PCR-275

Electronic Cash Register

User's Manual

START-UP is QUICK and EASY!
Simple to use!
10 departments and 100 PLUs
Automatic Tax Calculations
Calculator function

CASIO® CI

Introduction

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.
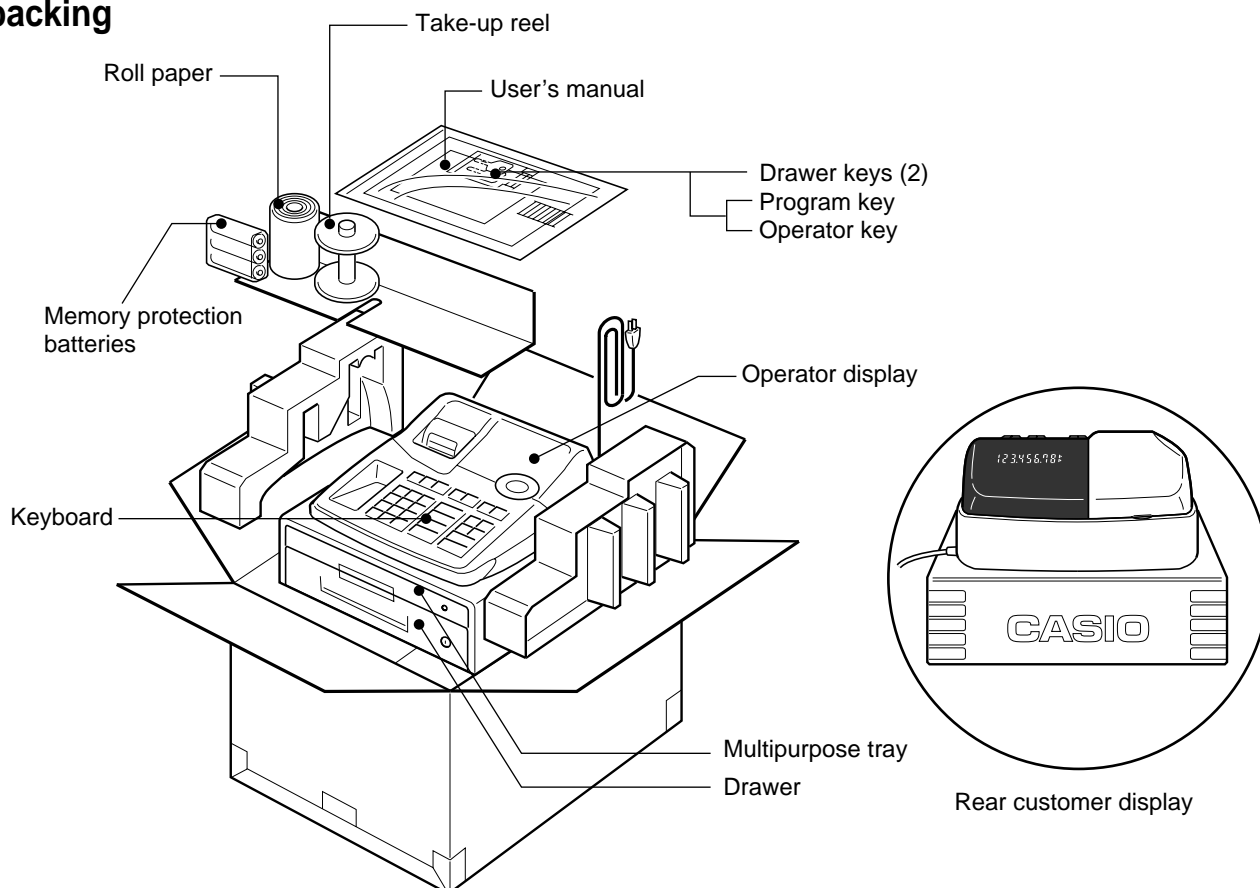Be sure that the cloth is thoroughly wrung out to avoid damage to the printer.
Never use paint thinner, benzene, or other volatile solvents.
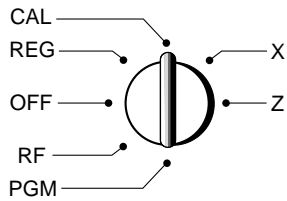
Contents

Before you start

Unpacking

Getting to know your cash register

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

PGM   RF   OFF   REG   CAL   X   Z

OP Key
PGM Key
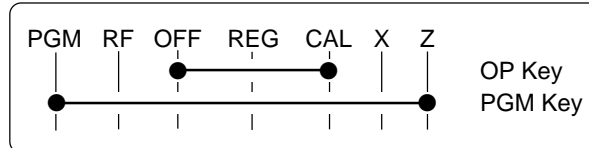
Note:

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

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.
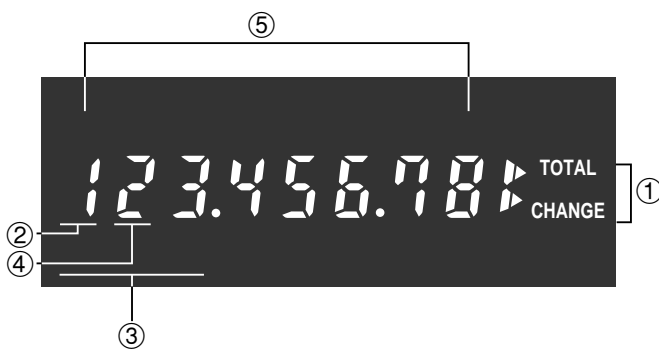
X (Read)
This is the position used to produce reports of daily sales totals without clearing the totals.
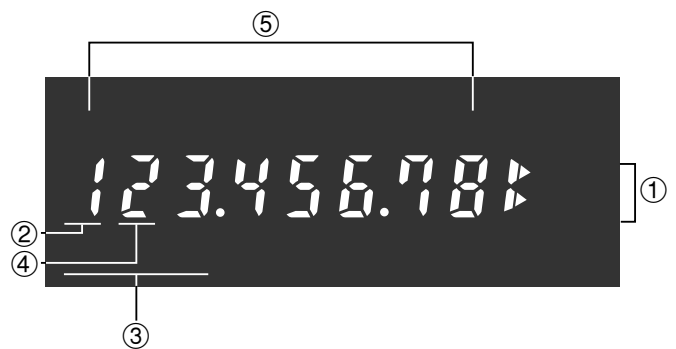
Z (Reset)
This is the position used to produce reports of daily sales totals. This setting clears the totals.

Displays

Operator Display

⑤

1 2 3 . 4 5 6 . 7 8 ▶ **TOTAL** **CHANGE** ①

② ④ ③

Rear Customer Display

⑤

1 2 3 . 4 5 6 . 7 8 ▶ ①

② ④ ③

① Total/Change Display

The total (upper segment) or change (lower segment) sign appears when a subtotal, total or change is obtained.

② Department Number Display

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

③ PLU Number Display

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

④ Number of Repeat Display

Anytime you perform "repeat registration" (page 13), the number of repeats appears here.
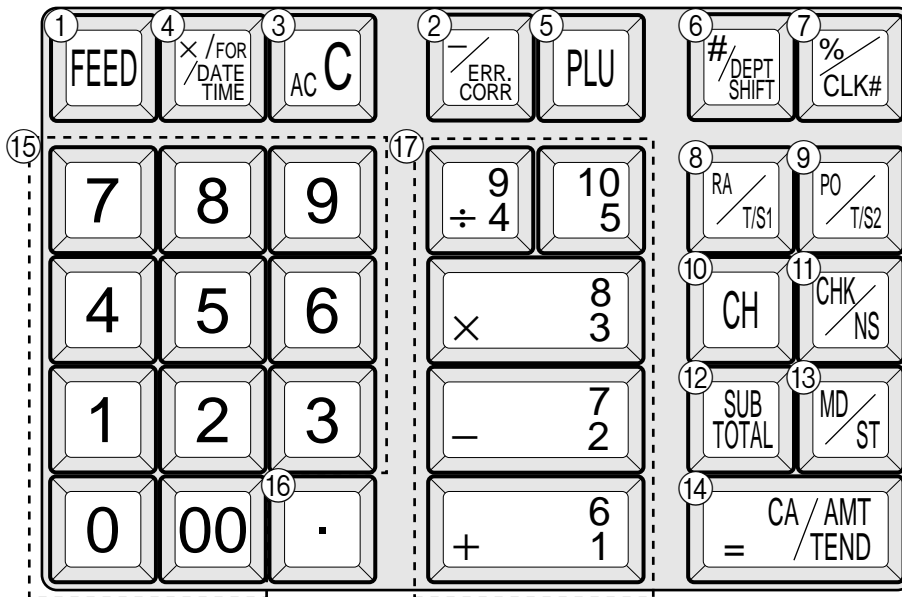Note that only one digit is displayed for the number of repeats.

⑤ 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 ⊘ ERR CORR — Minus/Error Correction key

③ AC c — Clear key

④ ×/FOR DATE TIME — Multiplication/For/Date Time key

⑤ PLU — PLU (Price Look Up) key

⑥ #/DEPT SHIFT — Reference Number/Department Shift key

⑦ %/CLK# — Percent/Cashier ID No. Assignment 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 CH — Charge key

⑪ CHK/NS — Check/No Sale key

⑫ SUB TOTAL — Subtotal key

⑬ MD/ST — Merchandise Subtotal key

⑭ =/CA/AMT TEND — Cash Amount Tendered key

⑮ 0, 1, ~ 9, 00 — Numeric keys and 2-zero key

⑯ · — Decimal key

⑰ [6/+1], [7/-2], [8/×3], [9/÷4], [10/5]

  Department keys

- Department 6 through 10 are specified by pressing the #/DEPT SHIFT key respectively as follows:

  #/DEPT SHIFT [6/+1] → Department 6   #/DEPT SHIFT [7/-2] → Department 7

  #/DEPT SHIFT [8/×3] → Department 8   #/DEPT SHIFT [9/÷4] → Department 9

  #/DEPT SHIFT [10/5] → Department 10

Calculator Mode

③ AC c — AC key

⑤ PLU — Memory Recall key

⑦ %/CLK# — Percent key

⑮ 0, 1, ~ 9, 00 — Numeric keys and 2-zero key

⑯ · — Decimal key

⑰ [+6/1], [−7/2], [×8/3], [÷9/4]

  Arithmetic Operation key

⑭ =/CA/AMT TEND — Equal key

⑪ CHK/NS — Drawer Open key

Daily Job Flow
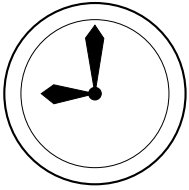
Before Opening The Store

1. Plugged in?
2. Enough Roll Paper?
3. Date and Time is correct?
4. Enough small change in the drawer?
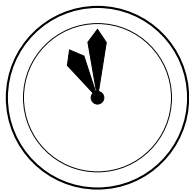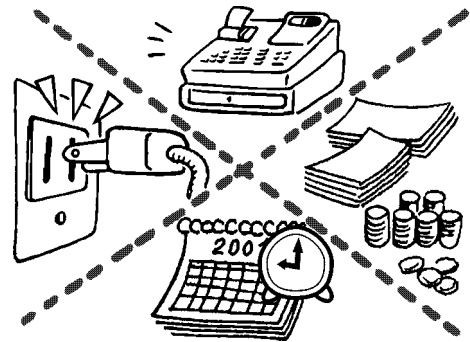
While The Store Is Open

1. Registrations.
2. Issuing latest daily sales total if needed.
    (Generating report by Mode Switch to
    X position.)
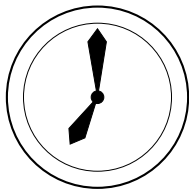
After Closing The Store

1. Issuing Daily Sales Total.
    (Resetting report by Mode Switch to Z
    position.)
2. Picking up money in the drawer.
3. Turn the Mode Switch to OFF.
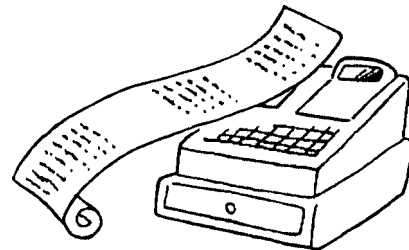
When the cash drawer does not open!

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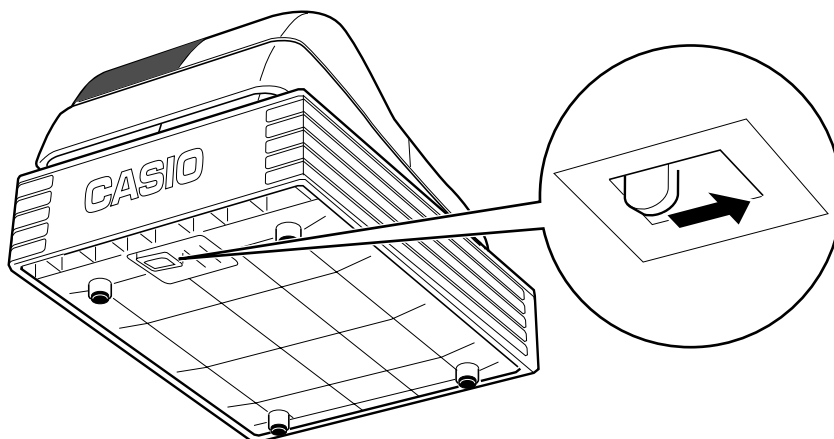
Important!
The drawer will not open, if it is locked with a drawer lock key.

Part-1 ▷▷▷ *QUICK START OPERATION*

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

◗ To load the memory protection batteries
1. Remove the printer cover.
2. Press down on the oval just behind the printer paper inlet, and slide the battery compartment cover toward the back of the cash register.
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. Slide the memory protection battery compartment cover back into place.
5. Replace the printer paper and printer cover.
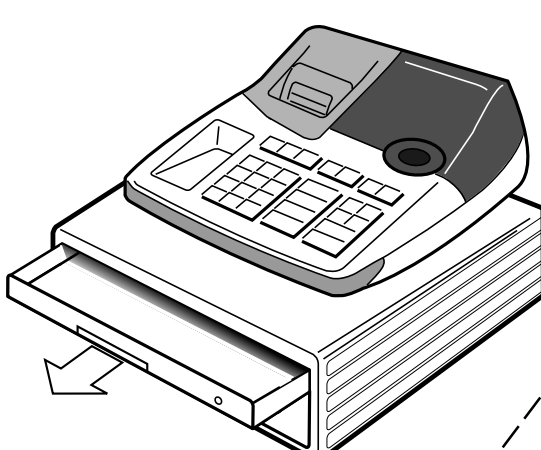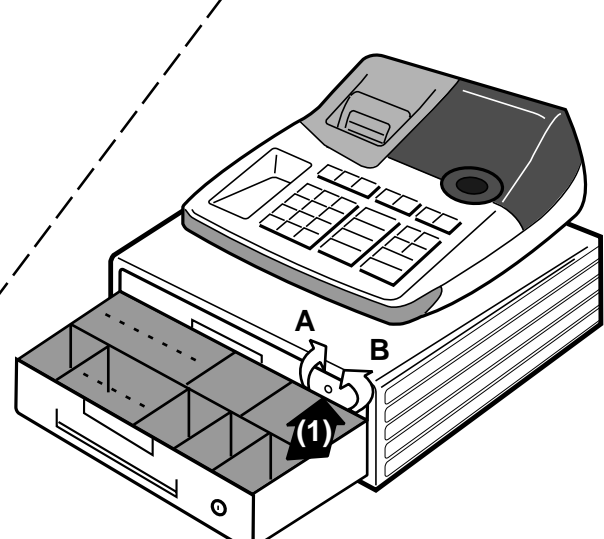
REPLACE MEMORY PROTECTION BATTERIES AT LEAST ONCE EVERY YEAR.

To open the multipurpose tray

To lock/unlock the multipurpose tray
A. Turn the lever (1) clockwise to lock the tray (the indicator becomes red).
B. Turn the lever (1) counterclockwise to unlock the tray (the indicator becomes green).

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

Mode Switch to REG

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.

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

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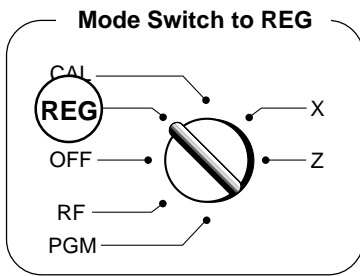
⑧ Replace the printer cover by placing the cover's front tab into the register's groove.

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.

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

Default printer setting is for Journal.
To print receipts, please refer to 1-7-3 on page 23 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.

Mode Switch to OFF
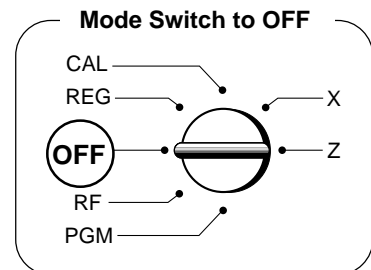
❱ To replace the ink roll

① 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 Press the CHK/NS key to check for correct operation.

3.   Basic Programming for QUICK START

Mode Switch

CAL
REG ——————— X
OFF ——————— Z

PGM

Part-1

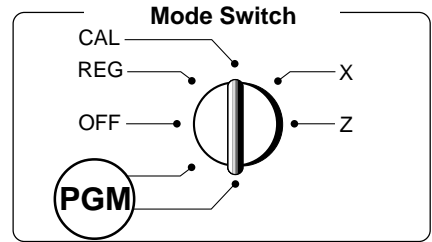| Procedure	Purpose
1. Insert the PROGRAM key (marked "PGM") and rotate to PGM position.	Programming
2. Press the following keys to set the current time. Example: 13:18 PM = 1318 **1** **SUB TOTAL** P appears in mode display **1** **3** **1** **8** **X/FOR /DATE /TIME** **AC C** (to end the time setting) └ Time ┘ └ Minutes ┘ • Enter 4 digits • 24-hour time format	Setting the current time
3. Press the following keys to set the current date. Example: July 19, 2000 = 000719 **1** **SUB TOTAL** P appears in mode display **0** **0** **0** **7** **1** **9** **X/FOR /DATE /TIME** **AC C** (to end the date setting) └ Year ┘ └ Month ┘ └ Date ┘ • Enter 6 digits • Enter last 2 digits for year set. (2000 → 00)	Setting the current date
4. For USA Find the tax table for your state on pages 9 through 12 of this manual. Press the following keys to set the tax tables 1 and 2. Example 1: Set Alabama state tax 4%. **3** **SUB TOTAL** P3 appears in mode display **0** **1** **2** **5** **SUB TOTAL** Program set code No. for tax table 1 **0** **= CA/AMT /TEND** 1st code for 4% **1** **= CA/AMT /TEND** **1** **= CA/AMT /TEND** **1** **0** **= CA/AMT /TEND** **3** **0** **= CA/AMT /TEND** **5** **4** **= CA/AMT /TEND** **7** **3** **= CA/AMT /TEND** **1** **1** **0** **= CA/AMT /TEND** Last code for 4% **SUB TOTAL** (to end the setting)	Setting the Tax table 1

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

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

Mode Switch

CAL
REG — X
OFF — Z
PGM

Procedure	Purpose

Example 2: Set Colorado state tax 5.25%.

3 SUB TOTAL		P3 appears in mode display
0 2 2 5 SUB TOTAL		Program set code No. for Tax table 2
5 · 2 5 = CA/AMT TEND		5.25% tax
5 0 0 2 = CA/AMT TEND		50 for Round off and 02 for Add On
SUB TOTAL		(to end the setting)

Setting the Tax table 2

COLORADO
5.25%
5.25
5002

• Tax table 2 programming can set only tax rate, but not for a tax break point.

4. For CANADA
   Find the tax table for your province on page 12 of this manual.
   Press the following keys to set the tax tables 1 and 2.

   Example 1: Set Quebec tax 9%.

3 SUB TOTAL	P3 appears in mode display
0 1 2 5 SUB TOTAL	Program set code No. for tax table 1
9 = CA/AMT TEND	9% tax
9 0 0 2 = CA/AMT TEND	90 for round up and 02 for Add On.
SUB TOTAL	(to end the setting)

Setting the Tax table 1

CANADA
QUEBEC
9%
9
9002

• Tax table 1 programming is used for the tax table includes break points and tax rate.

Example 2: Set Ontario tax 10%.

3 SUB TOTAL	P3 appears in mode display
0 2 2 5 SUB TOTAL	Program set code No. for tax table 2
1 0 = CA/AMT TEND	10% tax rate
5 0 0 4 = CA/AMT TEND	50 for Round off and 04 for tax on tax code
SUB TOTAL	(to end the setting)

Setting the Tax table 2

CANADA
ONTARIO
10%
10
5004

• Tax table 2 programming can set tax rate and the tax table includes Tax-on Tax code (5004) as above example, but not for a tax break point.

Tax status for the Departments are fixed as follows:
   Departments 1~5:   Taxable status 1 and 2.
   Departments 6~10:   Non-Taxable status.

• See page 18 to change the fixed tax status.

Tax Tables for U. S. A.

A

ALABAMA

4%	5%	6%	6%	6% (4+1+1)	7%	8%
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
10	10	8	9	10	7	6
30	29	24	20	20	21	18
54	49	41	40	36	35	31
73	69	58	55	54	49	43
110	89	70	70	64	56
	110	90	85	78	68
		109	110	92	81
				107	93
					106

ALASKA

KENAI 2%		3%	HOMER/ SELDOVIA 3%	HAINES 4%	JUNEAU 4%	KENAI 5%		KENAI,SEWARD & SOLDOTNA 5%		6%	
0		0	0	0	0	0	177	0		6	159
1		1	1	1	1	1	184	1		2	179
1		4	4	2	1	6	218	1		29	199
25		34	25	19	12	13		25		29	219
75		49	34	37	37	25		29		49	239
		83	75	62		46		49		69	259
		116	127			75		69		89	259
		150	155			79		89		109	279
		183	177			118		109		109	300
		216	227			127				129
						151				159

ARIZONA

4%	5%	6%		6.5%		6.7%		7%
0	0	0	175	0	161	0	156	0
1	1	1	191	1	176	1	171	1
1	5	9		7	192	7	186	1
12	10	10		7	207	7	201	7
37	27	22		23	223	22	216	21
	47	39		38	238	37	231	35
	68	56		53	253	52	246	49
	89	73		69	269	67	261	64
	109	90		84	284	82	276	78
		107		99	299	97	291	92
		125		115		111		107
		141		130		126	
		158		146		141	

ARKANSAS

3%	4%	5%	6%	6.8%	7%	7.5%
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	2	1	2
14	12	10	8	6	7	6
44	37	20	24	19	21	19
74		40	41	33	35	33
114		60	58	46	49	46
		80			64
		110			78
					92
					107

C

CALIFORNIA

6%		6.25%	6.5%			6.75%	7%			7.25%		7.25%		7.5%	7.75%	8.25%	8.5%			LOS ANGELES 10% Parking	
0	141	0	0	130	299	6.75	0	121	278	7.25	117	7.25	0	7.75	8.25	0	99	0	99
1	158	1	1	146		5002	1	135	292	5002	131	5002	1	5002	5002	1	111	99	99
7		7	7	161		0	8	149	307	0			3			1	123	11	104
10		10	10	176		10	10	164		10			6			5	135	99	114
22		21	20	192		20	20	178		20			19			17	147	99	124
39		37	35	207		34	33	192		32			33			29	158	99	134
56		54	51	223		48	47	207		46			46			41	170	99	144
73		70	67	238		64	62	221		60			59			52	182	99	154
90		86	83	253		80	76	235		74			73			64	194	99
108		103	99	269		96	91	249		88						76	205	99
124		119	115	284		111	107	264		103						88		99

COLORADO

1.5%	2%	2.5%	3%	3.5%	3.6%		3.85%	4%	4.5%		LOVELAND 5%	5%	5.25%	5.5%		5.6%		5.75%		6%		6.1%	6.35%	6.4%	6.45%
0	0	0	0	0	0	264	0	0	0	211	0	0	5.25	0	172	0	168	0	165	0		6.1	6.35	6.4	6.45
1	1	1	1	1	1	291	1	1	1	233	1	1	5002	1	190	1	186	1	182	1		5002	5002	5002	5002
1	1	1	3	2	5	319	2	2	5	255	2	1		6	209	7	204	8	199	2		0		0	0
33	24	19	17	17	17	347	16	17	17	277	17	18		17	227	16	222	17	217	17		17		17	17
99	74	59	49	42	41	375	37	37	33	299	29	18		27	245	25	240	26		24
166			83	71	69		63	62	55		49	51		45	263	43		43		41
233			116	99	97				77			68		63	281	61		60		58
			149	128	124				99			84		81	299	79		78		74
			183	157	152				122			118		99		97		95
				185	180				144					118		115		113
				214	208				166					136		132		130
				242	236				188					154		150		147

COLORADO

6.5%		6.6%	7%		7.01%	7.1%	7.2%		7.25%	7.3%		7.5%	8%
0	146	6.6	0	135	7.01	7.1	0	131	7.25	0	130	0	0
1	161	5002	1	149	5002	5002	1	145	5002	1	143	1	1
2	176		4		17		2	159		3	157	3	1
17	192		17		21	35	17	173		6	171	17	6
23	207		21		35	49	20	187		20		19	18
38	223		35		49	64	34	201		34		33	31
53			49		64		48	215		47		46	43
69			64				62	229		61		59	56
84			78				76	243		75		73	68
99			92				90	256		89			81
115			107				104			102			93
130			121				118			116			106

CONNECTICUT

5.25%		6%	7%	7.5%	8%
0	198	0	0	0	0
1	218	1	1	1	1
2		2	1	3	1
16		8	7	6	6
27		24	21	19	18
46		41	35	33	31
65		58	49	46
84		74	64	59
103		91	78	73
122		108	92
141		124	107
160
179

D

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	105
1	5002	1	1	1	1	116
1	0	1	1	1	6	127
10	8	12	8	12	6	138
22		17	24	16	16	149
42		35	41	27	27	161
82		53	58	39	38
62		71	74	50	49
110		89	91	62	61
		112	108	75	72
				90	83
				112	94

F

FLORIDA

4%		5%	Combined 5.25%	6%	6.2%	PANAMA CITY BEACH 6.5%		7%		7.5%	
0	175	0	5.25	0	6.2	0	107	0	109	0	93
1	209	1	5002	1	5002	1	123	1		1	106
5		1		1		1	138	1		1	120
9		9		9		9	153	9		9	133
25		20		16		15	169	14		13	146
50		40		33		30	184	28		26	160
75		60		50		46	209	42		40	173
109		80		66		61		57		53	186
125		109		83		76		71		66	209
150				109		92		85		80	

G

GEORGIA

3%	4%	5%	6%
0	0	0	0
1	1	1	1
1	1	1	1
10	10	10	10
35	25	20	20
66	50	40	35
110	75	60	50
	110	80	67
		110	85
			110

H

HAWAII

4%
0
1
1
12
37

Part-1 QUICK START OPERATION

I

IDAHO

3%	4%	4.5%	5%
0	0	0	[227] 0
1	1	1	1
1	2	2	2
15	11	15	11
42	32	27	25
72	57	49	45
115		71	
		93	
		115	
		137	
		160	
		183	
		205	

ILLINOIS

1%	1.25%	2%	5%	6%	6.25%	6.5%		6.75%	7%	7.5%	7.75%	8%	8.75%
0	0	0	0	0	0	0	161	6.75	0	0	7.75	0	8.75
1	1	1	1	1	1	1	176	5002	1	1	5002	1	5002
1	1	1	6	1	1	1	192		1	1	0	1	0
49	39	24	12	8	7	7	207		8	6	6	6	5
148	119	74	25	24	23	23			22	19		18	
			46	41	58	38			36	33		31	
			67	58		53			50	46			
			88			69			65				
			109			84			79				
			129			99			93				
						115			108				
						130							
						146							

INDIANA

1%	4%	5%	MARION County 5%	RESTAURANT 6%
0	0	0	0	0
1	1	1	1	1
1	2	1	2	1
49	15	9	15	9
148	37	29	37	29
	62		49	49
			62	49
			87	69
			112	89
			137	109

K

IOWA

4%	5%	6%
0	0	0
1	1	1
3	1	1
12	9	8
37	29	24
50		41
75		58
		74
		91
		108

KANSAS

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%
0	0	3.1	[323] 0	0	[279] 0	0	4.1	0	0	5.25	[190] 0	5.65	5.9	0	6.15	6.4	6.5
1	1	5002	[353] 1	1	[306] 1	1	5002	1	1	5002	[209] 1	5002	5002	1	5002	5002	5002
1	1	0	[384] 1	1	[333] 1	1	0	1	9		1	0	0	7	0	0	0
19	16	16	[415] 15	14	[359] 13	12	12	11	29		9	8	8	8	8	7	7
59	49		46	42	[386] 39	37		33			27			24			
99	83		76	71	[413] 66	62		55			45			41			
139	116		107	99	93	87		77			63			58			
179			138	128	119	112		99			81			74			
			169	157	146			122			99			91			
			199	185	173			144			118			108			
			230		199			166			136			124			
			261		226			188			154			141			
			292		253			211			172			158			

L

KENTUCKY

9.5%		10%
0	110	0
1	121	1
1	131	1
5	142	4
15	152	14
26	163	24
36	173	34
47	184	44
57	194	54
68		64
78		74
89		84
99		94

LOUISIANA

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

M

MAINE

5%	6%	7%
0	0	7
1	1	2
1	1	0
10	9	7
20	16	21
40	33	35
60	50	49
80	66	64
110	83	78
	109	92
		100

MARYLAND

4%	5%	Meals Tax 5%
0	0	0
1	1	1
2	2	7
24	19	99
25	20	99
50	40	99
		99
		99
		100
		120
		140

MASSACHUSETTS

4.625%		5%
0	227	0
1	248	1
13	270	1
10	291	9
32	313	29
54	335	
75	356	
97	378	
118	399	
140	421	
162	443	
183		
205		

MICHIGAN

4%	6%
0	0
1	1
7	2
12	10
31	24
54	41
81	58
108	74
135	91
162	108
187	124

MINNESOTA

6%	6.5%		7%	8.5%	
0	0	161	0	0	123
1	1	176	1	1	135
1	1	192	1	1	147
8	7	207	7	5	158
24	23		21	17	170
41	38		35	29	182
58	53		49	41	194
	69		64	52	205
	84		78	64	
	99		92	76	
	115		107	88	
	130			99	
	146			111	

MISSISSIPPI

5%	6%	7%	8%	8.5%		9%	9.25%
0	0	0	0	0	123	0	9.25
1	1	1	1	1	135	1	5002
6	1	1	1	1	147	1	0
11	8	7	6	5	158	5	5
26	24	18	17	17	170	16	
47	41	35	31	29	182	27	
68	58	49	43	41	194	38	
88	74	64	56	52	205	49	
109	91	78	68	64		61	
129	108	92	81	76		72	
		107	93	88		83	
			106	99		94	
				111		105	

MISSOURI

4.225%	4.6%	4.625%		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%	
0	0	0	227	0	0	0	0	211	0	0	5.225	0	187	0	5.725	0	168	0	166	0	163	0	162	
1	1	1	248	1	1	1	1	5002	1	1	5002	1	205	1	5002	1	184	1	182	1	178	1	177	
1	1	13	270	4	3	3	1		5	1		15	223	1		2	200	8	198	1	194	13	193	
11	10	10	291	10	10	10	10		9	9		8	241	8		8	216	7	214	7	210	7	208	
35	32	32	313	31	22	31	30		19	29		26	258	26		24	232	23	230	23	225	23	223	
59	54	54	335	52	43	52	50		39	49		44	276	44		40	248	39	246	38	241	38	239	
82	76	75	356	74	65	72	70		59	68		62	294	62		57	265	55		54	256	54	254	
	97	97	378	95	86	93	90		79	88		80	312	79		73		71		69	272	69	270	
		118	399	116	107	114	110		98	107		98	330	97		90		87		85	287	84	285	
		140	421	137	128	135	130		118			115	348	115				104		103		101	301	
		162	443	158	149	156	150		138			133	366	133				119		134		116	316	
		183		179	170	177	170		158			151	383	151				136		147		132	332	
		205		201			190		178			169		168				152		150		131	146	

N

(6.55% / 6.725% / 7.225%)

6.55%		6.725%	7.225%
0	160	6.725	7.225
1	175	5002	5002
9	190		
7			
22			
38			
53			
68			
83			
99			
114			
129			
145			

NEBRASKA

3%	3.5%	4%	4.5%		5%	5.5%		6%	6.5%	
0	0	0	0	233	0	0	190	0	0	161
1	1	1	1	255	1	1	209	1	1	176
3	3	2	6	277	2	2	227	1	1	192
16	14	14	14	299	14	14		8	7	207
49	42	37	33	322	29	27		24	23	
83	71	62	55		49	45		41	38	
116	99		77			63		58	53	
149	128		99			81			69	
183	157		122			99			84	
	185		144			118			99	
	214		166			136			115	
	242		188			154			130	
	271		211			172			146	

NEVADA

3%	3.5%	5.75%		6%	6.25%		6.5%		6.75%	7%
0	0	299	5.75	0	0	167	0	161	6.75	0
1	1	326	5002	1	1	183	1	176	5002	1
2	2	357		2	2	199	1	192	0	7
14	14			8	7	215	7	207	7	7
49	38			24	23		23		22	21
83	64			41	39		38		37	35
116	88			58	55		53			49
149	118			74	71		69			64
	157				87		84			78
	185				103		99			92
	214				119		115			107
	242				135		130			
	271				151		146			

N

NEW HAMPSHIRE

7%		Rooms & Meals 7%		Rooms & Meals 8%
0	129	0	128	0
1	143	1	142	1
8	158	8	157	4
14	172	35	171	35
26	186	35	185	35
39	201	38	200	35
51		50		37
63		62		50
75		74		62
88		87		
101		100		
115		114		

NEW JERSEY

3%	3.5%	6%	7%	7%
0	0	0	0	150
1	1	1	1	164
17	14	22	8	178
41	42	38	10	192
71	71	56	21	207
117	100	72	35	
	128	88	50	
	157	110	64	
	185		78	
	214		92	
			107	
			121	
			135	

NEW MEXICO

3.75%		4.25%		4.375%		4.5%	4.875%	5.175%	5.25%		5.375%	5.575%	5.75%
0	280	0	247	0	239	0	4.875	5.175	0	199	5.375	5.575	5.75
1	306	1	270	4		1	5002	5002	1	217	5002	5002	5002
6	333	1	294	11		11			11				
13	359	11	317	34		33			9				
40		35	341	57		55			28				
67		58	364	79		78			47				
93		82	388	102		100			66				
120		105	411	125		122			85				
146		129		148		144			104				
173		152		171		167			123				
200		176		194		189			142				
226		199		217		211			161				
253		223							180				

NEW YORK

6.187%	6.1875%
0	6.187
1	5002
4	0
9	8
23	
40	
56	
72	
88	
104	
120	
136	
153	

4%	5%	5.25%	5.75%	6%		6.25%	6.5%		6.75%	7%		7.25%	7.5%		ERIE 8%		SUFFOLK County 8%		8.25%	8.5%
0	0	5.25	5.75	0	141	0	0	130	6.75	0	121	7.25	0	113	0	105	0	106	8.25	8.5
1	1	5002	5002	1	158	1	1	146	5002	1	135	5002	1	126	1	119	1	118	5002	5002
5	6			7		7	1	161		8	149		8	139	10	131	9	131		
12	10			10		10	7	176		10	164		10		10	144	10			
33	27			22		22	23	192		20	178		18		17		17			
58	47			38		38	38	207		33	192		31		29		29			
83	67			56		54	53			47	207		45		42		42			
112	87			72		70	69			62			58		55		54			
137	109			88		86	84			76			71		67		67			
	129			108		103	99			91			85		80		79			
				124		119	115			107			99		92		92			

NORTH CAROLINA

3%	4%	4.5%		5%	CHEROKEE Reservations 6%	6%
0	0	0	188	0	0	0
1	1	1	211	1	1	1
4	5	6	233	6	2	2
9	9	9	255	8	10	8
35	29	25	277	23	24	24
70	59	53	299	48	41	41
116	84	75	322	67	58	58
149	112	95		85	74	74
183	137	122		109		91
216		144		129		108
		166				124

NORTH DAKOTA

3%	4%	4%	5%	5.5%		6%	6.5%		7%	8%
0	0	0	0	0	182	0	0	170	0	0
1	1	1	1	1	200	1	1	185	1	1
3	5	2	2	2	219	3	2	200	2	3
15	15	15	15	15		15	15	216	15	15
33	31	25	20	19		17	31	231	15	15
67	51	50	40	37		34	47		29	25
100	71	75		55		50	62		43	38
133	100	100		73		67	77		58	50
166	125	125		91		84	93		72	63
200				110			108		86	75
				128			124		100	88
				146			139		115	100
				164			154			

O

OHIO

5%	5.5%		5.75%	6%	MEIGS Co. 6%		6.25%	6.5%		7%	CUYAHOGA Co. 7%		7.75%
0	0	146	5.75	0	0	134	0	0	123	0	0	115	7.75
1	1	164	5002	1	1		1	1	138	1	1	128	5002
2	2	182		2	3		2	3	153	3	3		
15	15	200		15	16		15	16	169	15	15		
20	18	218		17	17		16	15	184	15	15		
40	36			34	34		32	30	200	28	28		
	54			50	50			46	215	42	42		
	72			67	67			61	230	57	57		
	90			83	83			76		71	71		
	109			100	100			92		85	85		
	127			117	117			107		100	100		

OKLAHOMA

2%	3%	3.25%		4%	4.25%	4.5%	5%	5.25%	6%	6.25%	6.725%
0	0	0	323	0	4.25	0	0	5.25	0	0	6.725
1	1	1	353	1	5002	1	1	5002	1	1	5002
1	1	7	384	1		2	1		1	1	
24	16	15	415	12		11	29		8	7	
74	49	46	446	37		33			24	23	
	76	76	476			55			41		
	107	107	507			77			58		
	138	138	538			99					
	169	169	569			121					
	199	199	599			144					
	230	230									
	261	261									
	292	292									

7%	7.25%	7.375%	8%	8.25%	9.25%	10.25%
0	7.25	7.375	0	0	0	0
1	5002	5002	1	1	1	1
6		0	1	1	4	1
8		6	6	6	5	4
22			18	16	14	14
37			31	30	27	24
51				42	37	34
65				54	48	43
79				66	59	
94				78	70	
108				90	81	
122				103	91	

P

PENNSYLVANIA

6%	7%	
0	0	150
1	1	150
1	5	167
10	10	184
17	17	210
34	34	217
50	50	234
67	50	250
84	67	250
110	84	
	110	
	117	
	134	

R

RHODE ISLAND

6%	7%	
0	0	149
1	1	164
6	5	178
9	7	192
26	21	207
42	35	221
57	49	235
73	64	249
90	78	264
106	92	
123	107	
140	121	
	135	

S

SOUTH CAROLINA

4%	5%	CHARLESTON 6%
0	0	0
1	1	1
5	6	2
10	10	10
25	20	24
50	40	41
75	60	41
112	80	58
137	109	74
	129	91
		108
		124

SOUTH DAKOTA

4%	5%	5.5%		6%	6.5%		7%	
0	0	0	190	0	0	161	0	149
1	1	1	210	1	1	176	1	
1	1	1		1	1	192	4	
12	10	10		9	7	207	7	
37	30	28		26	23		21	
		46		43	38		35	
		64		60	53		49	
		82		76	69		64	
		100		92	84		78	
		118		109	99		92	
		136			115		107	
		154			130		121	
		172			146		135	

T

TENNESSEE

4.5%		5.5%			6%	6.25%	6.5%		6.75%		7%		COUNTY TAX 7.25%		7.5%	7.75%	8%	8%		8.25%	8.5%		8.75%
0	188	0	154	354	0	0	0	130	0	125	0	121	0	117	7.75		0	0	106	8.25	0	99	8.75
1	211	1	172	372	1	1	1	146	1	140	1		1	130	5002		1	1	118	5002	1	111	5002
1		11	190	390	2	2	2	161	8	155	2		10	144	2	7.75	2	2			2	123	
11		10	209		10	10	10	176	10	170	10		10	158	10	5002	10	10			10	135	
33		27	227		24	23	23	192	22	185	21		20	172	19		18	18			17	147	
55		45	245		41	39	38	207	37	199	35		34	185	33		31	31			29	158	
77		63	263		58	55	53	223	51	214	49		48		46		43	43			41	170	
99		81	281		74	71	69		66	229	64		61		59						52	182	
122		99	299			87	84		81	244	78		75								64	194	
144		119	318				99		96	259	92		89								76	205	
166		136	336				115		111	274	107		103								88	217	

TEXAS

4%	4%	4.125%		4.625%	5%	5.125%	5.25%	5.375%	5.5%	5.625%	6%	DALLAS 6%	HOUSTON (Harris County) 6%	6.125%	6.25%	6.25%	6.75%	7%
0	0	0	181	424	4.625	0	5.125	0	142	5.375	0	137	0	133	0	0	0
1	1	1	206		5002	1	5002	1	161	5002	1	55	1	151	1	1	1
1	1	1	230					12	180		1	173	1	168	1	1	1
12	12	12	254			9		9	199		9	191	8		8	9	8
37	37	36	278			29		28	219		27	209	26		24	25	24
	62	60	303			49		47	238		45		44		41	42	41
	87	84	327			69		66			63		62		58	59	58
		109	351					85			81		79				74
		133	375					104			99		97				91
		157	399					123			118		115				108

TEXAS (continued right columns)

6.125%	6.25%	6.25%	6.75%	7%
6.125	0	119	6.250	6.75	0	107

(continued)

0	107
1	
7	
21	
35	
49	
64	
78	
92	

UTAH

4.75%		5%	5.25%		5.375%	5.5%		5.75%	5.875%	6%	6.125%	6.25%	7%	7.25%
0	221	0	0	199	0	0	190	5.75	5.875	0	6.125	0	0	7.25
1	242	1	1	219	1	1	209	5002	5002	1	5002	1	1	5002
1	263	1	1	238	1	1				0		2	0	
10	284	10	10	257	9	9				8		4	2	
31	305	29	28	276	27	27					8	8	7	7
52	326		47	295	46	45					24		23	21
73	347		66	314	65	63					41		27	35
94	368		85	333	83	81					58		47	49
115	389		104	352	102	99					74		63	64
136	410		123	371		118								78
157			142	390		136								92
178			161	409		154								107
199			180			172								

VERMONT

3%	4%	5%	8%
0	0	0	0
1	1	1	1
4	2	2	0
13	10	10	18
33	25	20	31
66	50	40	43
100		80	56
133		100	68
166	120		81
200	140		93
			100

(Utah region — second small table, left)

7.25%	7.5%	7.75%		8%	8.25%
7.25	0	0	96	0	8.25
5002	1	1	109	1	5002
	1	5	122	1	
	6	6	135	6	
	19	19	148	18	
	33	32	161	31	
	46	45	174		
	59	58	187		
	73	70			
	86	83			

VIRGINIA

4%			ARLINGTON COUNTY 4%	4.5%	FAIRFAX 5.5%	FAIRFAX CITY Meals tax 6.5%	HAMPTON Restaurant 7%		LEESBURG Meal tax 7%	RICHMOND Restaurant 7%	ALEXANDRIA 7.5%	NEWPORT NEWS 7.5%	RICHMOND 7.5%	Restaurant 8%	ROANOKE CITY VA BEACH 8.5%		9%
0	214	484	0	0	188	0	149	0	124	0	114	284	0	0	7.5	0	116	0	0	0	114	0	99	9
1	234	512	1	1	211	1	166	1	144	1	134	1	1	5002	1	122	1	1	114	1	112	5002
21	259	537	2	5	233	4	188	1	166	13	149	1	1	1	144	2	5	134	1	122
14	284		12	15	255	11	211	11	174	14	159	7	14	11	149	6	14	134	11	137
34	314		37	33	277	14	233	24	188	29	184	21	14	16	166	19	34	159	12	144
59	334		62	55	299	33	249	33	211	34	184	35	34	33	183	33	44	33	162
84	359		87	77		55	255	55		44	214	49	59	49	188	46	44	37	166
114	384		112	99		77		74		59	214	64	59	55	211	59	59	55	187
134	414		137	122		99		77		74	234	78	84	77		59	62	188
159	434			144		122		99		84	249	92	84	83		59	77	211
184	459			166		144		122		114	259	107	114	99		84	87

WASHINGTON

7%		7.2%	7.3%	7.5%	7.55%		4.125%		7.8%	7.9%	8%	8.1%	Combined 8.1%	8.7%
0	131	0	129	0	126	0	0	124	282	7.8	0	0	0	117	8.1	0
1		1	143	1	139	1	1	138		2	1	1	1	129	2	1
1		1	156	1	153	2	3	151		0	2	1	14	141	0	1
7		6	170	6	166	7	6	164		7	6	6	6	154	6	5
21		20	184	19	179	19	19	177		19	18	18	18	166	18	17
35		34	198	33	193	33	32	190		32	31	31	30	179	30	28
49		48	211	47	211	46	46	203		44	44		43	191	43
64		62	225	61		59	59	217		57	56		55	203	55
78		76	239	74		72	72	230		70			67		67
92		90	252	88			85	243		83			80		80
107		104		102			98	256					92	
118		115		113			111	269					104	

VIRGINIA

NORFOLK CITY Meal tax 9%			CITY OF RICHMOND Food tax 9.5%			9.5%		
0	99	211	0	89	205	0	89	209
1	122	233	1	99		1	99	
6	122	233	1	110		1	109	
11	122		5	121		9	122	
33	144		15	131		11	129	
44	144		26	142		29	144	
44	166		36	152		33	149	
55	166		47	163		49	166	
55	188		57	173		55	169	
77	188		68	184		69	188	
77	211		78	194		77	189	

WEST VIRGINIA

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

WISCONSIN

4%	5%	5.5%		5.6%
0	0	0	190	0
1	1	1	209	1
1	1	1		1
12	10	9		8
37	21	27		26
	41	45		44
	61	63		62
	81	81		80
	110	99		98
		118		116
		136		133
		154		
		172		

WYOMING

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

4.   Basic Operation after Basic Programming

Mode Switch REG

CAL REG X Z OFF RF PGM

Note:

Whenever an error is generated (E01 displayed), the input figures reset to 0.
All printout samples are receipt images and the header (date, time and consecutive no.)
are eliminated from the samples.

Operation   **Printout**
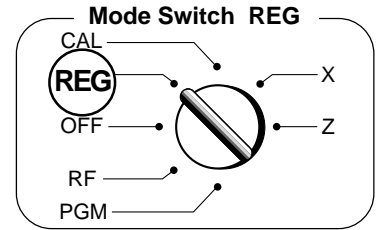
4-1 Open the drawer without a sale

| `CHK /NS` |

`· · · · · · · · · ·    NS` ——— No Sales Symbol

4-2 Basic operation

Example

Unit Price	$1.00	$2.00
Quantity	1	1
Dept.	1	10
Cash Amount tendered		$5.00

`1 0 0` `6 +1`
Unit Price   Department 1

`#/DEPT SHIFT` `2 0 0` `10 5`
Department 10

`SUB TOTAL`

`5 0 0` `= CA/AMT TEND`
Cash amount tendered
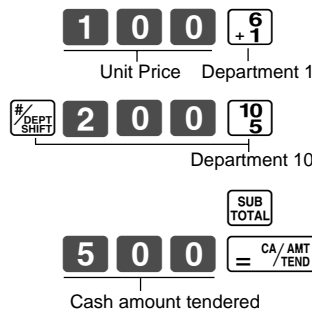
```
 •1•00   1*   ——— Unit Price/Department No.
 •2•00   0    ——— "0" means Department 10.
 •1•00   TA   ——— Taxable Subtotal
 •0•04   TX   ——— Tax

 •3•04   ST   ——— Subtotal
 •5•00   CA   ——— Cash Amount Tendered
 •1•96   CG   ——— Change Amount Due
```

Departments 6 through 10 can also be registered in combination with the `#/DEPT` and `6 +1`, `7 -2`, `8 ×3`, `9 +4` or `10 5` keys, respectively. The `#/DEPT 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.	1	2
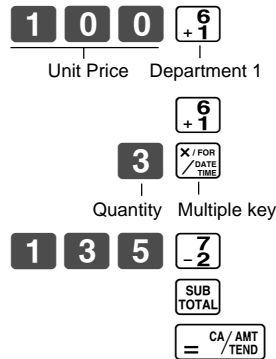
`1 0 0` `6 +1`
Unit Price   Department 1

`6 +1`

`3` `X/FOR DATE TIME`
Quantity   Multiple key

`1 3 5` `7 -2`

`SUB TOTAL`

`= CA/AMT TEND`

```
 •1•00   1*
 •1•00   1*   ——— Repeat
       3   X   ——— Multiplication Symbol
 •1•35   @    ——— Unit Price Symbol
 •4•05   2*   ——— Department No.
 •6•05   TA
 •0•24   TX

 •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.	1

`3` `X/FOR DATE TIME`
Sales Quantity   Multiple key

`1 2` `X/FOR DATE TIME`
Package Quantity   Multiple key

`1 0 00` `6 +1`
Package Price

`SUB TOTAL`

`= CA/AMT TEND`
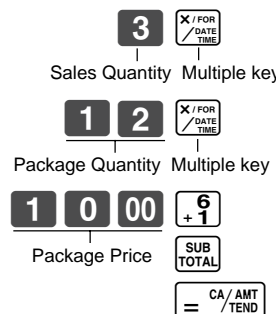
```
        3    X   ——— Sales Quantity
       12        ——— Package Quantity
 •10•00   @
  •2•50   1*
  •2•50   TA
  •0•10   TX

  •2•60   CA
```

Mode Switch REG

CAL
REG
X
OFF
Z
RF
PGM

Operation   **Printout**
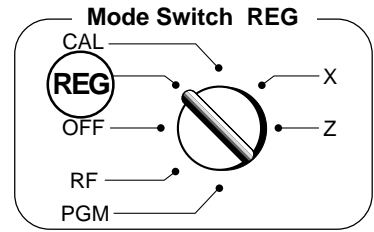
4-5 Charge sales

Example

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

`1` `0` `0` `+1`
`2` `0` `0` `-2`
`3` `0` `0` `+1`
`SUB TOTAL`
`CH`
|
Charge key

```
•1•00  1*
•2•00  2*
•3•00  1*
•6•00     TA
•0•24     TX

•6•24     CH ——— Charge Sales
```

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		

`2` `0` `0` `+1`
`3` `0` `0` `-2`
`4` `0` `0` `+1`
`SUB TOTAL`
`5` `0` `0` `= CA/AMT TEND`
`CH`

```
•2•00  1*
•3•00  2*
•4•00  1*
•9•00     TA
•0•36     TX

•9•36     ST
•5•00     CA ——— Cash Amount Tendered
•4•36     CH ——— Charge Sales
```

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.**

Operation   **Printout**

Example

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

`4` `0` `0` `AC C`
| |
Wrong entry   Clears the last item entered.

`1` `0` `0` `+1`
| |
Correct entry   Registered Department 1

```
•1•00  1*
```

Operation | **Printout**

2. Entered unit price first instead of quantity and then pressed [X/FOR DATE TIME].

[2] [0] [0] [X/FOR DATE TIME]
Unit price   Multiplication

[AC c]
Clears the last item entered.

[5] [X/FOR DATE TIME]
Quantity Multiplication

[2] [0] [0] [7 −2]
Unit price   Registered Department 2
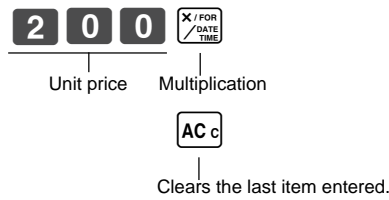
```
            5     X
  •2•00       @
  •10•00  2*
```

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

[1] [0] [X/FOR DATE TIME]
Quantity   Multiplication

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

[1] [0] [X/FOR DATE TIME]
Quantity

[1] [0] [5] [8 ×3]
Correct entry   Registered Department 3
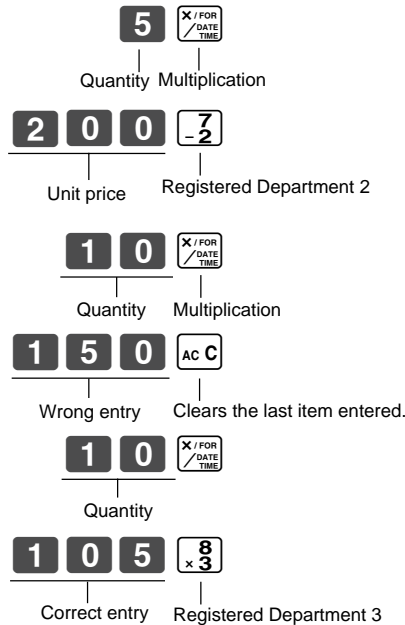
```
           10     X
  •1•05       @
  •10•50  3*
```

4-7-2 After you pressed a department key

[7/ERR CORR] **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] [6 +1]
Wrong entry

[7/ERR CORR]
Cancels the last item registered.

[5] [0] [5] [6 +1]
Correct entry   Registered Department 1
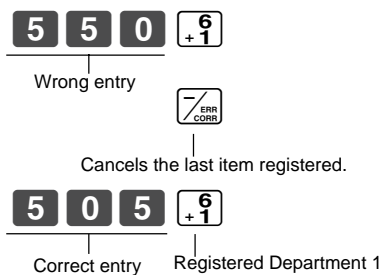
```
  •5•50   1*
  −5•50   VD
  •5•05   1*
```

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

[3] [X/FOR DATE TIME]
Quantity   Multiplication

[2] [2] [0] [7 −2]
Wrong entry

[7/ERR CORR]
Cancels the last item registered.

[3] [X/FOR DATE TIME]

[2] [3] [0] [7 −2]
Correct entry   Registered Department 2
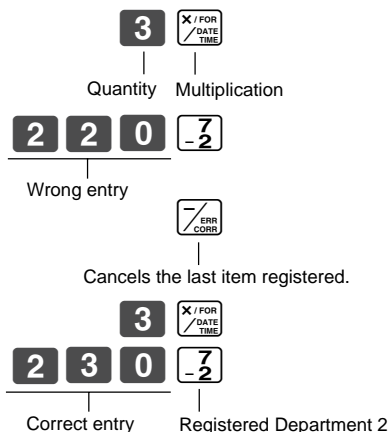
```
            3     X
  •2•20       @
  •6•60   2*
  −6•60   VD
            3     X
  •2•30       @
  •6•90   2*
```

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.

5-1 Financial Report

Operation

Printout

Mode Switch

CAL
REG
OFF
RF
PGM

X
Z
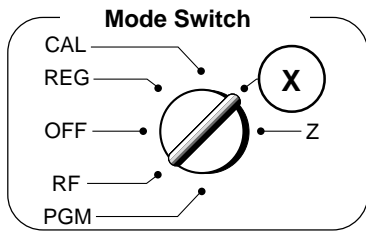
Printout		Description
07-19-00		Date
14-27 0072		Time/Consecutive No.
	X	Read Symbol
67	*	Gross Sales No. of Items
•270•48	*	Gross Sales Amount
38	NT	Net Sales No. of Customers
•271•24	NT	Net Sales Amount
•197•57	CA #	Cash Total in Drawer
•18•19	CH #	Charge Total in Drawer
•45•18	* CK	Check Total in Drawer

5-2 General Control Read/Reset Report

Operation

Printout

Z (Reset) report

5-2-1 Daily Read/Reset Report

Mode Switch to X

(Read)

Printout		Description
07-19-00		Date
19-35 0073 1		Time/Consecutive No. /Clerk No.
0001 Z		Non-resettable Sales No. of Resets/RESET Symbol[*1]
48 1		No. of Items/Dept. No.
•50•10		Amount
28 2		
•76•40		
17 3		
•85•80		
4 4		
•76•00		
1 5		
•6•50		
0 6		

Mode Switch to Z

(Reset)

Printout		Description
•0•00		
0 9		
•0•00		
10 0		
•22•00		
108 *		Gross Sales No. of Items
•316•80 *		Gross Sales Amount

•0•50	–	Reduction Amount
•0•66	% +	Premium/Discount Amount
•105•10	TA	Taxable Amount for Tax Table 1
•4•20	TX	Tax Amount for Tax Table 1
•75•60	✳ TA	Taxable Amount for Tax Table 2
•3•97	TX 2	Tax Amount for Tax Table 2
46	NT	Net Sales No. of Customers
•325•13	NT	Net Sales Amount
•325•13	1	Clerk Sales Amount/ Clerk No.
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	VD	Error Correction Count
1	RF	Refund (by MODE operation) Count
•3•00	RF	Refund (by MODE operation) Amount
5	CA X	No. of [= CA/AMT TEND] key operation
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 (X) **or** (Z)

`1` `0` `= CA/AMT TEND`

07–19–00		Date
19–50 0074		Time/Consecutive No.
10 ••••	X	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

Mode Switch

CAL
REG ———— X
OFF
Z
RF

PGM

Example

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

`1` `SUB/TOTAL`

P appears in mode display

`1` `0` `0` `6/+1` (For Dept. 1)

`2` `2` `0` `7/-2` (For Dept. 2)

`1` `1` `0` `0` `8/×3` (For Dept. 3)

`SUB/TOTAL`
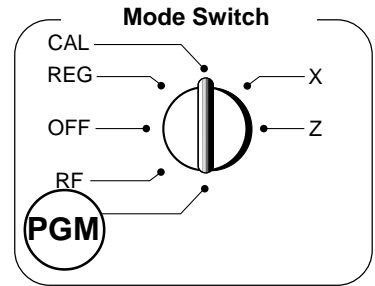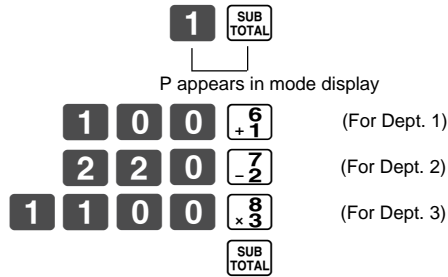
• Unit prices within the range of 0.01~9999.99.

1-2 Rate for percent key

Example

Discount Rate	2.5%

`1` `SUB/TOTAL`

P appears in mode display

`2` `·` `5` `%/CLK#`

`SUB/TOTAL`

(To end the setting)
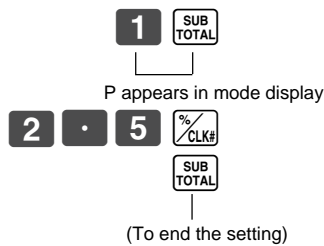
• The rate within the range of 00.01 to 99.99%.

1-3 To change tax status for Departments

Tax status for the Departments are fixed as follows:
   Departments 1~5:   Taxable status 1 and 2.
   Departments 6~10:   Non-Taxable status.

Example

Status	Non-taxable	Taxable 1
Depts.	1~5	6~10
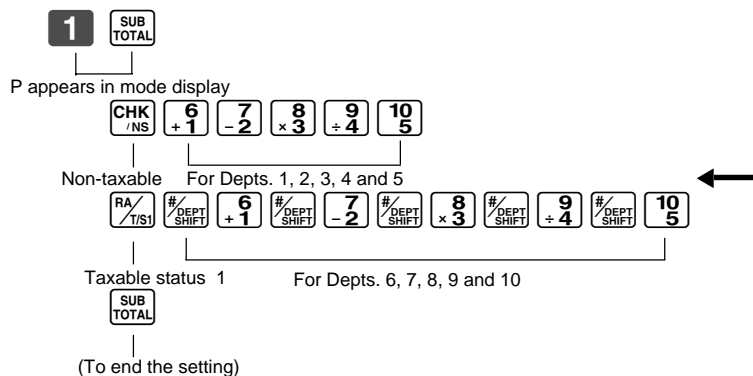
`1` `SUB/TOTAL`

P appears in mode display

`CHK/NS` `6/+1` `7/-2` `8/×3` `9/÷4` `10/5`

Non-taxable   For Depts. 1, 2, 3, 4 and 5

`RA/T/S1` `#/DEPT SHIFT` `6/+1` `#/DEPT SHIFT` `7/-2` `#/DEPT SHIFT` `8/×3` `#/DEPT SHIFT` `9/÷4` `#/DEPT SHIFT` `10/5`

Taxable status 1   For Depts. 6, 7, 8, 9 and 10

`SUB/TOTAL`

(To end the setting)

Selections	
Taxable status 1	`RA/T/S1`
Taxable status 2	`PO/T/S2`
Taxable status 1 and 2	`RA/T/S1` `PO/T/S2`
Non-taxable status	`CHK/NS`

A

1-4   Status for Department

Example

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

`3` `SUB TOTAL`

P3 appears in mode display

`0` `4` `1` `6 +1` For Dept. 1

Single item sale department

Normal department   Maximum No. of digits to be 4

`0` `5` `1` `7 -2` For Dept. 2

Single item sale department

Normal department   Maximum No. of digits to be 5

`SUB TOTAL`

(To end the setting)

Selections		
Normal department	`0`	**A**
Minus department	`1`	
No limitation for manually entered price.	`0`	**B**
Maximum number of digits for manually entered price (1 ~ 7 digits).	`1` ~ `7`	
To prohibit manual price entries.	`8` or `9`	
Normal sale (not a single-item sale) department.	`0`	**C**
Set as a single-item sale department.	`1`	

1-5   Status for percent key

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

Taxable status 1 and 2 are fixed for the percent key.

Example

Change Percent key registration as a Non-taxable.

`1` `SUB TOTAL`

P appears in mode display

`CHK /NS` `% /CLK#`

Non-taxable status   (For percent key)

`SUB TOTAL`

(To end the setting)

Selections		
Taxable status 1	`RA/ T/S1`	**A**
Taxable status 2	`PO/ T/S2`	
Taxable status 1 and 2	`RA/ T/S1` `PO/ T/S2`	
Non-taxable status	`CHK /NS`	

Part-2

Mode Switch

CAL
REG — X
OFF
Z
RF
PGM

1-5-2 Status for percent key

3 [SUB TOTAL]

P3 appears in mode display

Example

Round	Up
Percent	%+

1 **1** [%/CLK#]

Round up   Premiums (%+)

[SUB TOTAL]

(To end the setting)

Selections	
Rounding of results produced by Percent Key operation.	
Round off (1.544=1.54; 1.545=1.55)	**0**
Round up (1.544=1.55; 1.545=1.55)	**1**
Cut off (1.544=1.54; 1.545=1.54)	**2**
Program Percent Key to register discounts (%–).	**0**
Program Percent Key to register premiums (%+).	**1**
Program Percent Key to function as a Manual Tax key.	**2**

A   **B**

1-6 Taxable Status for minus key

Taxable status 1 and 2 are fixed for the minus key.

1 [SUB TOTAL]

P appears in mode display

Example

Change minus key registrations Non-taxable status.

[CHK/NS] [–/ERR CORR]

Non-taxable status   Minus key

[SUB TOTAL]

(To end the setting)

Selections	
Taxable status 1	[RA/T/S1]
Taxable status 2	[PO/T/S2]
Taxable status 1 and status 2	[RA/T/S1] [PO/T/S2]
Non-taxable status	[CHK/NS]

A

1-7   General features

1-7-1 To set general controls

3 [SUB TOTAL]

P3 appears in mode display

0 **6** **2** **2** [SUB TOTAL]

Program code No.

0 **0** **0** [= CA/AMT TEND]
[SUB TOTAL]

Select a number from list A

(To end the setting)

Select a number from list B   Select a number from list C

				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**		A	
		No	**1**			
	No	Yes	**2**			
		No	**3**			
Yes	Yes	Yes	**4**			
		No	**5**			
	No	Yes	**6**			
		No	**7**			

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

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

Part-2

1-7-2 To set printing controls

3 [SUB TOTAL]

P3 appears in mode display

0 **5** **2** **2** [SUB TOTAL]

Program code No.

0 **0** **0** **0** [= CA/AMT TEND]

Select a number from list A

Select a number from list B

Select a number from list C

[SUB TOTAL]

(To end the setting)

Select a number from list D

Mode Switch

CAL
REG — X
OFF
Z
RF
PGM

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

A

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

B

			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	No	**0**
		Yes	**1**
	Yes	No	**2**
		Yes	**3**
No	No	No	**4**
		Yes	**5**
	Yes	No	**6**
		Yes	**7**

C

			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**
		No	**1**
	Yes	Yes	**2**
		No	**3**
Yes	No	Yes	**4**
		No	**5**
	Yes	Yes	**6**
		No	**7**

D

1-7-3 Printer switch for Receipt or Journal

The printer is fixed as journal after initialized operation.
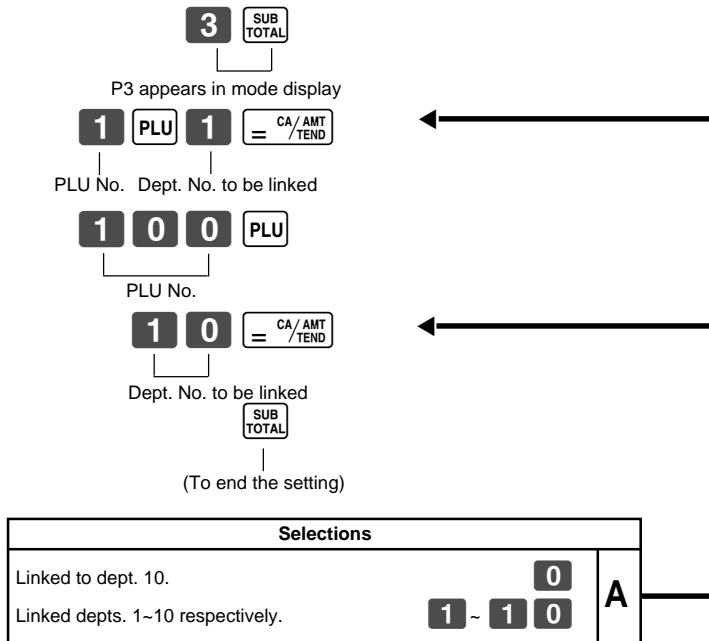
Example

To print a receipt.

| 1 | SUB TOTAL |

P appears in mode display

| 1 | CH |

Print receipt

| SUB TOTAL |

(To end the setting)

Selections		
Use the printer to print a journal.	0	A
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

| 3 | SUB TOTAL |

P3 appears in mode display

| 1 | PLU | 1 | = CA/AMT TEND |

PLU No.　Dept. No. to be linked

| 1 | 0 | 0 | PLU |

PLU No.

| 1 | 0 | = CA/AMT TEND |

Dept. No. to be linked

| SUB TOTAL |

(To end the setting)

Selections		
Linked to dept. 10.	0	A
Linked depts. 1~10 respectively.	1 ~ 1 0	

• 100 PLUs can be set.
• When the linked department is not specified, the PLU is linked to department 10.
• Status for a single-item sale and tax status are followed the specified linked department.

Note:

DO NOT link to minus department.

1-8-2 Unit Prices for PLUs

Example

PLU No.	1	2
Unit Price	$1.00	$3.00

1 **SUB TOTAL**

P appears in mode display

1 **PLU**

PLU No.

1 **0** **0** **= CA/AMT /TEND**

Unit Price

2 **PLU**

PLU No.

3 **0** **0** **= CA/AMT /TEND**

Unit Price

SUB TOTAL

(To end the setting)

Mode Switch

CAL
REG — X
OFF — Z
RF
PGM
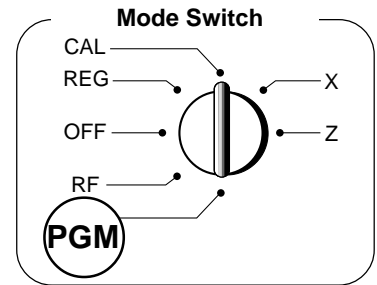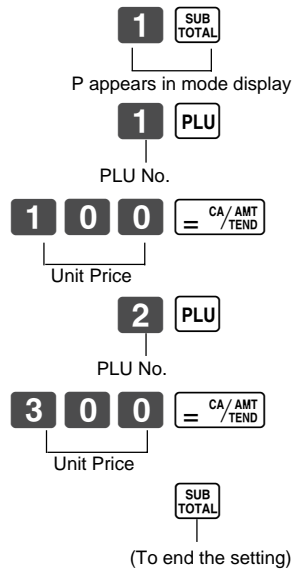
• Unit prices within the range of $0.01~999.99.

1-9 To control Tax Status printing

3 **SUB TOTAL**

P3 appears in mode display

0 **3** **2** **6** **SUB TOTAL**

Program set code No.

0 **0** **0** **= CA/AMT /TEND**

Select a number from list A

Enter "0" (fixed code)

Select a number from list B

SUB TOTAL

(To end the setting)

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

A

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

B
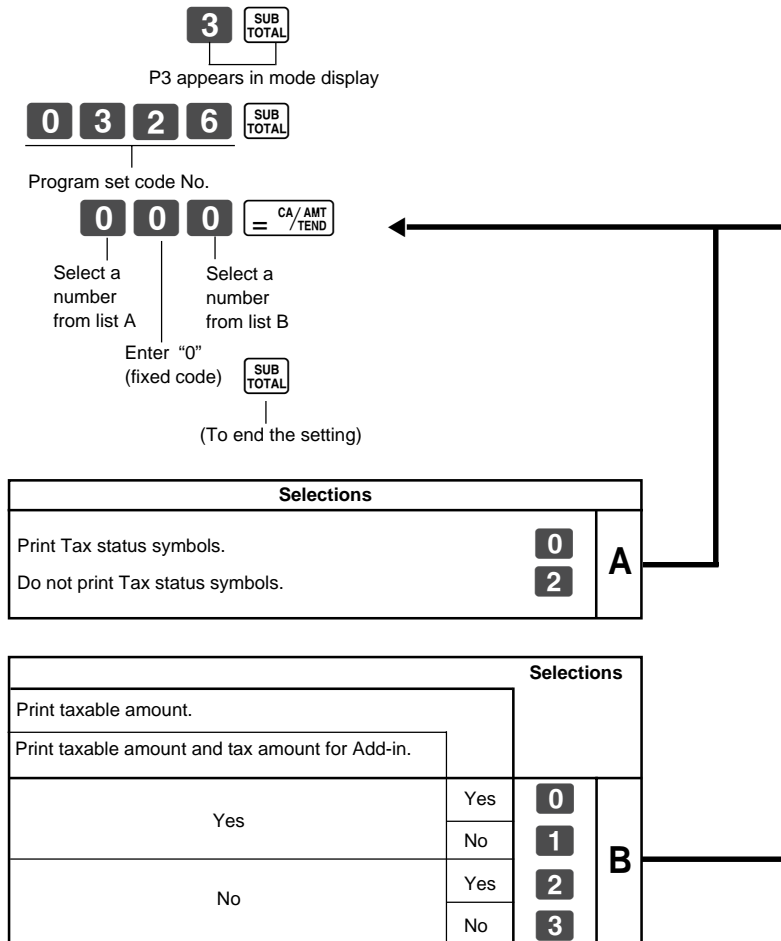
1-10 Printing to read All Preset Data

1-10-1 Printing preset data except PLU settings

Mode Switch

CAL
REG — X
OFF — Z
RF
PGM

Operation
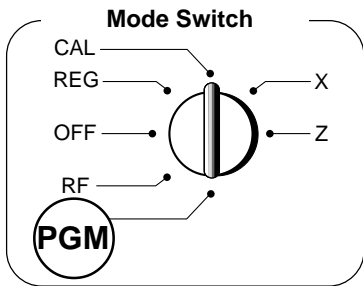
$= \boxed{\frac{CA/AMT}{TEND}}$

Printout

| Printout		Description
07-19-00		Date
14-24 0070		Time/Consecutive No.
	X	Read Symbol
1•••••1•00	∗	Dept. No./Unit Price/Tax Status
•041		Normal Dept./Digit Limit/Single Item
2•••••2•20	∗	
•051		
3•••11•00	∗	
0•••••0•00	∗	
•000		
−••••••••	#	Minus/Tax Status
2•5	%	Percent Rate/%+ or %–
•11	#	Percent Key Control/Tax Status
0122•••12		Date/Add Mode Control (fixed)
0522••1022		Print Control
0622••0000		General Control
1022•••••0		Calculation Control
0326•••002		Tax Control
0125••••••		
0•0000	%	Tax Table 1
0001		
0001		
10		
30		Break Points Control
54		
73		
110		
0225••••••		Tax Table 2
5•2500	%	
5002		Rounding Specifications/Tax System Specifications
0000		
07-19-00		

Mode Switch

CAL
REG
OFF
RF
PGM
X
Z
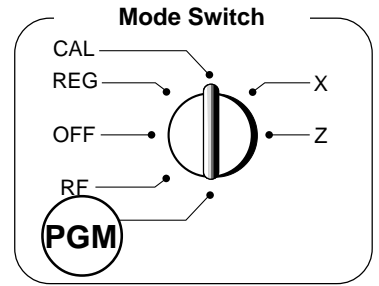
1-10-2 Printing preset PLU settings

Operation   **Printout**

1 [= CA/AMT /TEND]

```
      07-19-00
    14-26  0073

              X

   001•••1•00  1
   002•••2•00  2
   003•••3•00  3
   004•••4•00  4
   005•••5•00  5
   006•••6•00  6
   007•••7•00  7

   009•••0•00
   100••10•00  1

      07-19-00
```
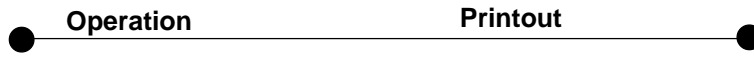
Date

Time/Consecutive No.

Read symbol

PLU No./Unit Price/
Linked department

"0" means department 10.

2.   Various Operations

2-1 Registration using preset price for Departments.

(Programming: See page 18)

Mode Switch

Operation	Printout
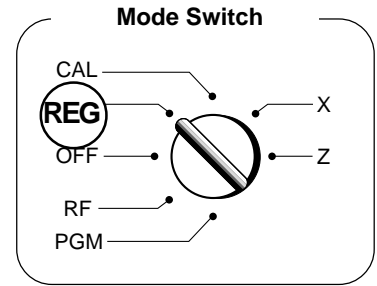
Example

Unit Price	$1.00	$2.20	$11.00
Quantity	1	2	4
Depts.	1	2	3
Amount tendered		$52.00	

Operation:
- 6/+1
- 7/-2
- 7/-2
- 4 X/FOR DATE TIME 8/×3
- SUB TOTAL
- 5 2 0 0 =CA/AMT TEND

Printout:
```
•1•00   1*      Unit Price Programmed to Department 1
•2•20   2*      Unit Price Programmed to Department 2
•2•20   2*      Repeat
    4    X      Multiplication Symbol
•11•00   @      Unit Price Programmed to Department 3
•44•00   3*
•49•40   TA
•1•98    TX

•51•38   ST
•52•00   CA      Cash Amount Tendered
•0•62    CG      Change
```

2-2 Single-Item Sales

(Programming: See page 19)

Operation: 5 0 6/+1

Example 1

Status	Single item sale
Unit Price	$.50
Quantity	1
Dept.	1

Printout:
```
•0•50   1*
•0•50   TA      Taxable Amount
•0•02   TX      Tax

•0•52   CA      Cash Sales
```

For this example, Dept. 1 is programmed for a single-item-sale.
(Programming: See page 19.)

Example 2

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

Operation:
- 1 0 0 7/-2
- 5 0 6/+1
- SUB TOTAL
- =CA/AMT TEND

Printout:
```
•1•00   2*
•0•50   1*
•1•50   TA      Taxable Amount
•0•06   TX      Tax

•1•56   CA      Cash Sales
```

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

27

Mode Switch

CAL
REG
OFF
RF
PGM
X
Z
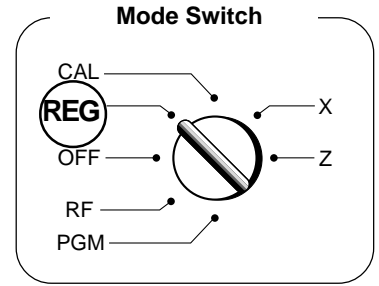
2-3 Check Sales

Example

Unit Price	$35.00
Quantity	2
Dept.	4

Operation   **Printout**

3 5 0 0 [9÷4]
[9÷4]
[SUB TOTAL]
[CHK /NS]

```
•35•00  4*
•35•00  4*
•70•00      TA
 •2•80      TX

•72•80      CK ──── Check Sales
```

2-4 Change the Tax Status

(Programming: See page 18)

Example

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

[RA /T/S1]
1 0 0 [6 +1]
2 0 0 [7 -2]
[= CA/AMT /TEND]

```
 •1•00   1
 •2•00   2 TX
 •2•00       TA
 •0•08       TX

 •3•08       CA
```

2-5 Manual Tax

Example

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

1 0 0 [6 +1]
1 0 [% /CLK#]
2 0 0 [7 -2]
[= CA/AMT /TEND]

```
 •1•00   1*
 •0•10      TX # ──── Manual Tax Symbol
 •2•00   2*
 •3•00      TA
 •0•12      TX

 •3•22      CA
```

[% /CLK#] key is programmed to function as a Manual Tax key (see page 20).

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.	1	1
Cash Amount tendered	$10.40

1	PLU
	PLU
4	X/FOR DATE TIME
2	PLU
	= CA/AMT TEND
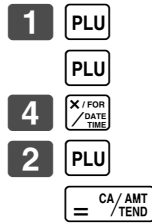
```
001   •1•00    *          PLU No.
001   •1•00    *          Repeat
            4  X          Multiplication Symbol
      •2•00    @          Preset Unit Price
002   •8•00    *
     •10•00    TA
      •0•40    TX

     •10•40    CA         Cash Amount Tendered
```

2-7 PLU Single-Item Sale

(Programming: See page 23)

Example

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

1	PLU

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

      •1•04    CA
```

- For this example, linked department 1 is programmed for a single-item-sale. (Programming: See page 19)
- 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	$37.20

3 0 0 0	7 -2
2 5 0 0	8 ×3
	SUB TOTAL
2 0 0 0	= CA/AMT TEND
	CHK /NS
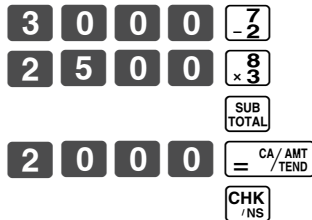
```
     •30•00    2*
     •25•00    3*
     •55•00    TA
      •2•20    TX

     •57•20    ST
     •20•00    CA
     •37•20    CK
```

Mode Switch

CAL
REG — X
OFF
RF — Z
PGM
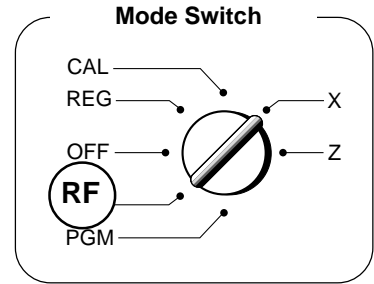
2-9 Refund

Operation

Printout

Example

Unit Price	$1.00	$2.00
Quantity	1	1
Dept.	2	3

`1` `0` `0` `7/-2`
`2` `0` `0` `8/×3`
`SUB TOTAL`
`= CA/AMT /TEND`

```
13-55 0040    RF ——————— Refund Mode Symbol

       •1•00  2*
       •2•00  3*
       •3•00     TA
       •0•12     TX

       •3•12     CA
```
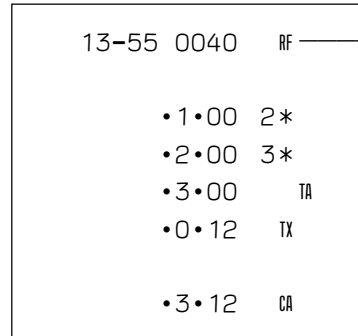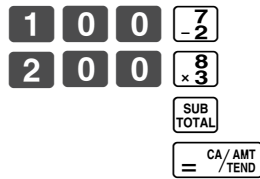
After you finish RF mode operation, be sure to return the
Mode Switch to the REG (register) setting.

2-10 Cashier Assignment

(Programming: See page 21)

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 21, 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.

`1` `%/CLK#`
|
Cashier ID No. is
signed on (registered)

Selections	
Sign off (cancel) the assignment of cashier ID No. `0`	**A**
Assign a cashier ID No. 1 through 8. `1` ~ `8`	
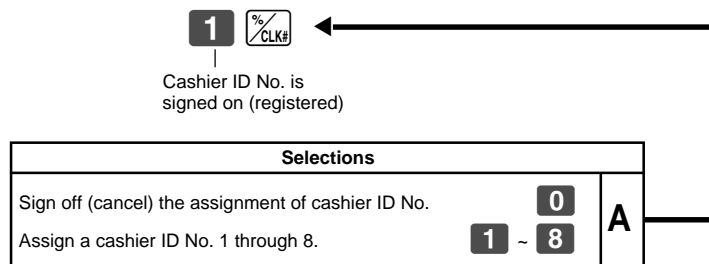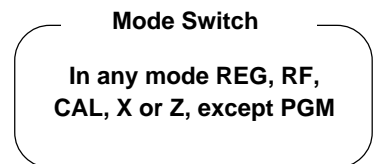
- Currently assigned cashier (or clerk) ID number is printed on
  the receipt or journal for each transaction.
- The assigned clerk memory number is automatically signed
  off when the mode key is set to OFF position.
- The assigned cashier (or clerk) sales totals with ID number
  are printed on the receipt or journal when you perform daily
  X/Z sales report.

Mode Switch

CAL

REG — X

OFF — Z

RF

PGM
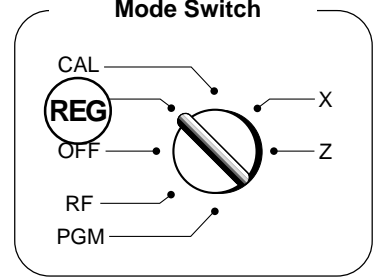
2-11 Other registrations

Operation	Display	
2-11-1 Reading the Time and Date	[X/FOR /DATE TIME] `13-53.`	Hour/Minute
	[X/FOR /DATE TIME] `07-19-00`	Month/Date/Year
	[AC C] `0.00`	

• Flashes per second

Operation	Printout	
2-11-2 Paid out from cash in drawer	[1][2][3][4] [5][6][7][8] [#/DEPT SHIFT]	`12345678    #` — Reference Number
	Enter reference No.	`07-19-00`
		`13-57  0041`
	[1][0][0][0] [PO/T/S2]	`•10•00    PO` — Paid Out Amount

Operation	Printout	
2-11-3 Cash received on account	[6][0][0] [RA/T/S1]	`•6•00    RA` — Received On Account Amount

Operation	Printout	
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] [#/DEPT SHIFT]

[5][0] [6/+1]

[=/CA/AMT TEND]

```
12345678    #        Reference No. or ID No.
07-19-00
13-59  0046

•0•50   1*
•0•50        TA
•0•02        TX

•0•52        CA
```

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Mode Switch

CAL
REG
OFF
RF
PGM
X
Z
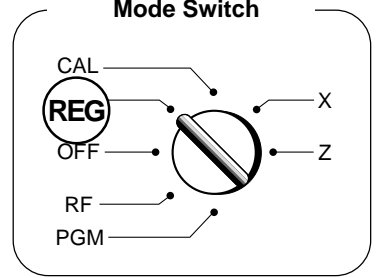
2-11-5   Reduction on subtotal

Operation   **Printout**

Example
Amount due reduced by $0.50.

`1` `0` `0` `+6/1`
`2` `0` `0` `÷9/4`
`SUB TOTAL`
`5` `0` `%/ERR CORR`
`= CA/AMT TEND`
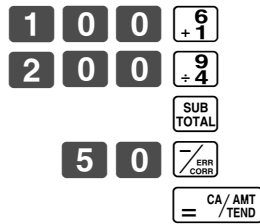
```
•1•00   1*
•2•00   4*
•3•12   ST ──────── See page 22 to print
-0•50                the subtotal line.
•3•00       TA
•0•12       TX

•2•62       CA
```

2-11-6   Premium/ Discount

• 2.5% premium/discount (pro-grammed to `%/CLK#` key) applied to first item.

• Be sure to use `MD/ST` key when you wish to apply a premium/discount to the subtotal. You cannot use the `SUB TOTAL` key.

• 7% premium/discount applied to transaction total.

• For programming the `%/CLK#` key as percent minus or percent plus, see page 20.

• For programming percent rate, see page 18.

`1` `0` `0` `+6/1`
`%/CLK#`
`2` `0` `0` `-7/2`
`3` `0` `0` `+6/1`
`MD/ST`
`7` `%/CLK#`
`= CA/AMT TEND`
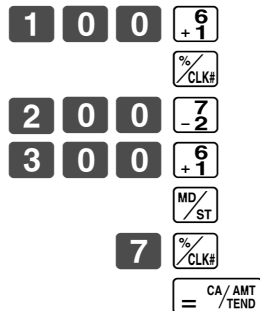
Premium

```
•1•00   1*
 2•5     %  ──────── Premium Rate
•0•03     * ──────── Premium Amount
•2•00   3*
•3•00   1*
•6•03    ST ──────── Subtotal
    7    % ──────── Premium Rate
•0•42     * ──────── Premium Amount
•6•45    TA
•0•26    TX

•6•71    CA
```

Discount

```
•1•00   1*
 2•5    %- ──────── Discount Rate
-0•03     * ──────── Discount Amount
•2•00   3*
•3•00   1*
•5•97    ST ──────── Subtotal
    7   %- ──────── Discount Rate
-0•42     * ──────── Discount Amount
•5•55    TA
•0•23    TX

•5•78    CA
```

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2-12 PLU report

Mode Switch

CAL
REG
OFF
RF
PGM

X
Z

Mode Switch

CAL
REG
OFF
RF
PGM

X
Z
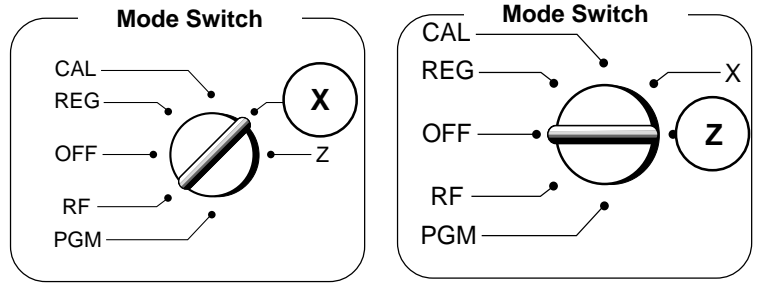
Operation	Printout

Mode Switch to (**X**)

(Read)

`0` `1` `=` `CA/AMT TEND`

```
        07-19-00
     19-35  0073

        01  0001      Z  ──── Report code/Reset Counter
```

Mode Switch to (**Z**)

(Reset)

`0` `1` `=` `CA/AMT TEND`

```
   001      12  ──── PLU No./No. of items
       •12•00  ──── Amount
   002      27
100
       •180•00

           1284  ──── PLU total count
   •10856•89  ──── PLU total amount
```

2-13 About the daylight saving time

It is possible to set the internal clock forward/backward by 1~9 hour(s)
for the daylight saving time.

Mode Switch

CAL
REG
OFF
RF
PGM

X
Z
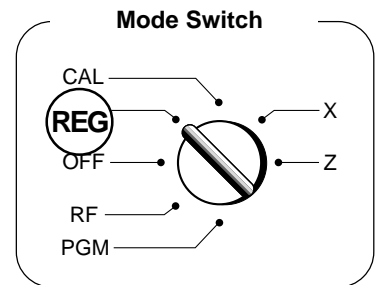
Operation	Display

• Forward by 1 hour

`X/FOR /DATE TIME` | 12 - 34.

`*` `1` | 12 - 34. (blinking)

`X/FOR /DATE TIME` | 13 - 34. Set forward by 1 hour.

`AC C` | 0.00

• Backward by 1 hour

`X/FOR /DATE TIME` | 12 - 34.

`- 7/2` | 12 - 34. (blinking)

`*` `1` | 12 - 34. (blinking)

`X/FOR /DATE TIME` | 11 - 34. Set backward by 1 hour.

`AC C` | 0.00
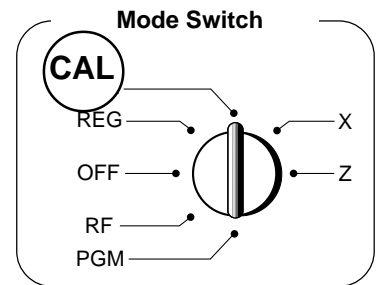
*Put `2` ~ `9` , in case of set the clock by 2~9 hours.

Part-2

1. Calculator Mode

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

Mode Switch

CAL
REG — X
OFF — Z
RF
PGM

1-1 Calculation examples

Operation	Display

Operation

$\boxed{\text{AC c}}$ C   0

5 $\boxed{+\,^6_1}$ **1** $\boxed{\text{AC c}}$

(Cancels item entered.)

	Operation	Display
5+3−2=	**5** $\boxed{+\,^6_1}$ **3** $\boxed{-\,^7_2}$ **2** $\boxed{=\,^{CA/AMT}_{TEND}}$	6.
(23−56)×78=	**2 3** $\boxed{-\,^7_2}$ **5 6** $\boxed{\times\,^8_3}$ **7 8** $\boxed{=\,^{CA/AMT}_{TEND}}$	−2574.
(4×3−6)÷3.5+8=	**4** $\boxed{\times\,^8_3}$ **3** $\boxed{-\,^7_2}$ **6** $\boxed{\div\,^9_4}$ **3** $\boxed{\cdot}$ **5** $\boxed{+\,^6_1}$ **8** $\boxed{=\,^{CA/AMT}_{TEND}}$	9.7142857
12% on 1500	**1 5 0 0** $\boxed{\times\,^8_3}$ **1 2** $\boxed{\%_{CLK\#}}$	180.

1-2 Memory recall

Recalls the current amount onto the display.
- during registration: current subtotal
- registration has been completed: the last amount

On CAL mode

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

Operation	Display
$\boxed{\text{PLU}}$ $\boxed{\div\,^9_4}$ **3** $\boxed{=\,^{CA/AMT}_{TEND}}$	10.

Memory recall

On REG mode

Recalls the current result by pressing $\boxed{=\,^{CA/AMT}_{TEND}}$ key at CAL mode on the display.

Mode Switch

CAL
REG — X
OFF — Z
RF
PGM
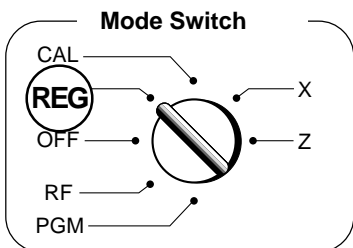
Example
Recall the current result at CAL mode during registration, and register the cash amount due for each person.

Operation	Printout
$\boxed{\text{PLU}}$ $\boxed{=\,^{CA/AMT}_{TEND}}$	•10•00 1
$\boxed{\text{PLU}}$ $\boxed{=\,^{CA/AMT}_{TEND}}$	•20•00 2
$\boxed{\text{PLU}}$ $\boxed{=\,^{CA/AMT}_{TEND}}$	
	•30•00 ST
Memory recall	•10•00 CA
	•10•00 CA
	•10•00 CA
	•0•00 CG

Mode Switch

CAL
REG ———————— X
OFF ———————— Z
RE
PGM

1-3 Setting for calculator operation

3 [SUB TOTAL]

P3 appears in mode display

1 0 2 2 [SUB TOTAL]

Program Code No.

0 [= CA/AMT TEND]

Select a number from list A.

[SUB TOTAL]

(To end the setting)
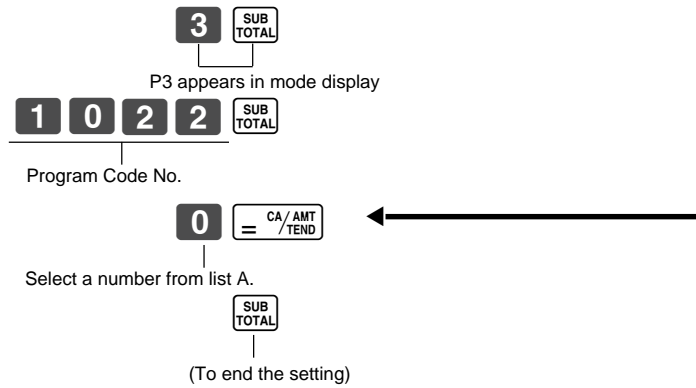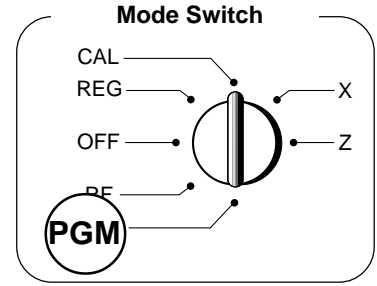
				Selections	
Open drawer whenever [= CA/AMT TEND] is pressed.*					
Open drawer whenever [CHK/NS] is pressed.					
Print No. of Equal key operations on General Control X and Z reports.					
Yes	No	No	**0**		
		Yes	**1**		
	Yes	No	**2**		
		Yes	**3**	**A**	
No	No	No	**4**		
		Yes	**5**		
	Yes	No	**6**		
		Yes	**7**		

* Drawer does not open during registration procedures even if you press [= CA/AMT TEND] 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 key to where it stops buzzing and press [= CA/AMT TEND].
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 [CLK#].
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 or time on receipt. Paper is not advancing enough.	Printer is programmed as a journal.	Program printer to print receipts.
5	Key won't turn to Z, X, PGM and RF modes.	Using OP key.	Use the PGM key.
6	Drawer opens up after ringing up only one time.	Department is programmed as a single item dept.	Program the dept. as a normal dept.
7	Not clearing totals at end of day after taking report.	Using X mode to take out reports.	Use Z mode to take out reports.
8	Programming is lost whenever register is unplugged or there is a power outage.	Bad or no batteries.	Put in new batteries.
9	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 6 keys (2-key roll over)

Display (Digitron): Amount 8 digits (zero suppression); Department/PLU No.; No. of repeats; TOTAL; CHANGE

PRINTER

Receipt: 14 digits (Amount 10 digits, Symbol 4 digits)

(or journal) Automatic paper roll winding (journal)

Paper roll: 58 mm × 80 mm ∅ (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, R6P (SUM-3) or LR6 (AM-3) type batteries) is approximately one year from installation into the machine.

Power source: AC 120V, AC (±10%) fixed.

Power consumption: 0.07A on stand-by; 0.11A maximum

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

Humidity: 10 to 90%

Dimensions: 8 3/4"(H)×13"(W)×14 3/16"(D) with S drawer

(222 mm(H)×330 mm(W)×360 mm(D))

Weight: 9 lbs 4 oz (4.2 kg) with S drawer

Specifications and design are subject to change without notice.

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.

LIMITED WARRANTY: ELECTRONIC CASH REGISTERS

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

Model: .... Serial Number: .... Date of Purchase: ....

Your Name: ....

Address: ....

Dealer's Name: ....

Address: ....

CASIO.