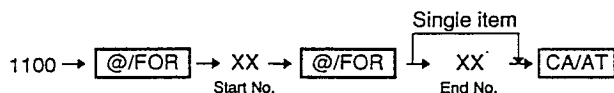


CHAPTER 2. PROGRAM (PGM2/PGM1) MODE

[JOB#1200]: PLU reading
Key operation

1. Reading of the PGM mode program

[JOB#1100]: DEPT reading
Key operation



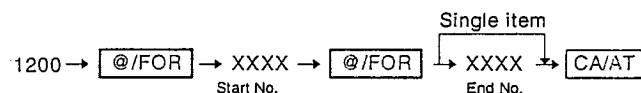
STAMP	
07/31/92 12:34PM	DATE (MM/DD/YY)/TIME
123456#0123	MACHINE NO./CC-NO.
#1100 *PGM1*	
JOB CODE	
D01 FT1234 -1000.00	DPT CODE/FS TAXABLE/SIGN. PRICE
DPT. 01 G01	TEXT/GROUP No.
0000003 KP- L18	(*1) PROGRAM/(*2) PRINT STATION/HALO
:	
:	
:	
:	

(*1) PROGRAM : ABCDEFG

A: (Not used)	0
B: Item vp compulsory/noncompulsory	1/0
C: Tare table No.	1 to 9/0
D: Scale entry Allowed/Inhibited	1/0
E: SIF/SICS/Normal	2/1/0
F: Bottle return/HASH/Normal	2/1/0
G: Amount entry type	3/2/1/0
Open and preset/preset/open/inhibited	

(*2) PRINT STATION (Option)

KP-: NO OUTPUT TO KP
KP1: OUTPUT TO KP
RCP: OUTPUT TO CHIT RECEIPT



STAMP	
07/31/92 12:34PM	DATE (MM/DD/YY)/TIME
123456#0123	MACHINE NO./CC-NO.
#1200 *PGM1*	
JOB CODE/MODE TITLE	
P0001 (01) /00	PLU CODE/DEPT code/(*1)/BASE QTY
FT1234 -1000.00	FS. TAXABLE/SIGN. PRICE
P0001	TEXT
003 KP-	(*2) PROGRAM/PRINT STATION
P000001	WHEN DELETE PLU

(*1) NORMAL · LINK PLU · PROMO PLU

: NORMAL
: L LINK PLU
: S PROMO PLU

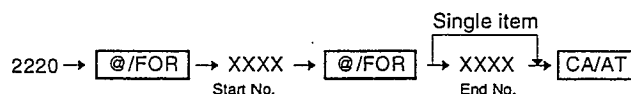
(*2) PROGRAM : ABC

A: Tare table No.	1 to 9/0
B: Scale Compulsory/Enable/Inhibit	2/1/0
C: Amount entry type	
Open and preset/preset/open /inhibited =	3/2/1/0
(PLU) (SUB-dept)	

[JOB#2220]

LINK PLU PRESET OR READING

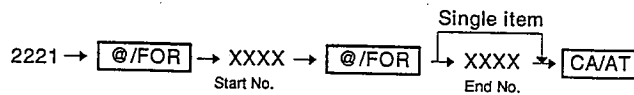
Key operation



STAMP	
07/31/92 12:34PM	DATE (MM/DD/YY)/TIME
123456#0123	MACHINE NO./CC-NO.
#2220 *PGM2*	
JOB CODE/MODE TITLE	
P0001 LP1001	PLU CODE/LINK PLU CODE (MAX 5)
P1002	
P1003	

SET MENU PRESET OR READING

Key operation



STAMP	
07/31/92 12:34PM 123456#0123	
#2221 *PGM2*	
P0001	SP1001
	P1002
	P1003
	P1004
	P1005

DATE (MM/DD/YY)/TIME
MACHINE NO./CC-NO.

JOB CODE/MODE TITLE

PLU CODE/LINK PLU CODE (MAX 10)

[JOB#2217]

LEVEL RANGE REDING

Key operation

2217 → @/FOR → CA/AT

STAMP	
07/31/92 12:34PM 123456#0123	
#2217 *PGM2*	
1	0001 -0090
2	0091 -0180
3	0181 -0270

DATE (MM/DD/YY)/TIME
MACHINE NO./CC-NO.

JOB CODE/MODE TITLE

PLU LEVEL

FUNCTION PRESET READING REP.

Key operation

1300 → @/FOR → CA/AT

STAMP	
07/31/92 12:34PM 123456#0123	
#1300 *PGM1*	
F01 (-) 1	-1000.00
I	FT1234 L17
F02 (-) 2	-2000.00
S	FT1234 L17
F05 % 1	-10.00%
I	FT1234 L 20.00%
F06 % 2	-20.00%
S	FT1234 L 30.00%
F28 M-TAX	L18
F50 C ASH	L18
000000000000	(*) PGM
F57 CA/CHK	L18
999999.99	HALO
F58 CHK/CG	L18
999999.99	HALO
F60 CONV. 1	L18
999999.99	RATE
F83 ****C ID	999999.99
	SENTINEL
F84 GROUP1	
F85 GROUP2	

DATE (MM/DD/YY)/TIME
MACHINE NO./CC-NO.

JOB CODE/MODE TITLE

FUNCTION NO. / TEXT

SIGN, RATE I: ITEM (store coupon)

FS. TAX / HALO

S: SBTL (Vendor coupon)

I: ITEM%

RATE

FS. TAX / HALO

S: SBTL%

MANUAL TAX (U)

(*) PGM

HALO

HALO

RATE

SENTINEL

(*) PGM : ABCDEFGHIJK

A: (Not used)

B: Footer print

Yes/No.

1/0

C: Non-add code entry

compulsory/noncompulsory

1/0

D: Change due

Disable/Enable

1/0

E: VP

compulsory/noncompulsory

1/0

F: Taxable 4 delete

Yes/No.

1/0 (U)

G: Taxable 3 delete

Yes/No.

1/0 (U)

H: Taxable 2 delete

Yes/No.

1/0 (U)

I: Taxable 1 delete

Yes/No.

1/0 (U)

J: Drawer opening

No./Yes

1/0

K: Entry of amount tendered

compulsory/noncompulsory (Cash/check)

1/0

compulsory/inhibit (CH1 to 8)

1/0

[JOB#2600]

READING OF OTHER

Key operation

2600 → @/FOR → CA/AT

STAMP

07/31/92 12:34PM
123456#0123

DATE (MM/DD/YY)/TIME
MACHINE NO./CC-NO.

#2600 *PGM1*

JOB CODE/MODE TITLE

#2614

LOGO MESSAGE

SHARP
IS
THE BEST
YOUR
RECEIPT
THANK YOU

#2615 00 00 1 0

(*1) VP

#2616 00000000

(*2) OPTIONAL FEATURE

1 00000000

2 00000000

3 00000000

4 00000000

#2617 000

TILL TIMER

#2618 1 0.00

SCALE TABLE No. /WEIGHT

2 0.00

#2619 1 08

(*3) HOURLY REPORT

#2620

STACK REPORT

20

0001- 1000

50

#2630 0000

SECRET CODE PGM1

#2631 0000

X1/Z1

#2632 0000

X2/Z2

(*1) VP : abcdxy

ab: (Not used) = 0

cd: (Not used) = 0

x: NO. OF TIMES OF VALIDATION PRINTING = 0 to 9

y: FEED LINE AFTER DEPRESSION OF TRAY ST KEY. = 0 to 9

(*2) Optional feature : ABCDEFGH

x : 1

A: OP X/Z report Disable/Enable 1/0

B: PO operation in REG mode Disable/Enable 1/0

C: Refund type of sale function Disable/Enable 1/0

in REG mode

D: "REFND" key entry Disable/Enable 1/0

in REG mode

E: Direct void function in REG Disable/Enable 1/0

F: Indirect void in REG mode Disable/Enable 1/0

G: Subtotal void in REG Disable/Enable 1/0

mode

H: Refund VP Compulsory/Noncompulsory 1/0

x : 2

A: The first item direct void Disable/Enable 1/0

B: PLU level shift system Manual/Auto 1/0

C: PLU level shift system MGR/MGR® 1/0

D: Printing of the number Yes/No. 1/0

of purchases

E: Time print No/Yes 1/0

x : 3

A:

0

B:

0

C: Zero skip in cashier report No/Yes 1/0

D: Zero skip in transaction report No/Yes 1/0

E: Zero skip in DEPT. report No/Yes 1/0

F: Zero skip in PLU report No/Yes 1/0

G: Zero skip in hourly report No/Yes 1/0

H: Zero skip in Daily report No/Yes 1/0

x : 4 (Not used)

(*3) Hourly report : a bc

a: Hourly report format by 15 minutes/by 30 minutes 1/0

bc: start hour 00 to 23

[JOB#2900]

Auto key reading (PGM2 mode position)

Key operation

2900 → @/FOR → CA/AT

STAMP

07/31/92 12:34PM
123456#0123

DATE (MM/DD/YY)/TIME
MACHINE NO./CC-NO.

#2900 *PGM2*

JOB CODE/MODE TITLE

#01

1 key

0 key

0 key

CA/AT

#02

D01

(DEPT01)

D02

P0001

(PLU000001)

[JOB#1500]

CASHIER READING REP.

Key operation

1500 → @/FOR → CA/AT

STAMP

07/31/92 12:34PM
123456#0123

DATE (MM/DD/YY)/TIME
MACHINE NO./CC-NO.

#1500 *PGM1*

JOB CODE/MODE TITLE

01CSR# 01

CASHIER CODE

CASHIERA D1

NAME/DRAWER NO.

02CSR# 02

CASHIERB D1

03CSR# 03

CASHIERD D1

04CSR# 04

CASHIERE D1

TAX TABLE READING REP.

Key operation

2700 → **@/FOR** → **CA/AT**

STAMP	
07/31/92 12:34PM	
123456#0123	
#2700 *PGM2*	
TAX1	10.0000%
	/ . 1.00
1	0.11
2	0.23
3	0.57
4	0.78
5	1.11
TAX2	4.0000%
	0.10
TAX3	5.0000%
	0.20
TAX4	6.0000%
	0.30

DATE (MM/DD/YY)/TIME
MACHINE NO./CC-NO.

JOB CODE/MODE TITLE

TABLE NO./RATE
CYCLE
TAX./BREAK POINT AMOUNT

TABLE NO. / RATE
LOWER TAX LIMIT

[JOB#2119]

DIRECT KEY READING REP.

Key operation

2119 → **@/FOR** → **CA/AT**

STAMP	
07/31/92 12:34PM	
123456#0123	
#2119 *PGM2*	
001	D01
002	D02
051	P0001
052	P0002
151	---

DATE (MM/DD/YY)/TIME
MACHINE NO./CC-NO.

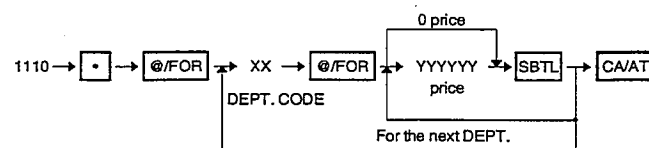
JOB CODE/MODE TITLE

KEY NO./DEPT CODE OR PLU CODE

2. Programming

[JOB#1110]

PROGRAMMING OF DEPT. PRICE



XX: DEPT-CODE = 01 ~ 50

YYYYYY: PRICE = 0 ~ 999999

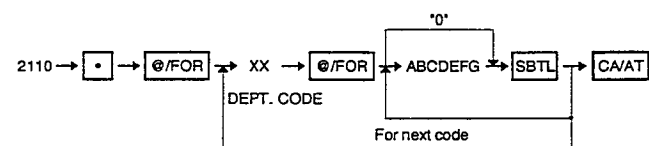
Preset price is max. 6 digits.

Price can be programmed for each dept. If this programming is performed, the ECR is automatically programmed to allow preset price entry even when it has been programmed not to allow preset price entry in dept. function programming (JOB#2110).

MRS = 000000

[JOB#2110]

PROGRAMMING OF DEPT. FUNCTION



XX: DEPT. code = 01 ~ 99

A: Not used (Fixed at "0")

B:	Item validation printing	2110-B
	Non compulsory	0
	Compulsory	1

C:	Tare table number	2110-C
	No tare function	0
	1 ~ 9	1 ~ 9

D:	Scale entry	2110-D
	Inhibited	0
	Allowed	1

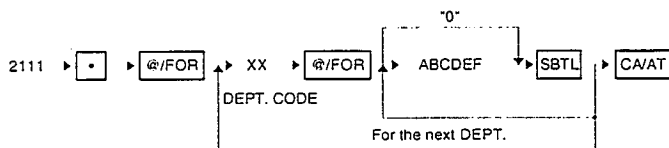
E:	SICS Function	2110-E
	Normal	0
	Single item cash sale	1
	Single item finalize	2

F:	Selection of the group	2110-F
	Normal	0
	Hash	1
	Bottle return	2

G:	Amount entry type	2110-G
	Inhibited	0
	Open	1
	Preset	2
	Open and preset	3

MRS = 00001

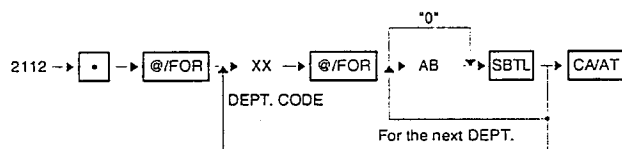
[JOB#2111]
DEPT. TAX STATUS AND SIGN PROGRAMMING



XX: DEPT. CODE = 01 ~ 99
 A: SIGN- = 1
 SIGN+ = 0
 B: Food stampable = 1
 Non-food stampable = 0
 C: Taxable 4 = 1
 Non-taxable 4 = 0
 D: Taxable 3 = 1
 Non-taxable 3 = 0
 E: Taxable 2 = 1
 Non-taxable 2 = 0
 F: Taxable 1 = 1
 Non-taxable 1 = 0

MRS = 000000

[JOB#2112]
DEPT. HALO (limit) preset

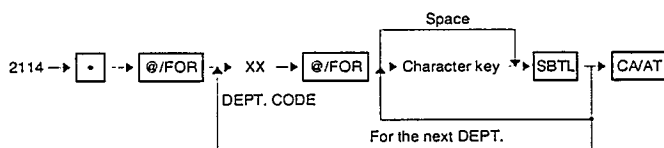


XX: DEPT. CODE = 01 ~ 99
 A: Mantissa = 1 ~ 9
 B: Exponent = 0 ~ 7

* Items A and B indicate $(10 \times A)^B$. Any amount below that value is enable within 9999999.

MRS = 17

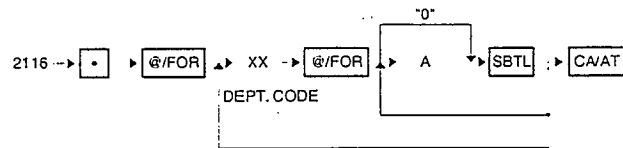
[JOB#2114]
DEPT. TEXT PROGRAMMING



Characters can be entered by using alphabetic keys or numeric keys. Please refer to section 3.

MRS = DPT. XX

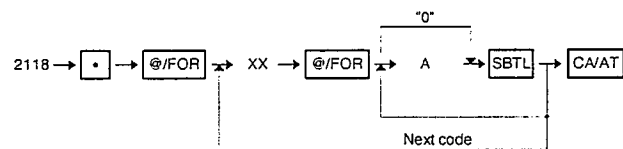
[JOB#2116]
PROGRAMMING OF DEPT. GROUP



XX: DEPT. code = 01 ~ 99
 A: Group number = 0 ~ 9

MRS = 00

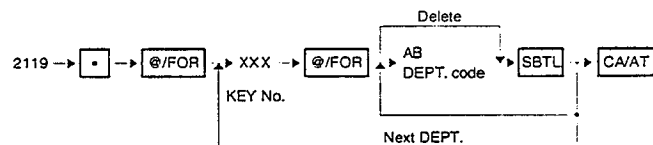
[JOB#2118]
PRINT STATION PROGRAMMING



XX: DEPT. code = 01 ~ 99
 A: Receipt = 2 (Chit receipt)
 Kitchen printer = 1
 No output = 0

MRS = 0

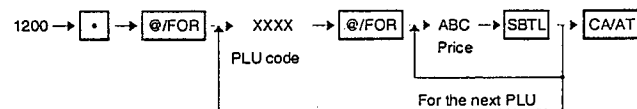
[JOB#2119]
LINK NUMBER PROGRAMMING FOR DIRECT DEPT. KEYS



DEPT. code is assigned to the key no. Which has been programmed in JOB#951 programming.

AB: DEPT. CODE = 1 ~ 99

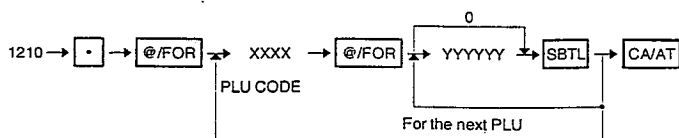
[JOB#1200]
Creating/Assigning PLUs and the associated departments.



XXXX: PLU CODE = 01 ~ 9999
 AB: DEPT. code = 0 ~ 99

C:	Amount entry type	C
	Inhibited	0
	Open	1
	Preset	2
	Open and preset	3
	Delete	4

MRS = 02



XXXX: PLU CODE = 01 ~ 9999

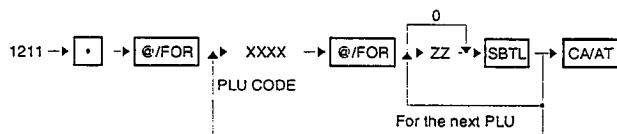
YYYYYY: Amount = 0 ~ 999999

Any PLU code should already be defined (JOB#1200) when, its unit price is programmed.

MRS = 000000

[JOB#1211]

PLU base Q'TY PROGRAMMING



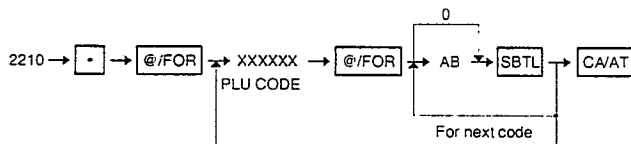
XXXX: PLU code = 01 ~ 9999

ZZ: Base quantity = 00 ~ 99

Any PLU code should already be defined (JOB#1200) when its base quantity is programmed.

[JOB#2210]

PLU FUNCTION PROGRAMMING

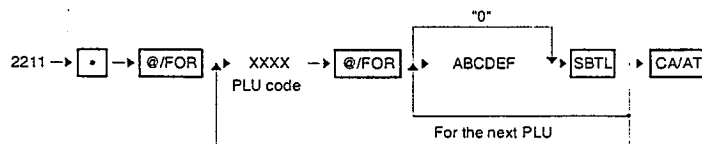


XXXX: PLU code = 1 ~ 9999

A: Tare table number	A
No tare function	0
1 ~ 9	1 ~ 9

B: Scale	B
Inhibit	0
Enable	1
Compulsory	2

MRS = 000000



XXXX: PLU code = 01 ~ 9999

A: Sign- = 1

Sign+ = 0

B: Food stampable = 1

Non-food stampable = 0

C: Taxable 4 = 1

Non-taxable 4 = 0

D: Taxable 3 = 1

Non-taxable 3 = 0

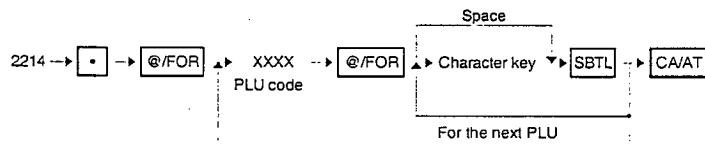
E: Taxable 2 = 1

Non-taxable 2 = 0

F: Taxable 1 = 1

Non-taxable = 0

MRS = 000000

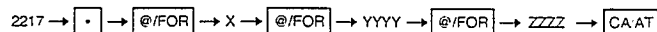
[JOB#2214]

PLU TEXT PROGRAMMING

Characters can be entered by using alphabetic keys or numeric keys. Please refer to section 3.

UP TO 8 (OR 16) CHARACTERS CAN BE PROGRAMMED.

MRS = PLUXXXX

[JOB#2217]

PLU LEVEL PROGRAMMING

X: PLU level No. = 1 ~ 3

YYYY: Start PLU code = 01 ~ 9999

ZZZZ: End PLU code = 01 ~ 9999

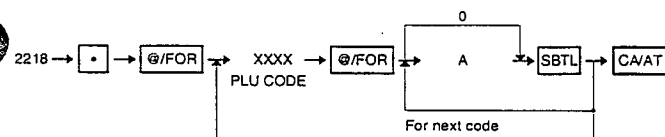
MRS = L1 0001 to 0274

L2 0091 to 0180

L3 0181 to 0270

[JOB#2218]

PRINT STATION PROGRAMMING



XXXX: PLU code = 01 ~ 9999

A: Receipt = 2 (chit receipt)

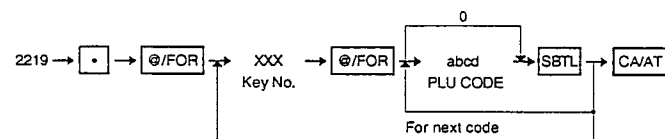
Kitchen printer = 1

No output = 0

MRS = 0

[JOB#2219]

DEPARTMENT CODE DEFINITION FOR DIRECT PLU KEYS

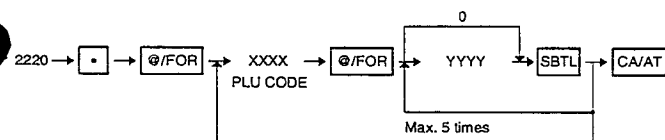


PLU code is assigned to the key No. which has been programmed in job#951 programming.

abcd: PLU code

[JOB#2220]

LINKED PLU PROGRAMMING



XXXX: PLU code = 01 ~ 9999

YYYY: PLU code = 01 ~ 9999

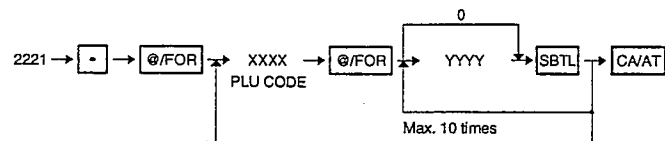
When the "SBTL" key is depressed without entering any number in (YYYY), there is no link.

PLU code should already be defined when they are used in programming here.

MRS = 0

[JOB#2221]

PROMO PLU PROGRAMMING



XXXX: PLU code = 01 ~ 9999

YYYY: PLU code = 01 ~ 9999

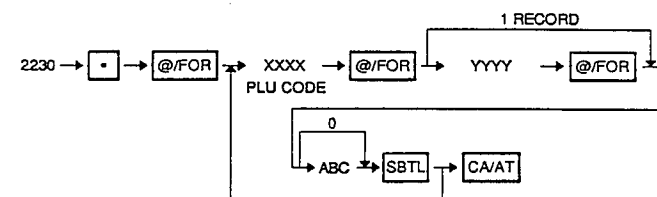
When the "SBTL" key is depressed without entering any number in (YYYY), no promo is assigned.

The promo PLU code (XXXX) can not contain the same PLU code in (YYYY).

PLU code must already be defined when it is used in programming here.

[JOB#2230]

PLU CODE PROGRAMMING (range)



XXXX: Start PLU code = 1 ~ 9999

YYYY: End PLU code = 1 ~ 9999

AB: Dept. code

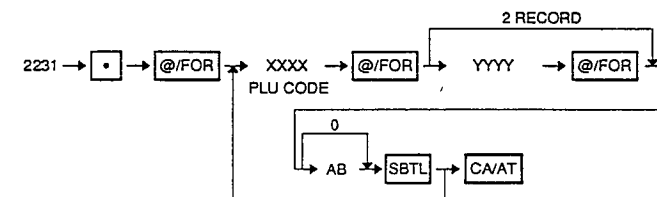
= 1 to 99

C: Amount entry type

Delete/open and preset/preset/open/inhibited = 4/3/2/1/0

[JOB#2231]

PLU FUNCTION PROGRAMMING (RANGE)



XXXX: Start PLU code = 1 ~ 9999

YYYY: End PLU code = 1 ~ 9999

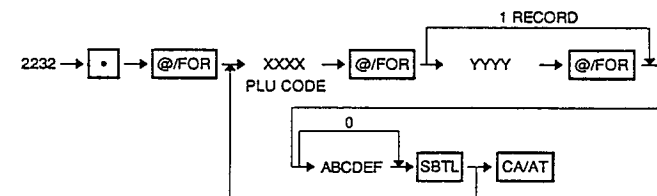
A: Tare table No.

= 1 to 9

B: Scale Compulsory/Enable/Inhibit = 2/1/0

[JOB#2232]

PLU TAX STATUS PROGRAMMING (RANGE)



XXXX: Start PLU code = 1 ~ 9999

YYYY: End PLU code = 1 ~ 9999

A: Sign +/-

= 1/0

B: Food stampable

Yes/No

= 1/0

C: Taxable 4

Yes/No

= 1/0

D: Taxable 3

Yes/No

= 1/0

E: Taxable 2

Yes/No

= 1/0

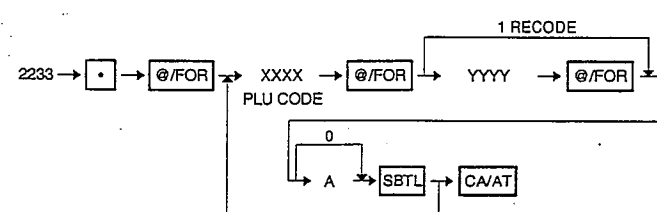
F: Taxable 1

Yes/No

= 1/0

[JOB#2233]

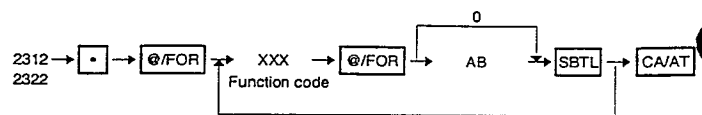
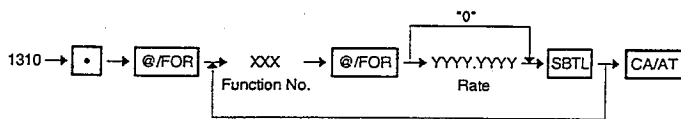
PRINT STATION PROGRAMMING (RANGE)



XXXX: start PLU code = 1 ~ 9999

YYYY: End PLU code = 1 ~ 9999

A: Receipt/kitchen printer/no output = 2/1/0



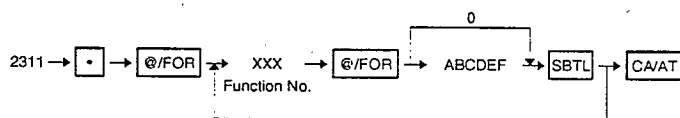
RATE PROGRAMMING

Function No.	Function	Entry range	Remarks
1	(-)1	0 to 9999.99	(-) unit price
2	(-)2		
3	(-)3		
4	(-)4		
5	%1	0 to 100.00	% -rate
6	%2		
7	%3		
8	%4		
60	Conversion 1	0 to 9999.9999	Conversion rate
61	Conversion 2		
62	Conversion 3		

MRS = 0

[JOB#2311]

MISC KEY PROGRAMMING 1



XXX : Function No.

Function No.	Function
1	(-)1
2	(-)2
3	(-)3
4	(-)4
5	%1
6	%2
7	%3
8	%4

A: Sign- = 1
Sign+ = 0
B: Food stampable = 1
Non-food stampable = 0
C: Taxable 4 = 1
Non-taxable 4 = 0
D: Taxable 3 = 1
Non-taxable 3 = 0
E: Taxable 2 = 1
Non-taxable 2 = 0
F: Taxable 1 = 1
Non-taxable 1 = 0

MRS = 00000000

*There are to match
dept if you want
the itemizers to
follow the dept.
correctly.*

XXX: Function No.

A: Mantissa (1 to 9)

B: Exponent (0 to 8)

JOB#	Func. No.	Function	Remarks
2312	1	(-) 1	Item B can be specified within 0 to 7.
	2	(-) 2	
	3	(-) 3	
	4	(-) 4	
	28	TAX	within the range from 0 to 7.
	53, 54	RA, RA2	Item B is specificable within the range from 0 to 8.
	55, 56	PO, PO2	
2322	50	CA1	Item B can be specified within range from 0 to 8.
	51	CA2	
	81	CHK	
	65	CH1	
	67	CH2	
	69	CH3	
	71	CH4	
	73	CH5	
	75	CH6	
	77	CH7	
	79	CH8	

Entry range, system: $(10 \times A)^B$

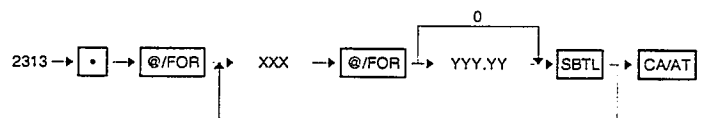
MRS = 17 for the functions (-) and tax an

= 18 for other functions than (-) and tax

[JOB#2313]

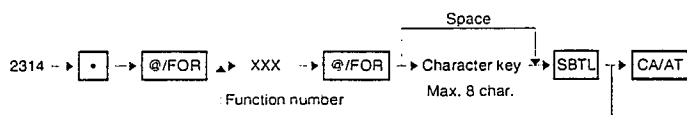
MISCELLANEOUS KEY PROGRAMMING (% HALO)

XXX: Function No.



YYYYY: % HALO

Function No.	Function	Remarks
5	%1	
6	%2	
7	%3	
8	%4	



XXX: FUNCTION CODE

Characters can be entered by using character keys or numeric keys. the key entry sequence for entering one character by numeric keys is as follows:

XXX → 00 key XXX: CHARACTER CODE (3DIGITS)

Please refer to section 3

FUNCTION LIST

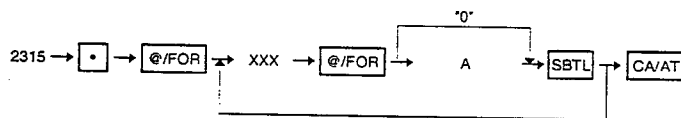
F-No.	FUNCTION	DEFAULT TEXT
1	(-) 1	(-) 1
2	(-) 2	(-) 2
3	(-) 3	(-) 3
4	(-) 4	(-) 4
5	%1	%1
6	%2	%2
7	%3	%3
8	%4	%4
9	NET1	NET1
10	TAXABLE 1 ST	TAX1 ST
11	GROSS TAX1	GRS TAX1
12	REFUND TAX1	RFD TAX1
13	NET TAX1	TAX1
14	TAXABLE2 ST	TAX2 ST
15	GROSS TAX2	GRS TAX2
16	REFUND TAX2	RFD TAX2
17	NET TAX2	TAX2
18	TAXABLE3 ST	TAX3 ST
19	GROSS TAX3	GRS TAX3
20	REFUND TAX3	RFD TAX3
21	NET TAX3	TAX3
22	TAXABLE4 ST	TAX4 ST
23	GROSS TAX4	GRS TAX4
24	REFUND TAX4	RFD TAX4
25	NET TAX4	TAX4
26	GROSS M-TAX	GRS MTAX
27	REFUND M-TAX	RFD MTAX
28	NET M-TAX	M-TAX
29	NON GST SUBTOTAL	GST EXPT
30	PST TOTAL	PST TTL
31	GST TOTAL	GST TTL
32	FS1 FORGIVE	FS TX1
33	FS2 FORGIVE	FS TX2
34	FS3 FORGIVE	FS TX3
35	TOTAL TAX	TTL TAX
36	NET2	NET2
37	COUPON PLU	CP PLU

F-No.	FUNCTION	DEFAULT TEXT
38	VOID	VOID
39	SBTL VOID	SBTL VOID
40	MANAGER VOID	MGR VD
41	VOID MODE	VOID
42	REFUND	REFUND
43	HASH VOID	HASH VD
44	HASH REFUND	HASH RF
45	NO SALE	NO SALE
46	VP COUNTER	VP CNT
47	DRAWER COUNTER	DRW CNT
48	CUSTOMER	TRANS CT
49	NET3 (SALES)	NET3
50	CASH	CASH
51	CASH2	CASH2
52	FS SALE	FSSALE
53	RA	***RA
54	RA2	***RA2
55	PO	***PO
56	PO2	***PO2
57	CHECK CASHING	CA/CHK
58	CHECK CHANGE	CHK/CG
59	FS CHANGE	FS/CG
60	CONVERSION 1	CONV 1
61	CONVERSION 2	CONV 2
62	CONVERSION 3	CONV 3
63	CONVERSION 4	CONV 4
64	FS IN DRAWER	FS/ID
65	GROSS CHARGE 1	CHARGE1
66	REFUND CHARGE 1	CHARGE1—
67	GROSS CHARGE 2	CHARGE2
68	REFUND CHARGE 2	CHARGE2—
69	GROSS CHARGE 3	CHARGE3
70	REFUND CHARGE 3	CHARGE3—
71	GROSS CHARGE 4	CHARGE4
72	REFUND CHARGE 4	CHARGE4—
73	GROSS CHARGE 5	CHARGE5
74	REFUND CHARGE 5	CHARGE5—
75	GROSS CHARGE 6	CHARGE6
76	REFUND CHARGE 6	CHARGE6—
77	GROSS CHARGE 7	CHARGE7
78	REFUND CHARGE 7	CHARGE7—
79	GROSS CHARGE 8	CHARGE8
80	REFUND CHARGE 8	CHARGE8—
81	CHECK	CHECK
82	CASH + CHECK IN DRAWER	CA + CK ID
83	CASH IN DRAWER	***CID
84	GROUP1	GROUP01
85	GROUP2	GROUP02
86	GROUP3	GROUP03
87	GROUP4	GROUP04
88	GROUP5	GROUP05

89	GROUP6	GROUP06
90	GROUP7	GROUP07
91	GROUP8	GROUP08
92	GROUP9	GROUP09
93	(+) DEPT TOTAL	*DEPT TL
94	(-) DPT TOTAL	DEPT (-)
95	BR (+) DPT TOTAL	*BTTL TL
96	BR (-) DPT TOTAL	BTTL (-)
97	HASH (+) DPT TOTAL	*HASH TL
98	HASH (-) DPT TOTAL	HASH (-)
99	SUBTOTAL	SUBTOTAL
100	MDS SBTL	MDST ST
101	TOTAL	***TOTAL
102	CHANGE	CHANGE
103	TRAY TOTAL	TRAY TL
104	FS SBTL	FS ST
105	FS TEND	FS TEND
106	FS CHANGE	FS CG
107	ITEMS	ITEMS
108	COPY	COPY

[JOB#2315]

MISC KEY PROGRAMMING (item %/subtotal %)



XXX: Function No.

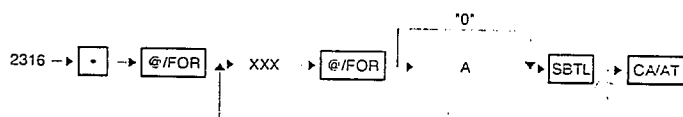
A: Item %/Subtotal % = 1/0

MRS. 0

Function No.	Function	Remarks
5	%1	
6	%2	
7	%3	
8	%4	

[JOB#2316]

MISC KEY PROGRAMMING (item ⊖/SBTL ⊖)

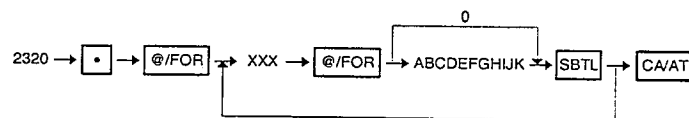


XXX: Function No.

A: Item (store coupon) ⊖/SBTL (Vender coupon) ⊖/1/0

Function No.	Function	Remarks
1	⊖1	
2	⊖2	
3	⊖3	
4	⊖4	

MEDIA KEY PROGRAMMING



XXX: Function No.

Function No.	Function	A	B	C	D	E	F	G	H	I	J	K
50	CA1	X	O	O	X	O	O	O	O	O	O	O
51	CA2	X	O	O	X	O	O	O	O	O	O	O
65	CH1	X	O	O	O	O	O	O	O	O	O	O
67	CH2	X	O	O	O	O	O	O	O	O	O	O
69	CH3	X	O	O	O	O	O	O	O	O	O	O
71	CH4	X	O	O	O	O	O	O	O	O	O	O
73	CH5	X	O	O	O	O	O	O	O	O	O	O
75	CH6	X	O	O	O	O	O	O	O	O	O	O
77	CH7	X	O	O	O	O	O	O	O	O	O	O
79	CH8	X	O	O	O	O	O	O	O	O	O	O
81	CHK	X	O	O	O	O	O	O	O	O	O	O

* Items marked with on (O) are programmable.

A: (Not used)

B: Footer print

Yes/No.

1/0

C: Non-add code entry

compulsory/non-compulsory

1/0

D: Change due

Disable/Enable

1/0

E: VP

compulsory/non-compulsory

1/0

F: Taxable 4 delete

Yes/No

1/0

G: Taxable 3 delete

Yes/No.

1/0

H: Taxable 2 delete

Yes/No.

1/0

I: Taxable 1 delete

Yes/No.

1/0

J: Drawer opening

No./Yes

1/0

K: Entry of amount

compulsory/noncompulsory

1/0

tendered

(Cash, Check)

compulsory/inhibit

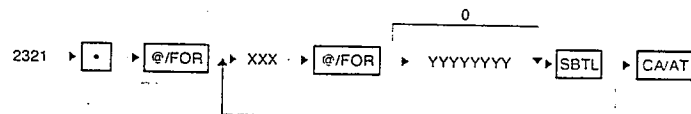
1/0

(CH1 to 8)

MRS = 0

[JOB#2321]

MEDIA KEY FUNCTION PROGRAM (AMOUNT HALO)



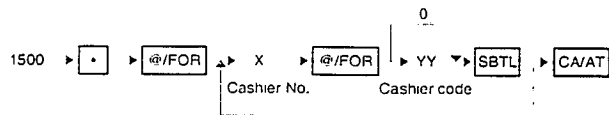
XXX:

Function No.

Func. No.	Function	Entry range	Remarks
83	CID (Sentinel)	0 to 9999999.99	
58	CHK CHANGE	0 to 999999.99	
57	CA/CHK		

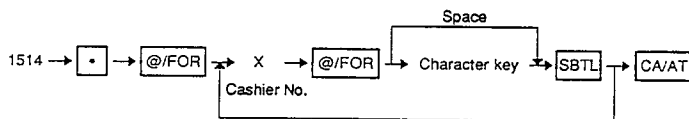
YYYYYYYY: Limitation amount

[JOB#1500]
CASHIER CODE PROGRAMMING



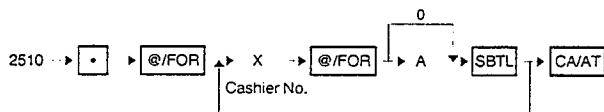
X: Cashier number = 1 ~ 4
YY: Cashier code = 00 ~ 99
MRS = 01;A, 02;B, 03;D, 04;E

[JOB#1514]
CASHIER NAME PROGRAMMING



X: Cashier No. = 1 ~ 4
Characters can be entered by using character keys or numeric keys.
The key entry sequence for entering one character by numeric keys is as follows:
XXX → 00 KEY XXX: Character code (3 digits)
Please refer to section 3.
Max. 8 characters
Mrs = Space

[JOB#2510]
CASHIER DRAWER ASSIGNMENT



X: Cashier No. = 1 ~ 4
A: Drawer No. = 1 ~ 4
No drawer = 0

MRS = 1

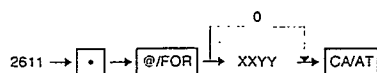
[JOB#2610]
DATE SETTING



XXYYZZ: Date (Year-Month-Day/Day-Month-Year/Month-Day-Year)
* The date entry format complies with the applicable SRV-mode programming.

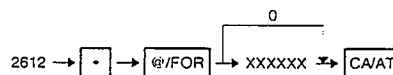
MRS = 010100

[JOB#2611]
TIME SETTING



XX: Hour (00 ~ 23)
YY: Minute (00 ~ 59)

[JOB#2612]
MACHINE NUMBER SETTING



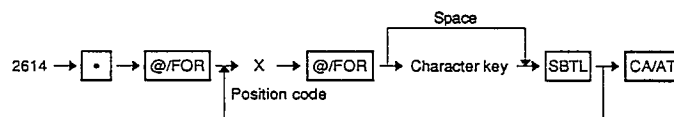
XXXXXX: Machine number (0 ~ 999999)
MRS = 0

[JOB#2613]
CONSECUTIVE NUMBER SETTING



XXXX: Consecutive number (0000 ~ 9999)
MRS = 0000

[JOB#2614]
LOGO TEXT PROGRAMMING



X: 1 ~ 6	1	(21 char.)
	2	(21 char.)
	3	(21 char.)
	4	(21 char.)
	5	(21 char.)
	6	(21 char.)

Character can be entered by using character keys or numeric keys.
The key entry sequence for entering one character by numeric keys is as follows:

XXX → 00 Key XXX: Character code (3 digits)
Please refer to section 3.

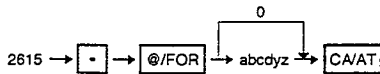
MRS =

SHARP
IS
THE BEST
YOUR
RECEIPT
THANK YOU

Note: This programming is related to JOB#912D programming. Only when "6-line header instead of a stamp" is selected by JOB#912D programming, all 6 lines are programmable.
When "3-line header instead of a stamp" is selected, upper 3 lines (1st-3rd line) are programmable.
When "stamp and 3-line footer" is selected, lower 3 lines (4th-6th line) are programmable.
When "stamp only" is selected, no line is programmable.

[JOB#2615]

PROGRAMMING OF TRAY ST LINE FEEDS AND NO. OF TIMES OF VALIDATION PRINTING.

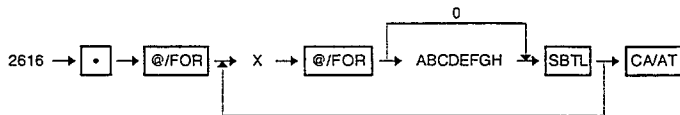


a, b, c, d: Not used (Fixed at "0000")
 Y: No. of times of validation printing = 0 ~ 9
 Z: Number of line feeds after depression = 0 ~ 9
 of TRAY ST key

MRS = 009910

[JOB#2616]

OPTIONAL FEATURE



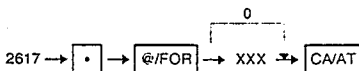
X : 1 MRS = 00000000
 A: OP X/Z report Disable/Enable 1/0
 B: PO operation in REG mode Disable/Enable 1/0
 C: Refund type of sale function in REG mode Disable/Enable 1/0
 D: "RFND" key entry on REG mode Disable/Enable 1/0
 E: Direct void function in REG mode Disable/Enable 1/0
 F: Indirect void in REG mode Disable/Enable 1/0
 G: Subtotal void in REG mode Disable/Enable 1/0
 H: Refund VP Compulsory/Noncompulsory 1/0

X : 2 MRS = 00000000
 A: The first item direct void Disable/Enable 1/0
 B: PLU level shift system Manual/Auto 1/0
 C: PLU level shift system MGR/MGR® 1/0
 D: Printing of the number of purchases Yes/No. 1/0
 E: Time print No./Yes 1/0
 F: Journal select/Full print 1/0
 G: Item VP Disable/Enable 1/0
 H: Coupon VP Compulsory/noncompulsory 1/0

X : 3 MRS = 00000000
 A: Not used 0
 B: Not used 0
 C: Zero skip in cashier report No/Yes 1/0
 D: Zero skip in transaction report No/Yes 1/0
 E: Zero skip in DEPT. report No/Yes 1/0
 F: Zero skip in PLU report No/Yes 1/0
 G: Zero skip in hourly report No/Yes 1/0
 H: Zero skip in Daily net report No/Yes 1/0

[JOB#2617]

PROGRAMMING OF THE TIME INTERVAL FOR THE TILL TIMER

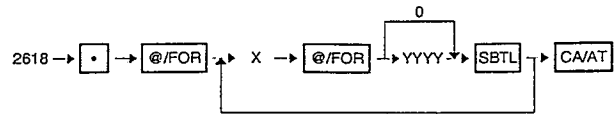


XXX: 0 ~ 255 sec

MRS = 000

[JOB#2618]

SCARE TARE TABLE PROGRAMMING



MRS = 000

X: Table No. (1 to 9)
 YYYY: Weight (0 to 99.99)

[JOB#2619]

HOURLY REPORT (Starting time)



a: Memory format: 15 minutes (12 hours)/30 minutes (24 hours)
 = 1/0
 bb: Starting time (hour): 00 ~ 23
 ex)
 Case 1.



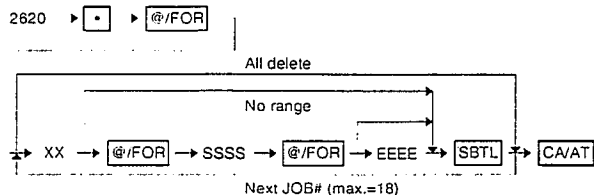
X1 Hourly report (#160) (15 min, start time = 7)

#160	
7:00	
(DATA)	
7:15	
(DATA)	
7:30	
(DATA)	
7:45	
(DATA)	
SUBTOTAL	
(DATA)	
18:45	
(DATA)	
SUBTOTAL	
(DATA)	
:	
(DATA)	

12 hours started from 7:00

Data out of range (19:00 to 6:59)

[JOB#2620]
STACK REPORT

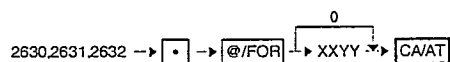


XX: JOB#
SSSS: Start code
EEEE: End code

JOB#	Report name	Type
00	Genera	RANGE
10	DEPT.	
13	DEPT. All group	
20	PLU	
30	Transaction	
31	CID	RANGE (only X report)
50	All cashier	
60	Hourly	
70	Daily net	
05	IRC general	
15	IRC DEPT.	RANGE
18	IRC All group	
25	IRC PLU	
35	IRC Transaction	
36	IRC CID	
55	IRC All cashier	
65	IRC Hourly	
75	IRC Daily net	

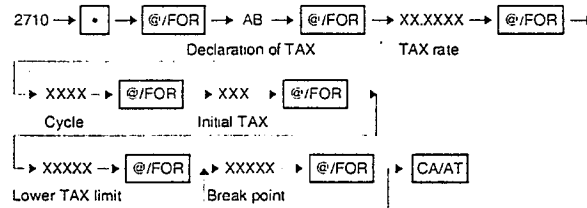
[**]
Max 70 steps are programmable. "1 step" means the memory size used for one no-range type JOB#.
The range type JOB# means "6 steps".
For example)
The memory size for programming JOB#00, 20 and 50 is 8 steps. (ie. 1 step for JOB#00, 6 step for JOB#20, and 1 step for JOB#50.)

[JOB#2630, 2631, 2632]
SECRET CODE PROGRAMMING



#2630: PGM1 mode
#2631: X1/Z1 mode
#2632: X2/Z2 mode and AUTO key programming
* If "0" is entered, "compulsory secret code entry" is canceled.
MRS = 0

[JOB#2710]
TAX TABLE PROGRAMMING

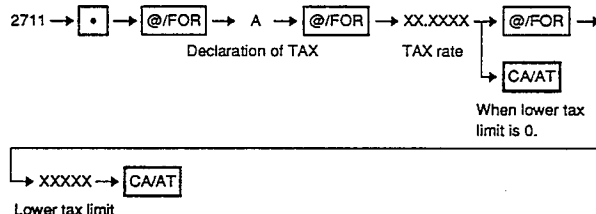


72 BREAKPOINTS CAN BE PROGRAMMED FOR EACH TAX-TABLE. (Case of interval between break point is 1 dollar or more, 36 breakpoints is programmed for each table.)

* DEPRESSION OF THE SBTL KEY AT THE FOLLOWING POINTS MEANS A TAX TABLE DELETE OPERATION.

A: INTERVAL BETWEEN BREAKPOINTS IS = 1
1 DOLLAR OR MORE
INTERVAL BETWEEN BREAKPOINTS IS = 0
BELOW 1 DOLLAR
B: TABLE 1 PROGRAMMING = 1
TABLE 2 PROGRAMMING = 2
TABLE 3 PROGRAMMING = 3
TABLE 4 PROGRAMMING = 4
MRS = NO TAX

[JOB#2711]
TAX TABLE PROGRAMMING



* DEPRESSION OF THE SBTL KEY AT FOLLOWING POINTS PERFORM A TAX TABLE DELETE OPERATION.

A: TAX 1 PROGRAMMING = 1
TAX 2 PROGRAMMING = 2
TAX 3 PROGRAMMING = 3
TAX 4 PROGRAMMING = 4
%TAX RATE 0.0000 to 99.9999 %
LOWER TAX LIMITATION max. 999.99
(This is invalid in VAT system.)
MRS = 0

(This JOB must be performed at X2/Z2 mode position.)

- This machine has [AUTO] key which can be programmed by the following key-sequence.
- When [AUTO] key is depressed, the machine works the same as the programmed key-sequence programmed.

$$\downarrow$$

$$(X_2/Z_2)$$

(REG)

 (X_2/Z_2)

(REG)

[JOB#2910, 2911]

TRAINING MODE START (#2910), END (#2911)

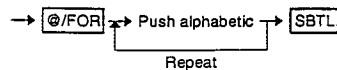
<Training mode>

- All operation is same as REG-mode operation.
- In the training mode, the consecutive number is printed as same number on receipt/journal printer and slip printer.
- In the training mode, the consecutive number is counted up.

3. Character assignment method

~ Using alphabetic assignment method ~

The ER-A550 has two kinds of method at character assignment.
One is to use alphabetic assigned key and other one is to use ten keys.



Programming key layout (ER-A550)

① Normal character

↑ RECEIPT	↑ JOURNAL														
							Ñ					[	]		
					!	!!	←	→	◀	▶	↑	↓	-	¿	?
			{	}	"	@	•	'		<	>	^	=	+	(BACK SPACE)
			(DC)	i	!		§	\$	%	¢	&	(	)	*	#
		@/FOR	•	CL	1	2	3	4	5	6	7	8	9	0	
1		7	8	9	Q	W	E	R	T	Y	U	I	O	P	
2		4	5	6	A	S	D	F	G	H	J	K	L		
3		1	2	3		Z	X	C	V	B	N	M	;	:	/
4		0	00	000	ST	TL	(SPACE)	(SPACE)	(SPACE)	(SPACE)	(SPACE)	(SHIFT)	,	.	-

② Small character

*: This character is small character.

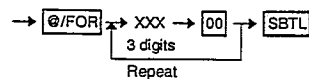
When the 'SHIFT' key is depressed, this small character be preset.

↑ RECEIPT	↑ JOURNAL														
							ñ*					[	]		
					!	!!	←	→	◀	▶	↑	↓	-	¿	?
			{	}	"	@	•	'		<	>	^	=	+	(BACK SPACE)
			(DC)	i	!		§	\$	%	¢	&	(	)	*	#
		@/FOR	•	CL	1	2	3	4	5	6	7	8	9	0	
1		7	8	9	q*	w*	e*	r*	t*	y*	u*	i*	o*	p*	
2		4	5	6	a*	s*	d*	f*	g*	h*	j*	k*	l*		
3		1	2	3		z*	x*	c*	v*	b*	n*	m*	;	:	/
4		0	00	000	ST	TL	(SPACE)	(SPACE)	(SPACE)	(SPACE)	(SPACE)	(SHIFT)	,	.	-

• The symbols the area  is not used for character keys.

• (DC): double size character code

~ Using ten key ~



Note: [00] key is used to enter each 3 digit alpha code.

CODE TABLE FOR ALPHA DESCRIPTOR PROGRAMMING

CODE	CHARACTER	CODE	CHARACTER	CODE	CHARACTER	CODE	CHARACTER
032		060	<	088	X	116	t
033	!	061	=	089	Y	117	u
034	"	062	>	090	Z	118	v
035	#	063	?	091	Ä	119	w
036	\$	064	@	092	Ö	120	x
037	%	065	A	093	Ü	121	y
038	&	066	B	094	^	122	z
039	'	067	C	095	_	123	{
040	(	068	D	096	`	124	
041	)	069	E	097	a	125	}
042	*	070	F	098	b	126	ß
043	+	071	G	099	c	127	ç
044	,	072	H	100	d	128	!!
045	-	073	I	101	e	129	1
046	.	074	J	102	f	130	2
047	/	075	K	103	g	131	3
048	0	076	L	104	h	132	4
049	1	077	M	105	i	133	½
050	2	078	N	106	j	134	F _T
051	3	079	O	107	k	135	←
052	4	080	P	108	l	136	→
053	5	081	Q	109	m	137	∞
054	6	082	R	110	n	138	∞
055	7	083	S	111	o	139	◀
056	8	084	T	112	p	140	▶
057	9	085	U	113	q	141	F
058	:	086	V	114	r	142	T
059	;	087	W	115	s	251	DC

DC: DOUBLE CODE

Fig. 7-2

CHAPTER 3. OP X/Z, X1/Z1, X2/Z2 MODE

The following categories of reports can be printed by the ECR.

- 1) OP X/Z reports (clerk/cashier reports)
- 2) X1/Z1 reports (Daily sales total X and Z reports)
- 3) X2/Z2 reports (Periodic total X and Z reports)

To print reports, use the following key entry sequence



XZ MODE JOB# LIST

REPORT NAME	MODE *1							*3 JOB#	DATA FOR READING	NOTE
	OP X/Z		X1/Z1		X2/Z2					
	X	Z	X1	Z1	X2	Z2				
GENERAL			○	○	○	○		00	---	
DEPT			○		○			10	---	
IND. GROUP			○		○			12	GROUP No	
GROUP TOTAL			○		○			13	---	
PLU BY RANGE			○	○				20	PLU CODE	*2
PLU BY DEPT			○					21	DPT CODE	
TRANSACTION			○		○			30	---	
CID			○					31	---	ALL CASHIER
ALL CASHIER			○	○	○	○		50	---	
IND. CASHIER	○	○	○	○	○	○		51	---	CASHIER KEY
HOURLY(ALL) (RANGE)			○	○				60		
			○					60	*2	
DAILY NET					○	○		70		
STACKED REP			○	○	○	○		90		

- *1 X1: Daily X report Z1: Daily Z report
X2: Periodic X report Z2: Periodic Z report
- *2 The time interval range, or PLU code range can be specified by entering the start and end numbers according to the following procedure. When specifying a single time interval, PLU code, the start number has only to be entered.
[XXXX] → [@/FOR] → [XXXX]
Start no. End no.
- *3 When 2 is entered in the third digit of a job code, periodic reports are printed.
Example: Daily general report; job code 100
Periodic general report; job code 200

- An individual report is printed on the receipt and journal when the CA/AT key is pressed.
- Pressing the decimal point key just after the entry of a job code clears the corresponding data in the ECR. (Z report)
(When printing those reports for which no Z reports can be taken, the decimal point key cannot be pressed after the entry of a job code.)
- When the decimal point key is not pressed after the entry of a job code, the corresponding data is held in the ECR. (X report)

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