ELECTRONIC CASH REGISTER
TK-T500

APPLE-
PIE
COFFEE
FRENCH-
FRIED
SANDWICH
ICE CREAM

USER'S MANUAL

Eu   Di   U.K.
CI   Canada

CASIO®

Introduction

Congratulations on your selection of a CASIO TK-T500 series electronic cash register. This ECR is the product of the world's most advanced electronic technology, for outstanding versatility and reliability.
Simplified operation is made possible by a specially designed keyboard layout and a wide selection of automated, programmable functions.
A specially designed keyboard layout and a bright, easy-to-read display help to take the fatigue out of long hours operation.

Notes for TK-T500-1

$C \epsilon$ Casio Electronics Co., Ltd.
Unit 6, 1000 North Circular Road
London NW2 7JD, U.K.

WARNING: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Please keep all information for future reference.

Notes for TK-T500

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A.
(Not applicable to other areas)

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

FCC WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The main plug on this equipment must be used to disconnect mains power.
Please ensure that the socket outlet is installed near the equipment and shall be easily accessible.

Important!

Your new cash register has been carefully tested before shipment to ensure proper operation. Safety devices eliminate worries about breakdowns resulting from operator errors or improper handling. In order to ensure years of trouble-free operation, however, the following points should be noted when handling the cash register.

Do not locate the cash register where it will be subjected to direct sunlight, high humidity, splashing with water or other liquids, or high temperature (such as near a heater).
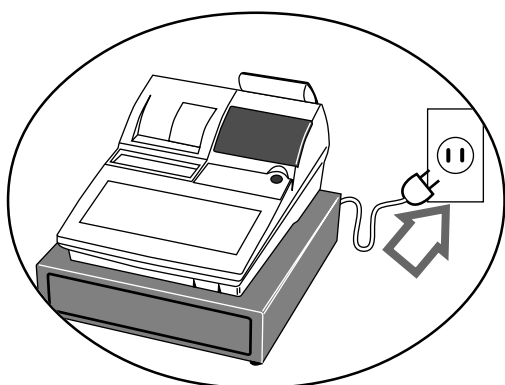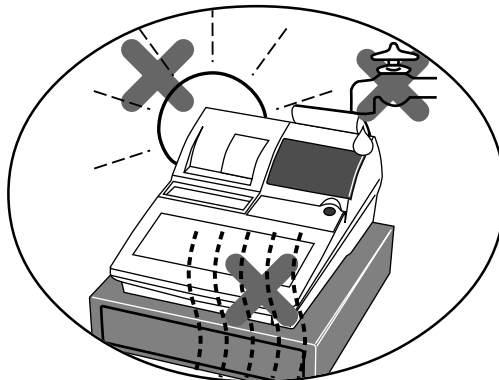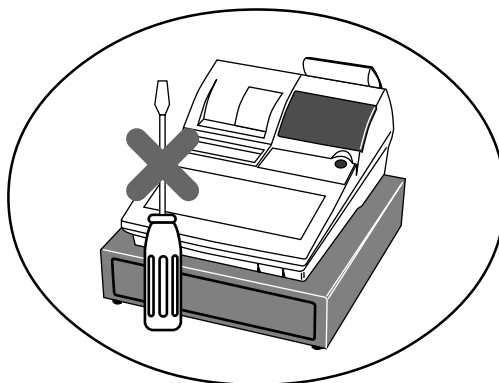
Never operate the cash register while your hands are wet.

Never try to open the cash register or attempt your own repairs. Take the cash register to your authorized CASIO dealer for repairs.

Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in the area.
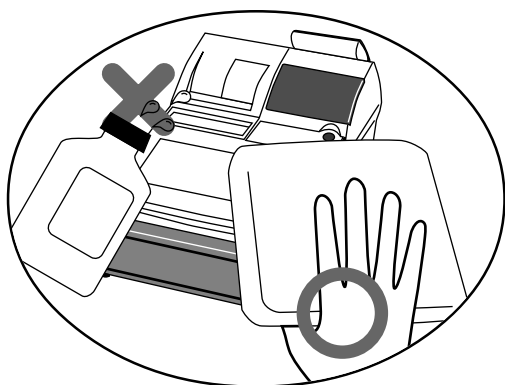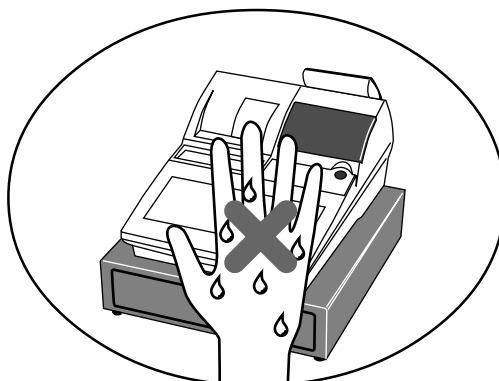
Use a soft, dry cloth to clean the exterior of the cash register. Never use benzene, thinner, or any other volatile agent.

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Getting Started

This section outlines how to unpack the cash register and get it ready to operate. You should read this part of the manual even if you have used a cash register before. The following is the basic set up procedure, along with page references where you should look for more details.

1. **Remove the cash register from its box.**
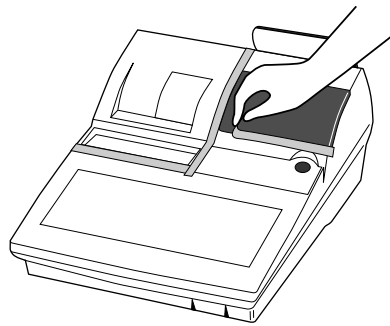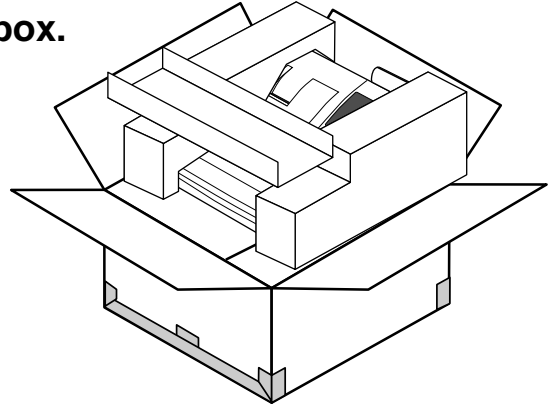
2. **Remove the tape holding parts of the cash register in place.**
Also remove the small plastic bag taped to the printer cover. Inside you will find the mode keys.

3. **Remove the cash drawer from its box.**
The cash register and cash drawer are packed separately.

4. **Connect the drawer.**

1. Connect drawer connector (three color lead on drawer) to the cash register.
2. Connect frame drawer connector (green lead on drawer) to the cash register.
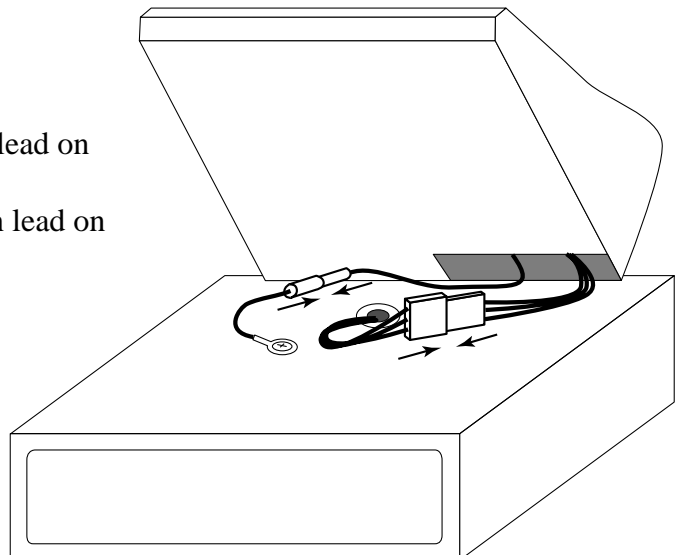
5. Mount the cash register.

1. Screw in 2 fixing screws bottom side of the register.
2. Stick rubbor plate on the each corner of the bottom side of the register.
3. Mount the cash register on the top of the drawer, ensuring that the feet on the bottom of the cash register go into the holes on the drawer.
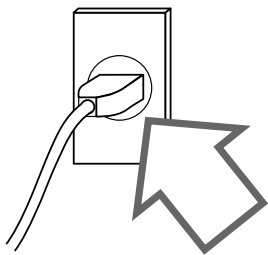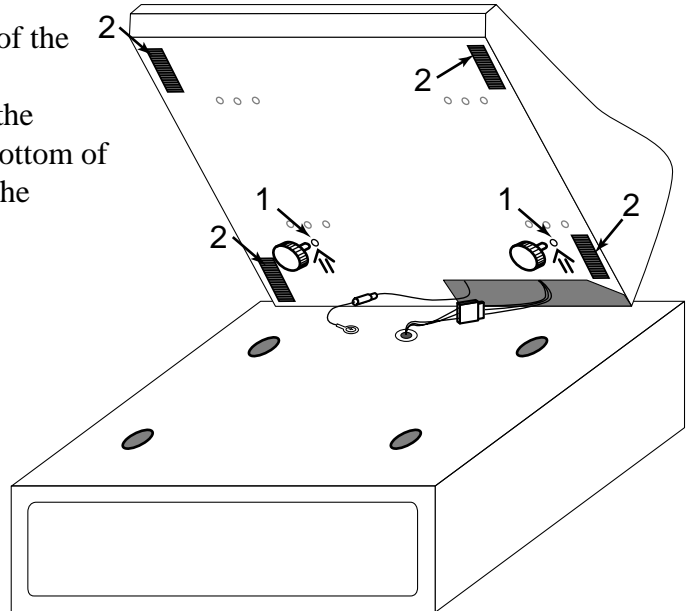
6. Plug the cash register into a wall outlet.

Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in your area. The printer will operate for a few seconds. Please do not pass the power cable under the drawer.

7. Insert the mode key marked "OW" into the mode switch.

REG2
REG1
OFF
RF
PGM
Z1
X2/Z2
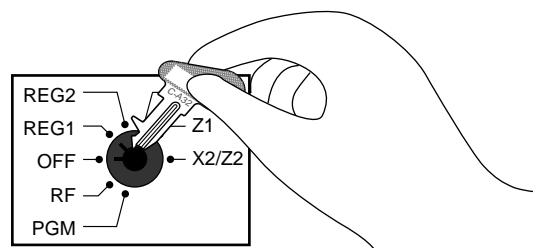
8. Install receipt/journal paper.

Loading journal paper

The same type of paper (58 mm × Max. 83 mm i.d.) is used for receipts and journal. Load the new paper before first operating the cash register or when red paper appears from the printer.
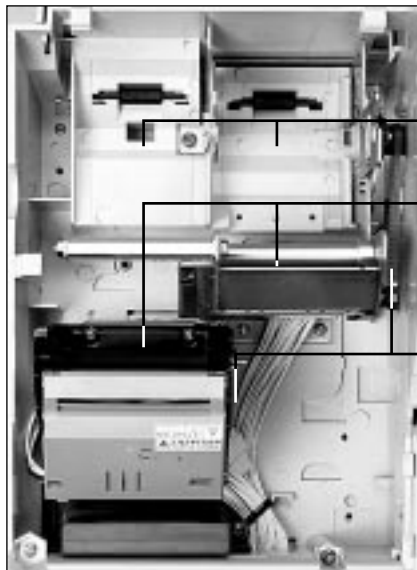
Paper holder

Paper inlet

Head release lever
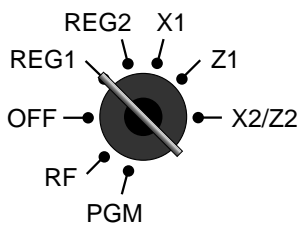
① Use a mode key to set the mode switch to REG1 position.

② Open the printer cover using the printer cover key.

③ Cut off the leading end of the paper so it is even.

④ Ensuring the paper is being fed from the bottom of the roll, lower the roll into the space behind the printer.

⑤ Drop the paper roll gently and insert paper to the paper inlet. The paper is fed and loaded automatically.

⑥ Press the JOURNAL FEED key until about 20 cm to 30 cm of paper is fed from the printer.

Loading receipt paper

Follow steps ① through ③ under "Loading journal paper" on the previous page.

④ Ensuring the paper is being fed from the bottom of the roll, lower the roll into the space behind the printer.

⑤ Drop the paper roll gently and insert paper to the paper inlet.

⑥ The paper is fed and loaded automatically.

⑦ Set the printer cover.

⑦ Slide the leading end of the paper into the groove on the spindle of the take-up reel and wind it onto the reel two or three turns.

⑧ Place the take-up reel into place behind the printer, above the roll paper.

⑨ Press the JOURNAL FEED key to take up any slack in the paper.
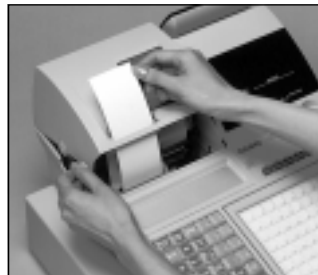
⑩ Close the printer cover.

Important!

The cash register cannot be operated without paper. First of all, paper loading is necessary.

9. Set the date.

REG2 — X1
REG1 — Z1
OFF — X2/Z2
RF —
PGM
— **Mode Switch** —

➡ **1** [SUB TOTAL] ➡ ☐☐☐☐☐☐ ➡ **or** ➡ [C]

Current date

[X / FOR / DATE / TIME]
[X / DATE / TIME]

Example:

June 3, 2000 ⇨ **0 0 0 6 0 3**

Year   Month   Day

10. Set the time.

REG2 — X1
REG1 — Z1
OFF — X2/Z2
RF —
PGM
— **Mode Switch** —

➡ **1** [SUB TOTAL] ➡ ☐☐☐☐ ➡ **or** ➡ [C]

Current time

[X / FOR / DATE / TIME]
[X / DATE / TIME]

Example:

08:20 AM ⇨ **0 8 2 0**

09:45 PM ⇨ **2 1 4 5**

(24-hour military time)
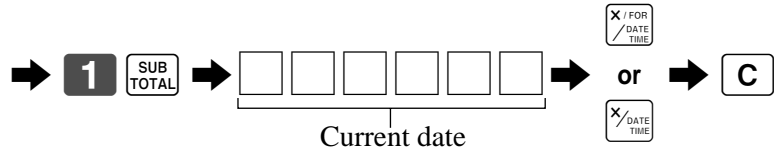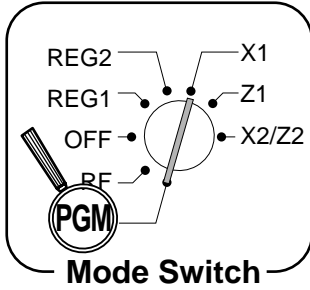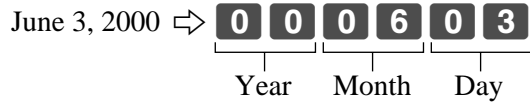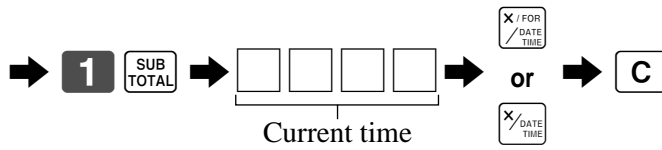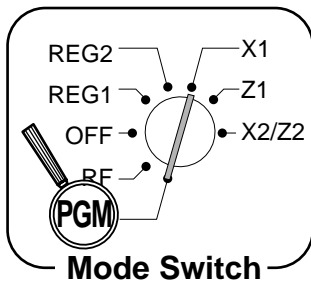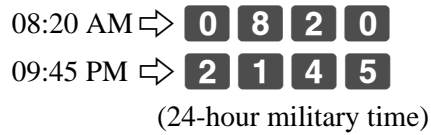
General guide

This part of the manual introduces you to the cash register and provides a general explanation of its various parts.

Pop-up display

Take-up reel

Main display

Roll paper

Mode switch

Printer

Keyboard

Menu sheet holder

Drawer

Drawer lock

Printer sub cover

Printer cover

Printer cover key

(with slit drawer)
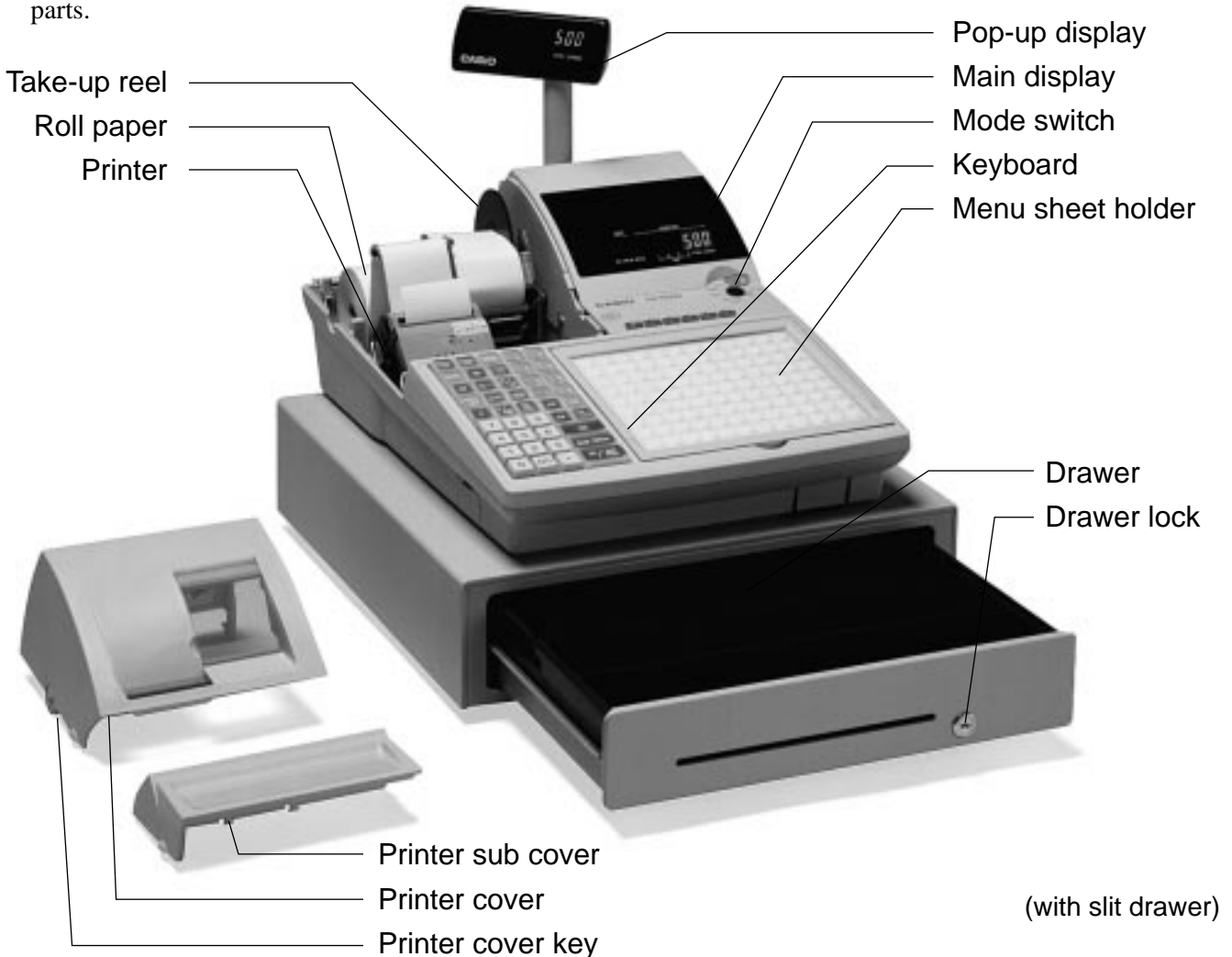
Roll paper

You can use the roll paper to print receipts and a journal (pages 10 ~ 11).

Receipt on/off switch / key

Use the receipt on/off switch/key in REG1, REG2 and RF modes to control issuance of receipts. In other modes, receipts or reports are printed regardless the receipt switch/key setting.

A post-finalization receipt can still be issued after finalization when the switch/key is set to off. The cash register can also be programmed to issue a post-finalization receipt even when the switch/key is set to on.

Receipt on/off switch

Indicator

RECEIPT ON/OFF
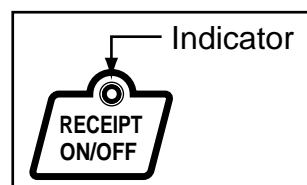
Receipt on/off key
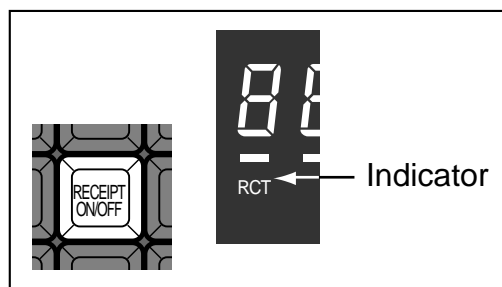
RCT — Indicator

When the register issues receipts, this indicator is lit.

Mode key (for U.K., U.S. and Canada)

The following four types of mode keys are provided with the unit in the United Kingdom, the United States and Canada.
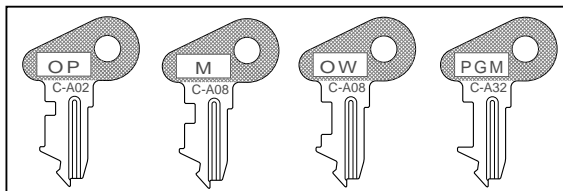
a. OP (Operator) key
   Switches between OFF and REG1.
b. M (Master) key
   Switches between OFF, REG1, REG2, X1 and RF.
c. OW (Owner) key
   Switches between OFF, REG1, REG2, X1, Z1, X2/Z2 and RF.
d. PGM (Program) key
   Switches to any position.

Mode key (for other area)

The following three types of mode keys are provided with the unit in areas outside of the United Kingdom, the United States and Canada.
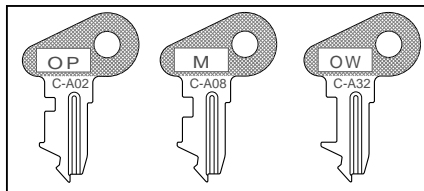
a. OP (Operator) key
   Switches between OFF and REG1.
b. M (Master) key
   Switches between OFF, REG1, REG2, X1 and RF.
c. OW (Owner) key
   Switches to any position.

Mode switch

Use the mode keys to change the position of the mode switch and select the mode you want to use.
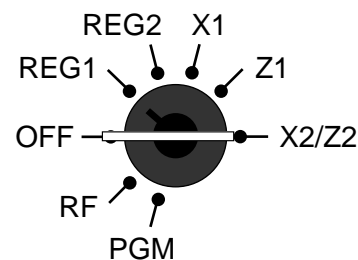
Mode switch	Mode name	Description
OFF	Stand-by	Any of the mode control keys can be inserted and removed from the mode switch in this position.
REG1	Register 1	Used for normal sales transactions. Any of the mode control keys can be inserted and removed from the mode switch in this position.
REG2	Register 2	Used for special operations. Since switching to REG2 requires a special key, such functions as discounts, credit sales, charge sales, check payments, and paid outs can be controlled by programming them as prohibited in REG1 and allowed in REG2.
RF	Refund Reg minus	Used for processing refunds. When the mode switch of the register is in RF position, you can access either the refund mode or the register minus mode.
X1	Daily sales read	Used to obtain daily reports without resetting (clearing) all total data.
Z1	Daily sales reset	Used to obtain daily reports while resetting (clearing) all total data.
X2/Z2	Periodic sale read/reset	Used to obtain periodic sales reports without resetting total data or while resetting all total data.
PGM	Program	Used when programming functions and preset data such as unit prices and tax rates. Also used when reading program data.

Introducing TK-T500

Clerk key/button/lock

On models available in the United States and Canada, clerk or cashier assignment can be performed using clerk secret numbers only (clerk buttons are not equipped).
In Germany, you can assign clerks by using clerk key or by clerk secret number (clerk key is equipped).
In other areas, you can assign clerks by using clerk button or by clerk secret number.
The method you are assigning clerk depends on the programming of your cash register.

Clerk secret number key

When the cash register is programmed to use clerk secret numbers for clerk or cashier assignment, the clerk buttons are not functional.
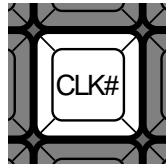
Clerk lock/key

You can assign the clerk or cashier inserting a clerk key into the clerk lock .
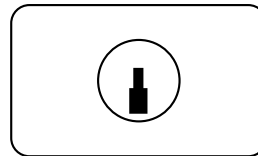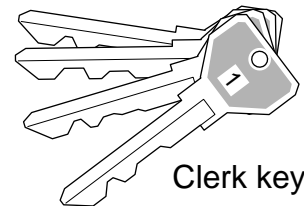
Clerk lock   Clerk key

Clerk button

You can assign the clerk or cashier using the six buttons located below the display panel.

Drawer

The drawer opens automatically whenever you finalize a registration and whenever you issue a read or reset report.

Drawer lock (for medium size drawer)

Use the drawer key to lock and unlock the drawer.

Drawer open key (for large size drawer)

Use the drawer open key to open the drawer.

When the cash drawer does not open! (for medium size drawer only)

In case of power failure or the machine is in malfunction, the cash drawer does not open automatically. Even in these cases, you can open the cash drawer by pulling drawer release lever (see below).
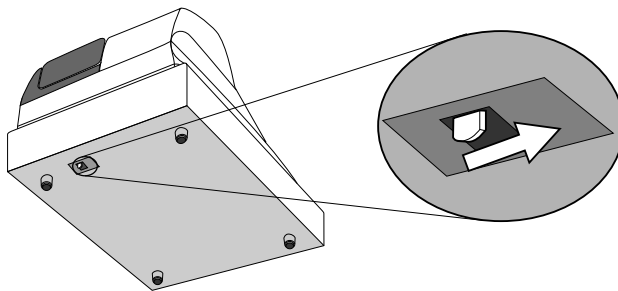
Important!

The drawer will not open, if it is locked with a drawer lock key.

Introducing TK-T500

Display

Display panel

Main display for the U.S.

```
 4 ST        $27.83
Langue-de-chat

      RPT  ____ AMOUNT ____
                    2.70
  __              __
RCT 2ND@ 3RD@   T/S1 T/S2 T/S3 F/S TOTAL CHANGE
```

Customer display for all area

```
              56.78
              TOTAL CHANGE
```
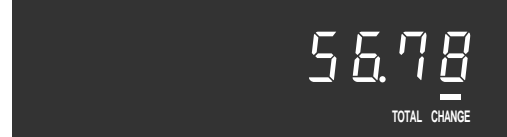
Main display for Canada and Germany

```
 3 ST        $45.63
Langue-de-chat

      RPT  ____ AMOUNT ____
                    4.71
  __
RCT 2ND@ 3RD@   1   2   3   4  TOTAL CHANGE
                   TAX
```

Main display for other area

```
 4 ST        $23.55
Langue-de-chat

      RPT  ____ AMOUNT ____
                    2.54
              __
2ND@ 3RD@    1   2   3   4  TOTAL CHANGE
                TAX
```

Display example

Item registration

Repeat registration

Totalize operation

RECEIPT ON/OFF

① **Amount/Quantity**
This part of the display shows monetary amounts. It also can be used to show the current time.

② **Item descriptor**
When you register a department/PLU/scanning PLU, the item descriptor appears here.

③ **Item counter**
Number of item sold is displayed.

④ **Subtotal amount**
Current subtotal amount (add-on tax excluded) is displayed.

⑤ **Number of repeats**
Anytime you perform a repeat registration (pages 30, 35), the number of repeats appears here.
Note that only one digit is displayed for the number of repeats. This means that a "5" could mean 5, 15 or even 25 repeats.

⑥ **2nd, 3rd menu indicator**
When you press $\boxed{\substack{\text{PRICE} \\ \text{SHIFT}}}$ to designate the 2nd/3rd unit price, the corresponding number is displayed.

⑦ **Taxable sales status indicators**
When you register a taxable item, the corresponding indicator is lit.
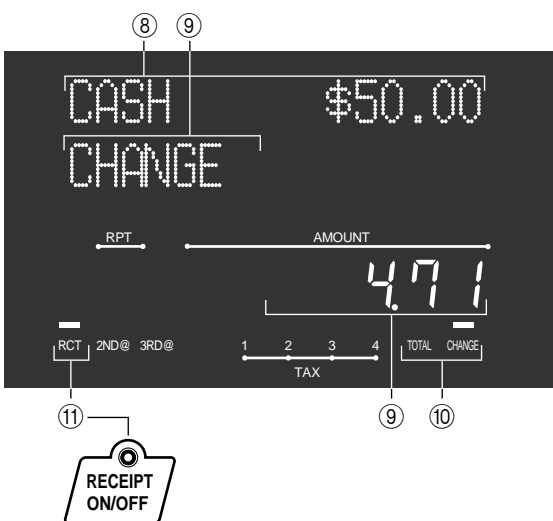
⑧ **Amount tendered key descriptor/amount**

⑨ **Change descriptor/amount**

⑩ **Total/Change indicators**
When the TOTAL indicator is lit, the displayed value is monetary total or subtotal amount. When the CHANGE indicator is lit, the displayed value is the change due.

⑪ **RCT indicator**
When the register issues receipts, this indicator is lit.

Introducing TK-T500

Keyboard
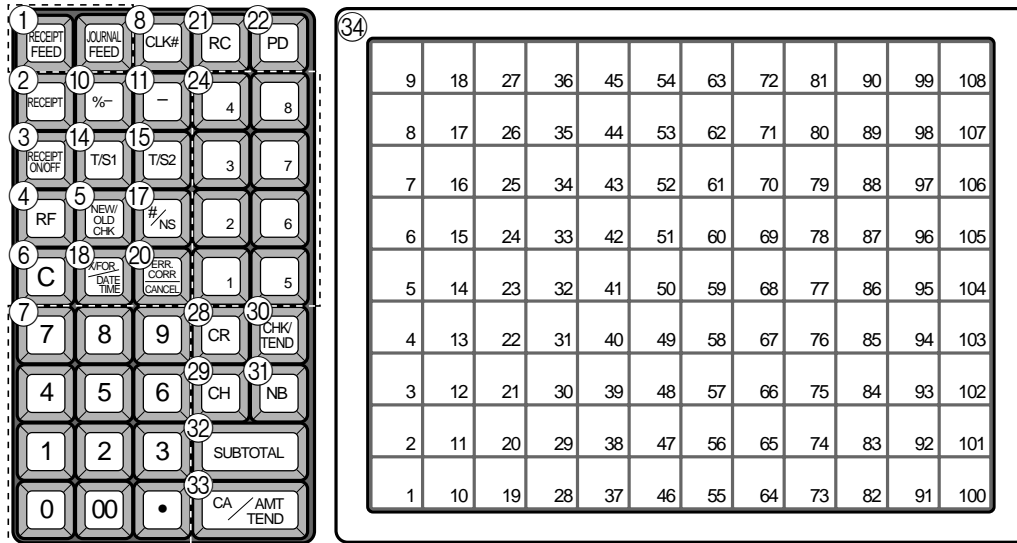
for U.S.

• Register Mode

① **Paper feed key** [RECEIPT FEED], [JOURNAL FEED]
Hold this key down to feed paper from the printer.

② **Post receipt key** [RECEIPT]
Use this key to produce a post-finalization receipt.

③ **Receipt on/off key** [RECEIPT ON/OFF]
Use this key twice to change the status "receipt issue" or "no receipt." In case of "receipt issue", the indicator is lit.

④ **Refund key** [RF]
Use this key to input refund amounts and void certain entries.

⑤ **New/old check key** [NEW/OLD]
Use this key in a check tracking system to input check numbers in order to open new checks and to reopen existing checks.

⑥ **Clear key** [C]
Use this key to clear an entry that has not yet been registered.

⑦ **Ten key pad** [0], [1] ~ [9], [00], [·]
Use these keys to input numbers.

⑧ **Clerk number key** [CLK#]
Use this key to sign clerk on and off the register.

⑨ **Open key** [OPEN]
Use this key to temporarily release a limitation on the number of digits that can be input for a unit price.

⑩ **Discount key** [%−]
Use this key to register discounts.

⑪ **Minus key** [−]
Use this key to input values for subtraction.

⑫ **Loan key** [LOAN]
This key is used to input the amount of money provided for making change. This operation affects media totals, rather than sales totals. Loans are made for all types of money which can be specified by the finalize key.

⑬ **Pick up key** [PICK UP]
When the amount in drawer exceeds the limit value (sentinel function), the manager performs a pick up operation. This key is used for this function. This operation affects media totals, rather than sales totals. Pick ups are made for all types of money which can be specified by the finalize key.

⑭ **Tax status shift 1 key** [T/S1]
Use this key to change the Taxable 1 status of the next item.

⑮ **Tax status shift 2 key** [T/S2]
Use this key to change the Taxable 2 status of the next item.

⑯ **Currency exchange key** [CE]
Use this key to convert foreign currency to local currency or vice versa using the exchange rate preset for the key and displays the result.

⑰ **Non-add/No sale key** [#/NS]
Non-add key: To print reference number (to identify a personal check, credit card, etc.) during a transaction, use this key after some numerical entries.
No sale key: Use this key to open the drawer without registering anything.
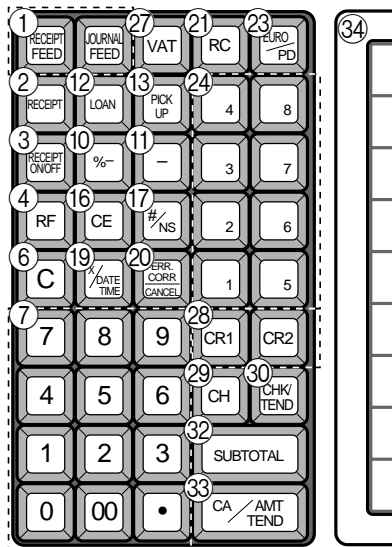
for German
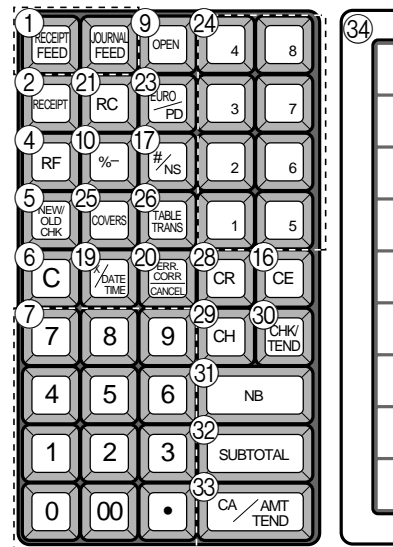
for other area

⑱ **Multiplication/For/Date/Time key** $\boxed{\substack{\text{X / FOR} \\ \text{DATE} \\ \text{TIME}}}$

Use this key to input a quantity for a multiplication operation and registration of split sales of packaged items. Between transactions, this key displays the current time and date.

⑲ **Multiplication/Date/Time key** $\boxed{\substack{\text{X/DATE} \\ \text{TIME}}}$

Use this key to input a quantity for a multiplication operation. Between transactions, this key displays the current time and date.

⑳ **Error correction/Cancellation key** $\boxed{\substack{\text{ERR CORR.} \\ \text{CANCEL}}}$

Use this key to correct registration errors and to cancel registration of entire transactions.

㉑ **Received on account key** $\boxed{\text{RC}}$

Use this key following a numeric entry to register money received for non-sale transactions.

㉒ **Paid out key** $\boxed{\text{PD}}$

Use this key following a numeric entry to register money paid out from the drawer.

㉓ **Euro/Paid out key** $\boxed{\substack{\text{EURO.} \\ \text{PD}}}$

Euro key: Use this key to convert the main currency to the sub currency (the euro/the local money), when registering a subtotal amount. This key is also used for specifying sub currency while entering an amount of payment or declaration in drawers.

Paid out key: Use this key following a numeric entry to register money paid out from the drawer.

㉔ **Department keys** $\boxed{\text{1}}$, $\boxed{\text{2}}$, $\boxed{\text{3}}$ ~ $\boxed{\text{8}}$

Use these keys to register items to departments.

㉕ **Customer number key** $\boxed{\text{COVERS}}$

Use this key to register the number of customers.

㉖ **Table transfer key** $\boxed{\substack{\text{TABLE} \\ \text{TRANS}}}$

Use this key to transfer the contents of a check to another check.

㉗ **VAT key** $\boxed{\text{VAT}}$

Use this key to print a VAT breakdown.

㉘ **Credit key** $\boxed{\text{CR1}}$, $\boxed{\text{CR2}}$, $\boxed{\text{CR}}$

Use this key to register a credit sale.

㉙ **Charge key** $\boxed{\text{CH}}$

Use this key to register a charge sale.

㉚ **Check key** $\boxed{\substack{\text{CHK/} \\ \text{TEND}}}$

Use this key to register a check tender.

㉛ **New balance key** $\boxed{\text{NB}}$

Use this key for adding the latest registered total amount to the previous balance to obtain a new balance.

㉜ **Subtotal key** $\boxed{\substack{\text{SUB} \\ \text{TOTAL}}}$

Use this key to display and print the current subtotal (includes add-on tax) amount.

㉝ **Cash/Amount tendered key** $\boxed{\substack{\text{CA/AMT} \\ \text{TEND}}}$

Use this key to register a cash tender.

㉞ **Flat PLU key** $\boxed{\text{001}}$, $\boxed{\text{002}}$ ~ $\boxed{\text{108}}$

Use these keys to register items to flat PLUs.

* If you use $\boxed{\text{NB}}$ or $\boxed{\substack{\text{NEW/} \\ \text{OLD}}}$, please ask your dealer.
(Selection of check tracking initialization pattern is necessary.)

Introducing TK-T500

Allocatable functions

You can tailor a keyboard to suit your particular type of business.

Add check

Use this key in a check tracking system to combine the details of more than one check into a single check.

Arrangement

Use this key to activate an arrangement program programmed in the arrangement file. Any operation that can be performed from the keyboard, as well as mode, can be programmed in an arrangement program, and can be performed merely by pressing this key. In addition, one numeric entry can be included in an arrangement program. In this case, input the number and press this key.

The mode control function of this key can be programmed for all modes except for the OFF and PGM mode.

Bill copy

Use this key to issue bill copy.

Bottle return

Use this key to specify next item as bottle return.

Cancel

Invalidates all preceding data registered for departments, PLUs and set menus within a transaction. This key must be pressed before the transaction involving the data to be invalidated is finalized. It is also effective even after calculation of subtotal amount.

Check endorsement

Use this key to print a preset check endorsement message using the slip printer.

Check print

Use this key to print the check on the slip printer.

Clerk transfer

Use this key to transfer opened checks to another clerk.

Coupon

Use this key for registering coupons.

Coupon 2

Use this key to declare the next item registration as coupon.

Cube

This key provides the same functions as the Square key. In addition, this key also has a cube multiplication function.

Currency exchange

Use this key to convert foreign currency to local currency or vice versa using the exchange rate preset for the key and displays the result.

Use this key for conversions of a home currency subtotal or merchandise subtotal to equivalent of another country's currency.

Use this key for conversions of another country's currency to the equivalent of the home currency.

Customer number

Use this key to register the number of customers.

Declaration

Use this key to declare in drawer amount for money declaration.

Deposit

Use this key to register deposits.

Eat-in

Use this key to specify if the customer eats in the restaurant. Before closing a transaction press this key.

EBT (electronic benefit transfer)

Use this key to register an EBT amount with a tender amount input.

Food stamp shift

Use this key to change food stamp status.

Food stamp subtotal

Use this key to obtain the food stamp applicable amount.

Food stamp tender

Use this key to register a food stamp payment amount with a tender amount input.

Ketten Bon

Use this key to enter quantities for multiplication. Multiplication by this key issues singular order prints.

Manual tax

Use this key to register a tax amount.

Menu shift

Use this key to shift key to the 1st ~ 6th menu.

Merchandise subtotal

Use this key to obtain subtotal excluding the add-on tax amount and the previous balance.

New balance

Use this key for adding the latest registered total amount to the previous balance to obtain a new balance.

New check

Use this key in a check tracking system to input a new check number in order to open a new check under that number.

New/Old check

Use this key in a check tracking system to input check numbers in order to open new checks and to reopen existing checks. When the clerk inputs a check number, the register checks to see if that number already exists in the check tracking memory. If there is no matching number in the memory, a new check is opened under the input number. If the check number input matches a number already stored in the memory, that check is reopened for further registration or finalization.

No sale

Use this key to open the drawer between transaction.

Non add

Use this key to print reference numbers (personal check number, card number, etc.)

Normal receipt

Use this key to change the order status from Bon to normal.

OBR (Optical barcode reader)

Use this key to input optical barcodes manually.

Old check

Use this key in a check tracking system to input the number of an existing check (previously created by the New check key) whose details are stored in the check tracking memory. Existing checks are reopened to perform further registration or to finalize them.

One touch NLU

Use this key to register scanning PLU directly from the keyboard. There is one One touch NLU key for one scanning PLU, and multiple one touch NLU keys can be set on the keyboard.

Open 2

Use this key to suspend the compulsory specifications.

Open check

Use this key to issue an open check report of an assigned clerk.

Operator number

Use this key to enter a clerk number during clerk transfer.

Operator X/Z

Use this key to issue a clerk's individual X/Z report.

Plus

Use this key for registering surcharge.

Premium

Use this key to apply a preset % or manual input % to obtain the premium amount for the last registered item or subtotal.

Previous balance

Use this key to register the previous negative/positive balance at the beginning of or during a transaction.

Previous balance subtotal

Use this key to obtain subtotal excluding the add-on tax amount and current balance.

Price

Use this key to register an open PLU.

Price change

Use this key to change scanning PLU unit price temporarily.

Price inquiry

Use this key to confirm the price and descriptors of PLU without registering.

Price shift

Use this key to shift a PLU item/flat-PLU key to the 1st ~ 2nd unit price, a scanning PLU to the 1st ~ 3rd unit price.

Rate tax

Use this key to activate the preset tax rate or manually input rate to obtain the tax for the preceding taxable status 1 amount.

Recall

Use this key for recalling the transferred check number by the store key. When this key is pressed, the check number will appear in order of the oldest record.

Red price

Use this key to register a new (discounted) price of an item.

Review

Use this key to examine the current transaction by displaying item descriptor and registered amount. This key is also used for void operation or separate check operation.

Scale

Use this key to read the weight of the item and shows it on the display. This key is also used to input the weight manually.

Separate check

Use this key in a check tracking system to separate selected items from one check to another check.

Slip feed/release

Use this key to feed slips inserted into the slip printer. This is done by specifying the number of feed lines. This key is also used to release the slip paper holder if numbers are not entered.

Slip back feed/release

Use this key to back feed slips inserted into the slip printer. This is done by specifying the number of feed lines. This key is also used to release the slip paper holder if numbers are not entered.

Slip print

Use this key to execute a slip batch printing on the slip printer. Pressing this key prints the sales details. Actual printing is performed following receipt issuance.

Square

This key provides the same functions as the Multiplication key. In addition, this key also has a square multiplication function.

Stock inquiry

Use this key to check the current stock quantity for a PLU without registering.

Store

Use this key for storing the check number of the registered items. When this key is pressed, registered item data will be stored, and then these data will transfer to the youngest check number.

Table number

Use this key to input table numbers.

Table transfer

Use this key to transfer the contents of a check to another check.

Takeout

Use this key to specify if the customer takes out items. Before total a transaction. Press this key for the tax exemption.

Tare

Use this key to input tare weight.

Tax exempt

Use this key to change taxable amounts to nontaxable amounts.

Taxable amount subtotal

Use this key to obtain taxable amount subtotal.

Text print

Use this key to enter characters to print.

Text recall

Use this key to print preset characters.

Tip

Use this key to register tips.

Tray total

Use this key to display the total amount for all registrations from the last registration until this key is pressed or registrations between presses of this key.

Unit weight

Use this key to input the unit weight of a scalable item.

Void

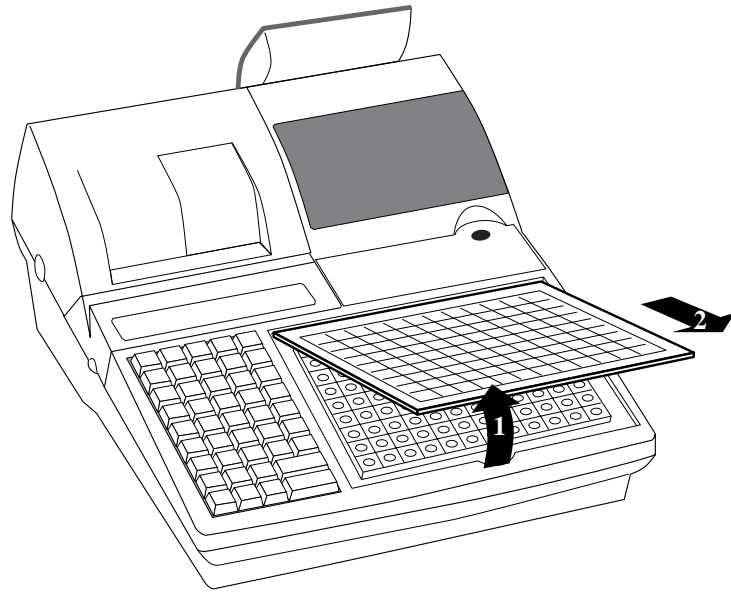Use this key to invalidate preceding item data registered.

Introducing TK-T500

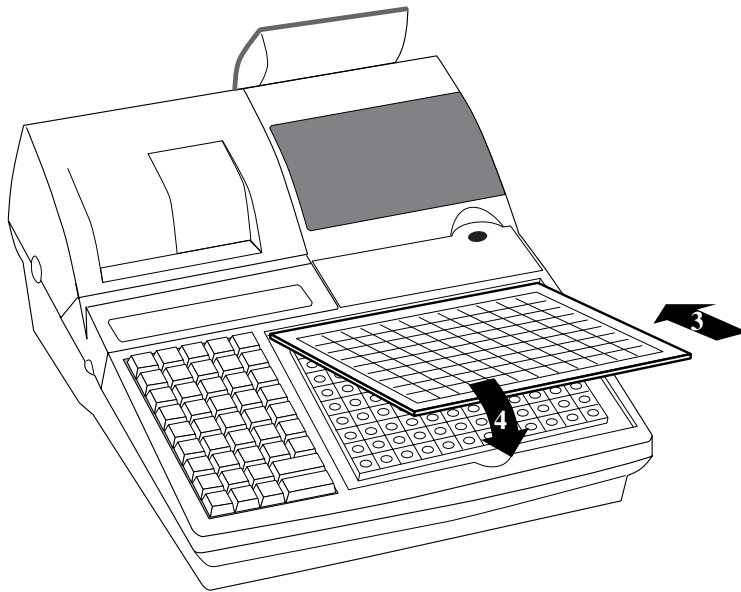## How to remove/replace the sheet holder

Remove the sheet holder

Follow steps 1 ~ 2.

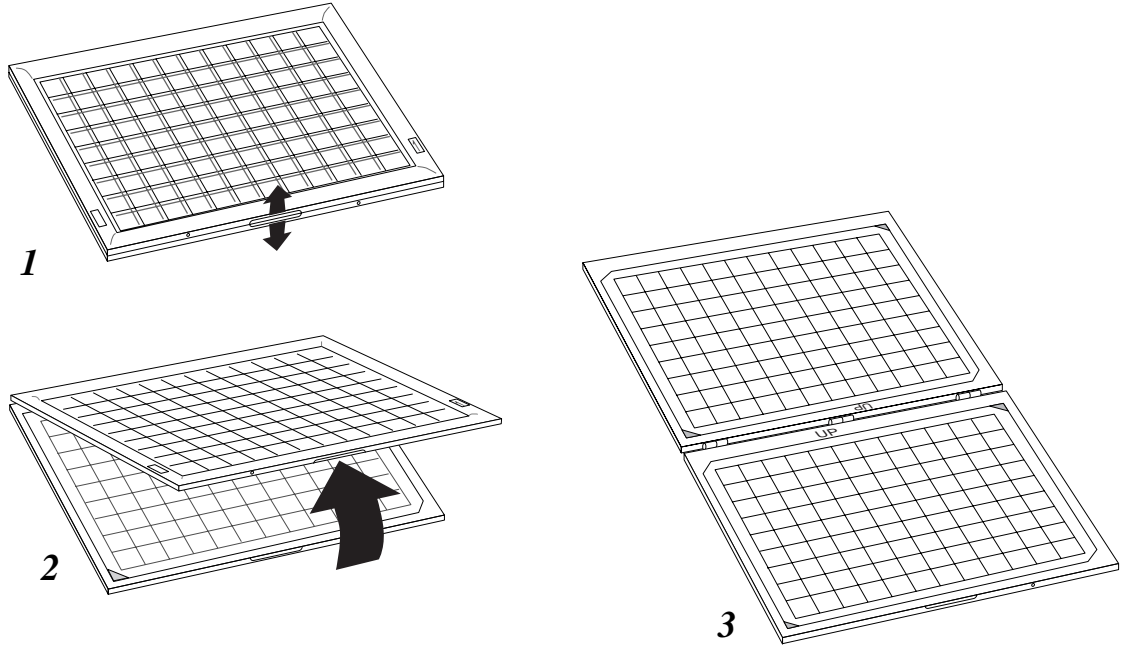### Replace the sheet holder

Follow steps 3 ~ 4.
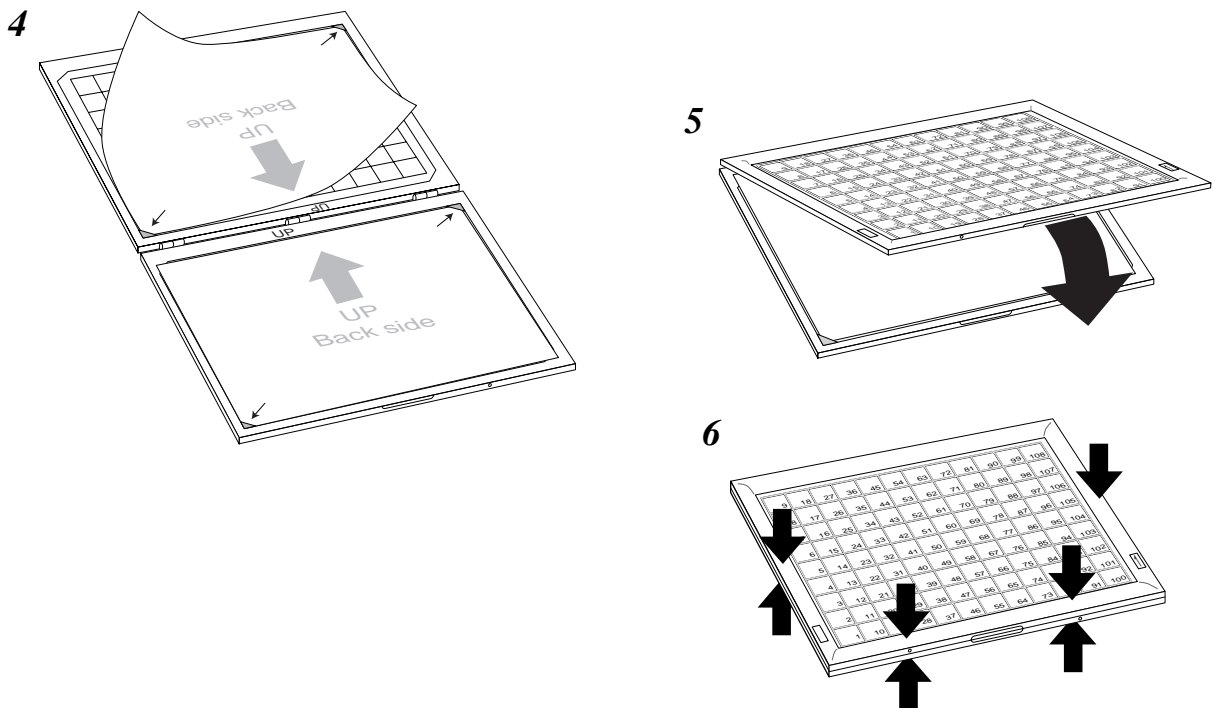
How to install a menu sheet in the sheet holder

Open the sheet holder

Follow the steps 1 ~ 3.

1

2

3

Set a menu sheet in the sheet holder

Follow the steps 4 ~ 6.

4

5

6

How to read the printouts

- The journal and receipts are records of all transactions and operations.
- The contents printed on receipts and journal are almost identical.
- To save journal paper, you can choose the character height (standard/half) of journal.
- You can choose the journal skip function.
  If the journal skip function is selected, the cash register will print the total amount of each transaction, and the details of premium, discount and reduction operations only, without printing department and PLU item registrations on the journal.
- The following items can be skipped on receipts and journal.
  - Consecutive number
  - Taxable status
  - Taxable amount
  - Item counter

Receipt Sample

```
************************
     * THANK YOU *
 **    CALL AGAIN    **
************************

 *  COMMERCIAL MESSAGE  *
 *  COMMERCIAL MESSAGE  *
 *  COMMERCIAL MESSAGE  *
 *  COMMERCIAL MESSAGE  *

REG  03-06-2000(SAT) 11:58
C01        MC#01     000123

1 DEPT01       T1      ·1.00
1 DEPT02       T1      ·2.00
5 DEPT03               ·5.00
         7 No
  TA1                  ·3.00
  TX1                  ·0.15
  TL              ·8.15
  CASH               ·10.00
  CG                   ·1.85

 ***  BOTTOM MESSAGE  ***
 ***  BOTTOM MESSAGE  ***
 ***  BOTTOM MESSAGE  ***
 ***  BOTTOM MESSAGE  ***
```

— Logo message

— Commercial message

— Mode/Date/Time
— Clerk/Machine No.
— Consecutive No.

— Q'ty/Item

— Item counter

— Bottom message

**Journal Sample
(Standard height character)**

```
REG  03-06-2000(SAT) 11:58
C01        MC#01     000123
1 DEPT01       T1      ·1.00
1 DEPT02       T1      ·2.00
5 DEPT03               ·5.00
         7 No
  TA1                  ·3.00
  TX1                  ·0.15
  TL              ·8.15
  CASH               ·10.00
  CG                   ·1.85
REG  03-06-2000(SAT) 11:59
C01        MC#01     000124
1 DEPT01       T1      ·1.00
1 DEPT12       T1      ·1.00
5 DEPT03               ·6.00
         7 No
  TA1                  ·2.00
  TX1                  ·0.10
  TL              ·8.10
  CASH               ·10.00
  CG                   ·1.90
REG  03-06-2000(SAT) 11:59
C01        MC#01     000124
```

**Journal Sample
(Half height character)**

```
REG  03-06-2000(SAT) 11:58
C 01        MC#0        123
1 DEPT01       T1      ·1.00
1 DEPT02       T1      ·2.00
5 DEPT03               ·5.00
         7 No
  TA1                  ·3.00
  TX1                  ·0.15
  TL              ·8.15
  CG                   ·1.85
REG  03-06-2000(SAT) 11:59
C 01        MC#01     000124
1 DEPT01       T1      ·1.00
1 DEPT12       T1      ·1.00
5 DEPT03               ·6.00
         7 No
  TA1                  ·2.00
  TX1                  ·0.10
  TL              ·8.10
  CASH               ·10.00
  CG                   ·1.90
REG  03-06-2000(SAT) 11:59
C 0        MC#01     000125
```

In the operation examples contained in this manual, the print samples are what would be produced if the roll paper is being used for receipts. They are not actual size. Actual receipts are 58 mm wide. Also, all sample receipts and journals are printout images.

How to use your cash register

The following describes the general procedure you should use in order to get the most out of your cash register.

BEFORE business hours…
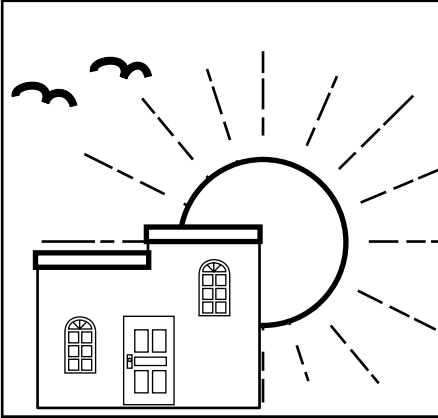
- Check to make sure that the cash register is plugged in securely.   Page 9
- Check to make sure there is enough paper left on the roll.   Pages 10, 11
- Read the financial totals to confirm that they are all zero.   Page 101
- Check the date and time.   Page 29

DURING business hours…

- Register transactions.   Page 30
- Periodically read totals.   Page 100
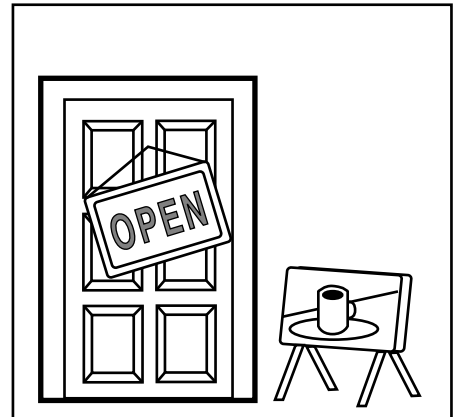
AFTER business hours…
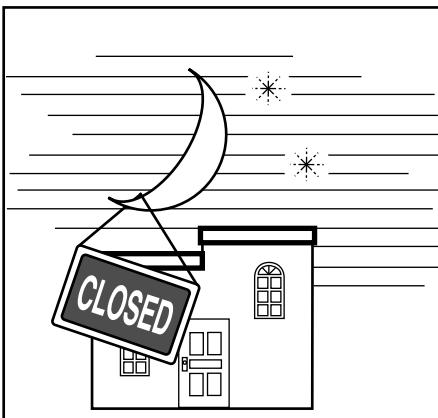
- Reset the daily totals.   Page 50
- Remove the journal.   Page 116
- Empty the cash drawer and leave it open.   Page 17
- Take the cash and journal to the office.

Basic Operations and Setups

Basic Operations and Setups

Assigning a clerk
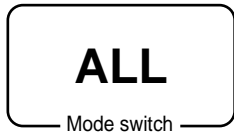
ALL
— Mode switch —

On models available in the United States and Canada, clerk or cashier assignment can be performed using clerk secret numbers only (clerk buttons are not equipped).
In Germany, you can assign clerks by using clerk key or by clerk secret number (clerk key is equipped).
In other areas, you can assign clerks by using clerk button or by clerk secret number. The method you of assigning clerk depends on the programming of your cash register.

Clerk button

You can assign the clerk or cashier using the six buttons located below the display panel.

Clerk lock/clerk key

You can assign the clerk or cashier inserting a clerk key into the clerk lock .

Clerk secret number key

When the cash register is programmed to use clerk secret numbers for clerk or cashier assignment, the clerk buttons are not functional.

Clerk sign on

	OPERATION	RECEIPT
Signing clerk 1 on:	**1** ➡ CLK#	
Signing clerk 2 on:	**2** ➡ CLK#	* COMMERCIAL MESSAGE *
	.	REG 03-06-2000(SAT) 11:58
	.	C01 MC#01 000123 — Clerk name/machine No./consecutive No.
	.	
Signing clerk 15 on:	**1** **5** ➡ CLK#	1 DEPT01 T1 ·1.00

Clerk secret number
(1 ~ 15 is set as default.)

• If you do not want the clerk secret number to be shown on the display, press CLK# before entering the number.

Clerk sign off

	OPERATION
Signing clerk off: (except PGM mode)	**0** ➡ CLK#

• The current clerk is also signed off whenever you set the mode switch to OFF position.

Important!

• The error code "E008" appears on the display whenever you try to perform a registration, a read/reset operation without signing on.

• A clerk cannot sign on unless other clerk is signed off.

• The signed on clerk is also identified on the receipt/journal.

Displaying the time and date

REG
— Mode switch —
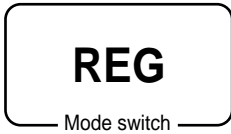
You can show the time or date on the display of the cash register whenever there is no registration being made.

To display and clear the date/time

OPERATION	DISPLAY
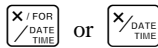
⌈X/FOR DATE TIME⌉ or ⌈X/DATE TIME⌉
Date/time appears on the display.

```
03-06-2000 (SAT)
              08-30.
```
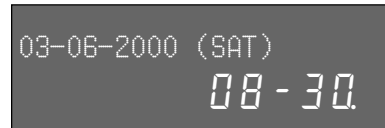
⌈ C ⌉
Clears the date/time display.

```
REG
C:01
              0.00
```

Preparing coins for change

REG
— Mode switch —

You can use the following procedure to open the drawer without registering an item. This operation must be performed out of a sale.
(You can use the ⌈RC⌉ key instead of the ⌈#/NS⌉ key. See page 49.)

Opening the drawer without a sale

OPERATION	RECEIPT

⌈#/NS⌉

```
#/NS            · · · · · · · · ·
```

Basic Operations and Setups

Preparing and using department/flat-PLU keys

Registering department/flat-PLU keys

REG
— Mode switch —

The following examples show how you can use the department/flat-PLU keys in various types of registrations.

Single item sale

Example 1

			OPERATION	RECEIPT

Item	Unit price	$1.00
	Quantity	1
	Dept.	1
Payment	Cash	$1.00

1 00
Unit price

1
Department

CA/AMT TEND

```
1 DEPT01          ·1.00
  TL            · 1.00
  CASH            ·1.00
```
Department No./ unit price
Total amount

Example 2 (Subtotal registration and change computation)

OPERATION   RECEIPT

Item	Unit price	$12.34
	Quantity	1
	Flat-PLU	1
Payment	**Cash**	**$20.00**

1 2 3 4
Unit price

001
Flat-PLU

SUB TOTAL

2 0 00 **CA/AMT TEND**
Amount tendered

```
1 PLU001          ·12.34
  TL          · 12.34
  CASH            ·20.00
  CG              ·7.66
```
Total amount
Amount tendered
Change

Repeat

OPERATION   RECEIPT

Item	Unit price	$1.50
	Quantity	**3**
	Dept.	1
Payment	Cash	$10.00

1 5 0 **1**

1

1

SUB TOTAL

1 0 00 **CA/AMT TEND**

```
3 DEPT01          ·4.50
  TL           · 4.50
  CASH            ·10.00
  CG              ·5.50
```
Repeat items are gathered to one line.

* Programmable option

Multiplication

	OPERATION	**RECEIPT**

Item	Unit price	$1.00
	Quantity	**12**
	Flat-PLU	1
Payment	Cash	$20.00

OPERATION

`1` `2` `X/DATE TIME`
Quantity
(4-digit integer/2-digit decimal)

`1` `00` `001`

`SUB TOTAL`

`2` `0` `00` `CA/AMT TEND`

RECEIPT

```
12 PLU0001            ·12.00        Quantity/result
                                    or
     12X      @1/ 1.00              Quantity/unit q'ty/@
PLU0001              ·12.00         Result

  TL           ·12.00
  CASH          ·20.00
  CG             ·8.00
```

- The model for the U.S./Canada, use `X/FOR DATE TIME` instead of `X/DATE TIME`.

Split sales of packaged items

Item	Unit price	4 for $10.00
	Quantity	**3**
	Dept.	1
	Taxable	No
Payment	Cash	$10.00

OPERATION

`3` `X/FOR DATE TIME`
Quantity being purchased
(4-digit integer/2-digit decimal)

`4` `X/FOR DATE TIME`
Package quantity
(4-digit integer/2-digit decimal)

`1` `0` `00` `1`
Package price `SUB TOTAL`

`1` `0` `00` `CA/AMT TEND`

RECEIPT

```
3 DEPT01              ·7.50         Quantity/result
                                    or
     3X       @4/ 10.00             Quantity/unit q'ty/@
DEPT01               ·7.50          Result

  TL            ·7.50
  CASH          ·10.00
  CG             ·2.50
```

- If `X/FOR DATE TIME` is not allocated on the keyboard, key allocation is necessary.

Programming department/flat-PLU keys

To program a unit price for each department/flat-PLU

Different setting

Same setting

PGM — Mode switch → `1` `SUB TOTAL` → ☐☐☐☐☐☐ Unit price → Department / Flat-PLU → `SUB TOTAL`
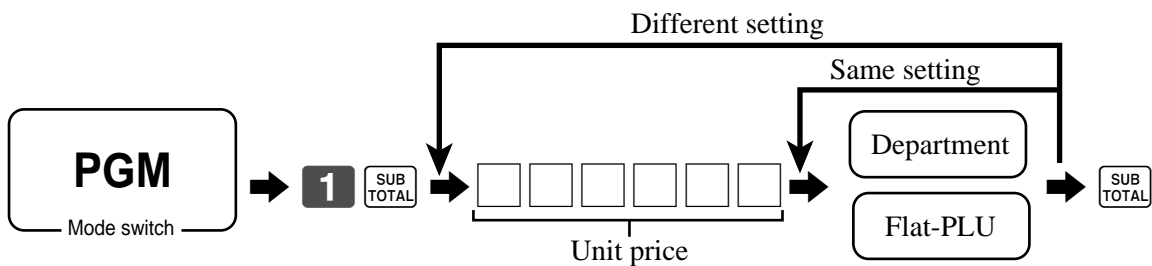
To program the tax calculation status for each department/flat-PLU

Tax calculation status

This specification defines which tax table should be used for automatic tax calculation.

Basic Operations and Setups

Basic Operations and Setups

Programming procedure

To another department/flat-PLU

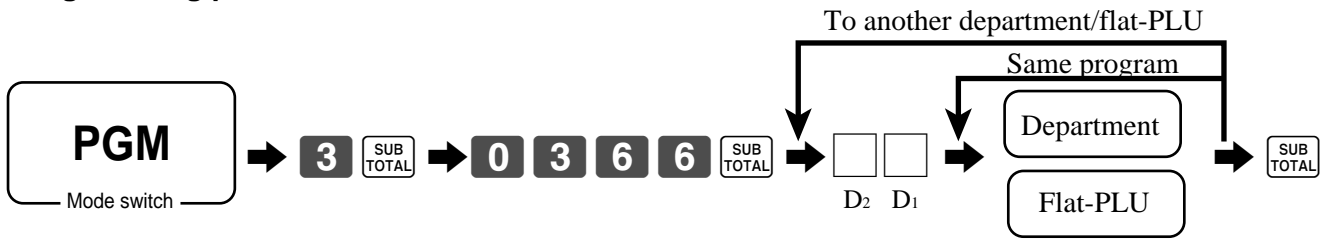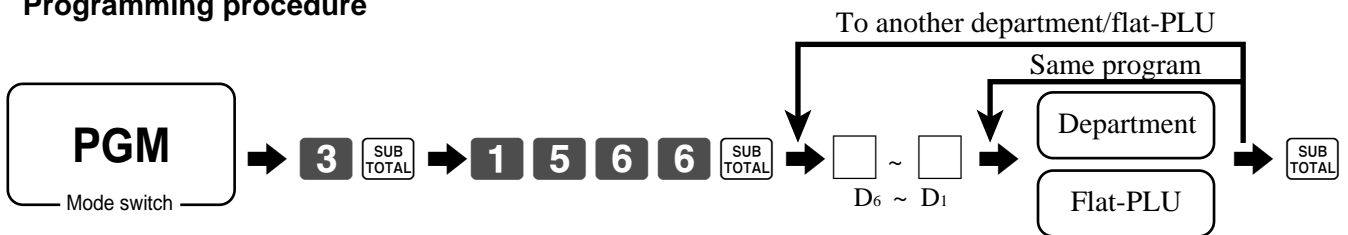Same program

PGM (Mode switch) → 3 [SUB TOTAL] → 0 3 6 6 [SUB TOTAL] → ☐ ☐ (D₂ D₁) → Department / Flat-PLU → [SUB TOTAL]

for the U.S./Singapore			
Food stamp (for Singapore, always "0")		Yes = 1 No = 0	☐ D₂
Taxable 1 status	a	Yes = 1 No = 0	☐ (a+b+c) D₁
Taxable 2 status	b	Yes = 2 No = 0	
Taxable 3 status	c	Yes = 4 No = 0	
for Canada			
Donuts status		Yes = 1 No = 0	☐ D₂
Non tax = 0　　　Taxable 3 = 3　　　Taxable 1 & 3 = 6 Taxable 1 = 1　　Taxable 4 = 4　　Taxable 1 & 4 = 7 Taxable 2 = 2　　Taxable 1 & 2 = 5		Significant number	☐ D₁
for other area			
Non tax = 0　　　Taxable 4 = 4　　　Taxable 8 = 8 Taxable 1 = 1　　Taxable 5 = 5　　Taxable 9 = 9 Taxable 2 = 2　　Taxable 6 = 6　　Taxable 10 = 10 Taxable 3 = 3　　Taxable 7 = 7		Significant numbers	☐☐ D₂ D₁

To program high amount limit for each department/flat-PLU

Programming procedure

To another department/flat-PLU

Same program

PGM (Mode switch) → 3 [SUB TOTAL] → 1 5 6 6 [SUB TOTAL] → ☐ ~ ☐ (D₆ ~ D₁) → Department / Flat-PLU → [SUB TOTAL]

Description	Choice	Program code
High amount limit for entering unit price manually.	Significant numbers	☐☐☐~☐☐ D₆ D₅ ~ D₂ D₁

Registering department/flat-PLU keys by programming data

REG
— Mode switch —

Preset price

OPERATION   **RECEIPT**

	Unit price	($1.00)_{preset}
Item	Quantity	1
	Dept.	2
Payment	Cash	$1.00

`2`
`CA/AMT TEND`
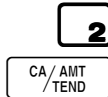
```
1 DEPT02              ·1.00      Department No./
  TL              ·1.00         unit price
  CASH              ·1.00
```

Preset tax status

OPERATION   **RECEIPT**

	Unit price	($2.00)_{preset}
	Quantity	5
Item 1	Dept.	3
	Taxable	**(1)_{preset}**
	Unit price	($2.00)_{preset}
	Quantity	1
Item 2	Dept.	4
	Taxable	**(2)_{preset}**
Payment	Cash	$20.00

`5` `X/DATE TIME`
`3`
`4`
`SUB TOTAL`
`2` `0` `00` `CA/AMT TEND`
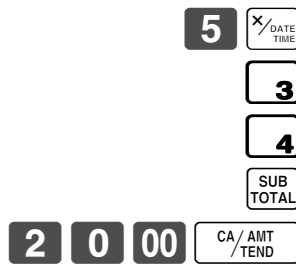
```
5 DEPT03    T1       ·10.00      ── Tax status
1 DEPT04    T2        ·2.00
  TA1                ·10.00      ── Taxable Amount 1
  TX1                 ·0.40      ── Tax 1
  TA2                 ·2.00      ── Taxable Amount 2
  TX2                 ·0.20      ── Tax 2
  TL               ·12.60
  CASH               ·20.00
  CG                  ·7.40
```
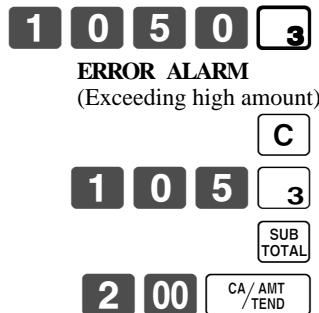
• The model for the U.S./Canada, use `X/FOR DATE TIME` instead of `X/DATE TIME`.

Locking out high amount limitation

OPERATION   **RECEIPT**

	Unit price	$1.05
	Quantity	1
Item	Dept.	3
	Max.amount	**($10.00)_{preset}**
Payment	Cash	$2.00

`1` `0` `5` `0` `3`
ERROR ALARM
(Exceeding high amount)
`C`
`1` `0` `5` `3`
`SUB TOTAL`
`2` `00` `CA/AMT TEND`

```
1 DEPT03              ·1.05
  TL               ·1.05
  CASH               ·2.00
  CG                  ·0.95
```
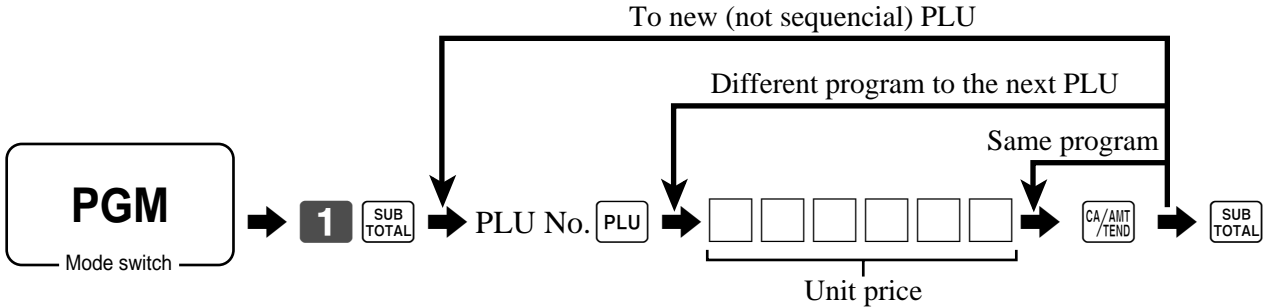
Preparing and using PLUs

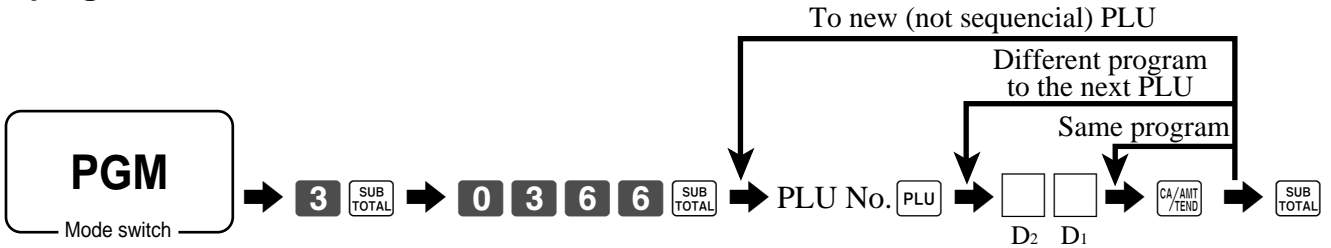This section describes how to prepare and use PLUs.

CAUTION:

Before you use PLUs, you must first program the unit price and tax status.

### Programming PLUs

To program a unit price for each PLU

To new (not sequential) PLU

Different program to the next PLU

Same program

PGM
Mode switch → 1 [SUB TOTAL] → PLU No. [PLU] → ☐☐☐☐☐☐ → [CA/AMT /TEND] → [SUB TOTAL]

Unit price

To program tax calculation status for each PLU

To new (not sequential) PLU

Different program to the next PLU

Same program

PGM
Mode switch → 3 [SUB TOTAL] → 0 3 6 6 [SUB TOTAL] → PLU No. [PLU] → ☐ ☐ → [CA/AMT /TEND] → [SUB TOTAL]

D₂ D₁

for the U.S./Singapore			
Food stamp (for Singapore, always "0")		Yes = 1 No = 0	☐ D_2
Taxable 1 status	a	Yes = 1 No = 0	
Taxable 2 status	b	Yes = 2 No = 0	☐ (a+b+c) D_1
Taxable 3 status	c	Yes = 4 No = 0	
for Canada			
Donuts status		Yes = 1 No = 0	☐ D_2
Non tax = 0 Taxable 3 = 3 Taxable 1 & 3 = 6 Taxable 1 = 1 Taxable 4 = 4 Taxable 1 & 4 = 7 Taxable 2 = 2 Taxable 1 & 2 = 5		Significant number	☐ D_1
for other area			
Non tax = 0 Taxable 4 = 4 Taxable 8 = 8 Taxable 1 = 1 Taxable 5 = 5 Taxable 9 = 9 Taxable 2 = 2 Taxable 6 = 6 Taxable 10 = 10 Taxable 3 = 3 Taxable 7 = 7		Significant numbers	☐☐ D_2 D_1

Registering PLUs

REG

— Mode switch —
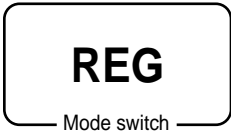
The following examples show how you can use PLUs in various types of registrations.

PLU single item sale

OPERATION   **RECEIPT**

Item	Unit price	($2.50)$_{preset}$
	Quantity	1
	PLU	**14**
Payment	Cash	$3.00

1 **4**
PLU code

[PLU]

[SUB TOTAL]

3 **00** [CA/AMT TEND]

```
1 PLU0014          ·2.50      — PLU No./unit price
TL               ·2.50
CASH               ·3.00
CG                 ·0.50
```

PLU repeat

OPERATION   **RECEIPT**

Item	Unit price	($2.50)$_{preset}$
	Quantity	**3**
	PLU	14
Payment	Cash	$10.00

1 **4** [PLU]

[PLU]

[PLU]

[SUB TOTAL]

1 **0** **00** [CA/AMT TEND]

```
3 PLU0014          ·7.50
TL               ·7.50
CASH              ·10.00
CG                 ·2.50
```

PLU multiplication

OPERATION   **RECEIPT**

Item	Unit price	($2.00)$_{preset}$
	Quantity	**10**
	PLU	7
Payment	Cash	$20.00

1 **0** [X/DATE TIME]
Quantity
(4-digit integer/2-digit decimal)

7 [PLU]

[SUB TOTAL]

2 **0** **00** [CA/AMT TEND]

```
10 PLU0007         ·20.00     — Quantity/result
                                 or
    10X        @1/ 2.00       — Quantity/unit q'ty/@
PLU0007            ·20.00     — Result

TL               ·20.00
CASH              ·20.00
CG                 ·0.00
```

• The model for the U.S./Canada, use [X/FOR DATE TIME] instead of [X/DATE TIME].

Basic Operations and Setups

Basic Operations and Setups

Split sales of packaged item

			OPERATION		RECEIPT

Item	Unit price	(5for$20.00)preset
	Quantity	**3**
	PLU	28
Payment	Cash	$15.00

OPERATION

3 [X/FOR DATE TIME]
Quantity being purchased
(4-digit integer/2-digit decimal)

5 [X/FOR DATE TIME]
Package quantity
(4-digit integer/2-digit decimal)

2 **8** [PLU]

[SUB TOTAL]

1 **5** **00** [CA/AMT TEND]

RECEIPT

```
3 PLU0028              ·12.00 ─┐ Quantity/result
                               │ or
         3X      @5/ 20.00 ─┐  │ Quantity/unit q'ty/@
PLU0028                ·12.00 ─┘ Result

  TL              ·12.00
  CASH            ·15.00
  CG               ·3.00
```

- If [X/FOR DATE TIME] is not allocated on the keyboard, key allocation is necessary.

Open PLU

			OPERATION		RECEIPT

	Unit price	$32.80
Item 1	Quantity	1
	PLU	30
	Unit price	$13.00
Item 2	Quantity	2
	PLU	31
Payment	Cash	$60.00

OPERATION

3 **0** [PLU]
3 **2** **8** **0** [PRICE]
Unit price

3 **1** [PLU]
1 **3** **00** [PRICE]
Repeat
[PRICE]

[SUB TOTAL]
6 **0** **00** [CA/AMT TEND]

RECEIPT

```
1 PLU0030              ·32.80
1 PLU0031              ·13.00
1 PLU0031              ·13.00
  TL              ·58.80
  CASH            ·60.00
  CG               ·1.20
```

- Before registering an open PLU, it is necessary to preset it as an open PLU.

Shifting the taxable status of an item

By pressing "Tax Shift" key, you can shift the taxable status of an item.
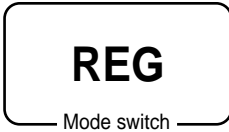
Calculation merchandise subtotal

	Dept. 1	$4.00	
Item 1	Quantity	1	
	Taxable	**(2)**$_{preset}$	
	Dept. 2	$2.00	
Item 2	Quantity	1	
	Taxable	**(No)→1**	
	Dept. 3	$6.00	
Item 3	Quantity	1	
	Taxable	**(1)→1, 2**	
	Dept. 4	$7.00	
Item 4	Quantity	1	
	Taxable	**(2)→No**	
Payment	Cash	$20.00	

OPERATION

4 00 1

T/S1

2 00 2

Pressing T/S1 changes the tax status from Nontaxable to Taxable 1

T/S2

6 00 3

Pressing T/S2 changes the tax status from Taxable 1 to Taxable 1, 2

T/S2

7 00 4

Pressing T/S2 changes the tax status from Taxable 2 to Nontaxable

SUB TOTAL

2 0 00 CA/AMT TEND

RECEIPT

```
1 DEPT01      T2      ·4.00
1 DEPT02      T1      ·2.00
1 DEPT03      T12     ·6.00
1 DEPT04              ·7.00
  TA1                 ·8.00
  TX1                 ·0.32
  TA2                ·10.00
  TX2                 ·0.50
  TL             ·19.82
  CASH               ·20.00
  CG                  ·0.18
```

Important!

- To change the tax status of the next item to be registered, be sure to press T/S1, T/S2.

  If the last item registered is programmed as nontaxable, a discount (%- key) operation on this item is always nontaxable.

  In this case, you cannot manually change the tax status to Taxable 1 or 2 by pressing the T/S1, T/S2 keys.

Basic Operations and Setups

Preparing and using discounts

This section describes how to prepare and register discounts.

Programming discounts

To program a rate to the %− key

PGM
— Mode switch — ➡ **1** SUB/TOTAL ➡ ☐☐☐☐ ➡ %− ➡ SUB/TOTAL

Preset rate
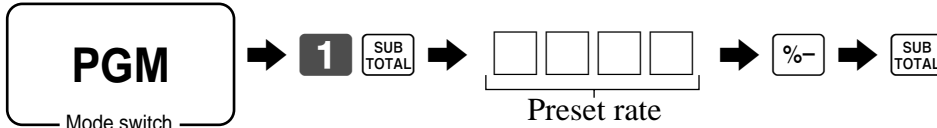
Example:

10% ➡ **1 0**

5.5% ➡ **5 · 5**

12.34% ➡ **1 2 · 3 4**

Registering discounts

REG
— Mode switch —

The following example shows how you can use the %− key in various types of registration.

Discount for items and subtotals

			OPERATION	RECEIPT

	Dept. 1	$5.00
Item 1	Quantity	1
	Taxable	(1)_preset
	PLU 16	($10.00)_preset
Item 2	Quantity	1
	Taxable	(2)_preset
Discount	**Rate**	**(5%)_preset**
Subtotal discount	**Rate**	**3.5%**
	Taxable	**Nontaxable**
Payment	Cash	$15.00

OPERATION

5 00 1

1 6 PLU

%−

Applies the preset discount rate to the last item registered.

SUB/TOTAL

3 · 5 %−

The input value takes priority of the preset value.

SUB/TOTAL

1 5 00 CA/AMT TEND

RECEIPT

```
1 DEPT01      T1      ·5.00
1 PLU0016     T2     ·10.00
   5%
%−            T2      −0.50
ST                   ·14.50
   3.5%
%−                   −0.51
TA1                   ·5.00
TX1                   ·0.20
TA2                   ·9.50
TX2                   ·0.48
TL                  ·14.67
CASH                 ·15.00
CG                    ·0.33
```

• You can manually input rates up to 4 digits long (0.01% to 99.99%).

Taxable status of the %− key

• Whenever you perform a discount operation on the last item registered, the tax calculation for discount amount is performed in accordance with the tax status programmed for that item.

• Whenever you perform a discount operation on a subtotal amount, the tax calculation for the subtotal amount is performed in accordance with the tax status programmed for the %− key.
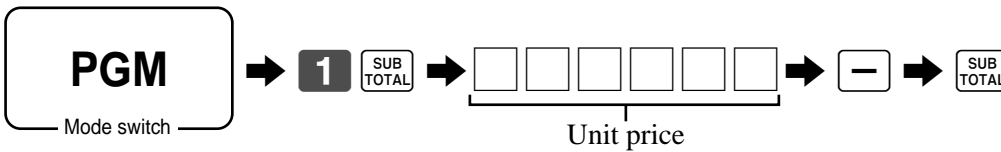
Preparing and using reductions

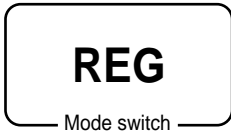This section describes how to prepare and register reductions.

Programming for reductions

You can use the $\boxed{-}$ key to reduce single item or subtotal amounts.

To program preset reduction amount

$$\boxed{\begin{array}{c} \textbf{PGM} \\ \text{Mode switch} \end{array}} \Rightarrow \boxed{1}\ \boxed{\substack{\text{SUB}\\\text{TOTAL}}} \Rightarrow \underbrace{\square\square\square\square\square}_{\text{Unit price}} \Rightarrow \boxed{-} \Rightarrow \boxed{\substack{\text{SUB}\\\text{TOTAL}}}$$

Registering reductions

$$\boxed{\begin{array}{c} \textbf{REG} \\ \text{Mode switch} \end{array}}$$

The following examples show how you can use the $\boxed{-}$ key in various types of registration.

Reduction for items

			OPERATION	RECEIPT

	Dept. 1	$5.00
Item 1	Quantity	1
	Taxable	(1)$_{\text{preset}}$
Reduction	**Amount**	**$0.25**
	PLU 45	($6.00)$_{\text{preset}}$
Item 2	Quantity	1
	Taxable	(1)$_{\text{preset}}$
Reduction	**Amount**	**($0.50)$_{\text{preset}}$**
Payment	Cash	$11.00

OPERATION:

$\boxed{5}\ \boxed{00}\ \boxed{1}$

$\boxed{2}\ \boxed{5}\ \boxed{-}$

Reduces the last amount registered by the value input.

$\boxed{4}\ \boxed{5}\ \boxed{\text{PLU}}$

$\boxed{-}$

$\boxed{\substack{\text{SUB}\\\text{TOTAL}}}$

$\boxed{1}\ \boxed{1}\ \boxed{00}\ \boxed{\substack{\text{CA/AMT}\\\text{TEND}}}$

RECEIPT:

```
1 DEPT01      T1      ·5.00
 −            T1     −0.25
1 PLU0045     T1      ·6.00
 −            T1     −0.50
  TA1                ·10.25
  TX1                 ·0.41
  TL              · 10.66
  CASH               ·11.00
  CG                  ·0.34
```

- You can manually input reduction values up to 7 digits long.
- If you want to subtract the reduction amount from the department or PLU totalizer, program "Net totaling."

Basic Operations and Setups

Basic Operations and Setups

Reduction for subtotal

	Dept. 1	$3.00
Item 1	Quantity	1
	Taxable	(1)_{preset}
	Dept. 2	$4.00
Item 2	Quantity	1
	Taxable	(2)_{preset}
Subtotal Reduction	**Amount**	**$0.75**
	Taxable	**(No)**_{preset}
Payment	Cash	$7.00

OPERATION

`3` `00` `1`

`4` `00` `2`

`SUB TOTAL`

`7` `5` `—`

Reduces the subtotal by the value input here.

`SUB TOTAL`

`7` `00` `CA/AMT TEND`

RECEIPT

```
1 DEPT01      T1      ·3.00
1 DEPT02      T2      ·4.00
 -                   -0.75
 TA1                  ·3.00
 TX1                  ·0.12
 TA2                  ·4.00
 TX2                  ·0.20
 TL                  ·6.57
 CASH                 ·7.00
 CG                   ·0.43
```

Registering credit and check payments

The following examples show how to register credits and payments by check.

Check

	OPERATION	RECEIPT

Item	Dept. 1	$11.00
	Quantity	1
Payment	Check	$20.00

```
1 1 00  1
        SUB
        TOTAL
2 0 00  CHK/
        TEND
```

```
1 DEPT01          ·11.00
  TL            ·11.00
  CHECK           ·20.00
  CG               ·9.00
```

Credit

	OPERATION	RECEIPT

Item	Dept. 4	$15.00
	Quantity	1
Reference	Number	1234
Payment	Credit	$15.00

```
1 5 00  4
        SUB
        TOTAL
1 2 3 4 #/NS
        CR1
```

```
1 DEPT04          ·15.00
  #/NS              1234 — Reference No.
  TL            ·15.00
  CREDIT1         ·15.00
```

Mixed tender (cash, credit and check)

	OPERATION	RECEIPT

Item	Dept. 4	$55.00
	Quantity	1
Payment	Check	$30.00
	Cash	$5.00
	Credit	$20.00

```
5 5 00  4
        SUB
        TOTAL
3 0 00  CHK/
        TEND
5 00    CA/AMT
        TEND
        CR1
```

```
1 DEPT04          ·55.00
  TL            ·55.00
  CHECK           ·30.00
  CASH             ·5.00
  CREDIT1         ·20.00
```

Basic Operations and Setups

Registering both the Euro and local currency

REG
— Mode switch —
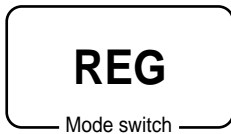
The following example shows the basic operation using the currency exchange function between the Euro and the local currency.

Case A

Main currency	Local
Payment	Euro
Change	Local
Rate	1 Euro = 0.5 FFr

OPERATION   **DISPLAY**

6 0 0 **1**

EURO PD
SUB TOTAL   ◁ Press the **EURO PD** key, which converts the subtotal amount into the sub currency by applying the preset exchange rate.
After you press the **SUB TOTAL** key, the result is shown on the display.

| 0.00E |
| 12.00E |

EURO PD   ◁ Press the **EURO PD** key if you enter the payment in the sub currency.

| 0.00E |

1 5 00

| 15.00E |

CA/AMT /TEND   ◁ Press the **CA/AMT /TEND** key to finalize the transaction. The change amount is shown in the programmed currency.

| 1.50 |

RECEIPT

```
1 DEPT01              ·6.00
  TL                 -6.00
                   (€12.00)
  EURO money
  CASH              €15.00
  CG                 ·1.50
                    (€3.00)
```

Case B

Main currency	Euro
Payment	Local
Change	Euro
Rate	1 Euro = 0.5 FFr

OPERATION   **DISPLAY**

1 2 00 [1]

[EURO/PD]   ◁ Press the [EURO/PD] key, which converts the subtotal amount   `0.00L`
[SUB TOTAL]   into the sub currency by applying the preset exchange
            rate.   `6.00L`
            After you press the [SUB TOTAL] key, the result is shown on the
            display.

[EURO/PD]   ◁ Press the [EURO/PD] key if you enter the payment in the sub   `0.00L`
            currency.

6 00   `6.00L`

[CA/AMT TEND]   ◁ Press the [CA/AMT TEND] key to finalize the transaction.   `0.00`
            The change amount is shown in the programmed
            currency.

RECEIPT

```
1 DEPT01            €12.00
  TL               €12.00
                   (·6.00)
  LOCAL money
  CASH              ·6.00
  CG               €0.00
                   (·0.00)
```

Registering returned goods in the REG mode

REG
— Mode switch —

The following example shows how to use the RF key in the REG mode to register goods returned by customers.

OPERATION   **RECEIPT**

	Dept. 1	$2.35
Item 1	Quantity	1
Item 2	Dept. 2	$2.00
	Quantity	1
Item 3	PLU 1	($1.20)preset
	Quantity	1
Returned Item 1	**Dept. 1**	**$2.35**
	Quantity	**1**
Returned Item 3	**PLU 1**	**($1.20)preset**
	Quantity	**1**
Payment	Cash	$2.00

2 3 5 1
2 00 2
1 PLU
RF
2 3 5 1

Press RF before the item you want to return.

RF
1 PLU
SUB TOTAL
CA/AMT TEND

```
1 DEPT01          ·2.35
1 DEPT02          ·2.00
1 PLU0001         ·1.20
  RF        ·············
1 DEPT01         −2.35
  RF        ·············
1 PLU0001        −1.20
  TL          ·2.00
  CASH          ·2.00
```

Registering returned goods in the RF mode

RF
— Mode switch —
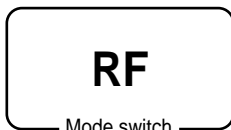
The following examples show how to use the RF mode to register goods returned by customers.

Normal refund transaction

OPERATION   **RECEIPT**

Returned Item 1	**Dept. 1**	**$1.50**
	Quantity	**2**
Returned Item 2	**PLU 2**	**($1.20)preset**
	Quantity	**6**
Payment	**Cash**	**$10.20**

1 5 0 1
1
6 X/DATE TIME
2 PLU
CA/AMT TEND

————RF mode symbol
```
RF 03-06-2000(SAT) 11:50
C01      MC#01      000023

2 DEPT01          ·3.00
6 PLU0002         ·7.20
  TL        ·10.20
  CASH          ·10.20
```

• The model for the U.S./Canada, use X/FOR DATE TIME instead of X/DATE TIME.

Reduction of amounts paid on refund

Returned Item 1	**Dept. 3**	**$4.00**
	Quantity	**1**
Reduction	**Amount**	**$0.15**
Returned Item 2	**PLU 2**	**($1.20)**preset
	Quantity	**1**
Discount	**Rate**	**(5%)**preset
Payment	**Cash**	**$5.20**

OPERATION

`4` `00` `3`
`1` `5` `−`
`2` `PLU`
`%−`
`SUB TOTAL`
`CA/AMT TEND`

RECEIPT

```
1 DEPT03      T1      ·4.00
     −        T1     −0.15
1 PLU0002     T2      ·1.20
    5%
   %−         T2     −0.06
   TA1                ·3.85
   TX1                ·0.15
   TA2                ·1.14
   TX2                ·0.06
   TL              ·5.20
   CASH              ·5.20
```

Important!
• To avoid miss registrations in the RF mode, return the mode switch to the former position immediately.

Registering money received on account

REG
— Mode switch —

The following example shows how to register money received on account. This registration must be performed out of a sale.

OPERATION

Received amount	**$700.00**

`7` `00` `00` `RC`

Amount can be up to 8 digits.

RECEIPT

```
RC              ·700.00
```

Registering money paid out

REG
— Mode switch —

The following example shows how to register money paid out from the register. This registration must be performed out of a sale.

OPERATION

Paid out amount	**$1.50**

`1` `5` `0` `PD`
or
`EURO/PD`

Amount can be up to 8 digits.

RECEIPT

```
PD                ·1.50
```

Basic Operations and Setups

Registering loan amounts

REG		
Mode switch		

Use this procedure to register loan or bank received from the office.

OPERATION **RECEIPT**

Item	Note	$1.00
	Quantity	10
	Note	$5.00
	Quantity	5
Media	Cash	$35.00

```
1 0  X/DATE TIME
1 00 LOAN
5  X/DATE TIME
5 00 LOAN
CA/AMT TEND
```

```
LOAN          ·10.00
LOAN          ·25.00
CASH          ·35.00
```

• The model for the U.S./Canada, use [X/FOR DATE TIME] instead of [X/DATE TIME].

Registering pick up amounts

REG		
Mode switch		

Use this procedure to register pick up money from cash drawer.

OPERATION **RECEIPT**

Item	Coin	$0.50
	Quantity	10
	Coin	$0.10
	Quantity	5
Media	Cash	$5.50

```
1 0  X/DATE TIME
5 0  PICK UP
5  X/DATE TIME
1 0  PICK UP
CA/AMT TEND
```

```
P.UP          ·5.00
P.UP          ·0.50
CASH          ·5.50
```

• The model for the U.S./Canada, use [X/FOR DATE TIME] instead of [X/DATE TIME].

Changing media in drawer

REG		
Mode switch		

Use this procedure to change media in drawer.

OPERATION **RECEIPT**

Media	Check	-10.00
	Cash	$8.00
	Charge	$2.00

```
MEDIA CHANGE
1 0 00 CHK/TEND
```
Enter the amount to be changed.
```
8 00 CA/AMT TEND
2 00 CH
```

```
MEDIA CHG     ·········
CHECK         ·10.00
CASH          ·8.00
CH            ·2.00
```

Making corrections in a registration

REG

— Mode switch —

There are three techniques you can use to make corrections in a registration.
- To correct an item that you input but not yet registered.
- To correct the last item you input and registered.
- To cancel all items in a transaction.

To correct an item you input but not yet registered

OPERATION	RECEIPT

2 00

C — Correction of unit price

1 00 **1**

1 2 [×/DATE TIME]

C — Correction of quantity

1 1 [×/DATE TIME]

2 00 **2**

2

C — Correction of PLU No.

3 PLU

1 5 PLU

6 00

C — Correction of open PLU unit price

1 5 PLU

Enter PLU No. again.

1 0 00 PRICE

SUB TOTAL

1 0 00

C — Correction of partial tender amount

1 5 00 CA/AMT TEND

CR1

RECEIPT:
```
 1 DEPT01        ·1.00
11 DEPT02       ·22.00
 1 PLU0003       ·1.30
 1 PLU0015      ·10.00
   TL          ·34.30
   CASH         ·15.00
   CREDIT1      ·19.30
```

- The model for the U.S./Canada, use [×/FOR DATE TIME] instead of [×/DATE TIME].

Basic Operations and Setups

Basic Operations and Setups

To correct an item you input and registered

OPERATION	RECEIPT

1 **00** **1**
2 **00** **2**

2
|ERR CORR./CANCEL| — Clearance

2 |PLU|
|ERR CORR./CANCEL| — Correction of PLU No.
5 |PLU|

1 **5** |PLU|
6 **00** |PRICE|
|ERR CORR./CANCEL| — Correction of open PLU unit price
1 **5** |PLU|
1 **0** **00** |PRICE|

8 |×/DATE TIME|
4 **00** **4**
|ERR CORR./CANCEL| — Correction of quantity
6 |×/DATE TIME|
4 **00** **4**

|SUB TOTAL|
5 **0** |%−|
|ERR CORR./CANCEL| — Correction of discount
|SUB TOTAL|
5 |%−|

|RF| **2** **00** **2**
|ERR CORR./CANCEL| — Correction of refund item
|RF| **2** **2** **0** **2**

|SUB TOTAL|
2 **0** **00** |CA/AMT TEND|
|ERR CORR./CANCEL| — Correction of partial tender
1 **5** **00** |CA/AMT TEND|
|CR1|

```
1 DEPT01          ·1.00
1 DEPT02          ·2.00
1 PLU0005         ·1.50
1 PLU0015        ·10.00
6 DEPT04         ·24.00
  ST             ·38.50
   5%
  %−              −1.93
  RF      ..............
1 DEPT02          −2.20
  TL            ·34.37
  CASH           ·15.00
  CREDIT1        ·19.37
```

Corrected items are not printed on receipt.

• The model for the U.S./Canada, use |×/FOR DATE TIME| instead of |×/DATE TIME|.

To cancel all items in a transaction

OPERATION	RECEIPT
1 00 **1**	
2 00 **2**	```
3 00 **3**	1 DEPT01 ·1.00
4 00 **4**	1 DEPT02 ·2.00
SUB TOTAL	1 DEPT03 ·3.00
	1 DEPT04 ·4.00
	CANCEL · · · · · · · · · · · · · ·

Pressing SUB TOTAL key is necessary to cancel the transaction.

ERR CORR. CANCEL

No sale registration

REG
— Mode switch —

You can use the following procedure to open the drawer without registering a sale. This operation must be performed out of a sale.

OPERATION	RECEIPT
#/NS	#/NS · · · · · · · · · · · · · ·

Printing the daily sales reset report

This report shows daily sales totals.

OPERATION	REPORT

Z1

Mode switch

↓

CA/AMT
/TEND
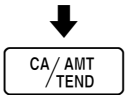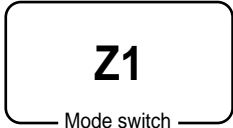
```
Z    03-06-2000(SAT) 17:00      — Date/time
C01          MC#01      000231  — Clerk name/mc No./consecutive No.
-----------------------------
Z    BATCH 01                   — Report title
-----------------------------
Z    FIX                 0001   — Fixed total report title/reset counter
                      0001011   — Report code

GROSS               981.25
                ·6,574.40       — Gross total *2
NET            No    111
                ·7,057.14       — Net total *2
CAID            ·1,919.04       — Cash in drawer *2
CHID              ·139.04       — Charge in drawer *2
CKID              ·859.85       — Check in drawer *2
CRID(1)           ·709.85       — Credit in drawer *2
-----------------------------
RF             No     3
                   ·10.22       — Refund mode *2
CUST           CT    111        — Number of customer *2
AVRG              ·63.57        — Average sales per customer *2
DC                 ·1.22        — Discount total *2
REF                ·2.42        — Refund key *2
CLEAR          No    85         — Clear key count *2
ROUND              ·0.00        — Rounding total *2
CANCEL         No     2         — Cancellation *2
                  ·12.97
-----------------------------
TA1             ·2,369.69       — Taxable 1 amount *2
TX1               ·128.86       — Tax 1 amount *2
TA2             ·2,172.96       — Taxable 2 amount *2
TX2               ·217.33       — Tax 2 amount *2
-----------------------------
GT1      ·00000000125478.96     — Grand total 1 *2
GT2      ·00000000346284.23     — Grand total 2 *2
GT3      ·00000000123212.75     — Grand total 3 *2
-----------------------------
Z    TRANS               0001   — Function key report title/reset counter
                      0001012   — Report code
CASH           No    362        — Function key count/amount *1
                ·1,638.04
CHARGE         No     56
                ·1,174.85
```

```
RC          No      4
                ·810.00
PD          No      5
                ·520.00
                       
CORR        No     14
                 ·39.55
VLD         No     19
RCT         No      3
NS          No      5
─────────────────────────
Z    DEPT          0001      ─ Department report title/reset counter
              0001015        ─ Report code

DEPT01          203.25       ─ Department count/amount *1
              ·1,108.54
DEPT02          183
              ·1,362.26
  T08             5
                 .22
─────────────────────────
TL              421.25       ─ Department total count/total amount
              ·2,872.28
─────────────────────────
Z    CASHIER       0001      ─ Clerk report title/reset counter
              0001017        ─ Report code

C01       ................1  ─ Clerk name/drawer No. *1
GROSS           421.25       ─ Gross total *1
              ·2,872.28
NET         No    111        ─ Net total *1
              ·1,845.35
CAID          ·1,057.14      ─ Cash in drawer *1
CHID            ·139.04
RF          No      1         ─ Refund mode *1
                ·1.00
CLEAR       No      5         ─ Clear key count *1
                ·4.43

C02       ................1  ─ Clerk name/drawer No.
```

*1 Zero totalled departments/functions/clerks are not printed by programming.
*2 These items can be skipped by programming.

This chapter describes more sophisticated operations that you can use to suit the needs of your retail environment.

Stock check

Each PLU has an actual stock totalizer that you can program with a minimum stock quantity. Then the register checks actual stock quantities against the programmed minimum stock quantities. Stock operations are performed only for PLUs (except scanning PLUs) programmed with minimum stock quantities.

Stock warnings

The cash register checks for negative values in actual stock quantities during the registration itself. After registration is complete, it checks actual stock quantities against minimum stock quantities. The following warning indicators are used to inform the operator of any problem.
• Negative stock:
This indicates that the actual stock quantity is negative. You can also program the cash register to treat this condition as an error. This warning does not appear when the actual stock quantity is zero.
• Under minimum stock:
This indicates that the actual stock quantity is less than or equal to the minimum stock quantity. The cash register can be programmed so that a buzzer sounds when the actual stock quantity is less than the minimum stock quantity.
Notes
• The stock check operation is also performed for PLUs programmed with minimum stock quantities that make up set menus.
• None of the warning indicators appear unless the cash register is specifically programmed for the stock check operation.
• Stock operations can be performed for registrations in the RF mode or those performed with <REFUND> (the refund key).
• An error correct, void, or cancel operation restores the original of items in stock value.

Clerk interrupt function

There are two types of clerk interrupt function, illustrated by PROCEDURE 1 and PROCEDURE 2 below.
• In PROCEDURE 1, each clerk possesses a unique clerk interrupt buffer, and so the clerk interrupt function gives each individual clerk the ability to perform an independent registration operation. In this case, each clerk is individually linked to a unique clerk interrupt buffer.
• In PROCEDURE 2, multiple clerks use the same clerk interrupt buffer, and so a single clerk interrupt operation (clerk change during registration) can be performed any registration is in progress. In this case, multiple clerks are linked to a single clerk interrupt buffer.
Note the following important points concerning the clerk interrupt function.
• The register must be programmed to allow use of the clerk interrupt function.
• To use the clerk interrupt function, a clerk interrupt buffer must first be allocated with the memory allocation operation. Next the manager control operation (X1 mode) should be used to perform clerk assignment for the clerk interrupt function. The clerk interrupt operation cannot be performed by clerks who are not linked to a clerk interrupt buffer.
• You cannot use the clerk interrupt function on a register set up to function as part of a check tracking system. In the REG1, REG2, and RF modes, clerks can be change while a transaction is in progress, making it possible for multiple clerks to simultaneously perform registrations using a single register.
For example, if clerk 1 is interrupted while registering a transaction, clerk 2 can use the same machine to register a different transaction. Then clerk 1 can continue the original registration from the point where it was interrupted.

PROCEDURE 1

Clerk 1 Sign on <NEW BALANCE> Sign on <CASH> Sign on <RECEIPT>
Registration A Finalization A Post receipt A

Clerk 2 Sign on <NEW BALANCE> Sign on <CASH>
Registration B Finalization B

PROCEDURE 2

Clerk 1 Sign on <NEW BALANCE> Sign on <CASH>
Registration A Finalization A + B

Clerk 2 Sign on <NEW BALANCE>
Registration B
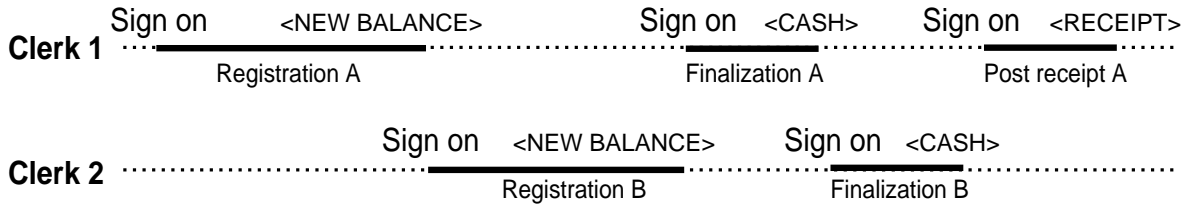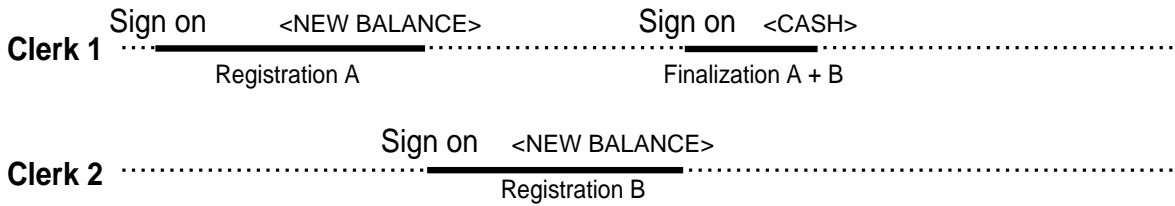
NOTES

- A guest receipt can be issued following clerk change, and receipts can be issued separately for each clerk.
- A cancel operation can be performed during registration by either of the clerks. When clerk 1 signs back on (after being interrupt by clerk 2), the cancel operation cancels only the items registered after signing back on (only this receipt) or from the top of the transaction. This is selectable by the key program.

Single item cash sales

A department key or PLU programmed with single item sale status finalizes the transaction as soon as it is registered.
The single item sales function cannot work properly if the keyboard does not include <CASH> (the cash key).
The single item sales function can only be used for cash sales.

Example 1

| | OPERATION | RECEIPT |

Item	Dept. 1	$1.00
	Quantity	1
	Status	**S.I.S**
Payment	Cash	$1.00

1 **00** **1**

The transaction is immediately finalized.

```
1 DEPT01            ·1.00
  TL              -1.00
  CASH              ·1.00
```

Department No./
unit price

Cash total amount

Advanced Operations

Advanced Operations

Example 2

	Dept. 1	($1.00)
Item	Quantity	3
	Status	**S.I.S**
Payment	Cash	$3.00

OPERATION

`3` `×/DATE TIME`

`1`

The transaction is immediately finalized.

RECEIPT

```
3 DEPT01           ·3.00
  TL            -3.00
  CASH            ·3.00
```

• The model for the U.S./Canada, use `×/FOR DATE TIME` instead of `×/DATE TIME`.

Example 3

	Dept. 3	$2.00
Item 1	Quantity	1
	Status	Normal
	Dept. 1	$1.00
Item 2	Quantity	1
	Status	**S.I.S**
Payment	Cash	$3.00

OPERATION

`2` `00` `3`

`1`

The transaction is not finalized. Because another item is registered before the single item sales department.

`CA/AMT /TEND`

RECEIPT

```
1 DEPT03           ·2.00
1 DEPT01           ·1.00
  TL            -3.00
  CASH            ·3.00
```

Addition

Addition (plus)

Example

	Dept. 1	$1.00
Item 1	Quantity	1
	Addition	**$0.10**
	Dept. 1	$2.00
Item 2	Quantity	3
	Addition	**3 × ($0.20)**
Payment	Cash	$7.70

OPERATION

`1` `00` `1`

`1` `0` `+`

`3` `×/DATE TIME`

`2` `00` `1`

`3` `×/DATE TIME`

`+`

`CA/AMT /TEND`

RECEIPT

```
1 DEPT01           ·1.00
  +                ·0.10
3 DEPT01           ·6.00
  +                ·0.60
  TL            -7.70
  CASH            ·7.70
```

• The model for the U.S./Canada, use `×/FOR DATE TIME` instead of `×/DATE TIME`.

Premium (%+)

Example

				OPERATION	RECEIPT

Item 1	Dept. 1	$1.00
	Quantity	1
	Premium	**10%**
Item 2	Dept. 1	$2.00
	Quantity	3
Subtotal	**Premium**	**(15%)**
Payment	Cash	$8.17

OPERATION:

`1` `00` `1`
`1` `0` `%+`
`3` `X/DATE/TIME`
`2` `00` `1`
`SUB TOTAL`
`%+`
`CA/AMT TEND`

RECEIPT:

```
1 DEPT01              ·1.00
  10%
  %+                  ·0.10
3 DEPT01              ·6.00
  ST                  ·7.10
  15%
  %+                  ·1.07
  TL             ·8. 17
  CASH                ·8.17
```

• The model for the U.S./Canada, use `X/FOR/DATE/TIME` instead of `X/DATE/TIME`.

Tray total

Tray total premium/discount

The buffer memory stores all items that fall into the prescribed range, starting from the first item registered for a transaction up to the point that <TRAY TOTAL> (the tray total key) is pressed to perform a tray total premium/discount operation. Following a premium/discount operation, the buffer is cleared and storage of new data starts from registration of the next item following the first premium/discount operation. The following operations clear the buffer memory.
- Press <TRAY TOTAL> twice.
- Press <TRAY TOTAL> and then perform a premium/discount operation. The contents of the buffer memory are restored if an error correction operation is performed to delete the premium/discount operation.

Example

			OPERATION	RECEIPT
	Dept. 1	$1.00
Group 1	Dept. 3	$2.00
	Discount	(5%)preset
	Dept. 3	$3.00
Group 2	Dept. 4	$4.00
	Discount	10%
Payment	Cash	$9.15

OPERATION:
1 00 1
2 00 3
TRAY TOTAL
%−
3 00 3
4 00 4
TRAY TOTAL
1 0 %−
CA/AMT TEND

RECEIPT:
```
1 DEPT01        ·1.00
1 DEPT03        ·2.00
  TRAY TL      ·3.00
  5%
  %−           −0.15
1 DEPT03        ·3.00
1 DEPT04        ·4.00
  TRAY TL      ·7.00
  10%
  %−           −0.70
  TL           ·9.15
  CASH         ·9.15
```

Multiple item totalling function

This function accumulates all items registered from the first item registered up to point that <TRAY TOTAL> is pressed, or all items between two presses of <TRAY TOTAL>. Pressing <TRAY TOTAL> displays the total amount with the tax included and prints it on the receipt and journal (printing on receipt and journal is programmable.)

Example

			OPERATION	RECEIPT
CustomerA	Dept. 1	$1.00
	Dept. 3	$2.00
CustomerB	Dept. 3	$3.00
	Dept. 4	$4.00
Payment	Cash	$10.00

OPERATION:
1 00 1
2 00 3
TRAY TOTAL
3 00 3
4 00 4
TRAY TOTAL
CA/AMT TEND

RECEIPT:
```
1 DEPT01        ·1.00
1 DEPT03        ·2.00
  TRAY TL      ·3.00
1 DEPT03        ·3.00
1 DEPT04        ·4.00
  TRAY TL      ·7.00
  TL          ·10.00
  CASH        ·10.00
```

Coupon transactions

Note that errors result when the result of a calculation is negative if the cash register is programmed to prohibit credit balances.

Coupon registration using <COUPON> (coupon key)

Example

			OPERATION	RECEIPT

Item 1	Dept. 1	$3.00
	Quantity	2
	Coupon	**$0.50 × 2**
Item 2	Dept. 3	$4.00
	Quantity	1
	Coupon	**($1.00)**
Payment	Cash	$8.00

OPERATION:

2 [×/DATE TIME]
3 00 1
2 [×/DATE TIME]
5 0 CPN
4 00 3
CPN
CA/AMT TEND

RECEIPT:
```
2 DEPT01          ·6.00
  CPN            −1.00
1 DEPT03          ·4.00
  CPN            −1.00
  TL            ·8.00
  CASH           ·8.00
```

• The model for the U.S./Canada, use [×/FOR TIME] instead of [×/DATE TIME].

Coupon registration using <COUPON2> (coupon 2 key)

Example

Item 1	Dept. 1	$15.00
	Quantity	1
	Coupon 2 Dept. 1	**$1.50**
Item 2	PLU 10	$5.00
	Quantity	1
	Coupon 2 PLU 50	**($0.50)**
Payment	Cash	$18.00

OPERATION:

1 5 00 1
CPN2 1 5 0 1
1 0 PLU
CPN2 5 0 PLU
CA/AMT TEND

RECEIPT:
```
1 DEPT01         ·15.00
  CPN2   . . . . . . . . . . . . . . .
1 DEPT01          −1.50
1 PLU0010          ·5.00
  CPN2   . . . . . . . . . . . . . . .
1 PLU0050         −0.50
  TL           ·18.00
  CASH          ·18.00
```

Registering the second unit price

Second unit prices along with quantity modifiers can be programmed to PLUs. Pressing <PRICE SHIFT> (price shift key) calls up the second unit price, quantity modifier, and descriptor. Totalizers and inventory are adjusted by multiplying the number of items being registered by the quantity modifier programmed to the PLU being registered.

- <PRICE SHIFT> must be pressed before each registration of a PLU.
- Second unit price registration is no available with open PLUs when unit price is not preset.
- Second unit prices and quantity modifiers are assigned to PLUs using programming procedures described in the dealer's manual.
- Even if a PLU is programmed with a package quantity, the second unit price and quantity modifier are applied during registration following operation of <PRICE SHIFT>.

Example 1

			OPERATION	RECEIPT

	PLU 1 2nd@	($10.00)
Item 1	Quantity	1
	Unit Q'ty	1
	PLU 2 2nd@	($5.00)
Item 2	Quantity	1
	Unit Q'ty	1
Payment	Cash	$15.00

OPERATION

PRICE SHIFT **1** **PLU**

The operation declares that the next input is a second unit price.

PRICE SHIFT **1** **0** **PLU**

SUB TOTAL

CA/AMT TEND

RECEIPT

```
1 PLU0001          ·10.00
1 PLU0010           ·5.00
  TL              ·15.00
  CASH             ·15.00
```

Example 2

			OPERATION	RECEIPT

	PLU 2 2nd@	($10.00)
Item	Quantity	5
	2nd Q'ty	3
Payment	Cash	$50.00

OPERATION

5 **X/DATE TIME**

PRICE SHIFT **2** **PLU**

5 **0** **00** **CA/AMT TEND**

RECEIPT

```
5 PLU0001          ·50.00
  TL              ·50.00
  CASH             ·50.00
  CG                ·0.00
```

- The model for the U.S./Canada, use ⌷X/FOR DATE TIME⌷ instead of ⌷X/DATE TIME⌷.

Example 3

The procedure shown above are for when the cash register is programmed not to maintain a second unit price shift. It is programmed is performed to maintain a second unit price shift, the following procedure applies.

			OPERATION	RECEIPT

Item 1	PLU 1 ₂ₙ_d@	($10.00)
	Quantity	1
	Unit Q'ty	1
Item 2	PLU 2 ₂ₙ_d@	($5.00)
	Quantity	1
	Unit Q'ty	1
Item 3	PLU 1	($1.00)
	Quantity	1
	Unit Q'ty	1
Payment	Cash	$16.00

OPERATION

[PRICE SHIFT] [1] [PLU]
This operation shifts to registration of second unit price.

[2] [PLU]

[PRICE SHIFT] [PRICE SHIFT] [1] [PLU]

This operation shifts back to registration of normal (first) unit price.

[1] [6] [00] [CA/AMT TEND]

RECEIPT

```
1 PLU0001        ·10.00
1 PLU0002         ·5.00
1 PLU0001         ·1.00
  TL            · 16.00
  CASH           ·16.00
  CG              ·0.00
```

Preset tender amount

An amount up to six digits long can be programmed to <CASH> (cash/amount tendered key). Then, when <CASH> is pressed without inputting a value, the programmed value is automatically registered and the transaction is finalized. When an amount is programmed to <CASH>, attempting to manually input an amount results in an error.

Example 1

			OPERATION	RECEIPT

Item	Dept. 1	$8.00
	Quantity	1
Payment	**Cash**	**($10.00)**

OPERATION

[8] [00] [1]

[CA/AMT TEND]

The preset amount is tendered.

RECEIPT

```
1 DEPTO1          ·8.00
  TL             · 8.00
  CASH           ·10.00
  CG              ·2.00
```

Example 2

			OPERATION	RECEIPT

Item	Dept. 1	$15.00
	Quantity	1
Payment	**Cash**	**($10.00)**
	Check	$5.00

OPERATION

[1] [5] [00] [1]

[1] [0] [00] [CA/AMT TEND]
An error occurs by manual input

[C]

[5] [00] [CHK/TEND]

[CA/AMT TEND]

RECEIPT

```
1 DEPTO1         ·15.00
  TL            · 15.00
  CHECK           ·5.00
  CASH           ·10.00
  CG              ·0.00
```

Bottle link operation

You can link PLU to a PLU.

Example

| | | OPERATION | RECEIPT |

	PLU 1	($8.00)
Item 1	PLU 11**linked**	($0.80)
	Quantity	1
	PLU 2	($5.00)
Item 2	PLU 12**linked**	($0.50)
	Quantity	3
Payment	Cash	$30.00

OPERATION

`1` `PLU`

`3` `×/DATE TIME`

`2` `PLU`

`3` `0` `00` `CA/AMT TEND`

RECEIPT

```
1 PLU0001          ·8.00
1 PLU0011          ·0.80
3 PLU0002         ·15.00
3 PLU0012          ·1.50
 TL            ·25.30
 CASH             ·30.00
 CG                ·4.70
```

• The model for the U.S./Canada, use `×/FOR DATE TIME` instead of `×/DATE TIME`.

Bottle returns

Bottle return key

You can use the linked bottle return key to register a bottle return. A PLU whose programmed unit price represents the contents of the bottle, can be linked with PLU whose programmed unit price represents the deposit on the bottle. In the following example, the bottle return key has been programmed to operate as a linked bottle return key.

The bottle return key must be pressed before input of each new linked bottle return.

Example

| | | OPERATION | RECEIPT |

	PLU 1	($8.00)
Return Item 1	PLU 11**linked**	($0.80)
	Quantity	1
	PLU 2	($5.00)
Return Item 2	PLU 12**linked**	($0.50)
	Quantity	3
Payment	Cash	$2.30

OPERATION

`BR` `1` `PLU`

`3` `×/DATE TIME`

`BR` `2` `PLU`

`CA/AMT TEND`

RECEIPT

```
 BR          ···············
1 PLU0011          −0.80
 BR          ···············
3 PLU0012          −1.50
 TL             −2.30
 CASH             −2.30
```

• The model for the U.S./Canada, use `×/FOR DATE TIME` instead of `×/DATE TIME`.

Arrangement key registrations

Key operations can be assigned to an <ARRANGE> (arrangement key). Then, simply pressing <ARRANGE> performs all of the key functions assigned to it.
Key operations can also be assigned to an address code. Then, when you input the address code using <ARRANGE>, all of the key functions assigned to the address code are performed.

Example 1

OPERATION		RECEIPT

Arrangement 1		
Item 1	PLU 1	($8.00)
	Quantity	1
Item 2	PLU 2	($5.00)
	Quantity	1
Payment	Cash	$13.00

OPERATION: ARR

RECEIPT:
```
1 PLU0001        ·8.00
1 PLU0002        ·5.00
  TL           ·13.00
  CASH          ·13.00
```

Example 2

OPERATION		RECEIPT

Arrangement 5		
Item 1	Dept 1	$1.00
	Quantity	1
Item 2	Dept 2	$2.00
	Quantity	1
Payment	Cash	$3.00

OPERATION: 5 ARR

RECEIPT:
```
1 DEPT01         ·1.00
1 DEPT02         ·2.00
  TL            ·3.00
  CASH           ·3.00
```

Set menu

When you register a set menu, its total amount is added to the PLU totalizer and counter. The price of each set menu item is also added to each respective PLU totalizer and counter.

Example

OPERATION		RECEIPT

Set menu	PLU 35	$5.00
Item 1	PLU 1	--
Item 2	PLU 2	--
Item 3	PLU 3	--
Item 4	PLU 4	--
Payment	Cash	$5.00

OPERATION: 3 5 PLU / CA/AMT TEND

RECEIPT:
```
1 PLU0035        ·5.00
  PLU0001
  PLU0002
  PLU0003
  PLU0004
  TL            ·5.00
  CASH           ·5.00
```

Advanced Operations

Currency exchange function

When <CE> (currency exchange key) is pressed, a current subtotal including tax is converted directly into foreign currency and the result is displayed, and the subsequent finalization is handled using the foreign currency. The currency exchange function is released by finalizing a transaction, partial tender operation, receipt issuance, or by pressing <SUBTOTAL>.

Before using the currency exchange function, it is necessary to program the conversion rate.

Registering foreign currency

Full amount tender in foreign currency

* Pre-programmed exchange rate: ¥ 100 = \$0.9524

Important!

Tenders in a foreign currency can be registered using the [CA/AMT/TEND] and [CHK/TEND] only.

Other finalize keys cannot be used.
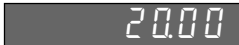
OPERATION		DISPLAY	RECEIPT
1 **0** **00** **1** ← Enter the unit price and press the applicable department key.		*10.00* (Displays in \$)	1 DEPT01 ·10.00 2 DEPT02 ·20.00 TL ·30.00 CE CASH ¥5,000 CASH ·47.62 CG ·17.62
2 **0** **00** **2** ← Enter the next unit price and press the applicable department key.		*20.00* (Displays in \$)	
CE **SUB TOTAL** ← Press **CE** and **SUB TOTAL** without entering a numeric value. This operation converts the subtotal (including tax) dollar value into yen by applying a pre-programmed exchange rate. The result is shown on the display and printed on the receipt/journal by programming.		*3.150* (Displays in ¥: 3,150)	
5 **0** **00** **CE** (5,000) ← Enter the amount tendered in yen and press **CE**. This operation converts the entered yen amount into dollars by applying a pre-programmed exchange rate. The result is shown on the display.		*5.000*	
CA/AMT /TEND ← Press to finalize the transaction. Note that you do not need to reenter the dollar amount. The register automatically calculates the change amount due in dollars and shows it on the display, receipts and journal.		*17.62* (Displays in \$)	

Partial tender in a foreign currency

* Pre-programmed exchange rate: ¥ 100 = $0.9524

Important!

Partial tender in a foreign currency can be registered using [CA/AMT/TEND] and [CHK/TEND] only. Other finalization keys cannot be used, but the remaining tender can be finalized using any finalize key.

OPERATION	DISPLAY	RECEIPT
1 0 00 [1] ← Enter the unit price and press the applicable department key.	*10.00* (Displays in $)	1 DEPT01 ·10.00 1 DEPT02 ·20.00 TL ·30.00 CE CASH ¥2,000 CASH ·19.05 CHK ·10.95
2 0 00 [2] ← Enter the next unit price and press the applicable department key.	*20.00* (Displays in $)	
[CE] [SUB TOTAL] ← Press [CE] and [SUB TOTAL] without entering a numeric value. This operation converts the subtotal (including tax) dollar value into yen by applying a pre-programmed exchange rate. The result is shown on the display and printed on the receipt/journal by programming.	*3.150* (Displays in ¥: 3,150)	
2 0 00 [CE] (2,000) ← Enter the partial amount tendered in yen and press [CE]. This operation converts the entered yen amount into dollars by applying a pre-programmed exchange rate. The result is shown on the display.	*2.000*	
[CA/AMT TEND] ← Press [CA/AMT TEND] to specify cash tender for the yen partial tender. Note that you do not need to reenter the dollar amount. The register automatically deducts the dollar equivalent of the yen amount tendered from the total amount due and shows the amount on the display.	*10.95* (Displays in $)	
[CHK/ TEND] ← Press to finalize the transaction.	*10.95* (Displays in $)	

Advanced Operations

Food stamp function

Food stamp registration

No change due

```
 REG
```
Mode switch

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$2.00
	Taxable	2
Item 3	Dept. 3	$3.00
	Taxable	**No → F/S**
Payment	**Food stamp**	**$2.00**
	Cash	$4.14

OPERATION

1 00 1
2 00 2
F/S 3 00 3

Shifting food stamp
status, press F/S key.

FS/ST

Press FS/ST, at the top of
the food stamp tender.

2 00 FS/TD

CA/AMT
/TEND

RECEIPT

```
1 DEPT01    T1 F    $1.00
1 DEPT02    T2      $2.00
1 DEPT03       F    $3.00
  TA1                $1.00
  TX1                $0.04
  TA2                $2.00
  TX2                $0.10
  TL              $6.14
  FSST               $4.04
  FSTD               $2.00
  CASH               $4.14
```

— Subtotal
— Food stamp subtotal
— Food stamp tendered

Mixed food stamp/cash change

Example 1

	OPERATION	RECEIPT

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$2.00
	Taxable	2, F/S
Item 3	Dept. 3	$3.00
	Taxable	F/S
Payment	**Food stamp**	**$7.00**

OPERATION

1 00 1
F/S 2 00 2
F/S 3 00 3
FS/ST
7 00 FS/TD

RECEIPT

```
1 DEPT01      T1 F   $1.00
1 DEPT02      T2 F   $2.00
1 DEPT03         F   $3.00
  TA1               $1.00
  TX1               $0.04
  TA2               $2.00
  TX2               $0.10
  TL               $6.14 ──── Subtotal
  FSST             $6.14 ──── Food stamp subtotal
  FSTD             $7.00 ──── Food stamp tendered
  CG               $0.86 ──── Cash change
```

The change in food stamp transactions is automatically calculated as cash for amounts of $1.00 or less, and as food stamps for amounts greater than $1.00.

Example 2

	OPERATION	RECEIPT

Item	Dept. 1	$2.00
	Taxable	1, F/S
Payment	**Food stamp**	**$5.00**

OPERATION

2 00 1
FS/ST
5 00 FS/TD

RECEIPT

```
1 DEPT01      T1 F   $2.00
  TA1               $2.00
  TX1               $0.08
  TL               $2.08
  FSST             $2.08
  FSTD             $5.00
  FSCG             $2.00
  CG               $0.92
```

In the above example, the total amount of change due is $2.92; $2.00 in food stamps and $0.92 in cash.

Advanced Operations

Advanced Operations

Mixed food stamp/cash change (continued…)

Example 3

| | | | OPERATION | RECEIPT |

<table>
<tr><td rowspan="2">Item 1</td><td>Dept. 1</td><td>$2.00</td></tr>
<tr><td>Taxable</td><td>1, F/S</td></tr>
<tr><td rowspan="2">Item 2</td><td>Dept. 4</td><td>$0.50</td></tr>
<tr><td>Taxable</td><td>No</td></tr>
<tr><td>Payment</td><td>Food stamp</td><td>$5.00</td></tr>
</table>

OPERATION:
```
2 00 1
5 0 4
FS/ST
5 00 FS/TD
```

RECEIPT:
```
1 DEPT01      T1 F   $1.00
1 DEPT04             $0.50
  TA1                $2.00
  TX1                $0.08
  TL               $2.58
  FSST               $2.08
  FSTD               $5.00
  FSCG               $2.00
  CG                 $0.42
```

When food stamp items are included in a transaction, the amount of change due in cash is applied as a cash amount tendered for cash (nonfood stamp) items. In this example, the $0.50 purchased (department 4) is automatically deducted from the $0.92 cash due in change from the food stamp purchase (department 4).

Example 4

| | | | OPERATION | RECEIPT |

<table>
<tr><td rowspan="2">Item 1</td><td>Dept. 1</td><td>$1.00</td></tr>
<tr><td>Taxable</td><td>1, F/S</td></tr>
<tr><td rowspan="2">Item 2</td><td>Dept. 2</td><td>$2.00</td></tr>
<tr><td>Taxable</td><td>2</td></tr>
<tr><td rowspan="2">Item 3</td><td>Dept. 3</td><td>$3.00</td></tr>
<tr><td>Taxable</td><td>No</td></tr>
<tr><td rowspan="2">Payment</td><td>Food stamp</td><td>$5.00</td></tr>
<tr><td>Cash</td><td>$4.14</td></tr>
</table>

OPERATION:
```
1 00 1
2 00 2
3 00 3
FS/ST
5 00 FS/TD
CA/AMT
/TEND
```

RECEIPT:
```
1 DEPT01      T1 F   $1.00
1 DEPT02      T2     $2.00
1 DEPT03             $3.00
  TA1                $1.00
  TX1                $0.04
  TA2                $2.00
  TX2                $0.10
  TL               $6.14
  FSST               $1.04
  FSTD               $5.00
  FSCG               $3.00
  CASH               $4.14
```

The following calculation is performed internally to apply the cash change due on the food stamp transaction to the balance due of the cash transaction.

	Food stamp transaction	Cash transaction
Price items:	$1.00	$5.00
Tax:	$0.04	$0.10
Total due:	$1.04	$5.10
Amount tendered:	$5.00 (food stamp)	$4.14 (cash), $0.96 (change from food stamp)
Amount due:	$1.04	
Change amount due:	$3.00 (food stamp), $0.96 (cash)	
Total:		$5.10

Food stamp registration (Illinois rule)

No change due

Example 1

OPERATION

Item 1	Dept. 1	$1.00	
	Taxable	1, F/S	
Item 2	Dept. 1	$2.00	
	Taxable	1, F/S	
Item 3	Dept. 4	$3.00	
	Taxable	F/S	
Payment	**Food stamp**	**$6.00**	

```
1 00 1
2 00 1
3 00 4
FS/ST

6 00 FS/TD
```

RECEIPT

```
1 DEPT01      T1 F    $1.00
1 DEPT01      T1 F    $2.00
  DEPT04         F    $3.00
  TL              $6.00
  FSST                $6.00
  FSTD                $6.00
```

Example 2

OPERATION

Item 1	Dept. 1	$2.00	
	Taxable	1, F/S	
Item 2	Dept. 1	$3.00	
	Taxable	1, F/S	
Item 3	Dept. 4	$4.00	
	Taxable	1, F/S	
Payment	**Food stamp**	**$5.00**	
	Cash	$4.16	

```
2 00 1
3 00 1
4 00 4
FS/ST

5 00 FS/TD
CA/AMT TEND
```

RECEIPT

```
1 DEPT01      T1 F    $2.00
1 DEPT01      T1 F    $3.00
1 DEPT04         F    $4.00
  FSST                $9.00
  FSTD                $5.00
  TA1                 $4.00
  TX1                 $0.16
  CASH                $4.16
```

Advanced Operations

Advanced Operations

No change due (continued…)

Example 3

				OPERATION		RECEIPT

Item 1	Dept. 1	$2.00
	Taxable	1, F/S
Item 2	Dept. 2	$3.00
	Taxable	2, F/S
Payment	**Food stamp**	**$1.00**
	Cash	$4.14

OPERATION

2 00 1
3 00 2
FS/ST
1 00 FS/TD
CA/AMT /TEND

RECEIPT

```
1 DEPT01      T1 F    $2.00
1 DEPT02      T2 F    $3.00
  FSST                $5.00
  FSTD                $1.00
  TA1                 $1.00
  TX1                 $0.04
  TA2                 $2.00
  TX2                 $0.10
  CASH                $4.14
```

If the total of the food stamps tendered is less than the food stamp total, the food stamp tendered amount is deducted from the taxable 1 and 2 amount.

Example 4

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$5.00
	Taxable	2, F/S
Payment	**Food stamp**	**$4.00**
	Cash	$2.05

OPERATION

1 00 1
5 00 2
FS/ST
4 00 FS/TD
CA/AMT /TEND

RECEIPT

```
1 DEPT01      T1 F    $1.00
1 DEPT02      T2 F    $5.00
  FSST                $6.00
  FSTD                $4.00
  TA2                 $1.00
  TX2                 $0.05
  CASH                $2.05
```

In this case, the result of the taxable 1 amount is "0".

Mixed food stamp/cash change

Example 1

	OPERATION		RECEIPT

Item 1	Dept. 1	$1.50
	Taxable	1, F/S
Item 2	Dept. 1	$2.00
	Taxable	1, F/S
Item 3	Dept. 4	$3.00
	Taxable	F/S
Payment	**Food stamp**	**$10.00**

OPERATION

`1` `5` `0` `1`
`2` `00` `1`
`3` `00` `4`
`FS/ST`

`1` `0` `00` `FS/TD`

RECEIPT

```
1 DEPT01      T1 F    $1.50
1 DEPT01      T1 F    $2.00
1 DEPT04         F    $3.00
  TL              $6.50
  FSST            $6.50
  FSTD           $10.00
  FSCG            $3.00
  CG              $0.50
```

The change in food stamp transactions is automatically calculated as cash for amount of $1.00 or less, and as food stamps for amounts greater than $1.00. In the above example, the total amount of change due is $3.50 ($3.00 in food stamps and $0.50 in cash).

Example 2

OPERATION   **RECEIPT**

Item	Dept. 1	$2.00
	Taxable	1, F/S
Payment	**Food stamp**	**$5.00**

`2` `00` `1`
`FS/ST`

`5` `00` `FS/TD`

RECEIPT

```
1 DEPT01      T1 F    $2.00
  TL              $2.00
  FSST            $2.00
  FSTD            $5.00
  FSCG            $3.00
```

Advanced Operations

Advanced Operations

Mixed food stamp/cash change (continued…)

Example 3

			OPERATION	RECEIPT

Item 1	Dept. 1	$2.00
	Taxable	1, F/S
Item 2	Dept. 1	$1.20
	Taxable	1, F/S
Item 3	Dept. 3	$0.30
	Taxable	1
Payment	**Food stamp**	**$5.00**

OPERATION:

2 **00** **1**
1 **2** **0** **1**
3 **0** **3**
FS/ST

5 **00** **FS/TD**

RECEIPT:
```
1 DEPT01      T1 F    $2.00
1 DEPT01      T1 F    $1.20
1 DEPT03      T1      $0.30
  TA1                 $0.30
  TX1                 $0.01
  TL              $3.51
  FSST                $3.20
  FSTD                $5.00
  FSCG                $1.00
  CG                  $0.49
```

When food stamp items are included in a transaction, the amount of change due in cash is applied as a cash amount tendered for cash (nonfood stamp) items. In this example, the $0.30 purchase is automatically deducted from the $0.80 cash due in change from the food stamp purchase.

Example 4

			OPERATION	RECEIPT

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 1	$2.50
	Taxable	1, F/S
Item 3	Dept. 3	$5.00
	Taxable	No
Payment	**Food stamp**	**$5.00**
	Cash	$4.50

OPERATION:

1 **00** **1**
2 **5** **0** **1**
5 **00** **3**
FS/ST

5 **00** **FS/TD**
CA/AMT /TEND

RECEIPT:
```
1 DEPT01      T1 F    $1.00
1 DEPT01      T1 F    $2.50
1 DEPT03              $5.00
  FSST                $3.50
  FSTD                $5.00
  FSCG                $1.00
  CASH                $4.50
```

The following calculation is performed internally to apply the cash change due on the food stamp transaction to the balance due of the cash transaction.

	Food stamp transaction	Cash transaction
Price items:	$3.50	$5.00
Tax:	$0.00	$0.00
Total due:	$3.50	$5.00
Amount tendered:	$5.00 (food stamp)	$4.50 (cash), $0.50 (change from food stamp)
Amount due:	$3.50	
Change amount due:	$1.00 (food stamp), $0.50 (cash)	
Total:		$5.00

Mixed food stamp/cash change (continued…)

Food stamp + Taxable 1 + Taxable 2

When food stamps are received as partial tender for items preset with the status "food stamp", "taxable 1", and "taxable 2", the calculation are performed using one of the two cases described in this section. The case used depends on the food stamp amount received as partial tender.

Case 1

This case is used when the total amount of the items preset with the status "food stamp", "taxable 1", and "taxable 2" is greater than or equal to the food stamp amount received as partial tender. Case 1 subtracts the food stamp amount tendered from both the taxable 1 amount and taxable 2 amount.

Example 5

			OPERATION	RECEIPT

Item 1	Dept. 1	$2.00
	Taxable	1, F/S
Item 2	Dept. 2	$3.00
	Taxable	2, F/S
Item 3	Dept. 1	$2.00
	Taxable	1/2, F/S
Payment	**Food stamp**	**$2.00**
	Cash	$5.23

OPERATION

2 00 1
3 00 2
T/S2 2 00 1
FS/ST

2 00 FS/TD
CA/AMT/TEND

RECEIPT

```
1 DEPT01     T1  F    $2.00
1 DEPT02     T2  F    $3.00
1 DEPT01     T12F     $2.00
  FSST                $7.00
  FSTD                $2.00
  TA1                 $2.00
  TX1                 $0.08
  TA2                 $3.00
  TX2                 $0.15
  CASH                $5.23
```

In this example, the food stamp received as partial tender is $2.00, so that amount is deducted from both the taxable 1 amount and taxable 2 amount. This means that the remaining taxable 1 amount is $2.00, while the remaining taxable 2 amount is $3.00.

Advanced Operations

Advanced Operations

Mixed food stamp/cash change (continued…)

Case 2

This case is used when the total amount of the items preset with the status "food stamp", "taxable 1", and "taxable 2" is less than or equal to the food stamp amount received as partial tender.

Example 6

Item 1	Dept. 1	$2.00	
	Taxable	1, F/S	
Item 2	Dept. 2	$3.00	
	Taxable	2, F/S	
Item 3	Dept. 1	$2.00	
	Taxable	1/2, F/S	
Payment	**Food stamp**	**$4.00**	
	Cash	$3.05	

OPERATION

2 00 1
3 00 2
T/S2 2 00 1
FS/ST

4 00 FS/TD
CA/AMT /TEND

RECEIPT

```
1 DEPT01      T1  F    $2.00
1 DEPT02      T2  F    $3.00
1 DEPT01      T12F     $2.00
  FSST                 $7.00
  FSTD                 $4.00
  TA2                  $1.00
  TX2                  $0.05
  CASH                 $3.05
```

Electronic benefits transfer

In addition to standard food stamp tender finalizations, this model also allows finalization for tenders electronic benefits transfer (EBT) card.

EBT tenders can be accepted for New Jersey rule or Illinois rule food stamp tenders, as well as for food stamp tenders that do not follow these rules.

About mixed EBT card tenders

When the register is programmed to prohibit an EBT amount tendered that exceeds the food stamp subtotal, nonfood stamp items cannot be paid for using an EBT card. In this case, the following applies:
- ST – (EBT/TEND – FS/ST) = Balance due (the remaining balance due must be finalized using another finalize key.)
  When the register is programmed to allow an EBT amount tendered that exceeds the food stamp subtotal, nonfood stamp items can be paid for using an EBT card. In this case, there are two possible situations:
- ST > EBT/TEND
  ST – (EBT/TEND – FS/ST) = Balance due (the remaining balance due must be finalized using another finalize key.)
- EBT/TEND > or = ST
  EBT/TEND – ST = cash change

No change due

Example 1

			OPERATION	RECEIPT

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$2.00
	Taxable	2, F/S
Item 3	Dept. 3	$3.00
	Taxable	F/S
Payment	**EBT**	**$6.00**

OPERATION

1 00 1
2 00 2
3 00 3
FS/ST

6 00 EBT

RECEIPT

```
1 DEPT01    T1 F    $1.00
1 DEPT02    T2 F    $2.00
1 DEPT03       F    $2.00
  TL          $6.00
  FSST              $6.00
  EBTTD             $6.00
```

Example 2

OPERATION
RECEIPT

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$2.00
	Taxable	1, F/S
Item 3	Dept. 3	$3.00
	Taxable	1
Payment	**EBT**	**$5.00**
	Cash	$1.12

```
1 00  [1]
2 00  [2]
3 00  [3]
      [FS/ST]

5 00  [EBT]
      [CA/AMT TEND]
```

```
1 DEPT01     T1 F    $1.00
1 DEPT02     T1 F    $2.00
1 DEPT03     T1      $3.00
  FSST               $3.00
  EBTTD              $5.00
  TA1                $3.00
  TX1                $0.12
  CASH               $1.12
```

Change due

OPERATION
RECEIPT

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$1.20
	Taxable	1, F/S
Item 3	Dept. 3	$0.30
	Taxable	1
Payment	**EBT**	**$5.00**

```
1 00  [1]
1 2 0 [2]
3 0   [3]
      [FS/ST]

5 00  [EBT]
```

```
1 DEPT01     T1 F    $1.00
1 DEPT02     T1 F    $1.20
1 DEPT03     T1      $0.30
  TA1                $0.30
  TX1                $0.01
  TL                $2.51
  FSST               $2.20
  EBTTD              $5.00
  CG                 $2.49
```

Tips

Example

OPERATION
RECEIPT

Item 1	Unit price	$3.00
	Dept.	1
Item 2	Unit price	$5.00
	Dept.	2
Tip	**Amount**	**$0.80**
Payment	Cash	$10.00

```
3 00  [1]
5 00  [2]
      [SUB TOTAL]
8 0   [TIP]
1 0 00 [CA/AMT TEND]
```

```
1 DEPT01             ·3.00
1 DEPT02             ·5.00
  TIP                ·0.80
  TL                $8.80
  CASH              $10.00
  CG                 $1.20
```

Inputting the number of customers

Example 1

			OPERATION	RECEIPT
Item 1	Unit price	$15.00		
	Dept.	1		
Item 2	Unit price	$5.00		
	Dept.	2		
Customer	**Number**	**2**		
Payment	Cash	$20.00		

OPERATION

`2` `CST`

`1` `5` `00` `1`

`5` `00` `2`

`SUB TOTAL`

`CA/AMT TEND`

RECEIPT

```
CT                    2
1 DEPT01          ·15.00
1 DEPT02           ·5.00
TL              ·20.00
CASH             ·20.00
```

Example 2

You can only use the following operation to re-input the number of customers when <CUSTOMER> (customer number key) is preset to allow re-input. When programming prohibits re-input of the number of customers, this operation causes an error.

OPERATION

`3` `CST`

`1` `5` `00` `1`

`5` `00` `2`

`2` `CST`

`SUB TOTAL`

`2` `0` `00` `CA/AMT TEND`

RECEIPT

```
CT                    3
1 DEPT01          ·15.00
1 DEPT02           ·5.00
CT                    2
TL              ·20.00
CASH             ·20.00
```

You can re-input the number of customers either immediately after the initial input or during later registration.

Example 3

You can use the following operation to add customers to an original number of customers input (when addition to the number of the customer is allowed).

OPERATION

`3` `CST`

`1` `5` `00` `1`

`5` `00` `2`

`2` `CST`

`SUB TOTAL`

`2` `0` `00` `CA/AMT TEND`

RECEIPT

```
CT                    3
1 DEPT01          ·15.00
1 DEPT02           ·5.00
CT                    5
TL              ·20.00
CASH             ·20.00
```

Text recall

This procedure is used to recall text by inputting the address where the text is stored. The recalled text is printed on the receipt and journal.

Example

			OPERATION	RECEIPT
Item 1	Unit price	$46.00		
	Dept.	1		
Item 2	Unit price	$10.00		
	Dept.	2		
Payment	Cash	$56.00		
Text 1	**MEDIUM SIZE**			
Text 2	**SMALL SIZE**			

OPERATION

4 6 00 1
1 TEXT RECALL
1 0 00 2
2 TEXT RECALL
SUB TOTAL
CA/AMT TEND

RECEIPT

```
    CT              3
 1 DEPT01       ·46.00
MEDIUM SIZE
 1 DEPT02       ·10.00
SMALL SIZE
    TL        ·56.00
    CASH        ·56.00
```

Temporarily releasing compulsion

<OPEN 2> (open 2 key) can be programmed to release specific compulsion.

Example 1

			OPERATION	RECEIPT
Item	Unit price	$10.00		
	Dept.	1		
Payment	Check	$10.00		
Validation compulsory				

OPERATION

1 0 00 1
1 0 00 CHK/TEND

2 00 2
Validation compulsory

OPEN 2   Validation compulsory
is temporarily released.

RECEIPT

```
 1 DEPT01       ·10.00
    TL        ·10.00
    CHECK       ·10.00
```

Example 2

			OPERATION	RECEIPT
Input customer No. compulsory				
Item	Unit price	$10.00		
	Dept.	1		
Payment	Check	$10.00		

OPERATION

1 0 00 1
Input customer No. compulsory

OPEN 2

Compulsory is temporarily released.

1 0 00 1
1 0 00 CHK/TEND

RECEIPT

```
 1 DEPT01       ·10.00
    TL        ·10.00
    CHECK       ·10.00
```

Printing slip

To perform batch printing on the slip printer, you must first use the memory allocation operation (see program 5 mode in the dealer's manual) to reserve slip buffer memory. The capacity of the slip buffer memory is determined by the number of units of slip buffer memory reserved by the memory allocation operation.
The register can be programmed to check the status of the registration buffer memory whenever slip batch printing is performed, and sound an alarm when the buffer memory is almost full. The alarm sounds when there are 12 lines or less remaining, and once it starts to sound, the only operation you can perform is the cancel operation or operations using one of the following keys.

- <CA/AMT TEND> (cash/amount tendered key) operation
- <CH> (charge key) operation
- <CHK/TEND> (check tendered key) operation
- <DEPOSIT> (deposit key) operation
- <NEW BALANCE> (new balance key) operation
- <SUBTOTAL> (subtotal key) operation

You must perform one of above operations when the registration buffer alarm sounds. Any other operations results in an error.

Printing slips

The cash register can be connected to the optional SP-1300 slip printer, which features an automatic feed function and automatic back feed function.

• Automatic feed function

This function makes it possible to program the number of line feeds that should be inserted from the normal print start position before starting slip printing of a new slip. Even if line feeds are programmed for this function, they are not inserted for validation printing, check endorsement printing, and check printing performed using the slip printer. Note also that line feeds are not inserted automatically at the beginning of a second slip when the transaction requires printing that extends from one slip to another.

• Automatic back feed function

This function performs automatic back feed following slip printing, validation printing, and endorsement printing on the slip printer. The slip paper is released once the back feed operation is complete.

• Manual feed function

<SLIP FEED/RELEASE> (slip feed/release key: assigned to the register's keyboard using the program 4 mode) can be used for manual feed of the slip paper. You perform manual feed by inputting a value for the number of lines (up to two digits in the range of 1 to 99) and then press <SLIP FEED/RELEASE>.

• Manual back feed function

<SLIP BACK FEED/RELEASE> (slip back feed/release key: assigned to the register's keyboard using the program 4 mode) can be used for manual back feed of the slip paper. Manual back feed can be performed by inputting a value for the number of lines (up to two digits in the range of 1 to 99) and then press <SLIP BACK FEED/RELEASE>.
You can print slips using automatic or manual batch printing. The slip print operation can be performed in REG1, REG2, and RF modes only.
Finalizing a registration without inserting a slip paper into the slip printer when the register is programmed as "slip paper insertion into slip printer compulsory before finalizing registration" produces an error.

Advanced Operations

Advanced Operations

To perform auto batch printing 1

Registration ➜ Insert a slip paper into the slip printer. ➜ Finalization ➜ Remove slip paper.

Print receipt/journal.

Print receipt/journal. Print slip.

To perform auto batch printing 2

Registration/ finalization ➜ Insert a slip paper into the slip printer. ➜ **SLIP PRINT** ➜ Remove slip paper.

Print receipt/journal.

Print slip.
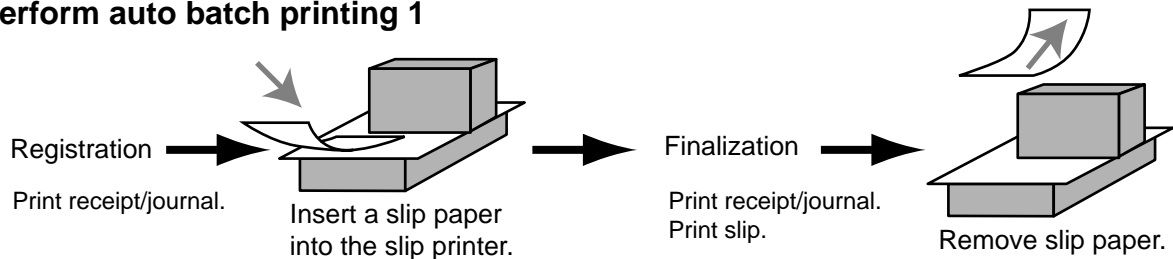
About the maximum number of slip lines

You can program the maximum number of lines that can be printed on a slip. Once you do, any attempt to exceed the preset maximum results in an error. When such an error occurs, press <C>, change slip paper and press <SLIP PRINT> to restart printing.

Check tracking systems

Check tracking system

With the check tracking system, the amount, check number, number of slip print lines, store number, date/time and registration detail data are stored in two files (check tracking index file and check tracking detail file).

• Check tracking detail file and index file are cleared by the following timing:

1. The check is cleared after printing finalized data on slip or guest check receipts, or the check is also cleared when the new or old check operation is made.
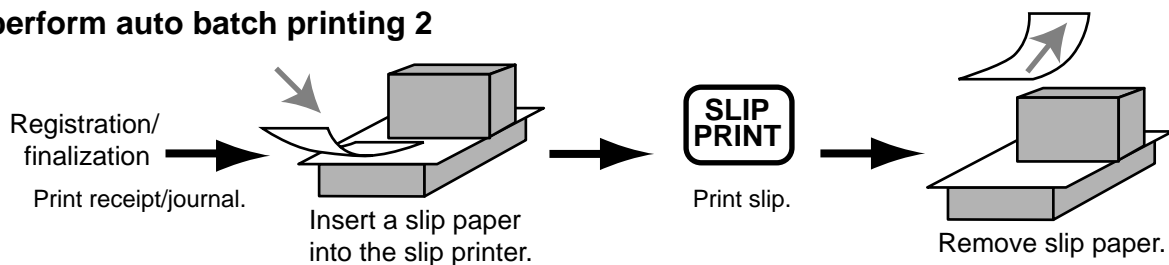
2. The check is cleared after printing finalized data on slip or guest check receipt, or check is also cleared when the same finalized check number is assigned in new check operation.

   You can select one of these options by programming.

• Auto new balance function

   The register can be programmed so that whenever a clerk (by clerk key) signs off while a check is open, a <NEW BALANCE> operation is automatically performed to temporarily finalize the open check.

• You can specify a range of checks that can be opened by each clerk. Once you do, any attempt by a clerk to open a check using a number that is not within his specified range results in an error.

• Either of the following two operations can be used to correct input of a wrong check number.

   <NEW CHECK>

   Re-input the correct check number, or cancel the original check number, issue a receipt, and then re-input the correct check number.

   <OLD CHECK>, <NEW/OLD>

   Temporary finalize the original check number, issue a receipt, and then re-input the correct check number.

Opening a check

Example

	OPERATION		**RECEIPT**

Check#		1234
Table#		33
Item 1	Dept 1	$10.00
	Quantity	2
Item 2	Dept 2	$20.00
	Quantity	2
Item 3	Dept 3	$30.00
	Quantity	1

OPERATION

`1` `2` `3` `4` `NEW CHECK`
`3` `3` `TABLE #`
`1` `0` `00` `1`
`1`
`2` `0` `00` `2`
`2`
`3` `0` `00` `3`

Insert slip

`NB`

Remove slip

RECEIPT

```
CHECK No. 1234

  TBL#            000033
1 DEPT01          ·10.00
1 DEPT01          ·10.00
1 DEPT02          ·20.00
1 DEPT02          ·20.00
1 DEPT03          ·30.00
  +                ·0.50
  SRVC TL        ·90.50
```

Press <NEW BALANCE> to temporarily close the transaction. If you want to finalize a check immediately, use <CASH>, <CHARGE>, <CREDIT> or <CHECK>.

Adding to a check

Example

	OPERATION		**RECEIPT**

Check#		1234
Table#		33
Item 1	Dept 1	$30.00
	Quantity	1
Item 2	Dept 2	$10.00
	Quantity	1

OPERATION

`1` `2` `3` `4` `OLD CHECK`
`3` `0` `00` `1`
`1` `0` `00` `2`

Insert slip

`NB`

Remove slip

RECEIPT

```
TABLE No.000033       CT  1
CHECK No. 1234

  ST              ·90.50
1 DEPT01          ·30.00
1 DEPT02          ·10.00
  +                ·0.50
  SRVC TL       ·131.00
```

- The table number is stored in the check tracking index memory so its input is not required in this operation even if table number input is preset as compulsory. Table number input after inputting the check number may be performed, however, without generating an error.
- Once a check is opened under a number in a certain mode (REG1 or REG2), the same mode must be used to make additions to the check.

Advanced Operations

Advanced Operations

Issuing a guest receipt

The following operation can be used to print out the balance of a temporarily finalized check.

Example

OPERATION	RECEIPT

`1` `2` `3` `4` GUEST RECEIPT
 	
Input the number of check you want.
	TABLE No.000033 CT 1
	CHECK No. 1234
	
	1 DEPT01 ·10.00
	1 DEPT01 ·10.00
	1 DEPT02 ·20.00
	1 DEPT02 ·20.00
	1 DEPT03 ·30.00
	   + ·0.50
	1 DEPT01 ·30.00
	1 DEPT02 ·10.00
	   + ·0.50
	   SRVC TL ·131.00

Closing a check memory

Example

OPERATION	RECEIPT

`1` `2` `3` `4` OLD CHECK
`1` `5` `0` `00` CA/AMT TEND
	TABLE No.000033 CT 1
	CHECK No. 1234
	
	   ST ·131.00
	   CASH ·150.00
	   CG ·19.00

SLIP

```
REG          03-06-2000(SAT)   17:05
C01          MC#01             000150
TABLE No.000033                CT  1
CHECK No. 1234

          1 DEPT01             ·10.00
          1 DEPT01             ·10.00
          1 DEPT02             ·20.00
          1 DEPT02             ·20.00
          1 DEPT03             ·30.00
          +                     ·0.50
#13         SRVC TL           ·90.50
          1 DEPT01             ·30.00
          1 DEPT02             ·10.00
          +                     ·0.50
#17         SRVC TL          ·131.00
            TL               ·131.00
            CASH              ·150.00
            CG                 ·19.00
```

New/old check key operation

Example 1

When a check number is input and <NEW/OLD> is pressed, the key works as a new check key function if there is no matching check number in the check tracking memory.

OPERATION	RECEIPT

3 4 5 6 [NEW/OLD]
Input a check number and press <NEW/OLD>.

1 0 00 [1]
2 0 00 [2]
[NB]

```
CHECK No. 3456

1 DEPT01             ·10.00
1 DEPT02             ·20.00
  +                   ·0.50
  SRVC TL          ·30.50
```

Example 2

When a check number is input and <NEW/OLD> is pressed, the key works as an old check key if there is matching check number in the check tracking memory.

OPERATION	RECEIPT

3 4 5 6 [NEW/OLD]
3 1 00 [CA/AMT TEND]

```
CHECK No. 3456

ST                   ·30.50
TL                 ·30.50
CASH                 ·31.00
CG                    ·0.50
```

Advanced Operations

Advanced Operations

Add check

This operation lets you combine the amounts of more than one check into a single check.

Example

Registration for check number 1234

OPERATION	RECEIPT

Original check

Check#		1234
Item 1	Dept 1	$10.00
	Quantity	1
Item 2	Dept 2	$20.00
	Quantity	1

```
1  2  3  4  [NEW CHECK]
      3  3  [TABLE #]
1  0  00  [1]
2  0  00  [2]
         [NB]
```

```
CHECK No. 1234

  TBL-#           000033
1 DEPT01           ·10.00
1 DEPT02           ·20.00
  +                 ·0.50
  SRVC TL        ·30.50
```

Registration for check number 3456

OPERATION	RECEIPT

Added check

Check#		3456
Item	Dept 1	$30.00
	Quantity	1

```
3  4  5  6  [NEW CHECK]
3  0  00  [1]
         [NB]
```

```
CHECK No. 3456

1 DEPT01           ·30.00
  +                 ·0.50
  SRVC TL        ·30.50
```

Registration for check number 1234

OPERATION	RECEIPT

Check No. :
1234

Check No. :
3456

```
1  2  3  4  [OLD CHECK]
3  4  5  6  [ADD CHECK]
         [NB]
```

```
TABLE No.000033        CT   1
CHECK No. 1234

  ST              ·30.50
  ADD CHK           3456
  ST              ·30.50
  +                ·0.50
  SRVC TL       ·61.50
```

Separate check

This operation makes it possible to split a single check into separate checks.

Example

Original check		
Check#		**1234**
Item 1	Dept 1	$10.00
	Quantity	1
Item 2	Dept 2	$20.00
	Quantity	1
Item 3	Dept 3	$30.00
	Quantity	1
Item 4	Dept 4	$40.00
	Quantity	1

Separated check		
Check#		**3456**
Item 1	Dept 1	$10.00
	Quantity	1
Item 2	Dept 3	$30.00
	Quantity	1
Payment	Cash	$40.00

OPERATION

3 **4** **5** **6** NEW CHECK

This input of a temporary check number can be skipped.

1 **2** **3** **4** SEPARATE CHECK

Input the original check number by <SEP CHK>.
Display shows the 1st item which will be separated.

SEPARATE CHECK

After <SEP CHK>, this item is separated.

REVIEW

Display shows the 3rd item which will be separated.

SEPARATE CHECK

NB

4 **0** **00** CA/AMT TEND

RECEIPT

```
CHECK No. 3456

  SEP CHK             1234
1 DEPT01           ·10.00
1 DEPT03           ·30.00
  TL              ·40.00
  CASH             ·40.00
  CG                ·0.00
```

Advanced Operations

Advanced Operations

Clerk transfer

This operation lets you change the clerk who is in charge of a specific open check number.

Example

To change the clerk for check number 1234 from clerk 1 to clerk number 4.

OPERATION	RECEIPT

`CLK#`

Press this key if you do not want the clerk No. or clerk secret No. to appear on the display.

`1` `CLK TRANS`

Input the clerk No. of the clerk who is currently in charge of check No. 1234 (target check).

`4` `OPE #`

Input the clerk No. of the clerk who will take over check No. 1234 (target check).

`1` `2` `3` `4` `NEW CHECK`

Input the target check No. that is transferred from clerk 1 to 4. You can use either <OLD CHK>, <NEW/OLD>. Note that if you skip this step, all check Nos currently assigned to clerk 1 are transferred to clerk 4.

`CLK TRANS`

```
CLK TRANS
C01                    C04
 1234               ·60.50      — Check No./NB amount
_____
 TL                 ·60.50
```

Table transfer

With this operation, you can change the number of a check.

Example 1

To change the check number 1234 to 1111 (which is newly opened).

	OPERATION	RECEIPT

Check No: 1234

1111 <CHK TRN>

Check No: 1234 → Check No: 1111

`1` `2` `3` `4` `NEW CHECK`

`1` `0` `00` `1`

`1` `1` `1` `1` `CHECK TRANS`

Input the new check No.

```
CHECK No. 1234

1 DEPT01              ·10.00
  ST                 ·10.00
  TBL TRANS            1111
  SRVC TL           ·10.00
```

Example 2

To change the check number 3456 to 2222 (which has already been opened).

	OPERATION	RECEIPT

Check No: 3456   Check No: 2222

1111 <CHK TRN>

Check No: 3456   Check No: 2222 / Added

`3` `4` `5` `6` `OLD CHECK`

`1` `0` `00` `1`

`2` `2` `2` `2` `CHECK TRANS`

```
CHECK No. 3456

  ST                 ·10.00
1 DEPT01             ·10.00
  TBL TRANS            2222
  SRVC TL           ·30.00
```

Price reductions (red price)

You can use the reduced price function to change a price; generally to an amount that is less than the normal price. You can program the register so that it prints the normal price, and the difference between the two prices on the receipt, while on journal, these items are always printed.

The following functions are able to work with red price.

- Department and PLU
- Quantity extension (Preset price is required for both department and PLU.)
- Amount limitation of item program (It effects to new price.)

  Note that you cannot use red price with the following types of item.
  - Department and PLUs programmed with negative unit prices
  - Set menus and link PLUs
  - Second unit prices
  - Multiplication operations that use the format: Amount × Quantity

Example 1

Item	Dept 1	$6.00
	Red price	$4.00
Payment	Cash	$4.00

OPERATION

4 **00** **RED PRICE**

Input a reduced price.

6 **00** **1**

CA/AMT TEND

RECEIPT

```
RED              ·6.00
RED PRC         −2.00
1 DEPT01         *4.00
TL              -4.00
CASH             ·4.00
```

Old price
Reduced price
New price (Difference between two prices)

Example 2

Item	PLU 1	$4.00
	Red price	$2.00
Payment	Cash	$6.00

OPERATION

3 **X/DATE TIME**

2 **00** **RED PRICE**

Input a reduced price.

1 **PLU**

CA/AMT TEND

RECEIPT

```
RED              ·6.00
RED PRC         −4.00
3 PLU0001        *6.00
TL              -6.00
CASH             ·6.00
```

- The model for the U.S./Canada, use ⌧ X/FOR DATE TIME instead of ⌧ X/DATE TIME .

Advanced Operations

Advanced Operations

Condiment/preparation PLUs

You can force entering condiment or preparation PLU after the main PLU registration by programming.

Example (condiment PLU)

	OPERATION	**RECEIPT**

Main item	PLU 1	$10.00
Condiment	PLU 11	$0.10
	PLU 12	$0.20
	PLU 13	$0.30
Payment	Cash	$10.60

OPERATION

1 **PLU**

Registering main PLU.
No condiment registration
occurs an error condition.

1 **1** **PLU**

1 **2** **PLU**

1 **3** **PLU**

CA/AMT TEND

RECEIPT

```
1 PLU0001        ·10.00
  PLU0011         ·0.10
  PLU0012         ·0.20
  PLU0013         ·0.30
  TL           ·10.60
  CASH           ·10.60
```

Example (preparation PLU)

	OPERATION	**RECEIPT**

Main item	PLU 20	$20.00
Preparation	PLU 21	$0.00
	PLU 22	$0.00
	PLU 23	$0.00
Payment	Cash	$20.00

OPERATION

2 **0** **PLU**

Registering main PLU.

2 **1** **PLU**

2 **2** **PLU**

2 **3** **PLU**

CA/AMT TEND

RECEIPT

```
1 PLU0020        ·20.00
  PLU0021
  PLU0022
  PLU0023
  TL           ·20.00
  CASH           ·20.00
```

VAT breakdown printing

You can force printing of the VAT breakdown at the finalize stage, regardless of whether the cash register is programmed to print or skip printing of the VAT breakdown.

Every time you want to have VAT breakdown, press <VAT>.

Example

			OPERATION	RECEIPT
Item 1	Dept 1	$1.00		
	Taxable	1		
Item 2	PLU 1	($2.00)		
	Taxable	2		
Payment	Cash	$3.00		

OPERATION:
```
1 00 1
2 PLU
VAT
CA/AMT TEND
```

RECEIPT:
```
1 DEPT01      T1      ·1.00
1 PLU0001     T2      ·2.00
  TA1                 ·0.90
  TX1                 ·0.10
  TA2                 ·1.90
  TX2                 ·0.10
  TL             ·3.00
  CASH                ·3.00
```

Deposit registrations

Use the following procedures to register deposits.

Deposit from customer

			OPERATION	RECEIPT
Deposit	Cash	$50.00		

OPERATION:
```
5 0 00 DEPOSIT −
CA/AMT TEND
```

RECEIPT:
```
DEP0−               ·50.00
TL            ·50.00
CASH                ·50.00
```

Deposit from customer during sales transaction

			OPERATION	RECEIPT
Items	Dept 1	$10.00		
	Dept 2	$20.00		
Deposit		**$20.00**		
Payment	Cash	$10.00		

OPERATION:
```
1 0 00 1
2 0 00 2
2 0 00 DEPOSIT +
CA/AMT TEND
```

RECEIPT:
```
1 DEPT01            ·10.00
1 DEPT02            ·20.00
  DEP0+            −20.00
  TL           ·10.00
  CASH              ·10.00
```

Advanced Operations

Bill copy

Example 1

To issue a copy of a bill dated June 3, 2000 in the amount of $35.00 cash.

| | **OPERATION** | **RECEIPT** | |

```
0 3 0 6 2 0 0 0  BILL
                 COPY
```
Enter date by date order.

```
3 5 00  CA/AMT
        TEND
```

```
 * BILL TOP MESSAGE 1 *
 * BILL TOP MESSAGE 2 *          Bill top message *1
 * BILL TOP MESSAGE 3 *
 * BILL TOP MESSAGE 4 *

REG  03-06-2000(SAT)
C01        MC#01
 * BILL COPY MESSAGE 1 *
 * BILL COPY MESSAGE 2 *         Bill copy message *1
 * BILL COPY MESSAGE 3 *
 * BILL COPY MESSAGE 4 *
 TA1              ·35.00
 TX1               ·3.50         Add-on tax amount
 TL              ·38.50
 CASH             ·38.50

 * BILL BTM MESSAGE 1 *
 * BILL BTM MESSAGE 2 *          Bill bottom message *1
 * BILL BTM MESSAGE 3 *
 * BILL BTM MESSAGE 4 *          *1 Programmable option
```

Note that you can finalize this operation using the cash amount tendered key.

Example 2

To issue a copy of a bill dated June 3, 2000 in the amount of Euro 30.00 cash (sub-currency).

| | **OPERATION** | **RECEIPT** | |

```
0 3 0 6 2 0 0 0  BILL
                 COPY

                 EURO
                 PD

3 0 00  CA/AMT
        TEND
```

```
 * BILL TOP MESSAGE 1 *
 * BILL TOP MESSAGE 2 *          Bill top message *1
 * BILL TOP MESSAGE 3 *
 * BILL TOP MESSAGE 4 *

REG  03-06-2000(SAT)
C01        MC#01
 * BILL COPY MESSAGE 1 *
 * BILL COPY MESSAGE 2 *         Bill copy message *1
 * BILL COPY MESSAGE 3 *
 * BILL COPY MESSAGE 4 *
 TA1              €27.28
 TX1               €2.72         Add-in tax amount
 TL              €30.00
 CASH             €30.00

 * BILL BTM MESSAGE 1 *
 * BILL BTM MESSAGE 2 *          Bill bottom message *1
 * BILL BTM MESSAGE 3 *
 * BILL BTM MESSAGE 4 *          *1 Programmable option
```

Actual stock quantity inquiry

With this operation, you can recall the actual stock quantity for PLUs and show it on the display of the cash register.

Example

To check the actual stock quantity of PLU 32 and flat-PLU 001.

OPERATION	DISPLAY (7segment)
[STOCK INQ] [3] [2] [PLU]	*123.45*
[STOCK INQ] [001]	*1*

Actual stock quantity are appeared.

Unit price inquiry

Use this operation to recall the unit prices of departments, PLUs, second unit price of PLUs, or scanning PLUs. The unit prices appear on the display of the cash register when recalled.

Example

To check the unit price of PLU 32, flat-PLU 001, department 1.

OPERATION	DISPLAY (7 segment)
[PRICE INQ] [3] [2] [PLU]	*1.45*
[PRICE INQ] [001]	*3.00*
[PRICE INQ] [1]	*14.00*

Advanced Operations

Previous item void using <REVIEW>

You can correct the previously registered item(s) in the same transaction by using <REVIEW> (review key).

Example

			OPERATION	DISPLAY
Item 1	Dept. 1	$2.35		
	Quantity	1		
Item 2	Dept. 2	$2.00		
	Quantity	1		
Item 3	PLU 1	($1.20)$_{preset}$		
	Quantity	1		
Corrected Item 1	**Dept. 1**	**$2.35**		
	Quantity	**1**		
Payment	Cash	$3.20		

OPERATION

2 3 5 **1**

2 00 **2**

1 **PLU**

REVIEW
Review the item to be corrected.

VOID
Press <VOID> to correct.

CA/AMT /TEND

DISPLAY

```
1 ST       ·2.35
DEPT01
              2.35
```

```
2 ST       ·4.35
DEPT02
              2.00
```

```
3 ST       ·5.55
PLU001
              1.20
```

```
** REVIEW   **
DEPT01       1 QT
              2.35
```

```
2 ST       ·3.20
DEPT01
            - 2.35
```

```
CASH
              3.20
```

RECEIPT

```
1 DEPT02          ·2.00
1 PLU0001         ·1.20
  TL            ·3.20
  CASH            ·3.20
```

Scanning PLU

Product barcodes are read by scanning with hand-held scanner, and are filed in the scanning PLU file together with the unit price, item descriptor, programming status, link department, totalizer and counter.

When a barcode is entered by scanning, or from the keyboard by using <OBR> (OBR key) or <One touch NLU> (One touch NLU key) and it has been filed in the scanning PLU file, the preset unit price is accumulated to its own totalizer and other appropriate totalizers.

Scanning PLUs include UPC-A/UPC-E/EAN-13/EAN-8, source marking, in-store marking code.

Item registration

By scanner/code input/one touch NLU key

					OPERATION		RECEIPT

Item 1 (scan)	Scan-PLU	($2.35)
	PLU code	49012347
Item 2 (code)	Scan-PLU	($2.00)
	PLU code	123456
Item 3 (OTN)	Scan-PLU	($1.23)
	PLU code	49012354
Payment	Cash	$5.58

"Scanning"

`1` `2` `3`
`4` `5` `6` `OBR`

Scanning-PLU code and OBR key

`NLU`

One touch NLU

`CA/AMT TEND`

RECEIPT

```
1 Scan-PLU01        ·2.34
  #49012347                 ── Scanning PLU code *1
1 Scan-PLU02        ·2.00
  #123456
1 Scan-PLU03        ·1.23
  #49012354
  TL           -5.58
  CASH             ·5.58    *1 Programmable option
```

Not found PLU

When a scanning PLU item which does not exist in the scanning PLU file is registered, an error occurs (Item not found error). In this case, you can input this item to the ECR and register it at the same time. After this operation, "Item not found error" does not occur during the next registration.

OPERATION

Item 1 (scan)	Scan-PLU	($1.00)
	PLU code	49012361
	Dept.	1
Item 2 (scan)	Scan-PLU	($1.00)
	PLU code	49012361
Payment	Cash	$2.00

"Scanning"
Does not exist in the scanning PLU file

"Not Found Error"

`1` `0` `0` `1`

Input price and press the linked department key.

"Scanning"
Register normally.

`CA/AMT TEND`

RECEIPT

```
2 DEPT01            ·2.00 ── Link department
  #49012361                   descriptor/amount
  TL           -2.00
  CASH             ·2.00
```

After daily operation, a "Not found PLU maintenance" is necessary to merge not found PLU(s) into the scanning PLU file. Please consult with your dealer in detail.

Advanced Operations

Programming to clerk

You can program up to 4-digit assigning number (clerk number), trainee status of clerk (i.e. training cashier) and commission rate for each clerk.

Programming clerk number
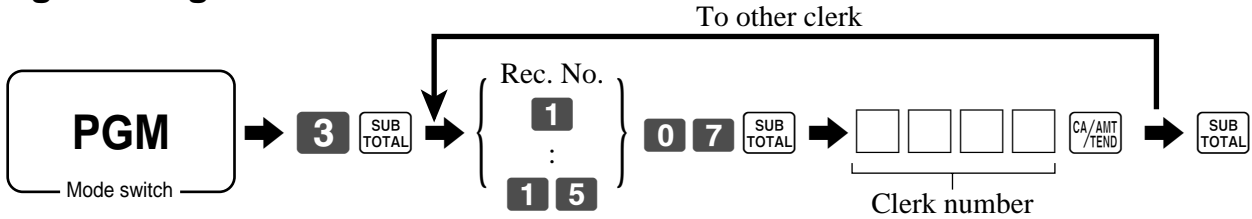
Programming trainee status
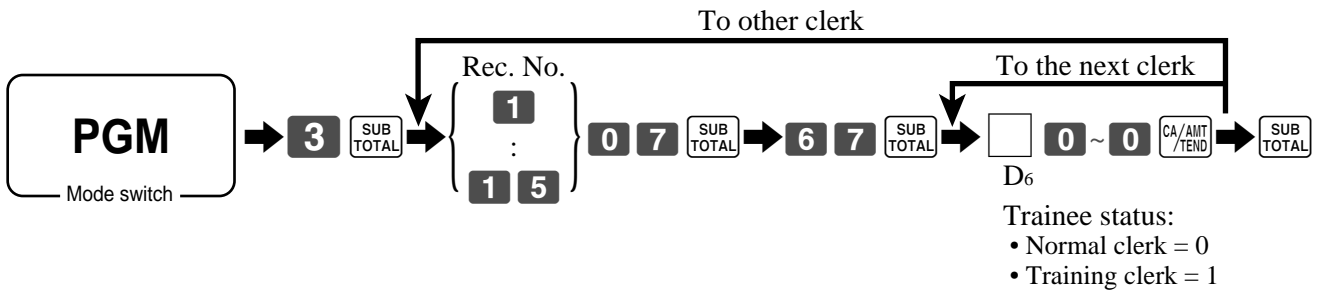
Programming commission rate
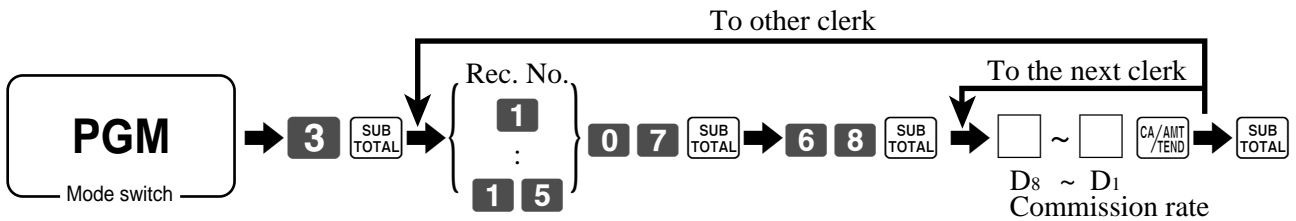
Record No.	Clerk number				Trainee status		Commission rate							
							Commission rate 1				Commission rate 2			
							Integer		Decimal		Integer		Decimal	
	D_4	D_3	D_2	D_1	D_6	00000	D_8	D_7	D_6	D_5	D_4	D_3	D_2	D_1
1						00000								
2						00000								
3						00000								
4						00000								
5						00000								
6						00000								
7						00000								
8						00000								
14						00000								
15						00000								

Character programming can be performed in two ways:
- **Character keyboard programming (see page 97),**
          or
- **Entering characters by code (see page 98).**

Programming descriptors and messages

The following descriptors and messages can be programmed;
- Messages (Logo, commercial and bottom message)
- Clerk name
- PLU item descriptor
- Department key descriptor
- Machine number

Programming receipt message and clerk name

To other address code

To the next address code

PGM (Mode switch) → 2 [SUB TOTAL] → ☐☐☐☐ (Address code) [SUB TOTAL] → Characters → [CA/AMT /TEND] → [SUB TOTAL]

☞ See "Entering characters" section.
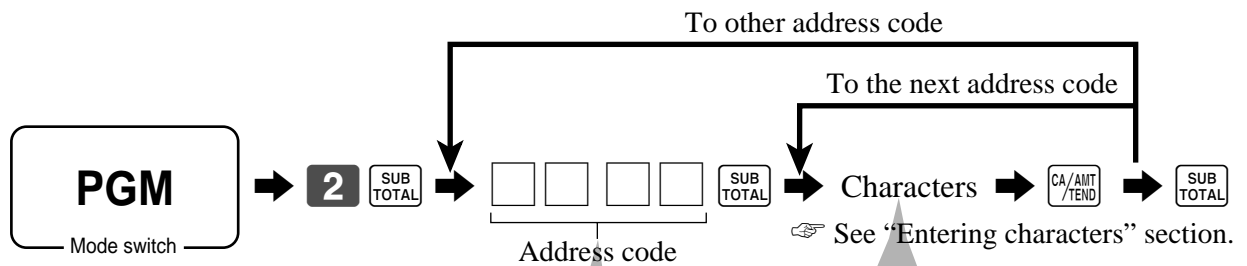
Address code	Contents	Initial character	Yours
0107	Clerk 01	C01	
0207	Clerk 02	C02	
0307	Clerk 03	C03	
0407	Clerk 04	C04	
0507	Clerk 05	C05	
0607	Clerk 06	C06	
0707	Clerk 07	C07	
0807	Clerk 08	C08	
1407	Clerk 14	C14	
1507	Clerk 15	C15	

Machine number

Up to 8 characters can be set.

Address code	Contents	Initial character
Machine number		
0191	Machine number	MC#01

Advanced Operations

Address code	Contents	Initial character	Yours
0132	1st line of logo message	YOUR RECEIPT	
0232	2nd line of logo message	THANK YOU	
0332	3rd line of logo message	CALL AGAIN	
0432	4th line of logo message		
0532	1st line of commercial message		
0632	2nd line of commercial message		
0732	3rd line of commercial message		
0832	4th line of commercial message		
0932	1st line of bottom message		
1032	2nd line of bottom message		
1132	3rd line of bottom message		
1232	4th line of bottom message		
1332	1st line of bill top message		
1432	2nd line of bill top message		
1532	3rd line of bill top message		
1632	4th line of bill top message		
1732	1st line of bill copy message		
1832	2nd line of bill copy message		
1932	3rd line of bill copy message		
2032	4th line of bill copy message		
2132	1st line of bill bottom message		
2232	2nd line of bill bottom message		
2332	3rd line of bill bottom message		
2432	4th line of bill bottom message		
2532	Post receipt message		
2632	1st line of guest intermediate msg.		
2732	2nd line of guest intermediate msg.		
2832	3rd line of guest intermediate msg.		
2932	4th line of guest intermediate msg.		
3032	1st line of guest bottom msg.		
3132	2nd line of guest bottom msg.		
3232	3rd line of guest bottom msg.		
3332	4th line of guest bottom msg.		
3432	5th line of guest bottom msg.		
3532	6th line of guest bottom msg.		
3632	7th line of guest bottom msg.		
3732	8th line of guest bottom msg.		
3832	9th line of guest bottom msg.		
3932	10th line of guest bottom msg.		

Programming department/transaction key descriptor

To another department/transaction key

PGM — Mode switch → **2** $\boxed{\text{SUB TOTAL}}$ → Characters → Department key / Transaction key → $\boxed{\text{SUB TOTAL}}$

☞ See "Entering characters" section.
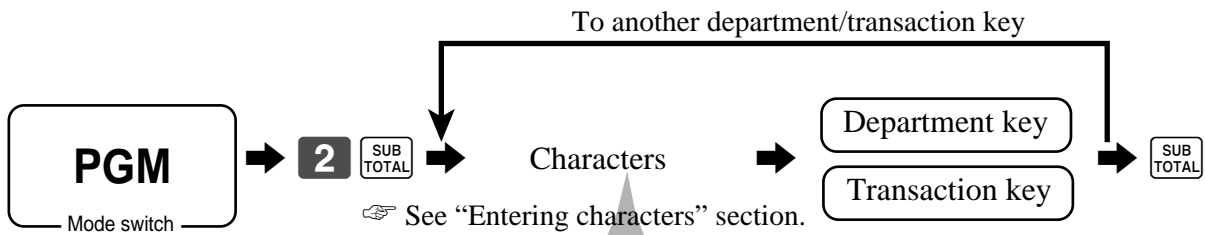
Contents	Initial character	Yours
Department 01	DEPT01	
Department 02	DEPT02	
Department 03	DEPT03	
Department 04	DEPT04	
Department 05	DEPT05	
Department 06	DEPT06	

Contents	Initial character	Yours
Cash/Amount tendered	CASH	
Charge	CHARGE	
Check	CHECK	
Credit 1	CREDIT1	
Credit 2	CREDIT2	
Loan	LOAN	
Received on account	RC	
Paid out	PD	
Pick up	P.UP	
Minus	–	
Discount	%-	
Refund	RF	
Correction	CORR	
Validation	VLD	
Receipt	RCT	
Non add/No sale	#/NS	
VAT	VAT	
Tax shift 1	T/S1	
Tax shift 2	T/S2	
Open	OPEN	
Clerk number	CLK#	
Subtotal	SUBTOTAL	
Receipt on/off	RCT ON/OFF	
Multiplication/Date time	X	
Multiplication/for/Date time	QT	
Two zero	00	
Decimal point	.	
Media change	MEDIA CHG	

Advanced Operations

Advanced Operations

Programming flat-PLU descriptor

To another flat-PLU key

PGM
— Mode switch — → 2 [SUB TOTAL] → Characters → [MENU] → (flat-PLU key) → [SUB TOTAL]

☞ See "Entering characters" section.

Use [MENU] to program to 2nd ~ 6th flat-PLU key.
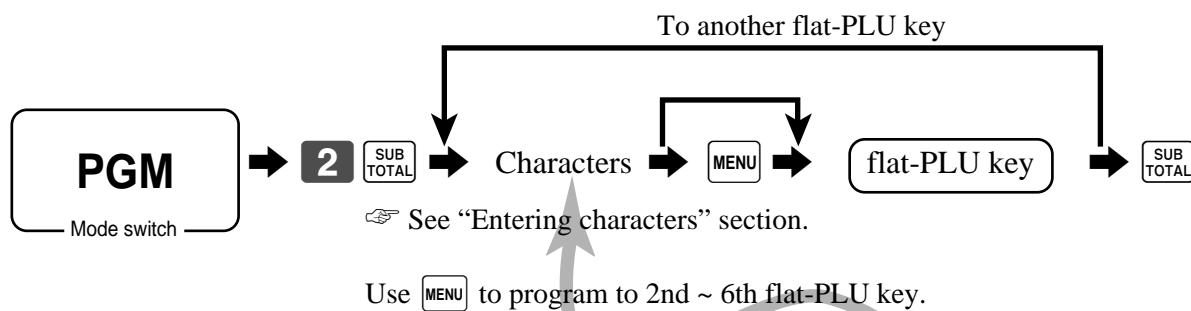
PLU No.	Contents	Initial character	Yours
PLU			
001	PLU 001	PLU0001	
002	PLU 002	PLU0002	
003	PLU 003	PLU0003	
004	PLU 004	PLU0004	
005	PLU 005	PLU0005	
006	PLU 006	PLU0006	
007	PLU 007	PLU0007	
008	PLU 008	PLU0008	
009	PLU 009	PLU0009	
010	PLU 010	PLU0010	
011	PLU 011	PLU0011	
012	PLU 012	PLU0012	
013	PLU 013	PLU0013	
014	PLU 014	PLU0014	
015	PLU 015	PLU0015	
016	PLU 016	PLU0016	
017	PLU 017	PLU0017	
018	PLU 018	PLU0018	
019	PLU 019	PLU0019	
020	PLU 020	PLU0020	
021	PLU 021	PLU0021	
022	PLU 022	PLU0022	
023	PLU 023	PLU0023	
024	PLU 024	PLU0024	
025	PLU 025	PLU0025	
026	PLU 026	PLU0026	
027	PLU 027	PLU0027	
028	PLU 028	PLU0028	
029	PLU 029	PLU0029	
030	PLU 030	PLU0030	
031	PLU 031	PLU0031	

Entering characters

In this section, the method to enter descriptors or messages (characters) to the cash register during programming is described.

Characters are specified by character keyboard or by codes. In the first half of this section, the usage of character keyboard is described. In the latter half, inputting method by character code is described.

Using character keyboard

Example:

Input " Â Ppple Juice ",
enter "DBL""A" "SHIFT""p" "p" "l" "e" "SPACE" "CAP""J" "SHIFT""u" "i" "c" "e" 00 .

① **Shift key**

Pressing this key shifts the character from the uppercase letter to lower case letter and returns to the upper-case letter in sequence.

② **Left cursor key**

Shifts the character setting position to the left one by one, and used to correct already entered characters.

③ **Right cursor key**

Shifts the character setting position to the right one by one, and used to correct already entered characters.

④ **Double size letter key**

Specifies that the next character you input to a double size character. You must press this key before each double size character.

⑤ **Space key**

Sets a space by depression.

⑥ **CAP key**

Shifts the character to the upper case letter.

⑦ **Alphabet keys**

Used input to characters.

⑧ **Numeric keys**

Used to enter program codes, memory number and character codes.
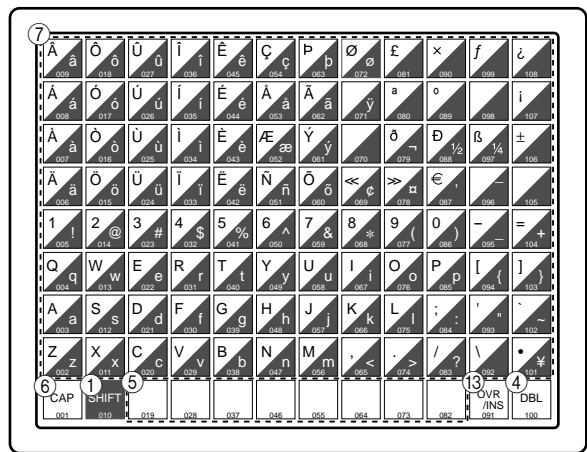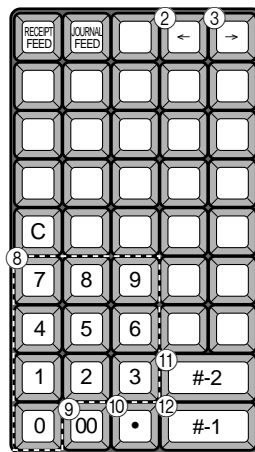
⑨ **Character fixed key**

Enter when the alphabetic entry for a descriptor, name or message has been completed.
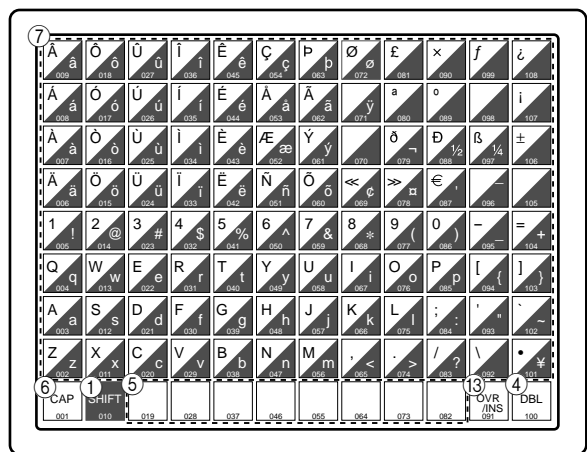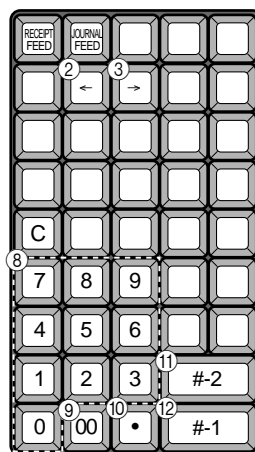
⑩ **Backspace/Character code fixed key**

Registers one character with code (2 or 3 digit).

Clears the last input character, much like a back space key. (Does not clear the double size letter key entry.)

For U.S. and German

For other area

⑪ **Program end key**

Terminates the character programming.

⑫ **Character enter key**

Registers the programmed characters.

⑬ **Insert/Override key**

Press this key to change the status "Insert" between the original characters or "Override" the original characters.

Advanced Operations

Advanced Operations

Entering characters by code

Every time you enter a character, choose character codes by the character code list (below) and press the ⟨·⟩ key to settle it. After you complete entering characters, press the ⟨00⟩ key to fix them.

Example:

Input " A p p l e J u i c e ",

enter " 255 ⟨·⟩ 65 ⟨·⟩ 112 ⟨·⟩ 112 ⟨·⟩ 108 ⟨·⟩ 101 ⟨·⟩ 32 ⟨·⟩ 74 ⟨·⟩ 117 ⟨·⟩ 105 ⟨·⟩ 99 ⟨·⟩ 101 ⟨·⟩ ⟨00⟩ "

Character code list

Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code
Space	32	0	48	@	64	P	80	'	96	p	112	Ç	128
!	33	1	49	A	65	Q	81	a	97	q	113	ü	129
"	34	2	50	B	66	R	82	b	98	r	114	é	130
#	35	3	51	C	67	S	83	c	99	s	115	â	131
$	36	4	52	D	68	T	84	d	100	t	116	ä	132
%	37	5	53	E	69	U	85	e	101	u	117	à	133
&	38	6	54	F	70	V	86	f	102	v	118	å	134
'	39	7	55	G	71	W	87	g	103	w	119	ç	135
(	40	8	56	H	72	X	88	h	104	x	120	ê	136
)	41	9	57	I	73	Y	89	i	105	y	121	ë	137
*	42	:	58	J	74	Z	90	j	106	z	122	è	138
+	43	;	59	K	75	[	91	k	107	{	123	ï	139
,	44	<	60	L	76	\	92	l	108	|	124	î	140
-	45	=	61	M	77	]	93	m	109	}	125	ì	141
.	46	>	62	N	78	^	94	n	110	~	126	Ä	142
/	47	?	63	O	79	_	95	o	111		127	Å	143

Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code
É	144	á	160	░	176	└	192	ð	208	Ó	224	-	240
æ	145	í	161	▒	177	┴	193	Đ	209	ß	225	±	241
Æ	146	ó	162	▓	178	┬	194	Ê	210	Ô	226	_	242
ô	147	ú	163	│	179	├	195	Ë	211	Ò	227	3/4	243
ö	148	ñ	164	┤	180	─	196	È	212	õ	228	¶	244
ò	149	Ñ	165	Á	181	┼	197	€	213	Õ	229	§	245
û	150	ª	166	Â	182	ã	198	Í	214	µ	230	÷	246
ù	151	º	167	À	183	Ã	199	Î	215	þ	231	¸	247
ÿ	152	¿	168	©	184	└	200	Ï	216	Þ	232	°	248
Ö	153	®	169	┤	185	┌	201	┘	217	Ú	233	¨	249
Ü	154	¬	170	│	186	┴	202	┌	218	Û	234	•	250
ø	155	1/2	171	┐	187	┬	203	▐	219	Ù	235	¹	251
£	156	1/4	172	┘	188	├	204	▄	220	ý	236	³	252
Ø	157	¡	173	¢	189	─	205	│	221	Ý	237	²	253
×	158	«	174	¥	190	┼	206	ì	222	¯	238	■	254
ƒ	159	»	175	¦	191	¤	207	▀	223	´	239	Double size	255

Editing characters

Correcting a character just entered

OPERATION		DISPLAY (dot)
"L" "E" "N" "O" "N"	⟵ Enter LENON, instead of LEMON.	LENON█ A
← ← ←	⟵ Press left arrow key three times.	LE**N**ON A
INS/OVR	⟵ Override mode	LE**N**ON ⁕ A
"M"	⟵ Enter "M".	LEM**O**N ⁕ A

"⁕" means "OVR" mode.

Correcting and adding a PLU descriptor already set

OPERATION		DISPLAY (dot)
00	⟵ Enter "00."	
1 5 PLU	⟵ Enter PLU No.	**l**emon A
"S" "o" "d" "a" " "	⟵ Enter "Soda" and "space".	Soda **l**emon a
INS/OVR	⟵ Override mode	Soda **l**emon ⁕ a
"L"	⟵ Enter "L".	Soda L**e**mon ⁕ A

Correcting a key descriptor already set

OPERATION		DISPLAY (dot)
00	⟵ Enter "00".	
1	⟵ Designate an appropriate key	**L**ENON A
→ →	⟵ Press right arrow key two times.	LE**N**ON A
"M"	⟵ Enter "M".	LEM**N**ON A
·	⟵ Delete "N".	LEM**O**N A

Correcting a message descriptor already set

OPERATION		DISPLAY (dot)
0 1 0 1 SUB/TOTAL	⟵ Enter record and file number.	GRASS█ A
→ →	⟵ Press right arrow key two times.	GR**A**SS A
"O"	⟵ Enter "O".	GRO**A**SS A
·	⟵ Delete "A".	GRO**S**S A

Advanced Operations

Printing read/reset reports

• Daily sales read report ("X1" mode)

You can print read reports at any time during the business day without affecting the data stored in the cash register's memory.

• Daily sales reset report ("Z1" mode)

You should print reset reports at the end of the business day.

Important!
- The reset operation issues a report and also clears all sales data from the cash register's memory.
- Be sure to perform the reset operations at the end of each business day. Otherwise, you will not be able to distinguish between the sales data for different dates.

To print the individual department, PLU/flat-PLU read report

This report shows sales for specific departments or PLUs/flat-PLUs.

OPERATION	REPORT

X1
Mode switch

- Specifying a department
  1, 2, 3 ~
- Specifying a PLU
  1 PLU ~
- Specifying a flat-PLU
  001, 002 ~

SUB TOTAL

```
X    03-06-2000(SAT) 19:00      — Mode/date/time
C01          MC#01    000532    — Clerk/Mc No./consecutive No.

X    INDIVIDUAL                 — Read symbol/report title

DEPT01               38         — Department Name/No. of items
   8.13%           ·257.53      — Sales ratio/amount
 OLD PRC            ·2.21        — Old price amount
 RED PRC            ·4.18        — Red price amount
 DISCOUNT           ·5.80        — Discount amount
PLU0001              17          — PLU Name/No. of items
   0.53%           ·17.00        — Sales ratio/PLU amount
 OLD PRC            ·0.00         — Old price amount
 RED PRC            ·2.18         — Red price amount
 DISCOUNT           ·2.50         — Discount amount
#000001                           — PLU random code
#000123              17
-------------------------------
TL                 88.61         — Total No. of items
                  ·516.10        — Total amount
 RED PRC            ·12.18        — Red amount total
 DISCOUNT           ·9.50         — Discount amount total
```

After you finish to select items, press SUB TOTAL to terminate.

To print the financial read report

This report shows gross sales, net sales, cash in drawer and check in drawer.

OPERATION	REPORT

X1
Mode switch

Money declaration [1]

• Main currency:
(Cash in drawer amount `#`, `#/NS` or `NS`)

• Sub currency:
(`EURO/PD` cash in drawer amount `#`, `#/NS` or `NS`)

`X/FOR DATE TIME` or `X/DATE TIME`

```
X    FLASH
               0000071

DECLA          ·6,919.04
                   ·0.00
EURO money      €187.67
                  −10.87

GRS              111.15
               ·7,054.14
NET         No     120
               ·7,263.20
CAID           ·6,919.04
CAID            €178.60

FSID             ·172.85
EBTTL              ·6.00
```

- Read symbol/report title
- Command code
- Declared cash in drawer of main currency [1]
- Difference (= declared - accumulated) [1]
- Declared cash in drawer of sub currency [1]
- Difference (= declared - accumulated) [1]
- Gross No. of items
- Gross amount
- Net No. of customers
- Net amount
- Cash in drawer of main currency
- Cash in drawer of sub currency
- Food stamp in drawer
- EBT in drawer

To print the individual clerk read/reset report

This report shows individual clerk totals.

OPERATION	REPORT

X1/Z1
(read/reset)
Mode switch

Money declaration [1]

• Main currency:
(Cash in drawer amount `#`, `#/NS` or `NS`)

• Sub currency:
(`EURO/PD` cash in drawer amount `#`, `#/NS` or `NS`)

`2` `0` `0` `1` `7` `CA/AMT/TEND`

`□` `□` `□` `□` `CA/AMT/TEND`
Enter the appricable clerk number.

`SUB TOTAL`

After you finish to select clerks, press `SUB TOTAL` to terminate.

```
Z    CASHIER       0001
               0020017

DECLA          ·6,919.04
                   ·0.00
EURO money      €187.67
                  −10.87

C01        ...............1
GROSS           421.25
               ·2,872.28
NET         No     111
               ·1,845.35
CAID           ·1,057.14
CHID             ·139.04
RF          No       1
                   ·1.00
CLEAR       No       5
                   ·4.43

C02        ...............1
```

- Read symbol/report title/reset counter
- Command code
- Declared cash in drawer of main currency [1]
- Difference (= declared - accumulated) [1]
- Declared cash in drawer of sub currency [1]
- Difference (= declared - accumulated) [1]
- Clerk name/drawer No.
- Gross total
- Net total
- Cash in drawer
- Refund mode
- Clear key count
- Clerk name/drawer No.

Advanced Operations

[1] Money declaration:
Count how much cash is in the drawer and input this amount (up to 10 digits).
The cash register will automatically compare the input with the cash in drawer in the memory and print the difference between these two amounts.
Note that if money declaration is required by programming, you cannot skip this procedure.

Advanced Operations

To print the daily sales read/reset report

This report shows sales except for PLUs.

OPERATION	REPORT

X1/Z1
(read/reset)
— Mode switch —

Money declaration *1

• Main currency:
  (Cash in drawer amount `#`, `#⁄NS` or `NS`)

• Sub currency:
  (`EURO⁄PD` cash in drawer amount `#`, `#⁄NS` or `NS`)

`CA⁄AMT⁄TEND`

```
----------------------------
Z    BATCH 01
----------------------------
Z    FIX             0001
                  0001011

DECLA            ·6,919.04
                    ·0.00
EURO money         €187.67
                   -10.87

GROSS             981.25
                 ·6,574.40
NET         No    111
                 ·7,057.14
CAID             ·6,919.04
CHID               ·139.04
CKID               ·859.85
CRID(1)            ·709.85
----------------------------
RF          No      3
                    ·10.22
CUST        CT    111
AVRG                ·63.57
DC                   ·1.22
REF                  ·2.42
CLEAR       No     85
ROUND                ·0.00
CANCEL      No      2
                    ·12.97
----------------------------
TA1              ·2,369.69
TX1                ·128.86
TA2              ·2,172.96
TX2                ·217.33
----------------------------
GT1     ·00000000125478.96
GT2     ·00000000346284.23
GT3     ·00000000123212.75
----------------------------
```

— Report title

— Fixed total report title/reset counter *4
— Report code

— Declared cash in drawer of main currency *1
— Difference (= declared - accumulated) *1
— Declared cash in drawer of sub currency *1
— Difference (= declared - accumulated) *1

— Gross total *3

— Net total *3

— Cash in drawer *3
— Charge in drawer *3
— Check in drawer *3
— Credit in drawer *3

— Refund mode *3

— Customer number *3
— Average sales per customer *3
— Discount total *3
— Refund key *3
— Clear key count *3
— Rounding total *3

— Cancellation *3

— Taxable 1 amount *3
— Tax 1 amount *3
— Taxable 2 amount *3
— Tax 2 amount *3

— Grand total 1 *3
— Grand total 2 *3
— Grand total 3 *3

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```
Z      TRANS              0001      ─ Function key report title/reset counter
                       0001012      ─ Report code
CASH        No          362
                    ·1,638.04       ─ Function key count/amount *2
CHARGE      No           56
                    ·1,174.85
RC          No            4
                      ·810.00
PD          No            5
                      ·520.00
                         ·  ·00
CORR        No           14
                       ·39.55
VLD         No           19
RCT         No            3
NS          No            5
────────────────────────────
Z      DEPT               0001      ─ Department report title/reset counter
                       0001015      ─ Report code

DEPT01                   38         ─ Department name/No. of items *2
   8.13%             ·257.53        ─ Sales ratio/amount *2
  OLD PRC              ·2.21        ─ Old price amount *2
  RED PRC              ·4.18        ─ Red price amount *2
  DISCOUNT             ·5.80        ─ Discount amount *2
DEPT02                  183
                    ·1,362.2
  RED PRC             ·23.21
  DISCOUNT            ·17.22
────────────────────────────
TL                    88.61         ── Total No. of items
                    ·1,916.10       ── Total amount
  RED PRC            ·12.18         ── Red amount total
  DISCOUNT            ·9.50         ── Discount amount total
────────────────────────────
Z      CASHIER            0001      ─ Clerk report title/reset counter
                       0001017      ─ Report code

C01            . . . . . . . . . . . . 1    ─ Clerk name/drawer No.
GROSS                 421.25
                    ·2,872.28       ── Gross total
NET         No          111
                    ·1,845.35       ── Net total
CAID                ·1,057.14       ── Cash in drawer
CHID                  ·139.04
RF          No            1
                       ·1.00        ── Refund mode
CLEAR       No            5
                       ·4.43        ── Clear key count

C02            . . . . . . . . . . . . 1    ─ Clerk name/drawer No.
```

[1] Money declaration:

Count how much cash is in the drawer and input this amount (up to 10 digits).

The cash register will automatically compare the input with the cash in drawer in the memory and print the difference between these two amounts.

Note that if money declaration is required by programming, you cannot skip this procedure.

[2] Zero totalled departments/functions (the amount and item numbers are both zero) are not printed.

[3] These items can be skipped by programming.

[4] The "✶" symbol is printed on the reset report, memory overflow occurred in the counter/totalizer.

Advanced Operations

Advanced Operations

To print the PLU/flat-PLU read/reset report

This report shows sales for PLUs.

OPERATION	REPORT

```
X      PLU                              Read symbol/report title
                      0000014           Report code

PLU0001              17                 PLU name/No. of items
      0.53%           ·17.00            Sales ratio/PLU amount
  OLD PRC             ·0.00             Old price amount
  RED PRC             ·2.18             Red price amount
  DISCOUNT            ·2.50             Discount amount
  #000001                               PLU random code
PLU0100              42
      4.03%           ·69.00
  OLD PRC             ·0.00
  RED PRC             ·5.18
  DISCOUNT            ·0.5
  #000100
--------------------------
TL                  188.61              Total No. of items
                     ·516.10            Total amount
  RED PRC            ·12.18             Red amount total
  DISCOUNT            ·9.50             Discount amount total
```

X1/Z1 (read/reset)
Mode switch

↓

0 1 4 CA/AMT TEND

To print the hourly sales read/reset report

This report shows hourly breakdowns of sales.

OPERATION	REPORT

```
X      HOURLY                           Read symbol/report title
                      0000019           Report code

00:00->01:00                            Time range
              CT       1                No. of customers
GROSS                 ·1.10             Gross sales amount
NET           No       1                No. of receipt
      1.90%           ·1.20             Sales ratio/net sales amount
23:00->00:00
              CT       1
GRO                   ·3.45
NET
      3.90%           ·3.59
--------------------------
TL            CT     280                Total No. of customers
GROSS               ·1,937.61          Gross total amount
NET           No      25                Total No. of receipt
                    ·2,096.80          Net total amount
```

X1/Z1 (read/reset)
Mode switch

↓

0 1 9 CA/AMT TEND

To print the monthly sales read/reset report

This report shows monthly breakdowns of sales.

OPERATION	REPORT

OPERATION

X1/Z1
(read/reset)
Mode switch

⬇

[0] [2] [0] [CA/AMT TEND]

REPORT

```
X    MONTHLY
                    0000020

  1......
GROSS              1236.76
                ·12,202.57
NET          No     214
                ·12,202.57
 31......
GROSS              2132
                ·14,187.57
NET          No     205
                ·13,398.76
----------------------------
TL
GROSS              9746.63
               ·161,022.49
                    ·16.52
NET          No    2351
               ·161,022.49
                    ·68.49
```

- Read symbol/report title
- Report code
- Date of a month
- Gross symbol/No. of items
- Gross sales amount
- Net symbol/No. of customers
- Net sales amount
- Total symbol
- Gross symbol/No. of items
- Gross sales amount
- Average daily gross sales
- Net symbol/No. of customers
- Net sales amount
- Average daily net sales

To print the group read/reset report

This report shows PLU/subdepartment/department group totals.

OPERATION

X1/Z1
(read/reset)
Mode switch

⬇

[0] [1] [6] [CA/AMT TEND]

REPORT

```
X    GROUP
                    0000016

GROUP01            203.25
    33.87%       ·1,108.54
GROUP02            183
    40.58%       ·1,327.80
GROUP03            12
                   ·13.25
GROUP99            13
    0.54%          ·17.80
----------------------------
TL                 862
                 ·3,272.00
```

- Read symbol/report title
- Report code
- Group No./No. of items
- Sales ratio/group amount
- Group total No. of items
- Group total amount

Advanced Operations

Advanced Operations

• Periodic sales read report ("X2" mode)

You can print read reports at any time during the business day without affecting the data stored in the cash register's memory.

• Periodic sales reset report ("Z2" mode)

You should print reset reports at the end of the business day.

To print the periodic 1/2 sales read/reset reports

These reports show sales breakdowns of sales by any two kinds of period you want.

OPERATION	REPORT

X2/Z2
(read/reset)
Mode switch

↓

`1` `CA/AMT TEND`

```
------------------------------
ZZ1  BATCH 02
------------------------------
ZZ1  FIX                  0001
                       0001111
GROSS                   981.25
                     ·6,574.40
NET           No          111
                     ·7,057.14
CAID                 ·6,919.04
CHID                   ·139.04
CKID                   ·859.85
CRID(1)                ·709.85
------------------------------
RF            No           3
                        ·10.22
CUST          CT          111
AVRG                    ·63.57
DC                      ·1.22
REF                     ·2.42
CLEAR         No           85
ROUND                   ·0.00
CANCEL        No           2
                       ·12.97
------------------------------
TA1                  ·2,369.69
TX1                    ·128.86
TA2                  ·2,172.96
TX2                    ·217.33
------------------------------
ZZ1  TRANS                0001
                       0001112
CASH          No          362
                     ·1,638.04
CHARGE        No           56
                     ·1,174.85
RC            No           4
                      ·810.00
PD            No           5
                       ·5.00
CORR          No          14
                       ·39.55
VLD           No           19
RCT           No           3
NS            No           5
------------------------------
```

Report title

Fixed total report title/reset counter
Report code

Gross total [2]

Net total [2]

Cash in drawer [2]
Charge in drawer [2]
Check in drawer [2]
Credit in drawer [2]

Refund mode [2]

Customer number [2]
Average sales per customer [2]
Discount total [2]
Refund key [2]
Clear key count [2]
Rounding total [2]
Cancellation [2]

Taxable 1 amount [2]
Tax 1 amount [2]
Taxable 2 amount [2]
Tax 2 amount [2]

Function key report title/reset counter
Report code

Function key count/amount [1]

```
ZZ1  DEPT              0001 ──── Department report title/reset counter
                  0001115 ──── Report code

DEPT01               38 ──── Department Name/No. of items *1
    8.13%          ·257.53 ──── Sales ratio/amount *1
  OLD PRC           ·2.21 ──── Old price amount *1
  RED PRC           ·4.18 ──── Red price amount *1
  DISCOUNT          ·5.80 ──── Discount amount *1
DEPT02              183
                ·1,362.26
  ···0 PRC          ·123.21
  DISCOUNT           ··.22
─────────────────────────────
TL                  88.61 ──── Total No. of items
                ·1,916.10 ──── Total amount
  RED PRC          ·12.18 ──── Red amount total
  DISCOUNT          ·9.50 ──── Discount amount total
─────────────────────────────
ZZ1  CASHIER          0001 ──── Clerk report title/reset counter
                  0001117 ──── Report code

C01          ...............1 ──── Clerk name/drawer No.
GROSS             421.25 ──── Gross total
                ·2,872.28
NET          No     111
                ·1,845.35 ──── Net total
CAID            ·1,057.14 ──── Cash in drawer
CHID             ·139.04
RF           No      1
                   ·1.00 ──── Refund mode
CLEAR        No      5
                   ·4.43 ──── Clear key count

C02          ...............1 ──── Clerk name/drawer No.
```

[1] Zero totalled departments/functions (the amount and item numbers are both zero) are not printed.

[2] These items can be skipped by programming.

Advanced Operations

Advanced Operations

To print other sales read/reset reports

The following reports can be issued.

Procedure

X1/Z1 X2/Z2 (read/reset) Mode switch ➡ Money declaration (if necessary) ➡ ☐☐ ~ ☐☐ [CA/AMT/TEND] Command code
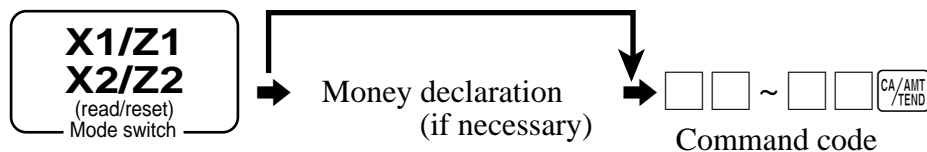
Report/command code list

Report name	Command code Read #=0/Reset # = 1			Report name	Command code Read #=0/Reset # = 1		
	Daily	Periodic 1	Periodic 2		Daily	Periodic 1	Periodic 2
Fix totalizer	11	#111	#211	Department	15	#115	#215
Transaction key	12	#112	#212	best 50 (amount order)	60015	60115	60215
Subdepartment	13	#113	#213	best 50 (quantity order)	70015	70115	70215
PLU by record number (all) *	14	#114	#214	Group	16	#116	#216
all PLU by random code *	14	#114	#214	Clerk	17	#117	#217
by group	1000014	100#114	100#214	individual	2017	2#117	2#217
by department	2000014	200#114	200#214	Hourly sales	19	#119	#219
by subdepartment	3000014	300#114	300#214	Monthly sales	20	#120	#220
individual by group	1020014	102#114	102#214	Open check	25	-----	-----
individual by department	2020014	202#114	202#214	total	40025	-----	-----
individual by subdepartment	3020014	302#114	302#214	Scanning PLU by range department (all)	26	-----	-----
range by record number *	10014	1#114	1#214	by range group	1000026	-----	-----
range by random code *	10014	1#114	1#214	by range department	2000026	-----	-----
best 50 (amount order)	60014	60114	60214	by range subdepartment	3000026	-----	-----
best 50 (quantity order)	70014	70114	70214	best 50 by range department	80026	-----	-----
menu (1st)	81	#181	#281	inactive item by range department	90026	-----	-----
menu (2nd)	82	#182	#282	Not found PLU by range department (all)	27	-----	-----
menu (3rd)	83	#183	#283	Table analysis	28	#128	#228
menu (4th)	84	#184	#284	Hourly item	31	#131	#231
menu (5th)	85	#185	#285	Mix & match	61	#161	#261
menu (6th)	86	#186	#286	Financial	71	-----	-----
PLU stock all PLU by record number *	64	-----	-----	Individual (item/transaction key)	No code	-----	-----
all PLU by random code *	64	-----	-----	PLU reset (no report)	50014	51114	51214
by group	1000064	-----	-----	Scanning PLU reset (no report)	50026	-----	-----
by department	2000064	-----	-----	Not found PLU reset (no report)	50027	-----	-----
by subdepartment	3000064	-----	-----	Not found PLU file reset (incl. program)	80027	-----	-----
individual by group	1020064	-----	-----	Not found PLU maintenance file reset	80082	-----	-----
individual by department	2020064	-----	-----				
individual by subdepartment	3020064	-----	-----				
range by record number *	10064	-----	-----				
range by random code *	10064	-----	-----				

* You can choose by record number/by random code by program.

Reading the cash register's program

To print unit price/rate program (except PLU/scanning PLU)

OPERATION	REPORT

PGM

Mode switch

⬇

`1` [SUB TOTAL]

⬇

[SUB TOTAL]

```
P01.........................  ─── Program read symbol

CHECK                @1.00    ─── Transaction key unit price or rate
CASH               @100.00
–                    @1.00
%                      10%

DEPT01              0001-05   ─── Department descriptor/rec-#/file-#
          1.2        @1.00    ─── Unit quantity/unit price
DEPT02              0002-05
          1          @2.00
```

Advanced Operations
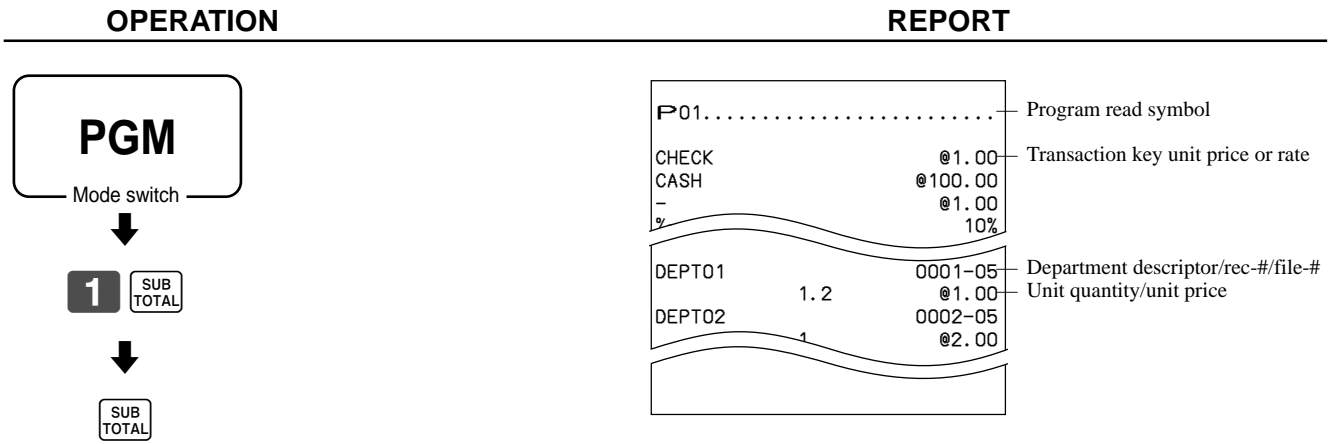
Advanced Operations

To print key descriptor, name, message program (except PLU)

OPERATION	REPORT

PGM
Mode switch

↓

2 | SUB TOTAL |

↓

| SUB TOTAL |

P02........................ — Program read symbol

GROSS	0001-01	
NET	0002-01	
CAID	0003-01	Fix total character
CA~~	0004-01	
~~	000~~	

CASH	0001-02	
CHARGE	0002-02	Transaction key character
CHE~~	0003-02	
~~	000~	

SUBDEPTO1	0001-03	
SUBDEPTO2	0002-03	Subdepartment character
SU~~	0003-03	
~~	000~	

DEPTO1	0001-05	
DEPTO2	0002-05	Department character
DE~~	0003-05	
~~	000~	

GROUPO1	0001-06	
GROUPO2	0002-06	Group character
GR~~	0003-06	
~~	000~	

C01	0001-07	
C02	0002-07	Clerk character
C~~	0003-07	
~~	000~	

TBLO1	0001-18	
TBLO2	0002-18	Table character
TBL~~	0003-18	
~~	000~	

GT1	0001-20	
GT2	0002-20	
GT3	0003-20	

· @No/ ** €	0001-23	
NoCT @LB *QT	0002-23	Special character
X BUSY	0003-23	

FIX	0001-24	
TRANS	0002-24	Report header character
PLU	0003-24	
~~	000~	

BATCH 01	0001-29	
BATCH 02	0002-29	Batch X/Z character
BATCH 0~	0003-29	
~~	0004-2~	

0001-32		
YOUR RECEIPT		
0002-32		Receipt message
THANK YOU		

0001-33		
ENDORSE MESSAGE********		Check endorsement message
**********		
0002-33		
~~MESSAGE**********		

0001-34		
SLIP MESSAGE**********		Slip/external printer message
**********		
0002-34		
~~*************		

0001-39		
CHARACTER RECALL*************		Recall character
**********		
000~~		
~~**********		

ORDERO1	0001-65	
ORDERO2	0002-65	Order character
OR~~	0003-65	
~~	000~	

MC#01	0001-91	
MC#02	0002-91	Terminal connection table character
MC#~~	0003-91	

0001-96		
AT COMMAND******************		
***************************		AT command
****		
0002-96		
ATA ATI4		

| PASSWORD | 0001-97 | Online password |

To print the PLU/flat-PLU program

OPERATION	REPORT

OPERATION

```
      PGM
   ─ Mode switch ─
```

↓

```
6  [SUB/TOTAL]
```

↓

```
1  0  4  [SUB/TOTAL]  (PLU unit price read)
```

```
3  0  4  [SUB/TOTAL]  (PLU program read)
```

↓

☐☐☐☐☐☐ PLU start No.

→ If skipped, starts from PLU1.

↓

```
[CA/AMT TEND]
```

↓

☐☐☐☐☐☐ PLU end No.

→ If skipped, ends the last PLU.

↓

```
[CA/AMT TEND]
```

↓

```
[CA/AMT TEND]
```
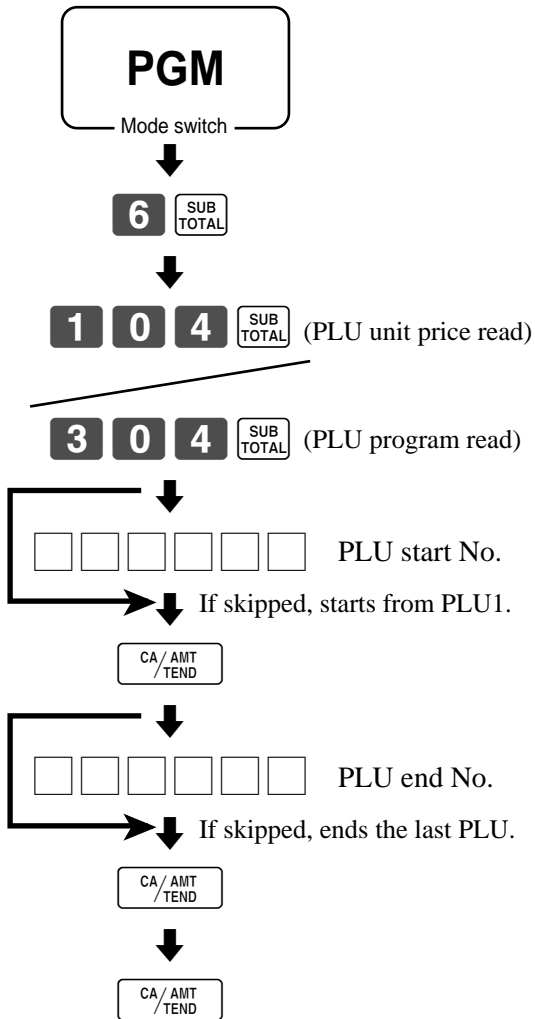
REPORT

```
P01.........................  — Program read symbol

   #000001 - #999999          — Read range
PLU0001              0001-04   — Item character/rec-#/file-#
                     #000001   — Random code
          1.2          @1.00   — Unit quantity/unit price
PLU0002              0002-04
                     #000002
          1            @2.00
```

```
P03.........................  — Program read symbol

   #000001 - #999999          — Read range
PLU0001              0001-04   — Item character/rec-#/file-#
            00000000000000000  — Batch program 01 ~ 1066, 18 ~ 1966
 11-66               000000    — Batch program 1166
 12-66               #000001   — Batch program 1266
 13-66       <-      0001-28   — Batch program 1366
 14-66                    0    — Batch program 1466
 15-66            @1234.56     — Batch program 1566
 16-66               000000    — Batch program 1666
 17-66                   00    — Batch program 1766
PLU0002              0002-04
            0000000000000
 11-66               000000
```

Advanced Operations

Troubleshooting

This section describes what to do when you have problems with operation.

When an error occurs

Errors are indicated by an error codes. When this happens, you can usually find out what the problem is as illustrated below.

Press $\boxed{C}$ and check the appropriate section of this manual for the operation you want to perform.

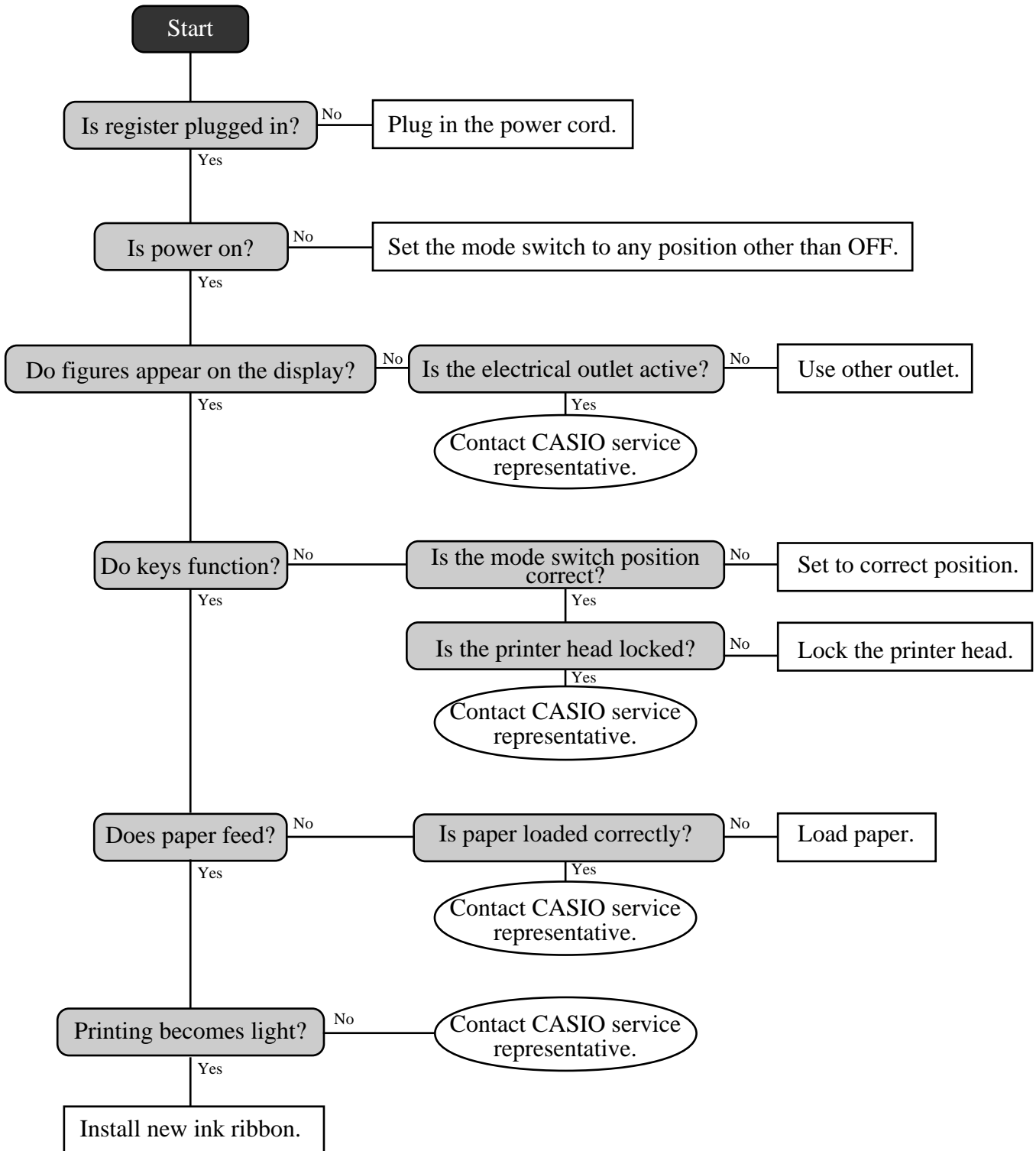| Error code	Message	Meaning	Action
E001	Wrong mode	Mode switch position changed before finalization.	Return the mode switch to its original setting and finalize the operation.
E003	Wrong operator	Clerk button pressed before finalization of a registration being performed under another clerk button. The signed on clerk differs from the clerk performed the tracking check registration.	Press the original clerk button and finalize the transaction before pressing another clerk button. Input correct check number or assign the proper clerk number.
E004	Error INIT/FC	Initialization or unit lock clear operation in progress.	Complete operation.
E005	Insufficient memory	Memory allocation exceeds total memory capacity.	Reallocate memory or expand memory (if possible).
E008	Please sign on	Registration without entering a clerk number.	Enter a clerk number.
E009	Enter password	Operation without entering the password.	Enter password.
E010	Close the drawer	The drawer is left open longer than the program time (drawer open alarm).	Close the drawer.
E011	Close the drawer	Attempt to register while the cash drawer is open.	Shut the cash drawer.
E013	Journal paper near end	Journal paper near end. (option)	Replace the journal paper.
E015	Check R/J printer	Printer error: Paper jam Printer head is released.	Remove jammed paper. Lock the printer head.
E016	Change back to REG mode	Two consecutive transactions attempted in the refund mode.	Switch to another mode and then back to the RF mode for the next transaction.
E017	Enter CHK/TBL number	Attempt made to register an item without inputting a check number.	Input a check number.
E018	Enter Table number	Attempt made to register an item without inputting a table number.	Input a table number.
E019	Enter number of customers	Finalize operation attemped without entering the number of customer.	Enter the number of customer.
E021	No Dept Link	No department linked PLU is registered.	Correct the program.
E022	Not found PLU	PLU code is not found in the scanning PLU file.	Perform department registration.
E023	Stock shortage	Actual stock quantity becomes less than the minimum stock quantity.	Perform stock maintenance.
E024	No stock	Actual stock quantity becomes/is negative.	Perform stock maintenance.
E025	Illegal scale read or entry	Scale read error/perform non-scale registration to scalable item.	Retry registration/register to a proper department or PLU.
E026	Enter condiment/preparation PLU	No condiment/preparation PLU is registered.	Register condiment/preparation PLU.
E029	In the tender operation	Item registration is prohibited, while partial tender.	Finalize the transaction.
E030	Press RATE TAX key	Finalization of a transaction attempted without registering rate-tax.	Register <RATE TAX>.
E031	Press ST key	Finalization of a transaction attempted without confirming the subtotal.	Press <SUBTOTAL>.
E032	Press FSST key	Finalization of a transaction attmempted without confirming of the food stamp subtotal.	Press <FS/ST>.
E033	Enter tender amount	Finalize operation attempted without entering amount tender.	Enter the amount tendered.
E035	Change amount exceeds limit	Change amount exceeds preset limit.	Input amount tendered again.
E036	Remove money from the drawer	Contents of the drawer exceed programmed limit.	Perform pick up operation.
E037	Digit or amount limitation over	High amount lock out/low digit lock out error	Enter correct amount.
E038	Perform money declaration	Read/reset operation without declaring cash in drawer. This error appears only when this function is activated.	Perform money declaration.
E040	Issue guest receipt	Attempt to register a new transaction without issuing a guest receipt.	Issue a guest receipt.
E041	Print validation	Attempt to register a new transaction without validation.	Perform validation operation.
E042	Insert VLD paper and retry	Validation paper (slip printer) has run out. No validation paper (slip printer) is inserted.	Insert new validation paper.
E044	Print cheque	Attempt to register a new transaction without printing check.	Perform check print.
E045	Print Cheque Endorsement	Attempt to register a new transaction without printing check endorsement.	Perform check endorsement.
E046	REG buffer full	Registration buffer full. Separate check buffer full.	Finalize the transaction. Allocate sufficient separate check buffer.
E047	Print bill	Attempt to register a new transaction without printing slip.	Perform slip printing operation.
E048	Insert slip paper and retry	No paper is inserted or paper is out in the slip printer.	Insert new slip paper.

Error code	Message	Meaning	Action
E049	CHECK memory full	Check tracking index memory full.	Finalize and close the check number currently used.
E050	DETAIL memory full	Check tracking detail memory full.	Finalize and close the check number currently used.
E051	CHK/TBL No. is occupied	Attempt to made use <NEW CHECK> to open a new check using a number that is already used for an existing check in check tracking memory.	Finalize and close the check that is currently under the number that you want to use or use a different check number.
E053	CHK/TBL No. is not opened	Attempt made to use <OLD CHECK> reopen a new check using a number that is not used for an existing check in check tracking memory.	Use the correct check number (if you want to reopen a check that already exists in check tracking memory) or use <NEW CHECK> to open a new check.
E054	Out of CHK/TBL No. range	Check number range over.	Enter correct number.
E055	In the SEP CHK operation	Normal registration is prohibited during separate check operation.	Terminate separate check operation.
E059	Press EAT-IN or TAKE-OUT key	Attempt to finalize a transaction without specifying <EAT-IN> or <TAKE-OUT>.	Press <EAT-IN> or <TAKE-OUT>.
E060	Printer offline	External printer offline	
E061	Printer error	External printer went down.	
E062	Printer paper end	External printer paper end	Replace new paper.
E063	Printer busy	External printer is now printing.	
E064	Print buffer full	Printing buffer full	
E066	Print from the beginning of the transaction	Attempt to print the last separated transaction on slip.	Print from the beginning of the transaction
E075	Negative balance cannot be finalized	Attempt to finalize a transaction when balance is less than or equal to zero.	Register item(s) until the balance becomes positive amount.
E085	Data exist in consolidation file	Data exists in the consolidation file.	Clear the data.
E099	Check NFP items	Disable to read/reset or consolidate the not found PLU item.	
E100	Operate at master terminal	Prohibit master operation.	Perform it at master terminal.
E101	PLU maintenance file full. Press <#2> to exit	Scanning PLU direct maintenance/batch maintenance file becomes full.	Terminate the maintenance.
E102	NFP maintenance file full. Press <#2> to exit	Not found PLU maintenance file becomes full.	Terminate the maintenance
E105	PLU file full	Scanning PLU/not found PLU file full	
E106	Item exists in the PLU file	The designated item has already existed in the scanning PLU file.	Modify the designated item.
E121	Inline startup error	Network startup error.	
E139	Negative balance is not allowed	Attempt to register <–> or <CPN> when the balance becomes negative.	Enter proper minus/coupon amount.
E140	Wrong menu	This sheet holder is prohibited by PGM.	Set correct sheet holder.
E146	Arrangement file full	Arrangement file is full.	Set the arrangement properly.
E200	Insert RAC-9	No memory cassette is set.	Set memory cassette.
E202	File not found	Can not read, because no designated file is in the memory cassette or internal flash memory.	Check the operation and retry.
E203	Insufficient memory	Insufficient memory in the memory cassette or internal flash memory.	Use a vacant (formatted) memory cassette.
E204	Check the write protect switch	Write protect switch of the memory cassette is on.	Check the write protect switch.
E205	File already exist.	Can not write, because designated file has already been in the memory cassette or internal flash memory.	Check the operation and retry.

When the register does not operate at all

Perform the following check whenever the cash register enter an error condition as soon as you switch it on. The results of this check are required by service personnel, so be sure to perform this check before you contact a CASIO representative for servicing.

```
                    ┌───────────┐
                    │   Start   │
                    └───────────┘
                          │
        Is register plugged in? ──No── Plug in the power cord.
                          │ Yes
                          │
        Is power on? ──No── Set the mode switch to any position other than OFF.
                          │ Yes
                          │
  Do figures appear on the display? ──No── Is the electrical outlet active? ──No── Use other outlet.
                          │ Yes                      │ Yes
                          │              Contact CASIO service representative.
                          │
        Do keys function? ──No── Is the mode switch position correct? ──No── Set to correct position.
                          │ Yes                      │ Yes
                          │              Is the printer head locked? ──No── Lock the printer head.
                          │                          │ Yes
                          │              Contact CASIO service representative.
                          │
        Does paper feed? ──No── Is paper loaded correctly? ──No── Load paper.
                          │ Yes                      │ Yes
                          │              Contact CASIO service representative.
                          │
        Printing becomes light? ──No── Contact CASIO service representative.
                          │ Yes
                          │
              Install new ink ribbon.
```

Troubleshooting

Clearing a machine lock up

If you make a mistake in operation, the cash register may lock up to avoid damage to programs and preset data. Should it happens, you can use the following procedure to clear the lock up without losing any data.

1 Power off the register.
2 Insert the PGM key in the mode switch.
3 Press down [RECEIPT FEED], and turn the mode switch to PGM mode.
4 The display shows ten Fs, then release [RECEIPT FEED].
5 Press [SUB TOTAL]. The display shows ten Fs and issue a receipt.

Important!

• If the register does not show ten Fs, never press [SUB TOTAL] and call service representative.

In case of power failure

If the power supply to the cash register is cut by a power failure or any other reason, simply wait for power to be restored. The details of any on-going transaction as well as all sales data in memory are protected by the memory backup batteries.

• Power failure during a registration
  The subtotal for items registered up to the power failure is retained in memory. You will be able to continue with the registration when power is restored.
• Power failure during printing a read/reset report
  The data already printed before the power failure is retained in memory. You will be able to issue a report when power is restored.
• Power failure during printing of a receipt and the journal
  Printing will resume after power is restored. A line that was being printed when the power failure occurred is printed in full.
• Other
  The power failure symbol is printed and any item that was being printed when the power failure occurred is reprinted in full.

The memory protection battery is constantly charging and discharging as you switch the cash register on and off during normal operations. This causes the capacity of the battery to decrease after approximately five years of use.

Important !

• Remember… a weak battery has the potential of losing valuable transaction data.
• A label on the back of the cash register shows the normal service period of the battery installed in your cash register.
• Have the battery replaced by your dealer within the period noted on this label.

Troubleshooting

To replace journal paper
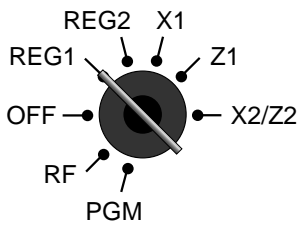
① Set the mode switch to the REG1 position and remove the printer cover.

② Press [JOURNAL FEED] to feed about 20 cm of paper.

③ Cut the journal paper at the point where nothing is printed.

④ Remove the journal take-up reel from its holder.
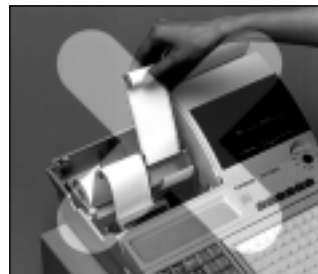
⑤ Slide the printed journal from the take-up reel.

⑥ Cut the journal paper as shown in the photograph.

⑦ Press [JOURNAL FEED] to feed the remaining paper from the printer.

⑧ Do not pull the paper out of the printer by hand. It can damage the printer.

⑨ Remove the old paper roll from the cash register.

⑩ Load new paper as described on page 10 of this manual.

To replace receipt paper

Follow step ① under "To replace journal paper" on the previous page.

② Cut the receipt paper as shown in the photograph.

③ Press RECEIPT FEED to feed the remaining paper from the printer.

④ Do not pull the paper out of the printer by hand. It can damage the printer.

⑤ Remove the old paper roll from the cash register.

⑥ Load new paper as described on page 11 of this manual.

Options

Wetproof cover:	WT-79	Slip printer:	SP-1300
Memory chip:	RAM-610-10LL	Cable:	PRT-CB-8C
Memory cassette:	RAC-9	External printer:	UP-350, UP-250
Hand held scanner:	HHS-15	Cable:	PRT-CB-8A or PRT-CB-8B
		Power supply:	PS-170 and AC-170

Consult with your CASIO dealer for details.

Specifications

Input method
    Entry: 10-key system, buffer memory 8 keys (2-key roll over)
    Department: Full key system

Display

    Amount 10 digits (zero suppression); No. of repeats, total, change, receipt on/off, transaction indicator
    Descriptor 16 digits × 2 lines; item descriptor, No. of items, mode, clerk name

Printer
    Receipt: Dot matrix alpha-numeric system 31 digits, receipt on/off switch (key)
                   Store name or slogan is printed automatically
    Journal: Dot matrix alpha-numeric system 31 digits
                   Automatic take up roll winding
                   Journal paper near end sensor (option)
    Paper roll: 58 (W) × 83 (D) mm
    Paper feed: Separate for receipt and journal
    Print speed: About 15 l/s

Listing capacity
    Amount: 99999999
    Quantity: 9999.999
    Tendered amount: 9999999999
    Percent: 99.99
    Tax rate: 9999.9999
    Numbers: 9999999999999999

Chronological data
    Date print: Automatic date printout on receipt or journal, automatic calendar
    Time print: Automatic time printout on receipt or journal, 24-hour system/12-hour system

Alarm

    Key catch tone, error alarm, sentinel alarm

Memory protection battery

    48-hour full charge protects memories for approximately 90 days.
    Battery should be replaced every five years.

Power supply/power consumption
    See the rating plate.

Operation temperature
    0˚C ~ 40˚C (32˚F ~ 104˚F)

Humiditiy

    10 ~ 90%

Demensions and weight

    454mm (H) × 345mm (W) × 218mm (D) /6.5kg
    $17_{7/8}$" (H) × $13_{9/16}$" (W) × $8_{9/16}$" (D)/14lbs. 5oz.
    …without drawer

Totalizers		Contents				
Category	No. of totalizers	Amount (10 digits)	No. of items (6 integer/ 3 decimal)	Count (4 digits)	No. of customers (6 digits)	Periodic totalizers
Department	Up to 10	✔	✔			✔
PLU	Up to 216	✔	✔			
Clerk	15	✔	✔	✔		✔
Hourly sales	24	✔			✔	
Monthly sales	31	✔	✔		✔	
Transaction	Variable with program	Variable with program				✔
Non ressettable grand total	3	✔ (16 digits)				
Reset counter	12/15			✔		
Consecutive No.	1			✔ (6 digits)		

* Specifications and design are subject to change without notice.

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MEMO

CASIO