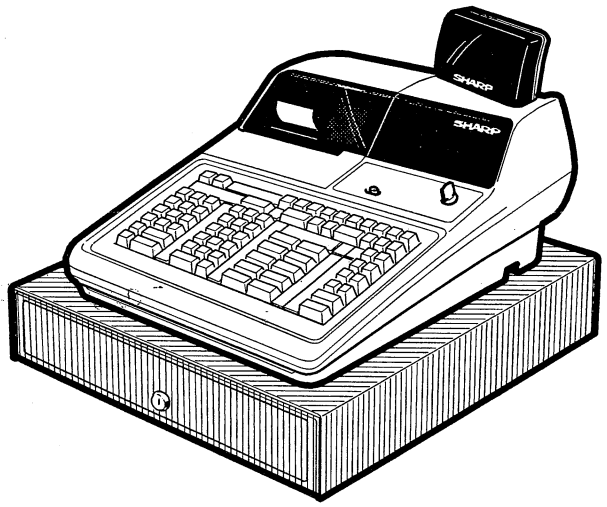
SHARP PROGRAMMING MANUAL

CODE: 00ZERA610APME



ELECTRONIC CASH REGISTER

MODEL ER-A610

(For "A" version)
SRV KEY : LKGIM7113RCZZ
PRINTER : M-820

CONTENTS

SHARP CORPORATION

CHAPTER 1. SERVICE (SRV) MODE

The SRV key is used for operating in the SRV mode.

1. SRV. reset (Program Loop Reset)

Used to return the machine back to its operational state after a lock-up has occurred.

Procedure

- Method 1
  1) Turn off the AC switch.
  2) Set the mode switch to (SRV') position.
  3) Turn on the AC switch.
  4) Turn to (SRV) position from (SRV') position.
- Method 2
  1) Set the mode switch to PGM2 position.
  2) Turn off the AC switch.
  3) While holding down JOURNAL FEED key and RECEIPT FEED key, turn on the AC switch.

Note: When disassembling and reassembling always power up using method 1 only. Method 2 will not reset the CKDC4.

Note: SRV programming job#926-B must be set to "4" to allow PGM program loop reset.

PRG. RESET ***

2. Master reset (All memory clear)

There are two possible methods to perform a master reset.

- MRS-1

Used to clear all memory contents and return machine back to its initial settings. return keyboard back to default. for default keyboard layout.

Procedure

1) Turn off the AC switch.
2) Set the MODE switch to the (SRV') position.
3) Turn on the AC switch.
4) While holding down JOURNAL FEED key, turn to (SRV) position from (SRV') position.

- MRS-2

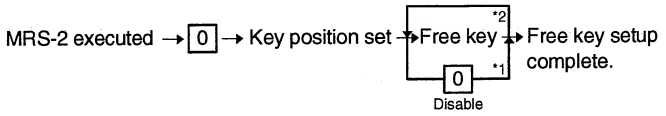
  Used to clear all memory and keyboard contents.
  This reset returns all programming back to defaults. The keyboard must be entered by hand.
  This reset is used if an application needs different keyboard layout other than that supplied by a normal MRS-1.

Procedure

1) Turn off the AC switch.
2) Set the MODE switch to the (SRV') position.
3) Turn on the AC switch.
4) While holding down JOURNAL FEED key and RECEIPT FEED key, turn to (SRV) position from (SRV') position.
5) Key position assignment:

* After the execution of MRS-2, only the RECEIPT FEED and JOURNAL FEED keys can remain effective on key assignment. Any key can be assigned on any key position on the main keyboard.

[key setup procedure]



MASTER PRESET ***

NOTES:

*1: When the 0 key is pressed, the key of the key number on display is disabled.

*2: Push the key on the position to be assigned. With this, the key of the key number on display is assigned to that key position.

Key number	Key name	Key number	Key name
1	Numeric key "0"	9	Numeric key "8"
2	Numeric key "1"	10	Numeric key "9"
3	Numeric key "2"	11	Numeric key "00"
4	Numeric key "3"	13	Decimal point key
5	Numeric key "4"	14	CL key
6	Numeric key "5"	15	@/FOR key
7	Numeric key "6"	16	SBTL key
8	Numeric key "7"	17	CA/AT key

3. Reading of the SRV mode program

List of program reports

JOB#	Report name
900	SRV-mode program full item report (not incl. keyboard layout)
950	Keyboard layout report (on keys other than dept. keys and direct PLU keys)
951	Keyboard layout report (on dept. keys and direct PLU keys)
970	SRV file programming report

[JOB# 900]

All parameters contained for the SRV mode as listed

Key operation.

900 → @/FOR → CA/AT

```
01/01/00  0:00AM
000000#0002


#900

 901#        0002
 902#        0000
 903#        5000
 904#        0000
 905#        0005
 906#        0021
 907#        0010
 908#        0000
 909#        2000
 910#        0024
 911#        0400
 912#        0061
 913#        0104
 914#        1100
 915#        0000
 916#        1400
 917#        0000
 918#        2233
 919#        5000
 920#        2000
 921#        0000
 922#        0008
 923#        0010
 924#        0000
 925#        0000
 926#        0000
 927#        0000
 928#        0060
 929#        0100
 930#          Z1  0000
 931#  CON     Z1  0000
 932#          Z1  0000
 933#          Z1  0000
 934#          Z1  0000
 936#          Z1  0000
 937#          Z2  0000
 938#  CON     Z2  0000
 939#          Z2  0000
 940#          Z1  0000
 941#          Z2  0000

 942#
GT2 ¥00000000000.01
 943#
GT3 ¥00000000000.00
 969#
TR  ¥00000000000.00

 944#        0000
 945#        0000
 946#        1000
```

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

JOB CODE

CONTENTS OF THE SRV-MODE PROGRAMMING

The contents of the programming are printed only on the journal individual formats shown at left. (No header is printed.)

GENERAL Z1 RESET COUNTER
CONSOLIDATED Z1 RESET COUNTER
CLERK Z1 RESET COUNTER
HOURLY Z1 RESET COUNTER
PLU Z1 RESET COUNTER

GENERAL Z2 RESET COUNTER
CONSOLIDATED Z2 RESET COUNTER
DAILY NET Z2 RESET COUNTER

PGM2 MODE SECRET CODE
ASSIGNMENT OF RS232 CHANNEL
ASSIGNMENT OF RS232 CHANNEL ("1000")
└── For ER-A6HS1

[JOB# 950]

The Key layout report is printed in SRV mode

Key operation

950 → @/FOR → CA/AT

```
01/01/00  0:01AM
000000#0003


#950

 001   0  KEY     039
 002   1  KEY     032
 003   2  KEY     040
 004   3  KEY     048
 005   4  KEY     033
 006   5  KEY     041
 007   6  KEY     049
 008   7  KEY     034
 009   8  KEY     042
 010   9  KEY     050
```

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

JOB CODE

KEY NO./KEY LABEL /LOCATION NO.

Key operation

951 → @/FOR → CA/AT

```
01/01/00  0:02
000000#0004


#951

 001   001     ---
 002   002     ---
 003   003     ---
 004   004     ---
 005   005     ---
 006   006     ---
 007   007     ---
 008   008     ---
 009   009     ---
 010   010     ---
 011   011     ---
 012   012     ---
```

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

JOB CODE

KEY NO./KEY LABEL /LOCATION NO.

Ⓢ [JOB#970]

Files on the memory are listed.

Key operation

970 → [@/FOR] → [CA/AT]

```
01/01/00  0:03AM
000000#0005


#970

¥001¥ 00020     /00020
¥002¥ 00020     /00020
¥003¥ 00020     /00020
¥005¥ 00020     /00020
¥006¥ 00020     /00020
¥015¥ 00200     /00020
¥016¥ 00200     /00020
¥020¥ 00200     /00020
¥023¥ 00200     /00020
¥024¥ 00200     /00020
¥033¥ 00030     /00000
¥035¥ 00600     /00000
¥036¥ 00600     /00000
¥037¥ 00600     /00000
¥039¥ 00600     /00000
¥042¥ 00600     /00000
¥043¥ 00600     /00000
¥057¥ 00100     /00000
¥059¥ 00100     /00000
¥060¥ 00099     /00099
¥061¥ 00099     /00099
¥062¥ 00099     /00099
¥086¥ 00004     /00004
¥087¥ 00004     /00004
¥088¥ 00004     /00004
¥092¥ 00076 004/00076
¥093¥ 00076 004/00076
¥094¥ 00076 004/00076
¥098¥ 00076     /00076
¥099¥ 00076     /00076
¥103¥ 00076     /00076
¥104¥ 00076     /00076
¥108¥ 00049     /00049
¥109¥ 00049     /00049
¥113¥ 00032     /00000
¥114¥ 00032     /00000
¥119¥ 00080     /00080
¥122¥ 00080     /00080
¥130¥ 00075     /00075
¥131¥ 00021     /00021
¥132¥ 00304     /00304
¥133¥ 00300-01800
                /00000

1C6600
1DFD0A
1FFFFF
```

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

JOB CODE

FILE TABLE NO./NO. OF RECORDS/NO. OF BLOCKS/NO. OF USED RECORDS

FILE TABLE NO./NO. OF INDEX RECORDS – NO. OF DATA RECORDS
/NO. OF USED RECORDS

FILE MEMORY START ADDRESS
EMPTY MEMORY START ADDRESS
MEMORY END ADDRESS

[JOB#990]

Reading the Contents of the SRV-Mode Programming for SSP

Key operation

990 → [@/FOR] → [CA/AT]

```
01/01/00  0:03AM
000000#0005


#990

SSP ERA610    -001
   001         001
   002         001
   003         001

       ¦
       ¦

CHECK SUM ERROR
```

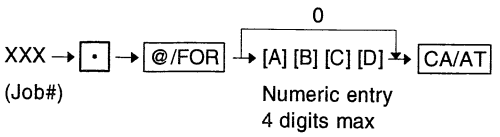
DATE (DD/MM/YY)/TIME
MACHINE NO./CC-NO.

JOB CODE

SSP NO.

4. Service mode programming

The following are the key operation required for programming.



Details of [A][B][C][D] will be discussed at each item description.
★ mark is MRS setting.

[JOB #901]:MRS=0002

#901-A: Not used (Fixed at "0")

#901-B: 1. Tax system

1. Tax system	901-B	
Auto tax 1-4 & manual tax	0	★
CANADIAN TAX	6	

#901-C: 1. Rounding system

1. Rounding system	901-C	
Normal	0	★
SINGAPORE	8	

#901-D: 1. TAB setting

1. TAB setting	901-D	
0.0	1	
0.00	2	★
0.000	3	

[JOB#902] MRS=0000

#902-A: 1. Choice of inline option

1. INLINE (SRN in-line)	902-A	
No	0	★
Yes	1	

#902-B: 1. Choice of kitchen printer

1. Kitchen printer (ER-03RP/04RP)	902-B	
No	0	★
Yes	1	

#902-C: 1. Coice of slip printer (ER-33SP)

1. Coice of slip printer (ER-33SP)	902-C	
No	0	★
Yes	2	

#902-D: 1. Not used (Fixed at "0")

[JOB#903] MRS=5000

#903-A: 1. SIO loader dumper baud rate

1. Baud rate (bps)	903-A	
300	0	
1200	1	
2400	2	
4800	3	
9600	4	
19200	5	★

#903-B: 1. Symbol of scale

1. Symbol of scale	903-B	
"LB"	0	★
"KG"	2	

#903-C: 1. Scale entry system
2. Entry of tare
3. Unit of weight for the scale

1. Scale entry system	2. Entry of tare	3. Unit of weight for the scale	903-C	
Manual	Disallowed	2id (3id) + 2dd	0	★
		1id (2id) + 3dd	1	
	Allowed	2id (3id) + 2dd	2	
		1id (2id) + 3dd	3	
Automatic	Disallowed	2id (3id) + 2dd	4	
		1id (2id) + 3dd	5	
	Allowed	2id (3id) + 2dd	6	
		1id (2id) + 3dd	7	

#903-D: 1. Type of food stamp

1. Type of food stamp	903-D	
No food stamp	0	★
Tax not payable in food stamps	1	
Tax payable in food stamps	2	
Food stamp tax forgiveness	3	

[JOB#904] MRS=0000

#904-A: 1. Printing of date

1. Printing of date	904-A	
Yes	0	★
No	4	

#904-B: 1. Printing of consecutive No.

1. Printing of consecutive No.	904-B	
Yes	0	★
No	4	

#904-C, D: Not used (Fixed at "00")

[JOB#905] MRS=0005

#905-A: 1. Taxable 4 subtotal print on X/Z report.
2. Gross Tax 4 and refund Tax 4 total print on X/Z report.
3. Net Tax 4 total print on X/Z report.

1. Taxable 4 SBTL	2. Gross Tax 4 and refund Tax 4	3. Nex Tax 4	905-A	
Print	Print	Print	0	★
		Skip	1	
	Skip	Print	2	
		Skip	3	
Skip	Print	Print	4	
		Skip	5	
	Skip	Print	6	
		Skip	7	

#905-B: 1. Tax printing when taxable subtotal is zero.
2. Tax printing when GST is VAT.
3. Tax printing when tax is zero.

1. Taxable subtotal is zero	2. GST is VAT	2. Tax is zero	905-B	
Skip	Print	Print	0	★
		Skip	1	
	Skip	Print	2	
		Skip	3	
Print	Print	Print	4	
		Skip	5	
	Skip	Print	6	
		Skip	7	

#905-C: 1. GST EXPT print on X/Z report

1. GST EXPT	905-C	
Print	0	★
Skip	4	

#905-D: 1. TAX METHOD

	Tax4 method (GST)	Tax3 method		Tax2, 1 method (PST)	905-D	
		GST	PST			
Type ①	VAT	VAT		Tax on Tax	0	
Type ②				Tax on Base	1	
Type ③	VAT		Tax on Tax		2	
Type ④			Tax on Base		3	
Type ⑤	Add on Tax		Tax on Tax		4	
Type ⑥			Tax on Base		5	★
Type ⑦	Add on Tax	VAT		Tax on Tax	6	
Type ⑧				Tax on Base	7	
Type ⑨	Add on Tax	Add on Tax		Tax on Tax	8	
Type ⑩				Tax on Base	9	

[JOB#906] MRS=0021

#906-A: 1. Print Dept. and PLU number on receipt.

1. Print Dept. and PLU number	906-A	
N0	0	★
Yes	4	

#906-B: 1. Bottle return function
2. Hash department setting

1. Bottle return function	2. Hash department setting	906-B	
Disable	Disable	0	★
	Enable	2	
Enable	Disable	4	
	Enable	6	

#906-C: 1. Split pricing counting
2. Multiplication entry

1. Split pricing counting	2. Multiplication entry	906-C	
Quantity	Multiplication	0	
	Successive multiplication	1	
	Split pricing	2	★
Package	Multiplication	4	
	Successive multiplication	5	
	Split pricing	6	

#906-D: 1. UPC price look up at refund entry
2. Presetting consecutive No.
3. Fractional quantity

1. UPC price look up at refund entry	2. Presetting consecutive No.	3. Fractional quantity	906-D	
Yes	Yes	No	0	
		Yes (3 digit decimal place)	1	★
	No	No	2	
		Yes (3 digit decimal place)	3	
No	Yes	No	4	
		Yes (3 digit decimal place)	5	
	No	No	6	
		Yes (3 digit decimal place)	7	

[JOB#907] MRS=0010

#907-A: Not used (Fixed at "0")

#907-B: 1. UPC code printing on journal
2. UPC code printing on receipt

1. UPC code printing on journal	2. UPC code printing on receipt	907-B	
Print	Print	0	★
	Skip	1	
Skip	Print	2	
	Skip	3	

#907-C: 1. Minus Dept./PLU/UPC

1. Minus Dept./PLU/ UPC	907-C	
Disable	0	
Enable	1	★

#907-D: Not used (Fixed at "0")

[JOB#908] MRS=0000

#908-A: GT print on Z report

GT1 (NET)	GT2 (+)	GT3 (–)	908-A	
Print	Print	Print	0	★
		Skip	1	
	Skip	Print	2	
		Skip	3	
Skip	Print	Print	4	
		Skip	5	
	Skip	Print	6	
		Skip	7	

#908-B: GT print on X report

GT1 (NET)	GT2 (+)	GT3 (–)	908-B	
Skip	Skip	Skip	0	★
		Print	1	
	Print	Skip	2	
		Print	3	
Print	Skip	Skip	4	
		Print	5	
	Print	Skip	6	
		Print	7	

#908-C: 1. Add void-mode transaction data to hourly total report
2. X1/Z1 report in X2/Z2 mode
3. Resetting of consecutive number in Z1 resetting

1. Add void-mode transaction to hourly total report	2. X1/Z1 report in X2/Z2 mode	3. Resetting of consecutive No.in Z1 resetting	908-C	
No	Enable	No	0	★
		Yes	1	
	Disable	No	2	
		Yes	3	
Yes	Enable	No	4	
		Yes	5	
	Disable	No	6	
		Yes	7	

#908-D:
1. Printing X/Z report Journal only/Receipt & Journal (Except the individual server report)
2. Z1 resetting, resets GT Enable/Disable

1. Printing X/Z report	2. GT resetting at Z1	908-D	
Receipt & Journal	Disable	0	★
	Enable	1	
Journal	Disable	4	
	Enable	5	

[JOB#909] MRS=2000

#909-A: 1. Printing of training GT on the X report
2. Printing of training GT on the Z report

1. Printing of training GT on the X report	2. Printing of training GT on the Z report	909-A	
Skip	Print	0	
	Skip	1	
Print	Print	2	★
	Skip	3	

#909-B: 1. Printing of data on PLU resetting report
2. Printing of data on UPC resetting report

1. Printing of data on PLU resetting report	2. Printing of data on UPC resetting report	909-B	
Print	Print	0	★
	Skip	1	
Skip	Print	4	
	Skip	5	

#909-C: 1. Printing of data in void-mode totalizer and manager void totalizer on Z2 report
2. Printing of data in void-mode totalizer and manager void totalizer on Z1 report

1. Void-mode totalizer on Z2 printing	2. Void-mode totalizer on Z1 printing	909-C	
Print	Print	0	★
	Skip	2	
Skip	Print	4	
	Skip	6	

#909-D: Not used (Fixed at "0")

[JOB#910] MRS=0024

#910-A: 1. Drawer open at server sign on/off

1. Drawer open at server sign on/off	910-A	
No	0	★
Yes	2	

#910-B: 1. Server # display

1. Server # display	910-B	
Hidden	0	★
Appear	2	

#910-C: 1. Server # entry system

1. Server # entry system	910-C	
Stay down	0	
Auto sign off	2	★

#910-D: 1. Server system

1. Server system	910-D	
1 hole key entry (ER-A5CL)	1	
Code entry	4	★

[JOB#911] MRS=0400

#911-A: 1. Fraction treatment

1. Fraction treatment	911-A	
Round off	0	★
Round up	1	
Round down	2	

#911-B: 1. C/D check of UPC

1. C/D check of UPC	911-B	
No	0	
Yes	4	★

#911-C: Not used (Fixed at "0")

#911-D: 1. Receipt format

1. Receipt headerformat	911-D	
Format 1	0	★
Format 2	2	
Format 3	4	

① Format 1

- Normal

```
05/01/95 12:34PM
123456#1234      0001
        BETTY
```

Date (MM/DD/YY), TIME
Machine No., CC-No., Server No.
Server name

② Format 2

- Normal

```
05/01/95 12:34PM
123456#1234 0001
        BETTY
```

Date (MM/DD/YY), TIME
Machine No., CC-No., Server No.
Server name

③ Format 3

- Normal

```
05/01/95 12:34PM
123456#1234 0001
```

Date (MM/DD/YY), TIME
Machine No., CC-No., Server No.

[JOB#912] MRS=0061

#912-A: 1. Date print format

Date format	912-A	
Month/Day/Year	0	★
Day/Month/Year	1	
Year/Month/Day	2	

#912-B: 1. Time system

1. Time system	912-B	
12H	0	★
24H	1	

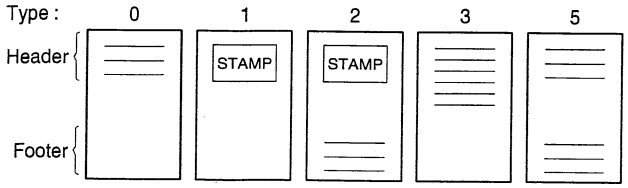
#912-C: 1. After transaction receipt format
2. Copy receipt
3. Footer print control

1. After transaction receipt	2. Copy receipt	3. Footer print control	912-C	
Total only	No	All receipt	0	
		On selected function keys at the time of finalization	1	
	Yes	All receipt	2	
		On selected function keys at the time of finalization	3	
Detail	No	All receipt	4	
		On selected function keys at the time of finalization	5	
	Yes	All receipt	6	★
		On selected function keys at the time of finalization	7	

#912-D: 1. Logo message control

1. Logo/stamp message control	912-D	
3-line header instead of stamp	0	
Stamp only	1	★
Stamp and 3-line footer	2	
6-line header insted of stamp	3	
3-line header instead of a stamp and 3-line footer	5	

(Logo/stamp message format)



[JOB#913] MRS = 0104

#913-A: 1. VP format on Receipt/Journal
2. Content of TOTAL VP amount

1. VP format	2. VP amount	913-A	
Date & amount	Total amount	0	★
	Tendered amount	1	
Machine# & amount	Total amount	2	
	Tendered amount	3	

#913-B: 1. Printing of SBTL
2. Printing of MDSE SBTL
3. Escape the compulsion of VP or slip

NOTE: Must turn to MGR mode and depress

- [•] , [PRINT] keys to escape validation
- [SLIP] key to escape slip print

1. SBTL Print	2. MDSE SBTL print	3. Escape the compulsory of VP or SLIP	913-B	
No	No	Disable	0	
		Enable	1	★
	Yes	Disable	2	
		Enable	3	
Yes	No	Disable	4	
		Enable	5	
	Yes	Disable	6	
		Enable	7	

#913-C: 1. Buzzer off 2sec. after lock error.
2. Buffered keyboard

1. Error beep	2. Buffered keyboard	913-C	
2-sec. off	Yes	0	★
	No	1	
Constant	Yes	2	
	No	3	

#913-D: 1. Drawer closing operation
2. Error mode
3. Key catch sound

1. Drawer closed compulsory	2. Error mode	3. Key catch sound	913-D	
Non-compulsory	All lock error	Enable	0	
		Disable	1	
	Miss operation (One shot error)	Enable	2	
		Disable	3	
Compulsory	All lock error	Enable	4	★
		Disable	5	
	Miss operation (One shot error)	Enable	6	
		Disable	7	

[JOB#914] MRS = 1100

#914-A: 1. Receipt issuing at no-sale
2. [NS] key separation from [CA/AT] key for no sale function
3. Tax delete operation

1. Receipt issuing at no-sale	2. [NS] key separation	3. Tax delete	914-A	
Enable	Yes	Inhibit	0	
		Enable	1	★
	No	Inhibit	2	
		Enable	3	
Disable	Yes	Inhibit	4	
		Enable	5	
	No	Inhibit	6	
		Enable	7	

#914-B: 1. No-sale after NON ADD code entry

1. No-sale after # entry	914-B	
Disable	0	
Enable	1	★

#914-C 1. Action to be taken when the machine is locked by the receipt/Journal paper near-end check
2. Void mode
3. Non-add code entry at the beginning of a transaction operation

1. Action to be taken when the machine is locked by the receipt/ Journal paper near-end check	2. Void mode	3. Non-add code entry at the beginning of a transaction operation	914-C	
Unlocked by CL key	Enable	Non-compulsory	0	★
		Compulsory	1	
	Disable	Non-compulsory	2	
		Compulsory	3	
Enforcing of paper roll replacement	Enable	Non-compulsory	4	
		Compulsory	5	
	Disable	Non-compulsory	6	
		Compulsory	7	

#914-D: 1. Manual tax Disable/Enable
2. CHECK CASHING Enable/Disable
3. Non-add code entry Disable/Enable

1. Manual tax	2. CHECK CASHING	3. Non-add code entry	914-D	
Enable	Disable	Enable	0	★
		Disable	1	
	Enable	Enable	2	
		Disable	3	
Disable	Disable	Enable	4	
		Disable	5	
	Enable	Enable	6	
		Disable	7	

[JOB#915] MRS = 0000

#915-A: 1. Amount symbol

1. Amount symbol	915-A	
" $ "	0	★
" * "	1	
" "	2	

#915-B: 1. PO system

1. PO system	915-B	
Mixed entry	0	★
Cash only entry	1	

#915-C: 1. Paper near end check
2. ST%, ST(–) as many times needed/operation only once
2. RA system

1. Paper near end check	2. ST%, ST (–) as many times needed/ operation only once	3. RA system	915-C	
Yes	Unlimited	Mixed entry	0	★
		Cash only entry	1	
	Once only	Mixed entry	2	
		Cash only entry	3	
No	Unlimited	Mixed entry	4	
		Cash only entry	5	
	Once only	Mixed entry	6	
		Cash only entry	7	

#915-D: Not used (Fixed at "0")

[JOB#916] MRS = 1400

#916-A: 1. Confirmation for the items text by CL key
2. Print format when text and amount overlaps each other REG mode

1. Confirmation for the items text by CL key	2. Print format when text and amount overlaps each other REG mode	916-A	
Inhibit	Truncate text	0	
	2 line print	1	★
Available	Truncate text	4	
	2 line print	5	

#916-B: 1. Finalization by charge when SBTL ≦ 0
2. Food stamp subtotal entry before food stamp tender

1. Finalization by charge when SBTL ≦ 0	2. Food stamp subtotal entry before food stamp tender	916-B	
Inhibit	Non-compulsory	0	
	Compulsory	1	
Always	Non-compulsory	4	★
	Compulsory	5	

#916-C: 1. Negative merchandise subtotal
2. Subtotal entry compulsory before tendering
3. Subtotal entry before direct non-tendering finalization

1. Negative merchan-dise subtotal	2. Subtotal entry compulsory before tendering	3 .Subtotal entry before direct non-tendering finalization	916-C	
Allow	Noncompulsory	Non-compulsory	0	★
		Compulsory	1	
	Compulsory	Non-compulsory	2	
		Compulsory	3	
Disallow	Non-compulsory	Non-compulsory	4	
		Compulsory	5	
	Compulsory	Non-compulsory	6	
		Compulsory	7	

#916-D: 1. Coupon PLU printing on X/Z report
2. Net sales subtotal (NET1) printing on X/Z report
3. CHECK change total printing on X/Z report

1. Print coupon PLU's on general report	2. Print net sales SBTL (NET1) on general report	3. Print CHK CHANGE on general report	916-D	
Print	Print	Print	0	★
		Skip	1	
	Skip	Print	2	
		Skip	3	
Skip	Print	Print	4	
		Skip	5	
	Skip	Print	6	
		Skip	7	

[JOB#917] MRS = 0000

#917-A: 1. Printing of Taxable 1 subtotal on X/Z report
2. Printing of Gross Tax 1 and refund Tax 1 total on X/Z report
3. Printing of Net Tax 1 total on X/Z report

1. Taxable 1 subtotal on X/Z report	2. Gross Tax 1 and refund Tax 1 total on X/Z report	3. Net Tax 1 total on X/Z report	917-A	
Print	Print	Print	0	★
		Skip	1	
	Skip	Print	2	
		Skip	3	
Skip	Print	Print	4	
		Skip	5	
	Skip	Print	6	
		Skip	7	

#917-B: 1. Printing of Taxable 2 subtotal on X/Z report
2. Printing of Gross Tax 2 and refund Tax 2 total on X/Z report
3. Printing of Net Tax 2 total on X/Z report

1. Taxable 2 subtotal on X/Z report	2. Gross Tax 2 and refund Tax 2 total on X/Z report	3. Net Tax 2 total on X/Z report	917-B	
Print	Print	Print	0	★
		Skip	1	
	Skip	Print	2	
		Skip	3	
Skip	Print	Print	4	
		Skip	5	
	Skip	Print	6	
		Skip	7	

#917-C: 1. Printing of Taxable 3 subtotal on X/Z report
2. Printing of Gross Tax 3 and refund Tax 3 total on X/Z report
3. Printing of Net Tax 3 total on X/Z report

1. Taxable 3 subtotal on X/Z report	2. Gross Tax 3 and refund Tax 3 total on X/Z report	3. Net Tax 3 total on X/Z report	917-C	
Print	Print	Print	0	★
		Skip	1	
	Skip	Print	2	
		Skip	3	
Skip	Print	Print	4	
		Skip	5	
	Skip	Print	6	
		Skip	7	

#917-D: 1. Printing of Total Tax amount on X/Z report
2. Printing of Gross manual Tax and refund manual Tax on X/Z
3. Printing of Net manual Tax total on X/Z report

1. Total Tax Amount	2. Gross manual Tax and Refund manual Tax on X/Z report	3. Net manual Tax total on X/Z report	917-D	
Print	Print	Print	0	★
		Skip	1	
	Skip	Print	2	
		Skip	3	
Skip	Print	Print	4	
		Skip	5	
	Skip	Print	6	
		Skip	7	

[JOB#918] MRS = 2233

#918-A: 1. Printing of text of a tied PLU in set PLU
2. Dirrect non-tendering finalization after previous tender entry
3. Output of set PLU to KP

1. Printing of text of a tied PLU in promo PLU	2. Dirrect non-tendering finalization after previous tender entry	3. Output of set PLU to KP	918-A	
Yes	Disable	By PLU	0	
		Set PLU's KP	1	
	Enable	By PLU	2	★
		Set PLU's KP	3	
No	Disable	By PLU	4	
		Set PLU's KP	5	
	Enable	By PLU	6	
		Set PLU's KP	7	

#918-B: 1. Tip handling system
2. Red color printing on KP when PLU's unit price is zero
3. Fractional entries for non-scalable UPC/PLU/Dept.

1. Tip handling system	2. Red color printing on KP when PLU's unit price is zero	3. Fractional entries for non-scalable UPC/PLU/ Dept.	918-B	
Individual	No	Enable	0	
		Disable	1	
	Yes	Enable	2	★
		Disable	3	
Pool	No	Enable	4	
		Disable	5	
	Yes	Enable	6	
		Disable	7	

#918-C: 1. Kitchen printer recapitulation
2. Printing the UPC/DEPT/PLU text on KP in double-size character

1. Kitchen printer recapitulation	2. Printing the UPC/DEPT/PLU text on KP in double size character	918-C	
Yes	No	0	
	Yes	1	
No	No	2	
	Yes	3	★

#918-D: 1. Clearing of tip totalizer at server Z1 report
2. Printing of tip totalizer on the server report

1. Clearing of tip totalizer at server Z1 report	2. Printing of tip totalizer on the server report	918-D	
No	No	0	
	Yes	1	
Yes	No	2	
	Yes	3	★

[JOB#919] MRS = 5000

#919-A, B: Not used (Fixed at "50")

#919-C: 1. Amount printing when PLU unit price is 0

1. Amount printing when PLU unit price is 0	919 -C	
No	0	★
Yes	1	

919-D: 1. Conversion SBTL printing of native SBTL
2. Foreign currency format

1. Conversion SBTL print of native SBTL	2. Foreign currency	919-D	
Yes	Not	0	★
	Omit digits lower than TAB position	1	
No	Not	4	
	Omit digits lower than TAB position	5	

[JOB#920] MSR = 2000: INLINE PROGRAMMING AREA

#920-A: 1. Back-up master function

1. Back-up master function	920-A	
Not	2	★
Exit	3	

#920-B: 1. System report and down-load job is executed in the back-up master

1. System report and down-load job is executed in the back-up master	920-B	
Disable	0	★
Enable	4	

#920-C: 1. Broad cast communication
2. PGM mode can enable/disable the satellite unit in the in-line mode.

1. Broad cast communication	2. Programming by the Satellite unit	920-C	
Exist	Disable	0	★
	Enable	1	
Nothing	Disable	4	
	Disable	5	

#920-D: 1. Machine assignment set up.

1. Assignment	920-D	
Standalone	0	★
Sattellite	1	
Master	2	
Backup master	3	

[JOB#921] MRS = 0000

#921-A: 1. Convert UPC-E code to UPC-A code

1. Convert UPC-E code to UPC-A code	920-A	
No	0	★
Yes	4	

#921-B, C, D: Not used (Fixed at "000")

[JOB#922] MRS = 0008: INLINE PROGRAMMING AREA

#922-A, B: Not used (Fixed at "00")
#922-C, D: 1. Transmission speed and Carrier-off waiting time

Transmission speed	Carrier-off waiting time (mSec)	922-CD	
480K BPS	3.2	01	
	6.4	02	
	9.6	04	
	12.8	00	
1M BPS	1.6	09	
	3.2	10	
	4.8	12	
	6.4	08	★

[JOB#923] MRS=0010: INLINE PROGRAMMING AREA

#923-A, B: 1. The record number for request of T-LOG polling (Setting for satellite)

1. The record number for request of T-LOG polling	923-A, B
00~99 (× 100)	00~99

#923-C: 1. T-LOG function

1. T-LOG function	923-C	
Not	0	
Exit	1	★

#923-D: 1. Polling cycle

1. Polling cycle (second)	923-D
0~9 (Sec.)	0~9

[JOB#924] MRS = 0000 : INLINE PROGRAMMING AREA

#924-A: 1. PLU save file

1. PLU save file	929-4	
Not	0	
Exist	1	★

#924-B: 1. Save file exept for PLU

1. Save file exept for PLU	924-B	
Not	0	
Exist	4	★

#924-C: Programming whether or not to lock REG-mode entries after individual dailytotal resetting when the system has no save file.
1. Locking after hourly resetting
2. Locking after DEPT/TRANSACTION resetting

1. Locking after hourly resetting	2. Locking after DEPT/ TRANSACTION resetting	924-C	
Yes	Yes	0	★
	No	1	
No	Yes	2	
	No	3	

#924-D: Programming whether or not to lock REG-mode entries after individual periodic total resetting when the system has no save file.
1. Locking after daily net resetting
2. Locking after DEPT/TRANSACTION resetting

1. Locking after daily net resetting	2. Locking after DEPT/ TRANSACTION resetting	924-D	
Yes	Yes	0	★
	No	1	
No	Yes	2	
	No	3	

[JOB#925] MRS = 0000 : INLINE PROGRAMMING AREA

#925-A: 1. Entire system general Z (#105) by master.
There are two modes; to reset only those already individually reset or to reset the current sales and those already individually reset.
(Note) For the system without IRM (individual resetting memory), "method 1" in the right table must be selected.
2. YES/NO to automatically clear ECR lock at system general Z-1 (#105) when NO is selected, use #199 toclear lock.
3. Execution of Job#199 when consolidation daily general resetting has not been taken Enable/Disable.

1. Consolidation report	2. Clear IRM files at #105	3. JOB#199 when JOB#105 is not executed	925-A	
Method-1	To clear	Disable	0	★
		Enable	1	
	Not to clear	Disable	2	
		Enable	3	
Method-2	To clear	Disable	4	
		Enable	5	
	Not to clear	Disable	6	
		Enable	7	

Method-1: Resets the current sales along with those already individually reset.
Method-2: Resets only those already individually reset.

#925-B: 1. Selects disable or enable of registration until #199 is executed. after doing transaction Z1 (#105).
2. ENABLE/DISABLE individual resetting at each terminal.

1. Registration after transaction Z1	2. Individual reset	925-B	
Disable	Disable	0	★
	Enable	1	
Enable	Enable	2	
	Disable	3	

#925-C: 1. Report format for the entire system or plural number of machines numbers are set for transaction report. (X1, Z1, X2, Z2)

1. Consolidation report format	925-C	
Report plus consolidation report for each machine	0	★
Consolidation report only	1	
Report for each machine only	2	

#925-D: 1. Resetting is allowed when the server is remained sign on
2. Resetting in the open store state

1. Resetting is allowed when the server is remained sign on	2. Resetting in the open store state	925-D	
No	Disable	0	★
	Enable	1	
Yes	Disable	2	
	Enable	3	

[JOB#926] MRS = 0000

#926-A: 1. Sending "Last void data" on KP
2. Sending "Past void data" on KP

1. Sending "Last void data" on KP	2. Sending "Past void data" on KP	926-A	
Yes	Yes	0	★
	No	1	
No	Yes	2	
	No	3	

#926-B: 1. Program reset at PGM 2 mode
2. Sending "Refund data" on KP

1. Program reset at PGM2 mode	2. Sending "Refund data" on KP	926-B	
Disable	Yes	0	★
	No	2	
Enable	Yes	4	
	No	6	

#926-C, D: Not used (Fixed at "00")

[JOB#927] NOT USED: MRS = 0000

[JOB#928] MRS = 0060

#928-A: 1. Realtime Slip print/Buffering slip print (ER-33SP only)
2. Printing of slip logo text

1. Realtime Slip print/ Buffering slip print	2. Printing of slip logo text	928-A	
Buffering slip print	No	0	★
	Yes	1	
Realtime slip print	No	4	
	Yes	5	

#928-B: 1. VP message printing on slip
2. Header line on slip paper when a reorder is made printed

1. VP message printing on slip	1. Header line on slip paper when a reorder is made printed	928-B	
Check only	Printed	0	★
	Not	1	
Check and Charge	Printed	2	
	Not	3	

#928-C: 1. Printing of PLU on bill when it is 0
2. Printing of text of a tied PLU in set PLU on bill

1. Printing of PLU on bill when it is 0	2. Printing if text of a tied PLU in set PLU on bill	928-C	
Print	Print	0	
	Skip	2	
Skip	Print	4	
	Skip	6	★

* When SRV#928-C is set to 4, in this case the PLU printing on the slip is depend on the 919-C preset

#928-D: 1. Compulsory bill print system

1. Compulsory bill print system	928-D	
Accoring to each media's preset	0	
Compulsory for evry entry	1	★

[JOB#929] MRS = 0100

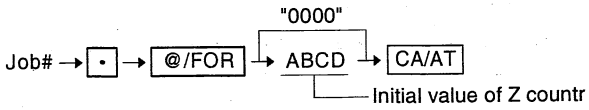
#929-A: 1. KP print format when finalizing

1. KP print format when finalizing	929-A
Simple	0 ★
Detail	1

#929-B, C, D: Not used (Fixed at "100")

[JOB#930~941] MRS = 0000

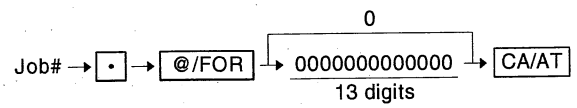
RESET REPORT COUNTER



JOB #	Function
930	Transaction Z1 report counter
931	Consolidated transaction Z1 report counter
932	Server Z1/Z2 report counter
933	Hourly Z1 report counter
934	PLU Z1/Z2 report counter
937	Transaction Z2 report counter
938	Consolidated transaction Z2 report counter
939	31 day daily net Z2 report counter
940	Department Z1 report counter
941	Department Z2 report counter

[JOB#942, 943, 969] MRS = 0000000000000

GT COUNTER PRESETTING

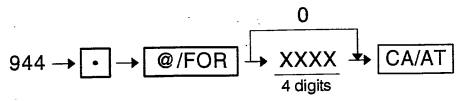


JOB #	Function
942	GT2 (Positive GT)
943	GT3 (Negative GT)
969	TRAINING GT

Note: GT1 is obtained by calculation
Equation: GT1=GT2-GT3

[JOB#944] MRS = 0000

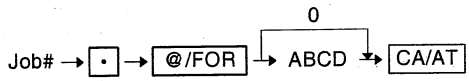
PGM2 secret code presetting



NOTE: When the secret code "0" is programmed, the secret code entry is be inhibited.

[JOB#945] MRS = 0000

The assignment of RS232 channel by each devices



#945-A: 1. Channel No. for online

1. Channel No. for online	945-A
Channel No.	0 to 7

#945-B: 1. Channel No. for Print data send

1. Channel No. for Print data send	945-B
Channel No.	0 to 7

#945-C: 1. Channel No. for scale

1. Channel No. for scale	945-C
Channel No.	0 to 7

#945-D: 1. Channel No. for Coin Dispencer

1. Channel No. for Coin Dispenser	945-D
Channel No.	0 to 7

* 0 = No connect
1 to 7 = Channel number

[JOB#946] MRS = 1000

The assignment of RS232 channel by each devices

#946-A: 1. Channel No. for ER-A6HS1

1. Channel No. for ER-A6HS1	946-A
Channel No.	0 to 7

#946-B: Not used (Fixed at "0")

#946-C: 1. Channel No. for CAT1

1. Channel No. for CAT1	946-C
Channel No.	0 to 7

#946-D: 1. Channel No. for CAT2

1. Channel No. for CAT2	946-D
Channel No.	0 to 7

* 0 = No connect
1 to 7 = Channel number

[JOB#947] MRS = 0000

The assignment of RS232 channel by each devices

#947-A: 1. Channel No. for CAT3

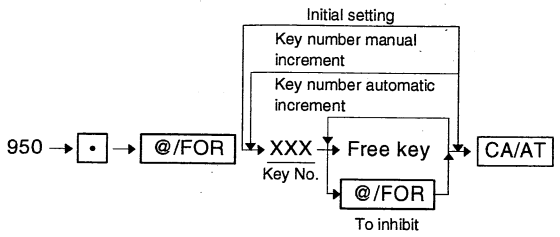
1. Channel No. for CAT3	947-A
Channel No.	0 to 7

#947-B, C, D: Not used (Fixed at "000")

* 0 = No connect
1 to 7 = Channel number

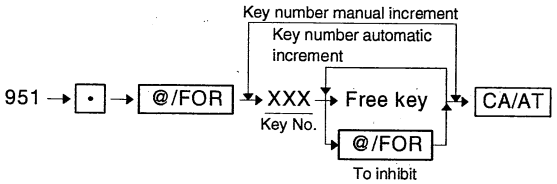
[JOB#950] MRS = STANDARD KEY LAYOUT

Free key layout (Except for department keys and direct PLU keys.)



[JOB#951] MRS = STANDARD KEY LAYOUT

Free key layout (department keys and direct PLU keys)



- Programming of the keys to be dept keys or direct PLU keys on the keyboard.
- Key No. is assigned to each key which is supposed to be dept. Key or direct PLU key by depressing the key after entering the key No.
- Those keys programmed by this job No. will be dept. keys if dept. code is assigned, and will be direct PLU keys if PLU code is assigned in the PGM2 mode.

FUNCTION KEY LIST (In the ER-A610, the shaded section (▒) of the FUNCTION KEY LIST is not used.)

Key No.	KEY	KEY TEXT
1	0 KEY	0 KEY
2	1 KEY	1 KEY
3	2 KEY	2 KEY
4	3 KEY	3 KEY
5	4 KEY	4 KEY
6	5 KEY	5 KEY
7	6 KEY	6 KEY
8	7 KEY	7 KEY
9	8 KEY	8 KEY
10	9 KEY	9 KEY
11	00 KEY	00 KEY
12	000 KEY	000KEY
13	DECIMAL POINT	. KEY
14	CLEAR	CLEAR
15	@/FOR	@/FOR
16	SUB TOTAL	SBTL
17	CA/AT	CA/AT
18	MDSE SBTL	MDS ST
19	TRAY SBTL	TRY ST
20	#	#
21	NO SALE	NS
22	SCALE	SCALE
23	PLU/SUB	PLU/SUB
24	Level1	L1
25	Level2	L2
26	Price1	P1
27	Price2	P2
28	Price3	P3
29	Price4	P4
30	Price5	P5
31	Price6	P6
32	TAX1 SHIFT	TAX1SF
33	TAX2 SHIFT	TAX2SF
34	TAX3 SHIFT	TAX3SF
35	TAX4 SHIFT	TAX4SF
36	FS SHIFT	FS SHT
37	PRINT	PRINT
38	SLIP	SLIP
39	RCPT	RCPT
40	TIP	TIP
41	VOID	VOID
42	NDIRECT VOID	I. VOID
43	ST VOID	ST VD
44	REFUND	RFND
45	%1	%1
46	%2	%2
47	%3	%3
48	%4	%4
49	(–)1	(–)1
50	(–)2	(–)2
51	(–)3	(–)3
52	(–)4	(–)4
53	TAX	TAX
54	COVER COUNT	CV CNT

Key No.	KEY	KEY TEXT
55	TABLE#	TABLE#
56	AUTO	AUTO
57	AUTO2	AUTO2
58	AUTO3	AUTO3
59	AUTO4	AUTO4
60	AUTO5	AUTO5
61	AUTO6	AUTO6
62	AUTO7	AUTO7
63	AUTO8	AUTO8
64	AUTO9	AUTO9
65	AUTO10	AUTO10
66	CASH2	CA2
67	CHECK	CHK
68	CH1	CH1
69	CH2	CH2
70	CH3	CH3
71	CH4	CH4
72	CH5	CH5
73	CH6	CH6
74	CH7	CH7
75	CH8	CH8
76	CONV1	CONV1
77	CONV2	CONV2
78	CONV3	CONV3
79	CONV4	CONV4
80	GLU/PBLU	PBAL
81	N.C.	N.C.

Key No.	KEY	KEY TEXT
82	SERVICE	SRVC
83	FINAL	FINAL
84	DEPOSIT	DEPO
85	DEPOSIT RF	DEP.RF
86	B.T.	B.T.
87	FS TEND	FSTEND
88	RA	RA
89	PO	PO
90	PO2	PO2
91	AMT	AMT
92	SERVER#	SRV#
93	EAT IN1	EATIN1
94	EAT IN2	EATIN2
95	EAT IN3	EATIN3
96	RP SEND	RP SND
97	GRATUITY EXPT	GRT EX
98	OPEN TARE	OPN TR
99	BALANCE	BAL
100	UPC	UPC
101	DEPT#	DEPT#
102	REPEAT	REPEAT
103	INQ	INQ
104	DELETE	DELETE
105	NO DELETE	NO DEL
106	CUSTOMER	CUST
107	PRICE CHANGE	PRCHNG

ER-A610 KEY POSITION

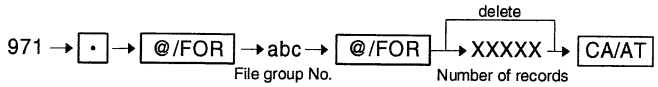
↑ R	↑ J	22	30	38	46	54	62	70	78	86	94	102	110	118	126
7	14	21	29	37	45	53	61	69	77	85	93	101	109	117	125
6	13	20	28	36	44	52	60	68	76	84	92	100	108	116	124
5	12	19	27	35	43	51	59	67	75	83	91	99	107	115	123
4	11	18	26	34	42	50	58	66	74	82	90	98	106	114	122
3	10	17	25	33	41	49	57	65	73	81	89	97	105	113	121
2	9	16	24	32	40	48	56	64	72	80	87	96	104	112	120
1	8	15	23	31	39	47	55	63	71	79	86	95	103	111	119

[JOB#971]

SRV FILE PROGRAMMING. (File creation deletion and change of record count or block count)

Key operation

- Normal file



File_table (in the ER-A610, the staded section ( ) of the File table is not used)

Group No.	File name	Type	* File table No. (Create/Erase)
1	Dept	1	01, 02, 03, 05
2	Dept Text (8)	0	03
3	Dept Text (16)	0	04
4	Dept Mark Down	0	10
5	PLU	1	15, 16, 18, 21
6	PLU Price 1	0	16, 21
7	PLU Price 1 to 5	0	17, 26
8	PLU Text (8)	0	18
9	PLU Text (16)	0	19
10	PLU stock	0	20
11	Link PLU	1	31
12	Set PLU	1	32
13	UPC 1 (Preset + Sales)	1	33, 34, 35, 37, 40
14	UPC 2 (Preset Only)	1	33, 34, 35, 37
15	UPC Price 1	0	35, 40
16	UPC Price 1 to 6	0	36, 42
17	UPC Text (8)	0	37
18	UPC Text (16)	0	38
19	UPC stock	0	39
20	DYNAMIC UPC 1 (Preset+Sales)	1	44, 45, 46, 48, 50
21	DYNAMIC UPC 2 (Preset Only)	1	44, 45, 46, 48
22	DYNAMIC UPC Price 1	0	46, 50
23	DYNAMIC UPC Price 1 to 6	0	47, 52
24	DYNAMIC UPC Text (8)	0	48
25	DYNAMIC UPC Text (16)	0	49
26	UPC PGM Pick up	1	54
27	DYNAMIC UPC PGM Pick up	1	55
28	UPC X/Z Pick up	1	56
29	DYNAMIC UPC X/Z Pick up	1	57
30	Server	1	64, 65, 66, 67, 68
31	Hourly	1	80, 81
32	Daily net	1	85, 86
33	Reg buffer	1	91
34	KP buffer	0	92
35	GLU/PBLU (Preset+Buffer)	1	97, 93, 94
36	Closed GLU	1	98
37	Auto GLU Generate	1	107
38	GLU/PBLU Rcv. buffer (IRC)	2	95
39	Sign off Server (IRC)	2	78, 79
40	KP (IRC)	1	99, 100
41	Customer master	1	104
42	T-LOG Buffer	1	105
43	Term Dept	0	06, 11
44	Term PLU	0	22 or 27
45	Term UPC	0	41 or 43
46	Term DYNAMIC UPC	0	51 or 53
47	Term Transaction	0	60
48	Term Server	0	69
49	All of term file	0	06, 11, 22 or 27, 41 or 43, 51 or 53, 60, 69
50	GLU/PBLU file (Preset Only)	1	97
51	GLU/PBLU buffer (Buffer Only)	0	93
52	B.T. buffer (Buffer only)	0	94

Type = 0 ; Create/Erase only
Type = 1 ; Create/Erase and Increase/dicrease the number of Records or blocks.
Type = 2 : Create/Erase and Increase/dicrease the number of blocks.
* : The files which are created or erased by the entry of group No.
** : For individual erase

File table (In the ER-A610, the shaded section ( ) of the FUNCTION KEY LIST is not used.)

Table No.	File name	RECORD			BLOCK			Label size	Data size
		MRS	Max.	#1	MRS	Max.	#2		
1	Dept. Preset	10	99		1	1		1	11
2	Price	10	99	(1)	1	1		0	3
3	Text (8chra.)	10	99	(1)	1	1		0	8
4	Text (16chara.)	0	99	(1)	0	1		0	16
5	Daily	10	99	(1)	1	1		0	9
6	Term	10	99	(1)	1	1		0	9
7	Save daily	0	99	(1)	0	1		0	9
8	Consolidation	0	99	(1)	0	1		0	9
9	Receive	0	99	(1)	0	1		0	9
10	Daily (Markdown)	0	99	(1)	0	8		0	8
11	Term (Markdown)	0	99	(1)	0	8		0	8
12	Save daily (Markdown)	0	99	(1)	0	8		0	8
13	Consol. (Markdown)	0	99	(1)	0	8		0	8
14	Receive (Markdown)	0	99	(1)	0	8		0	8
15	PLU Preset	200	***		1	1		5	15
16	Price 1	200	***	(15)	1	1		0	3
17	Price 1 to 5	0	***	(15)	0	1		0	15
18	Text (8chra.)	200	***	(15)	1	1		0	8
19	Text (16 chara.)	0	***	(15)	0	1		0	16
20	Stock	0	***	(15)	0	1		0	8
21	Daily (Price 1)	200	***	(15)	1	1		0	9
22	Term (Price 1)	200	***	(15)	1	1		0	9
23	Save daily (Price 1)	0	***	(15)	0	1		0	9
24	Consol. (Price 1)	0	***	(15)	0	1		0	9
25	Receive (Price 1)	0	***	(15)	0	1		0	9
26	Daily (Price 1 to 5)	0	***	(15)	0	5		0	9
27	Term (Price 1 to 5)	0	***	(15)	0	5		0	9
28	Save daily (Price 1 to 5)	0	***	(15)	0	5		0	9
29	Consol. (Price 1 to 5)	0	***	(15)	0	5		0	9
30	Receive (Price 1 to 5)	0	***	(15)	0	5		0	9
31	Link PLU	30	***		1	1		3	15
32	Set PLU	0	***		0	1		3	75
33	UPC Preset	1230	***		1	1		9	10
34	Flag	1230	***	(33)	1	1		0	2
35	Price 1	1230	***	(33)	1	1		0	3
36	Price 1 to 6	0	***	(33)	0	1		0	18
37	Text (8chra.)	1230	***	(33)	1	1		0	8
38	Text (16chara.)	0	***	(33)	0	1		0	16
39	Stock	0	***	(33)	0	1		0	8
40	Daily (Price 1)	1230	***	(33)	1	1		0	9
41	Term (Price 1)	1230	***	(33)	1	1		0	9
42	Daily (Price 1 to 6)	0	***	(33)	0	6		0	9
43	Term (Price 1 to 6)	0	***	(33)	0	6		0	9
44	D-UPC Preset	0	***		0	1		9	10
45	Flag	0	***	(44)	0	1		0	2
46	Price 1	0	***	(44)	0	1		0	3
47	Price 1 to 6	0	***	(44)	0	1		0	18
48	Text (8chra.)	0	***	(44)	0	1		0	8
49	Text (16chara.)	0	***	(44)	0	1		0	16
50	Daily (Price 1)	0	***	(44)	0	1		0	9
51	Term (Price 1)	0	***	(44)	0	1		0	9
52	Daily (Price 1 to 6)	0	***	(44)	0	6		0	9
53	Term (Price 1 to 6)	0	***	(44)	0	6		0	9
54	UPC PGM Pick up	100	***		1	1		9	0

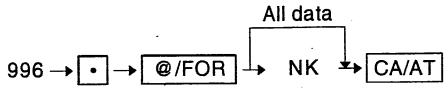
Table No.	File name	RECORD			BLOCK			Label size	Data size
		MRS	Max.	#1	MRS	Max.	#2		
55	D-UPC PGM Pick up	0	***		0	1		9	0
56	UPC X/Z Pick up	100	***		1	1		9	0
57	D-UPC X/Z Pick up	0	***		0	1		9	0
58	Transaction Label	103	103		1	1		2	0
59	Daily	103	103	(58)	1	1		0	8
60	Term	103	103	(58)	1	1		0	8
61	Save daily	0	103	(58)	0	1		0	8
62	Consolidation	0	103	(58)	0	1		0	8
63	Receive	0	103	(58)	0	1		0	8
64	Server Preset	10	255		1	1		1	15
65	Flag	10	255	(64)	1	1		0	10
66	Text	10	255	(64)	1	1		0	8
67	Server transaction Label	58	58		10	255	(64)	2	0
68	Daily	58	58	(67)	10	255	(64)	0	8
69	Term	58	58	(67)	10	255	(64)	0	8
73	Total server (Buffer) Label	58	58	(67)	1	1		2	0
74	Total	58	58	(67)	1	1		0	8
78	Server sign on/off Label	0	58	(67)	0	1		2	0
79	receive	0	58	(67)	0	1		0	8
80	Hourly Label	96	96		1	1		1	0
81	Daily	96	96	(80)	1	1		0	11
82	Save daily	0	96	(80)	0	1		0	11
83	Consolidation	0	96	(80)	0	1		0	11
84	Receive	0	96	(80)	0	1		0	11
85	Daily net Label	32	32		1	1		3	0
86	Total	32	32	(85)	1	1		0	8
87	Daily net consolidation Label	0	32	(85)	0	1		3	0
88	Consolidation	0	32	(85)	0	1		0	8
89	Daily net receive Label	0	32	(85)	0	1		3	0
90	Receive	0	32	(85)	0	1		0	8
91	Reg. buffer	150	255		1	1		0	50
92	KP buffer	0	255	(91)	0	1		0	50
93	GLU/PBLU buffer	0	255	(91)	0	1		0	50
94	B.T./B.S. buffer	0	255	(91)	0	1		0	50
95	GLU/PBLU receive buffer	0	255	(91)	0	1		0	50
96	GLU/PBLU save buffer	0	255	(91)	0	1		0	50
	<Label:Data>								
97	GLU/PBLU	0:0	***:***		0	1		10	47
98	Closed GLU	0:0	***:***		0	1		10	47
99	KP Preset	0	9		0	1		1	3
100	Text	0	9	(99)	0	1		0	12
101	Message text	79	79		1	1		1	12
102	Guidance text	19	19		1	1		1	12
103	Miscellaneous text	261	261		1	1		2	8
104	Customer text	20:120	***:***		0	1		13	19
105	T-LOG buffer	0	***		0	1		0	50
106	T-LOG receive buffer	0	***	(105)	0	1		0	50
107	GLU code auto generate	0	***		0	1		1	4

(#1) : Same as the number of record of table no. N
(#2) : Same as the number of block of table no. N

[JOB#996, 998] SIO data send/receive (ECR↔ECR, ECR↔ER-02FD)

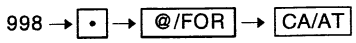
Note: When this JOB is executed at the master with the satellite machine operating in the inline system, data may not be saved in a floppy disc. Therefore this JOB should be used only when all the other machines in the inline system are not used.

[JOB#996] SIO data send



NK : 0 = SSP
1 = Standard RAM+01RA/02RA
2 = 01MB (0.5MB)/02MB (0.5MB: 1st half)
3 = 02MB (0.5MB: 2nd half)

[JOB#998] SIO data receive



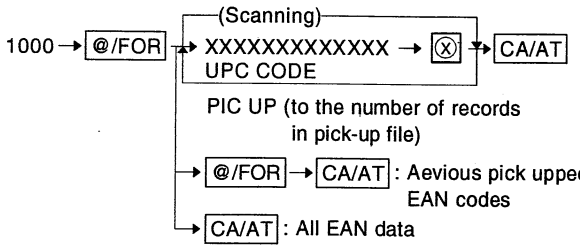
CHAPTER 2. PROGRAM (PGM2/PGM1) MODE

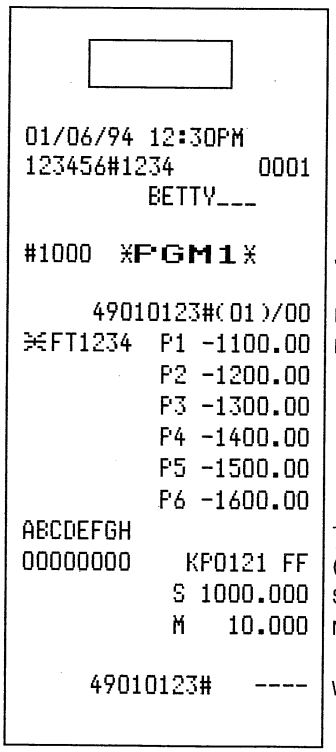
1.Reading of the PGM mode program

[JOB#1000]: UPC reading

[JOB#1050]: D-UPC reading

Key operation





JOB CODE/MODE TITLE Associated
EAN CODE/DEPT code/BASE Q'TY
NOT DELETED/TAXABLE/SIGN, PRICE1
SIGN,PRICE2
SIGN,PRICE3
SIGN,PRICE4
SIGN,PRICE5
SIGN,PRICE6
TEXT
(*1) PROGRAM/(*2)/(*3)
STOCK
MINIMUM STOCK
WHEN DELETE EAN

(*1) PROGRAM: ABCDEFGH

A:	Price shift entry Inhibited/Compulsory/Allowed		2/1/0
B:	Item (–)1	Disable/Enable	1/0
C:	Item (–)2	Disable/Enable	1/0
D:	Item (–)3	Disable/Enable	1/0
E:	Item (–)4	Disable/Enable	1/0
F:	Item (–)/%	Disable/Enable	1/0
G:	Tare table No.		9 to 1/0
H:	Scale Compulsory/Enable/Inhibit		2/1/0

(*2) PRINT STATION (Option): "KP" BCD

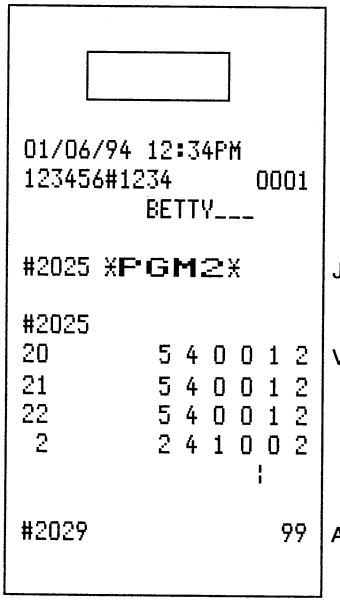
A:	Modified output	Yes/No=1/0
B:	KP1 No. of In-line/no output	=1 to 9/0
C:	KP2 No. of In-line/no output	=1 to 9/0
D:	Chit receipt	Yes/No=1/0

(*3) IRC control character

[JOB#2025]: UPC other programming reading

Key operation

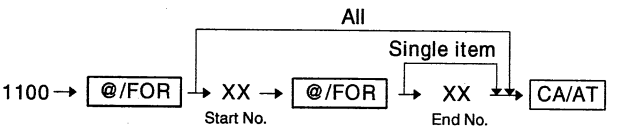
2025 → @/FOR → CA/AT

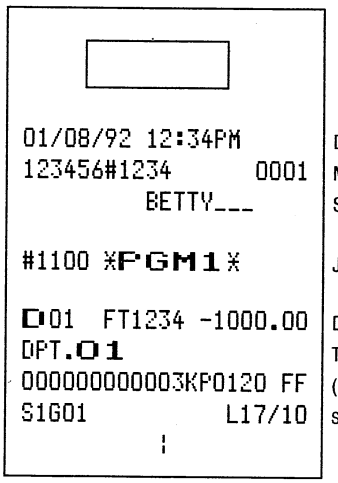


JOB CODE/MODE TITLE Associated
VVABCDEF
Auto delete period

[JOB#1100]: DEPT reading

Key operation





DATE/TIME
MACHINE NO./CC-NO./SERVER
SERVER NAME
JOB CODE/MODE TITLE
DPT CODE/FS. TAXABLE/SIGN. PRICE
TEXT
(*1) PROGRAM/(*2)/(*3)
SERVER GROUP NO./GROUP NO./HALO/LALO

(*1) PROGRAM: ABCDEFGHIJKL

A:	Item (–)1	Disable/Enable	1/0
B:	Item (–)2	Disable/Enable	1/0
C:	Item (–)3	Disable/Enable	1/0
D:	Item (–)4	Disable/Enable	1/0
E:	Item (–)/%	Disable/Enable	1/0
F:	(not used)		0
G:	Item vp compulsory/noncompulsory		1/0
H:	Tare table No.		9 to 1/0
I:	Scale Compulsory/Enable/Inhibit		2/1/0
J:	SIF/SICS/Normal		2/1/0
K:	HASH/Normal		1/0
L:	Amount entry type Open and preset/preset/open/inhibited		3/2/1/0

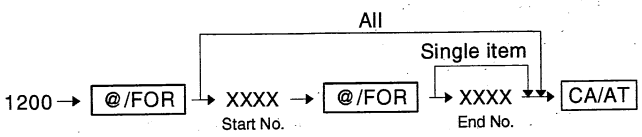
(*2) PRINT STATION (Option): "KP" BCD

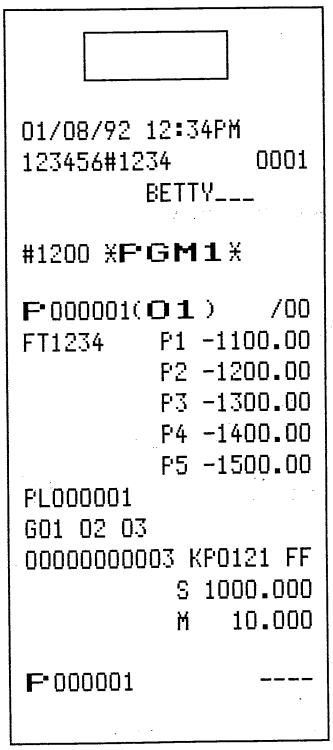
A:	Modified output	Yes/No=1/0
B:	KP1 No. of In-line/no output	=1 to 9/0
C:	KP2 No. of In-line/no output	=1 to 9/0
D:	Chit receipt	Yes/No=1/0

(*3) IRC control character

[JOB#1200]: PLU reading

Key operation





DATE/TIME
MACHINE NO./CC-NO./SERVER
SERVER NAME
JOB CODE/MODE TITLE
Associated
PLU CODE/DEPT code/(*1)/BASE Q'TY
FS.TAXABLE/SIGN, PRICE1
SIGN, PRICE2
SIGN, PRICE3
SIGN, PRICE4
SIGN, PRICE5
TEXT
GROUP NO.
(*2) PROGRAM/(*3)/(*4)
STOCK
MINIMUM STOCK
WHEN DELETE PLU

(*1) NORMAL. LINK PLU. SET MENU
: NORMAL
: L LINK PLU
: S SET MENU

(*3) PRINT STATION (Option): "KP" BCD

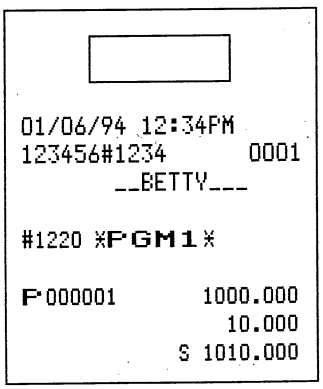
A:	Modified output	Yes/No = 1/0
B:	KP1 No. of In-line/no output	= 1 to 9/0
C:	KP2 No. of In-line/no output	= 1 to 9/0
D:	Chit receipt	Yes/No = 1/0

(*2) PROGRAM: ABCDEFGHIJK

A:	Price shift Compulsory/Inhibited/Allowed	2/1/0
B:	Item (–)1 Disable/Enable	1/0
C:	Item (–)2 Disable/Enable	1/0
D:	Item (–)3 Disable/Enable	1/0
E:	Item (–)4 Disable/Enable	1/0
F:	Item (–)/% Disable/Enable	1/0
G:		0
H:		0
I:	Tare table No.	9 to 1/0
J:	Scale Compulsory/Enable/Inhibit	2/1/0
K:	Amount entry type Open and preset/preset/open /inhibited (PLU) (Sub-dept)	= 3/2/1/0

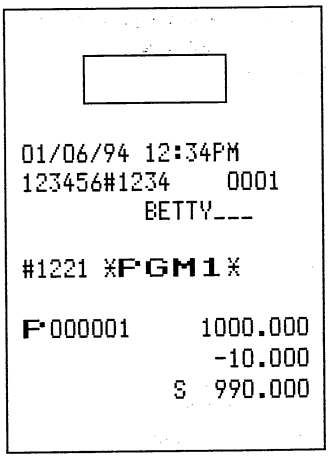
(*4) IRC control character

[JOB#1220]: STOCK ADD PRESET



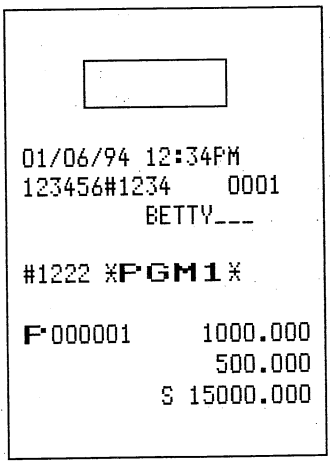
JOB CODE/MODE TITLE
OLD STOCK
(INPUT STOCK)
NEW STOCK

[JOB#1221]: STOCK SUB PRESET



JOB CODE/MODE TITLE
OLD STOCK
(INPUT STOCK)
NEW STOCK

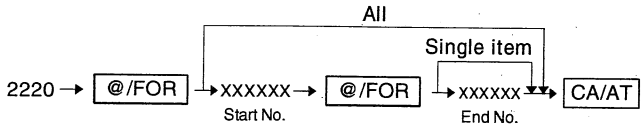
[JOB#1222]: STOCK IN VENTRY PRESET



JOB CODE/MODE TITLE
OLD STOCK
(NEW STOCK) - (OLD STOCK)
NEW STOCK (INPUT STOCK)

[JOB#2220]: LINK PLU PRESET OR READING

Key operation



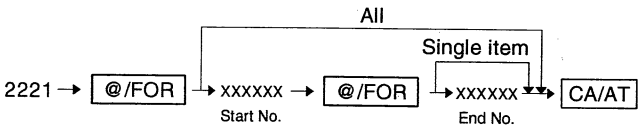

```
01/06/94 12:34PM
123456#1234     0001
         BETTY___

#2220 *PGM2*

P000001      L P001001
                P001002
                P001003
```

JOB CODE/MODE TITLE

PLU CODE/LINK PLU CODE (MAX 5)

[JOB#2221]: SET MENU PRESET OR READING

Key operation




```
01/06/94 12:34PM
123456#1234     0001
         BETTY___

#2221 *PGM2*

P000001      S P001001
                P001002
                P001003
                P001004
                P001005
```

JOB CODE/MODE TITLE

PLU CODE/LINK PLU CODE (MAX 10)

[JOB#1300]: FUNCTION PRESET READING

Key operation

1300 → @/FOR → CA/AT

```
01/08/92 12:34PM                    DATE/TIME
123456#1234        0001             MACHINE NO./CC-NO./SERVER
         BETTY___                    SERVER NAME

#1300 *PGM1*                        JOB CODE/MODE TITLE

F001 (—) 1                          FUNCTION NO./TEXT
I              -1000.00             SIGN, RATE
       FT1234       L17             FS, TAX/HALO
F002 (—) 2
S              -2000.00
       FT1234       L17
          ¦
F005 %1
I               -10.00%             RATE
       FT1234 L 20.00%             FS, TAX/HALO
F006 %2
S               -20.00%
       FT1234 L 30.00%
          ¦
          ¦
          ¦
F065 CASH
            KP120  L17
    00000000000000000               (*1) PGM
          ¦
F072 CA/CHK
             999999.99              HALO
F073 CHK/CG
             999999.99              HALO
          ¦
F075 CONV.1
             9999.9999              RATE
XXXX                                CURRENCY DESCRIPTER
          ¦
F098 ****CID
             9999999.99             SENTINEL
          ¦
F113 GROUP1
F114 GROUP2
          ¦
```

(*1) PGM: ABCDEFGHIJKLMNOPQ

A:	Not used		0
B:	Short amount tender	Disable/Enable	1/0
C:	Not used		0
D:	Not used		0
E:	CAT3/CAT2/CAT1	compulsory/not	3/2/1/0
F:	Not used		0
G:	Bill print	compulsory/noncompulsory	1/0
H:	Footer print on Receipt	Yes/No	1/0
I:	Non-add code entry	compulsory/noncompulsory	1/0
J:	Change due	Disable/Enable	1/0
K:	VP	compulsory/noncompulsory	1/0
L:	Taxable 4 delete	Yes/No	1/0
M:	Taxable 3 delete	Yes/No	1/0
N:	Taxable 2 delete	Yes/No	1/0
O:	Taxable 1 delete	Yes/No	1/0
P:	Drawer opening	No/Yes	1/0
Q:	Entry of amount tendered		
	compulsory/noncompulsory (Cash, check)		1/0
	compulsory/inhibit (CH1 to 8)		1/0

[JOB#2600]: READING OF OTHER

Key operation

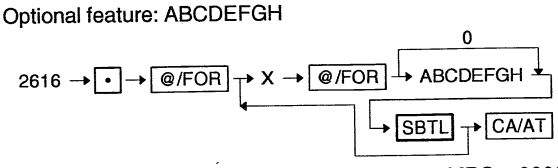
2600 → [@/FOR] → [CA/AT]

01/08/92 12:34PM		DATE/TIME
123456#1234	0001	MACHINE NO./CC-NO./SERVER
BETTY___		SERVER NAME
#2600 %PGM1%		JOB CODE/MODE TITLE
#2614		LOGO MESSAGE
SHARP		
PRESENTS THE		
ER-A610		
SHARP		
IS THE		
BEST		
#2615	00 99 1 0	(*1) SLIP/VP
#2616		(*2) OPTIONAL FEATURE
1	00000000	
2	00000000	
3	00000000	
4	00000000	
5	00000000	
6	00000000	
7	00000000	
8	00000000	
9	00000000	
10	00000000	
11	00000000	
12	00000000	
13	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 1
	20	
	000001-001000	
	40	
#2621		STACK REPORT 2
	00	
	60	
#2630	0000	SECRET CODE PGM1
#2631	0000	X1/Z1
#2632	0000	X2/Z2

(*1) SLIP/VP: abcdyx

ab:	INITIAL SLIP FEED LINE	= 0 to 64
cd:	SLIP PRINT MAX LINE NO.	= 0 to 99
y:	NO. OF TIMES OF VALIDATION PRINTING	= 0 to 9
x:	FEED LINE AFTER DEPRESSION OF TRAY ST KEY.	= 0 to 9

(*2) Optional feature: ABCDEFGH



MRS = 00000000

x: 1 MRS = 00000000
- A: OP X/Z report — Disable/Enable 1/0
- B: PO operation in REG mode — Disable/Enable 1/0
- C: (Not used) — 0
- D: "RFND" key entry in 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/Non compulsory 1/0

x: 2 MRS = 00000000
- A: The first last item 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: (–) VP — Compulsory/Non compulsory 1/0

x: 3 MRS = 00000000
- A: Zero skip in UPC report — No/Yes 1/0
- B: Zero skip in Server report — No/Yes 1/0
- C: (Not used) — 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

x: 4 MRS = 00000000
- A: Share% printing in Department report — No/Yes 1/0
- B: Tip entry method — Fix-rate entry/Amount entry 10
- C: (Not used) — 0
- D: (Not used) — 0
- E: (Not used) — 0
- F: Cover count entry — Compulsory/Noncompulsory 1/0
- G: Table number entry — Compulsory/Inhibit 1/0
- H: When PLU level system is "auto" (x: 2 B = 0), PLU level returns to level 1 by one receipt/by one item. 1/0

x: 5 MRS = 00000000
- A: (Not used) — 0
- B: (Not used) — 0
- C: (Not used) — 0
- D: (Not used) — 0
- E: (Not used) — 0
- F: PLU price shift system — MGR/MGR & REG 1/0
- G: PLU price shift system — Manual/Auto 1/0
- H: Return timing at "Auto" (x: 5 G = 0) — By one receipt/by one item 1/0

x: 6 (Not used) MRS = 00000000

x: 7 MRS = 00000000
- A: Void mode in REG mode — Disable/Enable 1/0
- B: (–) entry in REG mode — Disable/Enable 1/0
- C: No sale in REG mode — Disable/Enable 1/0
- D: Finalization in REG mode when SBTL is zero. — Disable/Enable 1/0
- E: Not used — 0
- F: Tip paid in REG mode — Disable/Enable 1/0
- G: (Not used) — 0
- H: (Not used) — 0

x: 8 MRS = 00000000
- A: (Not used) — 0
- B: (Not used) — 0
- C: (Not used) — 0
- D: (Not used) — 0
- E: Check cashing VP — Compulsory/Noncompulsory 1/0
- F: RA VP — Compulsory/Noncompulsory 1/0
- G: PO VP — Compulsory/Noncompulsory 1/0
- H: Tip in/Tip paid VP — Compulsory/Noncompulsory 1/0

x: 9 (Not used) MRS = 00000000

x:10 MRS = 01000000
- A: (Not used) — 0
- B: Action shift key — Caps Lock/Shift 1/0
- C: Learning function of UPC entry — No/Yes 1/0
- D: (Not used) — 0
- E: (Not used) — 0
- F: (Not used) — 0
- G: (Not used) — 0
- H: (Not used) — 0

x: 11 MRS = 10001000
- A: Customer data — Sales total/Detail 1/0
- B: (Not used) — 0
- C: (Not used) — 0
- D: (Not used) — 0
- E: Delete method of non-accessed UPC data DELETE key/DELETE key and Automatically after Daily Z1 — 1/0
- F: (Not used) — 0
- G: (Not used) — 0
- H: (Not used) — 0

x: 12 MRS = 00000011
- A: (Not used) — 0
- B: (Not used) — 0
- C: (reserved) — 0
- D: Non-payment customer report — Detail/Charge amount 1/0
- E: (Not used) — 0
- F: Customer code — Free code/Prescription code 1/0
- G: Opening of customer file during transaction in MGR mode/REG & MGR mode — 1/0
- H: Price change function in MGR mode/REG & MGR mode — 1/0

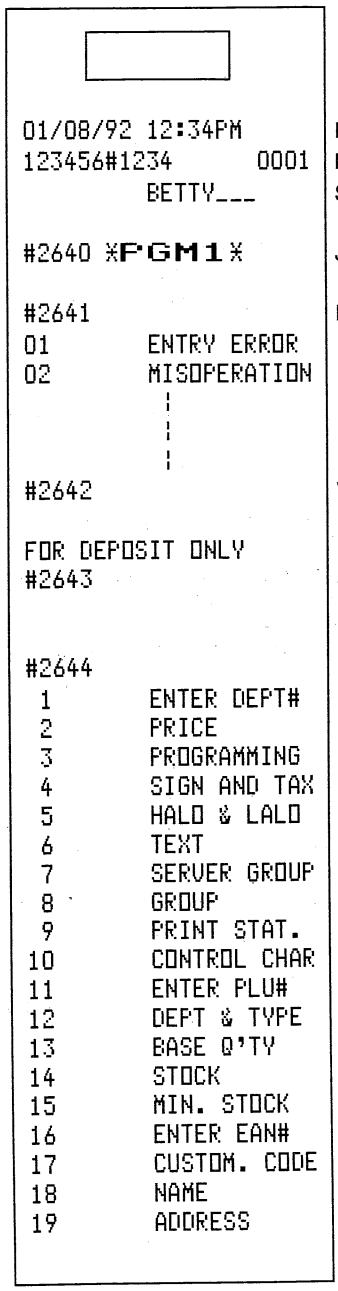
x: 13 MRS = 00000000
- A: (Not used) — 0
- B: (Not used) — 0
- C: (Not used) — 0
- D: Printing of Price Shift Text on the receipt/journal — No/Yes 1/0
- E: Server drawer assignment — Compulsory/Inhibit 1/0
- F: Treating the EAN8 code 200 as PLU — No/Yes 1/0
- G: Not used — 0
- H: Price entry after ISBN or ISSN — Inhibited/Compulsory 1/0

(*3) Hourly report : a bc
- a: Hourly report format by 15 minutes/by 30 minutes — 1/0
- bc: start hour — 00 to 23

[JOB#2640]: READING OF TEXT PROGRAMMING

Key operation

2640 → [@/FOR] → [CA/AT]

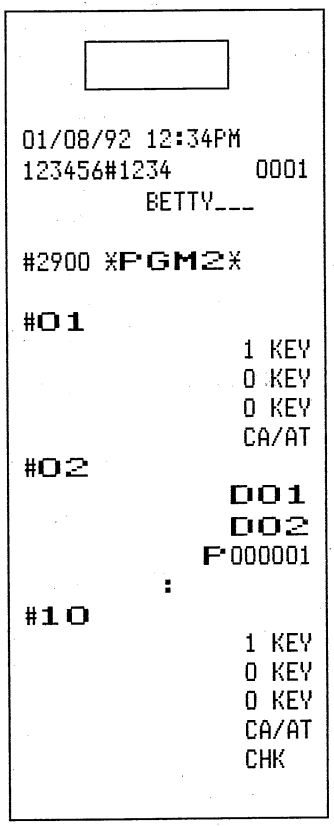


DATE/TIME
MACHINE NO./CC-NO./SERVER
SERVER NAME
JOB CODE/MODE TITLE
MESSAGE TEXT
VP TEXT
SLIP TEXT
GUIDANCE

[JOB#2900]: AUTO KEY READING

Key operation

2900 → [@/FOR] → [CA/AT]

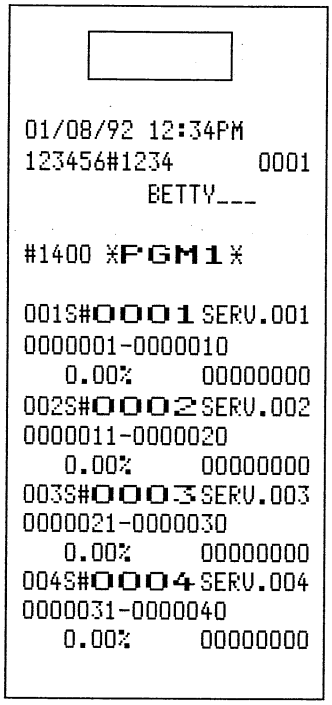


DATE/TIME
MACHINE NO./CC-NO./SERVER
SERVER NAME
JOB CODE/MODE TITLE
(DEPT01)
(PLU000001)

[JOB#1400]: SERVER READING REP.

Key operation

1400 → [@/FOR] → [CA/AT]



DATE/TIME
MACHINE NO./CC-NO./SERVER
SERVER NAME
JOB CODE/MODE TITLE
SERVER CODE/NAME
Net sales %/TABLE LINK NO./(*1)

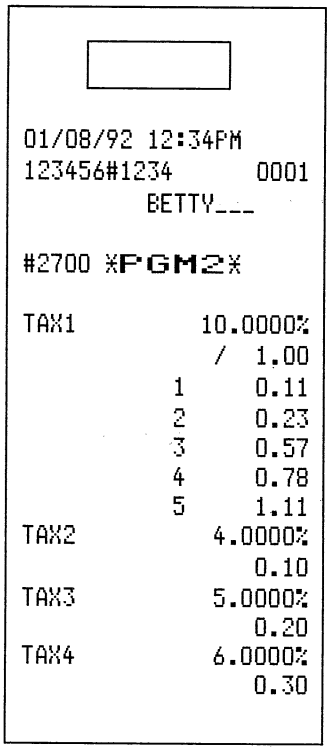
(*1) ABCDEFGH

A: (Not used)	0
B: (Not used)	0
C: (Not used)	0
D: (Not used)	0
E: (Not used)	0
F :(Not used)	0
G: DRAWER NO. /NOT OPEN	= 1 to 4 / 0

[JOB#2700]: TAX TABLE READING REP.

Key operation

2700 → [@/FOR] → [CA/AT]

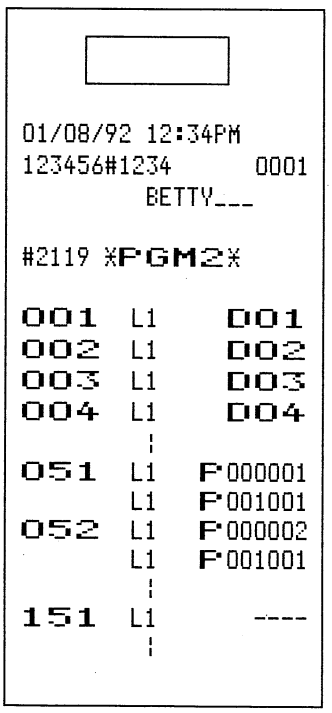


DATE/TIME
MACHINE NO./CC-NO./SERVER
SERVER NAME
JOB CODE/MODE TITLE
TABLE NO./RATE
CYCLE
TAX./BREAK POINT AMOUNT
TABLE NO./RATE
LOWER TAX LIMIT

[JOB#2119]: DIRECT KEY READING REP.

Key operation

2119 → [@/FOR] → [CA/AT]



DATE/TIME
MACHINE NO./CC-NO./SERVER
SERVER NAME
JOB CODE/MODE TITLE
KEY NO./DEPT CODE OR PLU CODE
***When Dept code is assigned to the direct key, the same Dept code is assigned to each level.

[JOB#2850]: CUSTOMER DATA READING REP.

2850 → [@/FOR] → [CA/AT]

```
01/08/92 12:34PM
123456#1234       0001
        BETTY___

#2850 *PGM2*
#0800000001238
JACK BROWN
YAMATOKOORIYAMA NARA
```

JOB CODE/MODE TITLE
CUSTOMER CODE
NAME
ADDRESS

[JOB#2860]: CUSTOMER CONTROL READING REP.

2860 → [@/FOR] → [CA/AT]

```
01/08/92 12:34PM
123456#1234       0001
        BETTY___

#2860 *PGM2*
#2869          12MONTH
```

JOB CODE/MODE TITLE

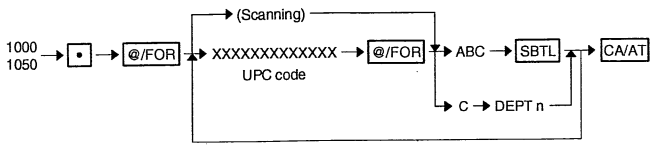
2. Programming

[JOB#1000]

Programming of department to be associated with UPCs

[JOB#1050]

Programming of department to be associated with D-UPCs



XXXXXXXXXXXX: UPC code
AB: Dept. code = 0~99

C:

Delete method	C
Automatic delete (At Daily Z1)	0
No automatic delete (At manual delete)	1
Delete	4

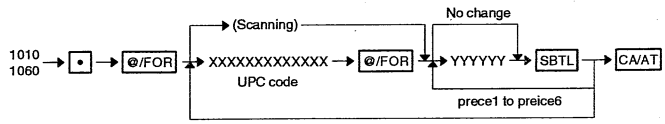
MRS = Nothing

[JOB#1010]

UPC unit price programming (Price 1 to Price 6)

[JOB#1060]

DINAMIC UPC unit price programming (Price 1 to Price 6)



XXXXXXXXXXXX: UPC code
YYYYYY: Amount = 0~999999

* Any UPC code should already be defined when its unit price is programmed.

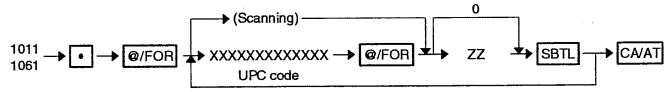
MRS = 000000

[JOB#1011]

UPC base Q'ty programming

[JOB#1061]

DINAMIC UPC base Q'ty programming



XXXXXXXXXXXX: UPC code
ZZ: Base Q'ty = 00~99

* Any UPC code should already be defined when its base quantity is programmed.

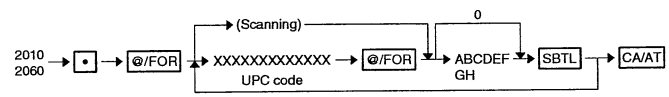
MRS = 00

[JOB#2010]

UPC function programming

[JOB#2060]

DINAMIC UPC function programming



XXXXXXXXXXXX: UPC code

A:

Price shift entry	A
Allowed	0
Inhibited	1
Compulsory	2

B:

Item (–)1	B
Enable	0
Disable	1

C:

Item (–)2	C
Enable	0
Disable	1

D:

Item (–)3	D
Enable	0
Disable	1

E:

Item (–)4	E
Enable	0
Disable	1

F:

Item (–)/%	F
Enable	0
Disable	1

G:

Tare table No.	G
No	0
Table No.	1~9

H:

Scale entry	H
Inhibit	0
Enable	1
Compulsory	2

* Any UPC code should already be defined when its function is programmed.

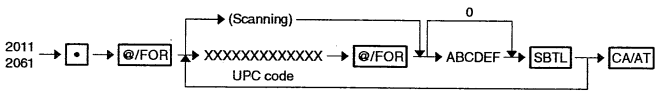
MRS = 00000000

[JOB#2011]

UPC tax status programming

[JOB#2061]

DINAMIC UPC tax status programming



XXXXXXXXXXXX: UPC code

A:

Sign	A
+	0
–	1

B:

Food stamp	B
Non-food stampable	0
Food stampable	1

C:

Taxable 4	C
Non taxable	0
Taxable	1

D:

Taxable 3	D
Non taxable	0
Taxable	1

E:

Taxable 2	E
Non taxable	0
Taxable	1

F:

Taxable 1	F
Non taxable	0
Taxable	1

* Any UPC code should already be defined when its tax status is programmed.

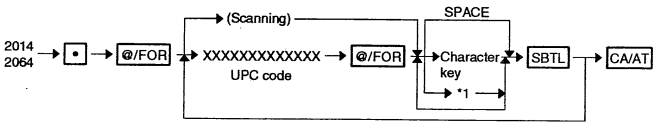
MRS = 000000

[JOB#2014]

UPC text programming

[JOB#2064]

DINAMIC UPC text programming



XXXXXXXXXXXX: UPC code

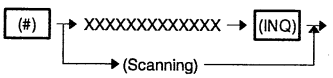
* Characters can be entered by using alphabetic keys or numeric keys.

Please refer to section 3.
Up to 8 (or 16) characters can be programmed.

*1: Readout of the programmed text

1. Readout of the last programmed text.

2. Readout of the past programmed text.



The text can be modified by cursor key, insert key and delete key etc.

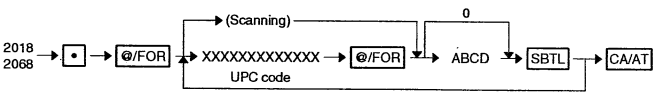
MRS = (space)

[JOB#2018]

UPC print station programming

[JOB#2068]

DINAMIC UPC print station programming



XXXXXXXXXXXX: UPC code

A:

Modified output	A
No	0
Yes	1

B:

KP1 No. of in-line	B
No output	0
KP1 No.	1~9

C:

KP2 No. of in-line	C
No output	0
KP2 No.	1~9

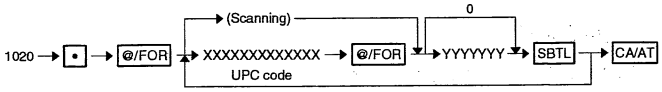
D:

Chit receipt	D
No	0
Yes	1

MRS = 0000

[JOB#1020]

Programming of UPC stock (ADD)



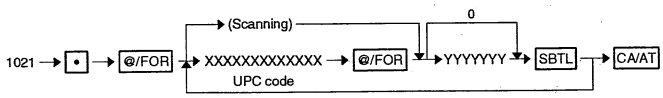
XXXXXXXXXXXX: UPC code
YYYYYYY: Stock value = 1~9999999

* The stock value is Max. 7 digits. The stock value entered is added to the UPC stock counter.

MRS = 0.000

[JOB#1021]

Programming of UPC stock (SUB)



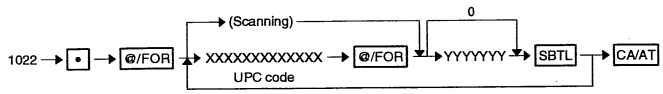
XXXXXXXXXXXX: UPC code
YYYYYYY: Stock value = 1~9999999

* The stock value is Max. 7 digits. The stock value entered is subtracted from the UPC stock counter.

MRS = 0.000

[JOB#1022]

Programming of UPC stock (OVERWRITE)



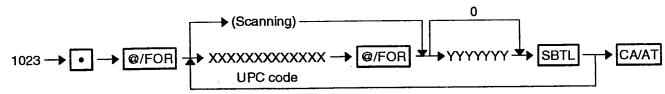
XXXXXXXXXXXX: UPC code
YYYYYYY: Stock value = 1~9999999

* The stock value is Max. 7 digits. The stock value entered is overwrited to the UPC stock counter.

MRS = 0.000

[JOB#1023]

Programming of UPC minimum stock



XXXXXXXXXXXX: UPC code
YYYYYYY: Stock value = 1~9999999

* The stock value is Max. 7 digits.

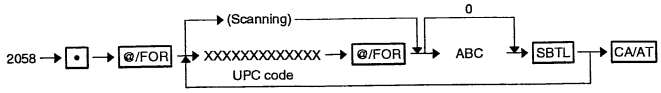
MRS = 0.000

[JOB#2058] MRS=000

IRC control character programming for UPCs

[JOB#2059] MRS=000

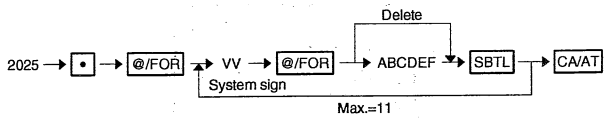
IRC control character programming for D-UPCs



XXXXXXXXXXXX: UPC code
ABC: IRC control character = 0~255

[JOB#2025]

NON PLU code format programming



VV:

System sign	VV
EAN13	02
EAN8	2

* EAN13 = VV WWWWW X YYYY Z
EAN8 = V WW YYYY Z

		EAN13	EAN8
V	System sign	2 digit = 02	1 digit = 2
W	Filed 1	5 digit	2 digit
X	Check digit (Price check digit)	1 digit	–
Y	Price (filed 2)	4 digit	4 digit
Z	Check digit	1 digit	1 digit

A:

Length field 1	A
VV = 02	Fixed at "5"
VV = 2	Fixed at "2"

B:

Length field 2	B
VV = 02	Fixed at "4"
VV = 2	Fixed at "4"

C: Not used (Fixed at "0")

D:

Meaning of field 2	D
Price	0
Quantity	2

E:

Price check digit used	E
No	0
Yes	1

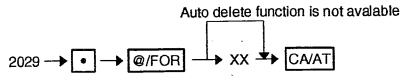
F:

TAB or decimal point of field 2	F
YYYY	0
YYY.Y	1
YY.YY	2
Y.YYY	3

MRS: EAN13 = 02540012
EAN8 = 2240002

[JOB#2029]

Auto delete period programming

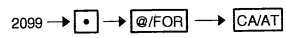


VV: Auto delete period = 00~99 days

MRS = 99

[JOB#2099]

Down load from DYNAMIC UPC file to UPC file



[JOB#2000]

Lead through programming for UPC

[JOB#2050]

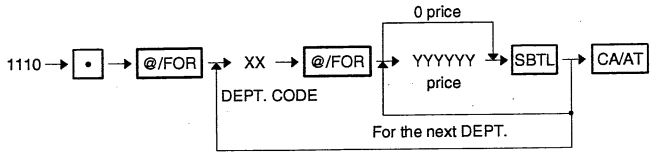
Lead through programming for DYNAMIC UPC

Step No.	Key sequence	Display	Guidance No. (JOB#2644)	Contents
1	2000 / 2050 → [•] → [@/FOR] →	ENTER UPC#	16	
2	(Scanning) → XXXXXXXXXXXX → [@/FOR]	DEPT & TYPE	12	
3	→ ABC → [SBTL] → / → C → DEPT n → [SBTL] →	PRICE	2	JOB#1000/1050
4	→ XXXXXX → [SBTL] →	PRICE (Lamped P2)	2	JOB#1010/1060
5	→ XXXXXX → [SBTL] →	PRICE (Lamped P3)	2	JOB#1010/1060
6	→ XXXXXX → [SBTL] →	PRICE (Lamped P4)	2	JOB#1010/1060
7	→ XXXXXX → [SBTL] →	PRICE (Lamped P5)	2	JOB#1010/1060
8	→ XXXXXX → [SBTL] →	PRICE (Lamped P6)	2	JOB#1010/1060
9	→ XXXXXX → [SBTL] →	BASE Q'TY	13	JOB#1010/1060
10	→ XX → [SBTL] →	PROGRAMMING	3	JOB#1011/1061
11	→ ABCDEFGH → [SBTL] →	SIGN AND TAX	4	JOB#2010/2060
12	→ ABCDEF → [SBTL] →	(programmed text)		JOB#2111/2061
13	→ (Character) → [SBTL] →	PRINT STAT.	9	JOB#2014/2064
14	→ XXX → [SBTL] →	CONTROL CHAR	10	JOB#2018/2068
15	→ XXX → [SBTL] →	STOCK	14	JOB#2058/2059
16	→ XXXXXXX → [SBTL] →	MIN. STOCK	15	JOB#1022 (Only JOB2000)
17	→ XXXXXXX → [SBTL] →	ENTER UPC#	16	JOB#1023 (Only JOB2000)
18	→ [CA/AT]			

The entry moves the next step by [@/FOR] key and returns the previous step by [CL] key.

[JOB#1110]

PROGRAMMING OF DEPT. PRICE

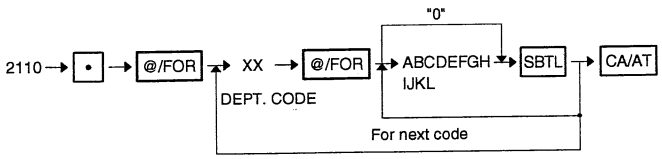


XX: DEPT-CODE = 01 ~ 99
YYYYYY: PRICE = 0 ~ 999999
Preset price is max. 6 digits.
Price can be programmed for each dept. If this programming is performed, the ECR is automatically programmed to allow preset price entry even when it has been programmed not to allow preset price entry in dept. function programming (JOB#2110).

MRS = 000000

[JOB#2110]

PROGRAMMING OF DEPT. FUNCTION



XX: DEPT. code = 01 ~ 99

A:

Item (–)1	A
Enable	0
Disable	1

B:

Item (–)2	B
Enable	0
Disable	1

C:

Item (–)3	C
Enable	0
Disable	1

D:

Item (–)4	D
Enable	0
Disable	1

E:

Item (–)/%	E
Enable	0
Disable	1

F: Not used (Fixed at "0")

G:

Item validation printing	2110-B
Non compulsory	0
Compulsory	1

H:

Tare table No.	C
No	0
Table No. 1~9	1~9

I:

Scale entry	D
Inhibit	0
Enable	1
Compulsory	2

J:

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

K:

Dept. type	K
Normal	0
HASH	1
Bottle Return	2

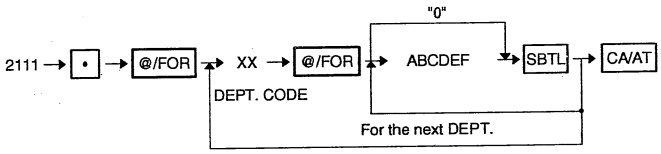
L:

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

MRS = 000000000001

[JOB#2111]

DEPT. TAX STATUS AND SIGN PROGRAMMING



XX: DEPT. CODE = 01 ~ 99

A:

Sign	A
+	0
–	1

B:

Food stamp	B
Non-food stampable	0
Food stampable	1

C:

Taxable 4	D
Non taxable	0
Taxable	1

D:

Taxable 3	E
Non taxable	0
Taxable	1

E:

Taxable 2	F
Non taxable	0
Taxable	1

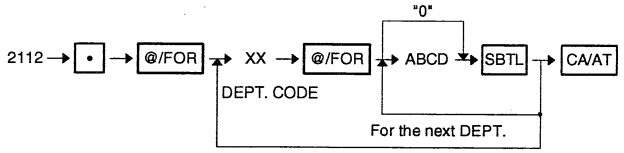
F:

Taxable 1	G
Non taxable	0
Taxable	1

MRS = 000000

[JOB#2112]

DEPT. HALO/LALO (limit) preset



XX: DEPT. CODE = 01 ~ 99
A: Mantissa (HALO) = 1 ~ 9
B: Exponent (HALO) = 0 ~ 7
C: Mantissa (LALO) = 1 ~ 9
D: Exponent (LALO) = 0 ~ 7

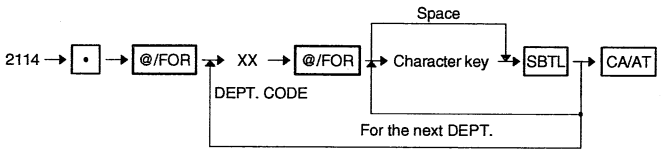
* Items A and B indicate $A \times 10^B$. Any amount below that value is enable within 9999999.

* Items C and D indicate $C \times 10^D$.

MRS = 1710

[JOB#2114]

DEPT. TEXT PROGRAMMING



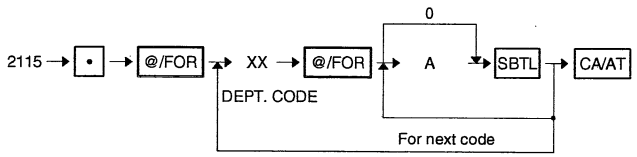
XX: DEPT. CODE = 01 ~ 99

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

MRS = DPT. XX

[JOB#2115]

SERVER GROUP PROGRAMMING

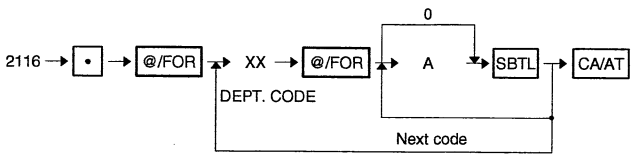


XX: DEPT. CODE = 01 ~ 99
A: Group No. = 0~9

MRS = 0

[JOB#2116]

PROGRAMMING OF DEPT. GROUP

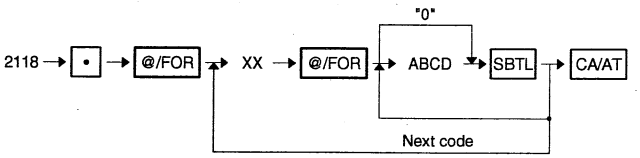


XX: DEPT. code = 01 ~ 99
AA: Group No. = 0 ~ 9

MRS = 00

[JOB#2118]

PRINT STATION PROGRAMMING



XX: DEPT. code = 01 ~ 99

A:

Modified output	A
No	0
Yes	1

B:

KP1 No. of in-line	B
No output	0
KP1 No.	1~9

C:

KP2 No. of in-line	C
No output	0
KP2 No.	1~9

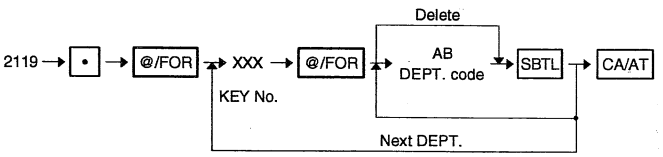
D:

Chit receipt	D
No	0
Yes	1

MRS = 0000

[JOB#2119]

LINK NUMBER PROGRAMMING FOR DIRECT DEPT. KEYS

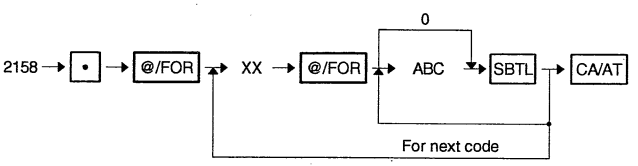


When Dept. code is entered, Dept. code is assigned to each level at the same time.
DEPT. code is assigned to the key no. Which has been programmed in JOB#951 programming.

AB: DEPT, CODE = 01 ~ 90

[JOB#2158]

IRC CONTROL CHARACTER PROGRAMMING



XX: Department code (01 to 99 max.)
ABC: IRC control character (0 ~ 255)

MRS = 000

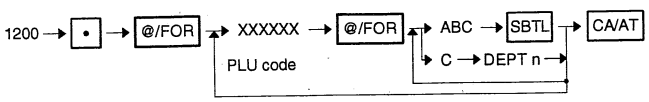
[JOB#2100]

LEAD THROUGH PROGRAMMING FOR DEPARTMENT

Step No.	Key sequence	Display	Guidance No. (JOB#2644)	Contents
1	2100 → [•] → [@/FOR] →	ENTER DEPT#	1	
2	→ XX → [@/FOR] →	PRICE	2	
3	→ XXXXXX → [SBTL] →	PROGRAMMING	3	JOB#1100
4	→ XXXXXXXXXXX → [SBTL] →	SIGN AND TAX	4	JOB#2110
5	→ XXXXXX → [SBTL] →	HALO & LALO	5	JOB#2111
6	→ XXXX → [SBTL] →	TEXT	6	JOB#2112
7	→ (Character) → [SBTL] →	SERVER GROUP	7	JOB#2114
8	→ X → [SBTL] →	GROUP	8	JOB#2115
9	→ X → [SBTL] →	PRINT STAT.	9	JOB#2116
10	→ XXX → [SBTL] →	CONTROL CHAR	10	JOB#2118
11	→ XXX → [SBTL] →	PRICE	2	JOB#2158
Dept. No. is able to be entered by the operation of "XX [@/FOR]".				
12	→ [CA/AT]			
The entry moves the next step by [@/FOR] key and returns the previous step by [CL] key.				

[JOB#1200]

Creating/assigning PLUs and the associated departments.



XXXXXX: PLU code = 01 ~ 999999
AB: DEPT. code = 01 ~ 99

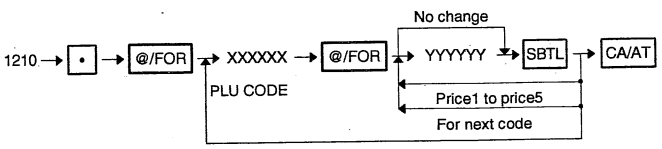
C:

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

MRS = 012

[JOB#1210]

PRICE PROGRAMMING FOR PLUS (Price 1 to price 5)



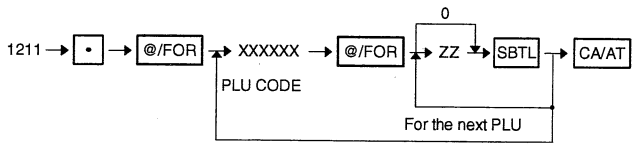
XXXXXX: PLU CODE = 1 ~ 999999
YYYYYY: Amount = 0 ~ 999999

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

MRS = 000000

[JOB#1211]

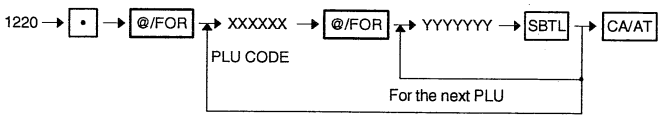
PLU BASE Q'TY PROGRAMMING



XXXXXX: PLU code = 1 ~ 999999
ZZ: Base quantity = 00 ~ 99

[JOB#1220]

PROGRAMMING OF PLUS STOCK (ADD)



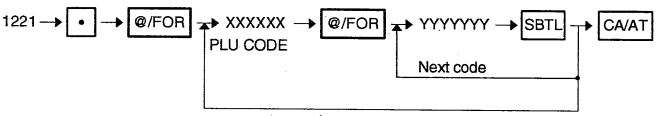
XXXXXX: PLU code = 1 ~ 999999
YYYYYYY: Stock value = 1 ~ 9999999

The stock value is max. 7 digits. The stock value entered is added to the PLU stock counter.

MRS = 0.000

[JOB#1221]

PROGRAMMING OF PLU STOCK (SUB)



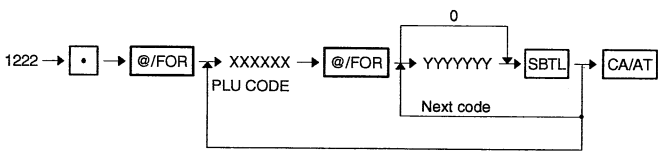
XXXXXX: PLU code = 1 ~ 999999
YYYYYYY: Stock value = 1 ~ 9999999

The stock value is max. 7 digits. The stock value entered is subtracted from the PLU stock counter.

MRS = 0.000

[JOB#1222]

PROGRAMMING OF PLU STOCK (OVERWRITE)



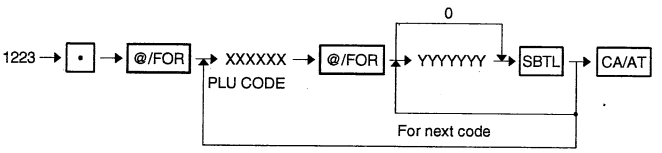
XXXXXX: PLU code = 1 ~ 999999
YYYYYYY: Stock value = 1 ~ 9999999

The stock value is max. 7 digits. The stock value entered is overrited to the PLU stock counter.

MRS = 0.000

[JOB#1223]

Programming of PLU minimum stock



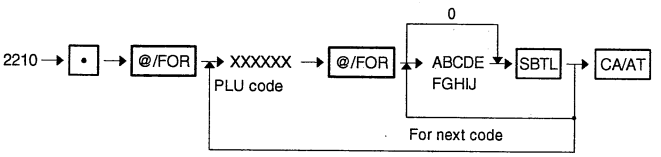
XXXXXX: PLU code = 1~999999
YYYYYYY: Stock value = 1~9999999

* The stock value is Max. 7 digits.

MRS = 0.000

[JOB#2210]

PLU function programming



XXXXXX: PLU code = 1~999999

A:

Price shift entry	A
Allowed	0
Inhibited	1
Compulsory	2

B:

Item (–)1	B
Enable	0
Disable	1

C:

Item (–)2	C
Enable	0
Disable	1

D:

Item (–)3	D
Enable	0
Disable	1

E:

Item (–)4	E
Enable	0
Disable	1

F:

Item (–)/%	F
Enable	0
Disable	1

G, H: Not used (Fixed at "00")

I:

Tare table No.	A
No	0
Table No. 1~9	1~9

J:

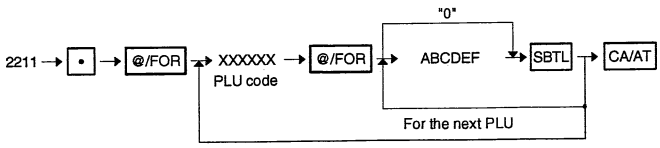
Scale entry	B
Inhibit	0
Enable	1
Compulsory	2

Any PLU code should already be defined (JOB#1200) when these are programmed.

MRS = 0000000000

[JOB#2211]

PLU TAX STATUS PROGRAMMING



XXXXXX: PLU code = 1 ~ 999999

A:

Sign	A
+	0
–	1

B:

Food stamp	B
Non stampable	0
Stampable	1

C:

Taxable 4	C
Non taxable	0
Taxable	1

D:

Taxable 3	D
Non taxable	0
Taxable	1

E:

Taxable 2	E
Non taxable	0
Taxable	1

F:

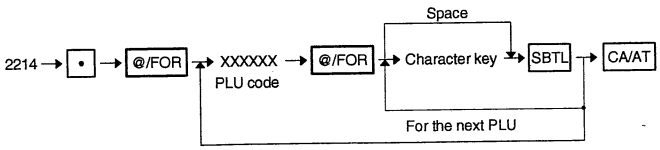
Taxable 1	F
Non taxable	0
Taxable	1

Any PLU code should already be defined when its unit price is programmed.

MRS = 000000

[JOB#2214]

PLU TEXT PROGRAMMING

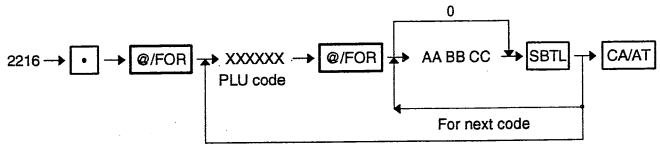


XXXXXX: PLU CODE = 1 ~ 999999
Characters can be entered by using alphabetic keys or numeric keys.
Please refer to section 3.
UP TO 8 (OR 16) CHARACTERS CAN BE PROGRAMMED.

MRS = PLXXXXXX

[JOB#2216]

PLU group programming

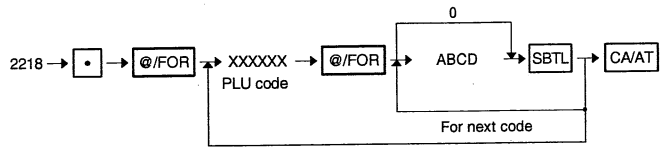


XXXXXX: PLU code = 1~999999
AA: Group No. = 0~99
BB: Group No. = 0~99
CC: Group No. = 0~99

MRS = 000000

[JOB#2218]

PRINT STATION PROGRAMMING



XXXXXX: PLU code = 1 ~ 999999

A:

Modified output entered PLU	A
No	0
Yes	1

B:

KP1 No. of in-line	B
No output	0
KP1 No.	1~9

C:

KP2 No. of in-line	C
No output	0
KP2 No.	1~9

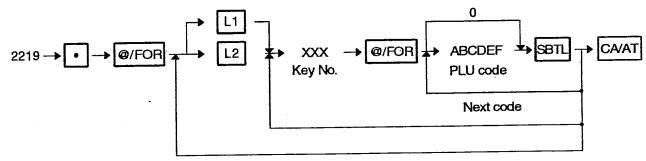
D:

Chit receipt	D
No	0
Yes	1

MRS = 000

[JOB#2219]

PLU CODE DEFINITION FOR DIRECT PLU KEYS

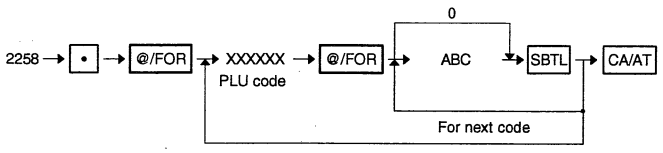


ABCDEF: PLU code = 1~999999

The key position of L1 and L2 is the position of the character key for "small 1" and "small 2".
PLU code is assigned to the key No. which has been programmed in JOB#951 programming.

[JOB#2258]

IRC CONTROL CHARACTER PROGRAMMING

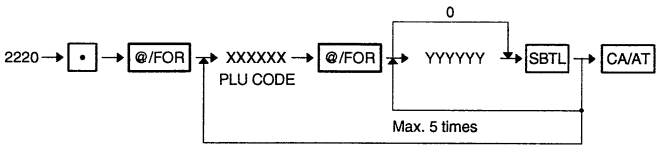


XXXXXX: PLU code (01 to 999999 max.)
ABC: IRC control character (0~255)

MRS = 000

[JOB#2220]

LINKED PLU PROGRAMMING



XXXXXX: PLU code = 1 ~ 999999
YYYYYY: PLU code = 1 ~ 999999

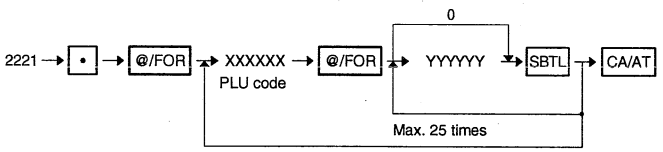
When the "SBTL" key is depressed without entering any number in (YYYYYY), there is no link.

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

MRS = 0

[JOB#2221]

SET PLU PROGRAMMING



XXXXXX: PLU code = 1 ~ 999999
YYYYYY: PLU code = 1 ~ 999999

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

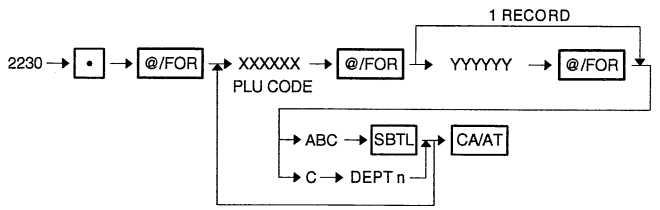
The set PLU code (XXXXXX) can not contain the same PLU code in (YYYYYY).

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

MRS = 0

[JOB#2230]

PLU CODE PROGRAMMING (range)



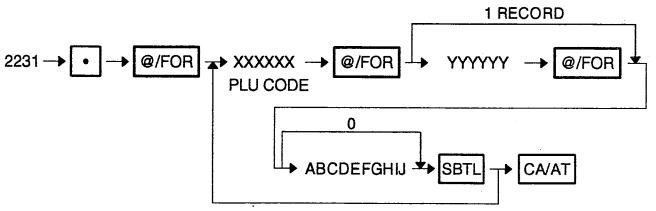
XXXXXX: Start PLU code = 1 ~ 999999
YYYYYY: End PLU code = 1 ~ 999999
AB: Dept. code = 1~99

C:

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

[JOB#2231]

PLU function programming (RANGE)



XXXXXX: Start PLU code = 1~999999
YYYYYY: End PLU code = 1~999999

A:

Price shift entry	A
Allowed	0
Inhibited	1
Compulsory	2

B:

Item (–)1	B
Enable	0
Disable	1

C:

Item (–)2	C
Enable	0
Disable	1

D:

Item (–)3	D
Enable	0
Disable	1

E:

Item (–)4	E
Enable	0
Disable	1

F:

Item (–)/%	F
Enable	0
Disable	1

G, H: Not used (Fixed at "00")

I:

Tare table No.	A
No	0
Table No. 1~9	1~9

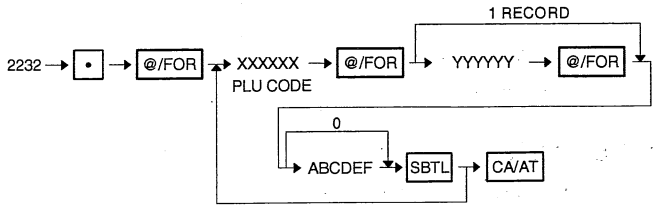
J:

Scale entry	B
Inhibit	0
Enable	1
Compulsory	2

MRS = 0000000000

[JOB#2232]

PLU TAX STATUS PROGRAMMING (RANGE)



XXXXXX: Start PLU code = 1 ~ 999999
YYYYYY: End PLU code = 1 ~ 999999

A:

Sign	A
+	0
–	1

B:

Food stampable	B
Non-food stampable	0
Food stampable	1

C:

Taxable 4	C
Non taxable	0
Taxable	1

D:

Taxable 3	D
Non taxable	0
Taxable	1

E:

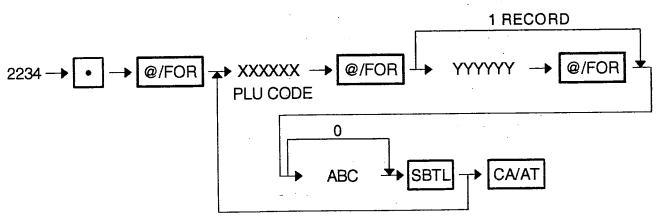
Taxable 2	E
Non taxable	0
Taxable	1

F:

Taxable 1	F
Non taxable	0
Taxable	1

[JOB#2234]

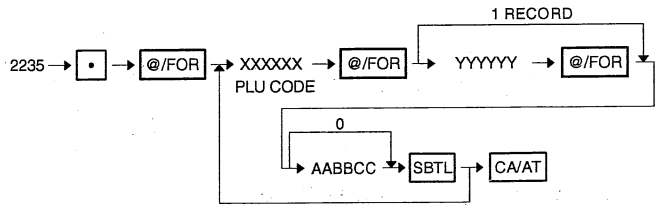
IRC CONTROL CHARACTER PROGRAMMING (RANGE)



XXXXXX: Start PLU code (1 to 999999)
YYYYYY: End PLU code (1 to 999999)
ABC: IRC control character (0~255)

[JOB#2235]

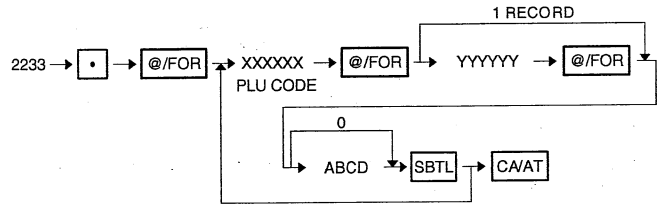
PLU GROUPING PROGRAMMING (RANGE)



XXXXXX: Start PLU code (1 to 999999)
YYYYYY: End PLU code (1 to 999999)
AA: Group No. (0 to 99)
BB: Group No. (0 to 99)
CC: Group No. (0 to 99)

[JOB#2233]

PRINT STATION PROGRAMMING (RANGE)



XXXXXX: Start PLU code = 1 ~ 999999
YYYYYY: End PLU code = 1 ~ 999999

A:

Modified output entered PLU	A
No	0
Yes	1

B:

KP1 No. of in-line	A
No output	0
KP1 No.	1~9

C:

KP2 No. of in-line	B
No output	0
KP2 No.	1~9

D:

Chit receipt	C
No	0
Yes	1

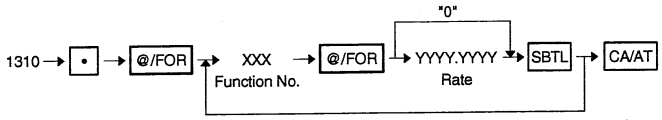
[JOB#2200]

LEAD THROUGH PROGRAMMING FOR PLU

Step No.	Key sequence	Display	Guidance No. (JOB#2644)	Contents
1	2200 → [•] → [@/FOR] →	ENTER PLU#	11	
2	→ XXXXXX → [@/FOR] →	DEPT & TYPE	12	
3	→ ABC → [SBTL] → / → C → DEPT n →	PRICE	2	JOB#1200
4	→ XXXXXX → [SBTL] →	PRICE (Lamped P2)	2	JOB#1210
5	→ XXXXXX → [SBTL] →	PRICE (Lamped P3)	2	JOB#1210
6	→ XXXXXX → [SBTL] →	PRICE (Lamped P4)	2	JOB#1210
7	→ XXXXXX → [SBTL] →	PRICE (Lamped P5)	2	JOB#1210
8	→ XXXXXX → [SBTL] →	BASE Q'TY	13	JOB#1210
9	→ XX → [SBTL] →	PROGRAMMING	3	JOB#1211
10	→ XXXXXXXXXX → [SBTL] →	SIGN AND TAX	4	JOB#2210
11	→ XXXXXX → [SBTL] →	TEXT	6	JOB#2211
12	→ (Character) → [SBTL] →	GROUP	8	JOB#2214
13	→ XXXXXX → [SBTL] →	PRINT STAT.	9	JOB#2216
14	→ XXX → [SBTL] →	CONTROL CHAR	10	JOB#2218
15	→ XXX → [SBTL] →	STOCK	14	JOB#2258
16	→ XXXXXXX → [SBTL] →	MIN. STOCK	15	JOB#1222
17	→ XXXXXXX → [SBTL] →	DEPT & TYPE	12	JOB#1223
PLU No. is able to be entered by the operation of "XXXXXX [@/FOR]".				
18	→ [CA/AT]			
The entry moves the next step by [@/FOR] key and returns the previous step by [CL] key.				

[JOB#1310]

RATE PROGRAMMING



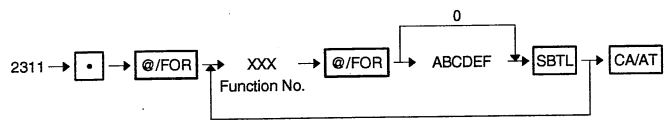
XXX: Fanction No.
YYYY. YYYY: Rate

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		
65	Gratuity	0 to 100.00	Rate
76	Conversion 1	0 to 9999.9999	Rate
77	Conversion 2		
78	Conversion 3		
103	Tip	0 to 100.00	Rate

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
65	Gratuity

A:

Sign	A
+	0
–	1

B:

Food stamp	B
Non food stampable	0
Food stampable	1

C:

Taxable 4	C
Non taxable	0
Taxable	1

D:

Taxable 3	D
Non taxable	0
Taxable	1

E:

Taxable 2	E
Non taxable	0
Taxable	1

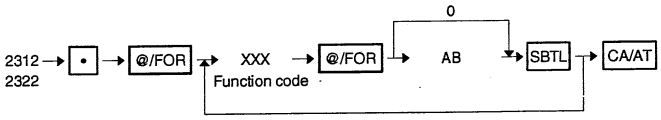
F:

Taxable 1	F
Non taxable	0
Taxable	1

MRS = 100000 (%1~%4, (–)1~(–)4)
000000 (Gratuity ∗ "B" must be "0")

[JOB#2312, 2322]

HALO PROGRAMMING



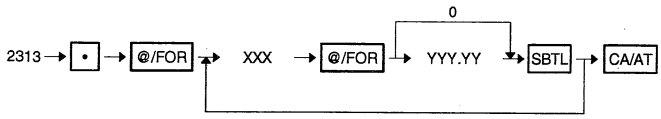
XXX: Function No.
A: Mantissa (0 to 9)
B: Exponent (0 to 8)

JOB#	Function No.	Function	Remarks
2312	1	(–)1	Item B is specificable within the range from 0 to 7.
	2	(–)2	
	3	(–)3	
	4	(–)4	
	32	TAX	
	103	TIP	
	70	RA	Item B is specificable within the range from 0 to 8.
	71	PO	
	72	PO2	
2322	67	CA1	Item B is specificable within the range from 0 to 8.
	68	CA2	
	97	CHK	
	81	CH1	
	83	CH2	
	85	CH3	
	87	CH4	
	89	CH5	
	91	CH6	
	93	CH7	
	95	CH8	

Entry range, system: $A \times 10^{B}$
MRS = 17 ((–)1~(–)4, TAX, TIP)
18 (RA, PO, PG2, CA1, CA2, CHK, CH1~CH8)

[JOB#2313]

MISCELLANEOUS KEY PROGRAMMING (% HALO)

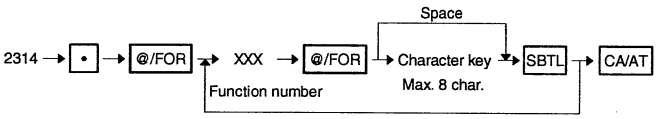


XXX: Function No.
YYY. YY: % HALO

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

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	TAXABLE1 ST	TAX1 ST
11	GROSS TAX1	GRS TAX1
12	REFUND TAX1	RFD TAX1
13	NET TAX1	TAX1
14	EXEMPT TAX1	TX1 EXPT
15	TAXABLE2 ST	TAX2 ST
16	GROSS TAX2	GRS TAX2
17	REFUND TAX2	RFD TAX2
18	NET TAX2	TAX2
19	EXEMPT TAX2	TX2 EXPT
20	TAXABLE3 ST	TAX3 ST
21	GROSS TAX3	GRS TAX3
22	REFUND TAX3	RFD TAX3
23	NET TAX3	TAX3
24	EXEMPT TAX3	TX3 EXPT
25	TAXABLE4 ST	TAX4 ST
26	GROSS TAX4	GRS TAX4
27	REFUND TAX4	RFD TAX4
28	NET TAX4	TAX4
29	EXEMPT TAX4	TX4 EXPT
30	GROSS M-TAX	GRS MTAX
31	REFUND M-TAX	RFD MTAX
32	NET M-TAX	M-TAX
33	NON GST SUBTOTAL	GST EXPT
34	PST TOTAL	PST TTL
35	GST TOTAL	GST TTL
36	FS1 FORGIVE	FS TX1
37	FS2 FORGIVE	FS TX2
38	FS3 FORGIVE	FS TX3
39	TOTAL TAX	TTL TAX
40	NET	NET
41	NET2	NET2
42	COUPON PLU	CP PLU
43	VENDOR COUPON UPC	V. CP UPC
44	EAT IN 1	EAT IN 1
45	EAT IN 2	EAT IN 2
46	EAT IN 3	EAT IN 3
47	DIRECT VOID	DIR VD
48	PAST VOID	PAST VD
49	SBTL VOID	SBTL VD
50	MANAGER VOID	MGR VD
51	VOID MODE	VOID
52	REFUND	REFUND
53	HASH DIRECT VOID	HASH VD
54	HASH PAST VOID	HA P. VD
55	HASH REFUND	HASH RF
56	NO SALE	NO SALE
57	VP COUNTER	VP CNT
58	BILL COUNTER	BILL CNT
59	TRAY COUNTER	TRAY CNT
60	DRAWER COUNTER	DRW CNT
61	PBAL	***PBAL
62	SERVICE	SERVICE
63	COVER COUNT	COVER CT
64	CUSTOMER	TRANS CT
65	GRATUITY	GRATUITY
66	NET3 (SALES)	NET3
67	CASH	CASH
68	CASH2	CASH2
69	FS SALE	FSSALE
70	RA	***RA
71	PO	***PO
72	PO2	***PO2
73	CHECK CASHING	CA/CHK
74	CHECK CHANGE	CHK/CG
75	FS CHANGE	FS/CG

F-NO.	FUNCTION	DEFAULT TEXT
76	CONVERSION1	CONV 1
77	CONVERSION2	CONV 2
78	CONVERSION3	CONV 3
79	CONVERSION4	CONV 4
80	FS IN DRAWER	FS/ID
81	GROSS CHARGE1	CHARGE1
82	REFUND CHARGE1	CHARGE1-
83	GROSS CHARGE2	CHARGE2
84	REFUND CHARGE2	CHARGE2-
85	GROSS CHARGE3	CHARGE3
86	REFUND CHARGE3	CHARGE3-
87	GROSS CHARGE4	CHARGE4
88	REFUND CHARGE4	CHARGE4-
89	GROSS CHARGE5	CHARGE5
90	REFUND CHARGE5	CHARGE5-
91	GROSS CHARGE6	CHARGE6
92	REFUND CHARGE6	CHARGE6-
93	GROSS CHARGE7	CHARGE7
94	REFUND CHARGE7	CHARGE7-
95	GROSS CHARGE8	CHARGE8
96	REFUND CHARGE8	CHARGE8-
97	CHECK	CHECK
98	CASH+CHECK IN DRAWER	CA+CK ID
99	CASH IN DRAWER	****CID
100	DEPOSIT	DEPOSIT
101	DEPOSIT REFUND	DPST RF
102	TIP PAID	TIP PAID
103	TIP IN	TIP IN
104	SERVER GROUP1	GROUP 1
105	SERVER GROUP2	GROUP 2
106	SERVER GROUP3	GROUP 3
107	SERVER GROUP4	GROUP 4
108	SERVER GROUP5	GROUP 5
109	SERVER GROUP6	GROUP 6
110	SERVER GROUP7	GROUP 7
111	SERVER GROUP8	GROUP 8
112	SERVER GROUP9	GROUP 9
113	GROUP1	DPT GP-1
114	GROUP2	DPT GP-2
115	GROUP3	DPT GP-3
116	GROUP4	DPT GP-4
117	GROUP5	DPT GP-5
118	GROUP6	DPT GP-6
119	GROUP7	DPT GP-7
120	GROUP8	DPT GP-8
121	GROUP9	DPT GP-9
122	Price 1 for PLU	LEVEL 1
123	Price 2 for PLU	LEVEL 2
124	Price 3 for PLU	LEVEL 3
125	Price 4 for PLU	LEVEL 4
126	Price 5 for PLU	LEVEL 5

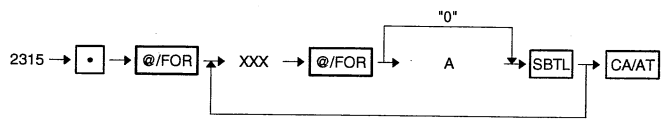
F-NO.	FUNCTION	DEFAULT TEXT
127	Price 1 for UPC	UPC LV-1
128	Price 2 for UPC	UPC LV-2
129	Price 3 for UPC	UPC LV-3
130	Price 4 for UPC	UPC LV-4
131	Price 5 for UPC	UPC LV-5
132	Price 6 for UPC	UPC LV-6
133	(+)DEPT TOTAL	*DEPT TL
134	(–)DEPT TOTAL	DEPT(-)
135	HASH (+)DPT TOTAL	*HASH TL
136	HASH (–)DPT TOTAL	HASH(-)
137	BOTTLE (+)DPT TOTAL	*BTTL TL
138	BOTTLE (–)DPT TOTAL	BTTL(-)
139	SUBTOTAL	SUBTOTAL
140	MDS SBTL	MDSE ST
141	TOTAL	***TOTAL
142	CHANGE	CHANGE
143	DUE	DUE
144	TIP DUE	TIP DUE
145	TRAY TOTAL	TRAY TL
146	FS SBTL	FS ST
147	FS TEND	FS TEND
148	FS CHANGE	FS CG
149	ITEMS	ITEMS
150	BALANCE	BALANCE
151	COPY RCPT TITLE	COPY
152	B.T. TITLE	B.T.
153	SLIP PRINT MESSAGE	SLIP PR.
154	FINAL BALANCE	FIN.BAL
155	FINAL	FINAL (only for PGM)
156	BALANCE FORWARD	BAL FWD
157	CLOSED CHECK	CLOSE CK
158	OPEN CHECK	OPEN CK
159	Percent of Net sale	(%) SALES
160	NEW CODE	NEW CODE
161	PRICE CHANGE	PR CHNG
162	REMAINED CHARGE	CHARGE
163	GROUP01 for PLU	PLU GR01
164	GROUP02 for PLU	PLU GR02
165	GROUP03 for PLU	PLU GR03
166	GROUP04 for PLU	PLU GR04
167	GROUP05 for PLU	PLU GR05
168	GROUP06 for PLU	PLU GR06
169	GROUP07 for PLU	PLU GR07
170	GROUP08 for PLU	PLU GR08
171	GROUP09 for PLU	PLU GR09
172	GROUP10 for PLU	PLU GR10
173	GROUP11 for PLU	PLU GR11
174	GROUP12 for PLU	PLU GR12
175	GROUP13 for PLU	PLU GR13
176	GROUP14 for PLU	PLU GR14
177	GROUP15 for PLU	PLU GR15

F-NO.	FUNCTION	DEFAULT TEXT
178	GROUP16 for PLU	PLU GR16
179	GROUP17 for PLU	PLU GR17
180	GROUP18 for PLU	PLU GR18
181	GROUP19 for PLU	PLU GR19
182	GROUP20 for PLU	PLU GR20
183	GROUP21 for PLU	PLU GR21
184	GROUP22 for PLU	PLU GR22
185	GROUP23 for PLU	PLU GR23
186	GROUP24 for PLU	PLU GR24
187	GROUP25 for PLU	PLU GR25
188	GROUP26 for PLU	PLU GR26
189	GROUP27 for PLU	PLU GR27
190	GROUP28 for PLU	PLU GR28
191	GROUP29 for PLU	PLU GR29
192	GROUP30 for PLU	PLU GR30
193	GROUP31 for PLU	PLU GR31
194	GROUP32 for PLU	PLU GR32
195	GROUP33 for PLU	PLU GR33
196	GROUP34 for PLU	PLU GR34
197	GROUP35 for PLU	PLU GR35
198	GROUP36 for PLU	PLU GR36
199	GROUP37 for PLU	PLU GR37
200	GROUP38 for PLU	PLU GR38
201	GROUP39 for PLU	PLU GR39
202	GROUP40 for PLU	PLU GR40
203	GROUP41 for PLU	PLU GR41
204	GROUP42 for PLU	PLU GR42
205	GROUP43 for PLU	PLU GR43
206	GROUP44 for PLU	PLU GR44
207	GROUP45 for PLU	PLU GR45
208	GROUP46 for PLU	PLU GR46
209	GROUP47 for PLU	PLU GR47
210	GROUP48 for PLU	PLU GR48
211	GROUP49 for PLU	PLU GR49
212	GROUP50 for PLU	PLU GR50
213	GROUP51 for PLU	PLU GR51
214	GROUP52 for PLU	PLU GR52
215	GROUP53 for PLU	PLU GR53
216	GROUP54 for PLU	PLU GR54
217	GROUP55 for PLU	PLU GR55
218	GROUP56 for PLU	PLU GR56
219	GROUP57 for PLU	PLU GR57
220	GROUP58 for PLU	PLU GR58
221	GROUP59 for PLU	PLU GR59
222	GROUP60 for PLU	PLU GR60
223	GROUP61 for PLU	PLU GR61
224	GROUP62 for PLU	PLU GR62
225	GROUP63 for PLU	PLU GR63
226	GROUP64 for PLU	PLU GR64
227	GROUP65 for PLU	PLU GR65
228	GROUP66 for PLU	PLU GR66

F-NO.	FUNCTION	DEFAULT TEXT
229	GROUP67 for PLU	PLU GR67
230	GROUP68 for PLU	PLU GR68
231	GROUP69 for PLU	PLU GR69
232	GROUP70 for PLU	PLU GR70
233	GROUP71 for PLU	PLU GR71
234	GROUP72 for PLU	PLU GR72
235	GROUP73 for PLU	PLU GR73
236	GROUP74 for PLU	PLU GR74
237	GROUP75 for PLU	PLU GR75
238	GROUP76 for PLU	PLU GR76
239	GROUP77 for PLU	PLU GR77
240	GROUP78 for PLU	PLU GR78
241	GROUP79 for PLU	PLU GR79
242	GROUP80 for PLU	PLU GR80
243	GROUP81 for PLU	PLU GR81
244	GROUP82 for PLU	PLU GR82
245	GROUP83 for PLU	PLU GR83
246	GROUP84 for PLU	PLU GR84
247	GROUP85 for PLU	PLU GR85
248	GROUP86 for PLU	PLU GR86
249	GROUP87 for PLU	PLU GR87
250	GROUP88 for PLU	PLU GR88
251	GROUP89 for PLU	PLU GR89
252	GROUP90 for PLU	PLU GR90
253	GROUP91 for PLU	PLU GR91
254	GROUP92 for PLU	PLU GR92
255	GROUP93 for PLU	PLU GR93
256	GROUP94 for PLU	PLU GR94
257	GROUP95 for PLU	PLU GR95
258	GROUP96 for PLU	PLU GR96
259	GROUP97 for PLU	PLU GR97
260	GROUP98 for PLU	PLU GR98
261	GROUP99 for PLU	PLU GR99

[JOB#2315]

MISC KEY PROGRAMMING (%)



XXX: Function No.

A:

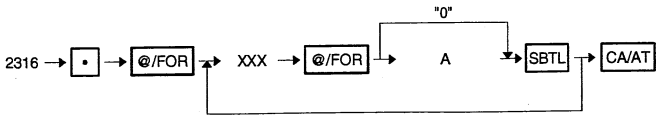
% type	A
Subtotal %	0
Item %	1

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

MRS = 0

[JOB#2316]

MISC KEY PROGRAMMING (⊖)



XXX: Function No.

A:

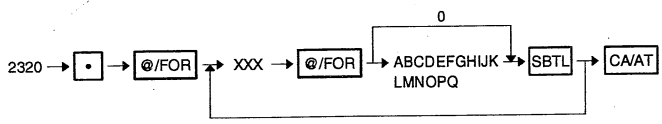
⊖ type	A
Subtotal ⊖	0
Item ⊖	1

Function No.	Function	Remarks
1	(—) 1	
2	(—) 2	
3	(—) 3	
4	(—) 4	

MRS = 0

[JOB#2320]

MEDIA KEY PROGRAMMING



XXX: Function No.

Function No.	Function	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
44	EAT IN 1	×	×	×	×	×	×	×	×	×	×	×	○	○	○	○	×	×
45	EAT IN 2	×	×	×	×	×	×	×	×	×	×	×	○	○	○	○	×	×
46	EAT IN 3	×	×	×	×	×	×	×	×	×	×	×	○	○	○	○	×	×
62	SERVICE	×	×	○	○	×	×	○	×	×	×	×	×	×	×	×	×	×
67	CA 1	○	○	○	○	×	○	○	○	○	×	○	○	○	○	○	○	○
68	CA 2	○	○	○	○	×	○	○	○	○	×	○	○	○	○	○	○	○
69	FS	○	×	○	○	×	○	○	○	○	×	○	×	×	×	×	○	×
81	CH 1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
83	CH 2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
85	CH 3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
87	CH 4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
89	CH 5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
91	CH 6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
93	CH 7	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
95	CH 8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
97	CHK	○	○	○	○	×	○	○	○	○	○	○	○	○	○	○	○	○
155	FINAL	×	×	○	○	×	×	○	×	×	×	×	×	×	×	×	×	×

∗ Items marked with on (○) are programmable.

A: Not used (Fixed at "0")

B:

Short amount tender	B
Enable	0
Disable	1

C, D: Not used (Fixed at "00")

E:

CAT 1/CAT 2/CAT 3	E
CAT	0
CAT 1	1
CAT 2	2
CAT 3	3

F:

Method of retention on closed GC file	F
No retained	0
Retained	1

G:

Bill (Slip) print	G
Non compulsory	0
Compulsory	1

H:

Footer print on receipt	H
No	0
Yes	1

I:

Non-add code entry	I
Non compulsory	0
Compulsory	1

J:

Change due	J
Enable	0
Disable	1

K:

VP	K
Non compulsory	0
Compulsory	1

L:

Taxable 4 delete	L
No	0
Yes	1

M:

Taxable 3 delete	M
No	0
Yes	1

N:

Taxable 2 delete	N
No	0
Yes	1

O:

Taxable 1 delete	O
No	0
Yes	1

P:

Drawer opening	P
Yes	0
No	1

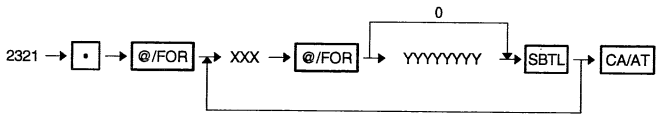
Q:

Entry of amount tended	Q
Non compulsory (Cash, Check) Inhibit (CH1 to CH8)	0
Compulsory	1

MRS=00000000000000000

[JOB#2321]

MEDIA KEY FUNCTION PROGRAM (AMOUNT HALO)

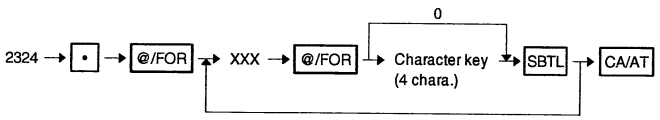


XXX: Function No.
YYYYYYYYY: Limitation amount

Func. No.	Function	Entry range	MRS
99	CID (Sentinel)	0 to 9999999.99	9999999.99
74	CHK CHANGE	0 to 999999.99	999999.99
73	CA/CHK	0 to 999999.99	999999.99

[JOB#2324]

Currency descripter check



XXX: Function code

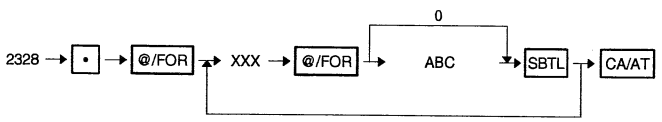
Function No.	Function
76	Conversion1
77	Conversion2
78	Conversion3
79	Conversion4

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

MRS = "SPACE"

[JOB#2328]

PRINT STATION PROGRAMMING



XXX: Function No.

Function No.	Function
62	SERVICE
67	CA1
68	CA2
69	FS
81	CH1
83	CH2
85	CH3
87	CH4
89	CH5
91	CH6
93	CH7
95	CH8
97	CHK
155	FINAL

A:

KP1 No. of in-line	A
No output	0
KP1 No.	1~9

B:

KP2 No. of in-line	B
No output	0
KP2 No.	1~9

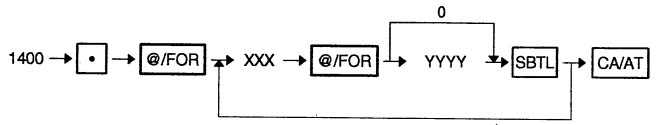
C:

Chit receipt	C
No	0
Yes	1

MRS=000

[JOB#1400]

SERVER CODE DIFINITION

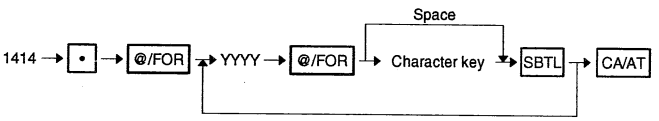


XXX: Server No.= 1 ~ 255
YYYY: Server code = 0000 ~ 9999

MRS = 0001;1, 0002;2, 0003;3, 0004;4, 0005;5, 0006, 6

[JOB#1414]

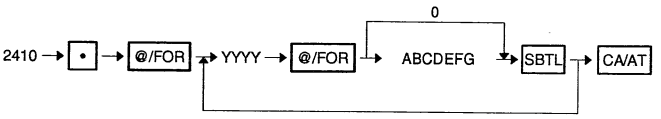
SERVER NAME PROGRAMMING



YYYY: Server code = 0001 ~ 9999
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 = 'Server00X' X = 1 ~ 6

[JOB#2410]

SERVER PROGRAMMING



YYYY: Server code = 0001~9999
A, B, C, D, E, F: Not used (Fixed at "000000")

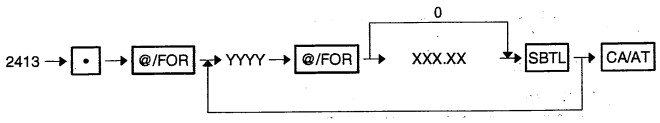
G:

Drawer No.	H
Not open	0
Drawer No.	1~4

MRS = 000001

[JOB#2413]

SERVER NET SALES % RATE

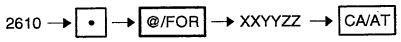


YYYY: Server code (0001 to 9999)
XXX.XX: Net sales % rate (0.00 to 100.00)

MRS = 0.00

[JOB#2610]

DATE SETTING



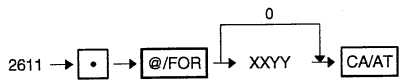
XXYYZZ: Date (Year-Month-Day/Day-Month-Year/Month-Day-Year)

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

MRS = 010100

[JOB#2611]

TIME SETTING

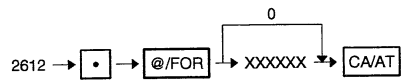


XX: Hour (00 ~ 23)
YY: Minute (00 ~ 59)

MRS = 0

[JOB#2612]

MACHINE NUMBER SETTING

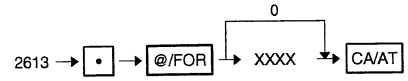


XXXXXX: Machine number (0 ~ 999999)

MRS = 0

[JOB#2613]

CONSECUTIVE NUMBER SETTING

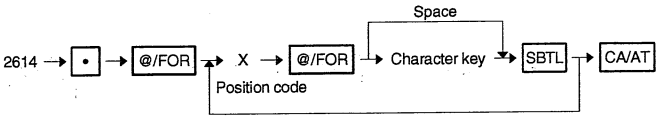


XXXX: Consecutive number (0000 ~ 9999)

MRS = 0000

[JOB#2614]

LOGO TEXT PROGRAMMING



X: 1 ~ 6

1	(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.

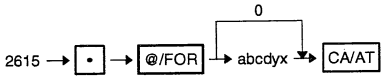
MRS =

SHARP
PRESENTS THE
ER-A610
SHARP
IS THE
BEST

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 the limits to initial slip feed line, No. of times of slip printing, TRY ST feed line and No. of times of validation printing.



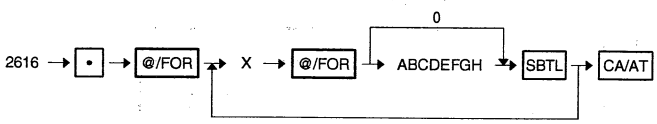
a, b:	Initial slip feed line	= 0 ~ 64
c, d:	Slip print max line No.	= 0 ~ 99
Y:	No. of times of validation printing	= 0 ~ 9
Z:	Feed line after depression of TRAY ST key.	= 0 ~ 9

It can be programmed in the SRV mode whether or not to validate the limits to slip initial feed, the No. of times of slip printing, and number of times of validation printing.

MRS = 009910

[JOB#2616]

OPTIONAL FEATURE



X: 1 MRS = 00000000

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

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

C: Not used (Fixed at "0")

D:	"RFND" key entry in REG mode	D
	Enable	0
	Disable	1

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

F:	In direct void in REG mode	F
	Enable	0
	Disable	1

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

H:	Refund and Return VP	H
	Non compulsory	0
	Compulsory	1

X: 2 MRS = 00000000

A:	The first last item void	A
	Enable	0
	Disable	1

B:	PLU level shift system	B
	Auto	0
	Manual	1

C:	PLU level shift system	C
	MGR & REG mode	0
	MGR mode	1

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

E:	Time print	E
	Yes	0
	No	1

F:	Printing of journal	F
	Full print	0
	Journal select	1

G:	Item VP	G
	Enable	0
	Disable	1

H:	(–) VP	H
	Non compulsory	0
	Compulsory	1

X: 3 MRS = 00000000

A:	Zero skip in UPC report	A
	Yes	0
	No	1

B:	Zero skip in Server report	B
	Yes	0
	No	1

C: Not used (Fixed at "0")

D:	Zero skip in Transaction report	D
	Yes	0
	No	1

E:	Zero skip in Dept. report	E
	Yes	0
	No	1

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

G:	Zero skip in Hourly report	G
	Yes	0
	No	1

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

X: 4 MRS = 00000000

A:	Share % printing in Department report	A
	Yes	0
	No	1

B:	Tip entry method	B
	Amount entry	0
	Fix-rate entry	1

C, D, E: Not used (Fixed at "000")

F:	Cover count entry	F
	Non compulsory	0
	Compulsory	1

G:	Table number entry	G
	Inhibit	0
	Compulsory	1

H:	When PLU level system is "Auto" (X:2 B = 0), PLU level returns method	H
	By one item	0
	By one receipt	1

X: 5 MRS = 00000000

A, B, C, D, E: Not used (fixed at "00000")

F:

PLU price shift system	F
MGR & REG mode	0
MGR mode	1

G:

PLU price shift system	G
Auto	0
Manual	1

H:

When PLU price shift system is "Auto" (X:5 G = 0), PLU price returns method	H
By one item	0
By one receipt	1

X: 6 NOT USED MRS = 00000000

X: 7 MRS = 00000000

A:

Void mode in REG mode	A
Enable	0
Disable	1

B:

(–) entry in REG mode	B
Enable	0
Disable	1

C:

No sale in REG mode	C
Enable	0
Disable	1

D:

Finalization in REG mode when SBTL is zero	D
Enable	0
Disable	1

E: Not used (Fixed at "0")

F:

Tip paid in REG mode	F
Enable	0
Disable	1

G, H: Not used (Fixed at "00")

X: 8 MRS = 00000000

A, B, C, D: Not used (Fixed at "0000")

E:

Validation printing of check cashing	E
Non compulsory	0
Compulsory	1

F:

Validation printing of RA	F
Non compulsory	0
Compulsory	1

G:

Validation printing of PO	G
Non compulsory	0
Compulsory	1

H:

Validation printing of Tip in/Tip paid	H
Non compulsory	0
Compulsory	1

X: 9 NOT USED MRS = 00000000

X: 10 MRS = 01000000

A: Not used (Fixed at "0")

B:

Action shift key	B
Shift	0
Caps Lock	1

C:

Learning function of UPC entry	C
Yes	0
No	1

D, E, F, G, H: Not used (Fixed at "00000")

X: 11 MRS = 10001000

A:

Customer data	A
Detail	0
Sales total	1

B, C, D: Not used (Fixed at "000")

E:

Delete method of non-accessed UPC data	E
DELETE key and automatically after Transaction Z1	0
DELETE key	1

F, G, H: Not used (Fixed at "000")

X: 12 MRS = 00000011

A, B, C: Not used (Fixed at "000")

D:

Non-payment customer report	D
Change amount	0
Detail	1

E: Not used (Fixed at "0")

F:

Customer code	F
Prescription	0
Free code	1

G:

Opening of customer file during transaction	G
In REG & MGR mode	0
In MGR mode	1

H:

Price change function	H
In REG & MGR mode	0
In MGR mode	1

X: 13 MRS = 00000001

A, B, C: Not used (Fixed at "000")

D:

Printing of price shift text on the Receipt/Journal	D
Yes	0
No	1

E:

Server drawer assignment	E
Inhibit	0
Compulsory	1

F:

Treating the EAN8 code 200 as PLU	F
Yes	0
No	1

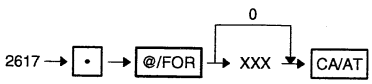
G: Not used (Fixed at "0")

H:

Price entry after ISBN or ISSN	H
Compulsory	0
Inhibited	1

[JOB#2617]

PROGRAMMING OF THE TIME INTERVAL FOR DRAWER ALARM

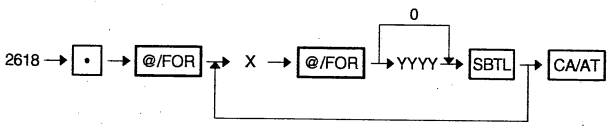


XXX: 0 ~ 255 sec

MRS = 000

[JOB#2618]

Scale table programming

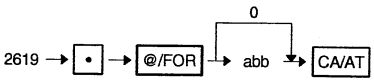


X: Table No. = 1~9
YYYY: Weight = 0~99.99

MRS = 0000

[JOB#2619]

HOURLY REPORT (Starting time)



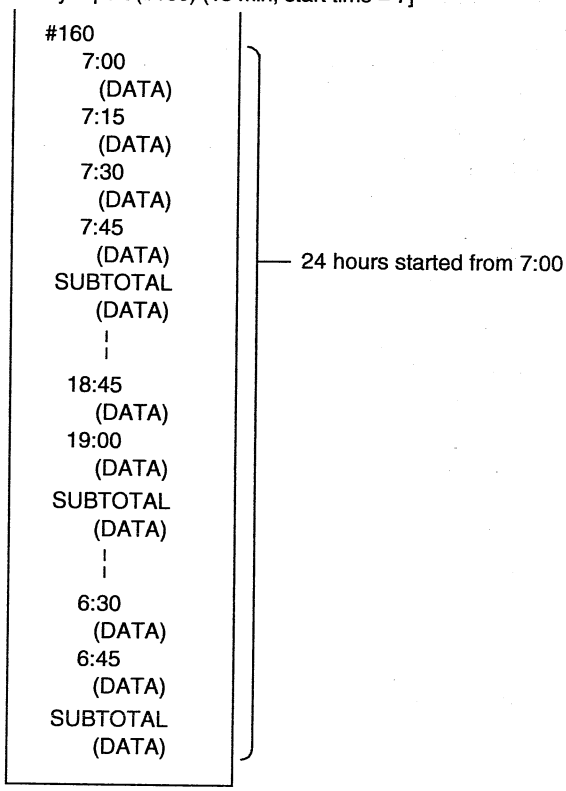
a:

Memory format	A
30 minuits (24 hour)	0
15 minuits (24 hour)	1

bb: Starting time (hour): 00 ~ 23

ex)
Case 1.

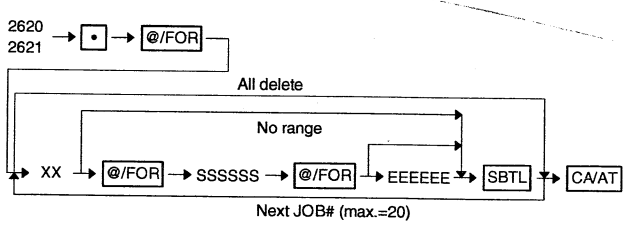
X1 Hourly report (#160) (15 min, start time = 7]



[JOB#2620, 2621]

STACK REPORT 1 and 2

JOB#2620: STACK REPORT 1
JOB#2621: STACK REPORT 2



XX: JOB#
SSSSSS: Start code
EEEEEE: End code

In the ER-A610, the shaded section ( ) of the MESSAGE TEXT is not used.

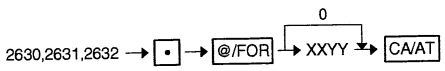
JOB#	REPORT NAME	TYPE
09	All UPC	
04	UPC stock	
07	UPC zero sales	
08	UPC minimum stock	
10	DEPT.	
13	DEPT. All group	
19	Markdown by Dept.	
20	PLU	RANGE-1
23	PLU All group	
24	PLU stock	RANGE-1
27	PLU zero sales	
28	PLU minimum stock	RANGE-1
30	Transaction	
31	CID	
33	Tax	
40	All server	
60	Hourly	RANGE-4 (only X report)
68	Dynamic UPC clear	
69	Dynamic UPC	
70	Daily net	
80	GLU	RANGE-2
82	Closed GLU	RANGE-2
85	Customer	RANGE-3
87	Customer non-access	
88	Customer no payment	

[**]
Max. 80 step are programmable. "1 step" means the memory size used for one no range type JOB#.
The RANGE-1 type JOB# means "8 steps".
The RANGE-2 type JOB# means "10 steps".
The RANGE-3 type JOB# means "16 steps".
The RANGE-4 type JOB# means "6 steps".

For example)
The memory size for programming JOB#00, 20 and 50 is 10 steps. (ie. 1 step for JOB#00, 8 step for JOB#20, and 1 step for JOB#50.)

[JOB#2630, 2631, 2632]

SECRET CODE PROGRAMMING



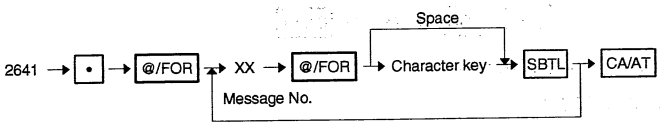
#2630: PGM1 mode
#2631: X1/Z1 mode
#2632: X2/Z2 mode

* If "0" is entered, "compulsory secret code entry" is canceled.

MRS = 0

[JOB#2641]

MESSAGE TEXT PROGRAMMING



X: Message No. = 1~79
In the ER-A610, the shaded section ( ) of the MESSAGE TEXT is not used.

Message No.	Description	MRS
1	Registration error	ENTRY ERROR
2	Misoperation error	MISOPERATION
3	Desired code is not programmed yet.	NO RECORD
4	Paper empty	PAPER EMPTY
5	Secret code error	SECRET CODE
6	Code is not free	NOT FREE
7	Memory is full	MEMORY FULL
8	Insert slip paper	INSERT SLIP
9	The server has enterd a code for which he or she is not authorized.	NO AUTHORITY
10	(reserved)	
11	Compulsory of pushing the SBTL key	SBTL COMPUL.
12	Compulsory of tendering	TEND COMPUL.
13	Compulsory of PB entry	PB COMPUL.
14	(reserved)	
15	Compulsory of cover count entry	COV CNT COMP
16	Check digit error	C/D ERROR
17	IRC non reset error	NON RESET
18	Retry message	RETRY ?
19	After Z1 report	ENTRY ERR Z
20	KP off line	OFF LINE
21	KP motor lock	MOTOR LOCK
22	(reserved)	
23	(reserved)	
24	Server reseting over entry	ENTRY ERR SR
25	Set slip paper again	SLIP SET
26	File type error	TYPE ERROR
27	Power off	POWER OFF
28	In line busy	IRC BUSY
29	In line error	IRC ERROR
30	Tendering compulsory error for tip	TIP ERROR
31	Compulsory of non-add code entry	# COMPULSORY
32	The cashier key is not pushed or inserted.	NOT ASSIGNED
33	The cashier key is changed in the transaction.	NOT CHANGE
34	Overflow limitation	OVER LIMIT.
35	The open price entry is inhibited.	INH. OPEN PR
36	The unit price entry is inhibited.	INH. UNIT PR
37	The direct non-tendering finalization after previous tender entry is inhibited.	NOT NON-TEND
38	Read error of Scale	SCALE ERROR

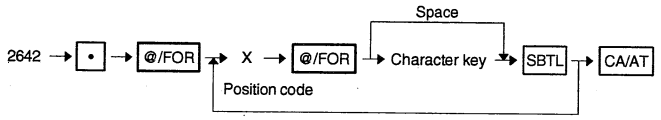
Message No.	Description	MRS
39	(reserved)	
40	KP buffer full	BUFFER FULL
41	KP hard error	HARD ERROR
42	Open store	OPEN STORE
43	Close store	CLOSE STORE
44	Sending of Z data	SENDING
45	Sign on	SIGN ON
46	Master down	MASTER DOWN
47	Back up master down	BACKUP DOWN
48	Entry check#	CHECK#
49	Entry cover count	COVER COUNT
50	Entry table number	TABLE#
51	(reserved)	
52	Closed file full	C. FILE FULL
53	(reserved)	
54	Entry tare weight	ENTR TARE WT
55	Server already signs on	ALREADY ON
56	KP partial print	PRT ORDER
57	KP full print	FULL ORDER
58	(reserved)	
59	(reserved)	
60	T-LOG buffer not empty	T.LOG REMAIN
61	Desired code is not programmed yet. It is used in Learning function.	NO RECORD
62	Entry of Price and Dept No. (For Learning function)	PRICE → DEPT
63	Entry of Price and Dept No. (For Price change function)	PRICE & DEPT
64	Entry of Department No.	DEPT #
65	Entry of Name	NAME
66	Entry of Address	ADDRESS
67	REG Buffer full	BUFFER FULL
68	T. log Full	T.LOG FULL
69	(reserved)	
70	Price entry at UPC refund	ENTER PRICE
71	UPC file is full	UPC FULL
72	(reserved)	
73	(reserved)	
74	Delete not-worked UPC file	N/W UPC DEL.
75	Delete not-worked Customer file	N/W CST DEL.
76	Closed drawer error	CLOSE DRAWER
77	Price shift error	ENTER P. SFT
78	Drawer# entry compulsory	ENTER DR#
79	Reading of undefined Vender CP UPC	OP ENTER

Amessage is 12 characters

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 (3 digits)
Please refer to section 3

[JOB#2642]

VP TEXT PROGRAMMING



X: Position code = 1 to 3

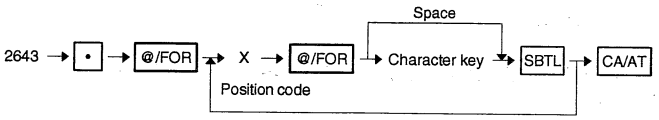
Characters can be entered by using character keys or numeric keys. the key entery sequence for entering one character by numeric keys is as follows:
XXX → 00 key XXX: Character code (3 digits)
Please refer to section 3

1 Block max. 21 characters

MRS = "
"
"FOR DEPOSIT ONLY "

[JOB#2643]

SLIP TEXT PROGRAMMING



X: Position code = 1 to 3

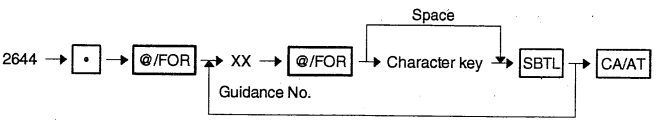
Characters can be entered by using character keys or numeric keys. the key entery sequence for entering one character by numeric keys is as follows:
XXX → 00 key XXX: Character code (3 digits)
Please refer to section 3

1 Block max. 21 characters

MRS = "Space"
"Space"
"Space"

[JOB#2644]

GUIDANCE TEXT PROGRAMMING FOR LEAD THROUGH PROGRAMMING



XX: Guidance No. = 1~13

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 (3 digits)
Please refer to section 3

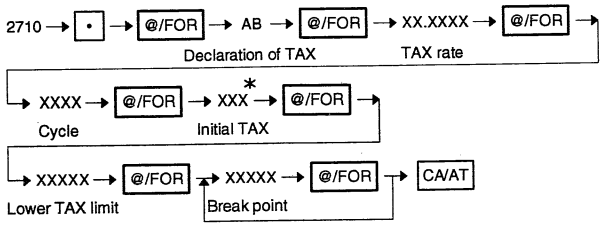
1 text max. 12 characters

Guidance No.	MRS
1	ENTER DEPT#
2	PRICE
3	PROGRAMMING
4	SIGN AND TAX
5	HALO & LALO
6	TEXT
7	SERVER GROUP
8	GROUP
9	PRINT STAT.
10	CONTROL CHAR

Guidance No.	MRS
11	ENTER PLU#
12	DEPT & TYPE
13	BASE Q'TY
14	STOCK
15	MIN. STOCK
16	ENTER UPC#
17	CUSTOM. CODE
18	NAME
19	ADDRESS

[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 and less than 100 dollar, 36 breakpoints is programmed for each table.)

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

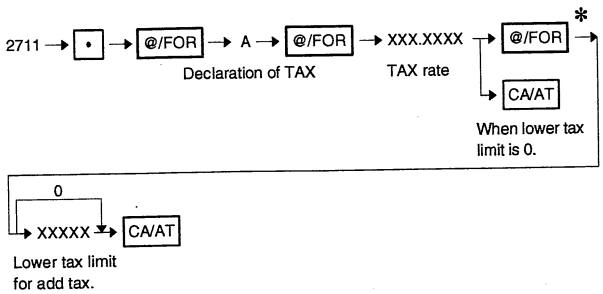
A: INTERVAL BETWEEN BREAKPOINTS IS 1 DOLLAR OR MORE AND LESS THAN 100 DOLLAR = 1
INTERVAL BETWEEN BREAKPOINTS IS BELOW 1 DOLLAR = 0

B: TABLE 1 PROGRAMMING = 1
TABLE 2 PROGRAMMING = 2
TABLE 3 PROGRAMMING = 3
TABLE 4 PROGRAMMING = 4

MRS = NO TAX

[JOB#2711]

TAX RATE PROGRAMMING



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

A:

Tax programming	A
Tax1	1
Tax2	2
Tax3	3
Tax4	4

xxx.xxxx: Rate = 0.0000~999.9999%
LOWER TAX LIMITATION max. 999.99
(This is invalid in VAT system.)

MRS = 0

[JOB#2850]

Programming of customer code, name and address

Step No.	Key sequence	Display
1	2850 → • → @/FOR →	CUSTOM. CODE
2	(Scanning) → XXXXXXXXXXXX → @/FOR (Customer code)	NAME
3	→ (Name) → SBTL → (16 chara.) → 4 → SBTL → (Delete)	ADDRESS
4	→ (Address) → SBTL → (32 chara.)	CUSTOM. CODE
5	→ CA/AT	

The entry moves the next step by @/FOR key and returns the previous step by CL key.

[JOB#2851]

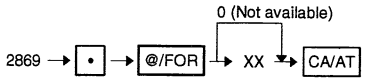
Programming of customer code, name and address for new customer code which is programmed by the learning function.

Step No.	Key sequence	Display
1	2851 → • → @/FOR →	Programmed name is displayed
2	(Scanning) → XXXXXXXXXXXX → @/FOR (Customer code)	Programmed name is displayed
3	→ (Name) → SBTL → (16 chara.) → 4 → SBTL → (Delete)	Programmed address is displayed
4	→ (Address) → SBTL → (32 chara.)	Name of next code is displayed
5	→ CA/AT	

The entry moves the next step by @/FOR key and returns the previous step by CL key.

[JOB#2869]

Programming of delete period for customer detail data



XX: Delete period = 0~99 months
When XX is "00", the customer detail data is not deleted.

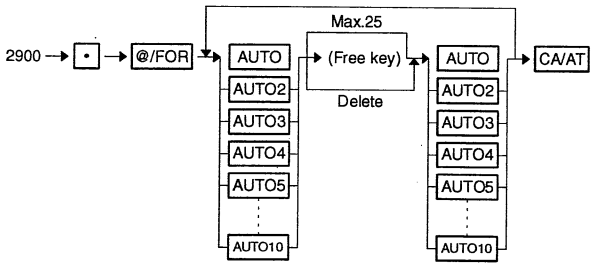
MRS = 12

[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 programed.

<Example>
Mode switch
⇓
(X2/Z2)

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

(REG)

Key entry	R/J	Display	Comment
AUTO	PL000001 $1.10	PL0000001 1.10	same as PLU1 entry
		1	same as 1 entry
		10	same as 0 entry
		100	same as 0 entry
	PL000001 $1.00	DEPT02 1.10	same as DEPT2 entry

(X2/Z2)

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

(REG)

Key entry	R/J	Display	Comment
DEPT 1 AUTO 2	DEPT01 $1.00	DEPT01 1.10	
		1	same as 1 entry
		10	same as 0 entry
		100	same as 0 entry
	***TOTAL $1.00	CHANGE 0.00	same as CA/AT entry
	CASH $1.00		
	CHANGE $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 concective number is printed as same number m receipt/journal printer and slip printer.
In the training mode, the concective number is counted up.

3. Character assignment method

The ER-A610 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 ~

→ [@/FOR] → Push alphabetic → [SBTL]
Repeat

Programming key layout (ER-A610)

① Normal character

↑ RECEIPT	↑ JOURNAL					A*	B*	C*	D*	E*	F*	G*	H*	I*	J*
				K*			(#)	(DC)	(INQ)		L*	M*	0	1	
(SHIFT)	(←)	(→)		N*	O*	P*								2	3
(SPACE)	(DELETE)	(BACK SPACE)		@/for	•	CL		Q*		R*				4	5
(INSERT)	/	&		7	8	9		S*		T*				6	7
%	–	$		4	5	6		U*		V*				8	9
:		.		1	2	3		W*		X*				SBTL	
(		)		0		00		Y*		Z*				CA/AT	

: Disable dummy keys

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

~ Using ten key ~

→ [@/FOR] → XXX → [00] → [SBTL]
3 digits
Repeat

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

CODE	CHARACTER
055	7
056	8
057	9
058	:
059	;
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

CODE	CHARACTER
078	N
079	O
080	P
081	Q
082	R
083	S
084	T
085	U
086	V
087	W
088	X
089	Y
090	Z
091	Ä
092	Ö
093	Ü
094	^
095	_
096	‘
097	a
098	b
099	c
100	d

CODE	CHARACTER
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
116	t
117	u
118	v
119	w
120	x
121	y
122	z
123	{

CODE	CHARACTER
124	|
125	}
126	β
127	c
128	!!
129	1
130	2
131	3
132	4
133	½
134	FT
135	←
136	→
137	∞
138	∞
139	◀
140	▶
141	F
142	T
253	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 (individual clerk 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

X/Z MODE JOB# LIST

	MODE *1								
	OP X/Z		X1/Z1		X2/Z2		*3 DATA FOR		
REPORT NAME	X	Z	X1	Z1	X2	Z2	JOB#	READING	NOTE
UPC			0	0	0	0	09	ALL PICK UP	*4
UPC BY DEPT			0	0	0	0	01	DPT CODE	
UPC STOCK			0				04	ALL PICK UP	*4
UPC ZERO SALES			0		0		07	ALL	
EAN/UPC ZERO SALES BY DEPT			0		0		07	DPT CODE	
UPC MINIMUM STOCK			0				08	ALL	
DEPT			0	0	0	0	10	—	
IND. GROUP			0		0		12	GROUP No	
GROUP TOTAL			0		0		13	—	
MARKDOWN FOR DEPT			0		0		19	—	
PLU BY RANGE			0	0	0	0	20	PLU CODE	*2
PLU BY DEPT			0	0	0	0	21	DPT CODE	
PLU IND. GR.			0		0		22	GROUP No	
PLU GR. TL			0		0		23	—	
PLU STOCK			0				24	PLU CODE	*2
PLU ZERO SALES			0		0		27	ALL	
PLU ZERO SALES BY DEPT			0		0		27	DPT CODE	
PLU MINIMUM STOCK			0				28	*2	
TRANSACTION			0	0	0	0	30	—	
CID			0				31	—	ALL SERVER
TAX			0		0		33	—	
ALL SERVER			0	0	0	0	40	—	
IND. SERVER	0	0	0	0	0	0	41	—	
HOURLY (ALL)			0	0			60		
(RANGE)			0				60	*2	
DAILY NET					0	0	70		
CUSTOMER SALES					0	0	85 89	*2	
CUSTOMER BY SALES RANGE					0		86	MIN./MAX. AMOUNT	
CUSTOMER NON-ACCESS					0		87	ALL	
CUSTOMER NO PAYMENT					0		88	ALL	
STACKED REP			0	0	0	0	90-91		

Delete of non-accessed EAN/UPC:
[DELETE]; X1/Z1 mode
Delete of non-accessed Customer code:
[CUST] → [DELETE] ; X2/Z2 mode

* At this operation, the deleted EANs or Customer data are printed.

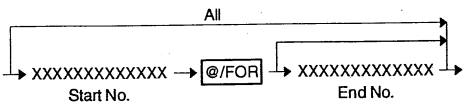
Stop of printing reports:
The printing of all reports can be stopped by the following operation.

Changing of Receipt switch during printing reports.
ON → OFF or OFF → ON

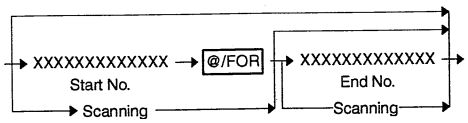
Note) When the printing is stopped, the consecutive number or Z counter don't return to the original value.
When Z reports, Memory is not reset.
In In-line system, when Master has consolidated the data from the satellite, ECR can not stop the printing.

*1 X1: Daily X report Z1: Daily Z report
X2: Periodic X report X2: Periodic Z report

*2 The time interval range, PLU code, or customer 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.

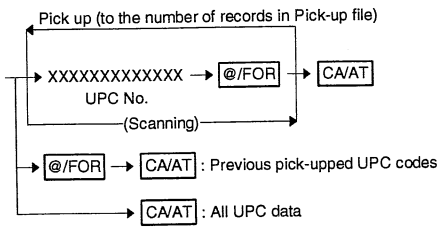


In case of Job#285



*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

*4 (Pick-up reports from UPC/D-UPC items)
Those reports asterisked (*4) in the above list can pick up some UPC data which you want to watch from UPC or D-UPC file.



- An individual report is printed on the receipt and journal when the TL 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)

CHAPTER 4. FILE DATA TRANSMISSION (ER-02FD = 02FD MODE)

When using the 02FD mode, set the DIP switch of the ER-02FD as follows.

DS-1								DS-2			
1	2	3	4	5	6	7	8	1	2	3	4
OFF	ON	ON	ON	ON	OFF	OFF	OFF	X	OFF	ON	OFF

Data rate

5	6	Rate [bps]
OFF	OFF	19200
ON	OFF	9600
OFF	ON	4800
ON	ON	2400

Disk format
CCP/M: OFF
PC-DOS: ON

1. Overview of the ER-02FD function

The ER-02FD function is intended for dumping (loading a floppy disk in the ER-02FD floppy disk drive with files stored in an ECR on a file-by-file basis) and loading (loading an ECR with files stored in a floppy disk in the ER-02FD on a file-by-file basis). The file name of each file in a floppy disk is composed of its file number and the machine number of the ECR.
Appending a machine number to each file name enables the same file in multiple ECRs to be loaded into a single disk. For example, when the file number of a department transaction file is "110" and it is loaded from an ECR whose machine number is 123456 into a floppy disk, the file name of that file is as follows.

File name: F 110 3456
- 3456 → Machine number (Lower 4 digits)
- 110 → File number
- F → The letter "F" must head any file name.

The file name of PRESET FILE does not append a machine number. Because the data of preset file must be able to loaded to ECR.
For example, when the file number of a department preset file is "10" and it is loaded from an ECR whose machine number is "10" and it is loaded from an ECR whose machine number is 123456 into a floppy disk, the file name of that file is as follows:

File name: F 010 XXXX
- XXXX → Dummy Machine number
- 010 → File number
- F → The letter "F" must head any file name.

The ECR has the following functions for the ER-02FD floppy disk drive.

1. Formatting a floppy disk in the ER-02FD
2. Reference to the directory in a floppy disk placed in the ER-02FD
3. Deletion of files from a floppy disk in the ER-02FD
4. Sending file data to the ER-02FD
5. Receiving file data from the ER-02FD
6. Presetting of stack files
7. Sending stack file data to the ER-02FD
8. Receiving stack file data from the ER-02FD

Data communications between the ECR and the ER-02FD are always started by the ECR. This means that performing a specified key operation at the ECR activates its ER-02FD function.
The file type of each file name is fixed at "DAT" in the ER-02FD.
This means that those files that are preset in a floppy disk placed in the ER-02FD are all data files.

2. List of Job numbers

PGM2 Mode

Job#	Contents	Mode
893	Formatting a floppy disk	PGM2
894	Reference to the directory in a floppy disk	PGM2
895	Deletion of files from a floppy disk	PGM2
896	Sending file data to the ER-02FD	PGM2
898	Receiving file data to the ER-02FD	PGM2
887	Stack file presetting 1	PGM2
888	Stack file presetting 2	PGM2
889	Sending stack file data (preset1) to the ER-02FD	PGM2
890	Receiving stack file data (preset1) from the ER-02FD	PGM2
891	Sending stack file data (preset2) to the ER-02FD	PGM2
892	Receiving stack file data (preset2) from the ER-02FD	PGM2

Reading

PGM Mode

Job#	Contents	Mode
887	Reading of preset stack files	PGM2

3. Errors That May Occur in Data Communication between the ECR and the ER-02FD

If any error occurs due to imperfect floppy disk or other causes during data communication between the ER-02FD and the ECR, its journal printer prints the corresponding error status number.
The following errors may occur during data communication between the ER-02FD and the ECR.

Error Status No.	
1	Command error
2	No floppy disk is set.
3	No file is present.
4	Specified file is not present.
5	Those files whose file names are identical are present.
6	Specified file ID read only file.
7	Empty file has been read.
8	Insufficient disk capacity
9	The number of files exceeds the limit.
10	Floppy disk write protect error
12	Files are present in the floppy disk when it is formatted.
16	Send error (Check sum error, etc.)
17	Send error (Overrun error, etc.)
19	Floppy disk error (File writing cannot be made correctly.)

Error Status No.	
20	Floppy disk error (Formatting cannot be made correctly.)
23	Floppy disk error (File cannot be read correctly.)
24	the setting of the dip switch does not agree with disk format.
25	"No connection" error (the ER-02FD is not correctly connected.)
26	Receive error (Parity error)
27	Receive error (Check sum error)
28	Receive error (Buffer overflow error)
29	Hardware error
30	Power-off error (The ER-02FD is turned off.)
31	time-out error

SAMPLE PRINT FORMAT

A file deletion was attempted, but the floppy disk was protected against writing.

```
#0895 *PGM2*

DELETE

F1103456.DAT  ERROR10
```

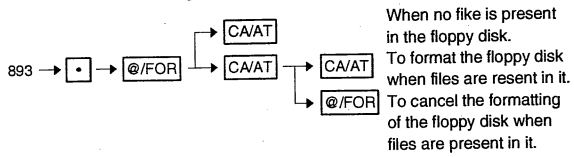
WRITE PROTECT ERROR

4. Detailed Description of the ER-02FD function

4-2) Formatting a floppy disk

This function causes the ECR to send a floppy disk format command to the ER-02FD.

Procedure for PGM job #893



The floppy disk in the ER-02FD connected to the ECR can be formatted by performing the above job.
If any file is present in the floppy disk, the ECR displays "FD FORMAT OK?" when the TL key is pressed after the @/FOR key in the above procedure.
To format the disk, it is necessary to press the TL key; and to cancel the formatting, it is necessary to press the @/FOR key.

PRINT FORMAT
When disk formatting has successfully terminated:

```
#0893 *PGM2*

FD FORMAT          OK
```

JOB CODE/MODE TITLE

When disk formatting has been canceled:

```
#0893 *PGM2*

             ERROR12

FD FORMAT          OK
```

Files that are the same in file name are present.

DISPLAY FORMAT
FORMAT/CANCEL?

```
FD FORMAT    OK?
```

During formatting

```
FD FORMAT    001
```

Counter

In floppy disk formatting the model name of the ECR is automatically appended as a volume label.

4-3) Reference to the directory in a floppy disk

This function causes the ECR to print the directory in a floppy disk placed in the ER-02FD.

Procedure for PGM job #894

894 → @/FOR → CA/AT

The directory in a floppy disk placed in the ER-02FD connected to the ECR can be printed on the receipt and journal by performing the above job.

PRINT FORMAT
When reference to the directory has successfully terminated:

```
#0894 *PGM2*

DIRECTORY

F1101111.DAT
F010XXXX.DAT
F1202222.DAT XXXX
F1303333.DAT
```

JOB CODE/MODE TITLE

EMPTY FILE *
(FILE No.)

* The empty file refers to a file that contains no data items.
Such a file is created when a write error occurs due to a certain cause during file creation by the ER-02FD, resulting in unusual file creation.

When reference to the directory has terminated with an error:

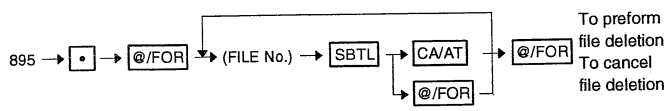
```
#0894 *PGM2*

DIRECTORY

F1101111.DAT
F010XXXX.DAT
             ERROR22
```

ERROR22
(FD ERROR)

4-4) Deletion of files from a floppy disk

This function causes the ECR to send a file delete command to the ER-02FD.

Procedure for PGM job #895



Any specified file can be deleted from a floppy disk in the ER-02FD connected the ECR by performing the above job.
The ECR displays "(FILE NAME) DEL?" when the TL key is pressed after the entry of a file number in the above procedure.
To delete the file, it is necessary to press the TL key; and to cancel the file deletion, it is necessary to press @/FOR key.
Each file number is peculiar to respective ECR models.

PRINT FORMAT

When file deletion has successfully terminated:

```
#0895 *PGM2*
DELETE
F1100111.DAT        OK
```

JOB CODE/MODE TITLE

When file deletion has been canceled:

```
#0895 *PGM2*
DELETE
F1100111.DAT CANCEL
```

DISPLAY FORMAT

DELETE/CANCEL

```
F1100111      DEL?
```

During deletion

```
DELETE   F1100111
```

4-5) Sending file data to the ER-02FD

This function causes the ECR to send files to the ER-02FD.
Procedure for PGM job #896

896 → [•] → [@/FOR] → (FILE No.) → [CA/AT] → [CA/AT] To send file name
[CA/AT] → [@/FOR] To cancel thesend filmoperation

The ECR can send specified files to a floppy disk in the ER-02FD connected to it when the above job is performed.
If a specified file is not present in the floppy disk, the corresponding file is created, and if a specified file is present in the floppy disk, that file is deleted and new file data is written to the disk.
If any specified file is not present in the ECR, a "ENTRY ERROR" error occurs.
The ECR displays "(FILE NAME) SEND?" when the TL key is pressed after the entry of a file number in the above procedure. To send the file, it is necessary to press the TL key; and to cancel the send operation, it is necessary to press the [@/FOR] key.

PRINT FORMAT

When the send operation has successfully terminated:

```
#0896 *PGM2*
SEND
F1100111.DAT        OK
```

JOB CODE/MODE TITLE

When the send operation has been canceled:

```
#0896 *PGM2*
SEND
F1100111.DAT CANCEL
```

DISPLAY FORMAT

SEND/CANCEL

```
F1100111      SEND?
```

During sending

```
SEND      F1100111
```

The ER-02FD function checks the capacity of a floppy disk placed in the ER-02FD before file data is sent to it.
If the disk capacity is found insufficient (or error 8 occurs) in this checking, file data of the size that can be stored in that disk is sent to the ER-02FD to create one file and the remaining data can be sent after that disk has been replaced with a new floppy disk. This function is called multi media function.

Example: Creation of a PLU transaction file (F1201111.DAT)

1. Creation of a PLU transaction file is attempted, but the disk capacity is found insufficient.

   PRINT FORMAT

   ```
   #0896 *PGM2*
   SEND
                ERROR 8
   ```

   JOB CODE/MODE TITLE

   DISPLAY FORMAT

   ```
   F1100111      OK?
   SEND OR CANCEL?
   ```

   Either the [@/FOR] key (to cancel the send operation) or the TL key (to send file data) can be entered.

2. The TL key is entered to create a file of the size that is within the remaining capacity of the disk.

   ```
   DISPLAY    FORMAT

   SEND     F1201111
   ```

3. File creation terminates successfully and a request for floppy disk replacement is made.

   PRINT FORMAT

   ```
   #0896 *PGM2*
   SEND
                ERROR 8
   F1200111.DAT        OK
   ```

   JOB CODE/MODE TITLE

   DISPLAY FORMAT

   ```
   F1200111      OK?
   ```

   The TL key can be entered.

4. After the existing floppy disk, the CA key is entered.
   Then the remaining data is successfully stored in another file in the new disk.

   PRINT FORMAT

   ```
   #0896 *PGM2*
   SEND
                ERROR 8
   F1200111.DAT        OK
   F1200111.DAT        OK
   ```

   JOB CODE/MODE TITLE

DISPLAY FORMAT

```
SEND      F1201111
```

Note 1: The table file (file No. 700) cannot extend over multiple media (floppy disks).

Note 2: If the floppy disk contains any file that is the same in file name as the file to be created in a file creation step 2 or 4 above, "FILE NAME SEND?" appears on the ECR display.
To create the file, it is necessary to enter the TL key; and otherwise it is necessary to enter the [@/FOR] key.

Those file extending over multiple media (floppy disks) can be received by performing the ordinary receive operation (see 4-6)).

4-6) Receiving file data from the ER-02FD

This function causes the ECR to receive file data from the ER-02FD.

Procedure for PGM job #898

898 → [•] → [@/FOR] → (FILE No.) → [CA/AT]

The ECR can receive specified files from a floppy disk in the ER-02FD connected to it when the above job is performed.
If any specified file is not present in the ECR, a "ENTRY ERROR" error occurs.

PRINT FORMAT
When the send operation has successfully terminated:

```
#0895 *PGM2*
RECEIVE
F1100111.DAT        OK
```

JOB CODE/MODE TITLE

When the send operation has been canceled:

```
#0898 *PGM2*
RECEIVE
F1100111.DAT    ERROR4
```

ERROR4
(Specified file is not present.)

DISPLAY FORMAT
During a Receive operation

```
RECEIVE F1100111
```

* If ECR memory space is full when ECR is receiving the data, a "MEMORY FULL" error occurs. (The data received before the "MEMORY FULL" error occurs is valid.)

PRINT FORMAT
When "MEMORY FULL" error occurs:

```
#0895 *PGM2*
RECEIVE
F010XXXX.DAT        OK
MEMORY FULL
```

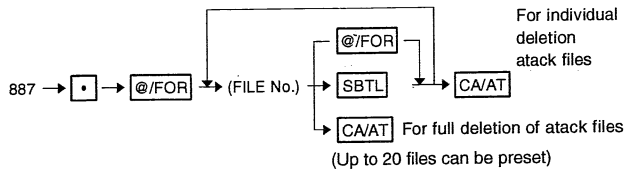
JOB CODE/MODE TITLE

4-7) Presetting and reading of stack files

The presetting of stack files enables those files to be loaded and dumped with a single job.
This presetting is of addition type. The following two kinds of presetting are available.

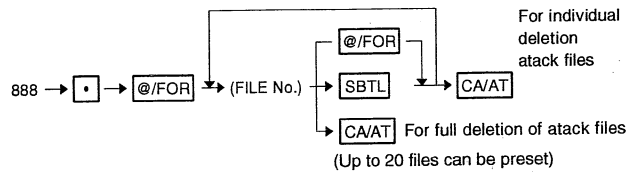
Stack file presetting 1

PGM2 MODE



Stack file presetting 2

PGM2 MODE



PRINT FORMAT
When "MEMORY FULL" error occurs:

```
#0887 *PGM2*
          F1101111.DAT
          F1201111.DAT
          F1301111.DAT
F1401111.DAT      ----
```

JOB CODE/MODE TITLE
Stack file preset
Individual deletion of stack file

Reading of preset stack files

(PGM2 MODE)

887 → [@/FOR] → [CA/AT]

PRINT FORMAT

```
#0887 *PGM2*

*887
          F1100111.DAT
          F1200111.DAT
          F1300111.DAT
*888
          F2101111.DAT
          F2201111.DAT
          F2301111.DAT
```

JOB CODE/MODE TITLE

4-8) Sending and receiving of stack files

Those files that have been preset by jobs #887 and #888 can be sent and received by using the following procedures:

Procedures for sending and receiving those files preset by presetting 1
(Job#887)

Procedure for Sending

PGM2 MODE

889 → [•] → [@/FOR] → [CA/AT]

Procedure for Receiving

PGM2 MODE

890 → [•] → [@/FOR] → [CA/AT]

Procedures for sending and receiving those files preset by presetting 2
(Job #888)

Procedure for Sending

890 → [•] → [@/FOR] → [CA/AT]

Procedure for Receiving

892 → [•] → [@/FOR] → [CA/AT]

PRINT FORMAT

SEND JOB

```
#0889 *PGM2*

SEND

F1101111.DAT        OK
F1401111.DAT        OK
F1501111.DAT        OK
F1301111.DAT        OK
F1601111.DAT        OK
```

JOB CODE/MODE TITLE

RECEIVE JOB

```
#0890 *PGM2*

RECEIVE

F1101111.DAT        OK
F1401111.DAT        OK
F1501111.DAT        OK
F1301111.DAT        OK
F1601111.DAT        OK
```

JOB CODE/MODE TITLE

DISPLAY FORMAT

The file F1301111.DAT is now being sent.

```
SEND    F1301111
```

The file F1401111.DAT is now being received.

```
RECEIVE F1401111
```

5. List of File Numbers and File Contents

File No.	Contents	REAL FILE No. (SRV#971)
000	UPC PRESET	33, 34, 35 (36), 37 (38)
005	D_UPC PRESET	44, 45, 46 (47), 48 (49)
010	DEPT PRESET	1, 2, 3 (4)
020	PLU PRESET	15, 16 (17), 18 (19)
021	LINK PLU PRESET	31
022	SET PLU PRESET	32
040	CLERK PRESET	64, 66
034	MISC TEXT PRESET	103
064	MESSAGE TEXT PRESET	101
065	GUIDANCE TEXT PRESET	102
085	CUSTOMER MASTER	104
700	OTHER (TABLE) PRESET	
090	KP PRESET	99, 100

File No.	Contents	REAL FILE No. (SRV#971)
100	UPC DAILY (PRICE1 or PRICE1–6)	40, 42
200	UPC TERM (PRICE1 or PRICE1–6)	41, 43
104	UPC STOCK (PRICE1)	39
105	DYNAMIC UPC DAILY (PRICE1 or PRICE1–6)	50, 52
205	DYNAMIC UPC TERM (PRICE1 or PRICE1–6)	51, 53
110	DEPT DAILY	5
210	DEPT TERM	6
115	DEPT DAILY (Mark Down)	10
215	DEPT TERM (Mark Down)	11
120	PLU DAILY (PRICE1 or PRICE1–6)	21, 26
220	PLU TERM (PRICE1 or PRICE1–6)	22, 27
124	PLU STOCK	20
130	TRANS. DAILY	59
230	TRANS. TERM	60
140	CLERK DAILY	68
240	CLERK TERM	69
160	HOURLY DAILY	81
270	DAILY NET	85, 86
600	T-LOG DATA	105

File No.	Contents	REAL FILE No. (SRV#971)
111	DEPT SAVE DAILY	7
112	DEPT CONSOL	8
116	DEPT SAVE DAILY (Mark Down)	12
117	DEPT CONSOL (Mark Down)	13
121	PLU SAVE DAILY (PRICE1 or PRICE1–6)	23, 28
122	PLU CONSOL (PRICE1 or PRICE1–6)	24, 29
131	TRANS. SAVE DAILY	61
132	TRANS. CONSOL	62
161	HOURLY SAVE DAILY	82
162	HOURLY CONSOL	83
272	DAILY NET CONSOL	87, 88

SHARP

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