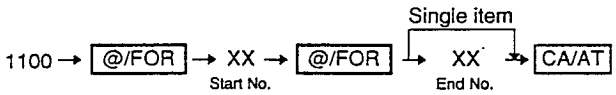
CHAPTER 2. PROGRAM (PGM2/PGM1) MODE

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

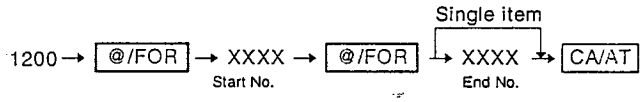
A: (Not used)	0
B: Item vp compulsory/noncompulsory	1/0
C: Tare table No.	1 to 9/0
D: Scale entry Allowed/Inhibited	1/0
E: SIF/SICS/Normal	2/1/0
F: Bottle return/HASH/Normal	2/1/0
G: Amount entry type Open and preset/preset/open/inhibited	3/2/1/0

(*2) PRINT STATION (Option)

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

[JOB#1200]: PLU reading

Key operation



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 Q'TY
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

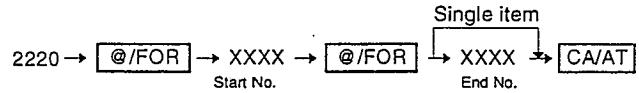
(*2) PROGRAM : ABC

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 = (PLU) (SUB-dept)	3/2/1/0

[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 P1002 P1003	PLU CODE/LINK PLU CODE (MAX 5)

SET MENU PRESET OR READING

Key operation

2221 → [@/FOR] → XXXX → [@/FOR] → XXXX → [CA/AT]

Start No. / End No. / Single item

```
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
I              -1000.00
       FT1234       L17
F02    ( — )2
S              -2000.00
       FT1234       L17
         ¦
F05 % 1
I              -10.00%
       FT1234 L 20.00%
F06 % 2
S              -20.00%
       FT1234 L 30.00%
         ¦
         ¦
F28 M-TAX          L18
         ¦
         ¦
F50 C ASH          L18
          00000000000
         ¦
F57 CA/CHK         L18
          999999.99
F58 CHK/CG         L18
          999999.99
         ¦
F60 CONV.1         L18
          999999.99
         ¦
F83 ****CID
          999999.99
         ¦
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)

(*1) PGM

HALO

HALO

RATE

SENTINEL

(*1) 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/noncompulsoly (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		DATE (MM/DD/YY)/TIME
123456#0123		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 in REG mode	Disable/Enable	1/0
D:	"REFND" key entry in REG mode	Disable/Enable	1/0
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 mode	Disable/Enable	1/0
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&REG	1/0
D:	Printing of the number of purchases	Yes/No.	1/0
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		DATE (MM/DD/YY)/TIME
123456#0123		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		DATE (MM/DD/YY)/TIME
123456#0123		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]

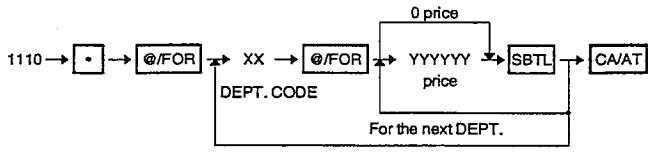
STAMP	
07/31/92 12:34PM	DATE (MM/DD/YY)/TIME
123456#0123	MACHINE NO./CC-NO.
#2700 *PGM2*	JOB CODE/MODE TITLE
TAX1 10.0000%	TABLE NO./RATE
/. 1.00	CYCLE
1 0.11	TAX./BREAK POINT AMOUNT
2 0.23	
3 0.57	
4 0.78	
5 1.11	
TAX2 4.0000%	TABLE NO. / RATE
0.10	LOWER TAX LIMIT
TAX3 5.0000%	
0.20	
TAX4 6.0000%	
0.30	

[JOB#2119]
DIRECT KEY READING REP.
Key operation

2119 → [@/FOR] → [CA/AT]

STAMP	
07/31/92 12:34PM	DATE (MM/DD/YY)/TIME
123456#0123	MACHINE NO./CC-NO.
#2119 *PGM2*	JOB CODE/MODE TITLE
001 D01	KEY NO./DEPT CODE OR PLU CODE
002 D02	
051 P0001	
052 P0002	
151 ----	

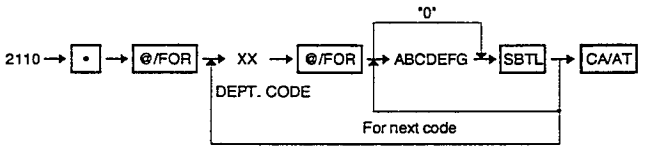
[JOB#1110]
PROGRAMMING OF DEPT. PRICE



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:

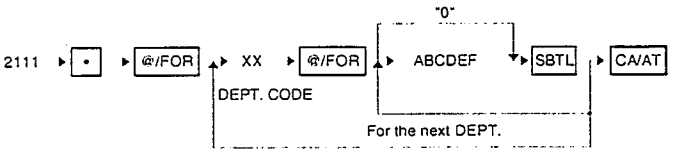
Selection of the group	2110-F
Normal	0
Hash	1
Bottle return	2

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

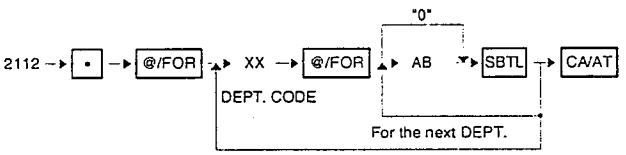


XX: DEPT. CODE = 01 ~ 99

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

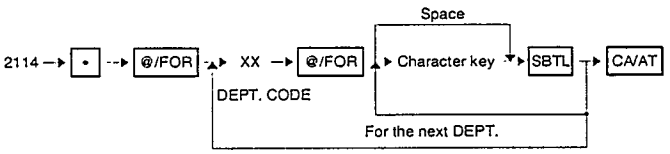


XX: DEPT. CODE = 01 ~ 99
A: Mantissa = 1 ~ 9
B: Exponent = 0 ~ 7

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

MRS = 17

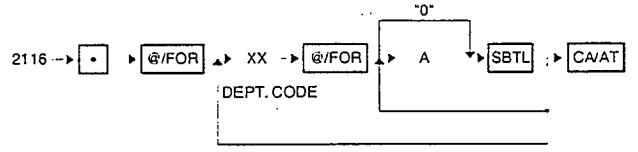
[JOB#2114]
DEPT. TEXT PROGRAMMING



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

MRS = DPT. XX

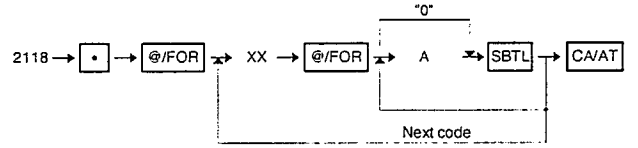
[JOB#2116]
PROGRAMMING OF DEPT: GROUP



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

MRS = 00

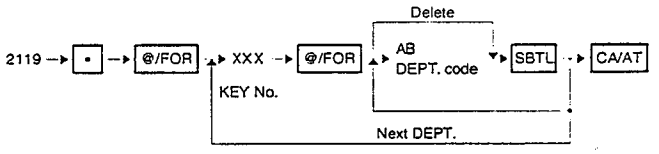
[JOB#2118]
PRINT STATION PROGRAMMING



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

MRS = 0

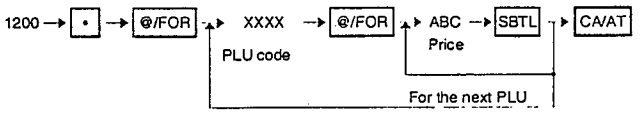
[JOB#2119]
LINK NUMBER PROGRAMMING FOR DIRECT DEPT. KEYS



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.



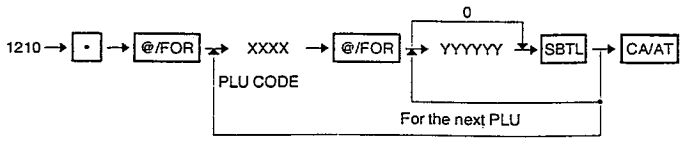
XXXX: PLU CODE = 01 ~ 9999
AB: DEPT. code = 0 ~ 99

C:

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

MRS = 02

PRICE PROGRAMMING FOR PLUS



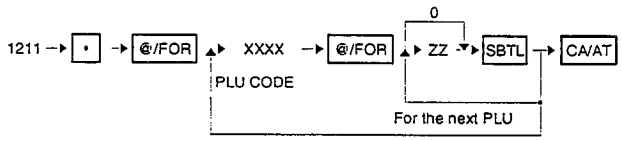
XXXX: PLU CODE = 01 ~ 9999
YYYYYY: Amount = 0 ~ 999999

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

MRS = 000000

[JOB#1211]

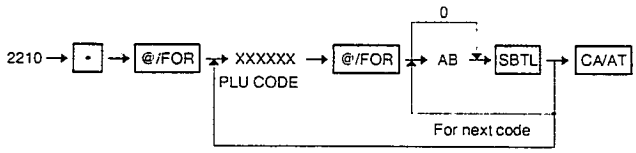
PLU base Q'TY PROGRAMMING



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:

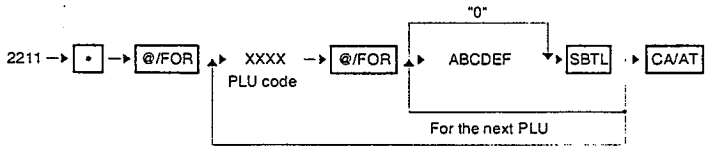
Tare table number	A
No tare function	0
1 ~ 9	1 ~ 9

B:

Scale	B
Inhibit	0
Enable	1
Compulsory	2

MRS = 000000

PLU TAX STATUS PROGRAMMING

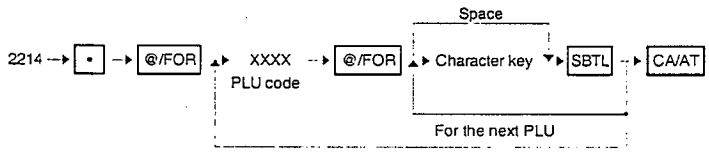


XXXX: PLU code = 01 ~ 9999

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

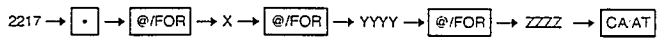
[JOB#2214]



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

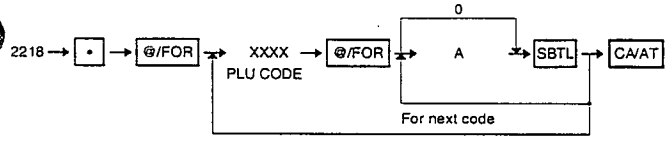
[JOB#2217]



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]

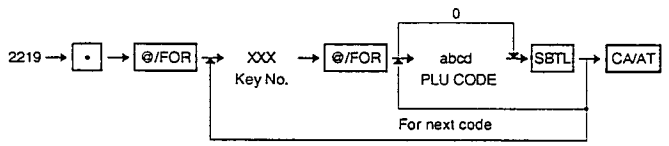
PRINT STATION PROGRAMMING



XXXX: PLU code = 01 ~ 9999
A: Receipt = 2 (chit receipt)
Kitchen printer = 1
No output = 0
MRS = 0

[JOB#2219]

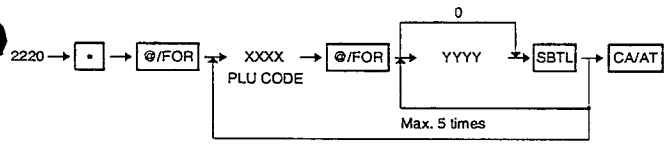
DEPARTMENT CODE DEFINITION FOR DIRECT PLU KEYS



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

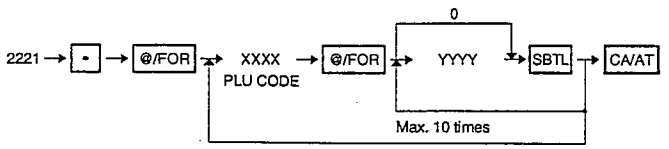
When the "SBTL" key is depressed without entering any number in (YYYY), there is no link.

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

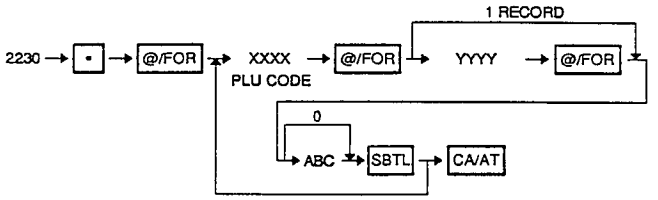
When the "SBTL" key is depressed without entering any number in (YYYY), no promo is assigned.

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]

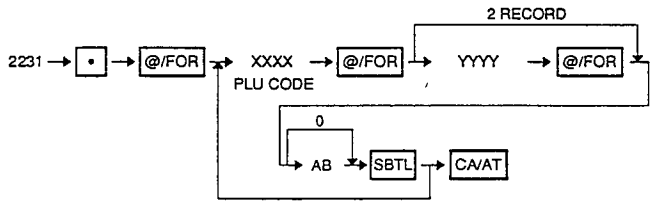
PLU CODE PROGRAMMING (range)



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]

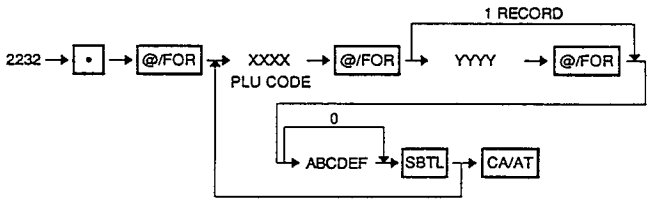
PLU FUNCTION PROGRAMMING (RANGE)



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)

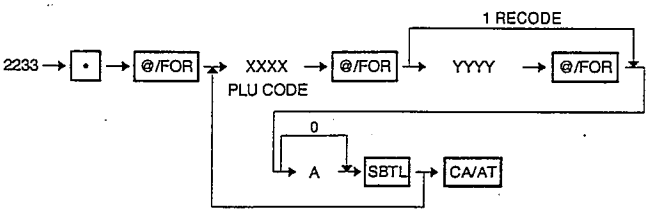


XXXX: Start PLU code = 1 ~ 9999
YYYY: End PLU code = 1 ~ 9999

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

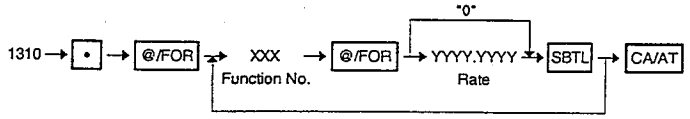
[JOB#2233]

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



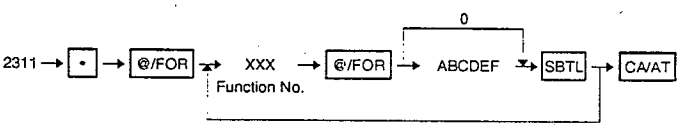
RATE PROGRAMMING

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.

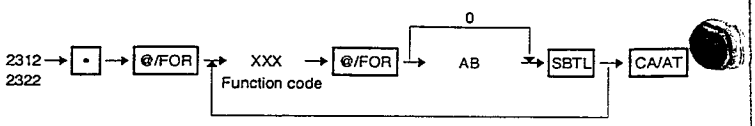
Function No.	Function
1	(–)1
2	(–)2
3	(–)3
4	(–)4
5	%1
6	%2
7	%3
8	%4

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.

HALO, TABLE NO.



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
	55, 56	PO, PO2	the range from 0 to 8.
2322	50	CA1	
	51	CA2	Item B can be specified within
	81	CHK	range from
	65	CH1	0 to 8.
	67	CH2	0 to 8.
	69	CH3	0 to 8.
	71	CH4	0 to 8.
	73	CH5	0 to 8.
	75	CH6	0 to 8.
	77	CH7	0 to 8.
	79	CH8	0 to 8.

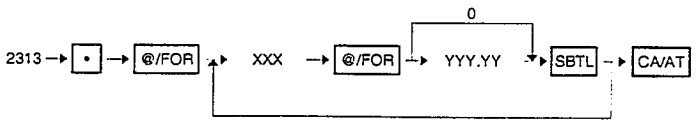
Entry range, system: $(10 \times A)^B$

MRS = 17 for the functions (–) and tax an
= 18 for other functions than (–) and tax

[JOB#2313]

MISCELLANEOUS KEY PROGRAMMING (% HALO)

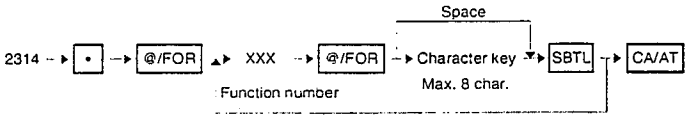
XXX: Function No.



YYYYY: % HALO

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

[JOB#2314]
TEXT PROGRAMMING FOR MISC KEYS



XXX: FUNCTION CODE

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

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

Please refer to section 3

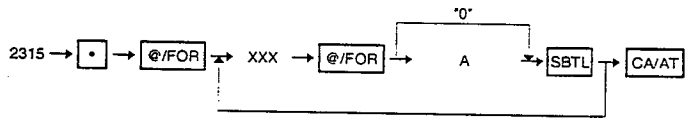
FUNCTION LIST

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
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

		TEXT
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 %)



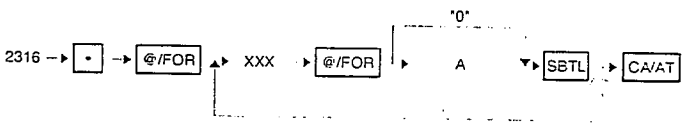
XXX: Function No.
A: Item %/Subtotal % = 1/0

MRS. 0

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

[JOB#2316]

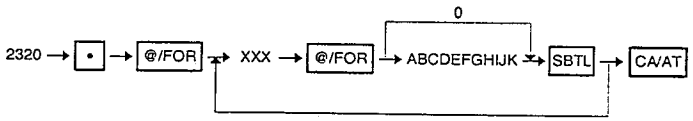
MISC KEY PROGRAMMING (item ⊖/SBTL ⊖)



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	×	○	○	×	○	○	○	○	○	○	○
51	CA2	×	○	○	×	○	○	○	○	○	○	○
65	CH1	×	○	○	○	○	○	○	○	○	○	○
67	CH2	×	○	○	○	○	○	○	○	○	○	○
69	CH3	×	○	○	○	○	○	○	○	○	○	○
71	CH4	×	○	○	○	○	○	○	○	○	○	○
73	CH5	×	○	○	○	○	○	○	○	○	○	○
75	CH6	×	○	○	○	○	○	○	○	○	○	○
77	CH7	×	○	○	○	○	○	○	○	○	○	○
79	CH8	×	○	○	○	○	○	○	○	○	○	○
81	CHK	×	○	○	○	○	○	○	○	○	○	○

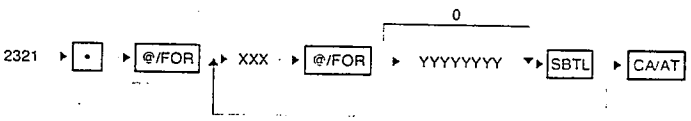
* Items marked with on (O) are programmable.

A: (Not used)		
B: Footer print	Yes/No.	1/0
C: Non-add code entry	compulsory/non-compulsory	1/0
D: Change due	Disable/Enanble	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 tendered	compulsory/noncompulsory (Cash, Check)	1/0
	compulsory/inhibit (CH1 to 8)	1/0

MRS = 0

[JOB#2321]

MEDIA KEY FUNCTION PROGRAM (AMOUNT HALO)

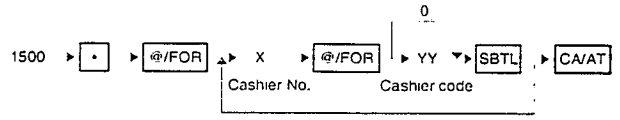


XXX: Function No.

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

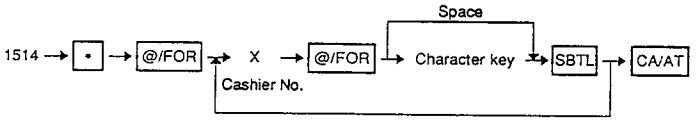
[JOB#1500]
CASHIER CODE PROGRAMMING



X: Cashier number = 1 ~ 4
YY: Cashier code = 00 ~ 99

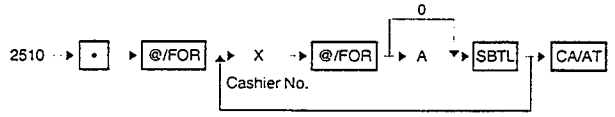
MRS = 01;A, 02;B, 03;D, 04;E

[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

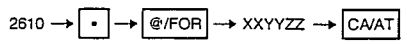
[JOB#2510]
CASHIER DRAWER ASSIGNMENT



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

MRS = 1

[JOB#2610]
DATE SETTING

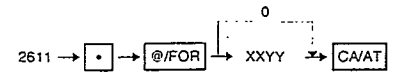


XXYYZZ: Date (Year-Month-Day/Day-Month-Year/Month-Day-Year)

* The date entry format complies with the applicable SRV-mode programming.

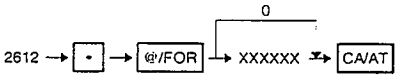
MRS = 010100

[JOB#2611]
TIME SETTING



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

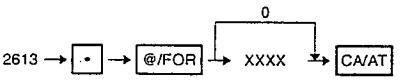
[JOB#2612]
MACHINE NUMBER SETTING



XXXXXX: Machine number (0 ~ 999999)

MRS = 0

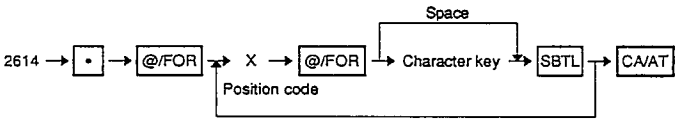
[JOB#2613]
CONSECUTIVE NUMBER SETTING



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.

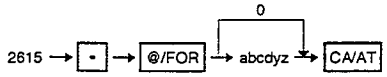
MRS =

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.

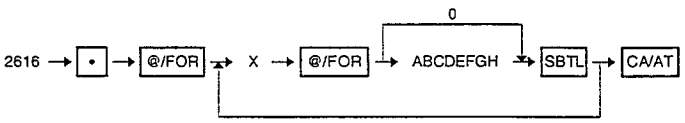


a, b, c, d: Not used (Fixed at "0000")
Y: No. of times of validation printing = 0 ~ 9
Z: Number of line feeds after depression of TRAY ST key = 0 ~ 9

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

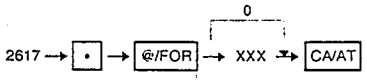
A:	The first item direct void	Disable/Enable	1/0
B:	PLU level shift system	Manual/Auto	1/0
C:	PLU level shift system	MGR/MGR&REG	1/0
D:	Printing of the number of purchases	Yes/No.	1/0
E:	Time print	No./Yes	1/0
F:	Journal select/Full print		1/0
G:	Item VP	Disable/Enable	1/0
H:	Coupon VP	Compulsory/noncompulsory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

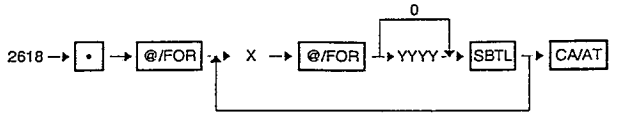


XXX: 0 ~ 255 sec

MRS = 000

[JOB#2618]

SCARE TARE TABLE PROGRAMMING

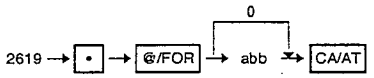


MRS = 000

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

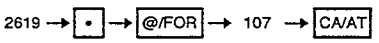
[JOB#2619]

HOURLY REPORT (Starting time)

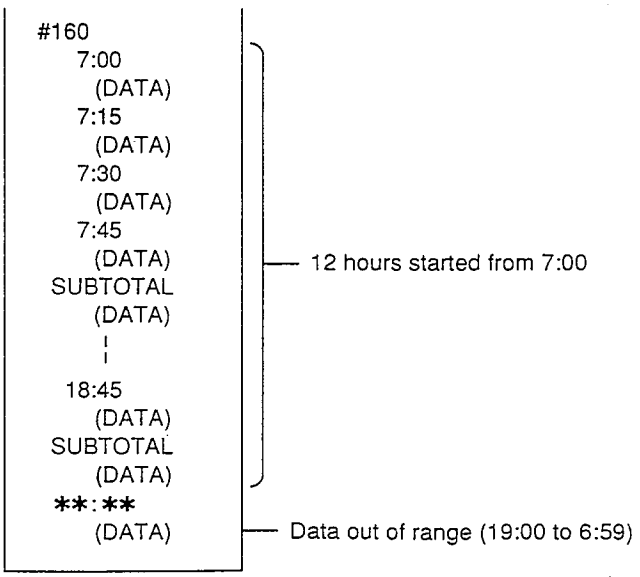


a: Memory format: 15 minutes (12 hours)/30 minutes (24 hours) = 1/0
bb: Starting time (hour): 00 ~ 23

ex)
Case 1.

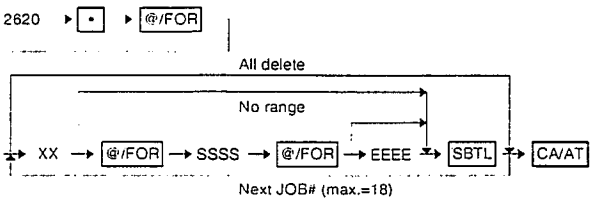


X1 Hourly report (#160) (15 min, start time = 7]



[JOB#2620]

STACK REPORT



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

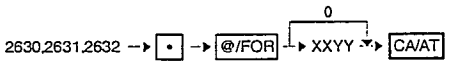
JOB#	Report name	Type
00	Genera	
10	DEPT.	
13	DEPT. All group	
20	PLU	RANGE
30	Transaction	
31	CID	
50	All cashier	
60	Hourly	RANGE
70	Daily net	(only X report)
05	IRC general	
15	IRC DEPT.	
18	IRC All group	
25	IRC PLU	RANGE
35	IRC Transaction	
36	IRC CID	
55	IRC All cashier	
65	IRC Hourly	
75	IRC Daily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



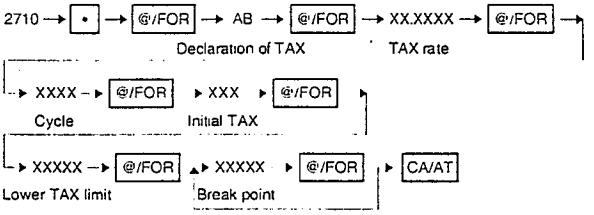
#2630: PGM1 mode
#2631: X1/Z1 mode
#2632: X2/Z2 mode and AUTO key programming

* 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.)

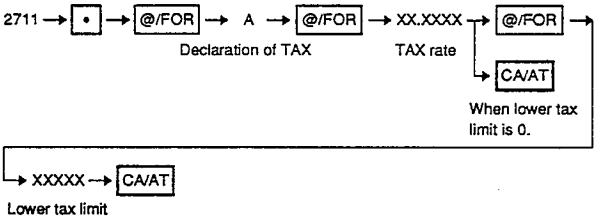
* DEPRESSION OF THE SBTL KEY AT THE FOLLOWING POINTS MEANS A TAX TABLE DELETE OPERATION.

A: INTERVAL BETWEEN BREAKPOINTS IS 1 DOLLAR OR MORE = 1
INTERVAL BETWEEN BREAKPOINTS IS BELOW 1 DOLLAR = 0
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

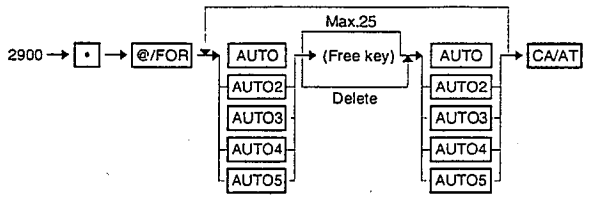
%TAX RATE 0.0000 to 99.9999 %
LOWER TAX LIMITATION max. 999.99
(This is invalid in VAT system.)

MRS = 0

<CAUTION>

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

AUTO KEY SETTING



(Auto key function)

- 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 programed.

<Example>

Mode switch

⇓

(X2/Z2)

2900 → [•] → [@/FOR] → [AUTO] → [PLU1] → 100 → [DEPT2] → [AUTO] → [CA/AT]

(REG)

Key entry	R/J		Display		Comment
[AUTO]					
	PLU0001	$1.10	0001	1.10	Same as [PLU1] entry
				1	Same as 1 entry
				10	Same as 0 entry
				100	Same as 0 entry
	DEPT.02	$1.00	02	1.00	Same as [DEPT2] entry

(X2/Z2)

2900 → [•] → [@/FOR] → [AUTO2] → 100 → [CA/AT] → [AUTO2] → [CA/AT]

(REG)

Key entry	R/J		Display		Comment
[DEPT1]	DEPT.01	$1.00	01	1.00	
[AUTO2]				1	Same as 1 entry
				10	Same as 0 entry
				100	Same as 0 entry
	TOTAL	$10.00		0.00	Same as [CA/AT] entry
		$1.00			
		$0.00			

[JOB#2910, 2911]

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

2910/2911 → [•] → [@/FOR] → [CA/AT]

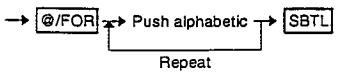
<Training mode>

- 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

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.

~ Using alphabetic assignment method ~



Programming key layout (ER-A550)

① Normal character

↑ RECEIPT	↑ JOURNAL														
								Ñ					[	]	
					!	!!	←	→	◄	►	↑	↓	_	¿	?
			{	}	”	@	••	’		<	>	^	=	+	BACK SPACE
			(DC)	¡	!		§	$	%	¢	&	(	)	*	#
		@/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)	,	.	–

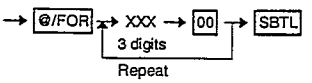
② Small character

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

↑ RECEIPT	↑ JOURNAL														
								ñ*					[	]	
					!	!!	←	→	◄	►	↑	↓	_	¿	?
			{	}	”	@	••	’		<	>	^	=	+	BACK SPACE
			(DC)	¡	!		§	$	%	¢	&	(	)	*	#
		@/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
032	
033	!
034	"
035	#
036	$
037	%
038	&
039	'
040	(
041	)
042	*
043	+
044	,
045	–
046	.
047	/
048	0
049	1
050	2
051	3
052	4
053	5
054	6
055	7
056	8
057	9
058	:
059	;

CODE	CHARACTER
060	<
061	=
062	>
063	?
064	@
065	A
066	B
067	C
068	D
069	E
070	F
071	G
072	H
073	I
074	J
075	K
076	L
077	M
078	N
079	O
080	P
081	Q
082	R
083	S
084	T
085	U
086	V
087	W

CODE	CHARACTER
088	X
089	Y
090	Z
091	Ä
092	Ö
093	Ü
094	^
095	_
096	'
097	a
098	b
099	c
100	d
101	e
102	f
103	g
104	h
105	i
106	j
107	k
108	l
109	m
110	n
111	o
112	p
113	q
114	r
115	s

CODE	CHARACTER
116	t
117	u
118	v
119	w
120	x
121	y
122	z
123	{
124	|
125	}
126	β
127	¢
128	!!
129	1
130	2
131	3
132	4
133	½
134	F_T
135	←
136	→
137	∞
138	∞
139	◀
140	▶
141	F
142	T
251	DC

DC: DOUBLE CODE

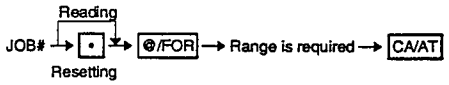
Fig. 7-2

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

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

*1 X1: Daily X report Z1: Daily Z report
X2: Periodic X report X2: 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 enery 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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SHARP CORPORATION
Information Systems Group
Quality & Reliability Control Center
Yamatokoriyama, Nara 639-11, Japan