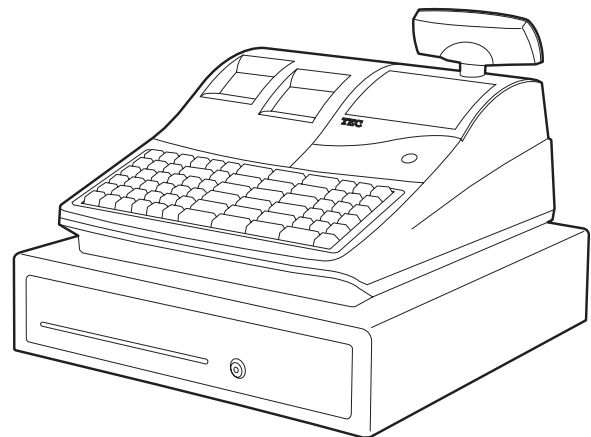


TEC

TEC Electronic Cash Register

MA-1535-2 SERIES

Owner's Manual



TOSHIBA TEC CORPORATION

“This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.”

“Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.”

FCC Notice

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by manufacturer for compliance could void the user's authority to operate the equipment.

Place the Electronic Cash Register near a wall outlet where the plug can be easily unplugged.

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.*

Safety Summary

Personal safety in handling or maintaining the equipment is extremely important. Warnings and Cautions necessary for safe handling are included in this manual. All warnings and cautions contained in this manual should be read and understood before handling or maintaining the equipment.

Do not attempt to effect repairs or modifications to this equipment. If a fault occurs that cannot be rectified using the procedures described in this manual, turn off the power, unplug the machine, then contact your authorized TOSHIBA TEC representative for assistance.

Meanings of Each Symbol



This symbol indicates warning items (including cautions). Specific warning contents are drawn inside the Δ symbol. (The symbol on the left indicates a general caution.)



This symbol indicates prohibited actions (prohibited items). Specific prohibited contents are drawn inside or near the \odot symbol. (The symbol on the left indicates “no disassembling”.)



This symbol indicates actions which must be performed. Specific instructions are drawn inside or near the \bullet symbol. (The symbol on the left indicates “disconnect the power cord plug from the outlet”.)



WARNING

This indicates that there is the risk of **death** or **serious injury** if the machines are improperly handled contrary to this indication.



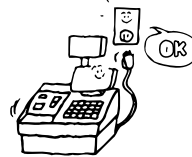
Prohibited

Do not plug in or unplug the power cord plug with wet hands as this may cause **electric shock**.



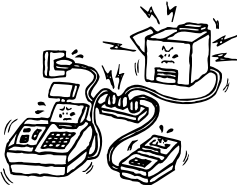
Any other than the specified AC voltage is prohibited.

Do not use voltages other than the voltage (AC) specified on the rating plate, as this may cause **fire** or **electric shock**.



Prohibited

If the machines share the same outlet with any other electrical appliances that consume large amounts of power, the voltage will fluctuate widely each time these appliances operate. Be sure to provide an exclusive outlet for the machine as this may cause **fire** or **electric shock**.



Prohibited

Do not place metal objects or water-filled containers such as flower vases, flower pots or mugs, etc. on top of the machines. If metal objects or spilled liquid enter the machines, this may cause **fire** or **electric shock**.



Prohibited

Do not insert or drop metal, flammable or other foreign objects into the machines through the ventilation slits, as this may cause **fire** or **electric shock**.



Prohibited

Do not scratch, damage or modify the power cords. Also, do not place heavy objects on, pull on, or excessively bend the cords, as this may cause **fire** or **electric shock**.



Disconnect the plug.




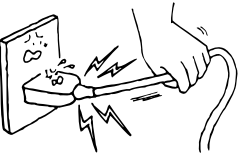

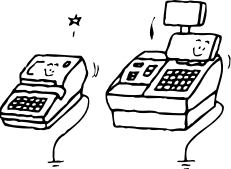


If the machines are dropped or their cabinets damaged, first turn off the power switches and disconnect the power cord plugs from the outlet, and then contact your authorized TOSHIBA TEC representative for assistance. Continued use of the machine in that condition may cause **fire** or **electric shock**.



Disconnect the plug.

Continued use of the machines in an abnormal condition such as when the machines are producing smoke or strange smells may cause **fire** or **electric shock**. In these cases, immediately turn off the power switches and disconnect the power cord plugs from the outlet. Then, contact your authorized TOSHIBA TEC representative for assistance.



 <p>Disconnect the plug.</p> 	<p>If foreign objects (metal fragments, water, liquids) enter the machines, first turn off the power switches and disconnect the power cord plugs from the outlet, and then contact your authorized TOSHIBA TEC representative for assistance. Continued use of the machine in that condition may cause fire or electric shock.</p>	 <p>Disconnect the plug.</p> 	<p>When unplugging the power cords, be sure to hold and pull on the plug portion. Pulling on the cord portion may cut or expose the internal wires and cause fire or electric shock.</p>
 <p>Connect a grounding wire.</p> 	<p>Ensure that the equipment is properly grounded. Extension cables should also be grounded. Fire or electric shock could occur on improperly grounded equipment.</p>	 <p>No disassembling.</p> 	<p>Do not remove covers, repair or modify the machine by yourself. You may be injured by high voltage, very hot parts or sharp edges inside the machine. Unauthorized modification is prohibited.</p>



CAUTION

This indicates that there is the risk of personal **Injury** or **damage** to objects if the machines are improperly handled contrary to this indication.

Precautions

The following precautions will help to ensure that this machine will continue to function correctly.

- Try to avoid locations that have the following adverse conditions:
 - * Temperatures out of the specification
 - * Direct sunlight
 - * High humidity
 - * Shared power source
 - * Excessive vibration
 - * Dust/Gas
- Do not subject the machine to sudden shocks.
- Do not press the keys too hard. Keys will operate correctly if they are touched lightly.
- Clean the cover and keyboard, etc. by wiping with a dry cloth or a cloth soaked with detergent and wrung out thoroughly. Never use thinner or other volatile solvent for cleaning.
- At the end of the day, turn the power OFF, then clean and inspect the exterior of the machine.
- Try to avoid using this equipment on the same power supply as high voltage equipment or equipment likely to cause mains interference.
- USE ONLY TOSHIBA TEC SPECIFIED consumables.
- DO NOT STORE the consumables where they might be exposed to direct sunlight, high temperatures, high humidity, dust, or gas.
- When moving the machine, take hold of the drawer and lift the machine.
- Do not place heavy objects on top of the machines, as these items may become unbalanced and fall causing **injury**.
- Do not block the ventilation slits of the machines, as this will cause heat to build up inside the machines and may cause **fire**.
- Do not lean against the machine. It may fall on you and could cause **injury**.
- Place the machine on a stable and level surface.

Request Regarding Maintenance

- Utilize our maintenance services.
After purchasing the machine, contact your authorized TOSHIBA TEC representative for assistance once a year to have the inside of the machine cleaned. Otherwise, dust will build up inside the machines and may cause a **fire** or a **malfunction**. Cleaning is particularly effective before humid rainy seasons.
- Our preventive maintenance service performs the periodic checks and other work required to maintain the quality and performance of the machines, preventing accidents beforehand.
For details, please consult your authorized TOSHIBA TEC representative for assistance.
- Using insecticides and other chemicals
Do not expose the machines to insecticides or other volatile solvents. This will cause the cabinet or other parts to deteriorate or cause the paint to peel.

1. OPERATOR'S GUIDE

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1. TO OUR CUSTOMERS

Thank you for choosing the TEC electronic cash register MA-1535-2 series. This instruction manual provides a description of the functions and handling of this register and should be read carefully to ensure optimum performance. Since every consideration has been given to safety and reliability, there is no danger of damaging the machine by incorrect operation.

Please refer to this manual whenever you have any questions concerning the machine. This machine has been manufactured under strict quality control and should give you full satisfaction. However, if the machine is damaged during transport or there are any unclear points in this manual, please contact your local TOSHIBA TEC representative.

- The specifications described in this manual may be modified by TOSHIBA TEC, if necessary.
- Be sure to keep this manual for future reference.

2. OUTLINE OF PREPARATION PROCEDURE BEFORE OPERATING THE ECR

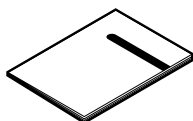
This chapter shows the outline of set-up procedure of the ECR before actually starting the ECR operation.

2.1 Procedure

1. Remove the cash register from the carton. And take out all the parts and accessories.
2. Remove the tapes and seals that are holding parts or protecting the register surfaces.
Place the cash register on a stable and level surface.
3. Plug the power cord of the register into a wall outlet. Make sure that the outlet voltage matches that of the power required for the register.

2.2 Accessories

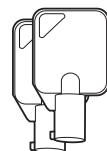
Confirm that all the following accessories are contained in the carton. If any accessories are missing or damaged, contact our nearest TOSHIBA TEC service representative.



Owner's Manual (1 copy)



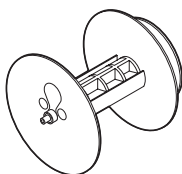
Paper Roll (2 pcs.)



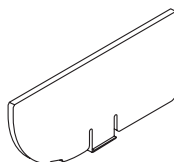
Drawer Key (2 pcs.)



Printer Cover Key (2 pcs.)



Journal Take-up Reel (1 pc.)

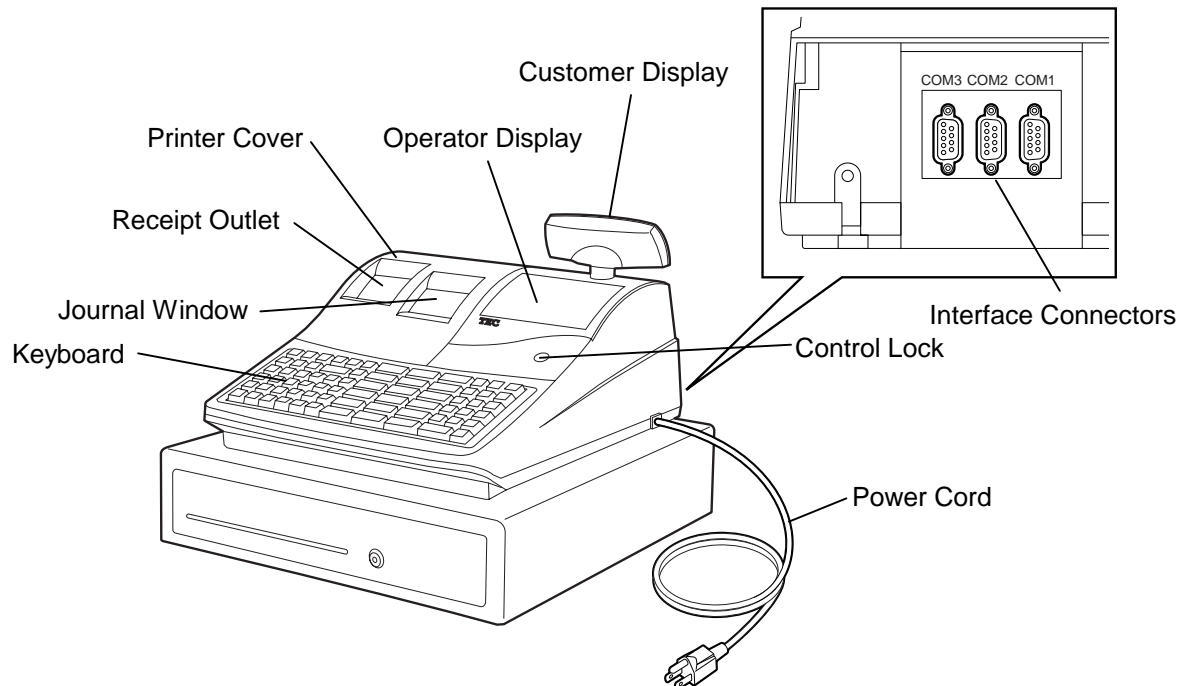


Coin Partition Plate (1 pc.)



Mode Selector Keys
(REG key, MA key, S key: 2 pcs. each)

3. APPEARANCE AND NOMENCLATURE



Printer Cover

The cover for the Receipt or Journal paper holder and the printer.

Receipt Outlet or Journal Window

The receipt for the finalized sale is issued. Or, the operator can see which items have already been entered through this window.

Interface Connector (RS-232C)

These connectors allow a connection of a PC, Remote Slip Printer, Bar Code Reader, etc.

Display (Operator and Customer)

Used to confirm the entry contents and the status of the register. (Section 5)

Control Lock

It selects the type of register operations. (Section 4)

Keyboard

Used to enter sale items (Section 6)

Basic Features

Standard 30 Departments (Max. 99 Departments)

Standard 5000 PLUs (Max. 24000 when the memory is expanded.)

4 types of Value Added Tax (VAT) or 4 types of Add on Tax

Standard 10 Cashiers (Max. 40 Cashiers)

9 Kinds of Media Tender Keys

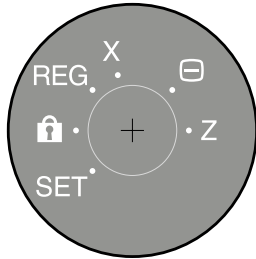
Daily and Accumulated Reports are available.

3 ports of RS-232C Interface

Alphanumeric Operator Display

4. CONTROL LOCK AND MODE SELECTOR KEYS

4.1 Control Lock



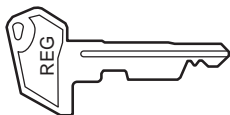
(POSITION)	(FUNCTION)
SET	In this position, the register will allow programming operations.
.....	(Off position) The register operations are locked when the Control Lock is in this position.
REG	Normal cash register operations are carried out in this mode.
X	The sale totals in memory can be read in this position.
.....	This is the "Negative Mode" which automatically processes all the entries in the reverse way, i.e. positive items into negative, and the negative into positive. It is usually used to return or cancel all the items once purchased in a sale in the "REG" mode.
Z	All the resettable totals and their respective counters in memory will be read and reset in this position.

MA Key

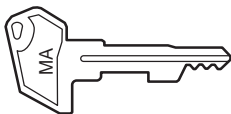
REG Key

4.2 Mode Selector Keys

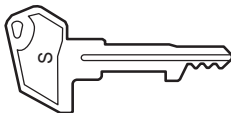
There are three types of keys: the REG key, MA key, and S key.



REG key: The **REG** key is used by the cashier or clerk who operates the cash register. This key can access the positions of **OFF** and **REG** of the Control Lock.



MA Key: The **MA** key is used by the store manager who will daily supervise the collection of money and the printout of transactions recorded by the register. This key is also used when programming the register. This key can access the positions of **SET**, **OFF**, **REG**, **X**, , and **Z**.



S Key: The **S** key is used by the service person from TOSHIBA TEC representative to access any position. To prevent programmed data and sales data from being changed or cleared by mistake, do not use this key without instructions of our TOSHIBA TEC representative.

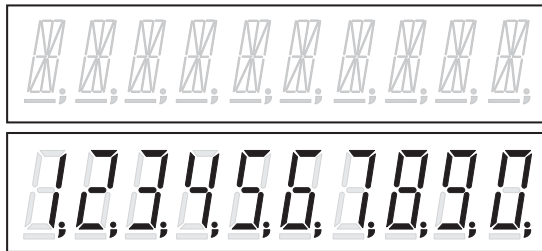
The keys may be inserted or pulled out at the **OFF** or **REG** position.

In the OPERATOR'S GUIDE, functions and operations will be described within the range of the Control Lock positions of **OFF** and **REG** using the **REG** key. Since operations requiring other positions and keys are controlled by the store manager, they are described in the MANAGER'S GUIDE.

5. DISPLAY

The operator display is located at the top of the register just above the keyboard. The customer display can be fixed as a rear display. It can be moved horizontally, and thus is fully adjustable according to the position of the customer.

OPERATOR DISPLAY (Front display)



CUSTOMER DISPLAY (Rear display)



5.1 Upper Row (10-digit Alphanumeric Display)

Alphanumeric characters are displayed here as messages, sale item descriptors, prompts for the operator, etc. depending on the Control Lock position and the operation sequence.

(1) Mode Indications

REG or Mode Initial Display

The message "LOG" is displayed in the lowest 3 digits of the Upper Row. It means that the cashier has signed OFF and thus the ECR is not operable for sales entries. A Sign-ON is expected to operate through the **[LOG/RECEIPT]** key in this case.

Other Mode Initial Display

The mode symbol of 1 character is displayed in the left-most column.

SET Mode: P

X Mode: X

Z Mode: Z

(2) When the entire name is too long to display, press the **[X/TIME]** key to see the un-displayed characters.

(3) Error Messages

When an error occurs, an error message (programmable) is displayed in the upper row, and an error code is in the lower row with an error buzzer sound (a long tone). For the error messages and error codes, see the table on the following page.

Refer to the following error message table to find the cause of the error. Press the **[C]** key to clear the error status and stop the buzzer sound, remove the cause of the error, and then operate the sequence again.

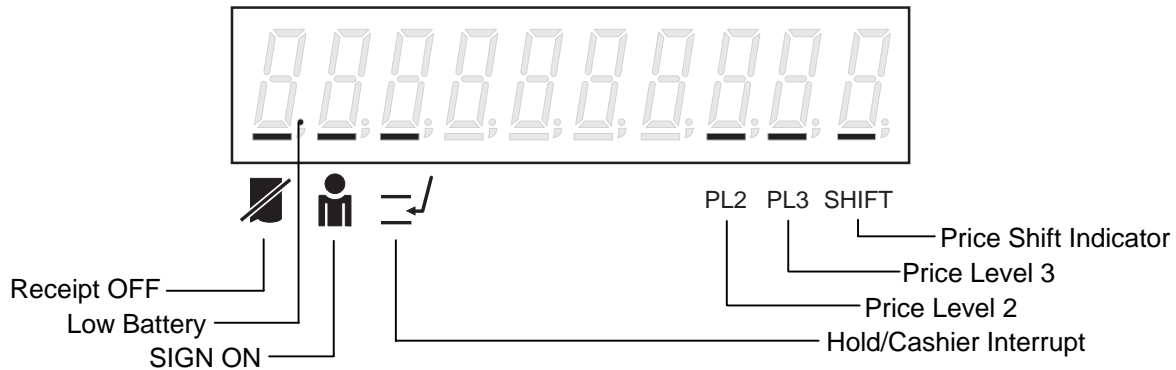
Error Code	Error message (Standard setting)	Cause of the Error
E04	OPTION RAM	BANK RAM Error
E05	PRINTER	Printer Error
E11	FUNCTION	Key Sequence or Operation Procedure Error
E12	CASHIER	Cashier Error
E13	CTRL LOCK	Control Lock Error
E14	NO CASHIER	No Cashier error
E16	REPORT REQ	Report Request Error
E18	HALO	High Amount Lock Out Error The entered amount exceeds the pre-programmed upper limit.
E19	LALO	Low Amount Lock Out Error The entered amount is less than the pre-programmed lower limit.
E21	PR PAPER 1	Not used.
E22	PR PAPER 2	Receipt Paper End Error
E23	PR HEAD UP	The Paper Free Lever of the Receipt printer is raised.
E24	J PAPER 1	Not used.
E25	J PAPER 2	Journal Paper End Error
E26	J HEAD UP	The Paper Free Lever of the Journal printer is raised.
E32	CODE# REQ	Code Number Compulsory Error (Tender)
E33	SUB-TL REQ	Sub-Total Key Compulsory Error (Tender)
E34	AMOUNT REQ	Amount Compulsory Error
E35	DRW OPEN	Drawer Open Error The drawer must be closed before the operation.
---	SP STATUS	Slip Printer Communication Error
---	SP ERROR	Slip Printer Hardware Error
---	SP BUSY	Slip Printer Busy
---	NO RESPON	EFT Time Out Error
---	RESPON NG	EFT Data Error
---	EFT CANCEL	EFT Cancel
---	PIN ERROR	EFT Pin Pad Error

5.2 Lower Row (10-digit 7-segment Numeric Display)

(1) Numeric Display

- AMOUNT Displays the numeric data, such as amount, quantity, etc.
 (9 digits) When the amount is negative, the symbol “-” is displayed as well.
 RPT (2 digits) Displays the repeat count of the same Department or PLU item.

5.3 Display Indicator



- Receipt OFF** This lamp turns on when the Receipt-OFF mode is declared by the **[LOG/RECEIPT]** key. In this condition, no receipts will be issued for a sale to be entered. It goes out by depressing the **[LOG/RECEIPT]** key again for Receipt-ON mode.
- Low Battery** This lamp turns on when the voltage of the ECR's backup battery voltage is dropping. When this lamp lights, please contact your nearest TOSHIBA TEC representative as the programming data and sales data are backed up by this battery.
- SIGN ON** This lamp turns lit only when the Cashier Code Entry method is selected. It lights up when a cashier has signed ON. It goes out when the cashier has signed OFF, and the message "LOG" is displayed in the Upper Row instead.
- Hold** This lamp turns on when the operation is held by pressing the **[HOLD/RECALL]** key. (Receipt-OFF mode only)
- Cashier Interrupt** This lamp turns on when the transaction is interrupted by another cashier. (Receipt-OFF mode only)
- Price Level 2** This lamp turns lit when the 2nd price of the PLU is selected. PLU's 1st to 3rd prices are selected by pressing the **[PRICE 1]**, **[PRICE 2]** or **[PRICE 3]** key.
- Price Level 3** This lamp turns lit when the 3rd price of the PLU is selected.
- Price Shift** This lamp turns on when 2nd price or 3rd price is selected.



Indicates that the sale is finalized and the displayed amount is the sale total.



Indicates that the sale is finalized with an amount tendered and the displayed amount is the change due.



When a Void, Amount Discount, Percent Discount, or Returned Merchandise item has been entered, the Negative Mark is displayed. The mark is also displayed when the subtotal or sale total is obtained and the amount is negative.



Indicates when the Tendered Amount is less than Subtotal (Short Tender).

6. KEYBOARD

6.1 Keyboard Layout

The following is the standard keyboard layout for the MA-1535.

LOG RECEIPT	BTR	HOLD RECALL	# NS	RF	JF	1	6	11	16	21	26
RECEIPT ISSUE	ALL VOID	PO	C	X TIME		2	7	12	17	22	27
CUR	☐	R A	7	8	9	3	8	13	18	23	28
RTN MDSE	%-	TX EX	4	5	6	4	9	14	19	24	29
VOID	READ	TX1 M	1	2	3	5	10	15	20	25	30
ITEM CORR	PLU	TX2 M	0	00	•	ST	AT TL	CHECK TEND	Chg	CPN	

Other keys not assigned to the keyboard above:

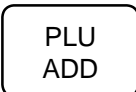
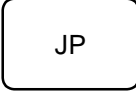

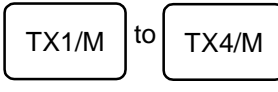
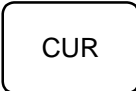
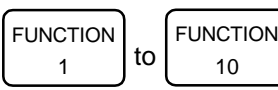
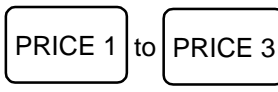
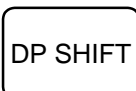



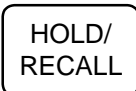


[%+]	[TAX DISPLAY]	[GST/M]	[SCALE]
[JP]	[VND CPN]	[STR CPN]	[TARE]
[FS/TL TEND]	[PRICE]	[DP31] to [DP99]	[TARE2]
[FS/M]	[TX4/M]	[EAN]	[MANUAL CARD#]
[+]	[PICK-UP]	[ID CHECK]	[OFF LINE AUTH]
[TX3/M]	[PLU ADD]	[CREDIT]	[POST AUTH]
[LOAN]	[000]	[DEBIT]	[PRICE 1] to [PRICE 3]
[CHECK No.]	[DP SHIFT]	[SPLIT PRICE]	[CREDIT 1] to [CREDIT 5]
[FUNCTION 1] to [FUNCTION 10]		[RECEIPT ISSUE]	[LC OPEN]

6.2 Function of Each Key

Key	Functions	Reference page
LOG RECEIPT	Log/Receipt Key This is a dual-function key that has both [LOG] and [RECEIPT] functions. The [LOG] key is used by a cashier to sign on and to declare start of a normal operation. The [RECEIPT] key is used to switch the Receipt-ON/OFF mode.	5-3 7-1
RECEIPT ISSUE	Receipt Post-Issue Key This key is used to issue the receipt of a sale when the sale has already finalized in the Receipt-OFF mode.	9-36
RF	Receipt Feed Key This key is used to advance the receipt roll and operated by holding it down until the paper has advanced to the required position.	8-1
JF	Journal Feed Key This key is used to advance the journal roll in the same fashion as the [RF] key is used to receipt roll.	8-2

Key	Functions	Reference page												
<table border="1"> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>0</td><td>00</td><td>•</td></tr> </table>	7	8	9	4	5	6	1	2	3	0	00	•	<p>Numeric Keys These keys are used to enter numeric values. Depressing the [00] key once is the same as depressing the [0] key twice consecutively. The [.] key is used to designate the decimal pint of a percentage rate or a quantity.</p>	----
7	8	9												
4	5	6												
1	2	3												
0	00	•												
<table border="1"> <tr><td>000</td></tr> </table>	000	<p>000 key Depressing the [000] key once is the same as depressing the [0] key three times consecutively.</p>	----											
000														
<table border="1"> <tr><td>1</td><td>to</td><td>99</td></tr> </table>	1	to	99	<p>Department Keys This key is used to enter each item, serving for classifying merchandise by department. The maximum number of the departments varies depending on the programming.</p>	9-3									
1	to	99												
<table border="1"> <tr><td>C</td></tr> </table>	C	<p>Clear Key This key is used to clear numeric entries or a declaration key entry.</p>	----											
C														
<table border="1"> <tr><td>-</td></tr> </table>	-	<p>Amount Discount Key This key is used to subtract an amount from the sale such as a discount during a sale.</p>	9-18											
-														
<table border="1"> <tr><td>+</td></tr> </table>	+	<p>Amount Charge Key This key is used to add an amount to the sale.</p>	9-18											
+														
<table border="1"> <tr><td>%+</td></tr> </table>	%+	<p>Percent Charge Key This key is used to add a percent rate to a sale.</p>	9-19											
%+														
<table border="1"> <tr><td>%-</td></tr> </table>	%-	<p>Percent Discount Key This key is used to subtract a percent rate from a sale.</p>	9-19											
%-														
<table border="1"> <tr><td>#/NS</td></tr> </table>	#/NS	<p>Non-add Number Print Key This key is used to print a non-add numbers on the receipt and journal for future reference. No-sale Key This key is used to open the cash drawer without relating to a sale.</p>	9-21 9-2											
#/NS														
<table border="1"> <tr><td>ST</td></tr> </table>	ST	<p>Subtotal Key This key is used to obtain subtotal of the current transaction.</p>	9-24											
ST														
<table border="1"> <tr><td>PLU</td></tr> </table>	PLU	<p>PLU (Price Look Up) Key This key is used to enter a PLU that is linked to a department.</p>	9-5											
PLU														
<table border="1"> <tr><td>R/A</td><td>LOAN</td></tr> </table>	R/A	LOAN	<p>Received-on-Account Key This key is used to enter payments received on account, i.e. not relating to a sale. Also used for change reserve amounts loaned from the store. Loan Key This key is used when preparing the changes before the business hour starts.</p>	9-34 9-3										
R/A	LOAN													
<table border="1"> <tr><td>ITEM CORR</td></tr> </table>	ITEM CORR	<p>Item Correct Key This key is used to remove the last item from the bill, printing a line through the item on the receipt and journal.</p>	9-20											
ITEM CORR														
<table border="1"> <tr><td>VOID</td></tr> </table>	VOID	<p>Void Key This key is used to delete an item entered previously (before the last item) in the current transaction.</p>	9-20											
VOID														

Key	Functions	Reference page
ALL VOID	All Void Key This key is used to cancel all the items entered in the current sale.	9-20
X/TIME	X/TIME Key This key is used to multiply a department, PLU, or Bottle Return item entry by a quantity, and to auto-calculate and enter Triple Multiplication. Also, this key is used to display the date and time.	9-2 9-8
VND CPN	Vendor Coupon Key This key is used to enter the amount of vendor coupons received from the customer.	9-19
STR CPN	Store Coupon Key This key is used to subtract a store coupon amount redeemed through a department.	9-19
READ	Price-Read Key This key is used to read the preset price of the designated department or PLU from the memory.	9-33
PO PICK UP	Paid-Out Key This key is used to record amounts paid out of the cash drawer not relating to a sale. Pick-Up Key Also used for Pick Up operations, such as money collections for banking purposes.	9-35
RTN MDSE	Returned Merchandise Key This key is used to refund money to a customer who has returned items already purchased.	9-17
BTR	Bottle Return Key This key is used to enter a bottle return amount.	9-17
AT/TL	Cash Amount Tendered/Cash Total Key This key is used to record all cash paid transactions, and will be able to finalize a sale operation.	9-25
CHECK TEND	Check Key This is one of non-cash media keys, and used to cash a check when the register is outside a sale, or to finalize the transaction as a check payment.	9-25 9-39
Chg	Credit Key This is another non-cash media key, and usually programmed as 'Credit Sale Total' key.	9-25
CPN	Media-Coupon Key This is another non-cash media key, and usually programmed as "Coupon Tender" key.	9-25
CREDIT 1 to CREDIT 5	Credit 1 to 5 Keys These keys are additional non-cash media keys that may be installed besides those already described, according to the requirements of each store.	9-25
TX/EX	Tax Exempt Key Used to declare the exemption of the taxes from the sale.	9-24
CHECK NO.	Check No. and Endorsement Print Key Used to print the endorsement data with or without a check No. print after finalizing a sale with a non-cash media key.	9-38

Key	Functions	Reference page
	PLU Add Key This key is used to add a PLU item that has not been programmed in the PLU table file, to the PLU Additional Table file.	9-10
	Journal Print Key This key is used to print the store message, date, the register No. on the journal. (Specification for Thailand)	9-25
	TAX Total Display This key is used to display the TAX TOTAL after subtotal operation.	9-25
	Tax Modifier Key(s) These keys may be installed when the "Add-on Tax" feature is selected. Used to reverse the taxable/non-taxable status on departments, PLUs, or other tax-status programmable keys.	9-22 9-24
	Foreign Currency Key This key is used when tendering or exchanging with foreign currencies. Pressing numeric keys 1 to 4 before this key allows handling max. 4 kinds of foreign currencies. (1 is omissible)	9-34
	Function 1 to Function 10 Keys These keys are used to execute a command of key string pre-programmed on each of these keys. An operation series of maximum 10 keys can be programmed on each key, thus eliminating time in daily operation routines.	9-36
	PLU Price Shift Key These keys are used to shift the PLU price.	5-3 9-5
	Department Shift Key This key is used to add the half of the total number of programmed DEPT to a DEPT No. pressed just after the [DP SHIFT] key. For example, when the total programmed DEPT No. is 40, pressing the [DP SHIFT] + [DEPT 1] represents [DEPT 21].	9-3
	Food Stamp Total/Tender Key This key is used to read the food stampable portion amount of a sale and to tender an amount in food stamp.	9-37
	Food Stamp Modifier Key This key is used to reverse the food stamp status.	9-22
	GST Modifier Key This key is used to reverse the GST status.	9-22 9-24
	Hold/Recall Key In case a customer is slow in payment or in endorsement of a check at finalizing the sale, this key is used to "hold" the sale by temporarily finalizing the sale, and after wards to "recall" the sale total of the customer to really finalize it. When the sale is "recalled," additional sale items may be entered before the real finalization.	5-3 9-37
	PRICE key This key is used to enter the price for an open PLU.	9-5
	EAN key This key is used to enter the source code or in-store code manually instead of bar code scanning.	9-5

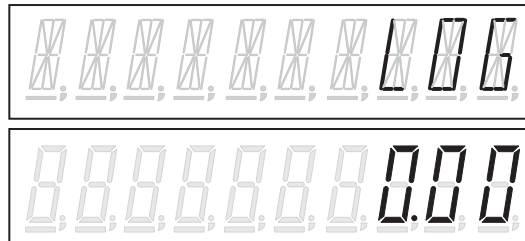
Key	Functions	Reference page
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> SPLIT PRICE </div>	<p>Split Package Pricing Key This key is used to auto-calculate and enter a split-package price, triple multiplication, or HI-CONE.</p>	9-11 9-15
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> ID CHECK </div>	<p>ID Check Key This key is used to enter the customer's birthday at a transaction of department programmed with age limit status.</p>	9-6
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> SCALE </div>	<p>Scale Key This key is used for various scaled items. To register weight data from a scale, only the departments programmed with the scale-allowed status or the PLUs programmed with the scale-compulsory status may be operated.</p>	9-21
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> TARE </div>	<p>Tare Key This key is used to enter the preset tare weight data prior to a scaled item entry, thus to subtract tare from the gross weight and obtain net weight.</p>	9-22
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> TARE2 </div>	<p>Tare2 Key This key is used to enter the tare weight manually when the scaled item (for department, PLU) is entered.</p>	9-22
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> DEBIT </div>	<p>Debit Key This key is one of the EFT media keys.</p>	9-29 9-40
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> CREDIT </div>	<p>Credit Key This key is one of the EFT media keys.</p>	9-27
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> MANUAL CARD# </div>	<p>Manual Card No. Key This key is used to manually enter a card No. and its expiration date on the ECR.</p>	9-31
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> OFFLINE AUTH </div>	<p>Off-line Authority Key This key is used to finalize the EFT sale transaction on the off-line ECR.</p>	9-31
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> POST AUTH </div>	<p>Post Authority Key This key is used to finalize the EFT sale transaction which was authorized on the off-line ECR.</p>	9-32
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> LC OPEN </div>	<p>Listing Capacity Open Key This key is used to release the high or low amount limit preprogrammed on each department or PLU.</p>	9-23

7. CASHIER SIGNING OPERATIONS

7.1 Cashier Code Entry

Cashier in operation is specified by entering a cashier number. One operation should be finished under the same cashier. Cashiers cannot be changed until the transaction is finished unless the cashier interrupt function is effective.

When a cashier is not signed on yet in **REG** mode or when the control lock is set to the **REG** mode, the display will show the following message prompting the cashier sign on.



When a cashier pass code has not been programmed, you can sign on by entering your cashier number followed by the **[LOG/RECEIPT]** key.

Sign ON
 [LOG/RECEIPT]
 _____ Cashier number (1-40)



Sign OFF
 [0] [LOG/RECEIPT]



7.2 Cashier Pass Code

Cashier pass code is a special security feature to control access to the register. Before the rest can be operated, the cashier pass code must be assigned and up to 40 cashier codes (when the memory is expanded) can be set in the register memory. Unless one of these codes has been correctly typed and activated with the **[LOG/RECEIPT]** key no registration.

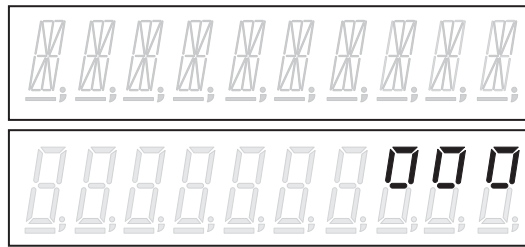
If necessary, however, you can program cashier pass code for each cashier in **SET** Mode. If cashier is changed to another cashier with cashier pass code, you will be prompted to enter the cashier pass code.

Cashier code format

[LOG/RECEIPT]
 _____ Cashier number (1 to 40)
 _____ 3-digit cashier pass code of a cashier (001 to 999)
 (Only when the cashier pass code is programmed.)

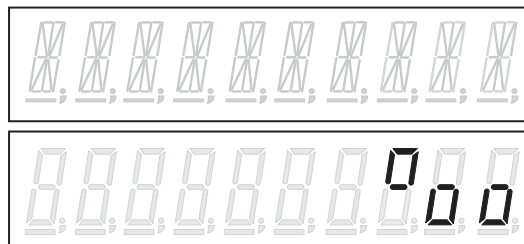
- NOTES:**
1. If the cashier pass code is typed incorrectly, an Error Sign will appear on the display.
 2. If the cashier pass code "000" is preset, enter Cashier number only.

When a cashier pass code has been already programmed, enter the cashier number and press the **[LOG/RECEIPT]** key. The following cashier pass code prompt display will appear.

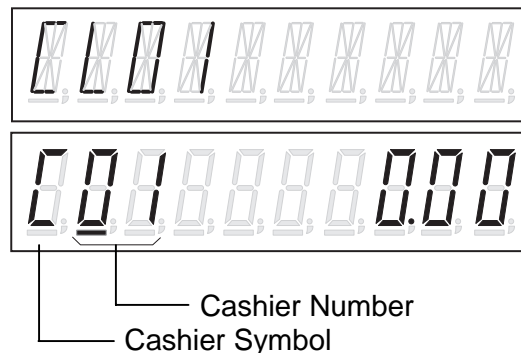


When each digit is entered, the display will change as the example below.

Example : When 2 digits are entered.



The cashier pass code will be displayed as follows when entered correctly. Entering a wrong pass code causes an error. Press the **[C]** key to clear the error and re-enter the correct code.

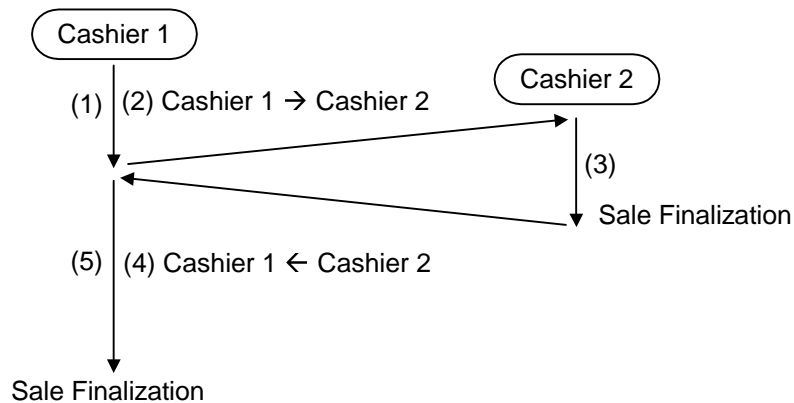


7.3 Cashier Interrupt Operation

By switching the Cashier during a sale, interruptions by other cashiers with sale items are allowed.

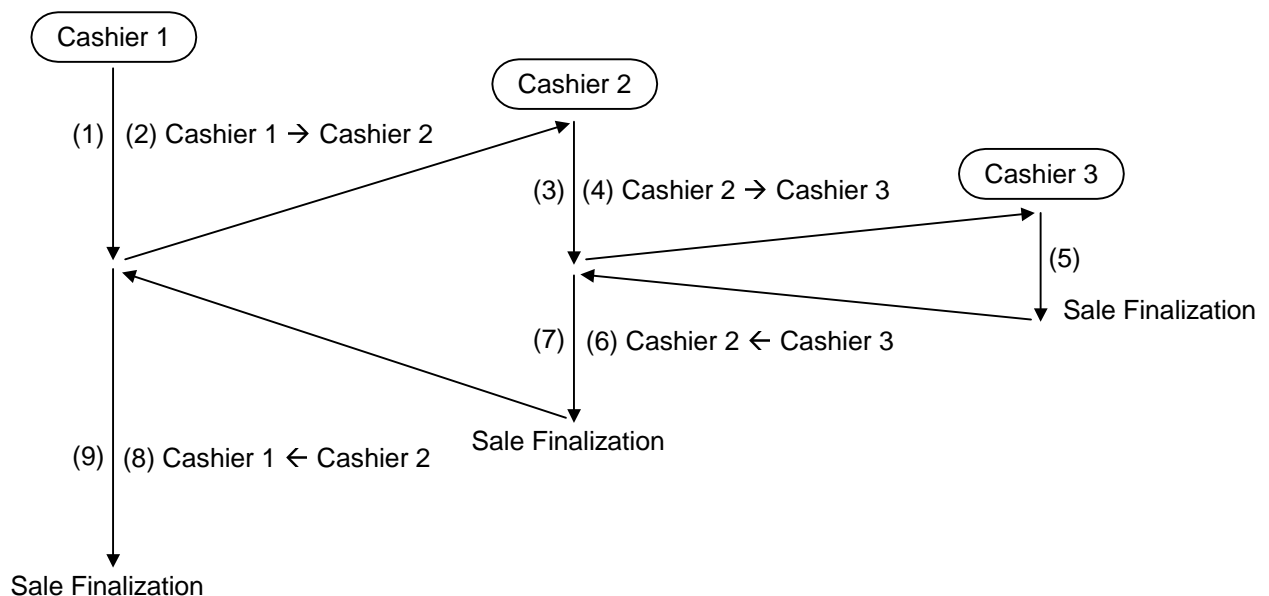
CONDITION **Receipt-Off Mode** (i.e. Receipt OFF Indicator is illuminated.)
Control Lock: REG

Operation Example 1 (Single-cashier Interruption)



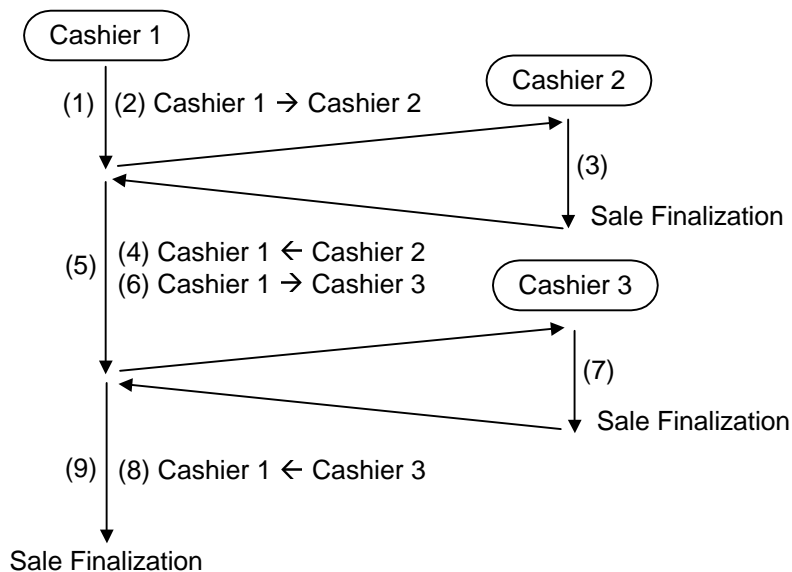
- (1) Sale item entries started by Cashier 1.
- (2) Switching Cashier 1 to Cashier 2 (interruption by Cashier 2)
- (3) Sale item entries and finalization by Cashier 2
- (4) Switching Cashier 2 to Cashier 1
- (5) Cashier 1 resumes his/her own entries and finalizes the sale.

Operation Example 2 (Multi-cashier Interruption)



- (1) Sale item entries started by Cashier 1.
- (2) Switching Cashier 1 to Cashier 2 (interruption by Cashier 2)
- (3) Sale item entries by Cashier 2
- (4) Switching Cashier 2 to Cashier 3 (interruption by Cashier 3)
- (5) Sale item entries and finalization by Cashier 3
- (6) Switching Cashier 3 to Cashier 2
- (7) Cashier 2 resumes his/her own entries and finalizes the sale.
- (8) Switching Cashier 2 to Cashier 1
- (9) Cashier 1 resumes his/her own entries and finalizes the sale.

Operation Example 3 (Multi-time Interruption)



- (1) Sale item entries started by Cashier 1
- (2) Switching Cashier 1 to Cashier 2 (interruption by Cashier 2)
- (3) Sale item entries and finalization by Cashier 2.
- (4) Switching Cashier 2 to Cashier 1
- (5) Cashier 1 resumes his/her own entries
- (6) Switching Cashier 1 to Cashier 3 (interruption by Cashier 3)
- (7) Sale item entries and finalization by Cashier 3.
- (8) Switching Cashier 3 to Cashier 1
- (9) Cashier 1 resumes his/her own entries and finalizes the sale.

- NOTES:**
1. Whether the Cashier Interrupt Operation is allowed or not is determined by program option selection. A maximum of 3 cashiers are acceptable in a sale (i.e. up to 2 cashiers can interrupt a sale started by another cashier.)
 2. The Cashier Interrupt Operation is available only in the Receipt-Off mode. If the "R OFF" lamp is unlit, depress the **[LOG/RECEIPT]** key to illuminate the lamp.
 3. When the sale-starting Cashier code is changed to another Cashier code, the display shows the initial status (0.00).
 4. When interrupting entries are completed and the interrupting Cashier is switched to the Cashier under which a sale entry has been suspended, the subtotal amount of the suspended sale is displayed.

5. Depressing the **[RECEIPT ISSUE]** (Post-receipt) key after finalizing each cashier's own entries with print and issue a receipt of his/her entries. The post-receipt of each cashier's entries is available any time after finalizing his/her own entries until another sale is started by his/her Cashier.

Example: Cashier 1 First starts a sale.
 Cashier 2 Next interrupts the sale, enters items and finalizes his/her sale portion. The receipt is not taken.
 Cashier 1 Then resumes his suspended sale.
 Cashier 3 next interrupts the sale, enters items, and finalizes his/her sale portion. The receipt is not taken.
 Cashier 1 Again resumes his/her suspended sale and finalizes his sale portion. The receipt (for the Cashier 1 portion) is taken.

*In this case, Cashier 2 and/or Cashier 3 can issue the receipt of his/her sale portion by turning on his/her own Cashier Key and depressing the **[RECEIPT ISSUE]** key even after the sale finalization and receipt issue by Cashier 1.*

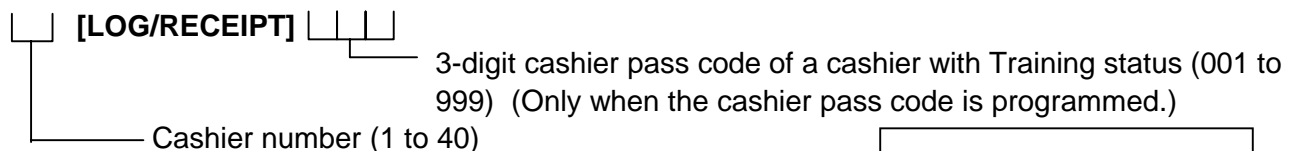
6. When entered items exceeds 50, an interrupt cannot be performed. And a Hold is prohibited during a Cashier Interrupt operation.

7.4 Training Mode Start and End

When you have newly employed cashiers, you may provide some time for them to train their skills of operating the MA-1535. You are to start and end the Training Mode. Once entering the Training Mode, a cashier may operate just as ordinary sale entry operations. The data in the Training Mode are processed into the training cashier memory but not affect any actual sales data in business.

CONDITION Outside a sale, and in Cashier Signed-OFF condition

OPERATION FOR TRAINING MODE START



ENTRIES IN TRAINING MODE

Registering operations are allowed by the trainees:

- All sale or transaction entry operations are possible in the Training Mode,
 except: 1) The drawer will not open
 2) The Consecutive No. on the receipt will not be incremented.

```

////////////////////////////////////
                YOUR RECEIPT
                THANK YOU
////////////////////////////////////
**** TRAINING MODE ****
01-01-2002          #0000

DEPT01              1.00
DEPT02              2.00
SUBTL               3.00
NON TXBL            3.00
CASH                3.00

ITEM 2
CL02 0004          13:40TM
    
```

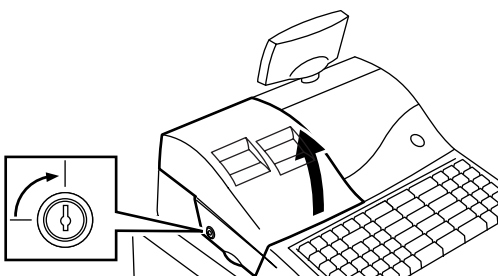

8. INSTALLING AND REPLACING THE RECEIPT AND JOURNAL ROLLS

WARNING!

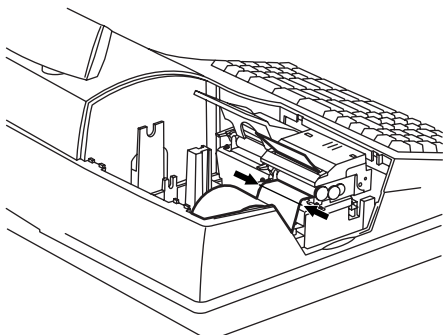
Care must be taken not to injure yourself with the paper cutter.

Turn the control lock to the **REG** position using a Mode Selector Key to perform the paper roll installation described in this chapter.

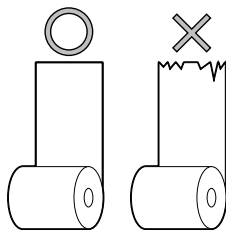
8.1 Installing/Replacing the Receipt Roll



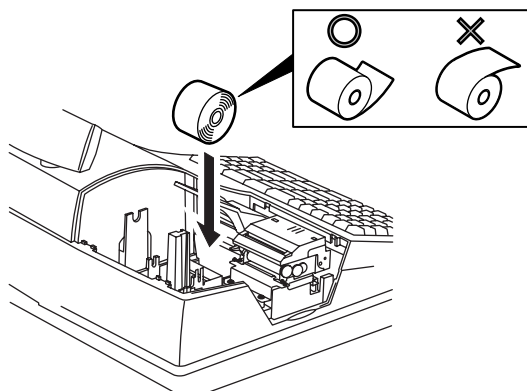
1. To remove the Printer Cover, insert the Printer Cover Key to the Printer Cover Lock, and then turn it 90° clockwise.



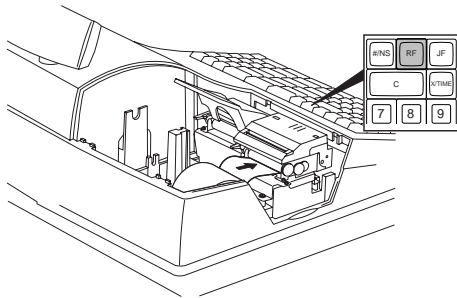
2. When replacing the receipt, cut the paper at the arrow indicating position in the figure on the left. Press down the **[RF]** key to take away the cut paper.
CAUTION: Never try to pull out the remaining paper end by hand. It may cause a paper jam.



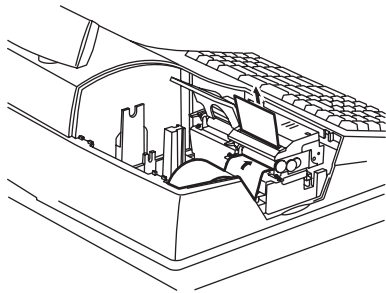
3. Cut the new paper roll's paper end straight to make it sharp.



4. Place the paper roll into the left holder as viewed from the front of the machine so that the paper end will be fed from the bottom.

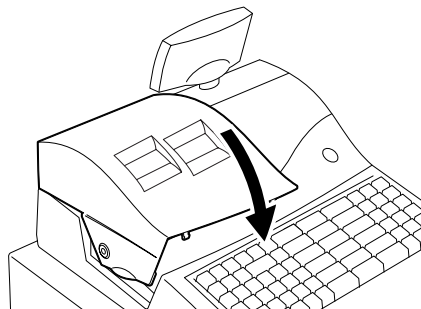


5. Insert the paper end into the receipt inlet behind the printer. Then, manually feed the paper into the printer while pressing the **[RF]** key until about 4 inches (about 10cm) of paper comes out of the printer.

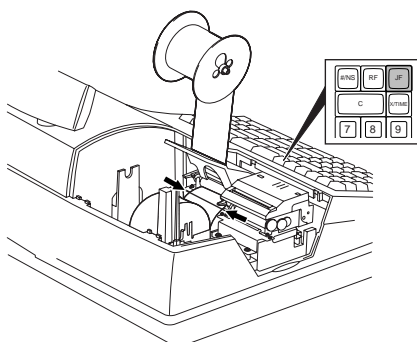


6. First pass the paper through the Receipt Outlet of the Printer Cover, then attach the Printer Cover. After that, depress the **[#/NS]** key to check the print condition and cut the paper with the cutter.

CAUTION: Be sure to attach the Printer Cover to the Top Cover tightly.

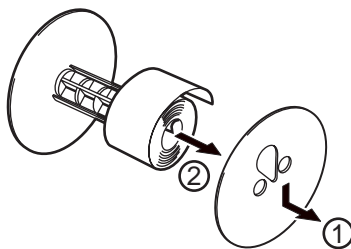


8.2 Installing/Replacing the Journal Roll

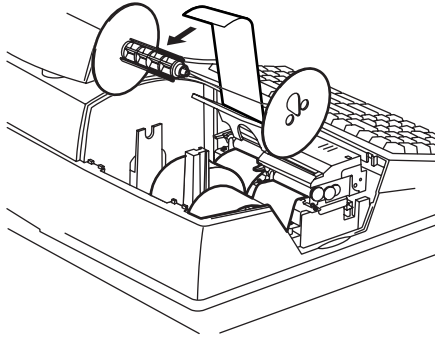


1. When replacing the journal, depress the **[JF]** key to wind up the enough Journal Paper, then cut the paper at the arrow indicating position in the figure on the left. Press down the **[JF]** key to take away the cut paper.

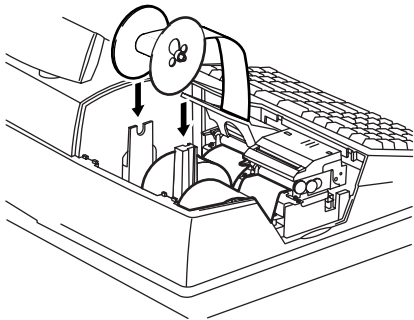
CAUTION: Never try to pull out the remaining paper end by hand. It may cause a paper jam.



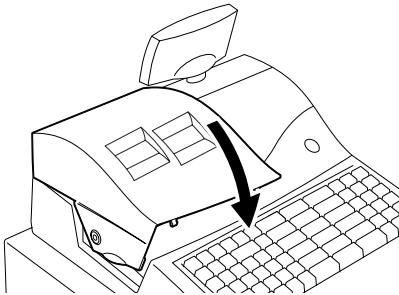
2. Remove the Journal Take-up Reel Ass'y from the holder, then remove the Support Plate (①) to pull the paper out of the reel (②).
3. Follow Steps 3 to 5 of "Installing/Replacing the Receipt Roll" except that the paper roll should be placed right holder and the **[JF]** key should be used for the journal roll to advance about 8 inches (20 cm) of paper out of the printer.



4. Insert the paper end into the slit of the Take-up Reel and wind it around the reel two or three times. Then, set the Support Plate.



5. Set the Journal Take-up Reel Ass'y into the Reel Holder.



6. Attach the Printer Cover. After that, depress the **[/NS]** key to check the print condition.
CAUTION: Be sure to attach the Printer Cover to the Top Cover tightly.

9. REGISTERING PROCEDURE AND PRINT FORMAT

WARNING!

When opening the cash drawer, be careful not to let the drawer hit any person.

Before starting sale entries, read through the following instructions:

TRAINING MODE is available:

If you are a beginner in operating this register, ask the store manager for practicing in the TRAINING MODE.

During your operations, the following may occur:

- **Errors ...**

A tone continuously sounds and an error message appear in the upper row of the Operator Display panel.

The keys on the keyboard are locked. In this case, read the Error Message (refer to the ERROR MESSAGE TABLE, Section 5.1), and depress the **[C]** key to cancel the error status. Then remove the cause of the error and perform the operation again.

- **Printer Error Condition is detected ...**

If the error message "PRINTER" (standard setting: programmable) is displayed in the upper row and "E05" is displayed in the lower row, the printer is locked due to a paper jam, etc. Turn OFF the power, and remove the cause of the motor-lock. Refer to Sections 10 and 11.

Condition setting to start transaction entries

Control Lock:

Insert the "REG" key and set it to the "**REG**" position.

Cashier Sign-ON:

To start a registering operation, it is necessary to sign on with the **[LOG/RECEIPT]** key. (See Section 7.)

Now you are ready for sale entries.

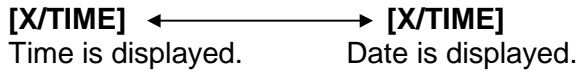
On the following pages are patterns of entering operations, and receipt or journal print format samples due to the operations. In the operation sequence patterns, "|" indicates an input through the numeric keys, "[" indicates a depression of the function key, and "-" indicates other registering and/or finalizing operations.

Please note that these are merely sample operations. Especially, the receipt or journal print indications merely show the standard print format. The actual print format and contents may vary on your machine in accordance with the differences in specifications, program selections, etc.

9.1 Displaying the Date and Time

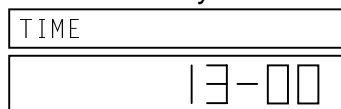
Each time the [X/TIME] key is pressed in the REG mode, time and date are displayed by turns in the AMOUNT area of the display. When the Control Lock position is changed or any entry operation starts, the displayed date or time disappears.

OPERATION (Must be operated outside a sale)

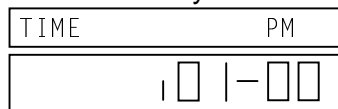


Display Format:

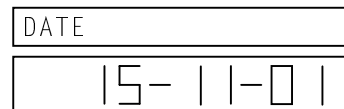
24-hour time system



12-hour time system



Date

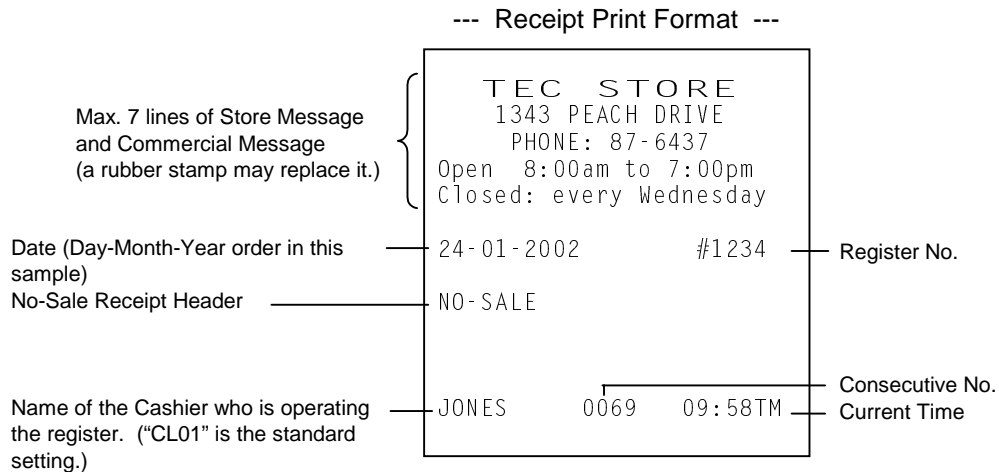


9.2 No-Sale

A No-Sale transaction is used to open the cash drawer without relating to any sales, such as, to exchange, to test the receipt/journal print condition, etc. This operation count is added to the No-Sale Counter of daily report.

OPERATION (Must be operated outside a sale)

[#/NS]..... The drawer opens and a No-Sale Receipt is issued.



- NOTES:**
1. The print format samples in this manual are not copies of actual receipts printed on an ECR but are merely indications of print formats. In those format samples, the bold-face characters indicate Double-sized characters on actual receipts issued by the ECR. Also note that each Double-sized character on actual receipts will be printed a half-character right from the print format sample in this manual.
 2. The slip printing cannot be performed in this operation.
 3. No-sale exchange from foreign currency to domestic currency is unavailable, and vice versa.

9.5 Gasoline Entry

Enter the sale amount of gasoline. The quantity of gasoline is calculated by the preset gasoline unit price.

OPERATION

Same as Open Department Type of DEPARTMENT ENTRY sequence using the Department key which is programmed as a Gasoline Sales department.

|Price| [DEPT]

NOTES:

1. A department should be programmed with Gasoline Sales status and unit price.
2. The calculation result (the quantity of gasoline) will be obtained down to the 3rd digit below the decimal point.
3. The PLU entry and the Repeat entry are unavailable to a Gasoline Sales department.
4. The [FS/M] key operation and the Scale entry are unavailable to a Gasoline Sales department.
5. Gasoline Sales department cannot be used as the Preset type. The sale amount of gasoline must be entered.
6. For a Department programmed with the Food Stamp status and the Gasoline status, the Gasoline entry is unavailable. It will be processed as the Food Stamp Department.
7. The quantity of gasoline calculated will be not displayed but printed.

Example) DEPT10 = Unit price 3.00, with Gasoline status

1000 [DEPT10]
[AT/TL]

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002      #1234

Gasoline      10.00T
 3.333GS      3.00 @
TXBL TL 1     10.00
TAX 1         0.60
CASH          10.60

Bargain sales on every
Tuesday.
Come to save money!
ITEM 1
JONES 0103    11:01TM

```

9.6 PLU Entry (Manual PLU Code Entry)

Each PLU is pre-programmed as the "PRESET" type (with a price programmed) or "OPEN" type (with no price programmed). Perform operation depending on the type selected.

OPERATION

Preset PLU entry

| PLU Code | [PLU]

[PLU Preset-Code Key] of Preset-PLU

Tomato	1.00T
--------	-------

Open PLU entry

| Price | [PRICE] | Open-PLU Code | [PLU]

| Price | [PRICE] [PLU Preset-Code Key] of Open-PLU

PLU000000000000100	1.50
--------------------	------

NOTE: When a PLU is preprogrammed with HALO (High Amount Limit)/LALO (Low Amount Limit), depressing the [LC OPEN] key will release these limits.

9.7 PLU Price Shift Entry

Three different prices can be programmed for each PLU.

OPERATION

[PRICE 1] PLU Entry

[PRICE 2] PLU Entry

[PRICE 3] PLU Entry

NOTE: Either of the following features can be selected by the program option.

- The price shift operation is effective only for the next PLU entry. After the PLU entry, the price of that PLU automatically returns to the 1st price.
- Or, the selected price keeps effective until other PRICE key is depressed.

9.8 PLU Entry through Barcode Scanner

When a barcode scanner is connected, a PLU entry can be done by simply scanning the barcode. It is true in any operation pattern relating to PLU entries (Repeat, Quantity Extension, etc.)

Basic Operation Sequence:

Scan the barcode on the required item (instead of | PLU Code | [PLU]). A short tone sounds when the barcode is successfully scanned.

Manual Entry:

When entering a source code or in-store code manually instead of bar code scanning, the [EAN] key is pressed.

| Source code or In-store code | [EAN]

9.9 Link PLU

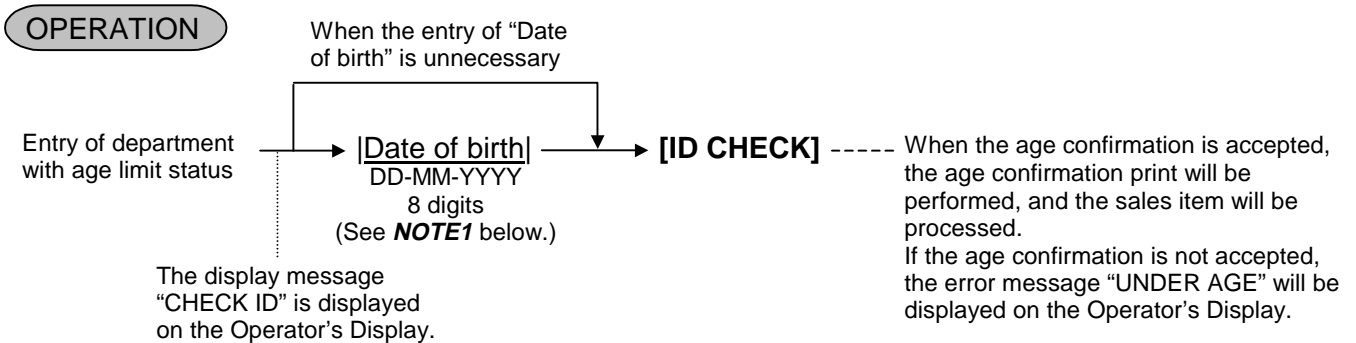
This entry is useful, when the PLU item entry should always be followed by another PLU item sale.

Linked PLU is automatically registered together with entered PLU.

PLU000000000000101	1.00
PLU000000000000102	2.00

9.10 Entry of Sales Item Restricted by Age Limit

This operation checks whether or not a customer satisfies the age limit to purchase an item of which department was programmed as Age Limit.



NOTES:

1. The department with age limit status (or link department for PLU) is applied. The date of birth should be entered just after the department with age limit status (or link department for PLU) was entered. For persons aged up to 150 as of now, the date of birth can be entered.
2. The date of birth should be entered according to the date format. (Year should be entered in 4-digit value.) When the date of birth entry request message "CHECK ID" is displayed, depressing the **[ITEM CORR]** key will cancel an item of Age Limit department.
3. In case a customer does not satisfy the age limit, depressing the **[ID CHECK]** key will result in an error.
4. When "Birthday entry is not compulsory" is programmed, the age confirmation will be omissible.
5. The age limit setting will be released in mode. Items can be entered without age confirmation.
6. The age confirmation is not performed in the Refund and the VOID operations.
7. When the entry of sales item with age limit status causes an error at the beginning of one sale transaction, the ID CHECK will not be printed at the next ordinary item entry. When another sales item with age limit status is entered after the above error occurred, the date of birth should be entered. If the age confirmation is accepted, the ID CHECK is printed.
8. When the entry of sales item with age limit status causes an error in one sale transaction, the ID CHECK will not be printed at the next ordinary item entry. When another sales item with age limit status is entered after the above error occurred, the age confirmation is automatically performed based on the date of birth that has already been entered. If it is accepted, the ID CHECK print and the item entry are performed.

Example) In case a customer aged 26 (date of birth: July 31st, 1976) purchases items (DEPT1=age limit 30, DEPT2=age limit 25) on July 11th, 2002.

```

100
[DEPT1]
07311976
[ID CHECK] The customer's age is under 30, resulting in an error.
200
[DEPT2]
31071976
[ID CHECK] The customer's age is over 25, resulting that the sales item
[AT/TL] can be entered.
    
```

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002 #1234

ID CHECK 31-07-1976
DEPT02 2.00T
SUBTL 2.00
TXBL TL 1 2.00
TAX 1 0.12
CASH 2.12

Bargain sales on every
Tuesday.
Come to save money!
ITEM 1
JONES 0103 11:01TM
    
```

9.11 Repeat Entry

To repeat the same item entry, simply depress the same key repeatedly.

OPERATION

(1) Department Repeat

Open department type

| Price | **[Open DEPT]** **[Same DEPT]**
| Price | **[DEPT SHIFT]** **[DEPT]** **[Same DEPT]**

VEGETABLE	1.00T
VEGETABLE	1.00T

Preset department type

[Preset DEPT] **[Same DEPT]**
[DEPT SHIFT] **[DEPT]** **[Same DEPT]**

(2) PLU repeat

Open PLU type

| Price | **[PRICE]** | Open-PLU Code | **[PLU]** **[Same PLU]**
| Price | **[PRICE]** **[PLU Preset-Code Key]** of Open-PLU **[Same PLU]**

Preset PLU type

| PLU Code | **[PLU]** **[Same PLU]**
[PLU Preset-Code Key] **[Same PLU Preset-Code Key]**

Tomato	1.00T
Tomato	1.00T

Barcode Manual Entry

| Source code or In-store code | **[EAN]** **[EAN]**

NOTE: When each department or PLU is preprogrammed with HALO (High Amount Limit)/LALO (Low Amount Limit), depressing the **[LC OPEN]** key will release these limits. In this case, the Repeat Entry will be performed for the department or PLU released from these limits.

9.12 Quantity Extension (Multiplication) for DEPTs/PLUs

OPERATION

(1) Department Multiplication

Open Department type

Quantity | **[X/TIME]** | Price | **[Open DEPT]**
Quantity | **[X/TIME]** | Price | **[DEPT SHIFT] [DEPT]**

DEPT01	
5 x	3.00 @
	15.00

Preset Department type

Quantity | **[X/TIME]** | **[Preset DEPT]**
Quantity | **[X/TIME]** | **[DEPT SHIFT] [DEPT]**

(2) PLU Multiplication

Open PLU type

Quantity | **[X/TIME]** | Price | **[PRICE]** | Open-PLU Code | **[PLU]**
Quantity | **[X/TIME]** | Price | **[PRICE]** | **[PLU Preset-Code Key]** of Open-PLU

3 x	1.50 @
PLU000000000000100	4.50

Preset PLU type

Quantity | **[X/TIME]** | PLU Code | **[PLU]**
Quantity | **[X/TIME]** | **[PLU Preset Code Key]**

NOTES:

- Quantity is the number consisting of max. 3 integral + 3 decimal digits (Use the **[.]** key to enter the decimals.)
- For the Quantity Extension operation the **[X/TIME]** key is not omissible.
- When each department or PLU is preprogrammed with HALO (High Amount Limit)/LALO (Low Amount Limit), depressing the **[LC OPEN]** key will release these limits.

9.13 Square Multiplication

OPERATION

(1) Department

Open Department type

| Quantity | **[X/TIME]** | Quantity | **[X/TIME]** | Price | **[Open DEPT]**
 | Quantity | **[X/TIME]** | Quantity | **[X/TIME]** | Price | **[DEPT SHIFT] [DEPT]**

Preset Department type

| Quantity | **[X/TIME]** | Quantity | **[X/TIME]** | **[Preset DEPT]**
 | Quantity | **[X/TIME]** | Quantity | **[X/TIME]** | **[DEPT SHIFT] [Preset DEPT]**

(2) PLU

Open PLU type

| Quantity | **[X/TIME]** | Quantity | **[X/TIME]** | Price | **[PRICE]** | Open -PLU Code | **[PLU]**
 | Quantity | **[X/TIME]** | Quantity | **[X/TIME]** | Price | **[PRICE]**
[PLU Preset-Code Key] of Open-PLU

Preset PLU type

| Quantity | **[X/TIME]** | Quantity | **[X/TIME]** | PLU Code | **[PLU]**
 | Quantity | **[X/TIME]** | Quantity | **[X/TIME]** | **[PLU Preset-Code Key]**

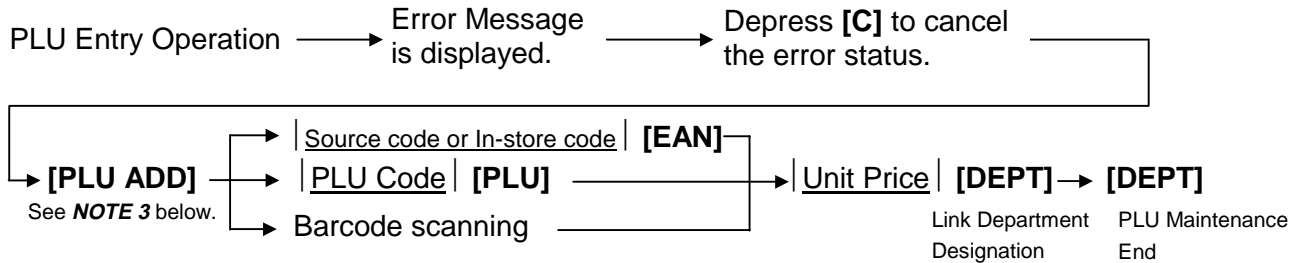
- NOTES:** 1. Quantity: Max. 3 integral + 3 decimal digits (Use the **[.]** key to enter the decimal digits.)
 2. When each department or PLU is preprogrammed with HALO (High Amount Limit)/LALO (Low Amount Limit), depressing the **[LC OPEN]** key will release these limits.

DEPT01		
5x6 x		1.00 @
		30.00
NON TXBL		30.00
CASH	30.00	

9.14 Urgent PLU Maintenance

This operation is intended to enter a PLU item not existing in the PLU file.

OPERATION



- NOTES:**
1. The PLU item entered in this operation is automatically added to the PLU ADDITIONAL FILE, not to the main memory. The PLU status follows that of the linked department. The PLUs added to the PLU ADDITIONAL FILE are merged and sorted when a Maintained PLU report is taken. (Refer to Manager's Guide, Section 3.3.20.)
 2. The price registered in this operation is assigned to Price 1.
 3. To temporarily add PLUs outside a sale transaction, start with this step.
 4. Maximum of 30 PLUs can be added to the PLU ADDITIONAL FILE. To add more than 30 PLUs, it is necessary to take a Maintained PLU report to merge.
 5. The PLU item entered through the scale will be programmed as a Scale PLU.

9.15 HI-CONE PLUs

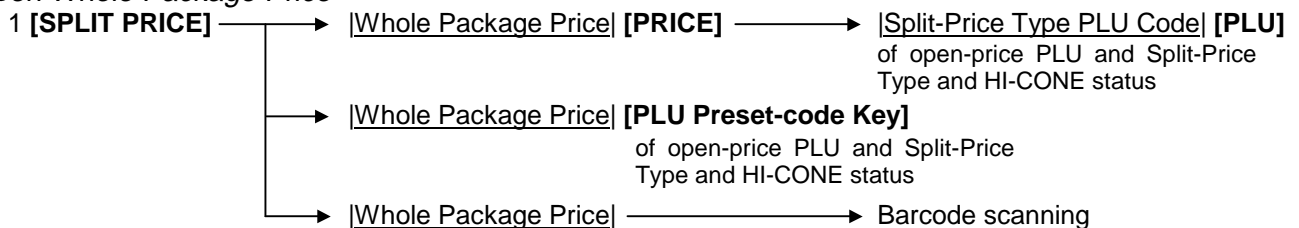
The HI-CONE status can be programmed to each of Split-Price PLUs. If so programmed, the operation patterns for one item entry are as follows.

NOTE: The Repeat Entry is unavailable in this operation.

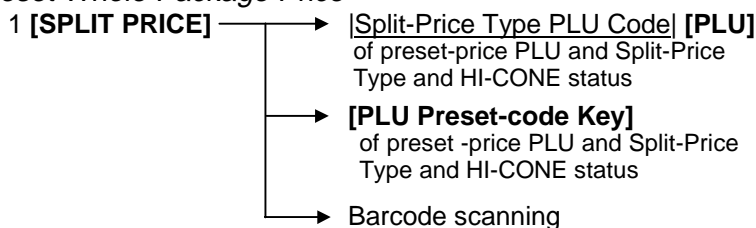
OPERATION

(1) To enter one individual item in the package (one unpacked item):

Open Whole Package Price

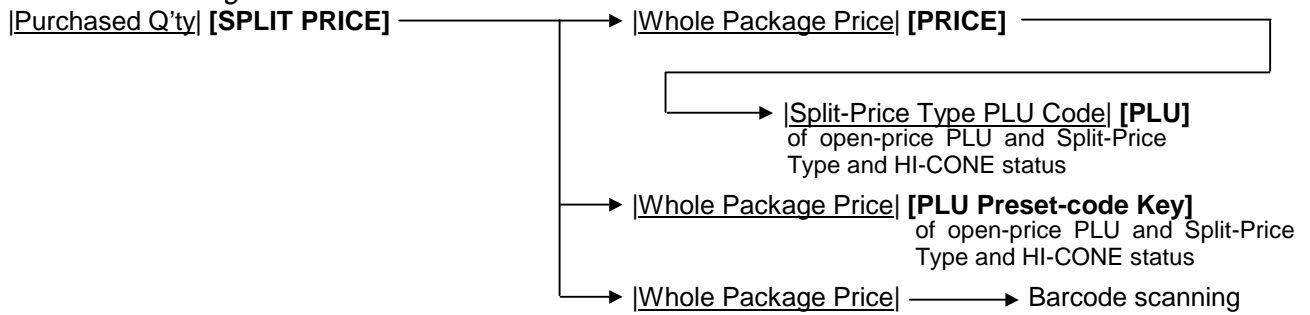


Preset Whole Package Price

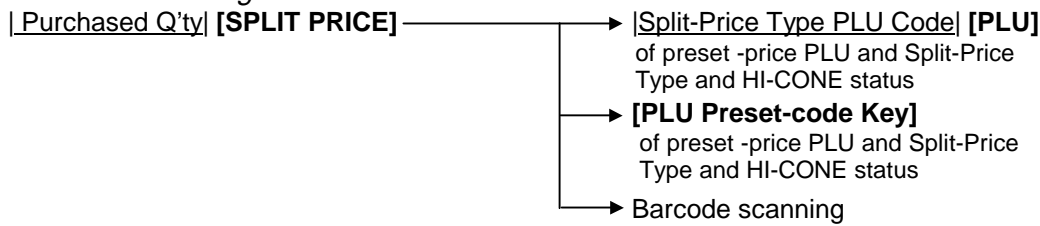


(2) To enter Whole Package Quantity:

Open Whole Package Price



Preset Whole Package Price



Operation Examples of HI-CONE PLUs

1) When PLU No. 1 is programmed with Whole Package Price of \$1.00, Whole Package Quantity of 3, and HI-CONE status. The Split-package Individual Item Price is not preset.

<u>Entry Contents</u>	<u>Key Operation</u>	<u>Sale Amount (Calculation Process)</u>
Quantity 1:	1 [SPLIT PRICE] 1 [PLU]	\$0.34 (\$1.00 ÷ 3 = \$0.333...)
Quantity 2:	2 [SPLIT PRICE] 1 [PLU]	\$0.67 (\$1.00 x 2/3 = \$0.666...) (NOTE)
Quantity 3:	3 [SPLIT PRICE] 1 [PLU]	\$1.00 (Preset Whole Package Price)
Quantity 4:	4 [SPLIT PRICE] 1 [PLU]	\$1.34 (\$1.00 + \$0.34)

NOTE: When the option "ROUND UP UNIT PRICE" is selected, the Sale Amount and the Calculation Process will be as follows:

\$0.68 (\$1.00 ÷ 3 = 33.33 ... rounded up to \$0.34 ... x 2)

2) When PLU No. 1 is programmed with Whole Package Price of \$1.00, Whole Package Quantity of 3, and HI-CONE status. The Split-package Individual Item Price is preset with \$0.40.

<u>Entry Contents</u>	<u>Key Operation</u>	<u>Sale Amount (Calculation Process)</u>
Quantity 1:	1 [SPLIT PRICE] 1 [PLU]	\$0.40 (Preset Individual Item Price)
Quantity 2:	2 [SPLIT PRICE] 1 [PLU]	\$0.80 (Preset Individual Item Price x 2)
Quantity 3:	3 [SPLIT PRICE] 1 [PLU]	\$1.00 (Preset Whole Package Price)
Quantity 4:	4 [SPLIT PRICE] 1 [PLU]	\$1.40 (\$1.00 + \$0.40)

9.16 Mix & Match (M & M) Function of Split-Price PLUs

Each of Split-Price PLUs can be programmed with an M & M Group No. even different PLUs of the same M & M Group No. can be entered within a sale, then an automatic discount is made when the specified number of those PLU items are entered. For example, if two different bottled drink items cost \$1.00 for three bottles, those items can be programmed with the same M & M Group No. to enable Mix & Match sales. To set different PLUs into the same M & M Group, each of the PLUs must be set with the same Whole Package Quantity, same Whole Package Price, and same Split-package Individual Price (if it is set). Otherwise, a wrong calculation will occur in actual entries in a sale.

NOTE: *The Repeat Entry is unavailable in this operation.*

Operation Examples of Mix & Match Functions

Cases 1) Two PLUs (PLU No.1 and PLU No.2) are programmed with Whole Package Quantity of 3, Whole Package Price of \$1.00, and the same M & M Group No.:

1-1) When the PLUs are not programmed with Preset Individual Price

<u>Entry Contents</u> (within one sale)	<u>Key Operation</u>	<u>Sale Amount (Calculation Process)</u>
1 x PLU No.1	1 [SPLIT PRICE] 1 [PLU]	\$0.34 (\$1.00 ÷ 3 = \$0.333 ...)
1 x PLU No.2	1 [SPLIT PRICE] 2 [PLU]	\$0.33 (\$1.00 x 2/3 = \$0.666 ... rounded up to \$0.67 - \$0.34) (NOTE)
1 x PLU No.1	1 [SPLIT PRICE] 1 [PLU]	\$0.33 (\$1.00 - \$0.67) (NOTE)
Sale Total		\$1.00

NOTE: *When the option "ROUND UP UNIT PRICE" is selected, the Sale Amounts on the second and third entries are as follows:*

\$0.34 (instead of \$0.33) (second entry)

\$0.32 (instead of \$0.33) (third entry)

1-2) When the PLUs are programmed with Preset Individual Item Price of \$0.40

<u>Entry Contents</u> (within one sale)	<u>Key Operation</u>	<u>Sale Amount (Calculation Process)</u>
1 x PLU No. 1	1 [SPLIT PRICE] 1 [PLU]	\$0.40 (Preset Individual Item Price)
1 x PLU No. 2	1 [SPLIT PRICE] 2 [PLU]	\$0.40 (Preset Individual Item Price)
1 x PLU No. 1	1 [SPLIT PRICE] 1 [PLU]	\$0.20 (\$1.00 - \$0.80)
Sale Total		\$1.00

Cases 2) Two PLUs (PLU No.1 and PLU No.2) are programmed with Whole Package Quantity of 3, Whole Package Price of \$1.00, and not programmed with the same M & M Group No.:

2-1) When the PLUs are not programmed with Preset Individual Price

<u>Entry Contents</u> (within one sale)	<u>Key Operation</u>	<u>Sale Amount (Calculation Process)</u>
1 x PLU No.1	1 [SPLIT PRICE] 1 [PLU]	\$0.34 (\$1.00 ÷ 3 = \$0.333 ...)
1 x PLU No.2	1 [SPLIT PRICE] 2 [PLU]	\$0.34 (\$1.00 ÷ 3 = \$0.333 ...)
1 x PLU No.1	1 [SPLIT PRICE] 1 [PLU]	\$0.34 (\$1.00 ÷ 3 = \$0.333 ...)
Sale Total		\$1.02

2-2) When the PLUs are programmed with Preset Individual Item Price of \$0.40

<u>Entry Contents</u> (within one sale)	<u>Key Operation</u>	<u>Sale Amount (Calculation Process)</u>
1 x PLU No. 1	1 [SPLIT PRICE] 1 [PLU]	\$0.40 (Preset Individual Item Price)
1 x PLU No. 2	1 [SPLIT PRICE] 2 [PLU]	\$0.40 (Preset Individual Item Price)
1 x PLU No. 1	1 [SPLIT PRICE] 1 [PLU]	\$0.40 (\$1.00 - \$0.80)
Sale Total		\$1.20

NOTES:

1. Calculation methods with/without M & M function
 - (1) Without M & M function, Split-package Individual Item Price is programmed
 A = The quotient of (Entry of Quantity) / (Whole Package Quantity)
 B = The remainder of (Entry of Quantity) / (Whole Package Quantity)
 (Sale Amount) = (A x Whole Package Price) + (B x Preset Individual Item Price)
 - (2) Without M & M function, Split-package Individual Item Price is not programmed
 A = The quotient of (Entry of Quantity) / (Whole Package Quantity)
 B = The remainder of (Entry of Quantity) / (Whole Package Quantity)
 (Sale Amount) = (A x Whole Package Price) + (B x (Whole Package Price / Whole Package Quantity))
 - (3) With M & M function, Split-package Individual Item Price is programmed
 C = The quotient of (Accumulated entry of quantity) / (Whole Package Quantity)
 D = The remainder of (Accumulated entry of quantity) / (Whole Package Quantity)
 (Sale Amount) = (C x Whole Package Price) + (D x Preset Individual Item Price) - (Previous Sale Amount)
 - (4) With M & M function, Split-package Individual Item Price is not programmed
 C = The quotient of (Accumulated entry of quantity) / (Whole Package Quantity)
 D = The remainder of (Accumulated entry of quantity) / (Whole Package Quantity)
 (Sale Amount) = (C x Whole Package Price) + (D x (Whole Package Price / Whole Package Quantity))
 - (Previous Sale Amount)
 - (5) When Whole Package Price is not programmed
 When the Whole Package Price is entered through the keys, the Sale Total will be calculated same as methods (2) and (4) above.
2. The quantity can be entered with up to 2-digit integer.
3. Without entry of quantity, a PLU will be entered with Whole Package Price.
4. With "Cashier interruption is allowed" setting, M & M function is unavailable.
5. With M & M function, up to 99 items can be purchased. When one of 99 sales items is returned or corrected, one item can be entered.
6. Whole Package Price can be entered in the range of 1 to 999999999.
7. Without M & M group setting, the M & M function will be performed for each PLU.

• Correct Operation Method & Example

PLU1		PLU2	
Whole Package Price:	@1.00	Whole Package Price:	@1.00
Whole Package Q'ty:	3	Whole Package Q'ty:	3
Split-package Individual Item Price:	@0.40	Split-package Individual Item Price:	@0.40
Link Department	01	Link Department	02
HI-CONE status:	Available	HI-CONE status:	Available
M & M function:	Available	M & M function:	Available
M & M Group No.:	01	M & M Group No.:	01

Operation example:

1 [SPLIT PRICE] 1 [PLU]	-----	0.40	—————>	①
1 [SPLIT PRICE] 2 [PLU]	-----	0.40	—————>	②
1 [SPLIT PRICE] 2 [PLU]	-----	0.20	—————>	③
[VOID] 1 [SPLIT PRICE] 1 [PLU]	-----	-0.20	—————>	④
[VOID] 1 [SPLIT PRICE] 2 [PLU]	-----	-0.40	—————>	⑤
[VOID] 1 [SPLIT PRICE] 2 [PLU]	-----	-0.40	—————>	⑥

<Method>

When Operations ① to ③ are corrected individually, the amount will be subtracted in the order of ③, ② and ①. Therefore, "0.20" (the amount in ③) will be subtracted in Operation ④, "0.40" (the amount in ②) in Operation ⑤, and "0.40" (the amount in ①) in Operation ⑥, respectively.

Example)

In case the Correct Operation is performed by following the above Method, the final memory of PLU1/Link-Department1 is "0.20", and that of PLU2/Link-Department2 is "-0.20", resulting the total is "0".

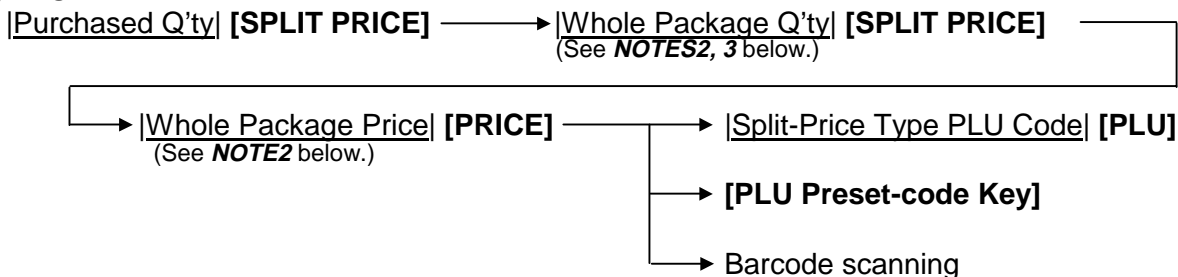
TEC STORE	
1343 PEACH DRIVE	
PHONE: 87-6437	
Open 8:00am to 7:00pm	
Closed: every Wednesday	
24-01-2002	#1234
1 @	3/1.00
PLU0000000000000001	0.40
1 @	3/1.00
PLU0000000000000002	0.40
1 @	3/1.00
PLU0000000000000002	0.20
VOID	
1 @	3/-1.00
PLU0000000000000001	-0.20
VOID	
1 @	3/-1.00
PLU0000000000000002	-0.40
VOID	
1 @	3/-1.00
PLU0000000000000002	-0.40
CASH	0.00
Bargain sales on every Tuesday.	
Come to save money!	
ITEM 0	
JONES 0103	11:01TM

9.17 Split Package Pricing

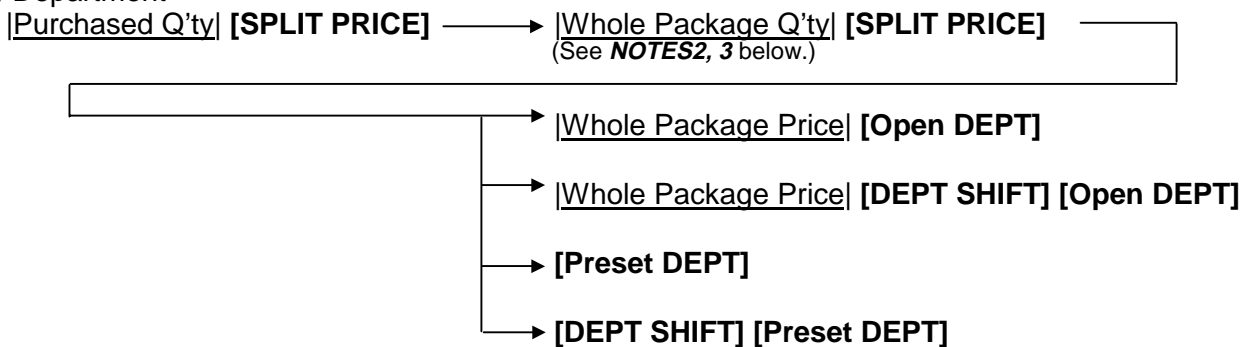
The HI-CONE status can be programmed to each of Split-Price PLUs. And each department can be programmed with the status "Split Package Pricing entry is available".
 If so programmed, the operation patterns for one item entry are as follows.

OPERATION

(1) PLU



(2) Department



- NOTES:**
1. The Split Package Pricing entry is available only for the HI-CONE PLUs and the departments programmed with the status "Split Package Pricing entry is available".
 2. Values entered through the keys are prior to the Preset Individual Item Price and the Whole Package Quantity which were programmed.
 3. With Split-package Individual Item Price setting, "Whole Package Price / Whole Package Quantity" will be calculated by the Whole Package Quantity entry, causing the quotient to be Individual Item Price.
 4. With M & M function, calculation will be performed using Accumulated Purchased Quantity, the latest Whole Package Quantity, and the latest Whole Package Price. (only for the PLU entry)
 5. The Repeat Entry is unavailable in this operation.
 6. This operation cannot be applied to the HASH and NEGATIVE departments.
 7. This operation cannot be applied to the departments programmed with any of the coupon, gasoline, scale, or tare status.

Example of PLU entry)

Whole Package Price: @10.00	Whole Package Price: @10.00
Whole Package Q'ty: 3	Whole Package Q'ty: 3
Split-package Individual Item Price: @3.00	Split-package Individual Item Price: @3.00
HI-CONE status: Available	HI-CONE status: Available
M & M function: None	M & M function: Available
1 [SPLIT PRICE] 1 [PLU] 3.00	1 [SPLIT PRICE] 1 [PLU] 3.00 (300)
1 [SPLIT PRICE] 3 [SPLIT PRICE] 1 [PLU] 3.34	1 [SPLIT PRICE] 3 [SPLIT PRICE] 1 [PLU] 3.68 (367)
1 [SPLIT PRICE] 4 [SPLIT PRICE] 1 [PLU] 2.50	1 [SPLIT PRICE] 4 [SPLIT PRICE] 1 [PLU] 0.82 (83)
1 [SPLIT PRICE] 3 [SPLIT PRICE] 1200 [PRICE] 1 [PLU] 4.00	1 [SPLIT PRICE] 3 [SPLIT PRICE] 1200 [PRICE] 1 [PLU] 8.50 (850)
Total 12.84	Total 16.00

Without M & M function

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002 #1234

1 @ 3/10.00
PLU0000000000000001 3.00
1 @ 3/10.00
PLU0000000000000001 3.34
1 @ 4/10.00
PLU0000000000000001 2.50
PRICE
1 @ 3/12.00
PLU0000000000000001 4.00
NON TXBL 12.84
CASH 12.84

Bargain sales on every
Tuesday.
Come to save money!
ITEM 4
JONES 0103 11:01TM
    
```

With M & M function

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002 #1234

1 @ 3/10.00
PLU0000000000000001 3.00
1 @ 3/10.00
PLU0000000000000001 3.68
1 @ 4/10.00
PLU0000000000000001 0.82
PRICE
1 @ 3/12.00
PLU0000000000000001 8.50
NON TXBL 16.00
CASH 16.00

Bargain sales on every
Tuesday.
Come to save money!
ITEM 4
JONES 0104 11:01TM
    
```

9.18 Returned Merchandise

OPERATION



Example 1:

123 [RTN MDSE]
 10 [DEPT 1]
 [%-]

 [AT/TL]

```

RTN
DEPT01          -1.23
ITEM %-         -10%
                0.12T
NON TXBL        -1.11
CASH            - 1 . 1 1

ITEM  -1
JONES  0041      17:07TM
    
```

Example 2:

2 [RTN MDSE]
 123 [X/TIME]
 10 [DEPT 1]
 [%+]

 [AT/TL]

```

RTN
DEPT01
  2 x           -1.23 @
                -2.46
ITEM %+         10%
                -0.25T
NON TXBL        -2.71
CASH            - 2 . 7 1

ITEM  -2
JONES  0042      17:07TM
    
```

NOTE: This operation cannot be performed for Negative Departments/PLUs.

9.19 Bottle Return

OPERATION

Outside Bottle Return

| Bottle Return Amount | [BTR]

```

BTR              -1.60
CASH            - 1 . 6 0
    
```

Inside Bottle Return

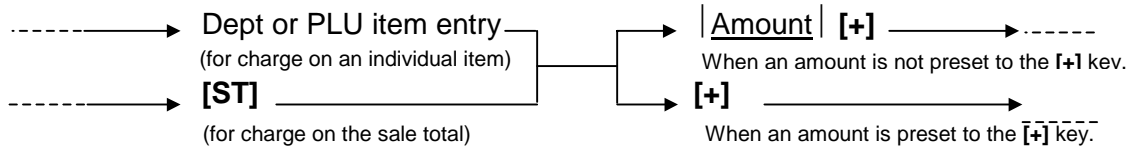
-----> | Bottle Return Amount | [BTR] ----->

```

DEPT01          1.00
DEPT01          2.00
BTR              -1.60
NON TXBL        1.40
CASH            1 . 4 0
    
```

9.20 Amount Charge

OPERATION



Charge on an Individual Item

DEPT01	1.00
ITEM ADD ON	0.10T
SUBTL	1.10
NON TXBL	1.10
CASH	1 . 10

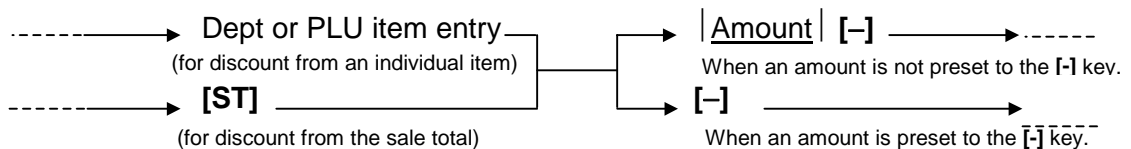
Charge on the sale total

SUBTL	5.00
ADD ON	0.50T
NON TXBL	5.50
CASH	5 . 50

NOTE: This operation cannot be applied to the LINK PLU, or departments and PLUs programmed to be HASH and NEGATIVE.

9.21 Amount Discount

OPERATION



Discount from an Individual Item

DEPT01	1.00
ITEM DISC	-0.10T
SUBTL	0.90
NON TXBL	0.90
CASH	0 . 90

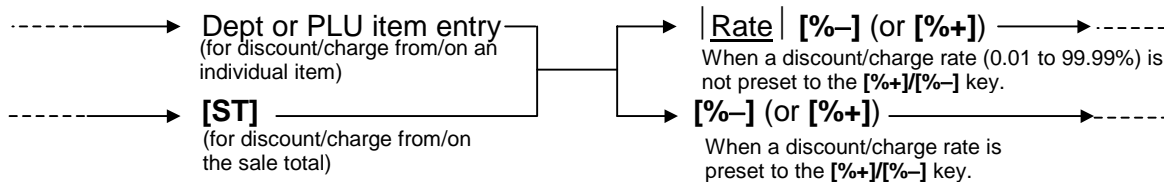
Discount from the sale total

SUBTL	5.00
DISC	-1.00T
NON TXBL	4.00
CASH	4 . 00

- NOTES:**
1. This operation cannot be applied to the LINK PLU, or departments and PLUs programmed to be HASH and NEGATIVE.
 2. The discount amount must not exceed the item amount and the sales amount.

9.22 Percent Discount, Percent Charge

OPERATION



Discount from an Individual Item

DEPT01	3.00
ITEM %-	-5%
	-0.15
SUBTL	2.85

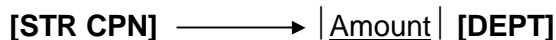
Discount from the sale total

SUBTL	5.00
%-	-10%
	-0.50

NOTE: This operation cannot be applied to the LINK PLU, or departments and PLUs programmed to be HASH and NEGATIVE.

9.23 Store Coupon

OPERATION



DEPT01	10.00
S.CPN	
DEPT01	-1.20
NON TXBL	8.80
CASH	8.80

- NOTES:**
1. An amount is subtracted from the Department memory but a sale item count is not subtracted by this operation.
 2. A store coupon entry will cause an error if operated after a Negative Department or a Hash Department.
 3. You cannot press the [PLU] instead of [DEPT] key.
 4. A store coupon entry will cause an error if operated after pressing the [RTN MDSE] or [VOID] key.
 5. Only the departments programmed to accept a store coupon are available in this operation.
 6. Pressing the [%+], [%-], or [-] key after pressing the [STR CPN] key will cause an error.
 7. Multiplication is unavailable for the Store Coupon.

9.24 Vendor Coupon

OPERATION



SUBTL	5.00
V.CPN	-1.50

9.25 Item Correct

An Item Correct operation is used to delete the last item entered in a transaction.

OPERATION

Sales Item Entries → [ITEM CORR]

DEPT01	3.00
DEPT02	2.00
CORR	
DEPT02	-2.00
DEPT03	1.00
SUBTL	4.00

- NOTES:**
1. When the [ITEM CORR] key is depressed after a Repeat Entry, only the last item of those repeated is deleted.
 2. When the [ITEM CORR] key is depressed after a Quantity Extension entry, the entire product (result of multiplication) will be deleted.

9.26 Void

A VOID operation is used to delete an item already entered that cannot be deleted by the [ITEM CORR] key any longer.

OPERATION

-----→ ([C]) [VOID] → | Error entry | -----
 DEPARTMENT ENTRY
 PLU ENTRY
 QUANTITY EXTENSION
 SQUARE MULTIPLICATION

DEPT10	3.00
DEPT01	1.23
VOID	
DEPT10	-3.00

9.27 All Void

When the current transaction being entered is found to be cancelled before finalizing it, ALL VOID can be operated to delete all the items entered in the transaction.

OPERATION

Sales Item Entries → [ALL VOID] → [ITEM CORR] to execute ALL VOID
 [C] to cancel ALL VOID

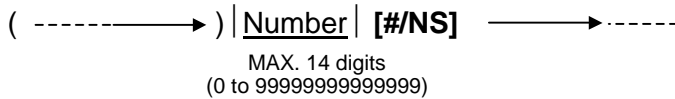
Tomato	1.00T
DEPT01	2.00
SUBTL	3.00
** ALL VD **	

- NOTES:**
1. All void is possible only when the current transaction contains less than 51 items.
 2. This operation cannot be performed in mode.
 3. The slip printing cannot be performed in this operation.
 4. The receipt issue is unavailable.

9.28 Non-Add Number Print

Non-add numbers can be entered and printed for future references, to indicate codes or numbers of customers, media checks, credit cards, etc. The entered numbers do not affect any sale total data.

OPERATION



24-01-2002	#1234
	12345#
DEPT10	3.00
NON TXBL	3.00
CASH	3.00

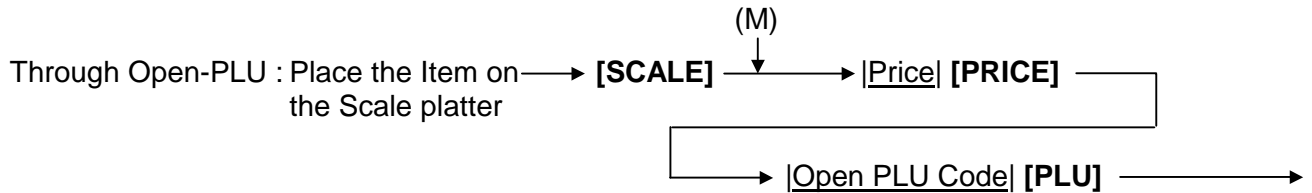
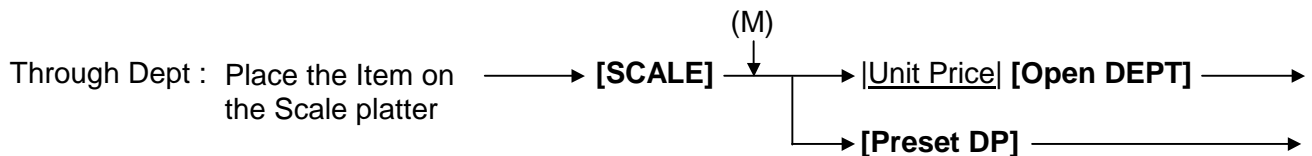
- NOTES:** 1. This number is not added to any total.
 2. No-Sale operation cannot be performed after this operation if programmed so.

9.29 Scale Entry

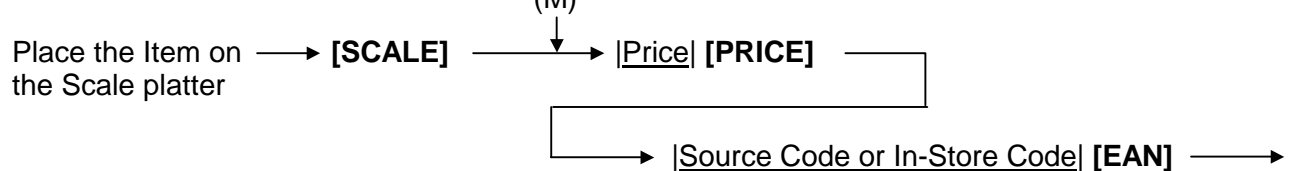
OPERATION

(The department or PLU which scale items are entered must be a Scale-Allow department or PLU.)

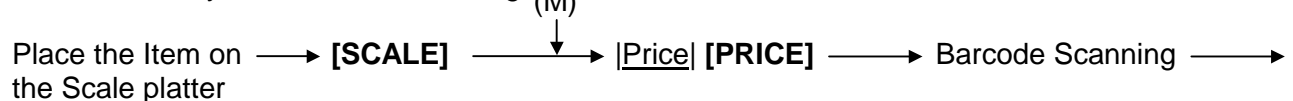
(1) Auto Scale Entry (without tare/tare2, or with tare/tare2 auto-subtraction)



Auto scale entry using the **[EAN]** key:



Auto scale entry with barcode scanning:



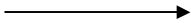
(2) Manual Scale Entry (It may be prohibited by a program option.)

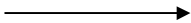


NOTES:

1. Depressing the **[SCALE]** key will display weight.
2. When a PLU is programmed with a Tare Table, the tare weight is automatically subtracted from the scaled weight, resulting that the net weight will be entered.
3. For Manual Scale Entry, Net weight of the item should be entered. In the lowest digit of the Net Weight (Kg), only the value "0" or "5" can be entered.
4. For PLUs programmed with the scale status, the Scale Entry is available without the depression of the **[SCALE]** key. For departments, depressing the **[SCALE]** key is required for the Scale Entry.
5. The Scale entry operation is prohibited for Departments/PLUs with "Prohibition of Scale Entry" status.
6. The Scale entry operation is prohibited for Negative Departments/PLUs.
7. Multiplication and Repeat operations are unavailable.
8. In case the scaled weight is 0, the Scale Entry is unavailable.
9. Weight should be entered manually in mode.
10. Manual Scale Entry is available in mode, even when "Prohibition of Manual Scale Entry" is programmed.
11. While the scale is measuring an item by weight, only the **[C]**, **[PLU]**, **[DP]**, **[DP SHIFT]**, **[Code Preset PLU]** keys and the Numeric keys are available.

(3) Scale Entry with Tare/Tare2

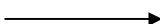


[Tare Table No.] [TARE]  to be continued to the arrows marked with (M) in the previous five operation sequences of the Auto Scale Entry.
1 to 9 (See NOTE1 below.)

[Tare Weight] [TARE2]  to be continued to the arrows marked with (M) in the previous five operation sequences of the Auto Scale Entry.
0.005 to 99.995 (Kg) (See NOTE2 below.)
 or
 0.01 to 99.99 (LB)
 (See NOTE3 below.)

NOTES:

1. By the **[TARE]** key depression, the tare weight with the tare code is automatically subtracted from the scaled weight, resulting that the net weight will be displayed and entered. Tare Weight cannot be entered manually. Entry of a PLU with the Tare Table No. will cause an error.
2. The **[TARE2]** key cannot be used together with the **[TARE]** and the **[SCALE]** keys. The Tare Weight should be entered before the **[TARE2]** key is depressed.
3. In the lowest digit of the Tare Weight (Kg), only the value "0" or "5" can be entered.

(4) Return or Void Manual Scale Entry (It may be prohibited by a program option.)

[RTN MDSE] for Return   to be continued to the top of the "Manual Scale Entry" sequence above.
[VOID] for Void 

9.30 Tax Status or Food Stamp Status Modification

Depress the **[TX1/M]**, **[TX2/M]**, **[TX3/M]**, **[TX4/M]** or **[GST/M]** key prior to or any time during the entry sequence of the required Department, PLU, or any other tax-status-programmable item. The taxable status is reversed to non-taxable, and vice versa. The **[FS/M]** key operates in the same way to alternate the Food Stampable status and the Non-Stampable status of the required item.

9.31 Listing Capacity Open

For Departments and PLUs

Depress the **[LC OPEN]** key prior to or any time during an entry of an open-department, open-PLU, or preset-open department or PLU sequence (including REPEAT and QUANTITY EXTENSION entries). Please note that the **[LC OPEN]** key must be depressed, at latest, before the final key of the entry sequence.

For Media Tender Amounts

Depress the **[LC OPEN]** key before or after the amount but Media key. The High Amount Limit for the media tendering will be released.

9.32 Canadian Tax

The amount equal to or less than the non-taxable amount limit is exempted from TAX 1 and TAX 2.

NOTES:

1. The total of taxable amount for TAX 1 and TAX 2 is compared with the non-taxable amount limit, and:
When the total exceeds the limit, TAX 1 and TAX 2 are charged.
When the total is equal to or less than the limit, the total is exempted from TAX 1 and TAX 2.
TAX 3 is always charged.
2. Non-cyclic break is not applied. %rate only.
3. GST is not charged in addition to Canadian Tax.
4. TAX 2-taxable-only sale is always charged even if the total is less than the limit.

Example)

Non-taxable amount limit: \$12.00

Tax rate: 10%

PLU0001=TAX1, PLU0002=TAX2, PLU0003=TAX3

PLU0001	2.00	T
PLU0002	3.00	T
PLU0003	13.00	T
TAX 3	1.30	
CASH	19.30	

PLU0001	13.00	T
PLU0002	2.00	T
PLU0003	3.00	T
TAX 1	1.30	
TAX 2	0.20	
TAX 3	0.30	
CASH	19.80	

PLU0001	7.00	T
PLU0002	7.00	T
TAX 1	0.70	
TAX 2	0.70	
CASH	15.40	

9.33 Tax Exemption

Amount subject to taxation (i.e. taxable amount) in one sales transaction is exempted.

OPERATION

Selected Tax Exemption in one sales transaction

By depressing the modifier keys of the taxes which you want to exempt and then the **[TX/EX]** key during the sales item entry, the selected taxes will be exempted from the sales transaction.

—————→ **[GST/M]** (or **[TX1/M]**, **[TX2/M]**, **[TX3/M]**, **[TX4/M]**) **[TX/EX]** —————→ Sale Finalization

All Tax Exemption in one sales transaction

By depressing the **[TX/EX]** key during the sales item entry, all the taxes will be exempted from the sales transaction.

—————→ **[TX/EX]** —————→ Sale Finalization

- NOTES:**
1. Numeric value entry and then the **[TX/EX]** key depression causes an error.
 2. In Canadian tax system (TAX 1, 2: Add-on tax, TAX 3, 4: VAT), neither TAX 3 nor TAX 4 exemption is prohibited in the Selected Tax Exemption operation.
 3. In Canadian tax system (TAX 1, 2: Add-on tax, TAX 3, 4: VAT), when one sales transaction contains both Add-on tax and VAT, the All Tax Exemption operation is performed only for Add-on tax (TAX 1, 2). However, when one sales transaction contains VAT only, the **[TX/EX]** key operation causes an error.
 4. Several taxes are selectable for the Selected Tax Exemption operation.
 5. Without sales item entry, the Selected Tax Exemption operation cannot be performed.
 6. The condition after the **[TX/EX]** key depression is not cleared by the **[C]** key depression.
 7. By the **[TX/EX]** key depression, the sale finalization is compulsory causing that only the following key operations are performed before the sale transaction is finalized.
Numeric Keys, **[C]**, **[CUR]**, **[#/NS]**, **[FS TL/TEND]**, **[CHECK No.]**, **[MANUAL CARD#]**, **[OFF LINE AUTH]**, **[LC OPEN]**, **[RF]**, and **[JF]**
 8. After the Tax Exemption operation, any of All Void, Cashier Interrupt, and Hold/Recall operations cannot be performed.

9.34 Subtotal Read

OPERATION

-----→ **[ST]** -----→

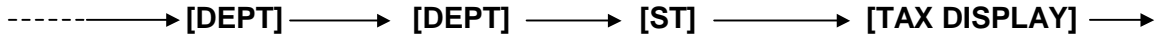
The sale total of the items so far entered is displayed, but the sale is not finalized.
Additional item entries are allowed, if any.

SUBTL	6.25
-------	------

9.35 TAX Total Display

This operation is used to display the Tax total amount by pressing the **[TAX DISPLAY]** key after a subtotal operation.

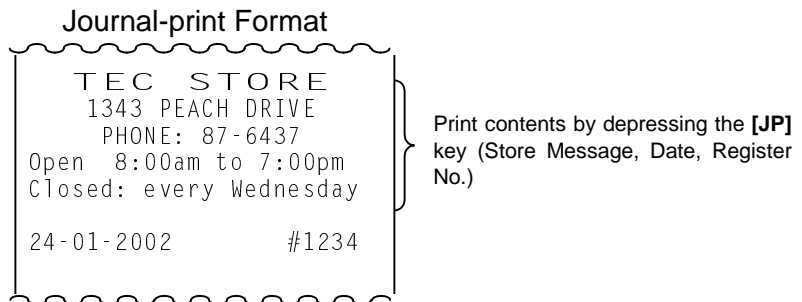
OPERATION



- NOTES:**
1. Pressing the **[TAX DISPLAY]** key is allowed multiple times (only after a subtotal operation).
 2. TAX amount is displayed on the alphanumeric display, and the subtotal amount is displayed on the numeric display.

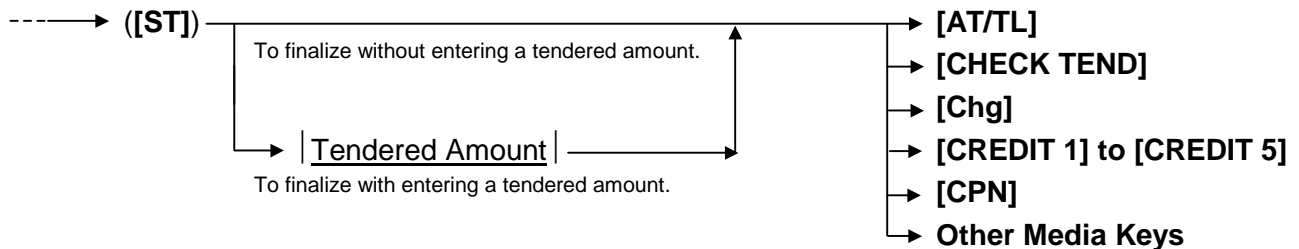
9.36 Journal Print (Thailand Specification)

This operation prints the Store Message, Date, and Register No. on the journal.



9.37 Sales Finalization by Media Key

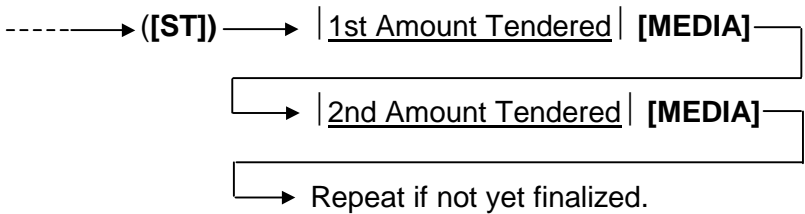
OPERATION



9.38 Multi-Tendering

A Multi-Tendering operation is used to repeat short-tendering multiple times by the same media (allowed only when the media key is programmed to allow short-tendering).

OPERATION



Multi-tendering by [CPN] key.

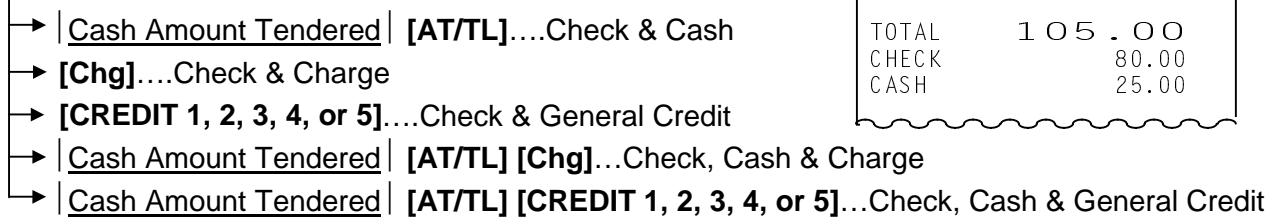
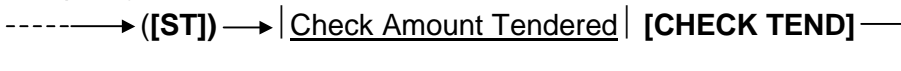
TOTAL	10.00
COUPON	8.00
COUPON	2.00

9.39 Split Tendering

A Split Tendering operation is used to repeat short-tendering multiple times by the different media (allowed only when the media key is programmed to allow short-tendering).

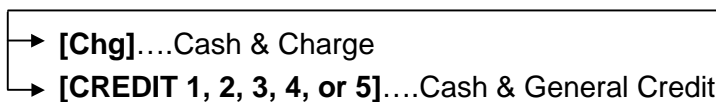
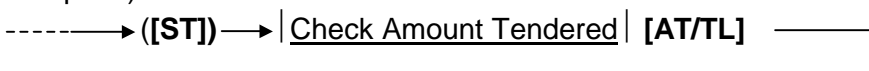
OPERATION

Example 1)



TOTAL	105.00
CHECK	80.00
CASH	25.00

Example 2)



TOTAL	105.00
CASH	50.00
CHARGE	55.00

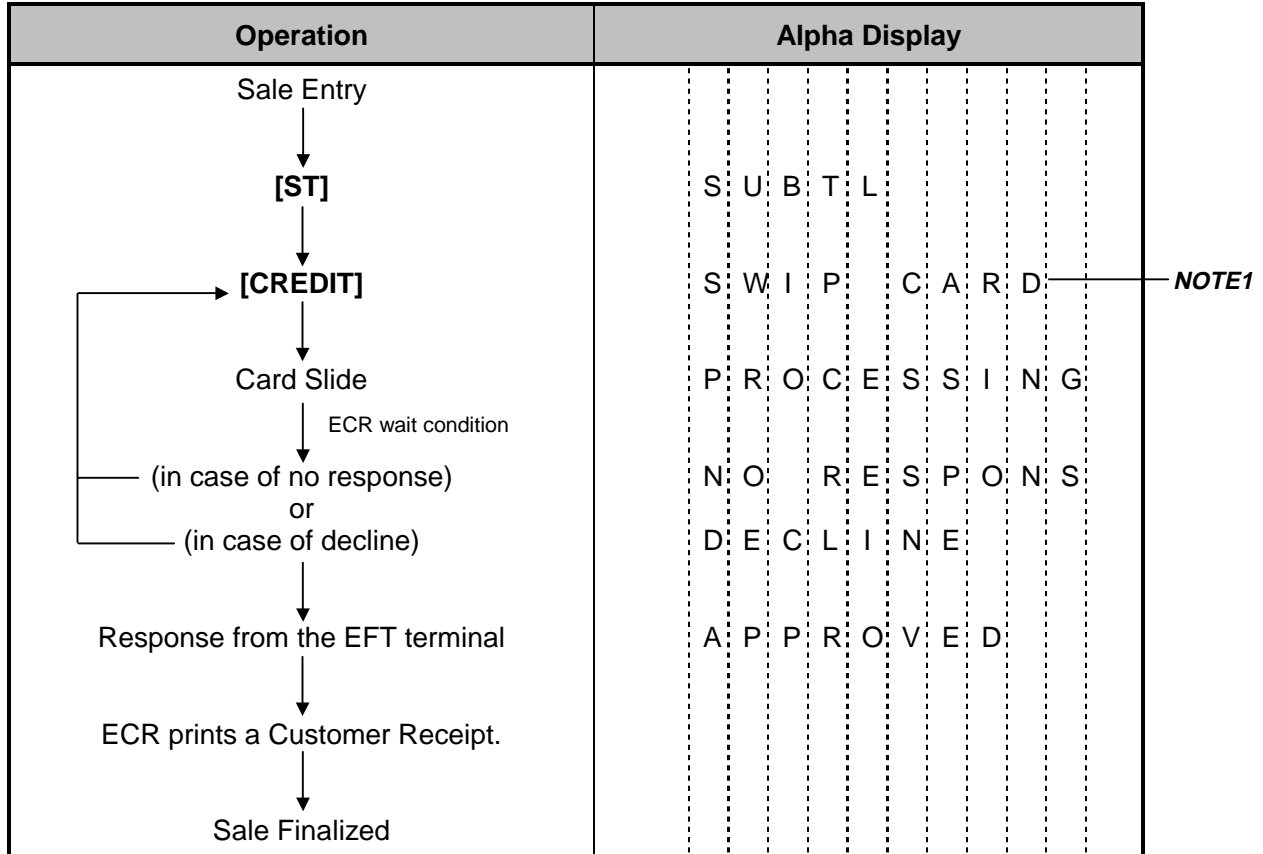
NOTE: In both MULTI-TENDERING and SPLIT TENDERING operations, the sale is finalized and a receipt is issued when the tender amount reaches the sale total amount.

9.40 Sale Finalization by Electronic Fund Transfer (EFT)

Sale transaction by various cards such as credit card is executed via the EFT terminal. In the Receipt-OFF mode and for the 8-digit-or-more amount, payment by the EFT media cannot be made.

OPERATION

(1) Credit Authorization



NOTES: 1. Pressing the [C] key at this point will display the message "EFT CANCEL". Pressing the [C] key again will restore the ECR to the condition being ready for the [CREDIT] key entry.

2. At tendering in Foreign Currency, the EFT media cannot be used.

3. The Receipt Issue operation is unavailable.

4. Training Cashiers are unacceptable to the EFT terminal.

5. Issuance of the Merchant Receipt is selectable.

6. By the program option, the symbol * instead of the card No. and the expiration date will be printed on both the receipt and the journal at the sale finalization by EFT.

When the program option "the symbol * instead of the card No. and the expiration date is printed" has been selected, the card No. and the expiration date are printed as shown below.

Card No.: Numeric values are printed in the lower 4 digits and the symbol * is printed in the other digits.

(Example) ***** 1234

Expiration date: The symbol * is printed in all the digits instead of numeric values.

(Example) **/**

Receipt Sample for Customer

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002          #1234

DEPT01             1.00TF
DEPT02             2.00T
DEPT03             3.00T
SUBTL              6.00
TXBL TL 1          3.00
TAX 1              0.18
TXBL TL 2          3.00
TAX 2              0.13
TXBL TL 3          2.00
TAX 3              0.20
CREDIT             6.51

5999999999999999
EXP DATE           02/12
CARD:              $6.51
APP#               DEMO-1
REF#               *

Bargain sales on every
Tuesday.
Come to save money!
ITEM 3
JONES 0001        09:59TM
    
```

Receipt Sample for Merchant

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002          #1234

MERCHANT COPY

CARD:              $6.51
5999999999999999
EXP DATE           02/12
APP#               DEMO-1
REF#               *

X _____
I AGREE TO PAY ABOVE
TOTAL AMOUNT ACCORDING
TO ISSUER'S AGREEMENT

JONES 0001        09:59TM
    
```

(2) Debit Authorization

Operation	Alpha Display
Sale Entry	S U B T L
[ST]	S W I P C A R D
[DEBIT]	P R O C E S S I N G
Card Slide ECR wait condition	N O R E S P O N S E
(in case of no response)	E N T E R P I N #
Response from the EFT terminal	P R O C E S S I N G
Enter PIN Number ECR wait condition	N O R E S P O N S E
(in case of no response) or (in case of decline)	D E C L I N E
Response from the EFT terminal	A P P R O V E D
ECR prints a Customer Receipt.	
Sale Finalized	

NOTES: 1. Pressing the [C] key at this point will display the message "EFT CANCEL". Pressing the [C] key again will restore the ECR to the condition being ready for the [DEBIT] key entry.

2. At tendering in Foreign Currency, the EFT media cannot be used.

3. The Receipt Issue operation is unavailable.

4. Training Cashiers are unacceptable to the EFT terminal.

5. Issuance of the Merchant Receipt is selectable.

6. Information about the EFT media will not be printed on the slip.

7. By the program option, the symbol * instead of the card No. and the expiration date will be printed on both the receipt and the journal at the sale finalization by EFT.

When the program option "the symbol * instead of the card No. and the expiration date is printed" has been selected, the card No. and the expiration date are printed as shown below.

Card No.: Numeric values are printed in the lower 4 digits and the symbol * is printed in the other digits.

(Example) *****1234

Expiration date: The symbol * is printed in all the digits instead of numeric values.

(Example) **/**

Receipt Sample for Customer

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002          #1234

DEPT01              1.00TF
DEPT02              2.00T
DEPT03              3.00T
SUBTL               6.00
TXBL TL 1           3.00
TAX 1               0.18
TXBL TL 2           3.00
TAX 2               0.13
TXBL TL 3           2.00
TAX 3               0.20
DEBIT               6.51

9999999800000702
EXP DATE           02/12
CARD:              $6.51
APP#               DEMO-1
REF#               *

Bargain sales on every
Tuesday.
Come to save money!
ITEM 3
JONES 0001         09:59TM
    
```

Receipt Sample for Merchant

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002          #1234

MERCHANT COPY

CARD:              $6.51
9999999800000702
EXP DATE           02/12
APP#               DEMO-1
REF#               *

JONES 0001         09:59TM
    
```

(3) Credit and Debit Return

[RTN MDSE] —————> to be continued to the top of "Credit/Debit Authorization" sequence.

Receipt Sample for Customer

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002          #1234

RTN
DEPT01              -1.00TF
SUBTL               -1.00
TXBL TL 1           -1.00
TAX 1               -0.06
CREDIT              - 1.06

5999999999999999
EXP DATE           02/12
REFUND:            $-1.06
APP#               DEMO-1
REF#               *

Bargain sales on every
Tuesday.
Come to save money!
ITEM -1
JONES 0001         09:59TM
    
```

Receipt Sample for Merchant

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002          #1234

MERCHANT COPY

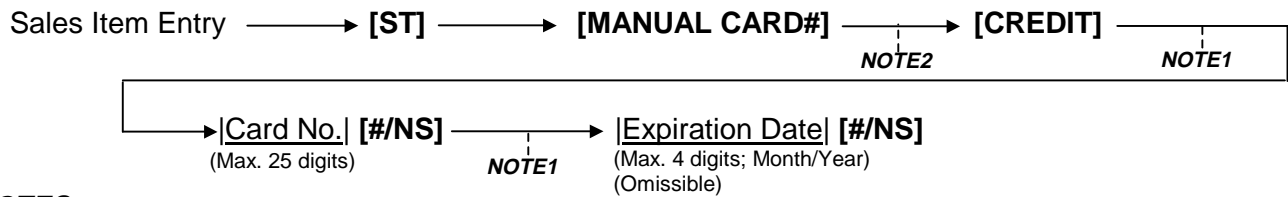
REFUND:            $-1.06
5999999999999999
EXP DATE           02/12
APP#               DEMO-1
REF#               *

X _____
I AGREE TO PAY ABOVE
TOTAL AMOUNT ACCORDING
TO ISSUER'S AGREEMENT

JONES 0001         09:59TM
    
```

(4) Manual Card Number Entry

When the EFT terminal cannot read information contained in a card, the EFT approval entry will be executed by manually entering the card No. and the expiration date on the ECR.



NOTES:

1. Pressing the **[C]** key at this point will display the message "EFT CANCEL". Pressing the **[C]** key again will restore the ECR to the condition being ready for the **[MANUAL CARD#]** key entry.
2. Pressing the **[C]** key at this point will restore the ECR to the condition being ready for the **[MANUAL CARD#]** key entry.
3. Values 0 to 9 should be used to enter the Card No. and the Expiration Date.
4. At tendering in Foreign Currency, the EFT media cannot be used.
5. The Receipt Issue operation is unavailable.
6. Training Cashiers are unacceptable to the EFT terminal.
7. Issuance of the Merchant Receipt is selectable.
8. Information about the EFT media will not be printed on the slip.
9. By the program option, the symbol * instead of the card No. and the expiration date will be printed on both the receipt and the journal at the sale finalization by EFT.

When the program option "the symbol * instead of the card No. and the expiration date is printed" has been selected, the card No. and the expiration date are printed as shown below.

Card No.: Numeric values are printed in the lower 4 digits and the symbol * is printed in the other digits.

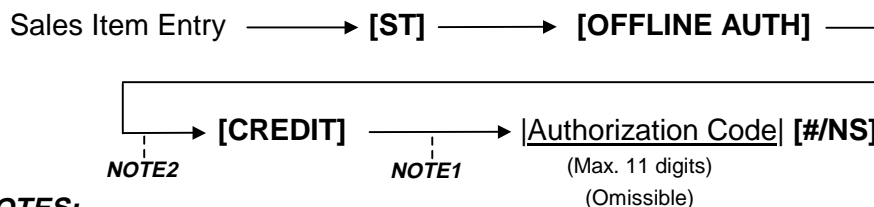
(Example) ***** 1234

Expiration date: The symbol * is printed in all the digits instead of numeric values.

(Example) **/**

(5) Off-line Authorization

When the EFT system is in trouble and down, the EFT can be finalized on the ECR. To obtain the authorization code of the EFT approval, you tell the customer's card data and the amount of purchase to the EFT authorization company on the telephone. **Only a cashier with Supervisor status is allowed this operation.**



NOTES:

1. Pressing the **[C]** key at this point will display the message "EFT CANCEL". Pressing the **[C]** key again will restore the ECR to the condition being ready for the **[OFFLINE AUTH]** key entry.
2. Pressing the **[C]** key at this point will restore the ECR to the condition being ready for the **[OFFLINE AUTH]** key entry.
3. Values 0 to 9 and A to Z should be used to enter the Authorization Code.
4. At tendering in Foreign Currency, the EFT media cannot be used.
5. The Receipt Issue operation is unavailable.
6. Training Cashiers are unacceptable to the EFT terminal.
7. Information about the EFT media will not be printed on the slip.

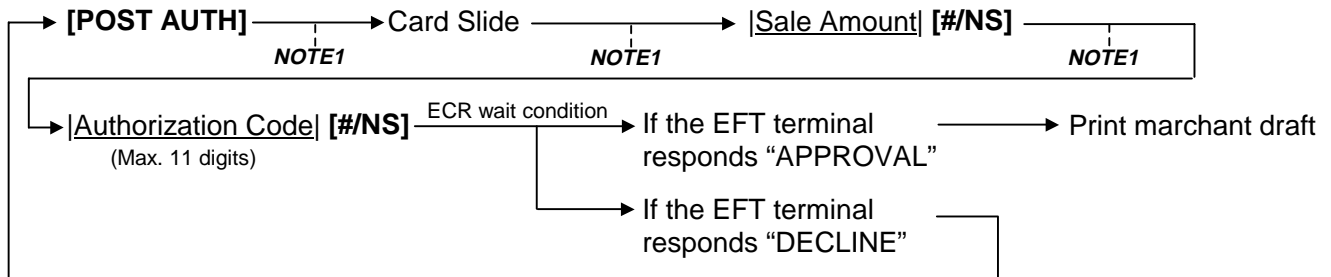
Receipt Sample for Customer

TEC STORE	
1343 PEACH DRIVE	
PHONE: 87-6437	
Open 8:00am to 7:00pm	
Closed: every Wednesday	
24-01-2002	#1234
DEPT01	1.00TF
DEPT02	2.00T
DEPT03	3.00T
SUBTL	6.00
TXBL TL 1	3.00
TAX 1	0.18
TXBL TL 2	3.00
TAX 2	0.13
TXBL TL 3	2.00
TAX 3	0.20
CREDIT	6.51
OFF LINE	
APP#	DEMO-1
Bargain sales on every Tuesday.	
Come to save money!	
ITEM 3	
CLO3 0001	09:59TM

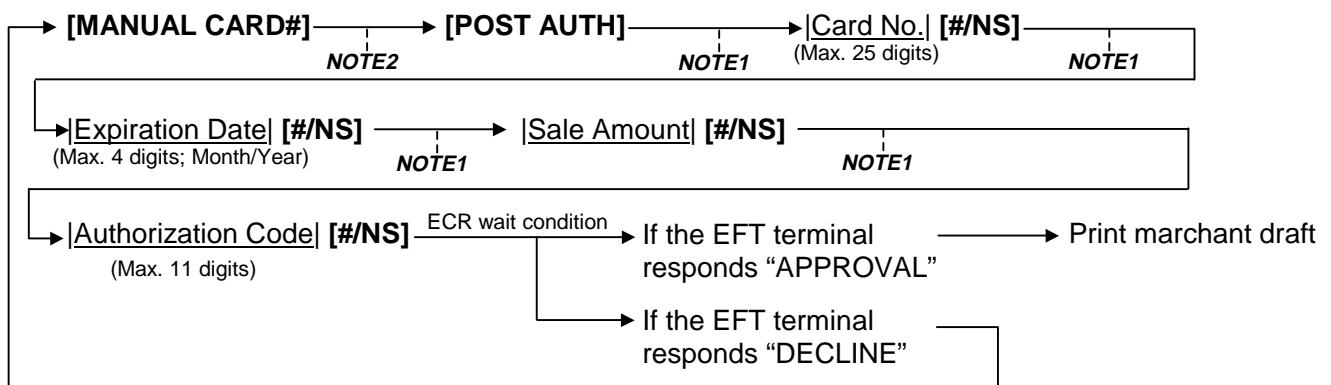
(6) Post Authorization

Only a cashier with Supervisor status is allowed this operation.

- Without Card Number Entry



- With Card Number Entry



NOTES: 1. Pressing the [C] key at this point will display the message "EFT CANCEL". Pressing the [C] key again will restore the ECR to the condition being ready for the [POST AUTH] key entry.

2. Pressing the [C] key at this point will restore the ECR to the condition being ready for the [MANUAL CARD#] key entry.

3. Values 0 to 9 and A to Z should be used to enter the Authorization Code.

4. The Receipt Issue operation is unavailable.

5. Training Cashiers are unacceptable to the EFT terminal.

6. Information about the EFT media will not be printed on the slip.

7. By the program option, the symbol * instead of the card No. and the expiration date will be printed on both the receipt and the journal at the sale finalization by EFT.

When the program option "the symbol * instead of the card No. and the expiration date is printed" has been selected, the card No. and the expiration date are printed as shown below.

Card No.: Numeric values are printed in the lower 4 digits and the symbol * is printed in the other digits.

(Example) *****1234

Expiration date: The symbol * is printed in all the digits instead of numeric values.

(Example) **/**

8. The data that is printed on the receipts issued from the receipt printer will be printed on the journal, except for the signature and the agreement message portions.

Receipt Sample for Merchant
(without Card No. Entry)

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002          #1234

MERCHANT COPY

POST AUTH:          $10.00
599999999999999999
EXP DATE           02/12
APP#               DEMO-1
REF#               *

X _____
I AGREE TO PAY ABOVE
TOTAL AMOUNT ACCORDING
TO ISSUER'S AGREEMENT

CL03   0001   09:59TM
    
```

Receipt Sample for Merchant
(with Card No. Entry)

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002          #1234

MERCHANT COPY

POST AUTH:          $10.00
499999999999999999
EXP DATE           02/12
APP#               DEMO-1
REF#               *

X _____
I AGREE TO PAY ABOVE
TOTAL AMOUNT ACCORDING
TO ISSUER'S AGREEMENT

CL03   0001   09:59TM
    
```

9.41 Preset Price Read

This operation is used to refer to the preset price of a Department or a PLU.

OPERATION

- [READ] [DEPT] ...** Read the Department Preset Price
- [READ] Barcode scanning ...** Read the PLU Preset Price
- [READ] [PLU Preset-Code Key] ...** Read the PLU Preset Price
- [PLU Code] [READ] ...** Read the PLU Preset Price
- [PRICE1 or 2 or 3] [READ] | [PLU Code] | [PLU] ...** Read the PLU Preset Price 1 or 2 or 3
- [PRICE1 or 2 or 3] [READ] [PLU Preset-Code Key] ...** Read the PLU Preset Price 1 or 2 or 3

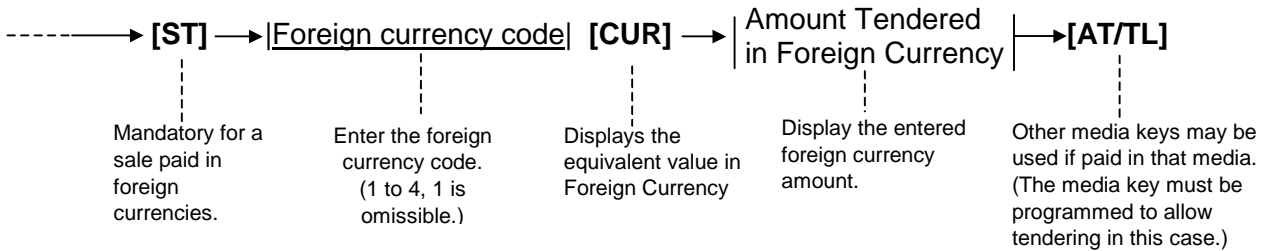
Example)

[READ]	READ	
	C01	0.00

[DEPT 1]	DEPT 1	
	_	1.00

9.42 Sale Paid in Foreign Currencies

OPERATION

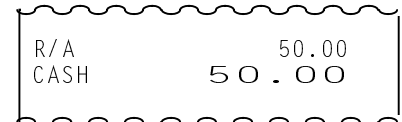


- NOTES:**
- Both change due and balance due are displayed and printed with domestic currency.
 - When the entry of foreign currency code is omitted, it will be processed as tendering with foreign currency 1.

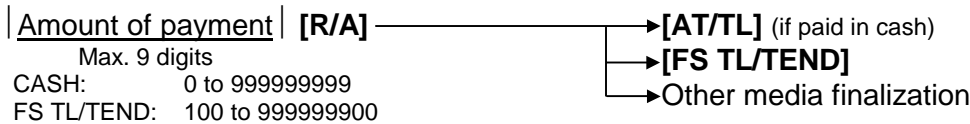
9.43 Received-on-Account

A received-on-account transaction is used to identify money which is in the drawer but not from the daily business.

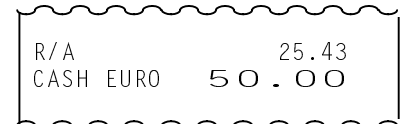
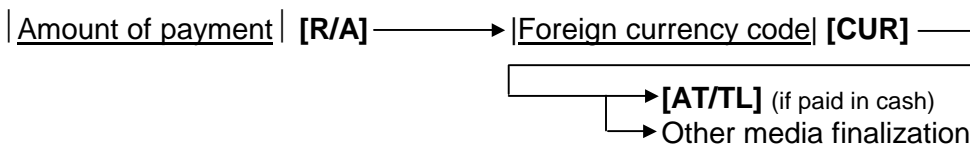
OPERATION (must be operated outside a sale)



(1) Received-on-Account with Domestic Currency



(2) Received-on-Account with Foreign Currency



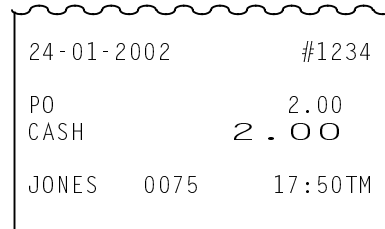
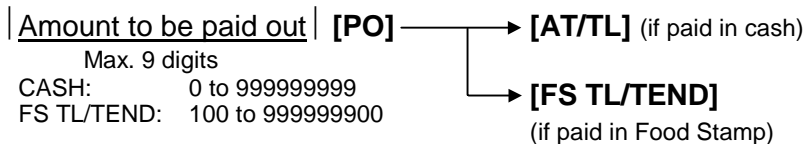
- NOTES:**
- When a received-on-account operation is performed, "R/A" message is displayed in the left column of alphanumeric display.
 - This operation cannot be performed in mode.
 - For the Domestic Currency, the [CHECK TEND] key cannot be used. For the Foreign Currency, the [CHECK TEND] and [FS TL/TEND] keys cannot be used. Other medias depend on each Media Key setting.
 - The slip printing cannot be performed in this operation.

9.44 Paid-out

A paid-out transaction is used when money is removed from the drawer without totaling to a sale.

OPERATION (Must be operated outside a sale)

(1) Paid-Out with Domestic Currency



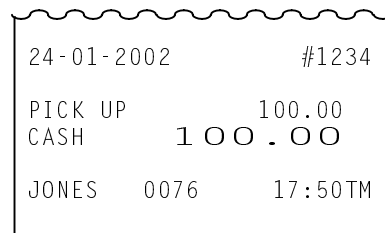
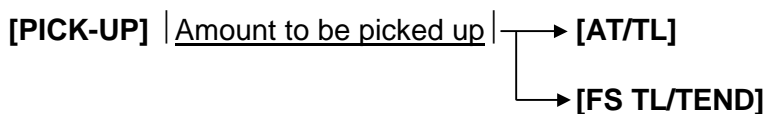
(2) Paid-Out with Foreign Currency



- NOTES:**
1. Only the **[AT/TL]** or **[FS TL/TEND]** key can finalize paid-out operation.
 2. When a Paid-Out operation is performed, "Po" is displayed in the left column of the alphanumeric display.
 3. This operation cannot be performed in mode.
 4. The slip printing cannot be performed in this operation.

9.45 Pick-up

OPERATION



- NOTES:**
1. This operation cannot be performed in mode.
 2. When a pick-up operation is performed, "PICK UP" is displayed in the left column of the alphanumeric display.
 3. Only the **[AT/TL]** or **[FS TL/TEND]** key can finalize pick-up operation.
 4. The slip printing cannot be performed in this operation.

9.48 Food Stamp Tendering

OPERATION



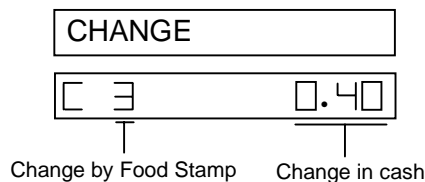
When the tendered amount by Food Stamp is less than the sale total, the sale is not finalized with the balance still due displayed. Then it can be finalized with cash or other media total or tendering operation.

NOTES: 1. Any of the following features can be selected by the program option.

- 1) Normal
The amount including the food stampable tax can be paid by Food Stamp.
- 2) Illinois
Only the amount paid by Food Stamp is exempted from the food stampable tax.
- 3) New Jersey
All food stampable tax is exempted regardless of the amount of Food Stamp.

Change in unit of \$ is paid by Food Stamp, and ¢ is paid by cash.
Change by Food Stamp is displayed in the left column of the display.
No mixture with VAT.

Example: When the change in Food Stamp is \$3.00, the change in cash is \$0.40 (40¢).

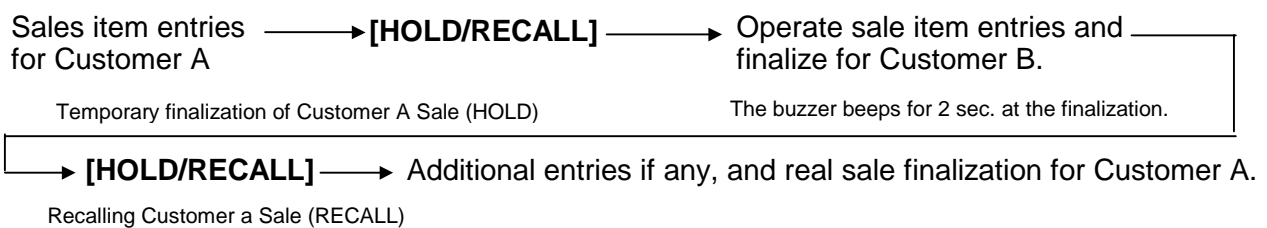


- 2. Short-tendering operation by cent in the food stamp transaction has become available.
- 3. Over-tendering operation by cent in the food stamp transaction is prohibited. However, this operation can be performed by the program option.

9.49 Hold & Recall

You can interrupt one customer's transaction with other customer's transaction.

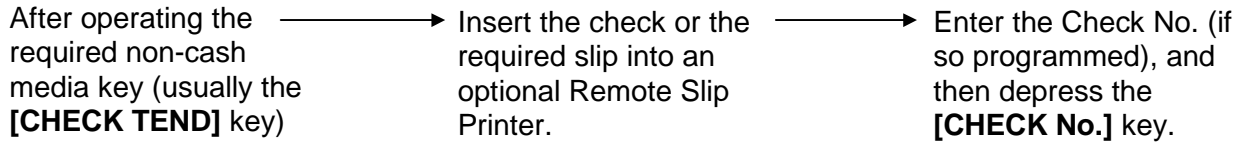
OPERATION



- NOTES:**
- 1. Mode change is prohibited before recalling the suspended transaction.
 - 2. When the number of items in a transaction exceed 50 items, a hold operation cannot be performed.
 - 3. Neither re-hold operation nor cashier interrupt operation can be performed.
 - 4. The slip printing cannot be performed in this operation.

9.50 Endorsement (or France Check) Print

OPERATION



- NOTES:**
1. To print a France Check, no Check No. will be entered. Simply depress the [CEHCK No.] key.
 2. This operation cannot be performed by a training status cashier.
 3. This operation cannot be performed in mode.
 4. If an error occurs on the Remote Slip Printer, printing will be cancelled by pressing the [ITEM CORR] key.

-- Endorsement Print Sample --

US Check Endorsement

```

////////////////////////////////////
          YOUR RECEIPT
          THANK YOU
////////////////////////////////////

01-01-2002          #0000

DEPT02              5.00
NON TXBL            5.00
CHECK               5.00

ITEM 1
CL01  0075          13:40TM
  
```

```

CHECK NO. 12345
TEC STORE
BANKERS CIRCLE, ATLANTA,
U.S.A.

#0000    TOTAL          $5.00
CHECK    CHECK          $5.00
CL01          0075  01-01-2002  13:42TM
  
```

France Check

```

*****€5.00**

*****€5.00**
TEC STORE
AVENUE JEANNE D'ARC, ARCUEIL CEDEX,
FRANCE
CL01          0075  01-01-2002  13:42TM
  
```

9.51 Check Encashment

This operation is performed when a check is changed with cash.

OPERATION

|Amount of a check to be encashed| **[CHECK TEND]**

Max. 10 digits

Example) To encash the check for \$100
10000 **[CHECK TEND]**

NOTES:

1. This operation can be performed in REG or mode.
2. The slip printing cannot be performed in this operation.
3. This operation will be processed into the In-drawer memory.
4. The receipt issue is unavailable.

TEC STORE		
1343 PEACH DRIVE		
PHONE: 87-6437		
Open 8:00am to 7:00pm		
Closed: every Wednesday		
24-01-2002	#1234	
CASHING.....		
CHECK	100.00	
Bargain sales on every		
Tuesday.		
Come to save money!		
JONES	0067	15:49TM

9.52 Media Cashing

Cashing function is available with any of the **[CHARGE]**, **[COUPON]**, **[CREDIT 1]** through **[CREDIT 5]** keys.

OPERATION

|Cashing Amount| **[Media Key]**

(1 to 9999999999)

Any of the **[CHARGE]**, **[COUPON]**, **[CREDIT 1]**
through **[CREDIT 5]** keys

NOTES:

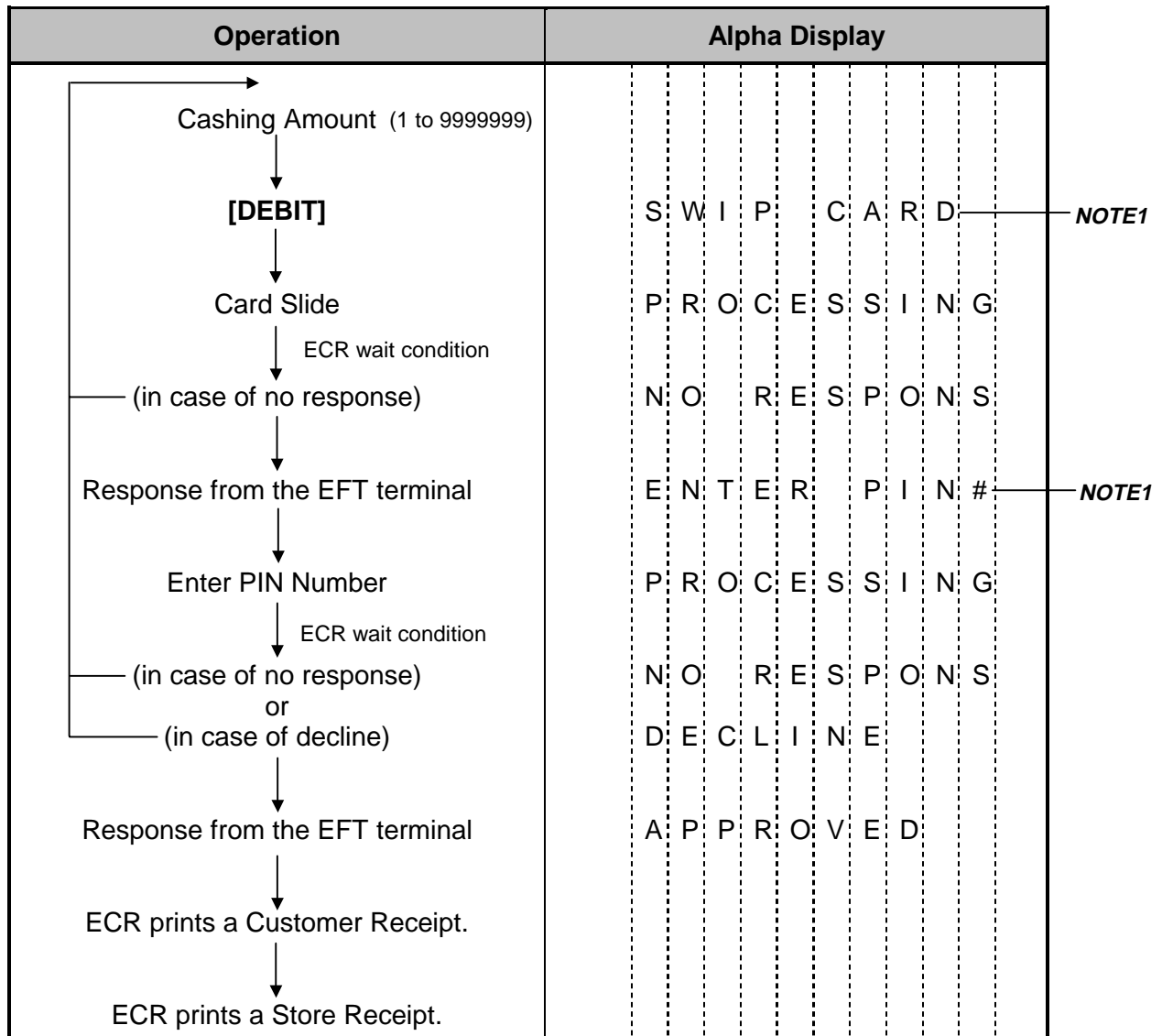
1. Cashing Amount must be entered.
2. This operation can be performed in REG or mode. In mode, it works as a Media Cashing Return operation.
3. This operation cannot be performed during a sale. (i.e. it can be performed outside a sale.)
4. The Receipt Issue operation is unavailable. However, it is available only one time in Receipt-OFF mode.
5. The Endorsement Print after the Media Cashing cannot be performed.
6. In this operation, all the Media Tender Key status settings will be ignored.
7. This operation will be processed into the in-drawer memory.
8. The Slip Printing cannot be performed in this operation.
9. This operation can be performed by training cashiers also. (In this case, the training header is printed both on the receipt and on the journal.)

9.53 EFT Cashing

(1) Debit Cashing

Debit Card Cashing is performed here.

OPERATION

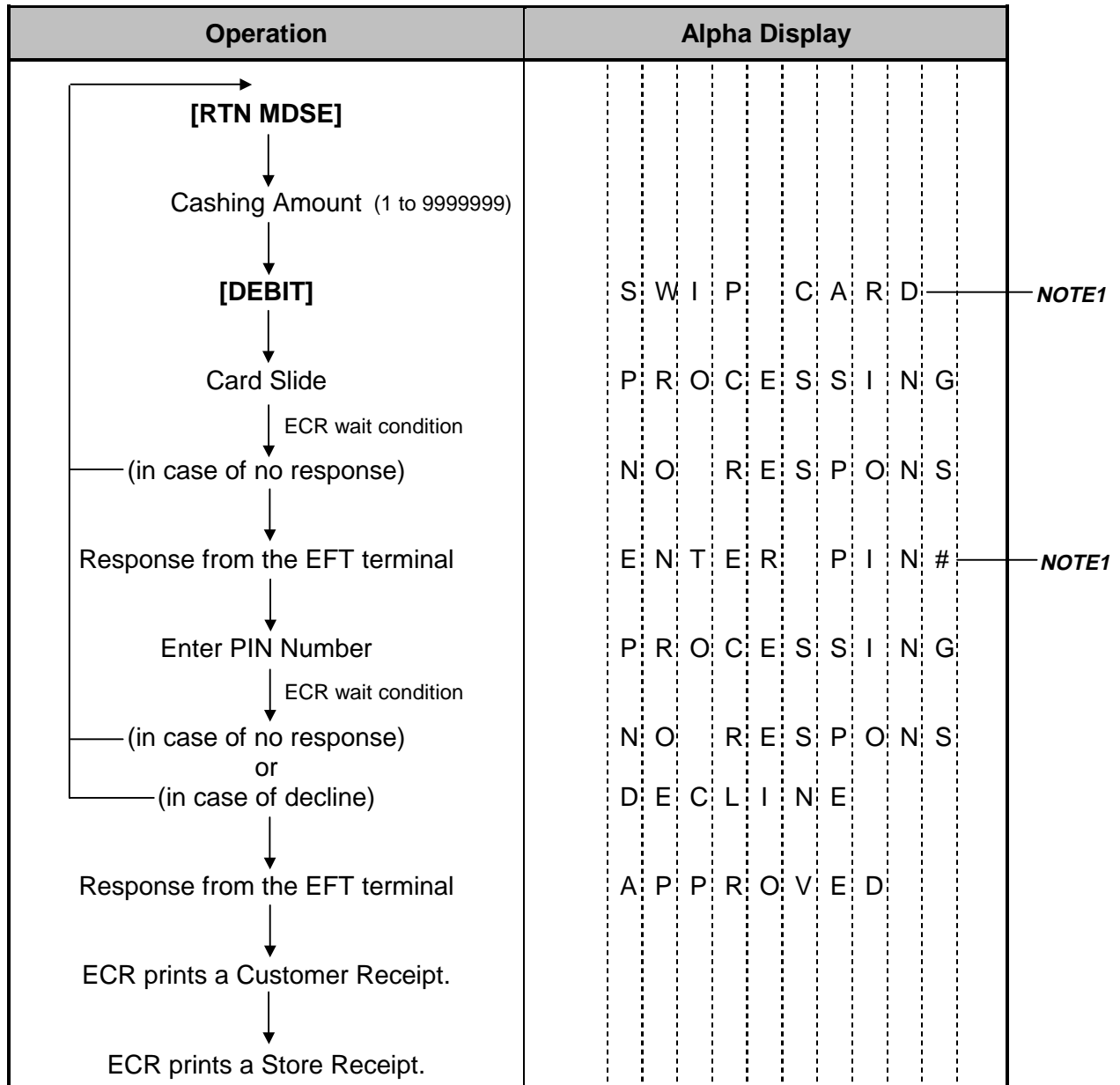


NOTES:

1. Pressing the [C] key at this point will display the message "EFT CANCEL". Pressing the [C] key again will restore the ECR to the condition being ready for the [DEBIT] key entry.
2. Cashing Amount must be entered.
3. During a sale, this operation works as the sale transaction by the Debit card via the EFT terminal.
4. The Receipt Issue operation is unavailable.
5. The Endorsement Print after the Debit Cashing cannot be performed.
6. In this operation, all the Media Tender Key status settings will be ignored.
7. This operation will be processed into the in-drawer memory.
8. The Slip Printing cannot be performed in this operation.
9. None of the Store Receipt is issued when the training cashier performs this operation.
10. By the program option, the symbol * instead of the card No. and the expiration date are printed on both the customer receipt and the store receipt. In this case, numeric values are printed in the lower 4 digits of the card No. only and the symbol * is printed in the other digits.

(2) Debit Cashing Return
Debit Cashing Return operation is performed here.

OPERATION



NOTES:

1. Pressing the [C] key at this point will display the message "EFT CANCEL". Pressing the [C] key again will restore the ECR to the condition being ready for the [DEBIT] key entry.
2. Cashing Amount must be entered.
3. During a sale, this operation works as the sale transaction by the Debit card via the EFT terminal.
4. The Receipt Issue operation is unavailable.
5. The Endorsement Print after the Debit Cashing cannot be performed.
6. In this operation, all the Media Tender Key status settings will be ignored.
7. This operation will be processed into the in-drawer memory.
8. The Slip Printing cannot be performed in this operation.
9. None of the Store Receipt is issued when the training cashier performs this operation.
10. By the program option, the symbol * instead of the card No. and the expiration date are printed on both the customer receipt and the store receipt. In this case, numeric values are printed in the lower 4 digits of the card No. only and the symbol * is printed in the other digits.

9.54 Remote Slip Printer (Hardware Option) Operation

The Remote Slip Printer may be connected to the MA-1535 series ECR as an optional device. The Remote Slip Printer will operate printing if a slip is properly inserted.

1. The remote slip printer will automatically activate printing when the slip has properly been set to the printer table.
2. The following are selective status programmable relating to the remote slip printer. Ask the store manager and mark the status selected for your store.
 - Remote Slip Print in "REG" mode
 - Code No. (Cheque No.) Entry Before **[CHECK NO.]** key at Endorsement Print (Refer to ENDORSEMENT PRINT operation already stated.)
 - Print selection by **[CHECK NO.]** key

9.55 When a Power Failure Occurs ...

If a power failure occurs, all sales data stored in the memory are automatically protected by the battery installed in the ECR. As the power returns, the register revives to continue the work and displays the last item entered before the power failure.

10. ECR PRINTER MOTOR LOCK DETECTOR

- (1) This detects the printer motor lock condition caused by some trouble.
- (2) When such a condition is detected, the front display indicates "PRINTER" (Programmable).
- (3) To regain the normal condition, turn the power of the ECR to OFF, remove the cause of the motor lock, and then turn the power to ON again.
- (4) Press the **[C]** key to resume printing.

11. REMOTE SLIP PRINTER MOTOR LOCK DETECTOR

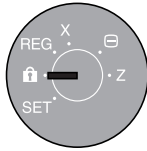
- (1) This detects the remote slip printer motor lock condition caused by some trouble.
- (2) When such a condition is detected, the front display indicates "SP ERROR" (Programmable) and none of the keys will be accepted.
- (3) To regain the normal condition, turn the powers of the ECR and the remote slip printer to OFF, remove the cause of the motor lock, and then turn the powers to ON again.
* If the cause cannot be found in the remote slip printer and only the ECR may be required to work temporarily without the remote slip printer, remove the remote printer cable from the ECR, and turn the power of the ECR to ON.

12. GENERAL MAINTENANCE

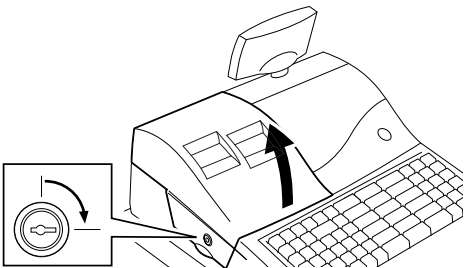
WARNING!

Care must be taken not to injure yourself with the paper cutter.

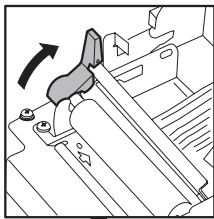
12.1 Removing Jammed Paper



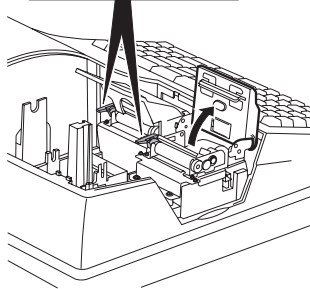
1. Turn the Control Lock to the OFF position using the Mode Selector Key.



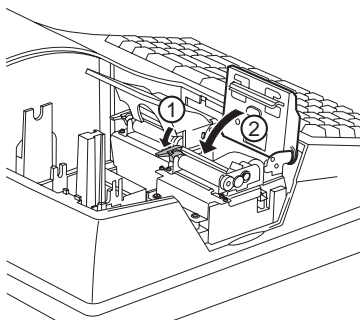
2. To remove the Printer Cover, inset the Printer Cover Key to the Printer Cover Lock, and then turn it clockwise.



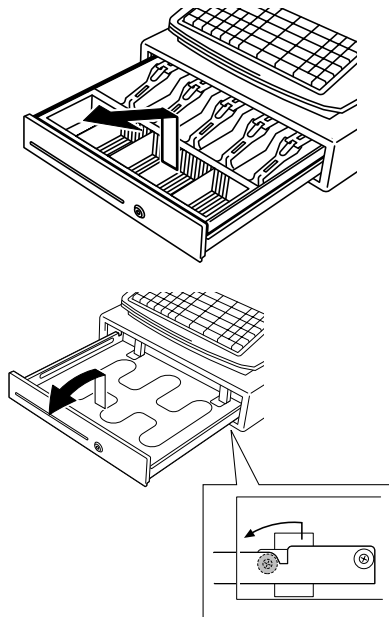
3. Open the Cutter Unit when the paper jam occurred in the Receipt Printer. Move the Paper Free Lever in the direction of the arrow, and remove the jammed paper.



4. Return the Paper Free Lever in position. Close the Cutter Unit for the Receipt Printer. Re-load the Paper Roll. (Refer to Section 8 INSTALLING AND REPLACING THE RECEIPT AND JOURNAL ROLLS.)



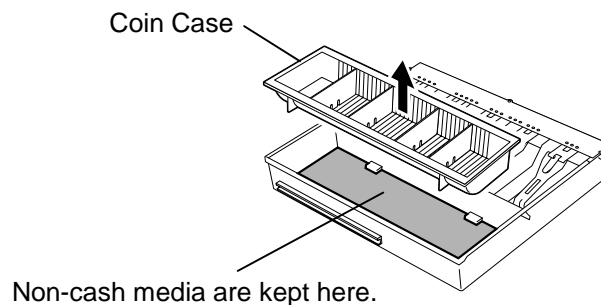
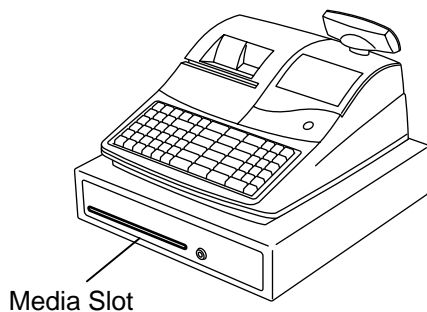
12.2 Removing the Drawer



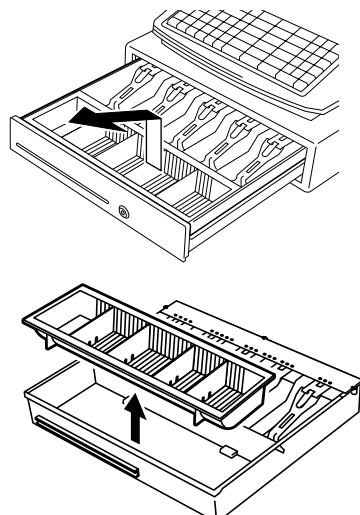
1. Open the drawer, then take the Money Case out.
2. Pull the drawer out, and when it stops by the stopper, lift the drawer up and pull it again.

12.3 Media Slot

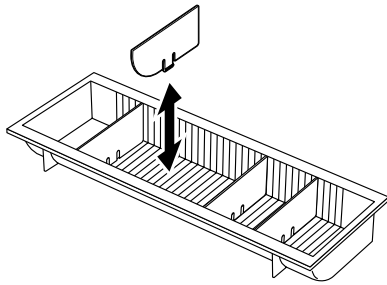
The Media Slot provided at the front of the drawer is used to put non-cash media such as check in the drawer without opening it. The non-cash media put from this slot are kept under the Coin Case, therefore you can keep them in secret.



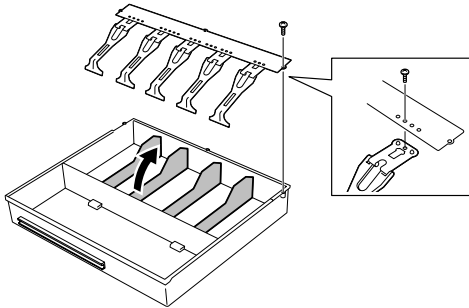
12.4 Changing the Layout of the Money Case



1. Open the drawer, then take the Money Case out.
2. Remove the Coin Case from the Money Case.

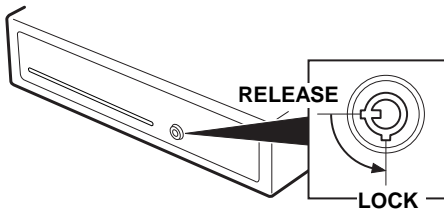


3. To remove the Partition from the Coin Case, pull the Partition upward. Set the Partition in the groove where you like, then push down the Partition.



4. To change the layout of the Bill Case, it is necessary to remove the Bill Holder. To remove the Bill Holder, remove the three screws to detach the Bill Holder Ass'y from the Money Case. Then remove the screw to detach the Bill Holder from the Plate. To remove the Partition, pull it upward.

12.5 Drawer Key



Insert the Drawer Key into the Drawer Key Lock, then turn it 90° counterclockwise to lock the Drawer.

13. SPECIFICATIONS

Item	Description
Size	410 mm (width) x 430 mm (depth) x 335 mm (height) (height including rubber feet)
Weight	12.5 kg
Power Requirement:	AC 117V±10%, 60 Hz±10%, 0.46A
Ambient Temperature	0°C to 34°C
Relative Humidity	10% to 80% (No condensation)
Memory Protection	Long lasting rechargeable lithium battery is provided.
Paper Width	57.5±0.5mm
Outer Roll Diameter	Max. Ø80mm
Paper Type	Thermal paper rolled with the print side facing outside. Only paper rolled onto a core is acceptable, however, the paper end should not be pasted to the core. Recommended paper type: KF50 (KANZAN) TF50KS-E2C (Nippon Paper Industries) P-350 (KSP)

CAUTION!

Use only paper which meets specified requirements. Use of non-specified paper may shorten the head life of the printer, resulting in problems with print quality, cause a paper feed failure or shorten the cutter life. All paper should be handled with care to avoid any damage to the paper. Read the following guideline carefully.

- Do not store the paper for longer than the manufacturer's recommended shelf life.
- Store the paper in a cool, dry place. Avoid areas where they would be exposed to direct sunlight, high temperature, high humidity, dust or gas.
- A contact of chemical or oil may discolour or erase the printed record.
- Rubbing the paper hard with nail or hard object may discolour the paper.
- The paper end should not be pasted to the core.

For further information please contact your authorised TOSHIBA TEC representative or authorised paper manufacturer.

2. MANAGER'S GUIDE

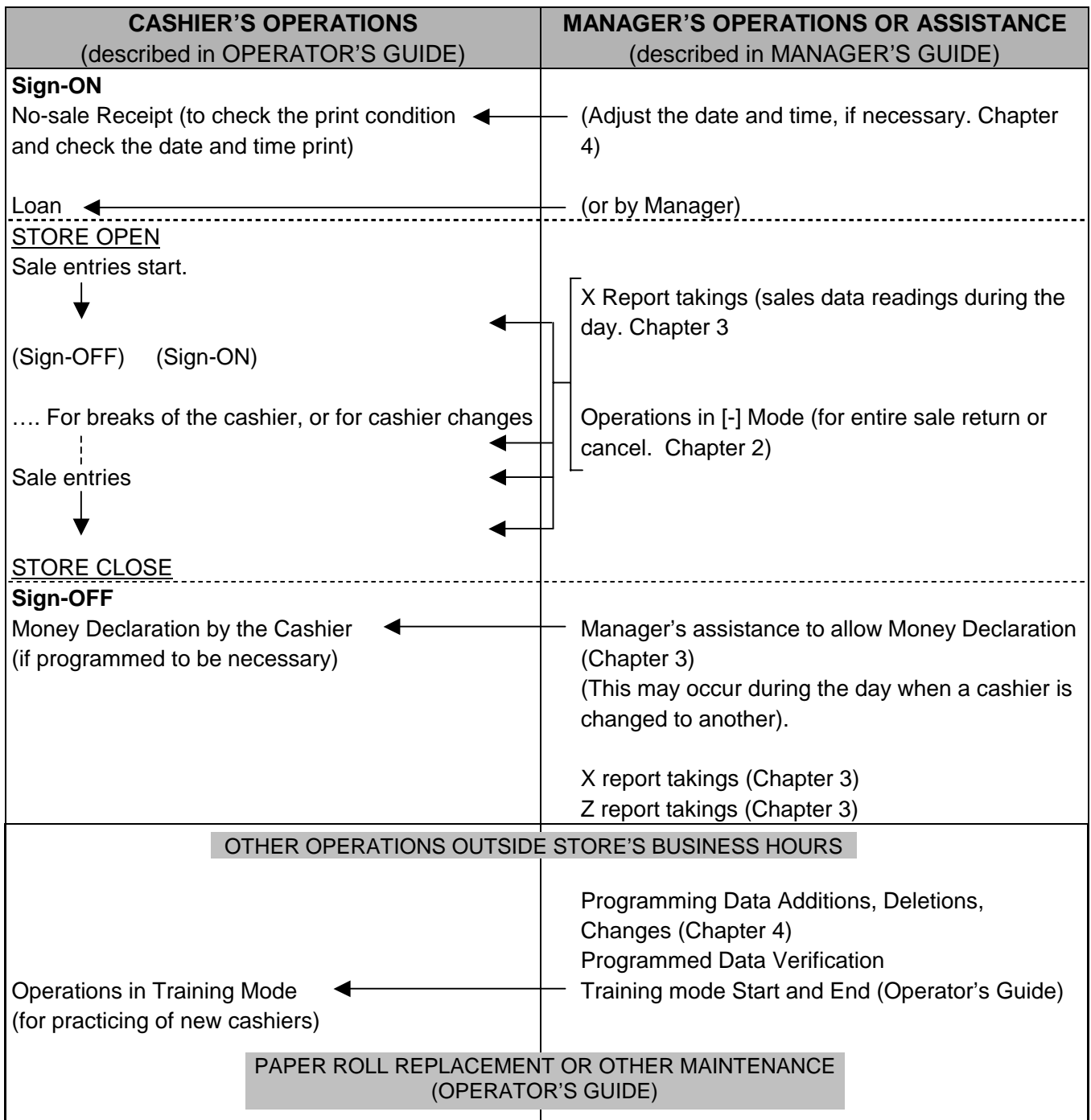
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1. DAILY OPERATION FLOW

The following shows the typical flow of daily operations on the ECR.



2. OPERATIONS IN [-] MODE

This chapter describes operations to be performed in the "[-]" position of the Control Lock, which the Store Owner or a person so authorized can access using the MA key.

Instead of using the [RTN MDSE] or [VOID] key in the "REG" mode for deleting individual sale items, the "[-]" mode automatically processes positive items into negative and negative into positive. To operate, turn the Control Lock to the "[-]" position using the MA key, and enter the items one by one, just as in the "REG" mode as reading the sale receipt (issued at the time of the purchase or tracing the returned items as if the "REG" mode. A positive balance resulted in the "[-]" mode indicates the amount to be paid back to the customer. The "[-]" mode operation may occur from time to time during the day, on the cashier's request, just as in the case of ordinary Manager Interventions, when a customer comes to the cashier counter to return or cancel all the items that were once purchased and finalized (in which case the All Void operation is no longer effective.)

2.1 Ordinary Operations in "[-]" Mode

Except those described in the next sections 2.2 and 2.3, all the sales items that were entered in "REG" at the time of purchase may be entered in the "[-]" mode in the same way so operated at the time of purchase.

Receipt Samples in "REG" and "[-]"

Receipt issued in "REG" mode

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002      #1234

DEPT01          1.00T
DEPT02          2.00
ITEM %-         -10%
                -0.20
SUBTL           2.80
TXBL TL 1       1.00
TAX 1           0.09
NET TL 1        0.91
NON TXBL        1.80
CASH            2 . 80

ITEM 2
JONES 0008      13:22TM

```

These two receipts contain the same sale items and media finalization. The operations are also the same except the Control Lock position.

The cashier merely follows the purchase receipt (on the left) and enters the same items in the [-] position, finalizing with the same media in case a customer has returned or cancelled the entire sale after the cashier had finalized that sale.

The [-] mode header (*REG-* in this example) is printed at the top of the sale contents in the [-] mode receipt.

Receipt issued in "[-]" mode

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002      #1234

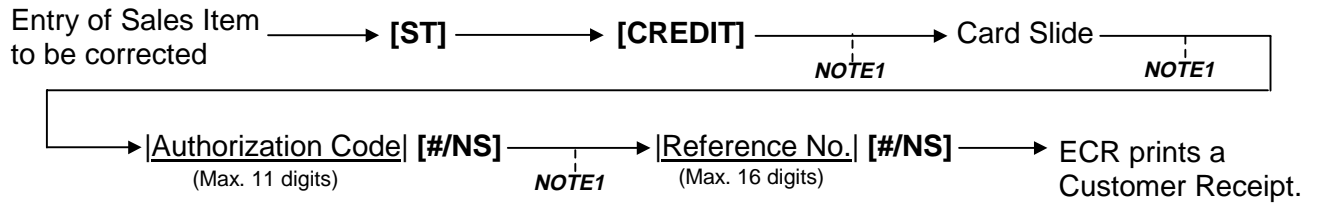
*REG -          *
DEPT01          1.00T
DEPT02          2.00
ITEM %-         -10%
                -0.20
SUBTL           2.80
TXBL TL 1       1.00
TAX 1           0.09
NET TL 1        0.91
NON TXBL        1.80
CASH            2 . 80

ITEM 2
JONES 0011      13:22TM

```

2.2 Electronic Fund Transfer (EFT) Operations in "[-]" Mode

(1) Void Credit Sale



Receipt Sample for Customer

```

    TEC STORE
    1343 PEACH DRIVE
    PHONE: 87-6437
    Open 8:00am to 7:00pm
    Closed: every Wednesday

    24-01-2002      #1234

    *REG -          *
    DEPT01          1.00F
    DEPT02          2.00T
    DEPT03          3.00T
    SUBTL           6.00
    TXBL TL 1       3.00
    TAX 1           0.18
    TXBL TL 2       3.00
    TAX 2           0.13
    TXBL TL 3       2.00
    TAX 3           0.20
    CREDIT          6.51

    5999999999999999
    EXP DATE        02/12
    VOID:           $-6.51
    APP#            DEMO-1
    REF#            1111

    Bargain sales on every
    Tuesday.
    Come to save money!
    ITEM 3
    JONES 0001      09:59TM
  
```

Receipt Sample for Merchant

```

    TEC STORE
    1343 PEACH DRIVE
    PHONE: 87-6437
    Open 8:00am to 7:00pm
    Closed: every Wednesday

    24-01-2002      #1234

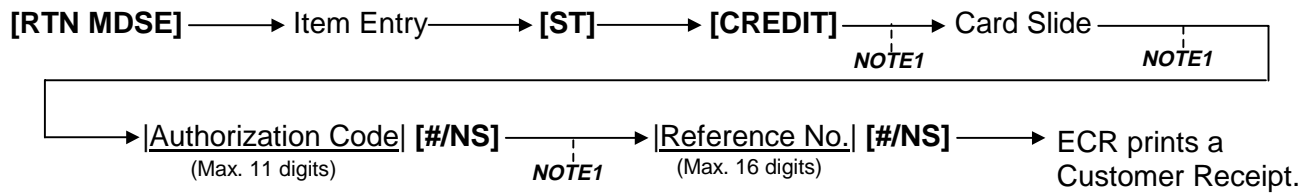
    MERCHANT COPY

    VOID:           $-6.51
    5999999999999999
    EXP DATE        02/12
    APP#            DEMO-1
    REF#            1111

    X _____
    I AGREE TO PAY ABOVE
    TOTAL AMOUNT ACCORDING
    TO ISSUER'S AGREEMENT

    JONES 0001      09:59TM
  
```


(2) Void Credit Refund



Receipt Sample for Customer

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002          #1234

*REG -              *

RTN
DEPT01              -1.00F
SUBTL                -1.00
TXBL TL 1           -1.00
TAX 1                -0.06
CREDIT              - 1 . 06

5999999999999999
EXP DATE            02/12
VOID:                $1.06
APP#                 DEMO-1
REF#                 2222

Bargain sales on every
Tuesday.
Come to save money!
ITEM -1
JONES 0001          09:59TM
    
```

Receipt Sample for Merchant

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437
Open 8:00am to 7:00pm
Closed: every Wednesday

24-01-2002          #1234

MERCHANT COPY

VOID:                $1.06
5999999999999999
EXP DATE            02/12
APP#                 DEMO-1
REF#                 2222

X _____
I AGREE TO PAY ABOVE
TOTAL AMOUNT ACCORDING
TO ISSUER'S AGREEMENT

JONES 0001          09:59TM
    
```

- NOTES:**
1. Pressing the **[C]** key at this point will display the message "EFT CANCEL". Pressing the **[C]** key again will restore the ECR to the condition being ready for the **[CREDIT]** key entry.
 2. Values 0 to 9 and A to Z should be used to enter the Authorization Code.
 3. At tendering in Foreign Currency, the EFT media cannot be used.
 4. The Receipt Issue operation is unavailable.
 5. Issuance of the Merchant Receipt is selectable.
 6. For the 8-digit-or-more amount, payment by the EFT media cannot be made.

2.3 Scale Item Entry in “[-]” Mode

Any scale item entered in “REG” mode at the time of purchase must be entered manually (Manual Scale Entry but no Auto Scale) in the “[-]” mode at the time of return or cancel.

That is, for entering a scale item (once purchased) in the “[-]” mode, you must read the written net weight on the item (if any) or read the net weight in the scale display panel by placing it on the scale platter, then enter the net weight value, manually in the procedure described as Manual Scale Entry operation in the OPERATOR’S GUIDE.

2.4 Prohibitive Operations in “[-]” Mode

- Cashier Interrupt operation
- No-Sale ([NS])
- Auto-Scale (described in Section 2.3.)
- No-Sale Cashing of Check or Other Non-Cash Medias
- No-Sale Exchange from Foreign Currency to Domestic Currency, or vice versa
- Loan
- Received-on Account
- Pick Up
- Paid-Out
- All Void
- Receipt Issue
- Endorsement Print

3. READ (X) AND RESET (Z) REPORTS

WARNING!

When opening the cash drawer, be careful not to let the drawer hit any person.

The following table shows the key operation to take each report. The X and Z reports have basically the same print content if both are available, except that:

1. The Read (X) report allows reading the totals without clearing the memory, while the Reset (Z) report allows reading the totals, at the same time, clears all the resettable totals when the report has been issued.
2. The symbol X is printed on the X reports, while the symbol Z is printed on the Z reports, to indicate the type of report.
3. Reset Report Counter is printed on each Reset Report only.
4. The daily report covers data obtained during a certain period on that day until the corresponding Reset Report was printed, while the accumulative report covers data obtained during a certain period defined by the store.

CAUTION!

Whenever you turn the Control Lock to Z Position, you are to be taking Reset Reports (final reports) causing the all resettable sales data to be cleared by the operation to follow.

TABLE OF OPERATIONS FOR X AND Z REPORTS

Daily Reports

Report Name	Control Lock	Key Operation	Sample Page
FINANCIAL READ AND RESET Financial Read Financial Reset	X Z	03 [AT/TL]	3-4
CASHIER READ AND RESET All Cashier Read All Cashier Reset Zone Cashier Read	X Z X	04 [AT/TL] <u> Start Cashier Code [#NS] End Cashier Code </u> [#NS] 04 [AT/TL]	3-21 3-22
PLU CASHIER SALES READ AND RESET PLU Cashier Sales Read PLU Cashier Sales Reset	X Z	07 [AT/TL]	3-20
HOURLY RANGE READ AND RESET Hourly Read Hourly Reset	X Z	10 [AT/TL]	3-23
DEPARTMENT READ AND RESET All Department Read All Department Reset Zone Department Read	X Z X	11 [AT/TL] <u> Start DEPT Code [#NS] End DEPT Code </u> [#NS] 11 [AT/TL]	3-10 3-11

Report Name	Control Lock	Key Operation	Sample Page
PLU READ AND RESET			
All PLU Read	X	13 [AT/TL]	3-14
All PLU Reset	Z		
PLU Group Sales Read	X	<u>PLU Group No.</u> [#NS] 13 [AT/TL]	3-15
Zone PLU Read	X	<u>Start PLU Code</u> [#NS] <u>End PLU Code</u> [#NS] 13 [AT/TL]	3-16
MAINTENANCE PLU REPORT	X	40 [AT/TL]	3-24
	Z		
MEDIA IN DRAWER	X	12 [AT/TL]	3-24
MONEY DECLARATION READ AND RESET	X	<u>Cashier Code</u> [LOG/RECEIPT] <u>Amount</u>	3-3
	Z	[MEDIA KEY] [AT/TL]	
DP AND FINANCIAL READ AND RESET	X	[AT/TL]	3-25
	Z		
LOCAL TOTAL REPORT	X	47 [AT/TL]	3-29

GT Report

Report Name	Control Lock	Key Operation	Sample Page
(The Control Lock position is the same as the corresponding Daily report. However, always add 200 to the numeric value for the report taking.)			
FINANCIAL GT READ AND GT RESET			
Financial GT Read	X	203 [AT/TL]	3-7
Financial GT Reset	Z		
CASHIER GT READ AND GT RESET			
All Cashier GT Read	X	204 [AT/TL]	3-22
All Cashier GT Reset	Z		
Zone Cashier GT Read	X	<u>Start Cashier Code</u> [#NS] <u>End Cashier Code</u> [#NS] 204 [AT/TL]	3-22
DEPARTMENT GT READ AND GT RESET			
All Department GT Read	X	211 [AT/TL]	3-12
All Department GT Reset	Z		
Zone Department GT Read	X	<u>Start DEPT Code</u> [#NS] <u>End DEPT Code</u> [#NS] 211 [AT/TL]	3-13
PLU GT READ AND GT RESET			
All PLU GT Read	X	213 [AT/TL]	3-17
All PLU GT Reset	Z		
All PLU Group Sales GT Read	X	<u>PLU Group No.</u> [#NS] 213 [AT/TL]	3-18
Zone PLU GT Read	X	<u>Start PLU Code</u> [#NS] <u>End PLU Code</u> [#NS] 213 [AT/TL]	3-19
DP AND FINANCIAL GT READ AND GT RESET	X	200 [AT/TL]	3-27
	Z		

NOTE: When the Control Lock is in X or Z mode, "X" or "Z" is displayed on the left column of the alphanumeric display.

X

Z

3.3 Report Samples

3.3.1 Financial Read or Reset (Daily)

OPERATION

Control Lock: **X** for read, **Z** for reset

03 [AT/TL]

- NOTES:**
1. Printing will be cancelled by depressing the [C] key during report print.
 2. Report issue in Z mode is allowed after all cashiers' money declarations have been finished, even if money declaration is not compulsory.
 3. When the money declaration is selected, all cashiers' money declarations should be finished before performing this operation.

Daily Report

24-01-2002	#1234	Date, Register No.
Z	03	Report Type Symbol
*****		Report Title
* FINANCIAL REPORT *		
*****		Reset Count of this Reset Report (printed on Reset Report only)
	Z1:0004	
GT	10039.26	Grand Total (non-resettable)
NET GT	988.94	NET GT (non-resettable)
NEG-GT	0.00	Negative GT
GS	0010	Gross Sale: Item Count
	1035.00	Amount
%+	0003	Percent Charge: Count
	20.00	Amount
ADD ON	xxxx	Amount Charge: Count
	xx.xx	Amount
NS w/o Tax	1000.00	NET Sale without TAX
TAX 1	2.00	Tax 1 Amount
TAX 2	3.00	Tax 2 Amount
TAX 3	5.00	Tax 3 Amount
TAX 4	5.00	Tax 4 Amount
NS w/ Tax	0010	NET Sale with TAX: Count
	1015.00	Amount
HASH DPT	3	HASH Department (Positive): Count
	5.00	Amount
-HASH DPT	1	HASH Department (Negative): Count
	-5.00	Amount
MISC VOID	0000	MISC Void: Count
	0.00	Amount
%-	0001	Percent Discount: Count
	3.00	Amount
V.CPN	0001	Vendor Coupon: Count
	3.00	Amount
DISC	0001	Amount Discount: Count
	3.00	Amount
BTR	0001	Bottle Return: Count
	3.00	Amount
MEDIA TL	0035	Media Total: Count
	1003.00	Amount

Daily Report (cont.)

CASH	0014	Cash Total:	Count
	177.10		Amount
CHECK	0004	Check Total:	Count
	130.00		Amount
CHARGE	0004	Charge Total:	Count
	120.00		Amount
COUPON	0000	Coupon Total:	Count
	0.00		Amount
CREDIT-1	0001	Credit 1 Total:	Count
	1.00		Amount
CREDIT-2	0001	Credit 2 Total:	Count
	2.00		Amount
CREDIT-3	0001	Credit 3 Total:	Count
	3.00		Amount
CREDIT-4	0000	Credit 4 Total:	Count
	0.00		Amount
CREDIT-5	0000	Credit 5 Total:	Count
	0.00		Amount
FS TL	0000	Food Stamp Sales:	Count
	0.00		Amount
R/A	0001	Received on Account:	Count
	100000.00		Amount
PO	0001	Paid Out:	Count
	-50000.00		Amount
LOAN	0000	Loan:	Count
	0.00		Amount
PICK UP	0000	Pick Up:	Count
	0.00		Amount
CASH ID	50172.10	Cash-in-drawer	Amount
CHECK ID	135.00	Check-in-drawer	Amount
CHARGE ID	120.00	Charge-in-drawer	Amount
COUPON ID	0.00	Coupon-in-drawer	Amount
CREDIT-1 ID	1.00	Credit 1-in-drawer	Amount
CREDIT-2 ID	2.00	Credit 2-in-drawer	Amount
CREDIT-3 ID	3.00	Credit 3-in-drawer	Amount
CREDIT-4 ID	0.00	Credit-4-in-drawer	Amount
CREDIT-5 ID	0.00	Credit-5-in-drawer	Amount
FS ID	0.00	Food Stamp-in-drawer	Amount
FS CG	0.00	Food Stamp Change	
CASH DIF	50172.00	Cash-in-drawer Difference	Amount
CHECK DIF	135.00	Check-in-drawer Difference	Amount
CHARGE DIF	120.00	Charge-in-drawer Difference	Amount
COUPON DIF	0.00	Coupon-in-drawer Difference	Amount
CREDIT-1 DIF	1.00	Credit 1-in-drawer Difference	Amount
CREDIT-2 DIF	2.00	Credit 2-in-drawer Difference	Amount
CREDIT-3 DIF	3.00	Credit 3-in-drawer Difference	Amount
CREDIT-4 DIF	0.00	Credit-4-in-drawer Difference	Amount
CREDIT-5 DIF	0.00	Credit-5-in-drawer Difference	Amount
ITEM %+	0000	Item Percent Charge:	Count
	0.00		Amount
ITEM ADD ON	0000	Item Amount Charge:	Count
	0.00		Amount
VOID/CORR	0002	Void/Item Correct:	Count
	20.00		Amount
ALL VOID	0000	All Void:	Count
	0.00		Amount
S.CPN	0	Store Coupon:	Count
	0.00		Amount

Daily Report (cont.)

- DPT	0000
	0.00
RTN	0001
	-9.00
ITEM %-	0000
	0.00
ITEM DISC	0000
	0.00
- TAX	0.00
REG -	0000
	0.00
TXBL TL 1	27.85
	9 %
TAX 1	2.51
TXBL TL 2	27.15
	16.65 %
TAX 2	4.52
TXBL TL 3	36.20
	23 %
TAX 3	8.33
NS w/o TAX	0.00
EX CUS	0000
TAX EX 1	0.00
TAX EX 2	0.00
TAX EX 3	0.00
TAX EX 4	0.00
FC01	0000
	0.00
FC02	0000
	0.00
CLEAR CTR	0000
NO-SALE	0000
POWER OFF/ON	0000
#INICIAL	0000
0099	12:10TM

Total of Negative Departments: Count
Amount

Returned Merchandise: Count
Amount

Item Percent Discount: Count
Amount

Item Amount Discount: Count
Amount

Total of Negative TAX:

Negative Mode ([-]): Count
Amount

TAX 1 Taxable Amount (Sale Amount subject to TAX 1 taxation)
NOTE
TAX 1 Amount

TAX 2 Taxable Amount (Sale Amount subject to TAX 2 taxation)
NOTE
TAX 2 Amount

TAX 3 Taxable Amount (Sale Amount subject to TAX 3 taxation)
NOTE
TAX 3 Amount

NET Sale without TAX:
Tax Exempt Count
Tax 1 Exempt Amount
Tax 2 Exempt Amount
Tax 3 Exempt Amount
Tax 4 Exempt Amount

Foreign Currency 1: Count
Amount

Foreign Currency 2: Count
Amount

[C] Key Count
No-sale Count
Power OFF/ON Count
Consecutive No. recorded immediately after the preceding
Daily Financial Reset Report
Consecutive No., Current Time

Memory Balance

GS (Gross Sale) = (Sum of Positive Depts) + (Sum of Taxes) + (%+)+(Item Correct)+
(Void)+(All Void)+(%- on Line Items)+(Amount Discount on Line Items)+
(Store Coupon)+(Returned Merchandise)+(Negative Mode Total)+
(Negative Tax)

Net Sale with Tax = (Sum of All Depts) +(Sum of Taxes)+(%)+

All Media Sales = (Net sale with Tax) +(Positive HASH Depts)- (Negative HASH Depts)-
(%- on Subtotal)-(Amount Discount on Subtotal)- (Vendor Coupon) –
(Bottle Return)

NOTE: Tax rate is printed when it is a percent rate and programmed to be printed on reports.

3.3.2 Financial Read or Reset (GT)

OPERATION

Control Lock: **X** for read, **Z** for reset

203 [AT/TL]

NOTE: Printing will be cancelled by depressing the [C] key during report print.

GT Report

24-01-2002	#1234	Date, Register No.
GTZ	203	Report Type Symbol
*****		Report Title
* FINANCIAL REPORT *		Reset Count of this Reset Report (printed on Reset Report only)

	Z2:0004	Grand Total (non-resettable)
GT	10039.26	NET GT (non-resettable)
NET GT	988.94	Negative GT
NEG-GT	0.00	Gross Sale: Item Count
GS	0010	Amount
	1035.00	Percent Charge: Count
%+	0003	Amount
	20.00	Amount Charge: Count
ADD ON	0000	Amount
	00.00	NET Sale without TAX
NS w/o Tax	1000.00	Tax 1 Amount
TAX 1	2.00	Tax 2 Amount
TAX 2	3.00	Tax 3 Amount
TAX 3	5.00	Tax 4 Amount
TAX 4	5.00	NET Sale with TAX: Count
NS w/ Tax	0010	Amount
	1015.00	HASH Department (Positive): Count
HASH DPT	3	Amount
	5.00	HASH Department (Negative): Count
-HASH DPT	1	Amount
	-5.00	MISC Void: Count
MISC VOID	0000	Amount
	0.00	Percent Discount: Count
%-	0001	Amount
	3.00	Vendor Coupon: Count
V.CPN	0001	Amount
	3.00	Amount Discount: Count
DISC	0001	Amount
	3.00	Bottle Return: Count
BTR	0001	Amount
	3.00	Media Total: Count
MEDIA TL	0035	Amount
	1003.00	Cash Total: Count
CASH	0014	Amount
	177.10	Check Total: Count
CHECK	0004	Amount
	130.00	Charge Total: Count
CHARGE	0004	Amount
	120.00	Coupon Total: Count
COUPON	0000	Amount
	0.00	

GT Report (cont.)

CREDIT-1	0001	Credit 1 Total:	Count
	1.00		Amount
CREDIT-2	0001	Credit 2 Total:	Count
	2.00		Amount
CREDIT-3	0001	Credit 3 Total:	Count
	3.00		Amount
CREDIT-4	0000	Credit 4 Total:	Count
	0.00		Amount
CREDIT-5	0000	Credit 5 Total:	Count
	0.00		Amount
FS TL	0000	Food Stamp Sales:	Count
	0.00		Amount
R/A	0001	Received on Account:	Count
	100000.00		Amount
PO	0001	Paid Out:	Count
	-50000.00		Amount
LOAN	0000	Loan:	Count
	0.00		Amount
PICK UP	0000	Pick Up:	Count
	0.00		Amount
CASH ID	50172.10	Cash-in-drawer	Amount
CHECK ID	135.00	Check-in-drawer	Amount
CHARGE ID	120.00	Charge-in-drawer	Amount
COUPON ID	0.00	Coupon-in-drawer	Amount
CREDIT-1 ID	1.00	Credit 1-in-drawer	Amount
CREDIT-2 ID	2.00	Credit 2-in-drawer	Amount
CREDIT-3 ID	3.00	Credit 3-in-drawer	Amount
CREDIT-4 ID	0.00	Credit 4-in-drawer	Amount
CREDIT-5 ID	0.00	Credit 5-in-drawer	Amount
FS ID	0.00	Food Stamp-in-drawer	Amount
FS CG	0.00	Food Stamp Change	
CASH DIF	50172.10	Cash-in-drawer Difference	Amount
CHECK DIF	135.00	Check-in-drawer Difference	Amount
CHARGE DIF	120.00	Charge-in-drawer Difference	Amount
COUPON DIF	0.00	Coupon-in-drawer Difference	Amount
CREDIT-1 DIF	1.00	Credit 1-in-drawer Difference	Amount
CREDIT-2 DIF	2.00	Credit 2-in-drawer Difference	Amount
CREDIT-3 DIF	3.00	Credit 3-in-drawer Difference	Amount
CREDIT-4 DIF	0.00	Credit 4-in-drawer Difference	Amount
CREDIT-5 DIF	0.00	Credit 5-in-drawer Difference	Amount
ITEM %+	0000	Item Percent Charge:	Count
	0.00		Amount
ITEM ADD ON	0000	Item Amount Charge:	Count
	0.00		Amount
VOID/CORR	0002	Void/Item Correct:	Count
	20.00		Amount
ALL VOID	0000	All Void:	Count
	0.00		Amount
S.CPN	0	Store Coupon:	Count
	0.00		Amount
- DPT	0000	Total of Negative Departments:	Count
	0.00		Amount
RTN	0001	Returned Merchandise:	Count
	-9.00		Amount
ITEM %-	0000	Item Percent Discount:	Count
	0.00		Amount
ITEM DISC	0000	Item Amount Discount:	Count
	0.00		Amount
- TAX	0.00	Total of Negative TAX:	

GT Report (cont.)

REG -	0000	Negative Mode ([-]): Count
	0.00	Amount
TXBL TL 1	27.85	TAX 1 Taxable Amount (Sale Amount subject to TAX 1 taxation)
TAX 1	2.51	TAX 1 Amount
TXBL TL 2	27.15	TAX 2 Taxable Amount (Sale Amount subject to TAX 2 taxation)
TAX 2	4.52	TAX 2 Amount
TXBL TL 3	36.20	TAX 3 Taxable Amount (Sale Amount subject to TAX 3 taxation)
TAX 3	8.33	TAX 3 Amount
NS w/o TAX	0.00	NET Sale without TAX:
EX CUS	0000	Tax Exempt Count
TAX EX 1	0.00	Tax 1 Exempt Amount
TAX EX 2	0.00	Tax 2 Exempt Amount
TAX EX 3	0.00	Tax 3 Exempt Amount
TAX EX 4	0.00	Tax 4 Exempt Amount
FC01	0000	Foreign Currency 1: Count
	0.00	Amount
FC02	0000	Foreign Currency 2: Count
	0.00	Amount
0099	12:10TM	Consecutive No., Current Time

3.3.3 Department Report

OPERATION

Control Lock: **X** for read, **Z** for reset
11 [AT/TL]

- NOTES:** 1. Printing will be cancelled by depressing the **[C]** key during report print.
 2. Department data without department group setting will be printed first, followed by the Departments with Department Group Number.

When Department and PLU Sales Ratio on Reports is NOT programmed in Print Item on Reports Setting

When Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting

24-01-2002	#1234
X	1 1

DEPARTMENT REPORT	

DEPT08	0002
3	17.00
DEPT09	0001
6	18.60
DEPT10	0001
11	46.20
ST	81.80
DP GP#01	
DEPT01	0004
25	69.30
DEPT02	0003
25	47.60
DEPT03	0001
24	100.40
DEPT04	0002
12	46.80
ST	264.10
DP GP#02	
DEPT05	0001
25	64.20
DEPT06	0001
37	132.00
DEPT07	0001
7	24.90
ST	221.10
0099	12:10TM

24-01-2002	#1234
X	1 1

DEPARTMENT REPORT	

TOTAL	567.00
DEPT08	
3%	0002
3	17.00
DEPT09	
3.28%	0001
6	18.60
DEPT10	
8.15%	0001
11	46.20
ST	81.80
DP GP#01	
DEPT01	
12.22%	0004
25	69.30
DEPT02	
8.4%	0003
25	47.60
DEPT03	
17.71%	0001
24	100.40
DEPT04	
8.25%	0002
12	46.80
ST	264.10
DP GP#02	
DEPT05	
11.32%	0001
25	64.20
DEPT06	
23.28%	0001
37	132.00
DEPT07	
4.39%	0001
7	24.90
ST	221.10
0099	12:10TM

3.3.4 Zone Department Report

OPERATION

Control Lock: X

| Zone start department No. | [#/NS] | Zone end department No. | [#/NS] 11 [AT/TL]

- NOTES:**
1. Department No.: 01 - 99
 2. Printing will be cancelled by depressing the [C] key during report print.
 3. Department data without department group setting will be printed first, followed by the Departments with Department Group Number.

When Department and PLU Sales Ratio on Reports is NOT programmed in Print Item on Reports Setting

When Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting

24-01-2002	#1234
X	1 1

DEPARTMENT REPORT	

DEPT08	0002
3	17.00
ST	17.00
DP GP#01	
DEPT03	0001
24	100.40
DEPT04	0002
12	46.80
ST	147.20
DP GP#02	
DEPT05	0001
25	64.20
DEPT06	0001
37	132.00
DEPT07	0001
7	24.90
ST	221.10
0099	12:10TM

24-01-2002	#1234
X	1 1

DEPARTMENT REPORT	

TOTAL	385.30
DEPT08	
3%	0002
3	17.00
ST	17.00
DP GP#01	
DEPT03	
17.71%	0001
24	100.40
DEPT04	
8.25%	0002
12	46.80
ST	147.20
DP GP#02	
DEPT05	
11.32%	0001
25	64.20
DEPT06	
23.28%	0001
37	132.00
DEPT07	
4.39%	0001
7	24.90
ST	221.10
0099	12:10TM

3.3.5 Accumulated Department Report

OPERATION

Control Lock: X for read, Z for reset
 211 [AT/TL]

- NOTES:** 1. Printing will be cancelled by depressing the [C] key during report print.
 2. Department data without department group setting will be printed first, followed by the Departments with Department Group Number.

When Department and PLU Sales Ratio on Reports is NOT programmed in Print Item on Reports Setting

When Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting

24-01-2002	#1234
GTX	2 1 1

DEPARTMENT REPORT	

DEPT08	0002
3	17.00
DEPT09	0001
6	18.60
DEPT10	0001
11	46.20
ST	81.80
DP GP#01	
DEPT01	0004
25	69.30
DEPT02	0003
25	47.60
DEPT03	0001
24	100.40
DEPT04	0002
12	46.80
ST	264.10
DP GP#02	
DEPT05	0001
25	64.20
DEPT06	0001
37	132.00
DEPT07	0001
7	24.90
ST	221.10
0099	12:10TM

24-01-2002	#1234
GTX	2 1 1

DEPARTMENT REPORT	

TOTAL	567.00
DEPT08	
3%	0002
3	17.00
DEPT09	
3.28%	0001
6	18.60
DEPT10	
8.15%	0001
11	46.20
ST	81.80
DP GP#01	
DEPT01	
12.22%	0004
25	69.30
DEPT02	
8.4%	0003
25	47.60
DEPT03	
17.71%	0001
24	100.40
DEPT04	
8.25%	0002
12	46.80
ST	264.10
DP GP#02	
DEPT05	
11.32%	0001
25	64.20
DEPT06	
23.28%	0001
37	132.00
DEPT07	
4.39%	0001
7	24.90
ST	221.10
0099	12:10TM

3.3.6 Zone Accumulated Department Report

OPERATION

Control Lock: X

| Zone start department No. | [#/**NS**] | Zone end department No. | [#/**NS**] 211 [**AT/TL**]

- NOTES:**
1. Department No.: 01 – 99
 2. Printing will be cancelled by depressing the [**C**] key during report print.
 3. Department data without department group setting will be printed first, followed by the Departments with Department Group Number.

When Department and PLU Sales Ratio on Reports is NOT programmed in Print Item on Reports Setting

When Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting

24-01-2002	#1234
GTX	211

DEPARTMENT REPORT	

DEPT08	0002
3	17.00
ST	17.00
DP GP#01	
DEPT03	0001
24	100.40
DEPT04	0002
12	46.80
ST	147.20
DP GP#02	
DEPT05	0001
25	64.20
DEPT06	0001
37	132.00
DEPT07	0001
7	24.90
ST	221.10
0099	12:10TM

24-01-2002	#1234
GTX	211

DEPARTMENT REPORT	

TOTAL	385.30
DEPT08	
3%	0002
3	17.00
ST	17.00
DP GP#01	
DEPT03	
17.71%	0001
24	100.40
DEPT04	
8.25%	0002
12	46.80
ST	147.20
DP GP#02	
DEPT05	
11.32%	0001
25	64.20
DEPT06	
23.28%	0001
37	132.00
DEPT07	
4.39%	0001
7	24.90
ST	221.10
0099	12:10TM

3.3.7 PLU Report

OPERATION

Control Lock: **X** for read, **Z** for reset
13 [AT/TL]

NOTE: Printing will be cancelled by depressing the [C] key during report print.

When Department and PLU Sales Ratio on Reports is NOT programmed in Print Item on Reports Setting

24-01-2002	#1234
Z	13

PLU REPORT	

PLU0000000000000001	
3	6.00 88
PLU0000000000000002	
12	30.00 81
PLU0000000000000003	
5	5.00 89
PLU0000000000000004	
6	9.00 85
PLU0000000000000005	
7	21.00 86
PLU0000000000000006	
20	90.00 78
PLU0000000000000007	
8	32.00 88
PLU0000000000000008	
9	45.00 89
PLU0000000000000009	
19	114.00 80
PLU0000000000000010	
3	16.50 83
0099	12:10TM

When Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting

24-01-2002	#1234
Z	13

PLU REPORT	

TOTAL	368.50
PLU0000000000000001	
3	6.00 88
	1.63% 8.66%
PLU0000000000000002	
12	30.00 81
	8.14% 43.29%
PLU0000000000000003	
5	5.00 89
	1.36% 10.5%
PLU0000000000000004	
6	9.00 85
	2.44% 18.91%
PLU0000000000000005	
7	21.00 86
	5.7% 44.12%
PLU0000000000000006	
20	90.00 78
	24.42% 89.64%
PLU0000000000000007	
8	32.00 88
	8.68% 68.38%
PLU0000000000000008	
9	45.00 89
	12.21% 70.09%
PLU0000000000000009	
19	114.00 80
	30.94% 86.36%
PLU0000000000000010	
3	16.50 83
	4.48% 66.27%
0099	12:10TM

3.3.8 PLU Group Report

OPERATION

Control Lock: X

| Group code | [# / NS] 13 [AT / TL]

- NOTES:** 1. Group Code: 01-99
 2. Printing will be cancelled by depressing the [C] key during report print.

When Department and PLU Sales Ratio on Reports is NOT programmed in Print Item on Reports Setting

24-01-2002	#1234
X	13

PLU REPORT	

PLU GP#01	
PLU0000000000000001	
3	6.00
	88
PLU0000000000000002	
12	30.00
	81
PLU0000000000000003	
5	5.00
	89
PLU0000000000000004	
6	9.00
	85
PLU0000000000000005	
7	21.00
	86
0099	12:10TM

When Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting

24-01-2002	#1234
X	13

PLU REPORT	

TOTAL	368.50
PLU GP#01	
PLU0000000000000001	
3	6.00
1.63%	8.66%
	88
PLU0000000000000002	
12	30.00
8.14%	43.29%
	81
PLU0000000000000003	
5	5.00
1.36%	10.5%
	89
PLU0000000000000004	
6	9.00
2.44%	18.91%
	85
PLU0000000000000005	
7	21.00
5.7%	44.12%
	86
0099	12:10TM

3.3.9 Zone PLU Report

OPERATION

Control Lock: X

| Zone start PLU No. | [#NS] | Zone end PLU No. | [#NS] 13 [AT/TL]

- NOTES:** 1. When the entered zone start/end PLU No. does not exist, the ECR will find the next PLU No.
 2. Printing will be cancelled by depressing the [C] key during report print.

When Department and PLU Sales Ratio on Reports is NOT programmed in Print Item on Reports Setting

24-01-2002	#1234
X	13

PLU REPORT	

PLU0000000000000004	
6	9.00
	85
PLU0000000000000005	
7	21.00
	86
PLU0000000000000006	
20	90.00
	78
PLU0000000000000007	
8	32.00
	88
0099	12:10TM

When Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting

24-01-2002	#1234
X	13

PLU REPORT	

TOTAL	368.50
PLU0000000000000004	
6	9.00
2.44%	18.91%
	85
PLU0000000000000005	
7	21.00
5.7%	44.12%
	86
PLU0000000000000006	
20	90.00
24.42%	89.64%
	78
PLU0000000000000007	
8	32.00
8.68%	68.38%
	88
0099	12:10TM

3.3.10 Accumulated PLU Report

OPERATION

Control Lock: **X** for read, **Z** for reset
213 [AT/TL]

- NOTES:** 1. Printing will be cancelled by depressing the [C] key during report print.
 2. This report can be taken only when the PLU accumulation feature is selected.

When Department and PLU Sales Ratio on Reports is NOT programmed in Print Item on Reports Setting

When Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting

24-01-2002	#1234
GTZ	213

PLU REPORT	

PLU0000000000000001	
3	6.00
	88
PLU0000000000000002	
12	30.00
	81
PLU0000000000000003	
5	5.00
	89
PLU0000000000000004	
6	9.00
	85
PLU0000000000000005	
7	21.00
	86
PLU0000000000000006	
20	90.00
	78
PLU0000000000000007	
8	32.00
	88
PLU0000000000000008	
9	45.00
	89
PLU0000000000000009	
19	114.00
	80
PLU0000000000000010	
3	16.50
	83
0099	12:10TM

24-01-2002	#1234
GTZ	213

PLU REPORT	

TOTAL	368.50
PLU0000000000000001	
3	6.00
	8.66%
	88
PLU0000000000000002	
12	30.00
	43.29%
	81
PLU0000000000000003	
5	5.00
	10.5%
	89
PLU0000000000000004	
6	9.00
	18.91%
	85
PLU0000000000000005	
7	21.00
	44.12%
	86
PLU0000000000000006	
20	90.00
	89.64%
	78
PLU0000000000000007	
8	32.00
	68.38%
	88
PLU0000000000000008	
9	45.00
	70.09%
	89
PLU0000000000000009	
19	114.00
	86.36%
	80
PLU0000000000000010	
3	16.50
	66.27%
	83
0099	12:10TM

3.3.11 Accumulated PLU Group Report

OPERATION

Control Lock: X

| Group code | [# / NS] 213 [AT / TL]

- NOTES:**
1. Group Code: 01 to 99
 2. Printing will be cancelled by depressing the [C] key during report print.
 3. This report can be taken only when the PLU accumulation feature is selected.

When Department and PLU Sales Ratio on Reports is NOT programmed in Print Item on Reports Setting

24-01-2002	#1234
GTX	213

PLU REPORT	

PLU GP#01	
PLU0000000000000001	
3	6.00
	88
PLU0000000000000002	
12	30.00
	81
PLU0000000000000003	
5	5.00
	89
PLU0000000000000004	
6	9.00
	85
PLU0000000000000005	
7	21.00
	86
0099	12:10TM

When Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting

24-01-2002	#1234
GTX	213

PLU REPORT	

TOTAL	
	368.50
PLU GP#01	
PLU0000000000000001	
3	6.00
1.63%	8.66%
	88
PLU0000000000000002	
12	30.00
8.14%	43.29%
	81
PLU0000000000000003	
5	5.00
1.36%	10.5%
	89
PLU0000000000000004	
6	9.00
2.44%	18.91%
	85
PLU0000000000000005	
7	21.00
5.7%	44.12%
	86
0099	12:10TM

3.3.12 Zone Accumulated PLU Report

OPERATION

Control Lock: X

| Zone start PLU No. | [#NS] | Zone end PLU No. | [#NS] 213 [AT/TL]

- NOTES:** 1. When entered Zone start/end PLU No. does not exist, the ECR will find the next PLU No.
 2. Printing will be cancelled by depressing the [C] key during report print.
 3. This report can be taken only when the PLU accumulation feature is selected.

When Department and PLU Sales Ratio on Reports is NOT programmed in Print Item on Reports Setting

24-01-2002	#1234
GTX	213

PLU REPORT	

PLU0000000000000004	
6	9.00 85
PLU0000000000000005	
7	21.00 86
PLU0000000000000006	
20	90.00 78
PLU0000000000000007	
8	32.00 88
0099	12:10TM

When Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting

24-01-2002	#1234
GTX	213

PLU REPORT	

TOTAL	368.50
PLU0000000000000004	
6	9.00 18.91%
	2.44% 85
PLU0000000000000005	
7	21.00 44.12%
	5.7% 86
PLU0000000000000006	
20	90.00 89.64%
	24.42% 78
PLU0000000000000007	
8	32.00 68.38%
	8.68% 88
0099	12:10TM

3.3.13 PLU Cashier Sales Report

OPERATION

Control Lock: **X** for read, **Z** for reset
07 [AT/TL]

NOTE: Printing will be cancelled by depressing the [C] key during report print.

```

24-01-2002      #1234
X                O7

*****
CASHIER PLU REPORT
*****
- - - - -
CL01
- - - - -
PLU00000000000001
1                12.00
PLU00000000000003
2                1.73
PLU00000000000006
2                2.63
- - - - -
CL03
- - - - -
PLU00000000000001
2                7.98
PLU00000000000005
1                9.52
PLU00000000000007
2                26.47
PLU00000000000009
1                9.91
PLU00000000000010
1                4.70
- - - - -
CL09
- - - - -
PLU00000000000001
1                5.00
PLU00000000000003
1                6.47
PLU00000000000008
1                8.50
- - - - -
CL15
- - - - -
PLU00000000000001
9                152.00
PLU00000000000003
3                44.87
PLU00000000000005
2                27.83
- - - - -
    
```

```

CL21
- - - - -
PLU00000000000001
13               324.14
PLU00000000000006
1                25.50
PLU00000000000009
1                15.62
- - - - -
CL26
- - - - -
PLU00000000000001
                75.50
PLU00000000000002
2                3.00
                0099      12:10TM
    
```

3.3.14 Cashier Report

OPERATION

Control Lock: **X** for read, **Z** for reset

04 [AT/TL]

NOTE: Printing will be cancelled by depressing the **[C]** key during report print.

```

24-01-2002      #1234
Z                O 4
*****
          CASHIER REPORT
*****
-----
CL01
-----
GT          10039.26
NET GT      988.94
NEG-GT      0.00
GS          0010
          1035.00
%+          0003
          20.00
ADD ON      0000
          0.00
NS w/o Tax  1000.00
NS w/ Tax   0010
          1015.00
HASH DPT    0003
          5.00
-HASH DPT   0001
          -5.00
MISC VOID   0000
          0.00
%-          0001
          3.00
V.CPN       0001
          3.00
DISC        0001
          3.00
BTR         0001
          3.00
MEDIA TL    0035
          1003.00
COMMISSION  100.00
CASH        0014
          177.10
CHECK       0004
          130.00
CHARGE      0004
          120.00
COUPON      0000
          0.00
CREDIT-1    0001
          1.00
    
```

```

CREDIT-2      0001
              2.00
CREDIT-3      0001
              3.00
CREDIT-4      0000
              0.00
CREDIT-5      0000
              0.00
FS TL         0000
              0.00

R/A           0001
              100000.00
PO            0001
              -50000.00
LOAN          0000
              0.00
PICK UP       0000
              0.00
CASH ID       50172.10
CHECK ID      135.00
CHARGE ID     120.00
COUPON ID     0.00
CREDIT-1 ID   1.00
CREDIT-2 ID   2.00
CREDIT-3 ID   3.00
CREDIT-4 ID   0.00
CREDIT-5 ID   0.00
FS ID         0.00
FS CG         0.00

CASH DIF      50172.10
CHECK DIF     135.00
CHARGE DIF    120.00
COUPON DIF    0.00
CREDIT-1 DIF  1.00
CREDIT-2 DIF  2.00
CREDIT-3 DIF  3.00
CREDIT-4 DIF  0.00
CREDIT-5 DIF  0.00

ITEM %+       0000
              0.00
ITEM ADD ON   0000
              0.00
VOID/CORR    0002
              20.00
ALL VOID      0000
              0.00
S.CPN        0000
              0.00
- DPT        0000
              0.00
    
```

Cashier Report (cont.)

RTN	0001	
	-9.00	
ITEM %-	0000	
	0.00	
ITEM DISC	0000	
	0.00	
- TAX	0.00	
REG -	0000	
	0.00	
FC01	0000	
	0.00	
FC02	0000	
	0.00	
CLEAR CTR	0000	
NO-SALE	0000	
POWER OFF/ON	0000	
0099	12:10TM	

3.3.15 Zone Cashier Report**OPERATION**Control Lock: **X**| Zone start cashier No. | **[/NS]** | Zone end cashier No. | **[/NS] 04 [AT/TL]**

- NOTES:**
1. Cashier No.: 01-99
 2. Printing will be cancelled by depressing the **[C]** key during report print.

3.3.16 Accumulated Cashier Report**OPERATION**Control Lock: **X** for read, **Z** for reset204 [AT/TL]

NOTE: Printing will be cancelled by depressing the **[C]** key during report print.

3.3.17 Zone Accumulated Cashier Report**OPERATION**Control Lock: **X**| Zone start cashier No. | **[/NS]** | Zone end cashier No. | **[/NS] 204 [AT/TL]**

- NOTES:**
1. Cashier No.: 01-99
 2. Printing will be cancelled by depressing the **[C]** key during report print.

3.3.18 Hourly Report

OPERATION

Control Lock: **X** for read, **Z** for reset

10 [AT/TL]

NOTE: Printing will be cancelled by depressing the [C] key during report print.

24-01-2002	#1234
Z	1 O

HOURLY REPORT	

01:00 - 01:59	0009
	27.85
02:00 - 02:59	0002
	27.15
03:00 - 03:59	0002
	36.20
04:00 - 04:59	0003
	39.50
05:00 - 05:59	0004
	47.40
06:00 - 06:59	0005
	63.00
07:00 - 07:59	0002
	72.00
08:00 - 08:59	0002
	54.00
09:00 - 09:59	0009
	36.70
10:00 - 10:59	0013
	247.43
11:00 - 11:59	0013
	119.67
12:00 - 12:59	0002
	25.10
13:00 - 13:59	0003
	45.20
14:00 - 14:59	0004
	83.30
15:00 - 15:59	0001
	11.30
16:00 - 16:59	0006
	15.80
17:00 - 17:59	0007
	23.59
18:00 - 18:59	0014
	29.62
19:00 - 19:59	0001
	24.00
20:00 - 20:59	0002
	36.71
21:00 - 21:59	0014
	247.43
22:00 - 22:59	0011
	119.67
23:00 - 23:59	0001
	43.71
0099	12:10TM

3.3.19 Media in Drawer

OPERATION

Control Lock: **X**
12 [AT/TL]

NOTE: Printing will be cancelled by depressing the [C] key during report print.

```

24-01-2002      #1234

X                1 2

*****
MEDIA IN DRAWER
*****
MEDIA TL          0000
                  0.00
CASH ID          94.54
CHECK ID         2.00
CHARGE ID        1.00
COUPON ID        1.00
CREDIT-1 ID     1.00
CREDIT-2 ID     1.00
CREDIT-3 ID     1.00
CREDIT-4 ID     1.00
CREDIT-5 ID     0.00

0099           12:10TM
    
```

3.3.20 Maintenance PLU Report

OPERATION

Control Lock: **X** for read, **Z** for reset
40 [AT/TL]

NOTE: Printing will be cancelled by depressing the [C] key during report print.

```

24-01-2002      #1234

Z                4 0

*****
SKU PLU REPORT
*****
PLU04904910035397
1                1.00
PLU04904910031634
1                1.00
PLU04904910038367
1                1.20
PLU00000049104172
1                1.80
PLU00000050357291
1                3.00

0003           12:02TM
    
```

Performing this operation in **Z** mode merges the PLUs added by PLU Urgent Maintenance during sale transaction (added to the Additional PLU File) with the PLU Main File. At the same time, the Additional PLU area is cleared. You can maintain the remaining part of PLU items after referring to this report.

3.3.21 DP and Financial Read or Reset

OPERATION

Control Lock: X for read, Z for reset
[AT/TL]

- NOTES:** 1. Printing will be cancelled by depressing the [C] key during report print.
2. The different DP Report will be printed in each conditions below; when Department and PLU Sales Ratio on Reports is not programmed in Print Item on Reports Setting, and when Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting. However, the Financial Report will be completely same in these conditions.

When Department and PLU Sales Ratio on Reports is NOT programmed in Print Item on Reports Setting

When Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting

24-01-2002	#1234
Z	

* FINANCIAL REPORT *	

	Z1:0001
DEPT08	0011
7	70.00
DEPT09	0010
10	10.00
DEPT10	0009
9	18.00
ST	98.00
DEPT GP#1	
DEPT01	0009
9	27.00
DEPT02	0009
9	36.00
DEPT03	0008
8	40.00
DEPT04	0008
8	48.00
ST	151.00
DEPT GP#5	
DEPT05	0008
8	56.00
DEPT06	0008
8	64.00
DEPT07	0008
6	54.00

DP Report

24-01-2002	#1234
Z	

* FINANCIAL REPORT *	

	Z1:0001
TOTAL	423.00
DEPT08	
16.55%	0011
11	70.00
DEPT09	
2.36%	0010
10	10.00
DEPT10	
4.23%	0009
9	18.00
ST	98.00
DEPT GP#1	
DEPT01	
6.38%	0009
9	27.00
DEPT02	
8.51%	0009
9	36.00
DEPT03	
9.46%	0008
8	40.00
DEPT04	
11.35%	0008
8	48.00
ST	151.00
DEPT GP#5	
DEPT05	
13.24%	0008
8	56.00
DEPT06	
15.13%	0008
8	64.00
DEPT07	
12.77%	0008
6	54.00

(cont.)

GT	10039.26
NET GT	988.94
NEG-GT	0.00
GS	
10	1035.00
%+	0003
	20.00
ADD ON	0000
	0.00
NS w/o Tax	1000.00
TAX 1	2.00
TAX 2	3.00
TAX 3	5.00
TAX 4	5.00
NS w/ Tax	0010
	1015.00
HASH DPT	
3	5.00
-HASH DPT	
1	-5.00
MISC VOID	0000
	0.00
%-	0001
	3.00
V.CPN	0001
	3.00
DISC	0001
	3.00
BTR	0001
	3.00
MEDIA TL	0035
	1003.00
CASH	0014
	177.10
CHECK	0004
	130.00
CHARGE	0004
	120.00
COUPON	0000
	0.00
CREDIT-1	0001
	1.00
CREDIT-2	0001
	2.00
CREDIT-3	0001
	3.00
CREDIT-4	0000
	0.00
CREDIT-5	0000
	0.00
FS TL	0000
	0.00
R/A	0001
	100000.00
PO	0001
	-50000.00
LOAN	0000
	0.00
PICK UP	0000
	0.00
CASH ID	50172.10
CHECK ID	135.00
CHARGE ID	120.00
COUPON ID	0.00

↓
Financial Report

CREDIT-1 ID	1.00
CREDIT-2 ID	2.00
CREDIT-3 ID	3.00
CREDIT-4 ID	0.00
CREDIT-5 ID	0.00
FS ID	0.00
FS CG	0.00
CASH DIF	50172.10
CHECK DIF	135.00
CHARGE DIF	120.00
COUPON DIF	0.00
CREDIT-1 DIF	1.00
CREDIT-2 DIF	2.00
CREDIT-3 DIF	3.00
CREDIT-4 DIF	0.00
CREDIT-5 DIF	0.00
ITEM %+	0000
	0.00
ITEM ADD ON	0000
	0.00
VOID/CORR	0002
	20.00
ALL VOID	0000
	0.00
S.CPN	
0	0.00
- DPT	0000
	0.00
RTN	0001
	-9.00
ITEM %-	0000
	0.00
ITEM DISC	0000
	0.00
- TAX	0.00
REG -	0000
	0.00
TXBL TL 1	27.85
	9 %
TAX 1	2.51
TXBL TL 2	27.15
	16.65 %
TAX 2	4.52
TXBL TL 3	36.20
	23 %
TAX 3	8.33
NS w/o TAX	0.00
EX CUS	0000
TAX EX 1	0.00
TAX EX 2	0.00
TAX EX 3	0.00
TAX EX 4	0.00
FC01	0000
	0.00
FC02	0000
	0.00
CLEAR CTR	0000
NO-SALE	0000
VALI CTR	0000
POWER OFF/ON	0000
#INICIAL	0000
	0099 12:10TM

NOTE
NOTE
NOTE

NOTE: Tax rate is printed when it is a percent rate and programmed to be printed on reports.

3.3.22 DP and Financial GT Read and GT Reset

OPERATION

Control Lock: **X** for read, **Z** for reset
 200 [AT/TL]

- NOTES:** 1. Printing will be cancelled by depressing the [C] key during report print.
 2. The different DP Report will be printed in each conditions below; when Department and PLU Sales Ratio on Reports is not programmed in Print Item on Reports Setting, and when Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting. However, the Financial Report will be completely same in these conditions.

When Department and PLU Sales Ratio on Reports is NOT programmed in Print Item on Reports Setting

When Department and PLU Sales Ratio on Reports is programmed in Print Item on Reports Setting

24-01-2002	#1234
GTZ	200

* FINANCIAL REPORT *	

	Z1:0001
DEPT08	0011
7	70.00
DEPT09	0010
10	10.00
DEPT10	0009
9	18.00
ST	98.00
DEPT GP#1	
DEPT01	0009
9	27.00
DEPT02	0009
9	36.00
DEPT03	0008
8	40.00
DEPT04	0008
8	48.00
ST	151.00
DEPT GP#5	
DEPT05	0008
8	56.00
DEPT06	0008
8	64.00
DEPT07	0008
6	54.00

DP Report

24-01-2002	#1234
GTZ	200

* FINANCIAL REPORT *	

	Z1:0001
TOTAL	423.00
DEPT08	16.55%
11	70.00
DEPT09	2.36%
10	10.00
DEPT10	4.23%
9	18.00
ST	98.00
DEPT GP#1	
DEPT01	6.38%
9	27.00
DEPT02	8.51%
9	36.00
DEPT03	9.46%
8	40.00
DEPT04	11.35%
8	48.00
ST	151.00
DEPT GP#5	
DEPT05	13.24%
8	56.00
DEPT06	15.13%
8	64.00
DEPT07	12.77%
6	54.00

(cont.)

GT	10039.26
NET GT	988.94
NEG-GT	0.00
GS	
10	1035.00
%+	0003
	20.00
ADD ON	0000
	0.00
NS w/o Tax	1000.00
TAX 1	2.00
TAX 2	3.00
TAX 3	5.00
TAX 4	5.00
NS w/ Tax	0010
	1015.00
HASH DPT	
3	5.00
-HASH DPT	
1	-5.00
MISC VOID	0000
	0.00
%-	0001
	3.00
V.CPN	0001
	3.00
DISC	0001
	3.00
BTR	0001
	3.00
MEDIA TL	0035
	1003.00
CASH	0014
	177.10
CHECK	0004
	130.00
CHARGE	0004
	120.00
COUPON	0000
	0.00
CREDIT-1	0001
	1.00
CREDIT-2	0001
	2.00
CREDIT-3	0001
	3.00
CREDIT-4	0000
	0.00
CREDIT-5	0000
	0.00
FS TL	0000
	0.00
R/A	0001
	10000.00
PO	0001
	-5000.00
LOAN	0000
	0.00
PICK UP	0000
	0.00
CASH ID	50172.10
CHECK ID	135.00
CHARGE ID	120.00
COUPON ID	0.00

↓
Financial Report

CREDIT-1 ID	1.00
CREDIT-2 ID	2.00
CREDIT-3 ID	3.00
CREDIT-4 ID	0.00
CREDIT-5 ID	0.00
FS ID	0.00
FS CG	0.00
CASH DIF	50172.10
CHECK DIF	135.00
CHARGE DIF	120.00
COUPON DIF	0.00
CREDIT-1 DIF	1.00
CREDIT-2 DIF	2.00
CREDIT-3 DIF	3.00
CREDIT-4 DIF	0.00
CREDIT-5 DIF	0.00
ITEM %+	0000
	0.00
ITEM ADD ON	0000
	0.00
VOID/CORR	0002
	20.00
ALL VOID	0000
	0.00
S.CPN	
0	0.00
- DPT	0000
	0.00
RTN	0001
	-9.00
ITEM %-	0000
	0.00
ITEM DISC	0000
	0.00
- TAX	0.00
REG -	0000
	0.00
TXBL TL 1	27.85
	9 %
TAX 1	2.51
TXBL TL 2	27.15
	16.65 %
TAX 2	4.52
TXBL TL 3	36.20
	23 %
TAX 3	8.33
NS w/o TAX	0.00
EX CUS	0000
TAX EX 1	0.00
TAX EX 2	0.00
TAX EX 3	0.00
TAX EX 4	0.00
FC01	0000
	0.00
FC02	0000
	0.00
CLEAR CTR	0000
NO-SALE	0000
VALI CTR	0000
POWER OFF/ON	0000
#INICIAL	0000
	0099 12:10TM

NOTE

NOTE

NOTE

NOTE: Tax rate is printed when it is a percent rate and programmed to be printed on reports.

3.3.23 Local Total Report

OPERATION

Control Lock: X

47 [AT/TL]

```
24-01-2002          #1234

X                4 7

2 -9999999.99 999999
3 -9999999.99 999999
4 -9999999.99 999999
5 -9999999.99 999999
6 -9999999.99 999999
7 -9999999.99 999999
8 -9999999.99 999999
9 -9999999.99 999999
99 -9999999.99 999999

                0099      12:15TM
```

← Amount, Count

2: AMEX
3: VISA
4: Master Card
5: Discover
6: Private Label

7: Diner's Club or Carte Blanche
8: JCB
9: Debit
99: Total for all card types

4. PROGRAMMING OPERATIONS

This chapter is provided for the store programmer or the store manager who may have to change the programmed data of the MA-1535 series ECR on the daily, weekly, or monthly basis. Usually, all the basic program data required for your store should be set before delivering the product by your local TOSHIBA TEC representative. However, in need of changing or adding program data, please refer to this chapter. It is also recommended to read the OPERATOR'S GUIDE as well as other chapters of the MANAGER'S GUIDE in order to thoroughly understand the descriptions in this chapter. If these are any unclear points or program data other than listed here must be changed or added, please contact your TOSHIBA TEC representative.

Table of Programming Operations

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4.1 Basic Key Functions

1) Main keys

- [#/NS]**----- Used to enter the Program Submode No., Address data, Item data.
Used to end the entire Program Submode Sequence.
- [ST], [AT/TL]**----- Used to enter the Address No., Item Code.
Used to end the Item data entries.

2) [C] key

- When the program data has finished to be printed, the **[C]** key cannot clear it. If you correct the program data, re-enter the data.
- Before the program data is printed, the **[C]** key can clear it.

3) [ITEM CORR] key

When you enter incorrect settings, depressing the **[ITEM CORR]** key can return the display to the previous item setting.

4) 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

4.2 Character Entry Method

Character Entry Method is to set characters by entering Character Code. This method is allowed on the ECR keyboard.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	Control Code															
1																
2	SP	!	”	#	\$	%	&	'	()	*	+	,	-	.	/	
3	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
4	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
5	P	Q	R	S	T	U	V	W	X	Y	Z	[\]	^	_
6	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
7	p	q	r	s	t	u	v	w	x	y	z	{		}	~	⚡
8	TX	T1	T2	T3	T4	T5	T6	T7	T8	T9	Á	á	í	í	ó	ó
9	õ	õ	ú	ú	ü	ü	ü	ý	ð	p	ö	i	lv	l1	l2	l3
A	14	15	16	ą	ć	ę	ł	ń	ś	ź	z	Ą	Ć	Ę	Ł	Ń
B		ś	ź	z												
C							ñ	Ñ	Г	Δ	Θ	Λ	Ξ	Π	Σ	Υ
D	Φ	Ψ	Ω	£	π	À	À	À	Ä	Ç	É	È	Ê	Ë	Ĝ	İ
E	Î	Ï	Ñ	Ô	Ö	Ş	Û	Û	Ü	Æ	Œ	ß	à	â	ä	è
F	é	ê	ë	”	¿	I	II	III	■	ì	ì	€				WS

Character Setting Operation

Key layout required at character setting is shown below. (Keys of bold characters are used at programming operation.)

		f	#/NS			E	J	O	T	Y	SPACE
		e	C (Clear)			D	I	N	S	X	:
		d	7	8	9	C	H	M	R	W	,
		c	4	5	6	B	G	L	Q	V	.
		b	1	2	3	A	F	K	P	U	Z
		a	0	00	.		AT/TL				

As character entry method, the Character Codes shown on the previous page are used basically. The above shadowed keys are used for character code entry. To enter numeric rows and columns, the Ten Keys on the keyboard are used. To enter alphabetic rows and columns A to F, the shadowed keys a to f are used, respectively. When entering character codes, enter row code and then column code. Therefore, one character should consist of two codes.

- To set a regular-sized character, enter Row code and then Column code.

Example) To set "A", enter [4] [1].
 To set "n", enter [6] [e].
 To set "ä", enter [e] [e].

- To set a blank instead of a character, enter [2] [0].

- To set a double-sized character, enter [f] [f] and then enter Row code and the Column code.

Example) To set "Drink", "D" in double-sized, and "rink" in regular-sized;

[f][f][4][4] [7][2] [6][9] [6][e] [6][b]
D r i n k

To set "Drink", all in double-sized;

[f][f][4][4] [f][f][7][2] [f][f][6][9] [f][f][6][e] [f][f][6][b]
D r i n k

The keys of SPACE and big-letter alphabets are used to enter spaces and alphabets in big letter directly from the keyboard instead of character code entry.

4.3 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. Attempting operations without taking the report will cause an error. However, the condition “After----- reset” doesn’t mean “immediately after----- reset”.

After the designated reset report is taken, performing the programming operations in the **SET, X, or Z** mode is within the condition “After----- reset”. And the operations are still allowed.

On the contrary, after the designated reset report is taken, entering sales data relating to the report data in the **REG**, or mode will cause the programming operation not to be allowed. And the same reset report must be taken.

Thus the condition “After----- reset” indicates that all 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.

Key Operation: Control Lock: **SET**, Enter 01 and depress the **[#/NS]** key.

01 **[#/NS]** (Line No. 1)
 [2] [0] (Space)
 [2] [0] (Space)
 [2] [0] (Space)
 [f] [f] [5] [4] (T)
 [f] [f] [4] [5] (E)
 [f] [f] [4] [3] (C)
 [2] [0] (Space)
 [2] [0] (Space)
 [f] [f] [5] [3] (S)
 [f] [f] [5] [4] (T)
 [f] [f] [4] [f] (O)
 [f] [f] [5] [2] (R)
 [f] [f] [4] [5] (E)
 [AT/TL] (to complete Line 1)

02 **[#/NS]** (Line No. 2)
 [2] [0] (Space)
 [2] [0] (Space)
 [2] [0] (Space)
 [2] [0] (Space)
 [3] [1] (1)
 [3] [3] (3)
 [3] [4] (4)
 [3] [3] (3)
 [2] [0] (Space)
 [5] [0] (P)
 [4] [5] (E)
 [4] [1] (A)
 [4] [3] (C)
 [4] [8] (H)
 [2] [0] (Space)
 [4] [4] (D)
 [5] [2] (R)
 [4] [9] (I)
 [5] [6] (V)
 [4] [5] (E)
 [AT/TL] (to complete Line 2)

03 **[#/NS]** (Line No. 3)
 [2] [0] (Space)
 [2] [0] (Space)
 [2] [0] (Space)
 [2] [0] (Space)
 [2] [0] (Space)
 [5] [0] (P)
 [4] [8] (H)
 [4] [f] (O)
 [4] [e] (N)
 [4] [5] (E)
 [3] [a] (:)
 [2] [0] (Space)
 [3] [8] (8)
 [3] [7] (7)
 [2] [d] (-)
 [3] [6] (6)
 [3] [4] (4)
 [3] [3] (3)
 [3] [7] (7)
 [AT/TL] (to complete Line 3)

05 **[#/NS]** (Line No. 5)
 [4] [f] (O)
 [7] [0] (p)
 [6] [5] (e)
 [6] [e] (n)
 [2] [0] (Space)
 [2] [0] (Space)
 [3] [8] (8)
 [3] [a] (:)
 [3] [0] (0)
 [3] [0] (0)
 [6] [1] (a)
 [6] [d] (m)
 [2] [0] (Space)
 [7] [4] (t)
 [6] [f] (o)

[2] [0] (Space)
 [3] [7] (7)
 [3] [a] (:)
 [3] [0] (0)
 [3] [0] (0)
 [7] [0] (p)
 [6] [d] (m)
 [AT/TL] (to complete Line 5)

06 **[#/NS]** (Line No. 6)
 [4] [3] (C)
 [6] [c] (l)
 [6] [f] (o)
 [7] [3] (s)
 [6] [5] (e)
 [6] [4] (d)
 [3] [a] (:)
 [2] [0] (Space)
 [6] [5] (e)
 [7] [6] (v)
 [6] [5] (e)
 [7] [2] (r)
 [7] [9] (y)
 [2] [0] (Space)
 [5] [7] (W)
 [6] [5] (e)
 [6] [4] (d)
 [6] [e] (n)
 [6] [5] (e)
 [7] [3] (s)
 [6] [4] (d)
 [6] [1] (a)
 [7] [9] (y)
 [AT/TL] (to complete Line 6)

07 **[#/NS]** (Line No. 7)
 [2] [0] } (Spaces of
 } 24 characters)
 [2] [0] }
 [AT/TL] (to complete Line 7)
 [#NS] (to complete this
 submode)

```

01-01-2002          #0000

PRG          O 1

01-01
    TEC STORE
02-01
    1343 PEACH DRIVE
03-01
    PHONE: 87-6437
05-01
Open 8:00am to 7:00pm
06-01
Closed: every Wednesday
07-01

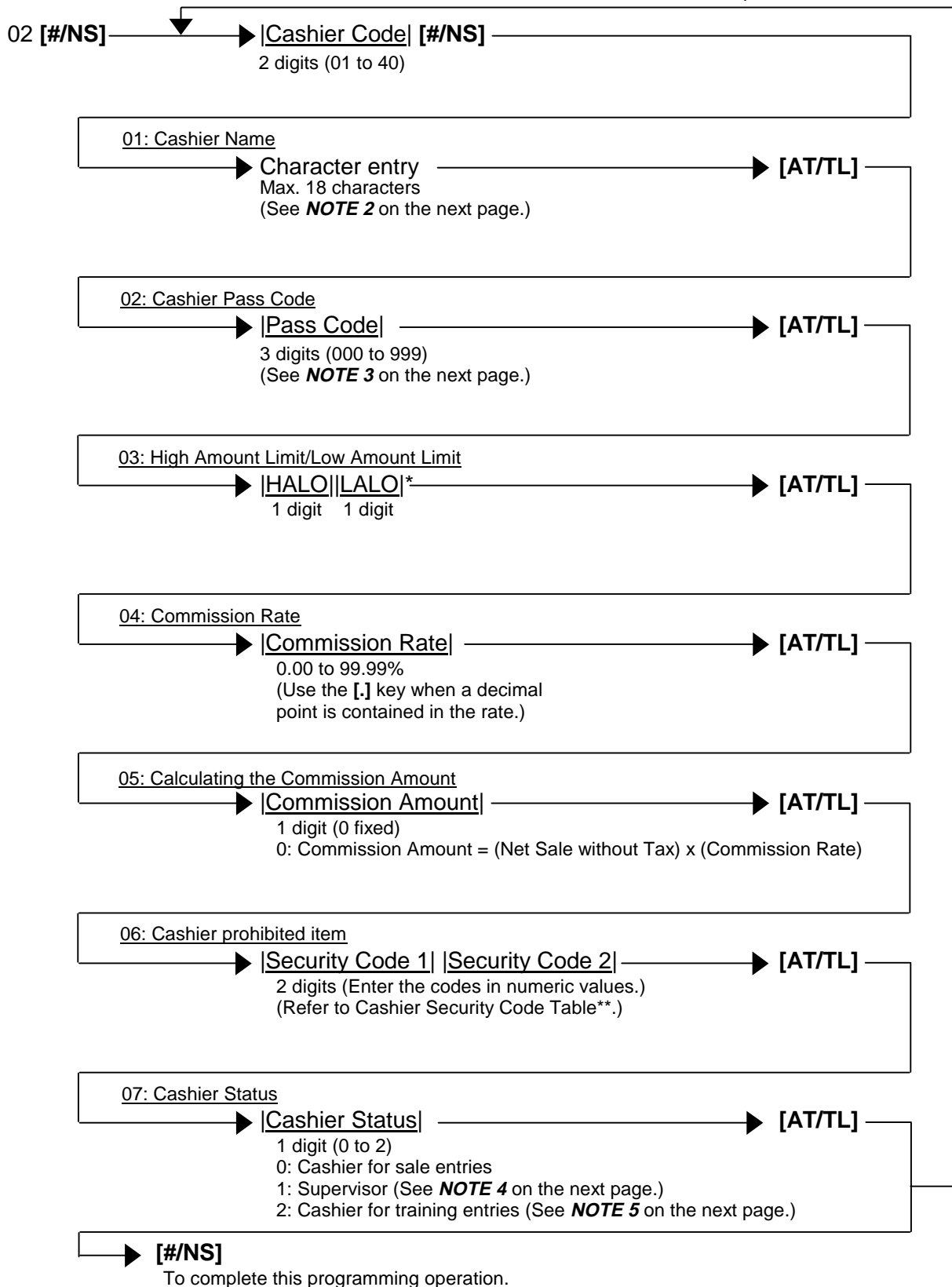
          0008          12:10TM
    
```

4.5 Cashier Code and Name Programming (Submode 2)

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**

Repeat for other cashiers.



*HALO/LALO (This setting will be effective as amount limit at the payment, Received-on-Account, or Paid-Out.)

HALO (High Amount to be Locked Out)

- 0: No limit
- 1: 1 digit (0 to 9)
- 2: 2 digits (0 to 99)
- 3: 3 digits (0 to 999)
- 4: 4 digits (0 to 9999)
- 5: 5 digits (0 to 99999)
- 6: 6 digits (0 to 999999)
- 7: 7 digits (0 to 9999999)

LALO (Low Amount to be Locked Out)

- 0: No limit
- 1: 1 digit (1 to 9999999)
- 2: 2 digits (10 to 9999999)
- 3: 3 digits (100 to 9999999)
- 4: 4 digits (1000 to 9999999)
- 5: 5 digits (10000 to 9999999)
- 6: 6 digits (100000 to 9999999)
- 7: 7 digits (1000000 to 9999999)

**Cashier Security Code Table

Security Code Table 1

	0	1	2	3	4	5	6	7
Prohibition of Returned Merchandise and Bottle Return Operation		○		○		○		○
Prohibition of Amount Discount, Amount Charge, Percent Discount and Percent Charge Operation			○	○			○	○
Prohibition of Negative PLU/Department Entry and Correct Operation (NOTE 6)					○	○	○	○

Security Code Table 2

	0	1	2	3	4	5	6	7
Prohibition of Tax Exemption, Vendor Coupon and Store Coupon Operation		○		○		○		○
Prohibition of Finalizing Operation when the total is less than 0.			○	○			○	○
Prohibition of Paid-Out Operation					○	○	○	○

- NOTES:**
1. In each item setting, depressing the **[AT/TL]** key without data entry skips to the next item setting.
 2. Entering 2 digits of numeric code provides an alphanumeric character of Cashier Name. Therefore, odd number of numeric digit entry will cause an error. When less than 36 digits of numeric data are entered, this ECR uses space code entry. If a Cashier Name includes spaces at the beginning, entering space code is required at the beginning of data entry. For the Cashier name, up to 18 regular-sized or 9 double-sized characters can be entered. Also a combination of both types can be entered.
 3. If you enter "000", this ECR is released from the Pass Code system.
 4. When "1: Supervisor" is set as cashier status, the cashier can always interrupt other cashiers. When a cashier requires to perform prohibited operations, the cashier programmed as Supervisor can release the prohibition by SIGN-IN, resulting to perform any of one operation. After that, the prohibitive condition is restored.
 5. After selecting Cashier for Training Entry, a cashier can operate the same transaction entries as those in the **REG** mode. The data in the training mode is not processed, therefore, not affect any actual sales data in business. "TRAINING" as header will be printed on the receipt.
 6. After "Prohibition of Correct Operation" is set, Void and All Void operations will be invalid.

Example)

To program the following cashier data

Cashier Code: 01
 Cashier Name: Jones
 Pass Code: 111
 HALO/LALO: No limit/No limit
 Commission Rate: 0.5%
 Commission Amount: (Net sale without Tax) x (Commission Rate)
 Cashier prohibited item: Paid-Out operation
 Cashier Status: Cashier for sale entries

Key Operation: Control Lock: **SET**, Enter 02 and depress the **[/NS]** key.

[0] [1] [/#NS]	(Cashier Code)
[4] [a]	(J)
[4] [f]	(O)
[4] [e]	(N)
[4] [5]	(E)
[5] [3]	(S)
[AT/TL]	} (01: Cashier Name)
[1] [1] [1] [AT/TL]	
[0] [0] [AT/TL]	
[0] [.] [5] [AT/TL]	
[0] [AT/TL]	
[0] [4] [AT/TL]	(02: Cashier Pass Code)
[0] [AT/TL]	(03: HALO/LALO)
[0] [.] [5] [AT/TL]	(04: Commission Rate)
[0] [AT/TL]	(05: Commission Amount)
[0] [4] [AT/TL]	(06: Cashier prohibited item)
[0] [AT/TL]	(07: Cashier Status)
[/#NS]	(Complete this submode.)

01-01-2002	#0000
PRG	02
01-01	
JONES	
-02	111
-03	00
-04	0.50
-05	0
-06	04
-07	0
0009	12:12TM

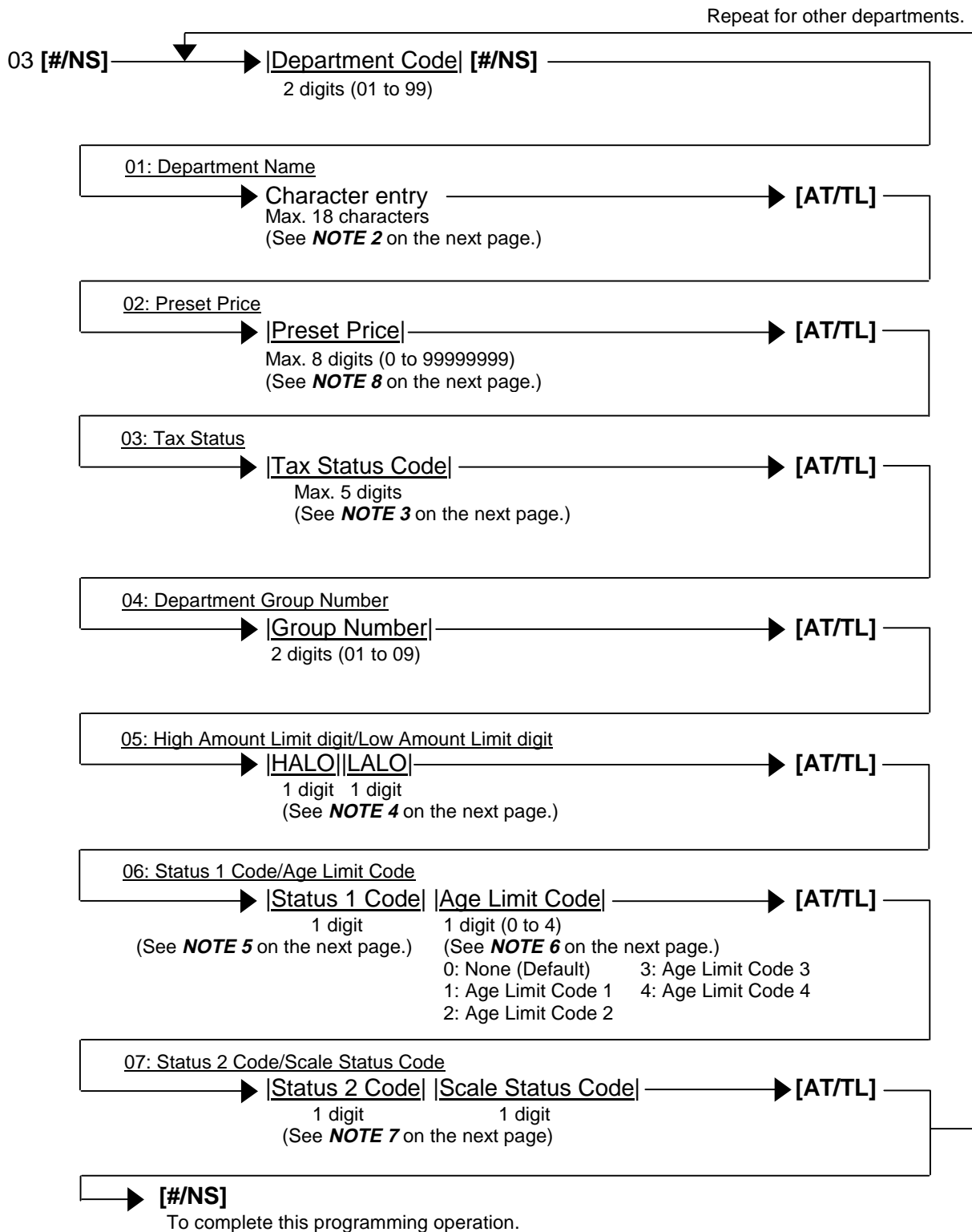
4.6 Department Table Programming (Submode 3)

CONDITION

To change the positive/negative, Hash Department and Age Limit statuses:
 After Department, PLU Daily, and GT resets
 To change any other programmed data or to newly program departments:
 Anytime outside a sale

OPERATION

Control Lock: **SET**



- NOTES:**
- In each item setting, depressing the **[AT/TL]** key without data entry skips to the next item setting.
 - Entering 2 digits of numeric code provides an alphanumeric character of Department Name. Therefore, odd number of numeric digit entry will cause an error. When less than 36 digits of numeric data are entered, this ECR uses space code entry. If a Department Name includes spaces at the beginning, entering space code is required at the beginning of data entry. For the Department name, up to 18 regular-sized or 9 double-sized characters can be entered. Also a combination of both types can be entered.
 - Enter a maximum of 5 digits by combining 0 to 5.

- 0: Non-taxable
- 1: Tax 1 (Tax 1 taxable)
- 2: Tax 2 (Tax 2 taxable)
- 3: Tax 3 (Tax 3 taxable)
- 4: Tax 4 (Tax 4 taxable)
- 5: Food stamp

} Enter a maximum of 5 digits by combining 0 to 5.

4. HALO/LALO

HALO (High Amount to be Locked Out)

LALO (Low Amount to be Locked Out)

- 0: No limit
- 1: 1 digit (0 to 9)
- 2: 2 digits (0 to 99)
- 3: 3 digits (0 to 999)
- 4: 4 digits (0 to 9999)
- 5: 5 digits (0 to 99999)
- 6: 6 digits (0 to 999999)
- 7: 7 digits (0 to 9999999)

- 0: No limit
- 1: 1 digit (1 to 9999999)
- 2: 2 digits (10 to 9999999)
- 3: 3 digits (100 to 9999999)
- 4: 4 digits (1000 to 9999999)
- 5: 5 digits (10000 to 9999999)
- 6: 6 digits (100000 to 9999999)
- 7: 7 digits (1000000 to 9999999)

5. Status 1 Code Table (Default: 0)

	0	1	2	3	4	5	6	7
Single Item		0		0		0		0
Negative Department			0	0			0	0
Hash Department					0	0	0	0

6. Age Limit Code can be programmed in **4.22 Age Limit Setting (Submode 55)**.

7. Status 2 Code Table (Default: 0)

Item	Code	0	1	2	3	4	5	6	7
Store Coupon			0		0		0		0
Gasoline Status				0	0			0	0
Split Package Pricing is available.						0			

Scale Status Code Table (Default: 0)

Item	Code	0	1	2	3	4	5	6	7
Scale Status			0		0		0		0
Tare 2 (Manual Tare) Entry Compulsion					0				0
Food Stamp Symbol is printed. (NOTE 9)						0	0	0	0

- Be sure to enter the amount less than cent when programming the preset price of gasoline only. (Up to \$999.999 can be entered.)
- This status is effective only when Canadian Tax System is set.

Example)

To program the following department data

Department Code: 01
 Department Name: VEGETABLE
 Preset Price: Open
 Tax Status: Tax 1 taxable and Foot Stamp
 Department Group No.: 01
 HALO/LALO: No limit/No limit
 Status 1 Code/Age Limit Code: None/None
 Status 2 Code/Scale Status Code: None/None

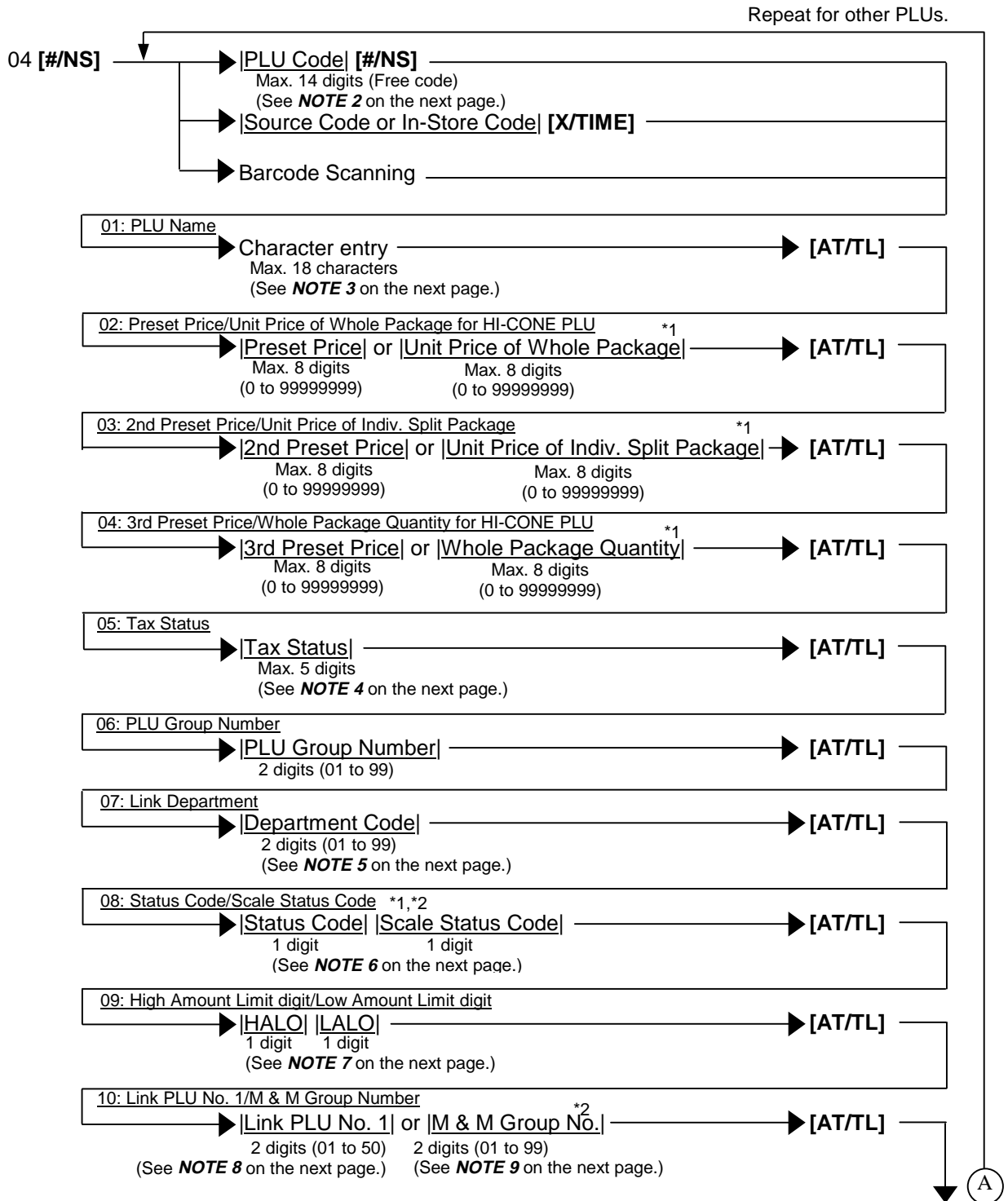
Key Operation: Control Lock: **SET**, Enter 03 and depress the **[/NS]** key.

[0] [1] [/#NS]	(Department Code)
[5] [6]	(V)
[4] [5]	(E)
[4] [7]	(G)
[4] [5]	(E)
[5] [4]	(T)
[4] [1]	(A)
[4] [2]	(B)
[4] [c]	(L)
[4] [5]	(E)
[AT/TL]	} (01: Department Name)
[AT/TL]	
[1] [5] [AT/TL]	(02: Preset Price (open))
[0] [1] [AT/TL]	(03: Tax Status)
[0] [0] [AT/TL]	(04: Department Group Number)
[0] [0] [AT/TL]	(05: HALO/LALO)
[0] [0] [AT/TL]	(06: Status 1 Code/Age Limit Code)
[0] [0] [AT/TL]	(07: Status 2 Code/Scale Status Code)
[/#NS]	(Complete this submode.)

01-01-2002	#0000
PRG	03
01-01	VEGETABLE
-03	15
-04	01
-05	00
-06	00
-07	00
0009	12:12TM

4.7 PLU Table Programming (Submode 4)

- CONDITION** To program new PLUs or to change any programmed contents of PLUs except the following case: Anytime outside a sale
- OPERATION** To change the linked Department of a PLU with sales data not zero: After PLU Reset Control Lock: **SET**

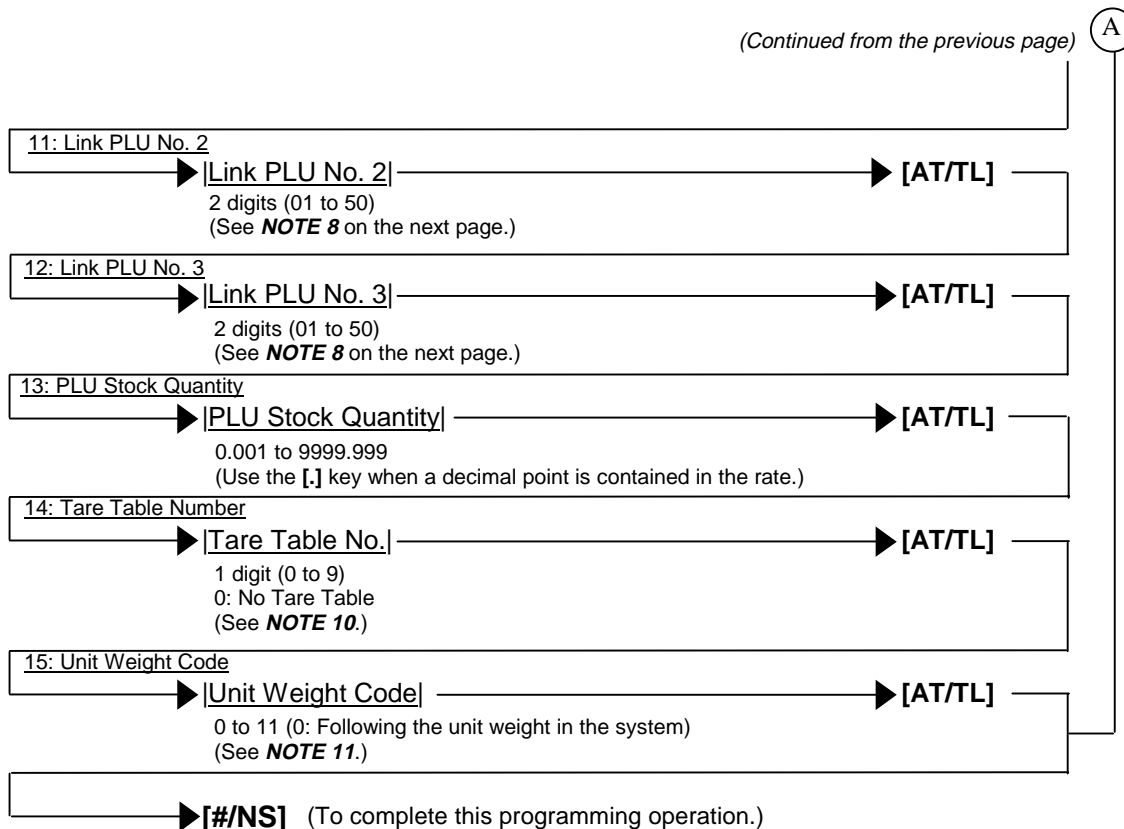


*1: This setting is exclusive to the PLU allocated HI-CONE PLU in the Status Code setting.

*2: This setting is exclusive to the PLU allocated M & M Table in the Status Code setting.

(Continued on the next page)

(Continued from the previous page)



- NOTES:**
1. In each item setting, depressing the [AT/TL] key without data entry skips to the next item setting.
 2. Up to 24,000 PLUs are programmable. (The Number of PLU varies depending on the capacity and allocation of the RAM.)
 3. Entering 2 digits of numeric code provides an alphanumeric character of PLU Name. Therefore, odd number of numeric digit entry will cause an error. When less than 36 digits of numeric data are entered, this ECR uses space code entry. If a PLU Name includes spaces at the beginning, entering space code is required at the beginning of data entry. For the PLU name, up to 18 regular-sized or 9 double-sized characters can be entered. Also a combination of both types can be entered.
 4. Enter a maximum of 5 digits by combining 0 to 5.

0: Non-taxable 1: Tax 1 (Tax 1 taxable) 2: Tax 2 (Tax 2 taxable) 3: Tax 3 (Tax 3 taxable) 4: Tax 4 (Tax 4 taxable) 5: Food stamp	}	Enter a maximum of 5 digits by combining 0 to 5.
---	---	--
 5. Enter 2-digit of Department Code to which the PLU is linked. When the PLU is newly programmed, this entry is compulsory. (This entry can be skipped, however, an error occurs when this programming is completed. Therefore, this entry is compulsory.) When linked to HASH Department, a PLU will be HASH PLU. When a linked department is processed by single item, a PLU is also processed in the same way.

6. Status Code and Scale Status Code are as the tables below show.

Status Code Table (Default: 0)

Item	Code	0	1	2	3	4	5	6	7
Negative			0		0		0		0
HI-CONE Status				0	0			0	0
M & M Table								0	0

By HI-CONE Status setting, a PLU will be programmed for commodities in a package.

Scale Status Code Table (Default: 0)

Item	Code	0	1	2	3	4	5	6	7
Scale Status			0		0		0		0
Tare 2 (Manual Tare) Entry Compulsion					0				0
Food Stamp Symbol is printed. (NOTE 12)						0	0	0	0

7. HALO digit/LALO digit

HALO (High Amount to be Locked Out)

LALO (Low Amount to be Locked Out)

0: No limit

0: No limit

1: 1 digit (0 to 9)

1: 1 digit (1 to 9999999)

2: 2 digits (0 to 99)

2: 2 digits (10 to 9999999)

3: 3 digits (0 to 999)

3: 3 digits (100 to 9999999)

4: 4 digits (0 to 9999)

4: 4 digits (1000 to 9999999)

5: 5 digits (0 to 99999)

5: 5 digits (10000 to 9999999)

6: 6 digits (0 to 999999)

6: 6 digits (100000 to 9999999)

7: 7 digits (0 to 9999999)

7: 7 digits (1000000 to 9999999)

8. "00" indicates that no Link PLU exists. This setting is applied to the PLUs without M & M Table setting. Up to 99 can be entered, however, the Numbers 51 to 99 indicate that no Link PLU exists.

9. M & M Group

Item	PLU	PLU1	PLU2	PLU3
Whole Package Price		100	100	100
Whole Package Quantity		3	3	3
Unit Price of Individual Split Package		40	40	40

In case PLU1 to PLU3 are set in different M & M Groups respectively:

1 [SPLIT PRICE] 1 [PLU] --- 40
 1 [SPLIT PRICE] 2 [PLU] --- 40
 1 [SPLIT PRICE] 3 [PLU] --- 40 } The amount total will be 120.

In case PLU1 to PLU3 are set in the same M & M Group:

1 [SPLIT PRICE] 1 [PLU] --- 40
 1 [SPLIT PRICE] 2 [PLU] --- 40
 1 [SPLIT PRICE] 3 [PLU] --- 20 } The amount total (whole package price) will be 100 so that the unit price of individual split package of PLU3 is arranged automatically.

10. The Tare Table can be programmed in 4.23 Tare Table Setting (Submode 56).

11. Unit Weight Code Table

General Unit Weight Code	LB Unit	Kg Unit
1	1 LB	1 Kg
2	2 LB	2 Kg
3	3 LB	3 Kg
4	4 LB	4 Kg
5	5 LB	5 Kg
6	6 LB	6 Kg
7	7 LB	7 Kg
8	8 LB	8 Kg
9	9 LB	9 Kg
10	1/2 LB	100 g
11	1/4 LB	---

12. This status is effective only when Canadian Tax System is set.

Example) To program the following PLU data

PLU Code: 01000000010101
 PLU Name: Tomato
 Preset Price: 1.00
 2nd Preset Price: 1.20
 3rd Preset Price: 1.40
 Tax Status: Tax 1 taxable and Food Stamp
 PLU Group No.: 01
 Linked Dept. Code: 01
 Status Code/Scale Status Code: Positive/None
 HALO/LALO: No limit/No limit
 Link PLU No. 1: None
 Link PLU No. 2: None
 Link PLU No. 3: None
 Stock Quantity: 100.00
 Tare Table No.: None
 Unit Weight Code: Unit Weight in the system

Key Operation: Control Lock: SET, Enter 04 and depress the [#NS] key.

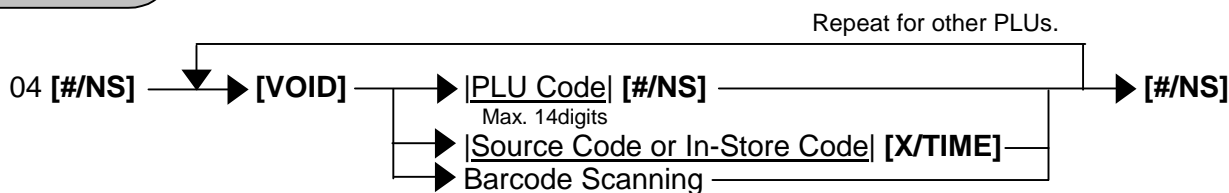
01000000010101 [#NS] (PLU Code)
 [5] [4] (T)
 [6] [f] (o)
 [6] [d] (m)
 [6] [1] (a)
 [7] [4] (t)
 [6] [f] (o)
 [AT/TL]
 [1] [0] [0] [AT/TL] (02: Preset Price)
 [1] [2] [0] [AT/TL] (03: 2nd Preset Price)
 [1] [4] [0] [AT/TL] (04: 3rd Preset Price)
 [1] [5] [AT/TL] (05: Tax Status)
 [0] [1] [AT/TL] (06: PLU Group Number)
 [0] [1] [AT/TL] (07: Linked Dept. Code)
 [0] [0] [AT/TL] (08: Status Code/Scale Status Code)
 [0] [0] [AT/TL] (09: HALO/LALO)
 [0] [0] [AT/TL] (10: Link PLU No. 1)
 [0] [0] [AT/TL] (11: Link PLU No. 2)
 [0] [0] [AT/TL] (12: Link PLU No. 3)
 [1] [0] [0] [AT/TL] (13: Stock Quantity)
 [0] [AT/TL] (14: Tare Table Number)
 [0] [AT/TL] (15: Unit Weight Code)
 [#NS] (Complete this submode.)

01-01-2002	#0000
PRG	04
01000000010101	
-01	Tomato
-02	1.00
-03	1.20
-04	1.40
-05	15
-06	01
-07	01
-08	00
-09	00
-10	00
-11	00
-12	00
-13	100.00
-14	0
-15	00
0007	13:26TM

Deletion

CONDITION After PLU reset

OPERATION Control Lock: **SET**



Example) To delete PLU No. 0100000090101 (Coke Small-A) that was programmed.

Key Operation: Control Lock: **SET**, Enter 04 and depress the [#NS] key.

0100000090101 **[VOID]**
 [#NS] (PLU Code)
 [#NS]

```

01-01-2002          #0000

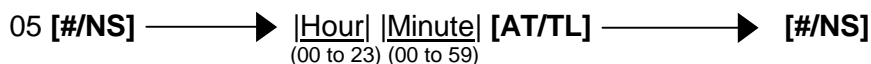
PRG                04

***** PLU DELETE *****
0100000090101
-01
   Coke Small-A
           0018      11:30TM
    
```

4.8 Time Setting or Adjustment (Submode 5)

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**



NOTE: If an hour value of more than 23 or a minute value of more than 59 is entered, an error occurs.

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

Key Operation: Control Lock: **SET**, Enter 05 and depress the [#NS] key.

[1] [3] [1] [5] [AT/TL]
 [#NS]

```

01-01-2002          #0000

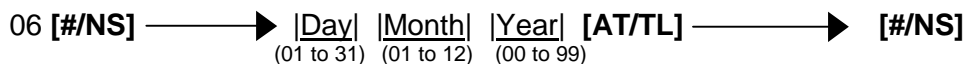
PRG                05

01-01                1315
           0019      13:15TM
    
```

4.9 Date Setting or Adjustment (Submode 6)

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**



NOTE: The date entry order may be Month-Day-Year or Year-Month-Day instead of Day-Month-Year by programmable option. For details, please contact your TOSHIBA TEC representative.

Example) To set date "January 24, 2002".

Key Operation: Control Lock: **SET**, Enter 06 and depress the [#NS] key.

[2] [4] [0] [1] [0] [2] [AT/TL]
 [#NS]

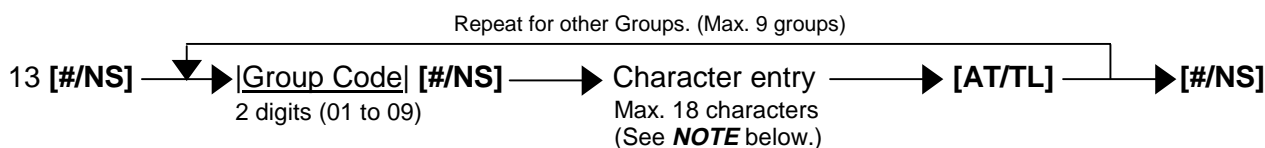
01-01-2002	#0000
PRG	06
01-01	240102
0020	13:33TM

4.10 Department Group Name Programming (Submode 13)

The Name of Department Group can be programmed here, which Department has already been linked to a Group in 4.6 Department Table Programming (Submode 3).

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**



NOTE: Entering 2 digits of numeric code provides an alphanumeric character of Department Group Name. Therefore, odd number of numeric digit entry will cause an error. When less than 36 digits of numeric data are entered, this ECR uses space code entry. If a Department Group Name includes spaces at the beginning, entering space code is required at the beginning of data entry. For the Department Group name, up to 18 regular-sized or 9 double-sized characters can be entered. Also a combination of both types can be entered.

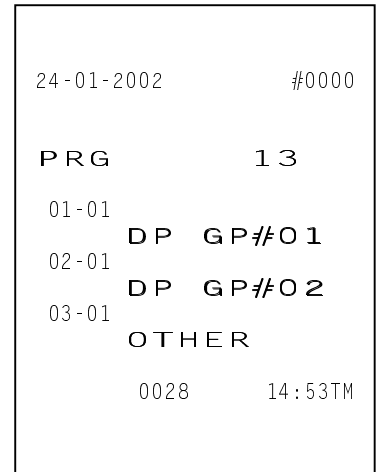
Example)

To program the following names to the respective Groups:

Group 1	D	P		G	P	#	0	1									
Group 2	D	P		G	P	#	0	2									
Group 3	O	T	H	E	R												

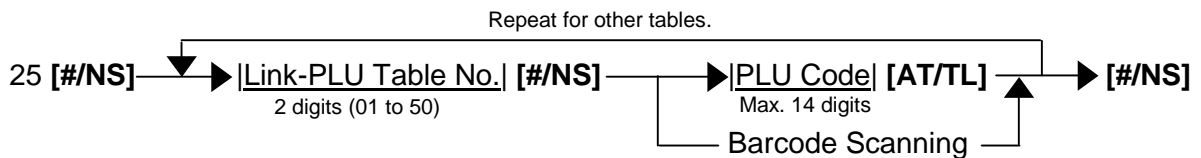
Key Operation: Control Lock: **SET**, Enter 13 and depress the **[/NS]** key.

[0] [1] [/#NS]	(Group 1)	[f] [f] [5] [4]	(T)
[f] [f] [4] [4]	(D)	[f] [f] [4] [8]	(H)
[f] [f] [5] [0]	(P)	[f] [f] [4] [5]	(E)
[f] [f] [2] [0]	(Space)	[f] [f] [5] [2]	(R)
[f] [f] [4] [7]	(G)	[AT/TL]	
[f] [f] [5] [0]	(P)	[/#NS]	(To complete this submode)
[f] [f] [2] [3]	(#)		
[f] [f] [3] [0]	(O)		
[f] [f] [3] [1]	(1)		
[AT/TL]			
[0] [2] [/#NS]	(Group 2)		
[f] [f] [4] [4]	(D)		
[f] [f] [5] [0]	(P)		
[f] [f] [2] [0]	(Space)		
[f] [f] [4] [7]	(G)		
[f] [f] [5] [0]	(P)		
[f] [f] [2] [3]	(#)		
[f] [f] [3] [0]	(O)		
[f] [f] [3] [2]	(2)		
[AT/TL]			
[0] [3] [/#NS]	(Group 3)		
[f] [f] [4] [f]	(O)		



4.11 Link-PLU Table Programming (Submode 25)

- CONDITION** Anytime outside a sale
- OPERATION** Control Lock: **SET**



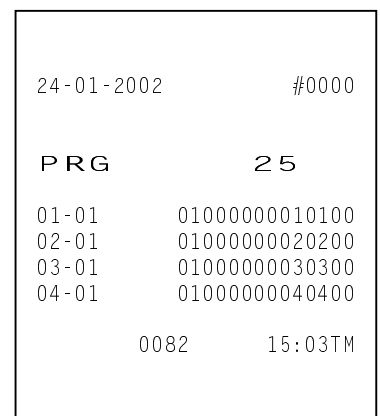
Example) To program the following Link-PLU Table data.

Link-PLU Table No.	01	02	03	04
Link-PLU Code	01000000010100	01000000020200	01000000030300	01000000040400

Key Operation: Control Lock: **SET**, Enter 25 and depress the **[/NS]** key.

```

01 [/#NS]
01000000010100 [AT/TL]
02 [/#NS]
01000000020200 [AT/TL]
03 [/#NS]
01000000030300 [AT/TL]
04 [/#NS]
01000000040400 [AT/TL]
[/NS] (To complete this submode)
    
```

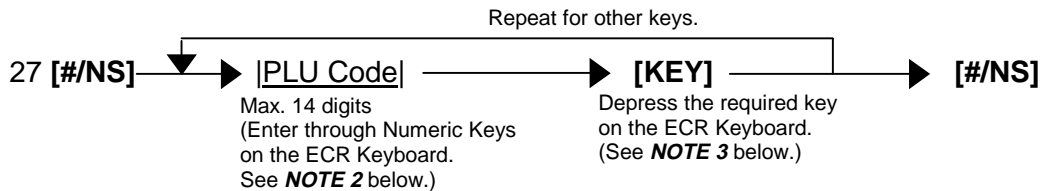


4.12 PLU Preset-Code Key Setting (Submode 27)

To program keys on the ECR Keyboard as PLU Preset-Code Keys, PLU code can be preset to these keys.

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**



- NOTES:**
1. If PLU code entry is skipped and a **[KEY]** is simply depressed in the above sequence, pre-programmed PLU code of the KEY is displayed.
 2. If "0" is entered as PLU code in the above sequence, the KEY is reset.
 3. The **[KEY]** in the above sequence should be set beforehand. For details, please contact your TOSHIBA TEC representative.

Example) To program the following PLU Codes to required KEYS on the ECR Keyboard.

Key Operation: Control Lock: **SET**
Enter 27, depress the **[#NS]** key.

01000000010101 **[required key] [#NS]**

0	1	2	#NS 3	RF	JF	4	5	6	7	8	9	10	11	12
13	14	15	C	X/TIME	18	19	20	21	22	23	24	25	26	27
28	29	30	7 31	8 32	9 33	34	35	36	37	38	39	40	41	42
43	44	45	4 46	5 47	6 48	49	50	51	52	53	54	55	56	57
58	59	60	1 61	2 62	3 63	64	65	66	67	68	69	70	71	72
73	74	75	0 76	00 77	· 78	ST 79	80	AT/TL 81	82	83	84	85	86	87

24-01-2002	#0000
PRG	27
056	01000000010101
0033	15:06TM

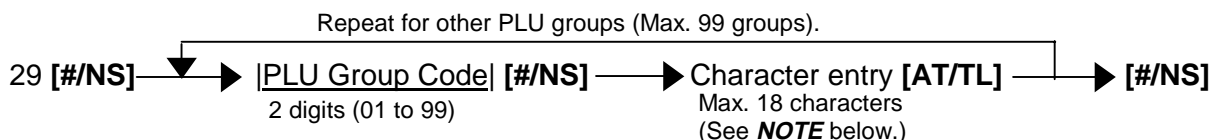
Map Code

4.13 PLU Group Programming (Submode 29)

The name of each PLU Group can be programmed here, of which PLU has already been linked to PLU Group in 4.7 PLU Table Programming (Submode 4).

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**



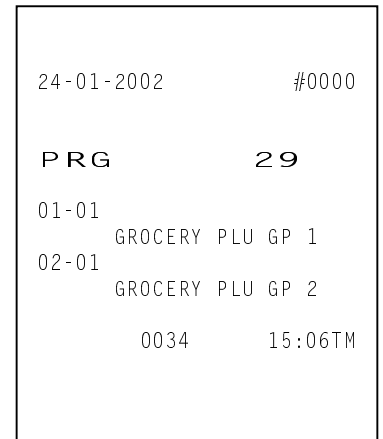
NOTE: Entering 2 digits of numeric code provides an alphanumeric character of PLU Group Name. Therefore, odd number of numeric digit entry will cause an error. When less than 36 digits of numeric data are entered, this ECR uses space code entry. If a PLU Group Name includes spaces at the beginning, entering space code is required at the beginning of data entry. For the PLU Group Name, up to 18 regular-sized or 9 double-sized characters can be entered. Also a combination of both types can be entered.

Example) To program the following names to respective Groups.

PLU Group 1	G	R	O	C	E	R	Y	P	L	U	G	P	1		
PLU Group 2	G	R	O	C	E	R	Y	P	L	U	G	P	2		

Key Operation: Control Lock: **SET**, Enter 29 and depress the **[/NS]** key.

- [0] [1] [#/NS] (PLU Group 1)
- [4] [7] (G)
- [5] [2] (R)
- [4] [f] (O)
- [4] [3] (C)
- [4] [5] (E)
- [5] [2] (R)
- [5] [9] (Y)
- [2] [0] (Space)
- [5] [0] (P)
- [4] [c] (L)
- [5] [5] (U)
- [2] [0] (Space)
- [4] [7] (G)
- [5] [0] (P)
- [2] [0] (Space)
- [3] [1] (1)
- [AT/TL]
- [0] [2] [#/NS] (PLU Group 2)
- [4] [7] (G)
- [5] [2] (R)
- [4] [f] (O)
- [4] [3] (C)
- [4] [5] (E)
- [5] [2] (R)
- [5] [9] (Y)
- [2] [0] (Space)
- [5] [0] (P)
- [4] [c] (L)
- [5] [5] (U)
- [2] [0] (Space)
- [4] [7] (G)
- [5] [0] (P)
- [2] [0] (Space)
- [3] [2] (2)
- [AT/TL]
- [#/NS] To complete this submode.



4.14 Advertisement Message Programming (Submode 31)

An advertisement message (max. 120 characters; 24 characters x 5 lines) to be printed on the footer portion of receipt can be programmed here.

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**



- NOTES:**
1. Entering 2 digits of numeric code provides an alphanumeric character of Advertisement Message. Therefore, odd number of numeric digit entry will cause an error. When less than 48 digits of numeric data are entered, this ECR uses space code entry. If an Advertisement Message includes spaces at the beginning, entering space code is required at the beginning of data entry. For the Advertisement Message, up to 24 regular-sized or 12 double-sized characters can be entered. Also a combination of both types can be entered.
 2. Advertisement Message programmed here is not printed on the journal at the item entry operation.

Example) To program the following Store Message and Advertisement Message

B	a	r	g	a	i	n	s	a	l	e	s	o	n	e	v	e	r	y					Line No. 1
T	u	e	s	d	a	y	.																Line No. 2
C	o	m	e	t	o	s	a	v	e	m	o	n	e	y	!								Line No. 3
																							Line No. 4
																							Line No. 5

Key Operation: Control Lock: **SET**, Enter 31 and depress the **[#/NS]** key.

[0] [1] [#/NS] (Line #1)
[4] [2] (B)
[6] [1] (a)
[7] [2] (r)
[6] [7] (g)
[6] [1] (a)
[6] [9] (i)
[6] [e] (n)
[2] [0] (Space)
[7] [3] (s)
[6] [1] (a)
[6] [c] (l)
[6] [5] (e)
[7] [3] (s)
[2] [0] (Space)
[6] [f] (o)
[6] [e] (n)
[2] [0] (Space)
[6] [5] (e)
[7] [6] (v)
[6] [5] (e)
[7] [2] (r)
[7] [9] (y)
[AT/TL] (To complete Line #1)

[0] [2] [#/NS] (Line #2)
[5] [4] (T)
[7] [5] (u)
[6] [5] (e)
[7] [3] (s)
[6] [4] (d)
[6] [1] (a)
[7] [9] (y)
[2] [e] (.)
[AT/TL] (To complete Line #2)

[0] [3] [#/NS] (Line #3)
[4] [3] (C)
[6] [f] (o)
[6] [d] (m)
[6] [5] (e)
[2] [0] (Space)
[7] [4] (t)
[6] [f] (o)
[2] [0] (Space)
[7] [3] (s)
[6] [1] (a)
[7] [6] (v)
[6] [5] (e)
[2] [0] (Space)
[6] [d] (m)
[6] [f] (o)
[6] [e] (n)
[6] [5] (e)
[7] [9] (y)
[2] [1] (!)
[AT/TL] (To complete Line #3)
[#/NS] (To complete this submode)

```

24-01-2002          #0000

PRG          31

01-01
Bargain sales on every
02-01
Tuesday.
03-01
Come to save money!

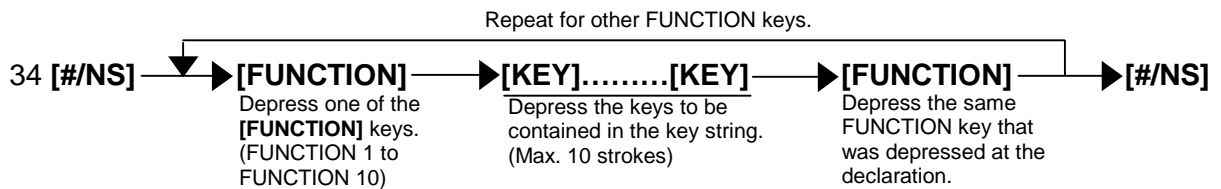
          0035          15:09TM

```

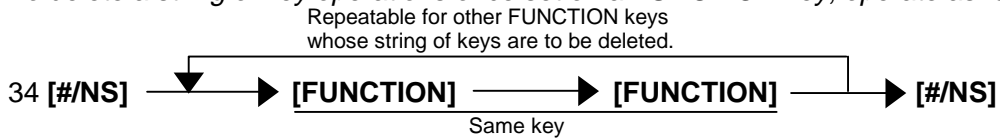
4.15 Function Key (Combination Key) Setting (Submode 34)

A string of key operations can be set on each FUNCTION key ([FUNCTION 1] to [FUNCTION 10]). Using such programmed [FUNCTION] keys, the operator can eliminate time in various routine operation procedures. (Up to 10 strokes of key operations can be set to each [FUNCTION] key.)

- CONDITION Anytime outside a sale
- OPERATION Control Lock: SET



NOTES: 1. To delete a string of key operations once set on a FUNCTION key, operate as follows.



- 2. Neither [C], [RF], [JF] nor [FUNCTION] keys can be set in a string of keys in the setting operation above.
- 3. The [FUNCTION] key should be set beforehand. For details, please contact your TOSHIBA TEC representative.

Example) To set the following key operation as [FUNCTION 1] key:
100 [DEPT 1] [ST] [AT/TL]

Key Operation: Control Lock: SET, Enter 34 and depress the [#NS] key.
[FUNCTION 1]
[1] [0] [0] [DEPT 1] [ST] [AT/TL]
[FUNCTION 1]
[#NS]

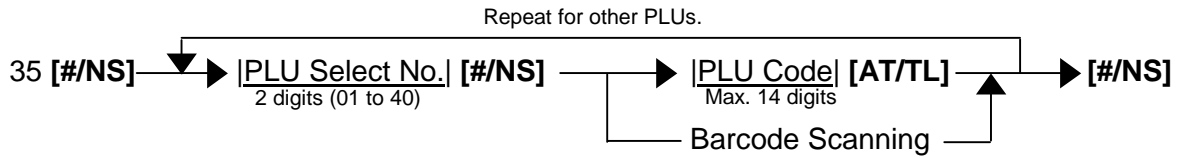
24-01-2002	#0000
PRG	34
FC01	1
	0
	0
	DP01
	FCA3
	TD01
0037	15:15TM

4.16 PLU Cashier Report Setting (Submode 35)

Up to 40 PLUs can be set to output to the Cashier Report.

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**



Example) To set the following PLUs to be output to the Cashier Report:

No.01: PLU Code 01000000010101

No.02: PLU Code 01000000010102

Key Operation: Control Lock: **SET**, Enter 35 and depress the **[#NS]** key.

```

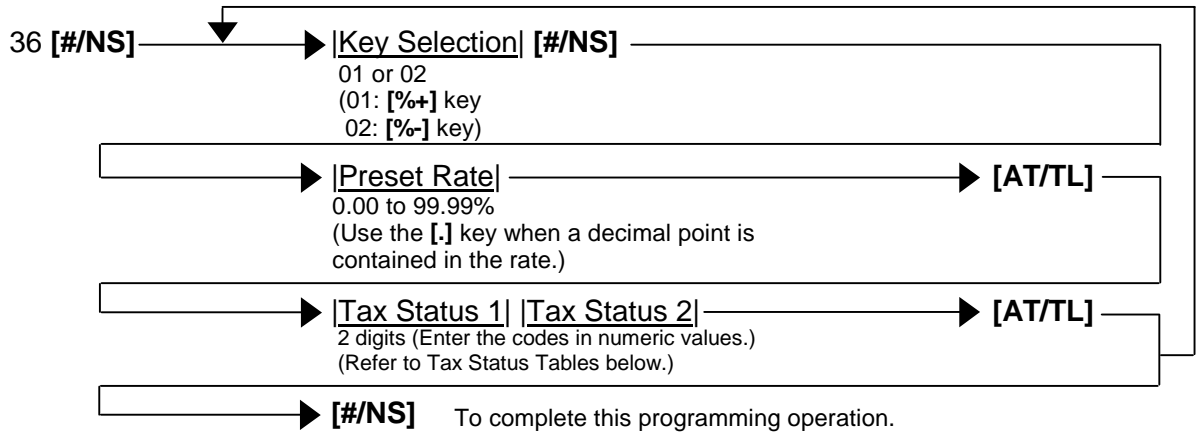
    01 [#NS]
    01000000010101 [AT/TL]
    02 [#NS]
    01000000010102 [AT/TL]
    [#NS]
  
```

24-01-2002	#0000
PRG	35
01-01	01000000010101
02-01	01000000010102
0038	15:17TM

4.17 %+ and %- Preset Rate Setting (Submode 36)

A Preset Rate can 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** Anytime outside a sale
- OPERATION** Control Lock: **SET**



Tax Status 1 Table █: Default

	0	1	2	3	4	5	6	7
Tax 1 taxable	█	0	0	0	0	0	0	0
Tax 2 taxable	█		0	0			0	0
Tax 3 taxable	█				0	0	0	0

Tax Status 2 Table

	0	1	2	3	4	5	6	7
Tax 4 taxable	█	0		0		0		0
Reserved	█							
Reserved	█							

Example) To program the following rate to each key.

- [%+] key**
Rate: 5.00%
Tax Status: Non-taxable
- [%-] key**
Rate: 10.00%
Tax Status: Non-taxable

Key Operation: Control Lock: **SET**, Enter 36 and depress the [#NS] key.

- [0] [1] [#NS] ([%+] key)
- [5] [.] [0] [0] [AT/TL] (Percent Charge Rate)
- [0] [0] [AT/TL] (Tax Status (Non-taxable))
- [0] [2] [#NS] ([%-] key)
- [1] [0] [.] [0] [0] [AT/TL] (Percent Discount Rate)
- [0] [0] [AT/TL] (Tax Status (Non-taxable))
- [#NS] (To complete this submode.)

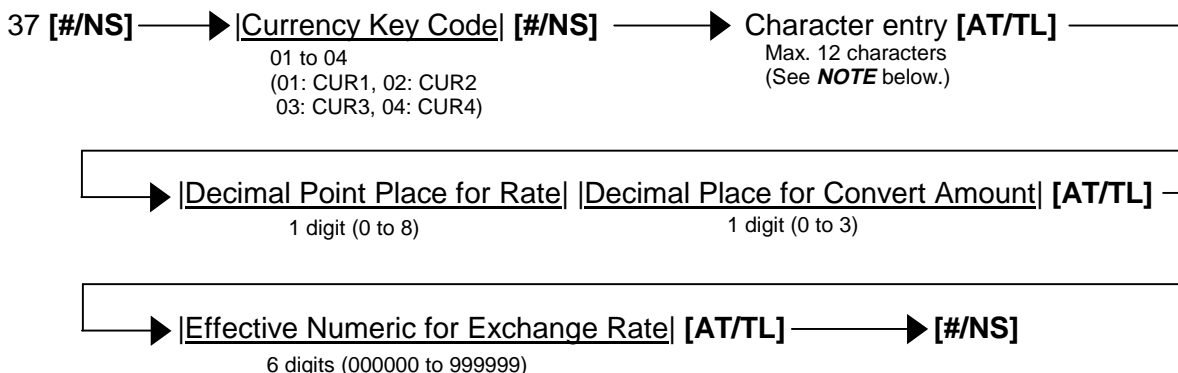
24-01-2002	#0000
PRG	36
01-01	5.00
-02	00
02-01	10.00
-02	00
0039	15:18TM

4.18 Foreign Currency Exchange Rate Setting (Submode 37)

The rate of each Foreign Currency (corresponding to the [CUR1] to [CUR4] keys) can be set here. 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 Anytime outside a sale

OPERATION Control Lock: **SET**



NOTE: Entering 2 digits of numeric code provides an alphanumeric character of Currency Name. Therefore, odd number of numeric digit entry will cause an error. When less than 24 digits of numeric data are entered, this ECR uses space code entry. If a Currency Name includes spaces at the beginning, entering space code is required at the beginning of data entry. For the Currency Name, up to 12 regular-sized or 6 double-sized characters can be entered. Also a combination of both types can be entered. When the Media Tender Key Name was programmed in 12 regular-sized characters, up to 11 characters of the Foreign Currency Name is printed, which was programmed in 12 characters.

Conditions given for Domestic and Foreign Currencies
(The rate here is simply an example.)

Domestic Currency is US dollar: 1.00 EURO = 0.8785 US\$

Key Operation: Control Lock: **SET**, Enter 37 and depress the [#NS] key.

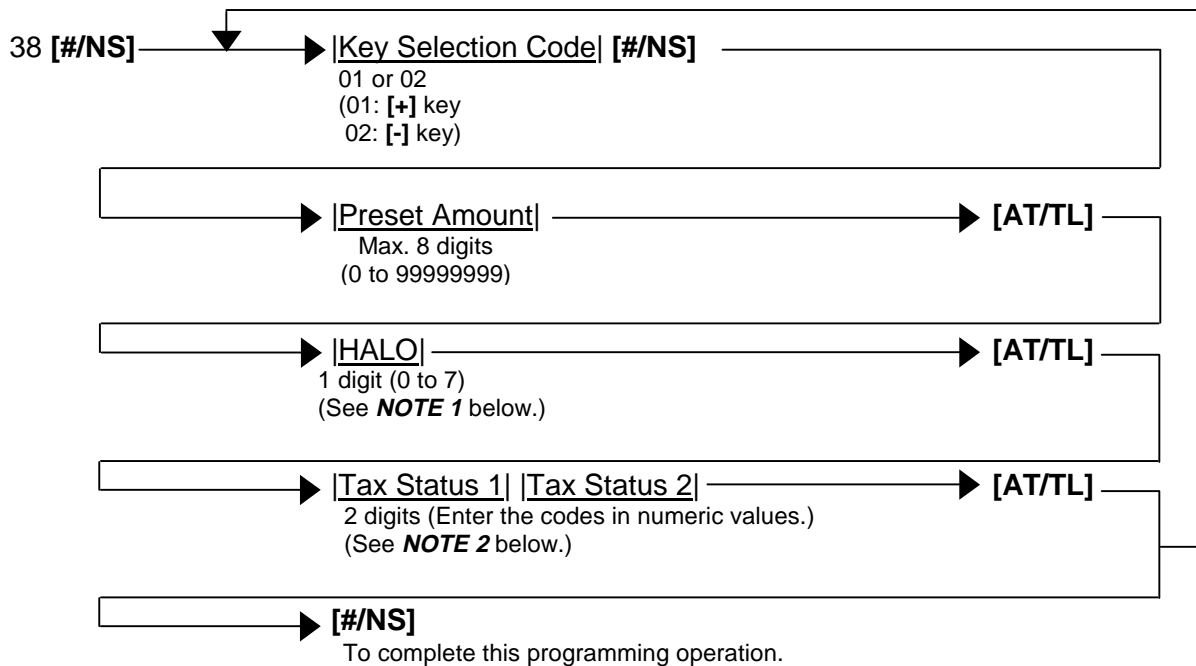
- [0] [2] [#NS] (CUR1)
- [5] [5] (U)
- [5] [3] (S)
- [4] [4] (D)
- [AT/TL] (to complete character entry)
- [4] (Decimal point place for Rate)
- [2] (Decimal point place for Convert Amount)
- [AT/TL]
- 8785 [AT/TL] (Rate)
- [#NS] (to complete this submode.)

24-01-2002	#0000
PRG	37
01-01	US\$
-02	42
-03	0.8785
0040	15:21TM

4.19 + (Amount Charge) and - (Amount Discount) Preset Setting (Submode 38)

A Preset Amount can be set on each of the **[+]** and **[-]** keys, one independent amount for each key. Once an amount is preset, these keys will simply be depressed without a prior amount entry to activate the preset amount. If an amount is entered prior to the depression of the key, the entered amount (manual amount) will be activated instead.

- CONDITION** Anytime outside a sale
- OPERATION** Control Lock: **SET**



NOTES: 1. HALO (High Amount to be Locked Out) digit

- 0: No limit
- 1: 1 digit (0 to 9)
- 2: 2 digits (0 to 99)
- 3: 3 digits (0 to 999)
- 4: 4 digits (0 to 9999)
- 5: 5 digits (0 to 99999)
- 6: 6 digits (0 to 999999)
- 7: 7 digits (0 to 9999999)

2. Tax Status 1 Table

: Default

	0	1	2	3	4	5	6	7
Tax 1 taxable		0		0		0		0
Tax 2 taxable			0	0			0	0
Tax 3 taxable					0	0	0	0

Tax Status 2 Table

	0	1	2	3	4	5	6	7
Tax 4 taxable		0		0		0		0
Reserved								
Reserved								

Example) To program the following amount to each key.

[+] key
 Preset Amount: 0.50
 HALO: 3 digits
 Tax Status: Non-taxable

[-] key
 Preset Amount: 1.00
 HALO: 4 digits
 Tax Status: Non-taxable

Key Operation: Control Lock: **SET**, Enter 38 and depress the **[/NS]** key.

- [0] [1] [/#NS]** ([+] key)
- [5] [0] [AT/TL]** (Preset Amount)
- [3] [AT/TL]** (HALO digit)
- [0] [0] [AT/TL]** (Tax Status (Non-taxable))

- [0] [2] [/#NS]** ([-] key)
- [1] [0] [0] [AT/TL]** (Preset Amount)
- [4] [AT/TL]** (HALO digit)
- [0] [0] [AT/TL]** (Tax Status (Non-taxable))
- [/NS]** (To complete this submode.)

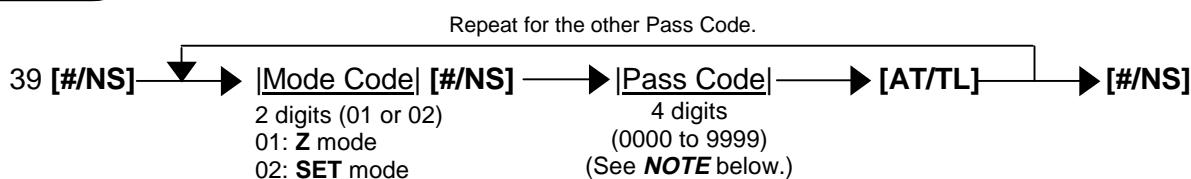
24-01-2002	#0000
PRG	38
01-01	0.50
-02	3
-03	00
02-01	1.00
-02	4
-03	00
0041	15:24TM

4.20 Manager Pass Code Programming (Submode 39)

Manager Pass Code in **Z** mode or **SET** mode can be programmed here, which restricts the access to **Z**, and **SET** modes only for a manager.

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**



NOTE: If you enter "0000", the ECR is released from Pass Code System.

Example) To program the following Manager Pass Codes.

Pass Code in **Z** mode: 0101
 Pass Code in **SET** mode: 0202

Key Operation: Control Lock: **SET**, Enter 39 and depress the **[/NS]** key.

- [0] [1] [/#NS]** (**Z** mode)
- [0] [1] [0] [1] [AT/TL]** (Pass Code)
- [0] [2] [/#NS]** (**SET** mode)
- [0] [2] [0] [2] [AT/TL]** (Pass Code)
- [/NS]** (To complete this submode.)

24-01-2002	#0000
PRG	39
01-01	0101
02-01	0202
0042	15:24TM

4.21 Register No. Setting (Submode 43)

4-digit numbers can be set as Register ID No. Once set, it will be printed on journal and every receipt.

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**



Example) To set 1234 as Register No.

Key Operation: Control Lock: **SET**, Enter 43 and depress the [#NS] key.

```

    [0] [1] [#NS]
    [1] [2] [3] [4] [AT/TL]
                [#NS] (To complete this submode.)
    
```

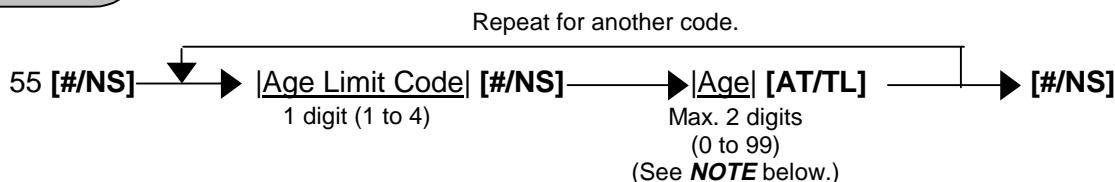
24-01-2002	#0000
PRG	43
01-01	1234
0046	15:37TM

4.22 Age Limit Setting (Submode 55)

An Age Limit to purchase items restricted by the programmed age can be set here.

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**



NOTE: For Age setting, the youngest age allowable to the item entry should be set.

Example) To set as follows:

- Age of 18 for Age Limit Code 1
- Age of 20 for Age Limit Code 2
- Age of 23 for Age Limit Code 3
- Age of 30 for Age Limit Code 4

Key Operation: Control Lock: **SET**, Enter 55 and depress the [#NS] key.

```

    [1] [#NS] (Age Limit Code 1)
    [1] [8] [AT/TL]
    [2] [#NS] (Age Limit Code 2)
    [2] [0] [AT/TL]
    [3] [#NS] (Age Limit Code 3)
    [2] [3] [AT/TL]
    [4] [#NS] (Age Limit Code 4)
    [3] [0] [AT/TL]
    [#NS] (To complete this submode.)
    
```

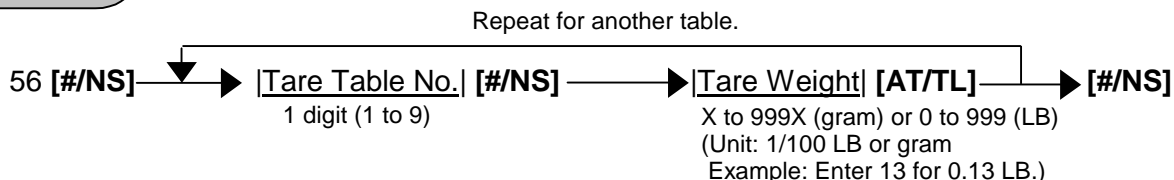
24-01-2002	#1234
PRG	53
01-01	18
02-01	20
03-01	23
04-01	30
0051	15:45TM

4.23 Tare Table Setting (Submode 56)

In 4.7 PLU Table Programming (Submode 4), some of Scale-compulsory PLUs may be set with a Tare Table Number. The actual Tare Weight is set to each Tare Table here.

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**



NOTE: In the lowest digit of the Tare Weight (gram), only the value "0" or "5" can be set.

Example) To set Tare Table No. 1 with Tare Weight 0.13 LB:

Key Operation: Control Lock: **SET**, Enter 56 and depress the [#NS] key.

- [1] [#NS] (Tare Table No. 1)
- [1] [3] [AT/TL] (Tare Weight)
- [#NS] (To complete this submode.)

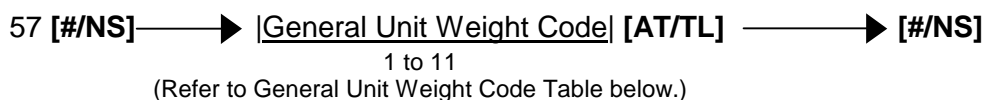
24-01-2002	#1234
PRG	56
01-01	13
0051	15:45TM

4.24 General Unit Weight Setting (Submode 57)

General Unit Weight can be set here so that the Unit Weight may be effective to scale items entered through departments or PLUs without any individual Unit Weight designation.

CONDITION Anytime outside a sale

OPERATION Control Lock: **SET**



General Unit Weight Code Table

Code	LB unit	Kg unit
1	1 LB	1 Kg
2	2 LB	2 Kg
3	3 LB	3 Kg
4	4 LB	4 Kg
5	5 LB	5 Kg
6	6 LB	6 Kg
7	7 LB	7 Kg
8	8 LB	8 Kg
9	9 LB	9 Kg
10	1/2 LB	100 g
11	1/4 LB	---

Example) To set General Unit Weight Code 2:

- Key Operation:
Control Lock: **SET**,
Enter 57 and depress the [#NS] key.
- [2] [AT/TL]
 - [#NS]

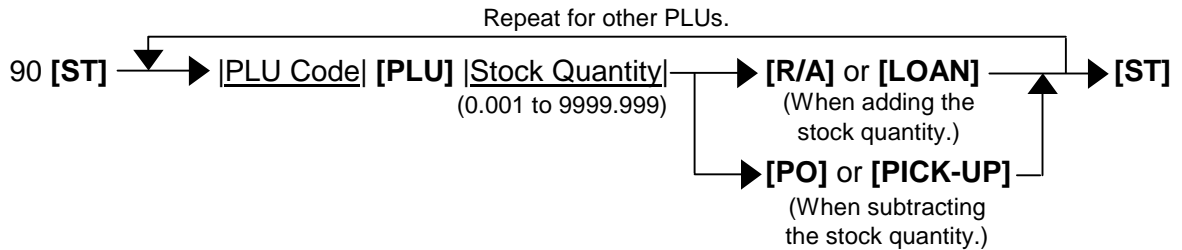
24-01-2002	#1234
PRG	57
01-01	02
0051	15:45TM

4.25 PLU Stock Loading or Changing (Submode 90)

This Submode loads or changes the stock quantities of PLUs.

CONDITION Anytime outside a sale

OPERATION Control Lock: **X** or **Z**



NOTE: *PLU programming should be done before this operation.*

Example) To change the stock quantity of the following PLU.

Key Operation: Control Lock: **X** or **Z**, Enter 90 and depress the **[ST]** key.

01000000010101	(PLU Code)
[PLU]	
20	(Stock Quantity)
[R/A] or [LOAN]	(When adding the stock quantity.)
[ST]	(To complete this submode.)

5. PROGRAMMED DATA VERIFICATION

Whenever programming operations are performed, it is recommended to issue Program Verification receipts to check the programmed data before entering any other operation. The print format of each program reading is almost the same as that of the program receipt.

- CONDITION** Anytime outside a sale
- OPERATION** Control Lock: **X** or **SET**

1) Programmed data read for each Submode

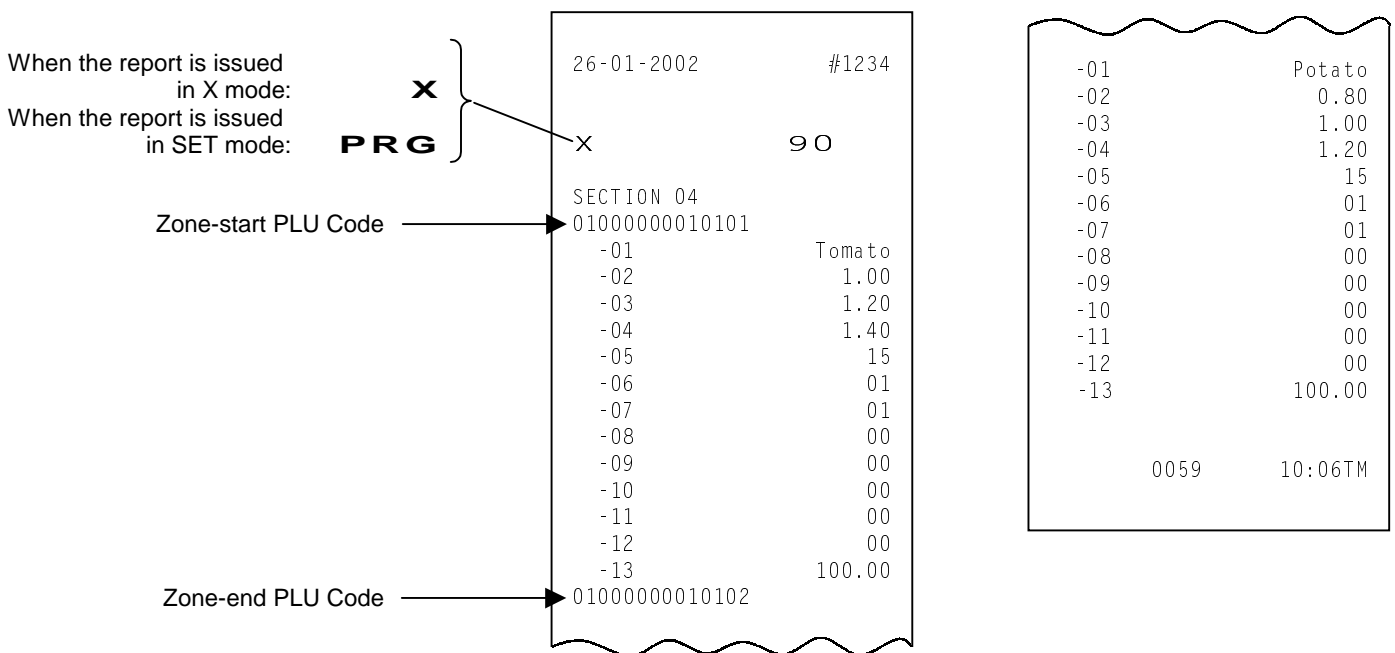
- **X mode**
 90 [AT/TL] → 01 [#NS] → |Submode No. [AT/TL]| → [#NS]
2 digits (01 to 59)
- **SET mode**
 90 [#NS] → 01 [#NS] → |Submode No. [AT/TL]| → [#NS]
2 digits (01 to 59)

NOTES: 1. Printing will be cancelled by depressing the **[C]** key during report print.
 2. The pass code assigned to individual cashier is printed not in **X** mode but in **SET** mode.

2) Zone PLU Read

- **X mode**
 90 [AT/TL] → 02 [#NS] → |Zone-start PLU Code [X/TIME]| → |Zone-end PLU Code [AT/TL] [#NS]|
14 digits 14 digits
- **SET mode**
 90 [#NS] → 02 [#NS] → |Zone-start PLU Code [X/TIME]| → |Zone-end PLU Code [AT/TL] [#NS]|
14 digits 14 digits

NOTES: 1. Printing will be cancelled by depressing the **[C]** key during report print.
 2. The Zone-end PLU Code must be bigger than the Zone-start PLU Code. Failure to do this may cause an error.



3) Individual PLU Group Read

- X mode

90 [AT/TL] → 03 [#NS] → |PLU Group Code| [AT/TL] [#NS]
 2 digits (01 to 99)

- SET mode

90 [#NS] → 03 [#NS] → |PLU Group Code| [AT/TL] [#NS]
 2 digits (01 to 99)

NOTE: Printing will be cancelled by depressing the [C] key during report print.

When the report is issued
in X mode:

When the report is issued
in SET mode:

X

PRG

26-01-2002	#1234	
X	90	
SECTION 04		
01000000010101		
-01	Tomato	
-02	1.00	
-03	1.20	
-04	1.40	
-05	15	
-06	01	
-07	01	
-08	00	
-09	00	
-10	00	
-11	00	
-12	00	
-13	100.00	
01000000010102		
-01	Potato	
-02	0.80	
-03	1.00	
-04	1.20	
-05	15	
-06	01	
-07	01	
-08	00	
-09	00	
-10	00	
-11	00	
-12	00	
-13	100.00	
01000000020101		
-01	Orange	
-02	0.75	
-03	1.00	
-04	1.25	
-05	15	
-06	01	
-07	02	
-08	00	
-09	00	
-10	00	
-11	00	
-12	00	
-13	200.00	

01000000020102	
-01	Lemon
-02	1.00
-03	1.20
-04	1.40
-05	15
-06	01
-07	02
-08	00
-09	00
-10	00
-11	00
-12	00
-13	200.00
01000000020105	
-01	Apple
-02	0.90
-03	1.20
-04	1.50
-05	15
-06	01
-07	02
-08	00
-09	00
-10	00
-11	00
-12	00
-13	200.00
0060	10:15TM

4) Zone Department Read

- X mode

90 [AT/TL] → 04 [#NS] → |Zone-start Department Code| [X/TIME]
 → |Zone-end Department Code| [AT/TL] [#NS]

- SET mode

90 [#NS] → 04 [#NS] → |Zone-start Department Code| [X/TIME]
 → |Zone-end Department Code| [AT/TL] [#NS]

NOTE: Printing will be cancelled by depressing the [C] key during report print.

When the report is issued
in X mode:

When the report is issued
in SET mode:

X

PRG

```

26-01-2002      #1234
X                90
SECTION 03
01-01          VEGETABLE
-02            0.00
-03            15
-04            01
-05            00
-06            00
-07            00
02-01          FRUIT
-02            0.00
-03            15
-04            01
-05            00
-06            00
-07            00
03-01          MEAT
-02            0.00
-03            15
-04            01
-05            00
-06            00
-07            00
04-01          FISH
-02            0.00
-03            15
-04            01
-05            00
-06            00
-07            00
05-01          DAIRY
-02            0.00
-03            15
-04            01
-05            00
-06            00
-07            00

0061          10:27TM
                
```

← Zone-start Department
(Department code: 01)

← Zone-end Department
(Department code: 05)

5) Simple PLU Read

In this operation, the following 5 items (PLU Code, PLU Name, Unit Price 1, Unit Price 2, and Unit Price 3) extracted from the PLU read report will be printed out.

- X mode

90 [AT/TL] → 05 [#NS] → [AT/TL] [#NS]

- SET mode

90 [#NS] → 05 [#NS] → [AT/TL] [#NS]

NOTE: Printing will be cancelled by depressing the [C] key during report print.

When the report is issued
in X mode:
When the report is issued
in SET mode:

X
PRG

```

26-01-2002          #1234
                    X          90
SECTION 04
01000000010101
-01                Tomato
-02                1.00
-03                1.20
-04                1.40
01000000010102
-01                Potato
-02                0.80
-03                1.00
-04                1.20
01000000020101
-01                Orange
-02                0.75
-03                1.00
-04                1.25
01000000020102
-01                Lemon
-02                1.00
-03                1.20
-04                1.40
01000000020105
-01                Apple
-02                0.90
-03                1.20
-04                1.50
01000000030301
-01                Beef
-02                2.50
-03                1.50
-04                2.50
01000000030302
-01                Pork
-02                2.00
-03                1.50
-04                2.50
01000000030303
-01                Mutton
-02                1.80
-03                2.00
-04                1.50
    
```

```

01000000040201
-01                Salmon
-02                0.75
-03                1.00
-04                1.25
01000000040202
-01                Cod
-02                0.40
-03                0.60
-04                0.80
01000000040203
-01                Shrimp
-02                0.60
-03                0.50
-04                0.70
01000000050301
-01                Milk-Large Pack
-02                1.30
-03                0.00
-04                0.00
01000000050302
-01                Milk-Small Pack
-02                0.40
-03                0.00
-04                0.00
                    0060          10:15TM
    
```




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