

PCR-272

Electronic Cash Register



User's Manual

START-UP is QUICK and EASY!

Simple to use!

20 departments and 120 PLUs

Automatic Tax Calculations

Calculator function



CASIO COMPUTER CO., LTD.

6-2, Hon-machi 1-chome

Shibuya-ku, Tokyo 151-8543, Japan

CASIO®



Thank you very much for purchasing this CASIO electronic cash register. START-UP is QUICK and EASY!

Part-1 of this User's Manual can help you make a quick start.

Once you have mastered the QUICK START operations, you will undoubtedly want to expand your use of this machine by studying other sections of Part-2.

IMPORTANT

FOR PROGRAMMING ASSISTANCE
PLEASE CALL TOLL FREE

1-800-638-9228

CASIO Authorized Service Centers

If your CASIO product needs repair, or you wish to purchase replacement parts, please call 1-800-YO-CASIO.

Original Carton/Package

If for any reason, this product is to be returned to the store where purchased, it must be packed in the original carton/package.

Location

Locate the Cash register on a flat, stable surface, away from heaters or areas exposed to direct sunlight, humidity or dust.

Power Supply

Your cash register is designed to operate on standard household current (120 V, 50/60 Hz). Do not overload the outlet by plugging in too many appliances.

Cleaning

Clean the cash register exterior with a soft cloth which has been moistened with a solution of a mild neutral detergent and water, and wrung out. Be sure that the cloth is thoroughly wrung out to avoid damage to the printer.

Never use paint thinner, benzene, or other volatile solvents.

The mains 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.

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 short circuit, 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 short circuit, 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.

Power plug and AC outlet



Use only a proper AC electric outlet. 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.

INTRODUCTION

Warning!



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.



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 short circuit, 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 short circuit 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.



At least once a year, unplug the power plug and use a dry cloth or vacuum cleaner to clear dust from the area around the prongs of the power plug.

Never use detergent to clean the power cord, especially power plug.



Keep small parts out of the reach of small children to make sure it is not swallowed accidentally.

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Basic Components and Accessories



Accessories	
Roll paper	1 pc
Mode keys	OP key 1 pc
	PGM key 1 pc
Drawer keys	2 pcs
User's manual	1 pc
Magnetic plate*	1 pc

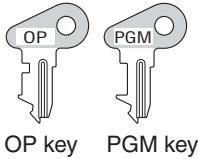
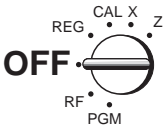
* Use this plate for tacking the notes received from customer.

Weld lines

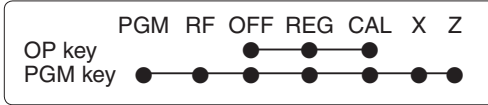
Lines may be visible on the exterior of the product. These are "weld lines" that result from the plastic molding process. They are not cracks or scratches.

Getting to know your cash register

Mode Switch



The position of the Mode Switch controls the type of operations you can perform on the cash register. The PROGRAM key (marked PGM) can select any Mode Switch setting, while OPERATOR key (marked OP) can be used to select OFF, REG or CAL only.



OFF

In this position, the power of the cash register is off.

REG (Register)

This is the position used for registration of normal transactions.

RF (Refund)

This is the position used for registration of refunds.

CAL (Calculator)

This is the position used for calculator mode.

PGM (Programming)

This is the position used to program the cash register to suit the needs of your store.

X (Read)

This is the position used to produce reports of daily sales totals without clearing the totals.

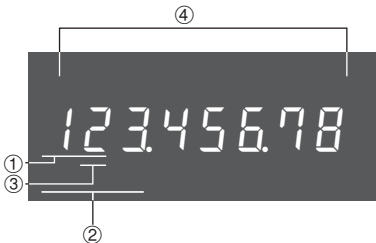
Z (Reset)

This is the position used to produce reports of daily sales totals. This setting clears the totals.

Note:

An error is generated (E01 displayed) whenever the position of the Mode Switch is changed during registration.

Display



① Department Number Display

Anytime you press a department key to register a unit price, the corresponding department number appears here.

② PLU Number Display

Anytime you perform a PLU registration, the corresponding PLU number appears here.

③ Number of Repeat Display

Anytime you perform "repeat registration" (page 12), the number of repeats appears here.

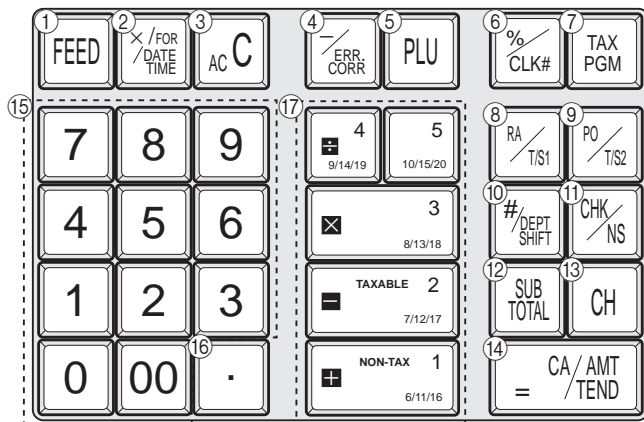
Note that only one digit is displayed for the number of repeats.

④ Numeric Display

Entered values (unit prices or quantities) and calculated values (subtotals, totals or change amount due) are displayed here. The capacity of the display is 8 digits.

This part of the display can be used to show the current time or date between registration (page 31).

Keyboard



Certain keys have two functions; one for register mode and one for calculator mode. In this manual, we will refer to specific keys as noted below to make the operations as easy to understand as possible:

Register Mode

- ① **FEED** Feed key
- ② **X/ FOR DATE TIME** Multiplication/Split pricing/Date Time key
- ③ **AC C** Clear key
- ④ **-/ ERR. CORR** Minus/Error Correction key
- ⑤ **PLU** PLU (Price Look Up) key
- ⑥ **%/ CLK#** Percent/Cashier ID No. Assignment key
- ⑦ **TAX PGM** Tax Program key
- ⑧ **RA / T/S1** Received on Account/Tax Status Shift 1 key
- ⑨ **PO / T/S2** Paid Out/Tax Status Shift 2 key
- ⑩ **#/ DEPT SHIFT** Reference Number/Department Shift key
- ⑪ **CHK / NS** Check/No Sale key
- ⑫ **SUB TOTAL** Subtotal key
- ⑬ **CH** Charge key
- ⑭ **= CA/ AMT / TEND** Cash Amount Tendered key
- ⑮ **0, 1, ~ 9, 00** Numeric keys and 2-zero key
- ⑯ **.** Decimal key
- ⑰ **+ 1, - 2, x 3, ÷ 4, 5** Department keys

- Department 6 through 20 are specified by pressing the **#/ DEPT SHIFT** key respectively as follows:

- #/ DEPT SHIFT** + **1** ~ **#/ DEPT SHIFT** + **5** → Department 6 ~ 10
- #/ DEPT SHIFT** + **1** ~ **#/ DEPT SHIFT** + **5** → Department 11 ~ 15
- #/ DEPT SHIFT** + **1** ~ **#/ DEPT SHIFT** + **5** → Department 16 ~ 20

Calculator Mode

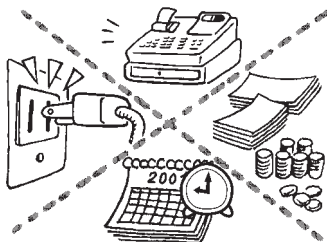
- ③ **AC C** AC key
- ⑤ **PLU** Memory Recall key
- ⑥ **%/ CLK#** Percent key
- ⑪ **CHK / NS** Drawer Open key
- ⑭ **= CA/ AMT / TEND** Equal key
- ⑮ **0, 1, ~ 9, 00** Numeric keys and 2-zero key
- ⑯ **.** Decimal key
- ⑰ **+ 1, - 2, x 3, ÷ 4** Arithmetic Operation key

Daily Job Flow



Before Opening The Store

1. Plugged in? Page-10
2. Enough Roll Paper? Page-31
3. Date and Time is correct? Page-31
4. Enough small change in the drawer? Page-32



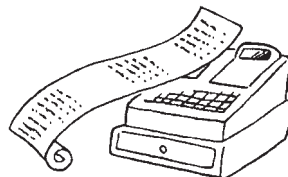
While The Store Is Open

1. Registrations. Page-12~
2. Issuing latest daily sales total if needed. (Generating report by Mode Switch to X position.) Page-15



After Closing The Store

1. Issuing Daily Sales Total. (Resetting report by Mode Switch to Z position.) Page-15
2. Picking up money in the drawer. Page-32
3. Turn the Mode Switch to OFF.

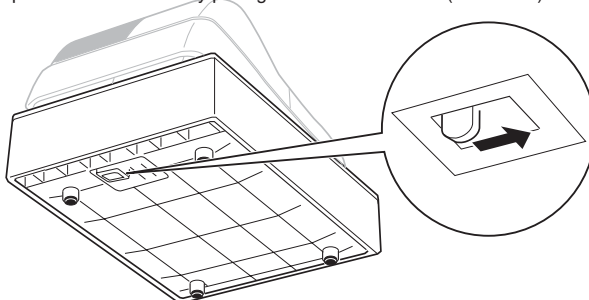


Other

1. Troubleshooting Page-36

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.

1. Initialization and Loading Memory Protection Battery

Important

You must initialize the Cash register and install the memory protection batteries before you can program the cash register.



(Figure 1)

► To initialize the cash register

1. Set the Mode Switch to OFF.
2. Load the memory protection batteries.
3. Plug the power cord of the cash register into an AC outlet.
4. Set the Mode Switch to REG.

► To load the memory protection batteries

1. Remove the printer cover.
2. Open the battery compartment cover.
3. Load 3 new SUM-3 ("AA") type batteries into the compartment. Be sure that the plus (+) and minus (-) ends of each battery are facing in the directions indicated by the illustrations inside the battery compartment (Figure 1).
4. Replace the memory protection battery compartment cover back into place.
5. Replace the printer paper and printer cover.

REPLACE MEMORY PROTECTION BATTERIES AT LEAST ONCE EVERY YEAR.

2. Loading Paper Roll And Replacing The Printer's Ink Roll

Mode Switch



1. To load journal paper

- ① Remove the printer cover by lifting up the back.



- ② Put a roll of journal paper into the holder.
- ③ Cut the leading end of the roll paper with scissors and insert the paper into the inlet.



- ④ Press the **FEED** key until 20 or 30 cm of paper is fed from the printer.
- ⑤ Roll the paper onto the take-up reel a few turns.



- ⑥ Set the left plate of the take-up reel and place the reel into the register.



- ⑦ Press the **FEED** key to take up any slack in the paper.
- ⑧ Replace the printer cover by placing the cover's front tab into the register's groove.



- ⑧ Load new paper following the instructions above, and replace the printer cover.

2. To remove journal paper

- ① Remove the printer cover following the instructions above.
- ② Press the **FEED** key until approximately 20cm of the paper is fed from the printer.
- ③ Cut off the roll paper.



- ④ Remove the take-up reel from the printer and take off the left plate of the reel.
- ⑤ Remove the journal paper from the take-up reel.



- ⑥ Cut off the paper left in the printer and press the **FEED** key until the remaining paper is fed out from the printer.



- ⑦ Remove the core of the paper.

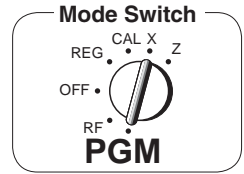
Default printer setting is for Journal. To print receipts, please refer to 1-7-3 on page 22 to switch the printer for Receipt or Journal.

▶ To load receipt paper



- ① To use the printer to print receipts, follow steps 1 through 4 of "To load journal paper".
- ② Pass the leading end of the receipt paper through the printer cover's paper outlet and replace the printer cover.
- ③ Tear off any excess paper.

Options: Roll paper – P-5860
Ink Roll – IR-40

3. Basic Programming for QUICK START

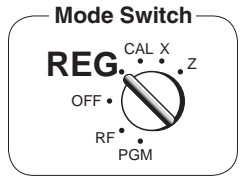


Part-1

Procedure	Purpose
1. Turn the mode switch to PGM position.	Programming
2. When the display shows blinking "0", such as  , enter current date in Month, Day, Year order. Example: January 8, 2010: enter 0 1 0 8 1 0 • Enter 6-digit, last 2 digits for year set. (2010 → 10) • By pressing AC C , this procedure returns one by one.	Setting the current date
3. When the display shows blinking "0", such as  , enter current time in Hour, Minute order. Example: 1:18 PM, enter 1 3 1 8 • Enter 4-digit, use 24-hour system. • By pressing AC C , this procedure returns one by one. • If you want to adjust the date/ time, please refer to page 31 of this manual.	Setting the current time
4. Input the desired flat tax rate to the appropriate department key. (This procedure below programs flat tax rate only. If your tax table has break points, refer to page 24 of this manual.) A) Press the TAX PGM key. B) Enter tax rate. (Example: For 6% enter "6", 5.75% enter "5.75".) C) Press the appropriate department key. D) Repeat step B) and C) to set other department key. E) Press the SUB TOTAL key to end tax programming. Note: In case of setting the wrong tax rate to the key, please enter 0 and press those department keys above, and quit this procedure by pressing SUB TOTAL key, and start from the beginning of this procedure. Please start with the department 2 key (taxable department). Department 1 key is initialized as non taxable.	Setting the tax rates
Example 1: Set state tax 4% to department 2, 3 key. TAX PGM Start tax program. 4 -2 Enter tax rate and press dept key. 4 × 3 Enter tax rate and press dept key. SUB TOTAL To end the setting.	Example 2: Set state tax 5% to department 2 and 7% to department 3 key. TAX PGM Start tax program. 5 -2 Enter tax rate and press dept key. 7 × 3 Enter tax rate and press dept key. SUB TOTAL To end the setting.

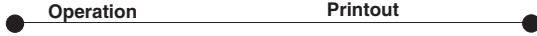
FOR PROGRAMMING ASSISTANCE, PLEASE CALL TOLL FREE 1-800-638-9228

4. Basic Operation after Basic Programming



Note:

Whenever an error is generated, the input figures reset to 0. All printout samples are journal images and the header (date, time and consecutive no.) are eliminated from the samples.



4-1 Open the drawer without a sale



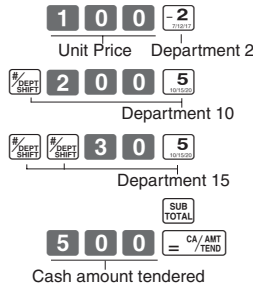
..... NS

No Sales Symbol

4-2 Basic operation

Example

Unit Price	\$1.00	\$2.00	\$0.30
Quantity	1	1	1
Dept.	2	10	15
Cash Amount tendered	\$5.00		



```

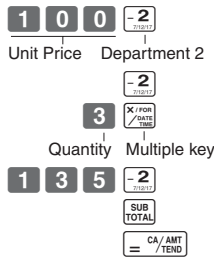
02  • 1•00 TX 1  Department No./Unit Price
10  • 2•00
15  • 0•30
      • 1•00 TA  Taxable Subtotal
      • 0•04 TX 1  Tax
      • 3•34 ST  Subtotal
      • 5•00 CA  Cash Amount Tendered
      • 1•66 CG  Change Amount Due
    
```

Departments 6 through 10, 11 through 15, 16 through 20 can also be registered in combination with the $\frac{\%}{\text{SHIFT}}$ and $\frac{\%}{\text{SHIFT}}$ and $\frac{\%}{\text{SHIFT}}$ and $\frac{\%}{\text{SHIFT}}$ or $\frac{\%}{\text{SHIFT}}$ keys, respectively. The $\frac{\%}{\text{SHIFT}}$ key should be entered just before entering unit price manually.

4-3 Multiple registration on the same items

Example

Unit Price	\$1.00	\$1.35
Quantity	2	3
Dept.	2	2



```

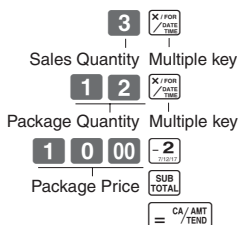
02  • 1•00 TX 1
02  • 1•00 TX 1  Repeat
      3 X  Sales Quantity
      • 1•35 @  Unit Price
02  • 4•05 TX 1
      • 6•05 TA
      • 0•24 TX 1
      • 6•29 CA
    
```

Note that repeated registration can be used with unit prices up to 6 digits long.

4-4 Split sales of packaged items

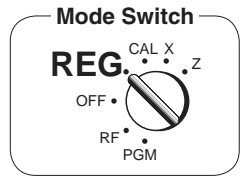
Example

Unit Price	12\$10.00
Quantity	3
Dept.	2



```

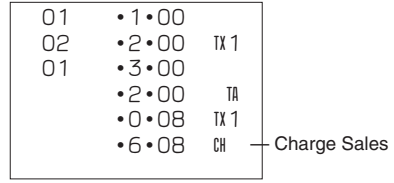
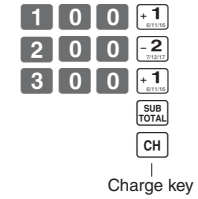
      3 X  Sales Quantity
      12  Package Quantity
02  • 10•00 @  Unit Price
      • 2•50 TX 1
      • 2•50 TA
      • 0•10 TX 1
      • 2•60 CA
    
```



4-5 Charge sales

Example

Unit Price	\$1.00	\$2.00	\$3.00
Quantity	1	1	1
Dept.	1	2	1

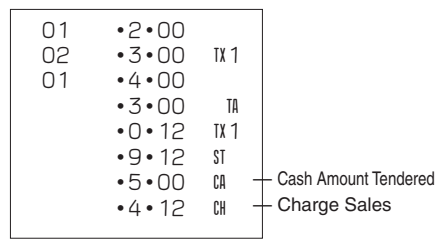
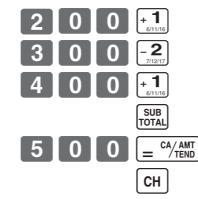


You cannot perform the amount tendered operation using the **CH** key.

4-6 Split cash/ charge sales

Example

Unit Price	\$2.00	\$3.00	\$4.00
Quantity	1	1	1
Dept.	1	2	1
Cash Amount tendered	\$5.00		



4-7 Corrections

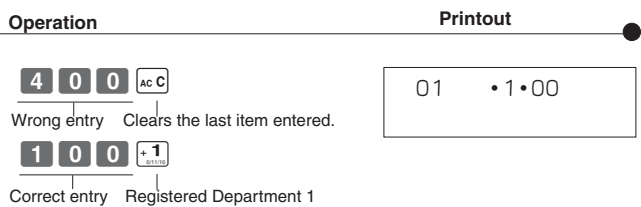
Corrections can be made while you are registering the item (before you press a department key), or after it has already been registered into the memory (by pressing a department key).

4-7-1 Before you press a department key


AC C key clears the last item entered.

Example



- Entered 400 for unit price by mistake instead of 100.





Part-1 QUICK START OPERATION



2. Entered unit price first instead of quantity and then pressed .

Operation

2 0 0  
 Unit price Multiplication

AC C
 Clears the last item entered.

5  
 Quantity Multiplication



2 0 0  
 Unit price Registered Department 2

Printout



```



      5 X
      •2•00 @
02 •10•00 TX 1
    
```

3. Entered 150 for unit price by mistake instead of 105.

1 0  
 Quantity Multiplication

1 5 0 AC C
 Wrong entry Clears the last item entered.

1 0  
 Quantity

1 0 5  
 Correct entry Registered Department 3

```



      10 X
      •1•05 @
03 •10•50
    
```



4-7-2 After you pressed a department key



 key cancels the last registered item.

Example

1. Entered unit price 550 by mistake instead of 505 and pressed a department key.

5 5 0  
 Wrong entry



 
 Cancels the last item registered.



5 0 5  
 Correct entry Registered Department 1



```



01 •5•50
   -5•50 VD
01 •5•05
    
```

2. Entered unit price 220 by mistake instead of 230 and pressed a department key.

3  
 Quantity Multiplication

2 2 0  
 Wrong entry

 
 Cancels the last item registered.

3  
 Correct entry Registered Department 2

```

      3 X
      •2•20 @
02 •6•60 TX 1
   -6•60 VD
      3 X
      •2•30 @
02 •6•90 TX 1
    
```

5. Daily Management Report

This section tells you the procedures to use to produce reports of the transaction data stored in the cash register's memory.

Important

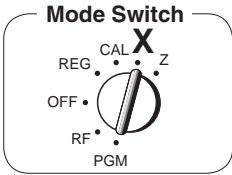
Remember that when you issue a reset (Z) report, the data that is reported is cleared from the applicable totalizers. To view data without clearing totalizers, issue a read (X) report.

Part-1

5-1 Financial Report

Operation

Printout



01-08-10	Date
14-27 0072	Time/Consecutive No.
X	Read Symbol
67 *	Gross Sales No. of Items
•270•48 *	Gross Sales Amount
38 NT	Net Sales No. of Customers
•271•24 NT	Net Sales Amount
•197•57 CA#	Cash Total in Drawer
•18•19 CH#	Charge Total in Drawer
•45•18 *CK	Check Total in Drawer

5-2 General Control Read/Reset Report

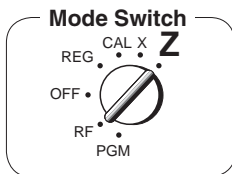
Operation

Printout

5-2-1 Daily Read/Reset Report

Mode Switch to **(X)** (Read)

Mode Switch to **(Z)** (Reset)



Z (Reset) report

01-08-10	Date
19-35 0073 1	Time/Consecutive No./Clerk No.
0001 Z	Non-resettable Sales No. of Resets ¹ /RESET Symbol ¹
01 48	No. of Items/Dept. No.
•50•10	Amount
02 28	
•76•40	
03 17	
•85•80	
04 4	
•76•00	
05 1	
•6•50	
06 1	
1•00	
19 2	
•1•00	
20 5	
•10•00	
108 *	Gross Sales No. of Items
•316•80 *	Gross Sales Amount

Part-1 QUICK START OPERATION

•0•50	-	Reduction Amount
•0•66	%-	Premium/Discount Amount
•105•10	TA	Taxable Amount 1
•4•20	TX 1	Tax Amount 1
•75•60	*TA	Taxable Amount 2
•3•97	TX2	Tax Amount 2
46	NT	Net Sales No. of Customers
•325•13	NT	Net Sales Amount
•325•13	1	Clerk 1 Sales Amount
(Refer to 2-10 Cashier Assignment)		
44	CA	Cash Sales Count
•203•91	CA	Cash Sales Amount
3	CH	Charge Sales Count
•16•22	CH	Charge Sales Amount
2	CK	Check Sales Count
•105•00	CK	Check Sales Amount
•6•00	RA	Received on Account Amount
•10•00	PO	Paid Out Amount
3	VO	Error Correction Count
1	RF	RF Mode Count
•3•00	RF	RF Mode Amount
5	CA X	No. of <input type="checkbox"/> CA/ <input type="checkbox"/> AMT/ <input type="checkbox"/> TEND key operation in CAL mode
1	NS	No-sales Count
•199•91	CA#	Cash in Drawer
•16•22	CH#	Charge in Drawer
•105•00	*CK	Check in Drawer
000000		Non-resettable Grand Sales Total (printed only on RESET report)* ²
0325•13		

* X (Read) report is the same except ¹ and ².

5-2-2 Periodic Read/ Reset Report

Operation

Printout

Mode Switch to Z or X

1 0 CA/AMT/TEND

01-08-10		Date
19-50 0074		Time/Consecutive No.
10 ••••	X	Periodic Read Symbol
	X	
67 *		Gross Sales No. of Items
•270•73 *		Gross Sales Amount
38 NT		Net Sales No. of Customers
•271•24 NT		Net Sales Amount



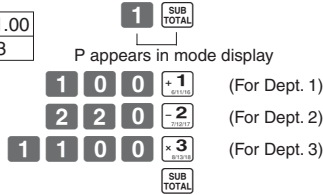
CONVENIENT OPERATION

1. Various Programming

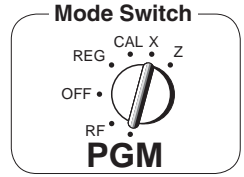
1-1 Unit price for Departments

Example

Unit Price	\$1.00	\$2.20	\$11.00
Dept.	1	2	3



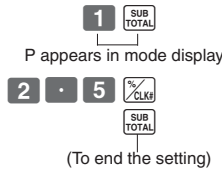
•Unit prices within the range of 0.01~9999.99.



1-2 Rate for percent key

Example

Discount Rate	2.5%
---------------	------



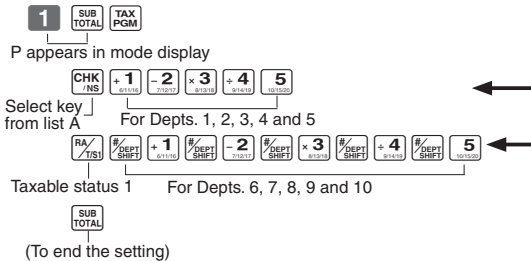
•The rate within the range of 00.01 to 99.99%.

1-3 To change tax status for Departments

Tax status for the Departments are fixed as follows:
 Department 2: Taxable status 1.
 Departments 1, 3~20: Non-Taxable status.

Example

Status	Non-Taxable	Taxable
Dept.	1 ~ 5	6 ~ 10



Selections	
Taxable status 1	RA / TSI
Taxable status 2	PO / TSI
Taxable status 1 and 2	RA / TSI PO / TSI
Taxable status 3	CH
Taxable status 1, 2 and 3	RA / TSI PO / TSI CH
Taxable status 4	X / rsn / TSI
Non-taxable status	CHK / NS

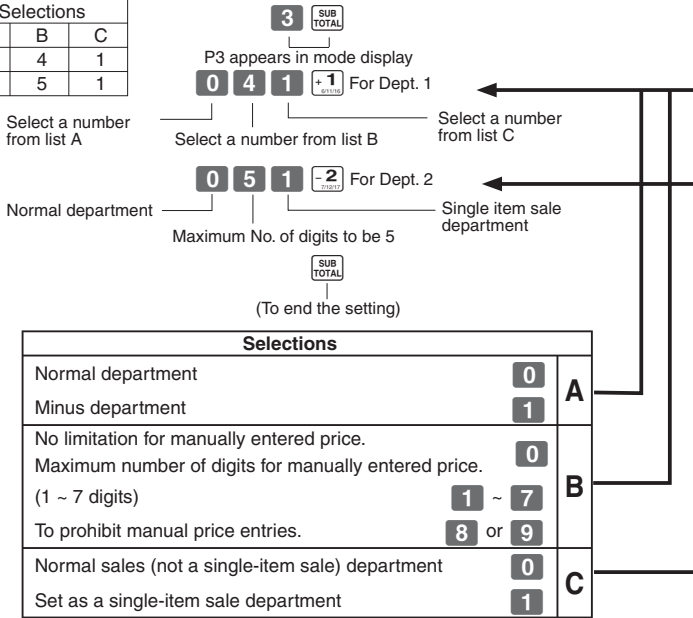
A

Part-2

1-4 Status for Department

Example

Depts.	Selections		
	A	B	C
1	0	4	1
2	0	5	1

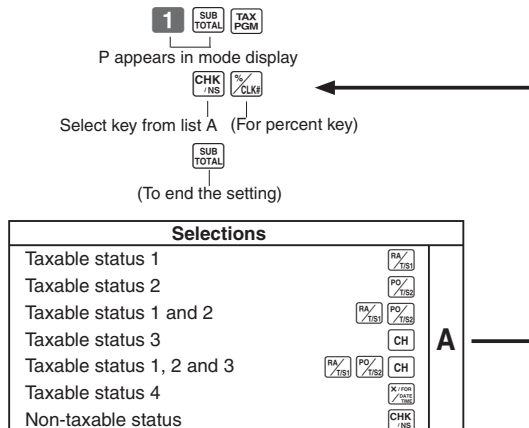


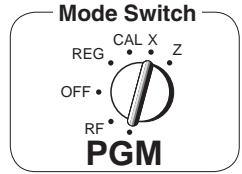
1-5 Status for percent key

1-5-1 To change taxable status for the percent key

Taxable status 1 is fixed for the percent key.

Example
Change Percent key registration as a Non-taxable.

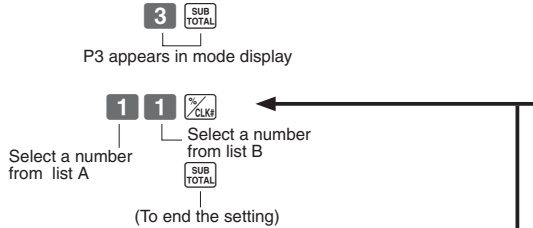




1-5-2 Status for percent key

Example

Round	Up
Percent	%+



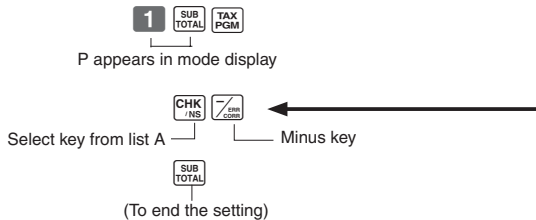
Selections	
Rounding of results produced by Percent Key operation.	
Round off (1.544=1.54; 1.545=1.55)	
Round up (1.544=1.55; 1.545=1.55)	
Cut off (1.544=1.54; 1.545=1.54)	
Program Percent Key to register discounts (%-).	
Program Percent Key to register premiums (%+).	
Program Percent Key to function as a Manual Tax key.	

1-6 Taxable Status for minus key

Example

Change minus key registrations
Non-taxable status.

Non-taxable status is fixed for the minus key.

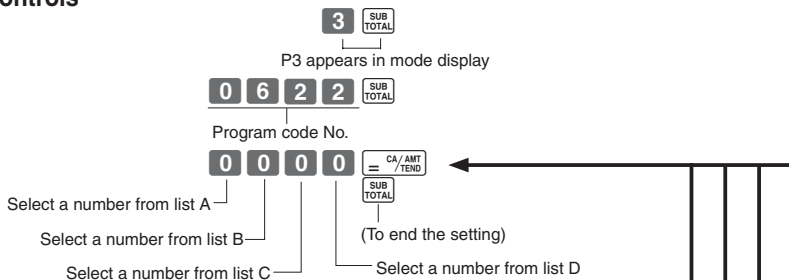


Selections	
Taxable status 1	
Taxable status 2	
Taxable status 1 and 2	
Taxable status 3	
Taxable status 1, 2 and 3	
Taxable status 4	
Non-taxable status	

Part-2

1-7 General features

1-7-1 To set general controls



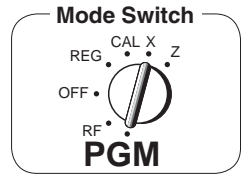
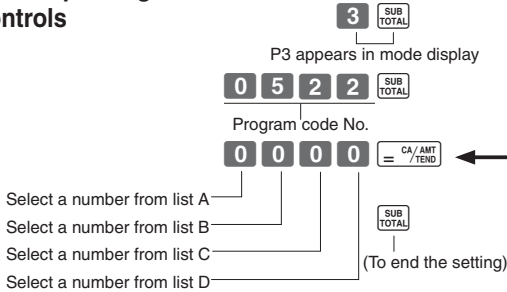
Selections	
Time display format: HH-MM	0 A
Time display format: HH-MM SS	4

Selections				
Maintain key buffer during receipt issue in REG mode.				
Reset the transaction number to zero whenever a General Control Reset Report is issued.				
Allow credit balance registration.				
No	Yes	Yes	0	B
	No	Yes	1	
Yes		Yes	2	
	Yes	No	3	
Yes		Yes	4	
	Yes	No	5	
No		Yes	6	
	No	No	7	

Selections			
Allow partial cash amount tendered.			
Allow partial check amount tendered.			
Yes	Yes	0	C
	No	2	
No	Yes	4	
	No	6	

Selections			
Use the 00 key as a 000 key.			
Cashier assignment systems (sign on) is used.			
No	No	0	D
	Yes	1	
Yes	No	2	
	Yes	3	

1-7-2 To set printing controls



Selections	
Use the printer to print a journal.	0
Use the printer to print receipts.	1

Selections	
Print zero-total line on the General Control Read/Reset Reports	0
Do not print zero-total line on the General Control Read/Reset Reports.	1

Selections		
Print RF switch mode refund count/ amount on the General Control Read/Reset Reports.		
Print the grand sales total on the General Control Reset Reports.		
Print the time on the receipt and journal.		
Yes	No	Yes 0
	Yes	No 1
		Yes 2
No	No	No 3
		Yes 4
	Yes	Yes 5
	No	No 6
	Yes	Yes 7

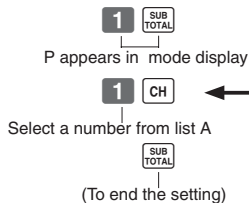
Selections		
Print the consecutive number on the receipt/journal.		
Print the subtotal on the receipt/ journal when the Subtotal Key is pressed.		
Skip item print on journal.		
No	No	Yes 0
	Yes	No 1
		Yes 2
Yes	No	No 3
		Yes 4
	Yes	Yes 5
	No	No 6
	Yes	Yes 7

Part-2

1-7-3 Printer switch for Receipt or Journal

The printer is fixed as journal after initialized operation.

Example
To print a receipt.



Selections	
A	Use the printer to print a journal. 0
	Use the printer to print receipts. 1

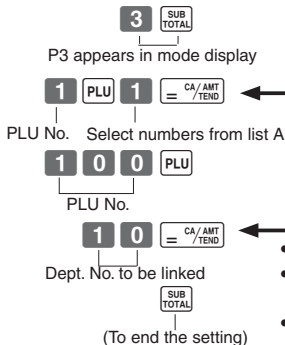
- Printer selection to print a journal or receipts can also be set on procedures 1-7-2 "To set printing controls".

1-8 PLU setting

1-8-1 Linkage with Departments

Example

PLU No.	1	100
Link Dept. No	1	10



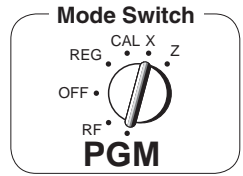
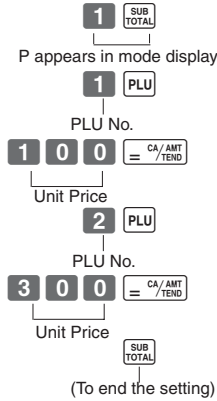
Selections	
A	Linked to dept. 20. 0
	Linked depts. 1~20 respectively. 1 ~ 2 0

- 120 PLUs can be set.
- When the linked department is not specified, the PLU is linked to department 20.
- Status for a single-item sale and tax status are followed the specified linked department.

1-8-2 Unit Prices for PLUs

Example

PLU No.	1	2
Unit Price	\$1.00	\$3.00

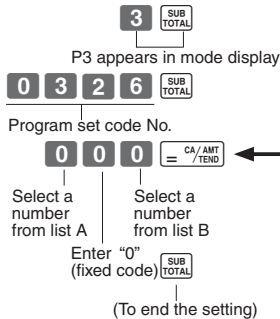


•Unit prices within the range of \$0.01~999.99.

1-9 To control Tax Status printing

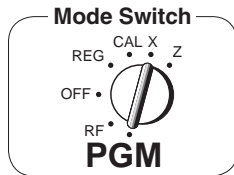
Example

Print taxable amount and tax amount for Add-in.



Selections	
Print Tax status symbols.	0
Do not print Tax status symbols.	2

Selections	
Print taxable amount.	
Print taxable amount and tax amount for Add-in.	
Yes	Yes 0
	No 1
No	Yes 2
	No 3



1-10 To program Tax Table

If your tax table is not a flat table (includes break points), find the tax table for your state on pages 37 through 44 of this manual. Follow the procedures below to set the tax tables.

Example 1: Set Alabama state tax 4%.

3	<small>SUB TOTAL</small>	P3 appears in mode display																																																	
0 1 2 5	<small>SUB TOTAL</small>	Program set code No. for tax table 1																																																	
0	<small>CA / AMT / TEND</small>	1st code for 4%	<table border="1"> <thead> <tr> <th colspan="4">ALABAMA</th> </tr> <tr> <th>4%</th> <th>5%</th> <th>6%</th> <th>6%</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>10</td><td>10</td><td>8</td><td>9</td></tr> <tr><td>30</td><td>29</td><td>24</td><td>20</td></tr> <tr><td>54</td><td>49</td><td>41</td><td>40</td></tr> <tr><td>73</td><td>69</td><td>58</td><td>55</td></tr> <tr><td>110</td><td>89</td><td></td><td>70</td></tr> <tr><td></td><td>110</td><td></td><td>90</td></tr> <tr><td></td><td></td><td></td><td>109</td></tr> </tbody> </table>	ALABAMA				4%	5%	6%	6%	0	0	0	0	1	1	1	1	1	1	1	1	10	10	8	9	30	29	24	20	54	49	41	40	73	69	58	55	110	89		70		110		90				109
ALABAMA																																																			
4%	5%	6%		6%																																															
0	0	0		0																																															
1	1	1		1																																															
1	1	1		1																																															
10	10	8		9																																															
30	29	24		20																																															
54	49	41		40																																															
73	69	58		55																																															
110	89		70																																																
	110		90																																																
			109																																																
1	<small>CA / AMT / TEND</small>																																																		
1	<small>CA / AMT / TEND</small>																																																		
1 0	<small>CA / AMT / TEND</small>																																																		
3 0	<small>CA / AMT / TEND</small>																																																		
5 4	<small>CA / AMT / TEND</small>																																																		
7 3	<small>CA / AMT / TEND</small>																																																		
1 1 0	<small>CA / AMT / TEND</small>	Last code for 4%																																																	
	<small>SUB TOTAL</small>	(to end the setting)																																																	

Note: If your table has break points, set it to this table (tax table 1).

Example 2: Set Colorado state tax 5.25%.

3	<small>SUB TOTAL</small>	P3 appears in mode display						
0 2 2 5	<small>SUB TOTAL</small>	Program set code No. for Tax table 2						
5 . 2 5	<small>CA / AMT / TEND</small>	5.25% tax	<table border="1"> <thead> <tr> <th colspan="2">COLORADO</th> </tr> </thead> <tbody> <tr><td>5.25%</td></tr> <tr><td>5.25</td></tr> <tr><td>5002</td></tr> </tbody> </table>	COLORADO		5.25%	5.25	5002
COLORADO								
5.25%								
5.25								
5002								
5 0 0 2	<small>CA / AMT / TEND</small>	50 for Round off and 02 for Add On						
	<small>SUB TOTAL</small>	(to end the setting)						

- This sample programming can set only tax rate, but not for a tax break point.
- You can set tax table 3 and 4 by the set code No. 0325 (for table 3) and 0425 (for table 4)

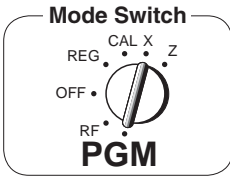
Tax status for the Departments and function keys are fixed as follows:

Department 2: Taxable status 1.
 Departments 1, 3-20: Non-Taxable status.
 Percent key: Taxable status 1.
 Minus key: Non-Taxable status.

- See page 17 (department key), 18 (percent key), 19 (minus key) to change the fixed tax status.

1-11 Printing to read All Preset Data

1-11-1 Printing preset data except PLU settings



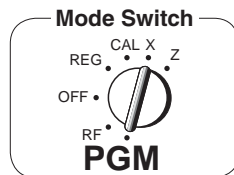
CA/AMT
= /TEND

01-08-10	—	Date
14-24 0070	—	Time/Consecutive No.
	X	Read Symbol
01••••1•00	—	Dept. No./Unit Price
01-041	—	Tax Status/Normal Dept./Digit Limit/Single Item
02••••2•20		
02-051		
03••••11•00		
03-041		
20••••0•00		
00-000		
-•••••03	—	Minus/Tax Status
2•5 %	—	Percent Rate/%+ or %-
03-11	—	Tax Status/Percent Key Control
0122••••12	—	Date/Add Mode Control (fixed)
0222••0000	—	Print Control
0522••0022	—	General Control
0622••0000	—	Calculation Control
1022•••••0	—	Tax Control
0326••0002	—	Tax Table 1
0125••••••		
0•0000 %		
0001		
0001		
10		
30		
54		
73	—	Break Points Control
110		
0225••••••	—	Tax Table 2
5•2500 %		
5002	—	Rounding Specifications/ Tax System Specifications
0000		
01-08-10		

Part-2

Tax Status

Printout	Meaning	Printout	Meaning	Printout	Meaning
00	Non taxable	06	Taxable 1 & 3	12	Taxable 1, 2 & 4
01	Taxable 1	07	Taxable 1 & 4	13	Taxable 1, 3 & 4
02	Taxable 2	08	Taxable 2 & 3	14	Taxable 2, 3 & 4
03	Taxable 3	09	Taxable 2 & 4	15	All taxable
04	Taxable 4	10	Taxable 3 & 4		
05	Taxable 1 & 2	11	Taxable 1, 2 & 3		



1-11-2 Printing pre-set PLU settings

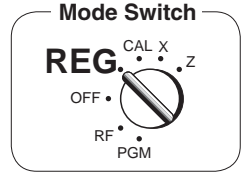


1		01-08-10	Date
		14-26 0073	Time/Consecutive No.
		001•••1•00	X Read symbol
		01	PLU No./Unit Price
		002•••2•00	Linked department
		02	
		003•••3•00	
		03	
		004•••4•00	
		099•••	
		19	
		100••10•00	
		20	
		01-08-10	

2. Various Operations

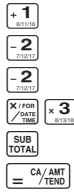
2-1 Registration using preset price for Departments.

(Programming: See page 17)



Example

Unit Price	\$1.00	\$2.20	\$11.00
Quantity	1	2	4
Depts.	1	2	3
Amount Tendered	\$50.00		



01	• 1•00		Unit Price
02	• 2•20	TX 1	Unit Price
02	• 2•20	TX 1	Repeat
	4	X	Multiplication Symbol
	• 11•00	@	Unit Price
03	• 44•00		
	• 4•40	TA	
	• 0•18	TX 1	
	• 49•58	ST	
	• 50•00	CA	Cash Amount Tendered
	• 0•42	CG	Change

Part-2

2-2 Single-Item Sales

(Programming: See page 18)



03	• 0•50		
	• 0•50	CA	Cash Sales

Example 1

Status	Single item sale
Unit Price	\$0.50
Quantity	1
Dept.	3

For this example, Dept. 1 is programmed for a single-item-sale. (Programming: See page 23.)

Example 2

Status	Normal	Single item sale
Unit Price	\$1.00	\$0.50
Quantity	1	1
Dept.	2	3



02	• 1•00	TX 1	
03	• 0•50		
	• 1•00	TA	Taxable Amount
	• 0•04	TX 1	Tax
	• 1•54	CA	Cash Sales

Single-item sale cannot be finalized if an item is registered previously.

Part-2 CONVENIENT OPERATION

Mode Switch



2-3 Check Sales

● Operation ————— Printout ●

Example

Unit Price	\$35.00
Quantity	2
Depts.	4

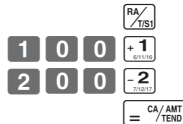


04	•35•00	
04	•35•00	
	•70•00	CK — Check Sales

2-4 Change the Tax Status

Example

Unit Price	\$1.00	\$2.00
Quantity	1	1
Depts.	1	2
Preset Status	Non-Taxable	Taxable 1
This Registration	Taxable 1	Taxable 1

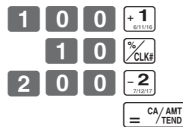


01	•1•00	TX 1
02	•2•00	TX 1
	•3•00	TA
	•0•12	TX 1
	•3•12	CA

2-5 Manual Tax

Example

Unit Price	\$1.00	\$2.00
Quantity	1	1
Depts.	1	2



01	•1•00	
	•0•10	TX# — Manual Tax Symbol
02	•2•00	TX 1
	•2•00	TA
	•0•08	TX 1
	•3•18	CA

key is programmed to function as a Manual Tax key (see page 19).

2-6 PLU operation

(Programming: See page 23)

Example

PLU No.	1	2
Unit Price	\$1.00	\$2.00
Quantity	2	4
Link Dept. No.	2	2
Cash Amount tendered	\$10.40	

1 PLU
PLU
4 X / FROM
2 PLU
= CA / AMT / TEND

001	• 1•00	TX 1	PLU No.
001	• 1•00	TX 1	Repeat
	4	X	Multiplication Symbol
	• 2•00	@	Preset Unit Price
002	• 8•00	TX 1	
	• 10•00	TA	
	• 0•40	TX 1	
	• 10•40	CA	Cash Amount Tendered

2-7 PLU Single-Item Sale

(Programming: See page 22)

Example

PLU No.	1
Status	Single item sale
Unit Price	\$1.00
Quantity	1

1 PLU

001	• 1•00	TX 1	PLU No.
	• 1•00	TA	Taxable Status Symbol
	• 0•04	TX 1	Taxable Amount
	• 1•04	CA	Tax

- For this example, linked department 1 is programmed for a single-item-sale.
- Single-item sale cannot be finalized if an item is registered previously.

2-8 Split cash/ check sales

Example

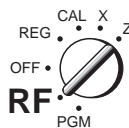
Unit Price	\$30.00	\$25.00
Quantity	1	1
Depts.	2	3
Cash Amount tendered	\$20.00	
Check	\$36.20	

3 0 0 0 -2
2 5 0 0 3
SUB TOTAL
2 0 0 0 = CA / AMT / TEND
CHK / NS

02	• 30•00	TX 1
03	• 25•00	
	• 30•00	TA
	• 1•20	TX 1
	• 56•20	ST
	• 20•00	CA
	• 36•20	CK

Part-2 CONVENIENT OPERATION

Mode Switch



2-9 Refund

Operation

Printout

Example

Unit Price	\$1.00	\$2.00
Quantity	1	1
Depts.	2	3



13-55	0040	RF	Refund Mode Symbol
02	•1•00	TX 1	
03	•2•00		
	•1•00	TA	
	•0•04	TX 1	
	•3•04	CA	

After you finish RF mode operation, be sure to return the Mode Switch to the REG (register) setting.

2-10 Cashier Assignment

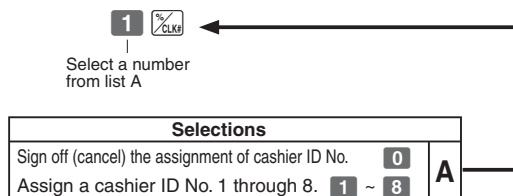
(Programming: See page 20)

Mode Switch

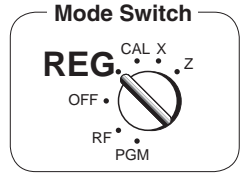
In any mode
REG, RF, CAL,
X or Z,
except PGM

Cashier assignment system is used to control each cashier (or clerk) sales total. When you select this function on page 20, you can get 8 cashiers (or clerk) sales data.

Cashier assignment must be performed prior to starting registration or any other operation, except Program mode.

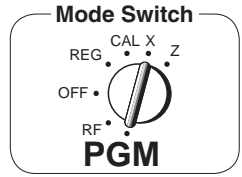
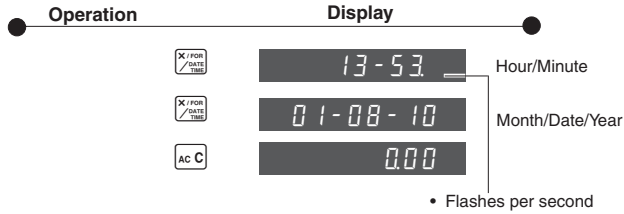


- Currently assigned cashier (or clerk) ID number is printed on the receipt or journal for each transaction.
- The assigned clerk memory number is automatically signed off when the mode key is set to OFF position.
- The assigned cashier (or clerk) sales totals with ID number are printed on the receipt or journal when you perform daily X/Z sales report.



2-11 Other registrations

2-11-1 Reading the Time and Date

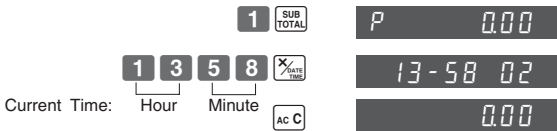


Adjusting the Time

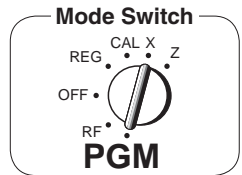


Example

Current time = 13:58



• Enter current time in 24 hour system.

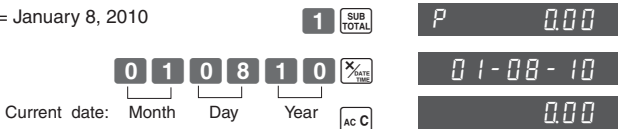


Adjusting the Date



Example

Current date = January 8, 2010



• Enter current date in 6 digits.

• Enter the last 2 digits for year set. (2010 → 10)

Part-2 CONVENIENT OPERATION

Mode Switch



2-11-2 Paid out from cash in drawer

1 2 3 4
5 6 7 8

Enter reference No.

1 0 0 0

12345678	#	Reference Number
13-57 0041		
•10.00	PO	Paid Out Amount

2-11-3 Cash received on account

6 0 0 0

•6.00	RA	Received On Account Amount
-------	----	----------------------------

2-11-4 Registering identification numbers

A reference number or ID number of up to 8 digits can be registered prior to any transaction.

1 2 3 4
5 6 7 8
5 0

12345678	#	Reference No. or ID No.
13-59 0046		
02	•0.50	TX 1
	•0.50	TA
	•0.02	TX 1
	•0.52	CA

2-11-5 Reduction on subtotal

Example
Amount due reduced by \$0.50.

1 0 0 0
2 0 0 0
5 0

02	•1.00	TX 1
02	•2.00	TX 1
	•3.12	ST
	-0.50	
	•3.00	TA
	•0.12	TX 1
	•2.62	CA

See page 21 to print the subtotal line.

2-11-6 Premium/ Discount

•2.5% premium/discount (programmed to $\frac{\%}{\text{CAL}}$ key) applied to first item.

1 0 0 $\frac{+1}{\text{CAL}}$
 $\frac{\%}{\text{CLK}}$
 2 0 0 $\frac{-2}{\text{CAL}}$
 3 0 0 $\frac{+1}{\text{CAL}}$
 SUB TOTAL
 7 $\frac{\%}{\text{CLK}}$
 = $\frac{\text{CA}/\text{AMT}}{\text{TEND}}$

•Be sure to use $\frac{\text{SUB}}{\text{TOTAL}}$ key when you wish to apply a premium/ discounting to the subtotal.

•7% premium/discount applied to transaction total.

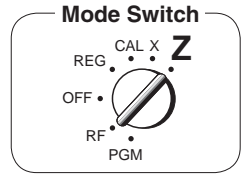
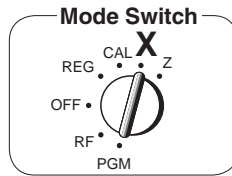
•For programming the $\frac{\%}{\text{CAL}}$ key as percent minus or percent plus, see page 19.

•For programming percent rate, see page 17.

Premium		Discount	
01	•1•00	01	•1•00
	2•5 %		2•5 %
	•0•03		-0•03
02	•2•00 TX 1	02	•2•00 TX 1
01	•3•00	01	•3•00
	•6•03 ST		•5•97 ST
	7 %		7 %
	•0•42 TX 1		-0•42 TX 1
	•2•14 TA		•1•86 TA
	•0•09 TX 1		•0•07 TX 1
	•6•54 CA		•5•62 CA

- *1 Premium/ Discount Rate
- *2 Premium/ Discount Amount
- *3 Subtotal
- *4 Premium/ Discount Rate
- *5 Premium/ Discount Amount

2-12 PLU report



Operation

Printout

Mode Switch to **X** (Read)

0 1 = $\frac{\text{CA}/\text{AMT}}{\text{TEND}}$

01-08-10		
19-35 0073		
01 0001	Z	Report code/Reset Counter
001 12		PLU No./No. of items
•12•00		Amount
002 27		
100		
•180•00		PLU total count
1284		PLU total amount
•10856•89		

Mode Switch to **Z** (Reset)

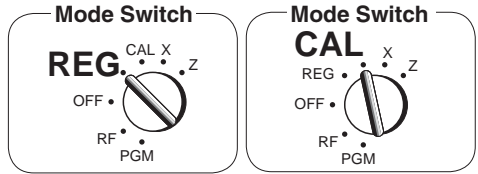
0 1 = $\frac{\text{CA}/\text{AMT}}{\text{TEND}}$

Part 3

CALCULATOR FUNCTION

1. Calculator Mode

While registering at REG mode, you can switch to CAL mode and then return to REG mode to resume the registration.



1-1 Calculation examples

<p>Operation</p> <p style="text-align: right;">AC c</p> <p>5 + 1 1 AC c</p> <p>(Cancels item entered.)</p>	<p>Display</p> <p>[] 0</p>
<p>5+3-2=</p> <p>(23-56)×78=</p> <p>(4×3-6)÷3.5+8=</p> <p>12% on 1500</p>	<p>6</p> <p>-2574</p> <p>97142857</p> <p>180</p>

1-2 Memory recall

Recalls the current amount onto the display.

- during registration: current subtotal
- registration has been completed: the last amount

On REG mode

<p>Operation</p> <p>1 0 00 + 1 2 0 00 + 1</p>	<p>Display</p> <p>10</p>
---	--------------------------

On CAL mode

Example
Divide the current subtotal \$30.00 at REG mode by 3 (to divide the bill between 3 people).

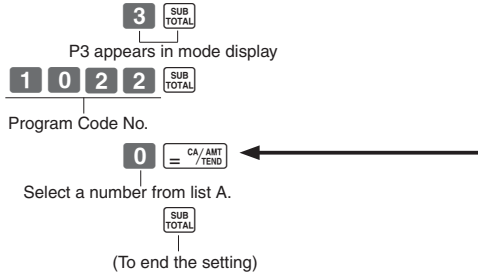
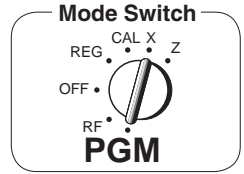
<p>PLU ÷ 3 =</p> <p>Memory recall</p>	<p>Recalls the current result by pressing $\frac{CA}{AMT} / \frac{TEND}{TEND}$ key at CAL mode on the display.</p>
---------------------------------------	---

On REG mode

Example
Recall the current result at CAL mode during registration, and register the cash amount due for each person.

<p>PLU =</p> <p>PLU =</p> <p>PLU =</p> <p>Memory recall</p>	<p>Printout</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p>01 • 10.00</p> <p>01 • 20.00</p> <p>• 30.00 ST</p> <p>• 10.00 CA</p> <p>• 10.00 CA</p> <p>• 10.00 CA</p> <p>• 0.00 CG</p> </div>
---	--

1-3 Setting for calculator operation



Selections			
Open drawer whenever = CA / AMT / TEND is pressed.*			
Open drawer whenever CHK / INS is pressed.*			
Print No. of Equal key operations on General Control X and Z reports.			
Yes	No	No	0
		Yes	1
	Yes	No	2
		Yes	3
No	No	No	4
		Yes	5
	Yes	No	6
		Yes	7

A

*Drawer does not open during registration procedures even if you press = CA / AMT
/ TEND or CHK
/ INS by turning the mode switch to CAL position.

Part-3



USEFUL INFORMATION

1. Troubleshooting

	Symptom/Problem	Most common causes	Solutions
1	E01 appears on the display.	Changing modes without completing transaction.	Return mode switch to where it stops buzzing and press [= $\frac{C\%}{AMT}$].
2	E08 appears on the display.	Sign on operation is not performed.	Prior to starting registration of any other operation, press 1 ~ 8 and then $\frac{C\%}{AMT}$.
3	E94 appears on the display.	Printer paper is jammed.	Remove jammed paper. Turn Mode switch to OFF then turn to ON, or Turn power OFF and then turn power ON.
4	No date on receipt. Paper is not advancing enough.	Printer is programmed as a journal.	Program printer to print receipts.
5	Drawer opens up after ringing up only one time.	Department is programmed as a single item dept.	Program the dept. as a normal dept.
6	Not clearing totals at end of day after taking report.	Using X mode to take out reports.	Use Z mode to take out reports.
7	Programming is lost whenever register is unplugged or there is a power outage.	Bad or no batteries.	Put in new batteries and program again.
8	Register is inoperative. Can't get money out of drawer.	No power.	Pull lever underneath register at rear.

Note: If you cannot resolve your difficulty, please feel free to call your dealer or 1-800-638-9228.

2. Specifications

INPUT METHOD

Entry: 10-key system; Buffer memory 8 keys (2-key roll over)
 Display (LED): Amount 8 digits (zero suppression); Department/PLU No.; No. of repeats

PRINTER

Journal: 14 digits (Amount 10 digits, Symbol 3 digits)
 (or Receipt) Automatic paper roll winding (journal)
 Paper roll: 58 mm × 80 mm Ø (Max.)

CALCULATIONS

Entry 8 digits; Registration 7 digits; Total 8 digits

CALCULATOR FUNCTION

8 digits; Arithmetic calculations; Percent calculations

Memory protection batteries:

The effective service life of the memory protection batteries 3 (UM-3, or R6P (SUM-3) type batteries) is approximately one year from installation into the machine.

Power source/Power consumption: See the rating plate.

Operating temperature: 32°F to 104°F (0°C to 40°C)

Humidity: 10 to 90%

Dimensions: 7 ³/₈"(H)×13"(W)×14 ³/₁₆"(D) with S drawer
 (188 mm(H)×330 mm(W)×360 mm(D))

Weight: 9 lbs (4 kg) with S drawer

Specifications and design are subject to change without notice.

Tax Tables for USA

A

ALABAMA						ALASKA								ARIZONA	
4%	5%	6%	6%	6%	8%	KENAI 2%	3%	HOMER/ SELDOVIA 3%	HAINES 4%	JUNEAU 4%	KENAI 5%	KENAI,SEWARD & SOLDOTNA 5%	6%	4%	5%
			(4+1+1)												
0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
10	10	8	9	10	7	6	1	1	1	1	1	1	2	179	12
30	29	24	20	20	21	18	1	4	4	2	1	6	218	29	199
54	49	41	40	36	35	31	25	34	25	19	12	13	9	29	219
73	69	58	55	54	49	43	75	49	34	37	37	25	29	49	239
110	89		70	70	64	56		83	75	62		46	49	69	259
	110		90	85	78	68		116	127			75	69	89	259
			109	110	92	81		150	155			79	89	109	279
					107	93		183	177			118	109	109	300
						106		216	227			127		129	
												151		159	

C

ARIZONA					ARKANSAS							CALIFORNIA				
6%	6.5%	6.7%	6.8%	7%	3%	4%	5%	6%	6.8%	7%	7.5%	6%	6.25%	6.5%	6.75%	
0	175	0	161	0	156	6.8	0	0	0	0	0	0	0	0	0	
1	191	1	176	1	171	5002	1	1	1	1	1	1	1	1	1	
9		7	192	7	186		14	12	10	8	6	7	6			
10		7	207	7	201		44	37	20	24	19	21	19			
22		23	223	22	216		74		40	41	33	35	33			
39		38	238	37	231		114		60	58	46	49	46			
56		53	253	52	246				80			64				
73		69	269	67	261				110			78				
90		84	284	82	276							92				
107		99	299	97	291							107				
125		115		111												
141		130		126												
158		146		141												

CALIFORNIA										COLORADO							
7%	7.25%	7.25%	7.5%	7.75%	8.25%	8.5%	LOS ANGELES 10% PARKING	1.5%	2%	2.5%	3%	3.5%	3.6%	3.85%	4%		
0	121	278	7.25	117	7.25	0	7.75	8.25	0	99	0	99	0	0	0		
1	135	292	5002	131	5002	1	5002	5002	1	111	1	99	1	1	1		
8	149	307	0			3			1	123	11	104	33	24	19		
10	164		10			6			5	135	99	114	99	74	59		
20	178		20			19			17	147	99	124	166				
33	192		32			33			29	158	99	134	233				
47	207		46			46			41	170	99	144					
62	221		60			59			52	182	99	154					
76	235		74			73			64	194	99						
91	249		88						76	205	99						
107	267		103						88		99						

Part 4

E

Tax Tables

COLORADO

		LOVELAND																				
4.5%	5%	5%	5.25%	5.5%	5.6%	5.75%	6%	6.1%	6.35%	6.4%	6.45%	6.5%	6.6%	7%	7.01%	7.1%						
0	211	0	0	5.25	0	172	0	168	0	165	0	6.1	6.35	6.4	6.45	0	146	6.6	0	135	7.01	7.1
1	233	1	1	5002	1	190	1	186	1	182	1	5002	5002	5002	5002	1	161	5002	1	149	5002	5002
5	255	2	1		6	209	7	204	8	199	2	0			0	2	176		4		17	
17	277	17	18		17	227	16	222	17	217	17	17			17	17	192		17		21	
33	299	29	18		27	245	25	240	26	24	24				23	207		21		35		
55		49	51		45	263	43		43	41	41				38	223		35		49		
77			68		63	281	61		60	58	58				53			49		64		
99			84		81	299	79		78	74	74				69			64				
122			118		99		97		95						84			78				
144					118		115		113						99			92				
166					136		132		130						115			107				
188					154		150		147						130			121				

D

F

COLORADO

7.2%	7.25%	7.3%	7.5%	8%
0	131	7.25	0	0
1	145	5002	1	1
2	159		3	1
17	173	6	17	6
20	187	20	19	18
34	201	34	33	31
48	215	47	46	43
62	229	61	59	56
76	243	75	73	68
90	256	89	81	141
104		102	93	160
118		116	106	179

CONNECTICUT

5.25%	6%	7%	7.5%	8%
0	198	0	0	0
1	218	1	1	1
2		2	1	3
16		8	7	6
27		24	21	19
46		41	35	33
65		58	49	46
84		74	64	56
103		91	78	73
122		108	92	
141		124	107	
160				
179				

DISTRICT OF COLUMBIA

D.C. 5%	D.C. 5.75%	D.C. 6%	D.C. 6%	D.C. 8%	D.C. 9%
0	5.75	0	0	0	0
1	5002	1	1	1	1
1	0	1	1	1	6
10	8	12	8	12	6
22		17	24	16	16
42		35	41	27	27
62		53	58	39	38
82		71	74	50	49
110		89	91	62	61
		112	108	75	72
				90	83
				112	94

FLORIDA

4%	5%	5.25%
0	175	0
1	209	1
5		1
9		9
25		20
40		40
75		60
109		80
125		109
150		

G

H

I

FLORIDA

		PANAMA CITY BEACH				
6%	6.2%	6.5%	7%	7.5%		
0	6.2	0	107	0	109	0
1	5002	1	123	1	1	1
1		1	138	1	1	120
9		9	153	9	9	133
16		15	169	14	13	146
33		30	184	28	26	160
50		46	209	42	40	173
66		61		57	53	186
83		76		71	66	209
109		92		85	80	

GEORGIA

3%	4%	5%	6%	7%
0	0	0	0	0
1	1	1	1	1
1	1	1	1	1
10	10	10	10	7
35	25	20	20	21
66	50	40	35	35
110	75	60	50	49
	110	80	67	64
		110	85	78
			110	92
				107

HAWAII

4%
0
1
1
12
37

IDAHO

3%	4%	4.5%	5%	6%
0	0	0	0	0
1	1	1	1	1
1	2	2	2	2
15	11	15	11	11
42	32	27	25	20
72	57	49	45	37
115		71		53
		93		70
		115		87
		137		103
		160		120
		183		137
		205		153

E

ILLINOIS													INDIANA							IOWA	
1%	1.25%	2%	5%	6%	6.25%	6.5%	6.75%	7%	7.5%	7.75%	8%	8.75%	1%	4%	5%	MARION County	RESTAURANT	7%	4%	5%	
0	0	0	0	0	0	161	6.75	0	0	7.75	0	8.75	1%	4%	5%	5%	6%	7%	0	0	
1	1	1	1	1	1	176	5002	1	1	5002	1	5002	0	0	0	0	0	0	1	1	
1	1	1	6	1	1	192		1	1	0	1	0	0	0	0	0	0	121	3	1	
49	39	24	12	8	7	207		8	6	6	6	5	1	1	1	1	1	135	12	9	
148	119	74	25	24	23	23		22	19				1	2	1	2	1	149	37	29	
			46	41	38	38		36	33				49	15	9	15	9	164	50		
			67	58	53	53		50	46				148	37	29	37	29	178	75		
			88		69	69		65						62		49	49	193			
			109		84	84		79								62	49				
			129		99	99		93								87	69	64			
					115	115		108								112	89	78			
					130	130										137	109	92			
					146	146											107				

K

IOWA		KANSAS																			
6%	2.5%	3%	3.1%	3.25%	3.5%	3.75%	4%	4.1%	4.5%	5%	5.25%	5.5%	5.65%	5.9%	6%	6.15%	6.4%	6.5%	9.5%		
0				323	0	279	0	4.1	0	0	5.25	0	190	5.65	5.9	0	6.15	6.4	6.5	0	110
1	0	0	3.1	353	1	306	1	5002	1	1	5002	1	209	5002	5002	1	5002	5002	5002	1	121
1	1	1	5002	1	384	1	333	1	0	1	1	1	0	0	7	0	0	0	0	1	131
8	1	1	0	1	384	1	333	1	0	1	1	1	0	0	7	0	0	0	0	1	131
24	19	16	16	15	415	14	359	12	12	11	9	9	8	8	8	8	7	7	7	5	142
41	59	49		46	42	39	386	37	33	29	27	27	27	24	24	24				15	152
58	99	83		76	71	66	413	62	55		45	45	45	41	41	41				26	163
74	139	116		107	99	93	87	87	77		63	63	63	58	58	58				36	173
91	179			138	128	119	112	99	99		81	81	81	74	74	74				47	184
108				169	157	146		122	122		99	99	99	91	91	91				57	194
				199	185	173		144	144		118	118	118	108	108	108				68	
				230	199	199		166	166		136	136	136	124	124	124				78	
				261	226	226		188	188		154	154	154	141	141	141				89	
				292	253	253		211	211		172	172	172	158	158	158				99	

Part 4

L

KANSAS		KENTUCKY		LOUISIANA									
10%	5%	6%	2%	3%	4%	4.5%	5%	6%	6%	7%	7.5%	8%	9%
0	0	0	0	0	0	0	0	0	161	0	0	0	0
1	6	2	1	1	1	1	1	1	176	1	1	1	1
1	10	8	2	2	2	1	6	2	17	192	1	2	7
4	25	24	24	16	12	11	10	8	7	207	7	6	4
14	46	41	74	49	37	33	27	24	23	223	21	19	16
24	67	58	124	82	62	55	47	41	38	238	35	33	29
34	88	74	174	116	87	77	67	58	53	253	49	46	42
44	109		224	149	112	99	87	74	69	269	64	59	55
54	129				122	109		84	284			67	61
64					144	129		99	299			80	72
74					166			115	315			93	83
84					188			130	330			106	94
94					211			146				105	

M

MAINE			MARYLAND			
5%	6%	7%	Meals Tax			
4%	5%	5%	6%			
0	0	7	0	0	0	
1	1	2	0	0	0	
1	1	0	1	1	1	
10	9	7	2	2	7	
20	16	21	24	19	99	
40	33	35	25	20	99	
60	50	49	50	40	99	
80	66	64			99	
110	83	78			99	
	109	92			100	
		100			120	
					140	
					116	

Tax Tables

MASSACHUSETTS			MICHIGAN		MINNESOTA				MISSISSIPPI						MISSOURI					
4.625%	5%		4%	6%	6%	6.5%	7%	8.5%	5%	6%	7%	8%	8.5%	9%	9.25%	4.225%	4.6%	4.625%		
0	227	0	0	0	0	0	161	0	0	123	0	0	0	0	123	0	9.25	0	0	227
1	248	1	1	1	1	1	176	1	1	135	1	1	1	1	135	1	5002	1	1	248
13	270	1	12	10	1	1	192	1	1	147	6	1	1	1	147	1	0	1	1	270
10	291	9	31	24	8	7	207	7	5	158	11	8	7	6	5	158	5	5	11	291
32	313	29	54	41	24	23		21	17	170	26	24	21	18	17	170	16		35	313
54	335		81	58	41	38		35	29	182	47	41	35	31	29	182	27		59	335
75	356		108	74	58	53		49	41	194	68	58	49	43	41	194	38		82	356
97	378		135	91		69		64	52	205	88	74	64	56	52	205	49		97	378
118	399		162	108		84		78	64		109	91	78	68	64		61			399
140	421		187	124		99		92	76		129	105	92	81	76		72			421
162	443					115		107	88				107	93	88		83			443
183						130			99					99	99		94			183
205						146			111					111	105		105			205

MISSOURI																		
4.725%	4.75%	4.8%	4.975%	5.05%	5.1%	5.225%	5.6%	5.625%	5.725%	6.1%	6.225%	6.3%	6.425%	6.475%	6.55%	6.725%	7.225%	
0	0	0	0	211	0	0	5.225	0	187	0	5.725	0	0	168	0	160	6.725	7.225
1	1	1	1		1	1	5002	1	205	1	5002	1	1	184	1	178	1	5002
4	3	3	1		5	1		15	223	1		1	2	200	8	198	9	190
10	10	10	10		9	9		8	241	8		8	8	216	7	214	7	
31	22	31	30		19	29		26	258	26		24	24	232	23	230	23	
52	43	52	50		39	49		44	276	44		40	40	248	39	246	38	
74	65	72	70		59	68		62	294	62		57	56	265	55	264	54	
95	86	93	90		79	88		80	312	79		73	72	271	71	270	69	
116	107	114	110		98	107		98	330	97		90	88	287	87	286	84	
137	128	135	130		118			115	348	115		104	103	298	101	297	100	
158	149	156	150		138			133	366	133		120	119	308	116	307	115	
179	170	177	170		158			151	383	151		136	134	319	132	318	131	
201			190		178			160		168		152	150	330	147	329	146	

NEBRASKA								NEVADA								
3%	3.5%	4%	4.5%	5%	5.5%	6%	6.5%	3%	3.5%	5.75%	6%	6.25%	6.5%	6.75%	7%	
0	0	0	0	233	0	0	190	0	0	161	0	0	167	0	161	0
1	1	1	1	255	1	1	209	1	1	176	1	1	183	1	176	5002
3	3	2	6	277	2	2	227	1	1	192	2	2	199	1	192	0
16	14	14	14	299	14	14		8	7	207	14	14	215	7	207	7
49	42	37	33	322	29	27		24	23		49	38	24	23		23
83	71	62	55		49	45		41	38		83	64	41	39		38
116	99		77		63			58	53		116	88	58	55		53
149	128		99		81			69			149	118	74	71		69
183	157		122		99			84				157	87	84		78
	185		144		118			99				185	103	99		92
	214		166		136			115				214	119	115		107
	242		188		154			130				242	135	130		
	271		211		172			146				271	151	146		

E

NEW HAMPSHIRE			NEW JERSEY				NEW MEXICO								
7%	Rooms & Meals 7%	Rooms & Meals 8%	3%	3.5%	6%	7%	3.75%	4.25%	4.375%	4.5%	4.875%	5.175%	5.25%	5.375%	5.575%
0	129	0	0	0	0	150	0	280	0	247	0	239	0	4.875	5.175
1	143	1	1	1	1	164	1	306	1	270	1	1	1	5002	5002
8	158	8	17	14	10	10	13	359	11	317	11	11	11	11	9
14	172	35	41	42	22	21	40		35	341	34	33	33	28	28
26	186	35	71	71	38	35	67		58	364	57	55	55	47	47
39	201	38	117	100	56	50	93		82	388	79	78	78	66	66
51		50		128	72	64	120		105	411	102	100	100	85	85
63		62		157	88	78	146		129		125	122	122	104	104
75		74		185	110	92	173		152		148	144	144	123	123
88		87		214		107	200		176		171	167	167	142	142
101		100				121	226		199		194	189	189	161	161
115		114				135	253		223		217	211	211	180	180

NEW MEXICO			NEW YORK													SUFFOLK County	
5.75%	6.187%	6.1875%	4%	5%	5.25%	5.75%	6%	6.25%	6.5%	6.75%	7%	7.25%	7.5%	8%	8.25%	8.5%	
5.75	0	6.187	0	0	5.25	5.75	0	141	0	0	130	6.75	0	121	7.25	0	113
5002	1	5002	4	0			1	158	1	1	146	5002	1	135	5002	1	126
	4	0	5	6			7	7	7	1	161		8	149		8	139
	9	8	12	10			10	10	10	7	176		10	164		10	144
	23		33	27			22	22	23	192		20	178		18	17	17
	40		58	47			38	38	38	207		33	192		31	29	29
	56		83	67			56	54	53			47	207		45	42	42
	72		112	87			72	70	69			62			58	55	54
	88		137	109			88	86	84			76			71	67	67
	104			129			108	103	99			91			85	80	79
	120						124	119	115			107			99	92	92
	136																
	153																

Part 4

NORTH CAROLINA							NORTH DAKOTA								OHIO				
3%	4%	4.5%	5%	CHEROKEE Reservations	6%	6.5%	3%	4%	4%	5%	5.5%	6%	6.5%	7%	8%	5%	5.5%	5.75%	
0	0	0	188	0	0	0	0	0	0	0	182	0	0	170	0	0			
1	1	1	211	1	1	1	1	1	1	1	200	1	1	185	1	1			
4	5	6	233	6	2	2	1	161			219	3	2	200	2	3	0	0	146
9	9	9	255	8	10	8	7	179				17	31	231	15	15	1	1	164
35	29	25	277	23	24	24	22	192				50	62	43	38	20	18	218	5002
70	59	53	299	48	41	41	38	207				67	77	58	50	40	36		
116	84	75	322	67	58	58	53					91	84	93	72	63	54		
149	112	95		85	74	74	69					110		108	86	75	72		
183	137	122		109	91	84						128		124	100	88	90		
216		144		129	108	99						146		139	115	100	109		
		166			124	115						164		154			127		

Tax Tables

OHIO										OKLAHOMA									
MEIGS Co.					CUYAHOGA Co.					2%	3%	3.25%	4%	4.25%	4.5%	5%	5.25%	6%	6.25%
6%	6%	6.25%	6.5%	6.75%	7%	7%	7%	7.35%	7.75%	0	0	0	0	4.25	0	0	5.25	0	0
0	0	134	0	123	0	118	0	115	0	115	0	323	0	5002	1	1	5002	0	0
1	1		1	138	1	133	1	128	1	128	1	353	1		1	1		1	1
2	3		2	153	3	148	3		3	3	7	384	1		2	1		1	1
15	16		15	169	15	162	15		15	15	46	446	37		33	29		24	23
17	17		16	184	15	177	15		15	15	83	76	476		55			8	7
34	34	32	30	200	29	192	28		28	27	107	507		77			8	7	
50	50		46	215	44		42		42	41	138	538		99			24	23	
67	67		61	230	59		57		57	55	169	569		121			41		
83	83		76	74	71		71		71	68	199	599		144			41		
100	100		92	88	85		85		85	82	230						41		
117	117		107	103	100		100		100	96	261						41		
											292								

OKLAHOMA							P PENNSYLVANIA		R RHODE ISLAND		S SOUTH CAROLINA			SOUTH DAKOTA			
6.725%	7%	7.25%	7.375%	8%	8.25%	9.25%	6%	7%	6%	7%	4%	5%	5%	5.5%	6%		
6.725	0	7.25	7.375	0	0	0	0	150	0	149	0	0	0	0	0	0	
5002	1	5002	5002	1	1	1	1	150	1	164	1	1	1	1	1	1	
	6		0	1	1	1	1	167	6	178	5	6	2	1	1	1	
	8		6	6	5	4	10	184	9	192	10	10	10	12	10	10	
	22		18	18	16	14	17	210	26	210	25	20	24	37	30	28	
	37		31	30	27	24	34	217	42	221	50	40	41			46	
	51			42	37	34	50	234	57	235	75	60	41			64	
	65			54	48	43	67	250	73	249	112	80	58			82	
	79			66	59		84	250	90	264	137	109	74			100	
	94			78	70		110	84	106	92		129	91			118	
	108			90	81		110	110	123	107			108			136	
	122			103	91		117	117	140	121			124			154	
							134			135						172	

SOUTH DAKOTA			TENNESSEE												
6.5%	7%		4.5%	5.5%	6%	6.25%	6.5%	6.75%	7%	COUNTY TAX	7.5%	7.75%	8%	8%	8.25%
0	161	149	0	154	0	0	0	0	0	7.25%	7.5%	7.75%	8%	8%	8.25%
1	176	1	1	172	1	1	1	1	1	117	130	1	1	1	106
1	192	4	1	190	2	2	2	2	2	130	144	2	2	2	5002
7	207	7	1	209	10	10	10	10	10	144	158	10	10	10	1
			33	227	24	23	23	22	22	172	191	20	18	18	1
23	21		55	245	41	39	38	37	39	185	213	34	33	33	1
38	35		77	263	58	55	53	51	51	219	249	48	43	43	1
53	49		99	281	74	71	69	66	66	229	264	61	59	56	1
69	64		122	299		87	84	81	81	278	319	75		68	1
84	78		144	318			99	96	96	299	342	89		81	1
99	92		166	336			115	111	111	307	353	103		93	1
115	107														
130	121														
146	135														

E

TENNESSEE			TEXAS															
8.5%	8.75%		4%	4%	4.125%	4.625%	5%	5.125%	5.25%	5.375%	5.5%	5.625%	6%	DALLAS	HOUSTON (Harris County)	6.125%	6.25%	
0	99	8.75	0	0	0	181	4.625	0	5.125	0	142	5.375	0	137	0	133	0	0
1	111	5002	1	1	1	206	5002	1	5002	1	161	5002	1	155	1	151	1	1
2	123		1	1	1	230		1		12	180		1	173	1	168	1	1
10	135		12	12	12	254		9		9	199		9	191	8		8	9
17	147		37	37	36	278		29		28	209		27	209	26		24	25
29	158				62	303		49		47			45	44		41	42	41
41	170				87	327		69		66			63	62		58	59	58
52	182					351				85			81	79				74
64	194					375				104			99	97				91
76	205					399				123			118	115				108
88	217																	103

U

TEXAS								UTAH										
6.25%	6.75%	7%	7.25%	7.5%	7.75%	8%	8.25%	4.75%	5%	5.25%	5.375%	5.5%	5.75%	5.875%	6%	6.125%	6.25%	7%
0	221	0	0	0	199	0	0	190	5.75	5.875	0	6.125	5.875	5.875	0	6.125	6.25%	0
1	242	1	1	1	219	1	1	209	5002	5002	1	5002	5002	5002	1	5002	1	1
1	263	1	1	1	238	1	1	209			1				0	2	0	4
10	284	9	9	9	257	9	9				9				8	8	8	7
31	305	29	28	27	27	27	27				27				24	23	23	21
52	326		47	295	46	45					45				41	27	27	35
73	347		66	314	65	63					63				58	47	49	
94	368		85	333	83	81					81				74	63	64	
115	389		104	352	102	99					99						78	
136	410		123	371	118	118					118						92	
157			142	390	136	136					136						107	
178			161	409	154	154					154							
199			180		172	172					172							

Part 4

V

UTAH		VERMONT					VIRGINIA									
7.25%		3%	4%	5%	6%	8%	ARLINGTON COUNTY		FAIRFAX		FAIRFAX CITY Meals tax	HAMPTON Restaurant	LEESBURG Meal tax	RICHMOND Restaurant		
7.25	5002	0	0	0	6	0	4%	4.5%	5%	5.5%	6.5%	7%	7%	7%		
1	1	1	1	1	5002	1	4%	4.5%	5%	5.5%	6.5%	7%	7%	7%		
4	2	2	2	10	0		4%	4.5%	5%	5.5%	6.5%	7%	7%	7%		
13	10	10	10	18		0	214	484	0	0	188	0	169	0		
33	25	20	16	31	1	234	512	1	1	211	1	1	166	1		
66	50	40	33	43	21	259	537	2	5	233	1	4	188	1		
100		80	50	56	14	284		12	15	255	9	11	211	11		
133		100	66	68	34	314		37	33	277	29	14	233	24		
166		120	83	81	59	334		62	55	299	49	33	249	33		
200		140	100	93	84	359		87	77		69	55	255	55		
			116	100	114	384		112	99		89	77		74		
			133		134	414		137	122		109	99		77		
			150		159	434			144		129	122		99		
					184	459			166		149	144		122		
														114		
														259		
														107		
														114		

E

Tax Tables

W

VIRGINIA										
ALEXANDRIA 7.5%	NEWPORT NEWS 7.5%	RICHMOND 7.5%	Restaurant 8%	ROANOKE CITY VA BEACH 8.5%	9%	NORFOLK CITY Meal tax 9%	CITY OF RICHMOND Food tax 9.5%	9.5%		
7.5 5002	0 116 1 122 1 144 1 149 16 166 33 183 49 188 55 211 77 83 99	0 1 2 5 6 14 19 34 33 44 46 44 59 59 84 84	0 114 1 114 2 134 34 159 33 44 44 59 59 84 84	0 99 1 112 11 137 12 144 33 162 37 166 55 187 62 188 77 211 87	9 5002	0 99 1 99 6 122 11 122 33 144 44 144 44 166 55 166 55 188 77 188 77 211	0 89 1 99 1 110 5 121 15 131 26 142 36 152 47 163 57 173 68 184 78 194	0 89 1 99 1 109 9 122 11 129 29 144 33 149 49 166 55 169 69 188 77 189	0 89 1 99 1 109 9 122 11 129 29 144 33 149 49 166 55 169 69 188 77 189	0 89 1 99 1 109 9 122 11 129 29 144 33 149 49 166 55 169 69 188 77 189

WASHINGTON		
7%	7.2%	7.3%
0 1 1 1 7 21 20 35 49 64 78 92 107	0 131 1 1 6 20 34 48 62 76 90 104 118	0 129 1 143 1 156 6 170 19 184 33 198 47 211 61 225 74 239 88 252 102 115


WASHINGTON									
7.5%	7.55%	4.125%		7.8%	7.9%	8%	8.1%	Combined 8.1%	8.7%
0 126 1 139 1 153 6 166 19 179 33 193 46 206 59 73 86 99 113	0 1 3 151 7 6 19 18 33 32 46 46 59 72 85 98 111	0 124 282 138 151 164 177 188 190 203 217 230 243 256 269	7.8 0 0 7 6 19 18 31 31 44 57 70 83	0 1 1 6 6 18 18 31 31 44 56 67 80 92 104	0 1 1 6 6 18 18 30 30 43 55 67 80 92 104	8.1 0 1 14 14 154 16 17 179 191 203 203 203 203 203 203 203 203	8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1	0 1 1 5 5 16 17 28 43 55 67 80 92 104	0 1 1 5 5 16 17 28 43 55 67 80 92 104

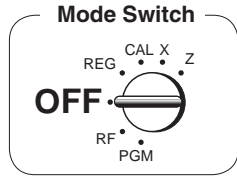
WEST VIRGINIA					
2%	3%	4%	5%	6%	
0 1 2 25 50 100	0 1 2 5 35 70 100 135	0 1 1 12 37	0 1 2 5 20 40 67 116	0 1 2 5 16 33 50 67 84 100 116	0 1 1 2 5 16 33 50 67 84 100 116

WISCONSIN				
4%	5%	5.5%		5.6%
0 1 1 1 12 10 9 37	0 1 1 1 10 9 21 110	0 190 209 1 9 27 45 63 81 99 118 136 154 172	0 1 1 1 9 27 45 63 81 99 118 136 154 172	0 1 1 1 9 27 45 63 81 99 118 136 154 172

WYOMING			
3%	4%	5%	6%
0 1 2 24 49 83 116 149	0 1 2 24 37 62 69 89 109	0 1 2 24 29 49 51 68 84	0 1 3 24 24 34 34 68 84

► To replace the ink roll

- ① Turn to the OFF mode and remove the printer cover.
- ② Lift up the tab on the ink roll marked “PULL UP”.
- ③ Install a new Ink Roll and press it down firmly but gently until it snaps into place.
- ④ Replace the printer cover onto the cash register.
- ⑤ Turn to the REG mode and press the  key to check for correct operation.



**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.

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