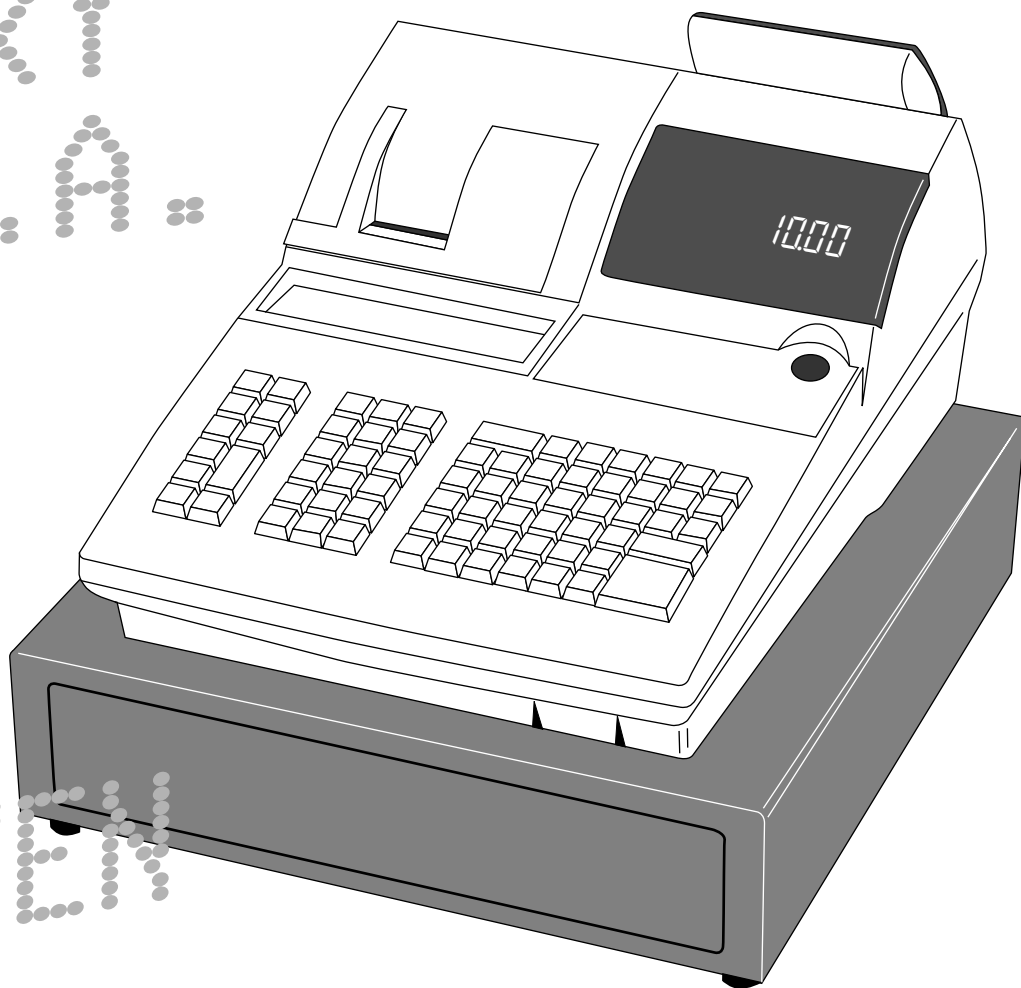


ELECTRONIC CASH REGISTER

PCR-1000

GROCERY
DAIRY
H.B.A.



FROZEN
FOOD
DELICATESSEN

CI Canada

USER'S MANUAL

CASIO[®]

www.cashregisters.net

Introduction & Contents

Unpacking the register

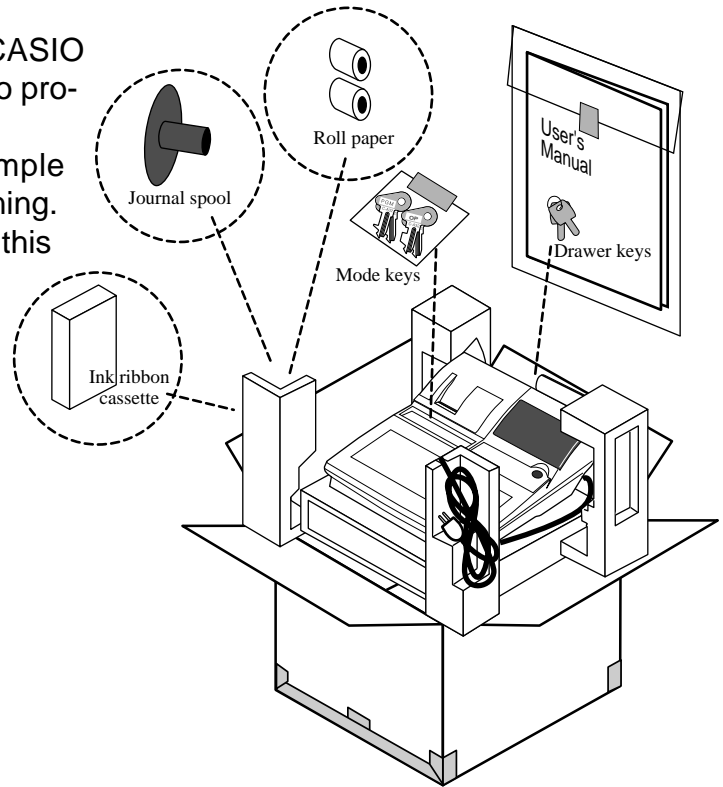
Welcome to the CASIO PCR-1000!

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

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

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

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



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.

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

WARNING: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

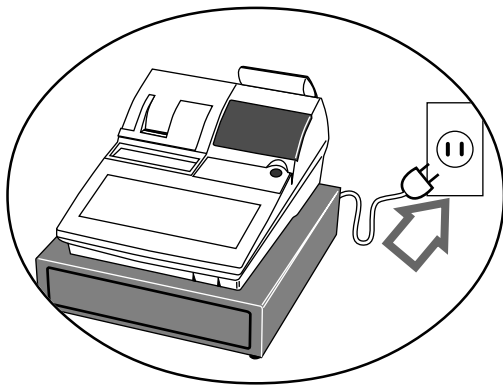
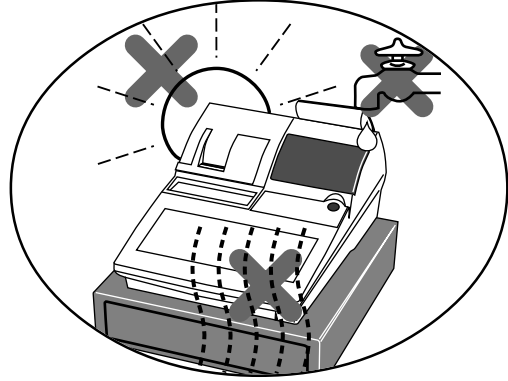
The main plug on this equipment must be used to disconnect mains power. Please ensure that the socket outlet is installed near the equipment and shall be easily accessible.

Please keep all information for future reference.

Important!

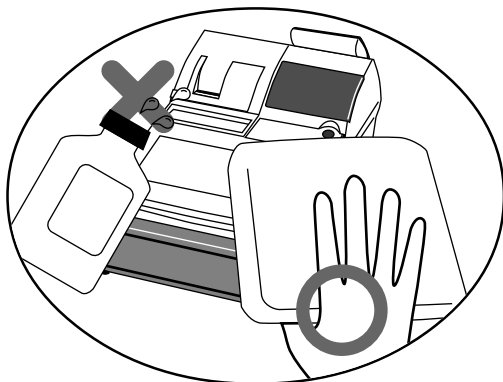
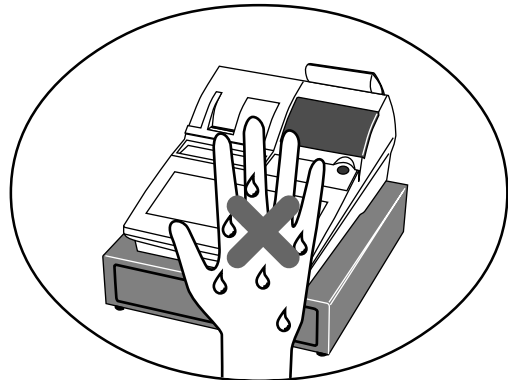
Your new cash register has been carefully tested before shipment to ensure proper operation. Safety devices eliminate worries about breakdowns resulting from operator errors or improper handling. In order to ensure years of trouble-free operation, however, the following points should be noted when handling the cash register.

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



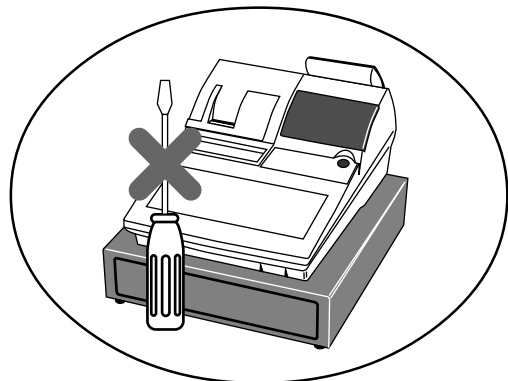
Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in the area.

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.



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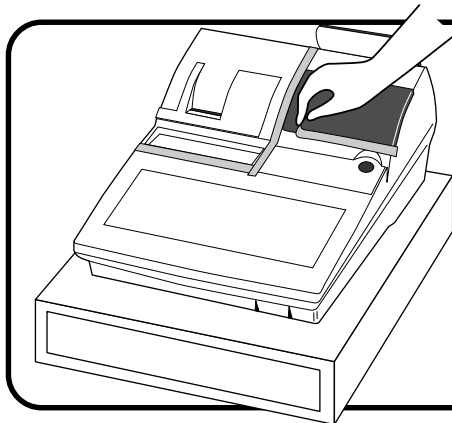
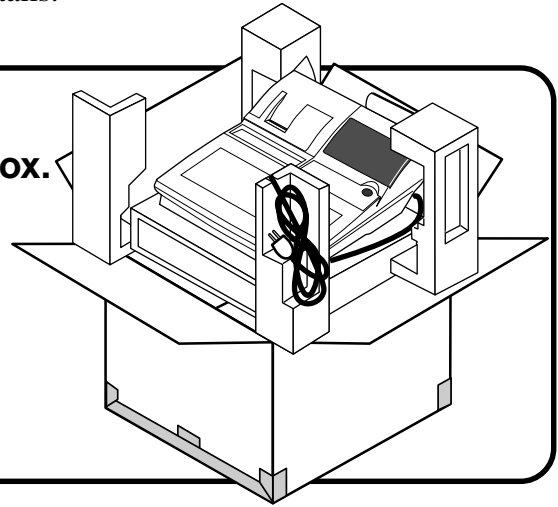
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Getting Started

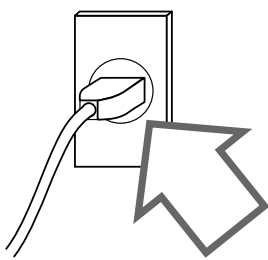
This section outlines how to unpack the cash register and get it ready to operate. You should read this part of the manual even if you have used a cash register before. The following is the basic set up procedure, along with page references where you should look for more details.

1. Remove the cash register from its box.



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

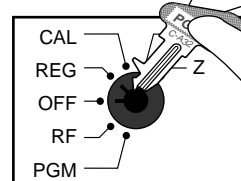
Also remove the small plastic bag taped to the printer cover. Inside you will find the mode keys.



3. 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. Please do not pass the power cable under the drawer.

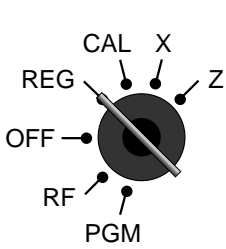
4. Insert the mode key marked "PGM" into the mode switch.



5. Install receipt/journal paper.

Loading journal paper

The same type of paper (45 mm × 83 mm i.d.) is used for receipts and journal. Load the new paper before first operating the cash register or when red paper appears from the printer.



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



2 Open the printer cover.



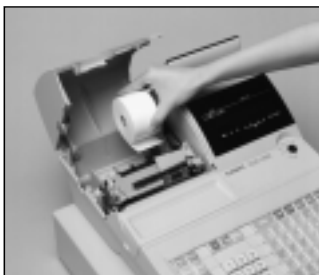
5 Drop the paper roll gently and insert paper to the paper inlet.



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



6 Press the **JOURNAL FEED** key until about 20 cm to 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.



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

Getting Started



8

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



10

Close the printer cover.



9

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

Loading receipt paper

Follow steps **1** through **3** under “Loading journal paper” on the previous page.



4

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



6

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



5

Drop the paper roll gently and insert paper to the paper inlet.



7

Set the printer cover, passing the leading end of the paper through the paper outlet. Close the printer cover and tear off the excess paper.

Important!

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

6. To set the ink ribbon



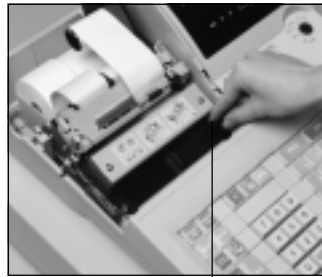
① Open the printer cover.



③ Load a new ink ribbon cassette into the unit.



② Remove the printer sub cover.



④ Turn the knob on the right side of the cassette to take up any slack in the ribbon.

Knob

Important!

Use ERC-32 ink ribbon.



⑤ Replace the printer cover and printer sub cover.

Getting Started

7. Machine initialization

Machine initialization and program auto loading

You must perform the following procedure to initialize the cash register before using it for the first time.

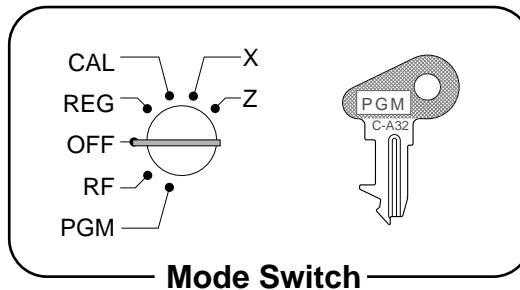
Important

This procedure clears all of the totalizers and programs currently contained in the memory, and reload the standard program into memory.

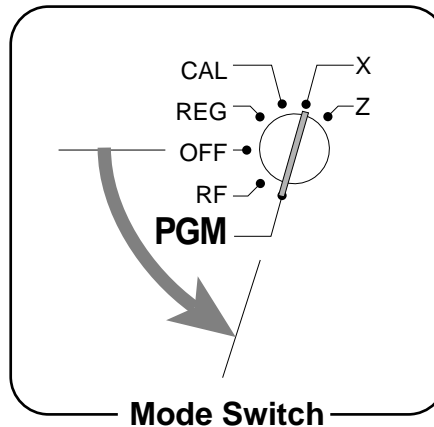
This operation should be performed before using the cash register for the first time only.

- (1) Plug the power code into an AC outlet.

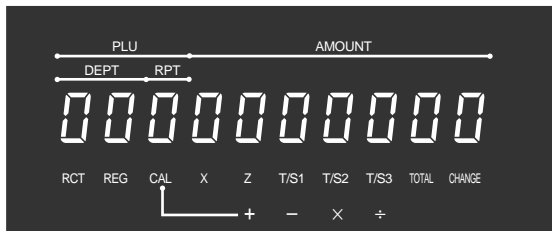
- (2) Set the Mode Switch to OFF.



- (3) While holding down the **JOURNAL FEED**,
turn the Mode Switch to PGM.



- (4) Release the **JOURNAL FEED**



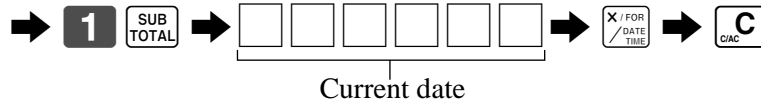
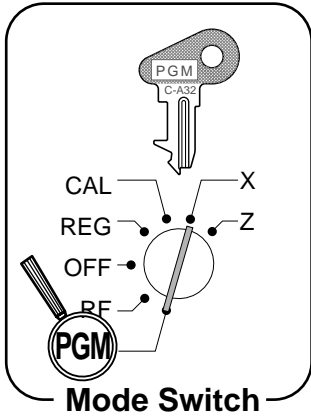
You should see "0000000000" on the display.

If another character is shown, immediately set the Mode Switch to OFF and start the beginning of this procedure.

and enter **2 3 0 1 0** **SUB TOTAL**

Initialization and program auto loading are complete, and initialization receipt issued.

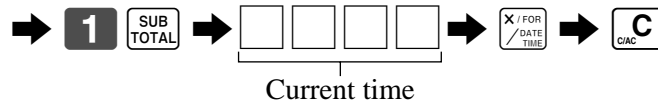
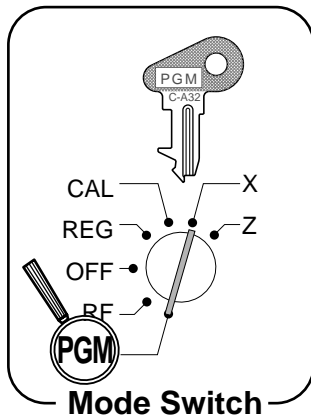
8. Set the date.



Example:

March, 4, 2001 ⇒ **0 1 0 3 0 4**
 Year Month Day

9. Set the time.



Example:

08:20 AM ⇒ **0 8 2 0**

09:45 PM ⇒ **2 1 4 5**

(24-hour military time)

10. Tax table programming

Programming automatic tax calculation

Important!

After you program the tax calculations, you also have to individually specify which departments (page 32) and PLUs (page 35) are to be taxed.

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

Programming for the U.S. Tax Tables Procedure

Find your state in the table (page 15 ~ 18) 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.

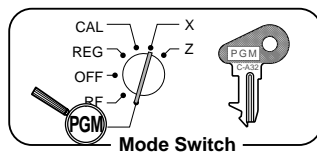
Important!

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

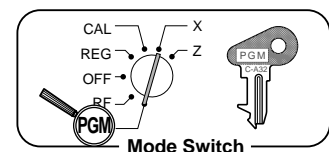
Example 1 (Alabama 6% sales tax to Tax Table 1)

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



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

COLORADO				
4.5%	5%	5%	5.25%	5.5%
		LOVELAND		
0	211	0	0	172
1	233	1	1	190
5	255	2	1	209
17	277	17	18	227
33	299	29	18	245
55		49	51	263
77			68	281
99			84	299
122			118	99
144				118
166				136
188				154



Assign Tax Table 1

0

1

1

8

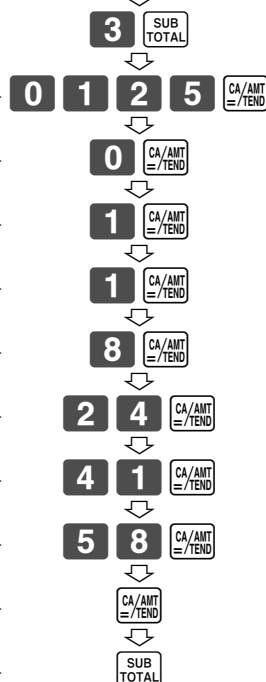
24

41

58

Press **CA/AMT =/TEND**

Terminate program



Assign Tax Table 2

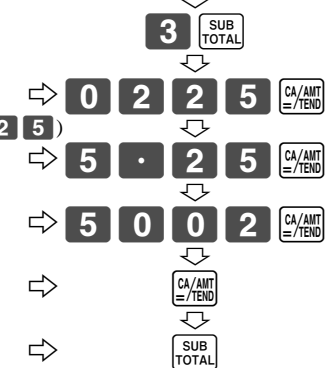
(Tax Table 3: 0 3 2 5)

5.25

5002

Press **CA/AMT =/TEND**

Terminate program



U.S. TAX TABLES

A

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

ALASKA							
KENAI	HOMER/SELDOVIA	HAINES	JUNEAU	KENAI	KENAI	KENAI	KENAI
2%	3%	3%	4%	4%	5%	5%	5%
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	6
25	34	25	19	12	13	13	13
75	49	34	37	37	25	25	25
	83	75	62		46	46	46
	116	127			75	75	75
	150	155			79	79	79
	183	177			118	118	118
	216	227			127	127	127
					151	151	151

ALASKA			
HOMER	6%		
5.5%			
0	145	345	6
1	163	363	2
1	181	381	29
8	208	408	29
27	227	49	239
45	245	69	259
63	263	89	259
81	281	109	279
99	299	109	300
108	308	129	
127	327	159	

ARIZONA							
4%	5%	6%	6.5%	6.7%	6.8%	7%	
0	0	0	175	0	161	0	156
1	1	1	191	1	176	1	171
1	5	9		7	192	7	186
12	10	10		7	207	7	201
37	27	22		23	223	22	216
	47	39		38	238	37	231
	68	56		53	253	52	246
	89	73		69	269	67	261
	109	90		84	284	82	276
		107		99	299	97	291
		125		115	111	109	109
		141		130	126	124	124
		158		146	141	139	139
						130	330

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

C

CALIFORNIA																			
6%	6.25%	6.5%	6.75%	7%	7.25%	7.25%	7.5%	7.75%	8.25%	8.5%	10%	Parking							
0	141	0	0	130	299	6.75	0	121	278	7.25	117	7.25	0	7.75	8.25	0	99	0	99
1	158	1	1	146		5002	1	135	292	5002	131	5002	1	5002	5002	1	111	1	99
7	7	7	7	161		0	8	149	307	0	0	0	3	6	198	389	7	7	104
10	10	10	10	176		10	10	164	10	10	6	6	5	5	135	99	114	114	114
22	21	20	19	192		20	20	178	20	20	19	19	17	17	147	99	124	124	124
39	37	35	20	207		34	33	192	32	32	33	33	29	29	158	99	134	134	134
56	54	51	22	223		48	47	207	46	46	46	46	41	41	170	99	144	144	144
73	70	67	23	238		64	62	221	60	60	59	59	52	52	182	99	154	154	154
90	86	83	25	253		80	76	235	74	74	73	73	64	64	194	99			
108	103	99	26	269		96	91	249	88	88			76	76	205	99			
124	119	115	28	284		111	107	264	103	103			88	88	99	99			

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

COLORADO																				
6.45%	6.5%	6.6%	7%	7.01%	7.1%	7.2%	7.25%	7.3%	7.5%	8%										
6.45	0	146	6.6	0	135	7.01	7.1	0	131	7.25	0	130	0	0						
5002	1	161	5002	1	149	5002	5002	1	145	5002	1	143	1	1						
0	2	176	4	4	0	0	0	2	159	0	3	157	3	1						
17	17	192	17	17	17	17	17	17	173	6	171	17	6	6						
	23	207	21	21	21	21	21	20	187	20	19	19	18	18						
	38	223	35	35	35	35	35	34	201	34	33	31	31	31						
	53		49	49	49	49	49	48	215	47	46	43	43	43						
	69		64	64	64	64	64	62	229	61	59	56	56	56						
	84		78	78	78	78	78	76	243	75	73	68	68	68						
	99		92	92	92	92	92	90	256	89	87	81	81	81						
	115		107	107	107	107	107	104		102	102	93	93	93						
	130		121	121	121	121	121	118		116	116	106	106	106						

CONNECTICUT				
5.25%	6%	7%	7.5%	8%
0	198	0	0	0
1	218	1	1	1
		2	1	3
		8	7	6
		24	21	19
		41	35	33
		58	49	46
		74	64	59
		91	78	73
		108	92	
		124	107	

D

DISTRICT OF COLUMBIA					
D.C. 5%	D.C. 5.75%	D.C. 6%	D.C. 6%	D.C. 8%	D.C. 9%
0	5.75	0	0	0	0
1	5002	1	1	1	1
1	0	1	1	1	6
10	8	12	8	12	6
22	17	24	16	16	149
42	35	41	27	27	161
82	53	58	39	38	
62	71	74	50	49	
110	89	91	62	61	
	112	108	75	72	
			90	83	
			112	94	

F

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

G

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

H

HAWAII	
4%	
0	0
1	1
1	1
10	10
12	12
37	37

Getting Started

Getting Started

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

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

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

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

KANSAS																							
2.5%	3%	3.1%	3.25%	3.5%	3.75%	4%	4.1%	4.5%	4.9%	5%	5.25%	5.4%	5.5%	5.65%									
0	0	3.1	0	323	0	0	279	0	4.1	0	0	214	479	744	1010	0	5.25	0	194	435	0	190	5.65
1	1	5002	1	353	1	1	306	1	5002	1	1	234	499	765	1	1	5002	1	212	453	1	209	5002
3	1	0	1	384	1	1	333	1	0	1	1	255	520	785	1	1	1	1	231	472	1	0	
12	9	16	15	415	14	13	359	12	12	11	10	275	540	806	9	9	249	9	249	490	9	8	
37	29	24	24	46	42	39	386	37	12	33	30	295	561	826	29	29	27	268	509	27	27	45	
50	41			76	71	66	413	62	62	55	51	316	581	846			46	287		45			
75	58			107	99	93		87	87	77	71	336	602	867			64	305		63			
	74			138	128	119		112	112	99	91	357	622	887			83	324		81			
				169	157	146			122	112	377	642	908				101	342		99			
				199	185	173			144	132	397	663	928				120	361		118			
				230		199			166	153	418	683	948				138	379		136			
				261		226			188	173	438	704	969				157	398		154			
				292		253			211	193	459	724	989				175	416		172			

KANSAS							
5.9%	6%	6.15%	6.4%	6.5%	9.5%	10%	
5.9	0	6.15	6.4	6.5	0	110	0
5002	1	5002	5002	5002	1	121	1
0	7	0	0	0	1	131	1
8	8	8	7	7	5	142	4
	24				15	152	14
	41				26	163	24
	58				36	173	34
	74				47	184	44
	91				57	194	54
	108				68		64
	124				78		74
	141				89		84
	158				99		94

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

LOUISIANA										
2%	3%	4%	4.5%	5%	6%	6%	7%	7.5%	8%	9%
0	0	0	0	0	0	0	161	0	0	0
1	1	1	1	1	1	1	176	1	1	1
2	2	2	1	6	2	17	192	1	2	7
24	16	12	11	10	8	7	207	7	6	4
74	49	37	33	27	24	23	223	21	19	16
124	82	62	55	47	41	38	238	35	33	29
174	116	87	77	67	58	53	253	49	46	42
224	149	112	99	87	74	69	269	64	59	55
			122	109		84	284		67	61
			144	129		99	299		80	72
			166	153		115	315		93	83
			188	173		130	330		106	94
			211	193		146			105	

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

MARYLAND		
4%	5%	Meals Tax 5%
0	0	0
1	1	1
2	2	7
24	19	99
25	20	99
50	40	99
		99
		99
		100
		120
		183
		140

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

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

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

MISSISSIPPI										
5%	6%	7%	7.25%	8%	8.5%	9%	9.25%			
0	0	0	0	144	324	0	0	123	0	9.25
1	1	1	1	158	337	1	1	135	1	5002
6	1	1	1	172	351	1	1	147	1	0
11	8	7	6	186	365	6	5	158	5	5
26	24	21	20	199	379	18	17	170	16	
47	41	35	34	213	393	31	29	182	27	
68	58	49	48	227	406	43	41	194	38	
88	74	64	62	241		56	52	205	49	
109	91	78	75	255		68	64	61		
129	108	92	89	268		81	76	72		
		107	103	282		93	88	83		
			117	296		106	99	94		
			131	310		111		105		

MISSOURI																						
4.225%	4.6%	4.625%	4.725%	4.75%	4.8%	4.975%	5.05%	5.1%	5.225%	5.6%	5.625%	5.725%	5.975%	6.1%	6.225%	6.3%	6.425%					
0	0	0	227	0	0	0	211	0	0	5.225	0	5.725	0	175	392	0	0	168	0	166	0	163
1	1	1	248	1	1	1	1	1	1	5002	1	5002	1	192	410	1	1	184	1	182	1	178
1	1	13	270	4	3	3	1	5	1	15	223	1	2	209	8	1	2	200	8	198	1	194
11	10	10	291	10	10	10	10	9	9	8	241	8	8	225	8	8	216	7	214	7	210	
35	32	32	313	31	22	31	30	19	29	26	258	26	25	242	24	24	232	23	230	23	225	
59	54	54	335	52	43	52	50	39	49	44	294	44	41	259	40	40	248	39	246	38	241	
82	76	75	356	74	65	72	70	59	68	62	296	62	58	276	57	56	265	55	254	54	256	
	97	97	378	95	86	93	90	79	88	80	312	79	75	292	73	72	282	71	270	70	272	
			399	116	107	114	110	98	107	98	330	97	92	309	90	88	296	87	285	85	287	
			421	137	128	135	130	118	128	115	348	115	108	326	104	103	310	101	301	101		
			443	158	149	156	150	138	148	133	366	133	125	342	120	119	326	116	31			

N **NEW HAMPSHIRE**

Rooms & Meals		Rooms & Meals	
7%	7%	8%	8%
0	129	0	128
1	143	1	142
8	158	8	157
14	172	35	171
26	186	35	185
39	201	38	200
51		50	
63		62	
75		74	
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			11
13	359	11	317	11	11	9			9
40		35	341	34	33	28			28
67		58	364	57	55	47			47
93		82	388	79	78	66			66
120		105	411	102	100	85			85
146		129		125	122	104			104
173		152		148	144	123			123
200		176		171	167	142			142
226		199		194	189	161			161
253		223		217	211	180			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%	ERIE County	8%	8.25%	8.5%					
0	0	5.25	5.75	0	141	0	130	6.75	0	121	7.25	0	113	0	105	0	106	8.25	8.5
1	1	5002	5002	1	158	1	146	5002	1	135	5002	1	126	1	119	1	118	5002	5002
5	6			7	7	7	161		8	149		8	139	10	131	9	131		
12	10			10	10	7	176		10	164		10	10	10	10	10			
33	27			22	22	23	192		20	178		18	17	17	17				
58	47			38	38	38	207		33	192		31	29	29	29				
83	67			56	54	53			47	207		45	42	42	42				
112	87			72	70	69			62			58	55	54	54				
137	109			88	86	84			76			71	67	67	67				
				108	103	99			91			85	80	79	79				
				124	119	115			107			99	92	92	92				

NORTH CAROLINA

CHROKKEE Reservations

3%	4%	4.5%	5%	6%	6%
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	108
		166			124

NORTH DAKOTA

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

OHIO

MEIGS Co.

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

OHIO

CUYAHOGA Co.

6.5%	7%	7%	7.25%
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
92		85	85
107		100	100

OKLAHOMA

2%	3%	3.25%	4%	4.25%	4.5%	5%	5.25%	6%	6.25%	6.725%	7%	7.25%	7.375%	8%	8.25%	9.25%	10.25%
0	0	0	323	0	4.25	0	0	5.25	0	0	6.725	0	7.25	7.375	0	0	0
1	1	1	353	1	5002	1	1	5002	1	1	5002	1	5002	5002	1	1	1
1	1	7	384	1	2	1	1	1	1	1	6	0	1	1	4	1	1
24	16	15	415	12	11	9	8	7	8	7	8	6	6	6	5	4	4
74	49	46	446	37	33	29	24	23	22	22	22	18	18	16	14	14	14
	83	76	476		55		41		37		37	31	30	27	24	24	24
	116	107	507		77		58		51		51	42	37	34	34	34	34
		138	538		99				65		65	54	48	43	43	43	43
		169	569		121				79		79	66	59	59	59	59	59
		199	599		144				94		94	78	70	70	70	70	70
		230							108		108	90	81	81	81	81	81
		261							122		122	103	91	91	91	91	91
		292															

P **PENNSYLVANIA**

6%	7%
0	0
1	1
1	5
10	10
17	17
34	34
50	50
67	50
84	67
110	84
	110
	117
	134

R **RHODE ISLAND**

6%	7%
0	0
1	1
6	5
9	7
26	21
42	35
57	49
73	64
90	78
106	92
123	107
140	121
	135

S **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
		124

SOUTH DAKOTA

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

T **TENNESSEE**

COUNTY TAX

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

Getting Started

TEXAS																						
															HOUSTON (Harris County)							
4%	4%	4.125%	4.625%	5%	5.125%	5.25%	5.375%	5.5%	5.625%	6%	DALLAS 6%	6%	6%	6.125%	6.25%	6.25%	6.25%	6.75%				
0	0	0	206	4.625	0	5.125	0	161	5.375	0	155	0	151	0	0	0	6.125	0	6.25	0	125	288
1	1	1	230	5002	1	5002	1	180	5002	1	173	1	168	1	1	1	5002	1	5002	1	140	303
1	1	1	254		1		12	199		1	191	1		1	1	1		1		1	155	318
12	12	12	278		9		9	219		9	209	8		8	9	8		7		8	170	333
37	37	36	303		29		28	238		27		26		24	25	24		23		22	185	348
	62	60	327		49		47		45		44		41	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		74		71		66		62	229	392	
		133	399				104		99		97		91		87		81		76	244	407	
		157	424				123		118		115		108		103		96		91	259	422	
		181					142		137		133				119		111		111	274	437	

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

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

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

VIRGINIA																			
ARLINGTON COUNTY				FAIRFAX		FAIRFAX CITY		HAMPTON		LEESBURG		RICHMOND		NEWPORT NEWS		RICHMOND		Restaurant	
4%				4.5%		5.5%		6.5%		7%		7%		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	114
1	234	512	1	1	211	1	166	1	144	1	134		1	1	5002	1	122	1	1
33	259	537	2	5	233	4	188	1	166	13	149		1	1		1	144	2	5
66	284		12	15	255	11	211	11	174	14	159		7	14		11	149	6	14
100	314		37	33	277	14	233	24	188	29	184		21	14		16	166	19	34
133	334		62	55	299	33	249	33	211	34	184		35	34		33	183	33	44
166	359		87	77		55	255	55		44	214		49	59		49	188	46	44
200	384		112	99		77		74		59	214		64	59		55	211	59	59
	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		99		84	84

VIRGINIA											
ROANOKE CITY VA BEACH			NORFOLK CITY			CITY OF RICHMOND					
8.5%			9%			Meal tax		Food tax		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%	8.1%	Combined			8.7%							
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	1	143	1	139	1	1	138		2	1	1	1	129	2	1	128	274	420	1
1	1	1	1	156	1	153	2	3	151		0	2	1	14	141	0	1	140	286	432	1
7	6	6	6	170	6	166	7	6	164		7	6	6	6	154	6	6	152	296	445	5
21	20	19	184	19	179	19	19	177	19	18	18	18	166	18	18	164	18	164	310	457	17
35	34	33	198	33	193	33	32	190	32	31	31	30	179	30	30	176	30	176	323	469	28
49	48	47	211	46	206	46	46	203	44	44	43	191	43	42	189	43	42	189	335	481	
64	62	61	225	59	217	59	59	217	57	56	55	203	55	54	201	54	54	201	347	493	
78	76	74	239	73	226	72	72	230	70	70	67	203	67	67	213	67	67	213	359	506	
92	90	88	252	86	243	85	85	243	83	83	80	203	80	79	225	79	79	225	371		
107	104	102	269	99	256	98	98	256	96	96	92	203	92	91	237	91	91	237	384		
	118	115		113		111	111	269			104			103	249		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	0
1	1	1	209	1
1	1	1		1
12	10	9		8
37	21	27		26
	41	45		44
	61	63		62
	81	81		80
	110	99		98
		118		116
		136		133
		154		
		172		

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

10. Tax table programming (continued)

Programming for Canadian Tax Tables Procedure

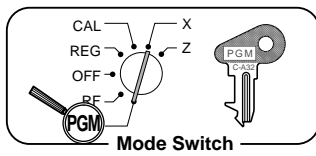
State sales tax calculation data tables for all of the states that make up all Canadian provinces are included on this page. Simply find your province in the tax tables and input the data shown in its table.

Programming Tax Table

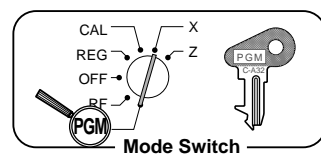
Example 1: Federal tax: 7% (Add-on/Round-off)

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

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



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



Assign Tax Table 1

⇒ 0 1 2 5 CA/AMT =/TEND

Assign Tax Table 2

⇒ 0 2 2 5 CA/AMT =/TEND

7

⇒ 7 CA/AMT =/TEND

(Table 3: 0 3 2 5)

(Table 4: 0 4 2 5)

5002

⇒ 5 0 0 2 CA/AMT =/TEND

10

⇒ 1 0 CA/AMT =/TEND

Press CA/AMT =/TEND

⇒ CA/AMT =/TEND

5004

⇒ 5 0 0 4 CA/AMT =/TEND

Terminate program

⇒ SUB TOTAL

Press CA/AMT =/TEND

⇒ CA/AMT =/TEND

Terminate program

⇒ SUB TOTAL

• 4 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.
- Tax table 4: Used for the provincial taxable items for different tax table.

CANADA TAX TABLES

* Must be programmed into Tax Table 2, 3 or 4.

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.

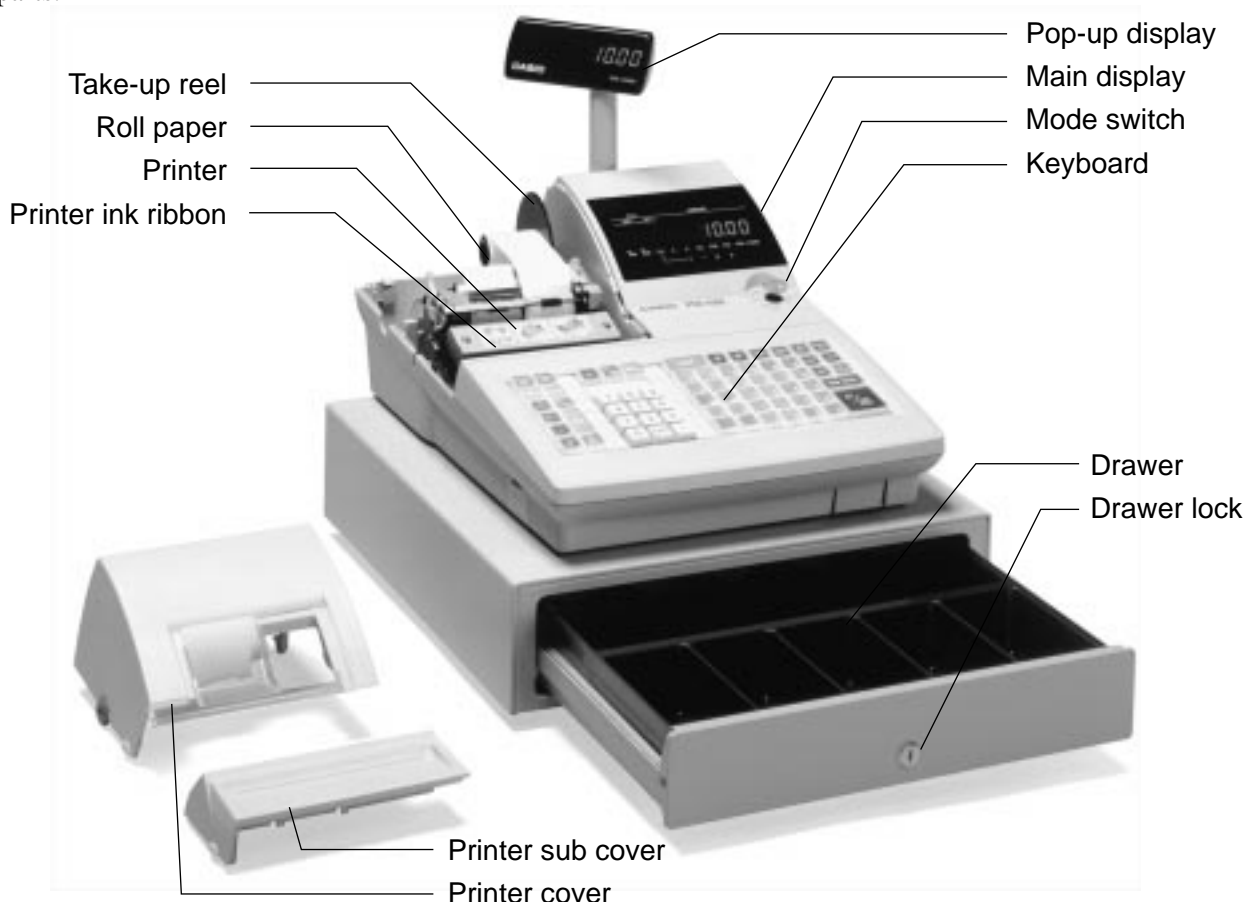
Important!

Also you should select the Canadian sales tax system in the general control file (address 0422) on page 56.

Introducing PCR-1000

General guide

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

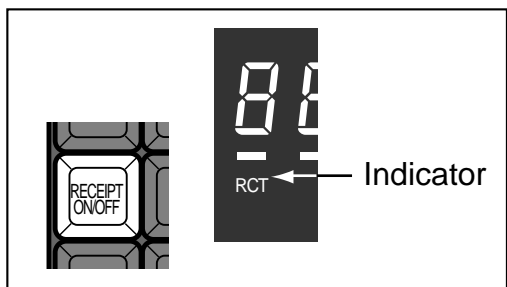


Roll paper

You can use the roll paper to print receipts and a journal (pages 9 ~ 10).

Receipt on/off key

Use the receipt on/off key in REG and RF modes to control issuance of receipts. In other modes, receipts or reports are printed regardless the receipt key setting. A post-finalization receipt can still be issued after finalization when the key is set to off. The cash register can also be programmed to issue a post-finalization receipt even when the key is set to on. When the register issues receipts, this indicator is lit.

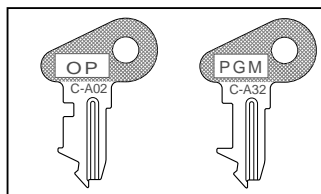


Printer ink ribbon

Provides ink for printing of registration details on the roll paper (page 89).

Mode key

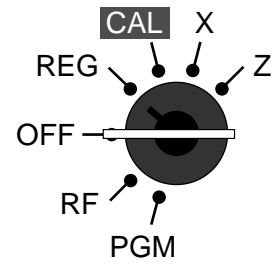
The following two types of mode keys are provided with the unit.



- OP (Operator) key
Switches between OFF, REG and CAL.
- PGM (Program) key
Switches to any position.

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
OFF	Stand-by	Any of the mode control keys can be inserted and removed from the mode switch in this position.
REG	Register	Used for normal sales transactions. Any of the mode control keys can be inserted and removed from the mode switch in this position.
CAL	Calculator	Used for calculator function.
RF	Refund Reg minus	Used for processing refunds. When the mode switch of the register is in RF position, you can access either the refund mode or the register minus mode.
X	Daily sales read	Used to obtain daily reports without resetting (clearing) all total data.
Z	Daily sales reset	Used to obtain daily reports while resetting (clearing) all total data.
PGM	Program	Used when programming functions and preset data such as unit prices and tax rates. Also used when reading program data.

Drawer

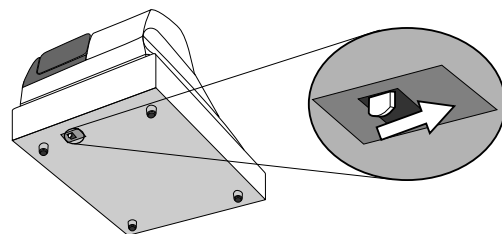
The drawer opens automatically whenever you finalize a registration and whenever you issue a read or reset report. The drawer will not open if it is locked with the drawer key.

Drawer lock

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.

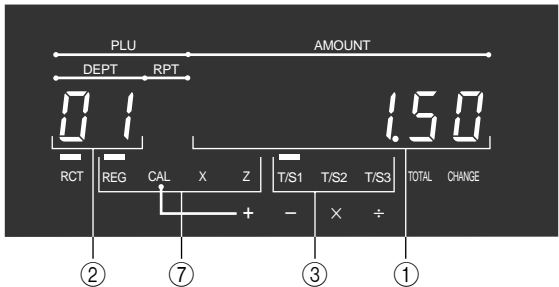
Introducing PCR-1000

Display

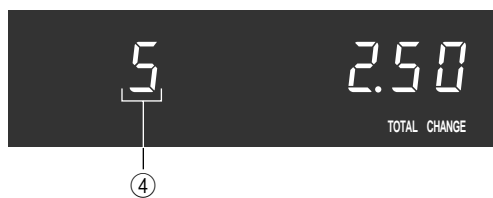
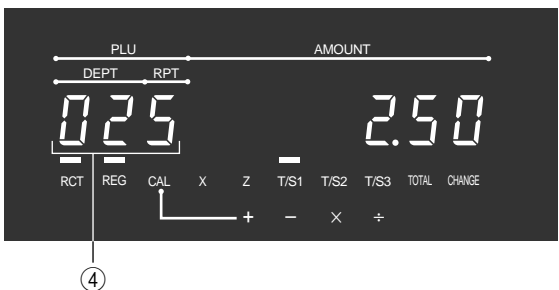
Main display

Customer display

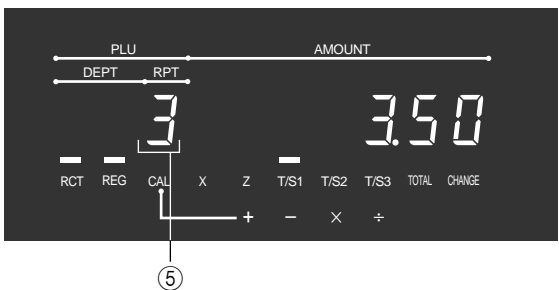
Department registration



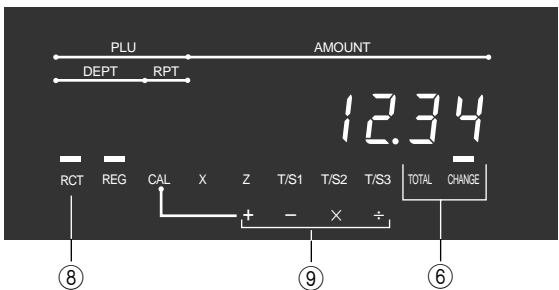
PLU registration



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 ~ 60) appears here.

③ **Taxable sales status indicators**

When you register a taxable item, the corresponding indicator is lit.

④ **PLU number**

When you register a PLU item, the corresponding PLU number appears here.
(Only the last digit is displayed on the customer display.)

⑤ **Number of repeats**

Anytime you perform a repeat registration (page 31), the number of repeats appears here.
Note that only one digit is displayed for the number of repeats. This means that a “5” could mean 5, 15 or even 25 repeats.

⑥ **Total/Change indicators**

When the TOTAL indicator is lit, the displayed value is monetary total or subtotal amount. When the CHANGE indicator is lit, the displayed value is the change due.

⑦ **REG, CAL, X, Z indicators**

REG: Indicates register mode
CAL: Indicates calculator mode
X: Indicates daily sales read mode
Z: Indicates daily sales reset mode

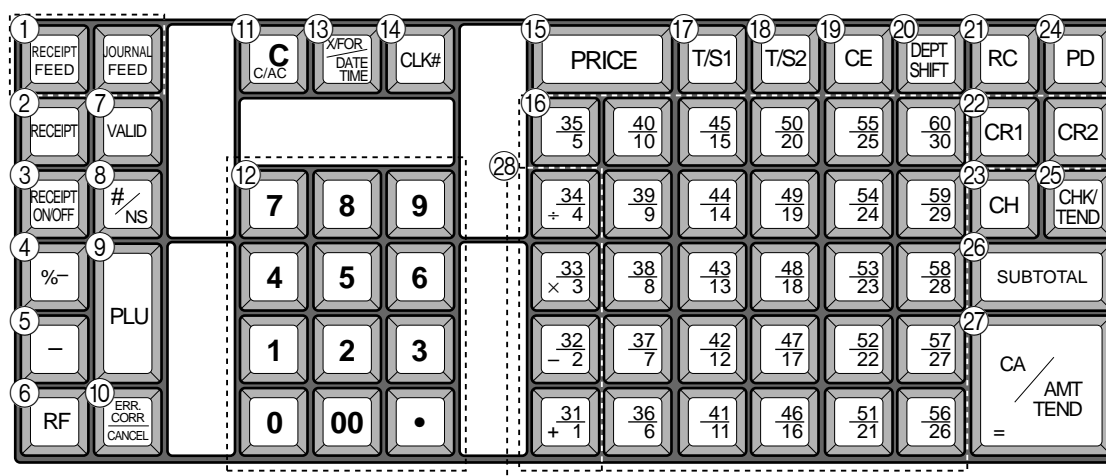
⑧ **RCT indicator**

When the register issues receipts, this indicator is lit.























⑨ **Arithmetic operation indicators**

Introducing PCR-1000

Keyboard



• Register Mode

- ① **Paper feed key** , 
Hold this key down to feed paper from the printer.
- ② **Post receipt key** 
Use this key to produce a post-finalization receipt.
- ③ **Receipt on/off key** 
Use this key pressing two times to change the status “receipt issue” or “no receipt.” In case of “receipt issue”, the “RCT” indicator is lit.
- ④ **Discount key** 
Use this key to register discounts.
- ⑤ **Minus key** 
Use this key to input values for subtraction.
- ⑥ **Refund key** 
Use this key to input refund amounts and void certain entries.
- ⑦ **Validation key** 
Use this key to validate transaction amounts on slip.
- ⑧ **Non-add/No sale key** 
Non-add key: To print reference number (to identify a personal check, credit card, etc.) during a transaction, use this key after some numerical entries.
No sale key: Use this key to open the drawer without registering anything.
- ⑨ **PLU key** 
Use this key to input PLU numbers.
- ⑩ **Error correction/Cancellation key** 
Use this key to correct registration errors and to cancel registration of entire transactions.
- ⑪ **Clear key** 
Use this key to clear an entry that has not yet been registered.
- ⑫ **Ten key pad** **0**, **1** ~ **9**, **00**, **.**
Use these keys to input numbers.
- ⑬ **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.
- ⑭ **Clerk number key** 
Use this key to sign clerk on and off the register.
- ⑮ **Price key** 
Use this key to register an amount to an open PLU when a PLU is used as an open PLU.
- ⑯ **Department keys**    ~ 
Use these keys to register items to departments.
- ⑰ **Tax status shift 1 key** 
Use this key to change the Taxable 1 status of the next item.
- ⑱ **Tax status shift 2 key** 
Use this key to change the Taxable 2 status of the next item.
- ⑲ **Currency exchange key** 
Use this key to calculate subtotal amounts or paying amount dues in foreign currency.

⑳ **Department shift key** DEPT
SHIFT

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

31 + 1 → Dept. 1	DEPT SHIFT 31 + 1 → Dept. 31
32 - 2 → Dept. 2	DEPT SHIFT 32 - 2 → Dept. 32
:	:
60 30 → Dept. 30	DEPT SHIFT 60 30 → Dept. 60

㉑ **Received on account key** RC

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

㉒ **Credit key** CR1, CR2

Use this key to register a credit sale.

㉓ **Charge key** CH

Use this key to register a charge sale.

㉔ **Paid out key** PD

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

㉕ **Check key** CHK/
TEND

Use this key to register a check tender.

㉖ **Subtotal key** SUB
TOTAL

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

㉗ **Cash/Amount tendered key** CA/AMT
= / TEND

Use this key to register a cash tender.

• **Calculator Mode**

④ **Percent key** %-

⑧ **Drawer open key** # / NS

⑨ **Memory recall key** RC

⑪ **Clear key** C
CNC

⑫ **Ten key pad** 0, 1 ~ 9, 00, .

⑳ **Equal key** CA/AMT
= / TEND

㉘ **Arithmetic operation key** 31
+ 1, 32
- 2, 33
× 3, 34
÷ 4

Basic Operations and Setups

How to read the printouts

- The journal and receipts are records of all transactions and operations.
- The contents printed on receipts and journal are almost identical.
- You can choose the journal skip function (page 57).

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.
 - Consecutive number
 - Taxable status
 - Taxable amount
 - Item counter

Receipt Sample

```

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

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

REG 03-04-2001 11:58
C01 MC#01 000123

1 DEPT01 T1 $1.00
1 DEPT02 T1 $2.00
5 DEPT03 $5.00

7 No
TA1 $3.00
TX1 $0.15
TL $8.15
CASH $10.00
CG $1.85

*** BOTTOM MESSAGE ***
*** BOTTOM MESSAGE ***
*** BOTTOM MESSAGE ***
    
```

Logo message

Commercial message

Mode/Date/Time
Clerk/Machine No.
Consecutive No.

Q'ty/Item

Item counter

Bottom message

**Journal Sample
(Item lines Included)**

```

REG 03-04-2001 11:58
C01 MC#01 000123
1 DEPT01 T1 $1.00
1 DEPT02 T1 $2.00
5 DEPT03 $5.00
7 No
TA1 $3.00
TX1 $0.15
TL $8.15
CASH $10.00
CG $1.85

REG 03-04-2001 11:59
C02 MC#01 000124
1 DEPT01 T1 $1.00
1 DEPT03 T1 $3.00
1 DEPT02 T1 $2.00
1 DEPT04 T1 $4.00
5 DEPT05 $5.00
9 No
TA1 $10.00
TX1 $0.50
TL $15.50
CASH $20.00
CG $4.50
    
```

**Journal Sample
(Item lines Skipped)**

```

REG 03-04-2001 11:57
C01 MC#01 000123
7 No
TA1 $3.00
TX1 $0.15
TL $8.15
CASH $10.00
CG $1.85

REG 03-04-2001 11:57
C02 MC#01 000124
9 No
TA1 $10.00
TX1 $0.50
TL $15.50
CASH $20.00
CG $4.50

REG 03-04-2001 11:58
C01 MC#01 000125
7 No
TA1 $3.00
TX1 $0.15
TL $9.35
CASH $10.00
CG $0.65

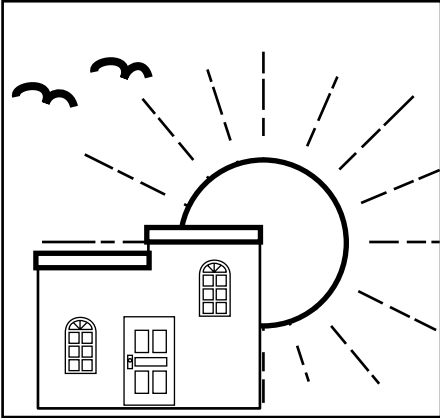
REG 03-04-2001 11:59
    
```

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 45 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.

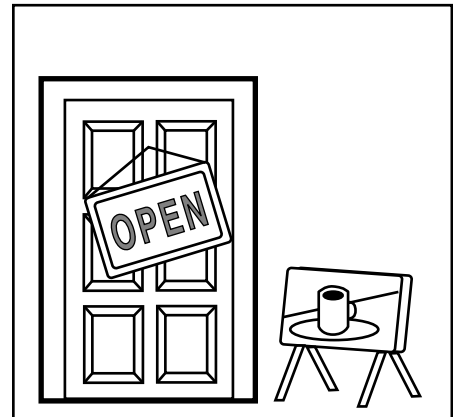
BEFORE business hours...



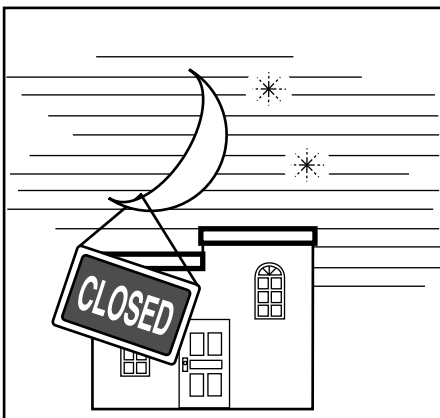
- Check to make sure that the cash register is plugged in securely. Page 8
- Check to make sure there is enough paper left on the roll. Pages 9, 10
- Read the financial totals to confirm that they are all zero. Page 78
- Check the date and time. Page 29

DURING business hours...

- Register transactions. Page 30
- Periodically read totals. Page 77



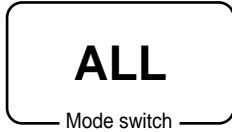
AFTER business hours...



- Reset the daily totals. Page 48
- Remove the journal. Page 90
- Empty the cash drawer and leave it open. Page 21
- Take the cash and journal to the office.

Basic Operations and Setups

Assigning a clerk



Clerk secret number key

When the cash register is programmed to use clerk secret numbers for clerk or cashier assignment, the clerk buttons are not functional.

Clerk sign on

	OPERATION	RECEIPT
Signing clerk 1 on:	1 → <input type="button" value="CLK#"/>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <pre> * COMMERCIAL MESSAGE * REG 03-04-2001 11:58 C01 MC#01 000123 1 DEPT01 T1 \$1.00 </pre> </div> <p style="text-align: right; margin-top: 0;">Clerk name/machine No./consecutive No.</p>
Signing clerk 2 on:	2 → <input type="button" value="CLK#"/>	
⋮	⋮	
Signing clerk 30 on:	3 0 → <input type="button" value="CLK#"/>	

Clerk secret number
(1 ~ 30 is set as default.)

- If you do not want the clerk secret number to be shown on the display, press before entering the number.

Clerk sign off

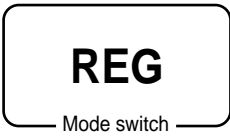
	OPERATION
Signing clerk off: (except PGM mode)	0 → <input type="button" value="CLK#"/>

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

Important!

- The error code "E008" appears on the display whenever you try to perform a registration, a read/reset operation without signing on.
- A clerk cannot sign on unless other clerk is signed off.
- The signed on clerk is also identified on the receipt/journal.

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
<p>Time appears on the display</p>	<p>Hour Minutes</p>
<p>Clears the time display</p>	

To display and clear the date

OPERATION	DISPLAY
<p>Time appears on the display</p>	<p>(Time is displayed first)</p>
<p>Date appears on the display</p>	<p>Month Day Year</p>
<p>Clears the date display</p>	

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 the **RC** key instead of the **#/NS** key. See page 44.)

Opening the drawer without a sale

OPERATION	RECEIPT

Basic Operations and Setups

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
Payment	Cash	\$1.00

1 00
Unit price

31
+ 1
Department

CA/AMT
= /TEND

REG 03-04-2001 10:05
C01 MC#01 000002

1 DEPT01 \$1.00
TL \$1.00
CASH \$1.00

Date/time

Mode/consecutive No.

Department No./unit price

Total amount

Example 2 (Subtotal registration and change computation)

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

1 2 3 4
Unit price

31
+ 1
Department

SUB
TOTAL

2 0 00
CA/AMT
= /TEND
Amount tendered

REG 03-04-2001 10:10
C01 MC#01 000003

1 DEPT01 \$12.34
TL \$12.34
CASH \$20.00
CG \$7.66

Total amount

Amount tendered

Change

Example 3 (Registering department 31 through 60)

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

1 00
DEPT
SHIFT

Designating department 31 to 60,
press **DEPT**
SHIFT.

31
+ 1

CA/AMT
= /TEND

REG 03-04-2001 10:15
C01 MC#01 000004

1 DEPT31 \$1.00
TL \$1.00
CASH \$1.00

Repeat

	OPERATION	RECEIPT												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Item</td> <td style="width: 15%;">Unit price</td> <td style="width: 15%;">\$1.50</td> </tr> <tr> <td></td> <td>Quantity</td> <td>3</td> </tr> <tr> <td></td> <td>Dept.</td> <td>1</td> </tr> <tr> <td>Payment</td> <td>Cash</td> <td>\$10.00</td> </tr> </table>	Item	Unit price	\$1.50		Quantity	3		Dept.	1	Payment	Cash	\$10.00	<p>1 5 0 31 + 1</p> <p>1 0 00 = CA/AMT TEND</p>	<div style="border: 1px solid black; padding: 5px;"> <p>REG 03-04-2001 10:20 C01 MC#01 00005</p> <p>1 DEPT01 \$1.50 1 DEPT01 \$1.50 1 DEPT01 \$1.50</p> <p style="text-align: right;">\$4.50</p> <p>TL CASH \$10.00 CG \$5.50</p> </div> <p style="margin-left: 100px;">Repeat Repeat</p>
Item	Unit price	\$1.50												
	Quantity	3												
	Dept.	1												
Payment	Cash	\$10.00												

Multiplication

	OPERATION	RECEIPT												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Item</td> <td style="width: 15%;">Unit price</td> <td style="width: 15%;">\$1.00</td> </tr> <tr> <td></td> <td>Quantity</td> <td>12</td> </tr> <tr> <td></td> <td>Dept.</td> <td>1</td> </tr> <tr> <td>Payment</td> <td>Cash</td> <td>\$20.00</td> </tr> </table>	Item	Unit price	\$1.00		Quantity	12		Dept.	1	Payment	Cash	\$20.00	<p>1 2 X / FOR DATE TIME Quantity (4-digit integer/2-digit decimal)</p> <p>1 00 31 + 1</p> <p>2 0 00 = CA/AMT TEND</p>	<div style="border: 1px solid black; padding: 5px;"> <p>REG 03-04-2001 10:25 C01 MC#01 000006</p> <p>12 DEPT01 \$12.00</p> <hr/> <p>12 @1/ 1.00 DEPT01 \$12.00</p> <hr/> <p>TL \$12.00 CASH \$20.00 CG \$8.00</p> </div> <p style="margin-left: 100px;">Quantity/result or * Quantity/unit q'ty/@ Result</p>
Item	Unit price	\$1.00												
	Quantity	12												
	Dept.	1												
Payment	Cash	\$20.00												

Split sales of packaged items

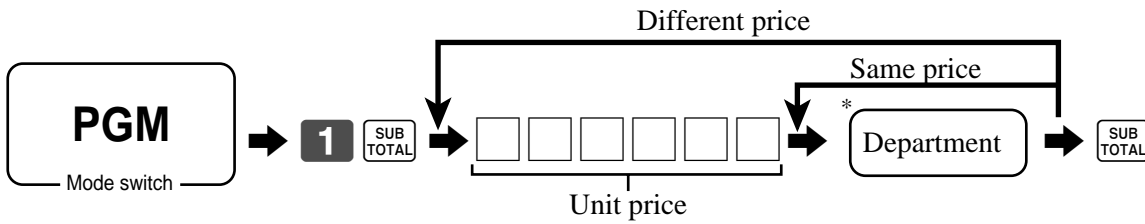
	OPERATION	RECEIPT															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Item</td> <td style="width: 15%;">Unit price</td> <td style="width: 15%;">4 for \$10.00</td> </tr> <tr> <td></td> <td>Quantity</td> <td>3</td> </tr> <tr> <td></td> <td>Dept.</td> <td>1</td> </tr> <tr> <td></td> <td>Taxable</td> <td>No</td> </tr> <tr> <td>Payment</td> <td>Cash</td> <td>\$10.00</td> </tr> </table>	Item	Unit price	4 for \$10.00		Quantity	3		Dept.	1		Taxable	No	Payment	Cash	\$10.00	<p>3 X / FOR DATE TIME Quantity being purchased (4-digit integer/2-digit decimal)</p> <p>4 X / FOR DATE TIME Package quantity (4-digit integer/2-digit decimal)</p> <p>1 0 00 31 + 1 Package price</p> <p>1 0 00 = CA/AMT TEND</p>	<div style="border: 1px solid black; padding: 5px;"> <p>REG 03-04-2001 10:30 C01 MC#01 000007</p> <p>3 DEPT01 \$7.50</p> <hr/> <p>3 @4/ 10.00 DEPT01 \$7.50</p> <hr/> <p>TL \$7.50 CASH \$10.00 CG \$2.50</p> </div> <p style="margin-left: 100px;">Quantity/result or * Quantity/unit q'ty/@ Result</p>
Item	Unit price	4 for \$10.00															
	Quantity	3															
	Dept.	1															
	Taxable	No															
Payment	Cash	\$10.00															

* See address 0522 of the general function program.

Basic Operations and Setups

Programming department keys

To program a unit price for each department



* If you want to designate department 31 through 60, press **DEPT SHIFT** first.

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 14 for information on setting up the tax tables.

Programming procedure

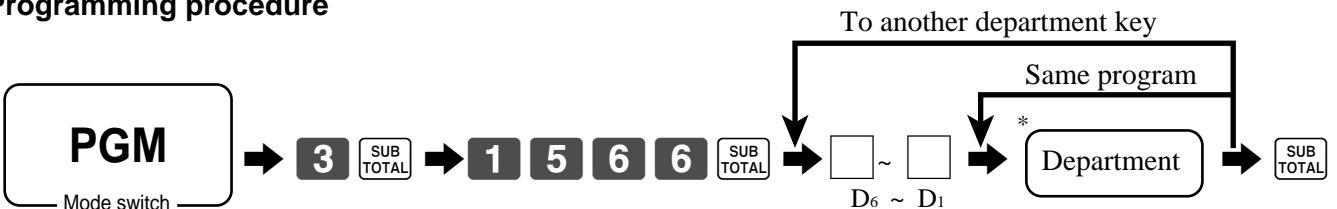


* If you want to designate department 31 through 60, press **DEPT SHIFT** first.

for the U.S.				
Taxable 1 status	a	Yes = 1 No = 0	<input type="checkbox"/> (a+b+c) D ₁	
Taxable 2 status	b	Yes = 2 No = 0		
Taxable 3 status	c	Yes = 4 No = 0		
for Canada				
Non tax = 0	Taxable 3 = 3	Taxable 1 & 3 = 6	<input type="checkbox"/> D ₁	
Taxable 1 = 1	Taxable 4 = 4	Taxable 1 & 4 = 7		
Taxable 2 = 2	Taxable 1 & 2 = 5	Significant number		

To program high amount limit for each department

Programming procedure



* If you want to designate department 31 through 60, press **DEPT SHIFT** first.

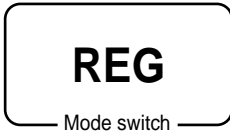
Description	Choice	Program code
High amount limit for entering unit price manually.	Significant numbers	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D ₆ D ₅ ~ D ₂ D ₁

Worksheet for unit price/tax calculation status/high amount limit for each department

Mode/ sub mode	Unit price				Tax status				High amount limit			
	Program 1				Program 3				Program 3			
					<div style="display: flex; justify-content: space-around;"> 0366 SUB TOTAL </div>				<div style="display: flex; justify-content: space-around;"> 1566 SUB TOTAL </div>			
Department 1				31 + 1				31 + 1				31 + 1
Department 2				32 - 2				32 - 2				32 - 2
Department 3				33 × 3				33 × 3				33 × 3
Department 4				34 ÷ 4				34 ÷ 4				34 ÷ 4
Department 5				35 5				35 5				35 5
Department 6				36 6				36 6				36 6
Department 7				37 7				37 7				37 7
Department 8				38 8				38 8				38 8
Department 9				39 9				39 9				39 9
Department 10				40 10				40 10				40 10
Department 11				41 11				41 11				41 11
Department 12				42 12				42 12				42 12
Department 13				43 13				43 13				43 13
Department 14				44 14				44 14				44 14
Department 15				45 15				45 15				45 15
Department 16				46 16				46 16				46 16
Department 17				47 17				47 17				47 17
Department 18				48 18				48 18				48 18
Department 19				49 19				49 19				49 19
Department 20				50 20				50 20				50 20
Department 21				51 21				51 21				51 21
Department 22				52 22				52 22				52 22
Department 23				53 23				53 23				53 23
Department 24				54 24				54 24				54 24
Department 25				55 25				55 25				55 25
Department 26				56 26				56 26				56 26
Department 27				57 27				57 27				57 27
Department 28				58 28				58 28				58 28
Department 29				59 29				59 29				59 29
Department 30				60 30				60 30				60 30
Department 31				DEPT SHIFT 31 + 1				DEPT SHIFT 31 + 1				DEPT SHIFT 31 + 1
Department 32				DEPT SHIFT 32 - 2				DEPT SHIFT 32 - 2				DEPT SHIFT 32 - 2
Department 33				DEPT SHIFT 33 × 3				DEPT SHIFT 33 × 3				DEPT SHIFT 33 × 3
Department 59				DEPT SHIFT 29				DEPT SHIFT 34				DEPT SHIFT 34
Department 60				DEPT SHIFT 60 30				DEPT SHIFT 60 30				DEPT SHIFT 60 30

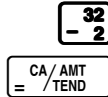
Basic Operations and Setups

Registering department keys by programming data



Preset price

Item	Unit price	(\$1.00) _{preset}
	Quantity	1
	Dept.	2
Payment	Cash	\$1.00

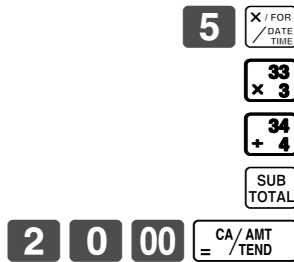


REG	03-04-2001	10:35
C01	MC#01	000008
1 DEPT02		\$1.00
TL		\$1.00
CASH		\$1.00

Department No./unit price

Preset tax status

Item 1	Unit price	(\$2.00) _{preset}
	Quantity	5
	Dept.	3
	Taxable	(1) _{preset}
Item 2	Unit price	(\$2.00) _{preset}
	Quantity	1
	Dept.	4
	Taxable	(2) _{preset}
Payment	Cash	\$20.00



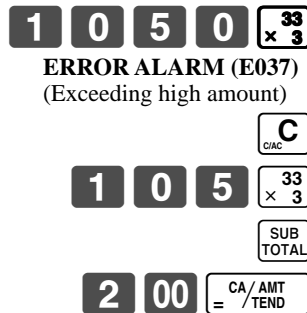
REG	03-04-2001	10:40
C01	MC#01	000009
5 DEPT03	T1	\$10.00
1 DEPT04	T2	\$2.00
TA1		\$10.00
TX1		\$0.40
TA2		\$2.00
TX2		\$0.20
TL		\$12.60
CASH		\$20.00
CG		\$7.40

Tax status

Taxable Amount 1
Tax 1
Taxable Amount 2
Tax 2

Locking out high amount limitation

Item	Unit price	\$1.05
	Quantity	1
	Dept.	3
	Max.amount	(\$10.00) _{preset}
Payment	Cash	\$2.00



REG	03-04-2001	10:45
C01	MC#01	000010
1 DEPT03		\$1.05
TL		\$1.05
CASH		\$2.00
CG		\$0.95

Preparing and using PLUs

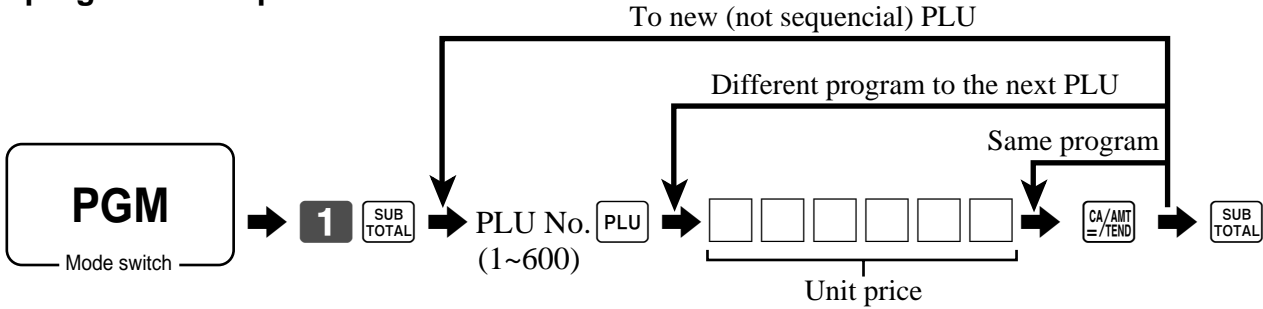
This section describes how to prepare and use PLUs.

CAUTION:

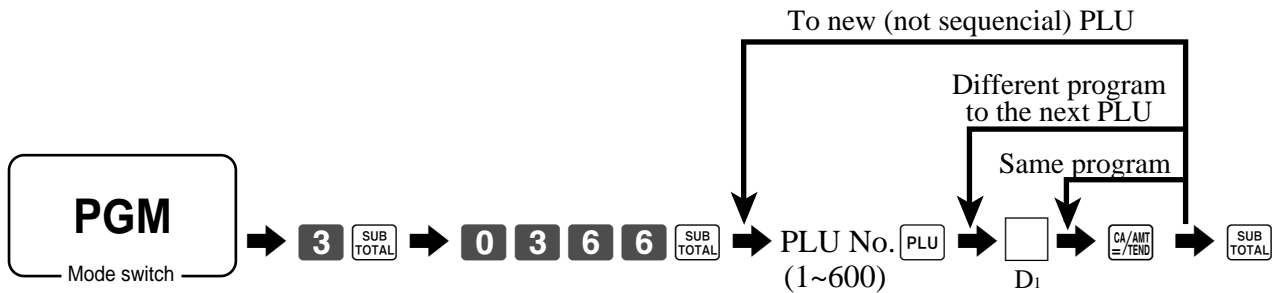
- Before you use PLUs, you must first program the unit price.

Programming PLUs

To program a unit price for each PLU



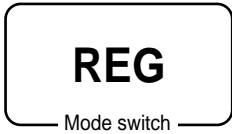
To program tax calculation status for each PLU



for the U.S.				
Taxable 1 status	a	Yes = 1 No = 0		<input type="checkbox"/> (a+b+c) D ₁
Taxable 2 status	b	Yes = 2 No = 0		
Taxable 3 status	c	Yes = 4 No = 0		
for Canada				
Non tax = 0	Taxable 3 = 3	Taxable 1 & 3 = 6	Significant number	<input type="checkbox"/> D ₁
Taxable 1 = 1	Taxable 4 = 4	Taxable 1 & 4 = 7		
Taxable 2 = 2	Taxable 1 & 2 = 5			

Basic Operations and Setups

Registering PLUs



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

PLU single item sale

OPERATION

Item	Unit price	(\$2.50) _{preset}
	Quantity	1
	PLU	14
Payment	Cash	\$3.00

1 4
PLU code

PLU

**SUB
TOTAL**

3 00 = CA/AMT
TEND

RECEIPT

```
REG 03-04-2001 10:50
C01 MC#01 000011
1 PLU0014 $2.50
TL $2.50
CASH $3.00
CG $0.50
```

PLU No./unit price

PLU repeat

OPERATION

Item	Unit price	(\$2.50) _{preset}
	Quantity	3
	PLU	14
Payment	Cash	\$10.00

1 4 **PLU**

PLU

PLU

**SUB
TOTAL**

1 0 00 = CA/AMT
TEND

RECEIPT

```
REG 03-04-2001 10:55
C01 MC#01 000012
1 PLU0014 $2.50
1 PLU0014 $2.50
1 PLU0014 $2.50
TL $7.50
CASH $10.00
CG $2.50
```

PLU multiplication

OPERATION

Item	Unit price	(\$2.00) _{preset}
	Quantity	10
	PLU	7
Payment	Cash	\$20.00

1 0 **X / FOR
DATE
TIME**
Quantity
(4-digit integer/2-digit decimal)

7 **PLU**

**SUB
TOTAL**

2 0 00 = CA/AMT
TEND

RECEIPT

```
REG 03-04-2001 11:00
C01 MC#01 000013
10 PLU0007 $20.00
10 @1/ 2.00
PLU0007 $20.00
TL $20.00
CASH $20.00
CG $0.00
```

Quantity/result
or *

Quantity/unit q'ty/@
Result

* See address 0522 of the general function program.

Split sales of packaged item

OPERATION

RECEIPT

Item	Unit price (5for\$20.00) _{preset}	
	Quantity	3
	PLU	28
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**

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

REG	03-04-2001	11:05
C01	MC#01	000014
3 PLU0028		\$12.00
3	@5/ 20.00	
PLU0028		\$12.00
TL		\$12.00
CASH		\$15.00
CG		\$3.00

Quantity/result
or *
Quantity/unit q'ty/@
Result

* See address 0522 of the general function program.

Shifting the taxable status of an item



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

Calculation merchandise subtotal

OPERATION

RECEIPT

Item 1	Dept. 1	\$4.00
	Quantity	1
	Taxable	(2) _{preset}
Item 2	Dept. 2	\$2.00
	Quantity	1
	Taxable	(No)→1
Item 3	Dept. 3	\$6.00
	Quantity	1
	Taxable	(1)→1, 2
Item 4	Dept. 4	\$7.00
	Quantity	1
	Taxable	(2)→No
Payment	Cash	\$20.00

4 **00** 31 + 1
 T/S1
2 **00** 32 - 2
 Pressing T/S1 changes the tax status from Nontaxable to Taxable 1

6 **00** 33 x 3
 T/S2
 Pressing T/S2 changes the tax status from Taxable 1 to Taxable 1, 2

7 **00** 34 ÷ 4
 T/S2
 Pressing T/S2 changes the tax status from Taxable 2 to Nontaxable

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

REG	03-04-2001	11:10
C01	MC#01	000015
1 DEPT01	T2	\$4.00
1 DEPT02	T1	\$2.00
1 DEPT03	T12	\$6.00
1 DEPT04		\$7.00
TA1		\$8.00
TX1		\$0.32
TA2		\$10.00
TX2		\$0.50
TL		\$19.82
CASH		\$20.00
CG		\$0.18

Important

- To change the tax status of the next item, be sure to press T/S1, T/S2. (Note: You cannot change the tax status 3 during registration. Tax status 3 will only work if it is programmed for a particular department or PLU.)
- If the last item registered is programmed as nontaxable, a discount operation on this item is always nontaxable.

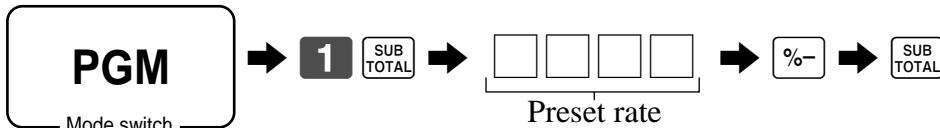
Basic Operations and Setups

Preparing and using discounts

This section describes how to prepare and register discount.

Programming discounts

To program a rate to the **%-** key



Example:

10% ⇒ **1 0**
 5.5% ⇒ **5 . 5**
 12.34% ⇒ **1 2 . 3 4**

Registering discounts



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

Discount for items and subtotals

	OPERATION	RECEIPT																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="3">Item 1</td> <td>Dept. 1</td> <td>\$5.00</td> </tr> <tr> <td>Quantity</td> <td>1</td> </tr> <tr> <td>Taxable</td> <td>(1)_{preset}</td> </tr> <tr> <td rowspan="3">Item 2</td> <td>PLU 16</td> <td>(\$10.00)_{preset}</td> </tr> <tr> <td>Quantity</td> <td>1</td> </tr> <tr> <td>Taxable</td> <td>(2)_{preset}</td> </tr> <tr> <td>Discount</td> <td>Rate</td> <td>(5%)_{preset}</td> </tr> <tr> <td rowspan="2">Subtotal discount</td> <td>Rate</td> <td>3.5%</td> </tr> <tr> <td>Taxable</td> <td>All taxable</td> </tr> <tr> <td>Payment</td> <td>Cash</td> <td>\$15.00</td> </tr> </table>	Item 1	Dept. 1	\$5.00	Quantity	1	Taxable	(1) _{preset}	Item 2	PLU 16	(\$10.00) _{preset}	Quantity	1	Taxable	(2) _{preset}	Discount	Rate	(5%)_{preset}	Subtotal discount	Rate	3.5%	Taxable	All taxable	Payment	Cash	\$15.00	<p>5 00 31 + 1</p> <p>1 6 PLU</p> <p>%-</p> <p>Applies the preset discount rate to the last item registered.</p> <p>SUB TOTAL</p> <p>3 . 5 %-</p> <p>The input value takes priority of the preset value.</p> <p>SUB TOTAL</p> <p>1 5 00 = CA/AMT /TEND</p>	<pre> REG 03-04-2001 11:15 C01 MC#01 000016 1 DEPT01 T1 \$5.00 1 PLU0016 T2 \$10.00 5% %- T2 -0.50 ST \$14.50 3.5% %- -0.51 TA1 \$4.82 TX1 \$0.19 TA2 \$9.17 TX2 \$0.46 TL \$14.64 CASH \$15.00 CG \$0.36 </pre>
Item 1		Dept. 1	\$5.00																								
		Quantity	1																								
	Taxable	(1) _{preset}																									
Item 2	PLU 16	(\$10.00) _{preset}																									
	Quantity	1																									
	Taxable	(2) _{preset}																									
Discount	Rate	(5%)_{preset}																									
Subtotal discount	Rate	3.5%																									
	Taxable	All taxable																									
Payment	Cash	\$15.00																									

- 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 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 (see page 66).

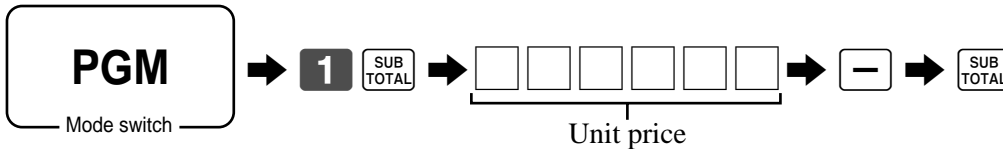
Preparing and using reductions

This section describes how to prepare and register reductions.

Programming for reductions

You can use the **[-]** key to reduce single item or subtotal amounts.

To program preset reduction amount



Registering reductions



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

Reduction for items

	Dept. 1	\$5.00
Item 1	Quantity	1
	Taxable	(1) _{preset}
Reduction	Amount	\$0.25
Item 2	PLU 45	(\$6.00) _{preset}
	Quantity	1
	Taxable	(1) _{preset}
Reduction	Amount	(\$0.50)_{preset}
Payment	Cash	\$11.00

OPERATION

5 00 ³¹+ 1

2 5 [-]

Reduces the last amount registered by the value input.

4 5 PLU

[-]

SUB TOTAL

1 1 00 CA/AMT = /TEND

RECEIPT

```

REG 03-04-2001 11:20
C01 MC#01 000017

1 DEPT01 T1 $5.00
- T1 -0.25
1 PLU0045 T1 $6.00
- T1 -0.50
TA1 $10.25
TX1 $0.41
TL $10.66
CASH $11.00
CG $0.34
    
```

- You can manually input reduction values up to 7 digits long.
- If you want to subtract the reduction amount from the department or PLU totalizer, program “Net totalling” (refer to page 57).

Basic Operations and Setups

Reduction for subtotal

OPERATION			RECEIPT
Item 1	Dept. 1	\$3.00	<pre> REG 03-04-2001 11:25 C01 MC#01 000018 1 DEPT01 T1 \$3.00 1 DEPT02 T2 \$4.00 - -0.75 TA1 \$3.00 TX1 \$0.12 TA2 \$4.00 TX2 \$0.20 TL \$6.57 CASH \$7.00 CG \$0.43 </pre>
	Quantity	1	
	Taxable	(1) _{preset}	
Item 2	Dept. 2	\$4.00	
	Quantity	1	
	Taxable	(2) _{preset}	
Subtotal Reduction	Amount	\$0.75	
	Taxable	(No)_{preset}	
Payment	Cash	\$7.00	

3 00 31
+ 1
4 00 32
- 2
7 5 SUB
TOTAL
7 00 = CA/AMT
TEND

Reduces the subtotal by the value input here.

Taxable status of the - key

- Whenever you perform a reduction operation on a subtotal amount, the tax calculation for the subtotal amount is performed in accordance with the tax status programmed for the - key (see page 67).

Registering credit and check payments

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



Check

OPERATION			RECEIPT
Item	Dept. 1	\$11.00	<pre> REG 03-04-2001 11:30 C01 MC#01 000019 1 DEPT01 \$11.00 TL \$11.00 CHECK \$20.00 CG \$9.00 </pre>
	Quantity	1	
Payment	Check	\$20.00	

1 1 00 31
+ 1
2 0 00 SUB
TOTAL
2 0 00 CHK/
TEND

Credit

OPERATION			RECEIPT
Item	Dept. 4	\$15.00	<pre> REG 03-04-2001 11:35 C01 MC#01 000020 1 DEPT04 \$15.00 #/NS 1234 TL \$15.00 CREDIT1 \$15.00 </pre>
	Quantity	1	
Reference Number	1234		
Payment	Credit	\$15.00	

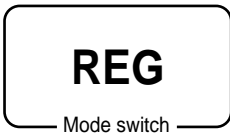
1 5 00 34
÷ 4
1 2 3 4 #/
NS
1 2 3 4 CR1

Reference No.

Mixed tender (cash, credit and check)

OPERATION			RECEIPT		
Item	Dept. 4	\$55.00	5 5 00	34 + 4	REG 03-04-2001 11:40 C01 MC#01 000021 1 DEPT04 \$55.00 TL \$55.00 CHECK \$30.00 CASH \$5.00 CREDIT1 \$20.00
	Quantity	1		SUB TOTAL	
Payment	Check	\$30.00	3 0 00	CHK/ TEND	
	Cash	\$5.00	5 00	= CA/AMT TEND	
	Credit	\$20.00		CR1	

Validation printing

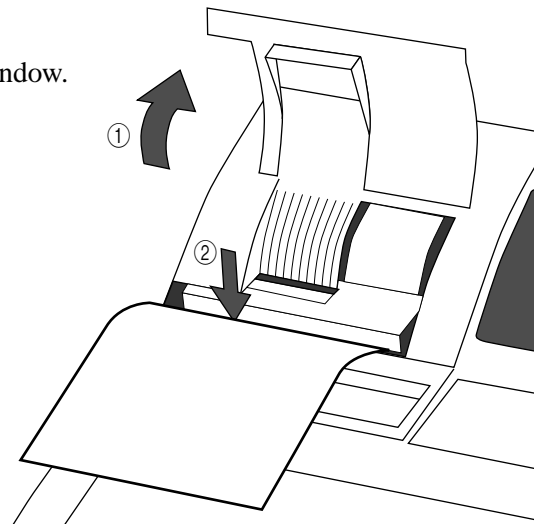


You can perform total amount validation following finalization using **[CA/AMT=TEND]**, **[CH]**, **[CHK/TEND]**, **[CR1]**, **[CR2]** keys and **[RC]**, **[PD]** keys. Also you can perform single item validation.

Total amount validation

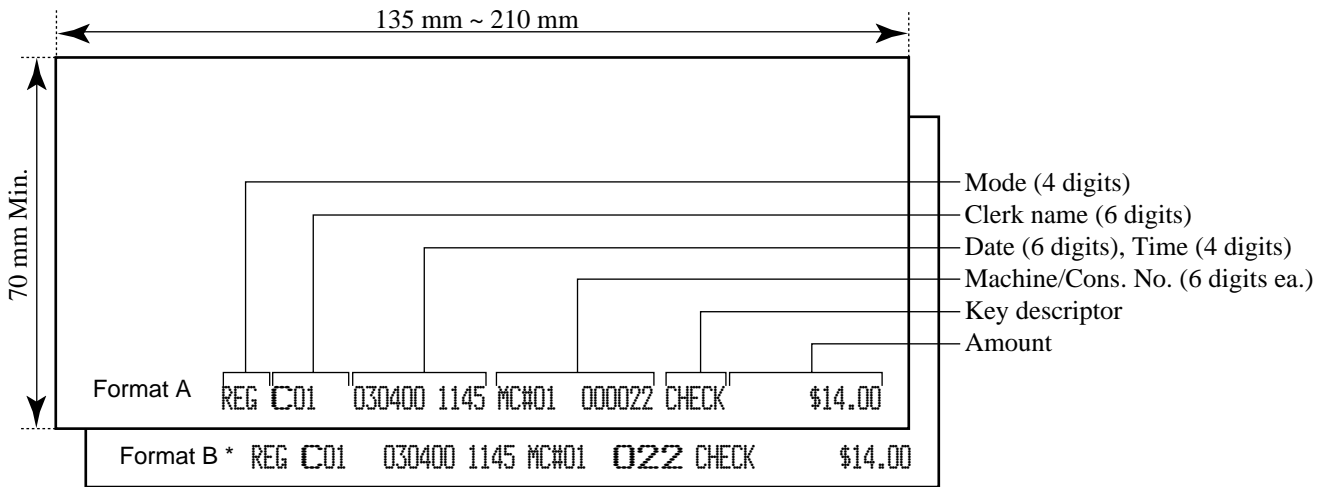
OPERATION			RECEIPT		
Item	Dept. 1	\$14.00	1 4 00	31 + 1	REG 03-04-2001 11:45 C01 MC#01 000022 1 DEPT01 \$14.00 TL \$14.00 CHECK \$20.00 CG \$6.00
	Quantity	1		SUB TOTAL	
Payment	Check	\$20.00	2 0 00	CHK/ TEND	
Validation					

- ① Open the journal window.
- ② Insert paper.
- ③ Press **[VALID]**.



Basic Operations and Setups

Validation sample



* Print consecutive No. by double sized letter (refer to the general control programming address 0522).

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

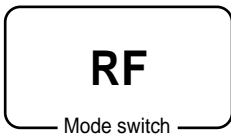
2 3 5 $\begin{matrix} 31 \\ + \\ 1 \end{matrix}$
2 00 $\begin{matrix} 32 \\ - \\ 2 \end{matrix}$
1 PLU
RF
2 3 5 $\begin{matrix} 31 \\ + \\ 1 \end{matrix}$
 Press **RF** before the item you want to return.
RF
1 PLU
 SUB TOTAL
 = CA/AMT TEND

```

REG 03-04-2001 11:50
C01 MC#01 000023

1 DEPT01 $2.35
1 DEPT02 $2.00
1 PLU0001 $1.20
RF .....
1 DEPT01 -2.35
RF .....
1 PLU0001 -1.20
TL $2.00
CASH $2.00
  
```

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	Dept. 1	\$1.50	1	5	0	31 + 1	<div style="text-align: right; font-size: small;">RF mode symbol</div> RF 03-04-2001 11:55 C01 MC#01 000024 1 DEPT01 \$1.50 1 DEPT01 \$1.50 6 PLU0002 \$7.20 TL \$10.20 CASH \$10.20
	Quantity	2				31 + 1	
Returned Item 2	PLU 2	(\$1.20) _{preset}	6			X / FOR / DATE TIME	
	Quantity	6	2			PLU	
Payment	Cash	\$10.20				CA / AMT = / TEND	

Reduction of amounts paid on refund

OPERATION			RECEIPT			
Returned Item 1	Dept. 3	\$4.00	4	00	33 x 3	RF 03-04-2001 12:00 C01 MC#01 000025 1 DEPT03 T1 \$4.00 - T1 -0.15 1 PLU0002 T2 \$1.20 5% %- T2 -0.06 TA1 \$3.85 TX1 \$0.15 TA2 \$1.14 TX2 \$0.06 TL \$5.20 CASH \$5.20
	Quantity	1	1	5	-	
Reduction	Amount	\$0.15	2		PLU	
Returned Item 2	PLU 2	(\$1.20) _{preset}			%-	
	Quantity	1			SUB TOTAL	
Discount	Rate	(5%) _{preset}			CA / AMT = / TEND	
Payment	Cash	\$5.20				

Important!

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

Basic Operations and Setups

Registering money received on account

REG

Mode switch

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

OPERATION

RECEIPT

Received amount	\$700.00
-----------------	----------

7 00 00 RC

Amount can be up to 8 digits.

REG	03-04-2001	12:05
C01	MC#01	000026
RC		\$700.00

Registering money paid out

REG

Mode switch

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

OPERATION

RECEIPT

Paid out amount	\$1.50
-----------------	--------

1 5 0 PD

Amount can be up to 8 digits.

REG	03-04-2001	12:10
C01	MC#01	000027
PD		\$1.50

Making corrections in a registration

REG

Mode switch

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

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

To correct an item you input but not yet registered

OPERATION

RECEIPT

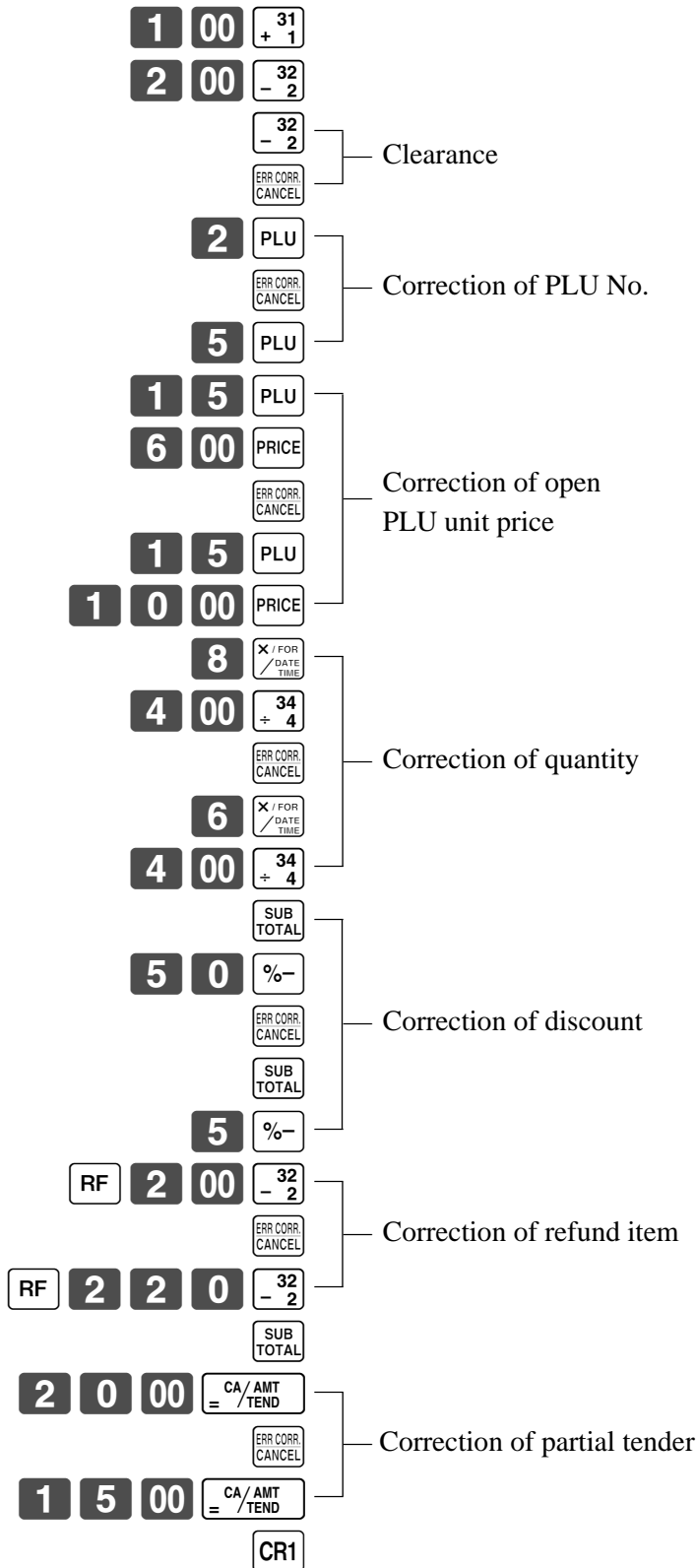
<p>2 00</p> <p>1 00 C <small>C/IAC</small></p> <p>1 2 X / FOR <small>DATE TIME</small></p> <p>1 1 X / FOR <small>DATE TIME</small></p> <p>2 00 32 - 2</p> <p>2 C <small>C/IAC</small></p> <p>3 PLU</p> <p>1 5 PLU Enter PLU No.</p> <p>6 00 Enter unit price.</p> <p>1 5 PLU Enter PLU No. again.</p> <p>1 0 00 PRICE Enter unit price again and press PRICE.</p> <p>1 0 00 SUB TOTAL</p> <p>1 5 00 C <small>C/IAC</small></p> <p>1 5 00 CA / AMT = / TEND</p> <p>CR1</p>	<p>Correction of unit price</p> <p>Correction of quantity</p> <p>Correction of PLU No.</p> <p>Correction of open PLU unit price (Refer to page 61 for programming open PLU.)</p> <p>Correction of partial tender amount</p>	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td colspan="2">REG 03-04-2001 12:15</td> </tr> <tr> <td>C01</td> <td>MC#01 000028</td> </tr> <tr> <td>1 DEPT01</td> <td>\$1.00</td> </tr> <tr> <td>11 DEPT02</td> <td>\$22.00</td> </tr> <tr> <td>1 PLU0003</td> <td>\$1.30</td> </tr> <tr> <td>1 PLU0015</td> <td>\$10.00</td> </tr> <tr> <td>TL</td> <td>\$34.30</td> </tr> <tr> <td>CASH</td> <td>\$15.00</td> </tr> <tr> <td>CREDIT1</td> <td>\$19.30</td> </tr> </table>	REG 03-04-2001 12:15		C01	MC#01 000028	1 DEPT01	\$1.00	11 DEPT02	\$22.00	1 PLU0003	\$1.30	1 PLU0015	\$10.00	TL	\$34.30	CASH	\$15.00	CREDIT1	\$19.30
REG 03-04-2001 12:15																				
C01	MC#01 000028																			
1 DEPT01	\$1.00																			
11 DEPT02	\$22.00																			
1 PLU0003	\$1.30																			
1 PLU0015	\$10.00																			
TL	\$34.30																			
CASH	\$15.00																			
CREDIT1	\$19.30																			

Basic Operations and Setups

To correct an item you input and registered

OPERATION

RECEIPT



REG	03-04-2001	12:20
C01	MC#01	000029
1	DEPT01	\$1.00
1	DEPT02	\$2.00
1	DEPT02	\$2.00
	CORR	-2.00
1	PLU0002	\$1.20
	CORR	-1.20
1	PLU0005	\$1.50
1	PLU0015	\$6.00
	CORR	-6.00
1	PLU0015	\$10.00
8	DEPT04	\$32.00
	CORR	-32.00
6	DEPT04	\$24.00
	ST	\$38.50
	50%	
	%-	-19.25
	CORR	\$19.25
	ST	\$38.50
	5%	
	%-	-1.93
	RF	.....
1	DEPT02	-2.00
	CORR	\$2.00
	RF	.....
1	DEPT02	-2.20
	TL	\$34.37
	CASH	\$20.00
	CORR	-20.00
	CASH	\$15.00
	CREDIT1	\$19.37

To cancel all items in a transaction

OPERATION	RECEIPT
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;">00</div> <div style="border: 1px solid black; padding: 2px;">31 + 1</div> </div> <div style="display: flex; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">00</div> <div style="border: 1px solid black; padding: 2px;">32 - 2</div> </div> <div style="display: flex; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">00</div> <div style="border: 1px solid black; padding: 2px;">33 × 3</div> </div> <div style="display: flex; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">00</div> <div style="border: 1px solid black; padding: 2px;">34 ÷ 4</div> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">SUB TOTAL</div> </div>	<div style="border: 1px solid black; padding: 5px;"> <pre> REG 03-04-2001 12:25 C01 MC#01 000030 1 DEPT01 \$1.00 1 DEPT02 \$2.00 1 DEPT03 \$3.00 1 DEPT04 \$4.00 CANCEL </pre> </div>
<p>Pressing SUB TOTAL key is necessary to cancel the transaction.</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px; width: fit-content; margin-left: auto;">ERR CORR. CANCEL</div>	

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
<div style="border: 1px solid black; padding: 2px; margin-left: auto; margin-bottom: 10px;"># / NS</div>	<div style="border: 1px solid black; padding: 5px;"> <pre> REG 03-04-2001 12:30 C01 MC#01 000031 # / NS </pre> </div>

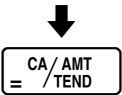
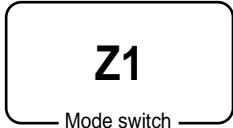
Basic Operations and Setups

Printing the daily sales reset report

This report shows daily sales totals.

OPERATION

REPORT



Z 03-04-2001 18:50	Date/time
C01 MC#01 000123	Clerk name/mc No./consecutive No.

Z BATCH01	Report title

Z FIX 0001	Fixed total report title/reset counter
0001011	Report code
GROSS 981.25	Gross total *2
\$6,574.40	
NET No 111	Net total *2
\$7,057.14	
CAID \$1,919.04	Cash in drawer *2
CHID \$139.04	Charge in drawer *2
CKID \$859.85	Check in drawer *2
CRID(1) \$709.85	Credit in drawer *2

RF No 3	Refund mode *2
\$10.22	

TA1 \$2,369.69	Taxable 1 amount *2
TX1 \$128.86	Tax 1 amount *2
TA2 \$2,172.96	Taxable 2 amount *2
TX2 \$217.33	Tax 2 amount *2

GT1 \$00000000125478.96	Grand total 1 *2
GT2 \$00000000346284.23	Grand total 2 *2
GT3 \$00000000123212.75	Grand total 3 *2

Z TRANS 0001	Function key report title/reset counter
0001012	Report code

CASH No 362	Function key count/amount *1
\$1,638.04	
CHARGE No 56	
\$1,174.85	
RC No 4	

PD	No 5	\$810.00	
		\$520.00	
		\$5.00	
CORR	No 14	\$39.55	
VLD	No 19		
RCT	No 3		
#/NS	No 5		

Z DEPT	0001		Department report title/reset counter
	0001015		Report code

DEPT01	203.25		Department count/amount *1
	\$1,108.54		
DEPT02	183		
	\$1,362.26		

DEPT60		\$17.22	

TL	421.25		Department total count/total amount
	\$2,872.28		

Z CASHIER	0001		Clerk report title/reset counter
	0001017		Report code

C01	.....1		Clerk name/drawer No. *1
NET	No 111		Net total *1
	\$1,845.35		

C02	.....1		Clerk name/drawer No.

*1 Zero totalled departments/functions/clerks are not printed by programming.

*2 These items can be skipped by programming.



Advanced Operations and Setups

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

Single item cash sales

A department key or PLU programmed with single item sale status finalizes the transaction as soon as it is registered.

The single item sales function can only be used for cash sales.

Example 1

OPERATION			RECEIPT		
Item	Dept. 1	\$1.00	1 00 <input type="checkbox"/> 31 <input checked="" type="checkbox"/> 1 The transaction is immediately finalized.	REG 03-04-2001 13:00 — Mode/date/time C01 MC#01 000101 — Clerk/consecutive No. 1 DEPT01 \$1.00 — Department No./unit price TL \$1.00 — Total amount CASH \$1.00	
	Quantity	1			
	Status	S.I.S			
Payment	Cash	\$1.00			

Example 2

OPERATION			RECEIPT		
Item	Dept. 1	(\$1.00)	3 <input checked="" type="checkbox"/> FOR DATE TIME <input type="checkbox"/> 31 <input checked="" type="checkbox"/> 1 The transaction is immediately finalized.	REG 03-04-2001 13:05 C01 MC#01 000102 3 DEPT01 \$3.00 TL \$3.00 CASH \$3.00	
	Quantity	3			
	Status	S.I.S			
Payment	Cash	\$3.00			

Example 3

OPERATION			RECEIPT		
Item 1	Dept. 3	\$2.00	2 00 <input checked="" type="checkbox"/> 33 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 31 <input checked="" type="checkbox"/> 1 The transaction is not finalized. Because another item is registered before the single item sales department.	REG 03-04-2001 13:10 C01 MC#01 000103 1 DEPT03 \$2.00 1 DEPT01 \$1.00 TL \$3.00 CASH \$3.00	
	Quantity	1			
	Status	Normal			
Item 2	Dept. 1	(\$1.00)	<input type="checkbox"/> CA/AMT <input checked="" type="checkbox"/> TEND		
	Quantity	1			
	Status	S.I.S			
Payment	Cash	\$3.00			

For programming single item status, refer to page 63.

Currency exchange function

When **CE** is pressed, a current subtotal including tax is converted directly into foreign currency and the result is displayed, and the subsequent finalization is handled using the foreign currency. The currency exchange function is released by finalizing a transaction, partial tender operation, receipt issuance, or by pressing **SUB TOTAL**. Before using the currency exchange function, it is necessary to program the conversion rate.

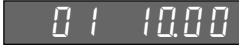



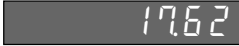
Registering foreign currency

Full amount tender in foreign currency

* Pre-programmed exchange rate: ¥ 100 = \$0.9524

Important!

Tenders in a foreign currency can be registered using **CA/AMT** and **CHK/TEND** only. Other finalize keys cannot be used.

OPERATION	DISPLAY	RECEIPT
1 0 00 + 31 ← Enter the unit price and press the applicable department key.	 (Displays in \$)	<pre> REG 03-04-2001 13:35 C01 MC#01 000110 1 DEPT01 \$10.00 1 DEPT02 \$20.00 TL \$30.00 CE CASH ¥5,000 CASH \$47.62 CG \$17.62 </pre>
2 0 00 - 32 ← Enter the next unit price and press the applicable department key.	 (Displays in \$)	
CE SUB TOTAL ← Press CE and SUB TOTAL without entering a numeric value. This operation converts the subtotal (including tax) dollar value into yen by applying a pre-programmed exchange rate. The result is shown on the display and printed on the receipt/journal by programming.	 (Displays in ¥: 3,150)	
5 0 00 CE ← Enter the amount tendered in yen and press CE . This operation converts the entered yen amount into dollars by applying a pre-programmed exchange rate. The result is shown on the display.	 (5,000)	
CA/AMT = TEND ← Press to finalize the transaction. Note that you do not need to reenter the dollar amount. The register automatically calculates the change amount due in dollars and shows it on the display, receipts and journal.	 (Displays in \$)	

Advanced Operations and Setups

Partial tender in a foreign currency

* Pre-programmed exchange rate: ¥ 100 = \$0.9524

Important!

Partial tender in a foreign currency can be registered using **CA/AMT =/TEND** and **CHK/TEND** only. Other finalization keys cannot be used, but the remaining tender can be finalized using any finalize key.

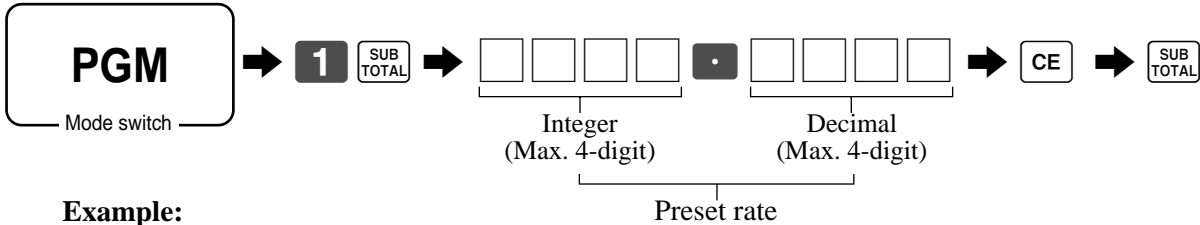
OPERATION	DISPLAY	RECEIPT
1 0 00 + 1 ← Enter the unit price and press the applicable department key.	01 10.00 (Displays in \$)	<pre> REG 03-04-2001 13:40 C01 MC#01 000111 1 DEPT01 \$10.00 1 DEPT02 \$20.00 TL \$30.00 CE CASH ¥2,000 CASH \$19.05 CHECK \$10.95 </pre>
2 0 00 - 2 ← Enter the next unit price and press the applicable department key.	02 20.00 (Displays in \$)	
CE SUB TOTAL ← Press CE and SUB TOTAL without entering a numeric value. This operation converts the subtotal (including tax) dollar value into yen by applying a pre-programmed exchange rate. The result is shown on the display and printed on the receipt/journal by programming.	3.150 (Displays in ¥: 3,150)	
2 0 00 CE (2,000) ← Enter the partial amount tendered in yen and press CE . This operation converts the entered yen amount into dollars by applying a pre-programmed exchange rate. The result is shown on the display.	2.000	
CA/AMT =/TEND ← Press CA/AMT =/TEND to specify cash tender for the yen partial tender. Note that you do not need to reenter the dollar amount. The register automatically deducts the dollar equivalent of the yen amount tendered from the total amount due and shows the amount on the display.	10.95 (Displays in \$)	
CHK/TEND ← Press to finalize the transaction.	10.95 (Displays in \$)	

Currency exchange programming

Attribution of **CE** programming

Please refer to page 67.

Exchange rate programming



Example:

\$1.00 = ¥110.50 ⇨ **1** . **1 0 5**
 ¥100 = \$0.9050 ⇨ **0** . **9 0 5**

Post-finalization receipt

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 receipt key must be set to OFF. (RCT indicator: OFF)
- The transaction must be finalized in the REG or RF mode using the **CA/AMT**, **CH**, **CR1**, **CR2** or **CHK/TEND** key.

Post-finalization receipt example

OPERATION			RECEIPT	
Item 1	Unit price	\$10.00	1 0 00 31	<pre> REG 03-04-2001 13:45 C01 MC#01 000112 CT 1 1 DEPT01 \$10.00 1 DEPT02 \$20.00 TL \$30.00 CASH \$30.00 CG \$0.00 </pre>
	Quantity	1	2 0 00 32	
	Dept.	1	SUB TOTAL	
Item 2	Unit price	\$20.00	3 0 00 CA/AMT	
	Quantity	1	=/TEND	
	Dept.	2	RECEIPT	
Payment	Cash	\$30.00	Receipt is not issued.	Post-finalization receipt is issued.

Number of customer

Important!




















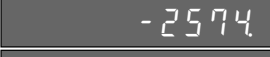
























- Only one post-finalization receipt per transaction can be issued after initialization.
 You can program the number of post-finalization receipt per transaction (refer to page 68).

Advanced Operations and Setups























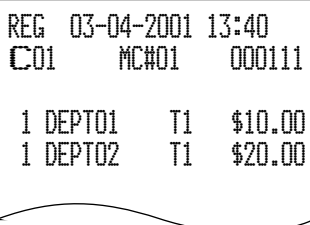


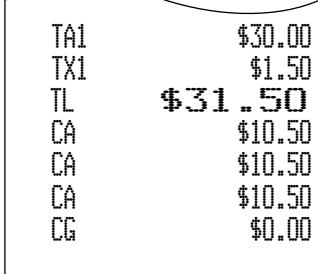
Calculator functions

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)×78=	        	
(4×3-6)/3.5+8=	           	
12 % on 1500	         	

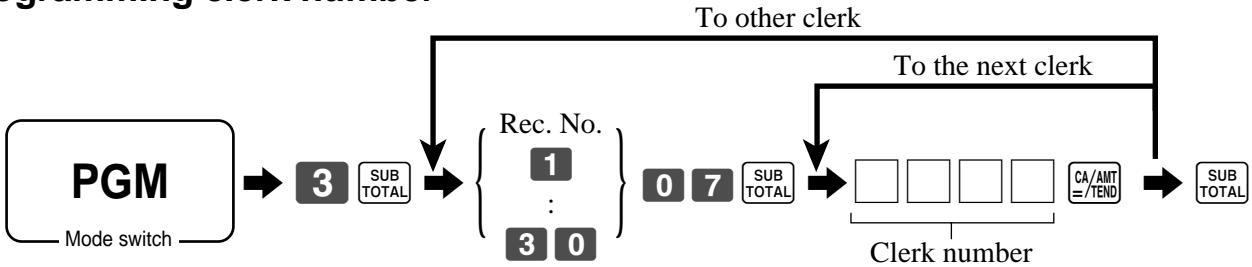
Example 2 (Memory recall)

	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="3"> Payment by 3 persons Cash \$10.50_{each} </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 \$10.50_{each}			<p>Turn to REG</p> <p>    </p> <p>    </p> <p></p> <p>Turn to CAL</p> <p></p> <p>Memory recall: Recalls subtotal amount</p> <p>   </p> <p>Divides the subtotal by 3 persons</p> <p>Turn to REG</p> <p></p> <p>Memory recall: Recalls the result amount</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 \$10.50_{each}																							

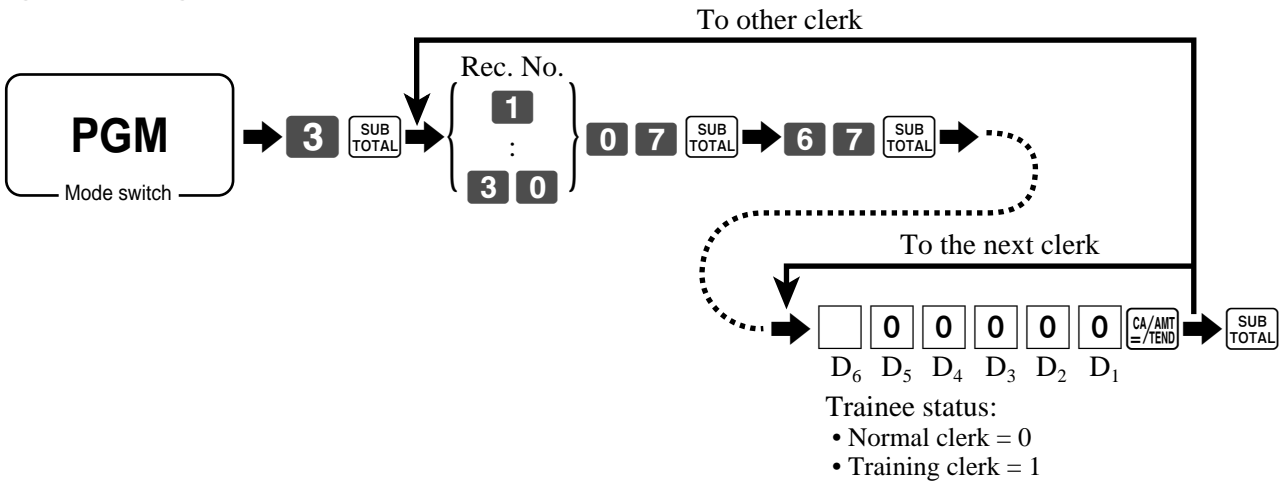
Programming to clerk

You can program up to 4-digit assigning number (clerk number), trainee status of clerk (i.e. training cashier) and commission rate for each clerk.

Programming clerk number



Programming trainee status



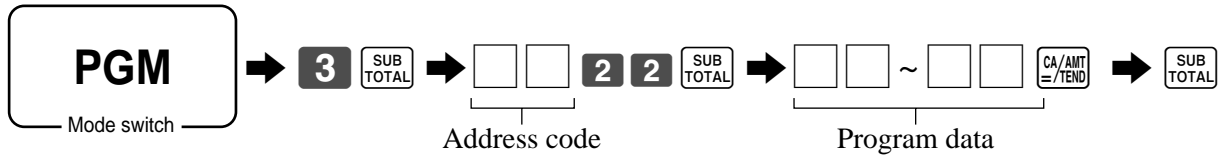
Record No.	Clerk number				Trainee status		Record No.	Clerk number				Trainee status	
	D4	D3	D2	D1	D6	00000		D4	D3	D2	D1	D6	00000
1						00000	16						00000
2						00000	17						00000
3						00000	18						00000
4						00000	19						00000
5						00000	20						00000
6						00000	21						00000
7						00000	22						00000
8						00000	23						00000
9						00000	24						00000
10						00000	25						00000
11						00000	26						00000
12						00000	27						00000
13						00000	28						00000
14						00000	29						00000
15						00000	30						00000

Advanced Operations and Setups

Programming machine features

You can program several machine features by the general control file.

Programming to general control file



Address code 0122

Description	Choice	Program code
Date order Year/Month/Day = 0, 1 Day/Month/Year = 2, Month/Day/Year = 3	Significant number (0 ~ 3)	<input type="checkbox"/> D ₁₀
Monetary mode □ = 0, □□ = 1, □□□ = 2, □□□□ = 3	Significant number (0 ~ 3)	<input type="checkbox"/> D ₉
Always "0000"		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D ₈ D ₇ D ₆ D ₅
Always "0000"		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D ₄ D ₃ D ₂ D ₁

Address code 0322

Description	Choice	Program code
Reset consecutive number after daily fixed total reset report is issued.	Yes = 1 No = 0	<input type="checkbox"/> D ₈
Always "0"		<input type="checkbox"/> D ₇
Consecutive number start value		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D ₆ D ₅ D ₄ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D ₃ D ₂ D ₁

Address code 0422

Description	Choice	Program code
Tax system U.S. tax system = 1 , Canadian tax system = 2	Significant number (1 ~ 2)	<input type="checkbox"/> D ₉
Receipt on/off Controlled by receipt on/off key = 0 Always on (issue) = 1, Always off (not issue) = 2	Significant number (0 ~ 2)	<input type="checkbox"/> D ₈
Allow amount tender in RF/REG- mode operation.	a Yes = 0 No = 2	<input type="checkbox"/> (a+b) D ₇
Cash drawer opening: ① Immediately when the transaction is finalized. ② After validation compulsory is released.	b ① = 0 ② = 4	
Always "00"		<input type="checkbox"/> <input type="checkbox"/> D ₆ D ₅
High amount limit specification for cash in drawer amount. (Sentinel function)	Maximum value (0 ~ 9)	<input type="checkbox"/> <input type="checkbox"/> D ₄ D ₃
	Number or zeros (0 ~ 9)	
Always "00"		<input type="checkbox"/> <input type="checkbox"/> D ₂ D ₁

Address code 0522

Description	Choice	Program code
Print total line during finalization.	a Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D ₁₀
Time system: ① 24 hour system, ② 12 hour system	b ① = 0 ② = 2	
Feed one line after issuing receipt.	c No = 0 Yes = 4	
Print consecutive number by double sized letter (up to 3 digits). (Refer to Format B on page 42.)	a No = 0 Yes = 1	<input type="checkbox"/> (a+b) D ₉
Buffered receipt print	b No = 0 Yes = 2	
Skip item lines on journal. (journal skip)	No = 0 Yes = 1	<input type="checkbox"/> D ₈
Always "000"		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D ₇ D ₆ D ₅
Print number of item sold.	a No = 0 Yes = 1	<input type="checkbox"/> (a+b) D ₄
Print tax symbols.	b Yes = 0 No = 2	
Always "0"		<input type="checkbox"/> D ₃
Print multiplication or item consolidation in one line.	Yes = 0 No = 4	<input type="checkbox"/> D ₂
Print number of customers on header.	a Yes = 0 No = 2	<input type="checkbox"/> (a+b) D ₁
Print PLU number on receipt.	b No = 0 Yes = 4	

Address code 0622

Description	Choice	Program code
Follow the taxable status of <input type="checkbox"/> to the previous item.	a Yes = 0 No = 1	<input type="checkbox"/> (a+b) D ₁₀
Force a money declaration before read/reset operation.	b No = 0 Yes = 4	
Force to press <input type="checkbox"/> before finalization	a No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D ₉
Allow credit balance while finalization.	b Yes = 0 No = 2	
Allow multiple refund/register minus operation.	c Yes = 0 No = 4	
Affect the result of <input type="checkbox"/> , %- to the item. (Net totalling)	a No = 0 Yes = 1	<input type="checkbox"/> (a+b) D ₈
Include add-on tax in net total	b Yes = 0 No = 2	
Treatment of department key numeric inputs: ① Treat as amount override ② Treat as quantity extensions	① = 0 ② = 4	<input type="checkbox"/> D ₇
Clear the key buffer when a receipt is issued.	a No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D ₆
Sounds key catch tone.	b Yes = 0 No = 2	
Allow to issue post receipt, even if the original one is issued.	c No = 0 Yes = 4	
Display "seconds" during time display.	No = 0 Yes = 2	<input type="checkbox"/> D ₅
RF mode status	RF = 0 REG- = 1	<input type="checkbox"/> D ₄
Allow one registration of -, %- per one transaction.	No = 0 Yes = 4	<input type="checkbox"/> D ₃
Always "0"		<input type="checkbox"/> D ₂
Allow numeric entry while compulsory drawer opening.	Yes = 0 No = 2	<input type="checkbox"/> D ₁

Advanced Operations and Setups

Address code 0822

Description		Choice	Program code
Print gross sales total on fixed total report (GROSS)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D ₁₀
Print net sales total on fixed total report (NET)	b	Yes = 0 No = 2	
Print cash in drawer total on fixed total report (CAID)	c	Yes = 0 No = 4	
Print charge in drawer total on fixed total report (CHID)		Yes = 5 No = 7	<input type="checkbox"/> D ₉
Print check in drawer total on fixed total report (CKID)		Yes = 6 No = 7	<input type="checkbox"/> D ₈
Print credit in drawer total on fixed total report (CRID(1) ~ (2))		Yes = 3 No = 7	
Print check and credit in drawer total on fixed total report.		Yes = 2 No = 7	
Always "7"			<input checked="" type="checkbox"/> D ₇
Print RF mode total on fixed total report (RF)		Yes = 3 No = 7	<input type="checkbox"/> D ₆
Print the net number of customers on fixed total report (CUST)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D ₅
Print the average sales per customer on fixed total report (AVRG)	b	Yes = 0 No = 2	
Print <input type="checkbox"/> (equal) count on fixed total report (CAL MODE)		Yes = 5 No = 7	<input type="checkbox"/> D ₄
Always "7"			<input checked="" type="checkbox"/> D ₃
Always "7"			<input checked="" type="checkbox"/> D ₂
Print cancellation total on fixed total report (CANCEL)		Yes = 3 No = 7	<input type="checkbox"/> D ₁

Address code 0922

Description	Choice	Program code
Print taxable amount 1 total and tax 1 total on fixed total report (TA1, TX1)	Yes = 4 No = 7	<input type="checkbox"/> D ₁₀
Print taxable amount 2 total and tax 2 total on fixed total report (TA2, TX2)	Yes = 4 No = 7	<input type="checkbox"/> D ₉
Print taxable amount 3 total and tax 3 total on fixed total report (TA3, TX3)	Yes = 4 No = 7	<input type="checkbox"/> D ₈
Print taxable amount 4 total and tax 4 total on fixed total report (TA4, TX4)	Yes = 4 No = 7	<input type="checkbox"/> D ₇
Always "7777777"		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> D ₆ D ₅ D ₄ D ₃ D ₂ D ₁

Address code 1022

Description		Choice	Program code
Print taxable amount 1 on receipt/journal.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D ₁₀
Print taxable amount 2 on receipt/journal.	b	Yes = 0 No = 2	
Print taxable amount 3 on receipt/journal.	c	Yes = 0 No = 4	
Print taxable amount 4 on receipt/journal.		Yes = 6 No = 7	<input type="checkbox"/> D ₉
Always "00"			<input type="checkbox"/> <input type="checkbox"/> D ₈ D ₇
Open drawer when <input type="checkbox"/> (equal) is pressed in CAL mode. (Not effective, during registration.)	a	Yes = 1 No = 0	<input type="checkbox"/> (a+b) D ₆
Open drawer when <input type="checkbox"/> is pressed in CAL mode. (Not effective, during registration.)	b	Yes = 2 No = 0	
Always "0"			<input type="checkbox"/> D ₅
Till timer (00 ~ 59 minutes)		Significant numbers	<input type="checkbox"/> <input type="checkbox"/> D ₄ D ₃
Till timer (00 ~ 59 seconds)		Significant numbers	<input type="checkbox"/> <input type="checkbox"/> D ₂ D ₁

Address code 1422

Description		Choice	Program code
Monetary mode of foreign currency:		Significant number (0 ~ 9)	<input type="checkbox"/> D ₈
Decimal for foreign currency: ① Period = 0, ② Comma = 1	a	① = 0 ② = 1	<input type="checkbox"/> (a+b) D ₇
Separator for foreign currency: ① Comma = 0, ② Period = 1	b	① = 0 ② = 4	
Always "000000"			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D ₆ D ₅ D ₄ D ₃ D ₂ D ₁

Address code 1522

Description		Choice	Program code
Print PLU number on the PLU report.		No = 0 Yes = 4	<input type="checkbox"/> D ₅
Print sales ratio.		No = 0 Yes = 1	<input type="checkbox"/> D ₄
Print average sales in the monthly report.		Yes = 0 No = 1	<input type="checkbox"/> D ₃
Always "00"			<input type="checkbox"/> <input type="checkbox"/> D ₂ D ₁

Advanced Operations and Setups

Address code 1622

Description		Choice	Program code
Print grand total 1 on daily sales reset report.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D ₁
Print grand total 2 on daily sales reset report.	b	Yes = 0 No = 2	
Print grand total 3 on daily sales reset report.	c	Yes = 0 No = 4	

Address code 1722

Description		Choice	Program code
Print date on receipt.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D ₄
Print date on journal.	b	Yes = 0 No = 2	
Print consecutive number on receipt/journal.	c	Yes = 0 No = 4	
Print time on receipt.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D ₃
Print time on journal.	b	Yes = 0 No = 2	
Merge the same department/PLU registration on buffered receipt and post receipt. (Item consolidation)	c	Yes = 0 No = 4	
Always "00"			<input type="checkbox"/> D ₂ D ₁

Address code 2122

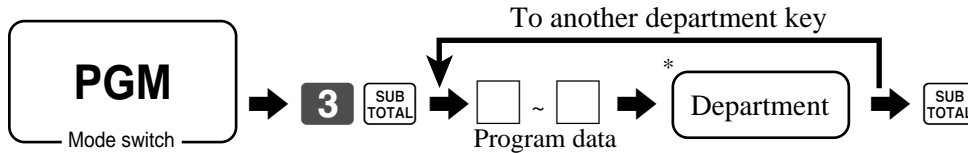
Description		Choice	Program code
Print logo message on receipt.		No = 0 Yes = 1	<input type="checkbox"/> D ₁₀
Always "000"			<input type="checkbox"/> D ₉ D ₈ D ₇
Print commercial message on receipts in REG/RF mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D ₆
Print bottom message on receipts in REG/RF mode.	b	No = 0 Yes = 2	
Always "00000"			<input type="checkbox"/> D ₅ D ₄ D ₃ D ₂ D ₁

Programming department/PLU

There are two ways to program to department/PLU, batch feature programming and individual feature programming.

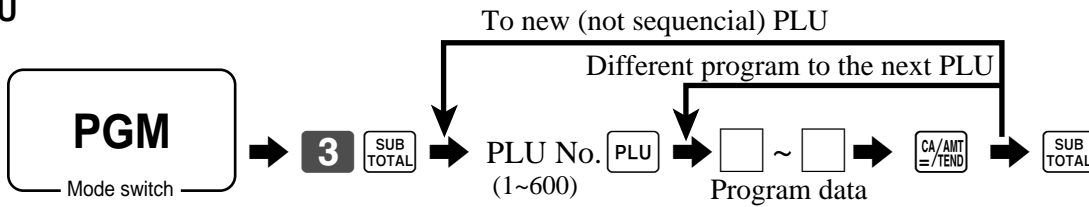
Batch feature programming to department/PLU

• Department



* If you want to designate department 31 through 60, press **DEPT SHIFT** first.

• PLU



• Program data

Description		Choice	Program code
Single item control: Normal receipt = 0, Single item receipt = 3		Significant number	<input type="checkbox"/> D ₁₂
Always "00"			<input type="checkbox"/> <input type="checkbox"/> D ₁₁ D ₁₀
Enable operation in RF/REG- mode.		Yes = 0 No = 1	<input type="checkbox"/> D ₉
Always "0"			<input type="checkbox"/> D ₈
Taxable status: See the next page.			<input type="checkbox"/> D ₇
Enable 0 unit price.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D ₆
Enable negative price.	b	No = 0 Yes = 2	
Hash	c	No = 0 Yes = 4	
Always "0"			<input type="checkbox"/> D ₅
Low digit limitation (LDL) for manually entered unit price.		Significant number	<input type="checkbox"/> D ₄
Multiple validation: (If "No", only one validation is possible.)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D ₃
Open PLU (Only effective for PLU)	b	No = 0 Yes = 4	
Always "00"			<input type="checkbox"/> <input type="checkbox"/> D ₂ D ₁

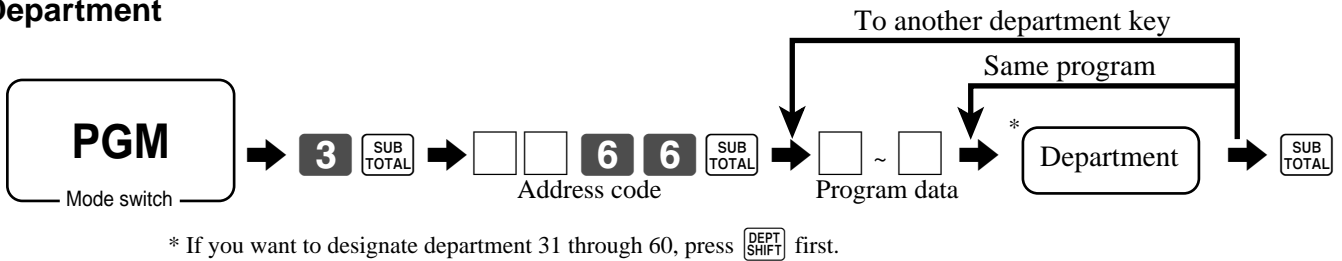
Advanced Operations and Setups

Taxable status

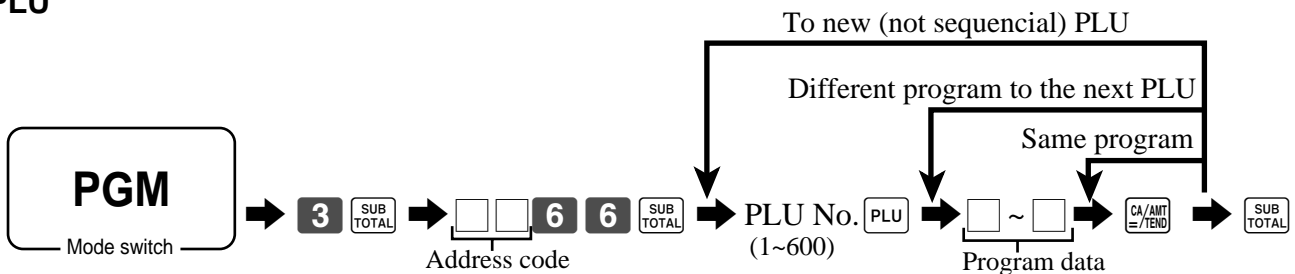
for the U.S.				
Taxable 1 status	a	Yes = 1 No = 0	<input type="checkbox"/> (a+b+c) D ₇	
Taxable 2 status	b	Yes = 2 No = 0		
Taxable 3 status	c	Yes = 4 No = 0		
for Canada				
Non tax = 0	Taxable 3 = 3	Taxable 1 & 3 = 6	<input type="checkbox"/> D ₇	Significant number
Taxable 1 = 1	Taxable 4 = 4	Taxable 1 & 4 = 7		
Taxable 2 = 2	Taxable 1 & 2 = 5			

Individual feature programming to department/PLU

• Department



• PLU



• Program data

Address code 1166

Description	Choice	Program code
Link group record number: (00 ~ 60)	Significant numbers	<input type="checkbox"/> <input type="checkbox"/> D ₆ D ₅
Link department record number: (00 ~ 60) (for PLU)	Significant numbers	<input type="checkbox"/> <input type="checkbox"/> D ₄ D ₃
Always "00"		<input type="checkbox"/> <input type="checkbox"/> D ₂ D ₁

Address code 1566

Description	Choice	Program code
High amount limit for entering unit price manually.	Significant numbers	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D ₆ D ₅ ~ D ₂ D ₁

Address code 1866

Description	Choice	Program code
Single item control: Normal receipt = 0, Single item receipt = 3	Significant number	<input type="checkbox"/>

Address code 0566

Description	Choice	Program code
Enable 0 unit price.	a No = 0 Yes = 1	<input type="checkbox"/> (a+b+c)
Enable negative price.	b No = 0 Yes = 2	
Hash	c No = 0 Yes = 4	

Address code 0766

Description	Choice	Program code
Low digit limitation (LDL) for manually entered unit price.	Significant number	<input type="checkbox"/>

Address code 0466

Description	Choice	Program code
Multiple validation: (If “No”, only one validation is possible.)	a Yes = 0 No = 1	<input type="checkbox"/> (a+b)
Open PLU (Only effective for PLU)	b No = 0 Yes = 4	

Address code 0366

Description	Choice	Program code
for the U.S.		
Taxable 1 status	a Yes = 1 No = 0	<input type="checkbox"/> (a+b+c)
Taxable 2 status	b Yes = 2 No = 0	
Taxable 3 status	c Yes = 4 No = 0	
for Canada		
Non tax = 0 Taxable 1 = 1 Taxable 2 = 2	Taxable 3 = 3 Taxable 4 = 4 Taxable 1 & 2 = 5	Taxable 1 & 3 = 6 Taxable 1 & 4 = 7
Significant number		<input type="checkbox"/>

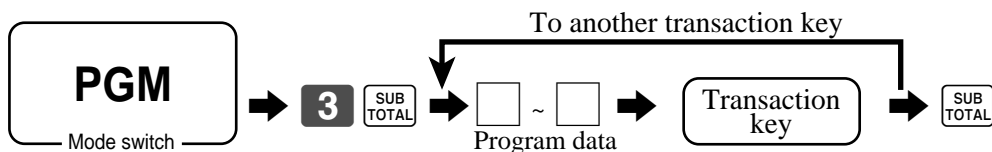
Address code 0266

Description	Choice	Program code
Enable operation in RF/REG- mode.	Yes = 0 No = 1	<input type="checkbox"/>

Advanced Operations and Setups

Programming to transaction keys

Procedure



Data

<CASH>, <CHARGE>, <CHECK>

Description		Choice	Program code
Allowable number of validation printing ("0" means no limitation) *1 *2		Significant number (0 ~ 9)	<input type="text"/> D ₁₁
Force validation operation. *1 *2		No = 0 Yes = 1	<input type="text"/> D ₁₀
Disable operation in RF/REG- mode. *2		No = 0 Yes = 1	<input type="text"/> D ₉
Always "0"			<input type="text" value="0"/> D ₈
Prohibit entry of a partial payment	a	No = 0 Yes = 1	<input type="text"/> (a+b+c) D ₇
Prohibit the entry of the amount tendered.	b	No = 0 Yes = 2	
Force entry of the amount tendered.	c	No = 0 Yes = 4	
Validation amount *2 ① Print subtotal amount ② Print amount tendered		Subtotal = 0 Tender = 4	<input type="text"/> D ₆
Always "0"			<input type="text" value="0"/> D ₅
High amount limit specification for subtotal and tendering amounts.		Maximum value (0 ~ 9)	<input type="text"/> <input type="text"/> D ₄ D ₃
		Number of zeros (0 ~ 9)	
High amount limit specification for change amount due.		Maximum value (0 ~ 9)	<input type="text"/> <input type="text"/> D ₂ D ₁
		Number of zeros (0 ~ 9)	

*1 Those are valid options for SINGLE ITEM as well.

*2 Those are valid options for CURRENCY EXCHANGE (include partial tender) as well.

<CREDIT>

Description		Choice	Program code
Allowable number of validation printing ("0" means no limitation)		Significant number (0 ~ 9)	<input type="text"/> D ₁₁
Force validation operation.		No = 0 Yes = 1	<input type="text"/> D ₁₀
Disable operation in RF/REG- mode.		No = 0 Yes = 1	<input type="text"/> D ₉
Always "0"			<input type="text"/> D ₈
Prohibit entry of a partial payment	a	No = 0 Yes = 1	<input type="text"/> (a+b+c) D ₇
Prohibit the entry of the amount tendered.	b	No = 0 Yes = 2	
Force entry of the amount tendered.	c	No = 0 Yes = 4	
Validation amount ① Print subtotal amount ② Print amount tendered		Subtotal = 0 Tender = 4	<input type="text"/> D ₆
Always "0"			<input type="text"/> D ₅
High amount limit specification for subtotal and tendering amounts		Maximum value (0 ~ 9)	<input type="text"/> <input type="text"/> D ₄ D ₃
		Number of zeros (0 ~ 9)	
Always "0"			<input type="text"/> D ₂
Specify credit in drawer total in the fixed totalizer. ("0" means credit 1 in drawer.)		Significant number (0 ~ 2)	<input type="text"/> D ₁

<RECEIVED ON ACCOUNT>, <PAID OUT>

Description		Choice	Program code
Allowable number of validation printing ("0" means no limitation)		Significant number (0 ~ 9)	<input type="text"/> D ₁₁
Force validation operation.		No = 0 Yes = 1	<input type="text"/> D ₁₀
Disable operation in RF/REG- mode.		No = 0 Yes = 1	<input type="text"/> D ₉
Always "0000"			<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D ₈ D ₇ D ₆ D ₅
High amount limit specification for entering amounts		Maximum value (0 ~ 9)	<input type="text"/> <input type="text"/> D ₄ D ₃
		Number of zeros (0 ~ 9)	
Always "00"			<input type="text"/> <input type="text"/> D ₂ D ₁

Advanced Operations and Setups

<#/NO SALE>

Description	Choice	Program code
Disable operation in RF/REG- mode.	No = 0 Yes = 1	<input type="checkbox"/> D ₉
Always "0"		<input type="checkbox"/> D ₈
Allow mode change or clerk change after non-add registration as first transaction. (only for non-add function)	Yes = 1 No = 0	<input type="checkbox"/> D ₇
Always "000000"		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D ₆ D ₅ D ₄ D ₃ D ₂ D ₁

<%->

Description	Choice	Program code
Multiple validation (If "No", only one validation printing is possible.)	Yes = 0 No = 4	<input type="checkbox"/> D ₁₁
Always "0"		<input type="checkbox"/> D ₁₀
Disable operation in RF/REG- mode.	No = 0 Yes = 1	<input type="checkbox"/> D ₉
Always "0"		<input type="checkbox"/> D ₈
Taxable status: See below.		<input type="checkbox"/> D ₇
Prohibit manual rate override.	No = 0 Yes = 2	<input type="checkbox"/> D ₆
Rounding: Round off = 0, cut off = 1, round up = 2	Significant number	<input type="checkbox"/> D ₅
Allow key operation after <input type="checkbox"/> <small>SUB</small> <input type="checkbox"/> <small>TOTAL</small> .	a Yes = 0 No = 1	<input type="checkbox"/> (a+b) D ₄
Allow key operation after item registration.	b Yes = 0 No = 4	
Always "000"		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D ₃ D ₂ D ₁

Taxable status

for the U.S.				
Taxable 1 status	a	Yes = 1 No = 0	<input type="checkbox"/> (a+b+c) D ₇	
Taxable 2 status	b	Yes = 2 No = 0		
Taxable 3 status	c	Yes = 4 No = 0		
for Canada				
Non tax = 0 Taxable 1 = 1 Taxable 2 = 2	Taxable 3 = 3 Taxable 4 = 4 Taxable 1 & 2 = 5	Taxable 1 & 3 = 6 Taxable 1 & 4 = 7	Significant number	<input type="checkbox"/> D ₇



Description	Choice	Program code
Multiple validation (If "No", only one validation printing is possible.)	Yes = 0 No = 4	<input type="checkbox"/> D ₁₁
Always "0"		<input type="checkbox"/> D ₁₀
Disable operation in RF/REG- mode.	No = 0 Yes = 1	<input type="checkbox"/> D ₉
Always "0"		<input type="checkbox"/> D ₈
Taxable status: See below.		<input type="checkbox"/> D ₇
Allow credit balance.	No = 0 Yes = 1	<input type="checkbox"/> D ₆
Always "0"		<input type="checkbox"/> D ₅
Allow key operation after <input type="checkbox"/> SUB <input type="checkbox"/> TOTAL.	a Yes = 0 No = 1	<input type="checkbox"/> (a+b) D ₄
Allow key operation after item registration.	b Yes = 0 No = 4	
High digit limitation (HDL) for manually entered unit price ("8, 9" means NOT allow manual entry.)	Significant number	<input type="checkbox"/> D ₃
Always "00"		<input type="checkbox"/> <input type="checkbox"/> D ₂ D ₁

Taxable status

for the U.S.				
Taxable 1 status	a	Yes = 1 No = 0	<input type="checkbox"/> (a+b+c) D ₇	
Taxable 2 status	b	Yes = 2 No = 0		
Taxable 3 status	c	Yes = 4 No = 0		
for Canada				
Non tax = 0 Taxable 1 = 1 Taxable 2 = 2	Taxable 3 = 3 Taxable 4 = 4 Taxable 1 & 2 = 5	Taxable 1 & 3 = 6 Taxable 1 & 4 = 7	Significant number	<input type="checkbox"/> D ₇

<CURRENCY EXCHANGE>

Description	Choice	Program code
Disable operation in RF/REG- mode.	No = 0 Yes = 1	<input type="checkbox"/> D ₉
Always "0"		<input type="checkbox"/> D ₈
Define amount symbol. (0, 1) ("0" means local currency symbol.)	Significant number	<input type="checkbox"/> D ₇
Always "0"		<input type="checkbox"/> D ₆
Rounding: Round off = 0, cut off = 1, round up = 2	Significant number	<input type="checkbox"/> D ₅
Always "0"		<input type="checkbox"/> D ₄
Monetary mode (0 ~ 9): 0.00 = 2, 0.0 = 1, 0 = 0	Significant number	<input type="checkbox"/> D ₃
Monetary symbol for decimal	a Decimal = 0 Comma = 1	<input type="checkbox"/> (a+b) D ₂
Monetary symbol for separator	b Comma = 0 Decimal = 4	
Always "0"		<input type="checkbox"/> D ₁

Advanced Operations and Setups

<POST RECEIPT>

Description	Choice	Program code
Maximum number of post receipts (0 ~ 9) ("0" means 1 post receipt.)	Significant number	<input type="text"/> D ₁₂
Always "00"		<input type="text"/> <input type="text"/> D ₁₁ D ₁₀
Disable operation in RF/REG- mode.	No = 0 Yes = 1	<input type="text"/> D ₉
Always "0000"		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D ₈ D ₇ D ₆ D ₅
Always "0000"		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D ₄ D ₃ D ₂ D ₁

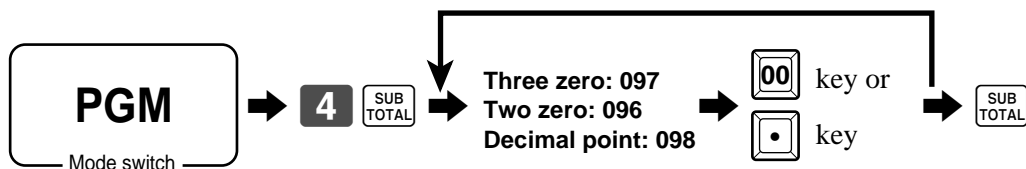
<QUANTITY/FOR>

Description	Choice	Program code
Disable operation in RF/REG- mode.	No = 0 Yes = 1	<input type="text"/> D ₉
Always "000"		<input type="text"/> <input type="text"/> <input type="text"/> D ₈ D ₇ D ₆
Rounding: Round off = 0, cut off = 1, round up = 2	Significant number	<input type="text"/> D ₅
Always "0000"		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D ₄ D ₃ D ₂ D ₁

Allocating three zero key

After initialization, two zero key and decimal point key are assigned in the ten-key pad.
You can change one of these keys to three zero key.

Procedure



Character programming

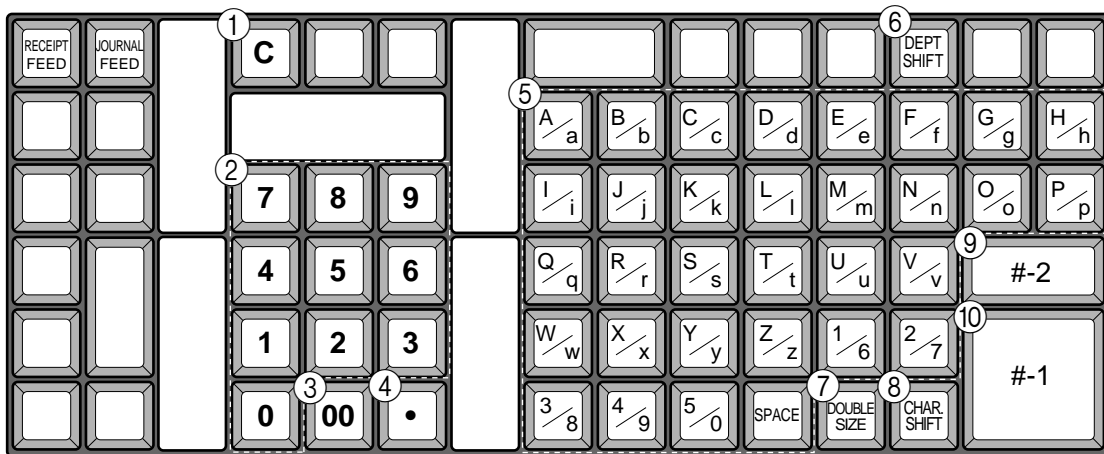
You can set or change the characters by using the character keyboard or entering by code for messages, function keys, departments, PLUs, etc. The initial characters for the above are set when the machine is initialized, so the programming operation is necessary only when you want to change them.

Whenever you enter this character programming mode, the keyboard becomes the character keyboard shown as below.

Using character keyboard

Example:


Input “ **A** **P** **P** **I** **E** **J** **U** **I** **C** **E** ”,
 enter “DBL” “A” “SHIFT” “p” “p” “I” “e” “SPACE” “SHIFT” “J” “SHIFT” “u” “i” “c” “e” **00** .




- ① **Clear key**
Clears all input characters in the programming.
- ② **Numeric keys**
Used to enter program codes, memory number and character codes.
- ③ **Character fixed key**
Enter when the alphabetic entry for a descriptor, name or message has been completed.
- ④ **Backspace/Character code fixed key**
Registers one character with code (2 or 3 digit). Clears the last input character, much like a back space key. (Does not clear the double size letter key entry.)
- ⑤ **Alphabet keys**
Used input to characters.
- ⑥ **Department shift key**
Use this key to shift the department key number from 1 through 30 to 31 through 60.
- ⑦ **Double size letter key**
Specifies that the next character you input to a double size character. You must press this key before each double size character.
- ⑧ **Character shift key**
Pressing this key shifts the character through the uppercase letter, lower case letter, numerics and returns to the uppercase letter in sequence. (While selecting the lower case, the T/S2 indicator is lit.)
- ⑨ **Program end key**
Terminates the character programming.
- ⑩ **Character enter key**
Registers the programmed characters.

Advanced Operations and Setups

Entering characters by code

Every time you enter a character, choose character codes by the character code list (below) and press the  key to settle it. After you complete entering characters, press the **00** key to fix them.

Example:

Input “  P P l e J u i c e ”,
 enter “ 255  65  112  112  108  101  32  74  117  105  99  101  **00** ”

Character code list

Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code
Space	32	0	48	Q	64	P	80	`	96	p	112	Ç	128
!	33	1	49	A	65	Q	81	a	97	q	113	Ü	129
"	34	2	50	B	66	R	82	b	98	r	114	É	130
#	35	3	51	C	67	S	83	c	99	s	115	À	131
\$	36	4	52	D	68	T	84	d	100	t	116	Ä	132
%	37	5	53	E	69	U	85	e	101	u	117	Å	133
&	38	6	54	F	70	V	86	f	102	v	118	Å	134
'	39	7	55	G	71	W	87	g	103	w	119	Ç	135
(	40	8	56	H	72	X	88	h	104	x	120	È	136
)	41	9	57	I	73	Y	89	i	105	y	121	È	137
*	42	:	58	J	74	Z	90	j	106	z	122	È	138
+	43	;	59	K	75	[	91	k	107	{	123	İ	139
,	44	<	60	L	76	\	92	l	108	|	124	İ	140
-	45	=	61	M	77	]	93	m	109	}	125	İ	141
.	46	>	62	N	78	^	94	n	110	~	126	Ä	142
/	47	?	63	O	79	_	95	o	111		127	Å	143
É	144	á	160	ÿ	176	Ł	192	ð	208	ó	224	…	240
æ	145	í	161	ÿ	177	Ł	193	Đ	209	ß	225	±	241
Æ	146	ó	162	ÿ	178	ł	194	Ê	210	ô	226	…	242
ô	147	ú	163	ı	179	ł	195	Ë	211	ò	227	‰	243
ö	148	ñ	164	ı	180	–	196	È	212	õ	228	¶	244
ò	149	Ñ	165	Á	181	†	197	€	213	ö	229	§	245
û	150	ª	166	Â	182	ã	198	í	214	µ	230	÷	246
ù	151	º	167	Ã	183	Ä	199	î	215	þ	231	„	247
ÿ	152	¿	168	Đ	184	ı	200	ï	216	ð	232	°	248
Ö	153	®	169	ı	185	ŕ	201	ı	217	ó	233	¨	249
Ü	154	™	170	ı	186	ŕ	202	ŕ	218	ô	234	•	250
ø	155	¼	171	ı	187	ŕ	203	ı	219	ù	235	ı	251
€	156	½	172	ı	188	ŕ	204	ı	220	ú	236	§	252
Ø	157	ı	173	¢	189	–	205	ı	221	ý	237	•	253
×	158	«	174	¥	190	ı	206	ı	222	–	238	ı	254
f	159	»	175	ı	191	ı	207	ı	223	ı	239	Double size	255

Procedures for programming descriptors and messages

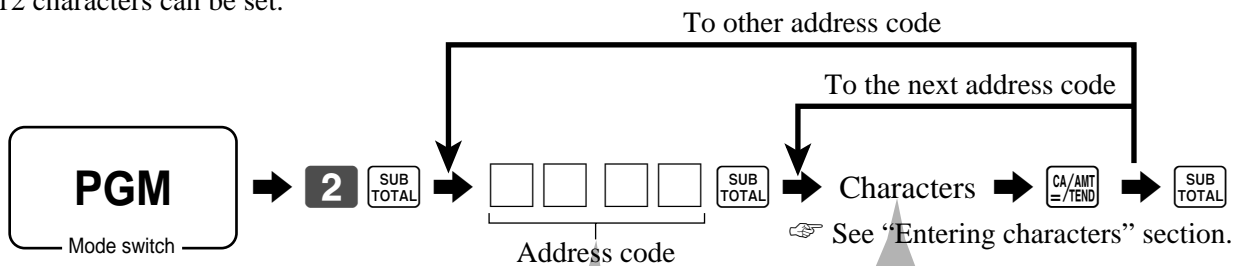
The following descriptors and messages can be programmed;

- Clerk name
- Fix totalizer
- Special character
- PLU item descriptor
- Transaction key descriptor
- Messages
- Report header
- Department key descriptor
- Machine number
- Group descriptor

Programming clerk name and messages

Clerk name

Up to 12 characters can be set.



See "Entering characters" section.

Address code	Contents	Initial character	Yours																				
0107	Clerk 01	C01																					
0207	Clerk 02	C02																					
0307	Clerk 03	C03																					
0407	Clerk 04	C04																					
0507	Clerk 05	C05																					
0607	Clerk 06	C06																					
0707	Clerk 07	C07																					
0807	Clerk 08	C08																					
0907	Clerk 09	C09																					
1007	Clerk 10	C10																					
2907	Clerk 29	C29																					
3007	Clerk 30	C30																					

Advanced Operations and Setups

Message

Up to 24 characters can be set.

Address code	Contents	Initial character	Yours
0132	1st line of logo message	YOUR RECEIPT	
0232	2nd line of logo message	THANK YOU	
0332	3rd line of logo message	CALL AGAIN	
0432	4th line of logo message		
0532	1st line of commercial message		
0632	2nd line of commercial message		
0732	3rd line of commercial message		
0832	4th line of commercial message		
0932	1st line of bottom message		
1032	2nd line of bottom message		
1132	3rd line of bottom message		
1232	4th line of bottom message		

Fix total

Up to 12 characters can be set.

Address code	Contents	Initial character	Address code	Contents	Initial character
Fix totalizer					
0101	Gross sales total	GROSS	5301	Foreign currency cash in drawer 1	CECA1
0201	Net sales total	NET	5401	Foreign currency check in drawer 1	CECK1
0301	Cash in drawer	CAID	5501-6501	not used	
0401-0601	Not used		6601	Cancellation	CANCEL
0701	Charge in drawer	CHID	6701	Taxable amount 1	TA1
0801-1001	Not used		6801	Tax 1	TX1
1101	Check in drawer	CKID	6901	not used	
1201-1401	Not used		7001	Taxable amount 2	TA2
1501	Credit 1 in drawer	CRID(1)	7101	Tax 2	TX2
1601	Credit 2 in drawer	CRID(2)	7201	not used	
1701-4401	Not used		7301	Taxable amount 3	TA3
4501	Refund mode total	RF	7401	Tax 3	TX3
4601	Customer count	CUST	7501	not used	
4701	Average sales per customer	AVRG	7601	Taxable amount 4	TA4
4801	Not used		7701	Tax 4	TX4
4901	Calculator mode count	CAL MODE	7801-9701	not used	
5001-5201	Not used				

Machine number

Up to 8 characters can be set.

Address code	Contents	Initial character
Machine number		
0191	Machine number	MC#01

Report header

Up to 12 characters can be set.

Address code	Contents	Initial character
Report header		
0124	Fixed totalizer report	FIX
0224	Transaction key report	TRANS
0324	PLU report	PLU
0424	Department report	DEPT
0524	Group report	GROUP
0624	Cashier/clerk report	CASHIER
0724	Not used	
0824	Hourly sales report	HOURLY
0924	Monthly sales report	MONTHLY
1024-1524	Not used	
1624	Financial report	FLASH
1724	Not used	
1824	PLU by amount	PLU AMT
1924	PLU by quantity	PLU QTY
2024	Department by amount	DEPT AMT
2124	Department by quantity	DEPT QTY
2224-2324	Not used	
2424	Individual report	INDIVIDUAL
2524	Not used	

Special character

Address code	Contents	Descriptor
0123	Main currency symbol (2), @(2), No. (2), split pricing (1), not used (2) Training filler (1)	\$ @No/ **
0223	No. of item sold (2), Customer count (2)	NoCT@ LB *QT
0323	Multiplication (6)	..... BUSY
0423	Taxable symbol 1 (3 ea.) Tax1, Tax2, Tax3, Tax4	T1 T2 T3 T4 T5
0523	(not used)	T6 T7 T8 T9 T10
0623	Taxable symbol 3 (3 ea.) Tax1/2, Tax1/3, Tax1/4, not used, Tax2/3	T12T13T14 .. T23
0723	Taxable symbol 4 (3 ea.) not used, not used, not used, Nontax, All	..... F
0823	Foreign currency (2)	* * * *
0923	Mode symbol 1 (4 ea.) REG1/2, RF, REG-	REG RFR -
1023	Mode symbol 2 (4 ea.) PGM, Daily X, Daily Z	P n X Z XZ
1123	Mode symbol 3 (4 ea.) Training, not used, PGM read	TRG .. PGMX
1223	Decimal: amount/q'ty, Separator (1)	..... X
1323	A.M., P.M. (3 ea.)	AM PM ST
1423-1623	(not used)	.....
1723	Subtotal symbol (16)	ST
1823	Total symbol (16)	TL
1923	Change symbol (16)	CG
2023-2823	(not used)	.....
2923	Report total symbol(16)	TL
3023-3423	(not used)	.....
3523	Declaration amount	DECLA
3623-4223	(not used)	.....

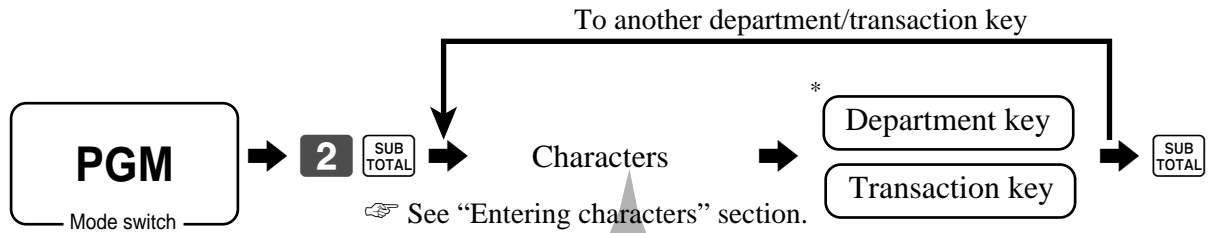
Advanced Operations and Setups

Group descriptor

Up to 12 characters can be set.

Address code	Contents	Initial character	Yours																			
0106	Group 01	GROUP01																				
0206	Group 02	GROUP02																				
0306	Group 03	GROUP03																				
0406	Group 04	GROUP04																				
0506	Group 05	GROUP05																				
0606	Group 06	GROUP06																				
0706	Group 07	GROUP07																				
0806	Group 08	GROUP08																				
0906	Group 09	GROUP09																				
1006	Group 10	GROUP10																				

Programming department/transaction key descriptor



* If you want to designate department 31 through 60, press **DEPT SHIFT** after completion of character entry.

Up to 16 characters can be set.

Contents	Initial character	Yours
Department 01	DEPT01	
Department 02	DEPT02	
Department 03	DEPT03	
Department 04	DEPT04	
Department 05	DEPT05	
Department 06	DEPT06	
Department 07	DEPT07	
Department 08	DEPT08	
Department 09	DEPT09	
Department 10	DEPT10	
Department 11	DEPT11	
Department 12	DEPT12	
Department 13	DEPT13	
Department 59	DEPT59	
Department 60	DEPT60	

Up to 12 characters can be set.

Contents	Initial character	Yours
Cash/Amount tendered	CASH	
Charge	CHARGE	
Credit 1	CREDIT1	
Credit 2	CREDIT2	
Check	CHECK	
Received on account	RC	
Paid out	PD	
Minus	-	
Discount	%-	
Refund	RF	
Correction	CORR	
Validation	VLD	
Receipt	RCT	
Non add/No sale	#/NS	
Currency exchange	CE	
PLU	PLU#	
Price	PRC	
Tax shift 1	T/S1	
Tax shift 2	T/S2	
Clerk number	CLK#	
Subtotal	SUBTOTAL	
Receipt on/off	RCT ON/OFF	
Multiplication/For/Date time	QT	

Printing read/reset reports

- Daily sales read report (“X” mode)**

You can print read reports at any time during the business day without affecting the data stored in the cash register's memory.

- Daily sales reset report (“Z” mode)**

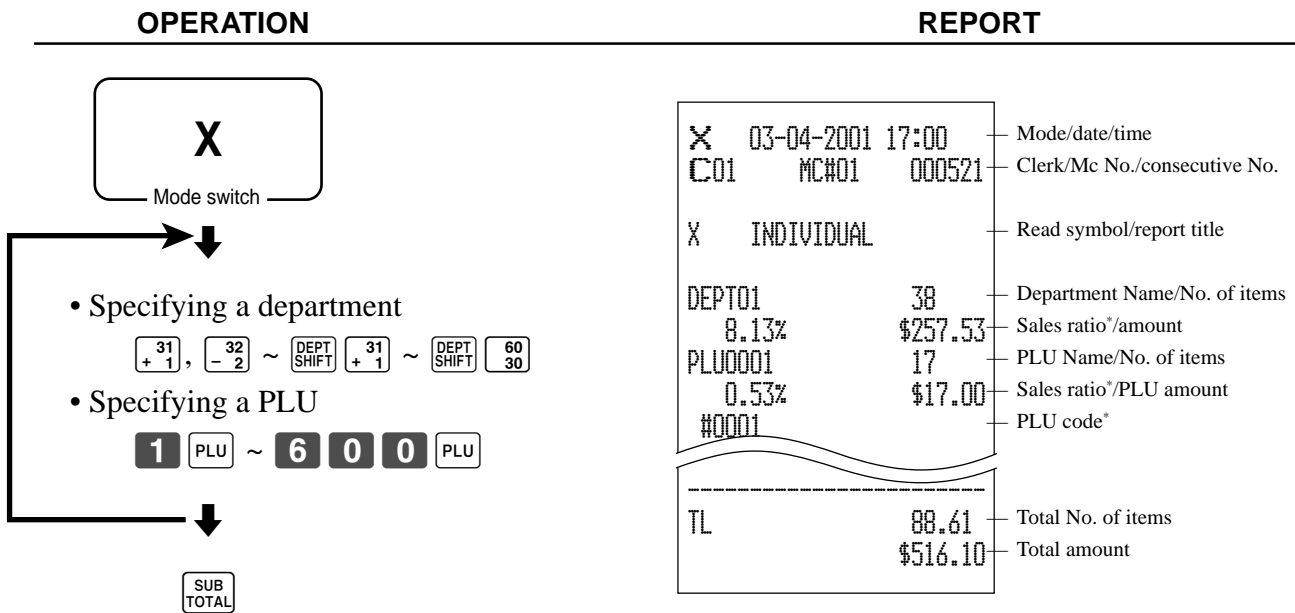
You should print reset reports at the end of the business day.

Important!

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

To print the individual department, PLU read report

This report shows sales for specific departments or PLUs.



After you finish to select items, press \boxed{SUB} \boxed{TOTAL} to terminate.

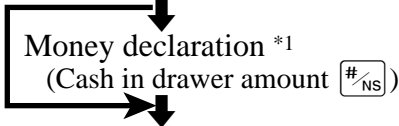
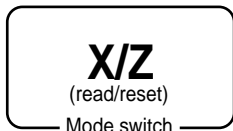
* These items can be skipped by programming.

To print the daily sales read/reset report

This report shows sales except for PLUs.

OPERATION

REPORT



Z	BATCH01		
Z	FIX	0001	
		0001011	
DECLA		\$6,919.04	
		\$0.00	
GROSS		981.25	
		\$6,574.40	
NET	No	111	
		\$7,057.14	
CAID		\$6,919.04	
CHID		\$139.04	
CKID		\$859.85	
CRID(1)		\$709.85	
RF	No	3	
		\$10.22	
CUST	CT	111	
AVRG		\$63.57	
CAL MODE	No	3	
CANCEL	No	2	
		\$12.97	
TA1		\$2,369.69	
TX1		\$128.86	
TA2		\$2,172.96	
TX2		\$217.33	
GT1		\$00000000125478.96	
GT2		\$00000000346284.23	
GT3		\$00000000123212.75	
Z	TRANS	0001	
		0001012	
CASH	No	362	
		\$1,638.04	

Report title

Fixed total report title/reset counter *4

Report code

Declared cash in drawer *1

Difference (= declared - accumulated) *1

Gross total *3

Net total *3

Cash in drawer *3

Charge in drawer *3

Check in drawer *3

Credit in drawer *3

Refund mode *3

Customer number *3

Average sales per customer *3

Calculator mode count *3

Cancellation *3

Taxable 1 amount *3

Tax 1 amount *3

Taxable 2 amount *3

Tax 2 amount *3

Grand total 1 *3

Grand total 2 *3

Grand total 3 *3

Function key report title/reset counter *4

Report code

Function key count/amount *2

CH	No	56	
		\$1,174.85	
CORR	No	14	
		\$39.55	
		19	
VLD			
RCT	No	3	
#/NS	No	5	
Z	DEPT	0001	
		0001015	
DEPT01		38	
	8.13%	\$257.53	
DEPT02		183	
		\$1,362.26	
TL		88.61	Total No. of items
		\$1,916.10	Total amount
Z	CASHIER	0001	Clerk report title/reset counter *4
		0001017	Report code
C01		.....1	Clerk name/drawer No.
NET	No	111	Net total
		\$1,845.35	
C02		.....1	Clerk name/drawer No.

Department report title/reset counter *4

Report code

Department name/No. of items *2

Sales ratio *3/amount *2

Total No. of items

Total amount

Clerk report title/reset counter *4

Report code

Clerk name/drawer No.

Net total

Clerk name/drawer No.

*1 Money declaration:

Count how much cash is in the drawer and input this amount (up to 10 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 totalled departments/functions are not printed.

*3 These items can be skipped by programming.

4 The “” symbol is printed on the reset report, memory overflow occurred in the counter/totalizer.

Advanced Operations and Setups

To print the PLU read/reset report

This report shows sales for PLUs.

OPERATION	REPORT																																												
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To print the hourly sales read/reset report

This report shows hourly breakdowns of sales.

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To print the monthly sales read/reset report

This report shows monthly breakdowns of sales.

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* These lines can be skipped by programming.

To print the group read/reset report

This report shows PLU/department group totals.

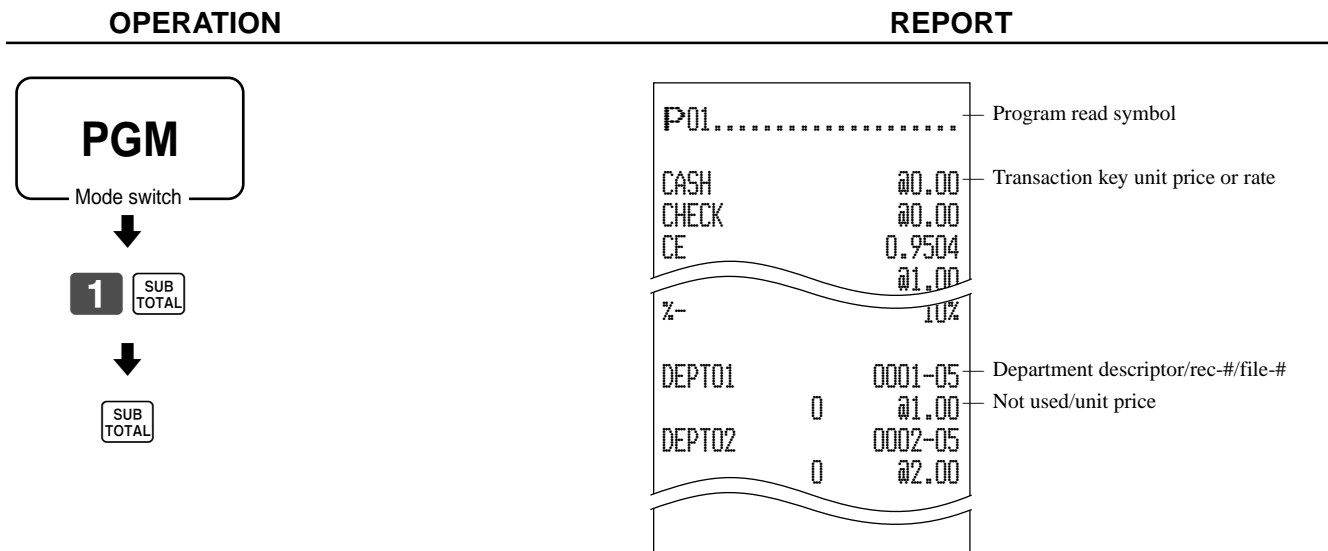
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Advanced Operations and Setups

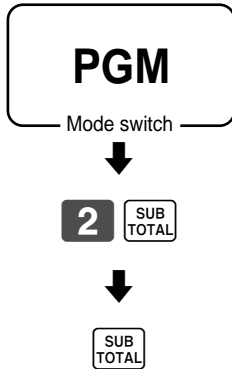
Reading the cash register's program

To print unit price/rate program (except PLU)



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

OPERATION



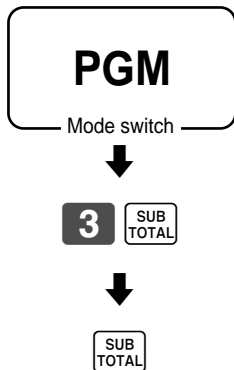
REPORT

P02.....		Program read symbol
GROSS	0001-01	
NET	0002-01	
CAID	0003-01	Fix total character
CAT1	0004-01	
	0005-01	
CASH	0001-02	
CHARGE	0002-02	Transaction key character
CREDIT2	0003-02	
	0004-02	
DEPT01	0001-05	
DEPT02	0002-05	Department character
DEPT03	0003-05	
	0004-05	
GROUP01	0001-06	
GROUP02	0002-06	Group character
GROUP03	0003-06	
	0004-06	
C01	0001-07	
C02	0002-07	Clerk character
C03	0003-07	
	0004-07	
GT1	0001-20	
GT2	0002-20	Grand total character
GT3	0003-20	
\$ @No/ **	0001-23	
NoCT@ LB *QT	0002-23	Special character
BUSY	0003-23	
FIX	0001-24	
TRANS	0002-24	Report header character
PLU	0003-24	
	0004-24	
0001-32		
YOUR RECEIPT		Receipt message
0002-32		
THANK YOU		
MC#01	0001-91	Machine number

Advanced Operations and Setups

To print the general control program, compulsory and key program

OPERATION



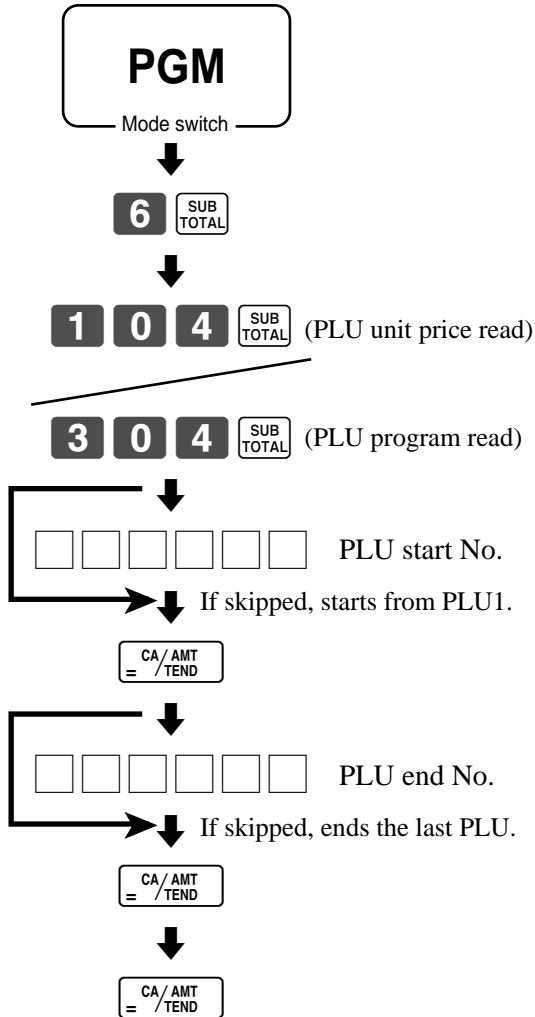
REPORT

P03.....		Program read symbol
CASH	0001-02	
	00000000000000	Transaction key program
CHECK	0002-02	Key character/rec-#/file-#
	00000000000000	Key program
CREDIT2	0003-02	
	00000020000002	Department program
DEPT01	0001-05	Key character/rec-#/file-#
	00000010000001	Key program
11-66	000000	Batch program 1166
15-66	@1.23	Batch program 1566
DEPT02	0002-05	
		Clerk program
C01	0001-07	Clerk name/rec-#/file-#
	00000100000001	Clerk #
67	0000000000	Trainee status
68	0000000000	Not used
70	0000000000	Not used
C02	0002-07	
		General control program
0001-22	3200000000	
0002-22	0000000000	
0007-22	0000000000	
		Tax table
0001-25		
TX1	10.25%	
TX1	5002	
TX1	0000	

To print the PLU program

OPERATION

REPORT



P01.....	Program read symbol
#0001 - #0003	Read range
PLU0001 0001-04	Item character/rec-#/file-#
0 @1.00	Not used/unit price
PLU0002 0002-04	
0 @2.00	

P03.....	Program read symbol
#0001 - #0003	Read range
PLU0001 0001-04	Item character/rec-#/file-#
00000000000000	Batch program 02 ~ 05, 07, 1866
11-66 000000	Batch program 1166
12-66 #000000	Not used
13-66 <- 0000-00	Not used
15-66 @1234.56	Batch program 1566
PLU0002 0002-04	
00000000000000	
11-66 000000	

Troubleshooting

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

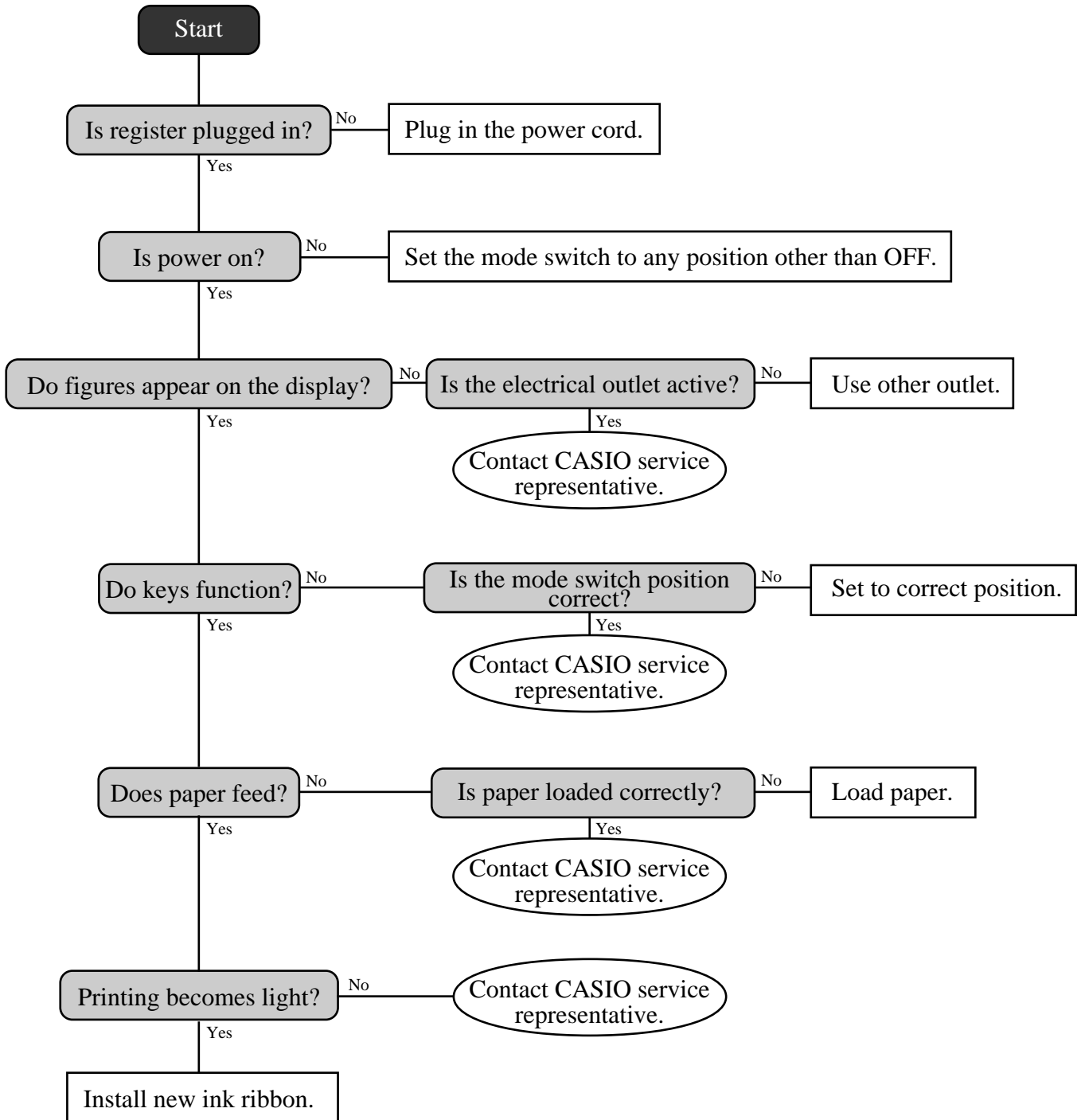
When an error occurs

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

Error code	Meaning	Action
E001	Mode switch position changed before finalization.	Return the mode switch to its original setting and finalize the operation.
E003	Clerk is signed on before finalization of a registration being performed under another clerk .	Sign on the original clerk and finalize the transaction before assigning another clerk.
E004	Initialization or unit lock clear operation in progress.	Complete operation.
E008	Registration without entering a clerk number.	Enter a clerk number.
E010	Registration is made while the cash drawer is opened. The drawer is left open longer than the program time (drawer open alarm).	Close the drawer.
E011	Attempt to register while the cash drawer is open.	Shut the cash drawer.
E015	Printer error	Turn the power off, and remove the jammed paper from the printer.
E016	Two consecutive transactions attempted in the refund mode.	Switch to another mode and then back to the RF mode for the next transaction.
E029	Item registration is prohibited, while partial tender.	Finalize the transaction.
E031	Finalization of a transaction attempted without confirming the subtotal.	Press <input type="button" value="SUB TOTAL"/> .
E033	Finalize operation attempted without entering amount tender.	Enter the amount tendered.
E035	Change amount exceeds preset limit.	Input amount tendered again.
E036	Contents of the drawer exceed programmed limit.	Perform pick up operation.
E037	High amount lock out/low digit lock out error	Enter correct amount.
E038	Read/reset operation without declaring cash in drawer. This error appears only when this function is activated.	Perform money declaration.
E041	Validation is not performed.	Perform validation operation.
E046	Registration buffer full.	Finalize the transaction.
E075	Attempt to finalize a transaction when balance is less than or equal to zero.	Register item(s) until the balance becomes positive amount.
E139	Attempt to register <input type="button" value="-"/> when the balance becomes negative.	Enter proper minus amount.

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.



Clearing a machine lock up

If you make a mistake in operation, the cash register may lock up to avoid damage to programs and preset data. Should it happen, you can use the following procedure to clear the lock up without losing any data.

- 1 Power off the register.
- 2 Insert the PGM key in the mode switch.
- 3 Press down **RECEIPT FEED**, and turn the mode switch to PGM mode.
- 4 The display shows ten F s, then release **RECEIPT FEED**.
- 5 Press **SUB TOTAL**. The display shows ten F s and issue a receipt.

Important!

If the register does not show ten F s, never press **SUB TOTAL** and call service representative.

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. After power recovery, the register continues to issue report.
- 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.

The memory protection battery is constantly charging and discharging as you switch the cash register on and off during normal operations. This causes the capacity of the battery to decrease after approximately five years of use.

Important !

- Remember ...a weak battery has the potential of losing valuable transaction data.
- A label on the back of the cash register shows the normal service period of the battery installed in your cash register.
- Have the battery replaced by your dealer within the period noted on this label.

To replace the ink ribbon



1

Open the printer cover.



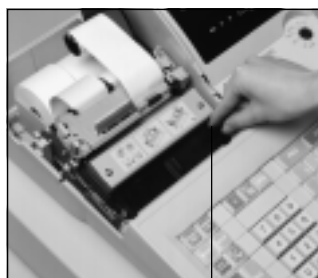
4

Load a new ink ribbon cassette into the unit.



2

Remove the printer sub cover.



5

Turn the knob on the right side of the cassette to take up any slack in the ribbon.

Knob



3

Pull up the knob of the ribbon cassette.

6

Replace the printer cover and printer sub cover.

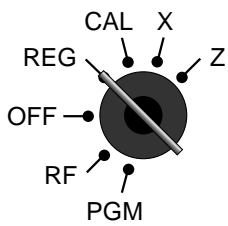
Important!

Use only the ERC-32(P) 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  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 **JOURNAL FEED** to feed about 20 cm of paper.



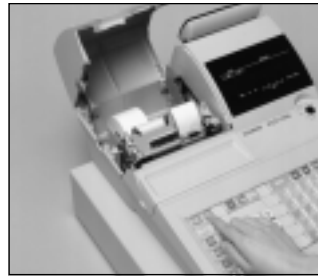
6

Cut the journal paper as shown in the photograph.



3

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



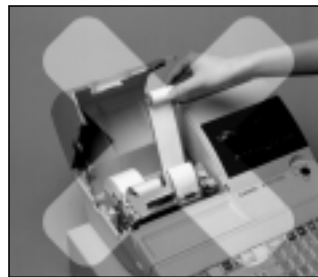
7

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



4

Remove the journal take-up reel from its holder.



8

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



5

Slide the printed journal from the take-up reel.



9

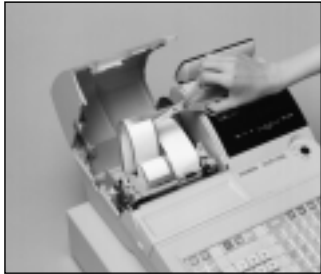
Remove the old paper roll from the cash register.

10

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

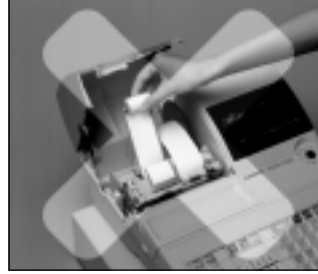
To replace receipt paper

Follow step ① under “To replace journal paper” on the previous page.



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 **RECEIPT 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 10 of this manual.

Options

Wetproof cover: WT-77

Consult with your CASIO dealer for details.

Specifications

Input method

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

Display

Amount 10 digits (zero suppression); department No., PLU No., No. of repeats, total, change, receipt on/off, transaction indicator, arithmetic operation indicators

Printer

Receipt: Dot matrix alpha-numeric system 24 digits, receipt on/off key
 Store name or slogan is printed automatically
 Journal: Dot matrix alpha-numeric system 24 digits
 Automatic take up roll winding
 Validation: 55 digits, one line, for 135 mm (minimum) wide slip
 Paper roll: 45 (W) × 83 (D) mm
 Paper feed: Separate for receipt and journal
 Print speed: 3.0 l/s

Listing capacity

Amount: 9999999
 Quantity: 9999.999
 Tendered amount: 9999999999
 Percent: 99.99
 Tax rate: 9999.9999
 Numbers: 9999999999999999

Chronological data

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

Alarm

Key catch tone, error alarm, sentinel alarm

Memory protection battery

48-hour full charge protects memories for approximately 90 days.
 Battery should be replaced every five years.

Power supply/power consumption

See the rating plate.

Operation temperature

0°C ~ 40°C (32°F ~ 104°F)

Humidity

10 ~ 90%

Dimensions and weight

454mm (D) × 400mm (W) × 331mm (H) / 13kg
 17^{7/8}" (D) × 15^{3/4}" (W) × 13" (H) / 28lbs. 11oz.
 ...with medium size drawer

Totalizers		Contents			
Category	No. of totalizers	Amount (10 digits)	No. of items (6 integer/ 3 decimal)	Count (4 digits)	No. of customers (6 digits)
Department	Up to 60	✓	✓		
PLU	Up to 600	✓	✓		
Group	10	✓	✓		
Clerk	30	✓		✓	
Hourly sales	24	✓		✓	✓
Monthly sales	31	✓	✓		✓
Transaction	14	✓		✓	
Non resettable grand total	3	✓ (16 digits)			
Reset counter	18			✓	
Consecutive No.	1			✓ (6 digits)	

* Specifications and design are subject to change without notice.

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