ELECTRONIC CASH REGISTER
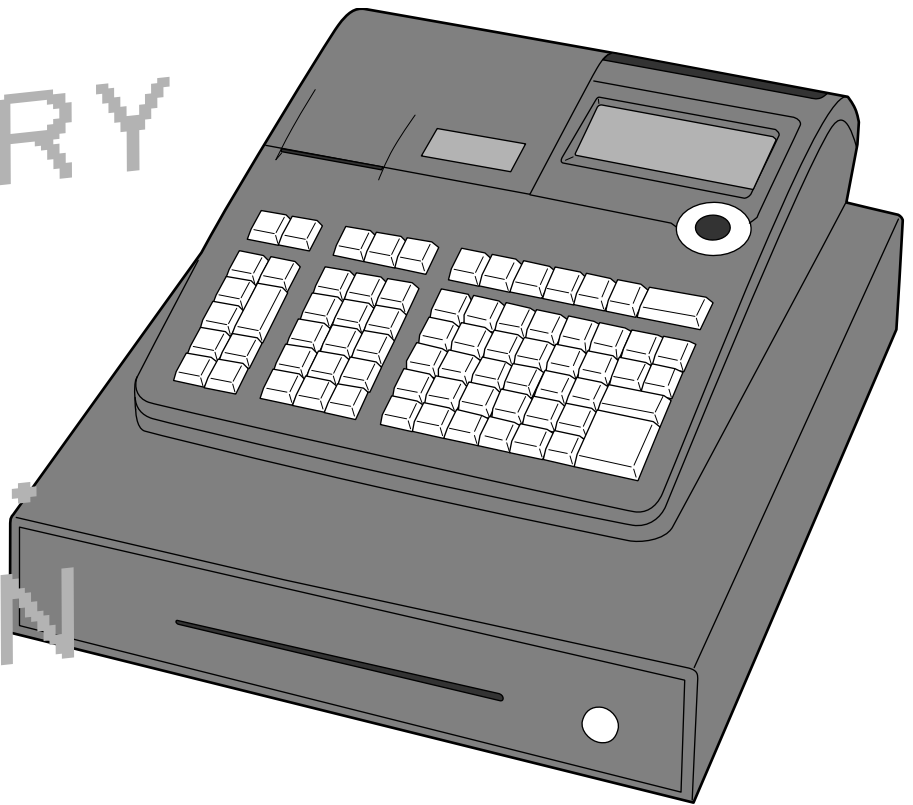# PCR-T2100

THANK YOU
YOUR RECEIPT
CALL AGAIN !

GROCERY
DAIRY
H.B.A.
FROZEN
FOOD
DELICATESSEN

USER'S MANUAL

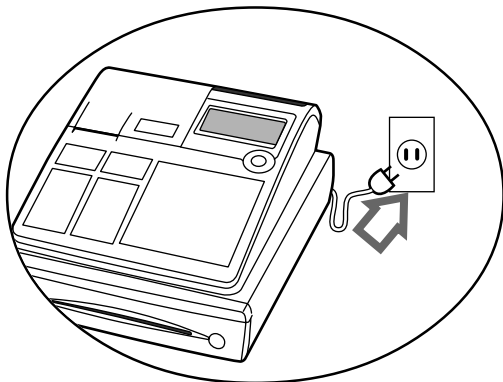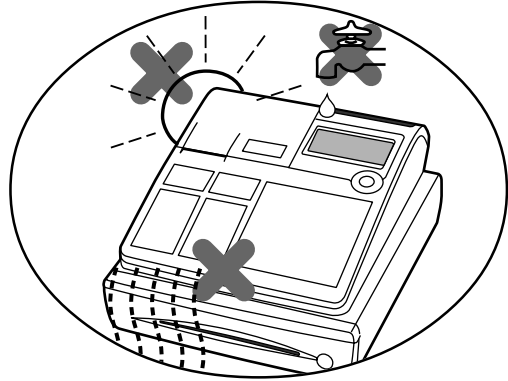CASIO.

# Introduction & Contents

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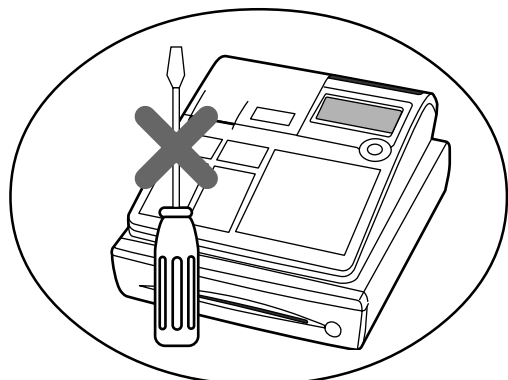
Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in the area.
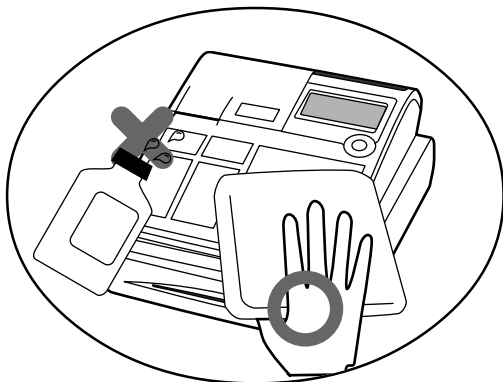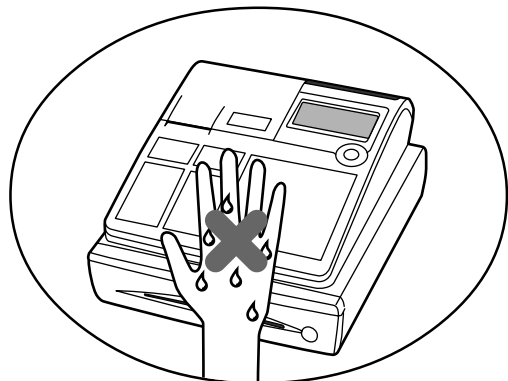
Use a soft, dry cloth to clean the exterior of the cash register. Never use benzene, thinner, or any other volatile agent.

Welcome to CASIO Cash Register!

Congratulations upon your selection of a CASIO Electronic Cash Register, which is designed to provide years of reliable operation.

Operation of a CASIO cash register is simple enough to be mastered without special training. Everything you need to know is included in this manual, so keep it on hand for reference.

Consult your CASIO dealer if you have any questions about points not specifically covered in this manual.

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.

Please keep all information for future reference.

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.

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Introduction & Contents

Safety Precautions

- To use this product safely and correctly, read this manual thoroughly and operate as instructed.
  After reading this guide, keep it close at hand for easy reference.
  Please keep all informations for future reference.
- Always observe the warnings and cautions indicated on the product.

About the icons

In this guide various icons are used to highlight safe operation of this product and to prevent injury to the operator and other personnel and also to prevent damage to property and this product. The icons and definitions are given below.

⚠ Indicates that there is a risk of severe injury or death if used incorrectly.

⚠ Indicates that injury or damage may result if used incorrectly.

Icon examples

To bring attention to risks and possible damage, the following types of icons are used.

The △ symbol indicates that it includes some symbol for attracting attention (including warning). In this triangle the actual type of precautions to be taken (electric shock, in this case) is indicated.

The ⊘ symbol indicates a prohibited action. In this symbol the actual type of prohibited actions (disassembly, in this case) will be indicated.

The ● symbol indicates a restriction. In this symbol the type of actual restriction (removal of the power plug from an outlet, in this case) is indicated.

⚠ Warning!

Handling the register

Should the register malfunction, start to emit smoke or a strange odor, or otherwise behave abnormally, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of fire and electric shock.
- Contact CASIO service representative.

Do not place containers of liquids near the register and do not allow any foreign matter to get into it. Should water or other foreign matter get into the register, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of shorting, fire and electric shock.
- Contact CASIO service representative.

Should you drop the register and damage it, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of shorting, fire and electric shock.
- Attempting to repair the register yourself is extremely dangerous. Contact CASIO service representative.

Never try to take the register apart or modify it in any way. High-voltage components inside the register create the danger of fire and electric shock.
- Contact CASIO service representative for all repair and maintenance.

⚠ Warning!

Power plug and AC outlet

Use only a proper AC electric outlet (100V~240V) . Use of an outlet with a different voltage from the rating creates the danger of malfunction, fire, and electric shock. Overloading an electric outlet creates the danger of overheating and fire.

Make sure the power plug is inserted as far as it will go. Loose plugs create the danger of electric shock, overheating, and fire.
• Do not use the register if the plug is damaged. Never connect to a power outlet that is loose.

Use a dry cloth to periodically wipe off any dust built up on the prongs of the plug. Humidity can cause poor insulation and create the danger of electric shock and fire if dust stays on the prongs.
Never use detergent to clean the power cord, especially the plug and jack.

Do not allow the power cord or plug to become damaged, and never try to modify them in any way. Continued use of a damaged power cord can cause deterioration of the insulation, exposure of internal wiring, and shorting, which creates the danger of electric shock and fire.
• Contact CASIO service representative whenever the power cord or plug requires repair or maintenance.

⚠ Caution!

Do not place the register on an unstable or uneven surface. Doing so can cause the register — especially when the drawer is open — to fall, creating the danger of malfunction, fire, and electric shock.

Do not place the register in the following areas.
• Areas where the register will be subject to large amounts of humidity or dust, or directly exposed to hot or cold air.
• Areas exposed to direct sunlight, in a close motor vehicle, or any other area subject to very high temperatures.

The above conditions can cause malfunction, which creates the danger of fire.

Do not overlay bend the power cord, do not allow it to be caught between desks or other furniture, and never place heavy objects on top of the power cord. Doing so can cause shorting or breaking of the power cord, creating the danger of fire and electric shock.

Be sure to grasp the plug when unplugging the power cord from the wall outlet. Pulling on the cord can damage it, break the wiring, or cause short, creating the danger of fire and electric shock.

Never touch the plug while your hands are wet. Doing so creates the danger of electric shock. Pulling on the cord can damage it, break the wiring, or cause short, creating the danger of fire and electric shock.

Never touch the printer head, platen and cutter.

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Introduction & Contents

Getting Started

This chapter shows how to setup the cash register and get it ready to operate. Please read this chapter even if you have used a cash register before.

1. Load the memory protection batteris and Paper rolls

Load the two memory protection batteries
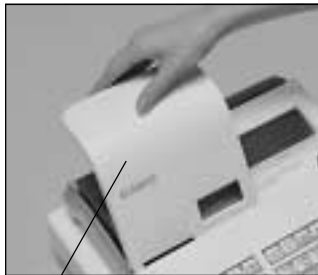
1. Remove the printer cover and open the platen arm (receipt side).

printer cover

platen arm
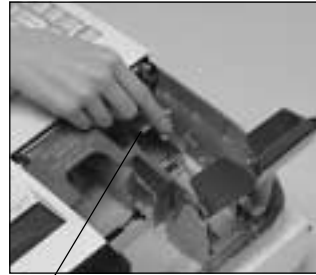
2. Remove the battery compartment cover.

battery compartment cover

3. Note the (+) and (–) markings in the battery compartment. Load a set of two new alkaline batteries so that their positive (+) and negative (–) ends are facing as indicated by the markings.

No battery is included in the accessories.

4. Replace the battery compartment cover.

5. Close the platen arm and replace the printer cover.

Important!

These batteries protect information stored in your cash register's memory when there is a power failure or when you unplug the cash register. Be sure to install these batteries.

WARNING!

• Never try to recharge the batteries supplied with the unit.
• Do not expose batteries to direct heat, let them become shorted or try to take them apart.

Keep batteries out of the reach of small children. If your child should swallow a battery, consult a physician immediately.

2. Install receipt / journal paper.

Platen arm
Platen
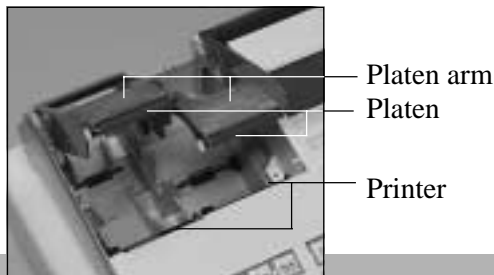
Printer

Important!

Take away the head protection sheet from the printer and close the platen arm.

Caution! (in handling the thermal paper)

• Never touch the printer head and the platen.
• Unpack the thermal paper just before your use.
• Avoid heat/direct sunlight.
• Avoid dusty and humid places for storage.
• Do not scratch the paper.
• Do not keep the printed paper under the following circumstances:
  High humidity and temperature/direct sunlight/contact with glue, thinner or a rubber eraser.

To install receipt paper

Step 1

Remove the printer cover.

Step 2

Open the platen arm.

Step 3

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

Step 4

Put the leading end of the paper over the printer.

Step 5

Close the platen arm slowly until it locks steadily.

Complete

Replace the printer cover, passing the leading end of the paper through the cutter slot. Tear off the excess paper.

Getting Started

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To install journal paper

Step 1

Remove the printer cover.

Step 2

Open the platen arm.

Step 3

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

Step 4

Put the leading end of the paper over the printer.

Step 5

Close the platen arm slowly until it locks steadily.

Step 6

Remove the paper guide of the take-up reel.

Step 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.

Step 8

Replace the paper guide of the take-up reel.

Step 9

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

Step 10

Press the [JOURNAL FEED] key to take up any slack in the paper.

During machine installation, press the [JOURNAL FEED] key after power on.

Complete

Replace the printer cover.

3. Plug the cash register into a wall outlet.
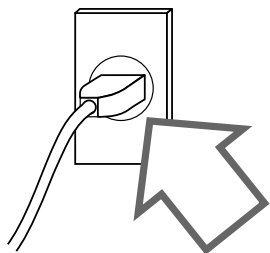
Be sure to check the sticker (rating plate) on the side of the cash register to make sure that its voltage matches that of the power supply in your area.

4. Insert the mode key marked "PGM" into the mode switch.
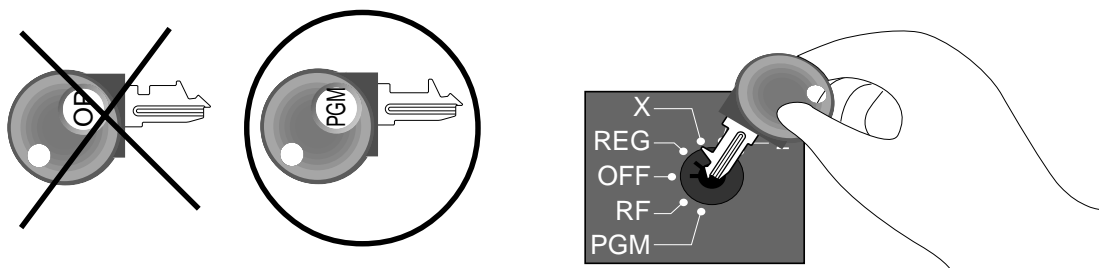
5. Turn the mode switch to the "PGM" position.

```
P 01

                              0.00
RPT          T1  T2  T3  T4  TOTAL CHANGE
              AMOUNT
```
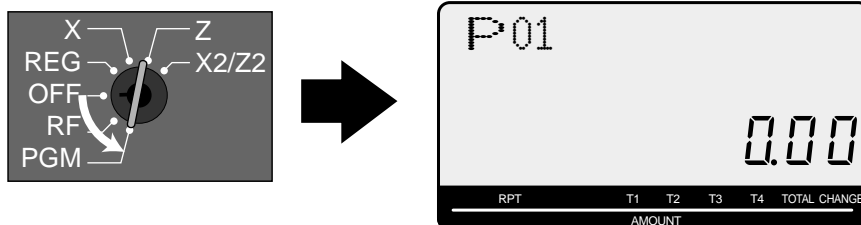
When the display shows "Low battery", load memory protection batteries (refer to page 10).

6. Set the date.

1. Enter current date in year - month - day order, and press the <X/FOR>
   Example: June 15, 2008 ⇨ **0** **8** **0** **6** **1** **5** [X/FOR DATE TIME]
2. Press <C> key.
   Example: [C]

7. Set the time.

1. Enter current time in 24 hour system, and press the <X/FOR>
   Example: 08:30 AM ⇨ **0** **8** **3** **0** [X/FOR DATE TIME]   (9:45 PM ⇨ **2** **1** **4** **5** [X/FOR DATE TIME])
2. Press <C> key.
   Example: [C]

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8. Tax table programming

Programming automatic tax calculation

Important!

After you program the tax calculations, you also have to individually specify which departments (page 32) and PLUs (page 33) are to be taxed.

For this cash register to be able to automatically register state sales tax, you must program its tax tables with tax calculation data from the tax table for your state. There are three tax tables (U. S.) and four tax tables (Canada) that you can program for automatic calculation of three/four separate sales taxes.

Programming for the U.S. tax tables procedure

There are two ways to set up the U.S. tax tables:

A) Input the desired tax rate / Changing the tax rate

Mode Switch

Tax table No.
Tax table 1: **1**
Tax table 2: **2**
Tax table 3: **3**

Tax rate
6.25%: **6 . 2 5**
7%: **7**

Skip to set "Round off / Add-on".

Rounding	Tax system
Round off: **5 0**	Add-on: **2**
Cut off: **0 0**	Add-in: **3**
Round up: **9 0**	
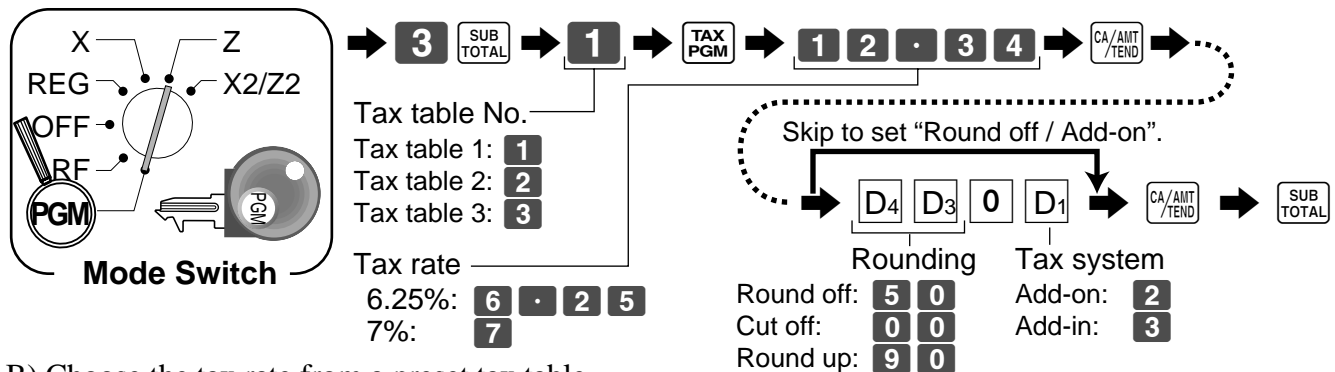
B) Choose the tax rate from a preset tax table.

The procedure to setup the tax table is printed on the guidance receipt. First issue the guidance receitpt by the HELP key and follow it to set the tax table.

HELP ⇨ **2** HELP ⇨ **0 1 0 1** HELP
(Alabama)

```
ENTER NUMBER THEN
PRESS <HELP> KEY.

01:HOW TO PROGRAM
   DATE AND TIME?

02:HOW TO PROGRAM
   TAX TABLE? (US)
       :
       :
```

```
02:HOW TO PROGRAM
   TAX TABLE?

·SELECT YOUR STATE AND
 ENTER NUMBER THEN
 PRESS <HELP> KEY.

0101:ALABAMA
0201:ALASKA
0301:ARIZONA
0401:ARKANSAS
0501:CALIFORNIA
       :
       :
5001:WISCONSIN
5101:WYOMING
```

```
PLEASE SELECT YOUR
DISTRICT NUMBER FOR TAX
TABLE 1 (XXXX) AND TABLE
2 (YYYY) FROM BELOW
TABLE.

1)TURN MODE KEY TO PGM.
2)3<SUBTOTAL>
3)0025<SUBTOTAL>
4)XXXX <CASH> KEY.
5)YYYY <CASH> KEY.
(IF YOU DO NOT NEED
 TABLE 2, JUST SKIP
 STEP 5)
6)<SUBTOTAL>
XXXX YYYY IS DISTRICT
NUMBER

ALABAMA
0101: 4%    State
0102: 4.5% State & Local
       :
0111: 9 %   State & Local
```

Follow these steps.

8. Tax table programming (continued)

Programming Canadian tax table

Mode Switch

→ **3** [SUB TOTAL] → **1** → [TAX PGM] → **1 2 · 3 4** → [CA/AMT TEND] → ....

Tax table No.

Tax table 1: **1**
Tax table 2: **2**
Tax table 3: **3**
Tax table 4: **4**

Tax rate
6.25%: **6 · 2 5**
7%: **7**

Skip to set "Round off / Add-on".

→ [D4] [D3] **0** [D1] → [CA/AMT TEND] → [SUB TOTAL]

Rounding   Tax system

Round off: **5 0**   Add-on: **2**
Cut off: **0 0**   Add-in: **3**
Round up: **9 0**   Tax on tax: **4**
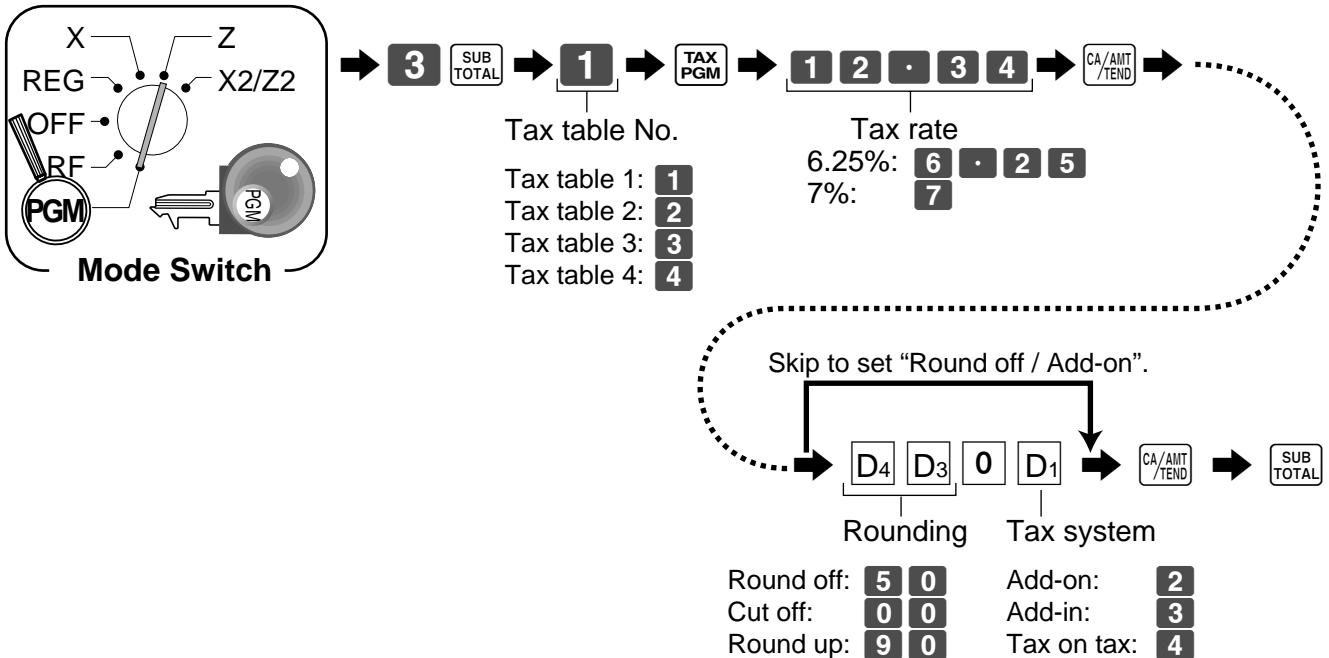
- **4 tax tables are used for the following purpose**
  Table 1: Used for the federal taxable items.
  Table 2: Used for the provincial taxable items.
  Table 3/4: Used for the provincial taxable items for different tax table.

Important!

Be sure you use the federal sales tax data with your provincial sales tax data. Even if your province use the same tax rate as another province, inputting the wrong data will result incorrect tax calculations.

Getting Started

9. Select watermark on receipt.

Turn the mode switch to "PGM", enter <0> or <1>, and press the <CH>, <ST>

Example: no watermark   ⇨   **0** CH [SUB TOTAL]
       with watermark   ⇨   **1** CH [SUB TOTAL]

NOTE:

After completion of register programming, enter **6 2 0 0** and [SUB TOTAL] in the PGM 7 mode (PGM mode ⇒ **7** [SUB TOTAL]) to backup the program data into the internal non-volatile memory.

(This opration takes about 30 seconds.)

10. Department unit price programming

Maximum 6-digit unit price can be set to the department.
Refer to page-32.

Tax calculation status can be set to the department.
Refer to page-32.

11. PLU unit price programming

Maximum 6-digit unit price can be set to the PLU.
Refer to page-33.

Tax calculation status can be set to the PLU.
Refer to page-33.

12. Discount rate programming

0.01 - 99.99% rate can be set to the Discount key.
Refer to page-36.

Tax calculation status can be set to the Discount key.
Refer to page-36.

13. Issuing daily reset report

After business hours, issue daily reset report.
Refer to page-45.

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14. Advanced operations and Setups

15. Issuing reports

16. Troubleshooting

Introducing the Register

General guide

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

Take-up reel — Pop-up display (customer display)

Roll paper — Main display

Printer — Mode switch

Keyboard

RAC connector cover — Com port connector cover

Drawer

Drawer lock

Printer cover
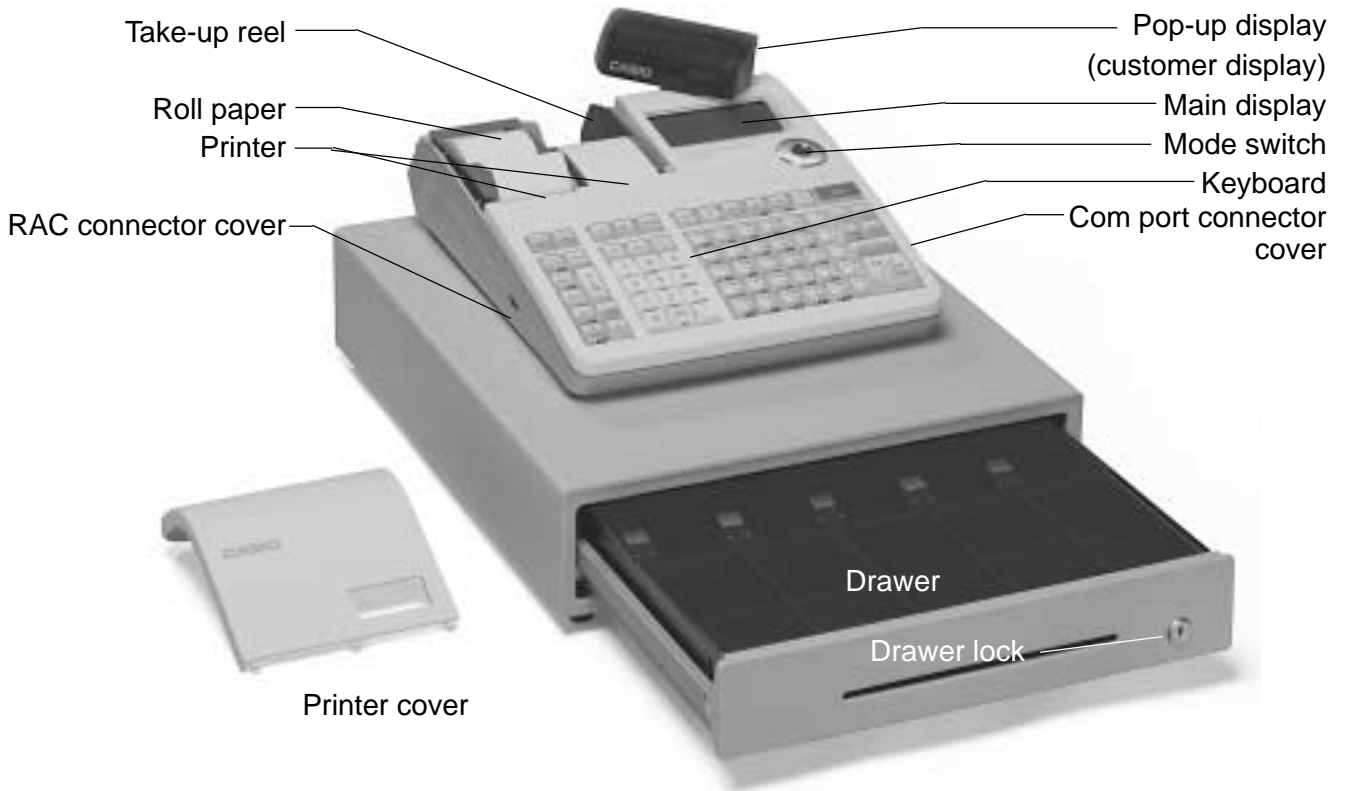
Roll paper

You can use the roll paper to print receipts and a journal (page 11 ~ 12).

Mode key

There are two types of mode keys: the program key (marked "PGM") and the operator key (marked "OP"). The program key can be used to set the mode switch to any position, while the operator key can select the **REG** and **OFF** position.
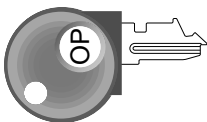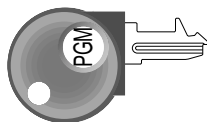
Operator key   **Program key**

Drawer

The drawer opens automatically whenever you finalize a registration and whenever you issue a read or reset report. The drawer will not open if it is locked with the drawer key.

Drawer lock / Drawer key

Use the drawer key to lock and unlock the drawer.
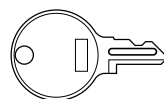
Drawer key

Magnetic plate

Use this plate for tacking the notes received from customer.
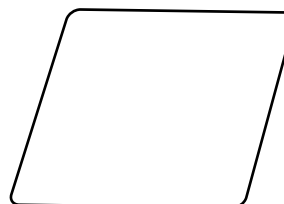
Mode switch

Use the mode keys to change the position of the mode switch and select the mode you want to use.
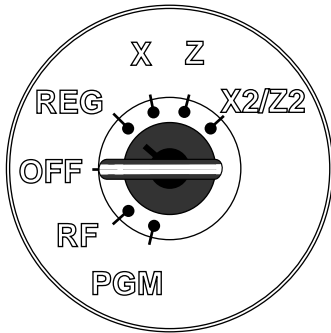
Mode Switch	Mode Name	Description
X2/Z2	Periodic sale read/reset	Used to obtain periodic sales reports without resetting total data or while resetting all total data.
Z	Daily sales reset	Used to obtain daily reports while resetting (clearing) all total data.
X	Daily sales read	Used to obtain daily reports without resetting (clearing) all total data.
REG	Register	Used for normal registration.
OFF	Stand-by	Cash register standing by.
RF	Refund	Used for registering refund transaction.
PGM	Program	Used for cash register programming.

How to set the Pop-up display

1. Lift the unit until it stops.

2. Rotate the unit.

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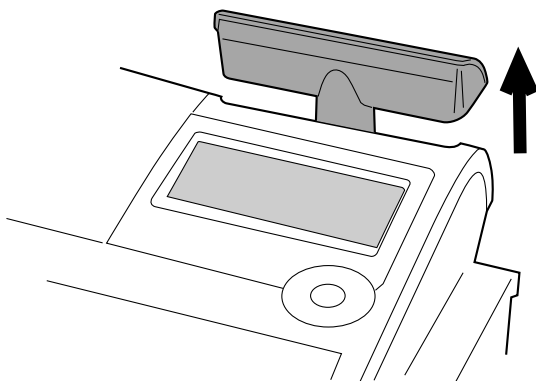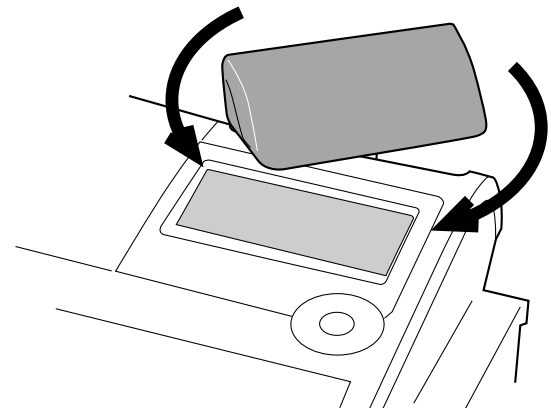
Introducing the Register

Display

Display panel

Main display

```
3 ST        $123.45
PRETZEL
                12.34
        ▬
  RPT        T1  T2  T3  T4  TOTAL CHANGE
              AMOUNT
```

Customer display

```
                12.34
```
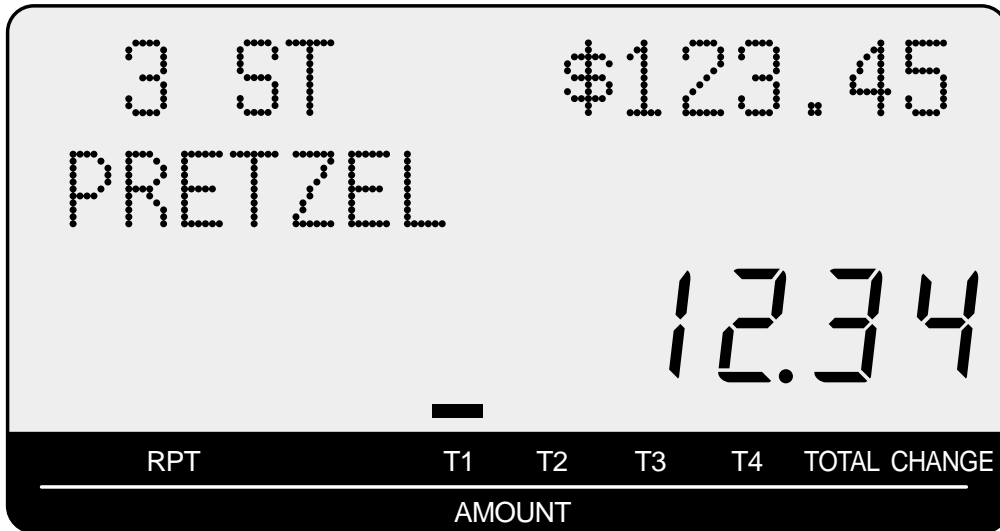
Displays

Main Display
(alphanumeric + numeric display)

Pop-up (customer) display
(numeric display)

Item registration (by department/PLU)

```
  3 ST        $12.34    ①
 DEPT001                ②
              1.50      ③

 RPT      T1 T2  T3  T4  TOTAL CHANGE
            AMOUNT                    ④
```

```
              1.50
                     ③
```

Repeat registration

```
  6 ST        $19.84    ①
 PLU0001                ②
  3           2.50      ③

 RPT      T1 T2  T3  T4  TOTAL CHANGE
⑤           AMOUNT                   ④
```

```
              2.50
                     ③
```

Totalize operation

```
 CASH        $20.00    ⑥
 CG                    ②
              7.66     ③

 RPT      T1  T2  T3  T4  TOTAL CHANGE
            AMOUNT                    ⑦
```

```
              7.66
                     ③
```
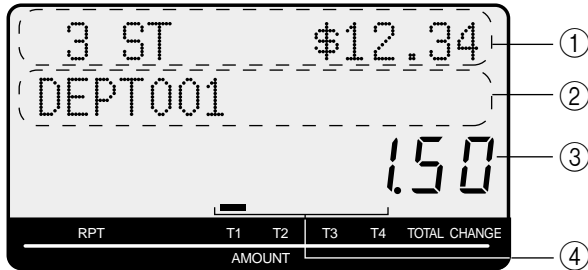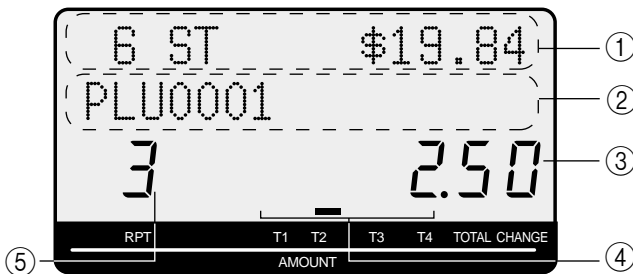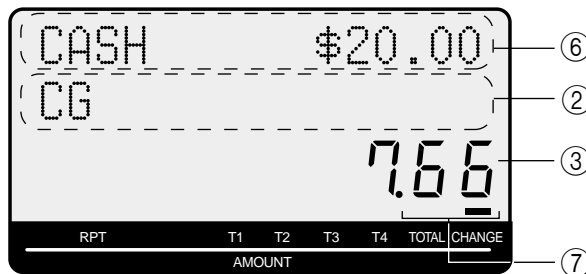
① **Item count and subtotal**
This part of the display shows item sold count and subtotal.

② **Item / Key / Change descriptor**
When you register an item or key, the item / key / change descriptor appears here.
Mode descriptor is also displayed here.

③ **Amount / Quantity**
This part of the display shows monetary amounts. It also can be used to show the current time. (The current date is shown in the alphanumeric display.)

④ **Taxable sales status indicators**
When you register a taxable item, the corresponting indicator is lit.

⑤ **Number of repeats**
Anytime you perform a repeat registration (page 29, 34), 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 **Tendered amount**
When the tender operation is made, the entered value appears here.

⑦ **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.

Introducing the Register

Keyboard

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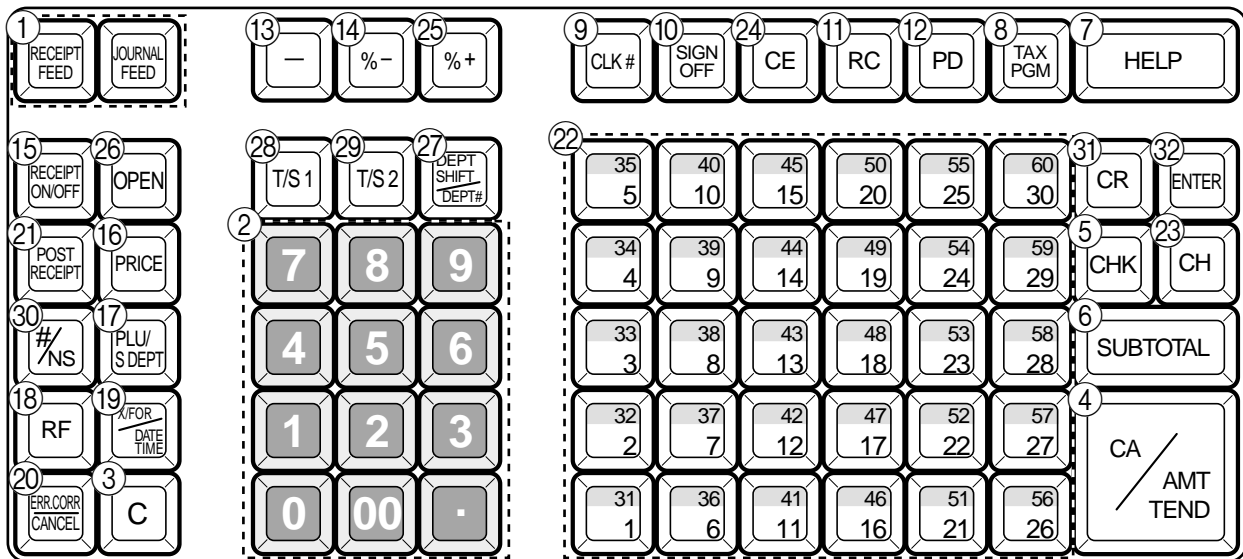
Hold this key down to feed paper from the printer.

② **Ten key pad** [0], [1], ~ [9], [00], [·]

Use these keys to input numbers.

③ **Clear key** [C]

Use this key to clear an entry that has not yet been registered.

④ **Cash amount tendered key** [CA/AMT TEND]

Use this key to register a cash sale.

⑤ **Check key** [CHK]

Use this key to register a check tender.

⑥ **Subtotal key** [SUB TOTAL]

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

⑦ **Help key** [HELP]

Use this key to look up the procedures to set date/time, tax table etc.

⑧ **Tax program key** [TAX PGM]

Use this key to set the tax status and tax table.

⑨ **Clerk number key** [CLK#]

Use this key to sign clerk on and off the register.

⑩ **Sign off key** [SIGN OFF]

Use this key to sign clerk off the register.

⑪ **Received on account key** [RC]

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

⑫ **Paid out key** [PD]

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

⑬ **Reduction (minus) key** [−]

Use this key to input values for reduction.

⑭ **Discount key** [%−]

Use this key to register discounts.

⑮ **Receipt on/off key** [RECEIPT ON/OFF]

Use this key twice to change the status "receipt issue" or "no receipt."

⑯ **Price key** [PRICE]

Use this key to register unit prices for subdepartment.

⑰ **PLU/Subdepartment key** [PLU/S.DEPT]

Use this key to input PLU (subdepartment) numbers.

⑱ **Refund key** [RF]

Use this key to input refund amounts and void certain entries.

⑲ **Multiplication/For/Date/Time key** [X/FOR DATE TIME]

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

⑳ **Error correct / Cancel key** [ERR CORR. CANCEL]

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

㉑ **Post receipt key** [POST RECEIPT]

Use this key to produce a post-finalization receipt.

㉒ **Department keys** [1], [2], ~

Use these keys to register items to departments.

㉓ **Charge key** [CH]

Use this key to register a charge sale.

㉔ **Currency exchange key** [CE]

Use this key for calculating subtotal amounts or paying amount due in foreign currency.

㉕ **Premium key** [%+]

Use this key to register premiums.

㉖ **Open key** [OPEN]

Use this key to temporarily release a limitation on the number of digits that can be input for a unit price.

㉗ **Department no. / Department shift key** [DEPT#/DEPT SHIFT]

Department no.: Use this key to input department numbers.

Department shift: Use this key to shift the department key number from 1 through 30 to 31 through 60.

[1] ⇨ Dept 01	[DEPT#/DEPT SHIFT] [1] ⇨ Dept 31
[2] ⇨ Dept 02	[DEPT#/DEPT SHIFT] [2] ⇨ Dept 32
:	:

㉘ **Tax shift 1 key** [T/S1]

Use this key without a numeric entry to change the Taxable 1 status of the next item.

㉙ **Tax shift 2 key** [T/S2]

Use this key without a numeric entry to change the Taxable 2 status of the next item.

㉚ **Non-add / No sale key** [#/NS]

Non-add key: Use this 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.

㉛ **Credit key** [CR]

Use this key to register a credit sale.

㉜ **Enter key** [ENTRY]

(future use)

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Basic Operations and Setups

How to read the printouts

- The journal / receipts are records of all transactions and operations.
- The contents printed on receipts and journal are almost identical.
- 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.
  - Taxable status
  - Taxable amount
  - Item counter

Receipt Sample

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

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

       New Year
        Sale
    1st Anniversary
      10% OFF

     HAPPY NEW YEAR

REG   03-06-2008  11:58
C01       0001      000123

  1 DEPT001   T1    $1.00
  1 DEPT002   T1    $2.00
  5 DEPT003         $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
- Preset message *1
- Preset graphic *1
- Mode/Date/Time
- Clerk/Machine No. Consecutive No.
- Q'ty/Item
- Item counter
- Bottom message

**Journal Sample
(Item lines Included)**

```
REG   03-06-    8  11:58
C01       0001      000123
  1 DEPT001   T1    $1.00
  1 DEPT002   T1    $2.00
  5 DEPT003         $5.00
            7 No
   TA1             $3.00
   TX1             $0.15
   TL            $8.15
   CASH          $10.00
   CG             $1.85
REG   03-06-2008  11:59
C01       0001      000124
  1 DEPT001   T1    $1.00
  1 DEPT012   T1    $1.00
  5 DEPT003         $6.00
            7 No
   TA1             $2.00
   TX1             $0.10
   TL            $8.10
   CASH          $10.00
   CG             $1.90
REG   03-06-2008  11:59
C01       01       000124
```

**Journal Sample
(by half height character)**

```
REG   03-06-        11:58
C01       0001      0001
  1 DEPT001   T1    $1.00
  1 DEPT002   T1    $2.00
  5 DEPT003         $5.00
            7 No
   TA1             $3.00
   TX1             $0.15
   TL              $8.15
   CASH          $10.00
   CG             $1.85
REG   03-06-2008  11:59
C01       0001      000124
  1 DEPT001   T1    $1.00
  1 DEPT012   T1    $1.00
  5 DEPT003         $6.00
            7 No
   TA1             $2.00
   TX1             $0.10
   TL              $8.10
   CASH          $10.00
   CG             $1.90
REG   03-06-2008  11:59
          0001      000125
```

*1 You can choose to print preset message and graphic at the top of the receipt or at the bottom of the receipt.

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…
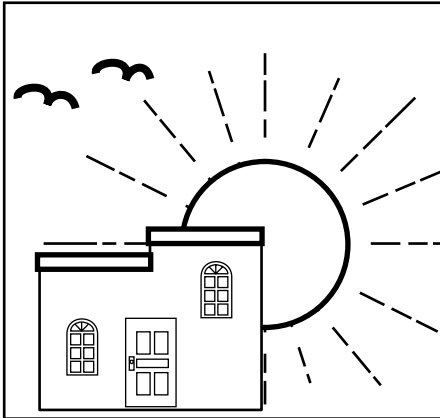
- Check to make sure that the cash register is plugged in securely.   Page 13
- Check to make sure there is enough paper left on the roll.   Pages 11, 12
- Read the flash report to confirm that totals are all zero.   Page 75
- Check the date and time.   Page 28

DURING business hours…

- Register transactions.   Page 29 -
- Periodically read totals.   Page 74
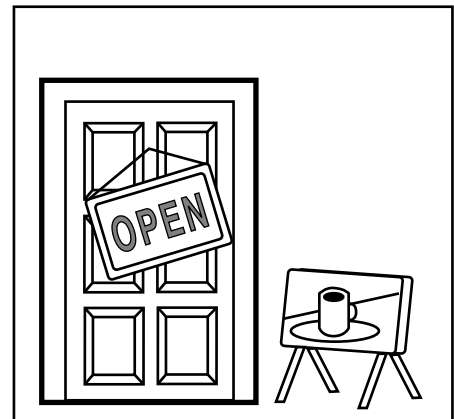
AFTER business hours…
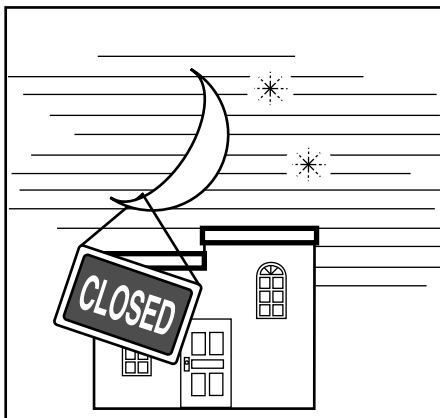
- Reset the daily totals.   Page 45, 76
- Remove the journal.   Page 90
- Empty the cash drawer and leave it open.   Page 20
- Take the cash and journal to the office.

Basic Operations and Setups

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Basic Operations and Setups

Before business hours

Checking the time and date

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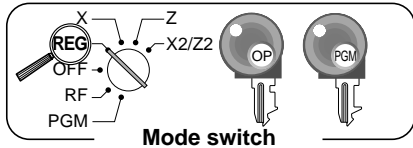
You can show the time or date on the display of the cash register whenever there is no registration being made.

To display and clear the date/time

OPERATION	DISPLAY

X/FOR DATE TIME

Date/time appears on the display.

06-15-2008 (SUN) — Date
08-30. — Time
— Blinking

RPT   T1 T2 T3 T4 TOTAL CHANGE
AMOUNT

C
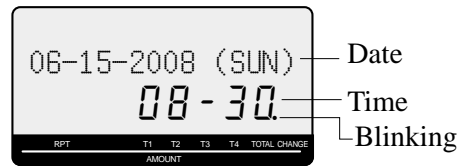
Clears the date/time display.

REG

0.00

RPT   T1 T2 T3 T4 TOTAL CHANGE
AMOUNT

Preparing coins for change

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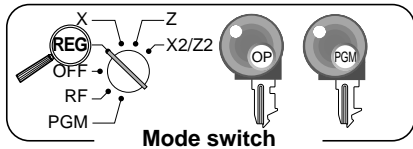
You can use the following procedure to open the drawer without registering an item. This operation must be performed out of a sale.

Opening the drawer without a sale

OPERATION	RECEIPT

#/NS

#/NS   ....

Preparing and using department keys

Registering department keys

Mode switch
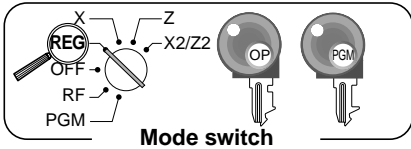
The following examples show how you can use the department keys in various types of registrations.

Single item sale

Example 1

OPERATION

1 **00**
Unit price

1
Department

CA/AMT TEND

RECEIPT

```
1 DEPT001        $1.00
  TL         $1.00
  CASH         $1.00
```

— Department No./ unit price
— Total amount

Example 2 (Subtotal registration and change computation)

Item	Unit price	$12.34
	Quantity	1
	Dept.	1
Payment	Cash	$20.00

OPERATION

1 **2** **3** **4**
Unit price

1
Department

SUB TOTAL

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

RECEIPT

```
1 DEPT001       $12.34
  TL       $12.34
  CASH        $20.00
  CG          $7.66
```

— Total amount
— Amount tendered
— Change

Single item sale table (Example 1)

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

Repeat

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

OPERATION

1 **5** **0** **1**
1
1
SUB TOTAL

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

RECEIPT

```
1 DEPT001        $1.50
1 DEPT001        $1.50
1 DEPT001        $1.50
  TL        $4.50
  CASH        $10.00
  CG          $5.50
```

— Repeat
— Repeat

Basic Operations and Setups

Basic Operations and Setups

Multiplication

			OPERATION	RECEIPT

Item	Unit price	$1.00
	Quantity	12
	Dept.	1
Payment	Cash	$20.00

OPERATION

`1` `2` `X/FOR DATE TIME`
Quantity
(4-digit integer/3-digit decimal)

`1` `00` `1`

`SUB TOTAL`

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

RECEIPT

```
12 DEPT001      $12.00
   TL         $12.00
   CASH        $20.00
   CG           $8.00
```
— Quantity/result

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/3-digit decimal)

`4` `X/FOR DATE TIME`
Package quantity
(4-digit integer/3-digit decimal)

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

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

RECEIPT

```
3 DEPT001       $7.50
  TL          $7.50
  CASH         $10.00
  CG            $2.50
```
— Quantity/result

Department shift

Item	Unit price	$1.00
	Quantity	1
	Dept.	31
Payment	Cash	$1.00

OPERATION

`DEPT# DEPT SHIFT` `1` `00` `1`
Designating upper department
press `DEPT# DEPT SHIFT` first.
(- ヷ - shows).

`CA/AMT TEND`

RECEIPT

```
1 DEPT031       $1.00
  TL          $1.00
  CASH          $1.00
```

Department number

Item	Unit price	$13.00
	Quantity	1
	Dept.	31
Payment	Cash	$13.00

OPERATION

`3` `1` `DEPT# DEPT SHIFT`
Department No.

`1` `3` `00` `PRICE`
Unit price

`CA/AMT TEND`

RECEIPT

```
1 DEPT031      $13.00
  TL         $13.00
  CASH         $13.00
```

Programming department keys

To program a unit price for each department
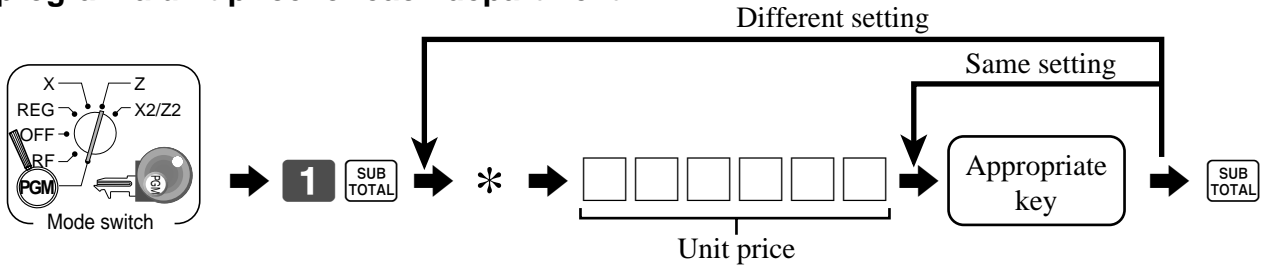
* In case of shifting upper department, press $\boxed{\substack{\text{DEPT\#} \\ \text{SHIFT}}}$ key here.

To program the tax calculation status for each department

Tax calculation status

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

Programming procedure
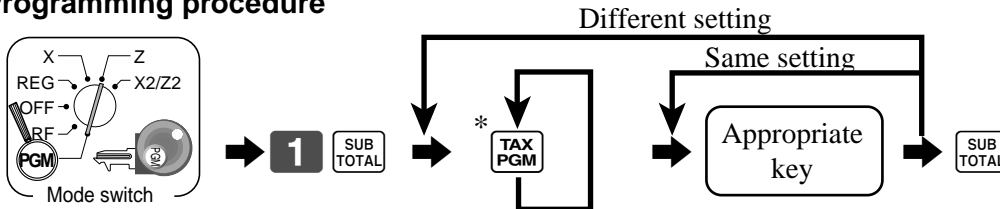
* Press $\boxed{\substack{\text{TAX} \\ \text{PGM}}}$ key repeatedly until the status you want to program is appeared on the display.

Appropriate key: In case of shifting department, press $\boxed{\substack{\text{DEPT\#} \\ \text{SHIFT}}}$ key first.

To program high amount limit for each department

Programming procedure
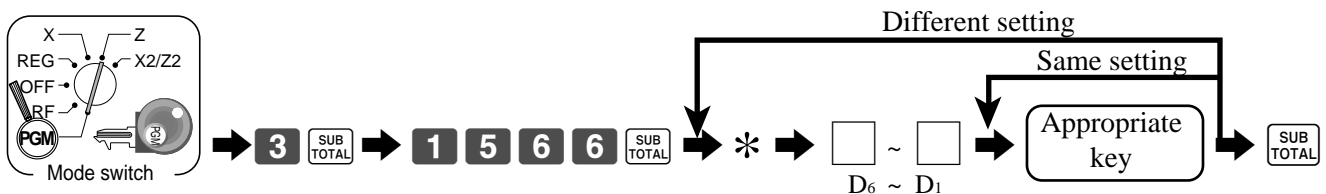
* In case of shifting upper department, press $\boxed{\substack{\text{DEPT\#} \\ \text{SHIFT}}}$ key here.

Description	Choice	Program code
High amount limit for entering unit price manually.	Significant numbers	$\boxed{} \sim \boxed{}$ $D_6 \sim D_1$

Basic Operations and Setups

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Basic Operations and Setups

Registering department keys by programming data

Mode switch
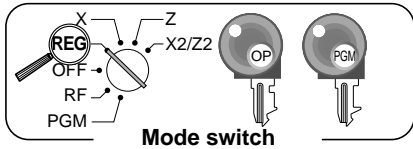
Preset price

			OPERATION	RECEIPT	

Item	Unit price	($1.00)_preset			
	Quantity	1			
	Dept.	2			
Payment	Cash	$1.00			

OPERATION

`2`
`CA/AMT TEND`

RECEIPT

```
1 DEPT002      $1.00
  TL         $1.00
  CASH         $1.00
```
— Department No./ unit price

Preset tax status

			OPERATION	RECEIPT	

Item 1	Unit price	($2.00)_preset
	Quantity	5
	Dept.	3
	Taxable	(1)_preset
Item 2	Unit price	($2.00)_preset
	Quantity	1
	Dept.	4
	Taxable	(2)_preset
Payment	Cash	$20.00

OPERATION

`5` `X/FOR DATE TIME`
`3`
`4`
`SUB TOTAL`
`2` `0` `00` `CA/AMT TEND`

RECEIPT

```
5 DEPT003   T1    $10.00
1 DEPT004   T2     $2.00
  TA1             $10.00
  TX1              $0.40
  TA2              $2.00
  TX2              $0.20
  TL            $12.60
  CASH           $20.00
  CG              $7.40
```
— Tax status
— Taxable Amount 1
— Tax 1
— Taxable Amount 2
— Tax 2

Locking out high amount limitation

			OPERATION	RECEIPT

Item	Unit price	$1.05
	Quantity	1
	Dept.	3
	Max.amount	($10.00)_preset
Payment	Cash	$2.00

OPERATION

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

RECEIPT

```
1 DEPT003      $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 sequencial) PLU

Different setting to the next PLU

Same setting

Mode switch → **1** SUB TOTAL → PLU No. PLU/S.DEPT → ☐☐☐☐☐☐ → CA/AMT /TEND → SUB TOTAL

Unit price
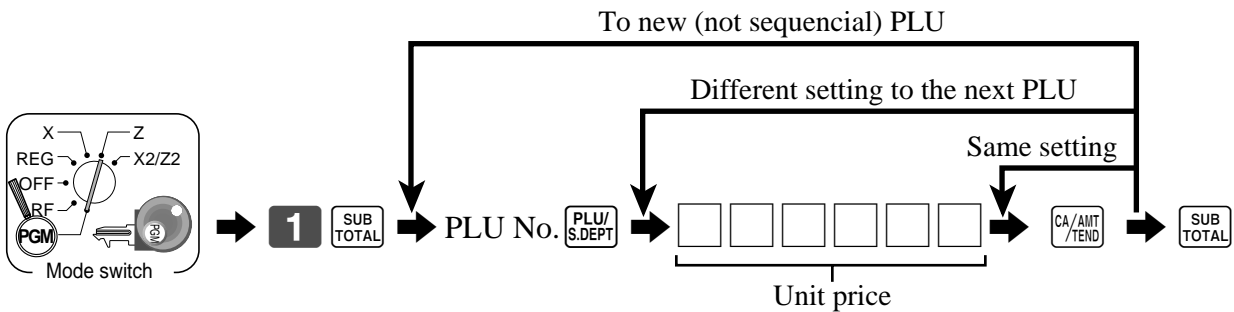
To program tax calculation status for each PLU
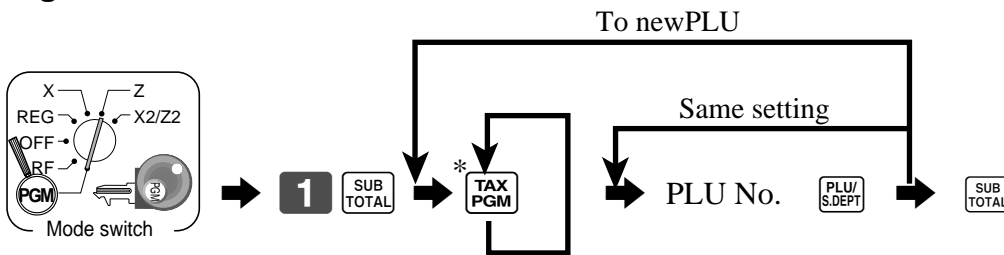
To newPLU

Same setting

Mode switch → **1** SUB TOTAL → * TAX PGM → PLU No. PLU/S.DEPT → SUB TOTAL

* Press TAX PGM key repeatedly until the status you want to program is appeared on the display.

T/S1   0.00 → T/S2   0.00 → T/S3   0.00 → …

RPT   T1 T2 T3 T4 TOTAL CHANGE   RPT   T1 T2 T3 T4 TOTAL CHANGE   RPT   T1 T2 T3 T4 TOTAL CHANGE
AMOUNT   AMOUNT   AMOUNT

Basic Operations and Setups

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Basic Operations and Setups

Registering PLUs

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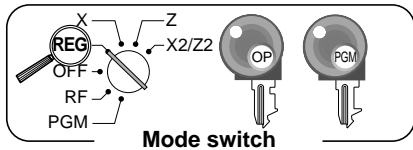
The following examples show how you can use PLUs in various types of registrations.

PLU single item sale

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

Item	Unit price	($2.50)preset
	Quantity	1
	PLU	14
Payment	Cash	$3.00

OPERATION

`1` `4`
PLU code

`PLU/ S.DEPT`

`SUB TOTAL`

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

RECEIPT

```
1 PLU0014        $2.50      ─ PLU No./unit price
  TL         $2.50
  CASH         $3.00
  CG           $0.50
```

PLU repeat

Item	Unit price	($2.50)preset
	Quantity	3
	PLU	14
Payment	Cash	$10.00

OPERATION

`1` `4` `PLU/ S.DEPT`

`PLU/ S.DEPT`

`PLU/ S.DEPT`

`SUB TOTAL`

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

RECEIPT

```
1 PLU0014        $2.50
1 PLU0014        $2.50
1 PLU0014        $2.50
  TL         $7.50
  CASH        $10.00
  CG           $2.50
```

PLU multiplication

Item	Unit price	($2.00)preset
	Quantity	10
	PLU	7
Payment	Cash	$20.00

OPERATION

`1` `0` `X / FOR DATE TIME`
Quantity
(4-digit integer/3-digit decimal)

`7` `PLU/ S.DEPT`

`SUB TOTAL`

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

RECEIPT

```
10 PLU0007       $20.00     ─ Quantity/result
   TL        $20.00
   CASH        $20.00
   CG          $0.00
```

Split sales of packaged item

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

OPERATION

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

5 [X/FOR DATE TIME]
Package quantity
(4-digit integer/3-digit decimal)

2 **8** [PLU/S.DEPT]

[SUB TOTAL]

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

RECEIPT

```
 3 PLU0028        $12.00
   TL          $12.00
   CASH          $15.00
   CG             $3.00
```
— Quantity/result

Open PLU

	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/S.DEPT]
3 **2** **8** **0** [PRICE]
Unit price

3 **1** [PLU/S.DEPT]
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.

Basic Operations and Setups

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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 $\boxed{\%-}$ key

Example: 10.0% ⇨ **1 0**   5.5% ⇨ **5 · 5**

12.34% ⇨ **1 2 · 3 4**

To program the tax calculation status to the $\boxed{\%-}$ key

Refer to page 31.

Registering discounts
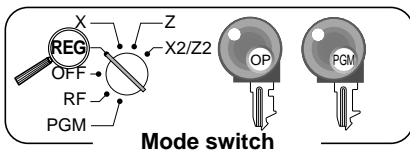
The following example shows how you can use the $\boxed{\%-}$ key in various types of registration.

Discount for items and subtotals

			OPERATION	RECEIPT
Item 1	Dept. 1	$5.00		
	Quantity	1		
	Taxable	(1)$_{preset}$		
Item 2	PLU 16	($10.00)$_{preset}$		
	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/S.DEPT

%−

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 DEPT001   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 $\boxed{\%-}$ 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 $\boxed{\%-}$ 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

Unit price
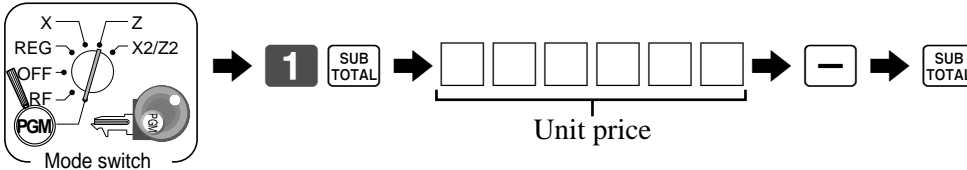
To program the tax calculation status to the $\boxed{-}$ key

Refer to page 31.

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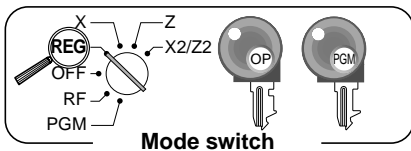
The following examples show how you can use the $\boxed{-}$ key in various types of registration.

Reduction for items and subtotal

	OPERATION		RECEIPT

Item 1	Dept. 1	$5.00	
	Quantity	1	
	Taxable	(1)$_{preset}$	
Reduction	Amount	$0.25	
Item 2	PLU 45	($6.00)$_{preset}$	
	Quantity	1	
	Taxable	(1)$_{preset}$	
Reduction	Amount	($0.50)$_{preset}$	
Subtotal Reduction	Amount	$0.75	
	Taxable	(No)$_{preset}$	
Payment	Cash	$10.00	

OPERATION:

5 00 1

2 5 −

Reduces the last amount registered by the value input.

4 5 PLU/S.DEPT

−

SUB TOTAL

7 5 −

1 0 00 CA/AMT TEND

RECEIPT:

```
1 DEPT001   T1     $5.00
   -         T1    -0.25
1 PLU0045   T1     $6.00
   -         T1    -0.50
   -               -0.75
   TA1            $10.25
   TX1             $0.41
   TL             $9.91
   CASH          $10.00
   CG             $0.09
```

- 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

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Registering credit and check payments

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

Mode switch
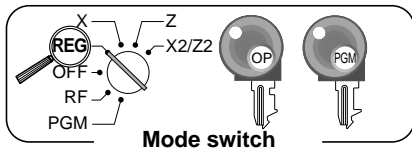
Check

	OPERATION	RECEIPT

Item	Dept. 1	$11.00
	Quantity	1
Reference	Number	1234
Payment	Check	$20.00

Operation:
1 1 00 [1]
[SUB TOTAL]
1 2 3 4 [#/NS]
2 0 00 [CHK]

Receipt:
```
1 DEPT001        $11.00
  #/NS             1234
  TL            $11.00
  CHECK          $20.00
  CG              $9.00
```
— Reference No.

Charge

	OPERATION	RECEIPT

Item	Dept. 4	$15.00
	Quantity	1
Payment	Charge	$15.00

Operation:
1 5 00 [4]
[SUB TOTAL]
[CH]

Receipt:
```
1 DEPT004        $15.00
  TL            $15.00
  CHARGE         $15.00
```

Credit

	OPERATION	RECEIPT

Item	Dept. 3	$10.00
	Quantity	1
Payment	Credit	$10.00

Operation:
1 0 00 [3]
[SUB TOTAL]
[CR]

Receipt:
```
1 DEPT003        $10.00
  TL            $10.00
  CREDIT         $10.00
```

Mixed tender (cash and check)

	OPERATION	RECEIPT

Item	Dept. 4	$55.00
	Quantity	1
Payment	Check	$30.00
	Cash	$25.00

Operation:
5 5 00 [4]
[SUB TOTAL]
3 0 00 [CHK]
2 5 00 [CA/AMT TEND]

Receipt:
```
1 DEPT004        $55.00
  TL            $55.00
  CHECK          $30.00
  CASH           $25.00
  CG              $0.00
```

Shifting the taxable status of an item

Mode switch
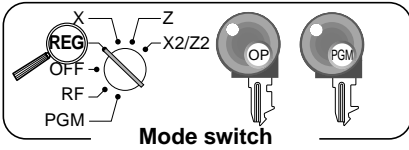
By pressing "Tax Shift" key, you can shift the taxable status of an item.

Calculation merchandise subtotal

OPERATION   **DISPLAY**

Item 1	Dept. 1	$4.00	
	Quantity	1	
	Taxable	(2)_preset	
Item 2	Dept. 2	$2.00	
	Quantity	1	
	Taxable	(No)→1	
Item 3	Dept. 3	$6.00	
	Quantity	1	
	Taxable	(1)→1, 2	
Item 4	Dept. 4	$7.00	
	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`

DISPLAY

```
                4.00
RPT      T1 T2 T3 T4 TOTAL CHANGE

                2.00
RPT      T1 T2 T3 T4 TOTAL CHANGE

                6.00
RPT      T1 T2 T3 T4 TOTAL CHANGE

                7.00
RPT      T1 T2 T3 T4 TOTAL CHANGE

               19.82
RPT      T1 T2 T3 T4 TOTAL CHANGE
```

OPERATION   **RECEIPT**

```
1 DEPT001    T2      $4.00
1 DEPT002    T1      $2.00
1 DEPT003    T12     $6.00
1 DEPT004            $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

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Basic Operations and Setups

Registering returned goods in the REG mode

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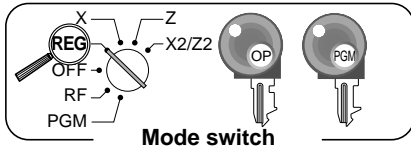
The following example shows how to use the [RF] key in the REG mode to register goods returned by customers.

OPERATION

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		
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/S.DEPT
RF
2 3 5 1

Press [RF] before the item you want to return.

RF
1 PLU/S.DEPT
SUB TOTAL
CA/AMT TEND

RECEIPT

```
 1 DEPT001        $2.35
 1 DEPT002        $2.00
 1 PLU0001        $1.20
   RF          . . . . . . . .
 1 DEPT001       -2.35
   RF          . . . . . . . .
 1 PLU0001       -1.20
   TL           $2.00
   CASH         $2.00
```

Registering returned goods in the RF mode

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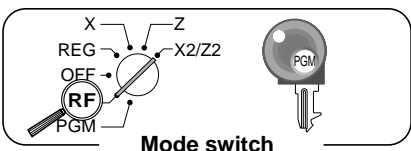
The following examples show how to use the RF mode to register goods returned by customers.

OPERATION

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	$4.99		

4 00 3
1 5 —
2 PLU/S.DEPT
%−
SUB TOTAL
CA/AMT TEND

RECEIPT

```
 1 DEPT003        $4.00
   -              -0.15
 1 PLU0002        $1.20
   5%
   %-             -0.06
   TL           $4.99
   CASH         $4.99
```

Important

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

Registering money received on account

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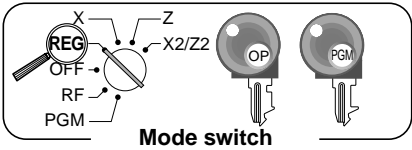
The following example shows how to register money received on account. This registration must be performed out of a sale.

	OPERATION	RECEIPT

Received amount	$700.00

7 00 00 RC

Amount can be up to 8 digits.

RC	$700.00

Registering money paid out

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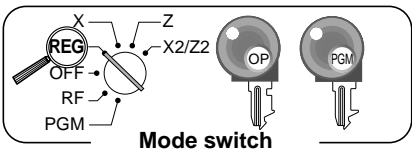
The following example shows how to register money paid out from the register. This registration must be performed out of a sale.

	OPERATION	RECEIPT

Paid out amount	$1.50

1 5 0 PD

Amount can be up to 8 digits.

PD	$1.50

No sale registration

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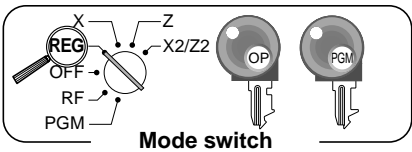
You can use the following procedure to open the drawer without registering a sale. This operation must be performed out of a sale.

OPERATION	RECEIPT

#/NS

#/NS	········

Basic Operations and Setups

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Making corrections in a registration

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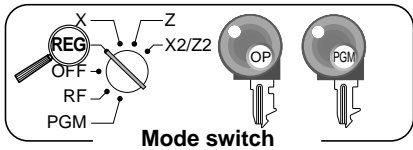
There are three techniques you can use to make corrections in a registration.
$To correct an item that you input but not yet registered.
$To correct the last item you input and registered.
$To cancel all items in a transaction.

To correct an item you input but not yet registered

OPERATION	RECEIPT

2 00

C

1 00 1 — Correction of unit price

1 2 X/FOR DATE TIME

C

1 1 X/FOR DATE TIME — Correction of quantity

2 00 2

2

C

3 PLU/ S.DEPT — Correction of PLU No.

1 5 PLU

6 00

C

1 5 PLU/ S.DEPT — Correction of open PLU unit price
Enter PLU No. again.

1 0 00 PRICE

SUB TOTAL

1 0 00

C

1 5 00 CA/AMT TEND — Correction of partial tender amount

CH

```
  1 DEPT001           $1.00
 11 DEPT002          $22.00
  1 PLU0003           $1.30
  1 PLU0015          $10.00
    TL              $34.30
    CASH            $15.00
    CHARGE          $19.30
```

To correct an item you input and registered

OPERATION		RECEIPT

OPERATION

`1` `00` `1`

`2` `00` `2`

`2` ⎫
`ERR CORR./CANCEL` ⎬ — Clearance

`2` `PLU/S.DEPT` ⎫
`ERR CORR./CANCEL` ⎬ — Correction of PLU No.
`5` `PLU/S.DEPT` ⎭

`1` `5` `PLU/S.DEPT` ⎫
`6` `00` `PRICE` ⎪
`ERR CORR./CANCEL` ⎬ — Correction of open PLU unit price
`1` `5` `PLU/S.DEPT` ⎪
`1` `0` `00` `PRICE` ⎭

`8` `X/FOR /DATE TIME` ⎫
`4` `00` `4` ⎪
`ERR CORR./CANCEL` ⎬ — Correction of quantity
`6` `X/FOR /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` ⎭
`CHK`

RECEIPT

```
 1 DEPT001        $1.00
 1 DEPT002        $2.00
 1 DEPT002        $2.00
   CORR          -2.00
 1 PLU0002        $2.00
   CORR          -2.00
 1 PLU0005        $1.50
 1 PLU0015        $6.00
   CORR          -6.00
 1 PLU0015       $10.00
 8 DEPT004       $32.00
   CORR         -32.00
 6 DEPT004       $24.00
   ST            $38.50
  50%
   %-           -19.25
   CORR          $19.25
   ST            $38.50
   5%
   %-            -1.93
   RF         . . . . . . . .
 1 DEPT          -2.00
   CORR          $2.00
   RF         . . . . . . . .
 1 DEPT002        -2.20
   TL           $34.37
   CASH         $20.00
   CORR         -20.00
   CASH         $15.00
   CHECK        $19.37
```

Corrected items are not printed on receipt (in case of programming "Buffered receipt printing").

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Basic Operations and Setups

To cancel all items in a transaction

OPERATION	RECEIPT

1 **00** **1**

2 **00** **2**

3 **00** **3**

4 **00** **4**

SUB TOTAL

Pressing **SUB TOTAL** key is necessary to cancel the transaction.

ERR CORR. CANCEL

```
1 DEPT001        $1.00
1 DEPT002        $2.00
1 DEPT003        $3.00
1 DEPT004        $4.00
  CANCEL      . . . . . . . .
```

Printing the daily sales reset report

This report shows daily sales totals.

OPERATION	REPORT

Mode switch

```
   X
      Z
REG     X2/X2
OFF           PGM
RF
PGM
```
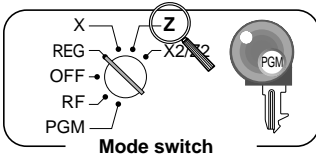
CA/AMT TEND

```
Z     03-06-2008  17:00          — Date/time
        0001      000231         — Machine No./consecutive No.
------------------------
Z     DAILY Z                    — Report title
------------------------
Z     DEPT           0001        — Department report title/reset counter
              0001015            — Report code

DEPT001           203.25
               $1,108.54         — Department count/amount *1
DEPT002           183
               $1,362.26
                  5
------------------------
TL               421.25          — Department total count/total amount
               $2,872.28
------------------------
Z     FIX            0001        — Fixed total report title/reset counter
              0001011            — Report code

GROSS            981.25          — Gross total *2
               $6,574.40
NET        No    111             — Net total *2
               $7,057.14
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 1 *2
CRID(2)          $0.00           — Credit in drawer 2 *2
CRID(3)          $0.00           — Credit in drawer 3 *2
CRID(4)          $0.00           — Credit in drawer 4 *2
------------------------
RF         No     3              — Refund mode *2
                $10.22
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
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
------------------------
GT    $00000000125478.96         — Grand total *2
------------------------
Z     TRANS          0001        — Function key report title/reset counter
              0001012            — Report code
CASH       No    362
               $1,638.04         — Function key count/amount *1
CHARGE     No     56
               $1,174.85
RC         No      4
                $810.00
PD         No      5
                $520.00
                  $5.00
CORR       No     14
                 $39.55
RCT        No      3
NS                 5
------------------------
```

*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

Using clerk functions

Enable clerk feature

Please follow the below procedure to enable clerk feature.

PGM Mode switch → **3** [SUB TOTAL] → **2** **7** **2** **2** [SUB TOTAL] → ⌁

⌁ → **4** **0** **0** **0** **0** **0** **0** **0** [CA/AMT /TEND] → [SUB TOTAL]
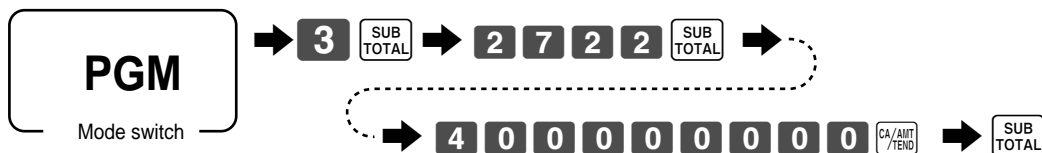
Assigning a clerk

You can assign clerks by using clerk number.

Clerk number key

Clerk sign on

	OPERATION	RECEIPT

Signing clerk 1 on: **1** → [CLK#]

Signing clerk 2 on: **2** → [CLK#]

Clerk number

```
*   COMMERCIAL MESSAGE   *

REG  03-06-2008 11:58
C01      0001      000123   ← Clerk name/machine No./consecutive No.

1 DEPT01
```

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

Clerk sign off

OPERATION

Signing clerk off: [SIGN OFF]
(except PGM mode)

• 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.

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

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 can only be used for cash sales.

Example 1

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

OPERATION

1 **00** **1**

The transaction is immediately finalized.

RECEIPT

```
1 DEPT001        $1.00
  TL          $1.00
  CASH           $1.00
```

— Department No./ unit price
— Cash total amount

Example 2

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

OPERATION

3 **X/FOR DATE TIME**

1

The transaction is immediately finalized.

RECEIPT

```
3 DEPT001        $3.00
  TL          $3.00
  CASH           $3.00
```

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 DEPT003        $2.00
1 DEPT001        $1.00
  TL          $3.00
  CASH           $3.00
```

Advanced Operations and Setups

Currency exchange function

When <CE> 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.
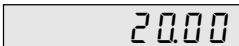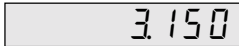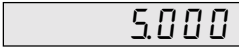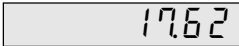
Registering foreign currency

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⌉ 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 DEPT001 $10.00 1 DEPT002 $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 $\boxed{\text{CA/AMT /TEND}}$ and $\boxed{\text{CHK}}$ 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 $)

2 0 00 [2] ← Enter the next unit price and press the applicable department key.

20.00
(Displays in $)

```
1 DEPT001      $10.00
1 DEPT002      $20.00
  TL        $30.00
  CE
  CASH        ¥2,000
  CASH        $19.05
  CHECK       $10.95
```

$\boxed{\text{CE}}$ $\boxed{\text{SUB TOTAL}}$ ← Press $\boxed{\text{CE}}$ and $\boxed{\text{SUB TOTAL}}$ 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 $\boxed{\text{CE}}$
(2,000) ← Enter the partial amount tendered in yen and press $\boxed{\text{CE}}$.
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

$\boxed{\text{CA/AMT /TEND}}$ ← Press $\boxed{\text{CA/AMT /TEND}}$ 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 $)

$\boxed{\text{CHK/ TEND}}$ ← Press to finalize the transaction.

10.95
(Displays in $)

Advanced Operations and Setups

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Advanced Operations and Setups

Premium

Example

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/FOR DATE TIME]
2 00 [1]
[SUB TOTAL]
[%+]
[CA/AMT TEND]

RECEIPT

```
 1 DEPT001          $1.00
   10%
   %+              $0.10
 3 DEPT001          $6.00
   ST              $7.10
   15%
   %+              $1.07
   TL             $8.17
   CASH            $8.17
```

Programming department / PLU descriptors and preset messages in the list

In this chapter, the procedures to choose department / PLU descriptors and preset messages from the preset list are described. Read help receipt, so that you can set the descriptors and messages easily.

How to choose and set the department / PLU descriptors in the list

1. Turn to the PGM mode.
2. Enter **0** **7** and press the **HELP** key.
3. Select the item name and follow these steps in the list.

How to choose and set the preset receipt message and graphic logo in the list

1. Turn to the PGM mode.
2. Enter **0** **8** and press the **HELP** key. (Programming procedure and Preset message list is issued.)
3. Follow these steps in the list.

Preset message and graphic print sample

New Year
Sale
1st Anniversary
10% OFF

— Preset message 1st. line
— Preset message 2nd. line
— Preset message 3rd. line
— Preset message 4th. line

— Preset graphic

Character manual input

This chapter shows the procedures to program department / PLU descriptors, store messages, key descriptos, report title, total descriptor (such as gross total, net total...) and clerk name.

The characters you entered by the character keyboard or multi-tapping keyboard, can be programmed.

The "Entering characters" section shows how to enter characters, and the "Programming descriptors and messages by entering characters" shows how to program the entered characters to each memory.

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 multi tapping method. In the first half of this section, the usage of character keyboard is described. In the latter half, inputting method by multi tapping is described.

Using character keyboard
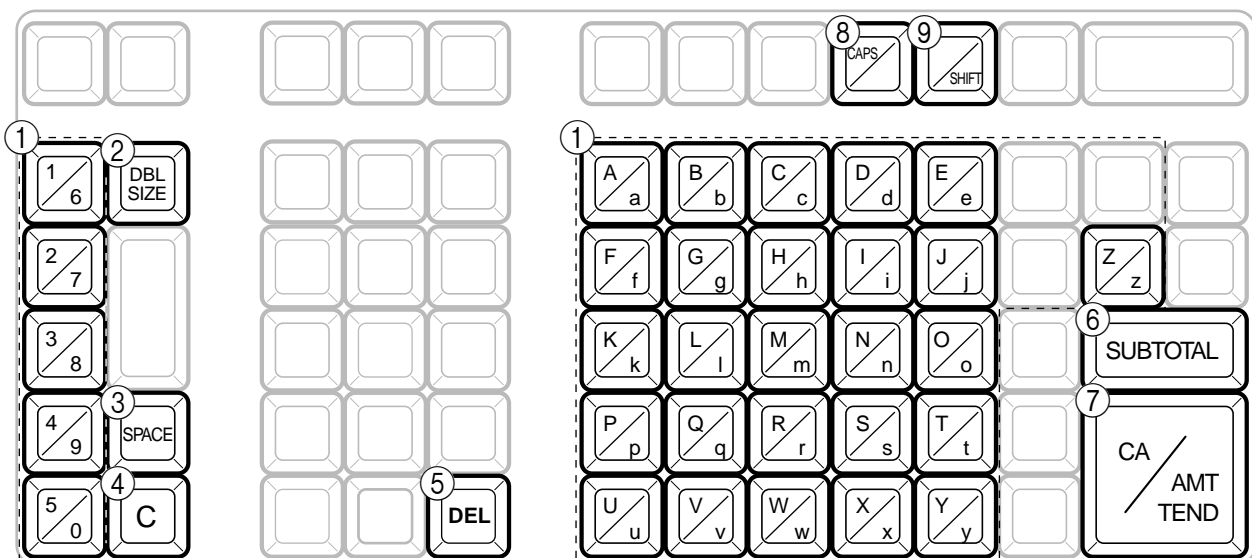
① **Alphabet keys**
Used input to characters.

② **Double size letter key**
Specifies that the next characters you input to double size characters. After completion of inputting double size character, press this key for normal size character.

③ **Space key**
Set a space by depression.

④ **Clear key**
Clears all input characters in the programming.

⑤ **Delete key**
Clears the last input character, much like a back space key.

⑥ **Program end key**
Terminates the character programming.

⑦ **Character enter key**
Registers the programmed characters.

⑧ **CAPS key**
Pressing this key shifts the character from the lowercase letter to upper case letter.

⑨ **Shift key**
Pressing this key shifts the character from the uppercase letter to lower case letter.

Example:
Input " A p p l e J u i c e ",
enter <DBL><A> <DBL><Shift><p> <p> <l> <e> <Space> <CAPS><J> <Shift><u> <i> <c> <e> .

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Entering characters by multi tapping

When you enter characters by this method, you need to press each key repeatedly until the desired character appears.

Multi tapping keyboard
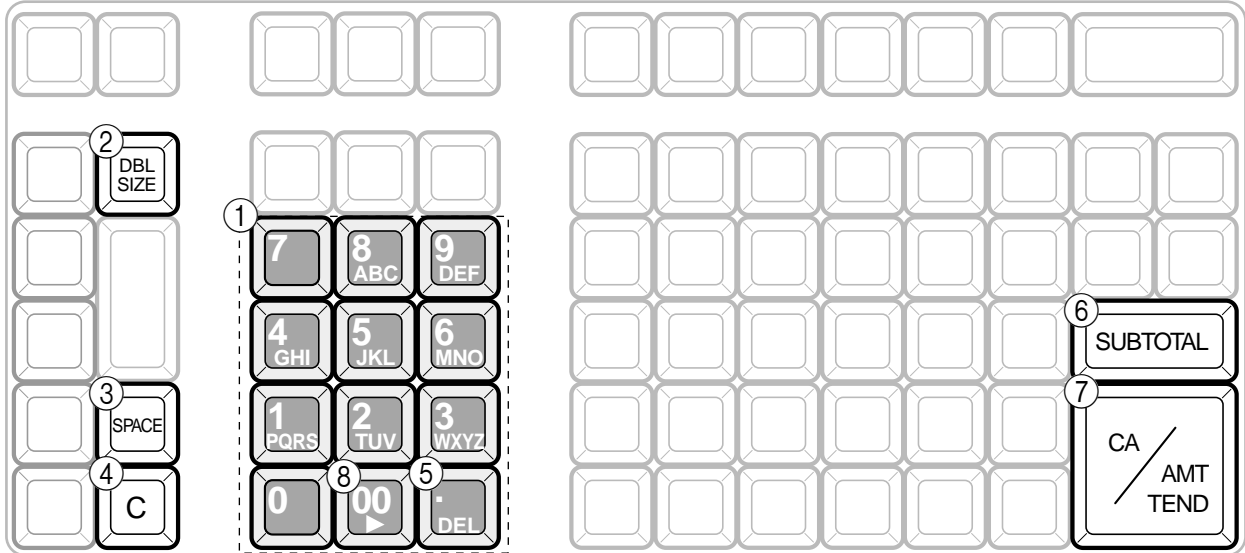
① **Alphabet keys**

Used input to characters.

Key	Text
7	7 @ − / : ! ? ¨ ( ) ＊ ♯ ＋ , ^ ; 〈 ＝ 〉 $ ¥ % & [ ] ’ { ¦ } · ” ∶ ＼ _ ‘ £ × ¿ ¡ € § (space)
8	A B C a b c 8 Ä Å Æ Á Â À Ã Ç â ä à å æ á ã ç
9	D E F d e f 9 Đ É Ê Ë È ə é ê ë ƒ
4	G H I g h i 4 Í Î Ï Ì ï î ì í ı
5	J K L j k l 5
6	M N O m n o 6 Ñ Ö ø Ó Ô Ò Õ ñ ô ö ò ¢ ó õ
1	P Q R S p q r s 1 Þ þ ß
2	T U V t u v 2 Ü Ú Û Ù ü û ù ú µ
3	W X Y Z w x y z 3 Ý ÿ ÿ
0	O
00	(Right cursor)
.	(Delete)

② **Double size letter key**

Specifies that the next characters you input to double size characters. After completion of inputting double size character, press this key for normal size character.

③ **Space key**

Set a space by depression.

④ **Clear key**

Clears all input characters in the programming.

⑤ **Delete key**

Clears the last input character, much like a back space key.

⑥ **Program end key**

Terminates the character programming.

⑦ **Character enter key**

Registers the programmed characters.

⑧ **Right cursor key**

Move the cursor to the right by one to enter a character on the same tapping key.

Example:

Input " C L A S S a " ,

enter " <DBL> **8** **8** **8** **5** **5** **5** <DBL> **8** **1** **1** **1** **1** **00** **1** **1** **1** **1** <Space> **8** **8** **8** **8** " .

Programming descriptors and messages by entering characters

The following descriptors and messages can be programmed;
- Report descriptor (such as gross total, net total, cash in drawer…)
- Grand total
- Special character (such as mode symbol, taxable symbol…)
- Read/reset report title
- Clerk name
- PLU item descriptor

- Messages (Logo, commercial and bottom message)
- Function key descriptor
- Department key descriptor

Programming PLU descriptor

To a new (not sequential) PLU

To the next PLU

PGM Mode switch → **2** [SUB TOTAL] → PLU No. [PLU] → Characters [CA/AMT TEND] → [SUB TOTAL]

☞ See "Entering characters" section, on page 53, 54.
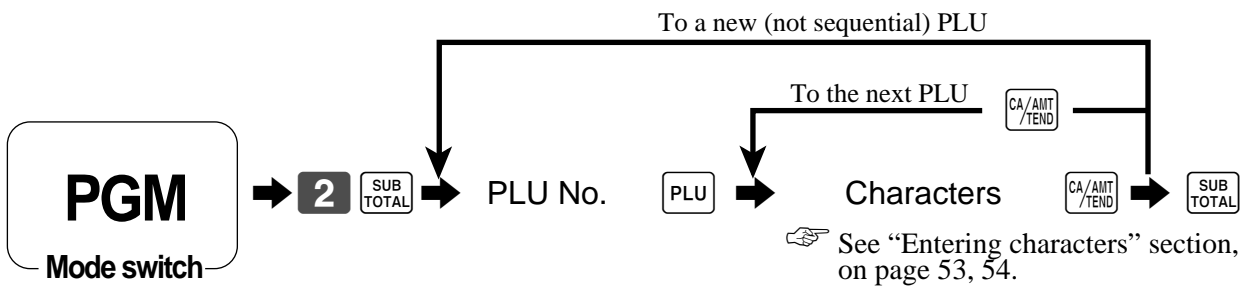
PLU No.	Contents	Initial character	Yours
0001	PLU0001	PLU0001	
0002	PLU0002	PLU0002	
0003	PLU0003	PLU0003	
0004	PLU0004	PLU0004	
0005	PLU0005	PLU0005	
0006	PLU0006	PLU0006	
0007	PLU0007	PLU0007	
0008	PLU0008	PLU0008	
0009	PLU0009	PLU0009	
0010	PLU0010	PLU0010	
0011	PLU0011	PLU0011	
0012	PLU0012	PLU0012	
0013	PLU0013	PLU0013	
0014	PLU0014	PLU0014	
0015	PLU0015	PLU0015	
0016	PLU0016	PLU0016	
0017	PLU0017	PLU0017	
0018	PLU0018	PLU0018	
0019	PLU0019	PLU0019	
0020	PLU0020	PLU0020	
0021	PLU0021	PLU0021	
0022	PLU0022	PLU0022	
0023	PLU0023	PLU0023	
0024	PLU0024	PLU0024	
0025	PLU0025	PLU0025	
0026	PLU0026	PLU0026	
0027	PLU0027	PLU0027	
0028	PLU0028	PLU0028	
0029	PLU0029	PLU0029	
0030	PLU0030	PLU0030	

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Programming department / function key descriptor

To other key

PGM
Mode switch

→ **2** [SUB TOTAL] → *1 (Appropriate key) → Character [CA/AMT TEND] → [SUB TOTAL]

☞ See "Entering characters" section, on page 53, 54.
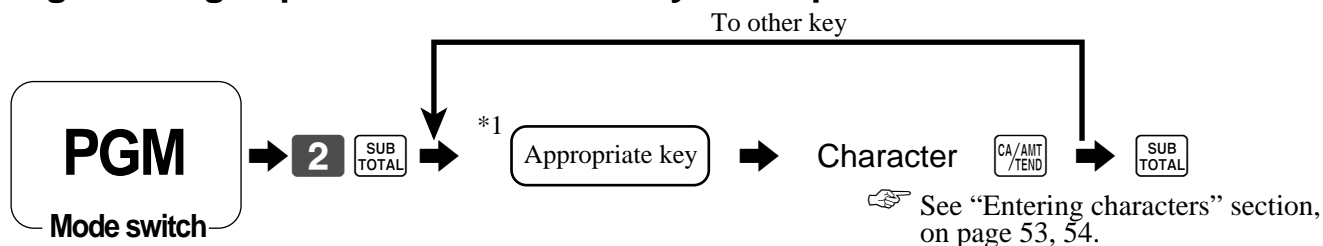
*1 Appropriate key: In case of shifting department, press <DEPT SHIFT> key first.

Function key

Contents	Initial character	Yours
Cash/amount tendered	CASH	
Charge	CHARGE	
Check	CHECK	
Credit	CREDIT	
Received on account	RC	
Paid out	PD	
Minus	–	
Discount	%–	
Premium	%+	
Receipt on/off	RCT ON/OFF	
Post receipt	RCT	
Refund	RF	
Error correct/Cancel	CORR	
Sign off	SIGN-OFF	
Open	OPEN	
Department shift	SHIFT/No	
Multiplication/For/Date time	QT	
Tax shift 1	T/S1	
Tax shift 2	T/S2	
Non-add / No sale	#/NS	
Currency exchange	CE	

Department key

Contents	Initial character	Yours
Department 001	DEPT001	
Department 002	DEPT002	
Department 003	DEPT003	
Department 004	DEPT004	
Department 005	DEPT005	
Department 006	DEPT006	
Department 007	DEPT007	

Programming message

To a new message record

To the next message record

PGM Mode switch → 2 [SUB TOTAL] → ☐☐ 3 2 [SUB TOTAL] → Characters → [CA/AMT /TEND] → [SUB TOTAL]

Memory No.

☞ See "Entering characters" section, on page 53, 54.
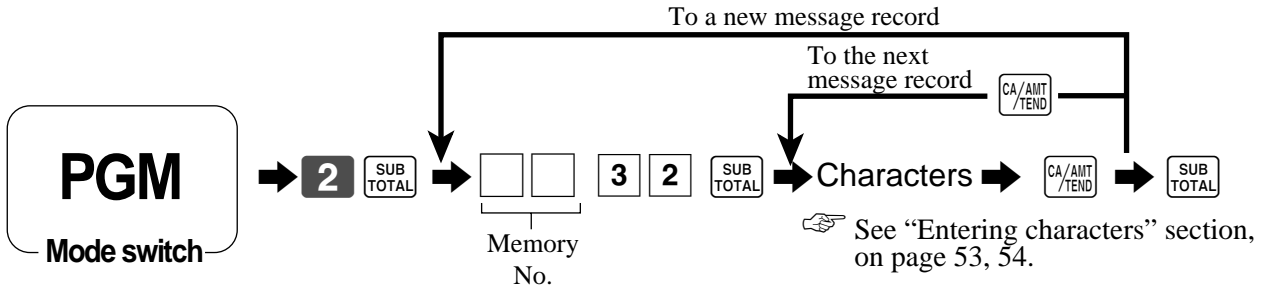
Receipt message

Refer to "(message control)" on page 64.

Memory No.	Contents	Initial character	Yours
01	1st line of logo message	YOUR RECEIPT	
02	2nd line of logo message	THANK YOU	
03	3rd line of logo message	CALL AGAIN	
04	4th line of logo message		
05	1st line of commercial message		
06	2nd line of commercial message		
07	3rd line of commercial message		
08	4th line of commercial message		
09	1st line of bottom message		
10	2nd line of bottom message		
11	3rd line of bottom message		
12	4line of bottom message		
:	:		
25	(not used)	DUPLICATE RECEIPT	
:	:		
40	Australian GST message 1st. line	TAX INVOICE	
41	Australian GST message 2nd. line	* INDICATES	
42	Australian GST message 3rd. line	TAXABLE SUPPLY	

Programming Clerk name

To a new clerk

PGM Mode switch → 2 [SUB TOTAL] → Clerk No. [CLK#] → Characters [CA/AMT /TEND] → [SUB TOTAL]

☞ See "Entering characters" section, on page 53, 54.
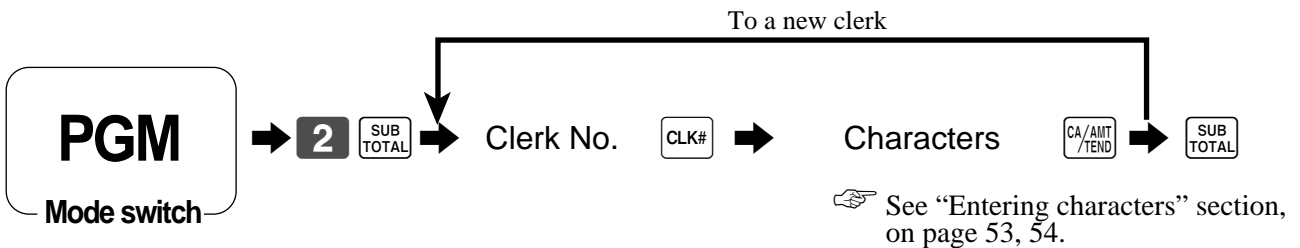
Clerk name

Clerk No.	Contents	Initial character	Yours
01	Clerk 01	C01	
02	Clerk 02	C02	
03	Clerk 03	C03	
04	Clerk 04	C04	
		C05	

Advanced Operations and Setups

Advanced Operations and Setups

Programming other descriptors

To other program code

To the next memory No.

CA/AMT /TEND

PGM Mode switch → **2** SUB TOTAL → ▢▢ ▢▢ SUB TOTAL → Characters → CA/AMT /TEND → SUB TOTAL

Memory No.   Program code

☞ See "Entering characters" section, on page 53, 54.

Report descriptor

Memory No.	Program code	Contents	Initial character	Yours
01	01	Gross total	GROSS	
02		Net total	NET	
03		Cash in drawer	CAID	
04		Charge in drawer	CHID	
05		Check in drawer	CKID	
06		Credit 1 in drawer	CRID(1)	
07		Credit 2 in drawer	CRID(2)	
08		Credit 3 in drawer	CRID(3)	
09		Credit 4 in drawer	CRID(4)	
10		Cash in drawer for sub currency	CAID2	
11		Charge in drawer for sub currency	CHID2	
12		Check in drawer for sub currency	CKID2	
17		Refund mode total	RF	
18		Customer count	CUST	
19		Average sales per customer	AVER	
20		Clerk commision 1 total	C-1	
21		Clerk commision 2 total	C-2	
22		Foreign currency cash in drawer	CECA1	
23		Foreign currency check in drawer	CECK1	
26		Reduction	DC	
27		Coupon	COUPON	
28		Item return	REF	
29		Rounding for sub currency	ROUND	
30		Rounding	ROUND	
31		Cancellation	CANCEL	
33		Taxable amount 1	TA1	
34		Tax 1	TX1	
35		Taxable amount 2	TA2	
36		Tax 2	TX2	
37		Taxable amount 3	TA3	
38		Tax 3	TX3	
39		Taxable amount 4	TA4	
40		Tax 4	TX4	
41		Non taxable amount	NON TAX	

Grand total, special character

Memory No.	Program code	Contents	Initial character	Yours
01		main currency symbol (2), @ (2), No. (2), split pricing (2), not used (4), sub currency symbol (2)	$@ No/ **	
02		No. of item sold (2), No. of customer (2), not used (6), multiplication display (2)	NoCT @LB *QT	
03		multiplication (6) not used (6)	BUSY	
04		taxable symbol 1 (3 each) for tax 1, tax 2, tax 3, tax 4	T1 T2 T3 T4 T5	
06		taxable symbol 3 (3 each) for tax 1/2, tax 1/3, not used, not used, tax 2/3	T12 T13 T14 T23	
08	23	foreign currency (2 each), not used (8)	* * * * *	
09		mode symbol 1 (4 each) REG1/2, RF, not used	REG RF R⌐	
10		mode symbol 2 (4 each) PGM, Daily X, Daily Z, Periodic	PnX Z XZ	
11		mode symbol 3 (4 each) not used, PGM read	TRG PGMX	
12		decimal: amount/q'ty, separator (main/sub) (1 each), not used (3), square (7)	.,.,.,. X	
13		A.M., P.M. (3 each), ST displayed on the dot display (2)	AM PM ST	
16		display subtotal symbol (ST key) (16)	ST	
17		subtotal discount / premium symbol (16)	ST	
18		post receipt total symbol (16)	TL	
19		change symbol (16)	CG	
01	20	Grand total (16)	GT	

Report title

Memory No.	Program code	Contents	Initial character	Yours
01		Fixed total report title	FIX	
02		Transaction key report title	TRANS	
03		PLU sales report title	PLU	
04		Department sales report title	DEPT	
05	24	Group sales report title	GROUP	
06		Clerk sales report title	CASHIER	
08		Hourly sales report title	HOURLY	
09		Monthly sales report title	MONTHLY	
16		Financial report title	FLASH	

Advanced Operations and Setups

Advanced Operations and Setups

Machine feature program

General control program

Programming procedure

PGM Mode switch → **3** [SUB TOTAL] → ☐☐ **2** **2** [SUB TOTAL] → ☐☐ ~ ☐☐ [CA/AMT /TEND] → [SUB TOTAL]

Address code (2 digits)　　Program data (Max. 10 digits)
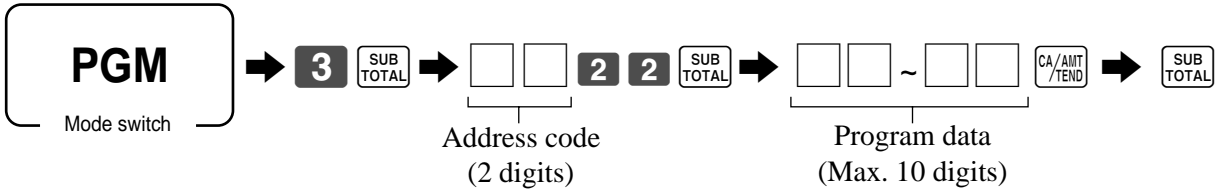
Program data (by address code)

Address code 02 (machine number)

Description	Choice	Program code	Initial value
Machine number	Significant numbers	☐ ☐ ☐ ☐ D_4 D_3 D_2 D_1	0 0 0 0 D_4 D_3 D_2 D_1

Address code 03 (consecutive number)

Description	Choice	Program code	Initial value
Reset consecutive number after daily reset report is issued.	Yes = 0 No = 1	☐ D_8	0 D_8
Always "00000000"		0 ~ 0 D_7 ~ D_1	0 ~ 0 D_7 ~ D_1

Address code 04 (tax system)

Description	Choice	Program code	Initial value
Tax system U.S. tax system = 1, Canadian tax system = 2	Significant number	☐ D_9	1 or 2 (U.S.) (Canada) D_9
Always "00000000"		0 ~ 0 D_8 ~ D_1	0 ~ 0 D_8 ~ D_1

E **60**

Address code 05 (print control for receipt)

Description		Choice	Program code	Initial value
Print total line during finalization.	a	Yes = 0 / No = 1	$(a+b)$ D_{10}	0 $(a+b)$ D_{10}
Time system: ① 24 hour system, ② 12 hour system	b	① = 0 / ② = 2		
Buffered receipt print *1		No = 0 / Yes = 2	D_9	0 D_9
Skip item lines on journal. (journal skip)		No = 0 / Yes = 1	D_8	0 D_8
Always "000"			0 0 0 D_7 D_6 D_6	0 0 0 D_7 D_6 D_5
Print number of item sold. (item counter)	a	No = 0 / Yes = 1	$(a+b)$ D_4	0 $(a+b)$ D_4
Print tax symbols.	b	Yes = 0 / No = 2		
Always "00"			0 0 D_3 D_2	0 0 D_3 D_2
Always "0".			0 D_1	0 D_1

*1: Select "Yes" if you want to print receipts with watermarks.

Address code 06 (calculation & operation control)

Description		Choice	Program code	Initial value
Follow the taxable status and commission status of previous item when +/- operation is performed.	a	Yes = 0 / No = 1	$(a+b)$ D_{10}	0 $(a+b)$ D_{10}
Force a money declaration before read/reset operation.	b	No = 0 / Yes = 4		
Force to press [SUB TOTAL] before finalization	a	No = 0 / Yes = 1	$(a+b+c)$ D_9	0 $(a+b+c)$ D_9
Allow credit balance while finalization.	b	Yes = 0 / No = 2		
Allow multiple refund operation.	c	Yes = 0 / No = 4		
Affect the result of +/-, %+/%- to the item. (Net totalling)		No = 0 / Yes = 1	D_8	0 D_8
Include commission in net total.		Yes = 0 / No = 2	D_7	0 D_7
Clear the key buffer when a receipt is issued. (REG mode only)	a	No = 0 / Yes = 1	$(a+b+c)$ D_6	0 $(a+b+c)$ D_6
Sounds key catch tone.	b	Yes = 0 / No = 2		
Allow to issue post receipt, even if the original one is issued.	c	No = 0 / Yes = 4		
Always "00"			0 0 D_5 D_4	0 0 D_5 D_4
Always "0"			0 D_3	D_3
Use <00> key as <000> key.		<00> = 0 / <000> = 4	D_2	0 D_2
Always "0".			0 D_1	0 D_1

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Address code 08 (print control for fixed total report)

Description		Choice	Program code	Initial value
Print gross sales total on fixed total report (GROSS)	a	Yes = 0 No = 1	$\square$ (a+b+c) D_{10}	$\boxed{0}$ (a+b+c) D_{10}
Print net sales total on fixed total report (NET)	b	Yes = 0 No = 2		
Print cash in drawer total on fixed total report (CAID)	c	Yes = 0 No = 4		
Print charge in drawer total on fixed total report (CHID)		Yes = 0 No = 2	$\square$ D_9	$\boxed{0}$ D_9
Print check in drawer total on fixed total report (CKID)	a	Yes = 0 No = 1	$\square$ (a+b) D_8	$\boxed{0}$ (a+b) D_8
Print credit in drawer total on fixed total report (CRID(1)~(4))	b	Yes = 0 No = 4		
Always "0"			$\boxed{0}$ D_7	$\boxed{0}$ D_7
Print RF mode total on fixed total report (RF)		Yes = 0 No = 4	$\square$ D_6	$\boxed{0}$ D_6
Print the net number of customers on fixed total report (CUST)	a	Yes = 0 No = 1	$\square$ (a+b) D_5	$\boxed{2}$ (a+b) D_5
Print the average sales per customer on fixed total report (AVER)	b	Yes = 0 No = 2		
Always "0"			$\boxed{0}$ D_4	$\boxed{0}$ D_4
Print commission 1 total on fixed total report (C-1)	a	Yes = 0 No = 1	$\square$ (a+b+c) D_3	$\boxed{7}$ (a+b+c) D_3
Print commission 2 total on fixed total report (C-2)	b	Yes = 0 No = 2		
Print foreign currency cash in drawer and check in drawer totals on fixed total report (CECA1~2, CECK1~2)	c	Yes = 0 No = 4		
Print <MINUS>, <COUPON>, <%–> and mix & match operation net total on fixed total report (DC)	a	Yes = 0 No = 1	$\square$ (a+b+c) D_2	$\boxed{3}$ (a+b+c) D_2
Print <REFUND> and <VOID> operation net total on fixed total report (REF)	b	Yes = 0 No = 2		
Print nontaxable totals on fixed total report (NON TAX)	a	Yes = 0 No = 1	$\square$ (a+b+c) D_1	$\boxed{3}$ (a+b+c) D_1
Print rounding totals on fixed total report (ROUND)	b	Yes = 0 No = 2		
Print cancellation total on fixed total report (CANCEL)	c	Yes = 0 No = 4		

Address code 10 (print control for taxable amount)

Description		Choice	Program code	Initial value
Print taxable amount 1 on receipt/journal.	a	Yes = 0 No = 1	$\square$ (a+b+c) D_{10}	$\boxed{0}$ (a+b+c) D_{10}
Print taxable amount 2 on receipt/journal.	b	Yes = 0 No = 2		
Print taxable amount 3 on receipt/journal.	c	Yes = 0 No = 4		
Print taxable amount 4 on receipt/journal.		Yes = 0 No = 1	$\square$ D_9	$\boxed{0}$ D_9
Always "00000000"			$\boxed{0}$ ~ $\boxed{0}$ D_8 ~ D_1	$\boxed{0}$ ~ $\boxed{0}$ D_8 ~ D_1

Address code 14 (currency exchange control)

Description		Choice	Program code	Initial value
Monetary mode of CECA1 and CECK1 in fixed total report:		Significant number (0 ~ 9)	D_8	0 D_8
Decimal for CECA1 and CECK1 in fixed total report: ① Period = 0, ② Comma = 1	a	① = 0 ② = 1	(a+b) D_7	(a+b) 0 D_7
Separator for CECA1 and CECK1 in fixed total report: ① Comma = 0, ② Period = 1	b	① = 0 ② = 4		
Monetary mode of CECA2 and CECK2 in fixed total report:		Significant number (0 ~ 9)	D_6	0 D_6
Decimal for CECA2 and CECK2 in fixed total report: ① Period = 0, ② Comma = 1	a	① = 0 ② = 1	(a+b) D_5	(a+b) 0 D_5
Separator for CECA2 and CECK2 in fixed total report: ① Comma = 0, ② Period = 1	b	① = 0 ② = 4		
Always "0000"			0 0 0 0 D_4 D_3 D_2 D_1	0 0 0 0 D_4 D_3 D_2 D_1

Address code 15 (print control for reports)

Description		Choice	Program code	Initial value
Zero skip department report.	a	Yes = 0 No = 1	(a+b) D_{10}	(a+b) 0 D_{10}
Zero skip clerk report.	b	Yes = 0 No = 2		
Zero skip transaction report.	a	Yes = 0 No = 1	(a+b+c) D_9	(a+b+c) 0 D_9
Zero skip PLU report.	b	Yes = 0 No = 2		
Zero skip hourly report.	c	Yes = 0 No = 4		
Zero skip group report.		Yes = 0 No = 1	D_8	0 D_8
Always "00"			0 0 D_7 D_6	0 0 D_7 D_6
Print PLU number on the PLU report.		No = 0 Yes = 4	D_5	0 D_5
Print sales ratio.	a	No = 0 Yes = 1	(a+b) D_4	(a+b) 0 D_4
Issue double Z report.	b	No = 0 Yes = 2		
Always "000"			0 0 0 D_3 D_2 D_1	0 0 0 D_3 D_2 D_1

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Address code 16 (print control for grand total)

Description		Choice	Program code	Initial value
Print consecutive number range of the day on daily fixed total report.		No = 0 Yes = 1	☐ D_7	0 D_7
Always "00000"			0 ~ 0 $D_6 \sim D_2$	0 ~ 0 $D_6 \sim D_2$
Print grand total on daily sales reset report.		Yes = 0 No = 1	☐ D_1	0 D_1

Address code 17 (print control)

Description		Choice	Program code	Initial value
Print date on journal.	a	Yes = 0 No = 2	☐ (a+b) D_4	0 (a+b) D_4
Print consecutive number on receipt/journal.	b	Yes = 0 No = 4		
Print time on receipt.	a	Yes = 0 No = 1	☐ (a+b) D_3	0 (a+b) D_3
Print time on journal.	b	Yes = 0 No = 2		
Always "00"			0 0 D_2 D_1	0 0 D_2 D_1

Address code 19 (receipt control)

Description	Choice	Program code	Initial value
Print receipt in double-height characters.	No = 0 Yes = 1	☐ D_7	0 D_7
Always "000000"		0 ~ 0 $D_6 \sim D_1$	0 ~ 0 $D_6 \sim D_1$

Address code 21 (message control)

Description		Choice	Program code	Initial value
Print graphic type logo. (If select "No", character type logo is printed.)	a	No = 0 Yes = 2	☐ (a+b) D_{10}	0 (a+b) D_{10}
Print watermark on receipt.	b	Yes = 0 No = 4		
Always "000"			0 0 0 D_9 D_8 D_7	0 0 0 D_9 D_8 D_7
Print commercial message on receipts in REG/RF mode.	a	No = 0 Yes = 1	☐ (a+b) D_6	0 (a+b) D_6
Print bottom message on receipts in REG/RF mode.	b	No = 0 Yes = 2		
Always "0000"			0 0 0 0 D_5 D_4 D_3 D_2	0 0 0 0 D_5 D_4 D_3 D_2
Always "0"			0 D_1	0 D_1

Address code 27 (clerk control)

Description	Choice	Program code	Initial value
Enable clerk function.	No = 0 Yes = 4	☐ D_9	0 D_9
Always "00000000"		0 ~ 0 D_8 ~ D_1	0 ~ 0 D_8 ~ D_1

Address code 30 (thermal printer control)

Description		Choice	Program code	Initial value
Print preset receipt message and graphic	a	No = 0 Yes = 1	☐ (a+b) D_5	0 (a+b) D_5
Print preset receipt message and graphic: ① at the bottom of the receipt / ② at the top of the receipt	b	① = 0 ② = 2		
Journal compressed print (print by half height characters)		Yes = 0 No = 1	☐ D_4	0 D_4
Always "000"			0 0 0 D_3 D_2 D_1	0 0 0 D_3 D_2 D_1

Address code 34 (backlight control)

Description	Choice	Program code	Initial value
Backlight	Available = 0 Not available = 1	☐ D_4	0 D_4
Always "000"		0 0 0 D_3 D_2 D_1	0 0 0 D_3 D_2 D_1

Advanced Operations and Setups

Key function program

Department key/PLU program (Batch feature programming)
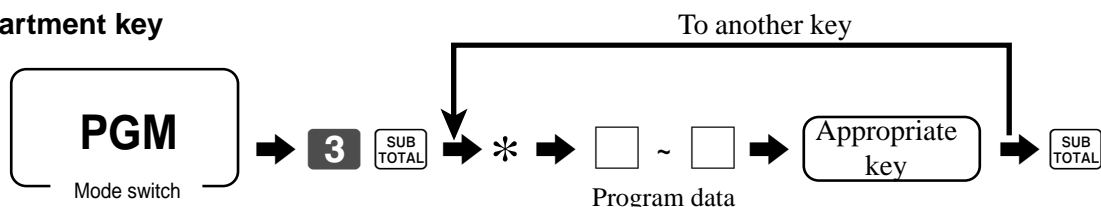
Programming procedure

Department key

To another key

$$\boxed{\text{PGM} \atop \text{Mode switch}} \rightarrow \boxed{3} \rightarrow \boxed{\text{SUB TOTAL}} \rightarrow * \rightarrow \boxed{} \sim \boxed{} \rightarrow \boxed{\text{Appropriate key}} \rightarrow \boxed{\text{SUB TOTAL}}$$

Program data

*: In case of shifting department, press <DEPT SHIFT> key first.

PLU

To a new (not sequential) PLU

Different program to the next PLU

$$\boxed{\text{PGM} \atop \text{Mode switch}} \rightarrow \boxed{3} \rightarrow \boxed{\text{SUB TOTAL}} \rightarrow \text{PLU No.} \atop \text{(Rec No. 4 digits)} \rightarrow \boxed{\text{PLU}} \rightarrow \boxed{} \sim \boxed{} \rightarrow \boxed{\text{CA/AMT TEND}} \rightarrow \boxed{\text{SUB TOTAL}}$$
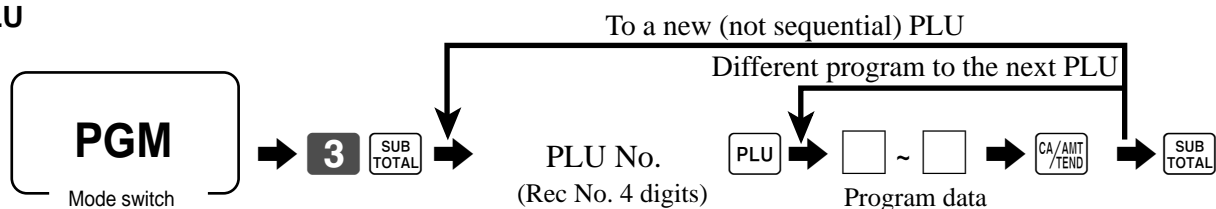
Program data

Program data

Description		Choice	Program code	Initial value
Single item control: Normal receipt = 0, Single item receipt = 3		Significant number	$\boxed{}$ D_{12}	$\boxed{0}$ D_{12}
Always "0"			$\boxed{0}$ D_{11}	$\boxed{0}$ D_{11}
Always "0"			$\boxed{0}$ D_{10}	$\boxed{0}$ D_{10}
Always "0"			$\boxed{0}$ D_{9}	$\boxed{0}$ D_{9}
Taxable status: See page 68.			$\boxed{}\boxed{}$ D_8 D_7	$\boxed{}\boxed{}$ D_8 D_7
Enable 0 unit price.	a	No = 0 Yes = 1	$\boxed{}$ (a+b+c) D_6	$\boxed{0}$ (a+b+c) D_6
Enable negative price.	b	No = 0 Yes = 2		
Hash	c	No = 0 Yes = 4		
Always "0"			$\boxed{0}$ D_5	$\boxed{0}$ D_5
Low digit limitation (LDL) for manually entered unit price.		Significant number	$\boxed{}$ D_4	$\boxed{0}$ D_4
Open PLU (only for PLU)		No = 0 Yes = 4	$\boxed{}$ D_3	$\boxed{0}$ D_3
Commission 1	a	No = 0 Yes = 1	$\boxed{}$ (a+b) D_2	$\boxed{0}$ (a+b) D_2
Commission 2	b	No = 0 Yes = 2		
Always "0"			$\boxed{0}$ D_1	$\boxed{0}$ D_1

Department key/PLU program (Individual feature programming)
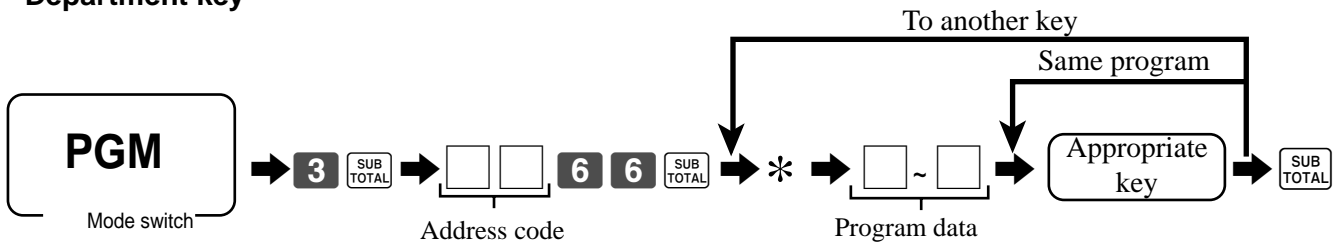
Programming procedure

Department key

To another key

Same program

PGM
Mode switch → **3** [SUB TOTAL] → □□**6 6** [SUB TOTAL] → ∗ → □~□ → Appropriate key → [SUB TOTAL]

Address code   Program data

∗: In case of shifting department, press <DEPT SHIFT> key first.

PLU

To a new (not sequential) PLU

Different program to the next PLU

Same program

PGM
Mode switch → **3** [SUB TOTAL] → □□**6 6** [SUB TOTAL] → PLU No. [PLU] → □~□ → [CA/AMT /TEND] → [SUB TOTAL]

Address code   Program data

67 E
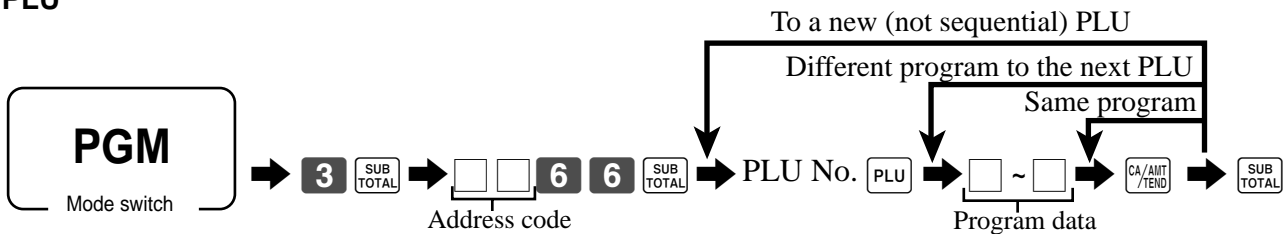
Advanced Operations and Setups

Program data (by address code)

Address code 11 (link)

Description	Choice	Program code
Link group record number: (000 ~ 999)	Significant numbers	☐ ☐ ☐ D_7 D_6 D_5
Always "0"		0 D_4
Link department record number: (000 ~ 999) (only for PLU)	Significant numbers	☐ ☐ ☐ D_3 D_2 D_1

Address code 15 (high amount limit)

Description	Choice	Program code
High amount limit for entering unit price manually.	Significant numbers	☐ ☐ ☐ ☐ ☐ ☐ D_6 D_5 D_4 D_3 D_2 D_1

Other address code

Address code	Description		Choice	Program code
18	Single item control: Normal receipt = 0, Single item receipt = 3		Significant number	☐
03	Taxable status: See page 68.		Significant numbers	☐ ☐ D_2 D_1
05	Enable 0 unit price.	a	No = 0 Yes = 1	☐ (a+b+c)
	Enable negative price.	b	No = 0 Yes = 2	
	Hash	c	No = 0 Yes = 4	
07	Low digit limitation (LDL) for manually entered unit price.		Significant number	☐
04	Open PLU (Only for PLU)		No = 0 Yes = 4	☐
09	Commission 1	a	No = 0 Yes = 1	☐ (a+b)
	Commission 2	b	No = 0 Yes = 2	

Taxable status

for the U.S.

Always "0"			0 D_8
Taxable 1 status	a	No = 0 Yes = 1	☐ (a+b+c) D_7
Taxable 2 status	b	No = 0 Yes = 2	
Taxable 3 status	c	No = 0 Yes = 4	

for Canada

Always "0"		0 D_8
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_7

Transaction key program

Programming procedure
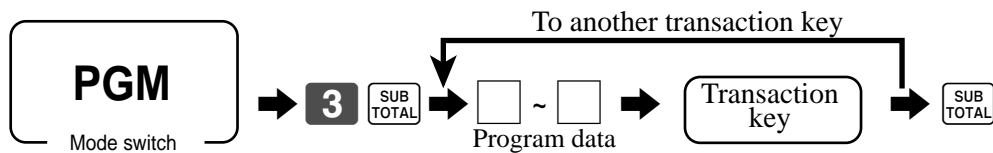
Program data

<CASH>, <CHARGE>, <CHECK>

Description		Choice	Program code
Prohibit entry of a partial payment	a	No = 0 Yes = 1	$\square$ (a+b+c) D_7
Prohibit the entry of the amount tendered.	b	No = 0 Yes = 2	
Force entry of the amount tendered.	c	No = 0 Yes = 4	
Print VAT breakdown. [1]		No = 0 Yes = 1	$\square$ D_6
Always "0"			$\square$ D_5
High amount limit specification for subtotal and tendering amounts.		Maximum value (0 ~ 9)	$\square$ $\square$ D_4 D_3
		Number of zeros (0 ~ 9)	
High amount limit specification for change amount due.		Maximum value (0 ~ 9)	$\square$ $\square$ D_2 D_1
		Number of zeros (0 ~ 9)	

*1 This is valid option for Single item or Currency exchange (include partial tender) as well.

<RECEIVED ON ACCOUNT>, <PAID OUT>

Description	Choice	Program code
High amount limit specification for entering amounts	Maximum value (0 ~ 9)	$\square$ $\square$ D_4 D_3
	Number of zeros (0 ~ 9)	
Always "00"		0 0 D_2 D_1

Advanced Operations and Setups

<REDUCTION (MINUS)>

Description		Choice	Program code
Taxable status: See page 68.			D_8 D_7
Allow credit balance. (–, CPN only)		No = 0 Yes = 1	D_6
Always "00"		No = 0 Yes = 2	0 0 D_5 D_4
High digit limitation (HDL) for manually entered unit price ("9" means NOT allow manual entry.)			D_3
Commission 1	a	Significant number	(a+b) D_2
Commission 2	b	No = 0 Yes = 1	
Always "0"		No = 0 Yes = 2	0 D_1

<PREMIUM (%+)>, <DISCOUNT (%-)>

Description		Choice	Program code
Taxable status: See page 68.			D_8 D_7
Prohibit manual rate override.		No = 0 Yes = 2	D_6
Rounding: Round off = 0, cut off = 1, round up = 2		Significant number	D_5
Always "00"			0 0 D_4 D_3
Commission 1	a	No = 0 Yes = 1	(a+b) D_2
Commission 2	b	No = 0 Yes = 2	
Always "0"			0 D_1

<NON-ADD (#)/NO SALE>

Description	Choice	Program code
Allow mode change or clerk change after non-add registration as first transaction. (only for non-add function)	Yes = 0 No = 1	D_7
Always "0000"		0 0 0 0 D_6 D_5 D_4 D_3
Always "00"		0 0 D_2 D_1

<SUBTOTAL>, <MERCHANDISE SUBTOTAL>

Description	Choice	Program code
Print when key is pressed.	No = 0 Yes = 4	D_6
Always "00000"		0 0 0 0 0 D_5 D_4 D_3 D_2 D_1

\<CURRENCY EXCHANGE>

Description		Choice	Program code
Define amount symbol. (0, 1 ~ 2) ("0" means local currency symbol.)		Significant number	☐ D_7
Define foreign currency totalizer. (0, 1 ~ 2) ("0" treats as "1".)		Significant number	☐ D_6
Rounding: Round off = 0, cut off = 1, round up = 2		Significant number	☐ D_5
Always "0"			0 D_4
Monetary mode (0 ~ 9): $\mathit{0.00}$ = 2, $\mathit{0.0}$ = 1, $\mathit{0}$ = 0, $\mathit{0.000}$ = 3		Significant number	☐ D_3
Monetary symbol for decimal	a	Decimal = 0 Comma = 1	☐ (a+b) D_2
Monetary symbol for separator	b	Comma = 0 Decimal = 4	
Always "0"			0 D_1

\<MULTIPLICATION / FOR>

Description	Choice	Program code
Multiplication procedure: (\<X> only) ① Quantity × Amount, ② Amount × Quantity	① = 0 ② = 1	☐ D_6
Rounding: Round off = 0, cut off = 1, round up = 2	Significant number	☐ D_5
Always "0000"		0 0 0 0 D_4 D_3 D_2 D_1

\<TAX SHIFT>

Description	Choice	Program code
Taxable status (00, 01 ~ 04) ("00" means taxable 1.)	Significant numbers	☐ ☐ D_8 D_7
Always "000000"		0 0 0 0 0 0 D_6 D_5 D_4 D_3 D_2 D_1

Advanced Operations and Setups

<CREDIT>

Description		Choice	Program code
Prohibit entry of a partial payment	a	No = 0 Yes = 1	
Prohibit the entry of the amount tendered.	b	No = 0 Yes = 2	(a+b+c) D_7
Force entry of the amount tendered.	c	No = 0 Yes = 4	
Print VAT breakdown.		No = 0 Yes = 1	D_6
Always "0"			0 D_5
High amount limit specification for subtotal and tendering amounts.		Maximum value (0 ~ 9)	D_4 D_3
		Number of zeros (0 ~ 9)	
Always "0"			0 D_2
Specify credit in drawer total in the fixed totalizer.		Significant number (0 ~ 4)	D_1

Clerk program

Clerk number, check number programming

Programming procedure

To a new (not sequential) clerk

To the next clerk

PGM → 3 SUB/TOTAL → ☐☐ 0 7 SUB/TOTAL → ☐☐ ~ ☐☐ → CA/AMT/TEND → SUB/TOTAL

Mode switch

Record No.
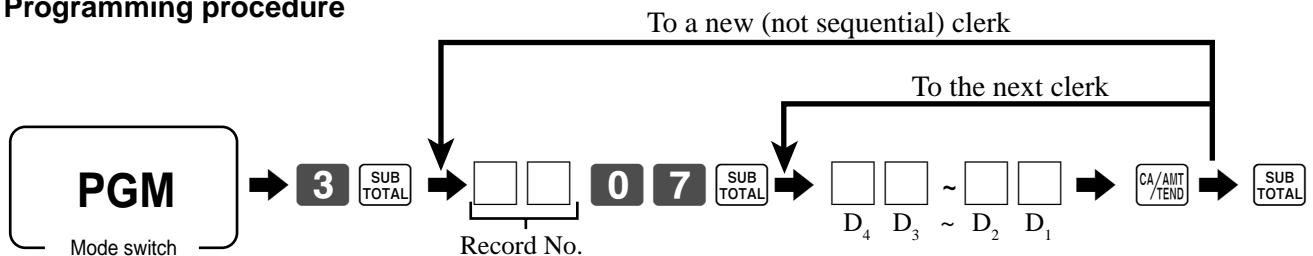
D_4 D_3 ~ D_2 D_1

Program Data

Description	Choice	Program code
Clerk secret number	Significant numbers	D_4 D_3 D_2 D_1

Clerk other programming

Programming procedure (individual)

To a new (not sequential) clerk

To the next clerk

| **PGM** (Mode switch) | → | **3** SUB TOTAL | → | ☐☐ **0 7** SUB TOTAL (Record No.) | → | ☐☐ SUB TOTAL (Address code) | → | ☐ ~ ☐ CA/AMT /TEND (Program data) | → | SUB TOTAL |
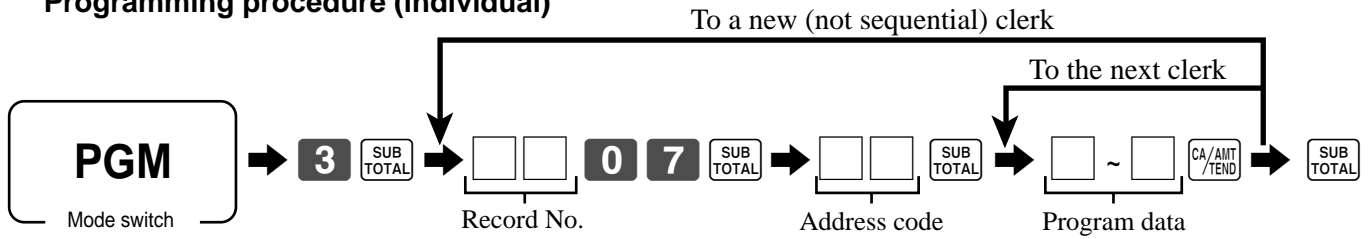
Program data

Address code 67 (Clerk control)

Description	Choice	Program code
Training clerk	No = 0 Yes = 1	☐ D_6
Always "00000"		0 ~ 0 $D_5 \sim D_1$

Address code 68 (Commission rate)

Description	Choice	Program code
Commission rate 1 (integer: 00 ~ 99)	Significant numbers	☐☐ D_8 D_7
Commission rate 1 (decimal: 00 ~ 99)	Significant numbers	☐☐ D_6 D_5
Commission rate 2 (integer: 00 ~ 99)	Significant numbers	☐☐ D_4 D_3
Commission rate 2 (decimal: 00 ~ 99)	Significant numbers	☐☐ D_2 D_1

Advanced Operations and Setups

Advanced Operations and Setups

Printing read/reset reports

• Daily sales read report ("X" 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 ("Z" 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 read report

This report shows sales for specific departments or PLUs.

OPERATION	DISPLAY

1. Turn to X mode.

Mode switch

```
X   NEXT:RC
DAILY X
                0.00
```
RPT   T1 T2 T3 T4 TOTAL CHANGE
                    AMOUNT
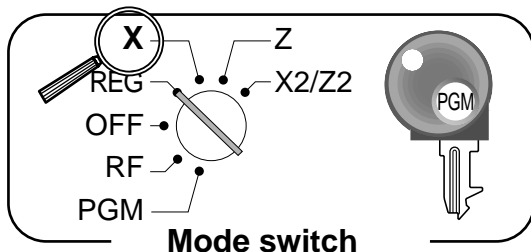
2. Specify a department / PLU .

REPORT

- • Specifying a department
  `1`, `2`, `DEPT# DEPT SHIFT` `3` ...
- • Specifying a PLU
  `1` `PLU`, `1` `0` `PLU` ...

3. Press <ST> to exit this report.

```
X     INDIVIDUAL            ── Read symbol/report title

DEPT001           38        ── Department Name/No. of items
   8.13%       $257.53      ── Sales ratio/amount
PLU0001           17        ── PLU Name/No. of items
   0.53%        $17.00      ── Sales ratio/PLU amount
 #0001                      ── PLU code

────────────────────────
TL              88.61       ── Total No. of items
             $516.10        ── Total amount
```

To print daily read reports

You can select the appropriate report shown in the display.

OPERATION	DISPLAY

1. Turn to X mode.

Mode switch

```
X  NEXT:RC
DAILY X
                0.00
RPT        T1  T2  T3  T4  TOTAL CHANGE
              AMOUNT
```

2. Select report you want to get by the <RC> key.

```
X  NEXT:RC
HOURLY
                0.00
RPT        T1  T2  T3  T4  TOTAL CHANGE
              AMOUNT
```

3. Press <CASH> to print report. *1

*1 If money declaration is necessary, count how much cash is in the drawer and input this amount (up to 10 digits) and press <#/NS> key.
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 and Setups

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Advanced Operations and Setups

To print daily reset reports

You can select the appropriate report shown in the display.

OPERATION	DISPLAY

1. Turn to Z mode.

```
Z  NEXT:RC
DAILY Z
            0.00
```

2. Select report you want to get by the <RC> key.

```
Z  NEXT:RC
HOURLY
            0.00
```

3. Press <CASH> to print report. *1

*1 If money declaration is necessary, count how much cash is in the drawer and input this amount (up to 10 digits) and press <#/NS> key.

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.

Read / reset report sample

Daily report

```
------------------------
Z    DAILY                    — Report title
------------------------
Z    DEPT          0001        — Department report title/reset counter
                 0001015       — Report code

DEPT001         38            — Department name/No. of items *2
   8.13%      $257.53          — Sales ratio/amount *2
                 183
------------------------
              $1,362.26
------------------------
TL            88.61            — Total No. of items
           $1,916.10           — Total amount
------------------------
Z    FIX           0001        — Fixed total report title/reset counter *4
                 0001011       — Report code

DECLA       $6,919.04          — Declared cash in drawer of main currency *1
                 $0.00          — Difference (= declared - accumulated) *1

GROSS         981.25
           $6,574.40           — Gross total *3
NET      No   111
           $7,057.14           — Net total *3
CAID        $6,919.04          — Cash in drawer *3
CHID         $139.04           — Charge in drawer *3
CKID         $859.85           — Check in drawer *3
CRID(1)      $709.85           — Credit in drawer 1 *3
CRID(2)        $0.00           — Credit in drawer 1 *3
CRID(3)        $0.00           — Credit in drawer 1 *3
CRID(4)        $0.00           — Credit in drawer 1 *3
------------------------
RF       No    3
               $10.22          — Refund mode *3
CUST     CT   111             — Customer number *3
AVRG         $63.57           — Average sales per customer *3
```

```
DC            $1.22            — Discount total *3
REF           $2.42            — Refund key *3
ROUND         $0.00            — Rounding total *3
CANCEL   No    2              — Cancellation *3
              $12.97
------------------------
TA1        $2,369.69           — Taxable 1 amount *3
TX1          $128.86           — Tax 1 amount *3
TA2        $2,172.96           — Taxable 2 amount *3
TX2          $217.33           — Tax 2 amount *3
------------------------
GT   $00000000125478.96        — Grand total *3
------------------------
Z    TRANS         0001        — Function key report title/reset counter
                 0001012       — Report code
CASH     No   362             — Function key count/amount *2
           $1,638.04
CHARGE   No    56
           $1,174.85
RC       No    4
             $810.00
PD       No    5
             $520.00
               $5.00
CORR     No   14
              $39.55
RCT      No    3
NS             5
------------------------
Z    CASHIER       0001        — Clerk report title/reset counter
                 0001017       — Report code

C01        ...........1        — Clerk name
NET      No   111             — Net total
           $1,845.35
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.

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Advanced Operations and Setups

Flash report

```
X    FLASH
             0000071

DECLA       $6,919.04
              $0.00
GROSS        111.15
            $7,054.14
NET       No  120
            $7,263.20
CAID        $6,919.04
```

- Read symbol/report title
- Report code
- Main currency declared amount
- Difference
- Gross total
- Net total
- Cash in drawer

PLU report

```
X    PLU
             0000014

PLU0001        17
   0.53%      $17.00
 #0001
PLU0100        42
              $69.00

 #0100
------------------------
TL           188.61
            $516.10
```

- Read symbol/report title
- Report code
- PLU name/No. of items
- Sales ratio/PLU amount
- PLU code
- Total No. of items
- Total amount

Hourly report

```
X    HOURLY
             0000019

00:00->01:00
           CT      1
GROSS          $1.10
NET       No      1
   1.90%       $1.20

23:00->00:00
           CT      1
GROSS          $3.45
NET       No      1
   3.90%       $3.59
------------------------
TL         CT    280
GROSS        $1,937.61
NET       No     25
            $2,096.80
```

- Read symbol/report title
- Report code
- Time range
- No. of customers
- Gross sales amount
- No. of receipt
- Sales ratio/net sales amount
- Total No. of customers
- Gross total amount
- Total No. of receipt
- Net total amount

Monthly 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

Group 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 and Setups

• Periodic sales read report ("X2" mode)
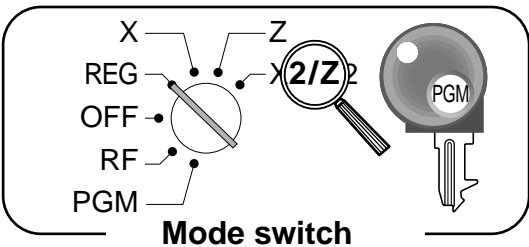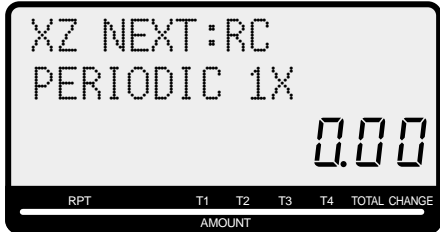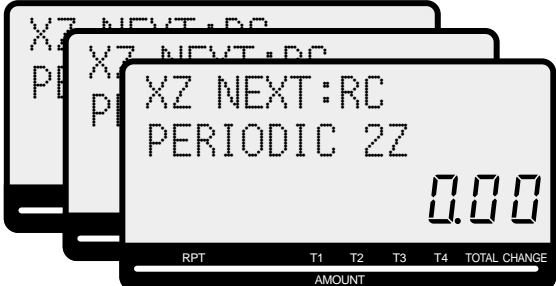
You can print read reports at any time during the business day without affecting the data stored in the cash register's memory.

• 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	DISPLAY

1. Turn to X2/Z2 mode.

Mode switch

```
XZ NEXT:RC
PERIODIC 1X
            0.00
RPT    T1  T2  T3  T4  TOTAL CHANGE
          AMOUNT
```

2. Select report you want to get by the <RC> key.

```
XZ NEXT:RC
PERIODIC 2Z
            0.00
RPT    T1  T2  T3  T4  TOTAL CHANGE
          AMOUNT
```

3. Press <CASH> to print report.

```
----------------------
ZZ1   PERIODIC 1Z             ── Report title
----------------------
ZZ1   DEPT         0001        ── Department report title/reset counter
              0001115          ── Report code

DEPT001           38           ── Department Name/No. of items *1
   8.13%       $257.53         ── Sales ratio/amount *1
DEPT002           18
           $1,362.26
----------------------
TL               88.61         ── Total No. of items
           $1,916.10           ── Total amount
----------------------
ZZ1   FIX          0001        ── Fixed total report title/reset counter
              0001111          ── Report code

GROSS            981.25        ── Gross total *2
           $6,574.40
NET        No     111          ── Net total *2
           $7,057.14
CAID       $6,919.04           ── 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 1 *2
CRID(2)        $0.00           ── Credit in drawer 2 *2
CRID(3)        $0.00           ── Credit in drawer 3 *2
CRID(4)        $0.00           ── Credit in drawer 4 *2
----------------------
RF         No      3
             $10.22            ── Refund mode *2
CUST       CT    111           ── Customer number *2
AVRG         $63.57            ── Average sales per customer *2
DC            $1.22            ── Discount total *2
REF           $2.42            ── Refund key *2
ROUND         $0.00            ── Rounding total *2
CANCEL     No      2
             $12.97            ── Cancellation *2
----------------------
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
```

```
----------------------
ZZ1   TRANS        0001        ── Function key report title/reset counter
              0001112          ── 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
               $5.00
CORR       No     14
             $39.55
RCT        No      3
NS                 5
----------------------
ZZ1   CASHIER      0001        ── Clerk report title/reset counter
              0001117          ── Report code

C01        .............1      ── Clerk name
NET        No    111           ── Net total
           $1,845.35

C02        .............1      ── Clerk name
```

*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 and Setups

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Advanced Operations and Setups

Reading the cash register's program

To print unit price/rate program (except PLU)

OPERATION	REPORT

1. Turn to PGM mode.
2. Enter <1> and press <ST> key.
3. Press <ST> key.

```
P01....................          ── Program read symbol

CASH              @0.00
-                 @1.00          ── Transaction key unit price or rate
%                   10%


DEPT001          0001-05         ── Department descriptor/rec-#/05
                  @1.00          ── Unit price
DEPT002          0002-05
```

To print key descriptor, name, message program (except PLU)

OPERATION	REPORT

1. Turn to PGM mode.
2. Enter <2> and press <ST> key.
3. Press <ST> key.

```
P02....................          ── Program read symbol

GROSS            0001-01
NET              0002-01
CAID             0003-01         ── Fix total character
                 0004-01

CASH             0001-02
CHECK            0002-02         ── Transaction key character
RA               0003-02
                 0004-02

DEPT001          0001-05
DEPT002          0002-05         ── Department character
DEPT003          0003-05
                 0004-05

GROUP01          0001-06
GROUP02          0002-06         ── Group character
GROUP03          0003-06
                 0004-06

C01              0001-07
C02              0002-07         ── Clerk character
                 0003-07

GT               0001-20         ── GT character

 ·  @No/  **  €  0001-23
NoCT @LB *QT     0002-23         ── Special character
X    BUSY        0003-23
```

```
FIX              0001-24         ── Report header character
TRANS            0002-24
                 0003-24
                 0004-24

DAILY X          0001-29         ── Batch X/Z character
PERIODIC 1X      0002-29
PERIODIC 2X      0003-29
                 0004-29

0001-32
YOUR   RECEIPT                   ── Receipt message
0002-32
   THANK   YOU

0001-39
CHARACTER RECALL********         ── Text recall character
****************
0002-39
          ************

MC#01            0001-91

                 0001-97
```

To print the machine program (except PLU)

OPERATION	REPORT

1. Turn to PGM mode.
2. Enter <3> and press <ST> key.
3. Press <ST> key.

```
P03...................        — Program read symbol

CASH              0001-02     — Transaction key program
         00000000000000       — Key character/rec-#/file-#
CHECK             0002-02     — Key program
         00000000000000
PD                0003-02
         00000000000000

DEPT001           0001-05     — Department program
         00000000000000       — Key character/rec-#/file-#
 11-66            00000000     — Key program
 15-66               @1.23     — Address code 11 program
                  0002-05      — Address code 15 program

 C01              0001-07      — Clerk program
         0001000001            — Clerk name/rec-#/file-#
 67        0000000000          — Clerk #/secret-#
 60          00000000          — Compulsory
                  0002-07      — Commission rate

0001-09   00:00 -> 01:00      — Time range program
0002-09   01:00 -> 02:00
          00:00 -> 03:00

0001-22   2200000000          — General control program
0002-22   0000000000
0003-22   0000000000

0001-28
0002-28

0001-25                       — Tax table
TX1              10.25%
TX1               0000
TX1               5003

DAILY X           0001-29
00       11-12-17-15-00       — Batch X/Z program
         00-00-00-00-00
PERIODIC 1X       0002-29
01       11-12-17-15-00
         00-00-00-00-00
```

```
0001-30                       — Clerk detail link program
 NET              0001-01
                  0020-01
                              — Arrangement program
0001-38           000001      — Rec-#/file-#/arrange no.
REG1             204-000      — Key descriptor/rec-#/file-#
1                001-000
2                002-000
DEPT001          026-051
CASH             013-001

0001-62           000000      — Scheduler program
         00000000000000
           0000000000

MC#01             0001-91
           00000000

0001-98   00000000000000      — I/O parameter table
0002-98   00000000000000
```

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Advanced Operations and Setups

To print the PLU unit price

OPERATION   **REPORT**

1. Turn to PGM mode.
2. Enter <6> and press <ST> key.
3. Enter <104> and press <ST> key.
4. Enter <start rec-#> and <CA> key.
5. Enter <end rec-#> and <CA> key.

```
P01...................          — Program read symbol

     #0001 - #0010             — PLU range
PLU0001            0001-04      — PLU descriptor/rec-#/04
                    @1.00       — Unit price

PLU0002            0002-04
                    @2.00
```

To print the PLU descriptor

OPERATION   **REPORT**

1. Turn to PGM mode.
2. Enter <6> and press <ST> key.
3. Enter <204> and press <ST> key.
4. Enter <start rec-#> and <CA> key.
5. Enter <end rec-#> and <CA> key.

```
P02...................          — Program 2 mode symbol

     #0001 - #0010             — PLU range
PLU0001            0001-04      — PLU character
PLU0002            0002-04
                   0003-04
```

To print the PLU program

OPERATION   **REPORT**

1. Turn to PGM mode.
2. Enter <6> and press <ST> key.
3. Enter <304> and press <ST> key.
4. Enter <start rec-#> and <CA> key.
5. Enter <end rec-#> and <CA> key.

```
P03...................          — Program 3 mode symbol

     #0001 - #0010             — PLU range
PLU0001            0001-04      — PLU descriptor/rec-#/file-#
          00000000000000       — Address code 01 ~ 10, 18 program
   11-66            000000      — Address code 11 program
   13-66       <-  0001-28      — Address code 13 program
   14-66                 0
   15-66         @1234.56       — Address code 15 program
PLU0002            0002-04
```

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 [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	The signed on clerk differs from the clerk performed the tracking check registration.	Input correct check number or assign the proper clerk number.
E004	Error INIT/FC	Initialization or unit lock clear operation in progress.	Complete operation.
E008	Please sign on	Registration without entering a clerk number.	Enter a clerk number.
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.
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 attempted without entering the number of customer.	Enter the number of customer.
E021	No DEPT Link	No department linked PLU is registered.	Correct the program.
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.
E031	Press ST key	Finalization of a transaction attempted without confirming the subtotal.	Press <SUBTOTAL>.
E033	Enter tendered 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 paidout 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.
E046	REG buffer full	Registration buffer full.	Finalize the transaction.
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.
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.

Troubleshooting

Error code	Message	Meaning	Action
E101	PLU maintenance file full. Press <#2> to exit	Scanning PLU direct maintenance/batch maintenance file becomes full.	Terminate the maintenance.
E103	PLU Code is not exist. Input the PLU Code	PLU code is not existed in the file.	Enter proper PLU code.
E105	PLU file full	Scanning PLU file full	Modify the designated item.
E106	Item exists in the PLU FILE	The designated item has already existed in the scanning PLU file.	
E112	Close the journal platen arm	The journal platen arm is opened.	Close the journal platen arm.
E114	Close the receipt platen arm	The receipt platen arm is opened.	Close the receipt platen arm.
E139	Negative balance is not allowed	Attempt to register <–> or <CPN> when the balance becomes negative.	Enter proper minus/coupon amount.
E146	Arrangement file full	Arrangement file is full.	Set the arrangement properly.
E200	Insert RAC	RAC is set.	Set RAC.
E201	Illegal Format	Illegally formatted RAC	Format the RAC.
E202	File not found	The designated file is not found in the RAC.	Enter proper file name.
E205	File already exist.	Can not write, because designated file has already been in the RAC.	Check the operation and retry.

When the cash drawer does not open!

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).
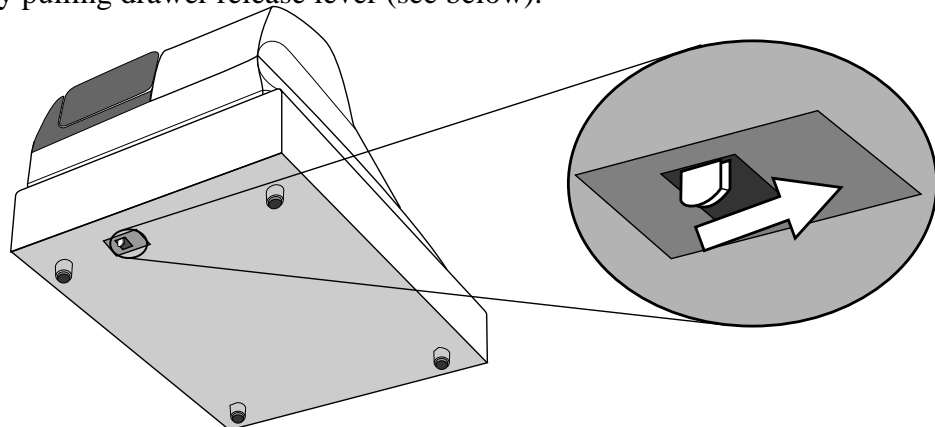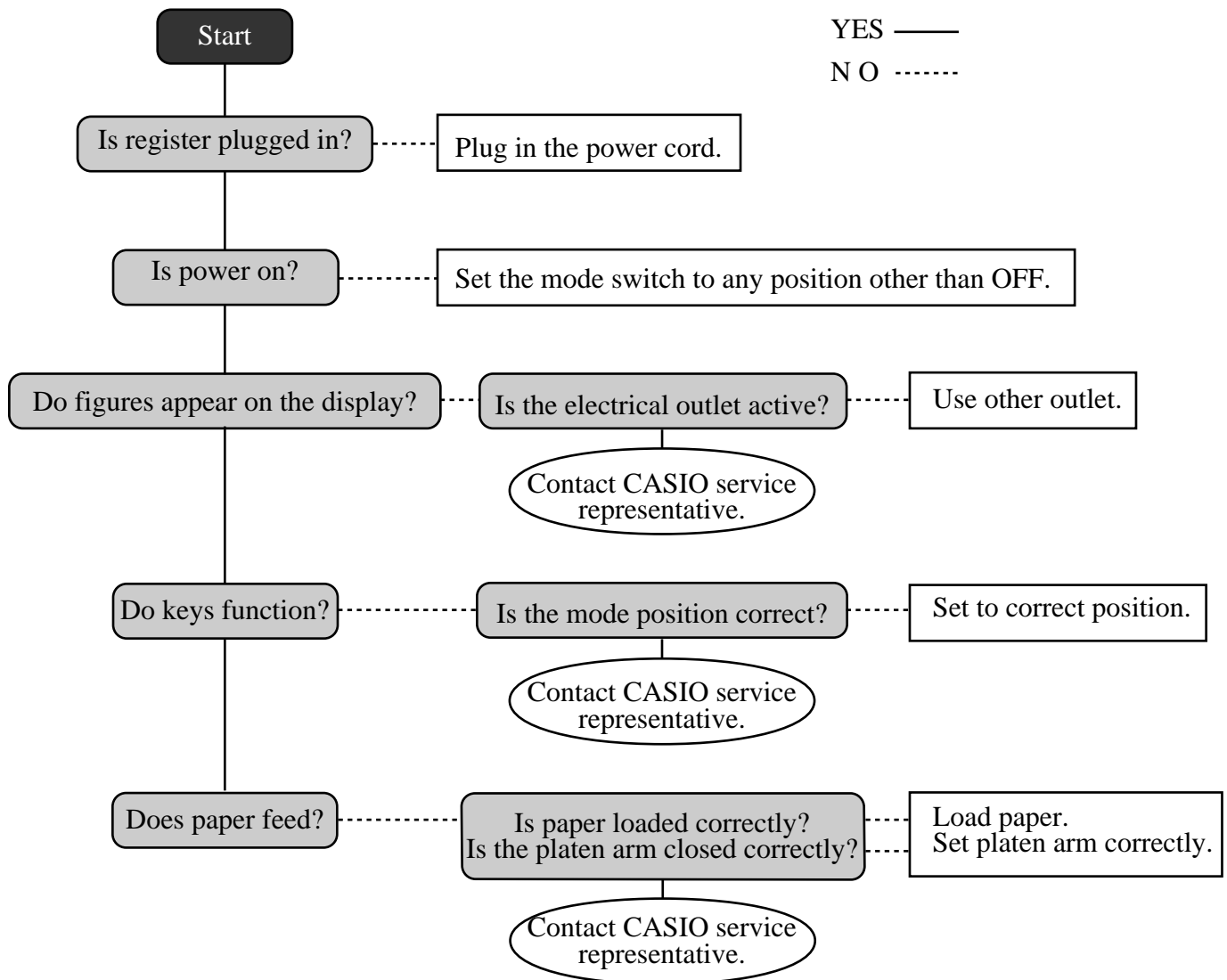

Important!

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

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Troubleshooting

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

YES ——
N O -------

Is register plugged in? -------- Plug in the power cord.

Is power on? -------- Set the mode switch to any position other than OFF.

Do figures appear on the display? -------- Is the electrical outlet active? -------- Use other outlet.

Contact CASIO service representative.

Do keys function? -------- Is the mode position correct? -------- Set to correct position.

Contact CASIO service representative.

Does paper feed? -------- Is paper loaded correctly? Is the platen arm closed correctly? -------- Load paper. Set platen arm correctly.

Contact CASIO service representative.

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 0.00, then release [RECEIPT FEED].
5 Press [SUB TOTAL], then issue a receipt.

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 ongoing transaction as well as all sales data in memory are protected by the memory backup batteries. (This is the reason to install the 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 / 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.

Important!

Once receipt / journal printing or printing of a report starts, it can be stopped only by interruption of power to the cash register.

When the L sign appears on the display

About the low battery indicator…

The following shows the low battery indicator.
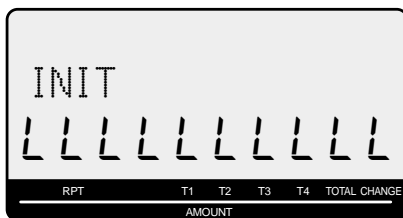
If this indicator appears when you switch the cash register on, it can mean one of three things:
• No memory backup batteries are loaded in the cash register.
• The power of the batteries loaded in the unit is below a certain level.
• The batteries loaded in the unit are dead.

Important!

Whenever the low battery indicator appears on the display, load a set of two new batteries as soon as possible. If there is a power failure or you unplug the cash register when this indicator appears, you will lose all of your sales data and settings.
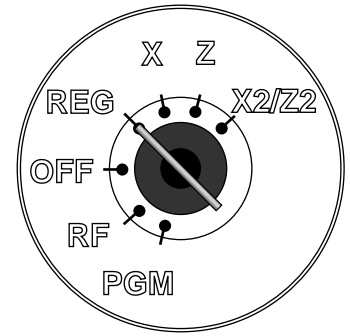
**BE SURE TO KEEP THE POWER CORD OF THE CASH REGISTER
PLUGGED IN WHENEVER YOU REPLACE THE BATTERIES.**

To replace journal paper

Step 1

Set the mode switch to the REG position and remove the printer cover.

Step 2

Press [JOURNAL FEED] to feed about 20 cm of paper.

Step 3

Cut the journal paper at the point where nothing is printed.

Step 4

Remove the journal take-up reel from its holder.

Step 5

Remove the paper guide from the take-up reel.

Step 6

Slide the printed journal from the take-up reel.

Step 7

Open the platen arm.

Step 8

Remove the old paper roll from the cash register.

Step 9

Load new paper.

Go to the step 3 described on page 12 of this manual.

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To replace receipt paper

Step 1

Set the mode switch to the REG position and remove the printer cover.

Step 2

Open the platen arm.

Step 3

Remove the old paper roll from the cash register.

Step 4

Load new paper.

Go to the step 3 described on page 11 of this manual.
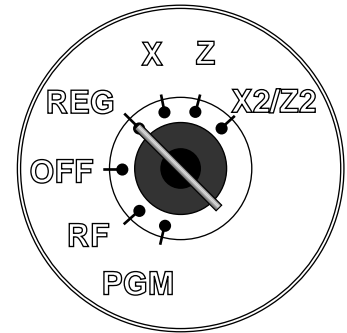
Options

P-5880T roll paper

WT-89 wetproof cover

The optional wetproof cover protects the keyboard from moisture damage.

Consult your CASIO dealer for details.

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Specifications

Input method
Entry: 10-key system, buffer memory 8 keys (2-key roll over)
Department: Full key system

Input method
    Entry: 10-key system, buffer memory 8 keys (2-key roll over)
    Department: Full key system

Display
    Main: Amount 10 digits (zero suppression); No. of repeats, total, change, transaction indicator
        Descriptor 16 digits $\times$ 2 lines; item descriptor, No. of items, mode, clerk name
    Customer: Amount 8 digits (zero suppression)

Printer
    Receipt: Thermal alpha-numeric system 24 digits, receipt on/off key
        Store name or slogan is printed automatically
    Journal: Thermal alpha-numeric system 24 digits
        Automatic take up roll winding
    Paper roll: 58 (W) $\times$ 80 (D) mm
    Paper thickness: 0.06 ~ 0.085 mm
    Paper feed: Separate for receipt and journal
    Print speed: About 14 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
    The effective service life of memory protection batteries (two new size AA alkaline batteries) is approximately one year from installation into the machine.

Power supply/power consumption
    See the rating plate.

Operation temperature
    0˚C ~ 40˚C (32˚F ~ 104˚F)

Humidity
    10 ~ 90%

Dimensions and weight
    213mm (H) $\times$ 400mm (W) $\times$ 450mm (D) / 10kg   …with medium size drawer
    (8.4" (H) $\times$ 15.7" (W) $\times$ 17.7" (D) / 22lbs.)

Category	No. of Totalizers	Contents				Periodic Totalizer
		Amount (10 digits)	No. of items (4 digits)	Count (4 digits)	No. of customers (4 digits)	
Department	200	✔ *1	✔ *3			✔
PLU	2000	✔ *1	✔ *3			
Hourly sales	24	✔ *1			✔ *4	
Monthly	31	✔ *1			✔ *4	
Clerk	50	✔ *1			✔ *4	
Transaction key & fix total	--	✔ *1 or	✔ *4 or	✔ *4 or	✔ *4	✔
Non resettable grand sales total	1	✔ *2				
Reset counter	8			✔ *4		✔
Consecutive No.	1			✔ *4		

*1: -9,999,999.99 ~ 99,999,999.99   *2: -999,999,999.99 ~ 9,999,999,999.99   *3: -999.99 ~ 9999.99   *4: 1 ~ 9999

Specifications and design are subject to change without notice.

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Specifications/Index

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LIMITED WARRANTY: ELECTRONIC CASH REGISTERS

This product, except the battery, is warranted by Casio to the original purchaser to be free from defects in material and workmanship under normal use for a period, from the data of purchase, of one year for parts and 90 days for labor. For one year, upon proof of purchase, the product will be repaired or replaced (with the same or a similar model) at Casio's option, at a Casio Authorized Service Center without charge for parts. Labor will be provided without charge for 90 days. The terminal resident software and programmable software, if any, included with this product or any programmable software which may be licensed by Casio or one of its authorized dealers, is warranted by Casio to the original licensee for a period of ninety (90) days from the date of license to conform substantially to published specifications and documentation provided it is used with the Casio hardware and software for which it is designed.

For a period of ninety (90) days, upon proof of license, Casio will, at its option, replace defective terminal resident software or programmable software, correct significant program errors, or refund the license fee for such software. Significant program errors will be significant deviations from written documentation or specifications. These are your sole remedies for any breach of warranty. In no event will Casio's liability exceed the license fee, if any, for such software. This warranty will not apply if the product has been misused, abused, or altered.

Without limiting the foregoing, battery leakage, bending of the unit, a broken display tube, and any cracks or breaks in the display will be presumed to have resulted from misuse or abuse. To obtain warranty service you must take or ship the product, freight prepaid, with a copy of the sales receipt or other proof of purchase and the date of purchase, to a Casio Authorized Service Center. Due to the possibility of damage or loss, it is recommended when shipping the product to a Casio Authorized Service Center that you package the product securely and ship it insured. CASIO HEREBY EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. NO RESPONSIBILITY IS ASSUMED FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION DAMAGES RESULTING FROM MATHEMATICAL INACCURACY OF THE PRODUCT OR LOSS OF STORED DATA. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. This warranty gives you specific rights, and you may also have other rights which vary from state to state.

CASIO, INC.
570 MOUNT PLEASANT AVENUE,
P. O. BOX 7000, DOVER, NEW JERSEY 07801 U.S.A.

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Address:...

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