

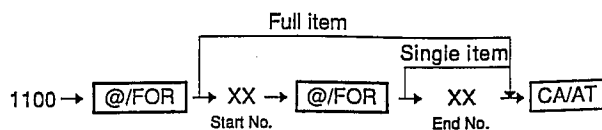
ER-A430

CHAPTER 2. PROGRAM (PGM2/PGM1) MODE

1. Reading of the PGM mode program

[JOB#1100]: DEPT reading

Key operation



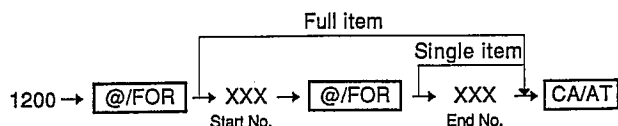
01/02/91 10:30AM	DATE/TIME
123456#0123	MACHINE NO./CC-NO.
#1100 *PGM1 *	JOB CODE/MODE TITLE
D01 -1000.00	DPT CODE/SIGN. PRICE
DPT.01 G01	TEXT/GROUP No.
0003 FT1234 L18	(*) PROGRAM/FS TAXABLE/HALO

(*) PROGRAM : ABCDEFG

A: Item vp compulsory/noncompulsory	1/0
B: SIF/SICS/Normal	2/1/0
C: Bottle return/HASH/Normal	2/1/0
D: Amount entry type	3/2/1/0
Open and preset/preset/open/inhibited	

[JOB#1200]: PLU reading

Key operation



01/02/91 10:30AM	DATE/TIME
123456#0123	MACHINE NO./CC-NO.
#1200 *PGM1 *	JOB CODE/MODE TITLE
P001 (01) /00	Associated
FT1234 -1000.00	PLU CODE/DEPT code/BASE QTY
PLU.001 3	FS. TAXABLE/SIGN. PRICE
	TEXT/(*)PROGRAM
P001 ---	WHEN DELETE PLU

(*) PROGRAM : ABC

A: Amount entry type	
Open and preset/preset/open /inhibited =	3/2/1/0
(PLU) (SUB-dept)	

[JOB#1300]

FUNCTION PRESET READING REP.

Key operation

1300 → @/FOR → CA/AT

01/02/91 10:30AM	DATE/TIME
123456#0123	MACHINE NO./CC-NO.
#1300 *PGM1 *	JOB CODE/MODE TITLE
F001 (-) 1 1	FUNCTION NO. / TEXT / PROGRAM 1: ITEM
1 FT1234 L17	SIGN (1 = (-), 0 = (+)) / FS. TAX / HALO 0: SBTL
F002 (-) 2 0	
0 FT1234 L17	
F003 % 1 1	
-10.00%	RATE
FT1234 L 20.00%	FS. TAX / HALO
F004 % 2 0	
-20.00%	
FT1234 L 30.00%	
F030 M-TAX L18	MANUAL TAX
F052 CASH L18	
0000000000	(*) PGM
F057 CA/CHK	
999999.99	HALO
F058 CHK/CG	
999999.99	HALO
F060 CONV.1	
9999.9999	RATE
F077 ****CID	
9999999.99	SENTINEL
F078 GROUP1	
F079 GROUP2	

(*) PGM : ABCDEFGHIJ

A: Footer print	Yes/No.	1/0
B: Non-add code entry	compulsory/noncompulsory	1/0
C: Change due	Disable/Enable	1/0
D: VP	compulsory/noncompulsory	1/0
E: Taxable 4 delete	Yes/No.	1/0
F: Taxable 3 delete	Yes/No.	1/0
G: Taxable 2 delete	Yes/No.	1/0
H: Taxable 1 delete	Yes/No.	1/0
I: Drawer opening	No./Yes	1/0
J: 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**01/02/91 10:30AM
123456#0123DATE/TIME
MACHINE NO./CC-NO.

#2600 *PGM2*

JOB CODE/MODE TITLE

#2614

LOGO MESSAGE

YOUR
RECEIPT
THANK YOU
SHARP
IS
THE BEST

#2615 1

(*1) VP

#2616

(*2) OPTIONAL FEATURE

1 00000000

2 00000000

3 00000000

#2617 000

TILL TIMER

#2620

STACK REPORT

20

001-100

50

[JOB#2900]

Auto key reading (PGM2 mode position)

Key operation

2900 → **@/FOR** → **CA/AT**01/02/91 10:30AM
123456#0123DATE/TIME
MACHINE NO./CC-NO.

#2900 *PGM2*

JOB CODE/MODE TITLE

#01

1 key

0 key

0 key

CA/AT

#02

DEPT01

DEPT02

(DEPT01)

[JOB#1500]

CASHIER READING REP.

Key operation

1500 → **@/FOR** → **CA/AT**01/02/91 10:30AM
123456#0123DATE/TIME
MACHINE NO./CC-NO.

#1500 *PGM1*

JOB CODE/MODE TITLE

01CSR# 01

CASHIER CODE

CASHIER-A D1

NAME/DRAWER NO.

02CSR# 02

CASHIER-B D1

03CSR# 03

CASHIER-D D1

04CSR# 04

CASHIER-E D1

(*1) VP : a

a: NO. OF TIMES OF VALIDATION PRINTING = 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: 0 fixed 0

C: 0 fixed 0

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

E: Time print No/Yes 1/0

F: Journal select/Full print Disable/Enable 1/0

G: Item VP Disable/Enable 1/0

H: Coupon VP Compulsory/Noncompulsory 1/0

x : 3

A: 0 fixed 0

B: 0 fixed 0

C: 0 fixed 0

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

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

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

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

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

[JOB#2700]**TAX TABLE READING REP.**

Key operation

2700 → **@/FOR** → **CA/AT**

01/02/91	10:30AM
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/TIME
MACHINE NO./CC-NO.

JOB CODE/MODE TITLE

CYCLE
TAX./BREAK POINT AMOUNTKIND OF VAT/TAX/ RATE
LOWER TAX LIMIT

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

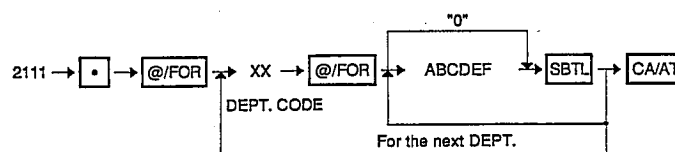
C: Selection of the group	2110-C
Normal	0
Hash	1
Bottle return	2

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

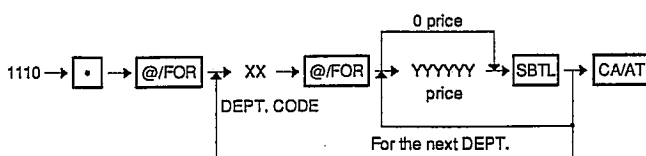
MRS = 0001

[JOB#2111]

DEPT. TAX STATUS AND SIGN PROGRAMMING

**2. Programming****[JOB#1110]**

PROGRAMMING OF DEPT. PRICE



XX: DEPT-CODE = 01 ~ 40

YYYYYY: PRICE = 0 ~ 999999

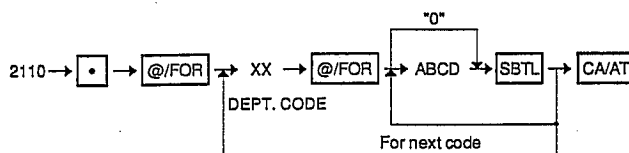
Preset price is max. 6 digits.

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 ~ 40

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

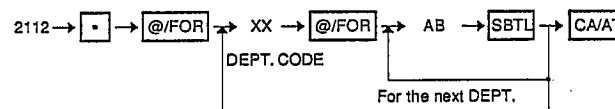
XX: DEPT. CODE = 01 ~ 40

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 ~ 40

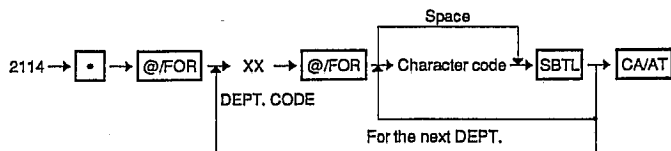
A: Mantissa = 1 ~ 9
B: Exponent = 0 ~ 7

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

MRS = 17

[JOB#2114]

DEPT. TEXT PROGRAMMING

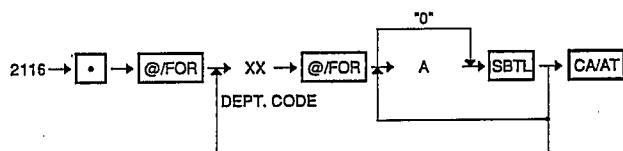


Characters can be entered by using numeric keys.
Please refer to section 3.

MRS = DPT.XX

[JOB#2116]

PROGRAMMING OF DEPT. GROUP



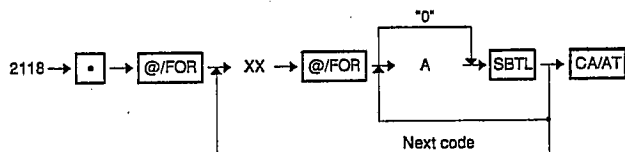
XX: DEPT. code = 01 ~ 40

A: Group number = 0 ~ 9

MRS = 0

[JOB#1200]

Creating/Assigning PLUs and the associated departments.



XXX: PLU CODE = 001 ~ 999

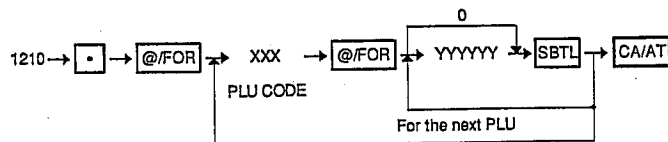
AB: DEPT. code = 0 ~ 40 (0 can be entered only when C = 4.)

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

MRS = 012

[JOB#1210]

PRICE PROGRAMMING FOR PLUS



XXX: PLU CODE = 001 ~ 999

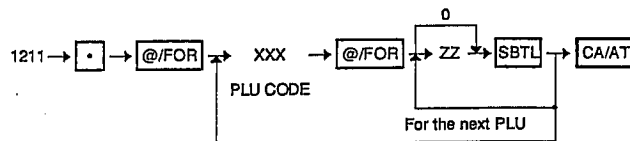
YYYYYY: Amount = 0 ~ 999999

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

MRS = 000000

[JOB#1211]

PLU base Q'TY PROGRAMMING



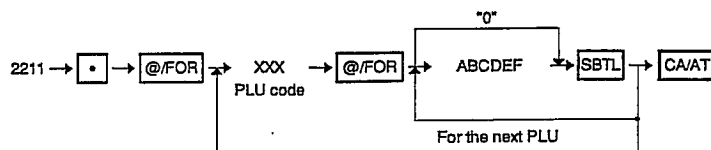
XXX: PLU code = 001 ~ 999

ZZ: Base quantity = 00 ~ 99

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

[JOB#2211]

PLU TAX STATUS PROGRAMMING



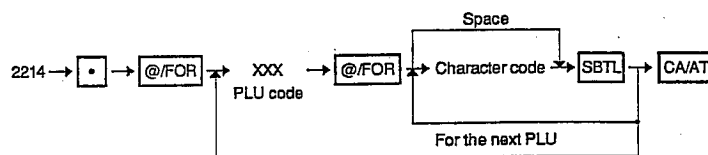
XXX: PLU code = 001 ~ 999

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

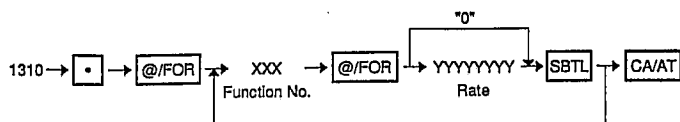
[JOB#2214]

PLU TEXT PROGRAMMING



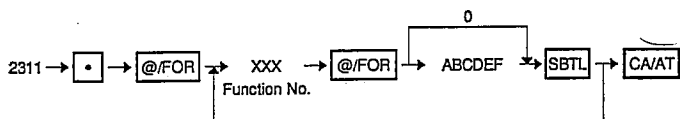
Characters can be entered by using numeric keys.
Please refer to section 3.

MRS = PLU-XXX

[JOB#1310]**RATE PROGRAMMING****RATE PROGRAMMING**

Function No.	Function	Entry range	Remarks
3	%1	0 to 100.00	% rate
4	%2		
5	%3		
6	%4		
60	Conversion 1	0 to 9999.9999	Conversion rate
61	Conversion 2		
62	Conversion 3		

MRS = 0

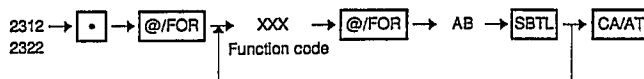
[JOB#2311]**MISC KEY PROGRAMMING 1**

XXX : Function No.

Function No.	Function
1	(-)1
2	(-)2
3	%1
4	%2
5	%3
6	%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 = 0000000

[JOB#2312, 2322]**HALO, TABLE NO.**

XXX: Function No.

A: Mantissa (1 to 9)

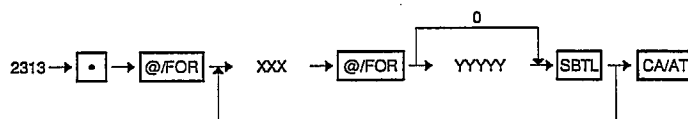
B: Exponent (0 to 8)

JOB#	Func. No.	Function	Remarks
2312	1	(-) 1	Item B can be specified within 0 to 7.
	2	(-) 2	
	30	TAX	
	55	RA	Item B is specifiable within the range from 0 to 8.
	56	PO	
2322	52	CA1	Item B can be specified within range from 0 to 8.
	53	CA2	
	75	CHK	
	65	CH1	
	67	CH2	
	69	CH3	
	71	CH4	
	73	CH5	

Entry range, system: A × 10^B

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

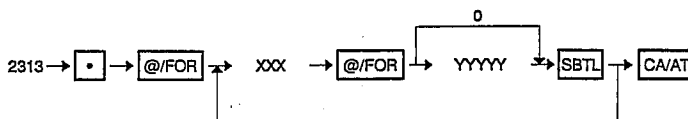
= 18 for other functions than (-) and tax

[JOB#2313]**MISCELLANEOUS KEY PROGRAMMING (% HALO)**

XXX: Function No.

YYYYY: % HALO

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

[JOB#2314]**TEXT PROGRAMMING FOR MISC KEYS**

XXX: FUNCTION CODE

Characters can be entered by using 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.

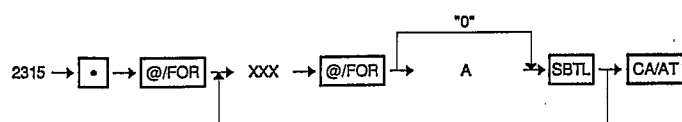
FUNCTION LIST

F-No.	FUNCTION	DEFAULT TEXT
1	(-) 1	(-) 1
2	(-) 2	(-) 2
3	%1	%1
4	%2	%2
5	%3	%3
6	%4	%4
7	NET1	NET1
8	TAXABLE 1 ST	TAX1 ST
9	GROSS TAX1	GRS TAX1
10	REFUND TAX1	RFD TAX1
11	NET TAX1	TAX1
12	EXEMPT TAX1	TX1 EXPT
13	TAXABLE2 ST	TAX2 ST
14	GROSS TAX2	GRS TAX2
15	REFUND TAX2	RFD TAX2
16	NET TAX2	TAX2
17	EXEMPT TAX2	TX2 EXPT
18	TAXABLE3 ST	TAX3 ST
19	GROSS TAX3	GRS TAX3
20	REFUND TAX3	RFD TAX3
21	NET TAX3	TAX3
22	EXEMPT TAX3	TX3 EXPT
23	TAXABLE4 ST	TAX4 ST
24	GROSS TAX4	GRS TAX4
25	REFUND TAX4	RFD TAX4
26	NET TAX4	TAX4
27	EXEMPT TAX4	TX4 EXPT
28	GROSS M-TAX	GRS MTAX
29	REFUND M-TAX	RFD MTAX
30	NET M-TAX	M-TAX
31	NON GST TOTAL	GST EXPT
32	PST TOTAL	PST TTL
33	GST TOTAL	GST TTL
34	FS1 FORGIVE	FS TX1
35	FS2 FORGIVE	FS TX2
36	FS3 FORGIVE	FS TX3
37	TOTAL TAX	TTL TAX
38	NET2	NET2
39	COUPON PLU	CP PLU
40	VOID	VOID
41	SBTL VOID	SBTL VOID
42	MANAGER VOID	MGR VD
43	VOID MODE	VOID
44	REFUND	REFUND
45	HASH VOID	HASH VD
46	HASH REFUND	HASH RF
46	NO SALE	NO SALE
48	VP COUNTER	VP CNT
49	DRAWER COUNTER	DRW CNT
50	TRANSACTION COUNTER	TRANS CT

F-No.	FUNCTION	DEFAULT TEXT
51	NET3 (SALES)	NET3
52	CASH1	CASH
53	CASH2	CASH2
54	FS SALE	FSSALE
55	RA	***RA
55	PO	***PO
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	CHECK	CHECK
76	CASH + CHECK IN DRAWER	CA + CK ID
77	CASH IN DRAWER	***CID
78	GROUP1	GROUP01
79	GROUP2	GROUP02
80	GROUP3	GROUP03
81	GROUP4	GROUP04
82	GROUP5	GROUP05
83	GROUP6	GROUP06
84	GROUP7	GROUP07
85	GROUP8	GROUP08
86	GROUP9	GROUP09
87	(+) DEPT TOTAL	*DEPT TL
88	(-) DPT TOTAL	DEPT (-)
89	BR (+) DPT TOTAL	*BTTL TL
90	BR (-) DPT TOTAL	BTTL (-)
91	HASH (+) DPT TOTAL	*HASH TL
92	HASH (-) DPT TOTAL	HASH (-)
93	SUBTOTAL	SUBTOTAL
94	MDS SBTL	MDSE ST
95	TOTAL	***TOTAL
96	CHANGE	CHANGE
97	FS SBTL	FS ST
98	FS TEND	FS TEND
99	FS CHANGE	FS CG
100	ITEMS	ITEMS
101	COPY	COPY

[JOB#2315]

MISC KEY PROGRAMMING (item %/subtotal %)



XXX: Function No.

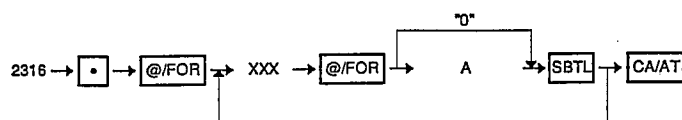
A: Item %/Subtotal % = 1/0

MRS. 0

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

[JOB#2316]

MISC KEY PROGRAMMING (item ⊖/SBTL ⊖)



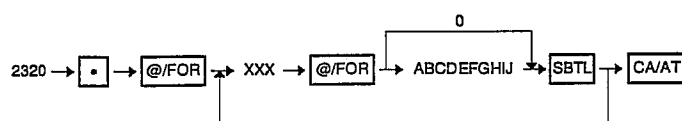
XXX: Function No.

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

Function No.	Function	Remarks
1	(→) 1	
2	(→) 2	

[JOB#2320]

MEDIA KEY PROGRAMMING



XXX: Function No.

Function No.	Function	A	B	C	D	E	F	G	H	I	J
52	CA1	○	○	X	○	○	○	○	○	○	○
53	CA2	○	○	X	○	○	○	○	○	○	○
65	CH1	○	○	○	○	○	○	○	○	○	○
67	CH2	○	○	○	○	○	○	○	○	○	○
69	CH3	○	○	○	○	○	○	○	○	○	○
71	CH4	○	○	○	○	○	○	○	○	○	○
73	CH5	○	○	○	○	○	○	○	○	○	○
75	CHK	○	○	○	○	○	○	○	○	○	○

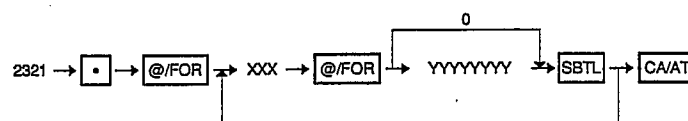
* Items marked with on (O) are programmable.

A: Footer print	Yes/No.	1/0
B: Non-add code entry	compulsory/non-compulsory	1/0
C: Change due	Disable/Enable	1/0
D: VP	compulsory/non-compulsory	1/0
E: Taxable 4 delete	Yes/No.	1/0
F: Taxable 3 delete	Yes/No.	1/0
G: Taxable 2 delete	Yes/No.	1/0
H: Taxable 1 delete	Yes/No.	1/0
I: Drawer opening	No./Yes	1/0
J: Entry of amount tendered	compulsory/noncompulsory (Cash, Check)	1/0
	compulsory/inhibit (CH1 to 5)	1/0

MRS = 0

[JOB#2321]

MEDIA KEY FUNCTION PROGRAM (AMOUNT HALO)



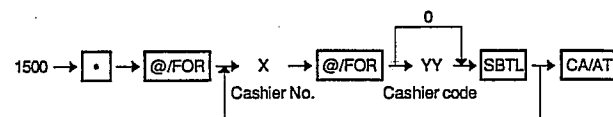
XXX: Function No.

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

YYYYYYY: Limitation amount

[JOB#1500]

CASHIER CODE PROGRAMMING



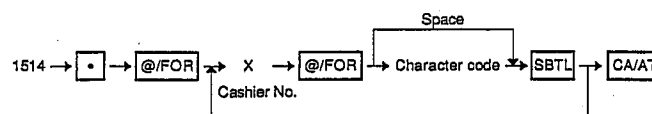
X: Cashier number = 1 ~ 4

YY: Cashier code = 00 ~ 99 (00 cashier is prohibited.)

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

[JOB#1514]

CASHIER NAME PROGRAMMING



X: Cashier No. = 1 ~ 4

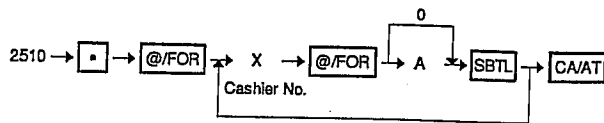
Characters can be entered by using numeric keys. The key entry sequence for entering one character by numeric keys is as follows:

XXX → 00 KEY XXX: Character code (3 digits)

Please refer to section 3.

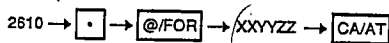
Max. 8 characters

Mrs = Space

[JOB#2510]**CASHIER DRAWER ASSIGNMENT**

X: Cashier No. = 1 ~ 4
 A: Drawer No. = 1 ~ 2
 No drawer = 0

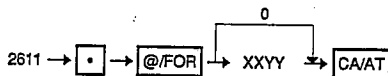
MRS = 1

[JOB#2610]**DATE SETTING**

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

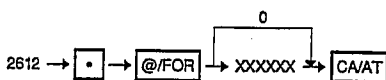
* The date entry format complies with the applicable SRV-mode programming.

MRS = 010100

[JOB#2611]**TIME SETTING**

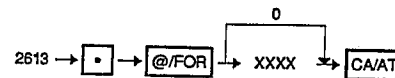
XX: Hour (00 ~ 23)
 YY: Minute (00 ~ 59)

MRS = 0

[JOB#2612]**MACHINE NUMBER SETTING**

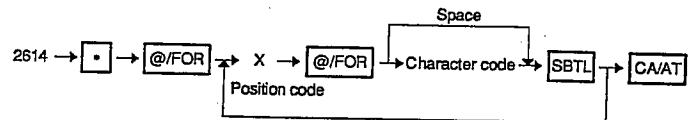
XXXXXX: Machine number (0 ~ 999999)

MRS = 0

[JOB#2613]**CONSECUTIVE NUMBER SETTING**

XXXX: Consecutive number (0000 ~ 9999)

MRS = 0000

[JOB#2614]**LOGO TEXT PROGRAMMING**

X: 1 ~ 6	1	(18 char.)
	2	(18 char.)
	3	(18 char.)
	4	(18 char.)
	5	(18 char.)
	6	(18 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 2.

MRS =

YOUR
 RECEIPT
 THANK YOU
 SHARP
 IS
 THE BEST

Note: This programming is related to JOB#912D programming. Only when "6-line header" is selected by JOB#912D programming, all 6 lines are programmable.

When "3-line header" is selected, upper 3 lines (1st-3rd line) are programmable.

When "3-line footer" is selected, lower 3 lines (4th-6th line) are programmable.

[JOB#2615]**PROGRAMMING OF NO. OF TIMES OF VALIDATION PRINTING.**

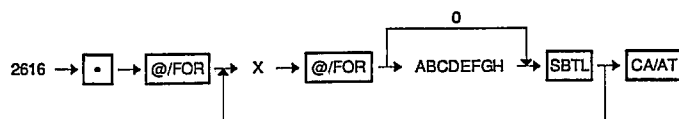
A: No. of times of validation printing

= 0 ~ 9

MRS = 1

[JOB#2616]

OPTIONAL FEATURE



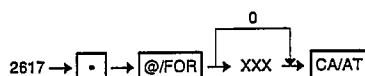
X : 1 MRS = 00000000
 A: OP X/Z report Disable/Enable 1/0
 B: PO operation in REG mode Disable/Enable 1/0
 C: Refund type of sale function in REG mode Disable/Enable 1/0
 D: "RFND" key entry on REG mode Disable/Enable 1/0
 E: Direct void function in REG mode Disable/Enable 1/0
 F: Indirect void in REG 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: Not used 0
 C: Not used 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: Not used 0
 D: Zero skip in cashier report No/Yes 1/0
 E: Zero skip in transaction report No/Yes 1/0
 F: Zero skip in DEPT. report No/Yes 1/0
 G: Zero skip in PLU report No/Yes 1/0
 H: Zero skip in hourly report No/Yes 1/0

[JOB#2617]

PROGRAMMING OF THE TIME INTERVAL FOR THE TILL TIMER

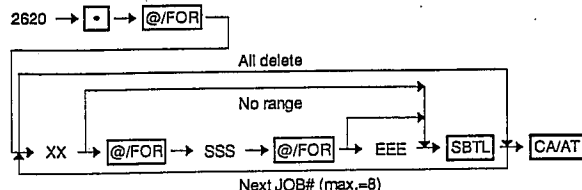


XXX: 0 ~ 255 sec

MRS = 000

[JOB#2620]

STACK REPORT



XX: JOB#
 SSS: Start code
 EEE: End code

JOB#	Report name	Type
00	General	RANGE
10	DEPT./group	
13	DEPT. All group	
20	PLU	
30	Transaction	
31	CID	
50	All cashier	
60	Hourly	

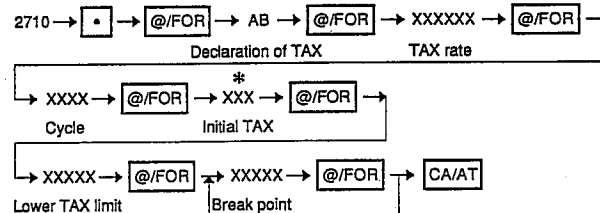
[*]

Max 13 steps are programmable. "1 step" means the memory size used for one no-range type JOB#.

The range type JOB# means "6 steps".

[JOB#2710]

TAX TABLE PROGRAMMING



UPTO 72 BREAKPOINTS CAN BE PROGRAMMED FOR A 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.

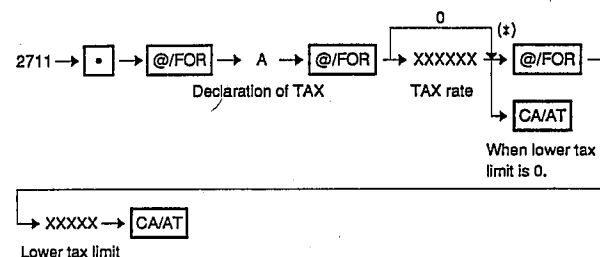
A: INTERVAL BETWEEN BREAKPOINTS IS = 1
 1 DOLLAR OR MORE
 INTERVAL BETWEEN BREAKPOINTS IS = 0
 BELOW 1 DOLLAR

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 MEANS 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.)

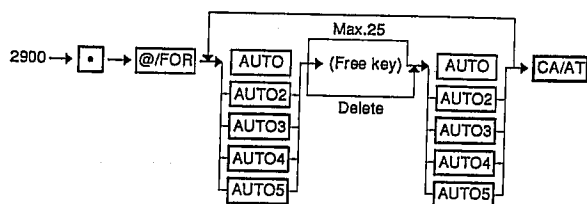
MRS = 0

[JOB#2900]

<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 programmed.

<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
		0.00	Same as [CA/AT] entry
	TOTAL \$10.00		
	\$1.00		
	\$0.00		

[JOB#2910, 2911]

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

2910/2911 → [] → @/FOR → CA/AT

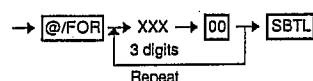
<Training mode>

- All operation is same as REG-mode operation.
- In the training mode, the consecutive number is counted up.

3. Character assignment method

The ER-A430 has two kinds of method at character assignment.
One is to use ten keys.

~ 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
001	á	052	4	103	g	154	è
002	â	053	5	104	h	155	Pt
003	ê	054	6	105	i	156	í
004	î	055	7	106	j	157	ñ
005	ï	056	8	107	k	158	ò
006	í	057	9	108	l	159	£
007	ô	058	:	109	m	160	¥
008	ó	059	;	110	n	161	°
009	û	060	<	111	o	162	Γ
010	ú	061	=	112	p	163	┘
011	œ	062	>	113	q	164	,
012	ü	063	?	114	r	165	.
013	ý	064	@	115	s	166	
014	ø	065	A	116	t	167	
015	ó	066	B	117	u	168	
016	^	067	C	118	v	169	
017	ψ	068	D	119	w	170	
018	Γ	069	E	120	x	171	
019	''	070	F	121	y	172	
020	Ω	071	G	122	z	173	
021	Δ	072	H	123	{	174	
022	θ	073	I	124		175	
023	Ξ	074	J	125	}	176	⊞
024	π'	075	K	126	β	177	Á
025	Σ	076	L	127	¢	178	Í
026	Υ	077	M	128	!!		
027	Φ	078	N	129	1	192	Ç
028	Ü	079	O	130	2	193	ı
029	Ú	080	P	131	3	194	Ġ
030	Ö	081	Q	132	4	195	§
031	Ó	082	R	133	½		
032		083	S	134	Fr	224	*
033	!	084	T	135	←	225	§
034	"	085	U	136	→	226	ø
035	#	086	V	137	∞	227	^
036	\$	087	W	138	∞	228	↑
037	%	088	X	139	◀	229	]
038	&	089	Y	140	▶	230	[
039	'	090	Z	141	F	231	"
040	(	091	Ä	142	T	232	ä
041	)	092	Ö	143	↓	233	ö
042	*	093	Ü	144	Ç	234	ü
043	+	094	^	145	°	235	æ
044	,	095	_	146	¿	236	à
045	-	096	'	147	Û	237	É
046	.	097	a	148	à	238	ñ
047	/	098	b	149	Æ	239	=
048	0	099	c	150	Ø		
049	1	100	d	151	Å	253	DC
050	2	101	e	152	Ü		
051	3	102	f	153	é		

DC: DOUBLE CODE

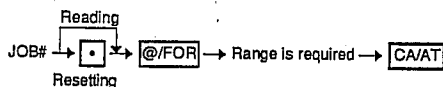
Fig. 7-2

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/GROUP			○		○		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 ENTRY
HOURLY(ALL)			○	○			60			
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.

[XXX] → [*/FOR] → [XXX]

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)