ELECTRONIC CASH REGISTER

PCR-365A

THANK YOU
YOUR RECEIPT
CALL AGAIN !

GROCERY
DAIRY
H.B.A.
FROZEN
FOOD
DELICATESSEN

OPERATOR'S INSTRUCTION MANUAL
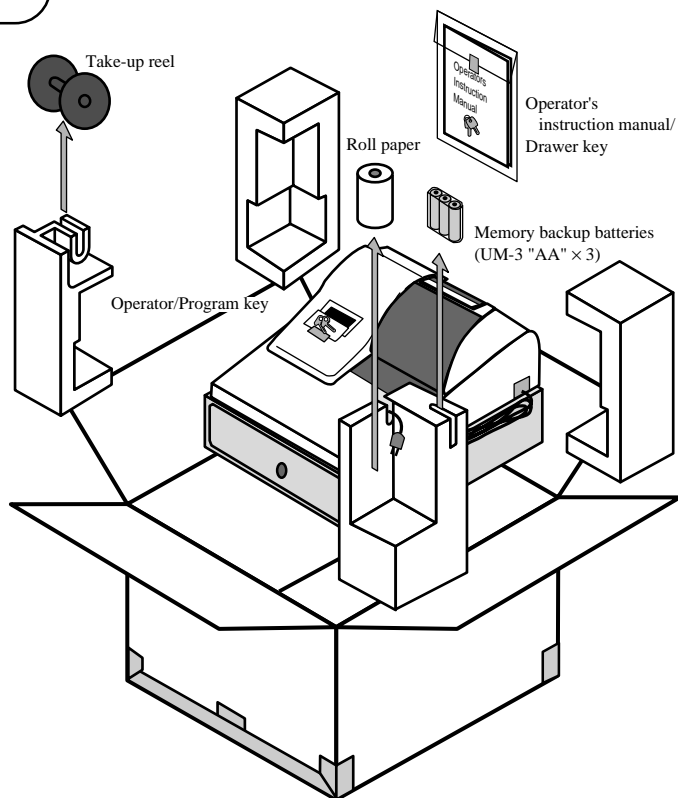
CI

CASIO®

Unpacking the register

Welcome to the CASIO PCR-365A!

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.

Take-up reel

Roll paper

Operator's instruction manual/Drawer key

Memory backup batteries (UM-3 "AA" × 3)

Operator/Program key

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 main 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!

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

Do not locate the cash register where it will be subjected to direct sunlight, high humidity, splashing with water or other liquids, or high temperature (such as near a heater).
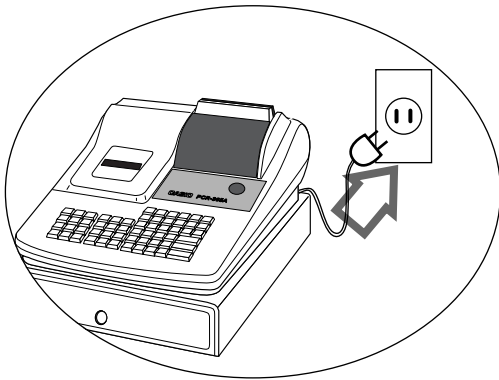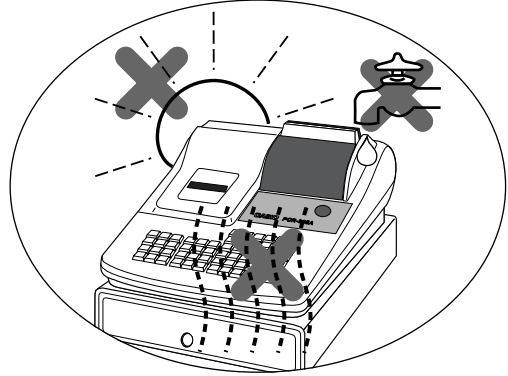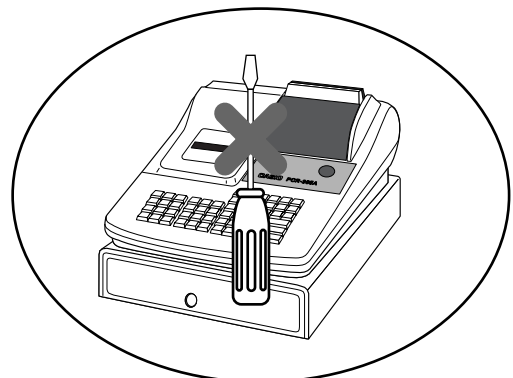
Never operate the cash register while your hands are wet.

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

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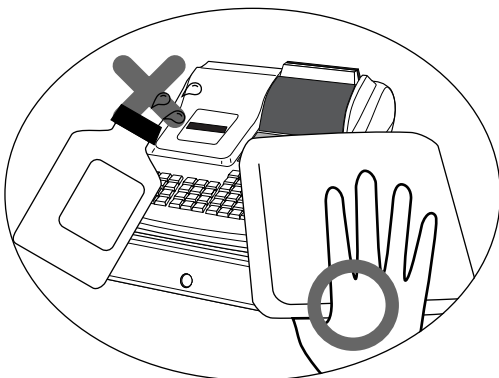
Use a soft, dry cloth to clean the exterior of the cash register. Never use benzene, thinner, or any other volatile agent.

Introduction & Contents

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.

Make sure that all of the parts and accessories are included.
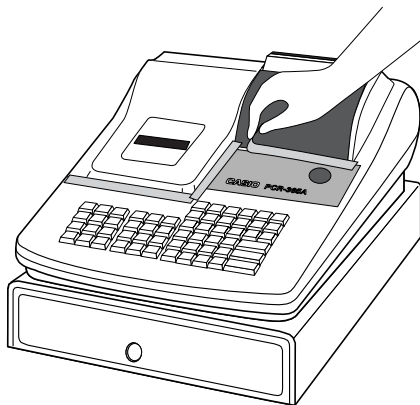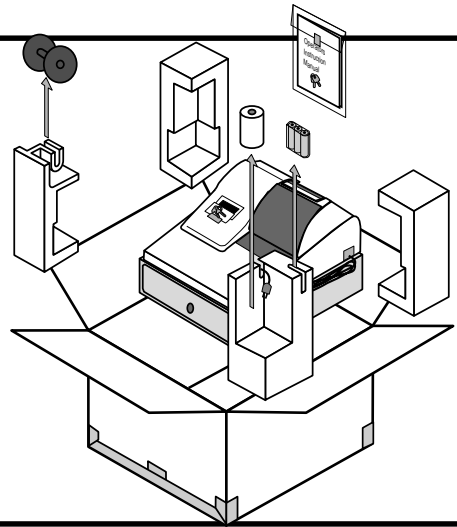
2. Remove the tape holding parts of the cash register in place.

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

3. Install the three memory backup batteries.

1. Remove the printer cover and inner cover.

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

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

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

4. Replace the battery compartment cover.

5. Replace the inner cover and printer cover.

Important!

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

Precaution!

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

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

WARNING!

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

Getting Started

Getting Started
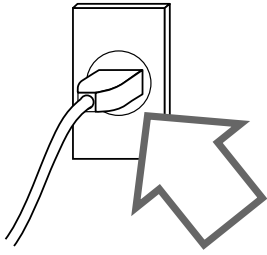
4. Plug the cash register into a wall outlet.

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

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

About the mode key and mode switch, please refer to page-18, 19.

OP
A-A08

PGM
A-A08

CAL
REG
OFF
RF
PGM
Z
PGM
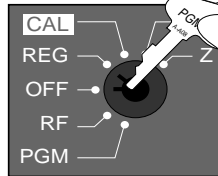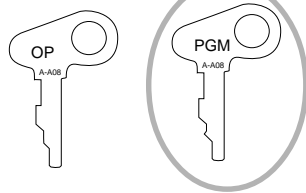
6. Turn the mode key to the "REG" position.

The display should change to the following.

0.00

CAL
REG
OFF
RF
PGM
X
Z
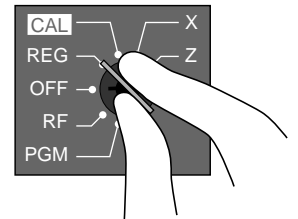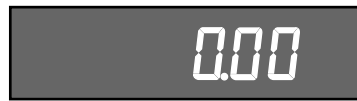
7. To set the ink ribbon

① Remove the printer cover.

② Remove the inner cover.
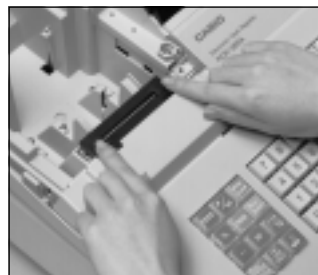
③ Load a new ink ribbon cassette into the unit.
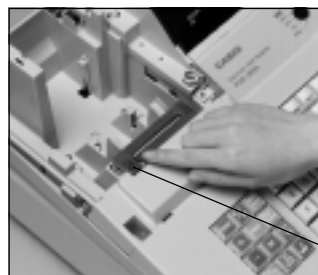
④ Turn the knob on the left side of the cassette to take up any slack in the ribbon.

Knob

8. Install receipt/journal paper.

Important!

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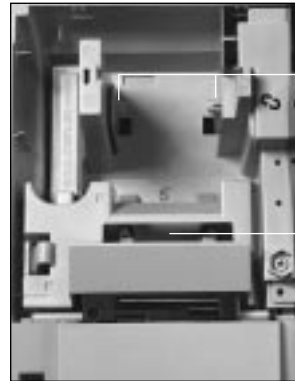
— Roll paper spindle

— Paper inlet

To load 1-ply paper for printing of receipts
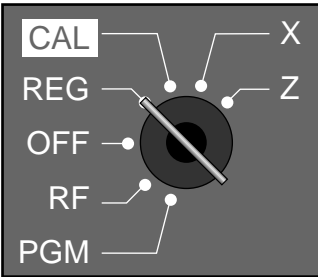
① Use a mode key to set the mode switch to REG position.

② Remove the printer cover.

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

④ Ensuring the paper is being fed from the bottom of the roll, lower the roll into the space behind the printer.
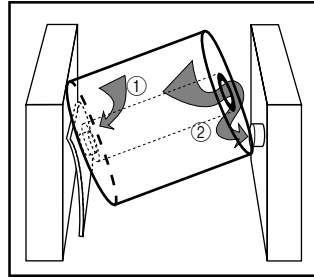
⑤ Work the paper roll gently between the two spindles so that they slip into the center hubs of the roll.

⑥ Insert paper to the paper inlet.

⑦ Press the [FEED] key until about 20 cm to 30 cm of paper is fed from the printer.
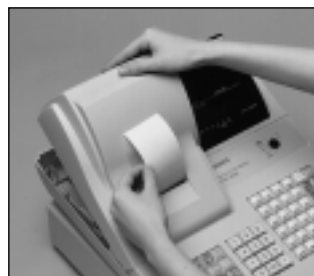
⑧ Replace the printer cover, passing the leading end of the paper through the cutter slot. Tear off the excess paper.

8. Install receipt/journal paper. (continued…)

To load 1-ply paper for printing of journal

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

⑧ Remove the flat side plate of the take-up reel.

⑨ Slide the leading end of the paper into the groove on the spindle of the take-up reel and wind it onto the reel two or three turns.

⑩ Replace the flat side plate of the take-up reel.

⑪ Place the take-up reel into place behind the printer, above the roll paper.

⑫ Press the FEED key to take up any slack in the paper.

⑬ Replace the printer cover.

8. Install receipt/journal paper. (continued…)

To load 2-ply paper for printing of receipts

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

⑥ Separate the two sheets of the paper.

⑦ Join the ends of the paper again and insert them into the paper inlet.

⑧ Press the [FEED] key until about 20 cm to 30 cm of paper is fed from the printer.

⑨ Insert the leading end of the inner sheet (which will be your journal) into the take-up reel, as described starting from

step ⑧ under "To load 1-ply paper for printing of journal."

⑩ Replace the printer cover, passing the leading end of the outer sheet through the cutter slot. Tear off the excess paper.

Getting Started

Getting Started

9. Set the date.

Mode Switch

➡ 1 [SUB TOTAL] ➡ ☐☐☐☐☐☐ ➡ [X / FOR / DATE / TIME] ➡ [C C/AC]

Current date
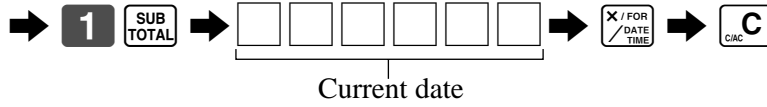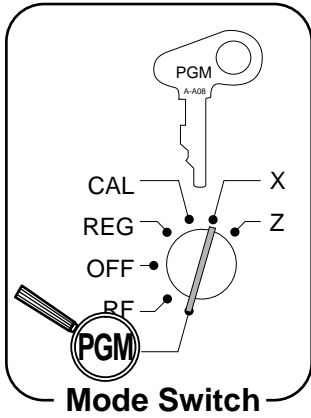
Example:

May 11, 2000 ⇨ 0 0 0 5 1 1

10. Set the time.

Mode Switch

➡ 1 [SUB TOTAL] ➡ ☐☐☐☐ ➡ [X / FOR / DATE / TIME] ➡ [C C/AC]

Current time
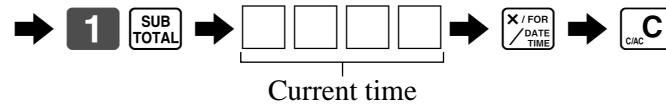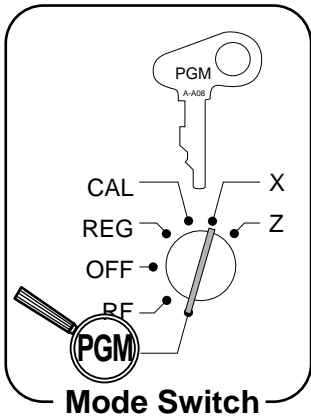
Example:

08:20 AM ⇨ 0 8 2 0

09:45 PM ⇨ 2 1 4 5

(24-hour military time format)

11. Select printouts receipt or journal.

Mode Switch

➡ 1 [SUB TOTAL] ➡ { Issue receipt = 0   Print journal = 1 } ➡ [CH] ➡ [SUB TOTAL]
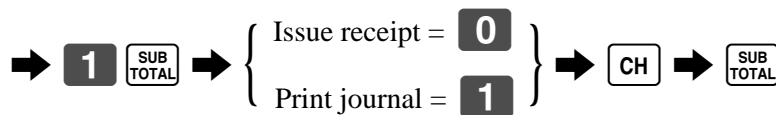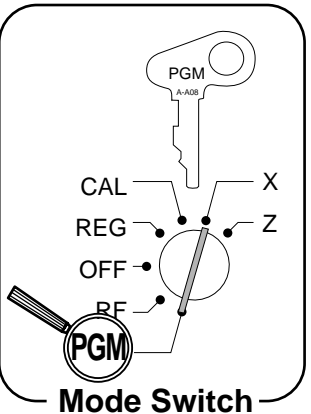
Note:

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

12. Tax table programming

Programming automatic tax calculation

Important!

After you program the tax calculations, you also have to individually specify which departments (page 29) and PLUs (page 31) 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 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 14 ~ 17) and input the data shown in the table.
State sales tax calculation data tables for all of the states that make up the United States are included on the following pages. This data is current as of October 30, 1994.*

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

Important!

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

Programming procedure

Example 1 (Alabama 6% sales tax to Tax Table 1)   Example 2 (Colorado 5.25% sales tax to Tax Table 2)

U.S. TAX TABLES

A — ALABAMA

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

ALASKA

KENAI 2%	3%	HOMER/ SELDOVIA 3%	HAINES 4%	JUNEAU 4%	KENAI 5%	KENAI,SEWARD & SOLDOTNA 5%
0	0	0	0	0	0 / 177	0
1	1	1	1	1	1 / 184	1
1	4	4	2	1	6 / 218	1
25	34	25	19	12	13	09
75	49	34	37	37	25	29
	83	75	62		46	49
	116	127			75	69
	150	155			79	89
	183	177			118	109
	216	227			127	
					151	

ALASKA

HOMER 5.5%			6%		
0	145	345	6	159	
1	163	363	2	179	
1	181	381	29	199	
8	208	408	29	219	
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	0	153	345	0
1	1	1	191	1	176	1	171	1	168	359	1
1	5	9		7	192	7	186	3	183	374	1
12	10	10		7	207	7	201	6	198	389	7
37	27	22		23	223	22	216	21	212	403	21
	47	39		38	238	37	231	36	227	418	35
	68	56		53	253	52	246	50	242	433	49
	89	73		69	269	67	261	65	256	448	64
	109	90		84	284	82	276	80	271	452	78
		107		99	299	97	291	95	286	477	92
		125		115		111		109	300	492	107
		141		130		126		124	315	506	
		158		146		141		139	330		

ARKANSAS

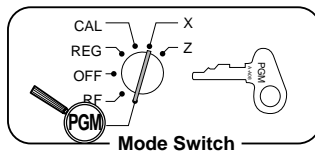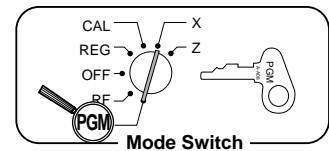| 3%	4%	5%	6%	6.8%	7%	7.5%
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	2	1	2
14	12	10	8	6	7	6
44	37	20	24	19	21	19
74		40	41	33	35	33
114		60	58	46	49	46
		80			64	
		110			78	
					92	
					107	

C — CALIFORNIA

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

COLORADO

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

COLORADO

6.45%	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		0		2	159		3	157	3	1
17	17	192		17		17		17	173		6	171	17	6
	23	207		21		21		20	187		20		19	18
	38	223		35		35		34	201		34		33	31
	53			49		49		48	215		47		46	43
	69			64		64		62	229		61		59	56
	84			78				76	243		75		73	68
	99			92				90	256		89			81
	115			107				104			102			93
	130			121				118			116			106

CONNECTICUT

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

D — DISTRICT OF COLUMBIA

D.C. 5%	D.C. 5.75%	D.C. 6%	D.C. 6%	D.C. 8%	D.C. 9%	
0	5.75	0	0	0	0	105
1	5002	1	1	1	1	116
1		0	1	1	6	127
10	8	12	8	12	6	138
22		17	24	16	16	149
42		35	41	27	27	161
82		53	58	39	38	
62		71	74	50	49	
110		89	91	62	61	
		112	108	75	72	
				90	83	
				112	94	

F — FLORIDA

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

G — GEORGIA

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

H — HAWAII

4%
0
1
1
12
37

IDAHO

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

ILLINOIS

1%	1.25%	2%	5%	6%	6.25%	6.5%	(→)	6.75%	7%	7.5%	7.75%	(→)	8%	8.75%	(→)
0	0	0	0	0	0	0	161	6.75	0	0	7.75	5002	1	8.75	5002
1	1	1	1	1	1	1	176	5002	1	1	1		0	1	0
1	1	6	1	1	1	1	192		1	1	0		6	0	5
49	39	24	12	8	7	7	207		8	6	6		6		
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 5%	RESTAURANT 6%
0	0	0	0	0
1	1	1	1	1
1	2	1	2	1
49	15	9	15	9
148	37	29	37	29
	62		49	49
			62	49
			87	69
			112	89
			137	109

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	5002	1	212	453	1	209	5002
1	1	0	1	384	1	1	333	1	0	1	1	255	520	785		1		1	231	472	1		0
19	16	16	15	415	14	13	359	12	12	11	10	275	540	806		9		9	249	490	9		8
59	49		46		42	39	386	37		33	30	295	561	826		29		27	268	509	27		
99	83		76		71	66	413	62		55	51	316	581	846				46	287		45		
139	116		107		99	93		87		77	71	336	602	867				64	305		63		
179			138		128	119		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	0
1	1	1	1	1	1	1	176	1	1	1	1
2	2	2	1	6	2	17	192	1	2	7	1
24	16	12	11	10	8	7	207	7	6	4	5
74	49	37	33	27	24	23	223	21	19	16	16
124	82	62	55	47	41	38	238	35	33	29	27
174	116	87	77	67	58	53	253	49	46	42	38
224	149	112	99	87	74	69	269	64	59	55	49
			122	109		84	284			67	61
			144	129		99	299			80	72
			166			115	315			93	83
			188			130	330			106	94
			211			146					105

MAINE

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

MARYLAND

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

MASSACHUSETTS

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

MICHIGAN

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

MINNESOTA

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

MISSISSIPPI

5%	6%	7%	7.25%	(→)		8%	8.5%	(→)	9%	9.25%
0	0	0	0	144	324	0	0	123	0	9.25
1	1	1	1	158	337	1	1	135	1	5002
6	1	6	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	0	211	0	0	5.225	0	187	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	205	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		1	2	200	8	198	1	194
11	10	32	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	75	335	52	43	52	50		39	49		44	276	44		41	259		40	40	248	39	246	38	241
82	76	75	356	74	65	72	70		59	68		62	294	62		58	276		57	56	265	55		54	256
	97	97	378	95	86	93	90		79	88		80	312	79		75	292		73	72		71		70	272
		118	399	116	107	114	110		98	107		98	330	97		92	309		90	88		87		85	287
		140	421	137	128	135	130		118			115	348	115		108	326			104		103		101	
		162	443	158	149	156	150		138			133	366	133		125	342			120		119		116	
		183		179	170	177	170		158			151	383	151		142	359			136		134		132	
		205		201			190		178			169		168		158	376			152		150		147	

MISSOURI

6.475%	(→)	6.55%	(→)	6.725%	7.225%
0	162	0	160	6.725	7.225
1	177	1	175	5002	5002
13	193	9	190		
7	208	7			
23	223	22			
38	239	38			
54	254	53			
69	270	68			
84	285	83			
100	301	99			
115	316	114			
131	332	129			
146		145			

NEBRASKA

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

NEVADA

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

N

NEW HAMPSHIRE

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

NEW JERSEY

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

NEW MEXICO

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

NEW MEXICO

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

NEW YORK

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

NORTH CAROLINA

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

NORTH DAKOTA

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

O

OHIO

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

OHIO

6.5%		7%		CUYAHOGA Co. 7%		7.75%
0	123	0	115	0	115	7.75
1	138	1	128	1	128	5002
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	0
1	1	1	353	1	5002	1	1	5002	1	1	5002	1	5002	5002	1	1	1	1
1	1	7	384	1		2	1		1	1		6		0	1	1	4	1
24	16	15	415	12		11	9		8	7		8		6	6	6	5	4
74	49	46	446	37		33	29		24	23		22		18	18	16	14	
	83	76	476			55			41			37		31	30	27	24	
	116	107	507			77			58			51			42	37	34	
		138	538			99						65			54	48	43	
		169	569			121						79			66	59		
		199	599			144						94			78	70		
		230										108			90	81		
		261										122			103	91		
		292																

P

PENNSYLVANIA

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

R

RHODE ISLAND

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

S

SOUTH CAROLINA

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

SOUTH DAKOTA

4%	5%	5.5%		6%		6.5%	7%	
0	0	0	190	0	161	0	0	149
1	1	1	210	1	176	1	1	
1	1	1		1	192	1	4	
12	30	10		9	207	7	7	
37		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

TENNESSE

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

T

TEXAS

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

TEXAS

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

U

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				2		0	4	
10	284	9	9	257	9	9				8		8	7	7
31	305	29	28	276	27	27				24			23	21
52	326		47	295	46	45				41			27	35
73	347		66	314	65	63				58			47	49
94	368		85	333	83	81				74			63	64
115	389		104	352	102	99								78
136	410		123	371		118								92
157			142	390		136								107
178			161	409		154								
199			180			172								

V

VERMONT

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

VIRGINIA

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

VIRGINIA

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

W

WASHINGTON

7%	7.2%		7.3%	7.5%		7.55%	4.125%		7.8%	7.9%	8%	8.1%	Combined 8.1%	8.2%			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	143	1	139	1	1	138		2	1	1	1	129	2	1	128	274	420	1
1	1		1	156	1	153	2	3	151		0	2	1	14	141	0	1	140	286	432	1
7	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	310	457	17
35	34		33	198	33	193	33	32	190		32	31	31	30	179	30	30	176	323	469	28
49	48		47	211	46	206	46	46	203		44	44		43	191	43	42	189	335	481	
64	62		61	225	59		59	59	217		57	56		55	203	55	54	201	347	493	
78	76		74	239	73		72	72	230		70			67		67	67	213	359	506	
92	90		88	252	86			85	243		83			80		80	79	225	371		
107	104		102		99			98	256					92			91	237	384		
	118		115		113			111	269					104			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

General guide

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

Take-up reel — — Pop-up display

Roll paper — — Main display

Printer — — Mode switch

Printer ink ribbon — — Keyboard

Battery compartment —

Drawer

Printer cover

Drawer lock
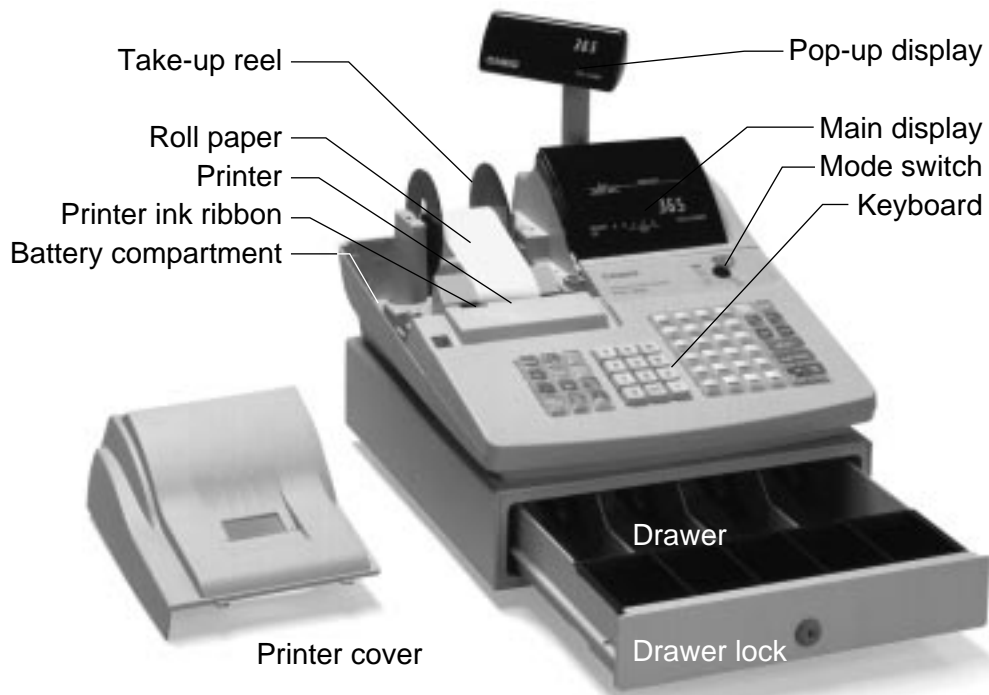
Battery compartment
Holds memory backup batteries (page 8).

Roll paper
You can use the roll paper to print receipts and a journal (page 9 ~ 11).

Printer ink ribbon
Provides ink for printing of registration details on the roll paper (page 6, 91).

Receipt on/off key
When you are using the printer for receipt printer, you can use this key (in the REG and RF modes only) to turn the printer on and off. If a customer asks for a receipt while receipt printing is turned off by this key, you can issue a post-finalization receipt (page 49).
Note: Instead of the receipt on/off switch, receipt issuance is controlled by this key.
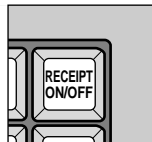
Mode key
There are two types of mode keys: the program key (marked "PGM") and the operator key (marked "OP"). The program key can be used to set the mode switch to any position, while the operator key can select the **REG, CAL** and **OFF** position
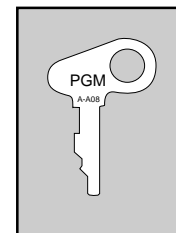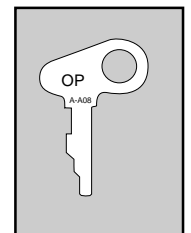
Program key   **Operator key**

Mode switch

Use the mode keys to change the position of the mode switch and select the mode you want to use.
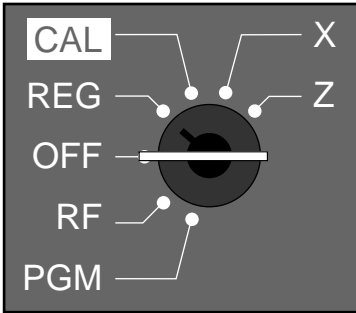
Mode Switch	Mode Name	Description
Z	**RESET**	Reads sales data in memory and clears the data.
X	**READ**	Reads sales data in memory without clearing the data.
CAL	**CALCULATOR**	Use this mode for calculator.
REG	**REGISTER**	Use this mode for normal registration.
OFF	**STAND-BY**	Cash register standing by.
RF	**REFUND**	Use this mode to register refund transaction.
PGM	**PROGRAM**	Use this mode for cash register programming.

Drawer

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

Drawer 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).
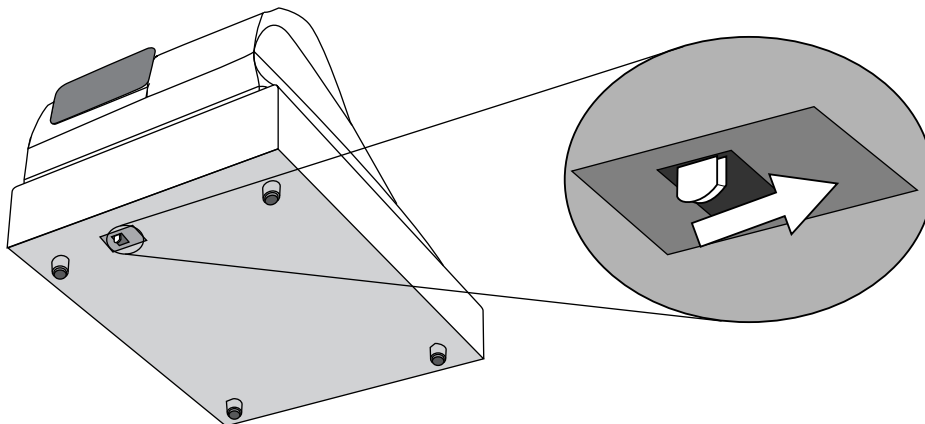
Important!

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

Introducing PCR-365A

Displays

<div align="center">Main Display   Pop-up display</div>

Department registration
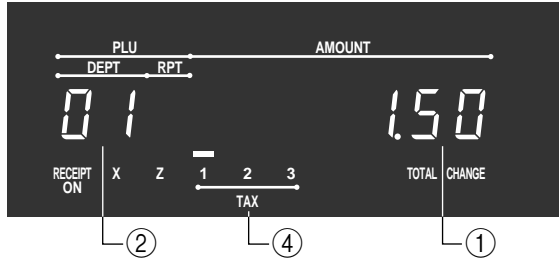
PLU registration
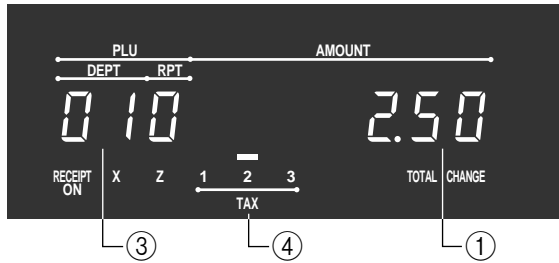
Repeat registration
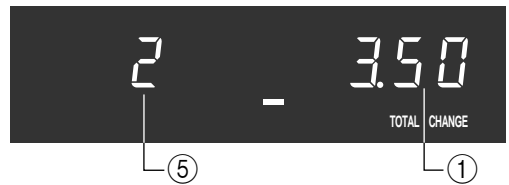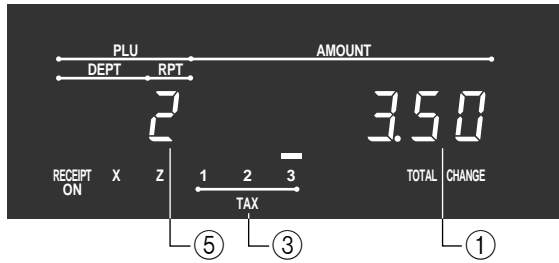
Totalize operation
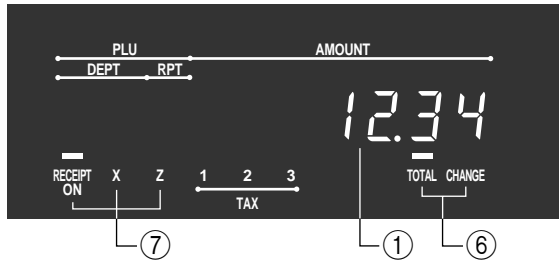
① **Amount/Quantity**

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 ~ 96) appears here.

③ **PLU (Subdepartment number)**

When you register a PLU (subdepartment) item, the corresponding PLU (subdepartment) number (001 ~ 600) appears here.

④ **Taxable sales status indicators**

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

⑤ **Number of repeats**

Anytime you perform a repeat registration (page 28, 32), the number of repeats appears here.
Note that only one digit is displayed for the number of repeats. This means that a "5" could mean 5, 15 or even 25 repeats.

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 **Receipt ON/OFF, X, Z indicators**

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

Keyboard
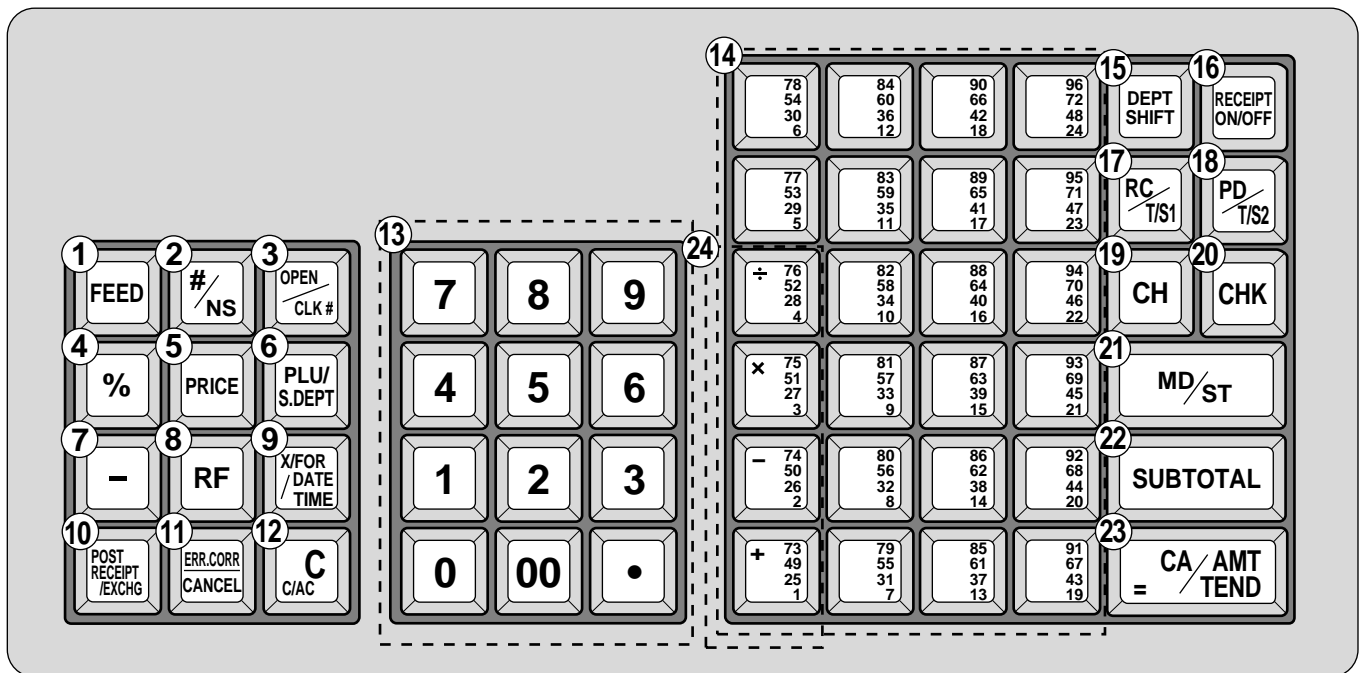
• Register Mode

① **Paper feed key** `FEED`

Hold this key down to feed paper from the printer.

② **Non-add/No sale key** `#/NS`

Non-add key: To print reference number (to identify a personal check, credit card, etc.) during a transaction, press this key after some numerical entries.
No sale key: Press this key to open the drawer without registering anything.

③ **Open/Clerk number key** `OPEN/CLK#`

It is necessary to select one of these functions (page 51).
Open key: Press this key to temporarily release a limitation on the number of digits that can be input for a unit price.
Clerk number key: Use this key to sign clerk on and off the register.

④ **Percent key** `%`

Use this key to register premiums, discounts or manual tax.

⑤ **Price key** `PRICE`

Use this key to register unit prices for subdepartment.

⑥ **PLU/Subdepartment key** `PLU/S.DEPT`

Use this key to input PLU (subdepartment) numbers.

⑦ **Minus key** `−`

Use this key to input values for subtraction.

⑧ **Refund key** `RF`

Use this key to input refund amounts and void certain entries.

About tax shift 3, refer to page 39.

⑨ **Multiplication/For/Date/Time key** `X/FOR /DATE TIME`

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

⑩ **Post receipt/Currency exchange key** `POST RECEIPT /EXCHG`

Post receipt key: Press this key to produce a post-finalization receipt (page 49).
Currency Exchange key: Use this key for calculating subtotal amounts or paying amount due in foreign currency (page 72).

⑪ **Error correct/Cancel key** `ERR CORR. CANCEL`

Use this key to correct registration errors and to cancel registration of entire transactions.

⑫ **Clear key** `C`

Use this key to clear an entry that has not yet been registered.

⑬ **Ten key pad** `0`, `1`, ~ `9`, `00`, `•`

Use these keys to input numbers.

⑭ **Department keys** `49/73 +25 1`, `50/74 −26 2`, ~ `72/96 48 24`

Use these keys to register items to departments.

⑮ **Department shift key** [DEPT/SHIFT]

Press this key to shift the department key number from 1 through 24 to 25 through 48, 49 to 72, 73 to 96 as follows.

[49/73 + 25 1] ⇨ Dept.1	[DEPT][DEPT][49/73 + 25 1] ⇨ Dept.49
[50/74 – 26 2] ⇨ Dept.2	[DEPT][DEPT][50/74 – 26 2] ⇨ Dept.50
:	:
[72/96 48 24] ⇨ Dept.24	[DEPT][DEPT][72/96 48 24] ⇨ Dept.72
[DEPT][49/73 + 25 1] ⇨ Dept.25	[DEPT][DEPT][DEPT][49/73 + 25 1] ⇨ Dept.73
[DEPT][50/74 – 26 2] ⇨ Dept.26	[DEPT][DEPT][DEPT][50/74 – 26 2] ⇨ Dept.74
:	:
[DEPT][72/96 48 24] ⇨ Dept.48	[DEPT][DEPT][DEPT][72/96 48 24] ⇨ Dept.96

⑯ **Receipt on/off key** [RECEIPT ON/OFF]

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

⑰ **Received on account/Tax status shift 1 key** [RC/T/S1]

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

⑱ **Paid out key/Tax status shift 2 key** [PD/T/S2]

Paid out: Press this key following a numeric entry to register money paid out from the drawer. Tax shift 2: Press this key without numeric entry to change the Taxable 2 status of the next item.

⑲ **Charge key** [CH]

Use this key to register a charge sale.

⑳ **Check key** [CHK]

Use this key to register a check tender. This key is also used for tax table 3 programming.

㉑ **Merchandise subtotal key** [MD/ST]

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

㉒ **Subtotal key** [SUB TOTAL]

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

㉓ **Cash amount tendered key** [CA/AMT =/TEND]

Press this key to register a cash sale.

• Calculator Mode

② **Drawer open key** [#/NS]

④ **Percent key** [%]

⑫ **Clear/All clear key** [C/AC]

⑬ **Ten key pad** [0], [1], ~ [9], [00], [·]

㉔ **Arithmetic operation key** [49/73 + 25 1], [50/74 – 26 2], [51/75 × 27 3] and [52/76 ÷ 28 4]

⑰ **Memory recall key** [PLU/S.DEPT]

㉒ **Equal key** [CA/AMT =/TEND]

Introducing PCR-365A

23

How to read the printouts

- The journal and receipts are records of all transactions and operations.
- The contents printed on receipts and journal are identical, except the date printing line. (The date line is printed on receipts and reports.)
- You can choose the journal skip function (page 50).
  If the journal skip function is selected, the cash register will print the total amount of each transaction, and the details of premium, discount and reduction operations only, without printing department and PLU item registrations on the journal.
- The following items can be skipped on receipts and journal.
  - Time
  - Consecutive number
  - Taxable status
  - Taxable amount

Receipt Sample

```
************************
      * THANK YOU *
**      CALL AGAIN      **     ─ Logo message
    * YOUR RECEIPT *
************************

* COMMERCIAL MESSAGE  *
* COMMERCIAL MESSAGE  *
* COMMERCIAL MESSAGE  *     ─ Commercial message
* COMMERCIAL MESSAGE  *
* COMMERCIAL MESSAGE  *
05-11-2000  12:34   0001    ─ Date/Time/Machine No.
REG    C01      000123       ─ Mode/Clerk/
                               Consecutive No.
DEPT01      ℡    $1.00
DEPT02      ℡    $2.00
     5  X      @1.00
DEPT03      ℡    $5.00
TA1              $8.00
TX1              $0.40
TA2              $8.00
TX2              $0.80
TL              $9.20
CA             $10.00
CG              $0.80
        7 No                ─ Item counter
```

Journal Sample (Item lines Included)

```
            12:33    0001
REG    C01       000122
DEPT01      ℡    $1.00
DEPT02      ℡    $2.00
TA1              $3.00
TX1              $0.15
CA              $3.15

            12:34    0001
REG    C01       000123
DEPT01      ℡    $1.00
DEPT02      ℡    $2.00
     5  X      @1.00
DEPT03      ℡    $5.00
TA1              $8.00
TX1              $0.40
TA2              $8.00
TX2              $0.80
TL              $9.20
CA             $10.00
CG              $0.80
        7 No
            12:35    0001
REG    C01       000124
DEPT01      ℡    $1.00
DEPT02      ℡    $2.00
     5  X      @1.00
DEPT03      ℡    $5.00
```

Journal Sample (Item lines Skipped)

```
            12:32    0001
REG    C01       000121
TA1              $3.00
TX1              $0.15
CA              $3.15
        2 No
            12:33    0001
REG    C01       000122
TA1              $3.00
TX1              $0.15
CA              $3.15
        2 No
            12:34    0001
REG    C01       000123
TA1              $3.00
TX1              $0.15
TA2              $5.00
TX2              $0.20
TL              $8.35
CA             $10.00
CG              $1.75
        7 No
            12:35    0001
REG    C01       000124
TA1              $3.00
TX1              $0.15
TA2              $5.00
TX2              $0.20
```

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

How to use your cash register

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

BEFORE business hours…
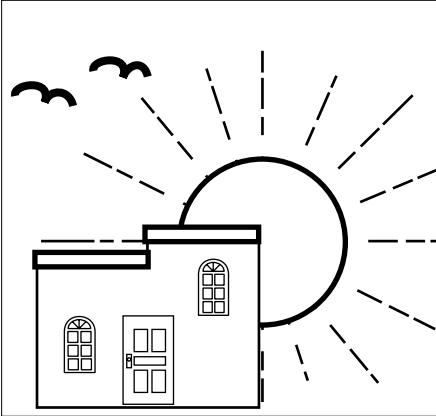
- Check to make sure that the cash register is plugged in securely. — Page 8
- Check to make sure there is enough paper left on the roll. — Page 9
- Read the financial totals to confirm that they are all zero. — Page 79
- Check the date and time. — Page 26

DURING business hours…

- Register transactions. — Page 27
- Periodically read totals. — Page 78

AFTER business hours…
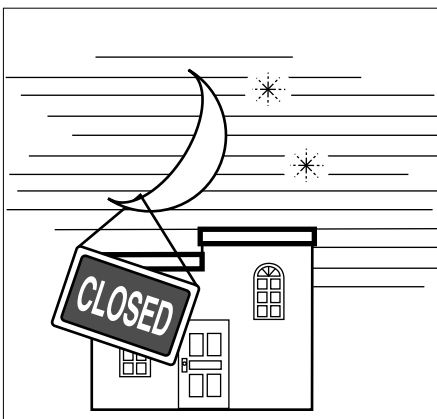
- Reset the daily totals. — Page 47
- Remove the journal. — Page 92
- Empty the cash drawer and leave it open. — Page 19
- Take the cash and journal to the office.

Basic Operations and Setups

Basic Operations and Setups

Displaying the time and date

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

Mode Switch
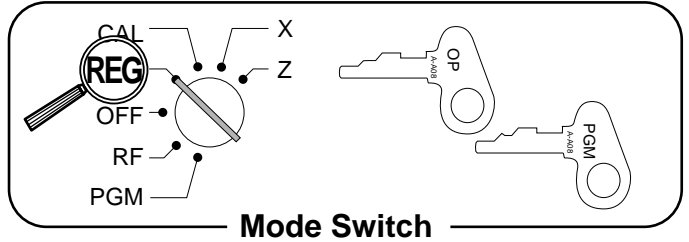
To display and clear the time

OPERATION	DISPLAY
$\boxed{\substack{X/FOR \\ DATE \\ TIME}}$ Time appears on the display	*08-30.* Hour Minutes (24-hour system)
$\boxed{\substack{C \\ C/AC}}$ Clears the time display	*0.00*

To display and clear the date

OPERATION	DISPLAY
$\boxed{\substack{X/FOR \\ DATE \\ TIME}}$	*08-31.* (Time is displayed first)
$\boxed{\substack{X/FOR \\ DATE \\ TIME}}$ Date appears on the display	*05-11-2000* Month Day Year
$\boxed{\substack{C \\ C/AC}}$ Clears the date display	*0.00*

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 $\boxed{\substack{RC/ \\ T/S1}}$ key instead of the $\boxed{\substack{\#/ \\ NS}}$ key. See page 43.)

Mode Switch
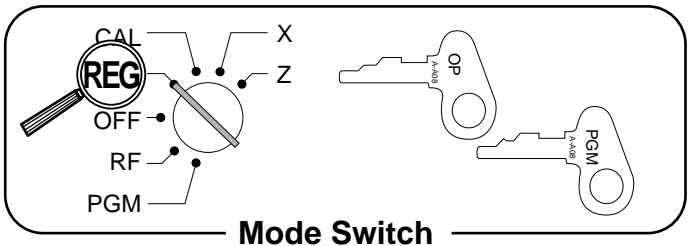
Opening the drawer without a sale

OPERATION	RECEIPT

$\boxed{\substack{\#/ \\ NS}}$	```05-11-2000 08:35```
	```REG 000001```
	
	```#/NS ....```

Preparing and using department keys

Registering department keys

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

CAL — X
REG
— Z
OFF
RF
PGM
Mode Switch
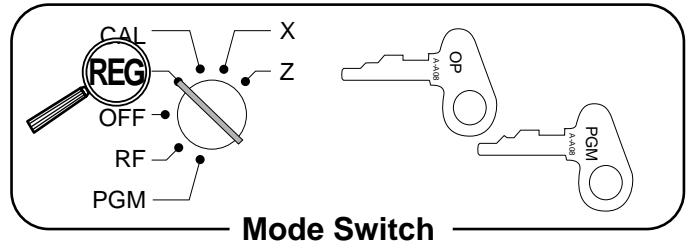
Single item sale

Example 1

Item	Unit price	$1.00
	Quantity	1
	Dept.	1
	Taxable	1/2
Payment	Cash	$1.15

OPERATION

`1` `00`
Unit price

`49/73 25 + 1`
Department

`CA/AMT =/TEND`

RECEIPT

```
05-11-2000   08:40
REG               000002

DEPT01      ᵀₓ    $1.00
TA1               $1.00
TX1               $0.05
TA2               $1.00
TX2               $0.10
CA               $1.15
```
— Date/time
— Mode/consecutive No.
— Department No./ unit price
— Taxable amount 1
— Tax amount 1
— Taxable amount 2
— Tax amount 2
— Cash total amount

Example 2

Item 1	Unit price	$1.00
	Quantity	1
	Dept.	25
Item 2	Unit price	$2.00
	Quantity	1
	Dept.	49
Item 3	Unit price	$3.00
	Quantity	1
	Dept.	73
Payment	Cash	$10.00

OPERATION

`1` `00` `DEPT SHIFT` `49/73 25 + 1`

Designating from department 25 to 48, press `DEPT SHIFT` once (- ᴢ - shows),
49 to 72, press `DEPT SHIFT` twice, (- ᴣ - shows),
73 to 96, press `DEPT SHIFT` three times (- ᴴ - shows).

`2` `00`
`DEPT SHIFT` `DEPT SHIFT` `49/73 25 + 1`

`3` `00`
`DEPT SHIFT` `DEPT SHIFT` `DEPT SHIFT` `49/73 25 + 1`

`CA/AMT =/TEND`

RECEIPT

```
05-11-2000   08:45
REG               000003

DEPT25            $1.00
DEPT49            $2.00
DEPT73            $3.00
TL               $6.00
CA               $10.00
CG               $4.00
```

Example 3

Item	Unit price	$3.00
	Quantity	1
	Dept.	1
	Taxable	(1/2)→2
Payment	Cash	$3.30

OPERATION

`RC/ T/S1` `3` `00` `49/73 25 + 1`

Shifting taxable dept. to nontaxable by depressing `RC/T/S1`, `PD/T/S2` before numeric.

`CA/AMT =/TEND`

RECEIPT

```
05-11-2000   08:50
REG               000004

DEPT01      ₓ     $3.00
TA2               $3.00
TX2               $0.30
CA               $3.30
```
— Tax status
— Taxable amount 2
— Tax amount 2

Basic Operations and Setups

Repeat

<table>
<tr><td rowspan="4">Item</td><td>Unit price</td><td>$1.50</td></tr>
<tr><td>Quantity</td><td>3</td></tr>
<tr><td>Dept.</td><td>1</td></tr>
<tr><td>Taxable</td><td>1/2</td></tr>
<tr><td>Payment</td><td>Cash</td><td>$10.00</td></tr>
</table>

OPERATION

`1` `5` `0` `49/73 +25 1`
`49/73 +25 1`
`49/73 +25 1`
`SUB TOTAL`
`1` `0` `00` `CA/AMT =/TEND`

RECEIPT

```
05-11-2000   08:55
REG                    000005

DEPT01        ココ      $1.50
DEPT01        ココ      $1.50  ─ Repeat
DEPT01        ココ      $1.50  ─ Repeat
TA1                    $4.50
TX1                    $0.23
TA2                    $4.50
TX2                    $0.45
TL                    $5.18
CA                    $10.00
CG                     $4.82
```

Multiplication

<table>
<tr><td rowspan="4">Item</td><td>Unit price</td><td>$1.00</td></tr>
<tr><td>Quantity</td><td>12.5</td></tr>
<tr><td>Dept.</td><td>1</td></tr>
<tr><td>Taxable</td><td>1/2</td></tr>
<tr><td>Payment</td><td>Cash</td><td>$20.00</td></tr>
</table>

OPERATION

`1` `2` `·` `5` `X/FOR DATE TIME`
Quantity
(4-digit integer/2-digit decimal)

`1` `00` `49/73 +25 1`
`SUB TOTAL`
`2` `0` `00` `CA/AMT =/TEND`

RECEIPT

```
05-11-2000   09:00
REG                    000006

   12.5   X       @1.00        ─ Quantity/unit price
DEPT01        ココ     $12.50
TA1                   $12.50
TX1                    $0.63
TA2                   $12.50
TX2                    $1.25
TL                   $14.38
CA                    $20.00
CG                     $5.62
```

Split sales of packaged items

<table>
<tr><td rowspan="4">Item</td><td>Unit price</td><td>4 for $10.00</td></tr>
<tr><td>Quantity</td><td>3</td></tr>
<tr><td>Dept.</td><td>1</td></tr>
<tr><td>Taxable</td><td>1/2</td></tr>
<tr><td>Payment</td><td>Cash</td><td>$10.00</td></tr>
</table>

OPERATION

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

`4` `X/FOR DATE TIME`
Quantity being purchased
(4-digit integer/2-digit decimal)

`1` `0` `00` `49/73 +25 1`
Package price

`SUB TOTAL`
`1` `0` `00` `CA/AMT =/TEND`

RECEIPT

```
05-11-2000   09:05
REG                    000007

   3   X                       ─ Quantity
       @4   /    10.00         ─ Package quantity/
DEPT01        ココ      $7.50      unit price
TA1                    $7.50
TX1                    $0.38
TA2                    $7.50
TX2                    $0.75
TL                    $8.63
CA                    $10.00
CG                     $1.37
```

Programming department keys

To program a unit price for each department

Unit price
Example:
$1.00 ⇨ **1 0 0**
$10.25 ⇨ **1 0 2 5**
$1234.56 ⇨ **1 2 3 4 5 6**

To another department

```
PGM
A-A08

CAL ——— X
REG —•    •— Z
OFF —•  •
RF —•
PGM
Mode Switch
```

➡ **1** ➡ [SUB TOTAL] ➡ ☐☐☐☐☐☐ ➡ [keys] ➡ [SUB TOTAL]

Unit price

Key	Department
49/73 +25/+1	(Dept. 1)
50/74 −26/−2	(Dept. 2.)
:	
72/96 48/24	(Dept. 24)
DEPT SHIFT, 49/73 +25/+1	(Dept. 25)
:	
DEPT SHIFT, 72/96 48/24	(Dept. 48)
:	
DEPT SHIFT, DEPT SHIFT, 72/96 48/24	(Dept. 72)
:	
DEPT SHIFT, DEPT SHIFT, DEPT SHIFT, 72/96 48/24	(Dept. 96)
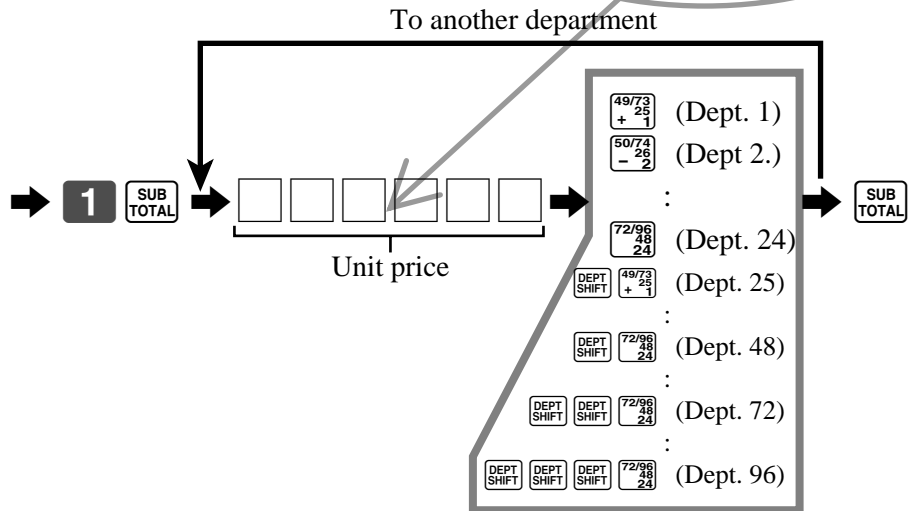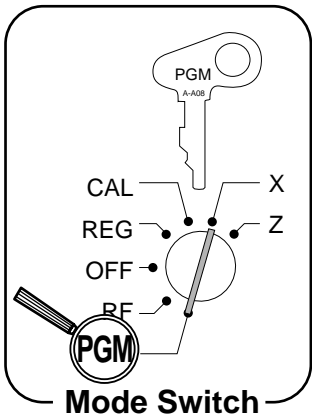
To program the tax calculation status for each department

Tax calculation status
This specification defines which tax table should be used for automatic tax calculation.
See page 13 for information on setting up the tax tables.
Note: If you require tax table 3, please refer to page 39.

Programming procedure

Different status to different department

Same status to different department

```
PGM
A-A08

CAL ——— X
REG —•    •— Z
OFF —•  •
RF —•
PGM
Mode Switch
```

➡ **1** [SUB TOTAL] ➡

- Tax table 1 : [RC/T/S1]
- Tax table 2 : [PD/T/S2]
- Tax table 3 * : [CHK]
- Tax table 1 & 2 : [RC/T/S1] [PD/T/S2]
- Tax table 1, 2 & 3 : [RC/T/S1] [PD/T/S2] [CHK]
- No tax calculation : [#/NS]

➡ [keys] ➡ [SUB TOTAL]

Key	Department
49/73 +25/+1	(Dept. 1)
50/74 −26/−2	(Dept. 2)
:	
72/96 48/24	(Dept. 24)
DEPT SHIFT, 49/73 +25/+1	(Dept. 25)
:	
DEPT SHIFT, 72/96 48/24	(Dept. 48)
:	
DEPT SHIFT, DEPT SHIFT, 72/96 48/24	(Dept. 72)
:	
DEPT SHIFT, DEPT SHIFT, DEPT SHIFT, 72/96 48/24	(Dept. 96)

Note: Tax symbols
τ_1: Tax table 1
τ_2: Tax table 2
τ_3: Tax table 3
$\tau_1\tau_2$: Tax table 1 and 2
∗: Tax table 1, 2 and 3

Tax status for the departments are initialized as follow:
Department 01 ~ 12: Tax table 1 and 2,
Department 13 ~ 96: No tax calculation.

* Use the [CHK] key for tax table 3 programming.

Basic Operations and Setups

Registering department keys by programming data

Mode Switch
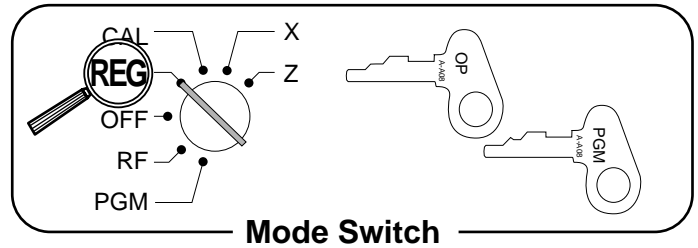
Preset price

| OPERATION | RECEIPT |

Item	Unit price	($1.00)preset
	Quantity	1
	Dept.	2
	Taxable	No
Payment	Cash	$1.00

```
50/74
26
-   2

CA/AMT
=/TEND
```

```
05-11-2000   09:10
REG                000008

DEPT02              $1.00
CA                 $1.00
```
— Department No./ unit price

Preset tax status (Add-on tax)

| OPERATION | RECEIPT |

Item 1	Unit price	($2.00)preset
	Quantity	5
	Dept.	3
	Taxable	(1)preset
Item 2	Unit price	($2.00)preset
	Quantity	1
	Dept.	3
	Taxable	No
Payment	Cash	$20.00

```
5  X/FOR
   DATE
   TIME

   51/75
   27
   × 3

RC/  51/75
/T/S1  27
     × 3

SUB
TOTAL

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

```
05-11-2000   09:15
REG                000009

      5  X       @2.00
DEPT03      T₁    $10.00
DEPT03            $2.00
TA1              $10.00
TX1               $0.50
TL             $12.50
CA               $20.00
CG                $7.50
```
— Tax status
— Taxable Amount 1
— Tax amount 1

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 and tax status for each PLU.

Programming PLUs

To program a unit price for each PLU
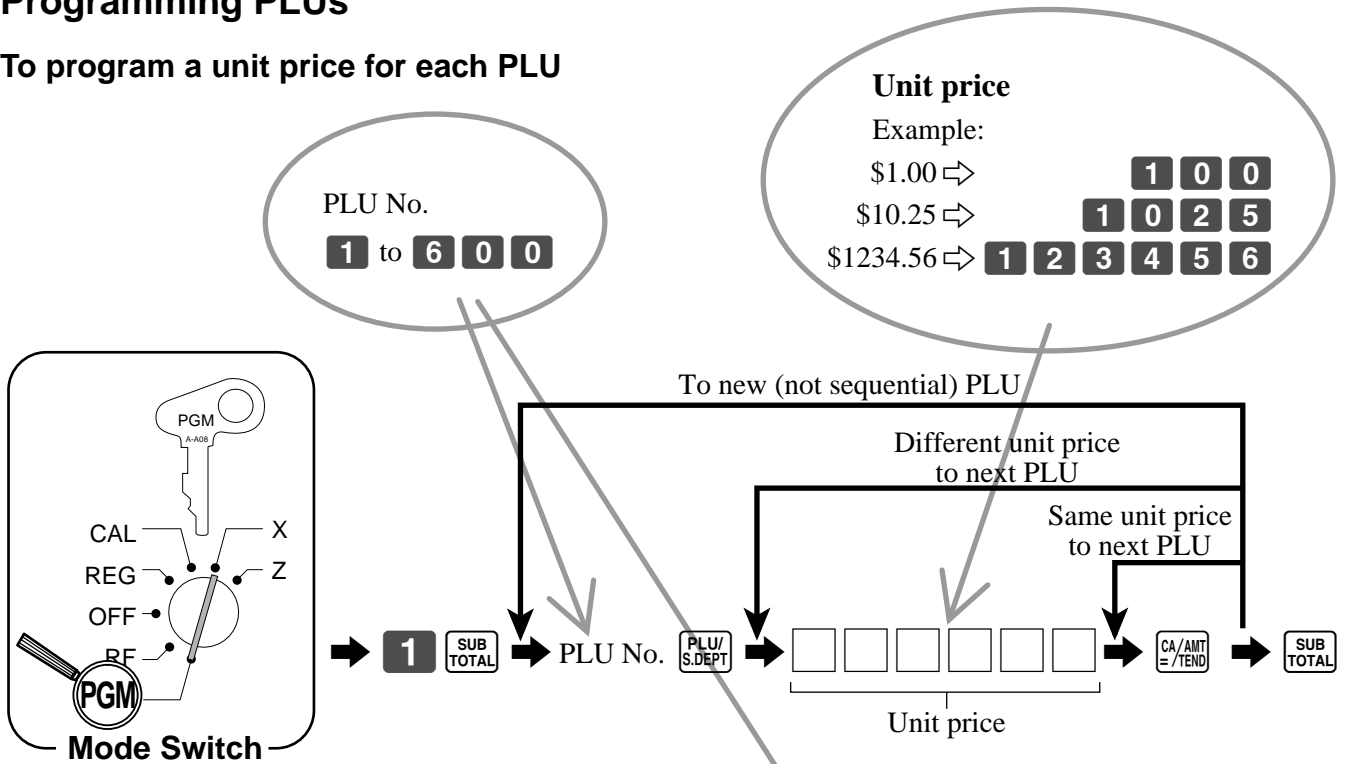
Unit price
Example:
$1.00 ⇨ [1] [0] [0]
$10.25 ⇨ [1] [0] [2] [5]
$1234.56 ⇨ [1] [2] [3] [4] [5] [6]

PLU No.
[1] to [6] [0] [0]

To new (not sequential) PLU

Different unit price to next PLU

Same unit price to next PLU

Mode Switch

➡ [1] [SUB TOTAL] ➡ PLU No. [PLU/ S.DEPT] ➡ [ ][ ][ ][ ][ ][ ] ➡ [CA/AMT =/TEND] ➡ [SUB TOTAL]

Unit price

To program tax calculation status for each PLU

Different status to different PLU

Same status to different PLU

Same status to the next PLU

Mode Switch

➡ [1] [SUB TOTAL] ➡
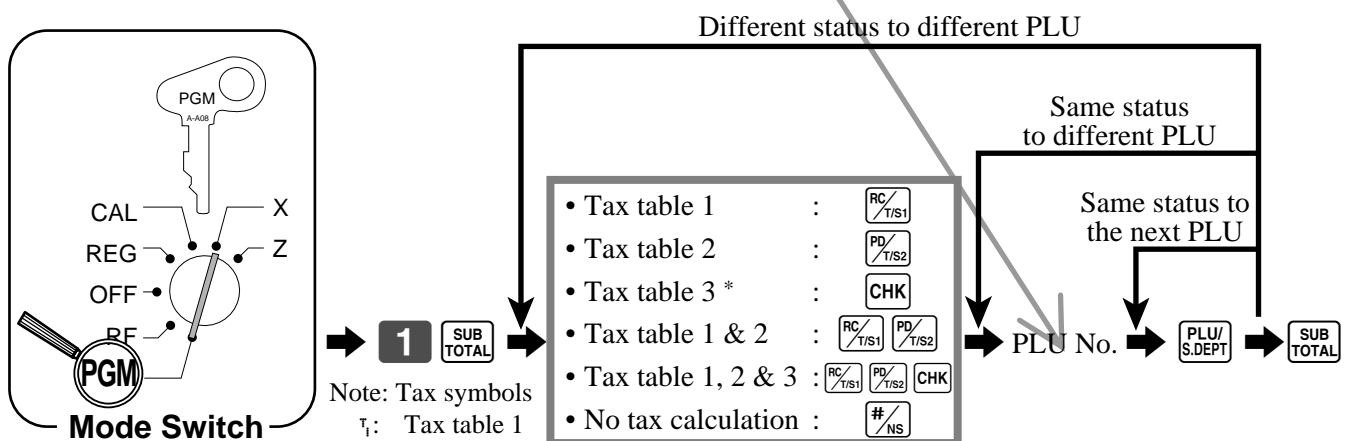
Note: Tax symbols
- т₁: Tax table 1
- т₂: Tax table 2
- т₃: Tax table 3
- т₁т₂: Tax table 1, and 2
- ✳: Tax table 1, 2, and 3

All PLUs are initialized as no tax calculation.

- Tax table 1 : [RC/T/S1]
- Tax table 2 : [PD/T/S2]
- Tax table 3 * : [CHK]
- Tax table 1 & 2 : [RC/T/S1] [PD/T/S2]
- Tax table 1, 2 & 3 : [RC/T/S1] [PD/T/S2] [CHK]
- No tax calculation : [#/NS]

➡ PLU No. ➡ [PLU/ S.DEPT] ➡ [SUB TOTAL]

Note: If you require tax table 3, please refer to page 39.

* Use the [CHK] key for tax table 3 programming.

Basic Operations and Setups

Basic Operations and Setups

Registering PLUs

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

Registering by subdepartment, see the "Convenient Operations and Setups" on page 64.

Mode Switch
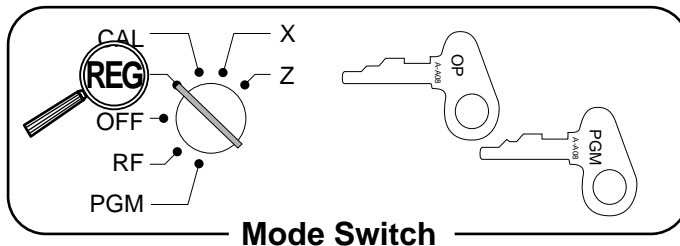
PLU single item sale

| OPERATION | RECEIPT |

Item	Unit price	($2.50)$_{preset}$
	Quantity	1
	PLU	14
	Taxable	(2)$_{preset}$
Payment	Cash	$3.00

1 4
PLU code

PLU/ S.DEPT

SUB TOTAL

3 00 CA/AMT =/TEND

```
05-11-2000   09:20
REG                  000010

PLU014        ち      $2.50    — PLU No./unit price
TA2                  $2.50
TX2                  $0.25
TL                   $2.75
CA                   $3.00
CG                   $0.25
```

PLU repeat

| OPERATION | RECEIPT |

Item	Unit price	($2.50)$_{preset}$
	Quantity	3
	PLU	14
	Taxable	(2)$_{preset}$
Payment	Cash	$10.00

1 4 PLU/ S.DEPT

PLU/ S.DEPT

PLU/ S.DEPT

SUB TOTAL

1 0 00 CA/AMT =/TEND

```
05-11-2000   09:25
REG                  000011

PLU014        ち      $2.50
PLU014        ち      $2.50
PLU014        ち      $2.50
TA2                  $7.50
TX2                  $0.75
TL                   $8.25
CA                  $10.00
CG                   $1.75
```

PLU multiplication

| OPERATION | RECEIPT |

Item	Unit price	($1.20)$_{preset}$
	Quantity	15
	PLU	2
	Taxable	(2)$_{preset}$
Payment	Cash	$20.00

1 5 X/FOR DATE TIME
Quantity
(4-digit integer/2-digit decimal)

2 PLU/ S.DEPT

SUB TOTAL

2 0 00 CA/AMT =/TEND

```
05-11-2000   09:30
REG                  000012

     15  X      @1.20
PLU002        ち     $18.00
TA2                 $18.00
TX2                  $1.80
TL                  $19.80
CA                  $20.00
CG                   $0.20
```

PLU split sales of packaged item

			OPERATION	RECEIPT

	Unit price	(5for$20.00)$_{preset}$
Item	Quantity	3
	PLU	28
	Taxable	(2)$_{preset}$
Payment	Cash	$15.00

OPERATION

3 [X/FOR DATE TIME]
Quantity
(4-digit integer/2-digit decimal)

5 [X/FOR DATE TIME]

2 8 [PLU/S.DEPT]

[SUB TOTAL]

1 5 00 [CA/AMT =/TEND]

RECEIPT

```
05-11-2000   09:35
REG                 000013

     3  X
        @5   /      20.00
PLU028       ↳     $12.00
TA2                $12.00
TX2                 $1.20
TL               $13.20
CA                 $15.00
CG                  $1.80
```

Preparing and using discounts

This section describes how to prepare and register discount.

Programming discounts

You can use the ⌜%⌝ key to register discounts (percentage decreases). The more detailed informations about the discount (and premium) are described in the "Registering discounts and premiums" section in the "Convenient Operations and setups" on page 70.

To program a rate to the ⌜%⌝ key
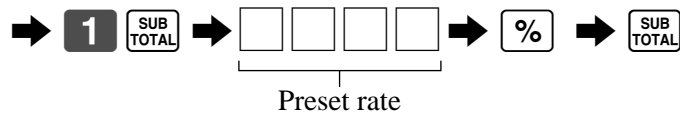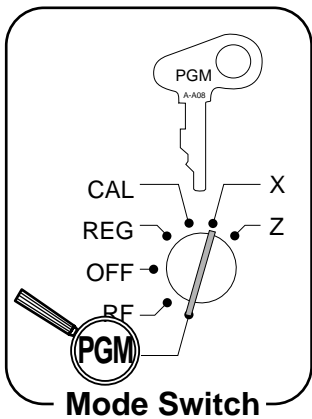
Example:
10%	⇨	**1** **0**
5.5%	⇨	**5** **·** **5**
12.34%	⇨	**1** **2** **·** **3** **4**

Preset rate

Mode Switch

To program tax status to the ⌜%⌝ key
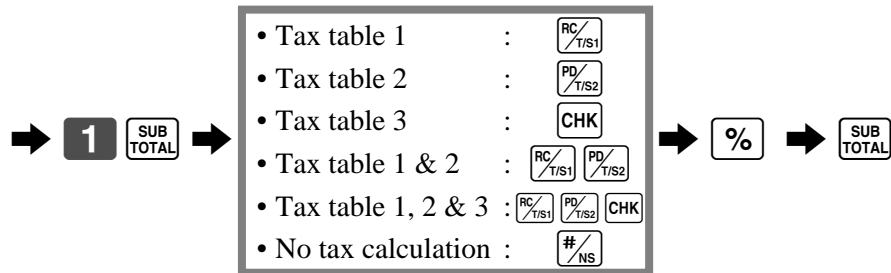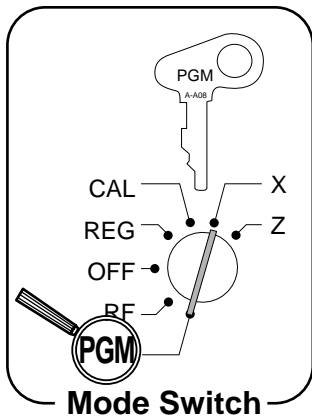
- Tax table 1   : ⌜RC⁄T/S1⌝
- Tax table 2   : ⌜PD⁄T/S2⌝
- Tax table 3   : ⌜CHK⌝
- Tax table 1 & 2   : ⌜RC⁄T/S1⌝ ⌜PD⁄T/S2⌝
- Tax table 1, 2 & 3 : ⌜RC⁄T/S1⌝ ⌜PD⁄T/S2⌝ ⌜CHK⌝
- No tax calculation : ⌜#⁄NS⌝

Note: Tax symbols
ᴛₗ: Tax table 1
ᴛ₂: Tax table 2
ᴛ₃: Tax table 3
ᴛₗᴛ₂: Tax table 1, and 2
∗:   Tax table 1, 2, and 3
Tax status for the ⌜%⌝ key is initialized as tax table 1, 2 and 3.

Mode Switch

Note: If you require tax table 3, please refer to page 39.

Registering discounts

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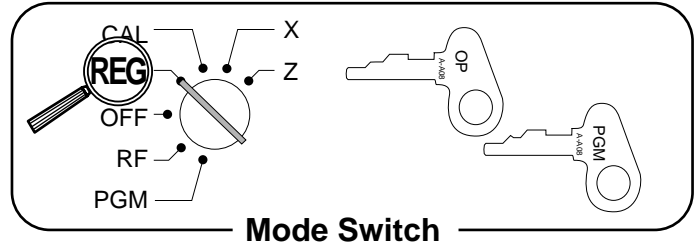
Mode Switch

Discount for items and subtotals

	OPERATION		RECEIPT

	Unit price	$5.00	
Item 1	Quantity	1	
	Dept.	1	
	Taxable	$(1)_{preset}$	
	Unit price	$($10.00$)_{preset}$	
Item 2	Quantity	1	
	PLU	16	
	Taxable	$(2)_{preset}$	
Discount	Rate	$(5\%)_{preset}$	
Subtotal discount	Rate	3.5%	
	Taxable	all	
Payment	Cash	$16.00	

OPERATION

5 00 [49/73 25 +1]
1 6 [PLU/S.DEPT]
[%]
Applies the preset discount rate to the last item registered.
[MD/ST]
For this operation, hit this key instead of [SUB TOTAL].
3 · 5 [%]
The input value takes priority of the preset value.
[SUB TOTAL]
1 6 00 [CA/AMT =/TEND]

RECEIPT

```
05-11-2000   10:40
REG                 000014

DEPT01        ₁    $5.00
PLU016        ₂   $10.00
    5%
%             ₂    -0.50
ST                $14.50
   3.5%
%             *    -0.51
TA1                $4.82
TX1                $0.24
TA2                $9.17
TX2                $0.92
TL             $15.15
CA                $16.00
CG                 $0.85
```

• 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.

Basic Operations and Setups

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Preparing and using reductions

This section describes how to prepare and register reductions.

Programming for reductions

You can use the $\boxed{-}$ key to reduce single item or subtotal amounts. The following procedure lets you program the tax calculation method for the $\boxed{-}$ key.

To program tax calculation status

• Tax table 1	: RC/T/S1
• Tax table 2	: PD/T/S2
• Tax table 3	: CHK
• Tax table 1 & 2	: RC/T/S1 PD/T/S2
• Tax table 1, 2 & 3	: RC/T/S1 PD/T/S2 CHK
• No tax calculation	: #/NS

Note: Tax symbols
  ᴛ₁: Tax table 1
  ᴛ₂: Tax table 2
  ᴛ₃: Tax table 3
  ᴛ₁ᴛ₂: Tax table 1, and 2
  ✱: Tax table 1, 2, and 3
Tax status for the $\boxed{-}$ key is initialized as no tax calculation.
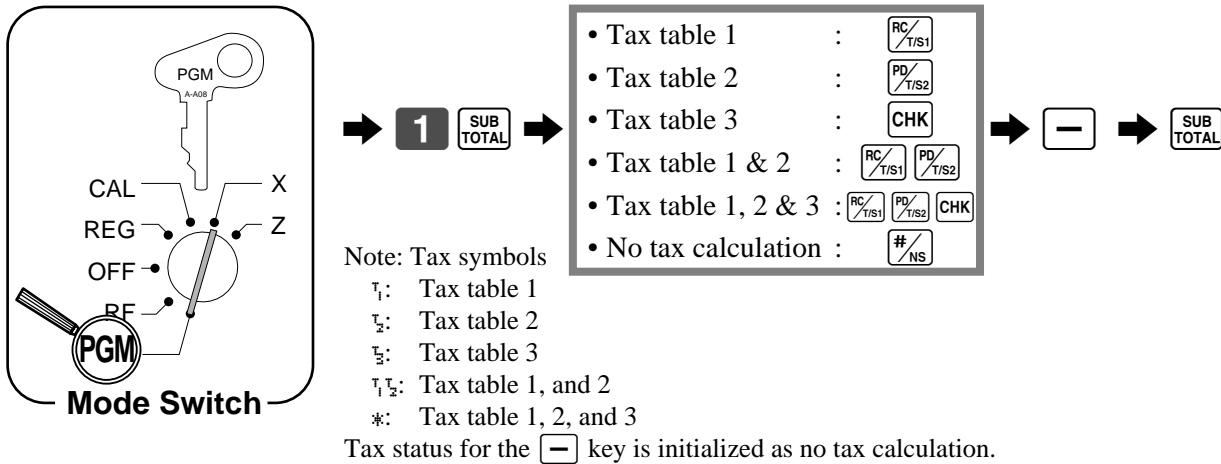
Taxable status of the $\boxed{-}$ key

The tax calculation for the reduction amount is performed in accordance with the tax status programmed for the $\boxed{-}$ key, regardless of whether the reduction is performed on the last item registered or a subtotal amount.
Note: If you require tax table 3, please refer to page 39.

To program preset reduction amount

Unit price
Example:

$1.00 ⇨ 1 0 0
$10.25 ⇨ 1 0 2 5
$1234.56 ⇨ 1 2 3 4 5 6
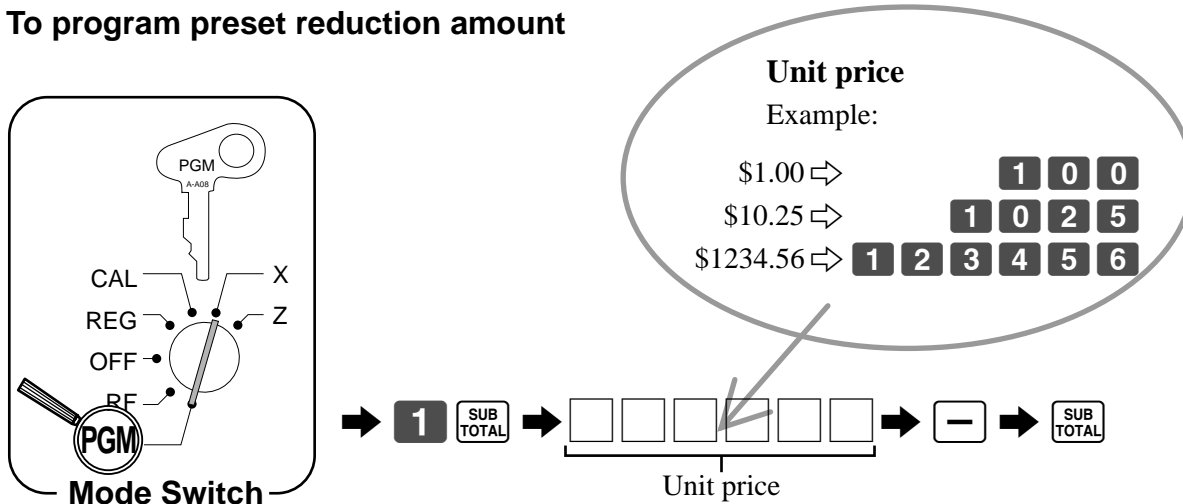
Unit price

Registering reductions

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

Mode Switch
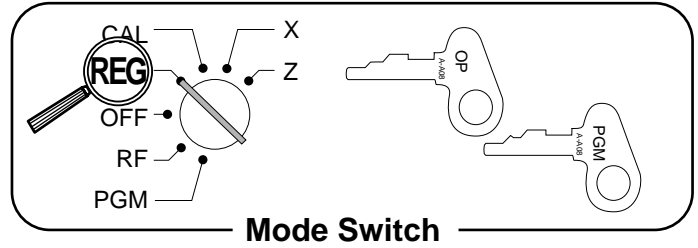
Reduction for items

OPERATION | **RECEIPT**

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

OPERATION

5 00 [49/73 25 + 1]
2 5 ⊟
Reduces the last amount registered by the value input.
4 5 [PLU/S.DEPT]
⊟
[SUB TOTAL]
1 1 00 [CA/AMT =/TEND]

RECEIPT

```
05-11-2000   10:45
REG                000015

DEPT01        ᵀ₁    $5.00
-                  -0.25
PLU045        ᵀ₁    $6.00
-                  -0.50
TA1                $11.00
TX1                 $0.55
TL               $10.80
CA                 $11.00
CG                  $0.20
```

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

Reduction for subtotal

OPERATION | **RECEIPT**

	Unit price	$3.00
Item 1	Quantity	1
	Dept.	1
	Taxable	$(1)_{preset}$
	Unit price	$4.00
Item 2	Quantity	1
	Dept.	2
	Taxable	$(2)_{preset}$
Subtotal Reduction	Amount	$0.75
Payment	Cash	$7.00

OPERATION

3 00 [49/73 25 + 1]
4 00 [50/74 26 - 2]
[SUB TOTAL]
7 5 ⊟
Reduces the subtotal by the value input here.
[SUB TOTAL]
7 00 [CA/AMT =/TEND]

RECEIPT

```
05-11-2000   10:50
REG                000016

DEPT01        ᵀ₁    $3.00
DEPT02        ᵀ₂    $4.00
-                  -0.75
TA1                 $3.00
TX1                 $0.15
TA2                 $4.00
TX2                 $0.40
TL                $6.80
CA                  $7.00
CG                  $0.20
```

Basic Operations and Setups

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Calculating the merchandise subtotal

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

Mode Switch
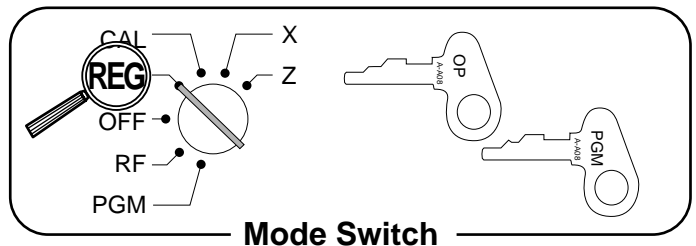
Calculation merchandise subtotal

			OPERATION	DISPLAY
Item 1	Unit price	$1.00	`1` `00` `49/73 25 + 1`	`01    1.00`
	Quantity	1		
	Dept.	1		
	Taxable	(1)preset		
Item 2	Unit price	$2.00	`2` `00` `50/74 26 − 2`	`02    2.00`
	Quantity	1		
	Dept.	2		
	Taxable	(2)preset		
Item 3	Unit price	$3.00	`3` `00` `51/75 27 × 3`	`03    3.00`
	Quantity	1		
	Dept.	3		
	Taxable	(1)preset		
Payment	Cash	$10.00		

OPERATION	DISPLAY
`MD/ST`	`6.00`

Calculates the merchandise subtotal.

OPERATION	DISPLAY
`SUB TOTAL`	`6.40`

Calculates the subtotal (with add-on tax).

OPERATION	DISPLAY
`1` `0` `00` `CA/AMT =/TEND`	`3.60`

RECEIPT

```
05-11-2000   10:55
REG                 000017

DEPT01       ⁊     $1.00
DEPT02       ⁊     $2.00
DEPT03       ⁊     $3.00
ST                 $6.00
TA1                $4.00
TX1                $0.20
TA2                $2.00
TX2                $0.20
TL                $6.40
CA                $10.00
CG                 $3.60
```

• For a partial tender operation, you should press the `SUB TOTAL` key instead of the `MD/ST` key.

Shifting taxable 1/2 status of an item

By pressing "Tax Shift" key, you can shift the taxable 1/2 status of an item.
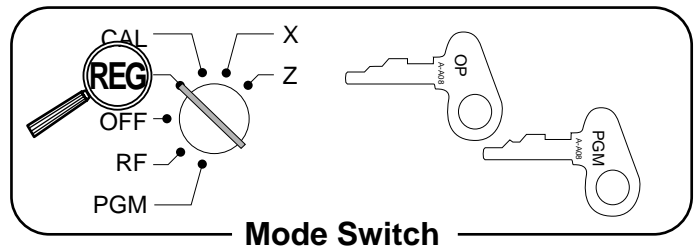
Mode Switch

Calculation merchandise subtotal

	OPERATION	RECEIPT

Item 1 Unit price	$4.00	
Quantity	1	
Dept.	1	
Taxable	$(2)_{preset}$	
Item 2 Unit price	$2.00	
Quantity	1	
Dept.	2	
Taxable	(No)→1	
Item 3 Unit price	$6.00	
Quantity	1	
Dept.	3	
Taxable	(1)→1, 2	
Item 4 Unit price	$7.00	
Quantity	1	
Dept.	4	
Taxable	(2)→No	
Payment	Cash	$21.00

OPERATION

4 00 [49/73 25 + 1]

[RC/T/S1]

2 00 [50/74 26 – 2]

Pressing [RC/T/S1] changes the tax status from Nontaxable to Taxable 1

[PD/T/S2]

6 00 [51/75 27 × 3]

Pressing [PD/T/S2] changes the tax status from Taxable 1 to Taxable 1, 2

[PD/T/S2]

7 00 [52/76 28 ÷ 4]

Pressing [PD/T/S2] changes the tax status from Taxable 2 to Nontaxable

[SUB TOTAL]

2 1 00 [CA/AMT =/TEND]

RECEIPT

```
05-11-2000   11:00
REG                  000018

DEPT01        ⊔       $4.00
DEPT02        ⊓       $2.00
DEPT03        ⊓⊔      $6.00
DEPT04                $7.00
TA1                   $8.00
TX1                   $0.40
TA2                  $10.00
TX2                   $1.00
TL                  $20.40
CA                   $21.00
CG                    $0.60
```

Basic Operations and Setups

Important!

- To change the tax status of the next item to be registered, be sure to press [RC/T/S1], [PD/T/S2] without inputting any value.

  (Note: You cannot change to 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 premium/discount ([%] key) operation on this item is always nontaxable.

  In this case, you cannot manually change the tax status to Taxable 1 or 2 by pressing the [RC/T/S1], [PD/T/S2] keys.

Registering charge and check payments

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

Mode Switch
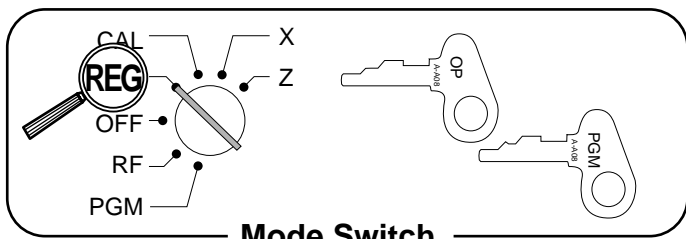
Check

| OPERATION | | RECEIPT |

Item	Unit price	$10.00
	Quantity	1
	Dept.	1
	Taxable	(1)preset
Payment	Check	$20.00

OPERATION:
`1` `0` `00` `49/73 25 + 1`
`SUB TOTAL`
`2` `0` `00` `CHK`

RECEIPT:
```
05-11-2000   11:05
REG               000019

DEPT01      ⅂    $10.00
TA1              $10.00
TX1               $0.50
TL              $10.50
CHK              $20.00
CG                $9.50
```

Charge

| OPERATION | | RECEIPT |

Item	Unit price	$15.00
	Quantity	1
	Dept.	4
	Taxable	(2)preset
Reference	Number	0123
Payment	Charge	$16.50

OPERATION:
`1` `5` `00` `52/76 28 ÷ 4`
`SUB TOTAL`
`0` `1` `2` `3` `#/NS`
`CH`

RECEIPT:
```
05-11-2000   11:10
REG               000020

DEPT04      ⅃    $15.00
#/NS               0123      — Reference No.
TA2              $15.00
TX2               $1.50
CH              $16.50
```

Mixed tender (cash, charge and check)

| OPERATION | | RECEIPT |

Item	Unit price	$55.00
	Quantity	1
	Dept.	4
	Taxable	(2)preset
Payment	Check	$30.00
	Cash	$3.00
	Charge	$27.50

OPERATION:
`5` `5` `00` `52/76 28 ÷ 4`
`SUB TOTAL`
`3` `0` `00` `CHK`
`3` `00` `CA/AMT =/TEND`
`CH`

RECEIPT:
```
05-11-2000   11:15
REG               000021

DEPT04      ⅃    $55.00
TA2              $55.00
TX2               $5.50
TL              $60.50
CHK              $30.00
CA                $3.00
CH               $27.50
```

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.

Mode Switch

OPERATION		**RECEIPT**

Item 1	Unit price	$2.35	
	Quantity	1	
	Dept.	1	
	Taxable	(1)preset	
Item 2	Unit price	$2.00	
	Quantity	1	
	Dept.	2	
	Taxable	(2)preset	
Item 3	Unit price	($1.20)preset	
	Quantity	1	
	PLU	1	
	Taxable	(2)preset	
Returned Item 1	Unit price	$2.35	
	Quantity	1	
	Dept.	1	
	Taxable	(1)preset	
Returned Item 3	Unit price	($1.20)preset	
	Quantity	1	
	PLU	1	
	Taxable	(2)preset	
Payment	Cash	$2.20	

OPERATION

2 3 5 [49/73 25 +1]
2 00 [50/74 26 −2]
1 [PLU/S.DEPT]
[RF]
2 3 5 [49/73 25 +1]

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

[RF]
1 [PLU/S.DEPT]

You have to press [RF] before registering each returned item.

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

RECEIPT

```
05-11-2000    11:20
REG                000022

DEPT01        T1    $2.35
DEPT02        T2    $2.00
PLU001        T2    $1.20
RF        ............
DEPT01        T1    -2.35
RF        ............
PLU001        T2    -1.20
TA2                $2.00
TX2                $0.20
CA               $2.20
```

Basic Operations and Setups

Registering returned goods in the RF mode

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

Mode Switch
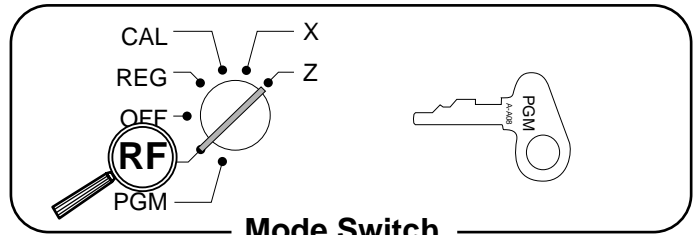
Normal refund transaction

OPERATION   **RECEIPT**

	Unit price	$1.50
Returned Item 1	Quantity	2
	Dept.	1
	Taxable	1
Returned Item 2	Unit price	($1.20)preset
	Quantity	6
	PLU	2
	Taxable	1
Payment	Cash	$11.07

```
05-11-2000   11:25
RF                000023      — RF mode symbol

DEPT01        Tı     $1.50
DEPT01        Tı     $1.50
      6  X       @1.20
PLU002        T₂     $7.20
TA1                  $3.00
TX1                  $0.15
TA2                  $7.20
TX2                  $0.72
CA             $11.07
```

Reduction of amounts paid on refund

OPERATION   **RECEIPT**

	Unit price	$4.00
Returned Item 1	Quantity	1
	Dept.	3
Reduction	Amount	$0.15
Returned Item 2	Unit price	($1.20)preset
	Quantity	1
	PLU	2
Discount	Rate	(5%)preset
Payment	Cash	$5.30

```
05-11-2000   11:30
RF                000024

DEPT03        Tı     $4.00
–                   -0.15
PLU002        T₂     $1.20
     5%
%             T₂     -0.06
TA1                  $4.00
TX1                  $0.20
TA2                  $1.14
TX2                  $0.11
CA             $5.30
```

Important!

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

Registering money received on account

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

Mode Switch
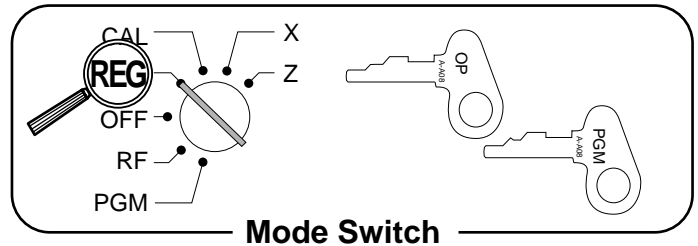
OPERATION   **RECEIPT**

Received amount	$700.00

`7` `00` `00` `RC/T/S1`

Amount can be up to 8 digits.

```
05-11-2000  11:35
REG              000025

RC          $700.00
```

Registering money paid out

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

Mode Switch
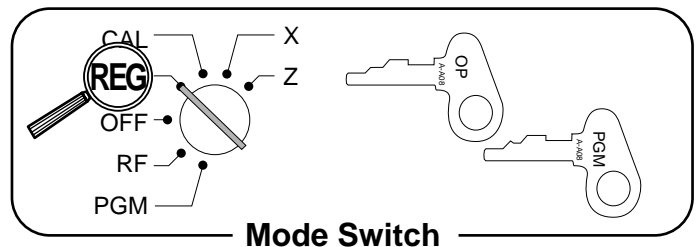
OPERATION   **RECEIPT**

Paid out amount	$1.50

`1` `5` `0` `PD/T/S2`

Amount can be up to 8 digits.

```
05-11-2000  11:40
REG              000026

PD            $1.50
```

Basic Operations and Setups

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Making corrections in a registration

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.
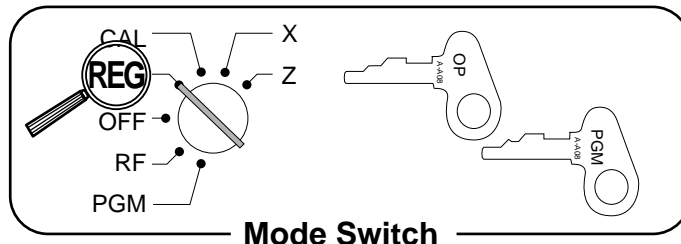
Mode Switch

To correct an item you input but not yet registered

OPERATION	RECEIPT

2 00
C C/AC — Correction of unit price
1 00 49/73 +25 1

1 2 X/DATE TIME
C C/AC — Correction of quantity
1 1 X/DATE TIME
2 00 50/74 -26 2

2
C C/AC — Correction of PLU No.
3 PLU/S.DEPT

1 5 PLU/S.DEPT
6 00
C C/AC — Correction of subdepartment unit price (See page 67 for registering)
1 5 PLU/S.DEPT
Enter subdepartment No. again.
1 0 00 PRICE
SUB TOTAL

1 0 00
C C/AC — Correction of partial tender amount
1 5 00 CA/AMT =/TEND
CH

```
05-11-2000  11:45
REG              000027

DEPT01       ┐      $1.00
     11  X       @2.00
DEPT02       ┐     $22.00
PLU003       ┐      $1.30
PLU015       ┐     $10.00
TA1               $12.30
TX1                $0.62
TA2               $22.00
TX2                $2.20
TL               $37.12
CA                $15.00
CH                $22.12
```

To correct an item you input and registered

OPERATION	RECEIPT

OPERATION

`1` `00` `49/73 + 25 1`
`2` `00` `50/74 - 26 2`
`50/74 - 26 2`
`ERR CORR. CANCEL` } — Clearance

`2` `PLU/ S.DEPT`
`ERR CORR. CANCEL` } — Correction of PLU No.
`5` `PLU/ S.DEPT`

`1` `5` `PLU/ S.DEPT`
`6` `00` `PRICE`
`ERR CORR. CANCEL` } — Correction of sub-department unit price
`1` `5` `PLU/ S.DEPT`
`1` `0` `00` `PRICE`

`8` `X / FOR /DATE TIME`
`4` `00` `52/76 ÷ 28 4`
`ERR CORR. CANCEL` } — Correction of quantity
`6` `X / FOR /DATE TIME`
`4` `00` `52/76 ÷ 28 4`

`MD/ /ST`
`5` `0` `%`
`ERR CORR. CANCEL` } — Correction of discount
`MD/ /ST`
`5` `%`

`RF` `2` `00` `50/74 - 26 2`
`ERR CORR. CANCEL` } — Correction of refund item
`RF` `2` `2` `0` `50/74 - 26 2`

`SUB TOTAL`
`3` `0` `00` `CA/AMT =/TEND`
`ERR CORR. CANCEL` } — Correction of partial tender
`1` `5` `00` `CA/AMT =/TEND`
`CH`

RECEIPT

```
05-11-2000   11:50
REG                 000028

DEPT01        ⅂₁    $1.00
DEPT02        ⅂₂    $2.00
DEPT02        ⅂₂    $2.00
CORR                -2.00
PLU002        ⅂₂    $1.20
CORR                -1.20
PLU005        ⅂₁    $1.50
PLU015        ⅂₁    $6.00
CORR                -6.00
PLU015        ⅂₁   $10.00
        8   X        @4.00
DEPT04        ⅂₂   $32.00
CORR               -32.00
        6   X        @4.00
DEPT04        ⅂₂   $24.00
ST                 $38.50
    50%
%             *    -19.25
CORR               $19.25
ST                 $38.50
     5%
%             *     -1.93
RF          ............
DEPT02        ⅂₂    -2.00
CORR                $2.00
RF          ............
DEPT02        ⅂₂    -2.20
TA1                $11.87
TX1                 $0.59
TA2                $22.50
TX2                 $2.25
TL                $37.21
CA                 $30.00
CORR               -30.00
CA                 $15.00
CH                 $22.21
```

To cancel all items in a transaction

OPERATION	RECEIPT

```
1 00 [49/73 25 +1]
2 00 [50/74 26 -2]
3 00 [51/75 27 ×3]
4 00 [52/76 28 ÷4]
[MD/ST]
```

Pressing [MD/ST] key is necessary to cancel the transaction.

```
[ERR CORR. CANCEL]
```

```
05-11-2000   11:55
REG                000029

DEPT01        ┑      $1.00
DEPT02        ┗      $2.00
DEPT03        ┑      $3.00
DEPT04        ┗      $4.00
ST                  $10.00
CANCEL        ............
```

Important!

- Note that the number of items included in the transaction to be cancelled is limited (25 ~ 49 items), depending on the complexity of the transaction. If you try to cancel a transaction that exceeds the limit, an error occurs (E027).

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

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

No sale registration

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

```
CAL        X
REG        Z
OFF
RF
PGM
        Mode Switch
```

OPERATION	RECEIPT

```
[#/NS]
```
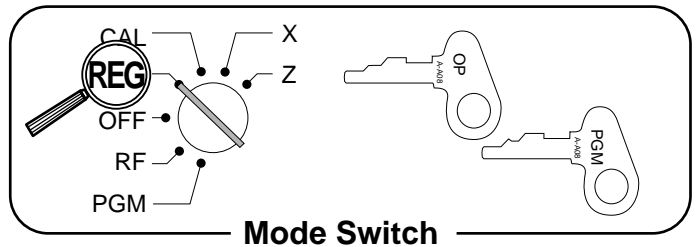
```
05-11-2000   12:00
REG                000030

#/NS          ............
```

Printing the daily sales reset report

This report shows daily sales totals.

OPERATION	REPORT

Mode Switch

CAL — X
REG — Z
OFF —
RF —
PGM —

PGM

CA/AMT = /TEND
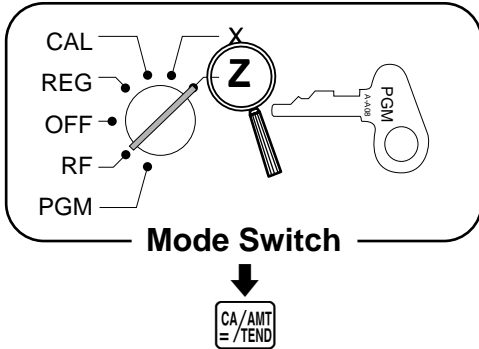
```
05-11-2000   12:05              ──  Date/time
   Z              000031        ──  Reset mode/consecutive No.

0000 DAILY      Z 0001          ──  Report code/report title/reset symbol/
                                    reset counter
DEPT01      QT        15         ──  Department No./No. of items *1
                 $339.50         ──  Department amount *1
DEPT02      QT        19
                  $62.70
DEPT03      QT        31
                 $139.10
DEPT04      QT        23
                 $332.67
NON-LINK_DEPT QT      10         ──  Non-link department No. of items
                  $94.90         ──  Non-link department amount
──────────────────────────
GRS         QT       253         ──  Gross No. of items
                $1146.90         ──  Gross sales amount
NET         No       100         ──  No. of customers
                $1217.63         ──  Net sales amount
CAID            $903.06         ──  Cash in drawer amount
CHID            $197.17         ──  Charge in drawer amount
CKID            $183.60         ──  Check in drawer amount
TA1             $732.56         ──  Taxable amount 1 *2
TX1              $43.96         ──  Tax amount 1 *2
TA2             $409.72         ──  Taxable amount 2 *2
TX2              $21.55         ──  Tax amount 2 *2
TA3             $272.50         ──  Taxable amount 3 *2
TX3               $8.18         ──  Tax amount 3 *2
CANCEL      No         2         ──  Cancellation count
                 $108.52         ──  Cancellation amount
RF MODE     No         2         ──  Refund mode operation count *3
                   $3.74         ──  Refund mode operation amount *3
──────────────────────────
CA          No        81         ──  Cash sales count *1
                 $836.86         ──  Cash sales amount *1
CH          No        10         ──  Charge sales count *1
                 $197.17         ──  Charge sales amount *1
CHK         No         9         ──  Check sales count *1
                 $183.60         ──  Check sales amount *1
-           No         8         ──  Subtraction count *1
                   $3.00         ──  Subtraction amount *1
%           No        10         ──  Discount count *1
                   $4.62         ──  Discount amount *1
RF          No         7         ──  Refund key count *1 *3
                  $27.79         ──  Refund key amount *1 *3
CORR        No        10         ──  Error correction count *1
                  $12.76         ──  Error correction amount
#/NS        No         5         ──  No sale count *1
RC          No         2         ──  Received on Account count *1
                  $78.00         ──  Received on Account amount *1
PD          No         1         ──  Paid out count *1
                   $6.80         ──  Paid out amount *1
──────────────────────────
GT      $0000001217.63          ──  Non-resettable grand-sales total
```

*1 Zero totalled departments/transaction keys (the amount and item numbers are both zero) are not printed.
*2 Taxable amount and tax amount are printed only the corresponding tax table is programmed.
*3 These items can be skipped by programming.

Basic Operations and Setups

Convenient Operations and Setups

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

> ## Clerk control function,
> ## Post-finalization receipt format,
> ## General printing control,
> ## Compulsory,
> ## Machine features

About the clerk control function

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

Mode Switch
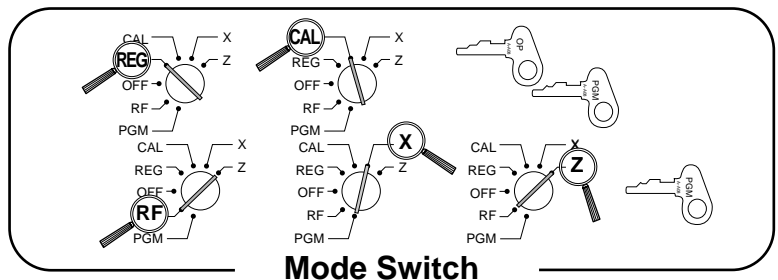
Clerk sign on

	OPERATION	**RECEIPT**

Signing clerk 1 on: **1** ➡ OPEN/CLK#

Signing clerk 2 on: **2** ➡ OPEN/CLK#

.
.
.

Signing clerk 25 on: **2** **5** ➡ OPEN/CLK#

```
05-11-2000  12:10
REG     C-01        000123  — Mode/clerk name/consecutive No.

DEPT01              $1.00
DEPT02              $2.00
        5  X      $1.00
DEPT03              $3.00
```

Clerk sign off

OPERATION

Signing clerk off: **0** ➡ OPEN/CLK#

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

Important!

- Once you select the clerk control function (page 51), the error code "E08" appears on the display whenever you try to perform a registration, a read/reset operation without signing on.
- You can choose either the clerk key function or the open key function.
- The signed on clerk is also identified on the receipt/journal.

About post-finalization receipt

You can issue a receipt even if the cash register is not in the receipt mode.
The post -finalization receipt lets you issue a receipt after finalization of the transaction.
Note that all of the following conditions must be satisfied.
• The option "print receipts" is selected.
• The receipt issuance status must be OFF.
• The transaction must be finalized in the REG or RF mode using the $\boxed{\text{CA/AMT =/TEND}}$, $\boxed{\text{CH}}$ or $\boxed{\text{CHK}}$ key.

Post-finalization receipt example

You can program the cash register to print the
transaction total only (below Total format) or full details
(below Detailed format) on the post-finalization receipt.
Note that if the transaction contains more than 45 lines
(including receipt header), the cash register prints in a
Total format regardless of your programming.

Mode Switch
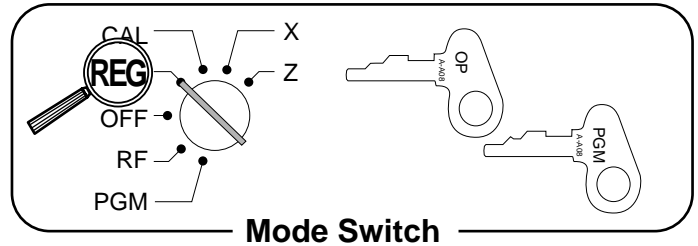
	OPERATION	RECEIPT

Item 1	Unit price	$10.00
	Quantity	1
	Dept.	1
	Taxable	1
Item 2	Unit price	$20.00
	Quantity	1
	Dept.	2
	Taxable	2
Payment	Cash	$32.50

OPERATION

1 0 00 $\boxed{\substack{49/73\\25\\+\ 1}}$
2 0 00 $\boxed{\substack{50/74\\26\\-\ 2}}$
$\boxed{\text{SUB TOTAL}}$
3 2 5 0 $\boxed{\text{CA/AMT =/TEND}}$ Receipt is not issued.
$\boxed{\text{POST RECEIPT /EXCHG}}$ Post-finalization receipt is issued.
If "Automatic issue" is selected, no need to press $\boxed{\text{POST RECEIPT /EXCHG}}$ key.

Total format

```
05-11-2000   12:35
REG                 000123

CA              $32.50
```

Detailed format

```
05-11-2000   12:35
REG                 000123

DEPT01      1     $10.00
DEPT02      2     $20.00
TA1               $10.00
TX1                $0.50
TA2               $20.00
TX2                $2.00
TL              $32.50
CA              $32.50
CG               $0.00
```

Important!

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

Convenient Operations and Setups

Programming general printing control

Suppress printing of the subtotal line during tender operation.		No = 0 Yes = 1	□ D_8
Print the current time.	a	Yes = 0 No = 1	□ (a+b+c) D_7
Skip the date on journal.	b	Yes = 0 No = 2	
Skip the consecutive number.	c	Yes = 0 No = 4	
Print receipt/Print journal.	a	Receipt = 0 Journal = 1	□ (a+b+c) D_6
Issue post receipt by Finalize key (automatic issue)/ Post receipt key (manual issue)	b	Manual = 0 Automatic = 2	
Detail format/Total format in the post receipt	c	Detail = 0 Total = 4	
Print taxable amount.	a	Yes = 0 No = 1	□ (a+b+c) D_5
Print tax symbols.	b	Yes = 0 No = 2	
Print number of item sold.	c	No = 0 Yes = 4	
Skip item lines on journal. (JOURNAL SKIP)	a	No = 0 Yes = 1	□ (a+b) D_4
Print subtotal when the key is pressed.	b	No = 0 Yes = 2	
Digit delimiter symbol.	a	Period = 0 Comma = 1	□ (a+b) D_3
Decimal symbol.	b	Period = 0 Comma = 2	
Print hyphens before finalizing a transaction.	a	No = 0 Yes = 1	□ (a+b) D_2
Print logo message on receipt.	b	No = 0 Yes = 4	
Print commercial message on receipt.		No = 0 Yes = 2	□ D_1

→ 3 [SUB TOTAL] → 0 5 2 2 [SUB TOTAL] →

□ □ □ □ □ □ □ □ [CA/AMT =/TEND] → [SUB TOTAL]

D_8 D_7 D_6 D_5 D_4 D_3 D_2 D_1
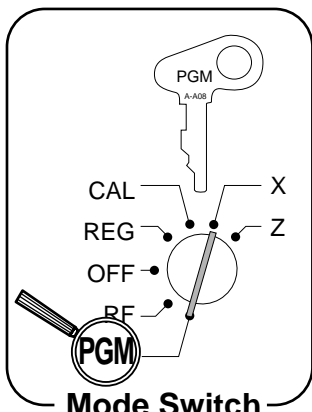
Mode Switch
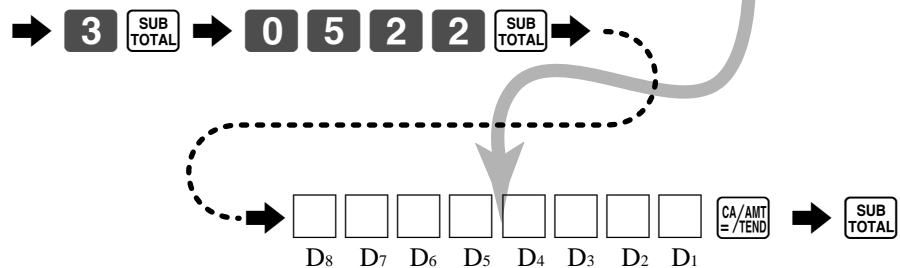
Note: After machine initilaization, D_2 is set to "4" (Print logo message).

Programming compulsory and clerk control function

Force $\boxed{\text{SUB TOTAL}}$ operation before finalization.	a	No = 0 Yes = 2	☐ (a+b) D_8
Force a money declaration before allowing a daily read/reset and financial read operation.	b	No = 0 Yes = 4	
Always "0"			**0** D_7
Always "0"			**0** D_6
Always "0"			**0** D_5
Clear the key buffer when a receipt is issued. (Effective only in REG mode)	a	No = 0 Yes = 1	☐ (a+b) D_4
Perform auto sign-off when a receipt/report is issued. This is only effective the clerk code system is selected.	b	No = 0 Yes = 2	
Display "seconds" during time display.		No = 0 Yes = 2	☐ D_3
Reset the consecutive number when the daily reset report is issued.	a	Yes = 0 No = 1	☐ (a+b) D_2
Prohibit cancel operation.	b	No = 0 Yes = 2	
Assign $\boxed{00}$ as "00" or "000"	a	"00" = 0 "000" = 1	☐ (a+b) D_1
*Assign $\boxed{\text{OPEN/CLK\#}}$ as "OPEN" or "CLK#" (clerk code system)	b	"OPEN" = 0 "CLK#" = 4	

* In case of changing "CLK#" to "OPEN", issue all (daily, periodic-1 and periodic-2) reset report.

Mode Switch

$\boxed{3}$ $\boxed{\text{SUB TOTAL}}$ → $\boxed{0}$ $\boxed{6}$ $\boxed{2}$ $\boxed{2}$ $\boxed{\text{SUB TOTAL}}$ →

→ ☐ $\boxed{0}$ $\boxed{0}$ $\boxed{0}$ ☐ ☐ ☐ ☐ $\boxed{\text{CA/AMT =TEND}}$ → $\boxed{\text{SUB TOTAL}}$

D_8 D_7 D_6 D_5 D_4 D_3 D_2 D_1
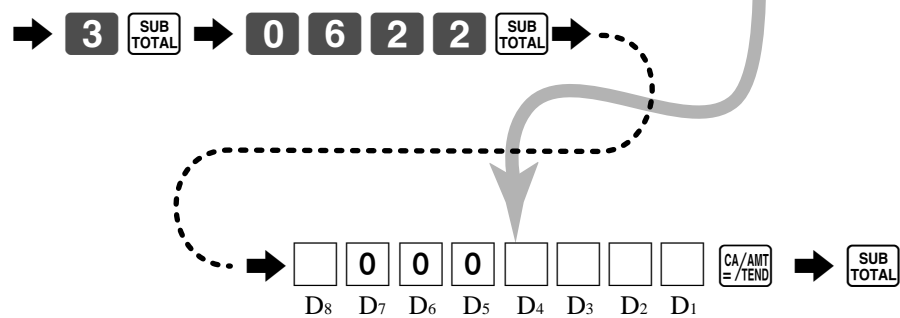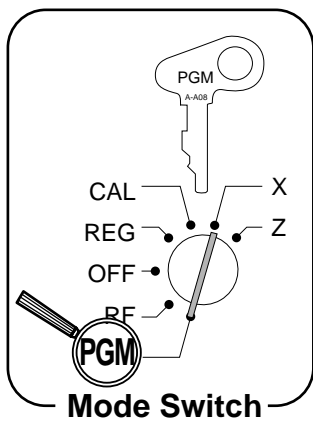
Programming read/reset report printing control

Print the first and the last consecutive number of the day (consecutive No. range) on the daily sales reset report.		Yes = 4 No = 0	D_6
Skip zero total lines on department and transaction read/reset report.	a	Yes = 0 No = 1	(a+b+c) D_5
Skip zero total lines on PLU read/reset report.	b	Yes = 0 No = 2	
Skip zero total lines on hourly sales report.	c	Yes = 0 No = 4	
Print the sales ratio on read/reset report.	a	No = 0 Yes = 1	(a+b) D_4
Suppress printing of the non-resettable grand total on the daily reset report.	b	No = 0 Yes = 2	
Suppress printing of RF mode/RF key total and count on the read/reset report.		No = 0 Yes = 1	D_3
Always "0"			0 0 D_2 D_1

Mode Switch

3 [SUB TOTAL] → 0 8 2 2 [SUB TOTAL] →

→ ☐ ☐ ☐ ☐ 0 0 [CA/AMT =/TEND] → [SUB TOTAL]

D_6 D_5 D_4 D_3 D_2 D_1
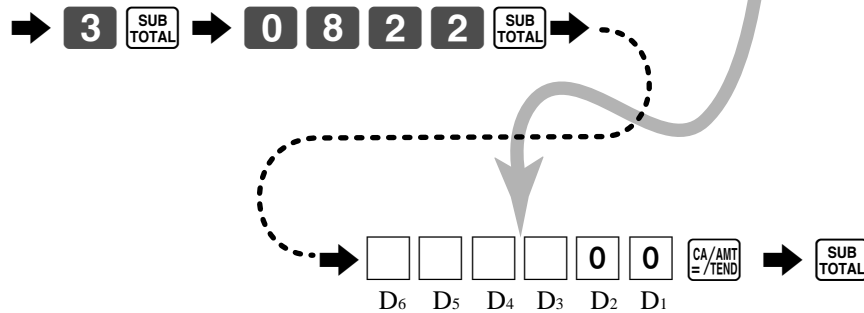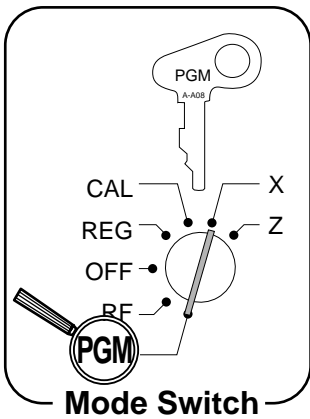
Setting a store/machine number

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

Mode Switch

3 [SUB TOTAL] → 0 2 2 2 [SUB TOTAL] → ☐ ☐ ☐ ☐ [CA/AMT =/TEND] → [SUB TOTAL]

D_4 D_3 D_2 D_1
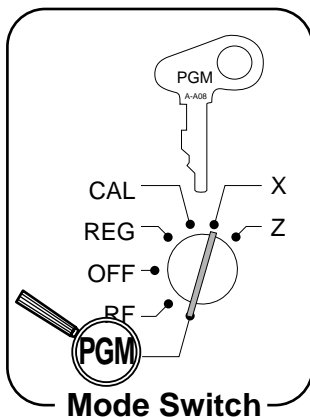
```
05-11-2000  12:34   0001  —— Date/time/machine No.
REG    C01       000123

DEPT01            $1.00
DEPT02            $2.00
               @1.00
DEPT03            *5.00
```

Programming to clerk

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

Important!

This program is required only when the ⃞ key is assigned as "CLK#" by the general function programming (code = 0622) on page 51.

Programming clerk number
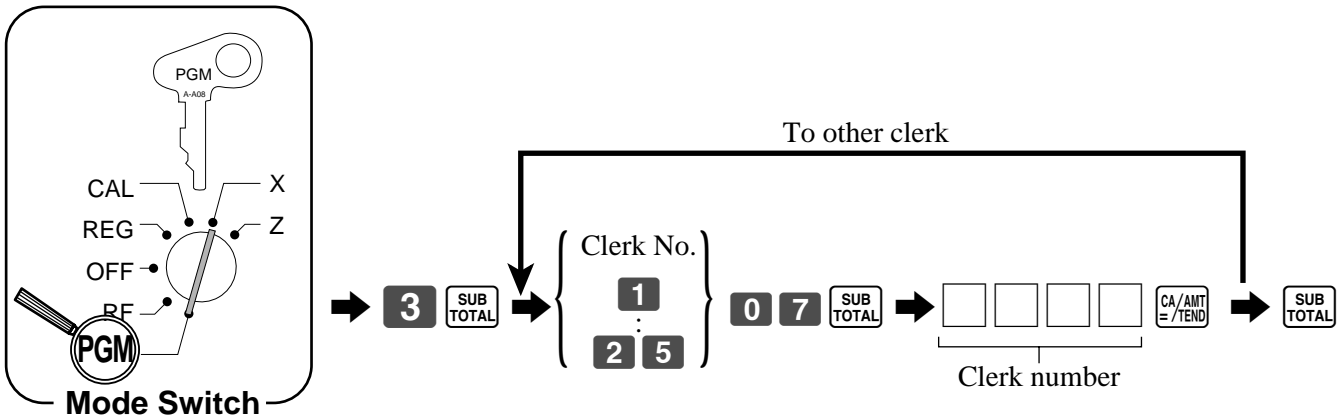
Programming trainee status of clerk
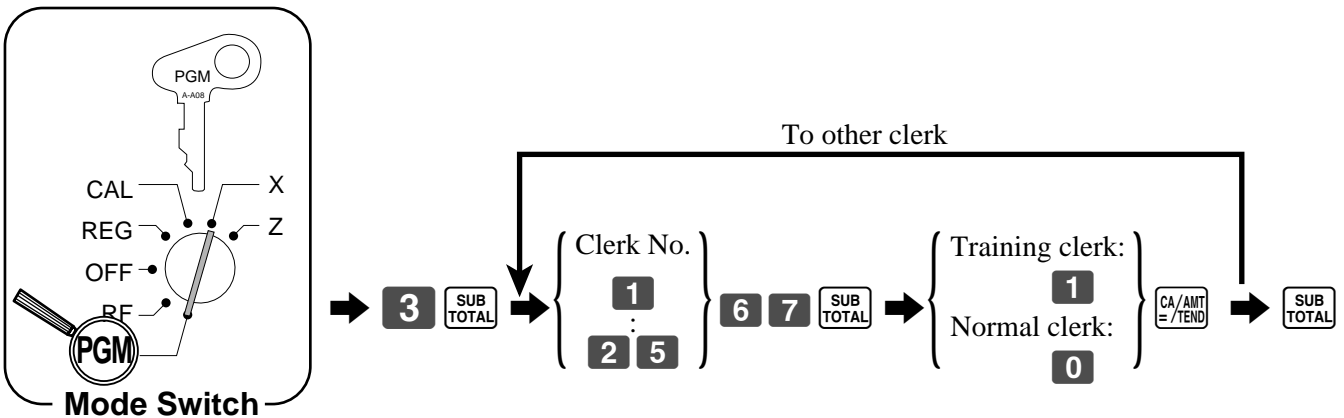
When a training clerk signs on, the cash register automatically enters the training mode.
In the training mode, no operations are affected on any totalizers nor counters.
The training mode symbols are printed in the columns of receipt entries produced in the training mode.
The cash register exits the training mode when the training clerk signs off.

Programming descriptors and messages

The following descriptors and messages can be programmed;
- Report descriptor (such as gross total, net total, cash in drawer…)
- Grand total
- Special character (such as mode symbol, taxable symbol…)
- Read/reset report title
- Clerk name
- PLU item descriptor
- Messages (logo and commercial message)
- Function key descriptor
- Department key descriptor

Programming report descriptor, grand total, special character, report title, receipt message and clerk name
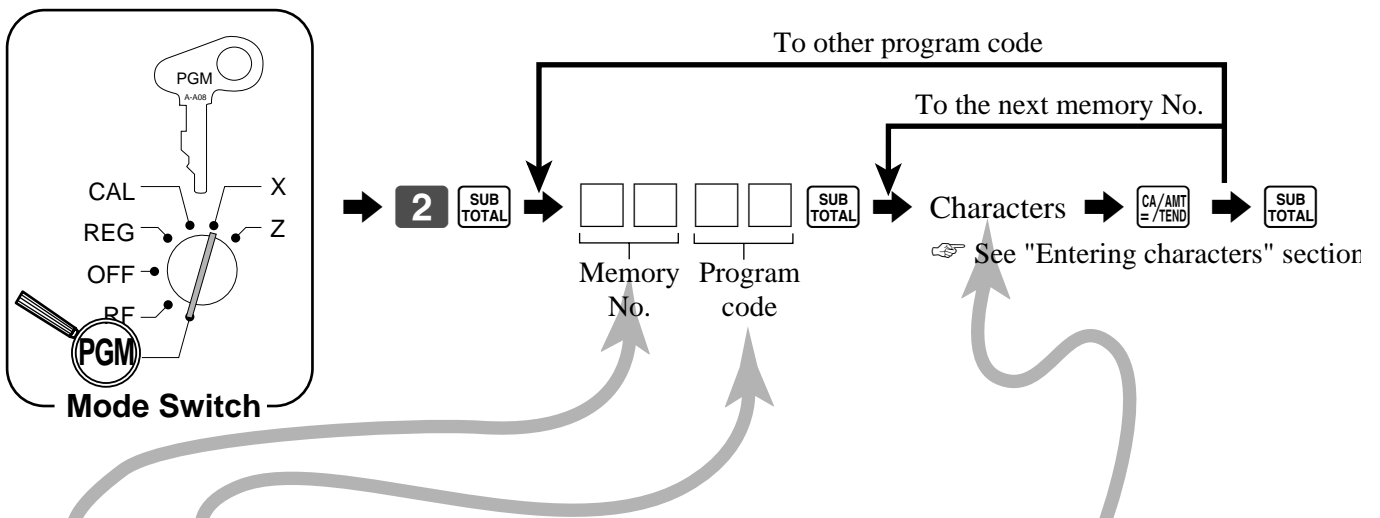
Memory No.	Program code	Contents	Initial character	Yours
Report descriptor				
01		Gross total	GROSS	
02		Net total	NET	
03		Cash in drawer	CAID	
04		Charge in drawer	CHID	
05		Check in drawer	CKID	
06		Foreign currency cash in drawer	CECA	
07		Foreign currency check in drawer	CECK	
08		Taxable amount 1	TA1	
09	01	Tax 1	TX1	
10		Taxable amount 2	TA2	
11		Tax 2	TX2	
12		Taxable amount 3	TA3	
13		Tax 3	TX3	
14		Cancellation total	CANCEL	
15		Refund mode total	RF MODE	
16		Calculator mode count	CAL	
17		Non-link department total	NON-LINK_DEPT	

Memory No.	Program code	Contents	Initial character	Yours
Grand total				
01	20	Grand total	GT	
Special character				
01	23	Amount/@/No./Quantity (2 ea.)	$ @NoQT	
02		Item count (2)	NoCT	
03		Multiplication/Split pricing (2 ea.)	X /	
04		Taxable status 1 ~ 3 (1 ea.)	ᵀ₁ ᵀ₂ ᵀ₃	
05		All taxable status (1)	*	
06		Foreign currency symbol (2 ea.)	* * * *	
07		Reg mode/Refund mode (4 ea.)	REG RF	
08		Program mode (4)	P n (n= 1 ~ 6)	
09		X/Z mode (4 ea.)	X Z	
11		Training mode	****	
12		Training symbol	TRAINING	
13		Total symbol (Tendering)	TL	
14		Change symbol	CG	
15		Total symbol (Post receipt)	TL	
16		Total symbol (% registration)	ST	
17		not used	SEND PGM	
18		not used	RECV PGM	
19		not used	PGM	
20		not used	END	
21		not used	ERROR	
22		not used	**END**	
24		Total message on report	TOTAL	
Report title				
01	24	Daily report title	DAILY	
02		PLU report title	PLU	
03		Hourly sales report title	HOURLY	
04		Group report title	GROUP	
05		Clerk report title	CLERK	
06		Financial report title	FLASH	
07		Monthly report title	MONTHLY	
08		Periodic-1 report title	PERIODIC-1	
09		Periodic-2 report title	PERIODIC-2	
10		Individual report title		

Convenient Operations and Setups

Memory No.	Program code	Contents	Initial character	Yours
Receipt message				
01		1st line of logo message		
02		2nd line of logo message	YOUR RECEIPT	
03		3rd line of logo message	THANK YOU	
04		4th line of logo message	CALL AGAIN	
05	32	5th line of logo message		
06		1st line of commercial message		
07		2nd line of commercial message		
08		3rd line of commercial message		
09		4th line of commercial message		
10		5th line of commercial message		

Memory No.	Program code	Contents	Initial character	Yours
Clerk				
01		Clerk 01	C01	
02		Clerk 02	C02	
03		Clerk 03	C03	
04		Clerk 04	C04	
05		Clerk 05	C05	
06		Clerk 06	C06	
07		Clerk 07	C07	
08		Clerk 08	C08	
09		Clerk 09	C09	
10		Clerk 10	C10	
11	07	Clerk 11	C11	
12		Clerk 12	C12	
13		Clerk 13	C13	
14		Clerk 14	C14	
15		Clerk 15	C15	
16		Clerk 16	C16	
17		Clerk 17	C17	
18		Clerk 18	C18	
19		Clerk 19	C19	
20		Clerk 20	C20	
21		Clerk 21	C21	
22		Clerk 22	C22	
23		Clerk 23	C23	
24		Clerk 24	C24	
25		Clerk 25	C25	

Programming department key descriptor

To another department

PGM A-A08	
CAL — X	
REG — Z	
OFF	
RF —	
PGM	
Mode Switch	

➡ **2** [SUB TOTAL] ➡ Characters

☞ See "Entering characters" section.

➡

Key	Dept
[49/73 + 25 1]	(Dept. 1)
[50/74 – 26 2]	(Dept. 2)
⋮	
[72/96 48 24]	(Dept. 24)
[DEPT SHIFT] [49/73 + 25 1]	(Dept. 25)
⋮	
[DEPT SHIFT] [72/96 48 24]	(Dept. 48)
⋮	
[DEPT SHIFT] [DEPT SHIFT] [72/96 48 24]	(Dept. 72)
⋮	
[DEPT SHIFT] [DEPT SHIFT] [DEPT SHIFT] [72/96 48 24]	(Dept. 96)

➡ [SUB TOTAL]
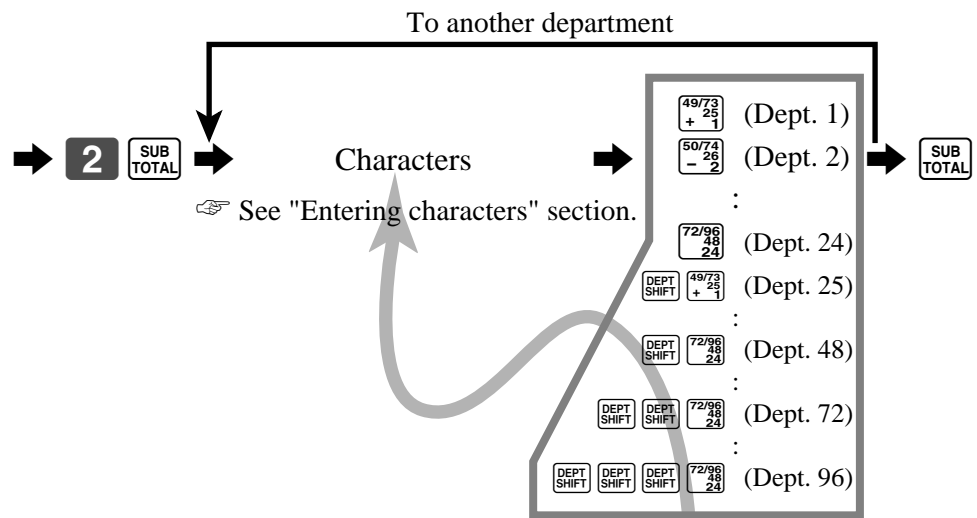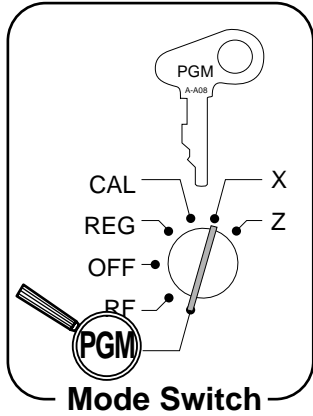
Contents	Initial character	Yours
Department key		
Department 01	DEPT01	
Department 02	DEPT02	
Department 03	DEPT03	
Department 04	DEPT04	
Department 05	DEPT05	
Department 06	DEPT06	
Department 07	DEPT07	
Department 08	DEPT08	
Department 09	DEPT09	
Department 10	DEPT10	
Department 11	DEPT11	
Department 12	DEPT12	
Department 13	DEPT13	
Department 14	DEPT14	
Department 15	DEPT15	
Department 16	DEPT16	
Department 17	DEPT17	
Department 18	DEPT18	
Department 19	DEPT19	
Department 20	DEPT20	
Department 21	DEPT21	
Department 22	DEPT22	
Department 23	DEPT23	
Department 24	DEPT24	
Department 25	DEPT25	
Department 26	DEPT26	
Department 27	DEPT27	
Department 94	DEPT94	
Department 95	DEPT95	
Department 96	DEPT96	

Convenient Operations and Setups

Programming PLU descriptor

To new (not sequential) PLU

To the next PLU

PGM
A-A08

CAL — X
REG — Z
OFF
RF
PGM

Mode Switch

➡ **2** [SUB TOTAL] ➡ PLU No. [PLU/S.DEPT] ➡ Characters [CA/AMT =/TEND] ➡ [SUB TOTAL]

☞ See "Entering characters" section.
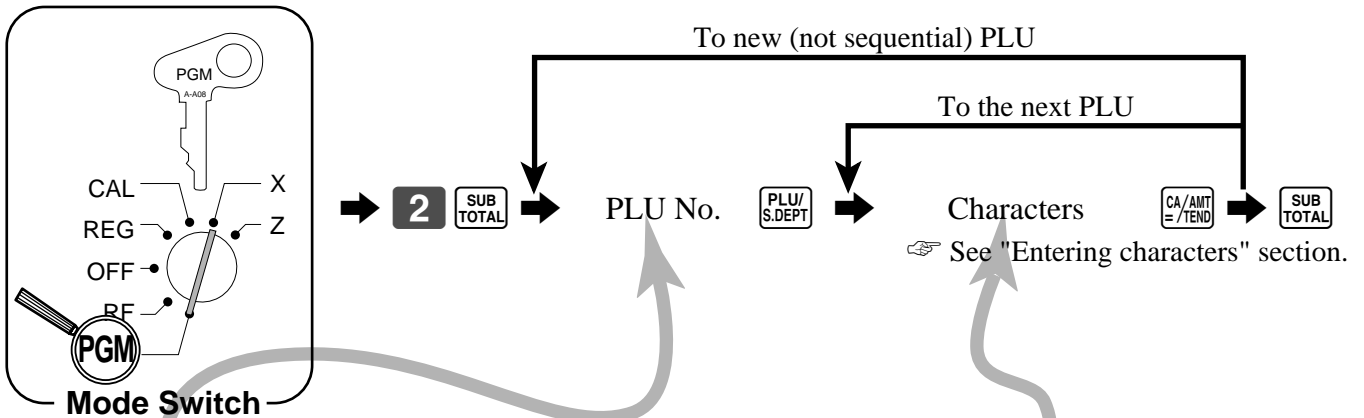
PLU No.	Contents	Initial character	Yours						
PLU									
001	PLU 001	PLU001							
002	PLU 002	PLU002							
003	PLU 003	PLU003							
004	PLU 004	PLU004							
005	PLU 005	PLU005							
006	PLU 006	PLU006							
007	PLU 007	PLU007							
008	PLU 008	PLU008							
009	PLU 009	PLU009							
010	PLU 010	PLU010							
011	PLU 011	PLU011							
012	PLU 012	PLU012							
013	PLU 013	PLU013							
014	PLU 014	PLU014							
015	PLU 015	PLU015							
016	PLU 016	PLU016							
017	PLU 017	PLU017							
018	PLU 018	PLU018							
019	PLU 019	PLU019							
020	PLU 020	PLU020							
021	PLU 021	PLU021							
022	PLU 022	PLU022							
023	PLU 023	PLU023							
024	PLU 024	PLU024							
025	PLU 025	PLU025							
026	PLU 026	PLU026							
027	PLU 027	PLU027							
028	PLU 028	PLU028							
029	PLU 029	PLU029							
598	PLU 598	PLU598							
599	PLU 599	PLU599							
600	PLU 600	PLU600							

Programming function key descriptor

To other function key

Mode Switch

➡ **2** $\boxed{\text{SUB TOTAL}}$ ➡ Characters ➡ $\boxed{\text{Function key}}$ ➡ $\boxed{\text{SUB TOTAL}}$

☞ See "Entering characters" section.
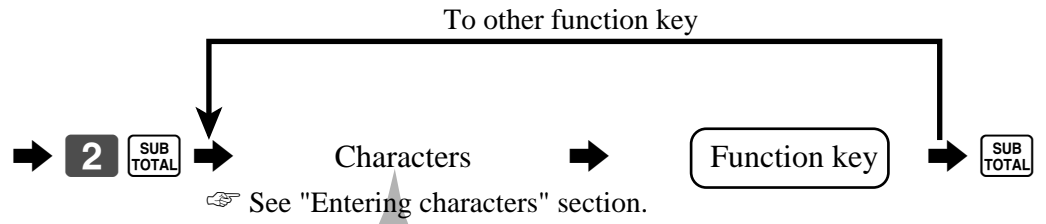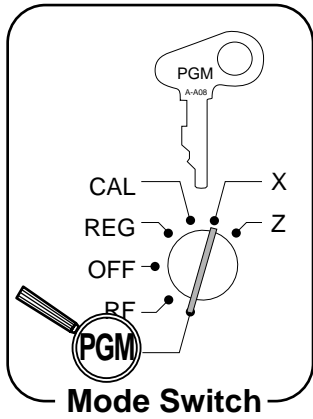
Contents	Initial character	Yours
Function		
Cash/amount tendered	CA	
Charge	CH	
Check	CHK	
Received on account/Tax shift 1	RC	
Paid out/Tax shift 2	PD	
Minus	–	
Percent	%	
Refund	RF	
Error correct/Cancel	CORR	
Post receipt/Currency exchange	CE	
Non-add/No sale	#/NS	

Convenient Operations and Setups

Entering characters

In this section, the method to enter descriptors or messages (characters) to the cash register during programming is described.

Characters are specified by character keyboard or by codes. In the first half of this section, the usage of character keyboard is described. In the latter half, inputting method by character code is described.

Using character keyboard
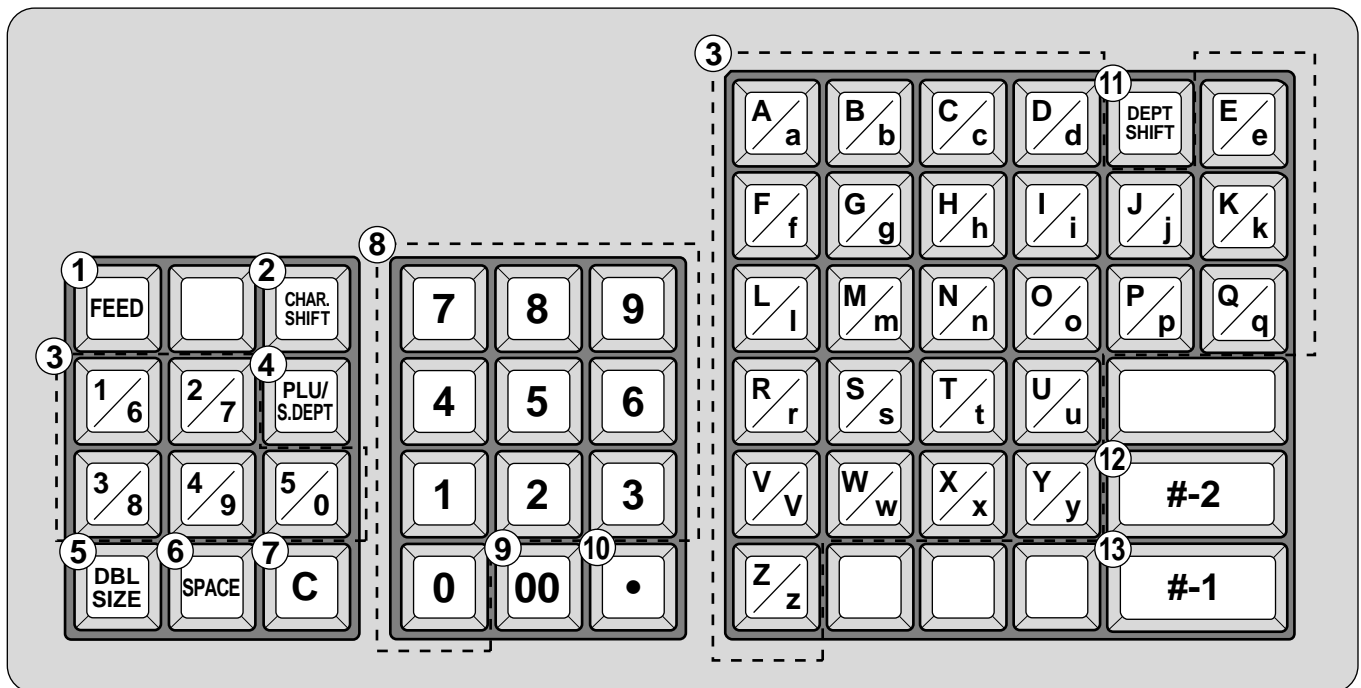
① **Feed key**

Hold this key down to feed paper from the printer.

② **Character shift key**

Pressing this key shifts the character from the uppercase letter to lower case letter and returns to the uppercase letter in sequence.

③ **Alphabet keys**

Used input to characters.

④ **PLU/Subdepartment key**

Use this key to input PLU/Subdeparment numbers.

⑤ **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.

⑥ **Space key**

Set a space by depression.

⑦ **Clear key**

Clears all input characters in the programming.

⑧ **Numeric keys**

Used to enter program codes, memory number and character codes.

⑨ **Character fixed key**

Enter when the alphabetic entry for a descriptor, name or message has been completed.

⑩ **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.

⑪ **Department shift key**

Use this key to shift the department key number from 1 through 24 to 25 through 48, 49 through 72 or 73 through 96.

⑫ **Program end key**

Terminates the character programming.

⑬ **Character enter key**

Registers the programmed characters.

Example:

Input "Apple Juice",

enter "DBL SIZE", "A", "SHIFT", "p", "p", "l", "e", "SPACE", "SHIFT", "J", "SHIFT", "u", "i", "c", "e" `00` .

Entering characters by code

Characters are specified by codes. Every time you enter a character, choose character codes by the character code list (below) and press the [·] key to settle it. After completion of entering characters, press the [00] key to fix them.

Example: Input "Apple Juice", 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	@	64	P	80	£	96	⊨	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	â	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	à	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	ê	136
)	41	9	57	I	73	Y	89	i	105	y	121	ë	137
*	42	:	58	J	74	Z	90	j	106	z	122	è	138
+	43	;	59	K	75	¼	91	k	107	I	123	ï	139
,	44	<	60	L	76	¥	92	l	108	II	124	î	140
−	45	=	61	M	77	⌐	93	m	109	III	125	ì	141
.	46	>	62	N	78	¨	94	n	110	Ib	126	Ä	142
/	47	?	63	O	79	⌶	95	o	111	¹³	127	Å	143

Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code
É	144	å	160	ï	176	Ā	192	ķ	208	Å	224	Γ	240
æ	145	í	161	÷	177	Č	193	l	209	Ė	225	Û	241
Æ	146	ó	162	ì	178	Ē	194	η	210	ḷ	226	Ո	242
ô	147	ú	163	í	179	Ğ	195	š	211	ò	227	Π	243
ö	148	ñ	164	à	180	Ī	196	ū	212	ŏ	228	Ξ	244
ò	149	Ñ	165	å	181	Ķ	197	ż	213	ú	229	Σ	245
û	150	b	166	à	182	Ļ	198	Ă	214	ô	230	Φ	246
ù	151	ê	167	ō	183	Ņ	199	Ė	215	å	231	Ψ	247
ÿ	152	¿	168	ō	184	Š	200	Ė	216	é	232	Ω	248
Ö	153	Ë	169	ő	185	Ō	201	Ī	217	i	233	θ	249
Ü	154	È	170	ò	186	Ż	202	Ų	218	ó	234	°	250
ø	155	½	171	ú	187	ă	203	q	219	ŏ	235	∷	251
¹	156	¾	172	û	188	č	204	ę	220	ů	236		252
²	157	¡	173	ù	189	ē	205	ė	221	ù	237		253
³	158	÷	174	"	190	ʒ	206	į	222	((	238		254
⁴	159	÷	175	_	191	ī	207	ų	223	))	239	Double size	255

Department key feature programming

There are two different methods you can use to assign features to department keys. With "Batch feature programming", you can use a single operation to assign multiple features.
"Individual feature programming", on the other hand, let you assign features one-by-one. This method is recommended for programming of special features to individual department keys.

Batch feature programming

When using this procedure to assign multiple features to departments, use 9-digit codes that you create using the following procedure.

Negative department	No = 0 Yes = 2	D_9
Single item sale	No = 0 Yes = 1	D_8
High digit limit specification	Significant number	D_7
Taxable status 1	a	No = 0 Yes = 1
Taxable status 2	b	No = 0 Yes = 2
Taxable status 3	c	No = 0 Yes = 4
Always "000"		0 0 0 D_5 D_4 D_3
Group link (00 ~ 50)	Significant number	D_2 D_1
	Significant number	

For Taxable status rows the combined entry is (a+b+c) D_6.

Note: If you require tax table 3, please refer to page 39.

Individual feature programming

With this procedure, you can assign individual features to specific departments. Please select the command code of the contents you want to program, and follow the procedure below.
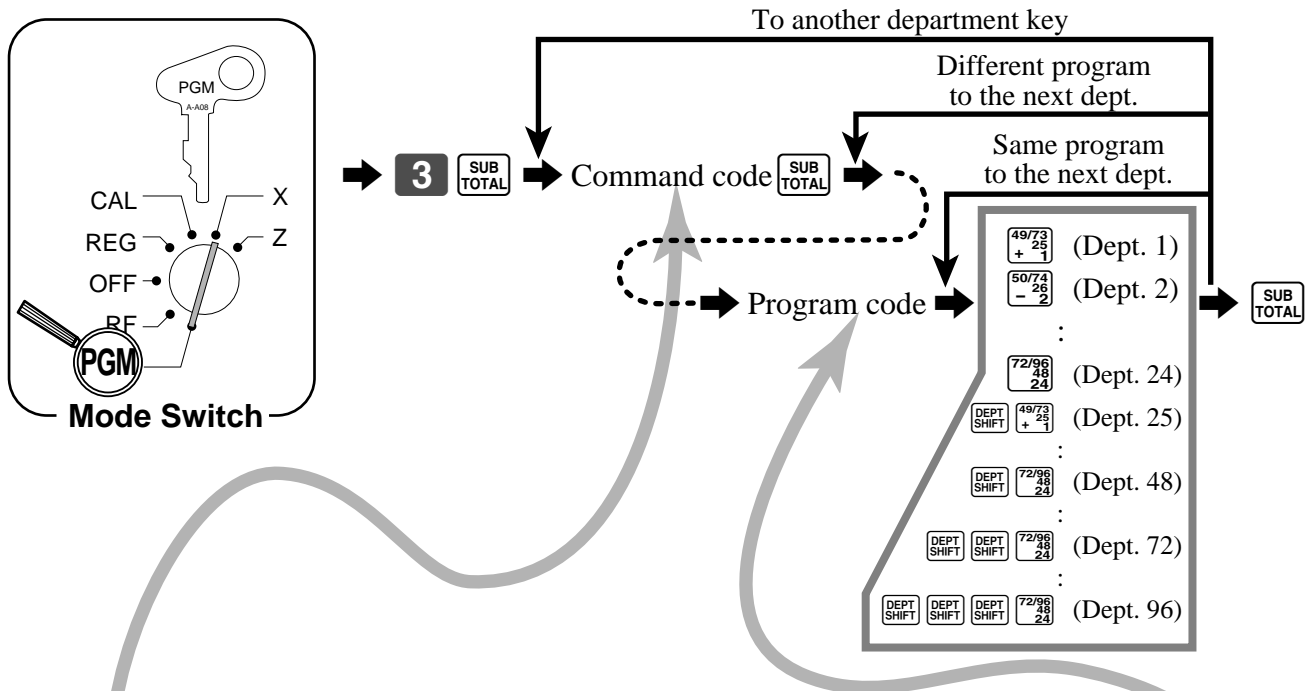
Command code	Contents/selection			Program code
0166	Negative department		No = 0 Yes = 2	☐
1866	Single item sale		No = 0 Yes = 1	☐
1566	High digit limit specification		Significant number	☐
0366	Taxable status 1	a	No = 0 Yes = 1	☐ (a+b+c)
	Taxable status 2	b	No = 0 Yes = 2	
	Taxable status 3	c	No = 0 Yes = 4	
1166	Group link (00 ~ 50)		Significant number	☐☐
			Significant number	

To program a unit price to a department key, please refer to the page 29.

PLU feature programming

There are two different methods you can use to assign features to PLUs. With "Batch feature programming", you can use a single operation to assign multiple features.
"Individual feature programming", on the other hand, let you assign features one-by-one. This method is recommended for programming of special features to individual PLUs.

Batch feature programming

When using this procedure to assign multiple features to PLUs, use 9-digit codes that you create using the following procedure.
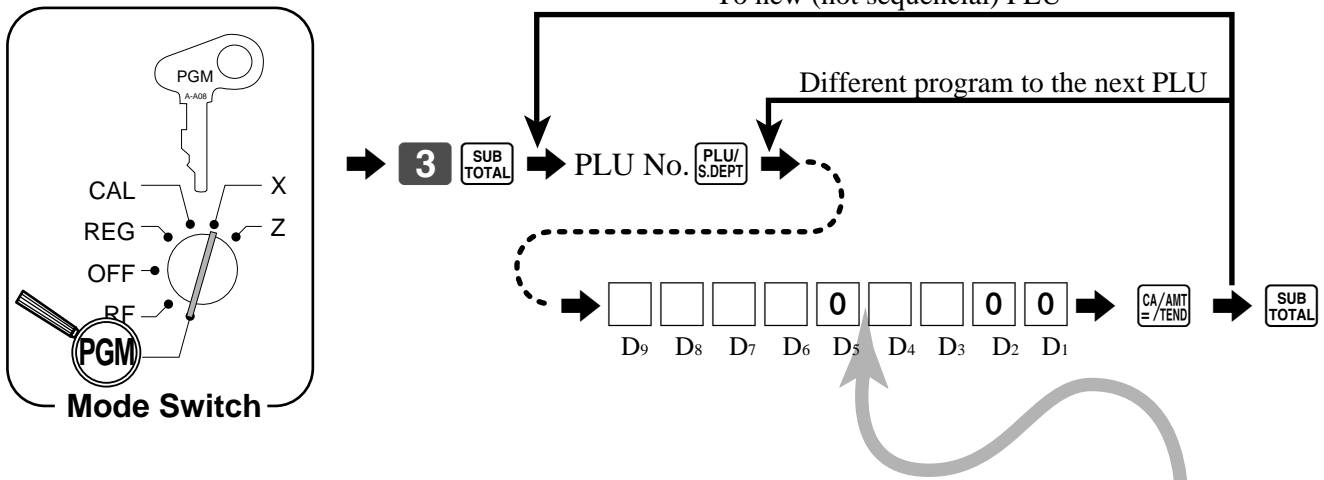
Negative PLU		No = 0 Yes = 2	D_9
Single item sale	a	No = 0 Yes = 1	(a+b) D_8
Treat as subdepartment/PLU.	b	PLU = 0 Subdept. = 4	
High digit limit specification (for subdepartment)		Significant number	D_7
Taxable status 1	a	No = 0 Yes = 1	(a+b+c) D_6
Taxable status 2	b	No = 0 Yes = 2	
Taxable status 3	c	No = 0 Yes = 4	
Always "0"			0 D_5
Department link (00 ~ 96)		Significant number	D_4 D_3
		Significant number	
Always "00"			0 0 D_2 D_1

Note: If you require tax table 3, please refer to page 39.

Individual feature programming

With this procedure, you can assign individual features to specific PLUs. Please select the command code of the contents you want to program, and follow the procedure below.
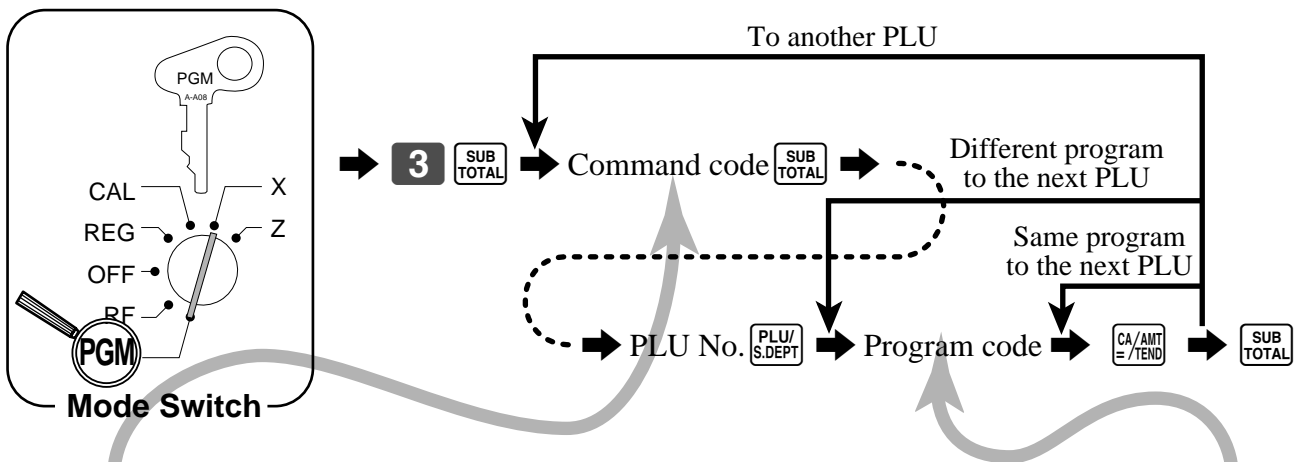
Command code	Contents/selection			Program code
0166	Negative PLU		No = 0 Yes = 2	☐
1866	Single item sale	a	No = 0 Yes = 1	☐ (a+b)
	Treat as subdepartment/PLU.	b	PLU = 0 Subdept. = 4	
1566	High digit limit specification (for subdepartment)		Significant number	☐
0366	Taxable status 1	a	No = 0 Yes = 1	☐ (a+b+c)
	Taxable status 2	b	No = 0 Yes = 2	
	Taxable status 3	c	No = 0 Yes = 4	
1166	Department link (00 ~ 96)		Significant number	☐ ☐ 0 0
			Significant number	

To program a unit price to a PLU or a subdepartment, please refer to the page 31.

Convenient Operations and Setups

Registering example

Mode Switch
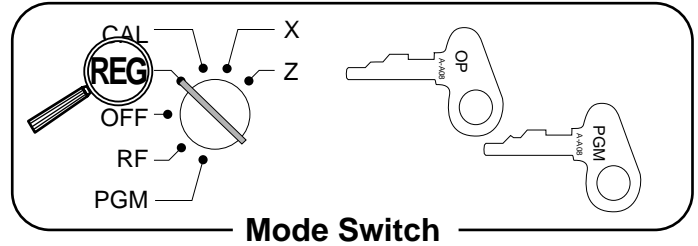
Locking out and releasing high digit limitation

			OPERATION	RECEIPT

Item	Unit price	$10.50
	Quantity	1
	Dept.	3
	Taxable	(1)$_{preset}$
	Max.digit	(3)$_{preset}$
Payment	Cash	$20.00

OPERATION

`1` `0` `5` `0` `51/75 ×27 3`

ERROR ALARM
(Exceeding max. digits)

`C` C/AC

`OPEN/CLK#`

Cancels limitations
for next entry

`1` `0` `5` `0` `51/75 ×27 3`

`SUB TOTAL`

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

RECEIPT

```
05-11-2000   12:40    0001
REG                  000050

DEPT01        ⌐ₗ     $10.50
TA1                  $10.50
TX1                   $0.53
TL                  $11.03
CA                   $20.00
CG                    $8.97
```

Single item sales items

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

Single item

			OPERATION	RECEIPT

Item	Unit price	$2.00
	Quantity	1
	Dept.	4
	Taxable	2
	Sales status	Single item

OPERATION

`2` `00` `52/76 ÷28 4`

RECEIPT

```
05-11-2000   12:45    0001
REG    C01           000051

DEPT04        ↳      $2.00
TA2                  $2.00
TX2                  $0.20
CA                  $2.20
```

Multiple item sale

Item 1	Unit price	$2.00
	Quantity	1
	Dept.	3
	Taxable	2
	Sales status	Normal
Item 2	Unit price	$5.00
	Quantity	1
	Dept.	4
	Taxable	2
	Sales status	Single item
Payment	Cash	$7.70

2 00 [×51/75 27 3]
5 00 [÷52/76 28 4]

Single item status is not effective during transaction.

[CA/AMT =/TEND]

It is necessary to press the finalize key.

```
05-11-2000  12:50    0001
REG    C01          000052

DEPT03       ↳    $2.00
DEPT04       ↳    $5.00
TA2               $7.00
TX2               $0.70
CA               $7.70
```

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

Examples of registering subdepartments

Single item sale

OPERATION   RECEIPT

Item	Unit price	$6.00
	Quantity	1
	Subdept.	15
	Taxable	(1)preset
Payment	Cash	$10.00

1 5 [PLU/ S.DEPT]

PLU (subdepartment) code

6 00 [PRICE]

Unit price

[SUB TOTAL]

1 0 00 [CA/AMT =/TEND]

```
05-11-2000  12:55    0001
REG    C01          000053

PLU015       ↳    $6.00
TA1               $6.00
TX1               $0.30
TL               $6.30
CA               $10.00
CG               $3.70
```

Convenient Operations and Setups

Convenient Operations and Setups

Repeat

OPERATION   **RECEIPT**

Item 1	Unit price	($3.00)$_{preset}$
	Quantity	3
	Subdept.	15
	Taxable	(1)$_{preset}$
Item 2	Unit price	$2.00
	Quantity	2
	Subdept.	15
	Taxable	(1)$_{preset}$
Payment	Cash	$20.00

`1` `5` `PLU/S.DEPT`

`PRICE`

Hit `PRICE` without a unit price recalls preset price.

`PRICE`

`PRICE`

`1` `5` `PLU/S.DEPT`

`2` `00` `PRICE`

`PRICE`

`SUB TOTAL`

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

```
05-11-2000  13:00   0001
REG    C01         000054

PLU015         T₁    $3.00
PLU015         T₁    $3.00
PLU015         T₁    $3.00
PLU015         T₁    $2.00
PLU015         T₁    $2.00
TA1                 $13.00
TX1                  $0.65
TL               $13.65
CA                  $20.00
CG                   $6.35
```

Multiplication

OPERATION   **RECEIPT**

Item	Unit Price	$6.00
	Quantity	1.25
	Subdept.	15
	Taxable	(1)$_{preset}$
Payment	Cash	$10.00

`1` `·` `2` `5` `X/FOR DATE TIME`

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

`1` `5` `PLU/S.DEPT`

`6` `00` `PRICE`

`SUB TOTAL`

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

```
05-11-2000  13:05   0001
REG    C01         000055

   1.25  X      @6.00
PLU015         T₁    $7.50
TA1                  $7.50
TX1                  $0.38
TL                $7.88
CA                  $10.00
CG                   $2.12
```

Split sales of packaged item

OPERATION   **RECEIPT**

Item	Unit Price	12 for $30.00
	Quantity	7
	Subdept.	37
	Taxable	(1)$_{preset}$
Payment	Cash	$20.00

`7` `X/FOR DATE TIME`

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

`1` `2` `X/FOR DATE TIME`

Package quantity
(4-digit integer/2-digit decimal)

`3` `7` `PLU/S.DEPT`

`3` `0` `00` `PRICE`

`SUB TOTAL`

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

```
05-11-2000  13:10   0001
REG    C01         000056

   7  X
       @12 /     30.00
PLU037         T₁   $17.50
TA1                 $17.50
TX1                  $0.88
TL               $18.38
CA                  $20.00
CG                   $1.62
```

Percent key feature programming

You can use the $\boxed{\%}$ key as discount key, premium key or manual tax key. In this section, detail information of $\boxed{\%}$ key is described.

Programming to the $\boxed{\%}$ key

To program a discount/premium rate, please refer to the page 34.
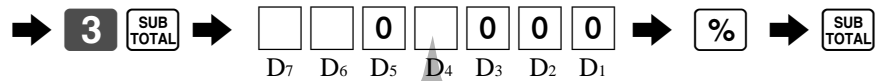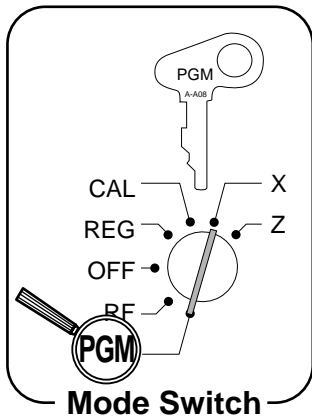
$\boxed{\%}$			
Fraction control, round off = 0, cut off = 1, round up = 2 (only for %-/%+)		Significant number	$\boxed{}$ D₇
Key attribution	a	%- = 0 %+ = 1 M-tax = 4	$\boxed{}$ (a+b) D₆
Prohibit manual entry to override programmed percentage (only for %-/%+)	b	No = 0 Yes = 2	
Always "0"			$\boxed{0}$ D₅
Taxable status 1 (only for %-/%+)	a	No = 0 Yes = 1	
Taxable status 2 (only for %-/%+)	b	No = 0 Yes = 2	$\boxed{}$ (a+b+c) D₄
Taxable status 3 (only for %-/%+)	c	No = 0 Yes = 4	
Always "0"			$\boxed{0}$ D₃
Always "0"			$\boxed{0}$ D₂
Always "0"			$\boxed{0}$ D₁

Note: If you require tax table 3, please refer to page 39.

Convenient Operations and Setups

Registering discounts and premiums

Mode Switch
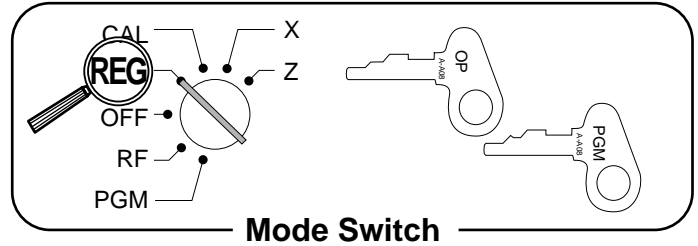
Discount for Items and subtotals

Refer to "Preparing and using discounts" in "Basic Operations and Setups" on page 34.

Premium for Items and subtotals

			OPERATION	RECEIPT

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

OPERATION

`52/76 28 ÷ 4`

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

`3` `2` `PLU/S.DEPT`

`MD/ST`
For this operation, press this key instead of `SUB TOTAL`.

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

`SUB TOTAL`

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

RECEIPT

```
05-11-2000  13:15    0001
REG    C:01        000057

DEPT04       ᒾ    $10.00
     7%
%+                  $0.70
PLU032       ᒾ     $5.00
ST                $15.70
    5%
%+           ᒾᒾ    $0.79
TA2               $16.49
TX2                $1.65
TL             $18.14
CA                $20.00
CG                 $1.86
```

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

Taxable status of the `%` key

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

Registering manual tax

You can program the cash register to change the function of the `%` key to that of a `M-TAX` (manual tax) key. The `M-TAX` key is used to register manually entered tax amounts.
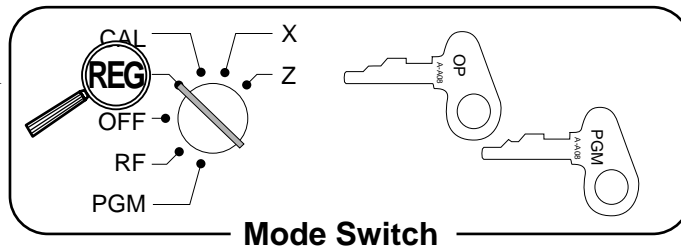
Mode Switch

Important!

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

Also, please set the appropriate key descriptor to the key.

Example

	Unit price	$10.00
	Quantity	1
Item 1	Dept.	1
	Taxable	No
	M-Tax	Normal
	Unit price	$20.00
	Quantity	1
Item 2	Dept.	2
	Taxable	2
Payment	Cash	$33.00

OPERATION

`1` `0` `00` `49/73 + 25/1`
`5` `0` `M-TAX`

`%` key is assigned to `M-TAX` key.

`2` `0` `00` `50/74 − 26/2`
`SUB TOTAL`
`3` `3` `00` `CA/AMT =/TEND`

RECEIPT

```
05-11-2000  13:20   0001
REG    C01        000058

DEPT01            $10.00
M-TAX              $0.50
DEPT02        ↳   $20.00
TA2               $20.00
TX2                $2.00
TL              $32.50
CA                $33.00
CG                 $0.50
```

Currency exchange programming

When the $\boxed{\text{POST RECEIPT/EXCHG}}$ key 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 the $\boxed{\text{SUB TOTAL}}$ key.

Currency exchange rate programming
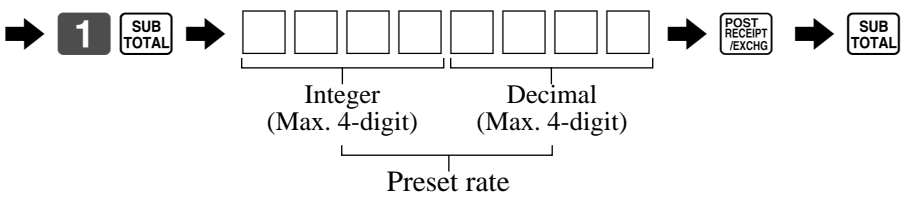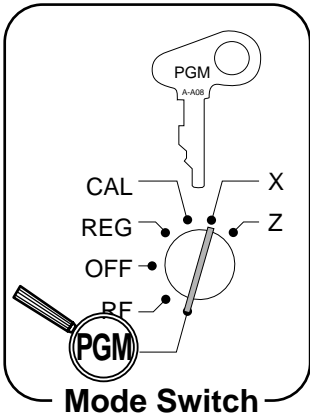
Example:

$1.00 = ¥110.50 ⇨ **1** · **1** **0** **5**

¥100 = $0.9050 ⇨ **0** · **9** **0** **5**

Currency exchange feature programming

Fraction control, round off = 0, cut off = 1, round up = 2	Significant number	D_7
Always "0"		0 0 D_6 D_5
Monetary symbol for foreign currency; 　Local currency symbol = 0 　Monetary symbol 1 (in the special character program) = 1 　Monetary symbol 2 (in the special character program) = 2 　Monetary symbol 3 (in the special character program) = 3 　Monetary symbol 4 (in the special character program) = 4	Significant number	D_4
Always "0"		0 D_3
Digit delimiter for foreign currency; 　Period = 0, Comma = 2	Significant number	D_2
Monetary system code (decimal places) following currency exchange operation; 　Same as local currency = 0, 0.0 = 1, 0.00 = 2, 0 = 3	Significant number	D_1

Registering foreign currency

Mode Switch
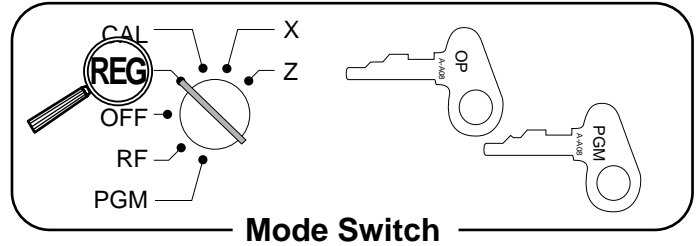
1) Full amount tender in foreign currency

* Pre-programmed exchange rate: ¥ 100 = $0.9

Important!

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

OPERATION		DISPLAY	RECEIPT
1 **0** **00** [49/73 +25/1]	← Enter the unit price and press the applicable department key.	`01  10.00` (Displays in $)	05-11-2000 13:25 0001 REG C01 000059 DEPT01 $10.00 DEPT02 $20.00 TL $30.00 CE CA ¥5,000 CA $45.00 CG $15.00
2 **0** **00** [50/74 −26/2]	← Enter the next unit price and press the applicable department key.	`02  20.00` (Displays in $)	
[POST RECEIPT /EXCHG]	← Press the [POST RECEIPT /EXCHG] key 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 but not printed on the receipt or journal.	`3.333` (Displays in ¥: 3,333)	
5 **0** **00** [POST RECEIPT /EXCHG] (5,000)	← Enter the amount tendered in yen and press the [POST RECEIPT /EXCHG] key. This operation converts the entered yen amount into dollars by applying a pre-programmed exchange rate. The result is shown on the display.	`45.00` (Displays in $: 45.00)	
[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.	`15.00` (Displays in $)	

Convenient Operations and Setups
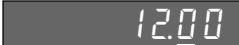
Convenient Operations and Setups

2) Partial tender in a foreign currency

 * Pre-programmed exchange rate: ¥ 100 = $0.9

Important!

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

OPERATION	DISPLAY	RECEIPT

1 0 00 [49/73 + 25 1] ← Enter the unit price and press the applicable department key.

`01        10.00`
(Displays in $)

2 0 00 [50/74 − 26 2] ← Enter the next unit price and press the applicable department key.

`02        20.00`
(Displays in $)

[POST RECEIPT /EXCHG] ← Press the [POST RECEIPT /EXCHG] key 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 but not printed on the receipt or journal.

`3.333`
(Displays in ¥: 3,333)

2 0 00 [POST RECEIPT /EXCHG] (2,000) ← Enter the partial amount tendered in yen and press the [POST RECEIPT /EXCHG] key. This operation converts the entered yen amount into dollars by applying a pre-programmed exchange rate. The result is shown on the display.

`18.00`
(Displays in $: 18.00)

[CA/AMT =/TEND] ← Press the [CA/AMT =/TEND] key 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.

`12.00`
(Displays in $)

[CHK] ← Press to finalize the transaction.

`12.00`
(Displays in $)

```
05-11-2000  13:30    0001
REG      C01        000060

DEPT01              $10.00
DEPT02              $20.00
TL                 $30.00
CE
CA               ¥2,000
CA                 $18.00
CHK                $12.00
```

Other function key feature programming

You can define a selection of features for the function keys by specifying an 6-digit program code for each key.

To other function key

Mode Switch
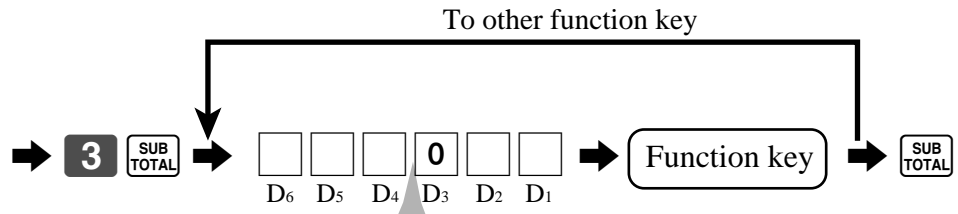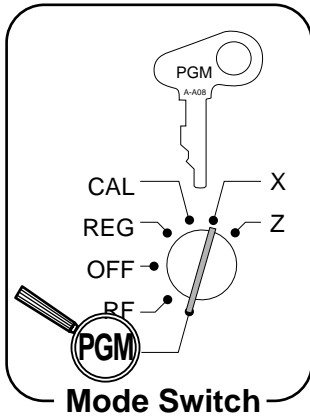
CA/AMT $TEND$, CH , CHK			
High amount limit specification for subtotal and tendering amounts [1]		Maximum value (0 ~ 9)	D_6 D_5
		Number of zeros (0 ~ 9)	
Prohibit entry of a partial payment	a	No = 0 Yes = 1	(a+b+c) D_4
Prohibit the entry of the amount tendered	b	No = 0 Yes = 2	
Force entry of the amount tendered	c	No = 0 Yes = 4	
Always "0"			0 D_3
High amount limit specification for change amount due [1]		Maximum value (0 ~ 9)	D_2 D_1
		Number of zeros (0 ~ 9)	

[1] High amounts limits:

High amount limitations are specified as 2-digits. The first digit you specify limits the maximum value of the leftmost digit of the value within the range of 0 through 9. The second digit you specify indicates the number of zeros in the limit value, again within the range of 0 through 9.

Example: $600.00 maximum ⇨ Enter 64.

Entering "00" clears the limitation.

$\boxed{\text{RC}/\text{T/S1}}$, $\boxed{\text{PD}/\text{T/S2}}$		
High amount limit specification for subtotal and tendering amounts *1 (Refer to the previous page.)	Maximum value (0 ~ 9)	$\boxed{}\,\boxed{}$ D_6 D_5
	Number of zeros (0 ~ 9)	
Always "0000"		$\boxed{0}\,\boxed{0}\,\boxed{0}\,\boxed{0}$ D_4 D_3 D_2 D_1

$\boxed{-}$			
Allow a credit balance.		No = 0 Yes = 1	$\boxed{}$ D_6
High digit limit specification		Significant number	$\boxed{}$ D_5
Taxable status 1	a	No = 0 Yes = 1	$\boxed{}$ (a+b+c) D_4
Taxable status 2	b	No = 0 Yes = 2	
Taxable status 3	c	No = 0 Yes = 4	
Always "000"			$\boxed{0}\,\boxed{0}\,\boxed{0}$ D_3 D_2 D_1

Note: If you require tax table 3, please refer to page 39.

Calculator functions

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

Mode Switch
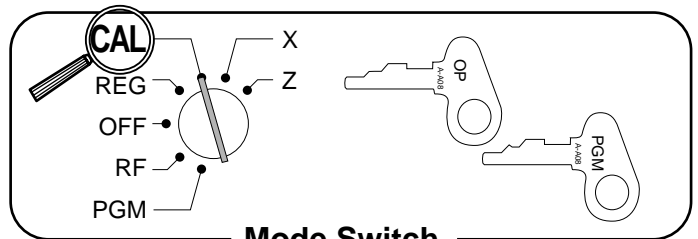
Example 1 (Calculation examples)

	OPERATION	DISPLAY
Clear	C CAC, C CAC	$\boxed{\text{C} \qquad 0}$
5+3-2=	5 +1 3 -2 2 CA/AMT =/TEND	$\boxed{6.}$
(23-56)×78=	2 3 -2 5 6 ×3 7 8 CA/AMT =/TEND	$\boxed{-2574.}$
(4×3-6)/3.5+8=	4 ×3 3 -2 6 ÷4 3 · 5 +1 8 CA/AMT =/TEND	$\boxed{9.714285714}$
12 % on 1500	1 5 0 0 -2 ×3 1 2 %	$\boxed{180.}$

Example 2 (Memory recall)

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}$		

OPERATION

DISPLAY/RECEIPT

Turn to REG

[1] [0] [00] [49/73 + 25 1]
[2] [0] [00] [50/74 − 26 2]
[SUB TOTAL]

```
05-11-2000  13:35   0001
REG    C01         000061

DEPT01        Tₗ    $10.00
DEPT02        Tₗ    $20.00
```

Turn to CAL

[PLU/ S.DEPT]

Memory recall:
Recalls subtotal amount

```
 3 1.5
```

[52/76 ÷ 28 4] [3] [CA/AMT = /TEND]

Divides the subtotal by 3 persons

```
10.5
```

Turn to REG

[PLU/ S.DEPT]

Memory recall:
Recalls the result amount

[CA/AMT = /TEND]

[PLU/ S.DEPT] [CA/AMT = /TEND]

[PLU/ S.DEPT] [CA/AMT = /TEND]

```
TA1              $30.00
TX1               $1.50
TL              $31.50
CA               $10.50
CA               $10.50
CA               $10.50
CG                $0.00
```

Programming calculator mode control

Open drawer when [CA/AMT = /TEND] (equal) is pressed in CAL mode. (Not effective, during registration)	a	No = 0 Yes = 1
Open drawer when [#/NS] is pressed in CAL mode. (Not effective, during registration)	b	No = 0 Yes = 2
Print [CA/AMT = /TEND] (equal) total and count on the daily report.	c	Yes = 0 No = 4
Always "0000"		

□ (a+b+c) D₅

0	0	0	0
D₄	D₃	D₂	D₁

PGM
A-A08

CAL — X
REG — Z
OFF
RF
PGM
Mode Switch

➡ [3] [SUB TOTAL] ➡ [1] [0] [2] [2] [SUB TOTAL] ➡

➡ [□] [0] [0] [0] [0] [CA/AMT = /TEND] ➡ [SUB TOTAL]
   D₅ D₄ D₃ D₂ D₁
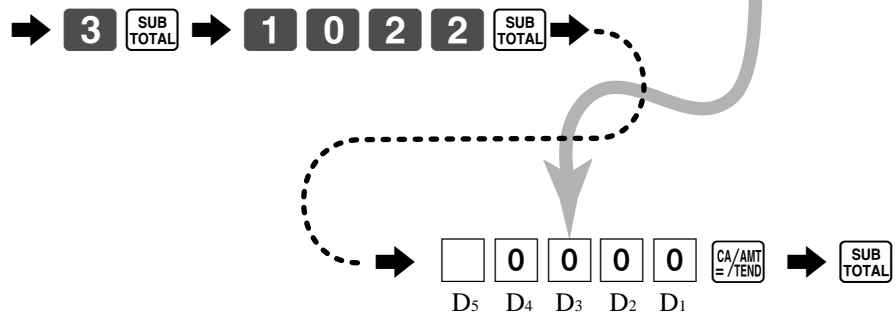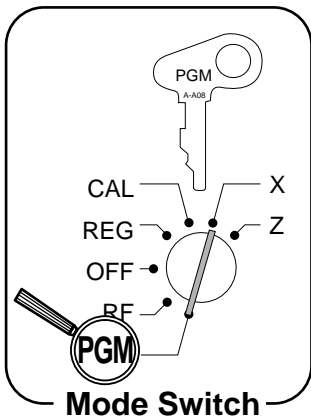
Printing read/reset reports

• Read report

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

• Reset report

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

Important!

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

To print the individual department, PLU/subdepartment read report

This report shows sales for specific departments or PLU/subdepartments.

OPERATION   **REPORT**


```
05-11-2000  17:05    0001      Date/time/machine No.
 ⌘    C01        000250      Read mode/clerk/consecutive No.

                    X        Read symbol

DEPT01      QT        15      Department No./No. of items
   29.6%          $339.50     Sales ratio/department amount
DEPT02      QT        19
   5.46%          $62.70
PLU001      QT        31      PLU No./No. of items
   12.12%         $139.10     Sales ratio/PLU amount
PLU002      QT        23
   29%           $332.67
---------------------------
TOTAL       QT        88      Total No. of items
   76.19%         $873.97     Total amount
```

• Specifying a department *

* Dept. 01 ~ 24

Dept. 25 ~ 48

Dept. 49 ~ 72

Dept. 73 ~ 96

• Specifying a PLU **

** 1 ~ 6 0 0 PLU/S.DEPT

SUB TOTAL

After you finish to select departments, PLU/subdepartments, press SUB TOTAL to terminate.

To print the financial read report

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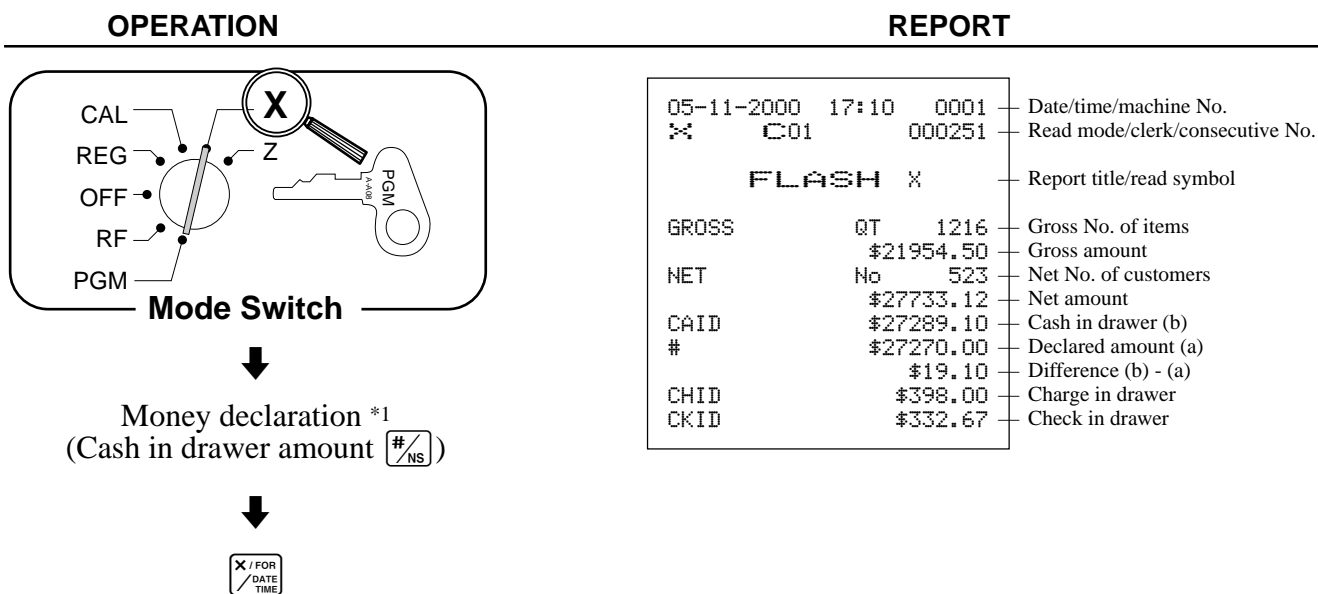
OPERATION	REPORT


```
05-11-2000  17:10    0001  ─ Date/time/machine No.
X     C01        000251  ─ Read mode/clerk/consecutive No.

        FLASH  X          ─ Report title/read symbol

GROSS         QT    1216  ─ Gross No. of items
             $21954.50    ─ Gross amount
NET           No     523  ─ Net No. of customers
             $27733.12    ─ Net amount
CAID         $27289.10    ─ Cash in drawer (b)
#            $27270.00    ─ Declared amount (a)
                $19.10    ─ Difference (b) - (a)
CHID           $398.00    ─ Charge in drawer
CKID           $332.67    ─ Check in drawer
```

*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 51), you cannot skip this procedure.

To print the group read report
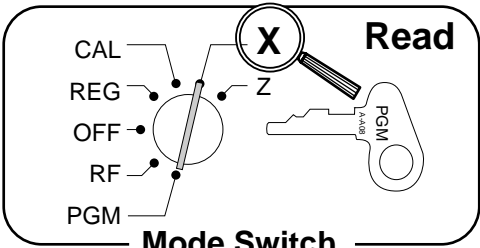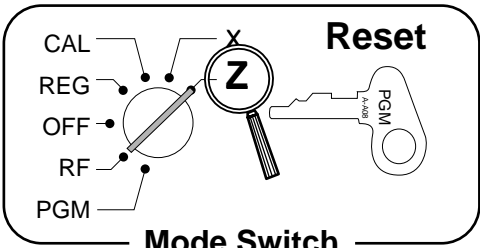
This report shows group totals.

OPERATION	REPORT


```
05-11-2000  17:15    0001  ─ Date/time/machine No.
X     C01        000252  ─ Read mode/clerk/consecutive No.

0006 GROUP   X           ─ Report code/report title/read
                           symbol
01........    QT      16  ─ Group 01/No. of items
  0.24%          $54.50   ─ Sales ratio/group 01 amount
02........    QT      25
  0.09%          $21.33
           QT     132
  0.12%          $90.7
........      QT       6  ─ Total of non-group link PLUs
  0.02%           $4.50
---------------------------
TOTAL         QT     156  ─ Total No. of items
  0.47%         $332.67   ─ Total amount
```
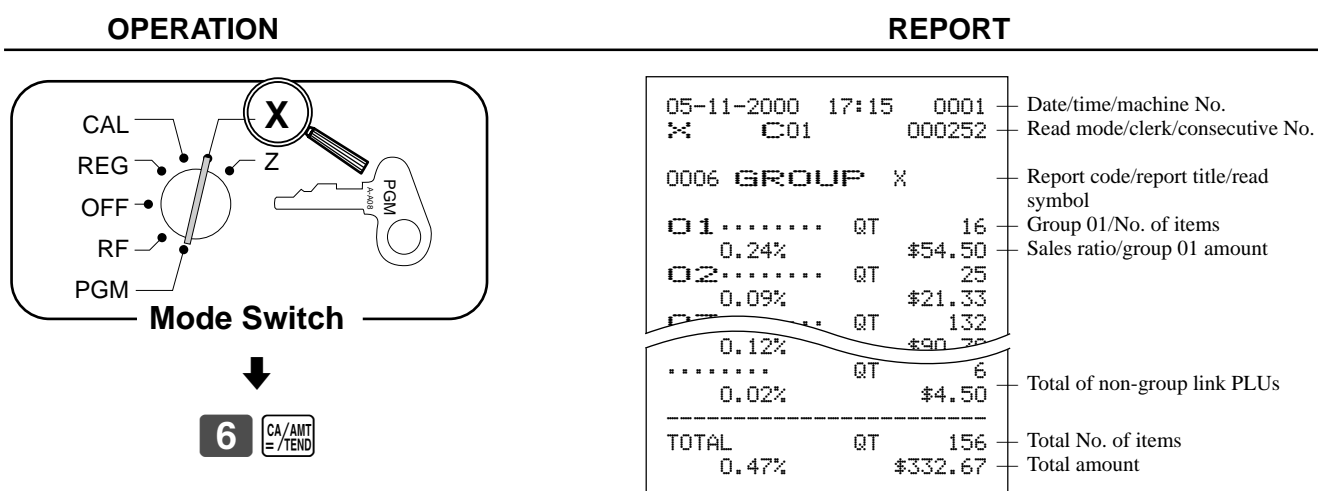
Convenient Operations and Setups

To print the daily sales read/reset report

This report shows sales except for PLUs.

OPERATION	REPORT

Read — X (Mode Switch)

Reset — Z (Mode Switch)

↓

Money declaration *1
(Cash in drawer amount #/NS)

↓

CA/AMT =/TEND

```
05-11-2000  17:20   0001  — Date/time/machine No.
 Z    C01       000253  — Reset mode/clerk/consecutive No.

0000 DAILY    Z 0001  — Report code/report title/reset symbol/
                           reset counter *5
DEPT01       QT    1015  — Department No./No. of items *2
    47.07%     $10339.50  — Sales ratio/department amount *2
DEPT02       QT      19
    31.87%      $7000.70
DEPT03       QT      31
    18.84%      $4139.10
DEPT04       QT      23
     1.51%       $332.62
NON-LINK_DEPT QT     10  — Non-link department No. of items
     0.43%        $94.90  — Non-link department amount
------------------------
GRS          QT    1253  — Gross No. of items
                $21960.90  — Gross sales amount
NET          No     545  — No. of customers
                $30217.63  — Net sales amount
CAID            $29903.06  — Cash in drawer amount (b)
#               $29903.06  — Declared amount (a)
                    $0.00  — Difference (b) - (a)
CHID              $197.17  — Charge in drawer amount
CKID              $183.60  — Check in drawer amount
TA1               $732.56  — Taxable amount 1 *3
TX1                $43.96  — Tax amount 1 *3
TA2               $409.72  — Taxable amount 2 *3
TX2                $21.55  — Tax amount 2 *3
```

```
TA3               $272.50  — Taxable amount 3 *3
TX3                 $8.18  — Tax amount 3 *3
CANCEL    No         2  — Cancellation count
                  $108.52  — Cancellation amount
RF MODE   No         2  — Refund mode operation count *4
                    $3.74  — Refund mode operation amount *4
CAL       No        10  — CAL mode operation count *4
------------------------
CA        No        81  — Cash sales count *2
                  $836.86  — Cash sales amount *2
CH        No        10  — Charge sales count *2
                  $197.17  — Charge sales amount *2
CHK       No         9  — Check sales count *2
                  $183.60  — Check sales amount *2
-         No         8  — Subtraction count *2
                    $3.00  — Subtraction amount *2
%         No        10  — Discount count *2
                    $4.62  — Discount amount *2
RF        No         7  — Refund key count *2 *4
                   $27.79  — Refund key amount *2 *4
CORR      No        10  — Error correction count *2
                   $12.76  — Error correction amount *2
#/NS      No         5  — No sale count *2
RC        No         2  — Received on Account count *2
                   $78.00  — Received on Account amount *2
PD        No         1  — Paid out count *2
                    $6.80  — Paid out amount *2
------------------------
C01       No        12  — Clerk 1/clerk 1 sales count
                  $127.63  — Clerk 1 sales amount
TRAINING
C02       No         6
                   $27.63  — Training clerk
TRAINING
C03       No        24
------------------------
GT    $0000351217.63  — Non-resettable grand-sales total
      000001--→000253  — Consecutive No. range of the day *4
```

*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 51), you cannot skip this procedure.
*2   Zero totaled departments/transaction keys (the amount and item numbers are both zero) are not printed.
*3   Taxable amount and tax amount are printed only the corresponding tax table is programmed.
*4   These items can be skipped by programming.
5   The "" symbol is printed on the reset report, memory overflow occurred in the totalizer.

To print the PLU/subdepartment read/reset report

This report shows sales for PLUs/subdepartments.

OPERATION	REPORT


```
05-11-2000  17:25    0001  — Date/time/machine No.
    Z   C01         000254  — Read mode/clerk/consecutive No.

0001 PLU         Z 0001  — Report code/report title/reset
                            symbol/reset counter
PLU001       QT      16  — PLU001/No. of items
   0.24%        $54.50  — Sales ratio/PLU001 amount
PLU002       QT      25
   0.09%        $21.33
PLU003       QT     132
   0.12%        $90.78
PLU200       QT
   0.02%         $4.50
--------------------------
TOTAL        QT     156  — Total No. of items
    100%     $21960.90  — Total amount
```

To print the hourly sales read/reset report

This report shows hourly breakdowns of sales.

OPERATION	REPORT


```
05-11-2000  17:30    0001  — Date/time/machine No.
    Z   C01         000255  — Read mode/clerk/consecutive No.

0002 HOURLY  Z 0001  — Report code/report title/reset
                        symbol/reset counter
00:00-01:00   No       6  — Time range/No. of customers
                  $4.50  — Sales amount
01:00-02:00   No      25
                 $21.33
02:00-03:00   No     132
                 $90.78
23:00-24:00   No       1
                  $1.50
--------------------------
TOTAL         No      56  — Total No. of customers
              $1338.40  — Total amount
```

Convenient Operations and Setups

To print the monthly sales read/reset report

This report shows monthly breakdowns of sales.

OPERATION	REPORT

OPERATION

CAL / REG / OFF / RF / PGM — **X** **Read** — Z — PGM A-A08

Mode Switch

⬇

3 CA/AMT =/TEND

CAL / REG / OFF / RF / PGM — **Z** **Reset** — X — PGM A-A08

Mode Switch

⬇
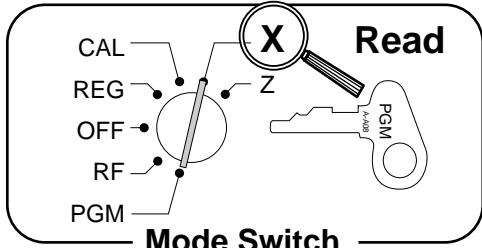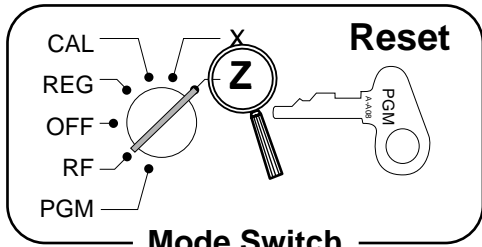
3 CA/AMT =/TEND

REPORT

```
05-11-2000  17:35   0001
    Z    C01      000256

0003 MONTHLY      Z 0001

  1····       No      6
                    $4.50
  2····       No     25
                   $21.33
  3····       No    132
                   $90.78
 31····       No      1
                    $1.50
---------------------------
TOTAL        No     56
               $1338.40
```

- Date/time/machine No.
- Read mode/clerk/consecutive No.
- Report code/report title/reset symbol/reset counter
- Date of a month/No. of customers
- Sales amount
- Total No. of customers
- Total amount

To print the periodic 1/2 sales read/reset reports

These reports show sales breakdowns of sales by any two kinds of period you want.

OPERATION	REPORT

X Read — Mode Switch

Z Reset — Mode Switch

1 0 0 (Periodic-1)/
3 0 0 (Periodic-2)

2 0 0 (Periodic-1)/
4 0 0 (Periodic-2)

CA/AMT =/TEND

CA/AMT =/TEND

```
06-30-2000  17:40    0001          Date/time/machine No.
   Z  C01           000257         Reset mode/clerk/consecutive No.

0200 PERIODIC-1     ZZ0001         Report code/report title/reset symbol/
                                   reset counter
DEPT01        QT     1015          Department No./No. of items *1
   47.07%        $10339.50         Sales ratio/department amount *1
DEPT02        QT       19
   31.87%         $7000.70
DEPT03        QT       31
   18.84%         $4139.10
DEPT04        QT       23
    1.51%          $332.67
NON-LINK_DEPT QT       10          Non-link department No. of items
    0.43%           $94.90         Non-link department amount
-------------------------
GRS           QT     1253          Gross No. of items
                 $21960.90         Gross sales amount
NET           No      545          No. of customers
                 $30217.63         Net sales amount
CAID             $29903.06         Cash in drawer amount
CHID               $197.17         Charge in drawer amount
CKID               $183.60         Check in drawer amount
TA1                $732.56         Taxable amount 1 *2
TX1                 $43.96         Tax amount 1 *2
TA2                $409.72         Taxable amount 2 *2
TX2                 $21.55         Tax amount 2 *2
TA3                $272.50         Taxable amount 3 *2
TX3                  $8.18         Tax amount 3 *2
CANCEL        No        2          Cancellation count
                   $108.52         Cancellation amount
RF MODE       No        2          Refund mode operation count *3
                     $3.74         Refund mode operation amount *3
CAL           No       10          CAL mode operation count *3
```

```
-------------------------
CA            No       81          Cash sales count *1
                   $836.86         Cash sales amount *1
CH            No       10          Charge sales count *1
                   $197.17         Charge sales amount *1
CHK           No        9          Check sales count *1
                   $183.60         Check sales amount *1
-             No        8          Subtraction count *1
                     $3.00         Subtraction amount *1
%             No       10          Discount count *1
                     $4.62         Discount amount *1
RF            No        7          Refund key count *1 *3
                    $27.79         Refund key amount *1 *3
CORR          No       10          Error correction count *1
                    $12.76         Error correction amount *1
#/NS          No        5          No sale count *1
RC            No        2          Received on Account count *1
                    $78.00         Received on Account amount *1
PD            No        1          Paid out count *1
                     $6.80         Paid out amount *1
-------------------------
C01           No       12          Clerk 1/clerk 1 sales count
                   $127.63         Clerk 1 sales amount
TRAINING
C02           No        6          Training clerk
                    $27.63
TRAINING
C03           No       24
                   $217.63
```

*1 Zero totalled departments/transaction keys (the amount and item numbers are both zero) are not printed.
*2 Taxable amount and tax amount are printed only the corresponding tax table is programmed.
*3 These items can be skipped by programming.

Convenient Operations and Setups

Convenient Operations and Setups

Reading the cash register's program

To print unit price/rate program (except PLU)

OPERATION	REPORT

OPERATION

CAL — X
REG — Z
OFF
PGM

Mode Switch

↓

`1` SUB TOTAL

↓

SUB TOTAL
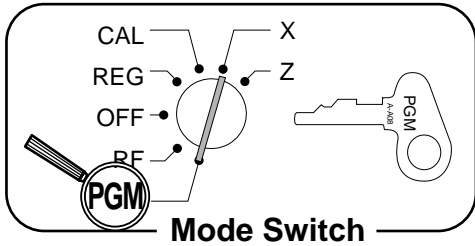
REPORT

```
05-11-2000  09:30    0001
P 1                000010

P 1·················
DEPT01      ᵀₗ    @1.00
DEPT02      ᵗ₂    @2.00
DEPT03      ᵗₗᵗ₂  @3.00
DEPT04      ᵀₗ    @4.00
DEPT94            @5.00
DEPT95            @95.00
DEPT96            @96.00

-           ᵀₗ    @0.00
%           ᵀₗ   12.34%
CE               0.09
```

— Date/time/machine No.
— Mode/consecutive No.
— Program read symbol
— Dept. No./tax status/unit price [1]
— Reduction preset amount
— Percent rate
— Currency exchange rate

[1] Department without being programmed are not printed on this report.

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

OPERATION   **REPORT**

Mode Switch

↓

2 SUB TOTAL

↓

SUB TOTAL
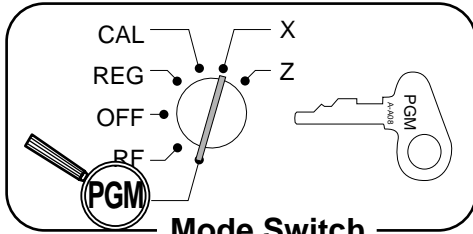
05-11-2000 09:35 0001		— Date/time/machine No.
P2	000011	— Mode/consecutive No.
P2··················		— Program read symbol
GROSS	01	— Gross character
NET	02	— Net character
CAID	03	— Cash in drawer character
CHID	04	— Charge in drawer character
CKID	05	— Check in drawer character
CECA	06	— Foreign currency cash character
CECK	07	— Foreign currency check character
TA1	08	— Taxable amount 1 character
TX1	09	— Tax 1 character
TA2	10	— Taxable amount 2 character
TX2	11	— Tax 2 character
TA3	12	— Taxable amount 3 character
TX3	13	— Tax 3 character
CANCEL	14	— Cancellation total character
RF MODE	15	— Refund mode total character
CAL	16	— CAL mode count character
NON-LINK DEPT	17	— Non link department character
CHK	04	— Check key descriptor
PD	05	— Paid out key descriptor
ON/OFF	06	
PRC	07	
#/NS	43	— #/NS key descriptor
CE	44	— Currency exchange key descriptor
–	45	— Minus key descriptor
%	46	— Percent key descriptor
DEPT01	01	— Department 1 key character
DEPT02	02	— Department 2 key character
DEPT03	03	— Department 3 key character
DEPT95	94	
DEPT96	96	— Department 96 key character
C01	01	— Clerk 01 character
C02	02	— Clerk 02 character
C24	24	
C25	25	— Clerk 25 character
GT	01	— Grand total character
$ @NoQT	01	
NoCT	02	
X /	03	
¶ ⅝ ⅜	04	
*	05	
* * * *	06	Special character
REG RF	07	
P	08	
	09	
SRVC TL	26	
CHECK-#	27	
DAILY	01	
PLU	02	
HOURLY	03	
PERIODIC-1	04	Report header
PERIODIC-2	09	
	10	
OPEN CHECK	11	
	01	
	02	
YOUR RECEIPT	03	Receipt message
CALL AGAIN		
	10	

Convenient Operations and Setups

To print the print control, compulsory clerk program (except PLU)

OPERATION

Mode Switch

3 [SUB TOTAL]

↓

[SUB TOTAL]

REPORT

05-11-2000 09:40 0001		— Date/time/machine No.
P3 000012		— Mode/consecutive No.
P3..................		— Program read symbol
0122 00000012		— Print control
0222 00000000		
0522 00000100		
0622 00000004		
0822 00401000		
1022 00000000		
0125		
5%		
5002		— Tax table 1
0000		
0225		
10%		
5002		— Tax table 2
0000		
0325		
15%		
5002		— Tax table 3
0000		
C01 01		— Clerk name
00 0000		
C02 02		— Training flag/secret No.
00 0000		
C25 06		
00 0000		
DEPT01 01		— Dept. No.
0000000000 @1.00		— Sales status/unit price [1]
DEPT02 02		
0000000000 @2.00		
DEPT96 03		
0000000000 @0.00		
CHK 00002100		— Check key program
PD 00000000		— Paid out key program
ON/OFF 00000000		
CA 00000100		— Cash key program
TL 00000000		
MDST 00000000		
CH 00002100		— Charge key program
RC 00000000		— Received on account key program
00000000		
QT 00000000		
OPEN 00000000		
CORR 00000000		
RF 00000000		
PRC 00000000		
#/NS 00000000		
CE 00000000		— Currency exchange key program
- 00000000		— Minus key program
% 00000000		— Percent key program

[1] Department without being programmed are not printed on this report.

To print the PLU program

OPERATION	REPORT

Mode Switch

`6` `SUB TOTAL`

`SUB TOTAL`
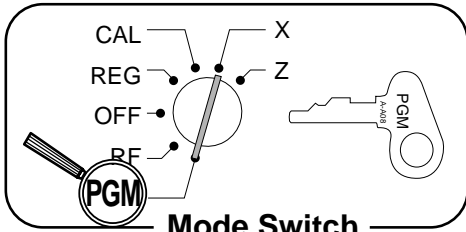
```
05-11-2000  09:45   0001  — Date/time/machine No.
P6                000013  — Mode/consecutive No.

P6···················      — Program read symbol
PLU001        ⊺₁       001  — Item character/tax symbol
  0000100000        @1.00  — Status program/unit price
PLU002                 002
  0000000000        @2.00
PLU003                 003
  0000000000        @3.00
PLU004                 004
  0000000000        @4.00
PLU005                 005
  0000000000        @5.00
PLU006                 006
  0000200000        @6.00
PLU007        ⊺₂       007
  0000000000        @7.00
PLU008                 008
  0000000000        @8.00
PLU009                 009
  0000000000        @9.00
PLU010                 010
                   @10.00
PLU599
  0000200000      @599.00
PLU600                 600
  0000000000      @600.00
```
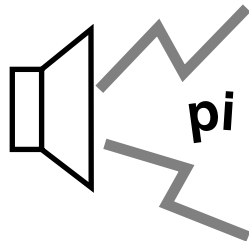
Troubleshooting

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

When an error occurs

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

ERROR TONE

pi
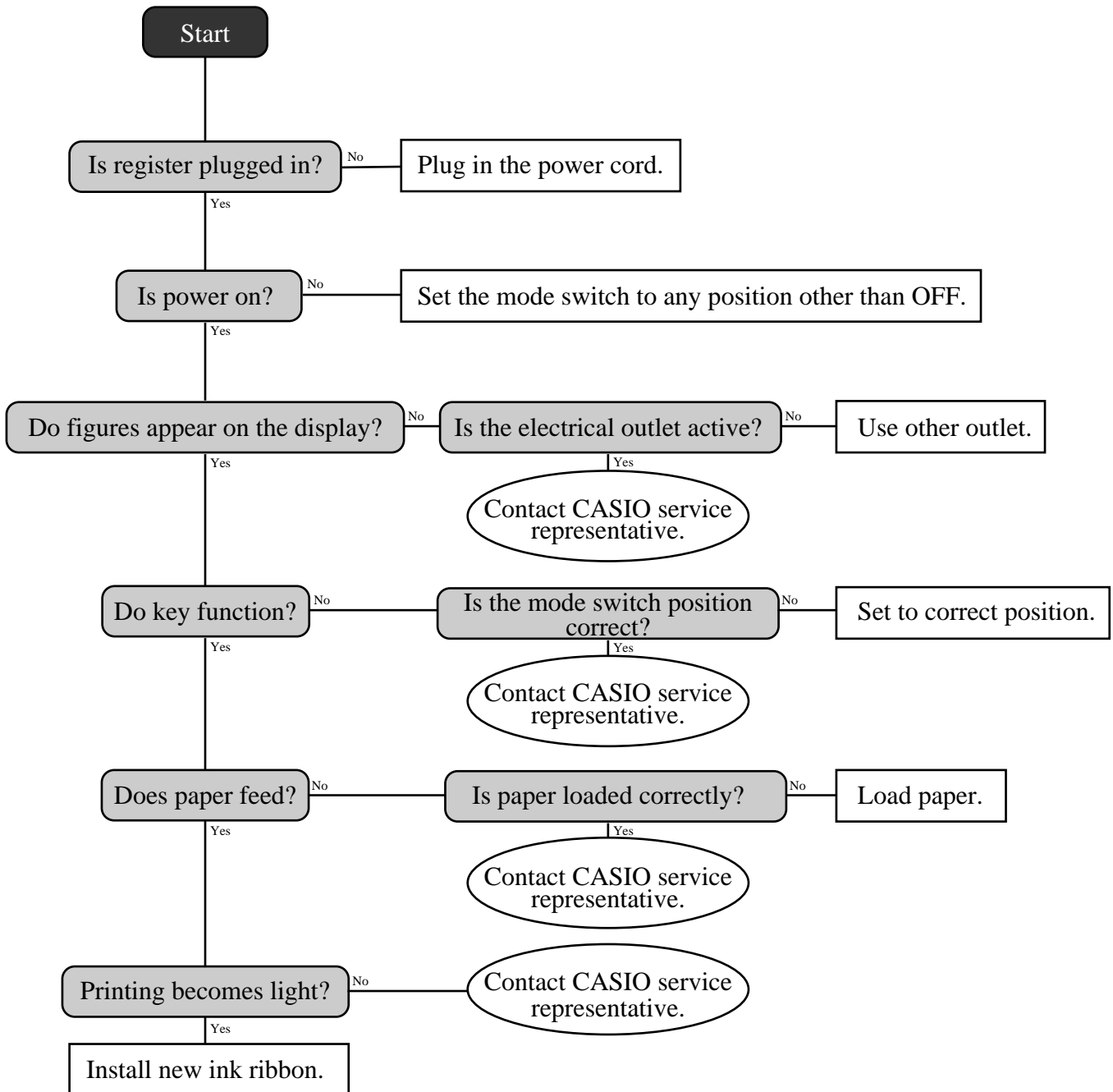
Does the display show an error code?

No

Yes

Error code	Meaning	Action
E01	Mode switch position changed before finalizaton.	Return the mode switch to its original setting and finalize the operation.
E08	Registration without entering a clerk number. This error appears only when the clerk control function is activated.	Enter a clerk number.
E27	Transaction cancel buffer full.	Finalize the transaction.
E31	Finalization of a transaction attempted without confirming the subtotal.	Press the [SUB TOTAL] key.
E33	Finalize operation attempted without entering amount tender.	Enter the amount tendered.
E35	Change amount exceeds preset limit.	Re-input amount tendered.
E38	Read/reset operation without declaring cash in drawer. This error appears only when this function is activated.	Perform money declaration.
E94	Printer error.	Turn the power off, and remove jammed paper from the printer.

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

Troubleshooting

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.

```
                    ┌──────────┐
                    │  Start   │
                    └──────────┘
                          │
      ┌──────────────────────────┐  No  ┌────────────────────────┐
      │  Is register plugged in? │──────│ Plug in the power cord.│
      └──────────────────────────┘      └────────────────────────┘
                          │ Yes
         ┌───────────────────┐  No  ┌─────────────────────────────────────────────────┐
         │   Is power on?    │──────│ Set the mode switch to any position other than OFF.│
         └───────────────────┘      └─────────────────────────────────────────────────┘
                          │ Yes
  ┌──────────────────────────────────┐ No ┌────────────────────────────────┐ No ┌──────────────────┐
  │ Do figures appear on the display?│────│ Is the electrical outlet active?│────│ Use other outlet.│
  └──────────────────────────────────┘    └────────────────────────────────┘    └──────────────────┘
                          │ Yes                          │ Yes
                                            ( Contact CASIO service representative. )
  ┌──────────────────────┐ No ┌──────────────────────────────┐ No ┌────────────────────────┐
  │    Do key function?  │────│ Is the mode switch position  │────│ Set to correct position.│
  └──────────────────────┘    │          correct?            │    └────────────────────────┘
                          │ Yes└──────────────────────────────┘
                                            │ Yes
                                ( Contact CASIO service representative. )
  ┌──────────────────────┐ No ┌──────────────────────────────┐ No ┌──────────────┐
  │   Does paper feed?   │────│   Is paper loaded correctly? │────│  Load paper. │
  └──────────────────────┘    └──────────────────────────────┘    └──────────────┘
                          │ Yes                          │ Yes
                                ( Contact CASIO service representative. )
  ┌──────────────────────┐ No ( Contact CASIO service representative. )
  │ Printing becomes light?│──
  └──────────────────────┘
                          │ Yes
  ┌──────────────────────────┐
  │ Install new ink ribbon.  │
  └──────────────────────────┘
```

Troubleshooting

In case of power failure

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

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

Important!

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

When the L sign appears on the display

About the low battery indicator…

The following shows the low battery indicator.

If this indicator appears when you switch the cash register on, it can mean one of three things:
- No memory backup batteries are loaded in the cash register.
- The power of the batteries loaded in the unit is below a certain level.
- The batteries loaded in the unit are dead.

To clear this sign, press [C] key.

Important!

Whenever the low battery indicator appears on the display, load a set of three new batteries as soon as possible. If there is a power failure or you unplug the cash register when this indicator appears, you will lose all of your sales data and settings.
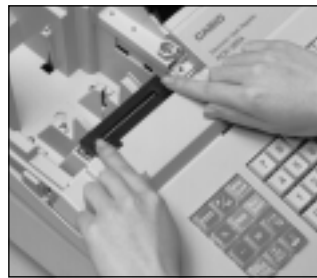
BE SURE TO KEEP THE POWER CORD OF THE CASH REGISTER PLUGGED IN WHENEVER YOU REPLACE THE BATTERIES.

To replace the ink ribbon
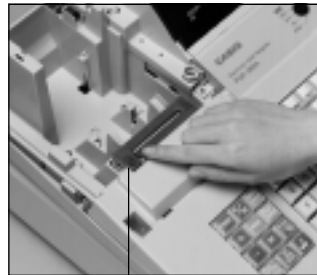

① Remove the printer cover.

② Cut the journal paper and feed the remaining paper from the printer.

③ Remove the inner cover.

④ Push on the right side of the ribbon cassette where marked with the word "PUSH", to release it.

⑤ Load a new ink ribbon cassette into the unit.

⑥ Turn the knob on the left side of the cassette to take up any slack in the ribbon.

Knob
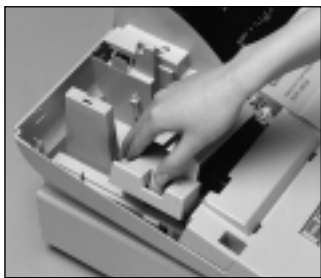
⑦ Reload the roll paper and replace the printer cover .

Troubleshooting and User Maintenance

Important!

Use only the ERC-40P ribbon (purple). Other types of ink ribbons can damage the printer.

Never try to extend the life of an ink ribbon by replenishing the ink.

Once an ink ribbon is in place, press the ⌗/NS key to test for correct operation.

To replace journal paper
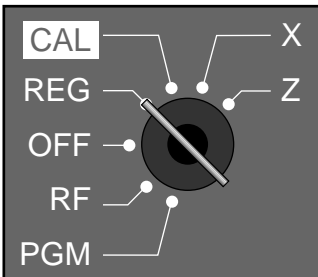
① Set the mode switch to the REG position and remove the printer cover.

② Press FEED to feed about 20 cm of paper.

③ Cut the journal paper at the point where nothing is printed.

④ Remove the journal take-up reel from its holder.
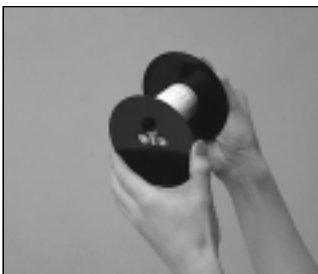
⑤ Remove the flat plate from the side of the take-up reel.

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

⑦ Cut the journal paper as shown in the photograph.

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

⑨ Do not pull the paper out of the printer by hand. It can damage the printer.

⑩ Remove the old paper roll from the cash register.

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

To replace receipt paper
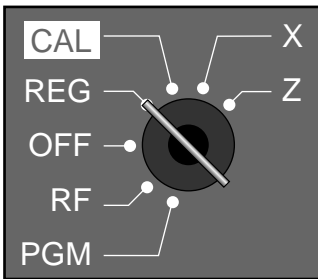
① Set the mode switch to the REG position and remove the printer cover.

② Cut the receipt paper as shown in the photograph.
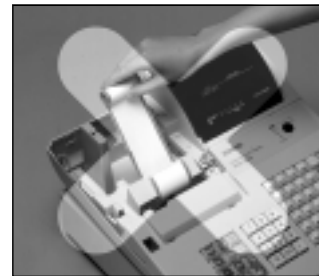
③ Press [FEED] to feed the remaining paper from the printer.
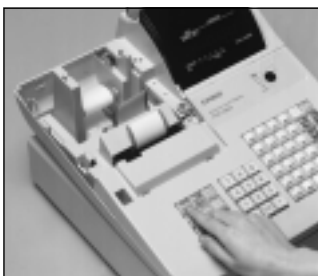
④ Do not pull the paper out of the printer by hand. It can damage the printer.

⑤ Remove the old paper roll from the cash register.

⑥ Load new paper as described on page 9 of this manual.

Options

WT-73 wetproof cover

The optional wetproof cover protects the keyboard from moisture damage.

User Maintenance and Options

Specifications

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

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

Printer
    Printer: Single sheet impact dot matrix printer (Receipt or journal printing)
                             24 digits (Amount 10 digits/descriptor 8, 12 or 24 digits)
    Journal: Automatic take up roll winding
    Print speed: 2.7 lines/sec.
    Feed speed: 6.5 lines/sec.
    Paper roll: 58 mm × 80 mm Ø (Max.)
    2-ply paper roll   58 mm × 80 mm Ø (Max.)
                             CASIO CP-5880

Calculations   Entry 10 digits; Registration 7 digits; Total 10 digits

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

Alarm   Entry confirmation signal; Error alarm

Totalizers

Category	No. of Totalizers	Contents				Periodic Totalizers
		Amount (10 digits)	No. of items (4 digits)	Count (4 digits)	No. of customers (4 digits)	
Department	96	○	○ (4 digits integer/ 2 digits decimal)			○
PLU	600	○	○ (4 digits integer/ 2 digits decimal)			
Hourly sales	24	○			○	
Clerk*	25	○			○	○
Transaction	27	○ or	○ or	○ or	○	○
Non resettable grand sales total	1	○ 12 digits				
Reset counter	6			○		○
Consecutive No.	1			○ 4 digits		

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

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

Power supply/ Power consumption   As noted on the plate affixed to right side of register.

Operating temperature   32°F ~ 104°F (0°C ~ 40°C)

Humidity   10 ~ 90%

Dimensions and Weight $10_{15/16}$" (H) × $13_{11/16}$" (W) × $15_{9/32}$" (D)/13 lbs 4 oz .... with small size drawer
* Specifications and design are subject to change without notice.

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Specifications

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LIMITED WARRANTY: ELECTRONIC CASH REGISTERS

This product, except the battery, is warranted by Casio to the original purchaser to be free from defects in material and workmanship under normal use for a period, from the data of purchase, of one year for parts and 90 days for labor. For one year, upon proof of purchase, the product will be repaired or replaced (with the same or a similar model) at Casio's option, at a Casio Authorized Service Center without charge for parts. Labor will be provided without charge for 90 days. The terminal resident software and programmable software, if any, included with this product or any programmable software which may be licensed by Casio or one of its authorized dealers, is warranted by Casio to the original licensee for a period of ninety (90) days from the date of license to conform substantially to published specifications and documentation provided it is used with the Casio hardware and software for which it is designed.

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

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

Your Name:...

Address:...

Dealer's Name:...

Address:...

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