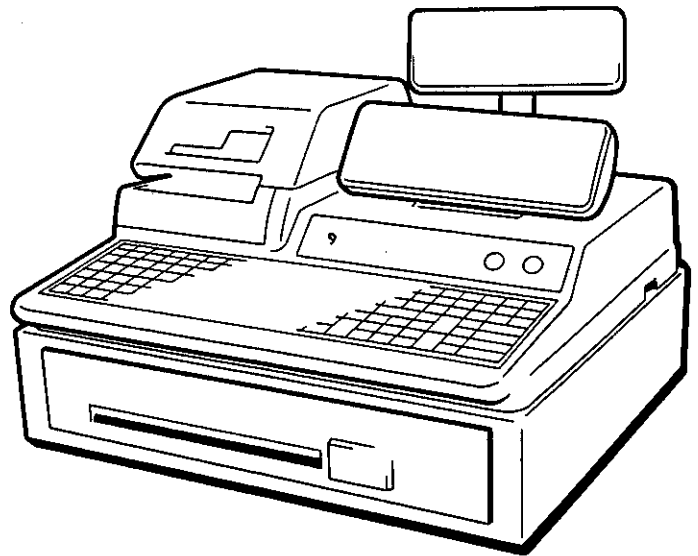


**TEC**

TEC Electronic Cash Register

**FDS-30**

**Owner's Manual**



**TOKYO ELECTRIC CO., LTD.**

**WARNING**

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

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1-14-10 Uchikanda, Chiyoda-ku, Tokyo, JAPAN

# OPERATOR'S GUIDE



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# 1. TO OUR CUSTOMERS

Thank you for choosing the TEC electronic cash register FDS-30 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 transit, or there are any unclear points in this manual, please contact your local TEC representative.

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

## 2. PRECAUTIONS

The ECR is a precision machine. Please handle it carefully considering the following guidelines.

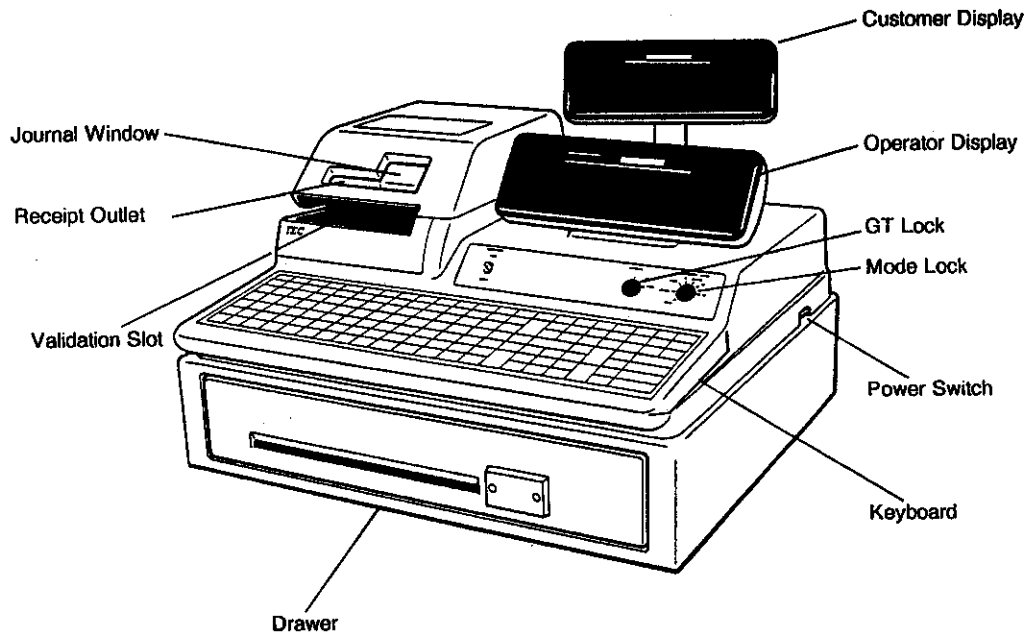
### REMARKS ON THE LOCATION

- Place it where no unusual temperature changes are expected.
- Place it on a flat and level surface with little dust, humidity, vibration, etc.
- Keep it away from water sources.
- Do not use it in direct sunlight for a long time.
- Ensure proper ventilation so that the machine is not exposed to excessive heat.
- Be certain to connect a grounding wire to prevent the generation of static electricity and noise troubles. Never share the same power outlet with many other electric appliances.

### REMARKS ON OPERATING THE ECR

- The keys on the keyboard function with a light touch. Avoid pressing the keys too hard.
- Do not handle the machine with wet hands, since this may cause electrical malfunctions and corrosion of parts.
- Do not apply thinner, benzine, or other volatile materials to the cabinet or other plastic parts. Such liquids will cause discoloration or deterioration of the cover. If dirty, wipe off with a piece of cloth soaked in a neutral detergent and wrung out thoroughly.
- Turn off the power switch when the operations are over for the day.
- Ask your TEC representative to provide periodical maintenance to ensure the optimum performance of the machine.
- As for other operations, follow the instructions in this manual.

### 3. APPEARANCE AND NOMENCLATURE

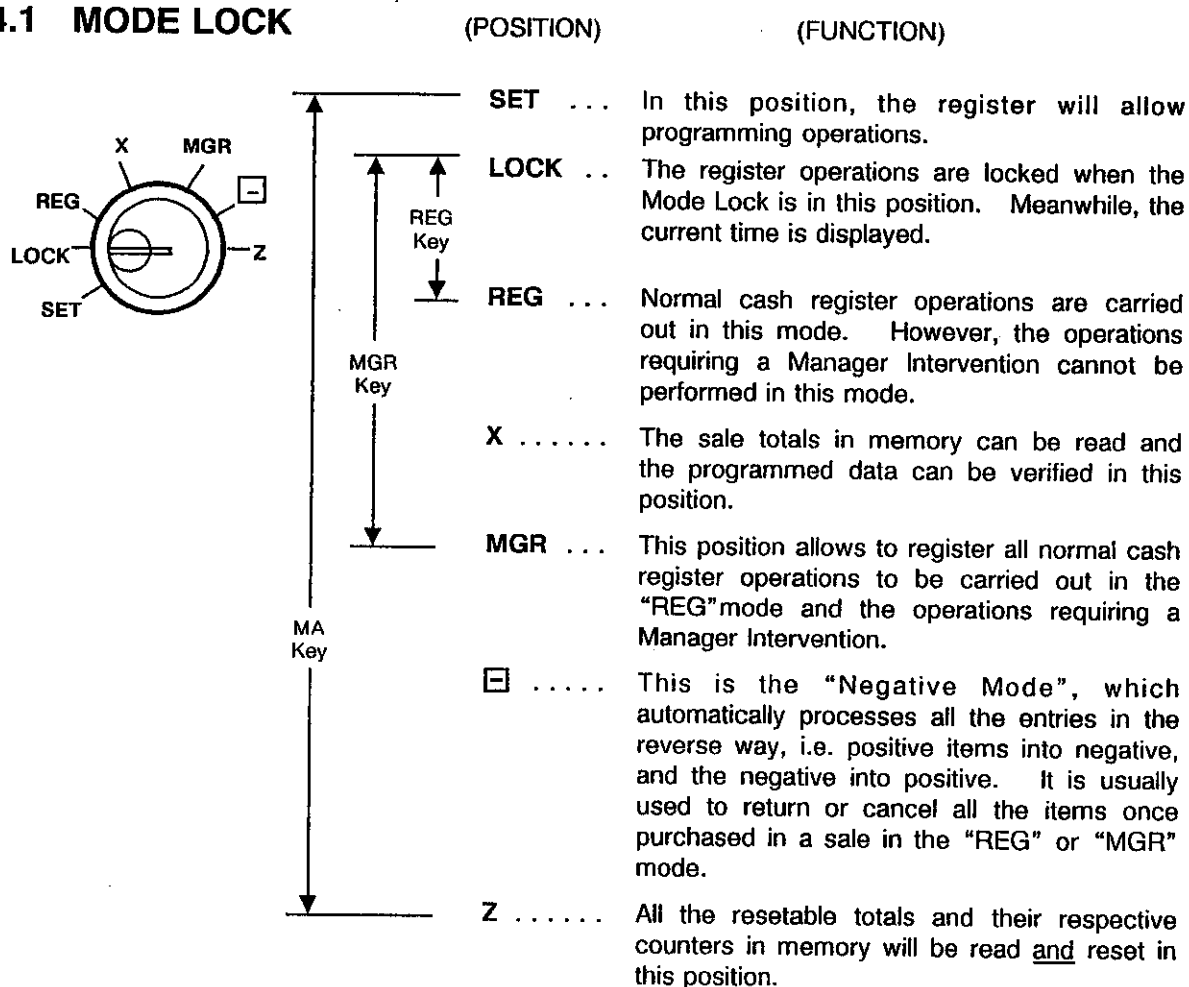


- Power Switch** . . . . The power switch is provided at the right-hand side of the cabinet. The AC power is turned on when the switch is pushed to ON, and turned off when the switch is pushed to OFF.

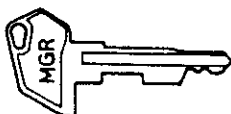


## 4. CONTROL LOCKS AND MODE SELECTOR KEYS

### 4.1 MODE LOCK



**REG Key:** The REG Key is used by the cashier or clerk who operates the register. This key can access the positions of **LOCK** and **REG**.



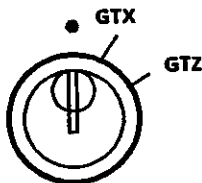
**MGR Key:** The MGR Key is used by the store manager or a person authorized by the manager. This key can access the positions of **LOCK**, **REG**, **X**, and **MGR**.



**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. It is also used by the programmer. This key can access the positions of **SET**, **LOCK**, **REG**, **X**, **MGR**, **☐**, and **Z**.

The keys may be inserted or pulled out at the "LOCK" or "REG" position.

## 4.2 GT LOCK



This lock is provided to read or reset the accumulated sales totals not on the daily but on weekly or monthly basis. This lock will not be used for any other purpose than report takings.

**GTX Position** may be accessed by the **GTX Key** or **GTZ Key**.

**GTZ Position** may be accessed by the **GTZ Key** only.

(Further instructions as to the GT Lock are in the **MANAGER'S GUIDE**).

**NOTE :** Please set the GT lock to the neutral position (marked with ".") with the GTX or GTZ key removed when reports are not being taken.

## 4.3 RECEIPT ON/OFF SWITCH

RECEIPT

ON



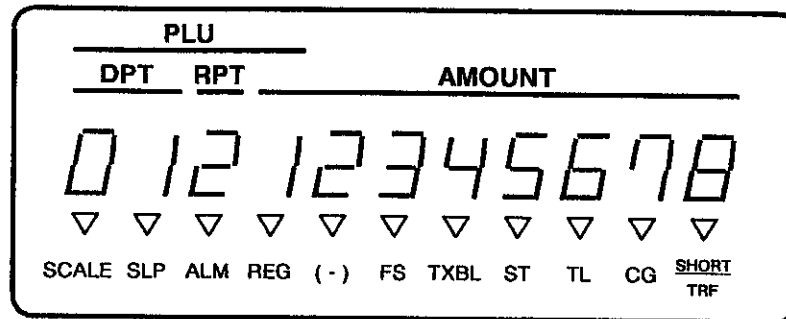
OFF

This switch has two positions available -- 'OFF' position and 'ON' position. When in the 'OFF' position, no receipt is issued from the register and sales are printed on the journal roll only. When the switch is set to the 'ON' position, sales are printed on both receipt roll and journal roll, then a receipt is issued which is automatically cut off and given to the customer.

## 5. DISPLAY

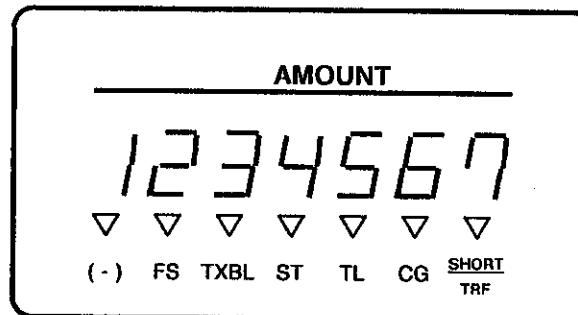
A tilt type is adopted for the operator display, which is adjustable in the up and down direction. The entered amounts and the obtained total are easy to see.

**OPERATOR DISPLAY (Front Display)**



The customer display can be fixed as a rear display or moved to form a remote display. It can be moved up, down, to the right, and to the left, and thus is fully adjustable according to the position of the customer.

**CUSTOMER DISPLAY (Rear or Remote Display)**



**NUMERIC DISPLAY**

- AMOUNT (8 digits) :** Displays the numeric data, such as amount, quantity, etc.
- DPT (2 digits) :** Displays the code which represents each Department key. It stays lit when repeating the same department entry.
- RPT (1 digit) :** Displays the repeat count of the same item. The count is indicated from the second entry on, and only the last digit will be displayed even if the count exceeds nine.
- PLU (4 digits; the DPT, RPT and AMOUNT digits are commonly used for this purpose.):**  
Displays the PLU code when any PLU is entered. It goes out when repeating the same PLU entry.

**MESSAGE DESCRIPTORS (TRIANGULAR INDICATORS)**

- SCALE:** Lights up when Scale Entry has been executed.
- SLP :** Lights up when a slip has been properly inserted to allow validation. It flickers to require a validation when validation compulsory status has been programmed on the last operation.
- ALM :** Lights up with the alarm buzzer to indicate that the last operation or numeric entry was an error. To clear the error condition, depress the [C] key.
- REG :** Lights up when a sale item has been entered.
- ( - ) :** Lights up when a negative amount such as [RTN MDSE], [ITEM CORR], [DOLL DISC], or [ %- ] key has been operated. It also lights up when the [ST], [TXBL TL] or one of the total keys has been depressed and the displayed amount is negative. It lights up also when an amount is entered in the "  " mode.
- FS :** Light up when a department or PLU item with a food stampable status is entered.
- TXBL :** Lights up when a taxable item has been entered.
- ST :** Lights up when the subtotal amount is displayed after the [ST] key has been depressed.
- TL :** Lights up on a finalizing operation with the total amount displayed when a sale is finalized without any amount tendered.
- CG :** When an amount tendering operation has been performed, this lamp lights up with the change due displayed.
- SHORT** : Lights up when the amount tendered is less than the sale total with the shortage amount displayed.  
**TRF** : Lights up also when all the sale balance are transferred to the new sale balance for charge posting.

## 6. CASHIER-IDENTIFYING OPERATION

The FDS-30 adopts the following cashier-identifying operations.

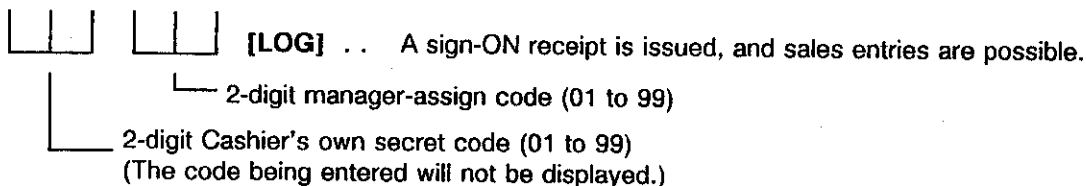
- SIGNING METHOD, using the [LOG] key (standard)
- CASHIER KEY METHOD, using cashier keys (option)

No registering operations cannot be executed without cashier-identifying operation.

### 6.1 SIGNING METHOD (Cashier Sign-ON/OFF)

#### OPERATION

- Sign-ON . . . . . Allowed when a register is in the sign-OFF condition.



- Sign-OFF . . . . . Allowed when a register is in the sign-ON condition.
- 0[LOG] . . . . . A sign-OFF receipt is issued, and no sales entries will be accepted until a cashier signs ON.

- NOTES :**
1. The entered 2-digit code after reset the daily cashier report will be programmed as the cashier's own secret code.
  2. A cashier's own secret code is cleared when a daily cashier report is reset.

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

09-21-90   #111101

*SIGN ON *

JONES   0138 10:00TM
    
```

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

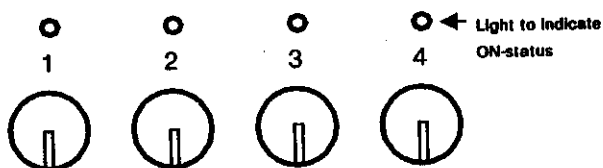
09-21-90   #111101

*SIGN OFF *

JONES   0139 10:00TM
    
```

## 6.2 CASHIER KEY METHOD (Push-stay Cashier Keys)

### Push-stay Cashier Keys



Cashier keys 1 to 4

Cashier Locks 1 to 4

Each key is assigned to each cashier. The register will not operate in the "REG", "MGR", or "□" mode unless one of these keys is inserted and pushed on or pushed-and-locked at the corresponding Cashier Lock. The light is lit when the key is in the ON-status.

Each of the keys may be inserted and pulled out in the neutral position marked with "1" to "4" in the above figure, and two ways are provided to set the Cashier Key to ON status:

#### PUSH-ON

When simply pushed on and released, the Cashier Key is set to ON status. This ON condition will be cleared by any of the following operations:

- 1) when no key-in operations follow in three seconds.
- 2) when the transaction is finalized.
- 3) when another Cashier Key is pushed-on when outside a sale.
- 4) when the Mode Lock is turned to another position.

#### PUSH-AND LOCK

When pushed and turned to the right, the ON status is locked until it is turned back to release and another Cashier Key is set to ON.

When another Cashier Key is attempted to push-and-lock, the register will entirely be locked.

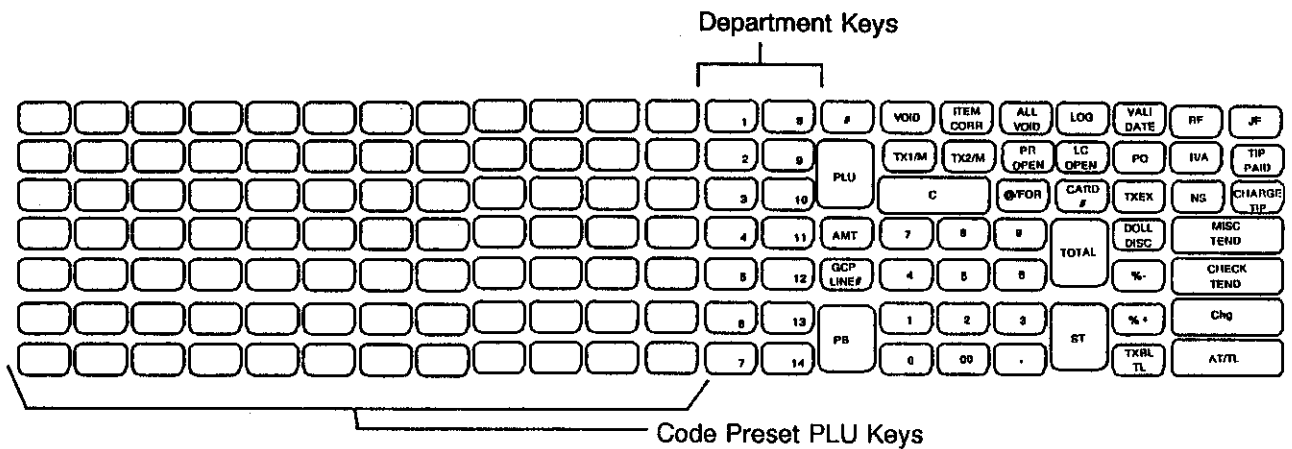
If a Cashier Key has already been set to ON and a sale is under way, another Cashier Key will be disregarded of attempted to ON.

**NOTE :** *To select the multi-drawer feature, the cashier key method must be adopted instead of the signing method.*

## 7. KEYBOARD LAYOUT

The following are typical keyboard layout for the FDS-30 series. Since this series is designed to be capable of programming most of the keys to be placed in the desired place on the keyboard, this is merely an example. The keyboard of your register should have its own layout according to the store's requirements.

--- Standard Keyboard Layout ---



Other keys not placed in the keyboard above :

Additional Department Keys (15 to 60)

[000]  
[RPT]  
[OPEN]  
[TAX]  
[TX 3/M]  
[VND CPN]  
[STR CPN]  
[RTN MDSE]

[CPN]  
[CUR1] to [CUR4]  
[RECEIPT ISSUE]  
[PB-]  
[BTL RTN]  
[FS/M]  
[FSTL TEND]

[SI1/M], [SI2/M]  
[SI1/TL], [SI2/TL]  
[SCALE]  
[TARE]  
[STOCK]  
[CHECK NO.]  
[SHIFT]  
[CREDIT1], [CREDIT2]  
[SALES PERSON]  
[TRAY TOTAL]

## 8. FUNCTIONS OF EACH KEY

This section briefly describes functions of each key for your quick reference purposes. See the reference pages in Section 9 : REGISTERING OPERATIONS for detail operation sequences.

TABLE OF KEY FUNCTIONS












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><b>Numeric keys</b> . Used to enter numeric values. Depressing the [00] key once is the same as depressing the [0] key twice consecutively. Depressing the [000] key once is the same as depressing the [0] key three times consecutively. [ . ] key is used to designate the decimal point of a percentage rate or a quantity.</p>	—
7	8	9												
4	5	6												
1	2	3												
0	00	.												
<table border="1"> <tr><td>RF</td></tr> </table>	RF	<p><b>Receipt Feed Key</b>. Used to advance the receipt roll and operated by holding it down until the paper has advanced to the required position.</p>	—											
RF														
<table border="1"> <tr><td>JF</td></tr> </table>	JF	<p><b>Journal Feed Key</b>. Used to advance the journal roll in the same fashion as the [RF] key is used to receipt roll.</p>	—											
JF														
<table border="1"> <tr><td>RECEIPT ISSUE</td></tr> </table>	RECEIPT ISSUE	<p><b>Receipt Post-Issue key</b>. Used to issue the receipt of a sale when the sale has already finalized with the [RECEIPT ON/OFF] Switch positioned to OFF.</p>	41											
RECEIPT ISSUE														
<table border="1"> <tr><td>1</td><td>to</td><td>60</td></tr> </table>	1	to	60	<p><b>Department keys</b>. Used to enter each item, serving for classifying merchandise by department.</p>	17, 18, 20~22									
1	to	60												
<table border="1"> <tr><td>PLU</td></tr> </table>	PLU	<p><b>PLU (Price-Look-Up) key</b>. Used to enter a PLU that is linked to a department.</p>	18~22											
PLU														
<table border="1"> <tr><td>AMT</td></tr> </table>	AMT	<p><b>Amount key</b>. Used to enter a manual amount of PLU item.</p>	18~22											
AMT														
<table border="1"> <tr><td>NS</td></tr> </table>	NS	<p><b>No-sale key</b>. Used to open the cash drawer without relating to a sale.</p>	16, 37											
NS														
<table border="1"> <tr><td>#</td><td>#/CID</td></tr> </table>	#	#/CID	<p><b>Non-add Number Print key</b>. Used to print a non-add numbers for future references.</p>	27										
#	#/CID													



KEY	FUNCTIONS	REFERENCE PAGE
<b>% +</b>	<b>Percent Charge (Service Charge) key.</b> Used to add a percent rate to a sale or service charge.	25
<b>%-</b>	<b>Percent Discount key.</b> Used to subtract a percent rate from a sale.	25
<b>DOLL DISC</b>	<b>Dollar Discount key.</b> Used to subtract an amount from the sale.	26
<b>@/FOR</b>	<b>At/For key.</b> Used to multiply a department or a PLU item entry by a quantity. Also used to auto-calculate and enter a split package price.	20, 21
<b>C</b>	<b>Clear key.</b> Used to clear numeric entries or a declaration key entry.	—
<b>PR OPEN</b>	<b>Preset Open key.</b> Used to release a preset-price department or PLU items for a manual price entry.	17~20
<b>LC OPEN</b>	<b>Listing Capacity Open key.</b> Used to release the listing capacity preprogrammed on each department or PLU.	27
<b>OPEN</b>	<b>Preset and Listing Capacity Open key.</b> This is a dual-function key that has both [PR OPEN] and [LC OPEN] functions.	17~20, 27
<b>VND CPN</b>	<b>Vendor Coupon key.</b> Used to enter the amount of vendor coupons received from the customer.	28
<b>STR CPN</b>	<b>Store Coupon key.</b> Used to subtract a store coupon amount redeemed through a department.	28
<b>RTN MDSE</b>	<b>Returned Merchandise key.</b> Used to refund money to a customer who has returned items already purchased.	25
<b>ITEM CORR</b>	<b>Item Correct key.</b> Used to delete the last item entered within the current transaction.	26

KEY	FUNCTIONS	REFERENCE PAGE
VOID	<b>Void key.</b> Used to delete an item entered previously (before the last item) in the current transaction.	29
ALL VOID	<b>All Void key.</b> Used to delete all items entered in the current transaction.	29
R/A	<b>Received-on-Account key.</b> Used to enter payments received on account, i.e. not relating to a sale.	39
PO	<b>Paid-Out key.</b> Used to record amounts paid out of the cash drawer not relating to a sale.	39
ST	<b>Subtotal key.</b> Used to obtain subtotal of the current transaction.	25, 31
TXBL TL	<b>Taxable Total key.</b> Used to obtain taxable total (subtotal + taxes) of the current transaction.	31, 35
AT/TL	<b>Cash Amount Tendered/Cash Total key.</b> Used to record all cash paid transactions, and will be able to finalize a sale operation.	34, 36
CHECK TEND	<b>Check Tendered key.</b> Used to cash a check or to finalize the transaction as a check payment.	34~36
Chg	<b>Charge Total key.</b> Used to finalize the transaction for charge sale.	34, 35, 43
CPN	<b>Media-Coupon key.</b> Used to finalize the transaction for media coupons.	34, 35
MISC TEND	<b>Miscellaneous Media key.</b> Used to finalize the transaction for other media.	34, 35
FSTL TEND	<b>Food Stamp Total Read/Tender key.</b> Used to display the food-stampable total (maximum amount the customer may pay). Also used to enter the food stamp amount tendered by the customer.	32

KEY	FUNCTIONS	REFERENCE PAGE
<div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">VALI DATE</div>	<b>Validation key.</b> Used to print a required item or finalizing a required sale on a validation slip.	40
<div style="display: inline-block; margin-right: 10px; border: 1px solid black; padding: 2px; text-align: center;">PB</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">PB-</div>	<b>Previous Balance keys.</b> Used to enter a previous balance in a charge posting operation. Also used to enter an order or additional order.	23, 24
<div style="display: inline-block; margin-right: 10px; border: 1px solid black; padding: 2px; text-align: center;">TX1/M</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">TX2/M</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">TX3/M</div>	<b>Tax Modifier key(s).</b> Used to reverse the taxable/non-taxable status on departments, PLUs, or other tax-status programmable keys.	27, 33
<div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">FS/M</div>	<b>Food Stamp Modifier key.</b> Used to reverse the food stampable/non-stampable status of a department, PLU, or other food stamp status programmable keys.	27
<div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">TXEX</div>	<b>Tax Exempt key.</b> Used to declare the exemption of the taxes from the sale.	33
<div style="display: inline-block; margin-right: 10px; border: 1px solid black; padding: 2px; text-align: center;">CUR 1</div> <div style="font-size: small; vertical-align: middle;">to</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">CUR 4</div>	<b>Foreign Currency keys.</b> Used in tendering or exchange with foreign currencies.	36, 37
<div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">TAX</div>	<b>Manual Tax key.</b> Used to enter an irregular tax amount that cannot be calculated on the basis of the programmed tax table, and to add it to the sale total.	31
<div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">LOG</div>	<b>Log key.</b> Used for signing-ON and signing-OFF to identify which cashier is operating the register.	7
<div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">SALES PERSON</div>	<b>Salesperson key.</b> Used for entering an individual code of each salesperson to obtain his or her individual sales data.	47
<div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">STOCK</div>	<b>Stock Read Key.</b> Used to read the remaining stock quantity of the designated PLU from the memory.	MG 44, 53
<div style="border: 1px solid black; padding: 2px; display: inline-block; text-align: center;">CARD #</div>	<b>Card No. key.</b> Used to enter the code number (1 to 12) which classifies the credit card company, followed by the sale finalization with the [Chg] key.	43

KEY	FUNCTIONS	REFERENCE PAGE
	<b>Repeat key.</b> Used to repeat a department or PLU item entry. This key enables to repeat entries not only for normal department or PLU items but also items modified with [PR OPEN].	19
	<b>Bottle Return key.</b> Used to enter a bottle return amount. The amount entered through this key will be negative.	42
	<b>Scale key.</b> Used to enter various scaled items.	44~46
	<b>Tare No. key.</b> Used to enter the preset tare weight data prior to a scaled item entry.	45
	<b>Check No. and Endorsement Print key.</b> Used to print the endorsement data with or without a check No. print after finalizing a sale with a non-cash media key.	48
	<b>Credit key.</b> Used as the additional non-cash media key according to the requirements of each store. This key has exactly the same functions and programmabilities as other media keys.	34, 35
	<b>Selective Itemizer Total key.</b> Used to display (and print) the selective itemizer contents.	43
	<b>Selective Itemizer Modifier key.</b> Used to reverse the selective itemizer status programmed on each department or PLU.	27
	<b>Department Shift key.</b> Used to shift two different departments from one to the other. For example, [DEPT1] can be used as [DEPT31] when the [SHIFT] key is depressed prior to [DEPT1].	17, 20, 21
	<b>Total Key.</b> Used to finalize the sales entries and transfer all the balance.	23, 24, 38
	<b>Tray Total Key.</b> Used to obtain the total of an individual guest tray in a guest party.	38

KEY	FUNCTIONS	REFERENCE PAGE
<b>CHARGE TIP</b>	<i>Charge Tip Key.</i> Used to enter a tip amount for cashier.	30
<b>TIP PAID</b>	<i>Tip Paid Key.</i> Used to enter a cash tip amount for cashier.	30
<b>GCP LINE #</b>	<i>GCP Line No. Key.</i> Used to enter the number of printed lines for accessing the appropriate position to print additional data on a guest check.	24

## 9. REGISTERING OPERATIONS

The following pages are registering operation patterns and actual operation samples. In the patterns, " | \_\_\_\_\_ | " indicates an input through the numeric keys, "[     ]" indicates a depression of the transaction key. In referring to the sample operations, please note that the programmed data on some keys or items (such as Department keys) may be different from those programmed for your store.

### CONDITION SETTING TO START REGISTERING

GT Lock :     Be certain to set the key in the neutral position marked "•".

Mode Lock :   Insert the "REG" key and set it to the "REG" position.

Cashier-identifying operation:     You must sign-ON. or when selected the cashier key method, you must set your cashier key to the ON status.

### No-sale

The no-sale transaction is used to open the cash drawer without relating to any sales, such as for giving change, testing the receipt/journal print condition, etc.

**OPERATION**     (must be operated outside a sale)

[NS]     ..... The drawer opens and a No-sale receipt is issued.

-- Receipt Print Sample --

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
           Call again
PHONE: 87-6437

09-21-90  #111101

*NO SALE *

JONES 0141 10:01TH

```

## Department Entry

Each department key is preprogrammed as the "PRESET" type (with a price programmed on the key) or "OPEN" type (with no price programmed on the key). Perform operation depending on the type selected.

### OPERATION

#### Open Department Type

- | Price | ([SHIFT]) [Open DEPT]

⋮  
for the shifted depts.

#### Preset Department Type

- ([SHIFT]) [Preset DEPT]

⋮  
for the shifted depts.

- [PR OPEN] | Price | ([SHIFT]) [Preset DEPT]  
(or [OPEN])

⋮  
for the shifted depts.

-- Receipt Print Sample --



## PLU Entry

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

### OPERATION

#### Open PLU Type

- | PLU Code | [PLU] | Price | [AMT]
- | Price | [PLU Preset-code Key]

#### Preset PLU Type

- | PLU Code | [PLU]
  - [PLU Preset-code Key]
  - [PR OPEN] | PLU Code | [PLU] | Price | [AMT]  
(or [OPEN])
  - [PR OPEN] | Price | [PLU Preset-code Key]  
(or [OPEN])
- \* [PLU Preset-code Key] may be provided on the ECR keyboard or on the PK-2 (hardware option ; PLU keyboard)

-- Receipt Print Sample --

COFFEE	\$2.50T
MILK	\$1.30T

## Sub-link Department Entry

### OPERATION

Head-link Dept Entry → Compulsory

- NOTES :**
1. Entry of each declaration key (such as [RTN MDSE], [PR OPEN], etc.) or Quantity Extension for a Head-link department do not affect a Sub-link department.
  2. When [ITEM CORR] is depressed after a Head-link department Entry, the compulsion of a Sub-link department Entry will be canceled.

-- Receipt Print Sample --

DRINK	\$2.50T
BTL DEPO	\$0.20



## Set Menu Entry

A maximum 20 Set Menu Table are programmable. In one table, a maximum of 8 Menu Items can be set. By entering the main menu, the sub menu are automatically entered.

### OPERATION

Same operations as PLU Entry.

-- Receipt Print Sample --

```

BEEF STK SET$14.50T
VEGIT. SALAD↑
CORN SOUP↑
COFFEE↑
  
```

## Repeat Entry

To repeat the same item as the last entry, simply depress the last key of the department and PLU entry sequence, or depress [RPT] key.

- NOTES :**
1. If the first item of those repeated is modified with [LC OPEN], [TX/M], [SI/M] or [FS/M], the modified status will be effective through the last item of the repeated.
  2. The Preset Price Open Repeat Entry using a [Preset DEPT] or a [PLU Preset-code Key] may be repeated through the [RPT] key.

-- Receipt Print Sample --

```

FRIED SHRIMP $6.50T
FRIED SHRIMP $6.50T
  
```

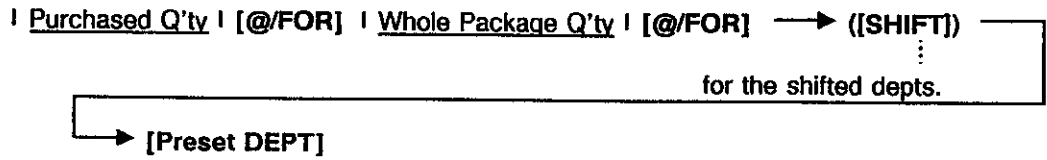


## Split Package Pricing

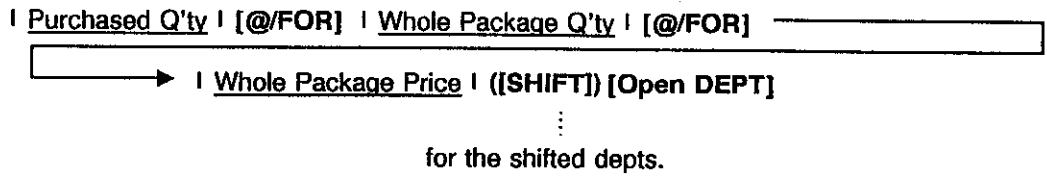
### OPERATION

#### (1) Department

- Preset Dept

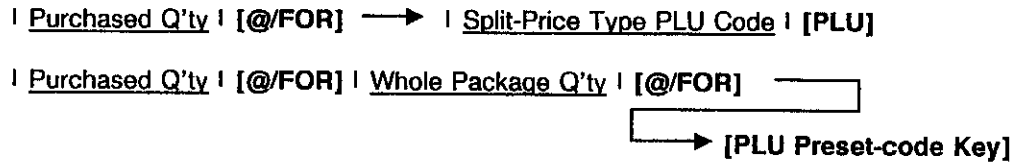


- Open Dept

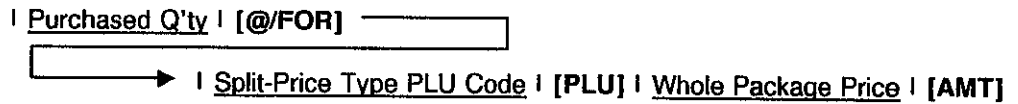


#### (2) PLU

- Preset PLU

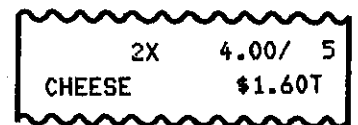


- Open PLU



- NOTES :**
1. *Purchased Q'ty* ..... max. 3 digits integral only.  
*Whole Package Q'ty* ..... max. 3 digits integral only.  
*Whole Package Price* ..... max. 6 digits
  2. *Usually the fraction of the result is rounded up in split package pricing. However, it is programmable to rounded up the fraction of each item price.*
  3. *Only the Split-Price Type PLUs (i.e. with Whole Package Quantity programmed) allow split package pricing operations using PLUs.*

-- Receipt Print Sample --



## Single-Item Department or Single-Item PLU

If a department (or PLU) is programmed as Single-item, the department (or PLU) entry sequence will immediately finalized the sale as cash sale when outside a sale.

### OPERATION

Same as

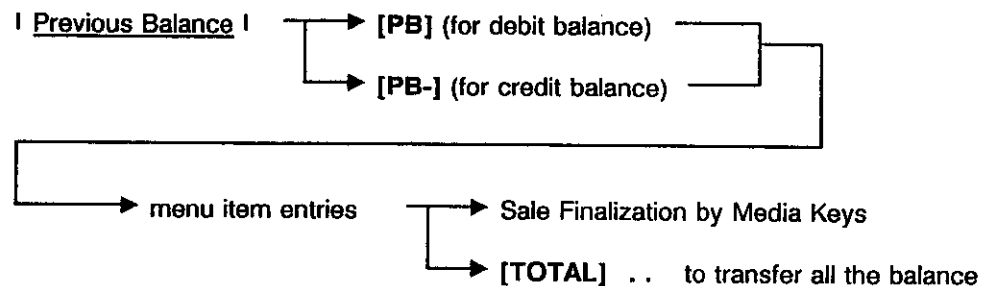
Department Entry  
 PLU Entry  
 Set Menu Entry  
 Quantity Extension  
 Split Package Pricing

-- Receipt Print Sample --

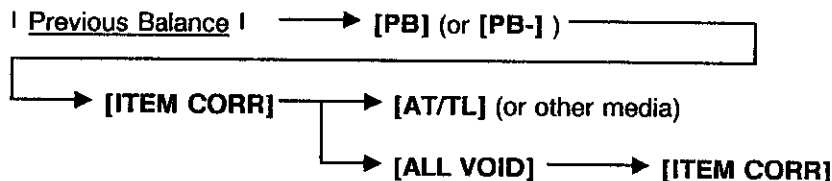
<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
	Call again
PHONE: 87-6437	
09-21-90	#111101
<b>DP 13</b>	<b>\$2.50</b>
<b>CASH</b>	<b>\$2.50</b>
ITEM	1
JONES	0150 10:20TM

## Oder Entry, Previous Balance Entry

**OPERATION**



- NOTES :**
1. For a new entry, enter a previous balance of zero or skip the input.
  2. The wrong PB amount input can be canceled by using the [ITEM CORR] key. To end the entry, follow the procedure described below.



3. No % + or %- is allowed on the previous balance amount.

-- Receipt Print Sample --

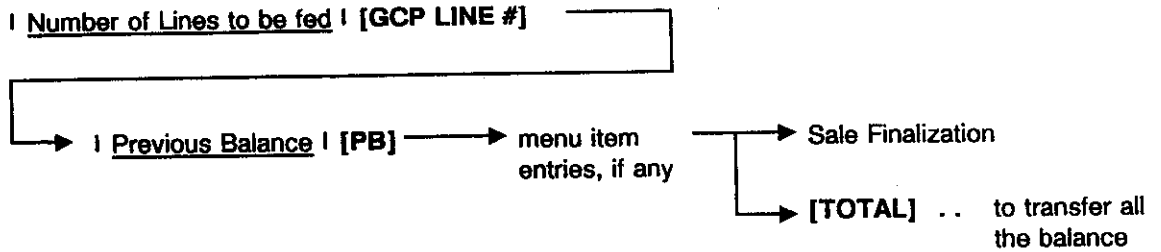
<b>PB+</b>	\$0.00
HAMB. STEAK	\$7.50T
VEGIT. SALAD	\$2.20T
COFFEE	\$2.50T
TAX1	\$0.73
TAX2	\$0.13
CASH	<b>\$13.06</b>
ITEM	3
JONES	0021 13:48TM

-- Guest Check --

<b>PB+</b>	\$0.00
HAMB. STEAK	\$7.50T
VEGIT. SALAD	\$2.20T
COFFEE	\$2.50T
TAX1	\$0.73
TAX2	\$0.13
CASH	<b>\$13.06</b>
ITEM	3
12 09-21-90	#111101 JONES 0021 13:48TM

### Additional Order Entry

**OPERATION**



**NOTE :** The specified number of lines to be fed should not exceed the preprogrammed maximum number of lines to be printed. For example, when 10 is input, the program feeds 10 lines and starts printing on the 11th line.

Receipt Print Sample

Order Entry

```

PB+          $0.00
    2X  14.50 @
BEEF STK SET$29.00T
VEGIT. SALAD†
CORN SOUP†
COFFEE†
TAX1          $1.74
TOTAL        $30.74

ITEM  2
JONES 0022 13:51TM
  
```

-- Guest Check --

```

PB+          $0.00
    2X  14.50 @
BEEF STK SET$29.00T
VEGIT. SALAD†
CORN SOUP†
COFFEE†
TAX1          $1.74
TOTAL        $30.74
ITEM  2
13 09-21-90 #111101 JONES 0022 13:51TM

PB+          $30.74
    2X   2.00 @
ICE CREAM     $4.00T
CASH          $34.74
ITEM  2
20 09-21-90 #111101 JONES 0023 13:56TM
  
```

Additional Order

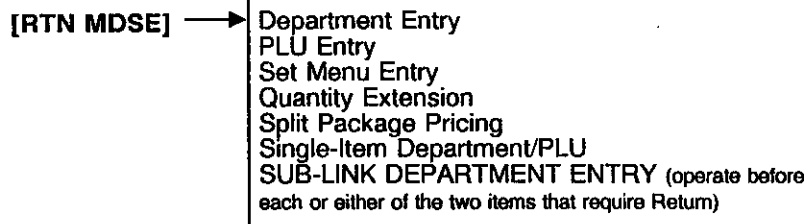
```

PB+          $30.74
    2X   2.00 @
ICE CREAM     $4.00T
CASH          $34.74

ITEM  2
JONES 0023 13:56TM
  
```

## Returned Merchandise

**OPERATION**



**NOTE :** The [RTN MDSE] key can be used outside as well as inside a sale.

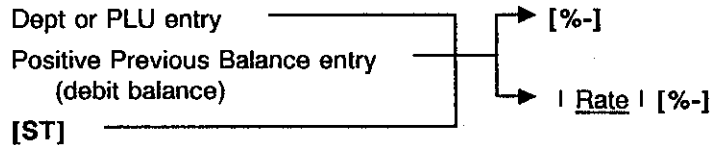
-- Receipt Print Sample --



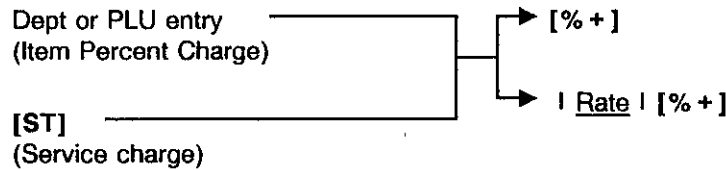
## Percent Discount, Percent Charge (Service Charge)

**OPERATION**

(1) Percent Discount

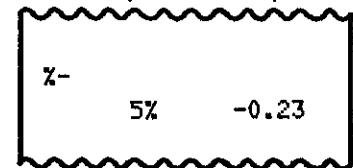


(2) Percent Charge (Service Charge)



- NOTES :**
1. Rate ..... 0.001 to 99.999 (%).
  2. When the Dept or PLU item entry is modified with [RTN MDSE] or [VOID], the following % entry will also be modified with [RTN MDSE] or [VOID].
  3. Usually a % key operation after [ST] once obtained is allowed only once. However, it may be programmed to allow more than once.
  4. A % + key operation after [ST] should be performed on such an amount including no PB amount.
  5. No % entry is allowed immediately after the input of a PB amount.

-- Receipt Print Sample --



## Dollar Discount

OPERATION

| Amount to be discounted | [ DOLL DISC ]

**NOTE :** An amount exceeding the sale total cannot be entered unless the "Credit Balance" option is selected.

-- Receipt Print Sample --

DISC	-0.50
------	-------

## Item Correct

OPERATION

Department Entry  
 PLU Entry  
 Repeat Entry  
 Quantity Extension  
 Split Package Pricing  
 Percent Discount/Charge  
 Store Coupon  
 Vendor Coupon  
 Charge Posting  
 Received-on-Account  
 Paid-Out  
 Manual Tax Entry  
 Returned Merchandise  
 Bottle Return  
 Dollar Discount

→ [ITEM CORR]

- NOTES :**
1. When [ITEM CORR] is depressed after a Repeat Entry, only the last item of those repeated will be deleted.
  2. When [ITEM CORR] is depressed after a Quantity Extension, the entire product (result of multiplication) will be deleted. The same is applied to the Split Package Pricing sequence.

-- Receipt Print Sample --

3X	0.45 @
SOUP-CAN-----	<del>41.35</del>



## Non-add Number Print

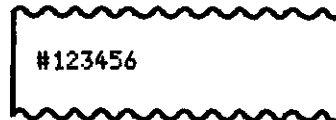
Non-add numbers can be entered and printed for future references, to indicate codes or numbers of customers, media checks, credit cards, etc. The entered numbers do not affect any sale total data.

### OPERATION

**[ Number ] [ # ]**  
Max. 8 digits. (or [#NS])

- NOTES :**
1. It is programmable whether a No-sale operation is allowed after a Non-add Number entry.
  2. It is also programmable whether Non-add Number can only be entered once or any number of times within a transaction.

-- Receipt Print Sample --



## Listing Capacity Open

### For Departments and PLUs

Depress **[LC OPEN]** (or **[OPEN]**) 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]** or **[OPEN]** key must be pressed, at latest, before the final key of the entry sequence. The HALC (High Amount Listing Capacity) for the department or PLU will be extended with two higher digits, and the LALC (Low Amount Listing Capacity) will be extended with one lower digits. For entering an amount still exceeding these limits, you must call for a Manager Intervention.

### Amounts through [DOLL DISC], [VND CPN], [STR CPN], [BTL RTN]

To exceed their limits, you must call for a Manager Intervention. The **[LC OPEN]** key will not effective.

## Modification of Tax Status, Food Stamp Status, or Selective Itemizer Status

Depress **[TX/M]** (**[TX1/M]**, **[TX2/M]** or **[TX3/M]**) in the same way as **[LC OPEN]** is operated, prior to or any time during the entry sequence of the required Department, PLU, or any tax-status-programmable item. The taxable status is reversed to non-taxable, and vice versa. The **[FS/M]** key operates the same to reverse from the food stampable status to non-stampable, and vice versa, of the required item.

The **[SI/M]** (**[SI1/M]**, or **[SI2/M]**) key also has the same function as the above modifier keys. (i.e. the function to reverse from the SI-net status to the non-net status, and vice versa, of the required item.

### Vendor Coupon

OPERATION

| Coupon Amount | [VND CPN]

**NOTE :** *The coupon amount to be entered must not exceed the sale total unless the "Credit Balance" option is selected.*

-- Receipt Print Sample --

V.CPN	-10.00
-------	--------

### Store Coupon

OPERATION

[STR CPN] → Follow | Department Entry  
| Quantity Extension for Depts |

**NOTE :** *The store coupon amount to be entered must not exceed the sale total unless the "Credit Balance" option is selected.*

-- Receipt Print Sample --

S.CPN	
FISH	-2.00T

**Void**

OPERATION

[VOID] → Department Entry  
 PLU Entry  
 Set Menu Entry  
 Quantity Extension  
 Split Package Pricing

**NOTE :** An amount exceeding the sale total cannot be entered unless the "Credit Balance" option is selected.

-- Receipt Print Sample --

CAN FOOD	\$2.50T
SPICE	\$1.50T
VOID	
CAN FOOD	-2.50T

**All Void (Cancel)**

OPERATION

[ALL VOID] → [ITEM CORR]

-- Receipt Print Sample --

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
PHONE: 87-6437	
09-21-90 #111101	
1X	1.20/ 5
DOUNUTS	\$0.24T
POTATO CHIPS	\$1.50T
ICE CREAM	\$2.00T
SOUP CAN	\$0.45T
ALL VD	\$4.19
JONES	0168 10:45TM

- NOTES :**
1. Pressing the [ALL VOID] key, followed by the [C] key will result in all void cancellation.
  2. It is inoperable if 31 items or more are entered.

### Tip Paid

**OPERATION**

| Cashier Code | [TIP PAID] → | Tip Amount | → [AT/TL]

-- Receipt Print Sample --

```

TIP PAID   JONES
CASH       $1.00

SMITH     0028 14:09TM
    
```

-- Guest Check --

```

TIP PAID   JONES
CASH       $1.00
09-21-90  #111101 SMITH 0028 14:09TM
    
```

### Charge Tip

**OPERATION**

Order Entry (or Additional Order Entry)

→ | Tip Amount | [CHARGE TIP] → Payment Entry using the same media as the tip.  
 Max. 7 digit

- NOTE :**
1. The media key to be used here must be a media programmed with the status "Charge Tip Allowed".
  2. The [AT/TL] key cannot be used as the first tendering after a Charge Tip entry.

-- Receipt Print Sample --

```

PB+        $0.00
FRD CHIKEN $4.50T
VEGIT. SALAD $2.20T
CORN SOUP  $2.50T
BEER       $1.40T
CHG TIP    $1.00
TAX1       $0.64
TAX2       $0.07
TOTAL     $12.31
CHECK     $20.00
CHANGE    $7.69

ITEM      4
SMITH    0030 14:17TM
    
```

-- Guest Check --

```

PB+        $0.00
FRD CHIKEN $4.50T
VEGIT. SALAD $2.20T
CORN SOUP  $2.50T
BEER       $1.40T
CHG TIP    $1.00
TAX1       $0.64
TAX2       $0.07
TOTAL     $12.31
CHECK     $20.00
CHANGE    $7.69
ITEM      4
16 09-21-90 #111101 SMITH 0030 14:17TM
    
```

**Manual Tax Entry**

OPERATION

| Irregular Tax Amount to be Added | [TAX]

-- Receipt Print Sample --

TAX4	\$0.50
------	--------

**Subtotal**

OPERATION

[ST]

**NOTE :** A program option provides the selection not to print but only display the subtotal even on the first depression of the [ST] key.

-- Receipt Print Sample --

SUBTL	\$7.50
-------	--------

**Taxable Total Read**

The sale total including tax due of the items so far entered is displayed.

OPERATION

[TXBL TL]

- NOTE :**
1. A program option provides the selection to or not to print the taxable total amount when the [TXBL TL] key.
  2. A program option provides the selection to display the amount including or not including a PB amount when the [TXBL TL] key is pressed.

## Food Stampable Total Read, Food Stamp Tendering

**OPERATION**

[FSTL TEND] → | Food Stamp Tendered Amount | [FSTL TEND]

Display the Food Stampable Total

Tendering in Food Stamp  
(This must be operated first of all the payments in finalizing the sale if food stamps are part of the payment.)

**NOTE :** When the Food stamp tendered amount is less than the sale total, the sale is not finalized with the balance still due is displayed. Then it will be finalized with cash or other media total or tendering operations.

SAMPLE OPERATION CONTENTS	KEY OPERATION	DISPLAY														
		PLU		AMOUNT												
		DRT	RPT	SD	SL	AL	RE	TX	ST	TL	CG	TH				
Sale items have been entered.																
Food Stampable total is read.	[FSTL TEND]															
Tenders \$10.00 in food stamps.	1000															
The sale is finalized, change is displayed.	[FSTL TEND]	2														

-- Receipt Print Sample --

TOTAL	7.99
FS/TL	7.99
F-STMP	10.00
CHANGE	0.01
FS CHG	2.00
ITEM	2
JONES	0097 12:57TH

Change in Food Stamps (unit dollar)

Change in cash.

## Tax Exempt

### OPERATION

#### Selective Tax Exemption

- [TX1/M] [TXEX] → Sale Finalization --- to exempt Tax 1 only  
 [TX2/M] [TXEX] → Sale Finalization --- to exempt Tax 2 only  
 [TX3/M] [TXEX] → Sale Finalization --- to exempt Tax 3 only

#### All Tax Exemption

- [EX] → Sale Finalization  
 [TX1/M] [TX2/M] [TX3/M] [EX] → Sale Finalization ] to exempt all taxes.

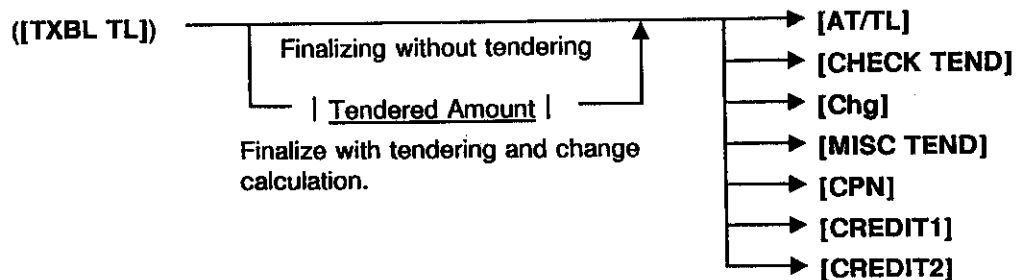
**NOTE :** On depressing [EX], the sale total excluding the exempted-tax(es) is displayed and pre-taxed amount of the sale portion subject to the tax exemption is printed.

-- Receipt Print Sample --

TAX1EX	\$4.74
TAX2EX	\$1.74

## Sale Finalization by Media Keys

### OPERATION



- NOTES :**
- Whether each Media Key is depressed with a prior Tendered Amount entry or not is determined by the key status selections programmed for each media key.
  - If the sale total is "0" or negative, any media key must be depressed without a tendered amount entry even if it is programmed as a "Tender" Key.

-- Cash Tender Sample --

TAX1	\$0.39
TOTAL	\$6.89
CATEND	\$10.00
CHANGE	\$3.11
ITEM	1
JONES	0184 11:09TM

-- Charge Total Sample --

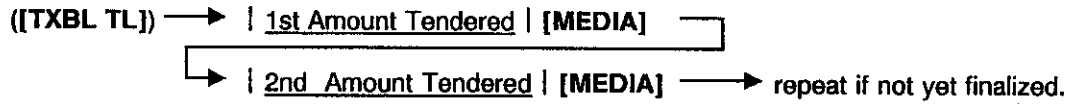
TAX1	\$0.39
Chg	\$6.89
ITEM	1
JONES	0185 11:10TM



### Multi-Tendering

Short-tendering repeated multiple times by the same media (allowed only when the media key is programmed to allow short-tendering).

**OPERATION**



-- Receipt Print Sample --

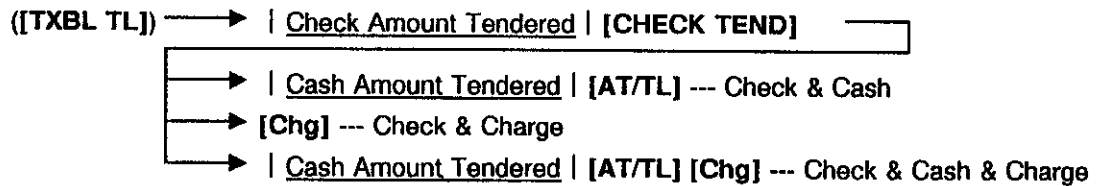
TAX1	\$0.87
TOTAL	\$ <b>15.37</b>
CATEND	\$10.00
CATEND	\$10.00
CHANGE	\$4.63
ITEM	1
JONES	0186 11:11TM

### Split-Tendering

Short-tendering repeated multiple times by the different media keys (allowed only when the media keys are programmed to allow short-tendering).

**OPERATION**

Example 1)



Example 2)



-- Receipt Print Sample --

TAX1	\$0.87
TOTAL	\$ <b>15.37</b>
CHECK	\$10.00
CATEND	\$10.00
CHANGE	\$4.63
ITEM	1
JONES	0187 11:12TM

### Check Cashing (No-sale cashing of a non-cash media)

**OPERATION** (must be operated outside a sale)

| Check Amount to be Cashed | [CHECK TEND] --- The drawer opens to enable the exchange.

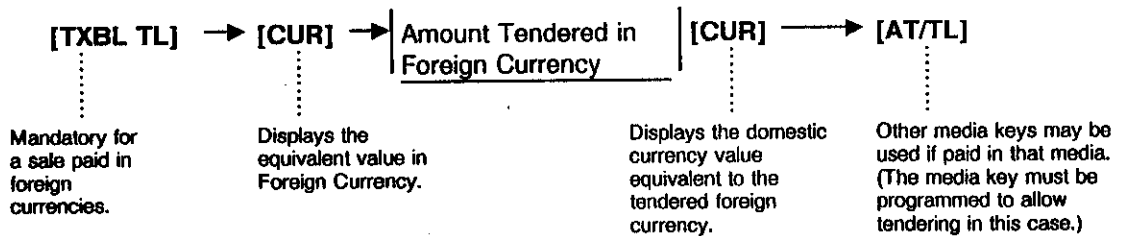
**NOTE :** Other non-cash media keys may be used for this purpose if programmed to allow no-purchase cashing.

-- Receipt Print Sample --



### Sale Paid In Foreign Currencies

**OPERATION**



- NOTES**
1. When a tendering by a foreign currency occurs during a short tendered condition, the [TXBL TL] key will not be mandatory.
  2. The sale is finalized if over-tendered, with change due displayed in the domestic currency.  
If short-tendered, the balance due is displayed in the domestic currency value.
  3. A sale of negative balance cannot be finalized using any of the foreign currency keys.
  4. The foreign currency keys cannot be used to finalize Received-on-Account payments, Paid-out items, or charge posting.

SAMPLE OPERATION CONTENTS	KEY OPERATION	DISPLAY															
		PLU		AMOUNT								BR					
		DPT	RPT	SC	BL	AL	RE	1	FS	TR	ST	TL	CO	TR			
Sale items have been entered.																	
Obtain subtotal.	[TXBL TL]																
The customer wants to pay in Foreign Currency. (Reading the displayed amount in CUR, you tell the amount to the customer.)	[CUR1] (The CUR value equivalent to the above subtotal amount is displayed.)																
The customer tenders an amount of F50.00 in CUR.	5000 [CUR1] (The amount tendered is displayed in the domestic currency.)																
Since paid in cash, use [AT/TL].	[AT/TL]																
The sale is over-tendered and finalized. Give the change (displayed in the domestic currency value) to the customer in the domestic currency.	TAX1 \$0.36 TOTAL \$6.36 CATEND \$9.31 CHANGE \$2.95  ITEM 1 JONES 0189 11:14TM																

### No-sale Exchange from a Foreign Currency to the Domestic Currency

**OPERATION**

(must be operated outside a sale)

[CUR] → | Amount of Foreign Currency to be exchanged | [NS]

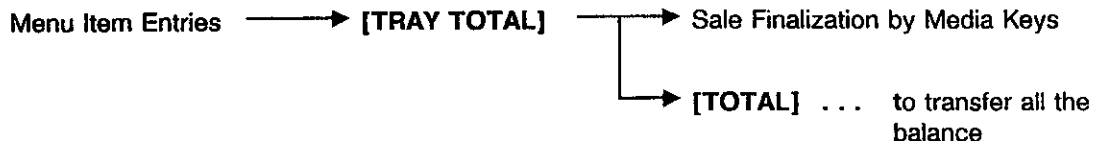
The drawer opens to enable exchange. Displays the domestic currency amount equivalent to the entered foreign currency amount.

-- Receipt Print Sample --

CUR2	100.00
CHANGE	\$56.76
JONES	0190 11:18TM

# Tray Total

**OPERATION**



-- Receipt Print Sample --

PB+	\$0.00
PORK SAUTE	\$4.50T
ITEM 1	
TRAY TL	\$4.50
-----	
FRIED SHRIMP	\$6.50T
Coke Small-B	\$0.70T
TAX1	\$0.43
TAX2	\$0.03
ITEM 2	
TRAY TL	\$7.66
-----	
TAX1	\$0.70
TAX2	\$0.03
CASH	\$12.43
ITEM 3	
SMITH	0031 14:24TM

← 1st Tray Total  
Separator Line

← 2nd Tray Total  
Separator Line

Entire Sale Data

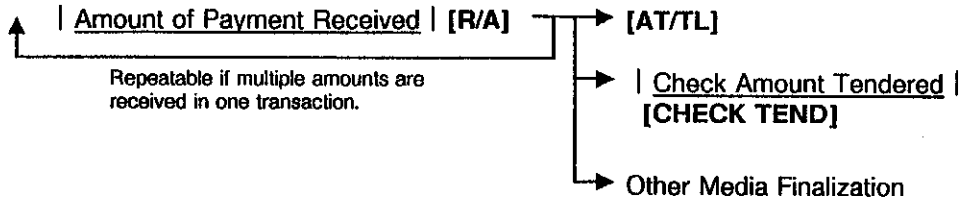
-- Guest Check --

PB+	\$0.00
PORK SAUTE	\$4.50T
FRIED SHRIMP	\$6.50T
Coke Small-B	\$0.70T
TAX1	\$0.70
TAX2	\$0.03
CASH	\$12.43
ITEM 3	
12 09-21-90	#111101 SMITH 0031 14:24TM

### 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)

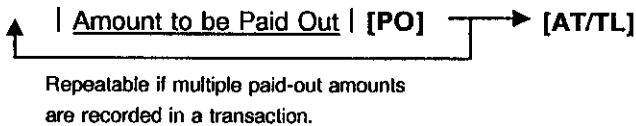


**NOTE :** Media Keys to finalize R/A entries must be programmed with the status "R/A operation allowed".

### 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)



**NOTE :** Only [AT/TL] key can finalize paid-out transactions.

-- Receipt Print Sample --

**TEC STORE**  
1343 PEACH DRIVE  
PHONE: 87-6437

Thank you  
Call again  
PHONE: 87-6437

09-21-90 #111101

Th:	R/A	\$5.00
	R/A	\$3.00
	CASH	<b>\$8.00</b>

0 JONES 0191 11:19TM

PO		\$2.50
PO		\$3.50
<b>TOTAL</b>		<b>\$6.00</b>

JONES 0192 11:34TM

### Validation Print

#### OPERATION

After entering the required item through a transaction key or media key (NOTE 3)

→ Insert a validation slip into the validation slot. Make sure that the "SLP" lamp is steadily lit.

→ [VALIDATE]

- NOTES :**
1. No other operations can follow until the validation slip once printed is withdrawn.
  2. Because printing occurs on the bottom side of the paper, please be certain to insert the slip into the validation slot with the printing side downward.
  3. If the "SLP" lamp flickers during registrations, it indicates that the last item just registered has been programmed to require validation print. In this case, no other operations can follow until the validation print of the item is executed.
  4. The following are the programmable selections relating to validation:
    - (1) PRINT FORMAT
      - a) Date Print/Non-print
      - b) Consecutive No. Print/Non-print
    - (2) MULTI- or SINGLE-VALIDATION  
(Number of times of validation print allowed for the same item)
    - (3) VALIDATION COMPULSORY status on the following keys :  
[ATITL], [CHECK TEND], [Chg], [MISC TEND], [CPN], [TOTAL], [RTN MDSE], [PO], [R/A], [VOID], [ITEM CORR], [DOLL DISC], [VND CPN], [STR CPN], [FSTL TEND], [%-], [BTR],[CREDIT1],[CREDIT2], [TIP PAID], Negative Departments and PLUs.

#### RECEIPT PRINT

#### VALIDATION PRINT

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

09-21-90  #111101

SALMON SLICE $9.50T
FRUIT SALAD $2.50T
#1001
TAX1          $0.72
Chg          $12.72

ITEM 2
JONES 0193 11:50TM
  
```

```

09-21-90 01CL0193      SALMON SLICE $9.50T
-----
09-21-90 01CL0193      FRUIT SALAD $2.50T
-----
09-21-90 01CL0193      #1001
-----
09-21-90 01CL0193      Chg          $12.72
  
```

## Receipt Post-Issue

**OPERATION**

(must be operated outside a sale)

(A sale is finalized) → [RECEIPT ISSUE]

Programmable options :

- Post-issue receipt is available only when the sale has been finalized with the sale has been finalized with [RECEIPT ON/OFF] switch positioned to "OFF".
- Available regardless of the switch position (in this case two receipts may be obtained for one sale.)
- Post-issue receipt is itemized receipt for a sale of maximum 30 lines. Exceeding 30 lines, the post-issue receipt is total-only receipt.
- Post-issue receipt is always total-only receipt regardless of the number of lines of a sale.

- NOTES :**
1. The post-issue receipt content will not be printed on the Remote Slip Printer.
  2. The post-issue receipt is not available for Received-on-Account or Paid-Out transactions.

### Ordinary Receipt

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
PHONE: 87-6437	
09-21-90	#111101
RYE BREAD	\$1.20T
TUNA CAN	\$0.50T
ICE CAKE	\$3.00T
Z+	
10%	\$0.30
TAX1	\$0.28
TAX2	\$0.09
CASH	\$5.37
ITEM	3
JONES	0194 11:55TM

### Post-issue Receipt

#### Itemize Type

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
PHONE: 87-6437	
09-21-90	#111101
RYE BREAD	\$1.20T
TUNA CAN	\$0.50T
ICE CAKE	\$3.00T
Z+	
10%	\$0.30
TAX1	\$0.28
TAX2	\$0.09
CASH	\$5.37
ITEM	3
JONES	0194 11:55TM

#### Total-only Type

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
PHONE: 87-6437	
09-21-90	#111101
TOTAL	\$5.37
JONES	0202 12:02TM

## Other Income Entry

Used to enter items which do not directly become sales for the store, such as lottery, postage, gift wrapping fee, size adjustment fee, utility (payment of electricity and gas), and donation.

### OPERATION

- | Price | [Other Income Dept] → Sale Finalization
- | Price | [Other Income Dept] [Same Dept] → Sale Finalization
- | Quantity | [X] | Price | [Other Income Dept] → Sale Finalization

-- Receipt Print Sample --

DP 15	\$3.50
CASH	\$3.50
ITEM	1
JONES	0011 13:14TM

**NOTE :** When Other Income Dept is programmed on Dept No.31 or more, refer to the followings.

- The [SHIFT] key must be depressed before the [Other Income Dept] key.
- For the Repeat Entry, the [RPT] key must be depressed instead of the [Same Dept] key.

## Bottle Return

### OPERATION

- | Bottle Return Amount | [BTL RTN]
- | Quantity | [ @/FOR ] | Unit Amount | [BTL RTN] ----- Quantity Extension

**NOTE :** This operation is possible only during a department or PLU sale (not possible outside a sale). An amount exceeding the sale total cannot be entered unless the "Credit Balance" option is selected.

-- Receipt Print Sample --

BTR	-2.00
-----	-------



## Selective Itemizer Total Read

The selective itemizer total is displayed and printed on the journal.

**OPERATION**

[S/TL]

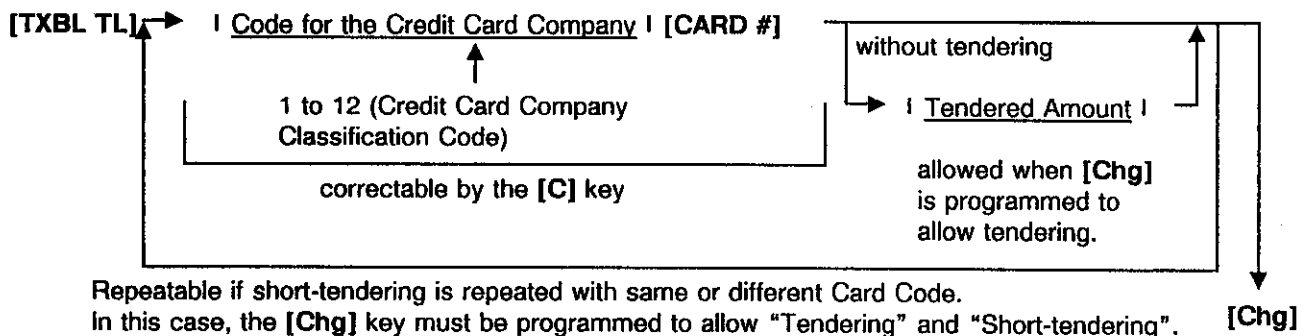
- NOTES :**
1. It may be programmed to print the total on the receipt.
  2. The content of the selective itemizer is cleared with the depression of [SI/TL].
  3. When a preset % rate is programmed on [SI/TL], the amount calculated with the rate is displayed and printed. Whether the calculated amount is added to or subtracted from the subtotal can be programmed.

-- Receipt Print Sample --

SI1 TL	-0.84
TAX1	\$0.72
TAX2	\$0.60
CASH	\$ 12.48
ITEM	4
JONES	0009 13:11TM

## Sale Finalization by Credit Card

**OPERATION**



Repeatable if short-tendering is repeated with same or different Card Code.

In this case, the [Chg] key must be programmed to allow "Tendering" and "Short-tendering".

- NOTES :**
1. If the option "[CARD #] key compulsory" is selected, the [Chg] key must always be operated with a prior code and [CARD #] key entry sequence.
  2. The above sequence from " | Code | " portion up to "[Chg]" key may be used to finalize received-on-account payments if the [Chg] key is programmed to allow received-on-account entries.

-- Receipt Print Sample --

TAX1	\$0.90
ABC	\$ 15.90



(2) Auto Scale with Tare

- Through Dept :

<u>Tare Table No.</u>	[TARE]	<u>Unit Price</u>	[(SHIFT)]	[DEPT]
1 to 9		max. 6 digits		
			⋮	
				for the shifted depts.

- Through Preset-PLU :

<u>Tare Table No.</u>	[TARE]	<u>PLU Code</u>	[PLU]
1 to 9			

- Through Open-PLU :

<u>Tare Table No.</u>	[TARE]	<u>PLU Code</u>	[PLU]	<u>Unit Price</u>	[AMT]
1 to 9				max. 6 digits	

- NOTES :**
1. When depressed [TARE] after entered the tare table No., the tare weight is automatically subtracted from the scaled weight, and thus only the net weight is processed.
  2. Manual entry of tare weight is not available.

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

- Through Dept :

<u>Net Weight</u>	[SCALE]	<u>Unit Price</u>	[(SHIFT)]	[DEPT]
1 to 9999		max. 6 digits		
- 1/100 LB			⋮	
1 to 99999				for the shifted depts.
- g				

- Through Preset-PLU :

<u>Net Weight</u>	[SCALE]	<u>PLU Code</u>	[PLU]
1 to 9999			
- 1/100 LB			
1 to 99999			
- g			

(4) Return or Void Scale Entry

<b>[RTN MDSE]</b> →	<u>Net Weight</u>	<b>[SCALE]</b>	<u>Unit Price</u>	<b>((SHIFT))</b>	<b>[DEPT]</b>
(or <b>[VOID]</b> )	1 to 9999		max. 6 digits	⋮	
	- 1/100 LB				
	1 to 99999				for the shifted depts.
	- g				

-- Receipt Print Sample --

<b>[RTN MDSE]</b> →	<u>Net Weight</u>	<b>[SCALE]</b>	<u>PLU Code</u>
(or <b>[VOID]</b> )	1 to 9999		
	- 1/100 LB		
	1 to 99999		
	- g		

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
                Call again
                PHONE: 87-6437

09-21-90    #111101

MANUAL
 1.50LB@    2.50/LB
BEEF*       $3.75T
TUNA CAN    $0.50T
MANUAL
 0.90LB@    2.00/LB
PORK*       $1.80T
MANUAL
 0.60LB@    15.00/LB
BOILED CRAB* $9.00T
TAX1        $0.90
TAX2        $0.02
CASH        $15.97

ITEM        4
JONES      0018 13:26TM
    
```

## Salesperson Entry (Salesperson Sign-ON)

| Salesperson Code | [SALES PERSON] → -- The name of the person is printed on both the journal and the receipt.  
1 to 99

**NOTE :** A program option provides the selection to or not to print the salesperson name on the receipt.

-- Receipt Print Sample --

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
	Call again
	PHONE: 87-6437
09-21-90	#111101
01 White	
DAIRY	\$2.50T
BAKERY	\$3.00T
CAN FOOD	\$4.50T
CHEWING GUM	\$0.40T
TAX1	\$0.60
TAX2	\$0.40
TOTAL	<b>\$ 1 1 . 4 0</b>
MISC	\$10.00
CASH	\$1.40
ITEM	4
JONES	0019 13:29TM

## Endorsement Print

### OPERATION

After operating the required non-cash media key (usually the [CHECK TEND] key)

Insert the check or the required slip into the Remote Slip Printer.

Enter the Check No. (if unnecessary, the Check No. entry may be omitted.), and then depress [CHECK NO.] key.

**NOTE :** The Check No. entry prior to the [CHECK NO.] key may be programmed to be compulsory.

#### Receipt Print Sample

FISH	\$5.00T
DESSERT	\$3.50T
TAX1	\$0.51
TOTAL	\$9.01
CHECK	\$10.00
CHANGE	\$0.99
ITEM 2	
JONES 0020	13:33TM

#### Endorsement Print Sample

Printed on Remote Slip Printer

TEC STORE		
1343 PEACH DRIVE, TORRANCE		
CALIFORNIA		
TOTAL	\$9.01	
#111101CHECK	\$10.00	
01CL 0020	09-21-90	13:33TM

← Check No. (max. 15 digits) line

← Endorsement Message Lines (max. 3 lines programmable)

← Total (may not be printed)

← Check Amount Line

← Cashier ID, Consecutive No., Date, Time

## Guest Check Printer (hardware option) Operation

The TEC Guest Check Printer DRS-107 may be connected to the FDS-30 series ECR as an optional device.

1. The guest check printer will automatically activate printing when the slip has properly been set to the printer table.

The following are programmabilities as to the Guest Check Printer Operations :

### PRINT START LINE AND LIMIT LINE SETTING

Appropriate values be set to meet the guest check slip used by each store.

### SYSTEM OPTION

- Double Slip Print or Single Slip Print  
Double Slip Print means to print the total amount, consecutive No., time, date, and register No. twice.  
(except sales include previous balance)
  - Date Print or Non-Print
  - Guest Check Compulsory or Not Compulsory for every sale with Previous Balance
2. The gap of the slip inlet is usually opened, and the slip may be inserted or withdrawn freely outside a receipt/journal print sequence.
  3. The EJECT key on the DRS-107 may be used to open the closed gap in order to withdraw the slip and skip unnecessary item print. The EJECT key will be disregarded if the slip is set and the ECR receipt/journal printer is in a printing action.
  4. Printing on the guest check printer will be performed alternately with printing on the receipt/ journal printer is in a printing action.
  5. When printing of a check requires more than one page, operate as in the following for multi-page process :
    - 1) When printing reaches the last line (limit line) of the first page, printing stops, and the AMOUNT portion of the display flickers.
    - 2) Withdraw the first page, and insert the second page.  
Then depress the [C] key on the ECR Keyboard. Printing resumes.
  6. To make an additional order(s) when an entry(ies) has already been made on the check slip, use the [GCP LINE#] key. For its entry procedure and a receipt sample, refer to Additional Order (page 24).

## 10. POWER FAILURE PROCESS

If a power failure occurs, the sales memory is protected by the back-up battery; registration and printing will normally be performed on regaining the power. However, please note the following cases:

- (1) The printer will work to print the entered data without failure after the power recovery if any data was being printed. However, one extra line may be fed on the power recovery depending on the power failure timing.
- (2) The following are displayed indications on the power recovery :

ECR CONDITION at the time of Power Failure		DISPLAY INDICATION on the Power Recovery
OUTSIDE A SALE.	No Key-in has been operated.	Displays zero. Operations may go on.
	Numeric or Declaration Keys (such as [RTN MDSE], [PR OPEN], etc) have been entered but not motorized keys.	Displays "FAIL". Depress [C] to clear the error condition, and re-start the operation from the numeric or declaration key entry.
DURING A SALE.	No Numeric or Declaration keys have been entered.	Regains the display content that was obtained just before the power failure. The operations may be continued.
	Numeric or Declaration keys have been entered.	Displays "FAIL". Depress [C] to clear the error condition, and re-start the operation from the numeric or declaration key entry.

If a power failure occurs, it is recommended to check the receipt print content before the receipt is handed to the customer.

## 11. JOURNAL AND RECEIPT PAPER-END DETECTOR

- (1) This detects when either the journal or receipt paper is running out. It is provided to prompt the operator to replace the old paper roll with a new one.
- (2) When the paper roll is running out (or the paper has not been set properly), no key operation is accepted and the AMOUNT portion of the display keeps flickering.
- (3) When a new paper roll is set, only the [RF] and [JF] keys are allowed to operate. Next, when the [C] key is depressed, the display flickering will be cleared and normal key-in operations will be accepted. When any printing has been suspended, it will continue printing.
- (4) If this detector senses a paper-end condition during printing, the printing stops after the current line printing is completed.
- (5) If the [C] key is depressed in the paper-end condition, it is ignored. The [C] key depression will clear the display flickering only after the new paper roll is set.



## 12. ECR PRINTER MOTOR LOCK DETECTOR

- (1) This detects the printer motor lock condition caused by some trouble, such as paper jamming.
- (2) When such a condition is detected, the front display indicates "Error" and none of the keys (including **[RF]** and **[JF]**) will be accepted.
- (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.

## 13. REMOTE SLIP PRINTER MOTOR LOCK DETECTOR

- (1) This detects the remote slip printer motor lock condition caused by some trouble, such as paper jamming.
  - (2) When such a condition is detected, the front display indicates "Error" and none of the keys (including **[RF]** and **[JF]**) 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.

# 14. PAPER ROLL REPLACEMENT AND OTHER MAINTENANCE OPERATIONS

## 14.1 INSTALLING THE RECEIPT PAPER

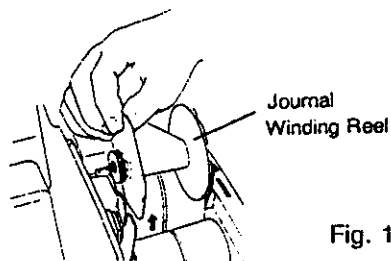


Fig. 1

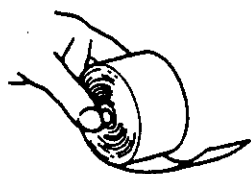


Fig. 2

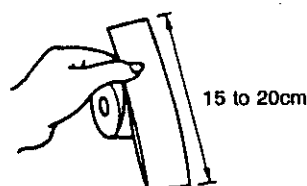


Fig. 3

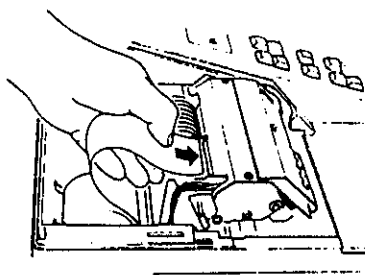


Fig. 4

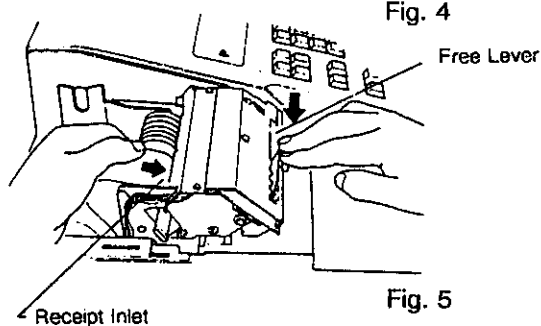


Fig. 5

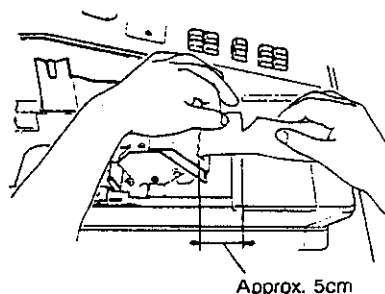


Fig. 6

1. Turn the Mode Lock to the "REG" position with the power ON.
2. Remove the Paper Cover, and remove the Journal Winding Reel (Fig. 1).
3. Hold a new paper roll in the direction shown in Fig. 2 so that the paper end will be fed from the bottom.
4. Fold the paper end as shown in Fig. 3 to ease the insertion.
5. Place the paper roll in the outer holder of the two roll holders (Fig. 4).
6. Insert the paper end into the Receipt Inlet, feed the paper in while pressing down the Free Lever (or feed the paper in while pressing the [RF] key). (Fig. 5)
7. When the whole folded portion has come out, tear off the unnecessary part with an appropriate end length remaining (approx. 5 cm or 2 inches). (Fig. 6)
8. Go on to INSTALLING THE JOURNAL PAPER steps if necessary, or go on to Step 9 below if not.
9. Attach the Paper Cover. Please note the paper end must be seen outside the cover.
10. Press the [C] key to clear the paper-end condition, and depress the [NS] key to issue a receipt to check if the paper has been properly set.

**NOTE:** The [RF] or [JF] keys function only when both receipt and journal paper rolls have been placed in their respective holders.

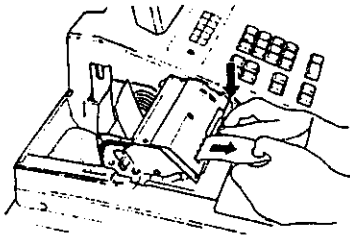


Fig. 7

## 14.2 REMOVING THE RECEIPT PAPER

1. Remove the Paper Cover.
2. Tear the paper end off the paper core, pull the paper end out while depressing the Free Lever. (Fig. 7)
3. Remove the paper core.

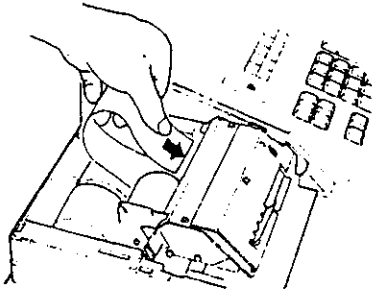


Fig. 8

## 14.3 INSTALLING THE JOURNAL PAPER

1. Turn the Mode Lock to the "REG" position with the power on.
2. Remove the Paper Cover by pulling it upward, and remove the Journal Winding Reel. (Fig. 1)
3. Follow Steps 3 and 4 of INSTALLING THE RECEIPT PAPER procedure on the previous page.
4. Place the paper roll in the inner roll holder of the two holders. (Fig. 8)
5. Insert the paper end into the Journal Inlet, feed the paper in while pressing down the Free Lever (or feed the paper in while pressing the [JF] key). (Fig. 9)
6. When a sufficient amount of paper comes out, wind the paper around the Journal Winding Reel two or three times, and set the Journal Winding Reel into the Reel Holder. (Fig. 10)
7. Attach the Paper Cover.
8. Press the [C] key before starting operation.

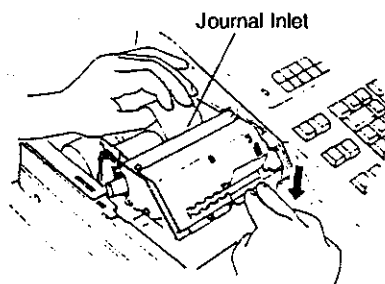


Fig. 9

## 14.4 REMOVING THE JOURNAL PAPER

1. Remove the Paper Cover.
2. Press the [JF] key to wind up enough of the journal paper, and then tear off the paper, holding the Journal Winding Reel.
3. The wound-up portion of the paper can easily be removed from the Reel by pulling it sideways. (Fig. 11)
4. If enough paper remains on the roll, follow Steps 6 through 8 above; if the paper is running out, follow Steps 1 through 8 above.

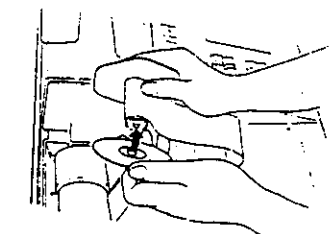


Fig. 10

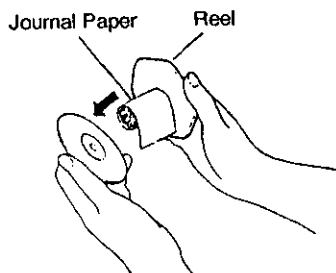


Fig. 11

**NOTE:** The [JF] or [RF] keys function only when both journal and receipt rolls have been placed in their respective holders.

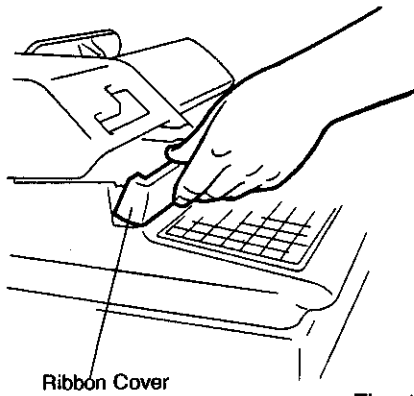


Fig. 1

## 14.5 REPLACING THE RIBBON CARTRIDGE

When the receipt and journal print is too light, replace the Ribbon Cartridge in the following manner:

1. Remove the Ribbon Cover (Fig. 1).
2. Remove the old Ribbon Cartridge by pulling it toward you (Fig. 2).
3. Install a new Ribbon Cartridge in the reverse order to Step 2 above (Fig. 3).
4. The Ribbon Cartridge is a consumable product. Be certain to use a genuine Ribbon Cartridge supplied by your TEC representative.

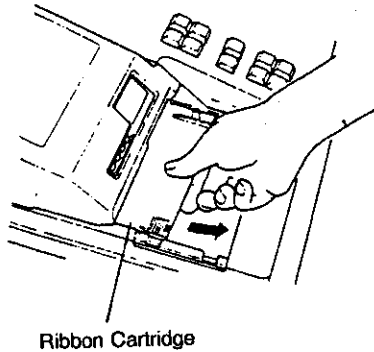


Fig. 2

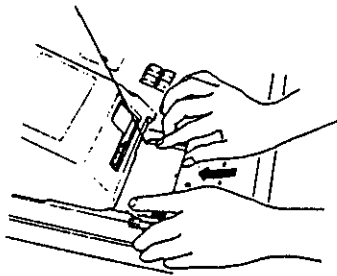


Fig. 3

## 14.6 REPLENISHING THE STORE NAME STAMP WITH INK

When the store name stamp is printed too lightly, replenish the ink in the following manner:

1. Turn the Power Switch to OFF. Remove the Paper Cover.
2. Withdraw the store name stamp with the protruding part pinched between your fingers (Fig. 4).
3. Apply ink to the pad on the rear side of the Store Name Stamp. The amount applied should be adjusted according to the desired darkness of the printed message, but the limit of 2 cc should not be exceeded. (The ink bottle supplied contains 5 cc of ink.) (Fig. 5)
4. Follow the reverse order of the instructions in Step 2, and then attach the cover.

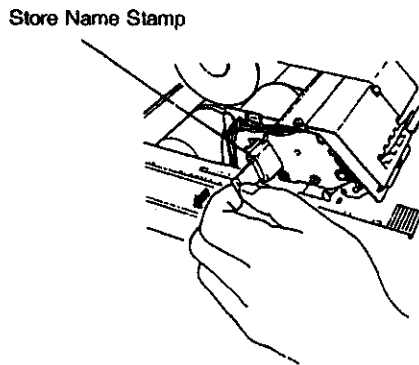


Fig. 4

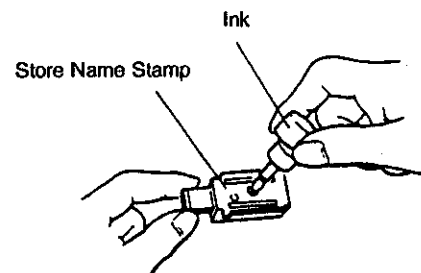


Fig. 5

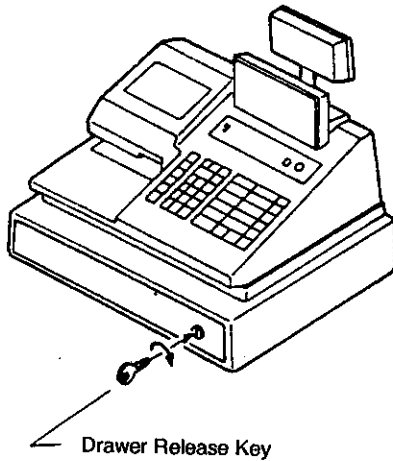


Fig. 1

## 14.7 MANUAL DRAWER RELEASING

The drawer opens automatically when a registration is performed. In the event of a power failure or other trouble, the drawer can be opened manually in the following manner:

1. Insert the Drawer Release Key into the drawer release lock and turn the key clockwise. The drawer will then open. (Fig. 1)
2. The Drawer Release Key can be taken out by returning it to the original position.
3. When the drawer is closed, it is automatically locked and will not open without the Drawer Release Key or a normal registering operation.

## 14.8 REMOVING THE DRAWER

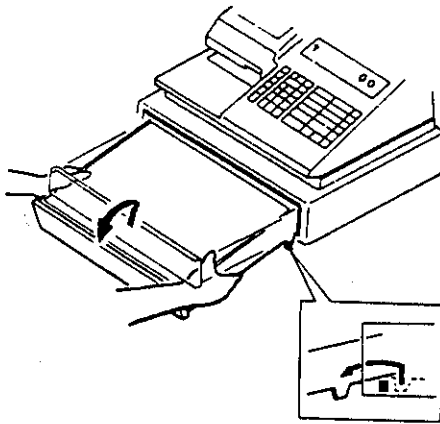


Fig. 2

1. Pull the drawer out, and when it stops at the stopper, lift the drawer up and pull it further out (Fig. 2). When it stops again at the roller fixed in the drawer housing, lift it and pull it out (Fig. 3).
2. To return the drawer, follow the reverse procedure for removing.

## 14.9 CDC (Cash Drawer Cover) LOCK

Locking (Fig. 4)

1. Push the Cash Drawer Cover to the back of the drawer.
2. Press the cover lightly, insert the key into the key-hole on the cover, and turn it to lock.

Unlocking

1. Unlock the cover using the key, and lift the front end.

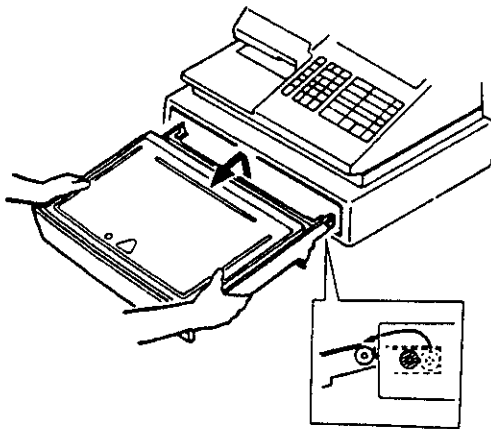


Fig. 3

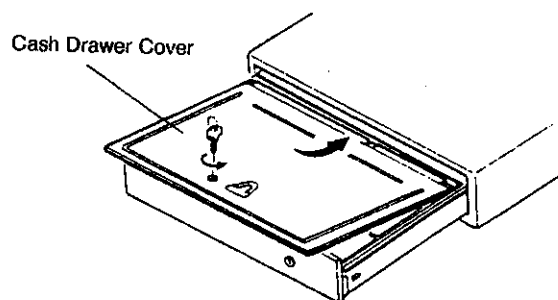


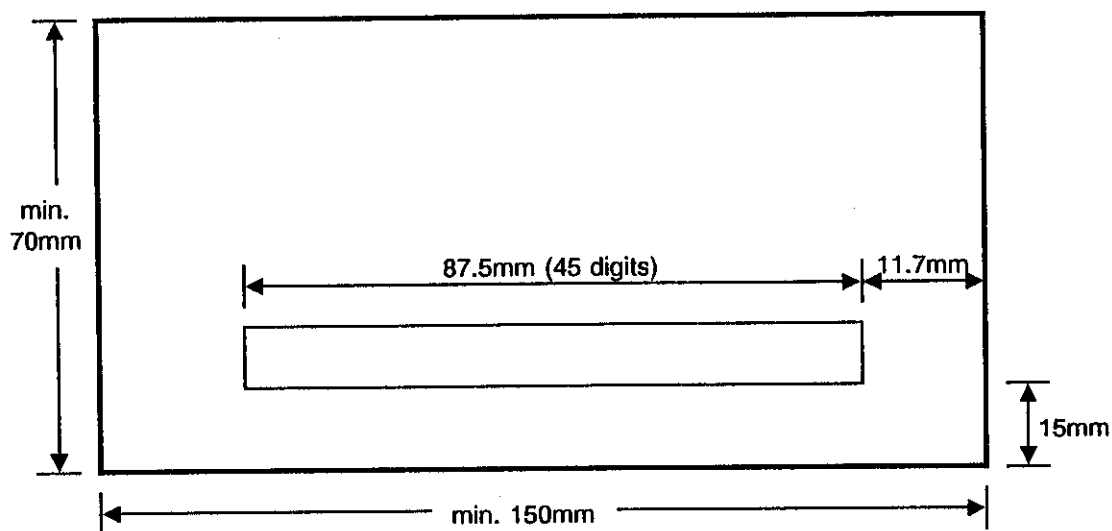
Fig. 4

## 15. SPECIFICATIONS

<b>Size</b> .....	460mm (width) x 400mm (depth) x 281mm (height) (height including rubber feet) (or 305mm-height when Customer Display is popped up.)
<b>Weight</b> .....	17.5kg
<b>Power Required</b> .....	AC100V, 110V, 117V, 220V, 240V; 50/60Hz (varies depending on the destination)
<b>Power Consumed</b> .....	0.7A (117V)
<b>Ambient Temperature</b> .....	0°C to 40°C
<b>Relative Humidity</b> .....	10% to 90%
<b>Size of Receipt and Journal Tape</b> ..	45mm (width) x 80mm (diameter)

### VALIDATION SLIP SPECIFICATIONS

<b>Type of Paper</b> .....	Non-carbon Paper, or Ordinary Paper + Carbon Sheet
<b>Thickness</b> .....	0.06mm to 0.2mm (total thickness)
<b>Max. Number of Duplicates</b> ....	2 sheets (including the original sheet)
<b>Size of Slip</b> .....	Min. 150mm (width) x min. 70mm (height)



# **MANAGER'S GUIDE**





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# 1. MANAGER INTERVENTION

## 1.1 ITEM PROGRAMMED TO REQUIRE MANAGER INTERVENTIONS

During daily sale entry operations, the cashier may call for Manager Interventions. The following is the operation flow of a Manager Intervention.

- (1) During operations, the cashier comes across an item that requires a Manager Intervention. The cashier, already informed of it, may immediately call for a Manager Intervention. Or the cashier, without knowing of it, attempts the operation and error results, clears the error by the [C] key, and then calls for a Manager Intervention.



- (2) You go to the cashier counter with the **MGR** or **MA** key.



- (3) The cashier explains what kind of operation is attempted, and removes the **REG** key from the Mode Lock at the "REG" position.



- (4) You insert the **MGR** or **MA** key and turns it to the "MGR" position.



- (5) The cashier operates the required item.



- (6) The manager returns the **MGR** or **MA** key to the "REG" position and pulls it out.



- (7) The cashier sets the **REG** key to the "REG" position again and continues registering operations.

The following are the tables of the keys and operations that are programmable with Manager Intervention. Fill in the table by marking in the "Not Required" or "Required" column of each item, referring to the documents, etc. listed in the table.

Table 1: KEYS AND MANAGER INTERVENTION STATUS

KEY	Manager Intervention		Reference
	Not required	Required	
[DOLL DISC]			Ask your TEC representative as to information or changes of KEY STATUSES.
[VND CPN]			
[STR CPN]			
[BTL RTN]			
[%-] ([% I ], [% II])			
[RTN MDSE]			
[VOID]			
[PO]			
[TXEX]			
[ALL VOID]			
[CHARGE TIP]			
[TIP PAID]			

Table 2: OPERATIONS AND MANAGER INTERVENTION STATUS

OPERATION	Manager Intervention		Reference
	Not required	Required	
Negative-balance Sale Finalization by Media Keys except [AT/TL] or [FSTL TEND]			Ask your TEC representative as to information or changes of PROGRAM OPTIONS.
Negative Department or negative PLU Entries			

## 1.2 LISTING CAPACITY OR AMOUNT LIMIT RELEASE BY MANAGER INTERVENTION

Listing Capacities (LC) or Amount Limits may be programmed on Departments/PLUs, Tender Medias, [DOLL DISC], [VND CPN], [STR CPN], [BTL RTN]. These LC's and limits are programmed to check an excessively high or low amount entry by cashier's mistake at the earliest stage. The procedure of operators and Manager Intervention for LC release is same as described in 1.1.

## 2. MANAGER'S OWN OPERATIONS IN "MGR" MODE

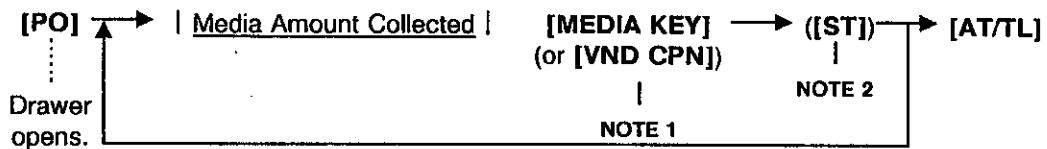
The following are operations possible only in the "MGR" position of the Mode Lock, which are performed by the manager or by a person under the manager's control.

### 2.1 PICK UP OPERATION

This operation is used when you collect money from the ECR drawer, during the day, for the banking purpose, etc. In order to record the money amounts collected and to subtract the amounts from the in-drawer Totals memory, this operation is necessary.

**CONDITION** Any time outside a sale (Sign-ON or Cashier Key ON is required.)

**OPERATION** Mode Lock: **MGR** / GT Lock: Neutral



Repeat until all the collected media amounts are recorded.

**NOTE 1:** Depress the media keys or the [VND CPN] key corresponding to the collected media ([AT/TL] for cash). The media keys that can be operated here are those programmed to printed their medias-in-drawer amounts in reports.

**NOTE 2:** Depress [ST], if necessary, to obtain the subtotal amount of the medias so far collected.

-- Receipt Print Sample --

```

    TEC STORE
    1343 PEACH DRIVE
    PHONE: 87-6437

    Thank you
           Call again
    PHONE: 87-6437

    09-21-90  #111101

    *PICK UP *
    CASH      $300.00
    TOTAL     $300.00

    JONES    0041 14:40TM
    
```

## 2.2 TRAINING MODE START AND END

When you have newly employed cashiers, you may provide the opportunities for them to train their skills of operating the FDS-30. 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 Training Mode Total memory but not affect any actual sales data in business.

### CONDITION

Outside a sale, in Cashier Signed-OFF condition (or no Cashier Keys to ON status)

### OPERATION FOR TRAINING MODES START

Mode Lock: MGR / GT Lock: Neutral

| Programmed Training Mode Sign-ON/OFF Code | [#]

01 to 99 (must be a 2-digit value)

↓ (The Mode Lock may be turned to the "REG" position now.)

Registering operations are allowed by the trainees:

- No Cashier Sign-ONs are necessary. (The Training Mode Start itself is a kind of sign-ON.)
  - All registering operations are possible in the Training Mode
- except:
- 1) The drawer will not open.
  - 2) The Consecutive No. on the receipt will not be increased.
  - 3) Print occurs on receipt and journal with the Training Header message.



### OPERATION FOR TRAINING MODE END

Operate the same as the TRAINING MODE START.

Now the register is in a Signed-OFF condition. You may turn the Mode Lock to any position for its corresponding operations. To start sale entries, a cashier's sign-ON or a Cashier Key to ON status is again necessary.

**NOTE :** *When operated Validation or Endorsement print in this mode, the printing action will take place, but nothing will be printed.*

-- Refer to the sample receipts relating to the Training Mode, on the next page. --

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again  
 PHONE: 87-6437

09-21-90 #111101

**\*TRAINING\***  
**ON**

0033 14:28TM

Training Start (Training Sign-ON) Receipt

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again  
 PHONE: 87-6437

09-21-90 #111101

**\*TRAINING\***

MEAT	\$2.50T
FISH	\$3.00T
Z-	
5%	-0.15
TAX1	\$0.33
CASH	\$5.68

ITEM 2

**\*TRAINING\***  
 0033 14:28TM

A receipt issued in the Training Mode (Operations are allowed in the "REG" or "MGR" mode, but not in the "☐" mode.)

Training Mode Header

Registering Contents

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again  
 PHONE: 87-6437

09-21-90 #111101

**\*TRAINING\***  
**OFF**

0033 14:29TM

Training End (Training Sign-OFF) Receipt

### 3. OPERATIONS IN "☐" MODE

Instead of using the [RTN MDSE] or [VOID] keys in the "REG" or "MGR" mode for deleting individual items, the "☐" mode automatically processes positive items into negative and negative into positive. To operate, turn the Mode 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 in 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 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 he once purchased. In using this mode, please be certain to read the following three cases of operation patterns. If you only turn the Mode Lock to the "☐" position and let the cashier operate the actual item entries in this mode, you should also inform the cashier of these two cases.

#### 3.1 ORDINARY OPERATIONS IN "☐" MODE

Except those described in the next sections 3.2, all the sale items that were entered in "REG" or "MGR" at the time of purchase may be entered in the "☐" mode in the same way as operated at the time of purchase.

#### OPERATION AND RECEIPT SAMPLE

RECEIPT ISSUED IN "REG" or "MGR" MODE

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

09-21-90 #111101

CAN FOOD    $2.50T
SNACK       $3.50T
%-
          5%    -0.18
TAX1        $0.15
TAX2        $0.30
CASH        $6.27

ITEM 2
JONES 0035 14:31TM
  
```

These two receipts contain the same sale items and media finalization. The operations are also the same except the Mode 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 canceled the entire sale after the cashier had finalized that sale.

The ☐ mode header ("REG-" in this example) is printed at the top and bottom of the sale contents in the ☐ mode receipt.

RECEIPT ISSUED IN "☐" MODE

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

09-21-90 #111101

*REG-          *
CAN FOOD    $2.50T
SNACK       $3.50T
%-
          5%    -0.18
TAX1        $0.15
TAX2        $0.30
CASH        $6.27

ITEM 2
JONES 003B 14:32TM
  
```



### 3.2 SCALE ITEM ENTRY IN "☐" MODE

Any scale item entered in the "REG" or "MGR" mode at the time of purchase must be entered manually (Manual Scale Entry but not 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.

### 3.3 AMOUNT LIMIT RELEASE IN "☐" MODE

Amount limits programmed on [DOLL DISC], [VND CPN], [STR CPN], and [BTL RTN] may be released in the "☐" mode, i.e. the same handling as in the "MGR" mode.

## 4. READ (X) AND RESET (Z) REPORTS

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

1. The "X" reports allow to read the sales data but not clear memories, while the "Z" reports allow to read the sales data and at the same time all the resettable memories will be cleared when the reports have been issued.
2. The symbol "Xnn" is printed on the top line of an "X" report, while "Znn" is printed on a "Z" report. ("nn" is the Report No.)
3. A reset count is printed on the bottom of a "Z" report only.

TABLE OF OPERATIONS FOR X AND Z REPORTS

### Daily Reports (GT Lock: Neutral Position)

REPORT HEADER	REPORT NAME	MODE LOCK	KEY OPERATION	SAMPLE PAGE
X03 Z03	FINANCIAL READ AND RESET • Financial Read • Financial Reset	X Z	3 [AT/TL] (Drawer opens.)	14
X04 Z04	CASHIER READ AND RESET • Individual Cashier Read • Individual Cashier Reset	X Z	With CASHIER SIGNING Method:   Cashier ID Code   [LOG] (2-digit manager-assign code) With CASHIER KEY Method: Set the Cashier Key of the required cashier, 4 [AT/TL]. (Drawer opens.)	17
X05 Z05	SALESPERSON READ AND RESET • All Salesperson Read • All Salesperson Reset	X Z	5 [AT/TL]	18
X06	CREDIT CARD COMPANY SALES READ	X	6 [AT/TL]	18
X07	DEPARTMENT GROSS PROFIT READ	X	7 [AT/TL]	19
X08	DEPARTMENT GROUP READ	X	8 [AT/TL]	19
X09	MEDIA SALES AND IN-DRAWER TOTAL READ	X	9 [AT/TL] (Drawer opens.)	20
X10 Z10	HOURLY RANGE READ AND RESET • Hourly Read • Hourly Reset	X Z	10 [AT/TL]	20

-- To be continued --

REPORT HEADER	REPORT NAME	MODE LOCK	KEY OPERATION	SAMPLE PAGE
X11	DEPARTMENT READ AND RESET <ul style="list-style-type: none"> <li>Individual Department Read</li> </ul>	X	Depress the required Dept Keys , one by one, [ST] may be used to obtain sub-total, [AT/TL] to end. ]11 [AT/TL] (Drawer opens.)	21
X11 Z11	<ul style="list-style-type: none"> <li>All department Read</li> <li>All department Reset</li> </ul>	X Z		22
X12	ALL MEDIA SALES TOTAL AND CASH-IN-DRAWER READ	X		[#] (Drawer opens)
X13 Z13	PLU READ AND RESET <ul style="list-style-type: none"> <li>Zone PLU Read</li> <li>Zone PLU Reset</li> </ul>	X Z	Zone- start PLU Code   [ @/FOR ]   Zone-end PLU Code   [PLU]	23
X13 Z13	<ul style="list-style-type: none"> <li>All PLU Read</li> <li>All PLU Reset</li> </ul>	X Z		[PLU]
X14	PLU STOCK READ <ul style="list-style-type: none"> <li>Zone PLU Stock</li> <li>All PLU Stock</li> </ul>	X X	Followed by operation of [STOCK] → Zone PLU Read/Reset [STOCK] → All PLU Read/Reset	24 24
X20	Inactive PLU Read	X	0 [#] → [PLU]	24

-- To be continued --

REPORT HEADER	REPORT NAME	MODE LOCK	KEY OPERATION	SAMPLE PAGE
	DEPARTMENT AND PLU ABC ANALYSIS READ			
X21	<ul style="list-style-type: none"> <li>Best Selling Departments in Quantity</li> </ul>	X	1 [#] (   Ending Rank No.   ) [AT/TL]	25
X21	<ul style="list-style-type: none"> <li>Best Selling PLUs in Quantity</li> </ul>	X	1 [#] →(( [SHIFT] ) [DEPT]) → (   Ending Rank No.   ) [PLU]	25
X22	<ul style="list-style-type: none"> <li>Worst Selling Departments in Quantity</li> </ul>	X	3 [#] (   Ending Rank No.   ) [AT/TL]	26
X22	<ul style="list-style-type: none"> <li>Worst Selling PLUs in Quantity</li> </ul>	X	3 [#] →(( [SHIFT] ) [DEPT]) → (   Ending Rank No.   ) [PLU]	26
X23	<ul style="list-style-type: none"> <li>Best Selling Departments in Amount</li> <li>Best Selling PLUs in Amount</li> </ul>	X	2 [#] (   Ending Rank No.   ) [AT/TL]	25
		X	2 [#] →(( [SHIFT] ) [DEPT]) → (   Ending Rank No.   ) [PLU]	25
X24	<ul style="list-style-type: none"> <li>Worst Selling Departments in Amount</li> </ul>	X	4 [#] (   Ending Rank No.   ) [AT/TL]	26
X24	<ul style="list-style-type: none"> <li>Worst Selling PLUs in Amount</li> </ul>	X	4 [#] →(( [SHIFT] ) [DEPT]) → (   Ending Rank No.   ) [PLU]	26

## GT Reports — to be taken on weekly or monthly basis —

(Mode Lock: any position)

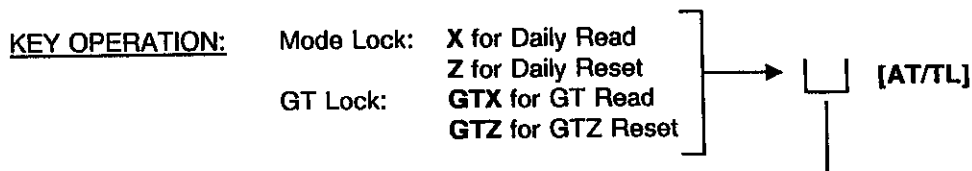
REPORT HEADER	REPORT NAME	GT LOCK	KEY OPERATION	SAMPLE PAGE
	(Except the Mode Lock and GT Lock positions, the key operations for each report is the same as its corresponding daily report, except for Cashier Reports.)			27
GTX03 GTZ03	FINANCIAL GT READ AND RESET <ul style="list-style-type: none"> <li>• Financial GT Read</li> <li>• Financial GT Reset</li> </ul>	GTX GTZ	3 [AT/TL] (Drawer opens)	27
GTX04 GTZ04	CASHIER GT READ AND RESET <ul style="list-style-type: none"> <li>• All Cashier GT Read</li> <li>• All Cashier GT Reset</li> </ul>	GTX GTZ	4 [AT/TL] (Drawer opens)	27
GTX06	CREDIT CARD COMPANY SALES GT READ	GTX	6 [AT/TL]	27
GTX07	DEPARTMENT GROSS PROFIT GT READ	GTX	7 [AT/TL]	27
GTX08	DEPARTMENT GROUP GT READ	GTX	8 [AT/TL]	27
GTX11 GTZ11	DEPARTMENT GT READ AND RESET <ul style="list-style-type: none"> <li>• All Department GT Read</li> <li>• All Department GT Reset</li> </ul>	GTX GTZ	11 [AT/TL]	27
GTX21	DEPARTMENT AND PLU ABC ANALYSIS GT READ <ul style="list-style-type: none"> <li>• Best Selling Departments in Quantity</li> </ul>	GTX	Same as its daily report.	27
GTX22	<ul style="list-style-type: none"> <li>• Worst Selling Departments in Quantity</li> </ul>	GTX	Same as its daily report.	
GTX23	<ul style="list-style-type: none"> <li>• Best Selling Departments in Amount</li> </ul>	GTX	Same as its daily report.	
GTX24	<ul style="list-style-type: none"> <li>• Worst Selling Departments in Amount</li> </ul>	GTX	Same as is daily report	

## Combination Reports

Multiple reports can be programmed to be issued in one operation sequence. The following are reports programmable for combinations (max. 5 reports in one table, max. 3 tables).

Please inquire this report programming of your TEC representative.

REPORT NO.	REPORT NAME	AVAILABLE MODE			
3	Financial Report	X,	Z,	GTX,	GTZ
4	All Cashier Report (GT only)			GTX,	GTZ
5	All Salesperson Report	X,	Z,		
6	Credit Company Sales Report	X,		GTX	
7	Department Gross Profit Report	X,		GTX	
8	Department Group Report	X,		GTX	
9	Media Sales and In-drawer Report	X,			
10	Hourly Range Report	X,	Z,		
11	All Department Report	X,	Z,	GTX,	GTZ



Enter the Report Combination-ID No.:

None (simply depress [AT/TL]): Combination Report Table No. 1

1: Combination Report Table No. 2

2: Combination Report Table No. 3

**NOTE:** When the mode set for taking combination reports does not match the mode of a report contained in the table, that report will be skipped.

If no combination reports data have been programmed, Combination Report Table No. 1 (which is issued by depressing the [AT/TL] key alone) is auto-preset with Report No. 11 (All Depts) and Report 3 (Financial). It will be active as Table No. 1 content unless no data are programmed for Table No. 1.

The report output order is determined by the order programmed in each table.

The drawer will open when a contained report is ruled to open the drawer.

## GENERAL NOTES ON REPORT TAKINGS

1. In the CASHIER KEY Method, no Cashier Keys are necessary to issue reports except Individual Cashier Read or Reset Reports (daily).
2. In the CASHIER SIGNING Method, the cashier signed-OFF condition is required for taking any X or Z reports. (Otherwise, an error will result when the Mode Lock is turned to the "X" or "Z" position or when the GT Lock is turned to the "GTX" or "GTZ" position.)
3. Reset reports will be printed on the receipt roll as well as on journal, and issued, regardless of the [RECEIPT ON/OFF] switch position.
4. The [ITEM CORR] key may be depressed halfway during printing a report, for the purpose to abort the receipt issuance (except for some short reports). When a report-abort has been operated for a reset report, the memory of the report data will not be cleared.
5. The drawer will open at the starting of printing the reports which are stated with "(Drawer opens)" in the Daily and GT report table. However, the drawer may remain closed if so selected by a program option.
6. The sales data of the following read reports will be cleared when the relevant reset reports are cleared. If those read reports are necessary, please be certain to take them before the relevant reset reports are taken:

**FINANCIAL READ AND RESET**

Mode Lock: X for read ] Enter 3, depress [AT/TL]  
 Mode Lock: Z for reset ]

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again  
 PHONE: 87-6437

09-21-90 #111101

**X03**

<b>GT</b>	\$589.04	Grand Total
<b>TRAINING</b>	\$5.83	Training Mode Gross Sale
<b>GS</b>	177	Gross Sale Item Count
	\$589.04	Gross Sale Amount
<b>Z+</b>	1	Percent Charge Count
	\$0.58	Percent Charge Amount
<b>TAX1</b>	\$26.87	Tax 1 Amount
<b>TAX2</b>	\$4.61	Tax 2 Amount
<b>TAX3</b>	\$0.00	Tax 3 Amount
<b>TAX4</b>	\$0.75	Manual Tax Amount
<b>NS2</b>	168	Net Sale With Tax Item Count
	\$556.51	Net Sale With Tax Amount
<b>CHG TIP</b>	2	Charge Tip Count
	\$2.00	Charge Tip Amount
<b>Z-</b>	0	Percent Discount Count ] on Subtotal
	\$0.00	Percent Discount Amount ]
<b>V.CPN</b>	1	Vendor Coupon Count
	\$2.00	Vendor Coupon Amount
<b>DISC</b>	2	Dollar Discount Count
	\$2.00	Dollar Discount Amount
<b>BTR</b>	1	Bottle Return Count
	\$1.00	Bottle Return Amount
<b>TOTAL</b>	49CU	All-Media Sales Customer Count
	\$549.83	All-Media Sales Amount
<b>CASH</b>	29CU	Cash Sales Customer Count
	\$331.65	Cash Sales Amount
<b>CHECK</b>	6CU	Check Sales Customer Count
	\$45.02	Check Sales Amount

-- To be continued --



## FINANCIAL READ AND RESET

-- Continued --

Chg	8CU	Charge Sales Customer Count	
	\$111.28	Charge Sales Amount	
MISC	4CU	Misc. Sales Customer Count	
	\$58.55	Misc. Sales Amount	
CPN	0CU	Media-Coupon Sales Customer Count	
	\$4.50	Media-Coupon Sales Amount	
CRT TL1	2CU	Credit 1 Sales Customer Count	
	\$12.30	Credit 1 Sales Amount	
FS TL	0CU	Food Stamp Sales Customer Count	
	\$0.00	Food Stamp Sales Amount	
R/A	2	Received-on-Account Count	
	\$8.00	Received-on-Account Amount	
PO	2	Paid-Out Count	
	\$5.50	Paid-Out Amount	
CASH ID	\$249.65	Cash-in-Drawer Amount	
CHECK ID	7	Check-in-Drawer Count	
	\$83.00	Check-in-Drawer Amount	
MISC ID	5	Misc.-in-Drawer Count	
	\$70.00	Misc.-in-Drawer Amount	
CPN ID	2	Media-Coupon-in-Drawer Count	
	\$4.50	Media-Coupon-in-Drawer Amount	
FSID	0	Food Stamp-in-Drawer Count	
	\$0.00	Food Stamp-in-Drawer Amount	
FS CG	\$0.00	Food Stamp-Change Amount	
TIP PAID	1	Tip Paid Count	
	\$1.00	Tip Paid Amount	
CORR	1	Item Correct Count	
	\$3.00	Item Correct Amount	
VOID	1	Void Count	
	\$9.00	Void Amount	
MISC VD	0	Misc. Void Count	
	\$0.00	Misc. Void Amount	
ALL VD	1	All Void Count	
	\$6.00	All Void Amount	
%-	3	Percent Discount Count	
	\$0.08	Percent Discount Amount	on Line Items
S. CPN	1	Store Coupon Count	
	\$1.00	Store Coupon Amount	
RTN	1	Returned Merchandise Count	
	\$5.00	Returned Merchandise Amount	
-TAX	\$0.00	Negative Tax Amount	
REG-	1	Negative Mode (☐) Count	
	\$6.45	Negative Mode (☐) Total Amount	

-- To be continued --

## FINANCIAL READ AND RESET

-- Continued --

TRF+	-13.47	Transfer + Daily
TRF-	\$0.00	Transfer - Daily
PB TL	0CU	Previous Balance Sales Customer Count
	-13.47	Previous Balance Sales Amount
TXBL1	\$475.38	Taxable Total 1
TXBL2	\$91.58	Taxable Total 2
TXBL3	\$0.00	Taxable Total 3
SI1 TL	2	Selective Itemizer 1 Count
	-1.68	Selective Itemizer 1 Amount
TAX EX	2CU	Tax Exempted Customer Count
TAX1EX	\$11.80	Tax 1 Exempt Amount
TAX2EX	\$0.50	Tax 2 Exempt Amount
TAX3EX	\$0.00	Tax 3 Exempt Amount
CUR1	1	Foreign Currency 1-in-Drawer Count
	60.00	Foreign Currency 1-in-Drawer Amount
CUR2	1	Foreign Currency 2-in-Drawer Count
	30.00	Foreign Currency 2-in-Drawer Amount
CUR3	1	Foreign Currency 3-in-Drawer Count
	10.00	Foreign Currency 3-in-Drawer Amount
ITEM/CUS	3.43	Sales Item Count per Customer
NS /CUS	\$11.36	Net Sale Amount per Customer
NO SALE	1	No-Sale Count
VALI CTR	4	Validation Count
0121 17:40TM		

**CASHIER READ AND RESET**

```

X04
01 JONES
GS          170
           $563.30
TAX         $30.79
NS2         161
           $532.77
CHG TIP     0
           $0.00
V.CPN       1
           $2.00
TOTAL      46CU
           $524.09
R/A         2
           $8.00
PD          2
           $5.50
LDAN       $195.00
PICK UP     1
           $300.00
CASH ID     $146.44
CHECK ID    5
           $43.00
MISC ID     5
           $70.00
CPN ID      2
           $4.50
FSID        0
           $0.00
TIP PAID    0
           $0.00
NEG1        $30.53
NEG2        $3.00
CUR1        1
           60.00
CUR2        1
           30.00
CUR3        1
           10.00
ITEM/CUS    3.5
NS /CUS     $11.58
NO SALE     1
           0122 17:41TM
    
```

Mode Lock: X for read  
 Mode Lock: Z for reset

CASHIER SIGNING Method:  
 Enter the 2-digit Cashier ID Code,  
 (manager-assigned portion), deperss  
**[LOG]**.

Cashier ID Code, Cashier's Name  
 Gross Sale Item Count  
 " " Amount  
 Tax Amount  
 Net Sale With Tax Item Count  
 " " Amount  
 Charge Tip Count  
 Charge Tip Amount  
 Vendor Coupon Count  
 " " Amount  
 All-media Sales Customer Count/Amount  
 Received-on-Account Count  
 " " Amount  
 Paid-Out Count  
 " " Amount  
 Loan Amount  
 Pick Up Amount  
 Cash-in-drawer Amount  
 Check-in-drawer Count  
 " " Amount  
 Misc-in-drawer Count  
 " " Amount  
 Media-Coupon-in-drawer Count  
 " " Amount  
 Food Stamp-in-drawer Count  
 " " Amount  
 Tip Paid Count  
 Tip Paid Amount  
 Negative Data 1  
 Negative Data 2  
 Foreign Currency 1-in-Drawer Count  
 Foreign Currency 1-in-Drawer Amount  
 Sales Item Count per Customer  
 Net Sale Amount per Customer (Net Sale Without Tax)  
 No-Sale Count

CASHIER KEY Method:  
 Set the Cashier Key of the required  
 cashier, 4 **[AT/TL]**.

**SALESPERSON READ AND RESET**

Mode Lock: X for read ] 5 [AT/TL  
Mode Lock: Z for reset ]

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

09-21-90 #111101

          X05
01 White
NS2           4
              $11.40

02 Stacy
NS2           12
              $12.28

03 Mehl
NS2           1
              $2.00

0123 17:41TM

```

Salesperson Code, Name  
Net Sale With Tax  
Item Count, Amount

**CREDIT CARD COMPANY SALES READ (Read only)**

Mode Lock: X , 6 [AT/TL]

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

09-21-90 #111101

          X06
01 ABC           1
                $34.87
02 DEF           1
                $12.27
03 GHI           1
                $8.21

0144 18:06TM

```

Individual  
Company Code, Name  
SaleCount, Sales Amount

**ALL MEDIA SALES TOTAL AND CASH-IN-DRAWER READ (Read only)**

Mode Lock: X , [#]

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

09-21-90 #111101

          X12
TOTAL           49CU
                $549.83
CASH ID         $249.65

0124 17:42TM

```

All-media Sales  
Cus. Count/Amount  
Cash-in-drawer Amount

**DEPARTMENT GROSS PROFIT READ**

Mode Lock: X, 7 [AT/TL]

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again  
 PHONE: 87-6437

09-21-90 #111101

**X07**

MEAT	20%	\$55.69
SALAD	10%	\$0.64
<b>TOTAL</b>	<b>10.76%</b>	<b>\$56.33</b>

0125 17:42TM

Dept Name

Gross Profit Rate,  
 \* \* Amount

Average Gross Profit Rate,  
 Total Gross Profit Amount

**DEPARTMENT GROUP READ**

Mode Lock: X, 8 [AT/TL]

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again  
 PHONE: 87-6437

09-21-90 #111101

**X08**

ME & FI	47	66.81%	\$352.95
SA & SO	25	3.66%	\$19.35
DRINK	49	14.05%	\$74.22
DA & DE	17	7.72%	\$40.80
BA & CA	12	3.38%	\$17.88
SN & SP	5	0.68%	\$3.60
OTHERS	2	3.69%	\$19.50
<b>TOTAL</b>	<b>157</b>		<b>\$528.30</b>

0126 17:43TM

Group Name, Item Count  
 Sales Ratio, Amount

Total Count, Amount

**MEDIA SALES AND IN-DRAWER  
TOTAL READ**

**HOURLY RANGE READ AND RESET**

Mode Lock: X , 9 [AT/TL]

Mode Lock: X for read ] 10 [AT/TL  
Mode Lock: Z for reset ]

<b>X09</b>	
TOTAL	49CU
	\$549.83
CASH	29CU
	\$331.65
CHECK	6CU
	\$45.02
Chg	8CU
	\$111.28
MISC	4CU
	\$58.55
CPN	0CU
	\$4.50
CRT TL1	2CU
	\$12.30
FS TL	0CU
	\$0.00
CASH ID	\$249.65
CHECK ID	7
	\$83.00
MISC ID	5
	\$70.00
CPN ID	2
	\$4.50
FSID	0
	\$0.00
FS C6	\$0.00
TIP PAID	1
	\$1.00
PB TL	0CU
	-13.47
CUR1	1
	60.00
CUR2	1
	30.00
CUR3	1
	10.00
0127 17:43TM	

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
PHONE: 87-6437	
09-21-90 #111101	
<b>X10</b>	
08:00TM	22
5CU	\$68.63
12:00TM	63
18CU	\$256.63
15:00TM	83
28CU	\$231.25
19:00TM	
0128 17:43TM	

Up to 8:00  
No sales data is recorded.  
8:00 to 12:00  
Customer Count, Sales Amount  
12:00 to 15:00  
Customer Count, Sales Amount  
15:00 to 19:00  
Customer Count, Sales Amount  
19:00 to 24:00  
No sales data is recorded.

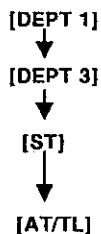
**DEPARTMENT READ AND RESET**  
**Individual Department READ**

Sample Operation for  
 taking this Sample  
 report :

Mode Lock : X

Mode Lock : X

Depress the required Dept Keys, one by  
 one, [ST] may be used to obtain sub-total,  
 [AT/TL] to end.



```

TEC STORE
    1343 PEACH DRIVE
    PHONE: 87-6437

    Thank you
                Call again
    PHONE: 87-6437

    09-21-90   #111101

                X

    MEAT           36
                  $278.45
    SALAD          11
                  $6.40
    SUBTL          47
                  $284.85

    TOTAL          47
                  $284.85

                0129 17:44TM
    
```

Department Name, Item Count  
 Amount

Total Count  
 Amount

All Department Read and Reset

Mode Lock: X for read ] 11 [AT/TL  
 Mode Lock: Z for reset ]

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again  
 PHONE: 87-6437

09-21-90 #111101

**X 1 1**

MEAT	36
53.17%	\$278.45
FISH	11
14.23%	\$74.50

---

SPICE	5
0.69%	\$3.60
OTHERS	1
0.57%	\$3.00
DP 13	1
0.48%	\$2.50
DP 14	0
	\$0.00
DP 15	4
	\$14.00
BTL DEPO	4
0.40%	\$2.10

---

TOTAL	168
	\$523.70
-TOTAL	0
	\$0.00

---

MEAT	20%	\$55.69
SALAD	10%	\$0.64
TOTAL	10.76%	\$56.33

0130 17:45TM

Read Report Sample

Department Name, Item Count  
 Sales Ratio , Amount

Item Count ] of all the departments total  
 Amount ]

Item Count ] of all the negative departments total  
 Amount ]

Gross Profit Rate, Amount

Average Gross Profit Rate,  
 Total Gross Profit Amount



**PLU READ AND RESET**

**All PLU Read and Reset**

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437  
  
 Thank you  
                     Call again  
 PHONE: 87-6437  
  
 09-21-90 #111101  
  
                     **X 13**  
 0001 BEEF STEAK  
     6          \$69.00  
 0002 PORK SAUTE  
     3          \$13.50  
 0003 HAMB. STEAK  
     5          \$37.50  
 0004 FRD CHIKEN  
     4          \$18.00  
 0005 BEEF STK SET  
     7          \$101.50  
 0006 HAMB. STK SET  
  
 -----  
 0081 RYE BREAD  
     2          \$2.40  
 0090 TUNA CAN  
     4          \$2.00  
 0100 POTATO CHIPS  
     3          \$4.50  
 0101 CHEWING GUM  
     6          \$2.40  
 0110 BLACK PEPPER  
     3          \$1.50  
 0111 NUTMEG  
     1          \$0.60  
 0160 PLU0160  
     2          \$0.10  
  
 TOTAL                  125  
                           \$429.53  
  
                           0131 17:46TM

Mode Lock : X  
           for read, or  
 Mode Lock : Z  
           for reset  
 [PLU]

PLU Code, Name  
 Item Count, Amount

**Zone PLU Read and Reset**

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437  
  
 Thank you  
                     Call again  
 PHONE: 87-6437  
  
 09-21-90 #111101  
  
                     **X 13**  
                     0100~0150  
 0100 POTATO CHIPS  
     3          \$4.50  
 0101 CHEWING GUM  
     6          \$2.40  
 0110 BLACK PEPPER  
     3          \$1.50  
 0111 NUTMEG  
     1          \$0.60  
  
 TOTAL                  13  
                           \$9.00  
  
                           0132 17:47TM

Read Report Sample

Sample Operation

Mode Lock : X  
     100 [ @FOR ]  
     150 [ PLU ]

Zone-start PLU Code  
 ~ Zone-end PLU Code

**PLU STOCK READ (Read only)**  
**All PLU Stock Read**

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
      Call again
PHONE: 87-6437

09-21-90  #111101

      X14
0053 Coke Small-B      18
0090 TUNA CAN          4
0091 SOUP CAN          0
0100 POTATO CHIPS      3
0101 CHEWING GUM       6
0110 BLACK PEPPER      3
0111 NUTMEG            1

0133 17:47TM
    
```

Mode Lock : X  
 [STOCK]  
 [PLU]

PLU Code, PLU Name  
 Stock Q'ty

**Zone PLU Stock Read**

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
      Call again
PHONE: 87-6437

09-21-90  #111101

      X14
0050~0100
0053 Coke Small-B      18
0090 TUNA CAN          4
0091 SOUP CAN          0
0100 POTATO CHIPS      3

0134 17:48TM
    
```

Operation Sample:  
 Mode Lock : X  
 [STOCK]  
 50 [FOR]  
 100 [PLU]

Zone-start PLU Code~  
 Zone-end PLU Code

**Inactive PLU Read**

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
      Call again
PHONE: 87-6437

09-21-90  #111101

      X20
#0
0031 FRUIT SALAD
0071 ICE CAKE
0091 SOUP CAN

0135 17:49TM
    
```

Mode Lock: X  
 0 [#] → [PLU]

PLU Code  
 PLU Name

**DEPARTMENT AND PLU ABC ANALYSIS READ (Read only)**  
 (In the following samples, Rank No.3 are designated.)

Best Selling in Quantity			Departments	Best Selling in Amount			Departments
09-21-90 #111101				09-21-90 #111101			
X21				X23			
#1	DRINK			#2	MEAT		
Item Name	Rank No.		Item Count				
1		45		1		36	
		\$72.12	Customer Count,			\$278.45	
			Amount				
	MEAT				FISH		
	2	36		2		11	
		\$278.45				\$74.50	
	SOUP				DRINK		
	3	14		3		45	
		\$12.95				\$72.12	
	TOTAL	95			TOTAL	92	
	69.41%	\$363.52			81.17%	\$425.07	
		0136 17:51TM				0151 17:44TM	
09-21-90 #111101			PLUs	09-21-90 #111101			PLUs
X21				X23			
#1	Coke Small-B			#2	BEEF STK SET		
1		18		1		7	
		\$12.60				\$101.50	
	COFFEE				BEEF STEAK		
	2	13		2		6	
		\$15.00				\$69.00	
	CORN SOUP				HAMB. STEAK		
	3	10		3		5	
		\$7.50				\$37.50	
	TOTAL	41			TOTAL	18	
	9.26%	\$35.10			48.43%	\$208.00	
		0137 17:51TM				0141 17:53TM	

**Worst Selling In Quantity**

**Worst Selling In Amount**

Departments

09-21-90 #111101	
X22	
#3	
OTHERS	
1	1
	\$3.00
DP 13	
2	1
	\$2.50
BTL DEPO	
3	4
	\$2.10
TOTAL	
	6
1.45%	\$7.60
0139 17:52TM	

Departments

09-21-90 #111101	
X24	
#4	
BTL DEPO	
1	4
	\$2.10
DP 13	
2	1
	\$2.50
OTHERS	
3	1
	\$3.00
TOTAL	
	6
1.45%	\$7.60
0142 17:53TM	

PLUs

09-21-90 #111101	
X22	
#3	
HAMB. STK SET	
1	1
	\$11.50
SALMON SLICE	
2	1
	\$9.50
VEGIT. SOUP	
3	1
	\$2.70
TOTAL	
	3
6.25%	\$23.70
0138 17:51TM	

PLUs

09-21-90 #111101	
X24	
#4	
PLU0160	
1	2
	\$0.10
DOUNUTS	
2	2
	\$0.48
NUTMEG	
3	1
	\$0.60
TOTAL	
	5
0.27%	\$1.18
0143 17:53TM	

**NOTE :**  
 In Worst Selling reports, departments or PLUs with sales data zero or negative are excluded.

## GT REPOORTS

As for GT reports, refer to the TABLE OF OPERATIONS FOR X AND Z REPORTS, GT Reports.

In GT reports, the contents and print formats are the same as their corresponding daily reports, except that:

- "GT" is added to the report header:  
Example: "X11"       $\longrightarrow$       "GTX11"
- In some GT reports, some total memories are not provided.

Please determine the timing of each GT reset report takings. If the store wants, for example, a monthly data report, operate the required GTZ report once a month on a certain data designated by the store, while GTX reports for the same data may be taken any number of times.

## 5.PROGRAMMING OPERATIONS

This chapter is provided for the store programmer or the store manager who may have to change the programmed data of the FDS-30 series ECR on a 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 TEC representative. However, to change or add program data, please refer to this chapter.

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## BASIC KEY FUNCTIONS AND KEYBOARD VARIATIONS IN PROGRAMMING OPERATIONS

### Basic Key Functions

1. The following are main keys and their functions to be used in programming operations:
  - [X]** or **[@/FOR]** Used to enter the program Submode No. The **[X]** key is usually labeled as **[@/FOR]** on the ECR keyboard.
  - [ST]** Used to enter the Address No. or Item Code. Also used to end the item data entries.
  - [#]** Used to enter data for the address or item. Each character code is also entered through this key.
  - [AT/TL]** Used to end the entire program Submode sequence.
2. Functions of the **[C]** key:
  - When an entered program data is already printed, the **[C]** key cannot clear it any longer. To correct the data, re-enter it.
  - Before the entered data is printed, the data may be cleared by the **[C]** key except in the SFKC PROGRAMMING OPERATION).

### Keyboard Variations in Programming Operations

The FDS-30 adopts a Flat Keyboard.

The Flat Keyboard can be used with the "Setting Mode Key Layout" template placed on the Flat Keyboard in the following programming operations which contain character settings :

- Store Name / Message and Commercial Message Programming (Submode 1)
- Cashier Code and Name Programming (Submode 2)
- Department Table Programming or Changing (Submode 3)
- PLU Table Programming or Changing (Submode 4)
- Salesperson Code and Name Programming (Submode 20)

However, other operations (which do not contain character settings) should be operated with the ordinary "REG" mode key layout (i.e. with "Setting Mode Key Layout" template removed).

- NOTE :**
1. If an option keyboard (PK-2) is connected, the DIRECT CHARACTER ENTRY method is allowed through both the ECR Keyboard and the option keyboard for the operations listed above.
  2. Whether the "REG" mode key layout or the "Setting Mode Key Layout" will be active is determined by the Mode Lock position and the Submode No. entry through the **[@/FOR]** (or **[X]**) key. Therefore, the program Submode No. entry and the **[@/FOR]** key depression must be operated in the "REG" mode Key Layout. That is, if the locations of the **[@/FOR]** (or **[X]**) key is different from that in the "Setting Mode Key Layout", key-ins up to the Submode No. entry and the **[@/FOR]** key depression must be operated on the "REG" mode key layout, and then the "Setting Mode Key Layout" template should be inserted.
  3. Any character not found in "Setting Mode Key Layout" should be programmed by following the CHARACTER CODE ENTRY procedure. (Characters on the key sheet can also be programmed by following this procedure.)

## CHARACTER ENTRIES

As already stated, there are two methods of operations for character settings for names or messages: CHARACTER CODE ENTRY Method and DIRECT CHARACTER ENTRY Method.

### CHARACTER CODE ENTRY METHOD

This method is to set a character by entering a Character Code and depressing the [#] key. Input from the ECR keyboard only is possible (not possible from the PK-2)

### DIRECT CHARACTER ENTRY METHOD

- Flat Keyboard with the "Setting Mode Key Layout" template.
- PK-2 Keyboard (Menu Code-preset Keyboard ; hardware option)

By using the character keys on those keyboards, the characters are directly entered. In this manual, sample operations are attached to most of the programming operations. And at name or message programming portions, character entries are shown in the DIRECT CHARACTER ENTRY method. For example, instead of merely pressing the character key "A", keys can also be indexed as 401 [#] (To enter the character "A") on the above two keyboards.

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

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



## CHARACTER CODE ENTRY METHOD

Character Code Table 1: Standard Characters

		Column Code →													
		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Row Code ↓	00		0	@	P	~	p	Ä	ú	///	-	タ	ミ	□	∅
	01	!	1	A	Q	a	q	Ö	ß	。	ア	チ	ム	≡	二
	02	"	2	B	R	b	r	Ü	æ	「	イ	ツ	メ	★	三
	03	#	3	C	S	c	s	ä	œ	」	ウ	テ	モ	◇	四
	04	\$	4	D	T	d	t	ö	Æ	、	エ	ト	ヤ	Kg	五
	05	%	5	E	U	e	u	ú	Œ	+	オ	ナ	ユ	\	六
	06	&	6	F	V	f	v	ç	ç	ヲ	カ	ニ	ヨ	lb	七
	07	'	7	G	W	g	w	é	f	ア	キ	ヌ	ラ	II	八
	08	(	8	H	X	h	x	è	Σ	イ	ク	ネ	リ	III	九
	09	)	9	I	Y	i	y	â	÷	ウ	ケ	ノ	ル	IV	十
	10	*	:	J	Z	j	z	ê	→	エ	コ	ハ	レ	VI	No
	11	+	;	K	[	k	{	Ñ	←	オ	サ	ヒ	ロ	VII	Å
	12	,	<	L	¥	l		ñ	↓	ヤ	シ	フ	ワ	IX	â
	13	-	=	M	]	m	}	á	↑	ユ	ス	ヘ	ン	II	Ð
	14	.	>	N	^	n	~	ó	½	ヨ	セ	ホ	"	III	
15	/	?	O	_	o	□	í	¼	ツ	ソ	マ	°	—		

**Character Setting Operations:**

- To set a regular-sized character, enter the COL (column) code and then the ROW code, followed by the [#] key.

ex.) To set "%", enter 205 and depress [#].  
To set "Kg", enter 1404, and depress [#].

- To set a blank instead of a character, simply depress [#] without a prior code entry, or enter 200 and depress [#].
- Depress the [X] key once prior to a regular-sized character entry, and it will be a double-sized character (a blank will also be double-sized).

ex.) To set "GROUP", "G" in double-sized, and "ROUP" in regular-sized:

[X]	407	[#]	502	[#]	415	[#]	505	[#]	500	[#]
G			R		O		U		P	

- Depress the [X] key twice prior to the first character code entry to set the entire message line or enter name with all double-sized characters.

ex.) To set "GROUP" all in double-sized:

[X]	[X]	407	[#]	502	[#]	415	[#]	505	[#]	500	[#]
		G		R		O		U		P	
All Double-sized Declaration											

Character Code Table 2: Kanji Characters

The character setting operations are the same as described for Character Code Table 1, except that:

Each of these characters enters in the regular-sized character sequence, but the character will automatically be printed in double-sized.

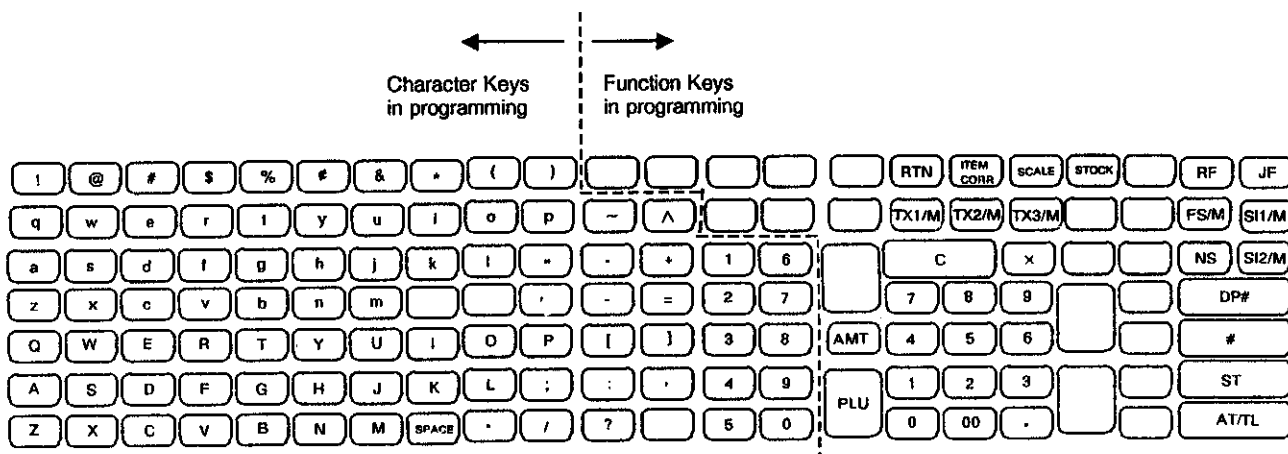
**NOTE:** These characters may only be accessed by the CHARACTER CODE ENTRY method, but not by the DIRECT CHARACTER CODE ENTRY method.

		Column Code →						
		22	23	24	25	26	27	28
Row Code ↓	00	合	値	非	門	商	繰	算
	01	計	引	課	受	上	果	検
	02	現	割	税	免	品	総	純
	03	小	個	万	料	名	科	瓶
	04	預	券	買	年	訂	目	奉
	05	釣	取	責	月	人	込	仕
	06	掛	消	振	日	外	々	過
	07	売	客	中	PLU	大	本	不
	08	戻	点	止	伝	安	荷	足
	09	替	回	終	SKU	仕	特	利
	10	入	数	了	自	控	送	用
	11	金	単	代	組	基	越	-
	12	内	価	正	収	礎	額	
	13	返	円	残	前	除	他	
	14	支	在	会	設	定	社	
	15	払	高	部	室	信	精	

## DIRECT CHARACTER ENTRY METHOD

### Using ECR Keyboard

-- Setting Mode Key Layout --



**Character Keys :** Simply depress the key to enter the character. (The [#] key should not be followed.). The numerics 1 to 0 (characters in programming) are entered as characters 1 to 0 but not as codes for Department Codes, etc.

The One Double-size Declaration (by depressing [X] key once prior to the required character) and the All Double-size Declaration (by depression [X] twice before the characters) are the same as in the CHARACTER CODE ENTRY method.

**Function Keys :** These are function keys to be used in programming operations with the Setting Mode Key Layout. The Numeric Keys here are used to enter Department Codes, etc. or numeric values as program data, but not to enter the numerics as characters.

### Using PK-2 (PLU Keyboard; hardware option)

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

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

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

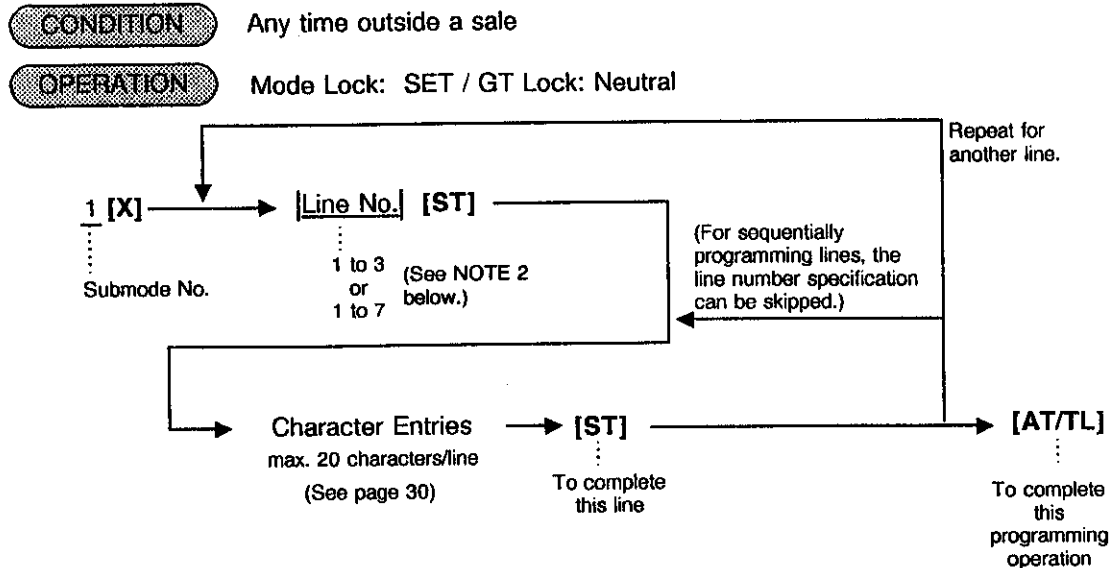
Unlike the TKB-1, all the function keys, such as [X], [ST], [#], [AT/TL], etc. must be operated on the ECR side. Any characters not listed on the template may be entered by the CHARACTER CODE ENTRY method on the ECR keyboard (the characters even listed on the template may be entered as well by that method).

Please note also that the keys "0" to "9" in the figure below function as character keys but do not function for code entries. Any code entries, for Item Codes, Address Nos, etc. must be entered through the Numeric Keys on the ECR keyboard.

The One Double-size Declaration (by depressing the [X] key once prior to the required character) and the All Double-sized Declaration (by depressing [X] twice before all the characters) are the same as in the CHARACTER CODE ENTRY method.

										7	8	9
										4	5	6
										1	2	3
!	@	#	\$	%	ç	&	*	(	)		0	
q	w	e	r	t	y	u	i	o	p	-	^	
a	s	d	f	g	h	j	k	l	"	_	+	
z	x	c	v	b	n	m			`	-	=	
Q	W	E	R	T	Y	U	I	O	P	[	]	
A	S	D	F	G	H	J	K	L	;	:	,	
Z	X	C	V	B	N	M	space	.	/	?		

## STORE NAME /MESSAGE AND COMMERCIAL MESSAGE PROGRAMMING OR CHANGING (Submode No. 1)



- NOTES**
- For each line, a maximum of 20 regular-sized characters or 10 double-sized characters may be entered. A combination of both types is also available.
  - If the option "Store Name Print by RUBBER STAMP" is selected, no data can be programmed for the store name/message. Therefore, enter 1 to 3 as Line No. for the commercial message data only.  
  
If the option "Store Name Print by DOT PRINTER" is selected, use 1 through 4 for the store name/message and 5 through 7 for the commercial message data, as Line No.
  - If no commercial message is required on the receipt, program blanks for all three lines. As a result no extra lines will be fed. If any one of the three lines is programmed, the two other lines will cause line feeds.
  - The 4-line range assigned for the store name/message will be either printed or fed, regardless of any system option selection.
  - If any incorrect characters have been programmed, depress the [C] key to clear all the characters on a line and then re-enter characters from the beginning, or end the line with an [ST] and re-program the entire line. The new data will be active.
  - When all the lines have been programmed, do a check by issuing a receipt. Only the lines with errors need to be re-programmed; other lines will not be affected.

ex.) To program the following draft as the Store Name/Message and Commercial Message (under the option "Store Name by DOT PRINTER"):

T	E	C					S	T	O	R	E	Line No. 1								
	1	3	4	3			P	E	A	C	H	D	R	I	V	E	Line No. 2			
							P	H	O	N	E	:	8	7	-	6	4	3	7	Line No. 3
																				Line No. 4
							T	h	a	n	k	.	y	o	u					Line No. 5
																				Line No. 6
																				Line No. 7

Store Name/ Message~  
portion, which is replaced by  
a RUBBER STAMP print  
under the option "Store  
Name by RUBBER STAMP".

Commercial Message  
portion.  
Under the option "Store  
Name by RUBBER STAMP",  
the Line Nos will be 1 to 3  
instead of 5 to 7.

OPERATION: Presumed that nothing has been programmed on each line.

Mode Lock; SET, GT Lock: Neutral; enter 1, depress [X].

1 [ST] (Line No.1)

[SPACE]  
[X] T  
[X] E  
[X] C  
[SPACE]  
[SPACE]  
[X] S  
[X] T  
[X] O  
[X] R  
[X] E

[ST] (to complete Line 1)

(2 [ST]) (Line No.2)

[SPACE]  
[SPACE]  
1  
3  
4  
3  
[SPACE]  
P  
E  
A  
C  
H  
[SPACE]  
D  
R  
I  
V  
E

[ST] (to complete Line 2)

(3 [ST]) (Line No.3)

[SPACE]  
[SPACE]  
[SPACE]  
P  
H  
O  
N  
E  
:  
[SPACE]  
8  
7  
-  
6  
4  
3  
7

[ST] (to complete Line 3)

5 [ST] (Line No.5)

T  
h  
a  
n  
k  
[SPACE]  
y  
o  
u

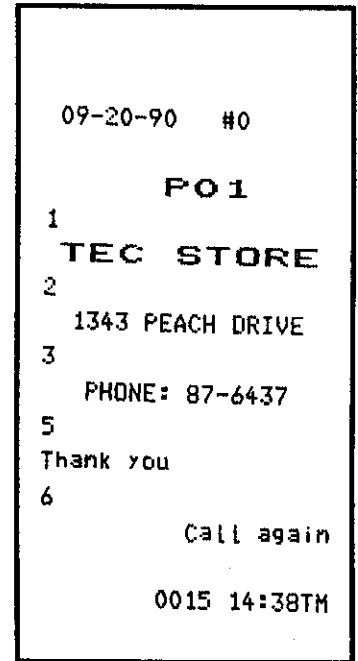
[ST] (to complete Line 5)

(6 [ST]) (Line No.6)

[SPACE]  
[SPACE]  
[SPACE]  
[SPACE]  
[SPACE]  
[SPACE]  
[SPACE]  
[SPACE]  
[SPACE]  
C  
a  
l  
l  
[SPACE]  
a  
g  
a  
i  
n

[ST] (to complete Line 6)

[AT/TL] to complete this  
submode.

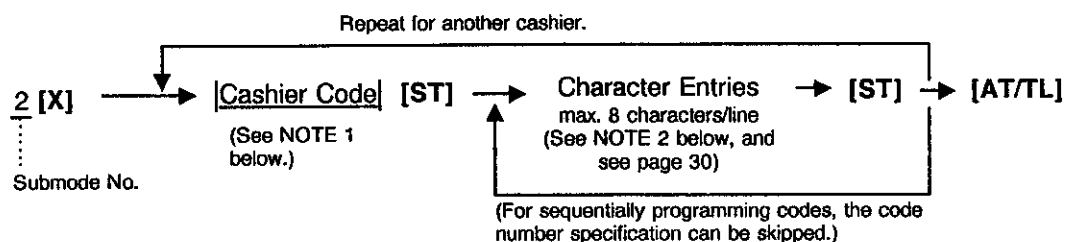


## CASHIER CODE AND NAME PROGRAMMING (Submode No. 2)

### Programming

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock: SET / GT Lock: Neutral



#### NOTES 1. Cashier Code Number:

Push-stay-key Type: 1 to 4

Sign ON/OFF Type: 1 to 99

Max. 10 cashiers for each terminal ; max. 50 cashiers for all the terminals in one in-line system). The code set here will be the manager-assign portion of the entire 4-digit cashier code for Sign ON.

2. For the name of each cashier, a maximum of 8 regular-sized or 4 double-sized characters can be entered. A combination of both types is also available. (At least one character must be entered here.)

ex.) To program

Cashier Code 1 with name "JONES",  
Cashier Code 2 with name "SMITH":

Mode Lock: SET / GT Lock: Neutral  
Enter 2, depress [X].

Enter 1, depress [ST] (Cashier Code)

JONES

Depress [ST] (to end Cashier 1)

Enter 2, depress [ST] (Cashier Code)

SMITH

Depress [ST] (to end Cashier 2)

Depress [AT/TL] to end this program.

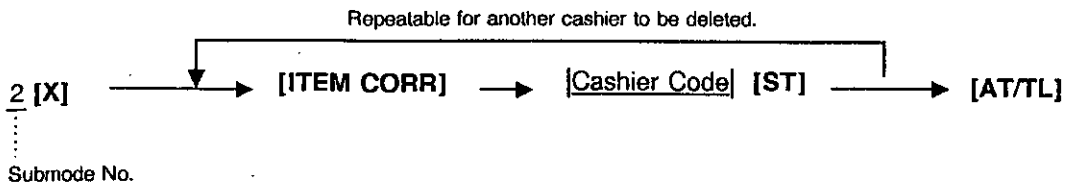
<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
PHONE: 87-6437	
09-20-90 #0	
<b>P02</b>	
01	JONES
02	SMITH
0016 14:47TM	



**Deletion**

**CONDITION** After the Cashier's Daily and GT Resets and his/her Sign OFF

**OPERATION** Mode Lock: SET / GT Lock: Neutral



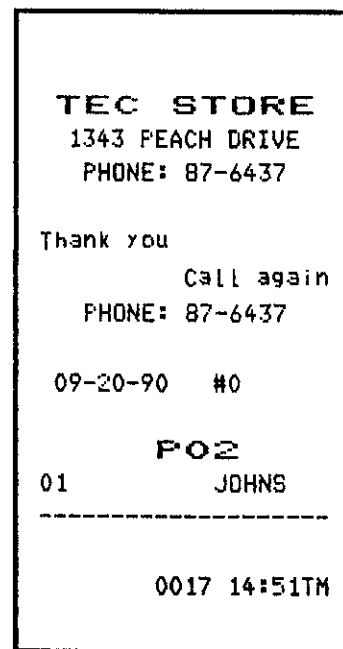
- NOTES**
1. The Cashier Reset Report Count of the deleted cashier will be cleared.
  2. The cashier key or cashier code of the deleted cashier cannot be used or signed-ON for sale entries.

ex.) To delete Cashier Code 1 with name "JONES" that has been programmed in the preceding page:

Mode Lock: SET / GT Lock: Neutral  
Enter 2, depress [X].

Depress [ITEM CORR] (for declaration of deletion)  
Enter 1, depress [ST] (Cashier Code)

Depress [AT/TL] to end this program.



**REMARK:** When a requirement of changing the CASHIER SIGNING Method into CASHIER KEY Method arises, delete all the cashiers from the cashier file memory by operating the "Deletion" described above, before actually using the CASHIER KEYS.

# DEPARTMENT TABLE PROGRAMMING OR CHANGING (Submode No.3)

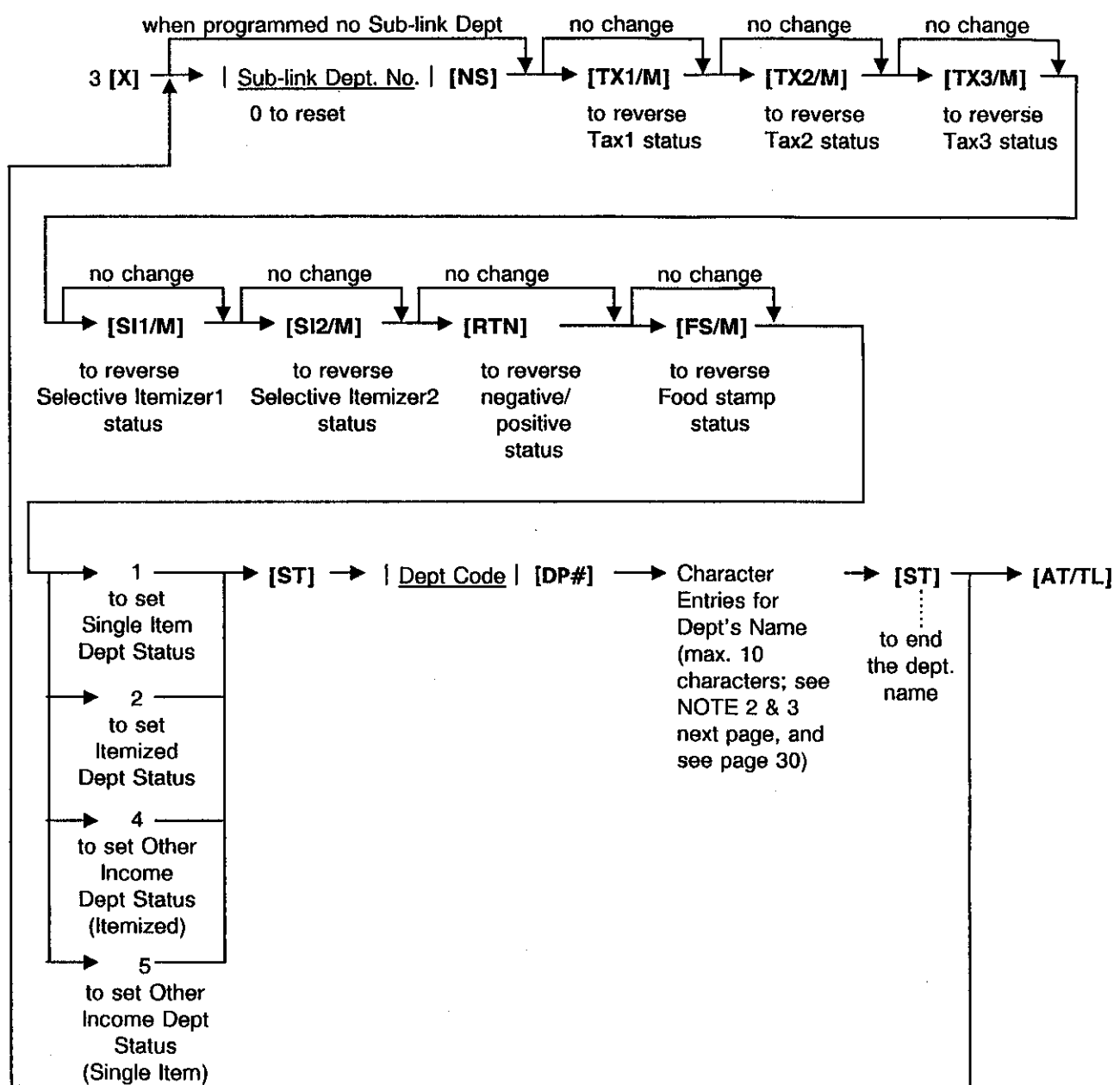
**CONDITION**

To change the Positive/Negative status :  
After Department Daily and GT Resets and PLU Reset

To change any other programmed data or to program new depts. :  
Any time outside a sale

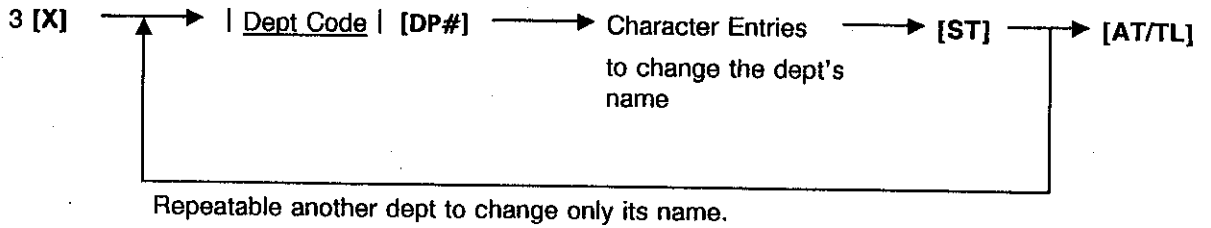
**OPERATION**

Mode Lock : **SET** / GT Lock : Neutral



Repeatable for other Depts.

- NOTES : 1. Depress only the key(s) for the required status change(s). [RTN], [TX1/M], [TX2/M], [TX3/M], [SI1/M], [SI2/M], and [FS/M] keys will function to reverse from the current status to the other.
2. For the name of each department, a maximum of 10 regular-sized or 5 double-sized characters may be entered. A combination of both types is also available. If no name is programmed for a department, the Department No. (ex. "DP01") will be printed on the receipt and reports as the Department name.
3. If only a department name is set or changed, refer to the following operation sequence.



ex.) To program the following status and name for each department :

DEPT CODE	Sub-link Dept. No.	Tax Status	Selective Itemizer Status	Negative/Positive Status	Food Stamp Status	Dept. Status	Dept. Name
1	---	Tax 1	---	Positive	Stampable	Itemized	MEAT
2	---	Tax 1	---	Positive	Stampable	Itemized	FISH
3	---	Tax 1	---	Positive	Stampable	Itemized	SALAD
4	---	Tax 1	---	Positive	Stampable	Itemized	SOUP
5	16	Tax 1 & 2	Net to SI1	Positive	---	Itemized	DRINK
6	---	Tax 1	Net to SI1	Positive	Stampable	Itemized	DAIRY
7	---	Tax 1	Net to SI1	Positive	Stampable	Itemized	DESSERT
8	---	Tax 1 & 2	Net to SI1	Positive	Stampable	Itemized	BAKERY
9	---	Tax 1 & 2	Net to SI1	Positive	Stampable	Itemized	CAN FOOD
10	---	TAX 2	---	Positive	---	Itemized	SNACK
11	---	Tax 2	Net to SI1	Positive	---	Itemized	SPICE
12	---	---	Net to SI1	Positive	---	Itemized	OTHERS
13	---	---	---	Positive	---	Single Item	no name
14	---	---	---	Negative	---	Itemized	no name
15	---	---	---	Positive	---	Other Income	no name
16	---	---	---	Positive	---	---	BTL DEPO

Mode Lock to SET, enter 3, depress [X]

[TX1/M] [FS/M] 2 [ST] 1 [DP#]

MEAT [ST]

.....

16 [DP#] BTL [SPACE] DEPO [ST]

[AT/TL] to end the programming

<b>P-03</b>		
01	2 F	1
01	MEAT	
02	2 F	1
02	FISH	
-----		
12	OTHERS	
13	1	
14	2	-
15	4	
16	BTL DEPO	
0025 15:55TM		

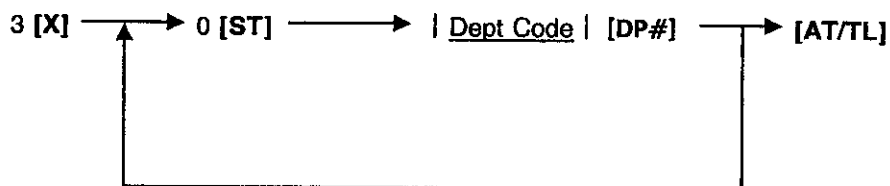
## ■ Reset the programmed department status

### CONDITION

After Department Daily and GT Resets, Financial Daily and GT Resets and PLU Reset

### OPERATION

Mode Lock : **SET** / GT Lock : Neutral



Repeatable for other depts to reset the programmed status.

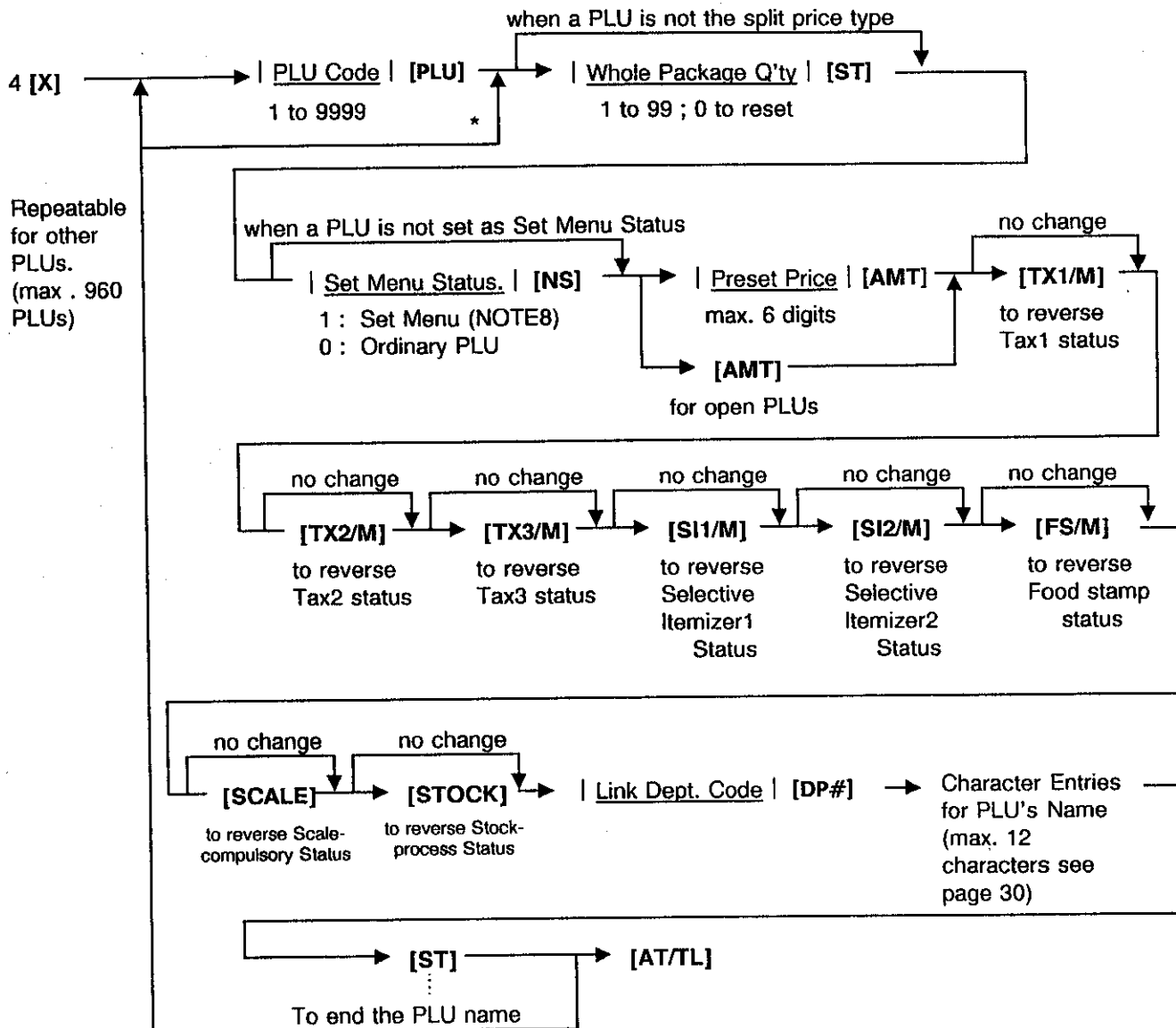
ex.) To reset the programmed status of Dept 1 :

Mode Lock to **SET**, enter 3, depress **[X]**.  
**0 [ST] 1 [DP#] [AT/TL]**.

<p><b>TEC STORE</b>          1343 PEACH DRIVE          PHONE: 87-6437</p> <p>Thank you          Call again          PHONE: 87-6437</p> <p>09-20-90 #0</p> <p><b>P03</b></p> <p>01 2</p> <p>0026 16:19TM</p>
---

# PLU TABLE PROGRAMMING OR CHANGING (Submode No.4)

- CONDITION**
- To program new PLUs:  
To change any programmed contents of PLUs (except the following case) : Any time outside a sale.
  - To change the Linked Department of a PLU with sales data not "0" : After PLU Reset
- OPERATION** Mode Lock: SET / GT Lock: Neutral



\* ' | PLU Code | [PLU]' entry may be skipped if the PLU Code is sequential from that of the PLU just set.  
If this PLU code entry is skipped at very first PLU, the PLU code will automatically programmed as PLU No.1.

- NOTES :**
1. *The Positive / Negative and Single-item / Itemized status are determined by those of the department to which each PLU is linked.*
  2. *If no name is set for a PLU, the PLU Code (such as "PLU 0001") will be printed as the PLU name on sales receipts.*
  3. *No PLU may be linked to an other income department.*
  4. *The Stock-process status and the Scale-compulsory status cannot be combined for a PLU.*
  5. *When programmed the Scale-compulsory status to a negative PLU, a sale entry of this PLU is not available.*
  6. *If only a PLU name is set or changed, the Character Entry is executed immediately after the depression of [PLU] in the above operation sequence.*
  7. *In the entry of a negative PLU for which a stock status has been set, the quantity in stock is not processed in memory, the quantity remaining unchanged.*
  8. *Set menu status setting must always be performed for any PLU to be used as the main menu (head menu) of the set menu. (No sub menu may be programmed for set menu Status.)*

ex.) To program the following status and name for each PLU :

PLU CODE	Whole Package Quantity	Set Menu Status	Preset Price	Tax Status	Selective Itemizer Status	Food Stamp Status	Scale-Compulsory Status	Stock Process Status	Linked department	PLU Name
1	---	---	\$11.50	Tax1	---	Stampable	---	---	Dept. 1	BEEF STK
2	---	---	\$4.50	Tax1	---	Stampable	---	---	Dept. 1	PORK SAUTE
3	---	---	\$7.50	Tax1	---	Stampable	---	---	Dept. 1	HAMB. STEAK
4	---	---	\$4.50	Tax1	---	Stampable	---	---	Dept. 1	FRD CHIKEN
5	---	Set Menu	\$14.50	Tax1	---	Stampable	---	---	Dept. 1	BEEF STK SET
6	---	Set Menu	\$11.50	Tax1	---	Stampable	---	---	Dept. 1	HAMB. STK SET
7	---	---	\$2.50	Tax1	---	Stampable	Compulsory	---	Dept. 1	BEEF
8	---	---	\$2.00	Tax1	---	Stampable	Compulsory	---	Dept. 1	PORK
20	---	---	\$9.50	Tax1	---	Stampable	---	---	Dept. 2	SALMON SLICE
21	---	---	\$15.00	Tax1	---	Stampable	Compulsory	---	Dept. 2	BOILED CRAB
22	---	---	\$6.50	Tax1	---	Stampable	---	---	Dept. 2	FRIED SHRIMP
30	---	---	\$2.20	Tax1	---	Stampable	---	---	Dept. 3	VEGIT. SALAD
31	---	---	\$2.50	Tax1	---	Stampable	---	---	Dept. 3	FRUIT SALAD
40	---	---	\$2.50	Tax1	---	Stampable	---	---	Dept. 4	CORN SOUP
41	---	---	\$3.00	Tax1	---	Stampable	---	---	Dept. 4	VEGIT. SOUP
50	---	---	\$2.50	Tax1&2	Net to SI1	Stampable	---	---	Dept. 5	COFFEE
51	---	---	\$3.50	Tax1&2	Net to SI1	Stampable	---	---	Dept. 5	ORANGE JUICE
52	---	---	\$1.40	Tax1&2	Net to SI1	Stampable	---	---	Dept. 5	BEER
53	---	---	\$0.70	Tax1&2	Net to SI1	Stampable	---	Process	Dept. 5	Coke Small-B
60	---	---	\$1.30	Tax1	Net to SI1	Stampable	---	---	Dept. 6	MILK
61	3	---	\$2.50	Tax1	Net to SI1	Stampable	---	---	Dept. 6	CHEESE
70	---	---	\$2.00	Tax1	Net to SI1	Stampable	---	---	Dept. 7	ICE CREAM
71	---	---	\$3.00	Tax1	Net to SI1	Stampable	---	---	Dept. 7	ICE CAKE
80	5	---	\$1.20	Tax1&2	Net to SI1	Stampable	---	---	Dept. 8	DOUNUTS
81	---	---	\$1.20	Tax1&2	Net to SI1	Stampable	---	---	Dept. 8	RYE BREAD
90	---	---	\$0.50	Tax1&2	Net to SI1	Stampable	---	Process	Dept. 9	TUNA CAN
91	---	---	\$0.45	Tax1&2	Net to SI1	Stampable	---	Process	Dept. 9	SOUP CAN
100	---	---	\$1.50	Tax2	Net to SI1	---	---	---	Dept.10	POTATO CHIPS
101	---	---	\$0.40	Tax2	Net to SI1	---	---	---	Dept.10	CHEWING GUM
110	---	---	\$0.50	Tax2	Net to SI1	---	---	---	Dept.11	BLACK PEPPER
111	---	---	\$0.60	Tax2	Net to SI1	---	---	---	Dept.11	NUTMEG
160	---	---	\$0.05	---	---	---	---	---	Dept.16	Small-B Depo

Mode Lock to SET, enter 4, depress [X]

1[PLU] 1150 [AMT] [TX1/M] [FS/M] 1 [DP#]

BEEF [SPACE] STK [ST]

160 [PLU] 5 [AMT] 16 [DP#]

Small-B Depo [ST]

[AT/TL] to end this programming.

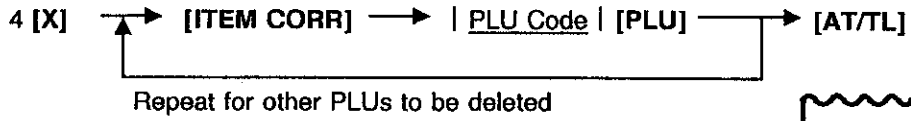
P04	
PLU0001	11.50
01	0
F	1
PLU0001 BEEF STEAK	
PLU0002	4.50
PLU0111 NUTMEG	
PLU0160	0.05
16	0
0032	
0029 16:23TM	



## PLU TABLE DELETION

**CONDITION** After PLU Reset

**OPERATION** Mode Lock : **SET**/ GT Lock : Neutral

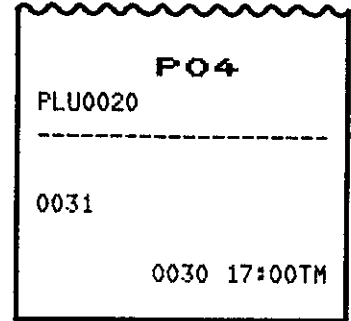


ex.) To delete PLU No. 20 once set in the above programming operation :

Mode Lock to **SET**, enter 4, depress [X]

Depress [ITEM CORR], enter 20, depress [PLU].

Depress [AT/TL] to end this program.



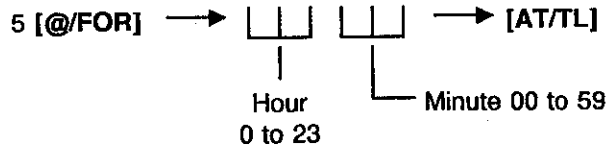
## TIME SETTING OR ADJUSTMENT (Submode No.5)

**CONDITION**

Any time outside a sale

**OPERATION**

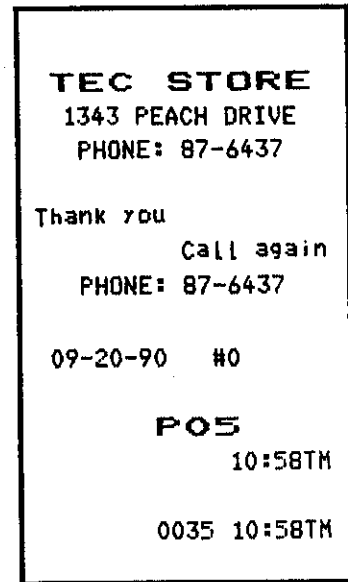
Mode Lock : **SET**/ GT Lock : Neutral



- NOTES :**
1. "If an hour value of more than 23 or a minute value of more than 59 is entered, no errors will result. However, in this case, set the time again with correct values.
  2. The date will not be changed by setting or adjusting the time.

ex.) To set the time to "10:58"(10:58 a.m.)

Mode Lock to **SET**, enter 5, depress [**@/FOR**]  
Enter 1 0 5 8 , depress [**AT/TL**].



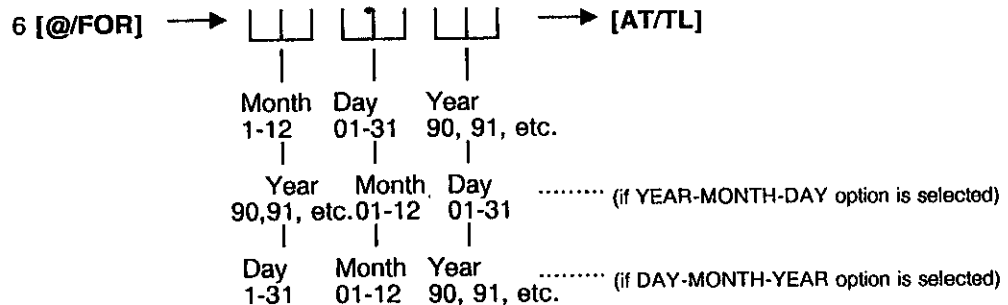
## DATE SETTING OR ADJUSTMENT (Submode No.6)

**CONDITION**

Any time outside a sale

**OPERATION**

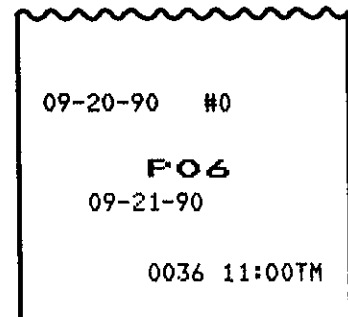
Mode Lock : **SET**/ GT Lock : Neutral



ex.) To set the date to "September 21 1990":

Mode Lock to **SET**, enter 6, depress [**@/FOR**]  
Enter (0) 9 2 1 9 0, depress [**AT/TL**].

**NOTE :** The extra day of a leap year is also computed automatically by the clock circuitry.

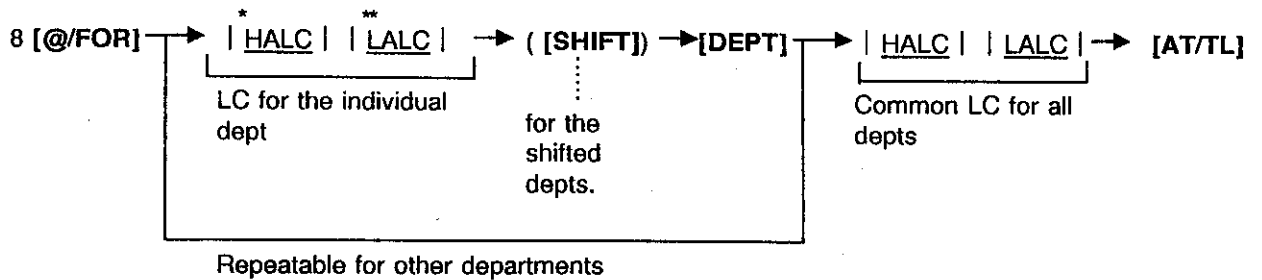


## DEPARTMENT LISTING CAPACITY SETTING (Submode No.8)

The LC (Listing Capacity) setting is used to check an amount limit error. By setting the LC, an amount entry (due perhaps to a mistake by the operator) will be prevented at the earliest stage (i.e. an error will result on entering an excessive amount through the department key).

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : **SET** / GT Lock : Neutral



\* HALC . . . . High Amount Listing Capacity (to be set in a 2-digit code.)

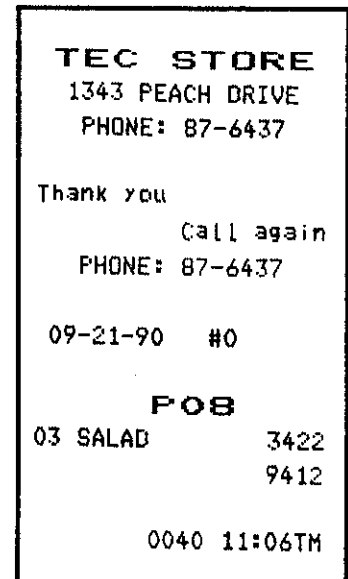
ex.) | 3 | | 4 | . . . . indicate \$39.99 . . . . equal to or smaller than \$39.99  
       └───┬───┘  
           4 digits  
       └───┬───┘  
           Value of the top digit

\*\* LALC . . . . Low Amount Listing Capacity (to be set in a 2-digit code.)

ex.) | 2 | | 2 | . . . . indicates \$0.29 . . . . larger than \$0.29  
       └───┬───┘  
           2 digits  
       └───┬───┘  
           Value of the top digit

ex.) To set the following LCs.  
 Individual LCs (HALC \$39.99, LALC \$0.29) for Dept. 3.  
 Common LCs (HALC \$99.99, LALC \$0.19).  
 Mode Lock to **SET**, enter 8, depress [ @/FOR ],  
 3422 [ DEPT 3 ] 9412 [ AT/TL ].

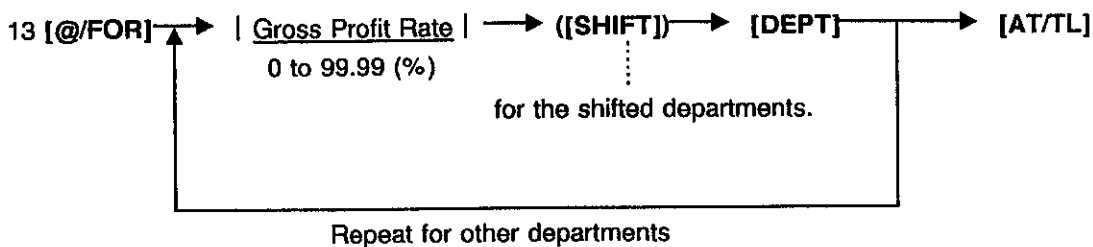
**NOTES :** 1. If the individual LC of a department is set, it prevails over the common listing capacity.  
 2. To reset a listing capacity, enter 00 before the [ DEPT ] key or the [ AT/TL ] key in the above operation.



# DEPARTMENT GROSS PROFIT RATE PROGRAMMING OR CHANGING (Submode No.13)

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : SET/ GT Lock : Neutral



- NOTES :**
1. The fraction resulted from the rate calculation will be discarded.
  2. To cancel the gross profit once set, enter zero as department gross profit rate.

ex.) To set following Gross Profit Rate  
 Dept 1 20%  
 Dept 3 10%  
 Mode Lock to SET, enter 13, depress [@/FOR]  
 Enter 20, depress [DEPT 1]  
 Enter 10, depress [DEPT 3]  
 [AT/TL] to end this program.

```

    09-21-90 #0
    P 13
    01 MEAT      20%
    03 SALAD    10%
    0044 11:19TM
  
```

# SALESPERSON CODE AND NAME PROGRAMMING AND DELETION (Submode No.20)

By programming Salesperson Codes here, those codes may be used in sales entries. In addition, the name of each salesperson can be programmed in maximum 8 characters.

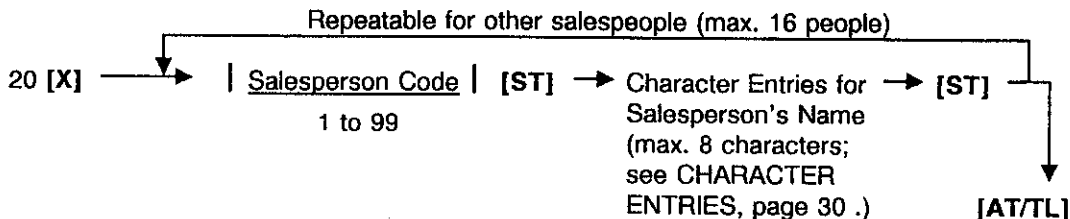
## ■ Programming

**CONDITION**

Any time outside a sale (for programming a new code and name, or for only changing the name)

**OPERATION**

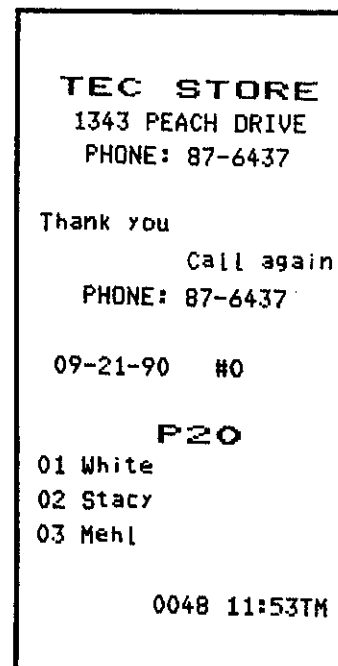
Mode Lock: SET / GT Lock: Neutral



- NOTES:**
1. A maximum of 8 regular-sized or 4 double-sized characters may be programmed for a name. A combination of both types is also available.
  2. If no name is programmed (i.e. skipping the Character Entries before the second [ST] key) for a Salesperson Code, that code may be used in sales entries. However, auto-preset ID symbol "SPxx" (xx is the Salesperson Code) will be printed instead of a name in this case, for his/ her ID in receipt print, etc.

ex.) To program the following Salesperson Codes and Names:

Code	Name	Mode Lock to SET. 20 [X].
1	White	1 [ST] (Salesperson Code 1) White [ST]
2	Stacy	2 [ST] (Salesperson Code 2) Stacy [ST]
3	Mehl	3 [ST] (Salesperson Code 3) Mehl [ST] [AT/TL]



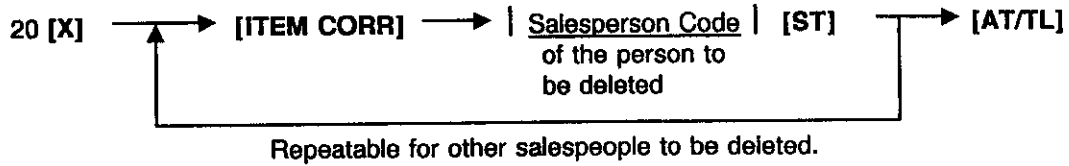
## ■ Deletion

**CONDITION**

After Daily Salesperson Reset.

**OPERATION**

Mode Lock: **SET** / GT Lock: Neutral



**NOTE:** When a Salesperson Code is deleted in the above operation, no entries using that code will be accepted until the code is again opened in the "Programming" operation already described.

ex.) To delete Salesperson Code 3 (name "Mehl") that has once been programmed:

Mode Lock to **SET**, 20 [X]

[ITEM CORR] 3 [ST]

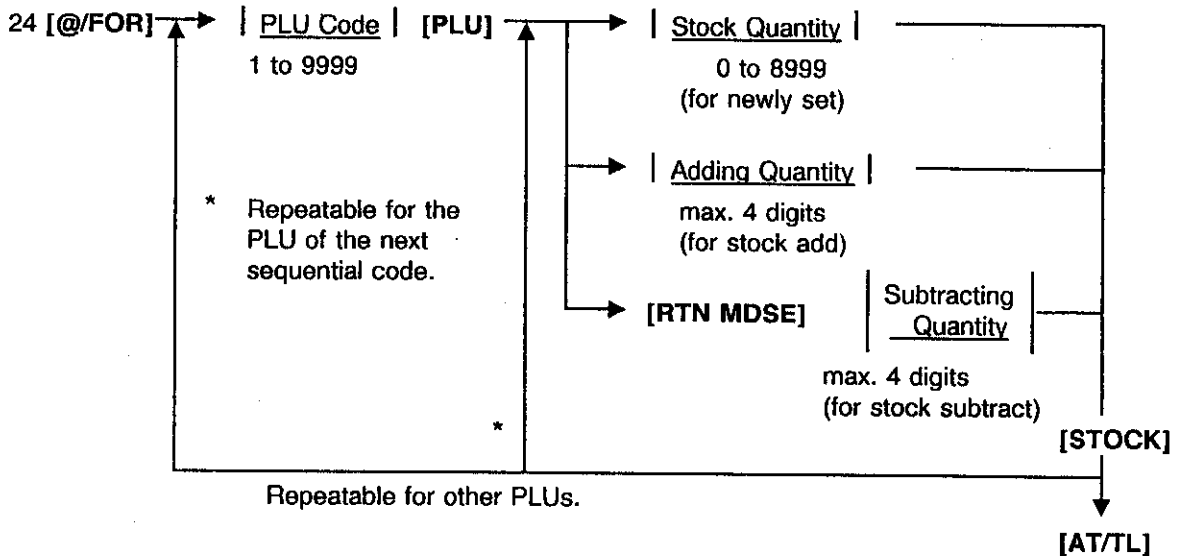
[AT/TL]

<p><b>TEC STORE</b> 1343 PEACH DRIVE PHONE: 87-6437</p> <p>Thank you Call again PHONE: 87-6437</p> <p>09-21-90 #0</p> <p><b>P20</b> 03 Mehl</p> <hr style="border-top: 1px dashed black;"/> <p>0049 11:57TH</p>
---

# PLU STOCK QUANTITY PROGRAMMING OR CHANGING (Submode No.24)

This programming is available for only PLUs for which the stock function active has been selected by "PLU TABLE PROGRAMMING OR CHANGING (Submode No.4)".

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

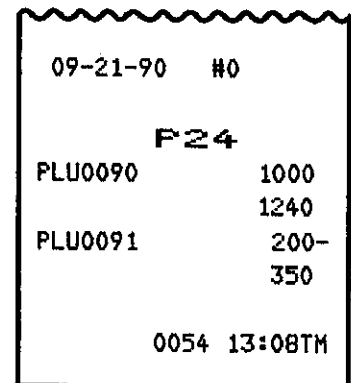


- NOTES :**
1. On the “ | PLU Code | [PLU]” entry, the current stock quantity is displayed.
  2. The total stock quantity of a PLU after addition or subtraction must not exceed the value range from -1000 through 8999.
  3. The PLU code here must exist in the PLU Table and must be set PLU stock-process status.

ex.) To change the stock quantities of the following PLUs :  
(Presumed that PLU 90 is stocked of 240 and PLU 91 is stocked of 550.)

PLU Code	Stock Change
90	Add 1000
91	Subtract 200

Mode Lock to SET  
 24 [ @/FOR ]  
 90 [PLU] 1000 [STOCK]  
 91 [PLU] [RTN MDSE]  
 200 [STOCK]  
 [AT/TL] to end.

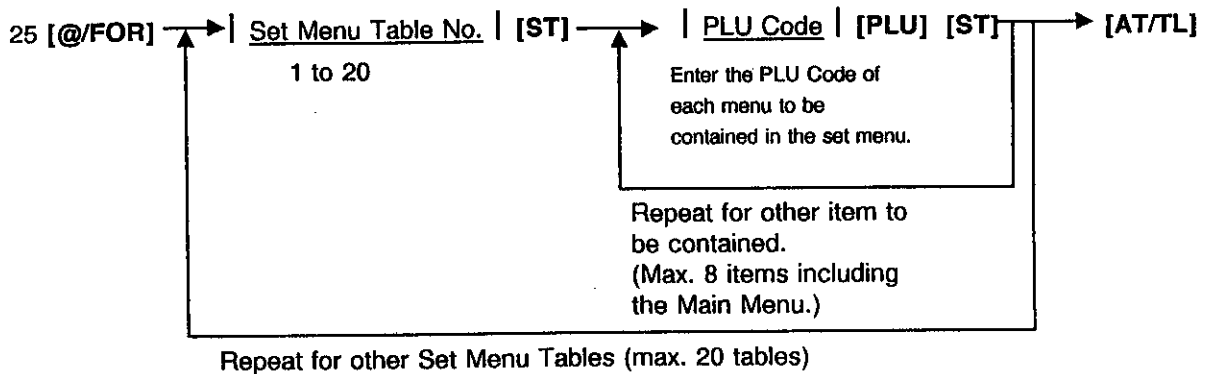


## SET MENU TABLE PROGRAMMING (Submode No.25)

Program a sub-menu for each PLU (main menu) for which set menu status has been programmed in PLU TABLE PROGRAMMING (Submode No.4). By entering the PLU programmed as a set menu PLU (main menu) in this programming, the sub-menu items are entered automatically.

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock: SET / GT Lock: Neutral



**NOTE :** The main menu is also available with an open PLU.

ex.) To set the following Set Menu :

Table No.1

- Main Menu PLU No. 5 (BEET STK SET)
- Sub Menu PLU No. 30 (VEGIT. SALAD)
- Sub Menu PLU No. 40 (CORN SOUP)
- Sub Menu PLU No. 50 (COFFEE)

Mode Lock to SET, 25 [AT/TL] 1 [ST] 5 [PLU] 30 [PLU] 40 [PLU] 50 [PLU] [ST] [AT/TL]

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again  
 PHONE: 87-6437

09-21-90 #0

**F25**

#01	0005	0030
		0040
		0050

0055 13:22TM

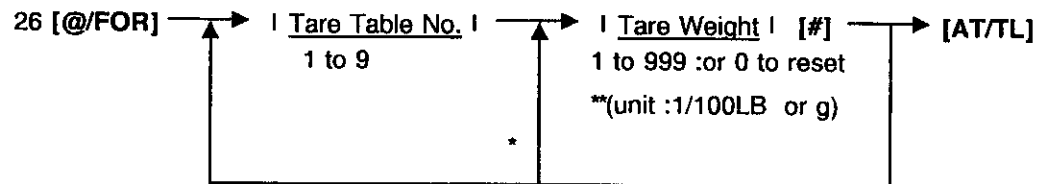


## TARE TABLE SETTING (Submode No.26)

This operation will program the tare table No. to automatically subtract the tare weight from the scaled weight.

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : **SET** / GT Lock : Neutral



Repeatable for other Tare Tables

\* (Repeatable from here if the Table No. is sequential from the previous one.)

\*\* ex.) Enter 13 for 0.13LB.  
Enter 25 for 25 g.  
(The unit selection, LB or g, is determined by a program option.)

**NOTE :** None of the PLUs have a tare input free/compulsory status. Tare input is possible for any scale PLU.

ex.) To set the followings :  
Tare Table No.1 with tare weight 0.13LB,  
Tare Table No.2 with tare weight 0.20LB.  
Mode Lock to **SET**, 26 [ @/FOR ]  
1 [ **ST** ] 13 [ # ]  
(2 [ **ST** ] 20 [ # ] [ **AT/TL** ]

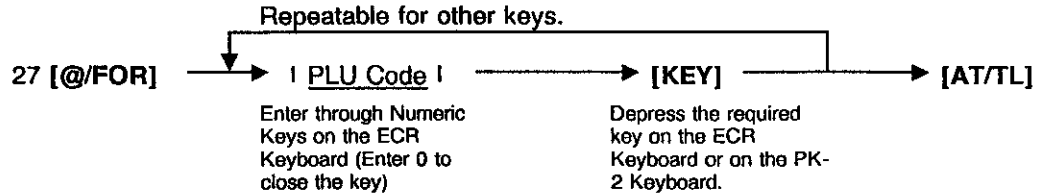
<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
PHONE: 87-6437	
09-21-90 #0	
<b>F26</b>	
#1	0.13
#2	0.20
0056 13:26TM	

## PLU PRESET-CODE KEY SETTING (Submode No.27)

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

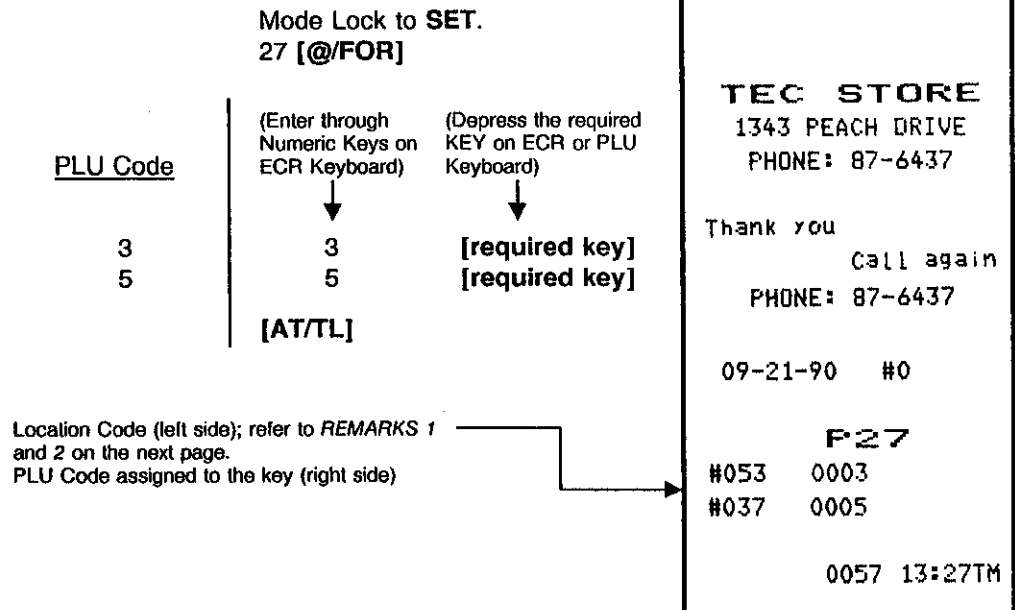
**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : SET / GT Lock : Neutral



- NOTES :**
1. If the PLU Code entry is skipped and a [KEY] is simply depressed in the above sequence, the preprogrammed PLU Code of the KEY will be displayed.
  2. A non-opened PLU Code (i.e. PLU non-existent in the PLU table file) can be set on a KEY; however, pressing the KEY in sale entries will result in an error unless the code is opened in the PLU TABLE PROGRAMMING operation, Submode No.4.
  3. If "0" is entered as PLU Code in the above sequence, the KEY will be closed. Pressing the closed KEY in sale entry will not be processed.

ex) To set the following PLU Codes to the following KEYS on the ECR keyboard and/or on the PLU Keyboard respectively :



PK-2 KEYBOARD

1	11	21	31	41	51	61	71	81	91	101	111	121
2	12	22	32	42	52	62	72	82	92	102	112	122
3	13	23	33	43	53	63	73	83	93	103	113	123
4	14	24	34	44	54	64	74	84	94	104	114	124
5	15	25	35	45	55	65	75	85	95	105	115	125
6	16	26	36	46	56	66	76	86	96	106	116	126
7	17	27	37	47	57	67	77	87	97	107	117	127
8	18	28	38	48	58	68	78	88	98	108	118	128
9	19	29	39	49	59	69	79	89	99	109	119	129
10	20	30	40	50	60	70	80	90	100	110	120	130

**REMARKS 1.** The Nos 1 through 130 marked on the PK-2 Keyboard are the KEY Nos to be printed on the left side of the program receipt issued in the operation on the preceding page. If each KEY is not set with a PLU Code, the auto-preset PLU Code identical to the initial KEY No. in the above figure will be active as its preset PLU Code

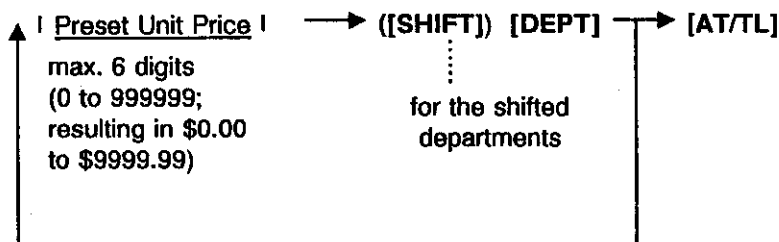
ex.) KEY No.1 ... PLU Code 1  
KEY No.130... PLU Code 130

2. When a PLU code is assigned to a PLU Preset-code Key on the ECR Keyboard in the operation on the preceding page, the Hardware Key Code which indicates the absolute location of the key will be printed to the left of the assigned PLU Code. Since it is hard to explain which location code corresponds to each key (due to an irregular numbering), it is suggested to verify the positioning by simply depressing the KEY and reading the code in the display (described in NOTE 1 on the preceding page). This reading operation is applied to the PK-2 Keyboard as well.

## DEPARTMENT PRESET PRICE SETTING OR CHANGING

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : SET / GT Lock : Neutral



Repeatable for other departments.

**NOTE :** When the "Preset Unit Price" is skipped and only the ([SHIFT]) [DEPT] key(s) is(are) depressed in the above operation sequence, the department will be an open-price department (i.e. amount entry is always required before the ([SHIFT]) [DEPT] key(s).)

ex.) To set Preset Unit Price \$5.00 to Dept. 13, and \$3.50 to Dept. 15:

Mode Lock to **SET**,  
Enter 500, depress **[DEPT 13]**.  
Enter 350, depress **[DEPT 15]**.  
**[AT/TL]** to end.

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
PHONE: 87-6437	
09-21-90	#111101
P	
13 DP 13	\$5.00
15 DP 15	\$3.50
0061 13:39TM	

ex.) To reset the Preset Unit Price (\$5.00) of Dept. 13 that was once set (i.e. to change it into an open-price department) :

Mode Lock to **SET**,  
Simply depress **[DEPT 13]**.  
**[AT/TL]** to end.

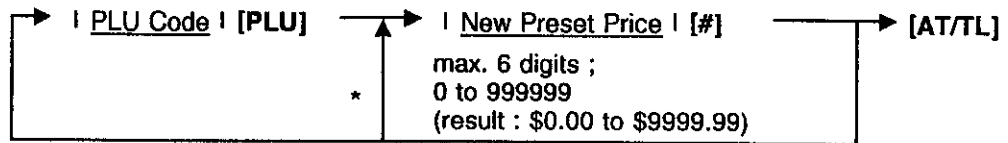
09-21-90	#111101
P	
13 DP 13	
0062 13:41TM	

# PLU PRESET PRICE CHANGING, WHOLE PACKAGE QUANTITY CHANGING

## ■ Changing Preset Price

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : **SET** / GT Lock : Neutral



Repeatable for other PLUs.

(\* Repeatable from here if the PLU Code is sequential.)

- NOTES :**
1. Entering 0 (zero) as New Preset Price will preset the price of \$0.00.
  2. In this operation, changes of the linked department, status or programming additional PLUs etc. are not possible.

ex.) To change the preset price of PLU No. 41 (previously programmed with \$3.00 as the preset price) to the new price of \$2.70 :

Mode Lock to **SET**,

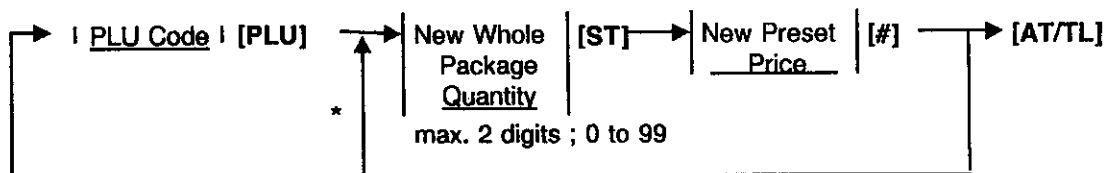
Enter 41, depress **[PLU]**.

Enter 270, depress **[#]**.

Depress **[AT/TL]** to end this program.

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
PHONE: 87-6437	
09-21-90	#111101
<b>F</b>	
VEGIT. SOUP	
PLU0041	\$2.70
0063 13:54TM	

■ **Changing the Whole Package Quantity (and the Price accordingly)**  
 (applicable to PLUs of Split Package Pricing type)



Repeatable for other PLUs.

\* (Repeatable from here if the PLU Code is sequential from the previous one.)

ex.) To change PLU No. 61  
 (previously programmed three-  
 pack with \$2.50) to five-pack  
 with \$4.00 :

Mode Lock to SET,

61 [PLU] 5 [ST] 400 [#]

[AT/TL] to end this  
 programming.

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again  
 PHONE: 87-6437

09-21-90 #111101

P

CHEESE  
 PLU0061 /05 \$4.00

0064 14:01TM

## % + AND %- PRESET RATE SETTING

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

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : SET / GT Lock : Neutral

| Preset % Rate | [% +] (For Percent Charge  
Preset Rate)

(0.001 to 99.999(%)) ; use the [ . ] key if a  
decimal portion is contained.)

| Preset % Rate | [%-] (For Percent Discount  
Preset Rate)

ex.) To set 10% on [% +] Key :

Mode Lock to SET, enter 10, depress [% +].

ex.) To set 5% on [%-] Key :

Mode Lock to SET, enter 5, depress [%-].

To reset the rate once set :

Mode Lock : SET,  
Enter 0, depress the required % key.

(Then the % key will always require a  
manual rate entry in sales entries.)

**NOTE :** When two [% +] Keys or [%-] keys are  
installed on keyboard, two different % rates  
(one for each) may be preset, in the same  
manner as described above.

<b>TEC STORE</b> 1343 PEACH DRIVE PHONE: 87-6437	
Thank you Call again PHONE: 87-6437	
09-21-90	#111101
%+	F 10%
0065 14:02TM	
09-21-90	#111101
%-	F 5%
0066 14:02TM	





## PRESET RATE SETTING FOR SELECTIVE ITEMIZERS (SI1 and SI2)

If any of [SI1/TL] (or [SI/TL]) and [SI2/TL] keys are installed on the keyboard, a preset rate may be programmed on each key.

As to the functions and applications of the Selective Itemizers, refer to the description on the next page.

CONDITION	Any time outside a sale
OPERATION	Mode Lock: <b>SET</b> / GT Lock: Neutral

| Preset SI 1 % Rate | [SI1/TL]  
(or [SI/TL])

(0.01 to 99.99(%); use the [.] key  
if a decimal portion is contained.)

| Preset SI 2 % Rate | [SI2/TL]

(On a Single-SI machine, only one Selective Itemizer Total Key is installed and labeled as "[SI/TL]". On a dual-SI machine, two keys, labeled as "[SI1/TL]" and "[SI2/TL]", are installed.)

- NOTES :**
1. *Whether the calculated amount by the preset SI % rate affects (i.e. add to or subtract from) the sale total is determined by a program option status selection.*
  2. *To reset the rate once set, enter 0 as the rate. (Then the rate is regarded as 100% if the option "Non-affect" is selected. With the option "SI Affects Sale Total", some rate other than "0" should be programmed.)*

ex.) To set 7% as SI1 preset % rate:  
Mode Lock to **SET**,  
7 [SI1/TL].

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
PHONE: 87-6437	
09-21-90	#111101
SI1 TL	P 7%
0072 14:09TM	

## ■ Selective Itemizer Functions and Applications

The "Selective Itemizer" is a temporary total memory for each sale and is activated separately from the Main Itemizer (i.e. sale total memory). If certain Department or PLU items are programmed with the SI (selective itemizer) "net" status, the Selective Itemizer will function to add up amounts of the SI-net-status items in registering the items, while the Main Itemizer will function to add up all the items in the sale. Thus, near the sale finalization, the operator may read the SI content by depressing the [SI/TL] key.

A preset % rate may be programmed for each of SI1 and SI2 (on the previous page), and whether the calculated amount will add to, subtract from, or non-affect the sale total is a selective option. Whether the amount resulted by depressing the [SI/TL] key will print or non-print is another selective option.

The applications of this function may vary from store to store. Some stores may use it for counting the service stamps to be issued to the customers according to the sale amount of service-stampable items. In this case, the option "SI Total Non-affects Sale Total" should be selected, and a preset % rate, 1% for example, may be set to issue one service stamp for every \$1.00. Thus the number of stamps to be issued to the customer is displayed (and printed if so programmed) as a result of calculation with the preset % rate, but the resulted value (the number of stamps in this case) will not affect the sale total.

Example 1) With option "SI Total Non-affects Sale Total":

### Key Operation in "REG" Mode

100 [DEPT 5] (SI-net)  
150 [DEPT 1] (non-SI)  
200 [DEPT 6] (SI-net)  
[SI/TL] (1% SI preset)  
[AT/TL]

### Receipt/Journal Print

DAIRY	1.00TF	SI-net Depts
VEGETABLE	1.50TF	
BAKERY	2.00TF	
SI1 TL	0.03	Number of Stamps to be issued
TAX	0.27	
CASH	4.77	

Dept.5 and Dept.6 are programmed with SI-net-status. On depressing [SI/TL], "0.03" (which is 1% of total amount of Dept.5 "1.00" + Dept.6 "2.00") is displayed and printed, and 3 stamps are to be issued to the customer in this case. The sale total "4.77" is not affected by the SI calculation.

Other stores may use it for calculating the discount amount for certain sales items during a special discount sales period by presetting the discount % rate on the SI and programming SI-net-status to certain Departments and PLUs which are subject to the special discount.

Example 2) With option "SI Special Discount":

### Key Operation in "REG" Mode

100 [DEPT 5] (SI-net)  
150 [DEPT 1] (non-SI)  
200 [DEPT 6] (SI-net)  
[SI/TL] (10% SI preset)  
[AT/TL]

### Receipt/Journal Print

DAIRY	1.00TF	SI-net Depts
VEGETABLE	1.50TF	
BAKERY	2.00TF	
SI1 TL	-0.30	Discount Amount resulted by SI % process
TAX	0.27	
CASH	4.47	

On depressing [SI/TL], "-0.30" (which is 10% discount from the total amount of Dept.5 + Dept.6 items) is displayed and printed, and that amount is subtracted from the sale total. (4.77-0.30=4.47)

## FOREIGN CURRENCY EXCHANGE RATE SETTING

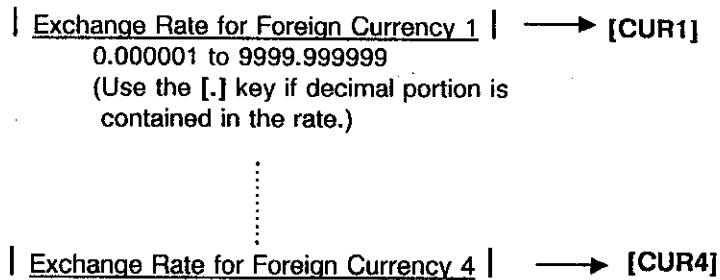
In this program, the rate of each foreign currencies (corresponding to the [CUR1] to [CUR4] keys) will be set. By setting a rate on each Foreign Currency Key, reading the sale total and tendering in the foreign currency value will be possible for sale finalization.

**CONDITION**

Any time outside a sale

**OPERATION**

Mode Lock: **SET** / GT Lock: Neutral



As for how to calculate the Exchange Rate, see the description below.

### ■ Foreign Currency Exchange Rate Calculation

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

If the domestic currency is US \$:

1¢ = xxxx.xxxxx centimes (French Franc)  
 = xxxx.xxxxx pfennigs (Deutsche Mark)  
 = xxxx.xxxxx yen (Japanese yen)

└─ Enter this value as the foreign currency rate.

ex). To set three foreign currency rates:

Domestic Currency . . . . US \$  
 Assigning [CUR 1] . . . French Franc  
 [CUR 2] . . . Deutsche Mark  
 [CUR 3] . . . Japanese yen

Conditions given for Domestic Currency and Foreign Currencies

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

(DOMESTIC)	(CUR1)	(CUR2)	(CUR3)	
U.S. Dollar	French Franc	Deutsche Mark	Japanese Yen	
↓	↓	↓	↓	
\$1.00	= Fr5.3729	= DM1.7619	= ¥ 145.50	..... in Main Currency Values
↓	↓	↓	↓	
1 cent	= 5.3729 centimes	= 1.7619 pfennigs	= 1.4550 yen	..... in Subsidiary Currency Values (Enter these values for setting.)

Key Operation for setting the rates above

Mode Lock to **SET**.

- 5 [.] 3729 [CUR1] (for French Franc)
- 1 [.] 7619 [CUR2] (for Deutsche Mark)
- 1 [.] 4550 [CUR3] (for Japanese yen)

■ **Resetting a Foreign Currency Rate Once Set :**

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

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again  
 PHONE: 87-6437

09-21-90 #111101

P

CUR1            5.3729\*

0073 14:11TM

P

CUR2            1.7619\*

0074 14:12TM

P

CUR3            1.455\*

0075 14:12TM

## VENDOR COUPON LIMIT AMOUNT SETTING

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : **SET** / GT Lock : Neutral

| Vendor Coupon Limit Amount | → [VND CPN]  
 max. 4 digits ; 1 to 9999  
 (result : \$ 0.01 to \$99.99)

**NOTE :** To reset the programmed limit amount,  
 enter 0 before the [VND CPN] key.

ex.) To set the Limit Amount of \$30.00 :  
 Mode Lock to **SET**, enter 3000, depress  
 [VND CPN].

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
PHONE: 87-6437	
09-21-90	#111101
	<b>F</b>
V.CPN	\$30.00
0076 14:14TM	

## DOLLAR DISCOUNT LIMIT AMOUNT SETTING

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : **SET** / GT Lock : Neutral

| Dollar Discount Limit Amount | → [DOLL DISC]  
 max. 4 digits ; 1 to 9999  
 (result : \$ 0.01 to \$99.99)

**NOTE :** To reset the programmed limit amount,  
 enter 0 before the [DOLL DISC] key.

ex.) To set the Limit Amount of \$5.00 :  
 Mode Lock to **SET**, enter 500, depress  
 [DOLL DISC].

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
PHONE: 87-6437	
09-21-90	#111101
	<b>F</b>
DISC	\$5.00
0077 14:14TM	

## BOTTLE RETURN LIMIT AMOUNT SETTING

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : **SET** / GT Lock : Neutral

| Bottle Return Limit Amount | → [BTL RTN]  
 max. 4 digits : 1 to 9999  
 (result : \$ 0.01 to \$99.99)

**NOTE :** To reset the programmed limit amount,  
 enter 0 before the [BTL RTN] key.

ex.) To set the Limit Amount of \$20.00 :  
 Mode Lock to **SET**, enter 2000, depress  
 [BTL RTN].

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

09-21-90  #111101

          F
BTR          $20.00

          0078 14:14TM
  
```

## STORE COUPON LIMIT AMOUNT SETTING

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : **SET** / GT Lock : Neutral

| Store Coupon Limit Amount | → [STR CPN]  
 max. 4 digits : 1 to 9999  
 (result : \$ 0.01 to \$99.99)

**NOTE :** To reset the programmed limit amount,  
 enter 0 before the [STR CPN] key.

ex.) To set the Limit Amount of \$25.00 :  
 Mode Lock to **SET**, enter 2500, depress  
 [STR CPN].

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

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09-21-90  #111101

          F
S.CPN          $25.00

          0079 14:15TM
  
```

## 6. VERIFICATION OF PROGRAMMED DATA

The programmed data entered in the previous "SET" mode operations may be read for the verification purpose.

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock: X / GT Lock: Neutral

Cashier Keys or Signing Status: **Signed-OFF** condition required (See NOTE below.)  
Follow the operation for each reading below:

(READ CONTENTS)	(KEY OPERATION)	(SAMPLE PAGE)
DEPARTMENT PRESET PRICE READ	1 [ST]	70
DEPARTMENT TABLE READ	2 [ST]	70
ALL PLU TABLE READ	3 [ST]	71
ZONE PLU TABLE READ	<u>Zone-start PLU Code</u>   [ @/FOR ]   <u>Zone-end PLU Code</u>   [ST]	71
OTHER PROGRAM DATA READ	4 [ST]	72
USER SYSTEM OPTION READ	5 [ST]	72
SET MENU TABLE READ	6 [ST]	73
TARE TABLE READ	7 [ST]	73
CASHIER AND SALESPERSON		
NAME READ	8 [ST]	74
PLU KEYBOARD (PK-2)		
PRESET-CODE READ	10 [ST]	74
TAX CALCULATION TEST	<u>Amount</u>   [TXBL TL]	74

**NOTE:** In CASHIER SIGNING Method, the ECR must be in a Signed-OFF condition.  
In CASHIER KEY Method, a Cashier Key may or may not be set to ON status. If a Cashier Key is set to ON status, the Cashier Name is printed on the reading receipt.

**DEPARTMENT PRESET PRICE READ**

Mode Lock: X, 1 [ST]

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
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PHONE: 87-6437

09-21-90 #111101

PX01
01 MEAT
02 FISH
03 SALAD
04 SOUP
05 DRINK
06 DAIRY
07 DESSERT
08 BAKERY
09 CAN FOOD
10 SNACK
11 SPICE
12 OTHERS
13 DP13
14 DP14
15 DP15
16 BTL DEPO

0091 14:29TM
    
```

**DEPARTMENT TABLE READ**

Mode Lock: X, 2 [ST]

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again
PHONE: 87-6437

09-21-90 #111101

PX02
01 MEAT 2 0000
01 00 20.00ZF 1
02 FISH 2 0000
01 00 00.00ZF 1
03 SALAD 2 3422
02 00 10.00ZF 1
04 SOUP 2 0000
02 00 00.00ZF 1
05 DRINK 2 0000
03 16 00.00Z I 21
06 DAIRY 2 0000
04 00 00.00ZF I 1
07 DESSERT 2 0000
04 00 00.00ZF I 1
08 BAKERY 2 0000
05 00 00.00ZF I 21
09 CAN FOOD 2 0000
05 00 00.00ZF I 21
10 SNACK 2 0000
06 00 00.00Z I 2
11 SPICE 2 0000
06 00 00.00Z I 2
12 OTHERS 2 0000
07 00 00.00Z
13 DP13 1 0000
07 00 00.00Z
14 DP14 2 0000
07 00 00.00Z
15 DP15 4 0000
07 00 00.00Z
16 BTL DEPO 2 0000
03 00 00.00Z

0092 14:29TM
    
```

Department Code

Department Name

Gross Profit Rate

Group Code

Preset Price  
(Blank for an open Department)

Sub-link Dept Code  
(00 if no Sub-link)

HALC

LALC

Single Item and/or Other Income Status

- 1: Single Item
- 2: Itemized Item
- 4: Other Income
- 5: Single Item & Other Income

Status Symbol

- F: Food Stampable
- I: SI1-net
- II: SI2-net.

Tax Status

- 1: Taxable 1
- 2: Taxable 2
- 3: Taxable 3
- \* 21 indicates Taxable 1 & 2 Status.

Negative Status Symbol



**ALL PLU TABLE READ**

Mode Lock: X, 3 [ST]

**ZONE PLU TABLE READ**

Mode Lock: X, | Zone-start PLU Code |

[@/FOR]

| Zone-end PLU Code |

[ST]

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

09-21-90 #111101

FX03
0001 BEEF STEAK
01 0 / 0 $11.50
      F      1
0002 PORK SAUTE
01 0 / 0 $4.50
      F      1
0003 HAMB. STEAK
01 0 / 0 $7.50

-----
09 0 / 0 $0.50
      FS I 21
0091 SOUP CAN
09 0 / 0 $0.45
      FS I 21
0100 POTATO CHIPS
10 0 / 0 $1.50
      S I 2
0101 CHEWING GUM
10 0 / 0 $0.40
      S I 2
0110 BLACK PEPPER
11 0 / 0 $0.50
      S I 2
0111 NUTMEG
11 0 / 0 $0.60
      S I 2
0160 PLU0160
16 0 / 0 $0.05

0093 14:29TM
    
```

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

09-21-90 #111101

FX03
0001~0005
0001 BEEF STEAK
01 0 / 0 $11.50
      F      1
0002 PORK SAUTE
01 0 / 0 $4.50
      F      1
0003 HAMB. STEAK
01 0 / 0 $7.50
      F      1
0004 FRD CHIKEN
01 0 / 0 $4.50
      F      1
0005 BEEF STK SET
01 1 / 0 $14.50
      F      1

0094 14:31TM
    
```

PLU Code

Link Dept Code

Set Menu Status  
 1: Set Menu  
 0: Ordinary PLU

PLU Name

Preset Price

Whole Package  
 Quantity

Tax Status

- 1: Taxable 1
- 2: Taxable 2
- 3: Taxable 3
- \* 21 indicates Taxable 1 & 2 Status.

Status Symbol

- W : Scale-compulsory
- F : Food Stampable
- S : Stock-process
- I : SI1-net
- II : SI2-net

Zone-start PLU Code~  
 Zone-end PLU Code

**OTHER PROGRAM DATA READ**  
 (Various Amount Limits, LCs, Preset Rates Read)  
 Mode Lock: X, 4 [ST]

**USER SYSTEM OPTION READ**  
 Mode Lock: X, 5 [ST]

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again  
 PHONE: 87-6437

09-21-90 #111101

**PX04**

%+	10%	
%-	5%	
		94.12
CASH		94
CHECK		95
Chg		00
MISC		00
CPN		00
CRT TL1		00
FS TL		00
BTR	\$20.00	
V.CPN	\$30.00	
S.CPN	\$25.00	
DISC	\$5.00	
SI1 TL	7%	
		\$5.00
CUR1	5.3729*	
CUR2	1.7619*	
CUR3	1.455*	
		03
		30

0095 14:31TM

Common HALC & LALC for all departments

Selective Itemizer Preset Rate

Non-taxable-Limit Amount

Preset Rate for each key

HALC (High Amount Listing Capacity) for each key

High Amount Limit for each key

Foreign Currencies Rates

Print Start Line No. Max. Print Line No.

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again  
 PHONE: 87-6437

09-21-90 #111101

**PX05**

#01	4
#02	25
#03	0
#04	0
#05	0
#06	0
#07	0
#08	0
#09	6
#10	6
#11	6
#12	6
#13	15
#14	4
#15	0
#16	0

0096 14:32TM

on GCP

Ask your TEC representative for information of the User System Option selections for your store, if necessary.

**SET MENU TABLE READ**  
Mode Lock: X, 6 [ST]

**TEC STORE**  
1343 PEACH DRIVE  
PHONE: 87-6437

Thank you  
Call again  
PHONE: 87-6437

09-21-90 #111101

**PX06**

#01	0005	0030
		0040
		0050

0097 14:32TM

Set Menu Table No.

Sub Menu PLU Codes

Main Menu PLU Code

**TARE TABLE READ**  
Mode Lock: X, 7 [ST]

**TEC STORE**  
1343 PEACH DRIVE  
PHONE: 87-6437

Thank you  
Call again  
PHONE: 87-6437

09-21-90 #111101

**PX07**

#1	0.13LB
#2	0.20LB
#3	0.00LB
#4	0.00LB
#5	0.00LB
#6	0.00LB
#7	0.00LB
#8	0.00LB
#9	0.00LB

0098 14:32TM

Preset Weight of the Tare Table

Tare Table No.

**CASHIER AND SALESPERSON NAME READ**

Mode Lock: X,8[ST]

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

09-21-90 #111101
PX08
01 JONES ←
02 SMITH ←
01 White ←
02 Stacy ←
03 Mehl ←

0099 14:33TM
    
```

Cashier Code

Location Code on PK-2

Cashier's Name

Salesperson's Code

Salesperson's Name

**PLU KEYBODE (PK-2) PRESET-CODE READ**

(Mode Lock: X,10 [ST])

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again
PHONE: 87-6437

09-21-90 #111101
PX10
0001 BEEF STEAK ←
#001          $11.50 ←
0002 PORK SAUTE ←
#002          $4.50 ←
0003 HAMB. STEAK
#003          $7.50
0004 FRD CHIKEN
#004          $4.50

#100          $1.50
0101 CHEWING GUM
#101          $0.40
0110 BLACK PEPPER
#110          $0.50
0111 NUTMEG
#111          $0.60

0101 14:33TM
    
```

PLU Code

PLU Name

Preset Price

**TAX CALCULATION TEST**

(Mode Lock: X)

Enter any amount.



Depress [TXBL TL]

The entered amount is displayed.

The tax amount (Tax 1 + Tax 2 + Tax 3) is displayed, issuing a receipt with the entered amount and the tax amount printed.





**TEC**  
TOKYO ELECTRIC CO., LTD.

**E** PRINTED IN JAPAN  
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