.	<pre> ROUND TBL 2 DIGITS ? TABLE02 [37]→[25] TABLE03 [62]→[50] TABLE04 [0]→[0] </pre>	
Input 8775 , then depress the [Enter] key.	<pre> ROUND TBL 2 DIGITS ? TABLE03 [62]→[50] TABLE04 [87]→[75] TABLE05 [0]→[0] </pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT </pre>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

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ROUNDING2
1200
3725
6250
8775

0037 13:35TM
    
```

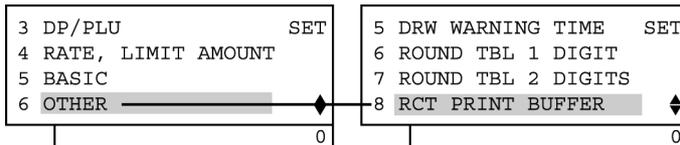
6.41 Number of Receipt Print Buffer Line Setting

The number of receipt print buffer line is set here. When it reaches the set value, only a receipt print operation starts. This setting is effective only in **REG**, **MGR**, and **[-]** modes or programming operation.

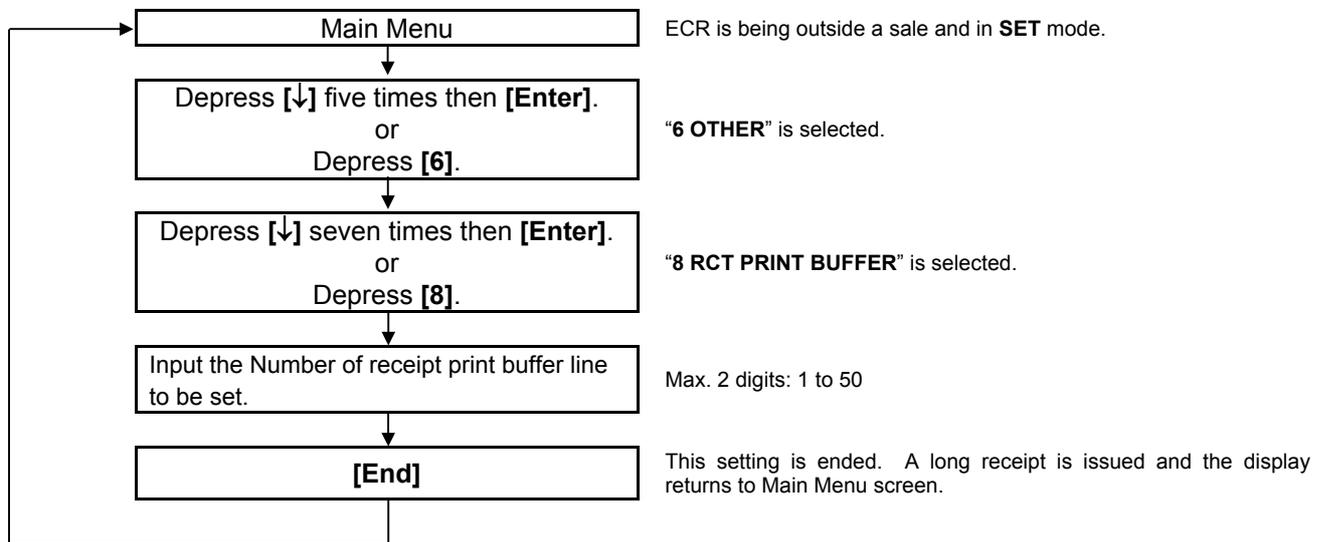
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTE: The Number of receipt print buffer line is set to 50 as default setting after performing a RAM Clear.

3) Example

To set the Number of receipt print buffer line is 30 lines.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key five times.		The cursor is moved on to "6 OTHER".
Depress the [6] or [Enter] key.		"6 OTHER" is selected.

(continued on the next page)

(continued from the previous page)

Operation	LCD Display	Remarks
Depress the [↓] key seven times.	<pre> 1 REPORT PRINT ITEM SET 2 SYSTEM OPTION 3 KEY FUNCTION 4 CASH KEY AMOUNT </pre> <p style="text-align: right;">0</p>	The cursor is moved on to "8 RCT PRINT BUFFER".
Depress the [8] or [Enter] key.	<pre> 5 DRW WARNING TIME SET 6 ROUND TBL 1 DIGIT 7 ROUND TBL 2 DIGITS 8 RCT PRINT BUFFER </pre> <p style="text-align: right;">0</p>	"8 RCT PRINT BUFFER" is selected.
Input 30.	<pre> ENTER A LINE NO. FROM 1 TO 50 AND PRESS [END]. </pre> <p style="text-align: right;">0</p>	Number of receipt print buffer line: max. 2 digits (1 to 50)
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT </pre> <p style="text-align: right;">0</p>	A long receipt is issued and the display returns to Main Menu screen.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #3001

R PR BUFFER
RECEIPT BUF 30

0038 13:37TM
    
```

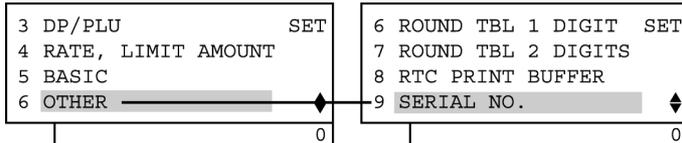
6.42 Serial No. Setting

A maximum of 8-digit serial No. is set here. The serial No. will be printed on the Daily and GT Financial Read/Reset Reports.

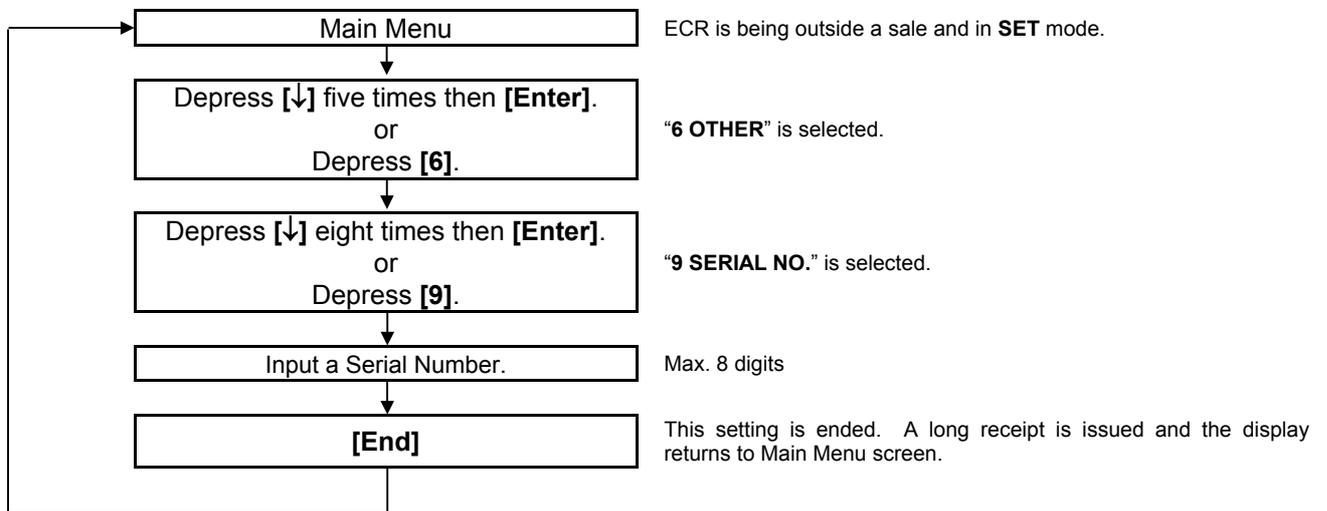
CONDITION Any time outside a sale

OPERATION Mode Lock: **SET**

1) Menu Tree



2) Operation Flowchart



NOTES:

1. When inputting 0, the serial No. will be reset. (None of serial No. is printed on the reports.)
2. The serial No. is always printed on the reports with an 8-digit value. If the serial No. 1 is set, "00000001" is printed on the reports.

3) Example
To set the serial No. 12345678.

Operation	LCD Display	Remarks
When the ECR is being outside a sale and in SET mode, depress the [↓] key five times.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	The cursor is moved on to " 6 OTHER ".
Depress the [6] or [Enter] key.	<pre> 3 DP/PLU SET 4 RATE, LIMIT AMOUNT 5 BASIC 6 OTHER 0 </pre>	" 6 OTHER " is selected.
Depress the [↓] key eight times.	<pre> 1 REPORT PRINT ITEM SET 2 SYSTEM OPTION 3 KEY FUNCTION 4 CASH KEY AMOUNT 0 </pre>	The cursor is moved on to " 9 SERIAL NO. ".
Depress the [9] or [Enter] key.	<pre> 6 ROUND TBL 1 DIGIT SET 7 ROUND TBL 2 DIGITS 8 RTC PRINT BUFFER 9 SERIAL NO. 0 </pre>	" 9 SERIAL NO. " is selected.
Input 12345678 .	<pre> ENTER A MAX OF 8-DIGIT SERIAL NO. AND PRESS [END]. 0 </pre>	
The [End] key depression allows the ECR to end this setting.	<pre> 1 MESSAGE SET 2 NAMES 3 DP/PLU 4 RATE, LIMIT AMOUNT 0 </pre>	A long receipt is issued and the display returns to Main Menu screen.

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Open 8:00am to 7:00pm
Closed: every Wednesday

31-10-2005 MON #3001

SERIAL NO.
#12345678

0039 13:39TM

7. VERIFICATION OF PROGRAMMED DATA

The programmed data entered in the preceding chapter can be read for verification purposes.

The print format of each program reading is almost the same as on the program receipt, except that “X” is printed instead of printing Program Name.

CONDITION Any time outside a sale

OPERATION Mode Lock: **X** or **SET**

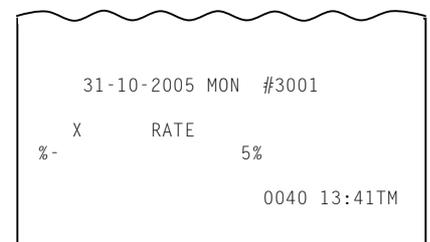
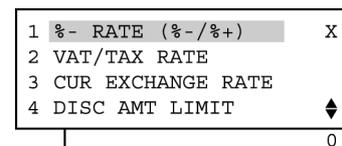
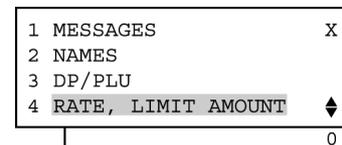
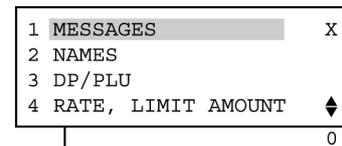
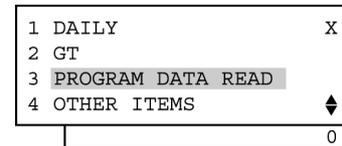
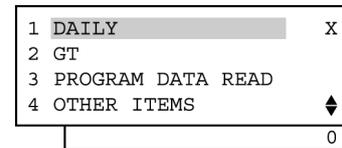
1. Turn the Mode Lock to the **X** or **SET** position with the **MGR** key.
2. In **X** mode, move the cursor on to “**3 PROGRAM DATA READ**” which is displayed on the LCD display with the [↓] key, then depress the [Enter] key.
In **SET** mode, move the cursor on to “**7 PROGRAM DATA READ**”, then depress the [Enter] key.
3. PROGRAM DATA READ menu is shown on the next page. Move the cursor on to a desired item to be verified with the [↓] key, then depress the [Enter] key.
4. The currently programmed data is printed both on the receipt and on the journal.

NOTE: On depressing the [Enter] key, the programmed data will be printed. To abort printing once started, depress the [ITEM CORR] or [VOID] key. The reading operation is immediately stopped halfway.

Example)

To verify the preset rates of the [%-] and [%+] keys in **X** mode.

1. When the ECR is being outside a sale and in **X** mode, depress the [↓] key twice to move the cursor on “**3 PROGRAM DATA READ**”.
2. Depress the [3] or [Enter] key.
3. Depress the [↓] key three times to move the cursor on to “**4 RATE, LIMIT AMOUNT**”.
4. Depress the [4] or [Enter] key.
5. The [1] or [Enter] key depression results in printing.



PROGRAM DATA READ menu

X mode

1 DAILY	X
2 GT	
3 PROGRAM DATA READ	
4 OTHER ITEMS	◆
0	

SET mode

4 RATE, LIMIT AMOUNT SET	
5 BASIC	
6 OTHER	
7 PROGRAM DATA READ	◆
0	

- 1 MESSAGES
 - 1 COMMERCIAL MESSAGE
 - 2 FOOTER MESSAGE
 - 3 STORE MESSAGE
- 2 MAMES
 - 1 DP GROUP NAME
 - 2 CASHIER NAME
 - 3 SALESPERSON NAME
 - 4 FINANCIAL ITM NAME
 - 5 PRINT ITEM NAME
 - 6 DISPLAY ITEM NAME
 - 7 ERROR ITEM NAME
 - 8 X/Z REPORT NAME
 - 9 DISP MENU
 - 0 MESSAGES
- 3 DP/PLU
 - 1 DP SETTING
 - 1 DP SETTING
 - 2 DIGIT LIMIT(PRICE)
 - 2 PLU SETTING
 - 1 ALL PLU
 - 2 ZONE PLU
 - 3 PLU PRICE SETTING
 - 1 ALL PLU
 - 2 ZONE PLU
 - 4 ASSIGN TO KEYBOARD
- 4 RATE, LIMIT AMOUNT
 - 1 %- RATE(%-/%+)
 - 2 VAT/TAX RATE
 - 3 CUR EXCHANGE RATE
 - 4 DISC AMT LIMIT
- 5 BASIC
 - 1 HOURLY RANGE
 - 2 KEY-IN TONE
- 6 OTHER
 - 1 REPORT PRINT ITEM
 - 2 SYSTEM OPTION
 - 3 KEY FUNCTION
 - 4 CASH KEY AMOUNT
 - 5 DRW WARNING TIME
 - 6 ROUND TBL 1 DIGIT
 - 7 ROUND TBL 2 DIGITS
 - 8 RTC PRINT BUFFER