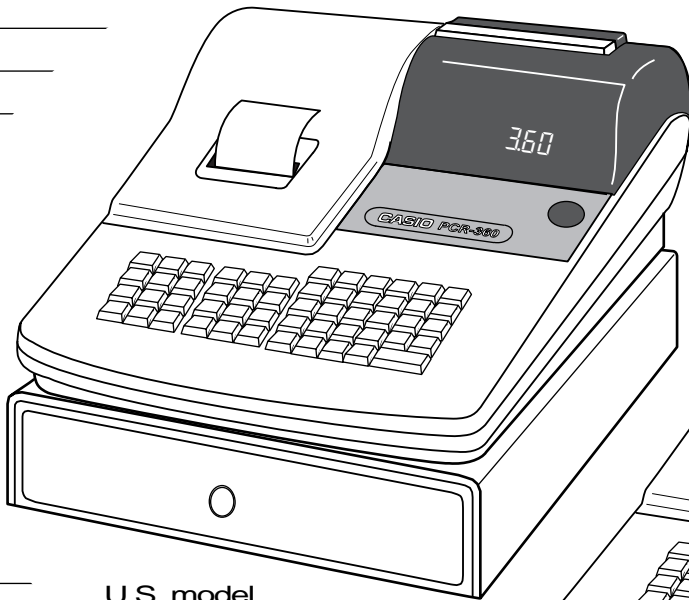


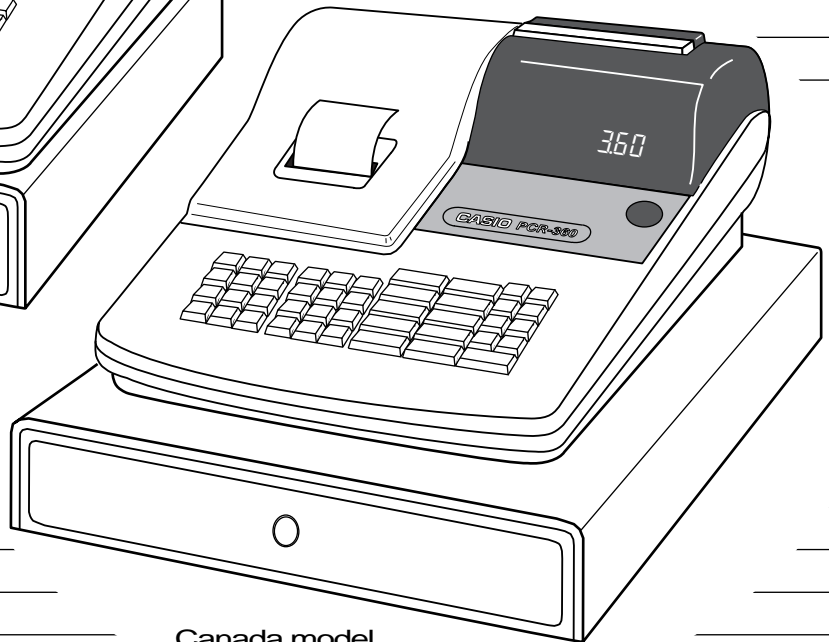
ELECTRONIC CASH REGISTER

PCR-360

OPERATOR'S INSTRUCTION MANUAL



U.S. model



Canada model

CI

CANADA

CASIO[®]

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.

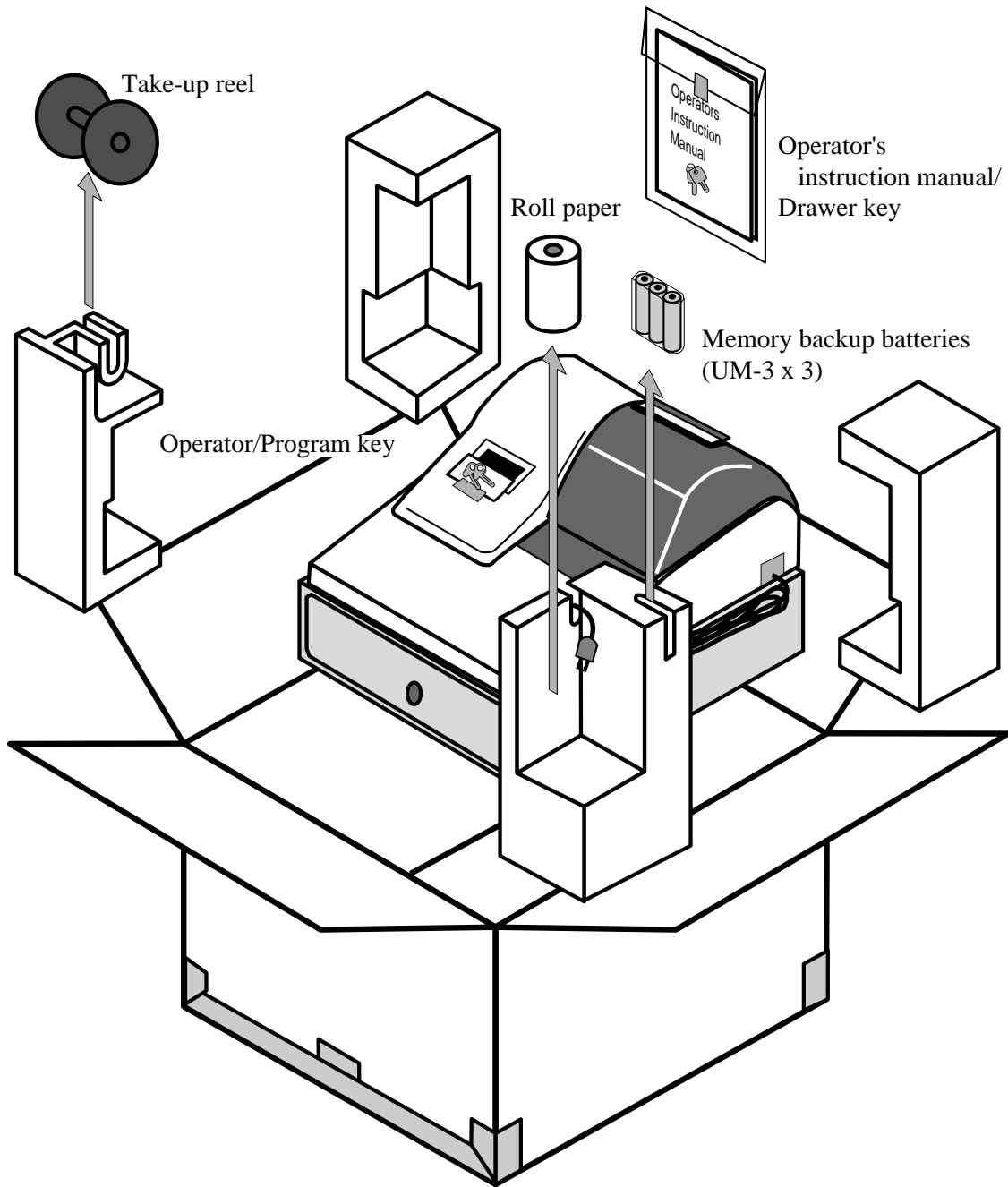
This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

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.

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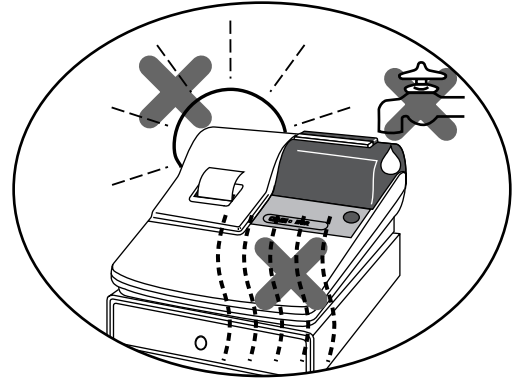
Unpacking the register



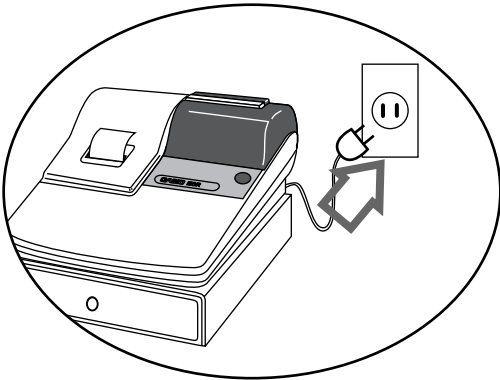
Important!

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

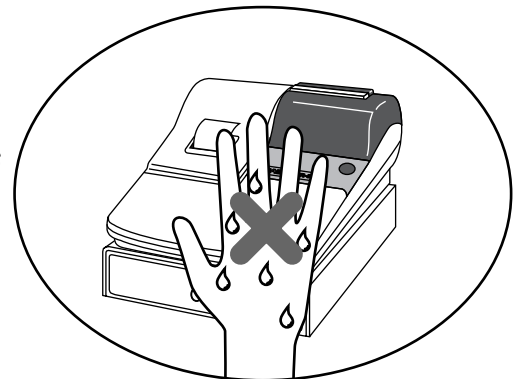
Do not locate the cash register where it will be subjected to direct sunlight, very high humidity, splashing with water or other liquids, or high temperature (such as near a heater).



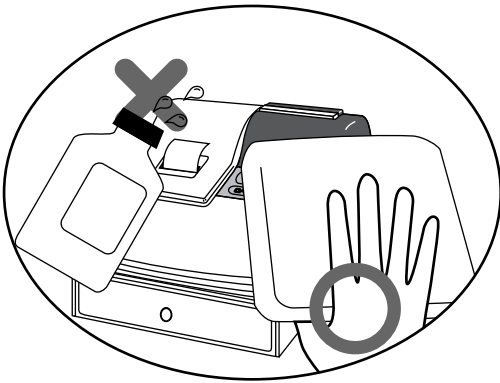
Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in the area.



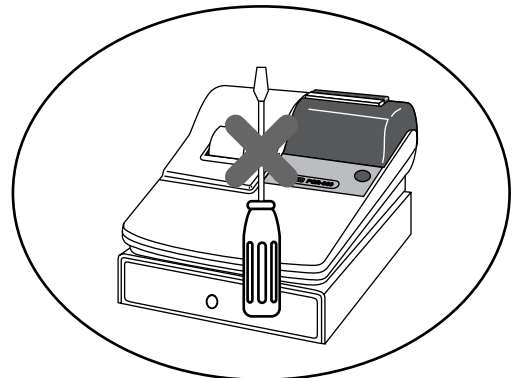
Never operate the cash register while your hands are wet.



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



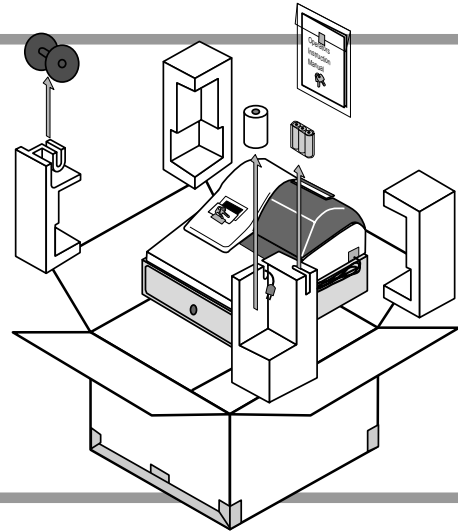
Never try to open the cash register or attempt your own repairs. Take the cash register to your authorized CASIO dealer for repairs.



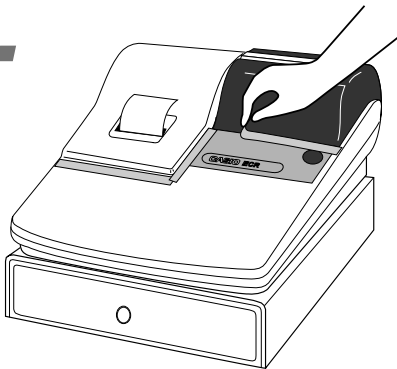
Getting Started

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.**

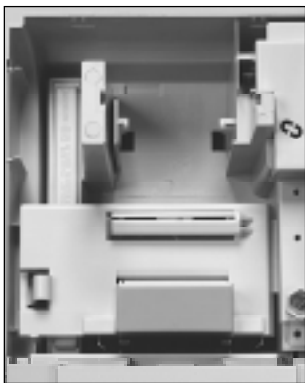


Remove the tape holding parts of the cash register in place.

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.

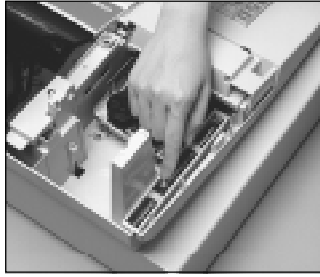
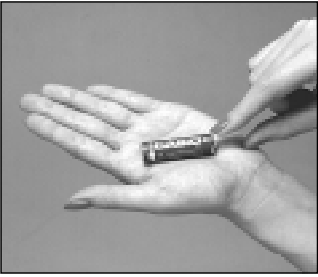


1. Remove the printer cover and inner cover.

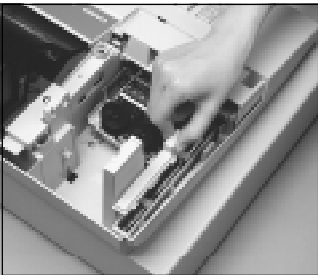


2. Remove the battery compartment cover. Pressing down where the cover is marked " " and put it up.

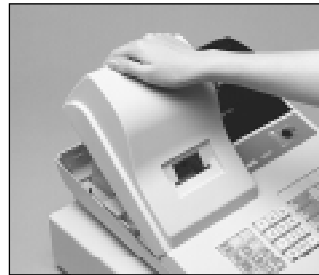
3. Install the three memory backup batteries. (continued...)



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!

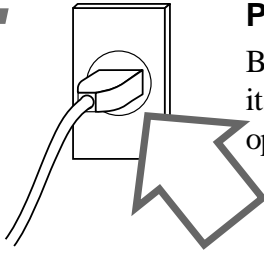
Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the cash register. Note the followings.

- 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.

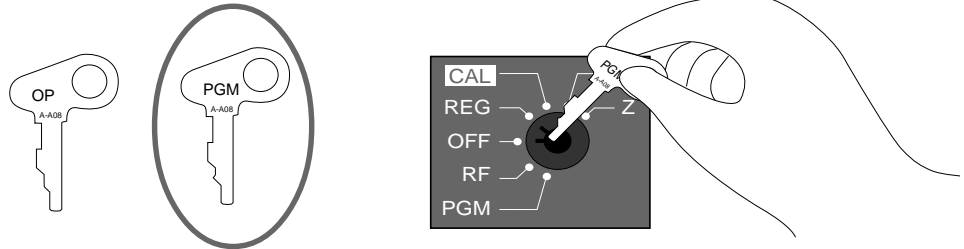


Plug the cash register into a wall outlet.

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.

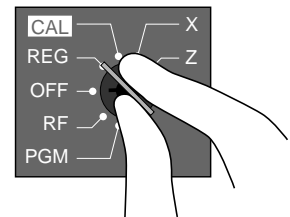
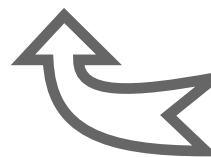
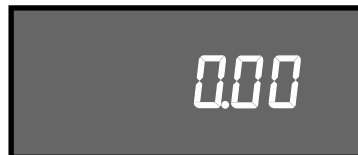
Insert the mode key marked "PGM" into the Mode Switch.



6.

Turn the mode key to the "REG" position.

The display should change to the following.



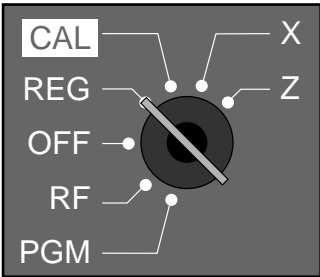
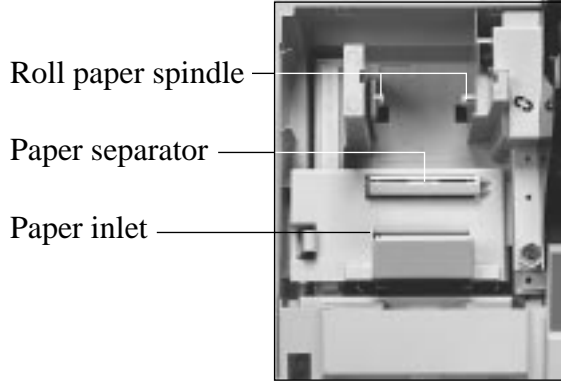
7. Install receipt/journal paper

Important!

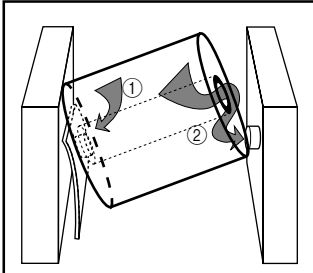
**Never operate the cash register without paper.
It can damage the printer.**

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



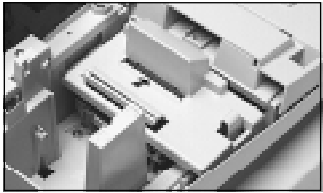
5 Work the paper roll gently between the two spindles so that they slip into the center hubs of the roll.



2 Remove the printer cover



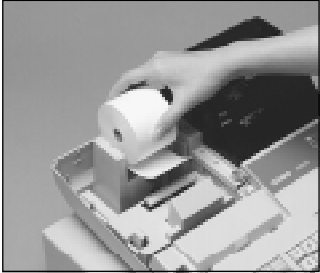
6 Pass paper over silver plate.



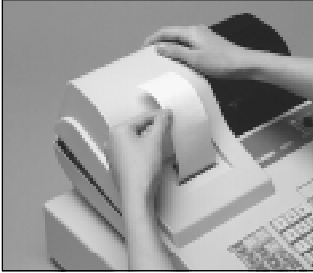
3 Cut off the leading end of the paper so it is even.



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.



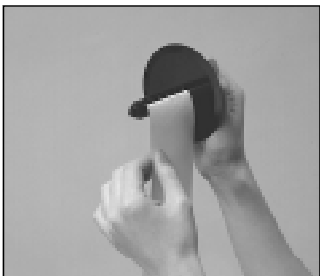
⑧

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

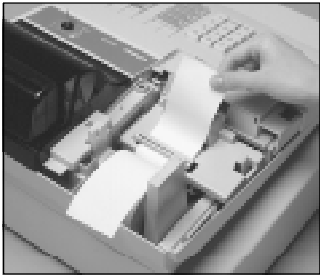
Follow steps ① through ⑤ under "To load 1-ply paper for printing of receipts" above.



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."



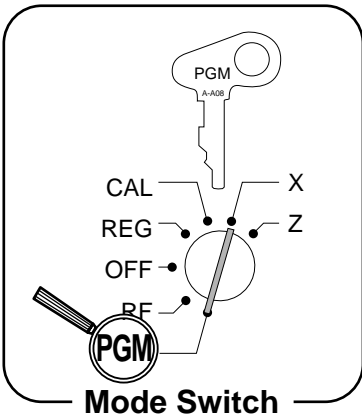
⑧ Join the ends of the paper again and insert them into the paper inlet.

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.

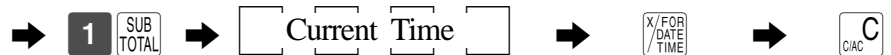
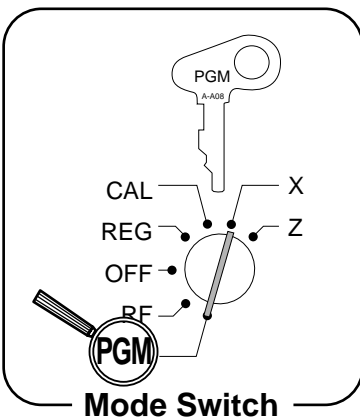
8. Set the date.



Example:

December 6, 1996 ⇨ **9 6 1 2 0 6**

9. Set the time.

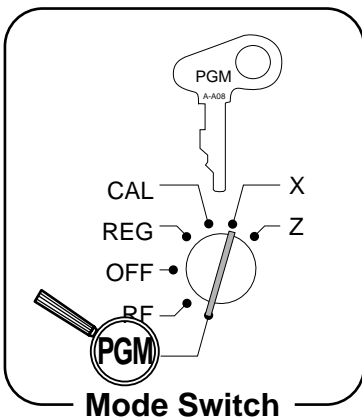


Example:

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!

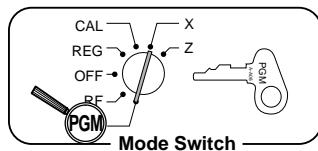
Be sure you use the state sales tax data specifically for your state. Even if your state uses the same tax rate percentage as another state, inputting the wrong data will cause incorrect result.

Programming procedure

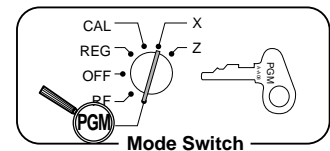
Example 1 (Alabama 6% sales tax to Tax Table 1)

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
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	172
1	233	1	1	5002	1	190
5	255	2	1		6	209
17	277	17	18		17	227
33	299	29	18		27	245
55		49	51		45	263
77			68		63	281
99			84		81	299
122			118			
144					118	
166					136	
188					154	

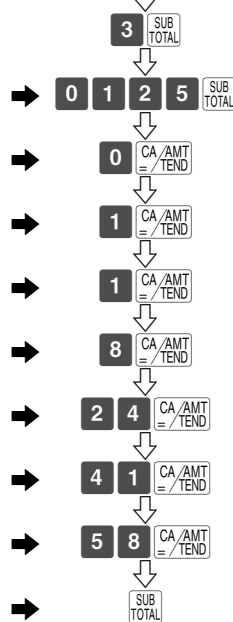


Assign Tax Table 1

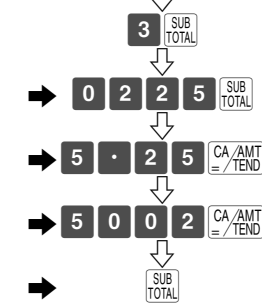
Assign Tax Table 2

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

Terminate program



Terminate program



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	50	37
63	62	50
75	74	62
88	87	
101	100	
115	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	21
71	71	38	35
117	100	56	50
128	72	64	
157	88	78	
185	110	92	
		107	
		121	
		135	

NEW MEXICO									
3.75%	4.25%	4.375%	4.5%	4.875%	5.175%	5.25%	5.375%	5.575%	5.75%
0	280	0	247	0	239	0	4.875	5.175	0
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			67
93		82	388	79	78	78			46
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%
0	0	0	0	0	182	0	0
1	1	1	1	1	200	1	1
3	5	2	2	2	219	3	2
15	15	15	15	15	15	15	15
33	31	25	20	19	17	31	15
67	51	50	40	37	34	47	29
100	71	75	55	55	50	62	43
133	100	100	73	67	77	77	58
166	125	125	91	84	93	93	72
200			110	108	108	86	75
			128	124	100	88	88
			146	139	115	100	
			164	154			

OHIO						
5%	5.5%	5.75%	6%	6%	MEIGS Co.	6.25%
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	71	71	71
92	85	85	85
107	100	100	100

OKLAHOMA												
2%	3%	3.25%	4%	4.25%	4.5%	5%	5.25%	6%	6.25%	6.725%	7%	7.25%
0	0	0	323	0	0	0	5.25	0	0	6.725	0	0
1	1	1	353	1	1	1	5002	1	1	5002	1	1
1	1	7	384	1	2	1		1	1		1	1
24	16	15	415	12	11	9		8	7		8	6
74	49	46	446	37	33	29		24	23		22	18
	83	76	476		55			41			37	31
	116	107	507		77			58			51	42
		138	538		99						65	54
		169	569		121						79	66
		199	599		144						94	78
		230									108	90
		261									122	103
		292										91

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	250
	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
12	10	10		9	7	192
37	30	28		26	23	207
		46		43	38	21
		64		60	53	35
		82		76	69	49
		100		92	84	64
		118		109	99	78
		136			99	92
		154			115	107
		172			130	121
					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)						
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
1	1	1	230	5002	1	5002	1	180	5002	1	173	1	1	1	5002	1	5002	1
1	1	1	254		1		12	199		1	191	1	1	1		1		3
12	12	12	278		9		9	219		9	209	8	8	9	7	7	8	170
37	37	36	303		29		28	238		27	26	24	25	24	23	22	185	348
	62	60	327		49		47			45	44	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	8.25
1	1	5002	1	1	5002
1	1		1	5	
1	1		1	109	1
7			6	6	135
21			19	19	148
35			33	32	161
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	
1	242	1	1	219	1	1	209	5002	5002	1	5002	
1	263	1	1	238	1	1			0	2	0	
10	284	9	9	257	9	9			8	8	8	
31	305	29	28	276	27	27				24	23	
52	326		47	295	46	45				41	27	
73	347		66	314	65	63				58	47	
94	368		85	333	83	81				74	63	
115	389		104	352	102	99					78	
136	410		123	371		118					92	
157			142	390		136					107	
178			161	409		154						
199			180			172						

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

VIRGINIA																				
ARLINGTON COUNTY			FAIRFAX			FAIRFAX CITY			HAMPTON		LEESBURG		RICHMOND		ALEXANDRIA		NEWPORT NEWS		RICHMOND	
4%			4.5%			6.5%			7%		7%		7.5%		7.5%		7.5%		8%	
0	214	484	0	0	188	0	149	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	134		1	1	5002	1	122	1	1	114
13	259	537	2	2	233	4	188	1	166	13	149		1	1		1	144	2	5	134
33	284		12	15	255	11	211	11	174	14	159		7	14		11	149	6	14	134
66	314		37	33	277	14	233	24	188	29	184		21	14		16	166	19	34	159
100	334		62	55	299	33	249	33	211	34	184		35	34		33	183	33	44	
133	359		87	77		55	255	55		44	214		49	59		49	188	46	44	
166	384		112	99		77		74		59	214		64	59		55	211	59	59	
200	414		137	122		99		77		74	234		78	84		77		59	59	
	434		144	122		99		99		84	249		92	84		83		84	84	
	459		166	144		122		114		114	259		107	114		93		84	84	

VIRGINIA											
ROANOKE CITY		VA BEACH		NORFOLK CITY		CITY OF RICHMOND		Food tax			
8.5%		9%		9%		9.5%		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%		8.2%									
0	0	131	0	129	0	126	0	0	124	282	7.8	0	0	0	117	8.1	0	115	262	408	0
1	1		1	143	1	139	1	1	138		2	1	1	1	129	2	1	128	274	420	1
7	6		6	156	1	153	2	3	151		0	2	1	14	141	0	1	140	286	432	1
21	20		6	170	6	166	7	6	164		7	6	6	6	154	6	6	152	296	445	5
35	34		19	184	19	179	19	19	177		19	18	18	18	166	18	18	164	310	457	17
49	48		33	198	33	193	33	32	190		32	31	31	30	179	30	30	176	323	469	28
64	62		47	211	46	206	46	46	203		44	44	43	43	191	43	42	189	335	481	
78	76		61	225	59	217	59	59	217		57	56	55	55	203	55	54	201	347	493	
92	90		74	239	73	230	72	72	230		70		67	67	203	67	67	213	359	506	
107	104		88	252	86	243	85	85	243		83		80	80		80	79	225	371		
118	118		102	269	99	256	98	98	256		92		91	91		91	91	237	384		
			115		113		111	111	269		104		103	103		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

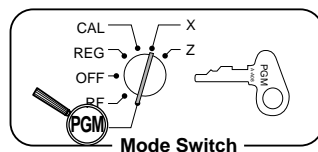
State sales tax calculation data tables for all of the states that make up all Canadian provinces are included on this page. This data is current as of October 30, 1994. Simply find your state or province in the tax tables and input the data shown in its table.

Programming Tax Table

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

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

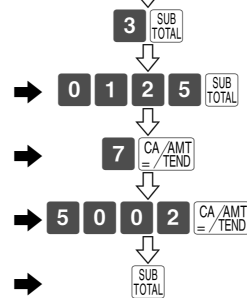
MANITOBA/ SASKATCHEWAN	ONTARIO	N.B. & P.E.I.	QUEBEC
6%	7%	8%	9%
6	7	0	9
5002	5002	1	9002
		3	
		25	
		25	
		31	
		43	
		56	



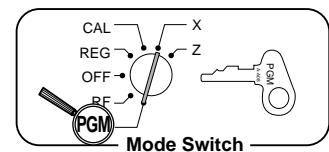
Assign Tax Table 1

7

Terminate program



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

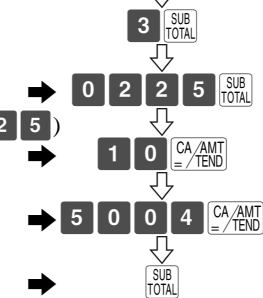


Assign Tax Table 2

(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

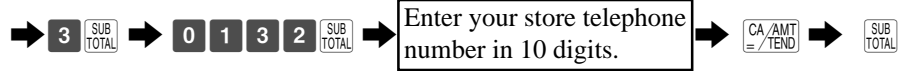
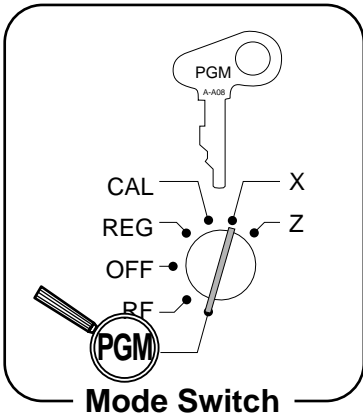
CANADA									
* NOVA SCOTIA	* ONTARIO	* QUEBEC	* NEWFOUNDLAND	* ONTARIO	* BRITISH COLUMBIA	* MANITOBA/ SASKATCHEWAN	* ONTARIO	* N.B. & P.E.I.	* QUEBEC
10%	10%	10%	12%	12%	6%	6%	7%	8%	9%
10	10	10	12	0	0	6	7	0	9
5004	5004	5004	5004	1	1	5002	5002	1	9002
				4	2			3	
				25	14			25	
				25	24			25	
				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

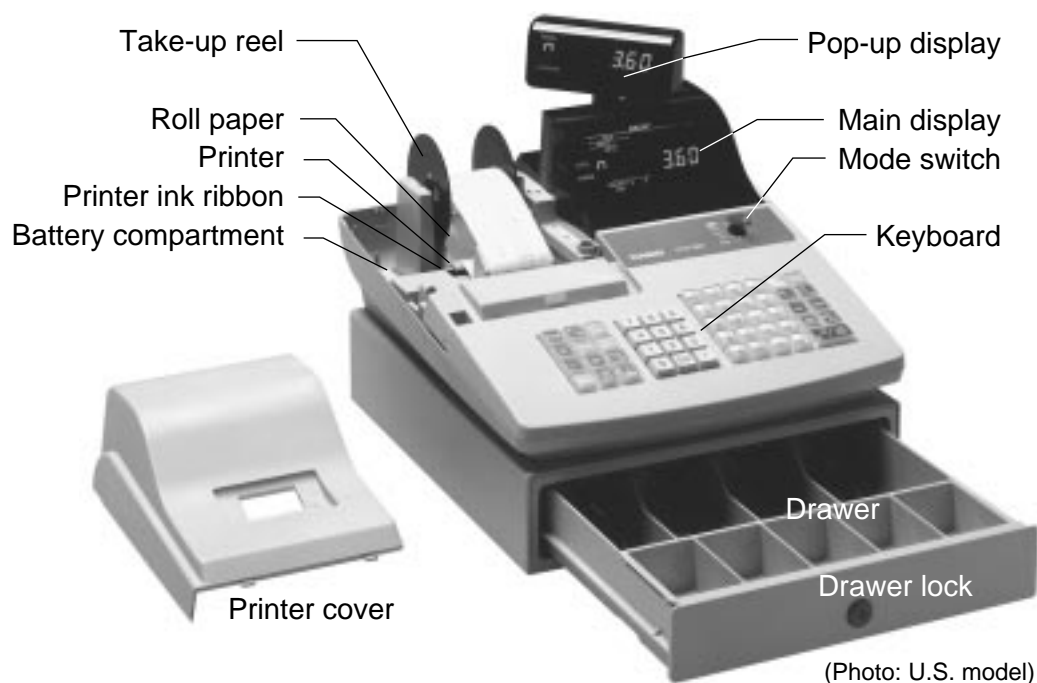
    •29•30 TL
    •50•00 CA AT
    •20•70 CG
    2 No
  
```

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

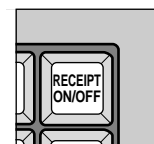
You can use the roll paper to print receipts and a journal (page 10 ~ 13).

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).

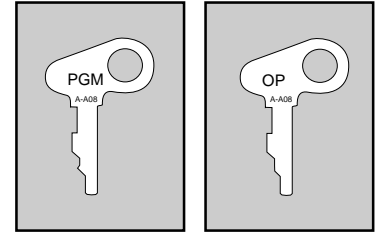


Note: Instead of the receipt on/off switch, receipt issuance is controlled by this key.

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 .

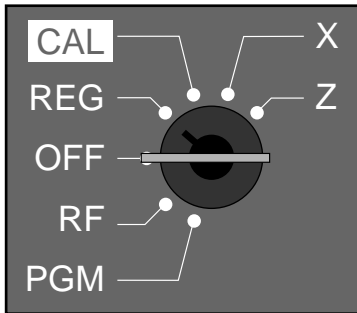


Program key

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

Drawer

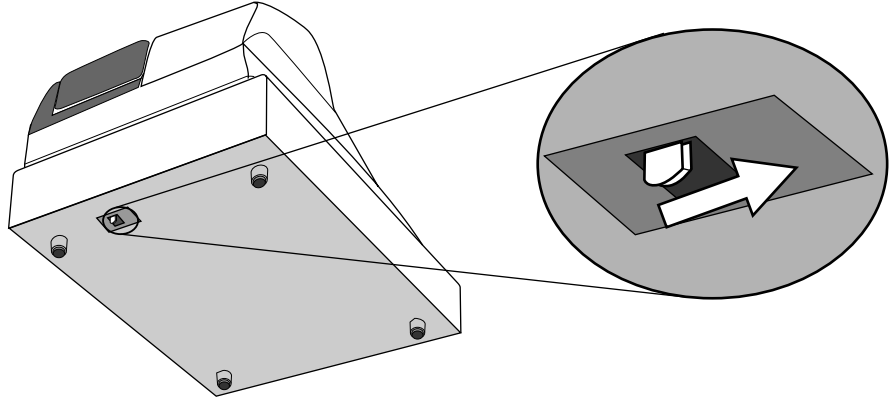
The drawer opens automatically whenever you finalize a registration and whenever you issue a **READ** or **RESET** report. The drawer will not open if it is locked with the drawer key .

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!

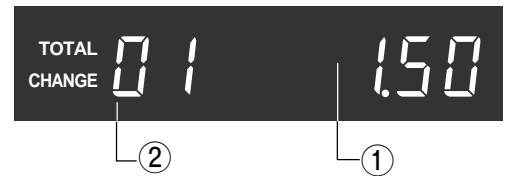
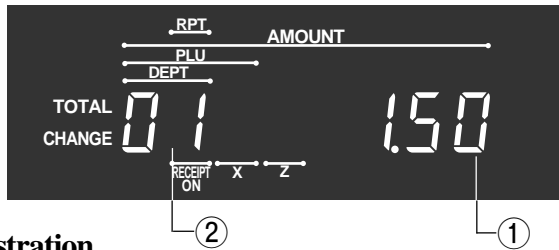
The drawer will not open, if it is locked with a drawer lock key .

Displays

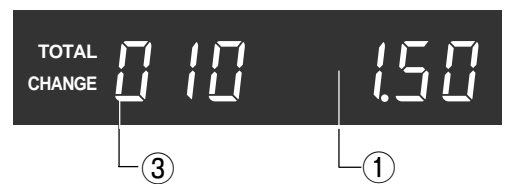
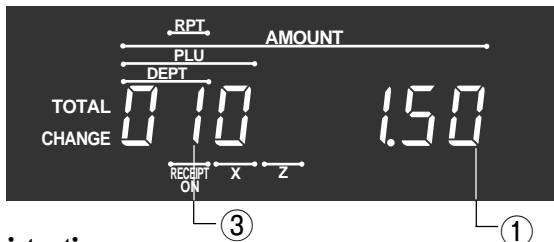
Main Display

Pop-up display

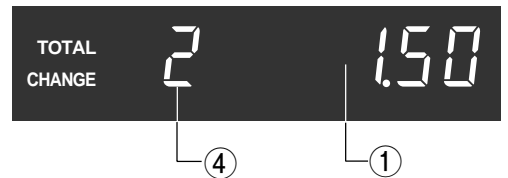
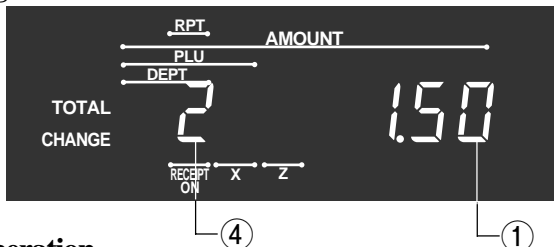
Department registration



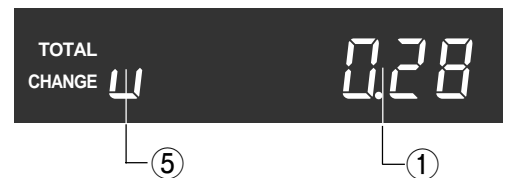
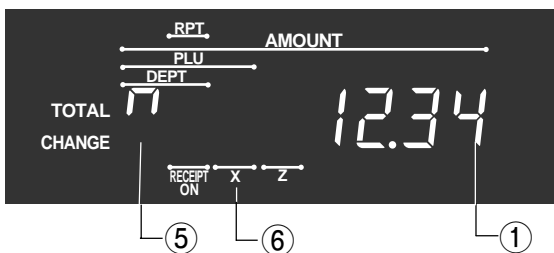
PLU registration



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.

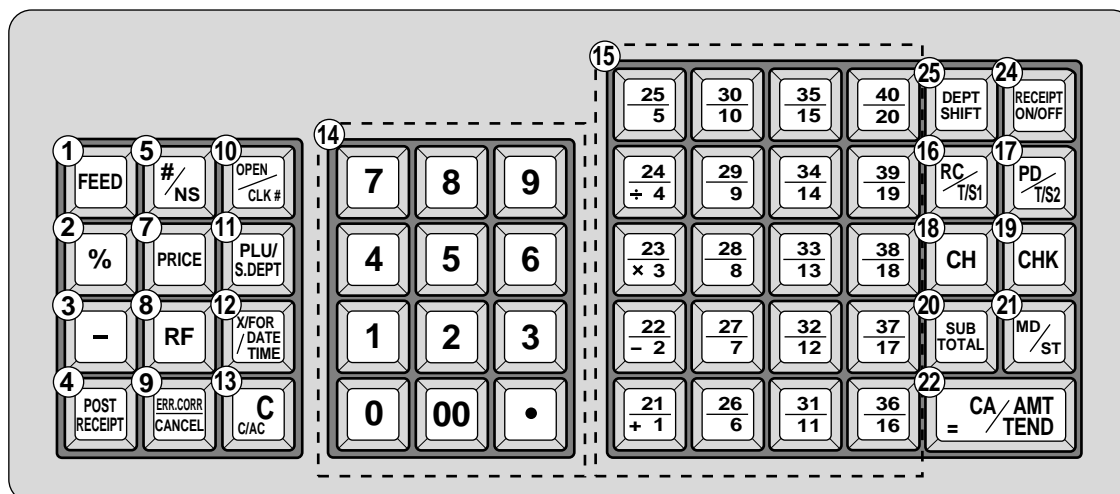
⑥ Receipt ON/OFF, X, Z indicators (Lowest segment)

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

X: Indicates X mode

Z: Indicates Z mode

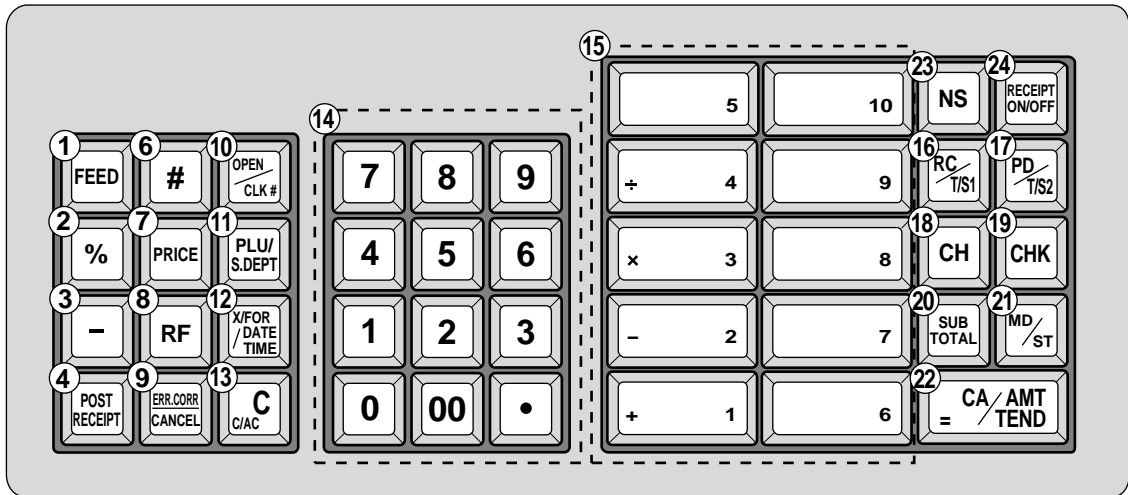
Keyboard (U.S.)



Register Mode

- ① **Paper Feed key**
 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**
 Press this key to produce a post-finalization receipt.
- ⑤ **Non-add/No sale key** (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**
 Use this key to register unit prices for sub-department.
- ⑧ **Refund key**
 Use this key to input refund amounts and void certain entries.
- ⑨ **Error Correct/Cancel key**
 Use this key to correct registration errors and to cancel registration of entire transactions.
- ⑩ **Open/Clerk number key**
 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**
 Use this key to input PLU (sub-department) numbers.
- ⑫ **Multiplication/For/Date/Time key**
 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**
 Use this key to clear an entry that has not yet been registered.
- ⑭ **Ten key pad**
 Use these keys to input numbers.
- ⑮ **Department keys** (U.S.)
 Department keys (Canada)
 Use these keys to register items to departments.
- ⑯ **Received on Account/Tax Status Shift 1 key**
 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**

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**

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

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

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

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

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

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

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** (U.S.)

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

⇒ Dept.1	⇒ Dept.21
⇒ Dept.2	⇒ Dept.22
⇒ Dept.3	⇒ Dept.23
⋮	⋮
⇒ Dept.20	⇒ Dept.40

Calculator Mode

- 2 Percent key**
- 5 Drawer open key** (U.S.)
- 11 Memory recall key**
- 12 Clear key**
- 14 Ten key pad** **0**, **1**, ~ **9**, **00**, **.**
- 15 Arithmetic operation keys** **+**, **-**, **x**, and **÷**
- 22 Equal key**
- 23 Drawer open key** (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)

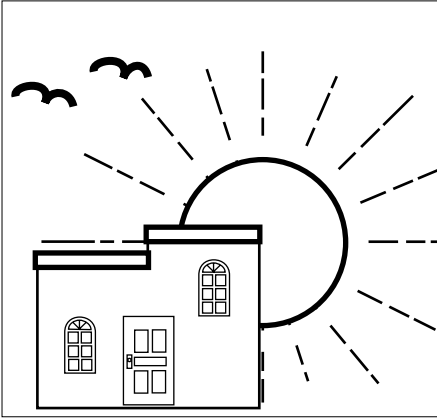
1 12-35	
1234 0025	
10 % -	
-2•00 II	
•10•00 I TA	
•0•40 I TX	
•18•00 II TA	
•0•90 II TX	
•29•30 TL	
•50•00 CA AT	
•20•70 CG	
2 No	

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...



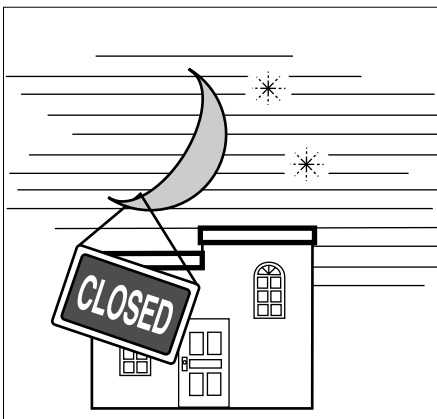
- Check to make sure that the cash register is plugged in securely. Page 10
- Check to make sure there is enough paper left on the roll. Page 11
- Read the financial totals to confirm that they are all zero. Page 72
- Check the date and time. Page 30

DURING business hours...

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



AFTER business hours...

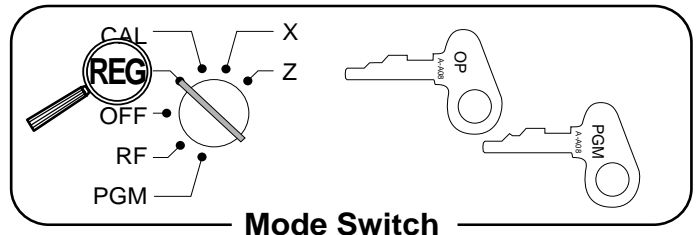


- Reset the daily totals. Page 53
- Remove the journal. Page 82
- Empty the cash drawer and leave it open. Page 23
- Take the cash and journal to the office.





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

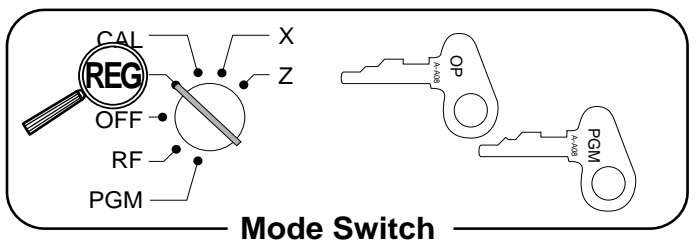
To display and clear the date

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


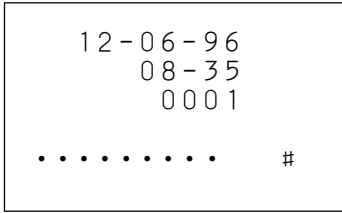
Preparing coins for change

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 **RC** key instead of **#/NS** (**NS**) key. See page 49.)



Opening the drawer without a sale

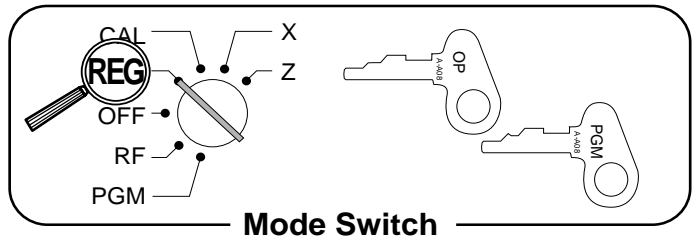
OPERATION	RECEIPT
	

• For Canada, press **NS** key instead of **#/NS** 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./
          Unit price
          • 1.00 CA
    
```

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

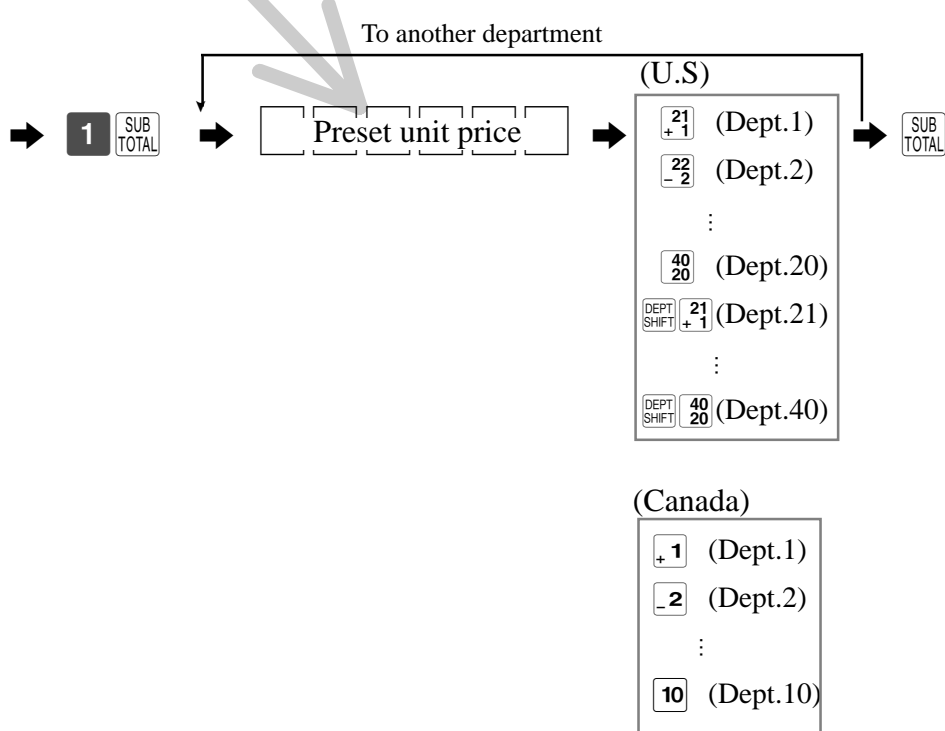
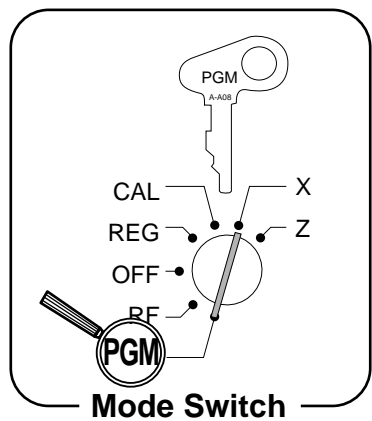
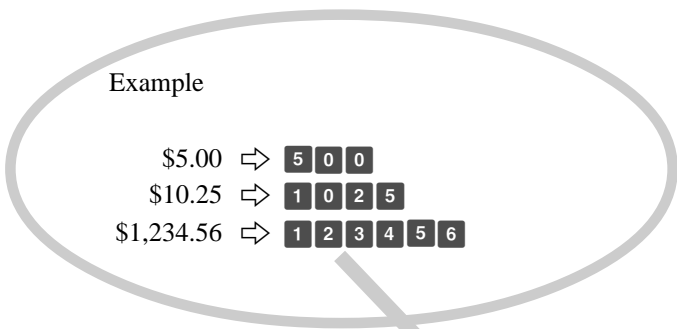
RECEIPT

12-06-96
 09-30
 0007
 3 X
 4
 • 10.00 @
 01 • 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

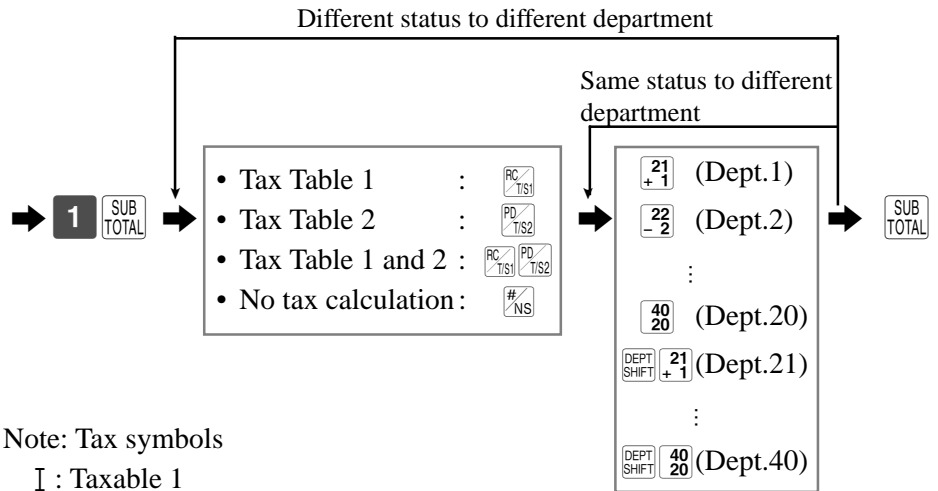
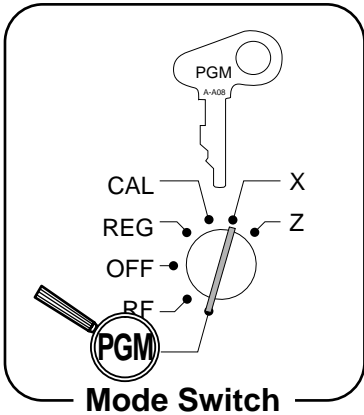
To program the tax calculation status for each department.

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.



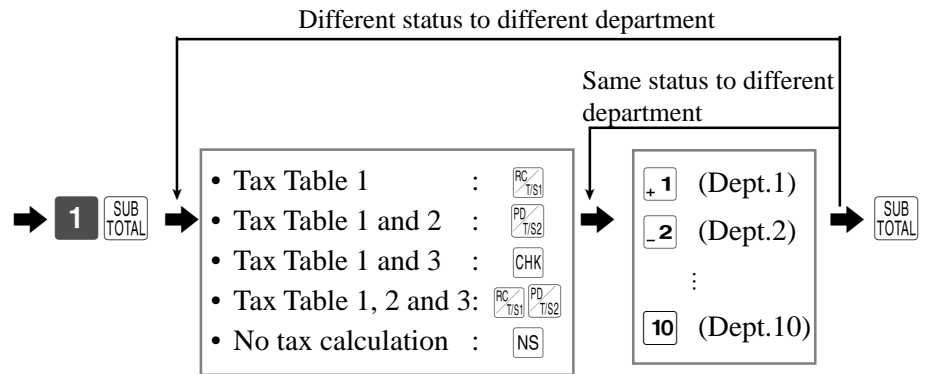
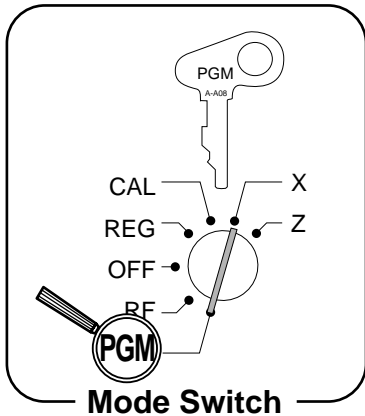
Note: Tax symbols

- 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



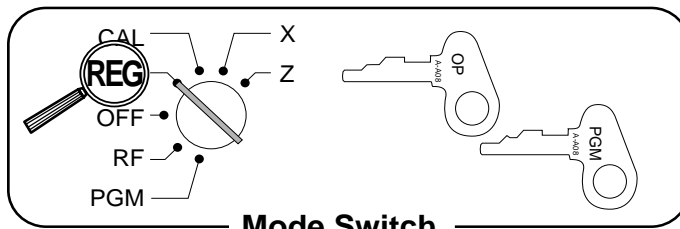
Note: Tax symbols

- 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) _{preset}
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) _{preset}
	Quantity	5
	Dept.	3
	Taxable	(1) _{preset}
Item 2	Unit Price	(\$2.00) _{preset}
	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.

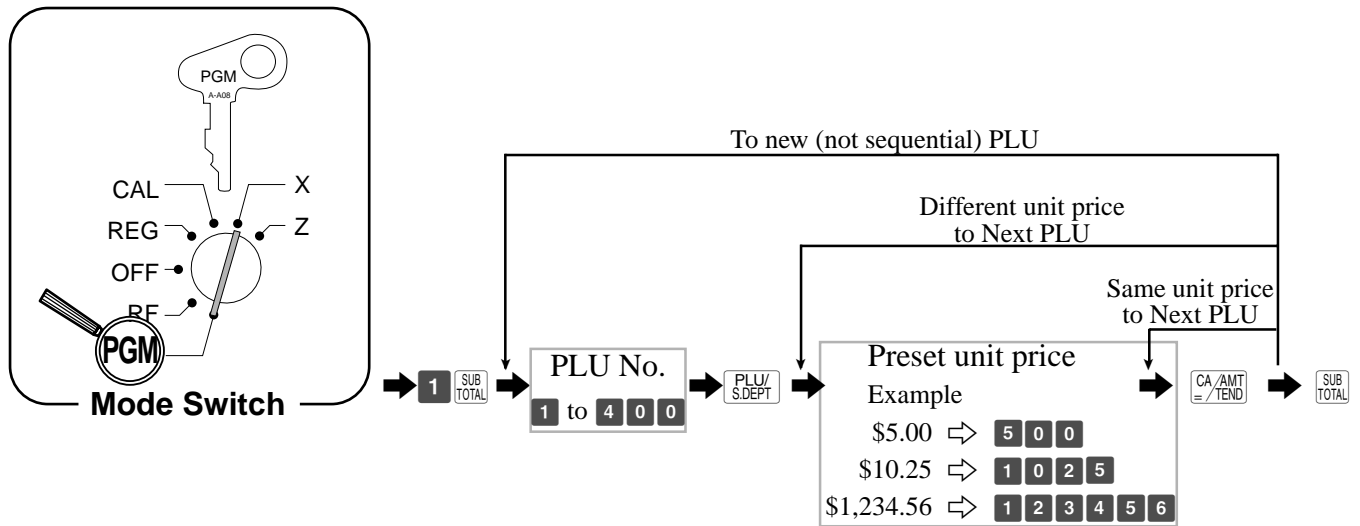
CAUTION:

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

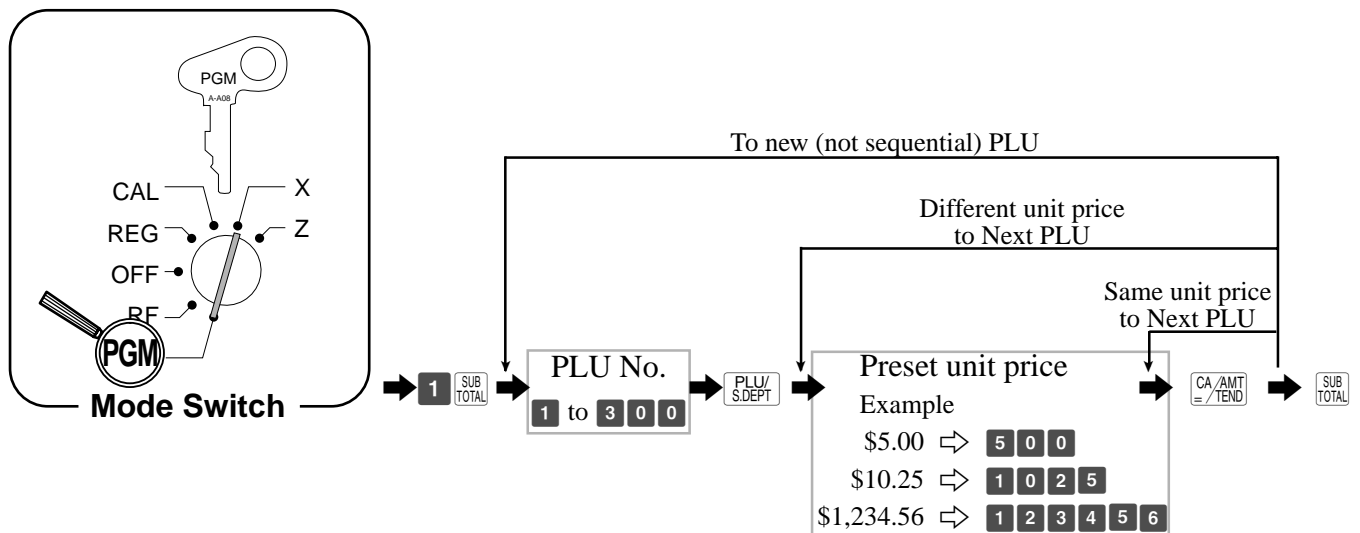
Programming PLUs

To program a unit price for each PLU

U.S.

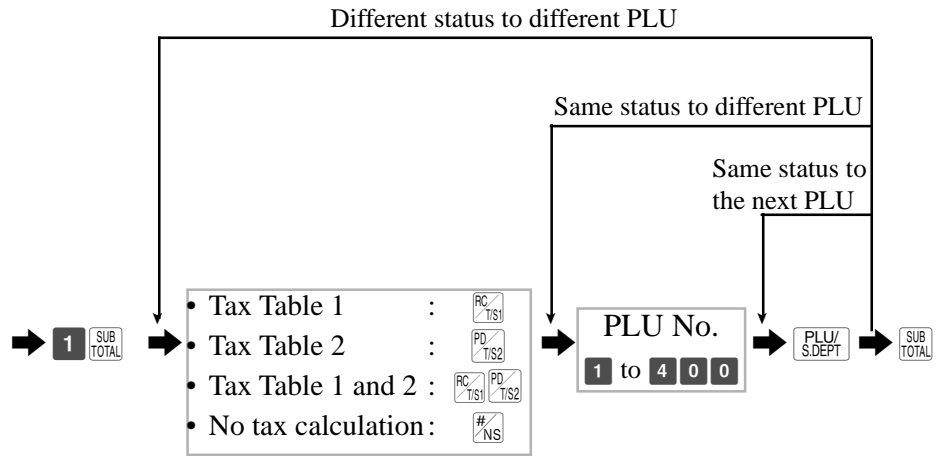
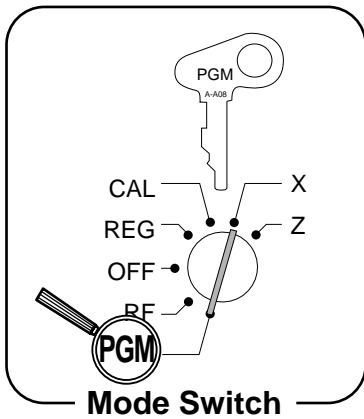


Canada



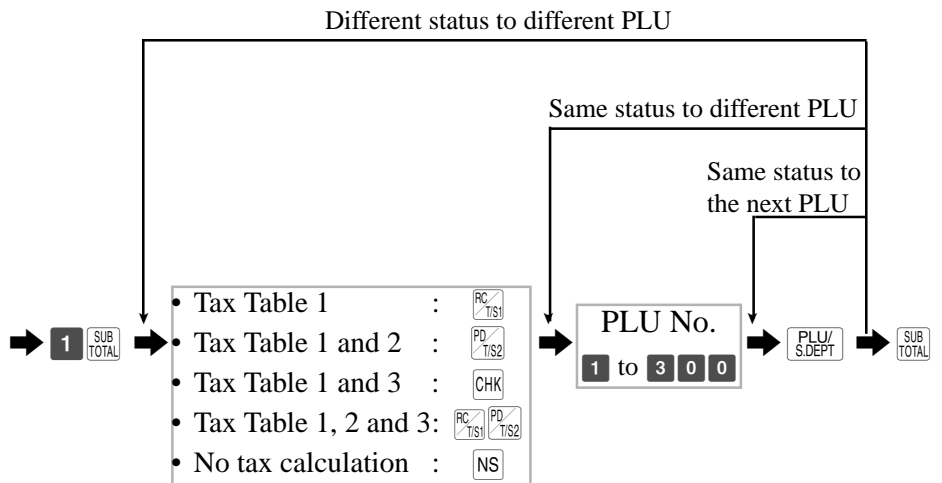
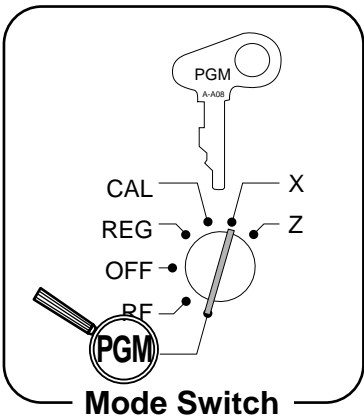
To program tax calculation status for each PLU

U.S.



All PLUs are initialized as no tax calculation.

Canada



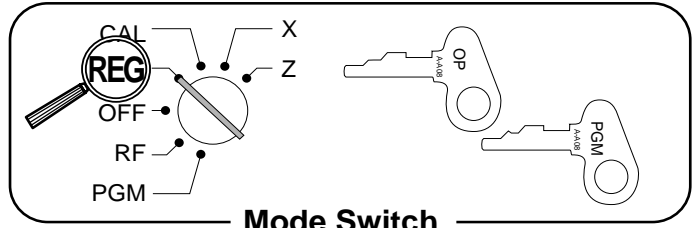
All PLUs are initialized as no tax calculation.

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) _{preset}
Item	Quantity	1
	PLU	14
	Taxable	(2) _{preset}
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) _{preset}
Item	Quantity	3
	PLU	14
	Taxable	(2) _{preset}
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) _{preset}
Item	Quantity	15
	PLU	2
	Taxable	(2) _{preset}
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

	Unit Price	(5for\$20.00) _{preset}
Item	Quantity	3
	PLU	28
	Taxable	(2) _{preset}
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

RECEIPT

```

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
    
```

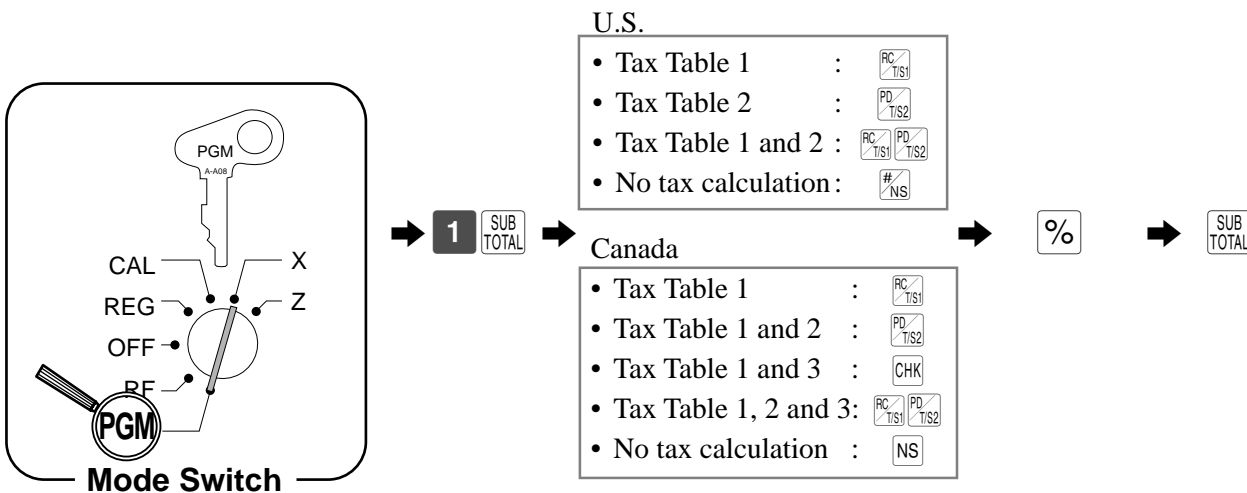
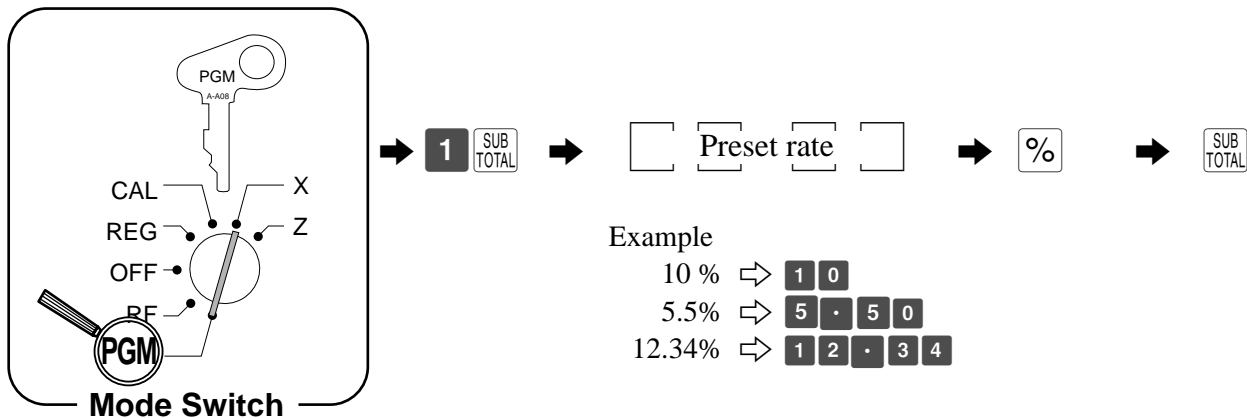
Preparing and using discounts

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

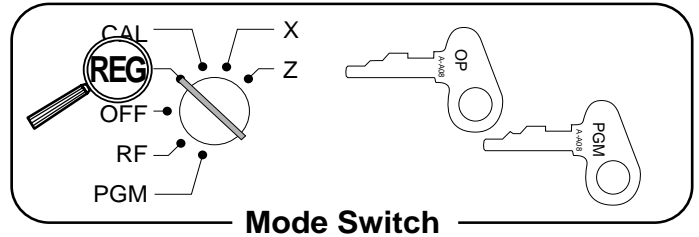


Tax status for the [%] key is initialized as tax 1 and 2. (U.S.)

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

OPERATION

RECEIPT

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

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 ^{SUB}TOTAL.

3 . 5 [%]

The input value takes priority of the preset value.

1 5 00 ^{SUB}TOTAL
CA/AMT
= / TEND

```

12-06-96
 10-40
 0014

01 .5.00 I
016 .10.00 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.

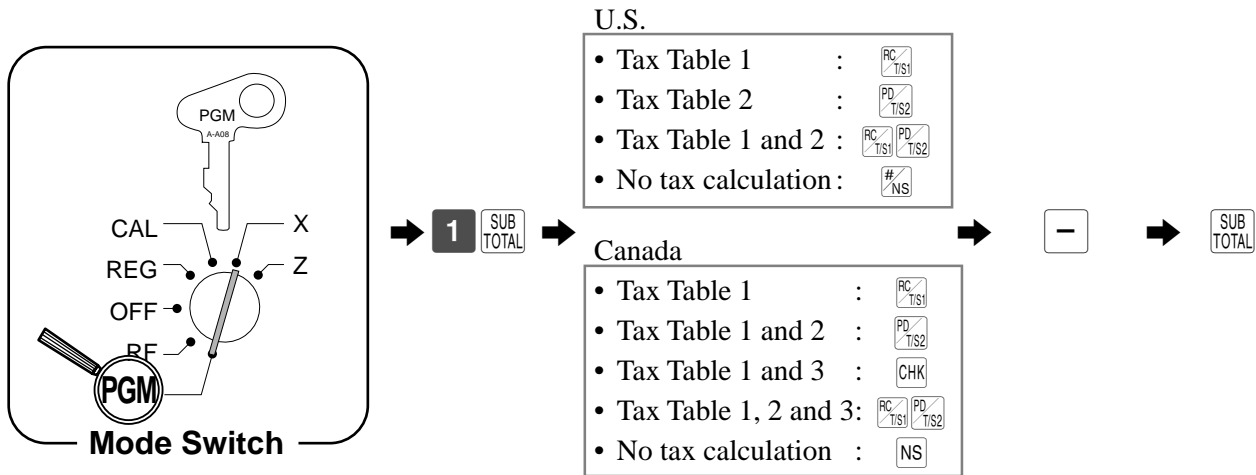
Preparing and using reductions

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.



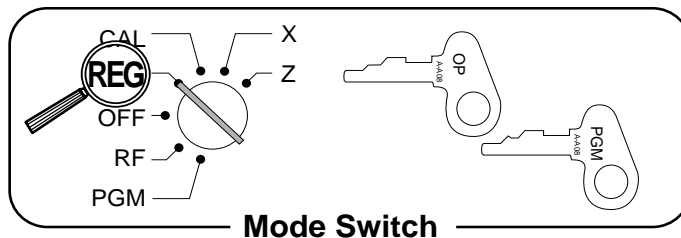
Tax status for the key is initialized as no tax calculation.

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
Reduction	Taxable	(1) _{preset}
	Amount	\$0.25
Item 2	Unit Price	(\$6.00) _{preset}
	Quantity	1
	PLU	45
Reduction	Taxable	(1) _{preset}
	Amount	\$0.50
Payment	Cash	\$11.00

5 00 + 1
 2 5 -
 Reduces the last amount registered by the value input.
 4 5 PLU/S.DEPT
 5 0 -
 SUB TOTAL
 1 1 00 CA/AMT =/TEND

```

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

3 00 + 1
 4 00 - 2
 SUB TOTAL
 7 5 -
 Reduces the subtotal by the value input here.
 SUB TOTAL
 7 00 CA/AMT =/TEND

```

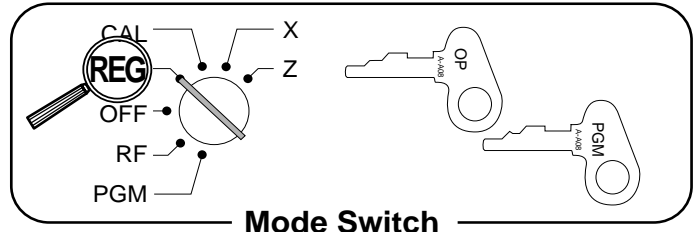
12-06-96
  11-00
   0016

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.



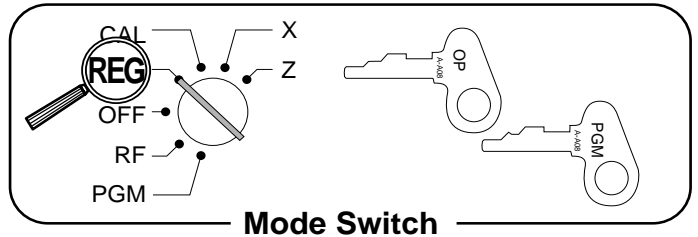
Calculation merchandise subtotal

	OPERATION	DISPLAY
Item 1	Unit Price \$1.00	01 100
	Quantity 1	02 200
	Dept. 1	03 300
	Taxable (1) _{preset}	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) _{preset}	CHANGE U _ 3.74
Item 3	Unit Price \$3.00	RECEIPT 12-06-96 11-10 0017 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
	Quantity 1	
	Dept. 3	
	Taxable (1) _{preset}	
Payment	Cash \$10.00	

• 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) _{preset}
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 RC/T/S1 changes the tax status from Non-taxable to Taxable 1

6 00 × 3
Pressing PD/T/S2 changes the tax status from Taxable 1 to Taxable 1, 2

7 00 ÷ 4
Pressing 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
    
```

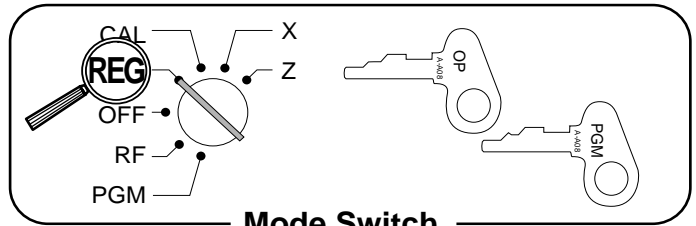
Important!

- To change the tax status of the next item to be registered, be sure to press RC/T/S1 , PD/T/S2 without inputting any value.
- If the last item registered is programmed as non-taxable, a premium/discount (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 RC/T/S1 , 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) _{preset}
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) _{preset}
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) _{preset}
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

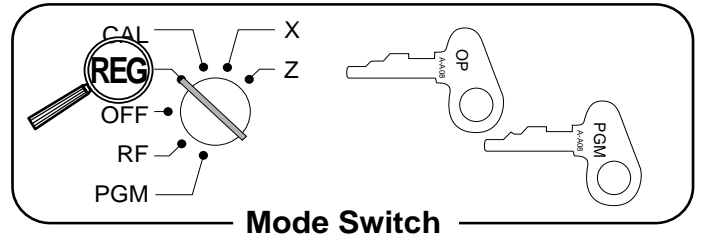
```

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) _{preset}
Item 2	Unit Price	\$2.00
	Quantity	1
	Dept.	2
	Taxable	(2) _{preset}
Item 3	Unit Price	(\$1.20) _{preset}
	Quantity	1
	PLU	1
	Taxable	(2) _{preset}
Returned Item 1	Unit Price	\$2.35
	Quantity	1
	Dept.	1
	Taxable	1
Returned Item 3	Unit Price	(\$1.20) _{preset}
	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

```

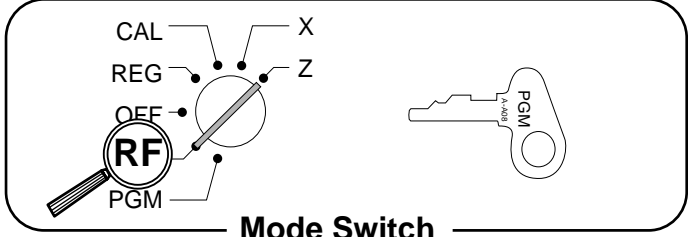
12-06-96
 12-00
 0022

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

Returned Item 1	Unit Price	\$1.50
	Quantity	2
	Dept.	1
	Taxable	1
Returned Item 2	Unit Price	(\$1.20) _{preset}
	Quantity	6
	PLU	2
	Taxable	2
Payment	Cash	\$10.68

1 5 0 + 1
+ 1
6 X FOR DATE / TIME
2 PLU / S.DEPT
SUB TOTAL
CA / AMT = / TEND

```

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
    
```

Reduction of Amounts Paid on Refund

OPERATION

RECEIPT

Returned Item 1	Unit Price	\$4.00
	Quantity	1
	Dept.	3
	Taxable	1
Reduction	Amount	\$0.15
Returned Item 2	Unit Price	(\$1.20) _{preset}
	Quantity	1
	PLU	2
	Taxable	2
Discount	Rate	(5%) _{preset}
Payment	Cash	\$5.21

4 00 x 3
1 5 -
2 PLU / S.DEPT
%
SUB TOTAL
CA / AMT = / TEND

```

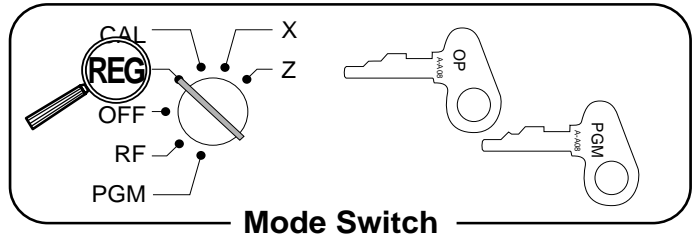
12-06-96
 12-20
 0024 RF
03  .4.00 I
    -0.15
002 .1.20 II
    5 % -
    -0.06 II
    .4.00 I TA
    .0.16 I TX
    .1.14 II TA
    .0.06 II TX
    .5.21 CA
    
```

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.

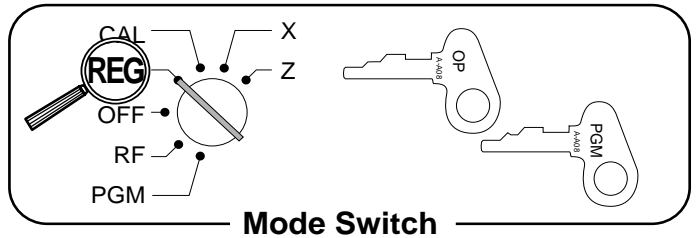
RECEIPT

```

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

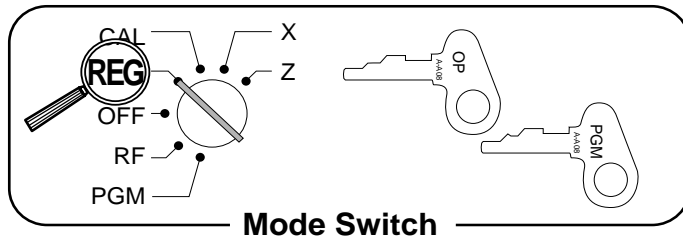
```

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] CIAC</p> <p>1 00 [+ 1]</p> <p>1 2 [X/FOR DATE TIME] [C] CIAC</p> <p>1 1 [X/FOR DATE TIME]</p> <p>2 00 [- 2]</p> <p>2 [C] CIAC</p> <p>3 [PLU/S.DEPT]</p> <p>1 5 [PLU/S.DEPT]</p> <p>6 00 [C] CIAC</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] CIAC</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

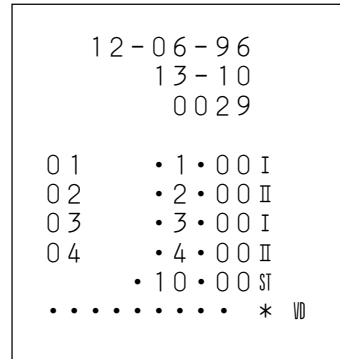
OPERATION



Pressing key is necessary to cancel the transaction.



RECEIPT



Important!

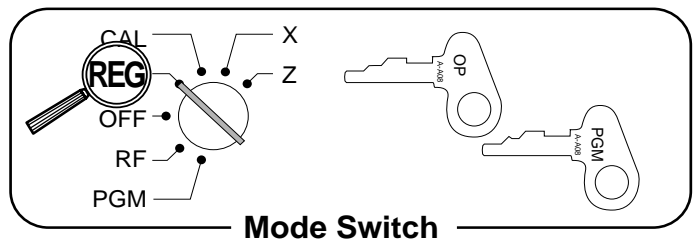
- Note that the number of items included in the transaction to be cancelled is limited (12 ~ 15 items), depending on the complexity of the transaction. If you try to cancel a transaction that exceeds the limit, an error occurs.

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

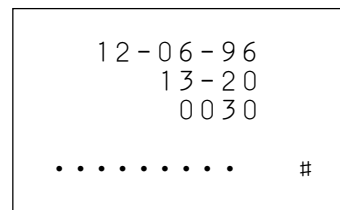
You can use the following procedure to open the drawer without registering a sale. This operation must be performed out of a sale.



OPERATION



RECEIPT



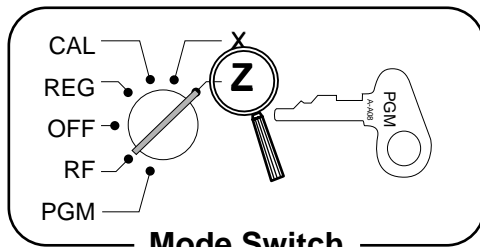
*1For Canada, press instead of key.

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* ¹
•339•50	—	
02 19	—	Department amount* ¹
•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* 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 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* ³
•108•52 *	VD	—	Refund mode operation count* ³
7 No	—	—	Refund mode operation amount* ³
•27•79 RF	—	—	Refund mode operation amount* ³
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 grand-sales total
001217•63	—	—	Non-resettable grand-sales total

*¹ Zero totaled 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.

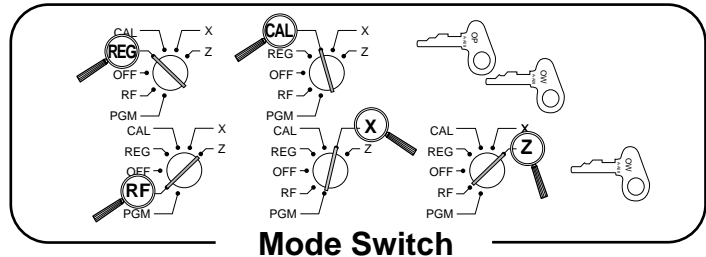
Convenient Operations and Setups

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

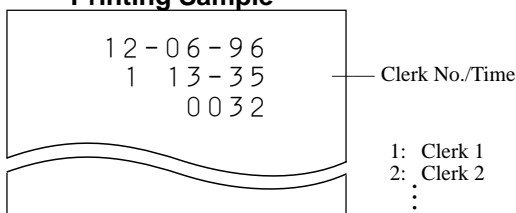
OPERATION

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.

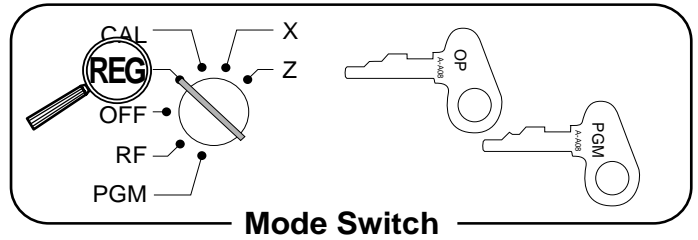
Note that all of the following conditions must be satisfied.

- 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
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

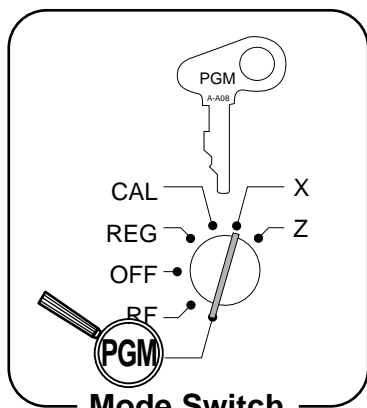
The following points are the contents of general printing control.

- 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	



Programming compulsory and clerk control function

About compulsory, clerk control function...

The following procedure lets you program a number of functions.

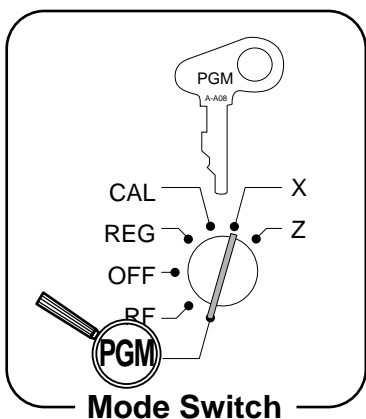
- Use **OPEN/CLK#** key as "Clerk" key/"Open" key.*¹
- Assign "00"key/Assign "000" key.
- Reset/Not reset (to 0001) the consecutive number when the Daily RESET report is issued.
- Required/Not required to input the cash in drawer amount before the daily READ/RESET report. (MONEY DECLARATION)
- Prohibit/Allow 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.

*¹ 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 SUB/TOTAL 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

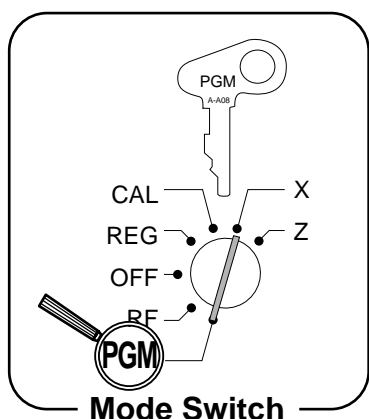
The following procedure lets you program a number of functions.

- 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

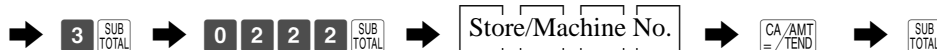
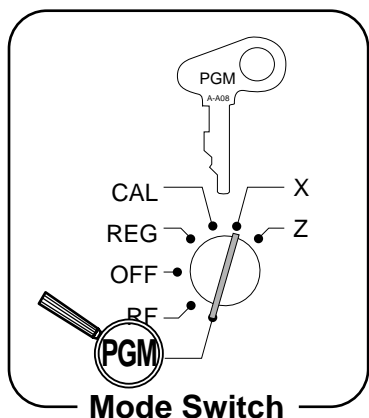
default

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	

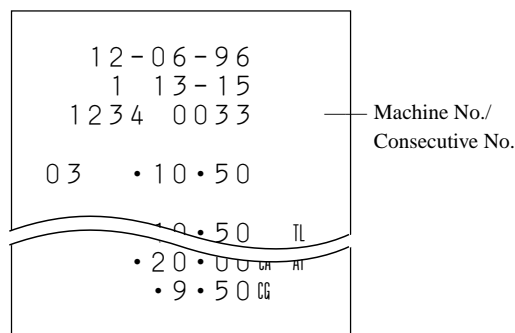


Setting a store/machine number

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.

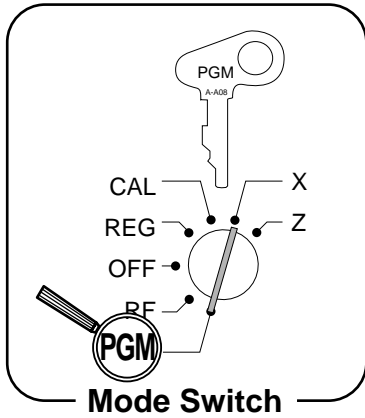


Setting/Editing the store telephone number

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.



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

1 2 - 0 6 - 9 6

To print

1 2 3
4 5 6 - 7 8 9

→ Enter as 1 2 3 [POST RECEIPT] 4 5 6 - 7 8 [POST RECEIPT] 9

1 2 - 0 6 - 9 6

To print

1 2 3 4 5 6 7 8 9
0 1 2 3 4

→ Enter as 1 2 3 4 5 6 7 8 9 0 1 2 3 4

1 2 - 0 6 - 9 6

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) _{preset}
	Max.digit	(3) _{preset}
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) _{preset}
	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

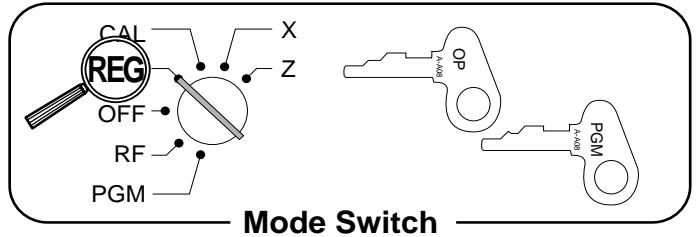
          • 7•35 CA
    
```

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

RECEIPT

Item	Unit Price	\$6.00
	Quantity	1
	Sub-Dept.	15
	Taxable	(1) _{preset}
Payment	Cash	\$10.00

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

1 0 00

```

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

RECEIPT

Item 1	Unit Price	(\$3.00) _{preset}
	Quantity	3
	Sub-Dept.	15
	Taxable	(1) _{preset}
Item 2	Unit Price	\$2.00
	Quantity	2
	Sub-Dept.	15
	Taxable	(1) _{preset}
Payment	Cash	\$20.00

1 5

 Hit without a unit price recalls preset price.

1 5
2 00

2 0 00

```

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) _{preset}
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) _{preset}
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.

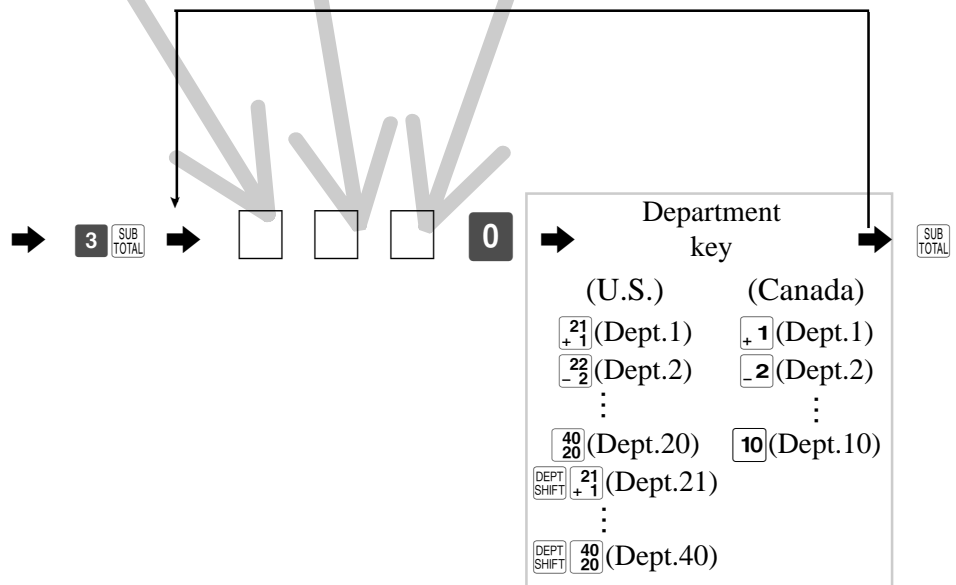
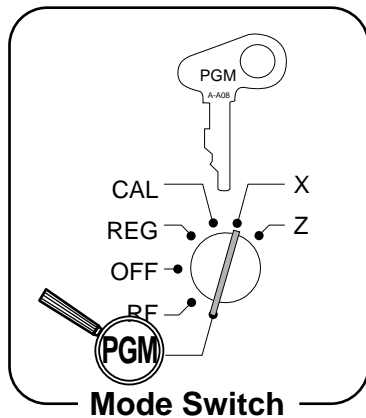
- No limit ⇨ **0**
- 1 digit ⇨ **1**
- 2 digits ⇨ **2**
- ⋮
- 5 digits ⇨ **5**
- 6 digits ⇨ **6**
- Manual input not allowed ⇨ **9**

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**

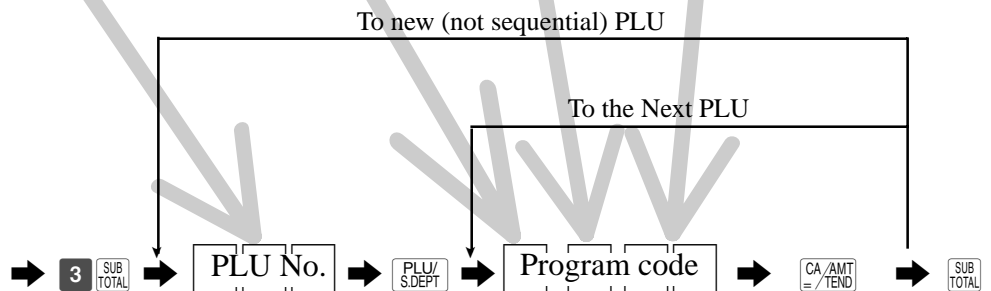
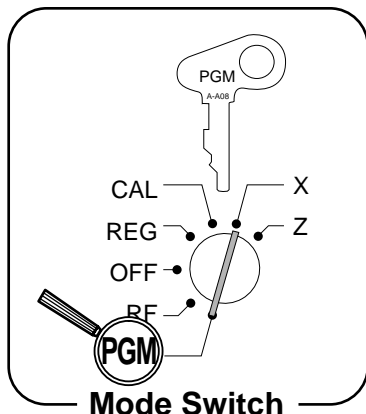
Linked department

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**

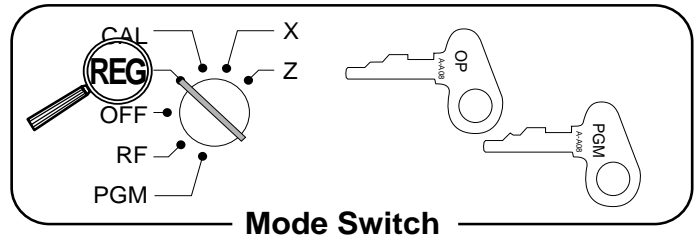
PLU No.

- 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.



Mode Switch

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																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="4" style="text-align: center;">Item 1</td> <td>Unit Price</td> <td style="text-align: right;">(\$10.00)_{preset}</td> </tr> <tr> <td>Quantity</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Dept.</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Taxable</td> <td style="text-align: center;">(2)_{preset}</td> </tr> <tr> <td style="text-align: center;">Premium</td> <td>Rate</td> <td style="text-align: center;">7%</td> </tr> <tr> <td rowspan="4" style="text-align: center;">Item 2</td> <td>Unit Price</td> <td style="text-align: right;">(\$5.00)_{preset}</td> </tr> <tr> <td>Quantity</td> <td style="text-align: center;">1</td> </tr> <tr> <td>PLU</td> <td style="text-align: center;">32</td> </tr> <tr> <td>Taxable</td> <td style="text-align: center;">(2)_{preset}</td> </tr> <tr> <td style="text-align: center;">Subtotal</td> <td>Rate</td> <td style="text-align: center;">(5%)_{preset}</td> </tr> <tr> <td style="text-align: center;">premium</td> <td>Taxable</td> <td style="text-align: center;">(1 and 2)_{preset}</td> </tr> <tr> <td style="text-align: center;">Payment</td> <td>Cash</td> <td style="text-align: right;">\$20.00</td> </tr> </table>	Item 1	Unit Price	(\$10.00) _{preset}	Quantity	1	Dept.	4	Taxable	(2) _{preset}	Premium	Rate	7%	Item 2	Unit Price	(\$5.00) _{preset}	Quantity	1	PLU	32	Taxable	(2) _{preset}	Subtotal	Rate	(5%) _{preset}	premium	Taxable	(1 and 2) _{preset}	Payment	Cash	\$20.00	<div style="margin-bottom: 20px;"> <p style="text-align: right;">4 \div</p> <p style="text-align: right;">7 %</p> <p>Applies the input value as a premium rate (7%).</p> </div> <div style="margin-bottom: 20px;"> <p style="text-align: right;">3 2 PLU/S.DEPT</p> <p>For this operation, hit this key instead of SUB TOTAL.</p> </div> <div style="margin-bottom: 20px;"> <p style="text-align: right;">%</p> <p>Applies the preset premium rate (5%) to the subtotal.</p> </div> <div style="margin-bottom: 20px;"> <p style="text-align: right;">2 0 00 SUB TOTAL</p> <p style="text-align: right;">=/TEND</p> </div>	<pre style="font-family: monospace; font-size: 1.2em;"> 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 </pre>
Item 1		Unit Price	(\$10.00) _{preset}																													
		Quantity	1																													
		Dept.	4																													
	Taxable	(2) _{preset}																														
Premium	Rate	7%																														
Item 2	Unit Price	(\$5.00) _{preset}																														
	Quantity	1																														
	PLU	32																														
	Taxable	(2) _{preset}																														
Subtotal	Rate	(5%) _{preset}																														
premium	Taxable	(1 and 2) _{preset}																														
Payment	Cash	\$20.00																														

- 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

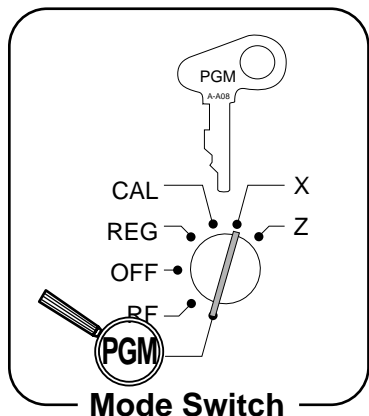
Tax rounding method

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



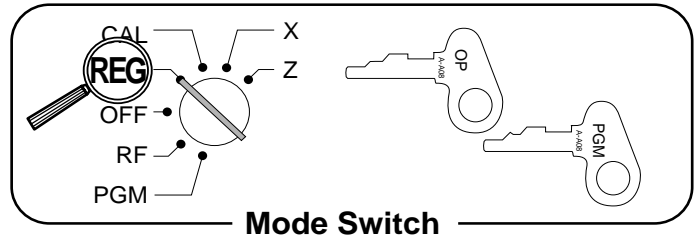
Registering manually entered tax amounts

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
 SUB TOTAL
 3 2 00 CA/AMT =/TEND

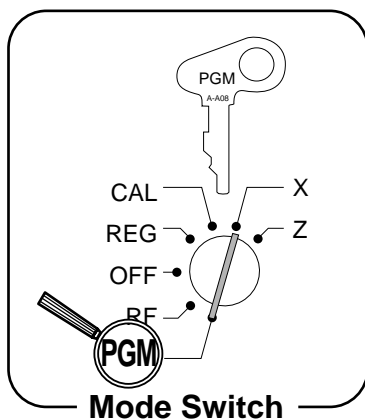
```

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
    
```

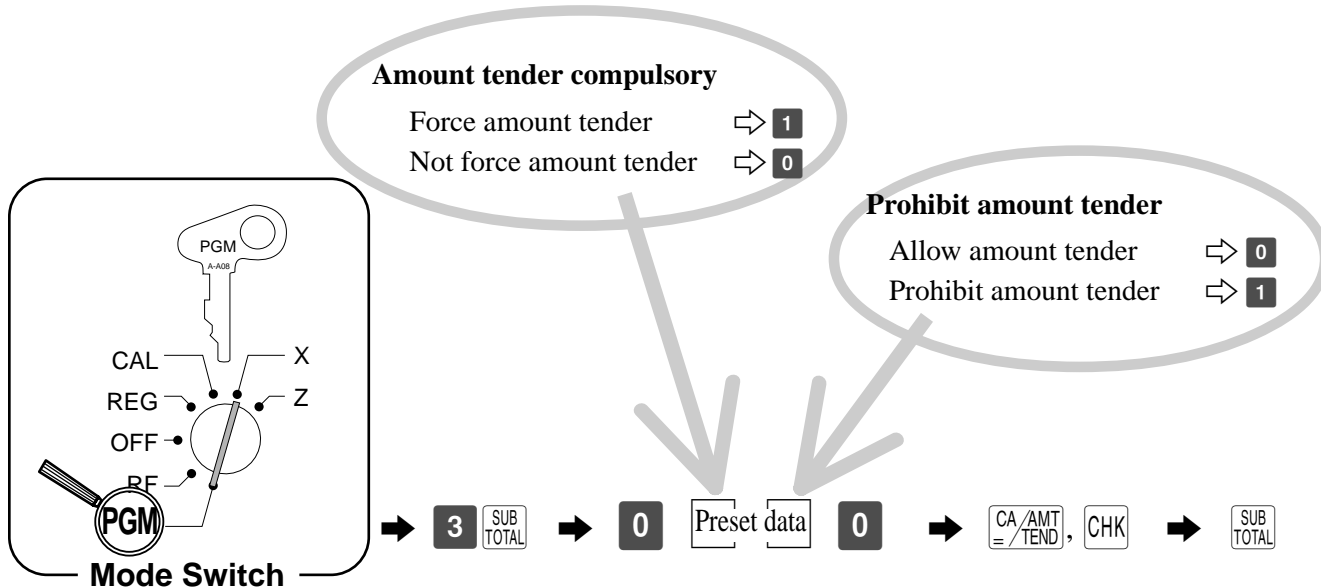
Programming for manually input tax registration



→ 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

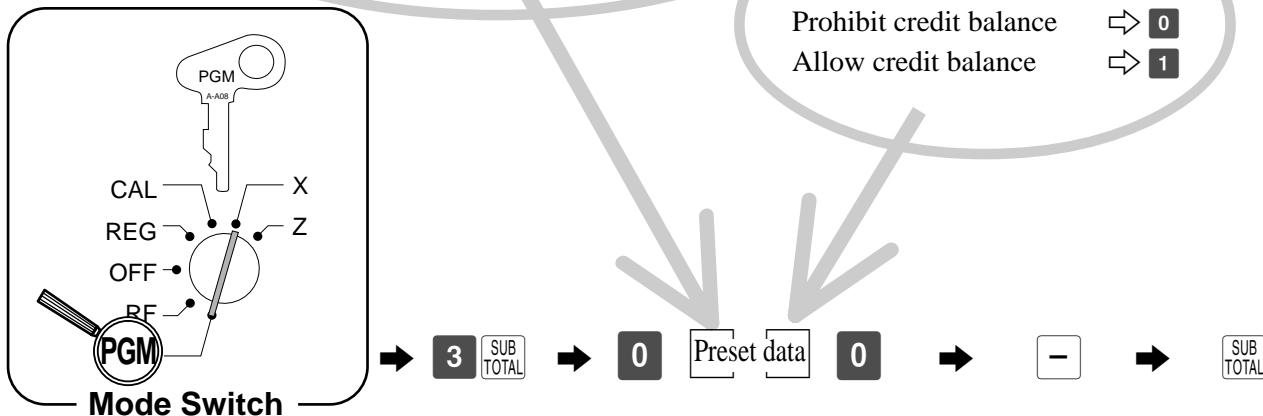
Tax calculation status

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

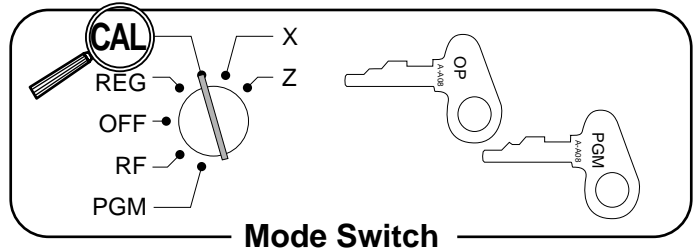
Credit balance

- 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																								
<table border="1"> <tr> <td rowspan="4">Item 1</td> <td>Unit Price</td> <td>\$10.00</td> </tr> <tr> <td>Quantity</td> <td>1</td> </tr> <tr> <td>Dept.</td> <td>1</td> </tr> <tr> <td>Taxable</td> <td>(1)_{preset}</td> </tr> <tr> <td rowspan="4">Item 2</td> <td>Unit Price</td> <td>\$20.00</td> </tr> <tr> <td>Quantity</td> <td>1</td> </tr> <tr> <td>Dept.</td> <td>2</td> </tr> <tr> <td>Taxable</td> <td>(1)_{preset}</td> </tr> <tr> <td colspan="2">Payment by 3 persons</td> <td></td> </tr> <tr> <td>Cash</td> <td>\$10.40_{each}</td> <td></td> </tr> </table>	Item 1	Unit Price	\$10.00	Quantity	1	Dept.	1	Taxable	(1) _{preset}	Item 2	Unit Price	\$20.00	Quantity	1	Dept.	2	Taxable	(1) _{preset}	Payment by 3 persons			Cash	\$10.40 _{each}		<p>Mode Switch</p> <p></p> <p></p> <p></p> <p>Memory recall: Recalls subtotal amount</p> <p></p> <p>Divide the subtotal by 3 persons.</p> <p>Mode Switch</p> <p></p> <p>Memory recall: Recalls the result amount</p> <p></p> <p></p> <p></p> <p></p>	
Item 1		Unit Price	\$10.00																							
		Quantity	1																							
		Dept.	1																							
	Taxable	(1) _{preset}																								
Item 2	Unit Price	\$20.00																								
	Quantity	1																								
	Dept.	2																								
	Taxable	(1) _{preset}																								
Payment by 3 persons																										
Cash	\$10.40 _{each}																									

Convenient Operations and Setups

Convenient Operations and Setups

Note:

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

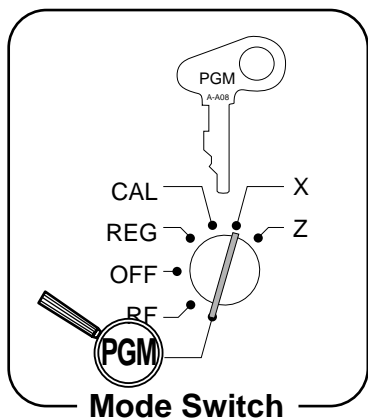
Programming calculator mode control

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

- Open/Not open the cash drawer when the "Equal" key (CA/AMT =/TEND key on the keyboard) is pressed.
- Open/Not open the cash drawer when the "Drawer open" key (\# / NS or 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 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 \# / NS / NS (drawer open) key is pressed in CAL mode.	b	Not open = 0 Open = 2	
Print/Skip the 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

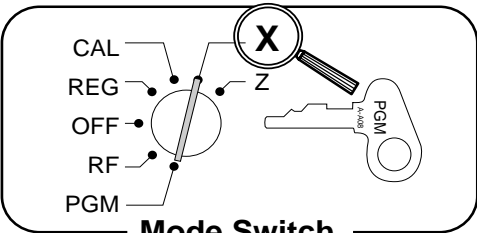
This report shows sales for specific departments.

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

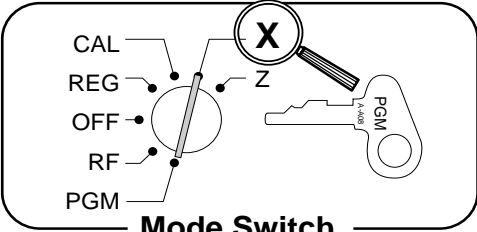
To print the individual PLU/sub-department READ report

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

OPERATION	REPORT																								
 <p>Mode Switch</p> <p>Specifying a PLU/Sub-department by its code</p> <p>(1 ~ 4 00)^{*1}</p> <p>PLU/SDEPT ^{*2}</p> <p>If you want to read any other PLU/Sub-department, continue specifying codes...</p> <p>SUB TOTAL</p> <p>After you finish to select PLU/Sub-department, press SUB TOTAL 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>^{*1} 1 ~ 3 00 for Canada</p> <p>^{*2} Press PLU/SDEPT 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>Mode Switch</p> <p>Money declaration ^{*2}</p> <p>(Cash in drawer amount #/NS, NS)</p> <p>X/FOR DATE TIME</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																										

^{*2} 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.

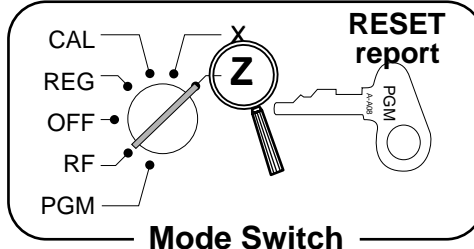
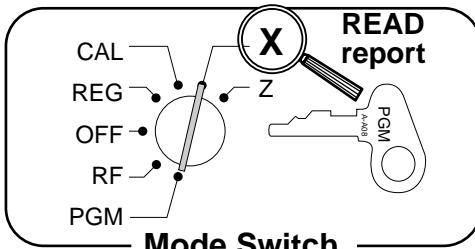
Note that if money declaration is required by programming (page 57), you cannot skip this procedure.

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	
7 No	Refund key count*4
• 27 • 79 RF	
2 No	Refund mode operation count*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
001217 • 63	total (RESET report only)

*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.

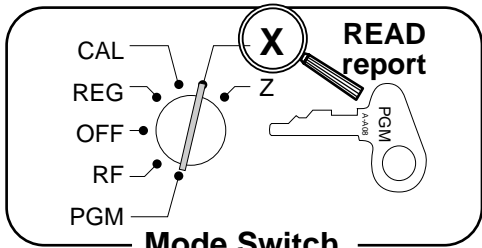
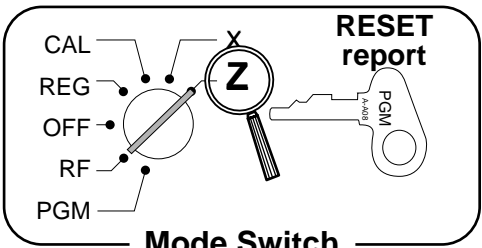
*4 These items can be skipped by programming.

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

Convenient Operations and Setups

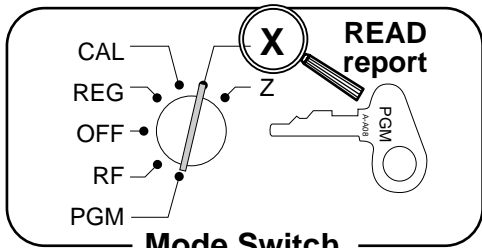
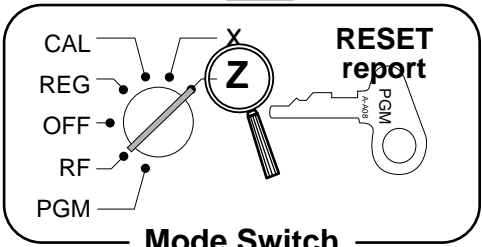
To print the PLU/sub-department READ/RESET report

This report shows sales for PLUs/sub-departments.

OPERATION	REPORT																																		
 <p>Mode Switch</p> <p>1 CA/AMT = /TEND</p>	<table border="1"> <tr> <td>12-06-96</td> <td>Date</td> </tr> <tr> <td>1 16-20</td> <td>Clerk No./Time</td> </tr> <tr> <td>1234 0050</td> <td>Machine No./Consecutive No.</td> </tr> <tr> <td>001 X</td> <td>READ symbol (RESET symbol and counter are printed on RESET report)</td> </tr> <tr> <td>001 21</td> <td rowspan="2">PLU/Sub-department No./ No. of items</td> </tr> <tr> <td>•27•30</td> </tr> <tr> <td>002 12</td> <td rowspan="2">PLU/Sub-department amount</td> </tr> <tr> <td>•36•00</td> </tr> <tr> <td>003 13</td> <td rowspan="2">PLU/Sub-department amount</td> </tr> <tr> <td>•65•36</td> </tr> <tr> <td>004 68</td> <td rowspan="2">PLU/Sub-department amount</td> </tr> <tr> <td>•47•94</td> </tr> <tr> <td>005 13</td> <td rowspan="2">PLU/Sub-department amount</td> </tr> <tr> <td>•76•00</td> </tr> <tr> <td>102 12</td> <td rowspan="2">PLU/Sub-department amount</td> </tr> <tr> <td>•24•00</td> </tr> <tr> <td>150 13</td> <td rowspan="2">PLU/Sub-department amount</td> </tr> <tr> <td>•33•34</td> </tr> <tr> <td>.....</td> <td rowspan="2">Total No. of items</td> </tr> <tr> <td>246</td> </tr> <tr> <td>•3128•30 TL</td> <td>Total amount</td> </tr> </table>	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
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																																		
 <p>Mode Switch</p> <p>1 CA/AMT = /TEND</p>																																			

To print the hourly sales READ/RESET report

This report shows hourly breakdowns of sales.

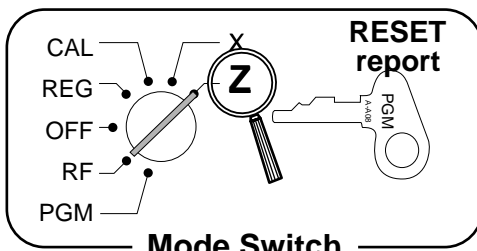
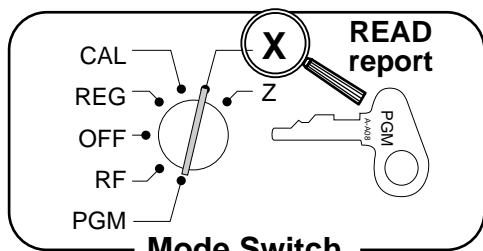
OPERATION	REPORT																												
 <p>Mode Switch</p> <p>2 CA/AMT = /TEND</p>	<table border="1"> <tr> <td>12-06-96</td> <td>Date</td> </tr> <tr> <td>1 16-30</td> <td>Clerk No./Time</td> </tr> <tr> <td>1234 0051</td> <td>Machine No./Consecutive No.</td> </tr> <tr> <td>002 X</td> <td>READ symbol (RESET symbol and counter are printed on RESET report)</td> </tr> <tr> <td>10-11</td> <td rowspan="2">Time zone</td> </tr> <tr> <td>17 No</td> </tr> <tr> <td>•171•83</td> <td rowspan="2">No. of customers</td> </tr> <tr> <td>11-12</td> </tr> <tr> <td>21 No</td> <td rowspan="2">Amount</td> </tr> <tr> <td>•96•20</td> </tr> <tr> <td>•331•00</td> <td rowspan="2">Amount</td> </tr> <tr> <td>20-21</td> </tr> <tr> <td>11 No</td> <td rowspan="2">Amount</td> </tr> <tr> <td>•96•20</td> </tr> <tr> <td>.....</td> <td rowspan="2">Total No. of items</td> </tr> <tr> <td>246</td> </tr> <tr> <td>•3128•30 TL</td> <td>Total amount</td> </tr> </table>	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	Amount	20-21	11 No	Amount	•96•20	Total No. of items	246	•3128•30 TL	Total amount
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	Amount																												
20-21																													
11 No	Amount																												
•96•20																													
.....	Total No. of items																												
246																													
•3128•30 TL	Total amount																												
 <p>Mode Switch</p> <p>2 CA/AMT = /TEND</p>																													

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
01 15	Department No./No. of items*1
• 339.50	Department amount*1
02 19	
• 0.70	
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.

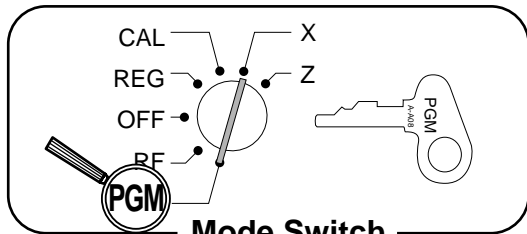
*3 These items can be skipped by programming.

Printing the cash register's program

To print programming (except PLU)

OPERATION

REPORT



Mode Switch

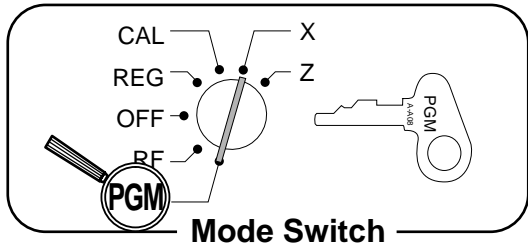


12-06-96	Date
09-15	Time
1234 0005	Machine No./Consecutive No.
X	READ symbol
01 •1•00 I @	Dept. No./Unit price/Tax status
0112	Single item status/Listing capacity ^{*1}
02 •2•00 II @	
0212	
03 •3•00 III @	
0312	
40•00 I @	
0112	
0000 CA	Cash key programming
0000 CH	Charge key programming
0000 CK	Check 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 ^{*1}
0000	
0225	
0 %	
0000	Tax table 2 ^{*1}
02	
0032	
0325	
10•25 %	
5002	Tax table 3 ^{*1}
0000	
0132	
801-	Tel. number
127-4567	
12-06-96	Date

^{*1} 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* ¹
0012	— Single item status/Link dept.* ¹
002 • 2.00 II @	
0012	
003 • 3.00 III @	
0012	
004 • 4.00 I @	
0012	
<hr/>	
12-06-96	— Date

*¹ PLU without being programmed is not printed on this report.

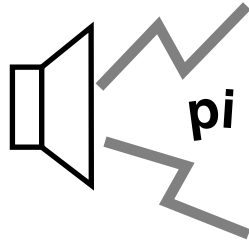
Troubleshooting

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
↓

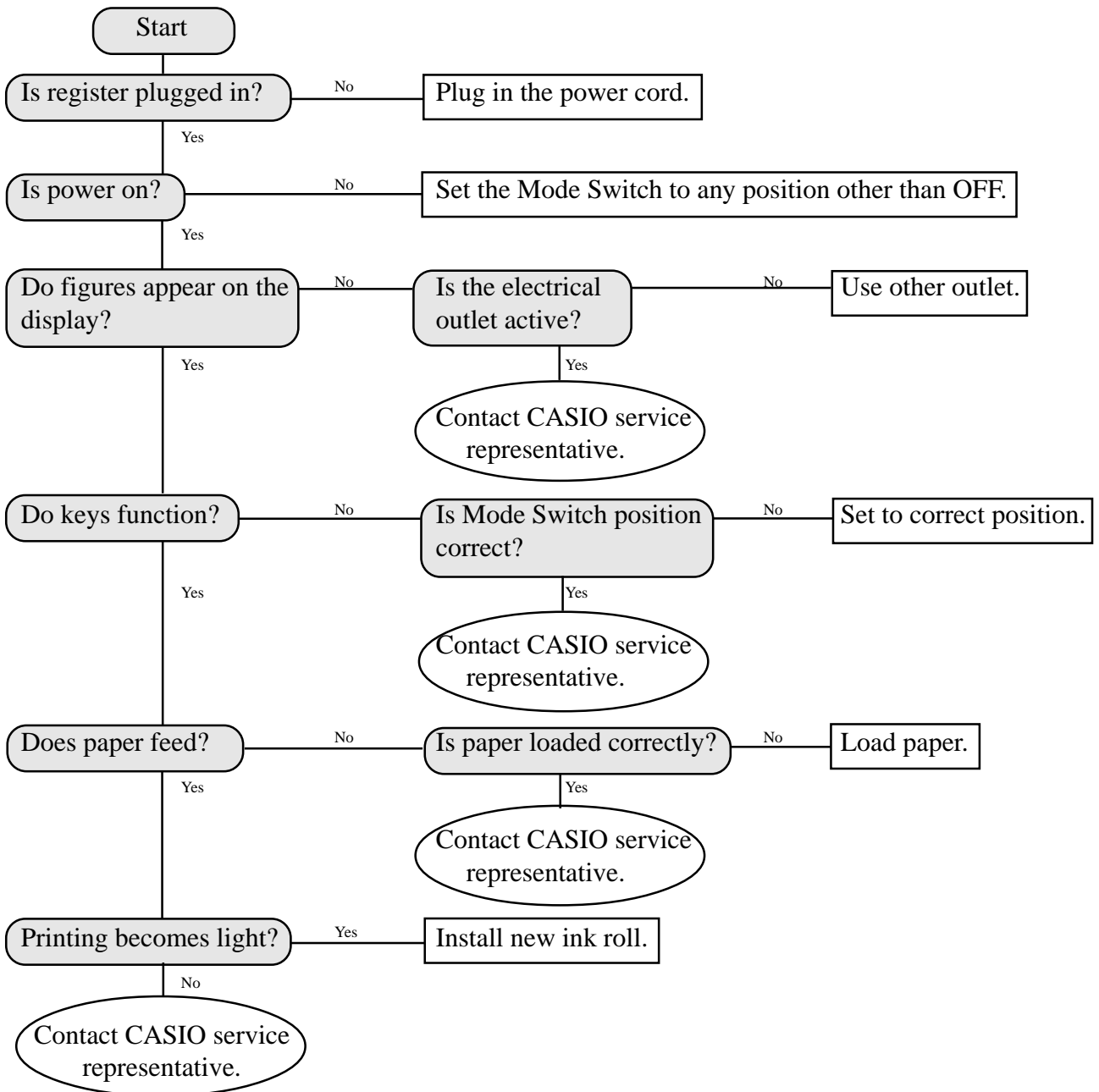
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Error Code	Meaning	Action
E01	Mode Switch position changed before finalization.	Return the Mode Switch to its original setting and finalize the operation.
E08	Registration without entering a clerk number. This error appears only when the clerk control 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.

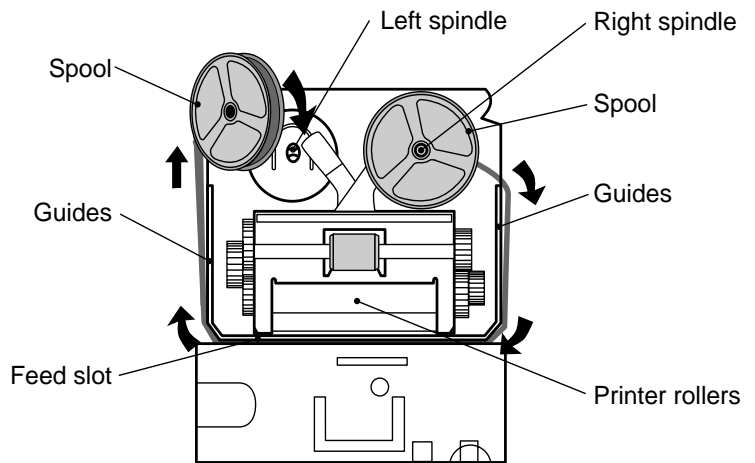
Important!

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

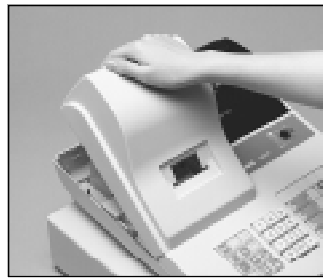
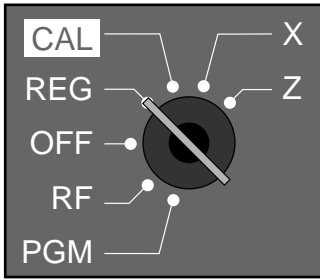
1. Remove the printer cover.
2. Remove the inner cover by grasping its top on the left side and lifting up to the right.
3. Unroll about 10 centimeters of ribbon and place the take-up spool on the left shaft.
4. Insert the ribbon into the ribbon feed slot between the printer rollers. Loop the ribbon 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.



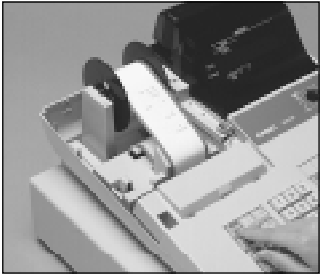
Important!

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.

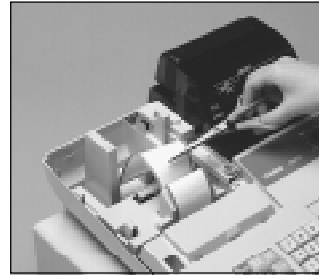
To replace journal paper



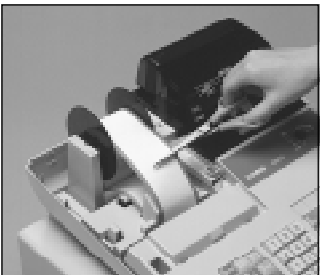
1 Set the Mode Switch to the REG position and remove the printer cover.



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.



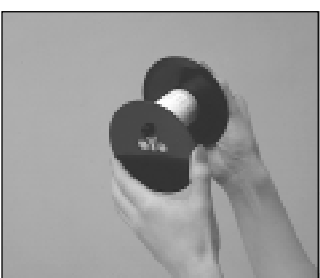
8 Press the **FEED** to feed the remaining paper from the printer.



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.



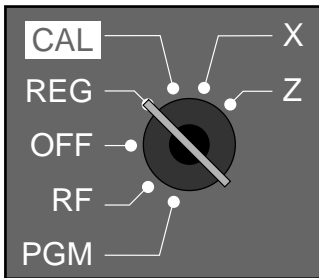
10 Remove the old paper roll from the cash register.



6 Slide the printed journal from the take-up reel.

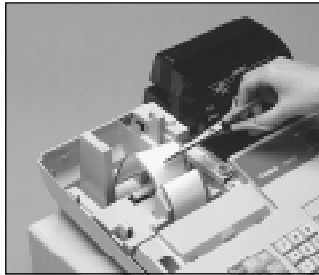
11 Load new paper as described on page 10 of this manual.

To replace receipt paper



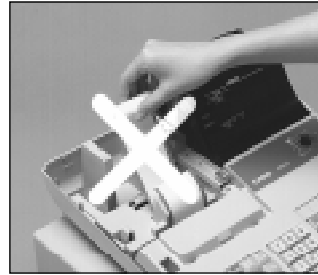
1

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^{19/32}"(H)x13^{11/16}"(W)x15^{9/32}"(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.

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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 Canada Department of Communications.

CASIO CANADA
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FOR THE LOCATION OF THE NEAREST SERVICE CENTRE

Model: Serial Number: Date of Purchase:

Your Name:

Address:

Dealer's Name:

Address:

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