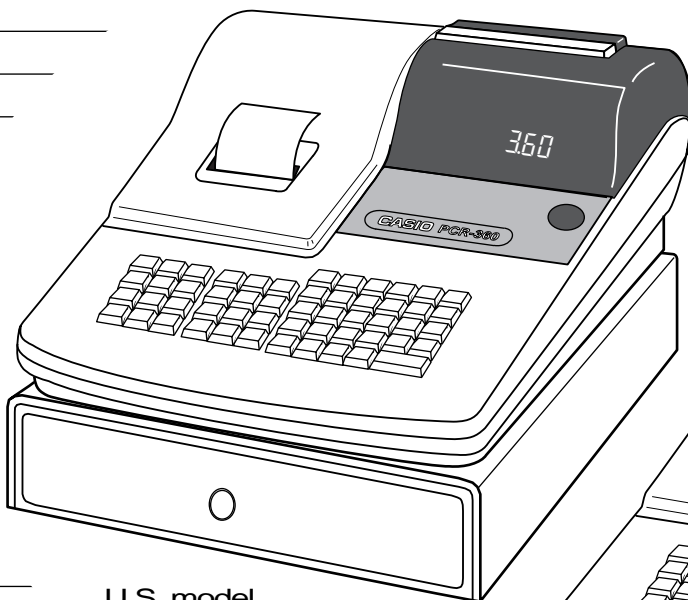


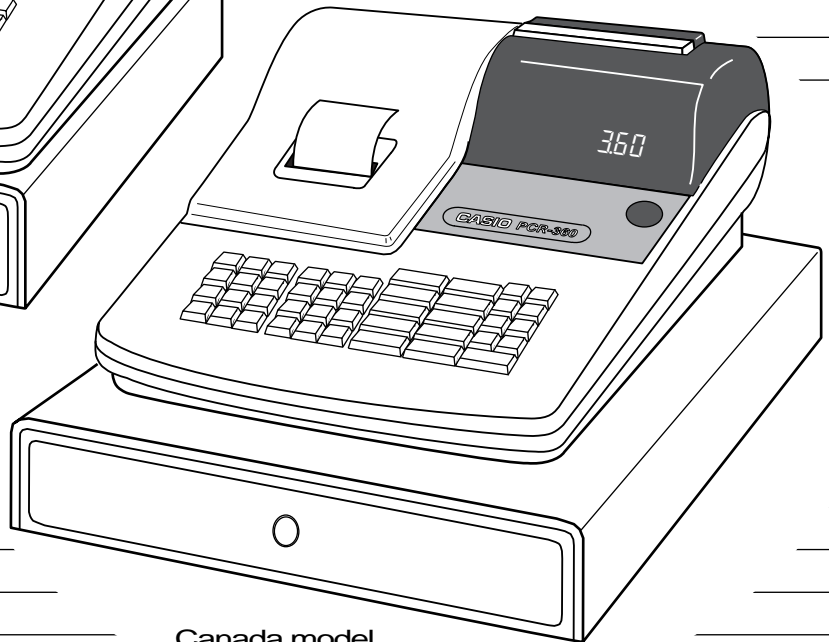
ELECTRONIC CASH REGISTER

# PCR-360

OPERATOR'S INSTRUCTION MANUAL



U.S. model



Canada model

CI CANADA

**CASIO**<sup>®</sup>



## Welcome to the CASIO PCR-360!

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

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

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

## CASIO AUTHORIZED SERVICE CENTER

If your Casio product needs repair, or you wish to purchase replacement parts, please call 1-800-YO-CASIO for the authorized service center nearest your home.

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

If you need programming assistance, please call 1-800-638-9228.

In Canada, Call 1-800-661-2274.

Thank you.

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

**WARNING:** This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of the FCC Rules, which re designed to provide reasonable protection against such interference when operated in a commercial environment.

Operation of this equipment in a residential area is likely to cause interference in which case the user at his/her own expense will be required to take whatever measures may required to correct the interference.

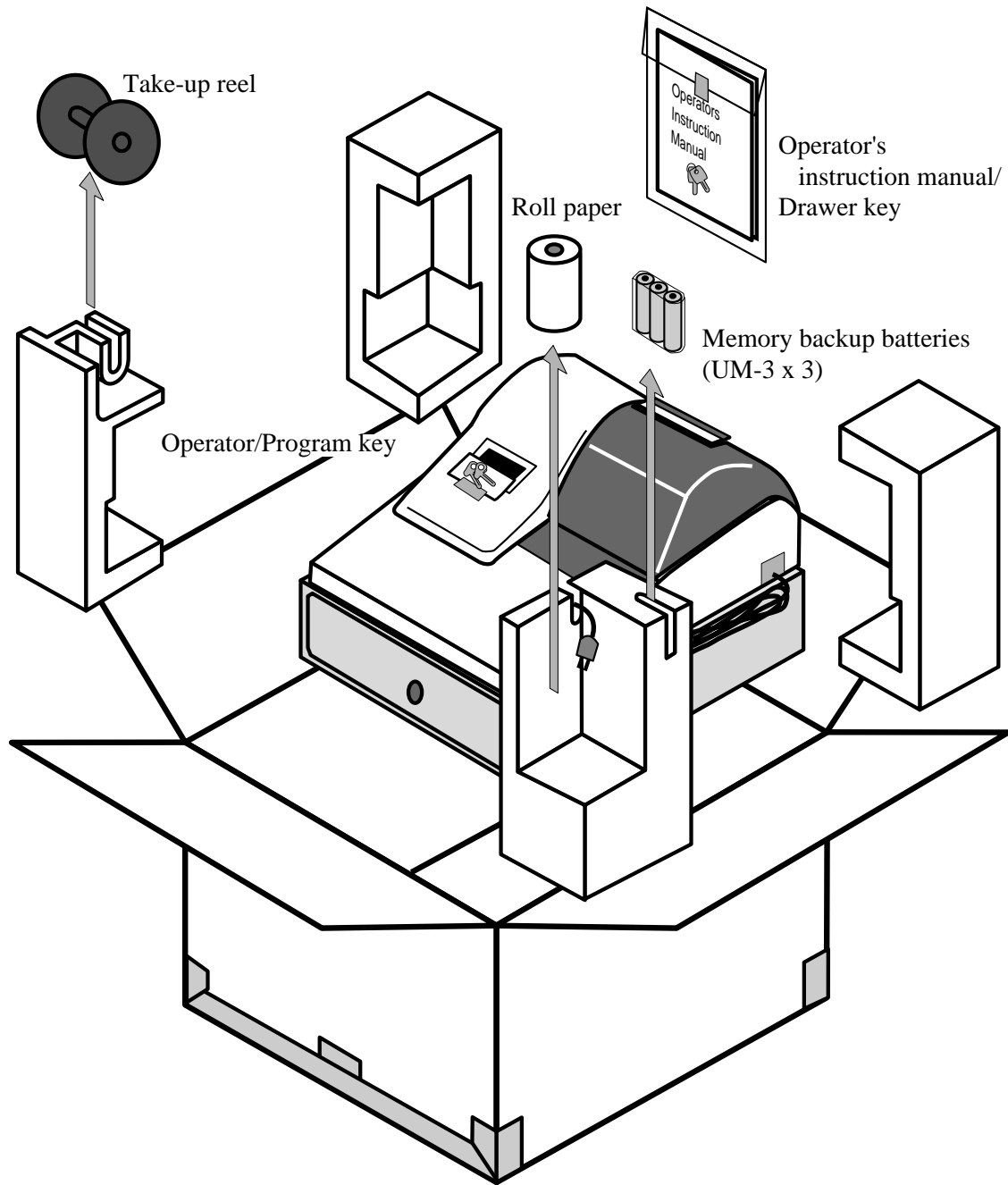
This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

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

<b>Introduction .....</b>	<b>2</b>
Unpacking the register .....	6
<b>Getting Started .....</b>	<b>8</b>
Remove the cash register from its box .....	8
Remove the tape holding parts of the cash register in place .....	8
Install the three memory backup batteries .....	8
Plug the cash register into a wall outlet .....	10
Insert the mode key marked "PGM" into mode switch .....	10
Turn the mode key to the "REG" position .....	10
Install receipt/journal paper .....	10
To load 1-ply paper for printing of receipts .....	11
To load 1-ply paper for printing of journal .....	12
To load 2-ply paper for printing of receipts .....	13
Set the date .....	14
Set the time .....	14
Select printouts receipt or journal .....	14
Programming automatic tax calculation .....	15
Programming the U.S. Tax Table procedure .....	15
Programming Canadian Tax table procedure .....	20
Setting the store telephone number .....	21
<b>Introducing PCR-360 .....</b>	<b>22</b>
General guide .....	22
Mode key, Mode switch .....	23
Drawer .....	23
Displays .....	25
Keyboard .....	26
<b>Basic Operation and Setups .....</b>	<b>28</b>
How to read the printouts .....	28
How to Use Your Cash Register .....	29
Displaying the time and date .....	30
Preparing coins for change .....	30
Preparing and using department keys .....	31
Registering department keys .....	31
Programming department keys .....	33
Registering department keys by programming data .....	35
Preparing and using PLUs .....	36
Programming PLUs .....	36
Registering PLUs .....	38
Preparing and using discounts .....	40
Programming discounts .....	40
Registering discounts .....	41
Preparing and using reductions .....	42
Programming or reductions .....	42
Registering reductions .....	43
Calculating the merchandise subtotal .....	44

Shifting the taxable status of an item .....	45
Registering charge and check payments .....	46
Registering returned goods in the REG mode .....	47
Registering returned goods in the RF mode .....	48
Registering money received on account .....	49
Registering money paid out .....	49
Making corrections in a registration .....	50
No sale registration .....	52
Printing the Daily sales RESET report .....	53
<b>Convenient Operations and Setups .....</b>	<b>54</b>
About the clerk control function .....	54
About post-finalization receipt .....	55
Programming general printing control .....	56
Programming compulsory and clerk function .....	57
Programming READ/RESET report printing control .....	58
Setting a store/machine number .....	58
Setting/editing the store telephone number .....	59
High digit limitation for departments .....	59
Single-Item-Sales for departments and PLUs .....	60
Registering Sub-departments .....	61
Registering discounts and premiums .....	65
Registering manually entered tax amounts .....	67
Other programmable options .....	68
Calculator functions .....	69
Printing READ/RESET reports .....	71
Printing the cash register's program .....	76
<b>Troubleshooting .....</b>	<b>78</b>
When an error occurs .....	78
When the register does not operate at all .....	79
In case of power failure .....	80
When the L sign appears on the display .....	80
<b>User Maintenance and Options .....</b>	<b>81</b>
To replace the ink ribbon .....	81
To replace journal paper .....	82
To replace receipt paper .....	83
<b>Specification .....</b>	<b>84</b>
<b>Index .....</b>	<b>85</b>

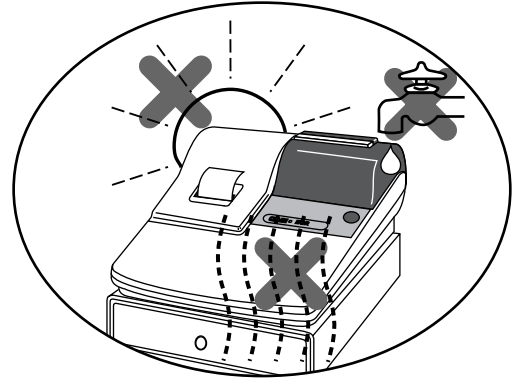
# Unpacking the register



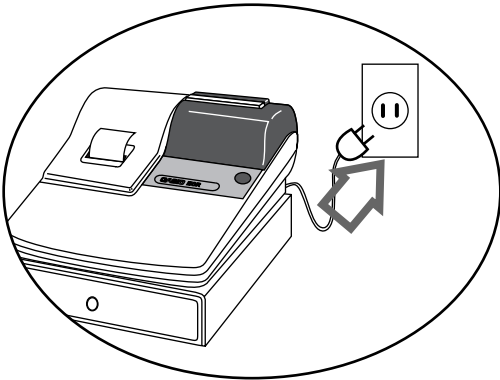
## Important!

Before you do anything, be sure to note the following important precautions!

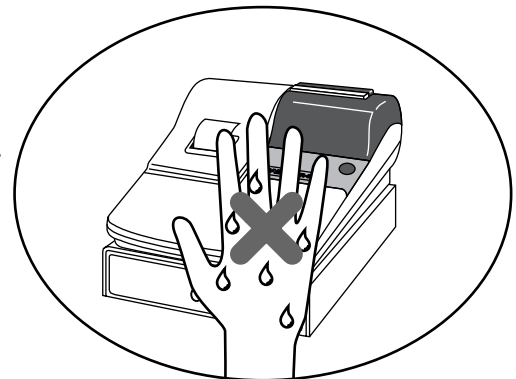
Do not locate the cash register where it will be subjected to direct sunlight, very high humidity, splashing with water or other liquids, or high temperature (such as near a heater).



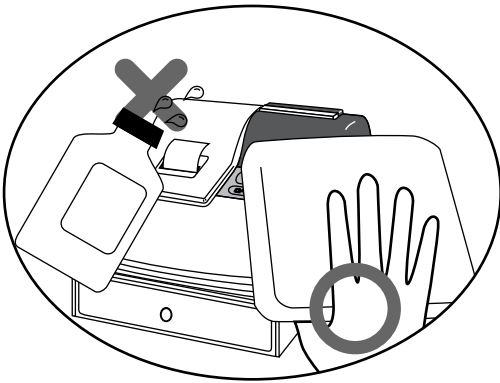
Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in the area.



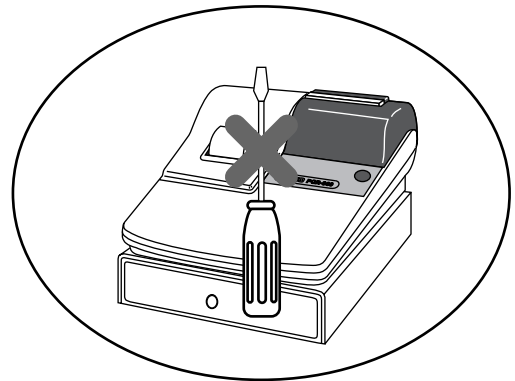
Never operate the cash register while your hands are wet.



Use a soft, dry cloth to clean the exterior of the cash register. Never use benzene, thinner, or any other volatile agent.



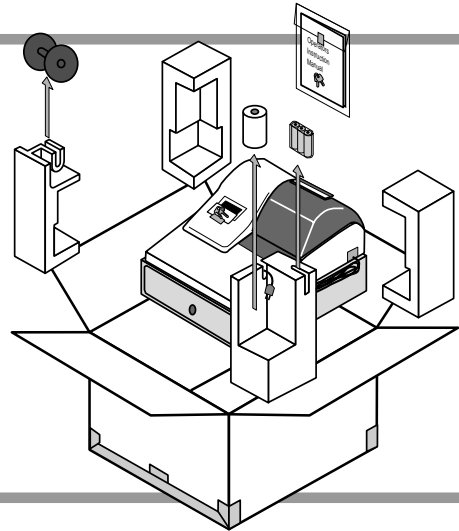
Never try to open the cash register or attempt your own repairs. Take the cash register to your authorized CASIO dealer for repairs.



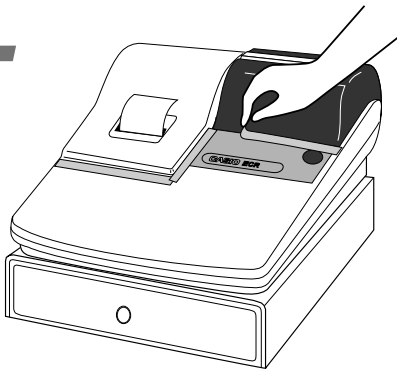
# Getting Started

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

- 1. Remove the cash register from its box, making sure that all of the parts and accessories are included.**



- 2.**

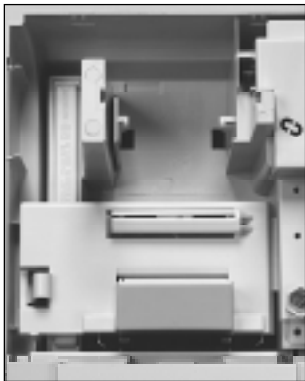


**Remove the tape holding parts of the cash register in place.**

Also remove the small plastic bag taped to the printer cover. Inside you will find the mode keys.

- 3.**

**Install the three memory backup batteries.**

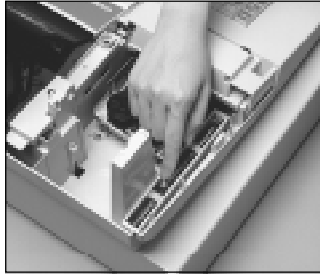
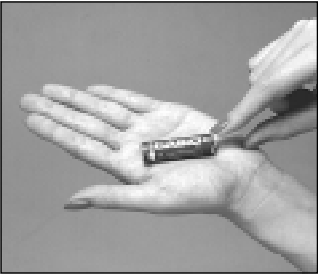


1. Remove the printer cover and inner cover.

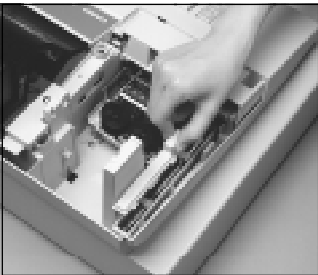


2. Remove the battery compartment cover. Pressing down where the cover is marked " " and put it up.

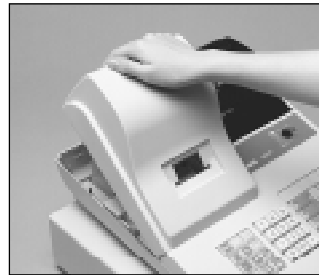
### 3. Install the three memory backup batteries. (continued...)



3. Note the (+) and (-) markings in the battery compartment. Load a set of three new SUM-3 (UM-3) batteries so that their positive (+) and negative (-) ends are facing as indicated by the marking.



4. Replace the battery compartment cover .



5. Replace the inner cover printer cover .

#### Important!

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

#### Precaution!

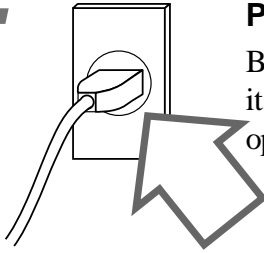
Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the cash register. Note the followings.

- Be sure that the positive (+) and negative (-) ends sides of the batteries are facing as marked in the battery compartment when you load them into the unit.
- Never mix batteries of different types.
- Never mix old batteries with new ones.
- Never leave dead batteries in the battery compartment.
- Remove the batteries if you do not plan to use the cash register for long periods.
- Replace the batteries at least once every two years, no matter how much the cash register is used during the period.

#### WARNING!

- Never try to recharge the batteries supplied with the unit.
  - Do not expose batteries to direct heat, let them become shorted or try to take them apart.
- Keep batteries out of the reach of small children. If your child should swallow a battery, consult a physician immediately.

## 4.

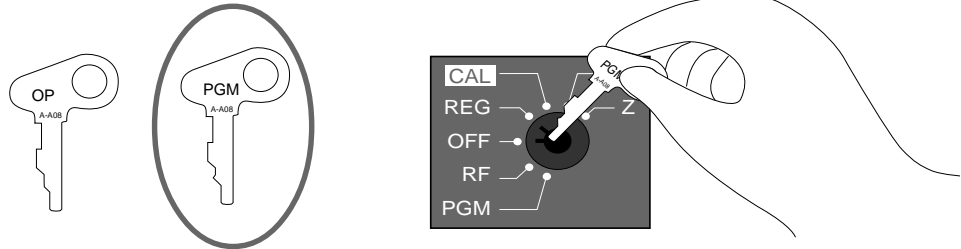


### Plug the cash register into a wall outlet.

Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in your area. The printer will operate for a few seconds.

## 5.

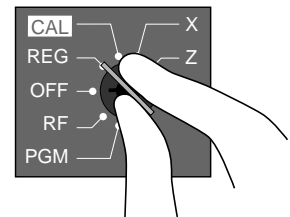
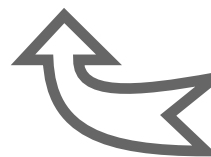
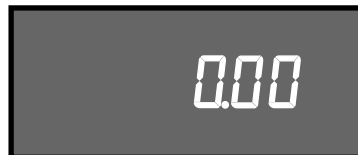
### Insert the mode key marked "PGM" into the Mode Switch.



## 6.

### Turn the mode key to the "REG" position.

The display should change to the following.



## 7.

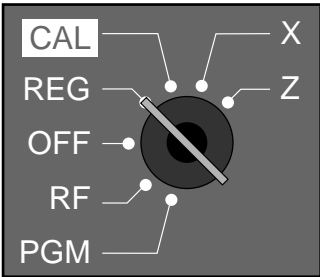
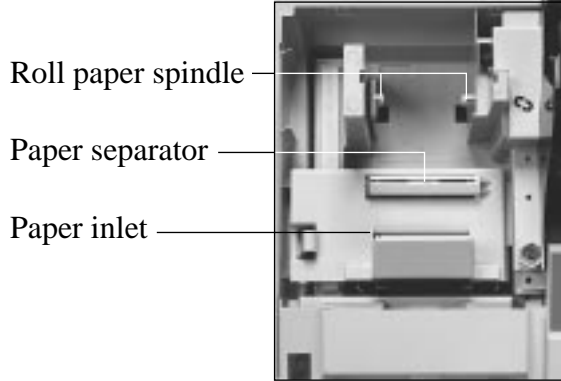
### Install receipt/journal paper

**Important!**

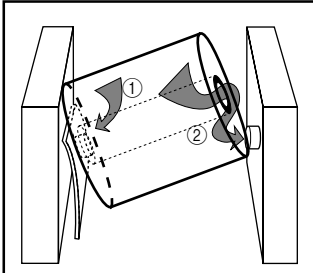
**Never operate the cash register without paper.  
It can damage the printer.**

# 7. Install receipt/journal paper (continued...)

## To load 1-ply paper for printing of receipts



**1** Use a mode key to set the mode switch to REG position



**5** Work the paper roll gently between the two spindles so that they slip into the center hubs of the roll.



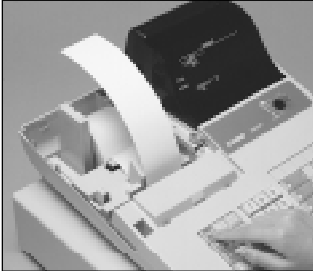
**2** Remove the printer cover



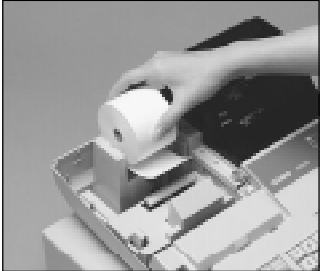
**6** Pass paper over silver plate.



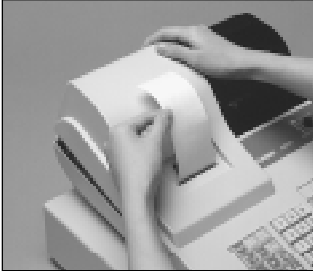
**3** Cut off the leading end of the paper so it is even.



**7** Press the **FEED** key until about 20 cm or 30 cm of paper is fed from the printer.



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



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

## 7. Install receipt/journal paper (continued...)

### To load 1-ply paper for printing of journal

Follow steps **1** through **7** under "To load 1-ply paper for printing receipts" on the previous page.



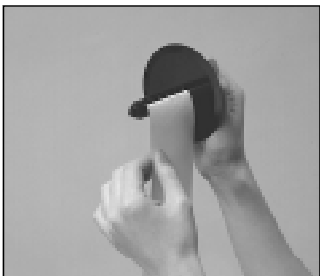
**8**

Remove the flat side plate of the take-up reel.



**12**

Press the **FEED** key to take up any slack in the paper.



**9**

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



**13**

Replace the printer cover.



**10**

Replace the flat side plate of the take-up reel.



**11**

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

# 7. Install receipt/journal paper (continued...)

## To load 2-ply paper for printing of receipts

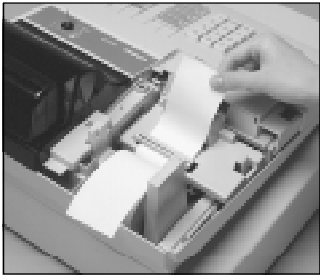
Follow steps ① through ⑤ under "To load 1-ply paper for printing of receipts" above.



⑥ Separate the two sheets of the paper. Pass the outer sheet under the separator.



⑨ Press the **FEED** key until about 20 cm or 30 cm of paper is fed from the printer.



⑦ Pass the inner sheet over the separator.

⑩ Insert the leading end of the inner sheet (which will be your journal) into the take-up reel, as described starting from step ② under "To load 1-ply paper for printing of a journal."



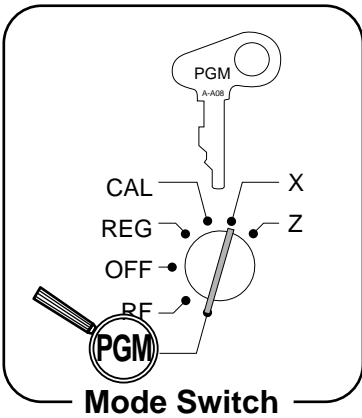
⑧ Join the ends of the paper again and insert them into the paper inlet.

⑪ Replace the printer cover, passing the leading end of the outer sheet through the cutter slot. Tear off the excess paper.



Pass paper over silver plate.

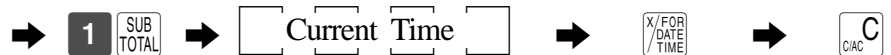
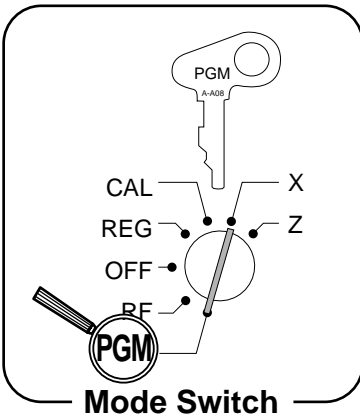
## 8. Set the date.



Example:

December 6, 1996 ⇨ **9 6 1 2 0 6**

## 9. Set the time.

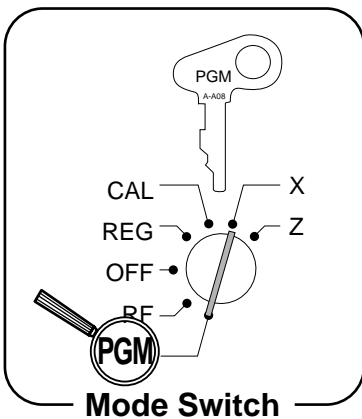


Example:

09:05 AM ⇨ **0 9 0 5**

09:20 PM ⇨ **2 1 2 0**

## 10. Select printouts receipt or journal



Note:

Be sure to select "0" (Receipts) when you use 2-ply paper.

# 11. Tax table programming

## Programming automatic tax calculation

### Important!

After you program the tax calculations, you also have to individually specify which departments (page 34) and PLUs (page 36) are to be taxed.

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

### Programming for the U.S. Tax Tables Procedure

Find your state in the tables (page 16 ~ 19) and input the data shown in the table.

State sales tax calculation data tables for all of the states that make up the United States are included on the following pages. This data is current as of October 30, 1994. \*

\*Some data are revised after Oct.30,1994.

### Important!

Be sure you use the state sales tax data specifically for your state. Even if your state uses the same tax rate percentage as another state, inputting the wrong data will cause incorrect result.

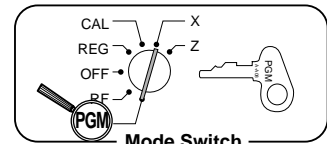
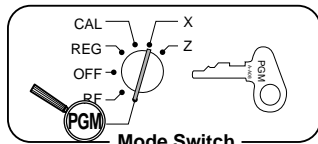
### Programming procedure

Example 1 (Alabama 6% sales tax to Tax Table 1)

Example 2 (Colorado 5.25% sales tax to Tax Table 2)

ALABAMA									
4%	5%	6%	6%	6%	7%	8%			
							(4+1-1)		
0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	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	64	56			
				90	85	78	68		
				109	110	92	81		
						107	93		
							106		

COLORADO					
4.5%	5%	LOVELAND	5.25%	5.5%	
0	211	0	0	5.25	0
1	233	1	1	5002	1
5	255	2	1		6
17	277	17	18		17
33	299	29	18		27
55		49	51		45
77		68	63		281
99		84	81		299
122		118			99
144					118
166					136
188					154

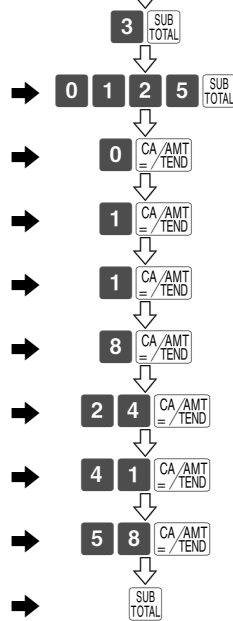


Assign Tax Table 1

Assign Tax Table 2

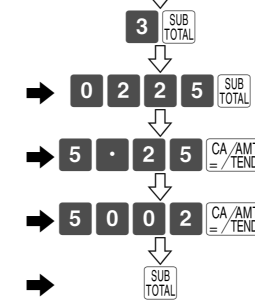
- 0
- 1
- 1
- 8
- 24
- 41
- 58

Terminate program



- 5.25
- 5002

Terminate program





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	1	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					36	33		31	
			67	58					50	46			
			88						65				
			109						79				
			129						99				
									115				
									130				
									146				

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

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

KANSAS																							
2.5%	3%	3.1%	3.25%	3.5%	3.75%	4%	4.1%	4.5%	4.9%	5%	5.25%	5.4%	5.5%	5.65%									
0	0	3.1	0	323	0	0	279	0	4.1	0	0	214	479	744	1010	0	5.25	0	194	435	0	190	5.65
1	1	5002	1	353	1	1	306	1	5002	1	1	234	499	765	1	1	5002	1	212	453	1	209	5002
1	1	0	1	384	1	1	333	1	0	1	1	255	520	785	1	1		1	231	472	1		
19	16	16	15	415	14	13	359	12	12	11	10	275	540	806	8	7		9	249	490	9		0
59	49		46		42	39	386	37		33	30	295	561	826				29	268	509	27		27
99	83		76		71	66	413	62		55	51	316	581	846					46	287	45		45
139	116		107		99	93	87	77		71	71	336	602	867					27	268	63		63
179			138		128	119	112	99		91	357	622	887						64	305	81		81
			169		157	146		122		112	137	642	908						101	342	99		99
			199		185	173		144		132	397	663	928						120	361	118		118
			230		199	199		166		153	418	683	948						138	379	136		136
			261		226	226		188		173	438	704	969						157	398	154		154
			292		253	253		211		193	459	724	989						175	416	172		172

KANSAS							
5.9%	6%	6.15%	6.4%	6.5%	9.5%	10%	
5.9	0	6.15	6.4	6.5	0	110	0
5002	1	5002	5002	5002	1	121	1
0	7	0	0	0	1	131	1
8	8	8	7	7	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

KENTUCKY	
5%	6%
0	0
1	1
6	2
10	8
25	24
46	41
67	58
88	74
109	
129	

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		
1	1	1	1	1	1	1	176	1	1	1		
2	2	2	2	1	6	2	17	192	1	2	7	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	
						84	284			67	61	
						99	299			80	72	
						115	315			93	83	
						130	330			106	94	
						146				105		

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	
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	123
1	1	176	1	135
1	1	192	1	147
8	7	207	7	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%	7.25%	8%	8.5%	9%	9.25%					
0	0	0	0	0	144	324	0	0	123	0	9.25	
1	1	1	1	1	158	337	1	1	135	1	5002	
6	1	1	1	1	172	351	1	1	147	1	0	
11	8	7	6	186	365	6	5	158	5	5		
26	24	21	20	199	379	18	17	170	16			
47	41	35	34	213	393	31	29	182	27			
68	58	49	48	227	406	43	41	194	38			
88	74	64	62	241		56	52	205	49			
109	91	78	75	255		68	64	61				
129	108	92	89	268		81	76	72				
				282		93	88	83				
				296		106	99	94				
				310		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%	5.975%	6.1%	6.225%	6.3%	6.425%	
0	0	0	227	0	0	0	0	0	5.225	0	187	0	5.725	0	175	392	0	163
1	1	1	248	1	1	1	1	1	5002	1	205	1	5002	1	192	410	1	178
1	1	13	270	4	3	3	1	5	1	15	223	1	2	2	209	8	1	194
11	10	10	291	10	10	10	10	9	9	8	241	8	8	8	225	8	7	210
35	32	32	313	31	22	31	30	19	29	26	258	26	25	242	24	24	232	225
59	54	54	335	52	43	52	50	39	49	44	276	44	41	259	40	40	248	241
82	76	75	356	74	65	72	70	59	68	62	294	62	58	276	57	56	265	256
	97	97	378	95	86	93	90	79	88	80	312	79	75	292	73	72	71	272
		118	399	116	107	114	110	98	107	98	330	97	92	309	90	88	87	287
		140	421	137	128	135	130	118		115	348	115	108	326	104	103	101	
		162	443	158	149	156	150	138		133	366	133	125	342	120	119	116	
		183		179	170	177	170	158		151	383	151	142	35				

# Getting Started

**N**

NEW HAMPSHIRE		
7%	Rooms & Meals	Rooms & Meals
7%	8%	
0	129	0
1	143	1
8	158	8
14	172	35
26	186	35
39	201	38
51	215	50
63	229	62
75	243	74
88	257	87
101	271	100
115	285	114

NEW JERSEY			
3%	3.5%	6%	7%
0	0	0	150
1	1	1	164
1	1	1	178
17	14	10	192
41	42	22	207
71	71	38	35
117	100	56	50
128	72	64	78
157	88	78	107
185	110	92	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
1	306	1	270	1	1	1	5002	5002	1
6	333	1	294	4	1	1			1
13	359	11	317	11	11	11			9
40		35	341	34	33	33			28
67		58	364	57	55	55			47
93		82	388	79	78	78			66
120		105	411	102	100	100			85
146		129		125	122	122			104
173		152		148	144	144			123
200		176		171	167	167			142
226		199		194	189	189			161
253		223		217	211	211			180

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

NEW YORK											
4%	5%	5.25%	5.75%	6%	6.25%	6.5%	6.75%	7%	7.25%	7.5%	8%
0	0	5.25	5.75	0	141	0	0	130	6.75	0	121
1	1	5002	5002	1	158	1	1	146	5002	1	135
5	6			7	7	1	1	161		8	149
12	10			10	10	7	7	176		10	164
33	27			22	22	23	23	192		20	178
58	47			38	38	38	38	207		33	192
83	67			56	54	53	53	207		47	207
112	87			72	70	69	69	62		62	58
137	109			88	86	84	84	76		71	67
	129			108	103	99	99	91		85	80
				124	119	115	115	107		99	92

NORTH CAROLINA					
3%	4%	4.5%	5%	6%	6.25%
0	0	0	188	0	0
1	1	1	211	1	1
4	5	6	233	6	2
9	9	9	255	8	10
35	29	25	277	23	24
70	59	53	299	48	41
116	84	75	322	67	58
149	112	95		85	74
183	137	122		109	91
216	144	129		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
1	1	1	1	1	200	1	1	185
3	5	2	2	2	219	3	2	200
15	15	15	15	15	15	15	15	15
33	31	25	20	19	17	31	15	15
67	51	50	40	37	34	47	29	25
100	71	75	55	55	50	62	43	38
133	100	100	73	67	67	77	58	50
166	125	125	91	84	93	93	72	63
200			110	110	108	86	75	75
			128	128	124	100	88	88
			146	146	139	115	100	100
			164	164	154			

OHIO						
5%	5.5%	5.75%	6%	6.25%	6.25%	MEIGS Co.
0	0	146	5.75	0	0	134
1	1	164	5002	1	1	1
2	2	182		2	3	2
15	15	200		15	16	15
20	18	218		17	17	16
40	36			34	34	32
	54			50	50	
	72			67	67	
	90			83	83	
	109			100	100	
	127			117	117	

OHIO			
CUYAHOGA Co.			
6.5%	7%	7%	7.75%
0	123	0	115
1	138	1	128
3	153	3	3
15	169	15	15
15	184	15	15
30	200	28	28
46	215	42	42
61	230	57	57
76	245	71	71
92	260	85	85
107	275	100	100

OKLAHOMA												
2%	3%	3.25%	4%	4.25%	4.5%	5%	5.25%	6%	6.25%	6.25%	7%	7.25%
0	0	0	323	0	0	0	5.25	0	0	6.725	0	7.25
1	1	1	353	1	1	1	5002	1	1	5002	1	5002
1	1	7	384	1	1	1		1	1		1	
24	16	15	415	12	11	9		8	7		8	
74	49	46	446	37	33	29		24	23		22	
	83	76	476		55			41			37	
	116	107	507		77			58			51	
		138	538		99						65	
		169	569		121						79	
		199	599		144						94	
		230									108	
		261									122	
		292										

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	

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	

SOUTH CAROLINA		
CHARLESTON		
4%	5%	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	108
	124	124

SOUTH DAKOTA						
4%	5%	5.5%	6%	6.5%	7%	
0	0	0	190	0	0	149
1	1	1	210	1	1	176
1	1	1		1	1	192
12	10	10		9	7	207
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

TENNESSEE												
COUNTY TAX												
4.5%	5.5%	6%	6.25%	6.5%	6.75%	7%	7.25%	7.5%	8%	8%	8.25%	8.5%
0	188	0	154	354	0	0	0	130	0	125	0	121
1	211	1	172	372	1	1	1	146	1	140	1	1
1	1	11	190	390	2	2	2	161	8	155	2	1
11	10	209		10	10	10	10	176	10	170	10	10
33	27	227		24	23	23	23	192	22	185	21	20
55	45	245		41	39	38	38	207	37	199	35	34
77	63	263		58	55	53	53	223	51	214	49	48
99	81	281		74	71	69	69	66	66	229	64	61
122	99	299			87	84	84	81	81	244	78	75
144	119	318				99	99	96	96	259	92	89
166	136	336				115	115	111	111	274	107	103

TEXAS																				
												HOUSTON (Harris County)								
												DALLAS								
4%	4%	4.125%	4.625%	5%	5.125%	5.25%	5.375%	5.5%	5.625%	6%	6%	6%	6.125%	6.25%	6.25%	6.75%	6.75%			
0	0	0	206	4.625	0	5.125	0	161	5.375	0	155	0	0	0	6.125	0	6.25	0	125	288
1	1	1	230	5002	1	5002	1	180	5002	1	173	1	1	1	5002	1	5002	1	140	303
1	1	1	254		1		12	199		1	191	1	1	1		1		3	155	318
12	12	12	278		9		9	219		9	209	8	8	9		7		8	170	333
37	37	36	303		29		28	238		27		26	24	25	24	23		22	185	348
	62	60	327		49		47		45		44	41	41	42	41	39		37	199	362
	87	84	351		69		66		63		62	58	59		58	55		51	215	377
		109	375				85		81		79	71			74	71		66	229	392
		133	399				104		99		97	81			91	87		81	244	407
		157	424				123		118		115	103			108	103		96	259	422
		181					142		137		133					119		111	274	437

TEXAS							
7%	7.25%	7.5%	7.75%	8%	8.25%		
0	107	7.25	0	0	96	0	8.25
1	1	5002	1	1	109	1	5002
1	1		1	5	122	1	
7			6	6	135	6	
21			19	19	148	18	
35			33	32	161	31	
49			46	45	174		
64			59	58	187		
78			73	70			
92			86	83			

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
10	263	1	1	238	1	1			0	2	0	4	2	
31	284	9	9	257	9	9			8	8	8	7	7	
52	305	29	28	276	27	27					24	23	21	
73	326	47	47	295	46	45					41	27	35	
94	347	66	66	314	65	63					58	47	49	
115	368	85	85	333	83	81					74	63	64	
136	389	104	104	352	102	99						78		
157	410	123	123	371	118							92		
178		142	142	390	136							107		
199		161	161	409	154									
		180	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	

VIRGINIA																		
ARLINGTON COUNTY				FAIRFAX		FAIRFAX CITY		HAMPTON		LEESBURG		RICHMOND		NEWPORT NEWS		RICHMOND		
4%				4.5%		6.5%		7%		7%		7.5%		7.5%		8%		
0	214	484	0	0	188	0	124	0	114	284	0	0	7.5	0	116	0	0	114
1	234	512	1	1	211	1	166	1	144	1	1	1	5002	1	122	1	1	114
13	259	537	2	2	233	4	188	1	166	13	149	1		1	144	2	5	134
33	284		12	15	255	11	211	11	174	14	159	7		14	149	6	14	134
66	314		37	33	277	14	233	24	188	29	184	21		14	166	19	34	159
100	334		62	55	299	33	249	33	211	34	184	35		34	183	33	44	
133	359		87	77		55	255	55		44	214	49		59	188	46	44	
166	384		112	99		77		74		59	214	64		59	211	59	59	
200	414		137	122		99		77		74	234	78		77		77	59	
	434		144	122		99		92		84	249	92		83		83	84	
	459		166	144		122		107		114		114		99		99	84	
				166		144											84	

VIRGINIA											
ROANOKE CITY VA BEACH		NORFOLK CITY		CITY OF RICHMOND							
8.5%		9%		9.5%							
0	99	9	0	99	211	0	89	205	0	89	209
1	112	5002	1	99	233	1	99	1	99	1	99
1	122		6	122	233	1	110	1	109	1	109
11	137		11	122		5	121	9	122	9	122
12	144		33	144		15	131	11	129	11	129
33	162		44	144		26	142	29	144	29	144
37	166		44	166		36	152	33	149	33	149
55	187		55	166		47	163	49	166	49	166
62	188		55	188		57	173	55	169	55	169
77	211		77	188		68	184	69	188	69	188
87			77	211		78	194	77	189	77	189

WASHINGTON																	
7%	7.2%	7.3%	7.5%	7.55%	4.125%	7.8%	7.9%	8%	8.1%	Combined		8.2%	8.7%				
										8.1%							
0	0	131	0	129	0	124	282	7.8	0	0	117	8.1	0	115	262	408	0
1	1		1	143	1	139	1	2	1	1	129	2	1	128	274	420	1
7	6		6	156	1	153	2	3	1	14	141	0	1	140	286	432	1
21	20		19	184	19	179	19	17	6	6	154	6	6	152	296	445	5
35	34		33	198	33	193	33	31	6	6	166	18	18	164	310	457	17
49	48		47	211	46	206	46	44	31	30	179	30	30	176	323	469	28
64	62		61	225	59	217	59	56	44	43	191	43	42	189	335	481	
78	76		74	239	73	230	73	70	55	55	203	54	54	201	347	493	
92	90		88	252	86	243	86	83	67	67	203	67	67	213	359	506	
107	104		102	269	99	256	99		80	80		80	79	225	371		
118			115		113	269	111		92	92		91	91	237	384		
									104	104		103	103	249	396		

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
1	1	1	209
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

## 11. Tax table programming (continued...)

### Programming Canadian Tax Tables Procedure

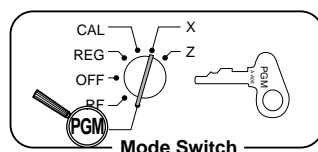
State sales tax calculation data tables for all of the states that make up all Canadian provinces are included on this page. This data is current as of October 30, 1994. Simply find your state or province in the tax tables and input the data shown in its table.

### Programming Tax Table

Example 1: Federal tax: 7% (Add-on/Round-off)

Example 2: Ontario 10% (Tax-on-tax/Round off)

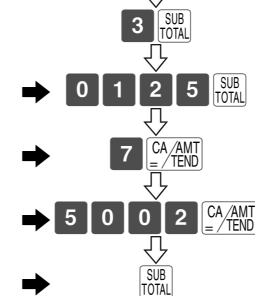
MANITOBA/ SASKATCHEWAN	ONTARIO	N.B. & P.E.I.	QUEBEC
6%	7%	8%	9%
6	7	0	9
5002	5002	1	9002
		3	
		25	
		31	
		43	
		56	



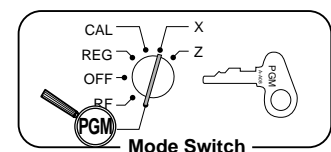
Assign Tax Table 1

7

Terminate program



NOVA SCOTIA	ONTARIO	QUEBEC
10%	10%	10%
10	10	10
5004	5004	5004

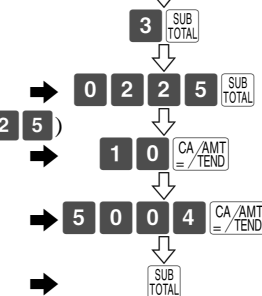


Assign Tax Table 2

(Table 3: 0 3 2 5)

10

Terminate program



**• 3 tax tables are used for the following purpose:**

- Tax table 1: Used for the federal taxable items.
- Tax table 2: Used for the provincial taxable items.
- Tax table 3: Used for the provincial taxable items for different tax table.

#### CANADA TAX TABLES

\* Must be programmed into Tax Table 2 or 3

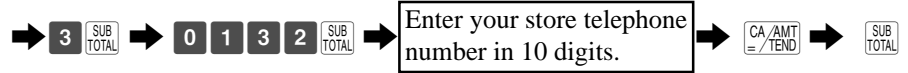
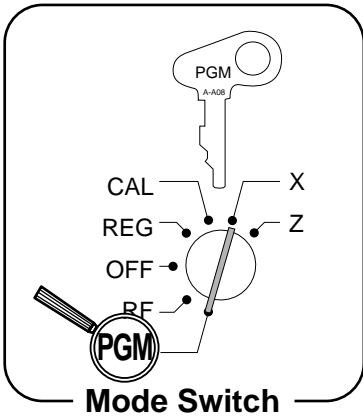
CANADA									
* NOVA SCOTIA	* ONTARIO	* QUEBEC	* NEWFOUNDLAND	* ONTARIO	* BRITISH COLUMBIA	* MANITOBA/ SASKATCHEWAN	* ONTARIO	* N.B. & P.E.I.	* QUEBEC
10%	10%	10%	12%	12%	6%	6%	7%	8%	9%
10	10	10	12	0	0	6	7	0	9
5004	5004	5004	5004	1	1	5002	5002	1	9002
				4	2			3	
				25	14			25	
				25	24			25	
				25	41			31	
				29	58			43	
				37	74			56	
				45					
				54					

#### Important!

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

# 12. Setting the store telephone number

(This step can be skipped.)



Example:  
 (123)456-7890 enter as "1234567890".

### Receipt Sample

```

123-
456-7890

12-06-96
1 12-35
0025

01 •10•00 I
02 •20•00 II
    10 % -
    -2•00 II
    •10•00 I TA
    •0•40 I TX
    •18•00 II TA
    •0•90 II TX

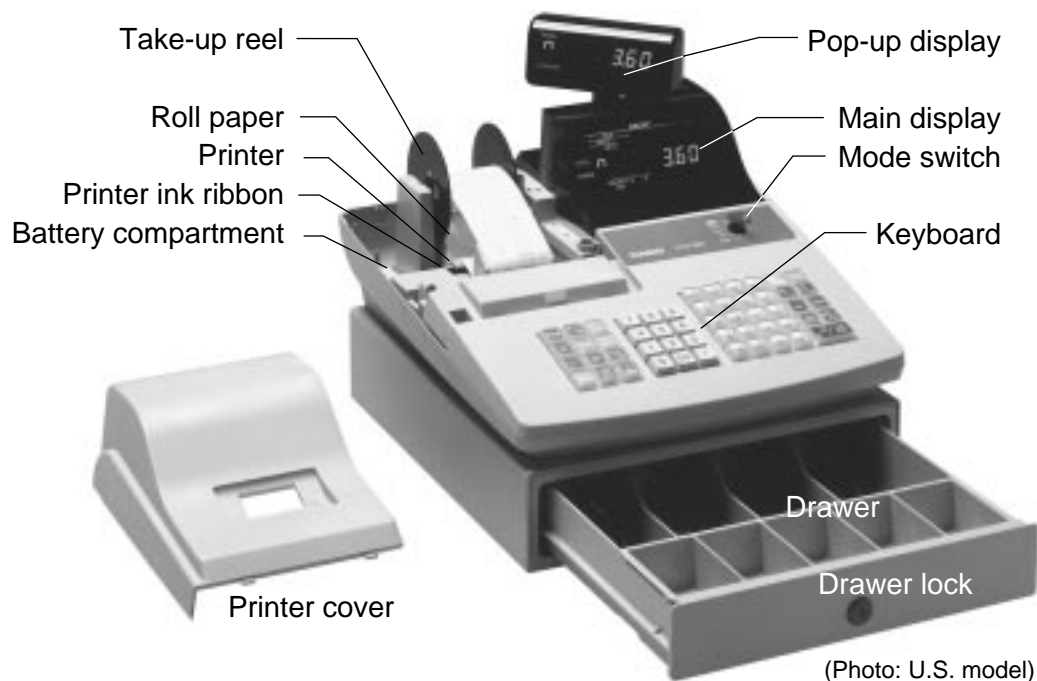
    •29•30 TL
    •50•00 CA AT
    •20•70 CG
    2 No
  
```

Telephone number  
 (Adds hyphens automatically.)

# Introducing the PCR-360

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

## General guide



### Battery compartment

Holds memory backup batteries. (page 8).

### Roll paper

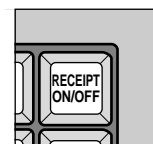
You can use the roll paper to print receipts and a journal (page 10 ~ 13).

### Printer ink ribbon

Provides ink for printing of registration details on the roll paper (page 81).

### Receipt On/Off key

When you are using the printer for receipt printer, you can use this key (in the REG and RF modes only) to turn the printer on and off. If a customer asks for a receipt while receipt printing is turned off by this key, you can issue a post-finalization receipt (page 55).

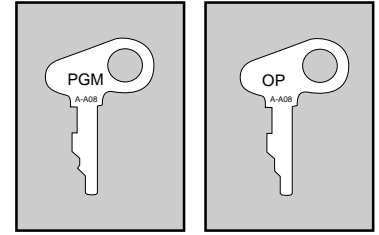


Note: Instead of the receipt on/off switch, receipt issuance is controlled by this key.

## Mode key

There are two types of mode keys: the program key (marked "PGM") and the operator key (marked "OP").

The program key can be used to set the mode switch to any position, while the operator key can select the **REG**, **CAL** and **OFF** position only .

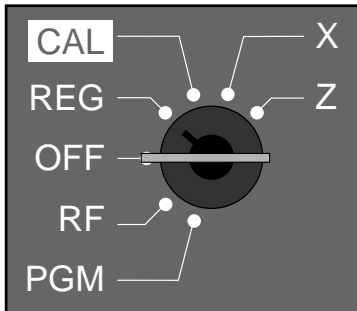


**Program  
key**

**Operator  
key**

## Mode switch

Use the mode keys to change the position of the mode switch and select the mode you want to use.



Mode Switch	Mode Name	Description
<b>Z</b>	<b>RESET</b>	Reads sales data in memory and clears the data.
<b>X</b>	<b>READ</b>	Reads sales data in memory without clearing the data.
<b>CAL</b>	<b>CALCULATOR</b>	Use this mode for calculator.
<b>REG</b>	<b>REGISTER</b>	Use this mode for normal registration.
<b>OFF</b>	<b>POWER OFF</b>	Cash register power switched off.
<b>RF</b>	<b>REFUND</b>	Use this mode to register refund transactions.
<b>PGM</b>	<b>PROGRAM</b>	Use this mode for cash register programming.

## Drawer

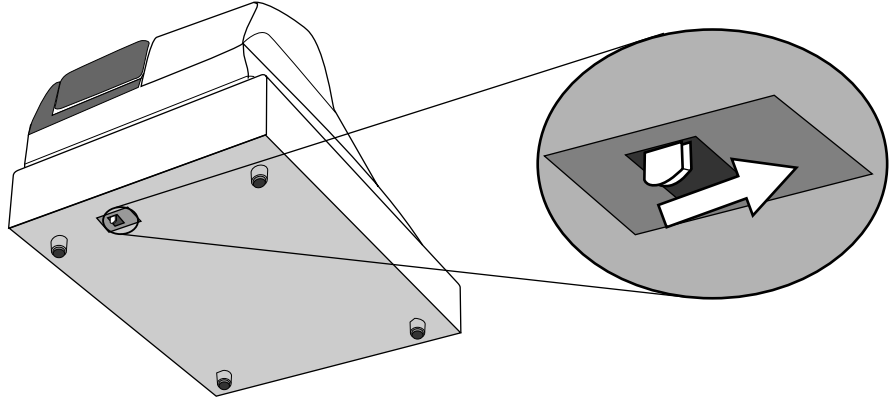
The drawer opens automatically whenever you finalize a registration and whenever you issue a **READ** or **RESET** report. The drawer will not open if it is locked with the drawer key .

## Drawer key

Use the drawer key to lock and unlock the drawer .

## 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!**

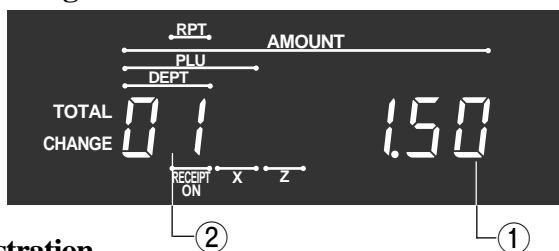
The drawer will not open, if it is locked with a drawer lock key .

## Displays

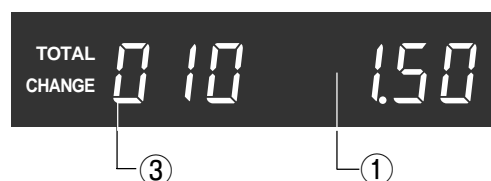
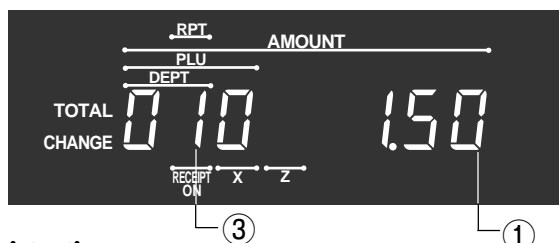
### Main Display

### Pop-up display

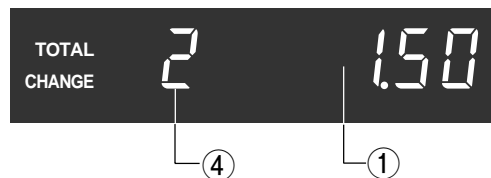
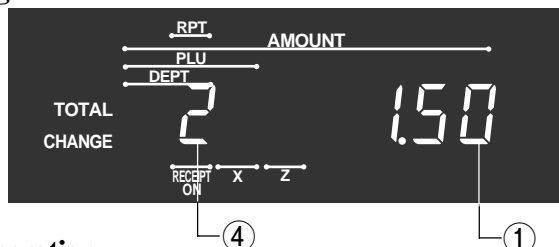
#### Department registration



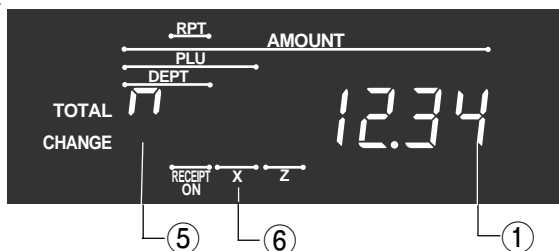
#### PLU registration



#### Repeat registration



#### Totalize operation



#### ① Amount/Quantity

This part of the display shows monetary amounts. It also can be used to show the current date and time.

#### ② Department Number

When you press a department key to register a unit price, the corresponding department number (01 ~ 40: U.S., 01 ~ 10: Canada) appears here.

#### ③ PLU (Sub-Department Number)

When you register a PLU (Sub-Department) item, the corresponding PLU (Sub-Department) number appears here.

#### ④ Number of Repeats

Anytime you perform a repeat registration (page 32), the number of repeats appears here.

Note that only one digit is displayed for the number of repeats. This means that a "5" could mean 5, 15 or even 25 repeats.

#### ⑤ Total/Change Indicators

When the TOTAL indicator (upper segment) is lit, the displayed value is monetary total or subtotal amount. When the CHANGE indicator (lower segment) is lit, the displayed value is the change due.

#### ⑥ Receipt ON/OFF, X, Z indicators (Lowest segment)

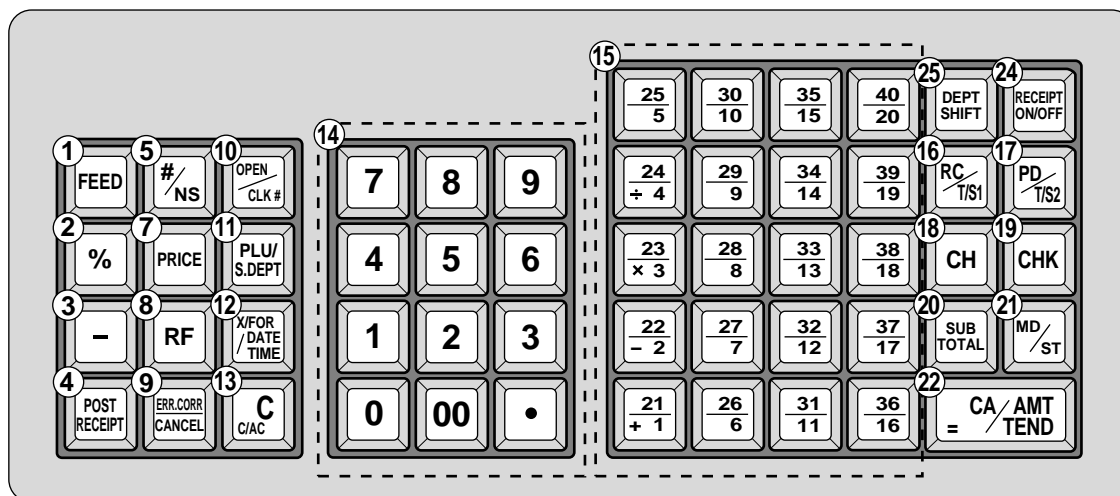
Receipt ON/OFF: When the register issues receipts, this indicator is lit. (REG/RF mode only)

X: Indicates X mode

Z: Indicates Z mode

# Introducing the PCR-360

## Keyboard (U.S.)



### Register Mode

- 1 Paper Feed key** **FEED**

Hold this key down to feed paper from the printer.
- 2 Percent key** **%**

Use this key to register premiums or discounts.  
This key can be changed to Manual tax key.  
Manual tax key: Use this key to register manually entered tax amounts (refer to page 67).
- 3 Minus key** **-**

Use this key to input values for subtraction.
- 4 Post Receipt key** **POST RECEIPT**

Press this key to produce a post-finalization receipt.
- 5 Non-add/No sale key** **#/NS** (U.S.)

Press this key to open the drawer without registering anything. To print reference number (to identify a personal check, credit card, etc.) during a transaction, press this key after some numerical entries.
- 6 Non-add key** **#** (Canada)

To print reference number (to identify a personal check, credit card, etc.) during a transaction, press this key after some numerical entries.
- 7 Price key** **PRICE**

Use this key to register unit prices for sub-department.
- 8 Refund key** **RF**

Use this key to input refund amounts and void certain entries.
- 9 Error Correct/Cancel key** **ERR CORR CANCEL**

Use this key to correct registration errors and to cancel registration of entire transactions.
- 10 Open/Clerk number key** **OPEN/CLK #**

It is necessary to select one of these functions.  
Open key: Press this key to temporarily release a limitation on the number of digits that can be input for a unit price.  
Clerk number key: Use this key to sign clerk on and off the register.
- 11 PLU/Sub-department key** **PLU/S. DEPT**

Use this key to input PLU (sub-department) numbers.
- 12 Multiplication/For/Date/Time key** **X/FOR DATE TIME**

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

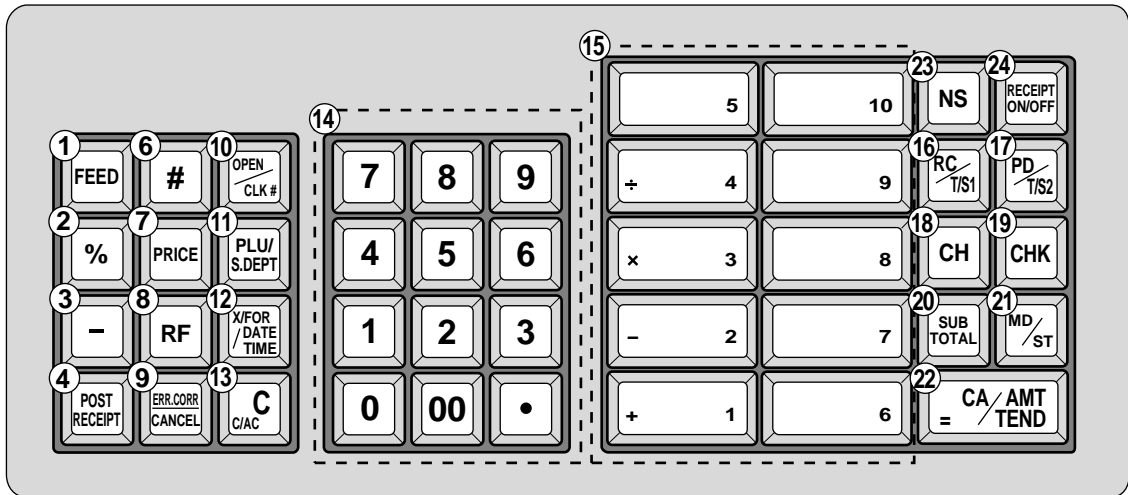
Use this key to clear an entry that has not yet been registered.
- 14 Ten key pad** **0, 1, ~ 9, 00, .**

Use these keys to input numbers.
- 15 Department keys** **+1, +2 ~ +10** (U.S.)  
**Department keys** **+1, +2 ~ +10** (Canada)

Use these keys to register items to departments.
- 16 Received on Account/Tax Status Shift 1 key** **RC/T/S1**

Received on Account: Press this key following a numeric entry to register money received for non-sale transactions.  
Tax Shift 1: Press this key without a numeric entry to change the Taxable 1 status of the next item.

# Keyboard (Canada)



- 17 Paid Out/Tax Status Shift 2 key** PD T/S2

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

Tax Shift 2: Press this key without a numeric entry to change the Taxable 2 status of the next item.
- 18 Charge key** CH

Use this key to register a charge sales.
- 19 Check key** CHK

Use this key to register a check tender.
- 20 Subtotal key** SUB TOTAL

Press this key to display and print the current subtotal (includes add-on tax) amount.
- 21 Merchandise Subtotal key** MD/ST

Press this key to display and print the current item price subtotal (excludes add-on tax) amount.
- 22 Cash Amount Tendered key** CA/AMT TEND

Press this key to register a cash sales.
- 23 No sale key** NS (Canada)

Press this key to open the drawer without registering anything.
- 24 Receipt On/Off key** RECEIPT ON/OFF

Press this key twice to change the status "receipt issue" or "no receipt." This key is only effective when the "use printer for receipt printer" in the printer control program is selected. In case of "receipt issue", the "RECEIPT ON" indicator is lit.

- 25 Department Shift key** DEPT SHIFT (U.S.)

Press this key to shift the department key number from 1 through 20 to 21 through 40 as follows.

<small>21 + 1</small>	⇒ Dept.1	<small>DEPT SHIFT + 1</small>	⇒ Dept.21
<small>22 - 2</small>	⇒ Dept.2	<small>DEPT SHIFT - 2</small>	⇒ Dept.22
<small>23 x 3</small>	⇒ Dept.3	<small>DEPT SHIFT x 3</small>	⇒ Dept.23
⋮		⋮	
<small>40 / 20</small>	⇒ Dept.20	<small>DEPT SHIFT / 20</small>	⇒ Dept.40

## Calculator Mode

- 2 Percent key** %
- 5 Drawer open key** #/NS (U.S.)
- 11 Memory recall key** PLU/S.DEPT
- 12 Clear key** C
- 14 Ten key pad** **0**, **1**, ~ **9**, **00**, **.**
- 15 Arithmetic operation keys** **+**, **-**, **x**, and **÷**
- 22 Equal key** CA/AMT TEND
- 23 Drawer open key** NS (Canada)

## How to read the printouts...

- The journal and receipts are records of all transactions and operations.
- The contents printed on receipts and journal are identical, except the date printing line. (The date line is printed on receipts and reports.)
- You can choose the journal skip function (page 56).  
If the journal skip function is selected, the cash register will print the total amount of each transaction, and the details of premium, discount and reduction operations only, without printing department and PLU item registrations on the journal.
- The following items can be skipped on receipts and journal.
  - Time
  - Consecutive number
  - Taxable status
  - Taxable amount

### Receipt Sample

12-06-96	Date
1 12-35	Clerk No./Time
1234 0025	Machine No./ Consecutive No.
01 •10•00 I	
02 •20•00 II	
10 % -	
-2•00 II	
•10•00 I TA	
•0•40 I TX	
•18•00 II TA	
•0•90 II TX	
•29•30 TL	
•50•00 CA AT	
•20•70 CG	
2 No	Item counter No. of item sold

### Journal Sample (Item lines Included)

12-06-96	
1 12-35	
1234 0025	
01 •10•00 I	
02 •20•00 II	
10 % -	
-2•00 II	
•10•00 I TA	
•0•40 I TX	
•18•00 II TA	
•0•90 II TX	
•29•30 TL	
•50•00 CA AT	
•20•70 CG	
2 No	

### Journal Sample (Item lines Skipped)

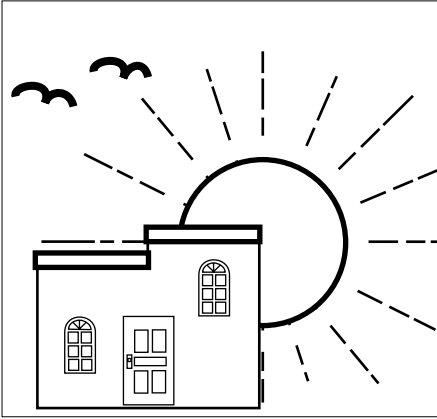
1 12-35	
1234 0025	
10 % -	
-2•00 II	
•10•00 I TA	
•0•40 I TX	
•18•00 II TA	
•0•90 II TX	
•29•30 TL	
•50•00 CA AT	
•20•70 CG	
2 No	

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

# How to Use Your Cash Register...

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

## BEFORE business hours...



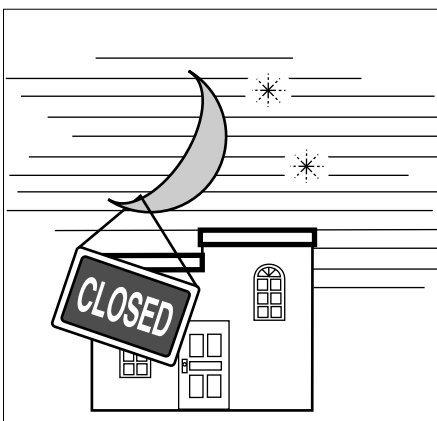
- Check to make sure that the cash register is plugged in securely. Page 10
- Check to make sure there is enough paper left on the roll. Page 11
- Read the financial totals to confirm that they are all zero. Page 72
- Check the date and time. Page 30

## DURING business hours...

- Register transactions. Page 31
- Periodically read totals. Page 71



## AFTER business hours...

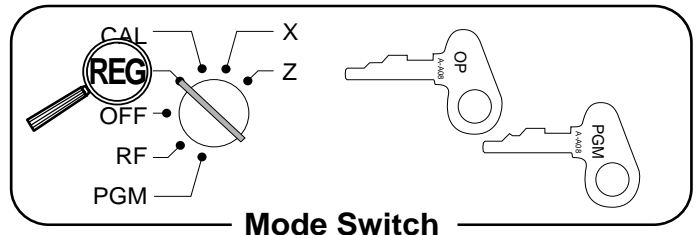


- Reset the daily totals. Page 53
- Remove the journal. Page 82
- Empty the cash drawer and leave it open. Page 23
- Take the cash and journal to the office.





# Basic Operations and Setups

## Displaying the time and date







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



### To display and clear the time




OPERATION	DISPLAY
 Time appears on the display	 Hour Minutes (24-hour system)
 Clears the time display	 Receipt On Indicator

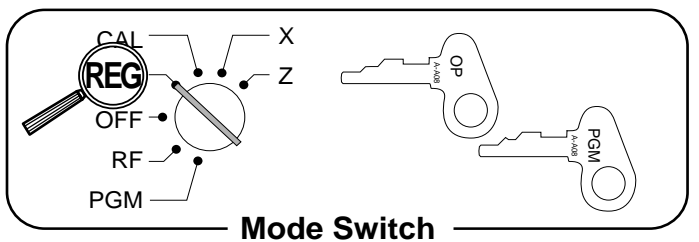
### To display and clear the date

OPERATION	DISPLAY
 Date appears on the display	 (Time displayed first)
 Date appears on the display	 Month Date Year
 Clears the date display	 Receipt On Indicator


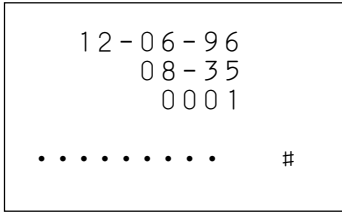
## Preparing coins for change

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

(You can use  key instead of  () key. See page 49.)



### Opening the drawer without a sale

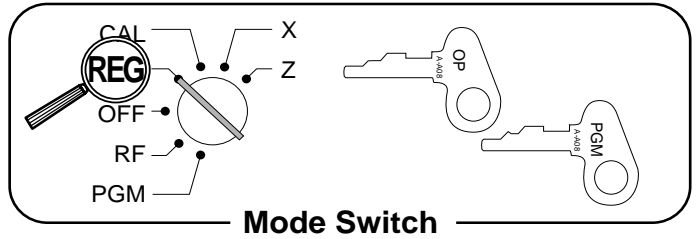
OPERATION	RECEIPT
	

• For Canada, press  key instead of  key.

# Preparing and using department keys

## Registering department keys

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



### Single Item Sale

#### Example 1

Item	Unit Price	\$1.00
	Quantity	1
	Dept.	1
	Taxable	No
Payment	Cash	\$1.00

#### OPERATION

**1 00**  
Unit price

**+ 1**  
Department

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

#### RECEIPT

```

12-06-96 --- Date
08-40 --- Time
0002 --- Consecutive No.
01 • 1.00 --- Department No./
                • 1.00 CA Unit price
    
```

#### Example 2 (only for U.S.)

Item	Unit Price	\$20.00
	Quantity	1
	Dept.	21
	Taxable	No
Payment	Cash	\$20.00

#### OPERATION

**2 0 00** **DEPT** **21**  
Designating from 21 to 40  
department, press **SHIFT** first.

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

#### RECEIPT

```

12-06-96
08-50
0003
21 • 20.00
    • 20.00 CA
    
```

#### Example 3

Item	Unit Price	\$3.00
	Quantity	1
	Dept.	1
	Taxable	1
Payment	Cash	\$3.12

#### OPERATION

**RC** **3 00** **+ 1**  
Shifting non-taxable dept. to  
taxable by depressing **RC**, **PD**  
before numerics.

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

#### RECEIPT

```

12-06-96
09-00
0004
01 • 3.00 I --- Tax status
    • 3.00 I TA --- Taxable Amount 1
    • 0.12 I TX --- Tax 1
    • 3.12 CA
    
```

# Basic Operations and Setups

## Repeat

	Unit Price	\$1.50
Item	Quantity	3
	Dept.	1
	Taxable	No
Payment	Cash	\$10.00

### OPERATION

1 5 0 + 1  
 + 1  
 + 1  
 SUB TOTAL  
 1 0 00 CA/AMT  
 =/TEND

### RECEIPT

```

12-06-96
09-10
0005

01  • 1.50
01  • 1.50
01  • 1.50

      • 4.50 TL
      • 10.00 CA AT
      • 5.50 CG
  
```

— Repeat  
 — Repeat

## Multiplication

	Unit Price	\$1.00
Item	Quantity	12.5
	Dept.	1
	Taxable	No
Payment	Cash	\$20.00

### OPERATION

1 2 . 5 X/FOR  
 /DATE /TIME  
 Quantity  
 (4-digit integer/2-digit decimal)  
 1 00 + 1  
 SUB TOTAL  
 2 0 00 CA/AMT  
 =/TEND

### RECEIPT

```

12-06-96
09-20
0006

12.5 X
• 1.00 @
01 • 12.50

      • 12.50 TL
      • 20.00 CA AT
      • 7.50 CG
  
```

— Quantity  
 — Unit Price

## Split Sales of Packaged Items

	Unit Price	4 for \$10.00
Item	Quantity	3
	Dept.	1
	Taxable	No
Payment	Cash	\$10.00

### OPERATION

3 X/FOR  
 /DATE /TIME  
 Quantity being purchased  
 (4-digit integer/2-digit decimal)  
 4 X/FOR  
 /DATE /TIME  
 Package quantity  
 (4-digit integer/2-digit decimal)  
 1 0 00 + 1  
 Package price  
 SUB TOTAL  
 1 0 00 CA/AMT  
 =/TEND

### RECEIPT

```

12-06-96
09-30
0007

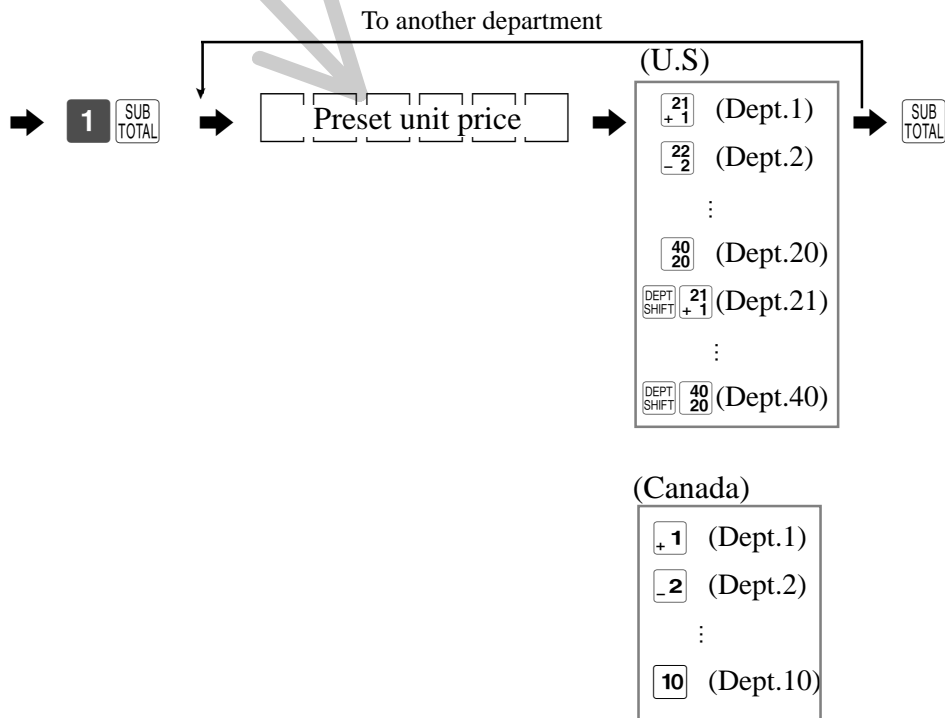
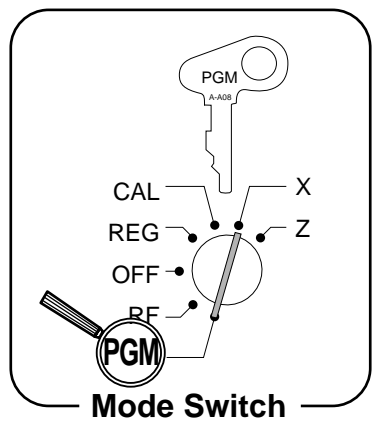
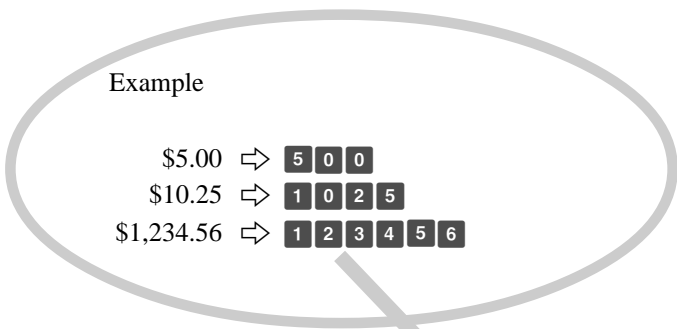
      3 X
      4
01 • 10.00 @
      • 7.50

      • 7.50 TL
      • 10.00 CA AT
      • 2.50 CG
  
```

— Quantity  
 — Package quantity  
 — Unit Price

# Programming department keys

To program a unit price for each department.



# Basic Operations and Setups

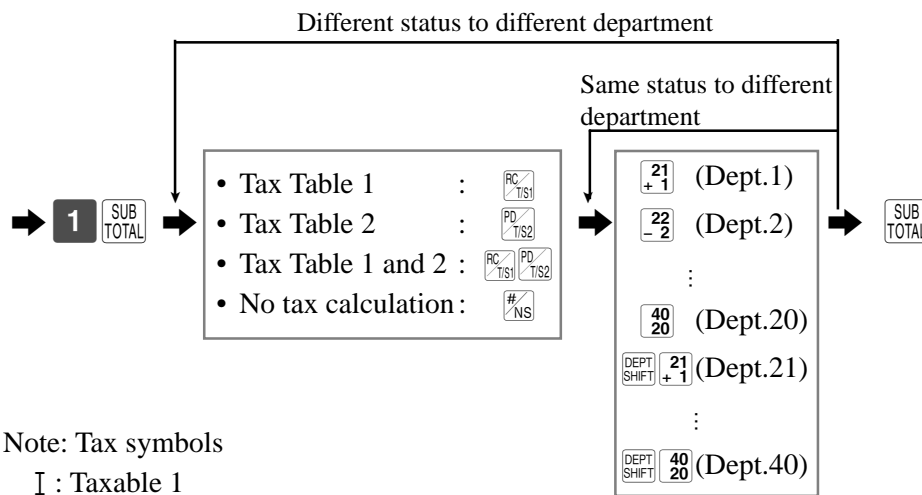
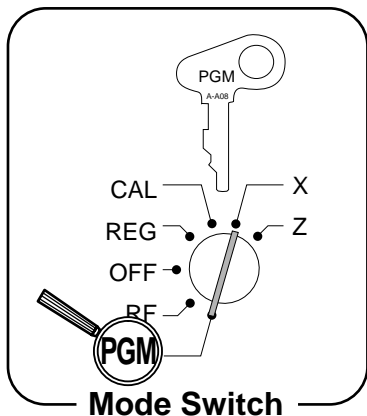
To program the tax calculation status for each department.

## Tax calculation status

This specification defines which tax table should be used for automatic tax calculation. See page 16 for information on setting up the tax tables.

## Programming procedure

U.S.



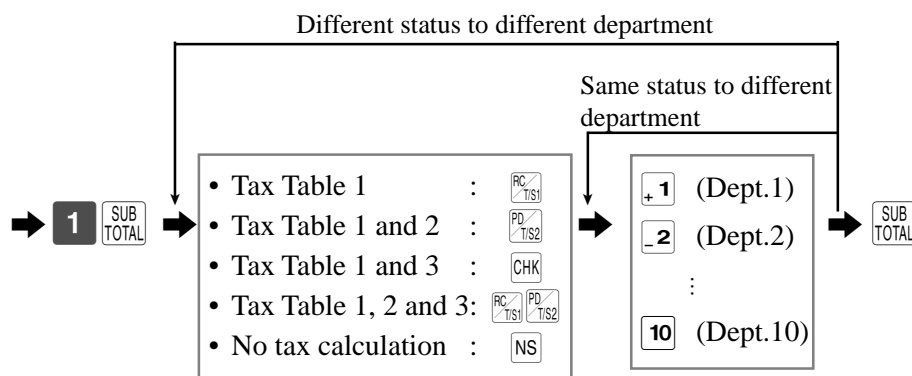
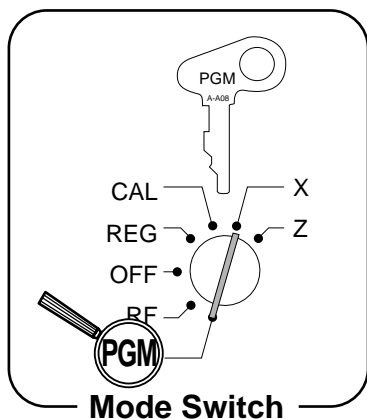
Note: Tax symbols

- I : Taxable 1
- II : Taxable 2
- III : Taxable 1 and 2

Tax status for the departments are initialized as follows:

- Department 1 ~ 10: Tax table 1 and 2,
- Department 11 ~ 40: No tax calculation.

Canada



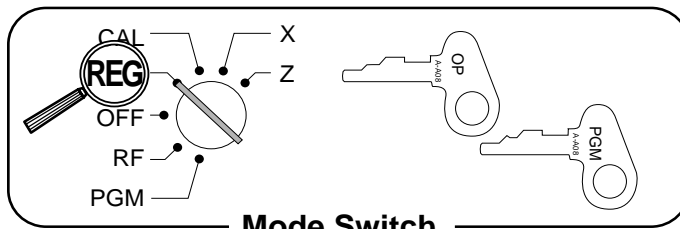
Note: Tax symbols

- I : Taxable 1
- II : Taxable 1 and 2
- III : Taxable 1 and 3
- \* : Taxable 1, 2 and 3

Tax status for the departments are initialized as follows:

- Department 1 ~ 5: Tax table 1 and 2,
- Department 6 ~ 10: No tax calculation.

# Registering department keys by programming data



## Preset Price

### OPERATION

### RECEIPT

	Unit Price	(\$1.00) <sub>preset</sub>
Item	Quantity	1
	Dept.	2
	Taxable	No
Payment	Cash	\$1.00

**2**  
CA/AMT  
= TEND

```

12-06-96 --- Date
09-40 --- Time
0008 --- Consecutive No.
02 • 1.00 --- Department No./
                Unit price
                • 1.00 CA
    
```

## Preset Tax Status

### OPERATION

### RECEIPT

Item 1	Unit Price	(\$2.00) <sub>preset</sub>
	Quantity	5
	Dept.	3
	Taxable	(1) <sub>preset</sub>
Item 2	Unit Price	(\$2.00) <sub>preset</sub>
	Quantity	1
	Dept.	3
	Taxable	No
Payment	Cash	\$20.00

**5** X/ FOR  
/ DATE  
/ TIME  
**3** x  
PC/T/S1 x **3**  
SUB  
TOTAL  
**2 0 00** CA/AMT  
= TEND

```

12-06-96
09-50
0009
5 X
• 2.00 @ --- Tax status
03 • 10.00 I --- Taxable Amount 1
03 • 2.00 --- Tax 1
    • 10.00 I TA
    • 0.40 I TX
    • 12.40 TL
    • 20.00 CA AT
    • 7.60 CG
    
```

## Preparing and using PLUs

This section describes how to prepare and use PLUs.

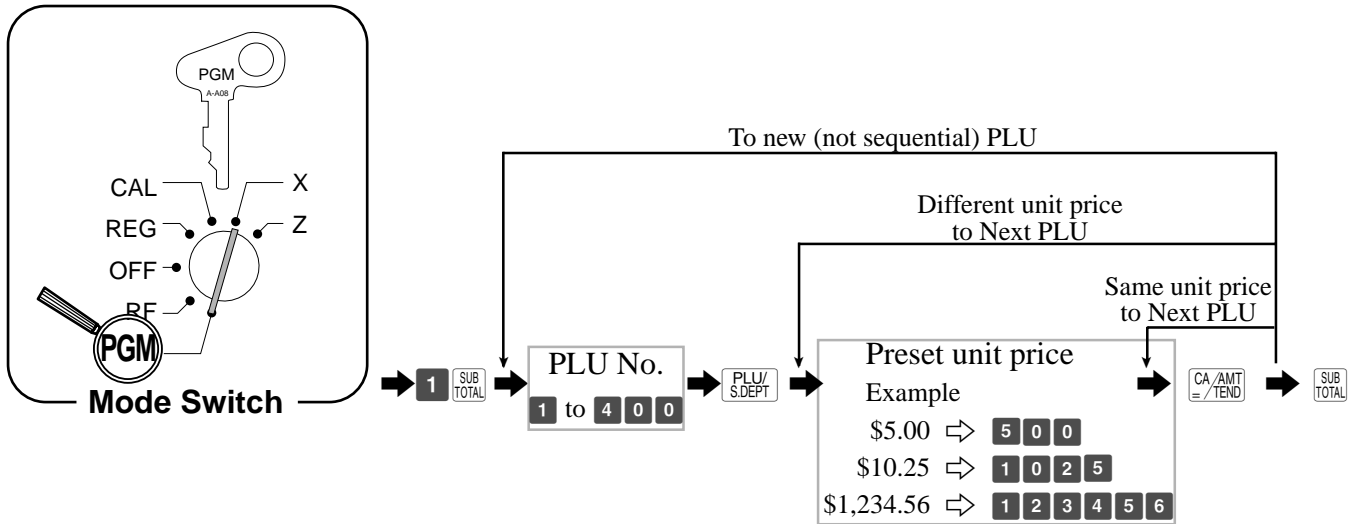
### CAUTION:

Before you use PLUs, you should first tell the cash register how it should handle the registration.

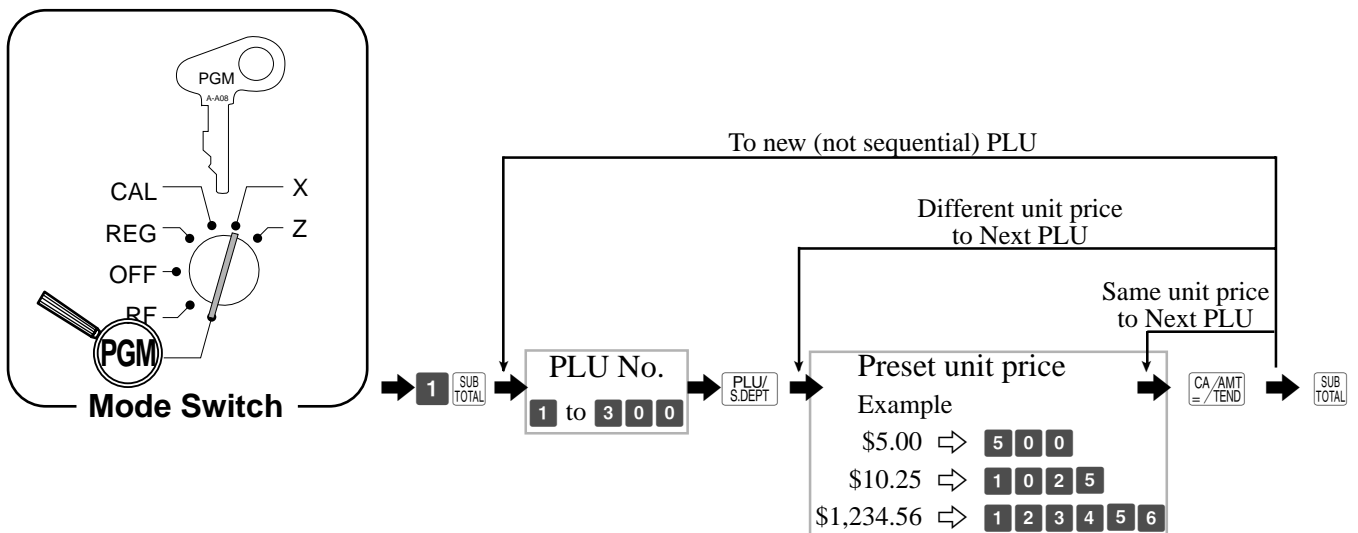
### Programming PLUs

To program a unit price for each PLU

U.S.

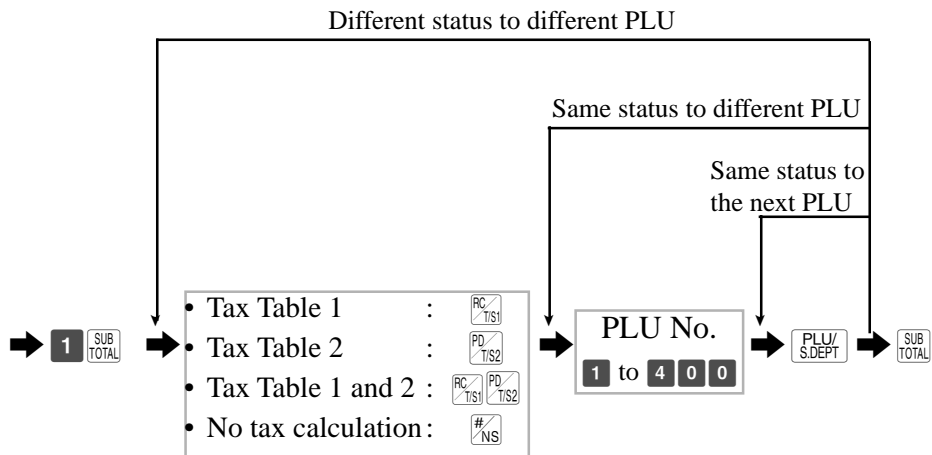
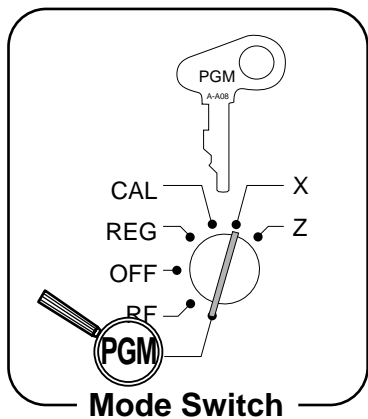


Canada



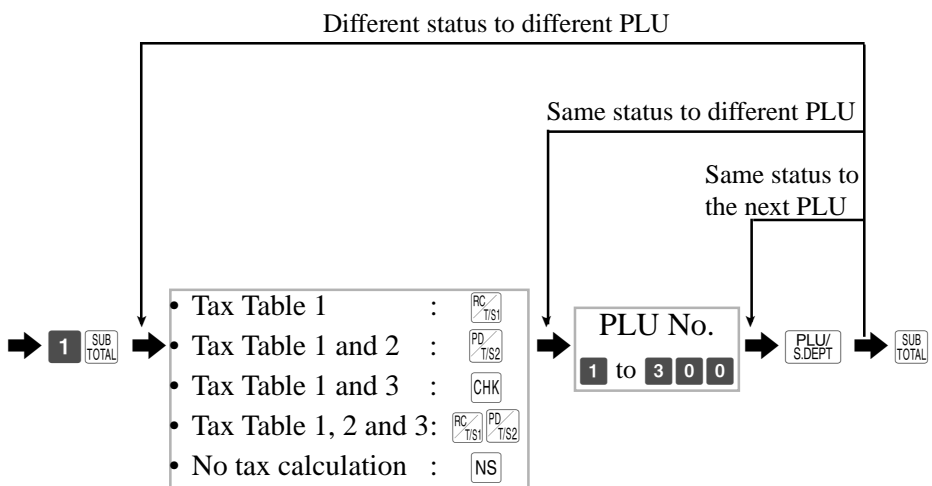
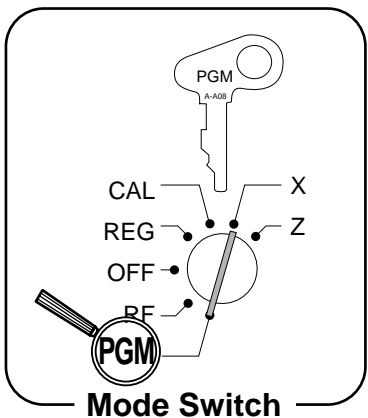
## To program tax calculation status for each PLU

U.S.



All PLUs are initialized as no tax calculation.

Canada



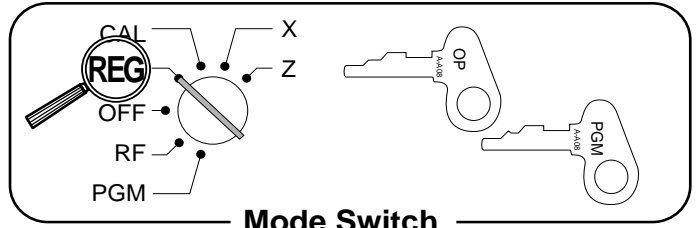
All PLUs are initialized as no tax calculation.

# Basic Operations and Setups

## Registering PLUs

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

Registering by Sub-department, see the "Convenient Operations and Setups" on page 61.



### PLU Single-Item-Sale

#### OPERATION

#### RECEIPT

	Unit Price	(\$2.50) <sub>preset</sub>
Item	Quantity	1
	PLU	14
	Taxable	(2) <sub>preset</sub>
Payment	Cash	\$3.00

**1 4**  
PLU code

**PLU/S.DEPT**

**SUB TOTAL**

**3 00** **CA/AMT**  
**=/TEND**

```

12-06-96
 10-00
 0010
014  •2.50 II — PLU No./Unit price
      •2.50 II TA
      •0.13 II TX
      •2.63 TL
      •3.00 CA AT
      •0.37 CG
    
```

### PLU Repeat

#### OPERATION

#### RECEIPT

	Unit Price	(\$2.50) <sub>preset</sub>
Item	Quantity	3
	PLU	14
	Taxable	(2) <sub>preset</sub>
Payment	Cash	\$10.00

**1 4** **PLU/S.DEPT**

**PLU/S.DEPT**

**PLU/S.DEPT**

**SUB TOTAL**

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

```

12-06-96
 10-10
 0011
014  •2.50 II
014  •2.50 II
014  •2.50 II
      •7.50 II TA
      •0.38 II TX
      •7.88 TL
      •10.00 CA AT
      •2.22 CG
    
```

### PLU Multiplication

#### OPERATION

#### RECEIPT

	Unit Price	(\$1.20) <sub>preset</sub>
Item	Quantity	15
	PLU	2
	Taxable	(2) <sub>preset</sub>
Payment	Cash	\$20.00

**1 5** **X/FOR**  
**/DATE**  
**/TIME**

Quantity  
(4-digit integer/2-digit decimal)

**2** **PLU/S.DEPT**

**SUB TOTAL**

**2 0 00** **CA/AMT**  
**=/TEND**

```

12-06-96
 10-20
 0012
      15 X
      •1.20 @
002  •18.00 II
      •18.00 II TA
      •0.90 II TX
      •18.90 TL
      •20.00 CA AT
      •1.10 CG
    
```

# PLU Split Sales of Packaged item

## OPERATION

## RECEIPT

	Unit Price	(5for\$20.00) <sub>preset</sub>
Item	Quantity	3
	PLU	28
	Taxable	(2) <sub>preset</sub>
Payment	Cash	\$15.00

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

**5**  FOR  
DATE  
/ TIME  
Package quantity  
(4-digit integer/2-digit decimal)

**2 8**  PLU/  
S.DEPT

SUB  
TOTAL

**1 5 00**  CA/AMT  
=/TEND

```

12-06-96
  10-30
   0013

      3 X
      5
•20•00 @
028 •12•00 II
      •12•00 II TA
      •0•60 II TX

      •12•60 TL
      •15•00 CA AT
      •2•40 CG
    
```

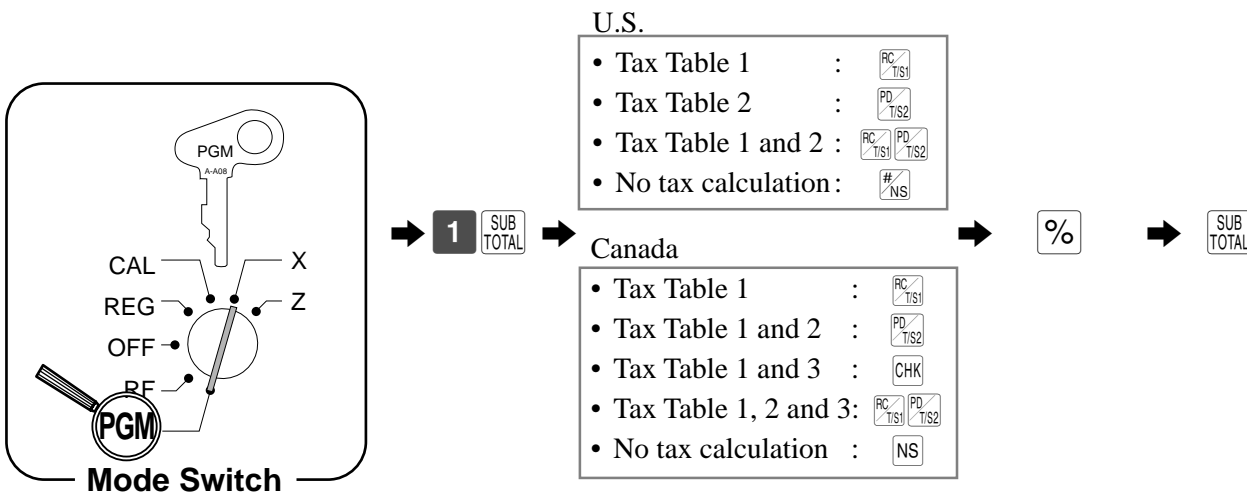
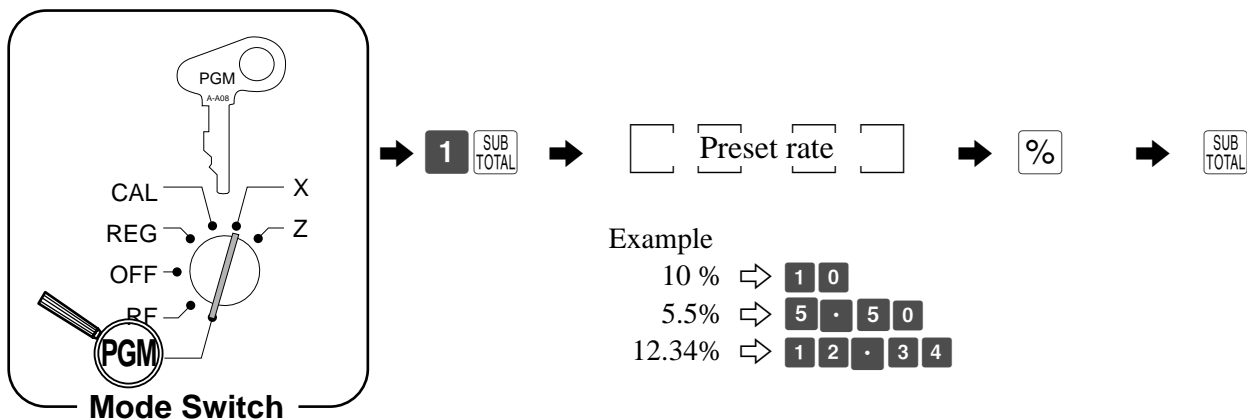
## Preparing and using discounts

This section describes how to prepare and register discount.

### Programming discounts

You can use the [%] key to register discounts (percentage decreases). The more detailed informations about the discount (and premium) are described in the "Registering discounts and premiums" section in the "Convenient Operations and setups" chapter on page 65.

#### To program a rate to the [%] key

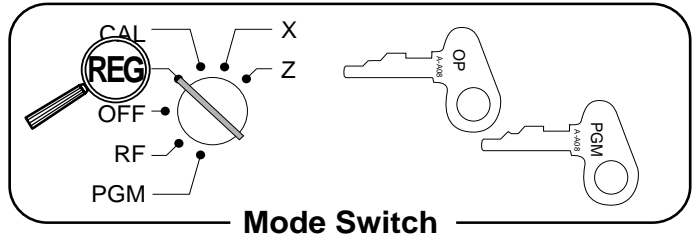


Tax status for the [%] key is initialized as tax 1 and 2. (U.S.)

Tax status for the [%] key is initialized as tax 1, 2 and 3. (Canada)

## Registering discounts

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



### Discount for Items and subtotals

Item 1	Unit Price	\$5.00
	Quantity	1
	Dept.	1
	Taxable	(1) <sub>preset</sub>
Item 2	Unit Price	(\$10.00) <sub>preset</sub>
	Quantity	1
	PLU	16
	Taxable	(2) <sub>preset</sub>
Discount	Rate	(5%) <sub>preset</sub>
Subtotal	Rate	3.5%
discount	Taxable	1 and 2
Payment	Cash	\$15.00

#### OPERATION

5 00 + 1  
1 6 PLU/  
S.DEPT  
[%]

Applies the preset discount rate to the last item registered.

For this operation, hit this key instead of <sup>SUB</sup>TOTAL.

3 . 5 [%]

The input value takes priority of the preset value.

1 5 00 <sup>SUB</sup>TOTAL  
CA/AMT  
= / TEND

#### RECEIPT

```

12-06-96
  10-40
   0014

01  .500 I
016 .1000 II
     5 % -
    -0.50 II
    .14.50 ST
    3.5 % -
    -0.51 III
    .4.82 I TA
    .0.19 I TX
    .9.17 II TA
    .0.46 II TX

.14.64 TL
.15.00 CA AT
.0.36 CG
    
```

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

#### Taxable status of the [%] key

- Whenever you perform a discount operation on the last item registered, the tax calculation for discount amount is performed in accordance with the tax status programmed for that item.
- Whenever you perform a discount operation on a subtotal amount, the tax calculation for the subtotal amount is performed in accordance with the tax status programmed for the [%] key.

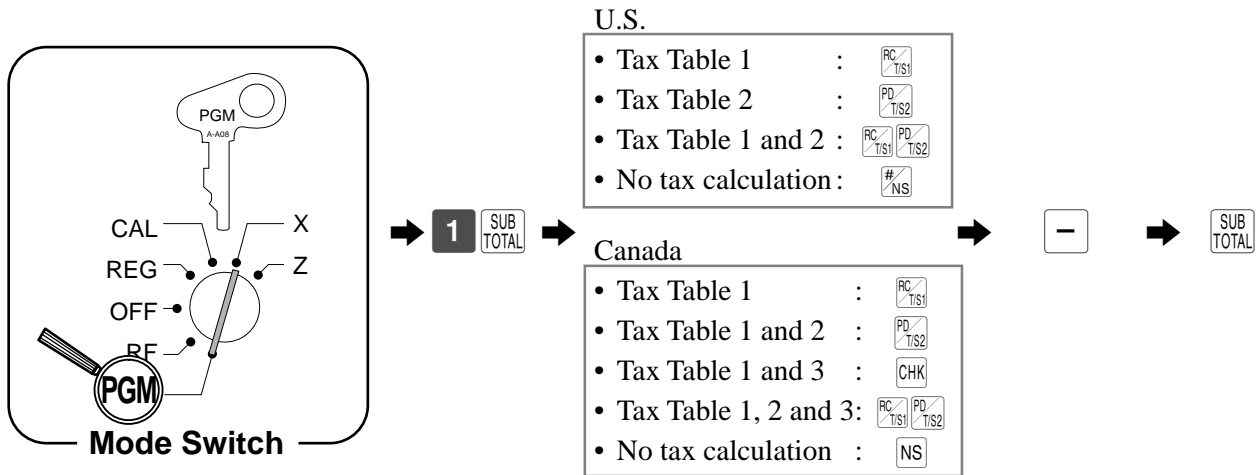
## Preparing and using reductions

This section describes how to prepare and register reductions.

### Programming for reductions

You can use the  key to reduce single items or subtotal amounts. The following procedure lets you program the tax calculation method for the  key.

**To program tax calculation status.**




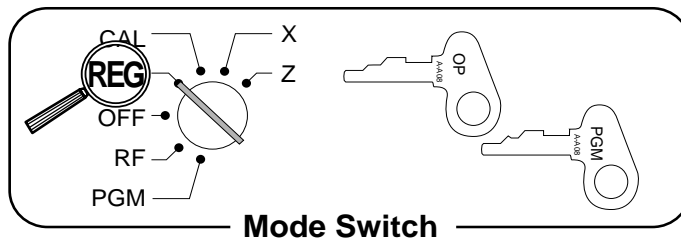
Tax status for the  key is initialized as no tax calculation.

### Taxable status of the key

The tax calculation for the reduction amount is performed in accordance with the tax status programmed for the  key, regardless of whether the reduction is performed on the last item registered or a subtotal amount.

## Registering reductions

The following examples show how you can use the  key in various types of registration.









### Reduction for Items

#### OPERATION

#### RECEIPT

Item 1	Unit Price	\$5.00
	Quantity	1
	Dept.	1
	Taxable	(1) <sub>preset</sub>
Reduction	Amount	\$0.25
Item 2	Unit Price	(\$6.00) <sub>preset</sub>
	Quantity	1
	PLU	45
	Taxable	(1) <sub>preset</sub>
Reduction	Amount	\$0.50
Payment	Cash	\$11.00

  
  
 Reduces the last amount registered by the value input.  
  
  
  


```

12-06-96
  10-50
   0015

01    • 5.00 I
      - 0.25 I
045   • 6.00 I
      - 0.50 I
      • 10.25 I TA
      • 0.41 I TX

      • 10.66 TL
      • 11.00 CA AT
      • 0.34 CG
    
```







- You can manually input reduction values up to 7 digits long.
- The amount you input for the reduction is neither subtracted from the department nor PLU totalizer.

### Reduction for Subtotal

#### OPERATION

#### RECEIPT

Item 1	Unit Price	\$3.00
	Quantity	1
	Dept.	1
	Taxable	(1) <sub>preset</sub>
Item 2	Unit Price	\$4.00
	Quantity	1
	Dept.	2
	Taxable	(2) <sub>preset</sub>
Subtotal	Amount	\$0.75
Reduction	Taxable	(No) <sub>preset</sub>
Payment	Cash	\$7.00

  
  
  
  
 Reduces the subtotal by the value input here.  
  


```

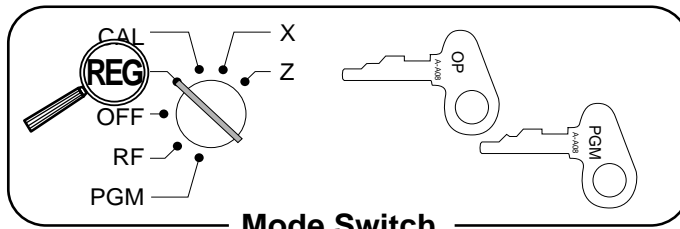
12-06-96
  11-00
   0016

01    • 3.00 I
02    • 4.00 II
      - 0.75
      • 3.00 I TA
      • 0.12 I TX
      • 4.00 II TA
      • 0.20 II TX

      • 6.57 TL
      • 7.00 CA AT
      • 0.43 CG
    
```

## Calculating the merchandise subtotal

Use the operation shown below to calculate the merchandise subtotal, which includes the actual cost of the merchandise only without the add-on tax.



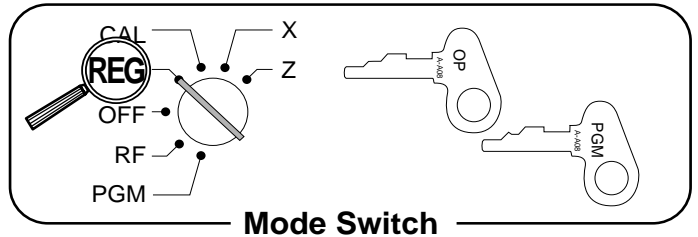
### Calculation merchandise subtotal

	OPERATION	DISPLAY
Item 1	Unit Price    \$1.00	01    1.00
	Quantity       1	02    2.00
	Dept.           1	03    3.00
	Taxable       (1) <sub>preset</sub>	TOTAL n _    6.00
Item 2	Unit Price    \$2.00	Calculates the merchandise subtotal.
	Quantity       1	TOTAL n _    6.26
	Dept.           2	Calculates the subtotal (with add-on tax).
	Taxable       (2) <sub>preset</sub>	CHANGE L _    3.74
Item 3	Unit Price    \$3.00	<b>RECEIPT</b>
	Quantity       1	12-06-96
	Dept.           3	11-10
	Taxable       (1) <sub>preset</sub>	0017
Payment	Cash           \$10.00	01    • 1.00 I
		02    • 2.00 II
		03    • 3.00 I
		• 6.00 ST
		• 4.00 I TA
		• 0.16 I TX
		• 2.00 II TA
		• 0.10 II TX
		• 6.26 TL
		• 10.00 CA AT
		• 3.74 CG

• For a partial tender operation, you should press the key instead of the key.

# Shifting the taxable status of an item

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



Mode Switch

## Calculation merchandise subtotal

### OPERATION

### RECEIPT

Item 1	Unit Price	\$4.00
	Quantity	1
	Dept.	1
	Taxable	(2) <sub>preset</sub>
Item 2	Unit Price	\$2.00
	Quantity	1
	Dept.	2
	Taxable	(No) → 1
Item 3	Unit Price	\$6.00
	Quantity	1
	Dept.	3
	Taxable	(1) → 1, 2
Item 4	Unit Price	\$7.00
	Quantity	1
	Dept.	4
	Taxable	(2) → No
Payment	Cash	\$20.00

4 00 + 1  
RC/T/S1

2 00 - 2  
Pressing  $\text{RC/T/S1}$  changes the tax status from Non-taxable to Taxable 1

6 00 x 3  
Pressing  $\text{PD/T/S2}$  changes the tax status from Taxable 1 to Taxable 1, 2

7 00 ÷ 4  
Pressing  $\text{PD/T/S2}$  changes the tax status from Taxable 2 to Non-taxable

2 0 00 CA/AMT TEND

```

12-06-96
 11-20
 0018

01  • 4.00 II
02  • 2.00 I
03  • 6.00 III
04  • 7.00
      • 8.00 I TA
      • 0.32 I TX
      • 10.00 II TA
      • 0.50 II TX

      • 19.82 TL
      • 20.00 CA AT
      • 0.18 CG
    
```

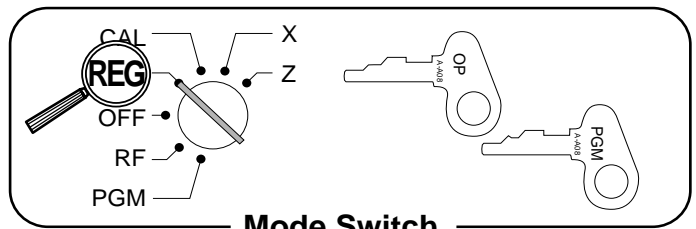
### Important!

- To change the tax status of the next item to be registered, be sure to press  $\text{RC/T/S1}$ ,  $\text{PD/T/S2}$  without inputting any value.
- If the last item registered is programmed as non-taxable, a premium/discount ( $\text{P}$  key) operation on this item is always non-taxable.

In this case, you cannot manually change the tax status to Taxable 1 or 2 by pressing  $\text{RC/T/S1}$ ,  $\text{PD/T/S2}$  keys.

## Registering charge and check payments

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



### Check

#### OPERATION

#### RECEIPT

Item 1	Unit Price	\$10.00
	Quantity	1
	Dept.	1
	Taxable	(1) <sub>preset</sub>
Payment	Check	\$20.00

1 0 00 + 1  
SUB TOTAL  
2 0 00 CHK

```

12-06-96
 11-30
  0019
01  •10•00 I
     •10•00 I TA
     •0•40 I TX

     •10•40 TL
     •20•00 CK
     •9•60 CG
    
```

### Charge

#### OPERATION

#### RECEIPT

Item 1	Unit Price	\$15.00
	Quantity	1
	Dept.	4
	Taxable	(2) <sub>preset</sub>
Reference	Number	123456
Payment	Charge	\$15.75

1 5 00 ÷ 4  
SUB TOTAL  
\*1 1 2 3 4 5 6 #/NS  
CH  
\*1 For Canada, # instead of #/NS.

```

12-06-96
 11-40
  0020
04  •15•00 II
     123456 # Reference No.
     •15•00 II TA
     •0•75 II TX

     •15•75 CH
    
```

### Mixed tender (cash, charge and check)

#### OPERATION

#### RECEIPT

Item 1	Unit Price	\$55.00
	Quantity	1
	Dept.	4
	Taxable	(2) <sub>preset</sub>
Payment	Check	\$30.00
	Cash	\$3.00
	Charge	\$24.75

5 5 00 ÷ 4  
SUB TOTAL  
3 0 00 CHK  
3 00 CA/AMT TEND  
CH

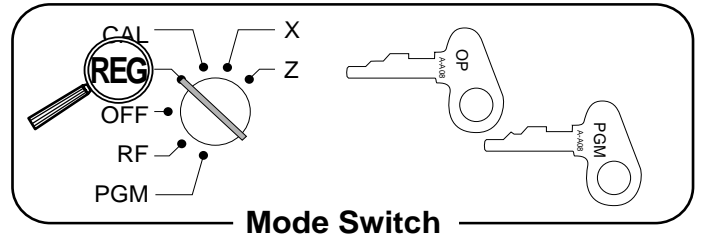
```

12-06-96
 11-50
  0021
04  •55•00 II
     •55•00 II TA
     •2•75 II TX

     •57•75 TL
     •30•00 CK
     •3•00 CA
     •24•75 CH
    
```

# Registering returned goods in the REG mode

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



## OPERATION

## RECEIPT

Item 1	Unit Price	\$2.35
	Quantity	1
	Dept.	1
	Taxable	(1) <sub>preset</sub>
Item 2	Unit Price	\$2.00
	Quantity	1
	Dept.	2
	Taxable	(2) <sub>preset</sub>
Item 3	Unit Price	(\$1.20) <sub>preset</sub>
	Quantity	1
	PLU	1
	Taxable	(2) <sub>preset</sub>
Returned Item 1	Unit Price	\$2.35
	Quantity	1
	Dept.	1
	Taxable	1
Returned Item 3	Unit Price	(\$1.20) <sub>preset</sub>
	Quantity	1
	PLU	1
	Taxable	2
Payment	Cash	\$2.10

**2 3 5 + 1**

**2 00 - 2**

**1** **PLU/S.DEPT**

**RF**

**2 3 5 + 1**

Pressing **RF** specifies that the next item registered is a return.

**RF**

**1** **PLU/S.DEPT**

You have to press **RF** before registering each returned item.

**SUB TOTAL**

**CA/AMT =/TEND**

```

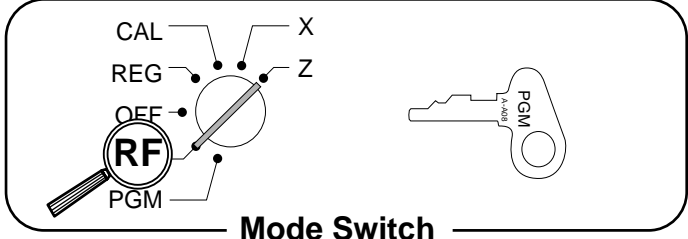
12-06-96
 12-00
 0022

01      • 2.35 I
02      • 2.00 II
001     • 1.20 II
..... RF
01      - 2.35 I
..... RF
001     - 1.20 II
        • 2.00 II TA
        • 0.10 II TX

        • 2.10 CA
    
```

## Registering returned goods in the RF mode

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



### Normal refund transaction

	OPERATION	RECEIPT																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td rowspan="3">Returned Item 1</td><td>Unit Price</td><td>\$1.50</td></tr> <tr><td>Quantity</td><td>2</td></tr> <tr><td>Dept.</td><td>1</td></tr> <tr><td rowspan="2">Taxable</td><td colspan="2">1</td></tr> <tr><td colspan="2"></td></tr> <tr><td rowspan="4">Returned Item 2</td><td>Unit Price</td><td>(\$1.20)<sub>preset</sub></td></tr> <tr><td>Quantity</td><td>6</td></tr> <tr><td>PLU</td><td>2</td></tr> <tr><td>Taxable</td><td>2</td></tr> <tr><td>Payment</td><td>Cash</td><td>\$10.68</td></tr> </table>	Returned Item 1	Unit Price	\$1.50	Quantity	2	Dept.	1	Taxable	1				Returned Item 2	Unit Price	(\$1.20) <sub>preset</sub>	Quantity	6	PLU	2	Taxable	2	Payment	Cash	\$10.68	<p>1 5 0 + 1</p> <p>+ 1</p> <p>6 X FOR / DATE / TIME</p> <p>2 PLU / S.DEPT</p> <p>SUB TOTAL</p> <p>CA / AMT = / TEND</p>	<pre> 12-06-96 12-10 0023 RF  01  • 1.50 I 01  • 1.50 I       6 X       • 1.20 @ 002  • 7.20 II       • 3.00 I TA       • 0.12 I TX       • 7.20 II TA       • 0.36 II TX  • 10.68 CA                     </pre>
Returned Item 1		Unit Price	\$1.50																							
		Quantity	2																							
	Dept.	1																								
Taxable	1																									
Returned Item 2	Unit Price	(\$1.20) <sub>preset</sub>																								
	Quantity	6																								
	PLU	2																								
	Taxable	2																								
Payment	Cash	\$10.68																								

### Reduction of Amounts Paid on Refund

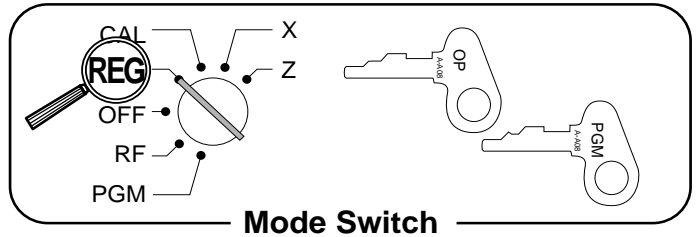
	OPERATION	RECEIPT																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td rowspan="3">Returned Item 1</td><td>Unit Price</td><td>\$4.00</td></tr> <tr><td>Quantity</td><td>1</td></tr> <tr><td>Dept.</td><td>3</td></tr> <tr><td rowspan="2">Taxable</td><td colspan="2">1</td></tr> <tr><td colspan="2"></td></tr> <tr><td>Reduction</td><td>Amount</td><td>\$0.15</td></tr> <tr><td rowspan="4">Returned Item 2</td><td>Unit Price</td><td>(\$1.20)<sub>preset</sub></td></tr> <tr><td>Quantity</td><td>1</td></tr> <tr><td>PLU</td><td>2</td></tr> <tr><td>Taxable</td><td>2</td></tr> <tr><td>Discount</td><td>Rate</td><td>(5%)<sub>preset</sub></td></tr> <tr><td>Payment</td><td>Cash</td><td>\$5.21</td></tr> </table>	Returned Item 1	Unit Price	\$4.00	Quantity	1	Dept.	3	Taxable	1				Reduction	Amount	\$0.15	Returned Item 2	Unit Price	(\$1.20) <sub>preset</sub>	Quantity	1	PLU	2	Taxable	2	Discount	Rate	(5%) <sub>preset</sub>	Payment	Cash	\$5.21	<p>4 00 x 3</p> <p>1 5 -</p> <p>2 PLU / S.DEPT</p> <p>%</p> <p>SUB TOTAL</p> <p>CA / AMT = / TEND</p>	<pre> 12-06-96 12-20 0024 RF  03  • 4.00 I       - 0.15 002  • 1.20 II       5 % -       - 0.06 II       • 4.00 I TA       • 0.16 I TX       • 1.14 II TA       • 0.06 II TX  • 5.21 CA                     </pre>
Returned Item 1		Unit Price	\$4.00																													
		Quantity	1																													
	Dept.	3																														
Taxable	1																															
Reduction	Amount	\$0.15																														
Returned Item 2	Unit Price	(\$1.20) <sub>preset</sub>																														
	Quantity	1																														
	PLU	2																														
	Taxable	2																														
Discount	Rate	(5%) <sub>preset</sub>																														
Payment	Cash	\$5.21																														

**Important!**

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

# Registering money received on account

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



## OPERATION

Received Amount	\$700.00
-----------------	----------

**7 00 00** RC T/S1  
Amount can be up to 8 digits.

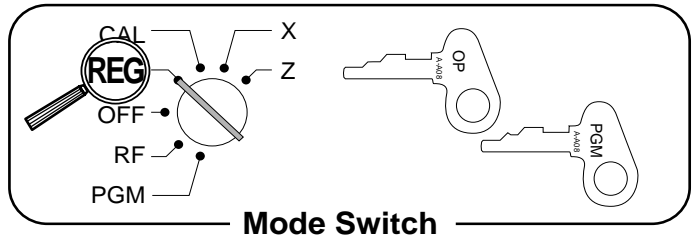
## RECEIPT

```

12-06-96
  12-30
   0025
• 700.00 RC
    
```

# Registering money paid out

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



## OPERATION

Paid Out Amount	\$1.50
-----------------	--------

**1 5 0** PD T/S2  
Amount can be up to 8 digits.

## RECEIPT

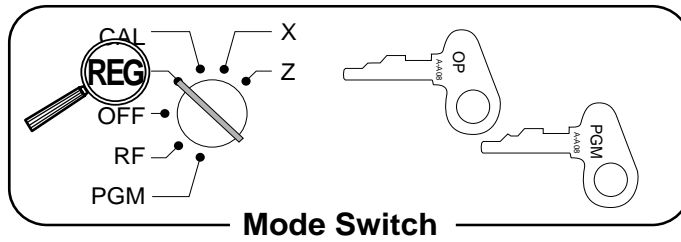
```

12-06-96
  12-40
   0026
• 1.50 PD
    
```

## Making corrections in a registration

There are three techniques you can use to make corrections in a registration.

- To correct an item that you have input but not yet registered.
- To correct the last item you have input and registered.
- To cancel all items in a transaction.



### To correct an item you have input but not yet registered

OPERATION	RECEIPT
<p>2 00 C C IAC</p> <p>1 00 + 1</p> <p>1 2 X/FOR DATE TIME C IAC</p> <p>1 1 X/FOR DATE TIME C IAC</p> <p>2 00 - 2</p> <p>2 C C IAC</p> <p>3 PLU/S.DEPT</p> <p>1 5 PLU/S.DEPT</p> <p>6 00 C C IAC</p> <p>1 5 PLU/S.DEPT</p> <p>Enter Sub-department No. again.</p> <p>1 0 00 PRICE</p> <p>SUB TOTAL</p> <p>1 0 00 C C IAC</p> <p>1 5 00 CA/AMT TEND = /</p> <p>CH</p>	<pre> 12-06-96 12-50 0027  01  • 1.00 I       11 X       • 2.00 @ 02  • 22.00 II 003 • 1.30 I 015 • 10.00 I       • 12.30 I TA       • 0.49 I TX       • 22.00 II TA       • 1.10 II TX        • 35.89 TL       • 15.00 CA AT       • 20.89 CH                     </pre>
<p>Correction of unit price</p> <p>Correction of quantity</p> <p>Correction of PLU No.</p> <p>Correction of Sub-department unit price (See page 61 for registering)</p> <p>Correction of partial tender amount</p>	

To correct an item you have input and registered

OPERATION

RECEIPT

- 1 00 + 1
- 2 00 - 2
- 2
- ERR CORR. CANCEL — Clearance
- 2 PLU/ S.DEPT
- ERR CORR. CANCEL — Correction of PLU
- 5 PLU/ S.DEPT
- 1 5 PLU/ S.DEPT
- 6 00 PRICE
- ERR CORR. CANCEL — Correction of Sub-department
- 1 5 PLU/ S.DEPT
- 1 0 00 PRICE
- 8 X/ FOR DATE TIME
- 4 00 ÷ 4
- ERR CORR. CANCEL — Correction of Quantity
- 6 X/ FOR DATE TIME
- 4 00 ÷ 4
- MD/ ST
- 5 0 %
- ERR CORR. CANCEL — Correction of Discount
- MD/ ST
- 5 %
- RF 2 00 - 2
- ERR CORR. CANCEL — Correction of Refund item
- RF 2 2 0 - 2
- SUB TOTAL
- 3 0 00 CA/ AMT = / TEND
- ERR CORR. CANCEL — Correction of Partial tender
- 1 5 00 CA/ AMT = / TEND
- CH

12-06-96
13-00
0028
01 •1.00 I
02 •2.00 II
02 •2.00 II
-2.00 VD
002 •1.20 II
-1.20 VD
005 •1.50 I
015 •6.00 I
-6.00 VD
015 •10.00 I
8 X
•4.00 @
04 •32.00 II
-32.00 VD
6 X
•4.00 @
04 •24.00 II
•38.50 ST
50 % -
-19.25 III
•19.25 VD
•38.50 ST
5 % -
-1.93 III
..... RF
02 -2.00 II
•2.00 VD
..... RF
02 -2.20 II
•11.87 I TA
•0.47 I TX
•22.50 II TA
•1.13 II TX
•35.97 TL
•30.00 CA
-30.00 VD
•15.00 CA
•20.97 CH

# Basic Operations and Setups

## To cancel all items in a transaction

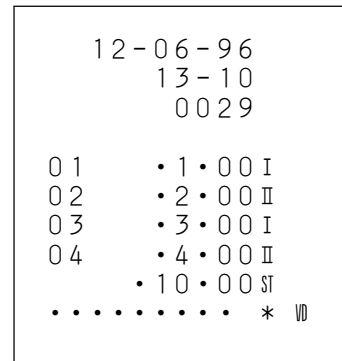
### OPERATION



Pressing key is necessary to cancel the transaction.



### RECEIPT



### Important!

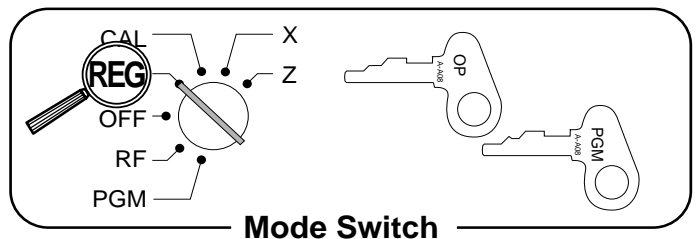
- Note that the number of items included in the transaction to be cancelled is limited (12 ~ 15 items), depending on the complexity of the transaction. If you try to cancel a transaction that exceeds the limit, an error occurs.

In case of occurrence of this error, register these items in the RF mode.

- You can program the cash register that this cancel operation is not allowed.

## No sale registration

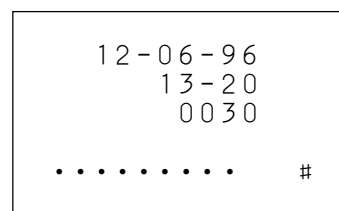
You can use the following procedure to open the drawer without registering a sale. This operation must be performed out of a sale.



### OPERATION



### RECEIPT



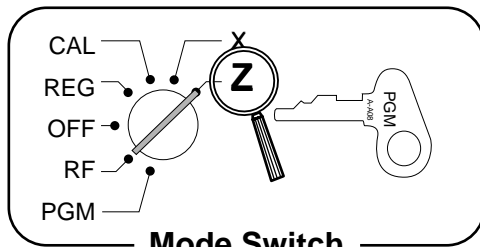
\*1For Canada, press instead of key.

# Printing the Daily sales RESET report

This report shows daily sales totals.

## OPERATION

## REPORT



### Mode Switch



12-06-96	—	Date
13-30	—	Time
0031	—	Consecutive No.
000 0001Z	—	Report code/RESET counter/ RESET symbol
01 15	—	Department No./No. of items* <sup>1</sup>
•339•50	—	
02 19	—	Department amount* <sup>1</sup>
•62•70	—	
03 31	—	Non-link department No. of items
•139•10	—	
04 23	—	Non-link department amount
•94•90	—	
00 253	—	Gross No. of items
•1146•90 TL	—	Gross sales
8 No	—	Subtraction count
•3•00 -	—	Subtraction amount
10 No	—	Premium/Discount count
•4•62% -	—	Premium/Discount amount

•732•56 I	TA	—	Taxable amount 1* <sup>2</sup>
•56•80 I	TX	—	Tax amount 1* <sup>2</sup>
•409•72 II	TA	—	Taxable amount 2* <sup>2</sup>
•21•55 II	TX	—	Tax amount 2* <sup>2</sup>
•272•50 III	TA	—	Taxable amount 3 (Canada only)* <sup>2</sup>
•21•55 III	TX	—	Tax amount 3 (Canada only)* <sup>2</sup>
100 No	—	—	No. of customers
•1217•63 NT	—	—	Net amount
81 No	—	—	Cash sales count
•836•86 CA	—	—	Cash sales amount
10 No	—	—	Charge sales count
•197•17 CH	—	—	Charge sales amount
9 No	—	—	Check sales count
•183•60 CK	—	—	Check sales amount
2 No	—	—	Received on Account count
•78•00 RC	—	—	Received on Account amount
1 No	—	—	Paid out count
•6•80 PD	—	—	Paid out amount
10 No	—	—	Error correction count
•12•76 VD	—	—	Cancellation count
2 No	—	—	Refund key count* <sup>3</sup>
•108•52 *	VD	—	Refund mode operation count* <sup>3</sup>
7 No	—	—	Refund mode operation amount* <sup>3</sup>
•27•79 RF	—	—	Refund mode operation amount* <sup>3</sup>
2 No	—	—	No sale count
•3•74 *	RF	—	No sale count
5 #	—	—	No sale count
•908•06 CA	#	—	Cash in drawer amount
•197•17 CH	#	—	Charge in drawer amount
•183•60 CK	—	—	Check in drawer amount
•000000	—	—	Non-resettable
001217•63	—	—	grand-sales total

\*<sup>1</sup> Zero totaled departments (the amount and item numbers are both zero) are not printed.

\*<sup>2</sup> Taxable amount and tax amount are printed only the corresponding tax table is programmed.

\*<sup>3</sup> These items can be skipped by programming.

# Convenient Operations and Setups

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

## Clerk control function

### Post-finalization receipt format

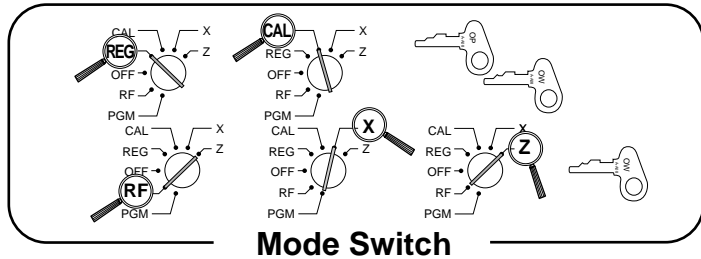
### General Printing control (receipt/journal/report)

### Compulsory

### Machine features

### About the clerk control function

To keep track of the registrations performed by different clerks, specify the clerk control function. In case of selecting the clerk control function, signing on operation is necessary before registering, programming or issuing reports.



### Clerk sign on

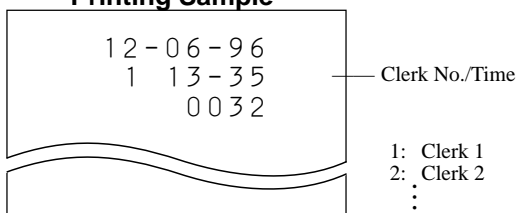
#### OPERATION

- Signing clerk 1 on:     **1**    ➔    OPEN/CLK #
- Signing clerk 2 on:     **2**    ➔    OPEN/CLK #
- ⋮
- Signing clerk 10 on:   **1 0** ➔    OPEN/CLK #

### Important!

- Once you select the clerk control function, the error code "E08" appears on the display whenever you try to perform a registration, a READ/RESET operation without signing on.
- You can choose either the clerk key function or the open key function.
- The signed on clerk is also identified on the receipt/journal.

#### Printing Sample



### Clerk sign off

#### OPERATION

- Signing clerk off:     **0**    ➔    OPEN/CLK #

- The current clerk is also signed off whenever you set the Mode Switch to OFF position.

## About post-finalization receipt

You can issue a receipt even if in no receipt mode.

The post-finalization receipt lets you issue a receipt after finalization of the transaction.

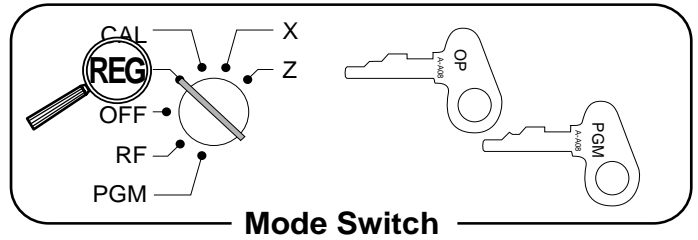
Note that all of the following conditions must be satisfied.

- The option "print receipts" is selected.
- The receipt issuance status must be OFF.
- The transaction must be finalized in the REG or RF mode using the  $\frac{CA}{AMT}$ / $\frac{=}{TEND}$ , CH or CHK key.

### Post-finalization receipt Example

You can program the cash register to print the transaction total only (below Total format) or full details (below Detailed format) on the post-finalization receipt.

Note that if the transaction contains more than 26 lines (including receipt header), the cash register prints in a Total format regardless of your programming.



#### OPERATION

#### RECEIPT

Item 1	Unit Price	\$10.00
	Quantity	1
	Dept.	1
	Taxable	1
Item 2	Unit Price	\$20.00
	Quantity	1
	Dept.	2
	Taxable	2
Payment	Cash	\$31.40

1 0 00 + 1  
 2 0 00 - 2  
 SUB TOTAL  
 4 0 00  $\frac{CA}{AMT}$ / $\frac{=}{TEND}$   
 POST RECEIPT

Receipt is not issued

Post-finalization receipt is issued.

If "Automatic issue" is selected, no need to press  $\frac{POST}{RECEIPT}$  key.

#### Total format

```
12-06-96
 1 13-40
    0033
• 31 • 40 CA
```

#### Detailed format

```
12-06-96
 1 13-45
    0034
01 • 10 • 00 I
02 • 20 • 00 II
    • 10 • 00 I TA
    • 0 • 40 I TX
    • 20 • 00 II TA
    • 1 • 00 II TX
• 31 • 40 CA
```

### Important!


- You can issue only one post-finalization receipt per transaction.

# Convenient Operations and Setups

## Programming general printing control

### About the contents of general printing control

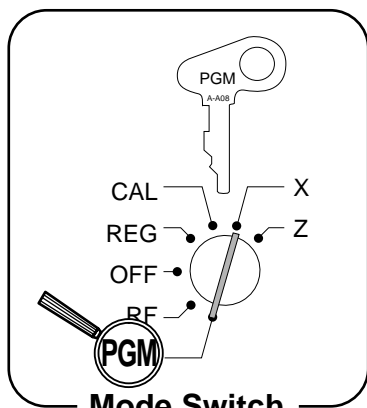
The following points are the contents of general printing control.

- Print/Not print a subtotal line on receipt/journal whenever the  key is pressed.
- Feed/Non feed receipt/journal one line before finalization.
- Print/Skip the date on journal.
- Print/Skip item lines on journal. (JOURNAL SKIP)
- Print/Skip taxable amount subtotal of each transaction.
- Print/Skip taxable status symbols on receipt/journal.
- Print/Skip item counter (No. of item sold) line.
- Print/Skip the current time on receipt/journal.
- Print/Skip the consecutive number on receipt/journal in REG/RF modes.
- Print receipt/Print journal (If use 2-ply paper, select "Print receipt".)
- Issue post receipt by Finalize key (automatic issue)/by Post receipt key (manual issue).
- Detail format/Total format in the post receipt.

### Programming procedure

default

Print/Non print a subtotal line whenever the key is pressed.	a	Non print = 0 Print = 1	<input type="checkbox"/> (a+b+c)
Feed/Non feed one line before finalization.	b	Feed = 0 Non feed = 2	
Print/Skip the date. (effective, if "Print journal" is selected)	c	Skip = 0 Print = 4	
Print/Skip item lines. (effective, if "Print journal" is selected)	d	Print = 0 Skip = 1	<input type="checkbox"/> (d+e+f)
Print/Skip taxable amount subtotal of each transaction.	e	Print = 0 Skip = 2	
Print/Skip taxable status symbols.	f	Print = 0 Skip = 4	
Print/Skip item counter line.	g	Skip = 0 Print = 1	<input type="checkbox"/> (g+h+i)
Print/Skip the current time.	h	Print = 0 Skip = 2	
Print/Skip the consecutive number.	i	Print = 0 Skip = 4	
Print receipt/Print journal	j	Receipt = 0 Journal = 1	<input type="checkbox"/> (j+k+l)
Issue post-receipt by Finalize key (automatic issue) /Post receipt key (manual issue)	k	Manual = 0 Automatic = 2	
Detail format/Total format in the post-receipt.	l	Detail = 0 Total = 4	



Mode Switch



# Programming compulsory and clerk control function

## About compulsory, clerk control function...

The following procedure lets you program a number of functions.

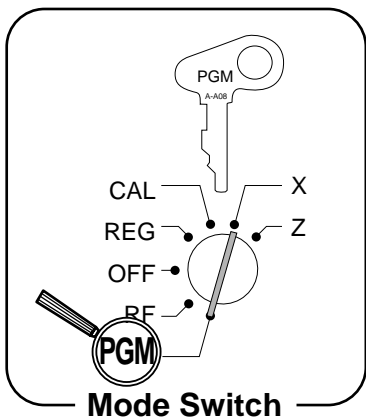
- Use **OPEN/CLK#** key as "Clerk" key/"Open" key.\*<sup>1</sup>
- Assign "00"key/Assign "000" key.
- Reset/Not reset (to 0001) the consecutive number when the Daily RESET report is issued.
- Required/Not required to input the cash in drawer amount before the daily READ/RESET report. (MONEY DECLARATION)
- Prohibit/Allow the cancel operation.
- Force **SUB/TOTAL** key operation before finalization.
- Clear the key buffer when the transaction is terminated.
- Display Hour/Minute/Second or Hour/Minute on time display.

\*<sup>1</sup> Effective only after all RESET reports are issued.

### Programming procedure

default

Use "Clerk"function/Use "Open" function	a	Open = 0 Clerk = 1	<input type="checkbox"/>
Assign "00" key/Assign "000" key	b	"00" = 0 "000" = 4	<input type="checkbox"/> (a+b)
Reset/Not reset the consecutive number	c	Reset = 0 Non reset = 2	<input type="checkbox"/>
Prohibit/Allow the cancel operation.	d	Allow = 0 Prohibit = 4	<input type="checkbox"/> (c+d)
Force <b>SUB/TOTAL</b> key operation before a finalization	e	No = 0 Compulsory = 2	<input type="checkbox"/>
Required/Not required to input the cash in drawer amount before the Daily report	f	Not required = 0 Required = 4	<input type="checkbox"/> (e+f)
Clear the key buffer when the transaction is terminated	g	Not clear = 0 Clear = 1	<input type="checkbox"/>
Display "seconds" during time display.	h	Suppress = 0 Display = 4	<input type="checkbox"/> (g+h)



# Convenient Operations and Setups

## Programming READ/RESET report printing control

### About READ/RESET printing control

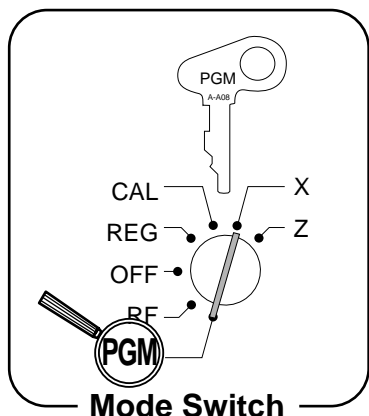
The following procedure lets you program a number of functions.

- Print/Skip the RF mode and RF key totals and counters on the daily and periodic report.
- Print/Skip the grand total on the daily reset report.

### Programming READ/RESET printing control

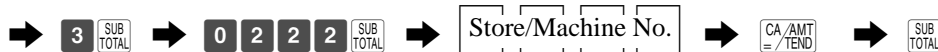
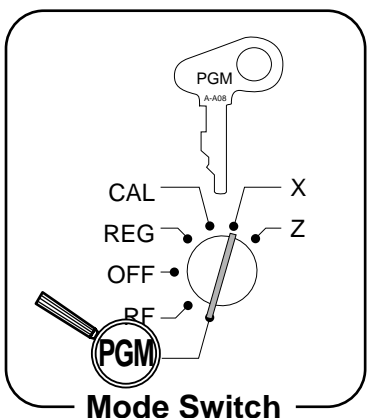
default

Print/Skip RF mode and RF key totals on the daily and periodic report.	a	Print = 0 Skip = 1	<input type="checkbox"/> (a+b)
Print/Skip the grand total on the daily reset report.	b	Print = 0 Skip = 2	

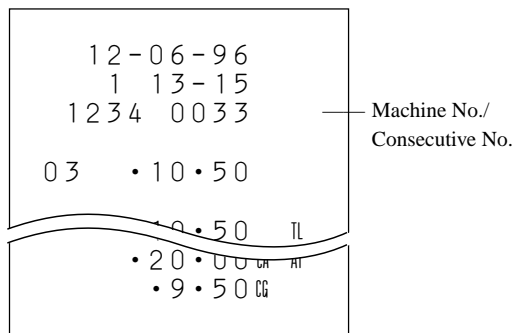


## Setting a store/machine number

You can set a 4-digit machine number to identify your machine, the machine number is printed on receipts/journal for each transaction.



Example: 0 0 0 1 to 9 9 9 9, 0 0 0 0 means no machine number.

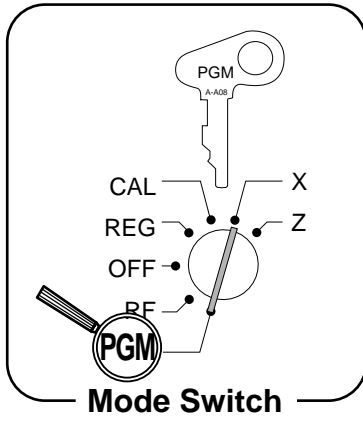


# Setting/Editing the store telephone number

You can program 4 lines of maximum 14 digits of unique number of your store, such as telephone number, tax payer code... etc.

If you want to print only the telephone number, just refer to page 21 of this manual.

The following procedure shows you how to set or edit your numbers including spaces and hyphens.



**Mode Switch**

1st line: → 3 [SUB TOTAL] → 0 1 3 2 [SUB TOTAL] →

2nd line: → 3 [SUB TOTAL] → 0 2 3 2 [SUB TOTAL] →

3rd line: → 3 [SUB TOTAL] → 0 3 3 2 [SUB TOTAL] →

4th line: → 3 [SUB TOTAL] → 0 4 3 2 [SUB TOTAL] →

Enter the number within 14 digits, including spaces and hyphens.

- numerics: 0, 1 ~ 9, 00
- hyphen: -
- space: [POST RECEIPT]

→ CA / AMT = / TEND → [SUB TOTAL]

**Example:** To print

1 2 3 4 - 5 6 7 8	→ Enter as	1 2 3 4 - 5 6 7 8
12 3 4 - 5 6 - 9 6		
To print		
1 2 3	→ Enter as	1 2 3 [POST RECEIPT] 4 5 6 - 7 8 [POST RECEIPT] 9
4 5 6 - 7 8 9		
12 - 06 - 96		
To print		
1 2 3 4 5 6 7 8 9	→ Enter as	1 2 3 4 5 6 7 8 9 0 1 2 3 4
0 1 2 3 4		
12 - 06 - 96		

Note: Entries exceed 9 digits are printed in 2 lines.

# High digit limitation for departments

Locking out and releasing high digit limitation

Item	Unit Price	\$10.50
	Quantity	1
	Dept.	3
	Taxable	(1) <sub>preset</sub>
	Max. digit	(3) <sub>preset</sub>
Payment	Cash	\$20.00

## OPERATION

1 0 5 0 x 3

**ERROR ALARM**  
(Exceeding max. digits)

C  
C/AC

OPEN/  
CLK #

Cancels limitations  
for next entry

1 0 5 0 x 3

SUB  
TOTAL

2 0 00 CA / AMT  
= / TEND

## RECEIPT

12-06-96	
13-50	
1234 0035	
03	• 10.50 I
	• 10.50 I TA
	• 0.42 I TX
	• 10.92 TL
	• 20.00 CA AT
	• 9.08 CG

## Single-Item-Sales for departments and PLUs

### About the single-item-sales items

You can issue a receipt by simply touching the single-item-sales department or PLU. The following examples show how you register single-item-sale departments. Registration of single-item-sale PLUs is identical.

#### Example 1

Item	Unit Price	\$2.00
	Quantity	1
	Dept.	4
	Taxable	2
	Sales Status	Single-Item

#### OPERATION

2 00 ÷ 4

#### RECEIPT

```

12-06-96
  1 14-00
1234 0036

04      • 2.00 II
          • 2.00 II TA
          • 0.10 II TX

          • 2.10 CA
    
```

#### Example 2

Item	Unit Price	(\$3.00) <sub>preset</sub>
	Quantity	3
	Dept.	4
	Taxable	2
	Sales Status	Single-Item

#### OPERATION

3 X/DATE  
TIME  
4

#### RECEIPT

```

12-06-96
  1 14-10
1234 0037

          3 X
          • 3.00 @
04      • 9.00 II
          • 9.00 II TA
          • 0.45 II TX

          • 9.45 CA
    
```

#### Example 3

Item 1	Unit Price	\$2.00
	Quantity	1
	Dept.	3
	Taxable	2
	Sales Status	Normal
Item 2	Unit Price	\$5.00
	Quantity	1
	Dept.	4
	Taxable	2
	Sales Status	Single-Item
Tender	Cash	\$7.35

#### OPERATION

2 00 × 3  
5 00 ÷ 4

Single-Item status is not effective during transaction.

CA/AMT  
= /TEND

It is necessary to press the finalize key.

#### RECEIPT

```

12-06-96
  1 14-20
1234 0038

03      • 2.00 II
04      • 5.00 II
          • 7.00 II TA
          • 0.35 II TX

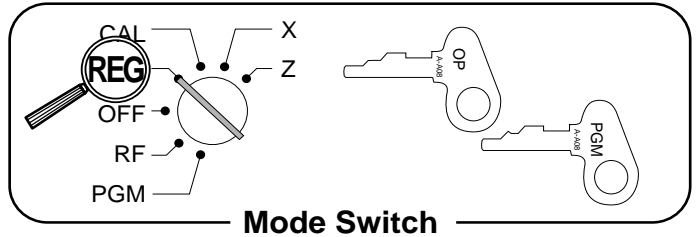
          • 7.35 CA
    
```

Note: The single-item-sales department or PLU should be registered at the top of the transaction, otherwise the transaction is not finalized. It is necessary to press **CA/AMT = /TEND**, **CH** or **CHK** key.

# Registering Sub-departments

## Registering Sub-departments

The following examples show how you can use Sub-departments in various types of registrations. Registering by PLU, see the "Basic Operations and setups" on page 36.



Mode Switch

### Sub-department Single-Item-Sale

#### OPERATION

Item	Unit Price	\$6.00
	Quantity	1
	Sub-Dept.	15
	Taxable	(1) <sub>preset</sub>
Payment	Cash	\$10.00

**1 5**   
 PLU (Sub-department) code  
**6 00**   
 Unit price  
  
**1 0 00**

#### RECEIPT

```

12-06-96
 1 14-30
1234 0039

015  • 6.00 I
      • 6.00 I TA
      • 0.24 I TX

      • 6.24 TL
      • 10.00 CA AT
      • 3.76 CG
    
```

### Sub-department Repeat

#### OPERATION

Item 1	Unit Price	(\$3.00) <sub>preset</sub>
	Quantity	3
	Sub-Dept.	15
	Taxable	(1) <sub>preset</sub>
Item 2	Unit Price	\$2.00
	Quantity	2
	Sub-Dept.	15
	Taxable	(1) <sub>preset</sub>
Payment	Cash	\$20.00

**1 5**   
  
 Hit  without a unit price recalls preset price.  
  
  
**1 5**   
**2 00**   
  
  
**2 0 00**

#### RECEIPT

```

12-06-96
 1 14-40
1234 0040

015  • 3.00 I
015  • 3.00 I
015  • 3.00 I
015  • 2.00 I
015  • 2.00 I
      • 13.00 I TA
      • 0.52 I TX

      • 13.52 TL
      • 20.00 CA AT
      • 6.48 CG
    
```

# Convenient Operations and Setups

## Sub-department Multiplication

	Unit Price	\$6.00
Item	Quantity	1.25
	Sub-Dept.	15
	Taxable	(1) <sub>preset</sub>
Payment	Cash	\$10.00

### OPERATION

**1** **·** **2** **5**  FOR DATE TIME  
 Quantity  
 (4-digit integer/2-digit decimal)  
**1** **5**  PLU/ S.DEPT  
**6** **00**  PRICE  
 SUB TOTAL  
**1** **0** **00**  CA/AMT = /TEND

### RECEIPT

```

12-06-96
  1 14-50
1234 0041

    1.25 X
    .6.00 @
015  .7.50 I
      .7.50 I TA
      .0.30 I TX

      .7.80 TL
      .10.00 CA AT
      .2.20 CG
  
```

## Sub-department Spilt Sales of Packaged Item

	Unit Price	12 for \$30.00
Item	Quantity	7
	Sub-Dept.	37
	Taxable	(1) <sub>preset</sub>
Payment	Cash	\$20.00

### OPERATION

**7**  FOR DATE TIME  
 Quantity being purchased  
 (4-digit integer/2-digit decimal)  
**1** **2**  FOR DATE TIME  
 Package quantity  
 (4-digit integer/2-digit decimal)  
**3** **7**  PLU/ S.DEPT  
**3** **0** **00**  PRICE  
 SUB TOTAL  
**2** **0** **00**  CA/AMT = /TEND

### RECEIPT

```

12-06-96
  1 15-00
1234 0042

      7 X
      12
037  .30.00 @
      .17.50 I
      .17.50 I TA
      .0.70 I TX

      .18.20 TL
      .20.00 CA AT
      .1.80 CG
  
```

To program the tax calculation status and maximum entering digits for each department.

**Tax calculation status**

This digit defines which tax table should be used for automatic tax calculation. See page 15 for information on setting up the tax tables.

U.S.A.

- Tax Table 1      ⇨    **1**
- Tax Table 2      ⇨    **2**
- Tax Table 1 and 2 ⇨    **3**
- No tax calculation ⇨    **0**

Canada

- Tax Table 1      ⇨    **1**
- Tax Table 1 and 2 ⇨    **2**
- Tax Table 1 and 3 ⇨    **3**
- No tax calculation ⇨    **0**

**Maximum entering digits**

This specification defines how many digits can be used for manual input of a unit price on the keyboard.

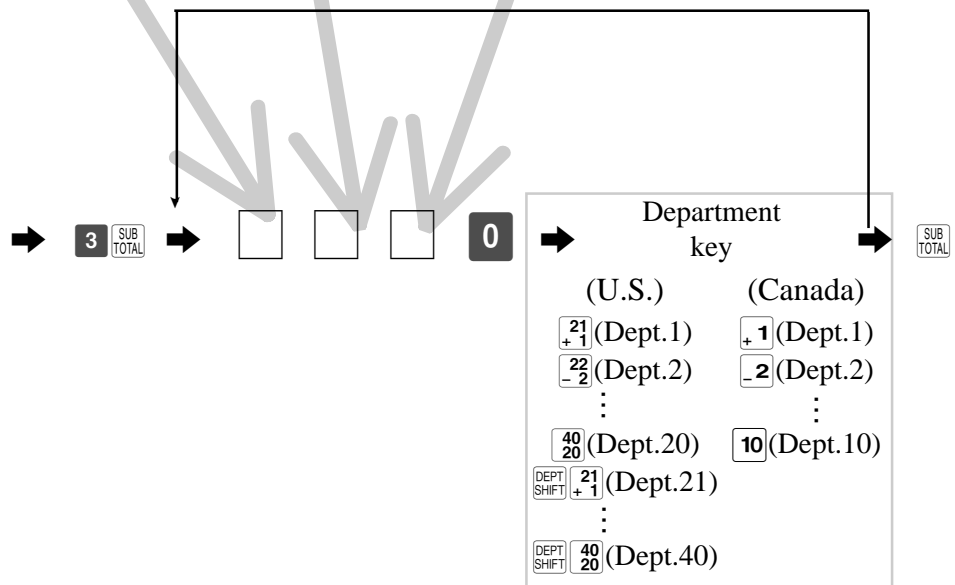
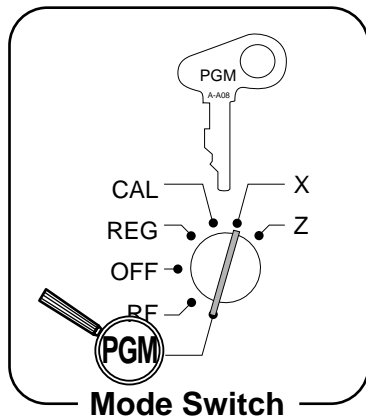
- No limit      ⇨    **0**
- 1 digit        ⇨    **1**
- 2 digits       ⇨    **2**
- ⋮
- 5 digits       ⇨    **5**
- 6 digits       ⇨    **6**
- Manual input not allowed ⇨ **9**

Selecting **9** means that you can perform department registration using their preset unit price only.

**Single-Item status/Negative department status**

This digit defines single-item status and negative department.

- Normal dept.    ⇨    **0**
- Single item dept. ⇨    **1**
- Negative dept.   ⇨    **2**
- Single item/  
Negative dept.   ⇨    **3**



# Convenient Operations and Setups

To program PLU links to departments, tax calculation status and PLU/Sub-department selections

## Single-Item status/Negative PLU status/PLU, Sub-dept. selection

This digit defines single-item status and negative department.

- Normal PLU ⇒ **0**
- Single item PLU ⇒ **1**
- Negative PLU ⇒ **2**
- Single item/  
Negative PLU ⇒ **3**
- Normal Sub-dept. ⇒ **4**
- Single item Sub-dept. ⇒ **5**
- Negative Sub-dept. ⇒ **6**
- Single item/  
Negative Sub-dept. ⇒ **7**

Note:

- PLU: Register only its preset price
- Sub-department: Register its preset price and manually entered price.

## Tax calculation status

This digit defines which tax table should be used for automatic tax calculation. See page 15 for information on setting up the tax tables.

- U.S.
- Tax Table 1 ⇒ **1**
  - Tax Table 2 ⇒ **2**
  - Tax Table 1 and 2 ⇒ **3**
  - No tax calculation ⇒ **0**
- Canada
- Tax Table 1 ⇒ **1**
  - Tax Table 1 and 2 ⇒ **2**
  - Tax Table 1 and 3 ⇒ **3**
  - No tax calculation ⇒ **0**

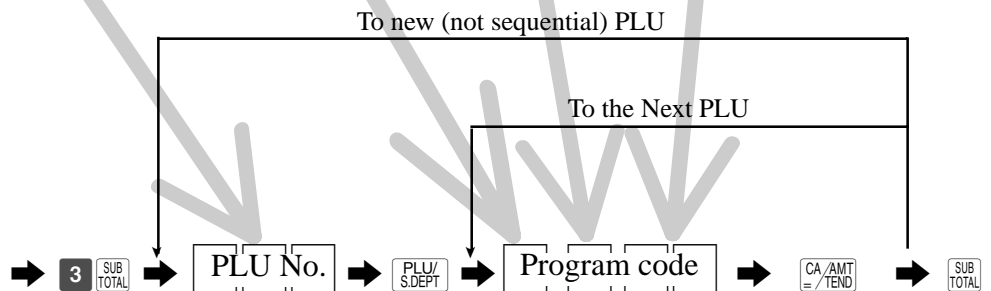
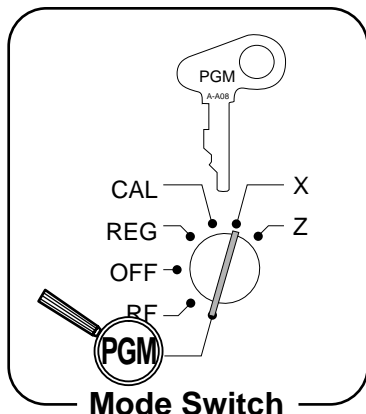
## Linked department

This specification links the PLU to a department

- U.S.
- Department 1 ⇒ **0 1**
  - ⋮
  - Department 40 ⇒ **4 0**
  - No link ⇒ **0 0**
- Canada
- Department 1 ⇒ **0 1**
  - ⋮
  - Department 10 ⇒ **1 0**
  - No link ⇒ **0 0**

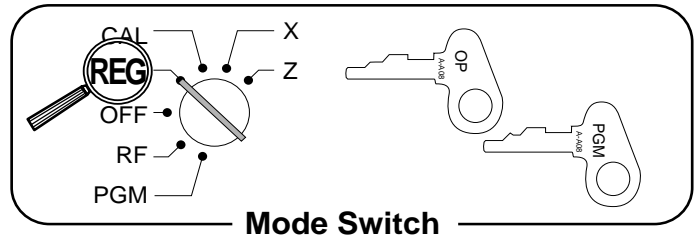
PLU No.

- 1** to **4 0 0** (U.S.)
- 1** to **3 0 0** (Canada)



# Registering discounts and premiums

The following example shows how you can use the [%] key as premium in various types of registration. Note: Before registering premium, you should define the [%] key as premium key. See the next page.



## Discount for Items and subtotals

Refer to "Preparing and using discounts" in "Basic Operations and Setups" on page 40.

## Premium for Items and subtotals

### OPERATION

### RECEIPT

Item 1	Unit Price	(\$10.00) <sub>preset</sub>
	Quantity	1
	Dept.	4
	Taxable	(2) <sub>preset</sub>
Premium	Rate	7%
Item 2	Unit Price	(\$5.00) <sub>preset</sub>
	Quantity	1
	PLU	32
	Taxable	(2) <sub>preset</sub>
Subtotal	Rate	(5%) <sub>preset</sub>
premium	Taxable	(1 and 2) <sub>preset</sub>
Payment	Cash	\$20.00

Applies the input value as a premium rate (7%).

For this operation, hit this key instead of .

Applies the preset premium rate (5%) to the subtotal.

12-06-96	
1 15-10	
1234 0043	
04	• 10 • 00 II
	7 %
	• 0 • 70 II
032	• 5 • 00 II
	• 15 • 70 ST
	5 %
	• 0 • 79 III
	• 16 • 49 II TA
	• 0 • 82 II TX
	• 17 • 31 TL
	• 20 • 00 CA AT
	• 2 • 69 CG

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

## Taxable status of the [%] key

- Whenever you perform a discount/premium operation on the last item registered, the tax calculation for discount/premium amount is performed in accordance with the tax status programmed for that item.
- Whenever you perform a discount/premium operation on a subtotal amount, the tax calculation for the subtotal amount is performed in accordance with the tax status programmed for the [%] key.

# Convenient Operations and Setups

## Programming discounts and premiums

You can use the [%] key to register either discounts (percentage decreases) or premium (percentage increases). The following procedures let you select the operation you want for [%] key. They also let you program a preset rate, the tax calculation method and the tax rounding method.

### To program discount or premium rate.

Refer to "Preparing and using discounts" in "Basic Operations and Setups" on page 40.

### To program tax calculation status, tax rounding method and the key attribution.

#### Tax calculation status

This specification defines where the result of the percent calculation on a subtotal should be reflected (added to or subtracted from) for tax purposes.

Note that this specification is for calculations with subtotal only, and is not applied for calculations involving individual items.

#### U.S.

- Tax Table 1      ⇨ 1
- Tax Table 2      ⇨ 2
- Tax Table 1 and 2   ⇨ 3
- No tax calculation   ⇨ 0

#### Canada

- Tax Table 1      ⇨ 1
- Tax Table 1 and 2   ⇨ 2
- Tax Table 1 and 3   ⇨ 3
- All taxable        ⇨ 4
- No tax calculation   ⇨ 0

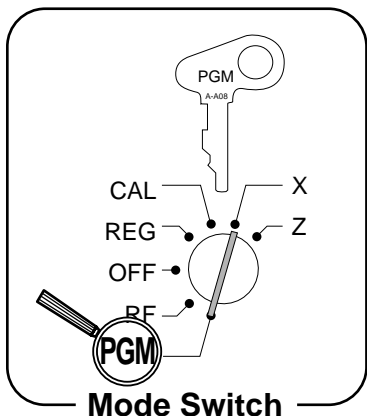
#### Tax rounding method

This specification defines the method use to round the result of a percentage calculation.

- Round off      ⇨ 0
- Cut off        ⇨ 1
- Round up      ⇨ 2

#### Key attribution

- Use as discount key (%-) ⇨ 0
- Use as premium key (%+) ⇨ 1



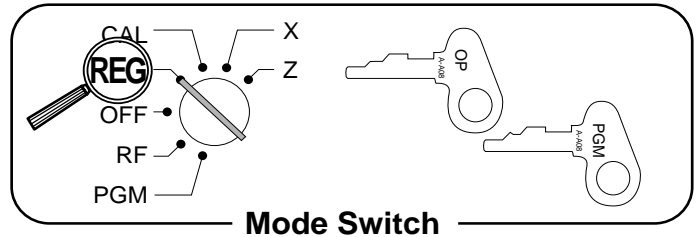
# Registering manually entered tax amounts

You can program the cash register to change the function of the [%] key to that of a [M-TAX] (Manual Tax) key. The [M-TAX] key is used to register manually entered tax amounts.

**Important!**

If you program the cash register to perform registrations with manually entered tax amounts, the [M-TAX] key replaces the [%] key, so discount/premium registration to be impossible.

## Registering manual tax



### Example

#### OPERATION

#### RECEIPT

Item 1	Unit Price	\$10.00
	Quantity	1
	Dept.	1
	Taxable	No
	M-TAX	Normal
Item 2	Unit Price	\$20.00
	Quantity	1
	Dept.	2
	Taxable	2
Tender	Cash	\$32.00

**1 0 00 + 1**  
**5 0 M-TAX**  
 [%] key is assigned to [M-TAX] key.  
**2 0 00 - 2**  
**3 2 00 CA/AMT = /TEND**

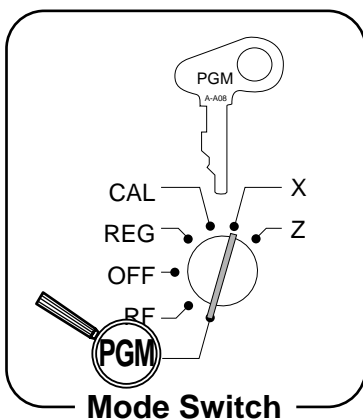
```

12-06-96
 1 15-20
1234 0044

01 • 10•00
    • 0•50 TX
02 • 20•00 II
    • 20•00 II TA
    • 1•00 II TX

• 31•50 TL
• 32•00 CA AT
• 0•50 CG
    
```

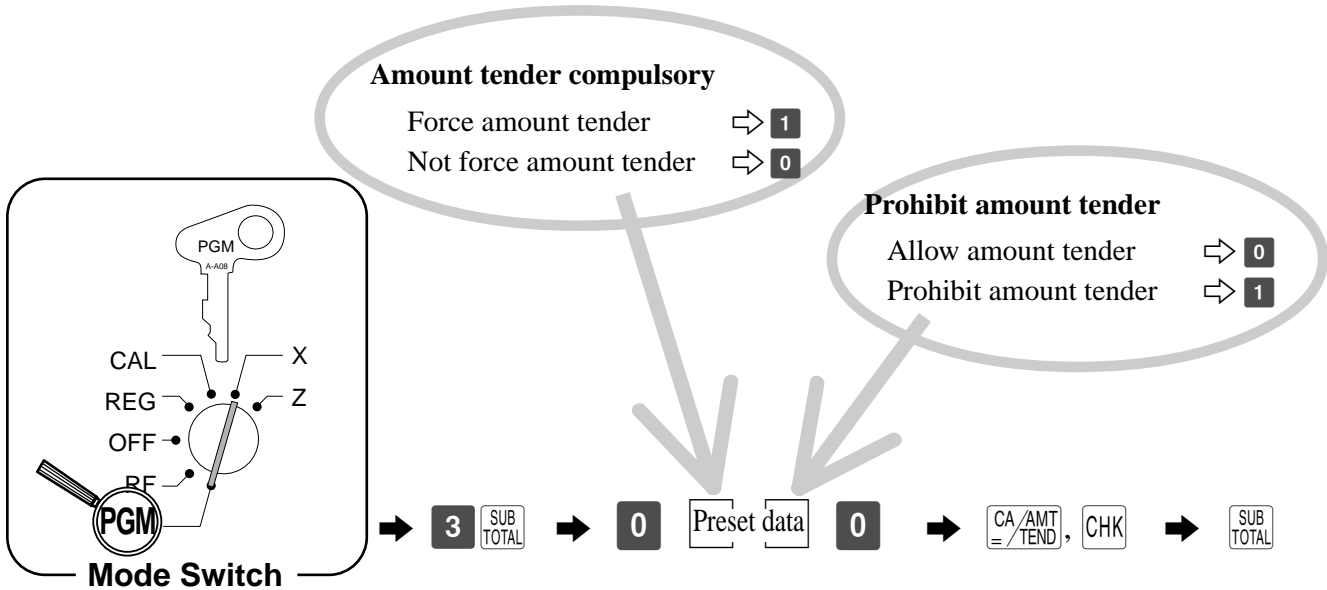
## Programming for manually input tax registration



**3** [SUB TOTAL] → **0 0 4 0** Fixed value → [%] → [SUB TOTAL]

## Other programmable options

### Programming amount tender compulsory and prohibit amount tender



### Programming credit balance and tax status to subtraction key

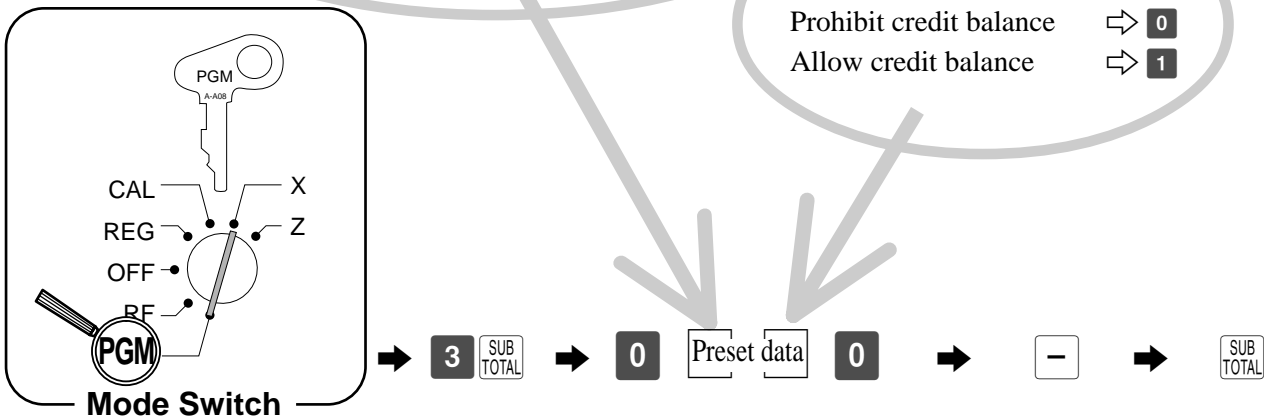
#### Tax calculation status

This specification defines where the result of the subtraction should be reflected (subtracted from) for tax purposes.

U.S.		Canada	
Tax Table 1	⇨ 1	Tax Table 1	⇨ 1
Tax Table 2	⇨ 2	Tax Table 1 and 2	⇨ 2
Tax Table 1 and 2	⇨ 3	Tax Table 1 and 3	⇨ 3
No tax calculation	⇨ 0	All taxable	⇨ 4
		No tax calculation	⇨ 0

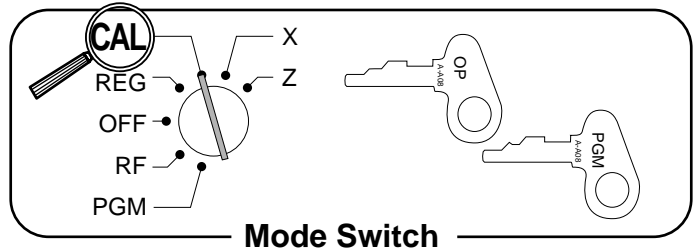
#### Credit balance

- Prohibit credit balance ⇨ 0
- Allow credit balance ⇨ 1



# Calculator functions

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



## Example 1 (Calculation examples)

	OPERATION	DISPLAY
Clear		
5+3-2=		
(23-56)x78=		
(4x3-6)/3.5+8=		
12 % on 1500		

## Example 2 (Memory recall)

	OPERATION	DISPLAY/RECEIPT
Item 1	Unit Price	\$10.00
	Quantity	1
	Dept.	1
	Taxable	(1) <sub>preset</sub>
Item 2	Unit Price	\$20.00
	Quantity	1
	Dept.	2
	Taxable	(1) <sub>preset</sub>
Payment by 3 persons		
Cash	\$10.40 <sub>each</sub>	
	    Memory recall: Recalls subtotal amount	 
	  Divide the subtotal by 3 persons.	
	  Memory recall: Recalls the result amount	

# Convenient Operations and Setups

## Note:

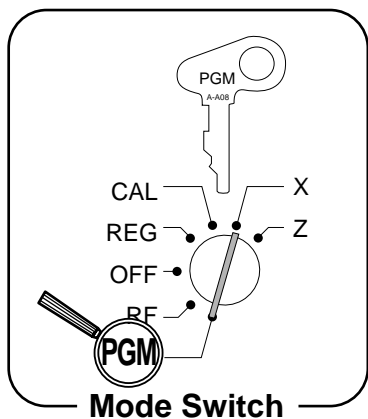
- Pressing  $\text{PLU/S.DEPT}$  key in the CAL mode recalls
  - Current subtotal (During registration)
  - The last amount (Registration has been completed)
- Pressing  $\text{PLU/S.DEPT}$  key in the REG mode recalls  
The current result by pressing  $\text{CA/AMT =/TEND}$  key at the CAL mode.

## Programming calculator mode control

The following procedure lets you program a number of functions in CAL mode.

- Open/Not open the cash drawer when the "Equal" key ( $\text{CA/AMT =/TEND}$  key on the keyboard) is pressed.
- Open/Not open the cash drawer when the "Drawer open" key ( $\text{\# / NS}$  or  $\text{NS}$  key on the keyboard) is pressed.
- Print/Skip the "Equal" key total/count on the daily READ/RESET report.

		default	
Open/Not open drawer when the $\text{CA/AMT =/TEND}$ (equal) key is pressed in CAL mode.	a	Not open = 0 Open = 1	<div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> (a+b+c)
Open/Not open drawer when the $\text{\# / NS}$ / $\text{NS}$ (drawer open) key is pressed in CAL mode.	b	Not open = 0 Open = 2	
Print/Skip the $\text{CA/AMT =/TEND}$ (equal) key total and count on the daily report.	c	Print = 0 Skip = 4	



# Printing READ/RESET reports

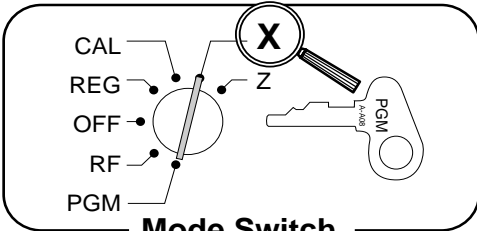
- **READ report**  
You can print READ reports at any time during the business day without affecting the data stored in the cash register's memory.
- **RESET report**  
You should print RESET reports at the end of the business day.

## Important!

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

## To print the individual department READ report

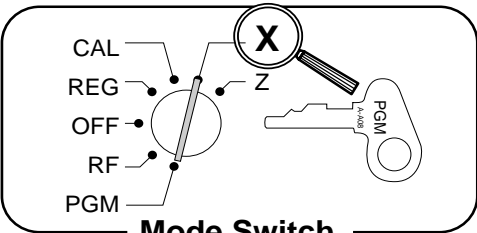
This report shows sales for specific departments.

OPERATION	REPORT																										
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">  <p style="text-align: center; margin-top: 5px;"><b>Mode Switch</b></p> </div> <p style="text-align: center; margin-bottom: 5px;">↓</p> <p style="text-align: center;">Specifying a department</p> <p style="text-align: center;"> <span style="border: 1px solid black; padding: 2px;">+ 1</span> ... <span style="border: 1px solid black; padding: 2px;">10</span> (Canada)  <span style="border: 1px solid black; padding: 2px;">+ 1</span> ... <span style="border: 1px solid black; padding: 2px;">40</span> <span style="border: 1px solid black; padding: 2px;">20</span>, <span style="border: 1px solid black; padding: 2px;">DEPT SHIFT</span> <span style="border: 1px solid black; padding: 2px;">+ 1</span> ... <span style="border: 1px solid black; padding: 2px;">DEPT SHIFT</span> <span style="border: 1px solid black; padding: 2px;">40</span> <span style="border: 1px solid black; padding: 2px;">20</span> (U.S.)         </p> <p style="text-align: center; margin-bottom: 5px;">If you want to read any other department, continue specifying department keys ...</p> <p style="text-align: center; margin-bottom: 5px;">↓</p> <p style="text-align: center;"> <span style="border: 1px solid black; padding: 2px;">SUB TOTAL</span> </p> <p style="text-align: center;">After you finish to select departments, press <span style="border: 1px solid black; padding: 2px;">SUB TOTAL</span> to terminate.</p>	<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 150px;">12-06-96</td> <td style="border-left: 1px solid black; padding-left: 10px;">Date</td> </tr> <tr> <td>1 15-40</td> <td style="border-left: 1px solid black; padding-left: 10px;">Clerk No./Time</td> </tr> <tr> <td>1234 0046</td> <td style="border-left: 1px solid black; padding-left: 10px;">Machine No./Consecutive No.</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="border-left: 1px solid black; padding-left: 10px;">READ symbol</td> </tr> <tr> <td>01 15</td> <td style="border-left: 1px solid black; padding-left: 10px;">Department No./No. of items</td> </tr> <tr> <td style="padding-left: 20px;">• 339.50</td> <td style="border-left: 1px solid black; padding-left: 10px;">Department amount</td> </tr> <tr> <td>02 19</td> <td style="border-left: 1px solid black; padding-left: 10px;"></td> </tr> <tr> <td style="padding-left: 20px;">• 62.70</td> <td style="border-left: 1px solid black; padding-left: 10px;"></td> </tr> <tr> <td>03 31</td> <td style="border-left: 1px solid black; padding-left: 10px;"></td> </tr> <tr> <td style="padding-left: 20px;">• 139.10</td> <td style="border-left: 1px solid black; padding-left: 10px;"></td> </tr> <tr> <td>•••••</td> <td style="border-left: 1px solid black; padding-left: 10px;"></td> </tr> <tr> <td style="text-align: right;">253</td> <td style="border-left: 1px solid black; padding-left: 10px;">Total No. of items</td> </tr> <tr> <td style="padding-left: 20px;">• 1146.90</td> <td style="border-left: 1px solid black; padding-left: 10px;">Total amount</td> </tr> </table>	12-06-96	Date	1 15-40	Clerk No./Time	1234 0046	Machine No./Consecutive No.	X	READ symbol	01 15	Department No./No. of items	• 339.50	Department amount	02 19		• 62.70		03 31		• 139.10		•••••		253	Total No. of items	• 1146.90	Total amount
12-06-96	Date																										
1 15-40	Clerk No./Time																										
1234 0046	Machine No./Consecutive No.																										
X	READ symbol																										
01 15	Department No./No. of items																										
• 339.50	Department amount																										
02 19																											
• 62.70																											
03 31																											
• 139.10																											
•••••																											
253	Total No. of items																										
• 1146.90	Total amount																										

# Convenient Operations and Setups

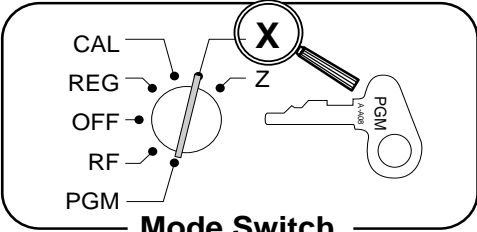
## To print the individual PLU/sub-department READ report

This report shows sales for specific PLUs/sub-departments.

OPERATION	REPORT																								
 <p><b>Mode Switch</b></p> <p>Specifying a PLU/Sub-department by its code</p> <p>( <b>1</b> ~ <b>4</b> <b>00</b> )<sup>*1</sup></p> <p>PLU/SDEPT<sup>*2</sup></p> <p>If you want to read any other PLU/Sub-department, continue specifying codes...</p> <p><b>SUB TOTAL</b></p> <p>After you finish to select PLU/Sub-department, press <b>SUB TOTAL</b> to terminate.</p>	<table border="1"> <tr><td>12-06-96</td><td>Date</td></tr> <tr><td>1 15-50</td><td>Clerk No./Time</td></tr> <tr><td>1234 0047</td><td>Machine No./Consecutive No.</td></tr> <tr><td>X</td><td>READ symbol</td></tr> <tr><td>003 21</td><td>PLU/Sub-department No./No. of items</td></tr> <tr><td>• 27 • 30</td><td></td></tr> <tr><td>050 12</td><td>PLU/Sub-department amount</td></tr> <tr><td>• 36 • 00</td><td></td></tr> <tr><td>021 13</td><td></td></tr> <tr><td>• 65 • 36</td><td></td></tr> <tr><td>46</td><td>Total No. of items</td></tr> <tr><td>• 128 • 30 TL</td><td>Total amount</td></tr> </table> <p><sup>*1</sup> <b>1</b> ~ <b>3</b> <b>00</b> for Canada</p> <p><sup>*2</sup> Press <b>PLU/SDEPT</b> directly to specify the next PLU/Sub-department.</p>	12-06-96	Date	1 15-50	Clerk No./Time	1234 0047	Machine No./Consecutive No.	X	READ symbol	003 21	PLU/Sub-department No./No. of items	• 27 • 30		050 12	PLU/Sub-department amount	• 36 • 00		021 13		• 65 • 36		46	Total No. of items	• 128 • 30 TL	Total amount
12-06-96	Date																								
1 15-50	Clerk No./Time																								
1234 0047	Machine No./Consecutive No.																								
X	READ symbol																								
003 21	PLU/Sub-department No./No. of items																								
• 27 • 30																									
050 12	PLU/Sub-department amount																								
• 36 • 00																									
021 13																									
• 65 • 36																									
46	Total No. of items																								
• 128 • 30 TL	Total amount																								

## To print the financial READ report

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

OPERATION	REPORT																										
 <p><b>Mode Switch</b></p> <p>Money declaration <sup>*2</sup></p> <p>(Cash in drawer amount <b>#</b>/<b>NS</b>, <b>NS</b>)</p> <p><b>X/FOR DATE TIME</b></p>	<table border="1"> <tr><td>12-06-96</td><td>Date</td></tr> <tr><td>1 16-00</td><td>Clerk No./Time</td></tr> <tr><td>1234 0048</td><td>Machine No./Consecutive No.</td></tr> <tr><td>X</td><td>READ symbol</td></tr> <tr><td>253</td><td>Gross No. of items</td></tr> <tr><td>• 1146 • 90 TL</td><td>Gross amount</td></tr> <tr><td>100 No</td><td>Net No. of customers</td></tr> <tr><td>• 1217 • 63 NT</td><td>Net amount</td></tr> <tr><td>• 908 • 06 CA #</td><td>Cash in drawer (b)</td></tr> <tr><td>• 908 • 06 #</td><td>Declared amount (a)</td></tr> <tr><td>• 0 • 00</td><td>Difference (a) with (b)</td></tr> <tr><td>• 125 • 97 CH #</td><td>Charge in drawer</td></tr> <tr><td>• 183 • 60 CK</td><td>Check in drawer</td></tr> </table>	12-06-96	Date	1 16-00	Clerk No./Time	1234 0048	Machine No./Consecutive No.	X	READ symbol	253	Gross No. of items	• 1146 • 90 TL	Gross amount	100 No	Net No. of customers	• 1217 • 63 NT	Net amount	• 908 • 06 CA #	Cash in drawer (b)	• 908 • 06 #	Declared amount (a)	• 0 • 00	Difference (a) with (b)	• 125 • 97 CH #	Charge in drawer	• 183 • 60 CK	Check in drawer
12-06-96	Date																										
1 16-00	Clerk No./Time																										
1234 0048	Machine No./Consecutive No.																										
X	READ symbol																										
253	Gross No. of items																										
• 1146 • 90 TL	Gross amount																										
100 No	Net No. of customers																										
• 1217 • 63 NT	Net amount																										
• 908 • 06 CA #	Cash in drawer (b)																										
• 908 • 06 #	Declared amount (a)																										
• 0 • 00	Difference (a) with (b)																										
• 125 • 97 CH #	Charge in drawer																										
• 183 • 60 CK	Check in drawer																										

<sup>\*2</sup> Money declaration:

Count how much cash is in the drawer and input this amount (up to 8 digits).

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

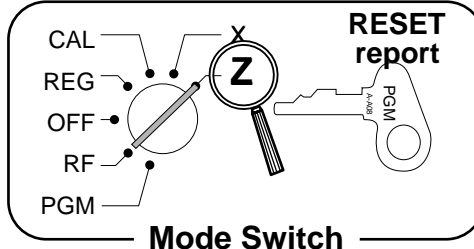
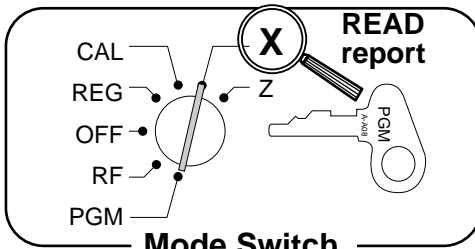
Note that if money declaration is required by programming (page 57), you cannot skip this procedure.

# To print the daily sales READ/RESET report

This report shows sales except for PLUs.

## OPERATION

## REPORT



MONEY DECLARATION \*1

(Cash in drawer amount #/NS, NS)

CA/AMT  
= /TEND

12-06-96	Date
1 16-10	Clerk No./Time
1234 0049	Machine No./Consecutive No.
000 X	Report code/READ symbol
01 15	Department No./No. of items*2
• 339 • 50	Department amount*2
• 62 • 70	
00 16	Non-link department count
• 94 • 90	Non-link department amount
253	Gross No. of items
• 1146 • 90 TL	Gross sales
10 No	Subtraction count
• 4 • 62 -	Subtraction amount
8 No	Premium/Discount count
• 3 • 00 % -	Premium/Discount amount
• 732 • 56 I TA	Taxable amount 1*3
• 56 • 80 I TX	Tax amount 1*3
• 409 • 72 II TA	Taxable amount 2*3
• 21 • 55 II TX	Tax amount 2*3
• 272 • 50 III TA	Taxable amount 3 (Canada only)*3
• 21 • 55 III TX	Tax amount 3 (Canada only)*3
100 No	No. of customers

• 1217 • 63 NT	Net amount
1 10 No	Clerk 1 count
• 14 • 62	Clerk 1 sales amount
25 No	
• 51	
81 No	Cash sales count
• 836 • 86 CA	Cash sales amount
10 No	Charge sales count
• 197 • 17 CH	Charge sales amount
9 No	Check sales count
• 183 • 60 CK	Check sales amount
2 No	Received on Account count
• 78 • 00 RC	Received on Account amount
1 No	Paid out count
• 6 • 80 PD	Paid out amount
10 No	Error correction count
• 12 • 76 VD	
2 No	Cancellation count
• 108 • 52 * VD	Refund key count*4
7 No	
• 27 • 79 RF	Refund mode operation count*4
2 No	Refund mode operation amount*4
• 3 • 74 * RF	Refund mode operation amount*4
5 #	No sale count
3 CA No	CAL mode operation count*4
• 908 • 06 CA #	Cash in drawer amount
• 125 • 97 CH #	Charge in drawer amount
• 183 • 60 CK	Check in drawer amount
• 000000	Non-resettable grand-sales total (RESET report only)
001217 • 63	

\*1 Money declaration:

Count how much cash is in the drawer and input this amount (up to 8 digits).

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

Note that if money declaration is required by programming (page 57), you cannot skip this procedure.

\*2 Zero totaled departments (the amount and item numbers are both zero) are not printed.

\*3 Taxable amount and tax amount are printed only the corresponding tax table is programmed.

\*4 These items can be skipped by programming.

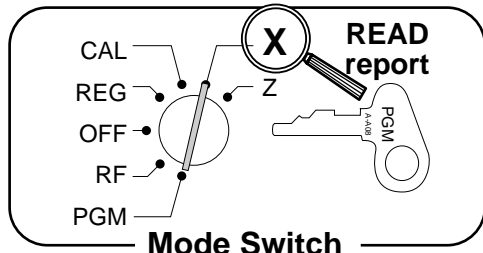
\*5 The "\*" symbol is printed on the RESET report, memory overflow occurred in the totalizer.

# Convenient Operations and Setups

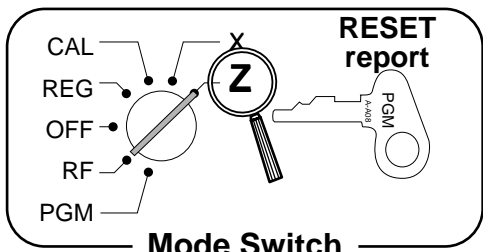
## To print the PLU/sub-department READ/RESET report

This report shows sales for PLUs/sub-departments.

### OPERATION



1 CA/AMT = /TEND



1 CA/AMT = /TEND

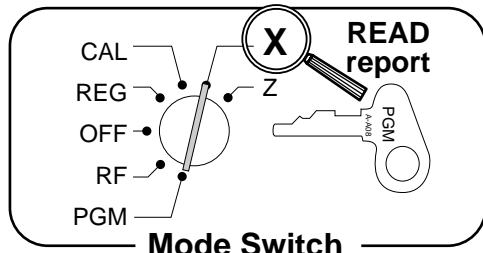
### REPORT

12-06-96	—	Date
1 16-20	—	Clerk No./Time
1234 0050	—	Machine No./Consecutive No.
001 X	—	READ symbol (RESET symbol and counter are printed on RESET report)
001 21	—	PLU/Sub-department No./ No. of items
•27•30	—	
002 12	—	PLU/Sub-department amount
•36•00	—	
003 13	—	PLU/Sub-department amount
•65•36	—	
004 68	—	PLU/Sub-department amount
•47•94	—	
005 13	—	PLU/Sub-department amount
•76•00	—	
102 12	—	PLU/Sub-department amount
•24•00	—	
150 13	—	PLU/Sub-department amount
•33•34	—	
.....	—	Total No. of items
246	—	
•3128•30 TL	—	Total amount

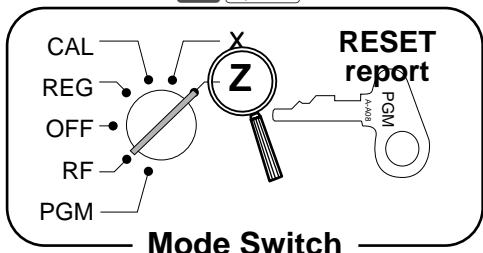
## To print the hourly sales READ/RESET report

This report shows hourly breakdowns of sales.

### OPERATION



2 CA/AMT = /TEND



2 CA/AMT = /TEND

### REPORT

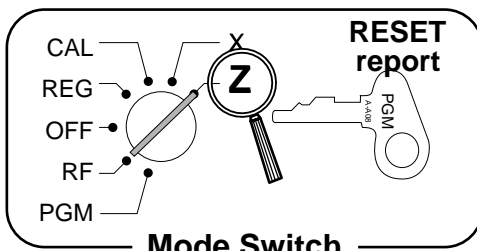
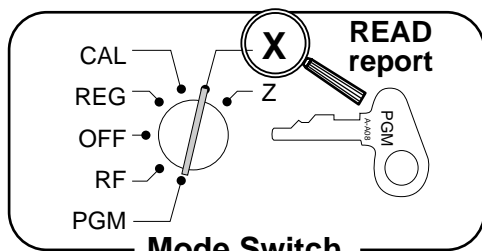
12-06-96	—	Date
1 16-30	—	Clerk No./Time
1234 0051	—	Machine No./Consecutive No.
002 X	—	READ symbol (RESET symbol and counter are printed on RESET report)
10-11	—	Time zone
17 No	—	
•171•83	—	No. of customers
11-12	—	
21 No	—	Amount
•96•20	—	
•331•00	—	Total No. of items
20-21	—	
11 No	—	Total amount
•96•20	—	
.....	—	Total No. of items
246	—	
•3128•30 TL	—	Total amount

# To print the periodic sales READ/RESET report

This report shows sales breakdowns of sales by any period you want.

## OPERATION

## REPORT



Mode Switch

Mode Switch

1 0 0

2 0 0

CA/AMT  
= /TEND

CA/AMT  
= /TEND

12-31-96	Date
1 17-55	Clerk No./Time
1234 0247	Machine No./Consecutive No.
200 0001Z	Report code/RESET symbol
Z	
01 15	Department No./No. of items*1
• 339.50	Department amount*1
02 19	
• 8.70	
00 16	Non-link department count
• 94.90	Non-link department amount
253	Gross No. of items
• 1146.90 TL	Gross sales
10 No	Subtraction count
• 4.62 -	Subtraction amount
8 No	Premium/Discount count
• 3.00 % -	Premium/Discount amount
• 732.56 I TA	Taxable amount 1*2
• 56.80 I TX	Tax amount 1*2
• 409.72 II TA	Taxable amount 2*2
• 21.55 II TX	Tax amount 2*2
• 272.50 III TA	Taxable amount 3 (Canada only)*2
• 21.55 III TX	Tax amount 3 (Canada only)*2
100 No	No. of customers
• 1217.63 NI	Net amount

1 10 No	Clerk 1 count
• 14.62	Clerk 1 sales amount
2 25 No	
• 21.38	
81 No	Cash sales count
• 836.86 CA	Cash sales amount
10 No	Charge sales count
• 197.17 CH	Charge sales amount
9 No	Check sales count
• 183.60 CK	Check sales amount
2 No	Received on Account count
• 78.00 RC	Received on Account amount
1 No	Paid out count
• 6.80 PD	Paid out amount
10 No	Error correction count
• 12.76 VD	
2 No	Cancellation count
• 108.52 * VD	
7 No	Refund key count*3
• 27.79 RF	
2 No	Refund mode operation count*3
• 3.74 * RF	Refund mode operation amount*3
5 #	No sale count
3 CA No	CAL mode operation count*3
• 908.06 CA #	Cash in drawer amount
• 125.97 CH #	Charge in drawer amount
• 183.60 CK	Check in drawer amount

\*1 Zero totalled departments (the amount and item numbers are both zero) are not printed.

\*2 Taxable amount and tax amount are printed only the corresponding tax table is programmed.

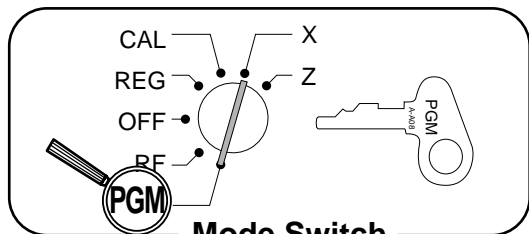
\*3 These items can be skipped by programming.

## Printing the cash register's program

To print programming (except PLU)

### OPERATION

### REPORT



Mode Switch

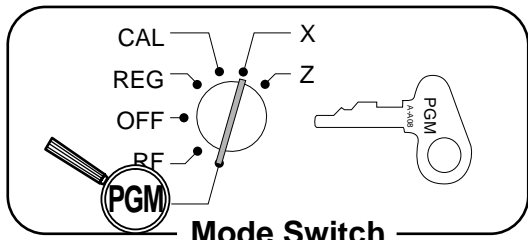


12-06-96	Date
09-15	Time
1234 0005	Machine No./Consecutive No.
X	READ symbol
01 •1•00 I @	Dept. No./Unit price/Tax status
0112	Single item status/Listing capacity <sup>*1</sup>
02 •2•00 II @	
0212	
03 •3•00 III @	
0312	
40•00 I @	
0000 CA	Cash key programming
0000 CH	Charge key programming
0000 CK	Check key programming
I -	Minus key programming
0100 -	Minus key programming
12•34 % -	Discount/Premium rate
III	Discount/Premium key programming
0300 % -	Discount/Premium key programming
0122 ••0032	Monetary mode/Date printing order
0222 ••1234	Store/Machine number
0522 ••0020	Printing controls
0622 ••0001	Compulsory/Calculation method control
0822 ••0000	Printing control of X/Z report
1022 ••0000	Calculation mode control
0125	
10 %	
5002	Tax table 1 <sup>*1</sup>
0000	
0225	
0 %	
0000	Tax table 2 <sup>*1</sup>
02	
0032	
0325	
10•25 %	
5002	Tax table 3 <sup>*1</sup>
0000	
0132	
801-	Tel. number
127-4567	
12-06-96	Date

<sup>\*1</sup> Department or tax table without being programmed are not printed on this report.

# To print programming

## OPERATION



**Mode Switch**



## REPORT

12-06-96	Date
09-30	Time
1234 0006	Machine No./Consecutive No.
X	READ symbol
001 • 1.00 I @	PLU No./Unit price/Tax status* <sup>1</sup>
0012	Single item status/Link dept.* <sup>1</sup>
002 • 2.00 II @	
0012	
003 • 3.00 III @	
0012	
004 • 4.00 I @	
0012	
12-06-96	
	Date

\*<sup>1</sup> PLU without being programmed is not printed on this report.

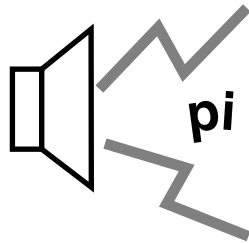
# Troubleshooting

This section describes what to do when you have problems with operation.

## When an error occurs...

Errors are indicated by an error tone. When this happens, you can usually find out what the problem is as illustrated below.


### ERROR TONE




Does the display show an error code?

No

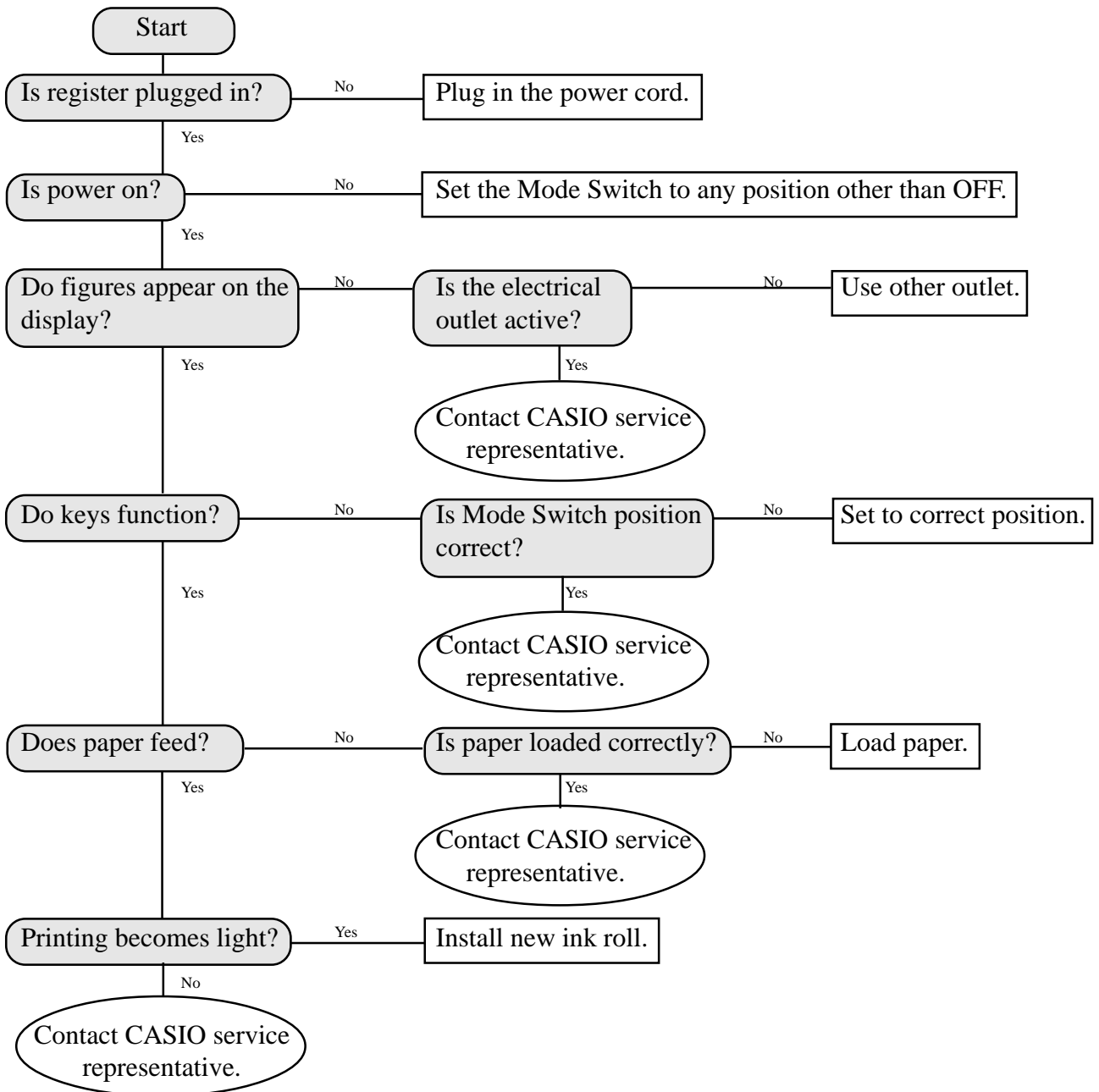
Yes

Error Code	Meaning	Action
E01	Mode Switch position changed before finalization.	Return the Mode Switch to its original setting and finalize the operation.
E08	Registration without entering a clerk number. This error appears only when the clerk control function is activated.	Enter a clerk number.
E27	Transaction cancel buffer is full.	Finalize the transaction.
E31	Finalization of a transaction attempted without confirming the subtotal.	Press the  key.
E33	Finalize operation attempted without entering amount tendered.	Enter the amount tendered.
E38	READ/RESET operation without declaring cash in drawer. This error appears only when this function is activated.	Perform money declaration.
E94	Printer error.	Turn the power off, and remove jammed paper from the printer.

Press  key and check the appropriate section of this manual for the operation you want to perform.

## When the register does not operate at all...

Perform the following check whenever the cash register enter an error condition as soon as you switch it on. The results of this check are required by service personnel, so be sure to perform this check before you contact a CASIO representative for servicing.



## In case of power failure...

If the power supply to the cash register is cut by a power failure or any other reason, simply wait for power to be restored. The details of any on-going transaction as well as all sales data in memory are protected by the memory backup batteries.

- Power failure during a registration  
The subtotal for items registered up to the power failure is retained in memory. You will be able to continue with the registration when power is restored.
- Power failure during printing a READ/RESET report  
The data already printed before the power failure is retained in memory. You will be able to issue a report when power is restored.
- Power failure during printing of a receipt and the journal  
Printing will resume after power is restored. A line that was being printed when the power failure occurred is printed in full.
- Other  
The power failure symbol is printed and any item that was being printed when the power failure occurred is reprinted in full.

### Important!

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

## When the L sign appears on the display

### About the low battery indicator...

The following shows the low battery indicator.



If this indicator appears when you switch the cash register on, it can mean one of three things:

- No memory backup batteries are loaded in the cash register.
- The power of the batteries loaded in the unit is below a certain level.
- The batteries loaded in the unit are dead.

To clear this sign, press  key.

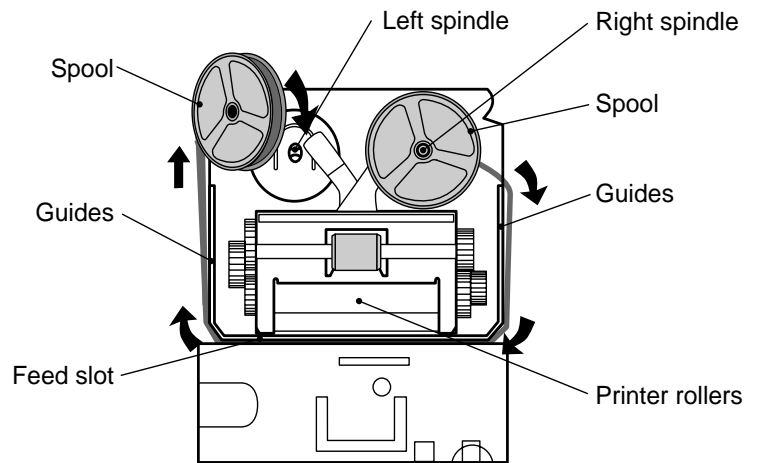
### Important!

**Whenever the low battery indicator appears on the display, load a set of three new batteries as soon as possible. If there is a power failure or you unplug the cash register when this indicator appears, you will lose all of your sales data and settings.**

**BE SURE TO KEEP THE POWER CORD OF THE CASH REGISTER  
PLUGGED IN WHENEVER YOU REPLACE THE BATTERIES.**

## To replace the ink ribbon

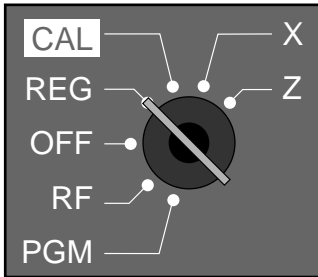
1. Remove the printer cover.
2. Remove the inner cover by grasping its top on the left side and lifting up to the right.
3. Unroll about 10 centimeters of ribbon and place the take-up spool on the left shaft.
4. Insert the ribbon into the ribbon feed slot between the printer rollers. Loop the ribbon around the outside guard brackets as in the illustration.
5. Move the ribbon clip to the left. While holding the clip open, place the feed spool on the right shaft and take up any slack in the ribbon.



### Important!

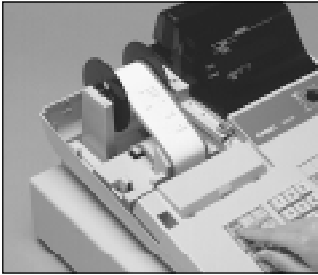
Use only the RAP-01 ribbon (purple). Other types of ink ribbons can damage the printer. Never try to extend the life of an ink ribbon by replenishing the ink. Once an ink ribbon is in place, press the  or  key to test for correct operation.

## To replace journal paper



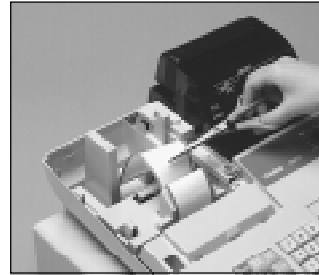
1

Set the Mode Switch to the REG position and remove the printer cover.



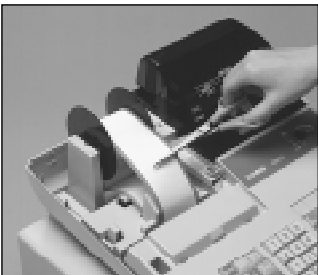
2

Press the **FEED** to feed about 20 cm of paper.



7

Cut the journal paper as shown in the photograph.



3

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



8

Press the **FEED** to feed the remaining paper from the printer.



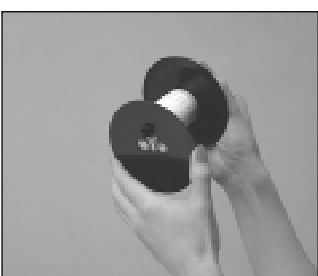
4

Remove the journal take-up reel from its holder.



9

Do not pull the paper out of the printer by hand. It can damage the printer.



5

Remove the flat plate from the side of the take-up reel.



10

Remove the old paper roll from the cash register.



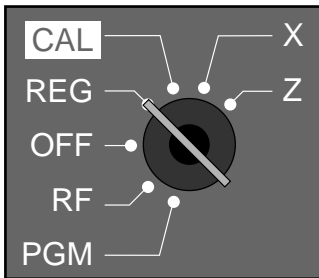
6

Slide the printed journal from the take-up reel.

11

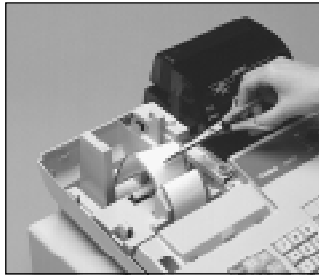
Load new paper as described on page 10 of this manual.

## To replace receipt paper



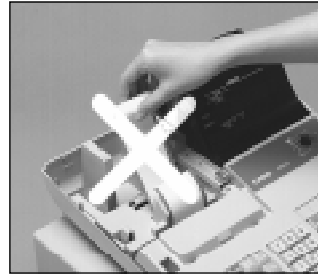
1

Set the Mode Switch to the REG position and remove the printer cover.



2

Cut the receipt paper as shown in the photograph.



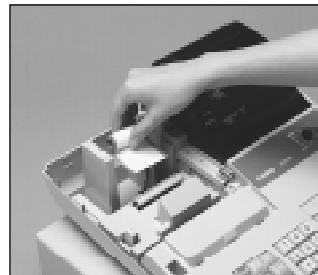
4

Do not pull the paper out of the printer by hand. It can damage the printer.



3

Press **FEED** to feed the remaining paper from the printer.



5

Remove the old paper roll from the cash register.

6

Load new paper as described on page 9 of this manual.

## Options

### WT-73 Wetproof Cover

The optional wetproof cover protects the keyboard from moisture damage.

# Specifications

## INPUT METHOD

Entry: 10-key system; Buffer memory 8 keys (2-key roll over)  
 Department: Full key system

## DISPLAY (LED)

Amount 8 digits (Zero suppression); Department No.; PLU No.;  
 No. of repeats; TOTAL; CHANGE; X mode; Z mode; Receipt On/Off

## PRINTER

Printer: Single sheet impact printer (Receipt or journal printing)  
 12 digits (Amount 10 digits/Symbol 2 digits)  
 Journal: Automatic take up roll winding  
 Print speed: 3.2 lines/sec.  
 Feed speed: 3.2 lines/sec.  
 Paper roll: 58 mm x 80 mm Ø (Max.)  
 2-ply paper roll 58 mm x 80 mm Ø (Max.)  
 CASIO CP-5880

## CALCULATIONS

Entry 8 digits; Registration 7 digits; Total 8 digits

## CHRONOLOGICAL DATA

Date print: Automatic date printout on receipt or journal  
 Automatic calendar  
 Time print: Automatic time printout on receipt or journal  
 Time display: 24-hour system

## ALARM

Entry confirmation signal; Error alarm

## TOTALIZERS

Category	No. of Totalizers	Contents				Periodic Totalizers
		Amount (8 digits)	No. of items (4 digits)	Count (4 digits)	No. of customers (4 digits)	
Department	40 (U.S.) 10 (Canada)	<input type="radio"/>	<input type="radio"/> (4 digits integer/ 2 digits decimal)			<input type="radio"/>
PLU	400 (U.S.) 300 (Canada)	<input type="radio"/>	<input type="radio"/> (4 digits integer/ 2 digits decimal)			
Hourly sales	24	<input type="radio"/>			<input type="radio"/>	
Clerk*	10	<input type="radio"/>			<input type="radio"/>	
Transaction	25	<input type="radio"/> or <input type="radio"/>		<input type="radio"/> or <input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Non resettable grand sales total	1	<input type="radio"/> 14 digits				
Reset counter	4			<input type="radio"/>		<input type="radio"/>
Consecutive No.	1			<input type="radio"/> 4 digits		

\* Available only when the clerk control function is active on the cash register.

## Memory protection batteries

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

## Power supply/ Power consumption

As noted on the plate affixed to right side of register.

## Operating temperature

32°F-104°F(0°C-40°C)

## Humidity

10 - 90%

## Dimensions and Weight

10<sub>19/32</sub>"(H)x13<sub>11/16</sub>"(W)x15<sub>9/32</sub>"(D)/14lbs 6oz.  
 284mm (H)x400mm (W)x468mm (D)/10.5kg

with small size drawer (U.S.)  
 with medium size drawer (Canada)

\* Specifications and design are subject to change without notice.

<b>A</b>	Amount tender compulsory ..... 68	<b>G</b>	Grand total ..... 53, 73
	Arithmetic operation key ..... 27, 69	<b>H</b>	High digit limitation ..... 59
<b>B</b>	Battery compartment ..... 8, 22	<b>I</b>	Ink ribbon (location) ..... 22
<b>C</b>	Calculator mode ..... 23, 69		Ink ribbon (replacement) ..... 81
	Cancel (key) ..... 26		Item counter ..... 28
	Cancel (registration) ..... 52	<b>J</b>	Journal ..... 12, 14, 28
	Change preparation ..... 30		Journal skip ..... 28, 56
	Charge (key) ..... 27	<b>K</b>	Key (Drawer key) ..... 22, 23
	Charge (registration) ..... 46		Key (Mode key) ..... 22, 23
	Cash/Amount tender key ..... 31, 32		Key (Operator key) ..... 23
	Check (key) ..... 27		Key (Program key) ..... 23
	Check (registration) ..... 46		Keyboard ..... 22, 26, 27
	Clear (key) ..... 26	<b>L</b>	Low battery indicator ..... 80
	Clear (operation) ..... 50, 69		Load 1-ply paper for journal ..... 12
	Clerk key ..... 26		Load 1-ply paper for receipt ..... 11
	Clerk sign on/off ..... 54		Load 2-ply paper ..... 13
	Correction ..... 50, 51	<b>M</b>	Machine number ..... 28, 58
	Consecutive number ..... 28, 56, 57		Main display ..... 22, 25
<b>D</b>	Daily sales report ..... 53, 73		Memory backup battery ..... 8, 9
	Date & time display ..... 30		Memory recall ..... 69
	Date & time setting ..... 14		Merchandise subtotal ..... 27, 41, 44, 52
	Department key ..... 26		Minus key (reduction) ..... 42, 43
	Department registration ..... 31, 32		Mode key ..... 23
	Department report ..... 71		Mode switch ..... 23
	Discount ..... 40, 41, 65, 66		Money declaration ..... 57, 72, 73
	Display ..... 25		Multiplication key ..... 26
	Drawer ..... 22, 23, 24		Multiplication registration ..... 32, 38, 62
	Drawer key ..... 22, 23	<b>N</b>	Negative department ..... 63
	Drawer open key ..... 27		Negative PLU (Sub-department) ..... 64
	Drawer release lever ..... 24		Non-add key ..... 26
<b>E</b>	Equal key ..... 27		Non-add registration ..... 46
	Error code ..... 78		Non-resettable grand total ..... 53, 73
	Error correct key ..... 26		No sale key ..... 26, 27
	Error correct registration ..... 50, 51		No sale registration ..... 52
<b>F</b>	Feed key ..... 26		
	Financial report ..... 72		

- O**
- Open key ..... 26
  - Open key operation ..... 59
  - Operator key ..... 23
- P**
- Paid out key ..... 27
  - Paid out registration ..... 49
  - Paper feed key ..... 26
  - Paper installation ..... 10 ~ 13
  - Percent key ..... 26
  - Percent registration ..... 40, 41, 65, 66
  - Periodic report ..... 75
  - PLU/Sub-department key ..... 26
  - PLU registration ..... 36 ~ 39
  - Pop-up display ..... 22, 25
  - Post receipt ..... 55
  - Post receipt key ..... 26
  - Power failure ..... 80
  - Premium ..... 65, 66
  - Preset price (department) ..... 33, 35
  - Preset price (PLU) ..... 36, 38
  - Preset price (sub-department) ..... 36, 61
  - Printout selection (Receipt/Journal) ..... 14
  - Printer cover ..... 22
  - Price key ..... 26
  - Program read ..... 76, 77
  - Program key ..... 23
- Q**
- R**
- Read report ..... 71 ~ 75
  - Receipt on/off key ..... 22, 27
  - Receipt on/off indicator ..... 25
  - Received on Account key ..... 26
  - Received on Account registration ..... 49
  - Reduction (minus key) ..... 42, 43
  - Refund key ..... 26
  - Refund key registration ..... 47
  - Refund mode ..... 23
  - Refund mode registration ..... 48
  - Register mode ..... 23
  - Repeat counter ..... 25
  - Repeat registration ..... 32, 38, 61
  - Reset report ..... 53, 73 ~ 75
  - Return operation ..... 47, 48
  - Roll paper installation ..... 10 ~ 13
  - Roll paper specification ..... 84
- S**
- Single-item-sale ..... 60
  - Split package pricing ..... 32, 39, 62
  - Store number (machine number) ..... 28, 58
  - Store telephone number ..... 21, 59
  - Sub-department ..... 61, 62, 64
  - Subtotal compulsory ..... 57
  - Subtotal key ..... 27
  - Subtotal printing ..... 56
  - Subtotal registration ..... 32
- T**
- Take-up reel ..... 22
  - Tax table (CANADA tax programming) ..... 20
  - Tax table (U.S. tax programming) ..... 15 ~ 19
  - Tax calculation status (department) ..... 34, 63
  - Tax calculation status (PLU/Sub-dept.) ..... 37, 64
  - Tax calculation status (discount/premium) ..... 40, 66
  - Tax calculation status (reduction) ..... 42, 68
  - Tax shift key ..... 26, 27
  - Tax shift operation ..... 45
  - Time setting ..... 14
- V**
- W**
- X**
- X indicator ..... 25
  - X mode ..... 23
  - X report (READ report) ..... 71 ~ 75
- Y**
- Z**
- Z indicator ..... 25
  - Z mode ..... 23
  - Z report (RESET report) ..... 53, 73 ~ 75

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