8. PROGRAM (PGM) MODE PROGRAMMING

Basic programming format for PGM modes are as follows:

JOB code# → ⊡ → @/FOR → (data) → CA/AT

- See the descriptions of respective programming procedures given later for job code and data.
- Any program stored in the ECR do not change unless the decimal point key is pressed..

8-1. Printing of program reports

Key entry sequence

XXX → @/FOR → Range specification → CA/AT
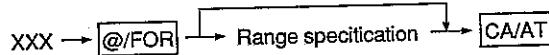
List of program reports

Job code	Report name
110	Department programming
120	PLU/Subdepartment programming
130	Programming of % rates and others functions

★
Range specification for program reports
Those program reports asterisked in the above list requires range specifications. If no range is specified, an error occurs when the CA/AT Key is depressed.
Range specification can be accomplished by using the following procedure.

▷→ XXXX → @/FOR → End No. → ▷
Start No.   XXXX
                   When a signal item
                   is programmed
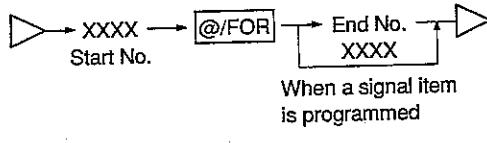
Pressing the CA/AT key prints a report on the receipt and journal.

8-2. JOB CODE LIST

JOB CODE	PROGRAMMING	
	ER-2386	ER-2396
110	DEPT. PRICE	DEPT. PRICE
210	DEPT. TYPE FUNCTION	DEPT. TYPE FUNCTION
211	DEPT. MODIFY	DEPT. MODIFY
212	HALO FOR DEPT	HALO FOR DEPT
120	PLU PRICE	PLU PRICE
121	PLU MODE, ASSOCIATED DEPT.	PLU MODE, ASSOCIATED DEPT.
221	PLU MODIFY	PLU MODIFY
130	RATE	RATE
230	NOT USED	MISC KEY PROGRAMMING-1
231	MISC KEY PROGRAMMING	
232	HALO FOR MISC KEY	HALO FOR MISC KEY
240	TAX TABLE	TAX TABLE
241	% TAX	% TAX
250	DATE	DATE
251	TIME	TIME
252	MACHINE No.	MACHINE No.
253	CONSECUTIVE No.	CONSECUTIVE No.
255	NOT USED	TIMES OF VALIDATION
256	OPTIONAL FEATURE	OPTIONAL FEATURE
260	MEDIA KEY PROGRAMMING	MEDIA KEY PROGRAMMING
261	HALO FOR MEDIA KEY	HALO FOR MEDIA KEY
262	HALO FOR CHECK CHANGE	HALO FOR CHECK CHANGE
270	NOT USED	TILL TIMER

8-3. PROGRAMMING

[JOB #110] MRS = 0.00
PROGRAMMING OF DEPT. PRICE

                              0 Price
110 → ⊡ → @/FOR → XXXXXX → DEPT No. → CA/A
                   Price
   For the next DEPT.
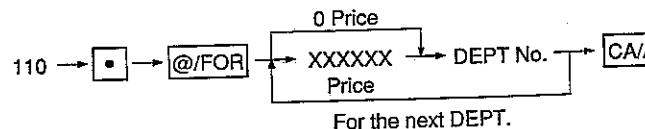
XXXXXX: 0~999999
Preset price is max. 6 digits.
Price can be programmed for each dept. If this programming is pe
formed, the ECR is automatically programmed to allow preset pri
entry even when it has not been programmed to allow preset pri
entry in dept. function programming (JOB#210).
MRS = 0.00

[JOB #210] ER-2386: MRS = 01
ER-2396: MRS = 0001

                              0000
210 → ⊡ → @/FOR → ABCD → DEPT No. → CA/A
              For the next DEPT.
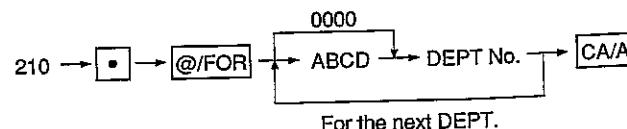
A: Only ER-2396

Hash departments	210-A
Disable	0
Enable	1

B: Only ER-2396

Item validation print	210-B
Non-compulsory	0
Compulsory	1

C: SIS Function

Normal	1
Signal item cash sale	0

D: Type of unit price entry

Inhibited	0
Open	1
Preset	2
Open & preset	3

[JOB #211] ER-2386: MRS = 00000
ER-2396: MRS = 00000

$$211 \rightarrow \boxed{\bullet} \rightarrow \boxed{@/FOR} \rightarrow \overset{00000}{ABCDE} \rightarrow DEPT \rightarrow \boxed{CA/AT}$$

For the next DEPT.

A:

Sign	211-A
+	0
−	1

B:

Tax 4 status	211-B
Non-taxable	0
Taxable 4	1

C:
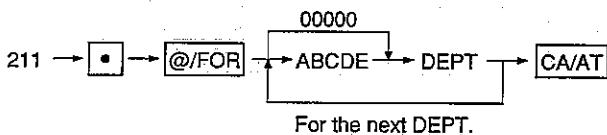
Tax 3 status	211-C
Non-taxable	0
Taxable 3	1

D:

Tax 2 status	211-D
Non-taxable	0
Taxable 2	1

E:

Tax 1 status	211-E
Non-taxable	0
Taxable 1	1

[JOB #212] ER-2386: MRS = 17
ER-2396: MRS = 17

Programming of the HALO (amount limit) for DEPTs.

$$212 \rightarrow \boxed{\bullet} \rightarrow \boxed{@/FOR} \rightarrow \overset{0}{AB} \rightarrow DEPT\ CODE \rightarrow \boxed{CA/AT}$$

For the next DEPT.
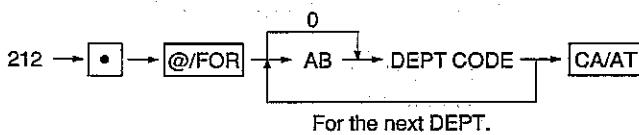
$AB = A \times 10^B$
A: Max digit figure = 1 ~ 9
B: No. of zeros following the MAX = 0 ~ 7

Note: When "0" is programmed for the "A" value in the procedure given above, only "0" can be programmed for the "B" value.

AB = 00 : enable
= 0X : disable
X0 : enable

[JOB #120] ER-2386: MRS = 0.00
ER-2396: MRS = 0.00

Price programming for PLUs

$$120 \rightarrow \boxed{\bullet} \rightarrow \boxed{@/FOR} \rightarrow PLU\ No. \rightarrow \boxed{PLU} \rightarrow \overset{0\ Price}{ABCDEF} \rightarrow \boxed{@/FOR} \rightarrow \boxed{CA/AT}$$
*1
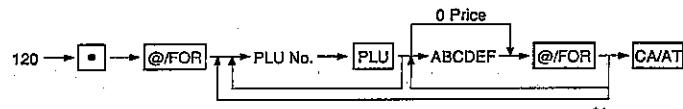
A ~ F: Unit price = 000000 ~ 999999

NOTE: • The preset amount (A through F) will work as the unit price for PLUs.

• Price programming for a PLU requires that the PLU has been declared in JOB #121.

• Automatically PLU code is incremented. (*1)
Next PLU code is not founded, then there is not any PLU code on display "P 0.00".

[JOB #121]

ER-2386: MRS = PLU code 001 ~ 020: PLU (assigned to
= others DEPT1)
: deleted

ER-2396: MRS = PLU code 001 ~ 020: PLU (assigned to
= others : DEPT1)
deleted

Programming of departments to be associated with PLUs.

$$121 \rightarrow \boxed{\bullet} \rightarrow \boxed{@/FOR} \rightarrow \overset{*1}{PLU\ No.} \rightarrow \boxed{PLU} \rightarrow \overset{*2}{A} \rightarrow DEPT\ No. \rightarrow \boxed{CA/AT}$$
Next PLU No. *3
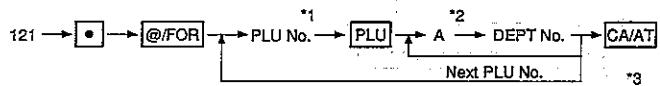
When the next PLU No. doess not directly follow the one just entered.

*1: PLU No = 1 through 150 for ER-2386
1 through 999 for ER-2396

*2: A: For ER-2386

Mode parameter	121-A
Inhibit PLU/Sub-Dept	0
Select the PLU mode	1
Select the Sub-Dept mode	2
Select the delete mode	3

A: For ER-2396

Mode parameter	121-A
Inhibit PUit PLU/Sub-Dept	0
Select the PLU mode	1
Select the Sub-Dept mode	2
Select the delete mode	3

*3: In case of setting all PLUs, the display is "P 0.00".

Note: • As soon as the programming is completed for one PLU, the next PLU number appears in the display.

• For the "A" value in the procedure given above, the values 0 can only be specified for existing PLU codes.

• You can only delete a specified PLU code only when the totalizer for the PLU container a sales amount of 0.

"INHIBIT" means that the PLU code and the contents of programming remain valid, but that any entry can't be made for the PLU.

[JOB #221] ER-2386: MRS = 00000
ER-2396: MRS = 00000

PLU modify programming

221 → [•] → [@/FOR] → PLU No. → [PLU] → ABCDE → [@/FOR] → [CA/AT]
"00000"
*1
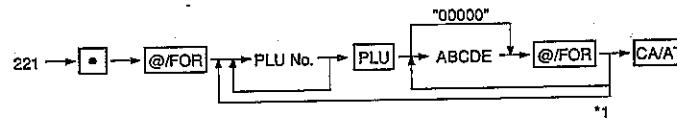
This programming is intended to decide the sign and tax status for PLU keys.

A:

Sign	221-A
+	0
−	1

B:

Tax 4 status	221-B
Non-taxable	0
Taxable 4	1

C:

Tax 3 status	221-C
Non-taxable	0
Taxable 3	1

D:

Tax 2 status	221-D
Non-taxable	0
Taxable 2	1

E:

Tax 1 status	221-E
Non-taxable	0
Taxable 1	1

[JOB #130] ER-2386: MRS = 0
ER-2396: MRS = 0

Rate programming

130 → [•] → [@/FOR] → RATE → { % / %1 / %2 / CONV } → [CA/AT]
0
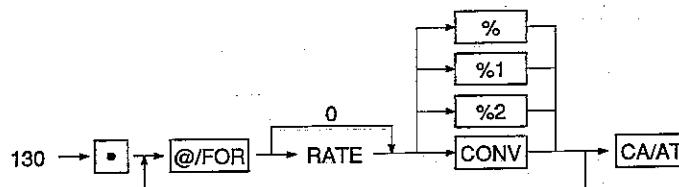
This programming is intended to reset % rate and conversion rate.

Function	Rate	Note
%	0.00 ~ 99.99	% rate for ER-2386
%1	0.00 ~ 99.99	%1 rate for ER-2396
%2	0.00 ~ 99.99	%2 rate for ER-2396
CONV	0.000 ~ 9999.999	Currency conversion rate

[JOB #230] ER-2386: Not used
ER-2396: MRS = 0

MISC key programming - 1

230 → [•] → [@/FOR] → A → { RA / PO } → [CA/AT]
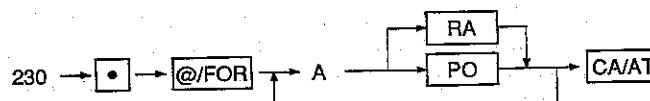
This programming is intended to select whether or not to enforce validation.
A: Only ER-2396

Validation	230-A
Non-compulsory	0
Compulsory	1

[JOB #231] ER-2386: MRS = 10000
ER-2396: MRS = 10000

MISC key programming - 2

231 → [•] → [@/FOR] → ABCDE → { % / %1 / %2 / ⊖ } → [CA/AT]
*1
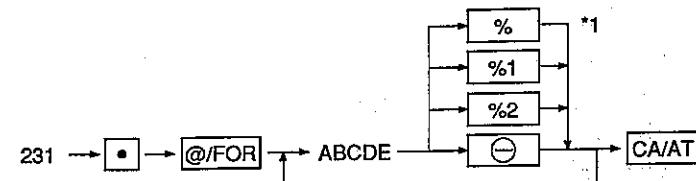
This programming is intended to decide the sign and tax status for misc keys.

*1 [%] key: only ER-2386
[%1] & [%2] key: only ER-2396

A:

Sign	231-A
+	0
−	1

B:

Tax 4 status	231-B
Non-taxable	0
Taxable 4	1

C:

Tax 3 status	231-C
Non-taxable	0
Taxable 3	1

D:

Tax 2 status	231-D
Non-taxable	0
Taxable 2	1

E:

Tax 1 status	231-E
Non-taxable	0
Taxable 1	1

[JOB #232] MRS = 17: ⊖, TAX
18: RA, PO

Programming of the HALO (amount limit) for MISC keys.

232 → [•] → [@/FOR] → AB → { TAX / ⊖ / RA / PO } → [CA/AT]
00
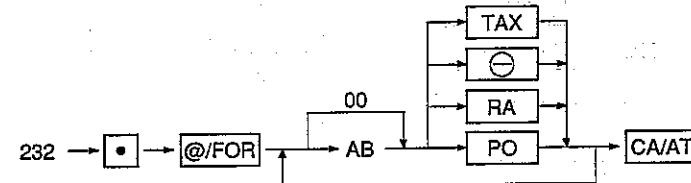
$AB = A \times 10^B$

A: Significant digit = 1 ~ 9
B: No. of zeros following the MAX.
⊖ and TAX key = 0 ~ 7
RA and PO key = 0 ~ 8

NOTE: When "0" is programmed for the "A" value in the procedure given above, only "0" can be programmed for the "B" value.

AB = 00 : Enable
= 0X : Disable
= X0 : Enable

[JOB #240] MRS = No TAX

1. Tax table programming for ER-2386

NOTE: Tax rate = 0% is established if the tax table has been programmed with GST for VAT.

240 → [•] → [@/FOR] → A → [@/FOR] → XXXXXX → [@/FOR]
      Declaration of TAX   TAX rate

→ XXXX → [@/FOR] → *1 XXX → [@/FOR] → XXXX → [@/FOR]
   Cycle   Initial TAX   Lower TAX limit

→ XXXXX → [@/FOR] → [CA/AT]
   Break point
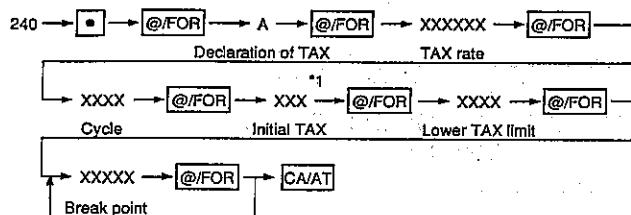
*1: Depression of the [SBTL] key at the following points means a tax table delete operation.

A: Table 1 programming = 1
   Table 2 programming = 2
   Table 3 programming = 3
   Table 4 programming = 4
TAX RATE   = 0.0001 ~ 99.9999%
CYCLE   = 0.01 ~ 99.99%
INITIAL TAX   = 0.01 ~ 9.99%
LOWEST TAX AMOUNT   = 0.01 ~ 99.99%
BREAK POINT   = 0.01 ~ 999.99% (MAX 40 POINT)

2. Tax table programming for ER-2396.

NOTE: "Tax rate = 0%" is established if the tax table has been programmed with GST for VAT.

240 → [•] → [#/SBTL] → A → [@/FOR] → XXXXXX → [@/FOR]
      (Tax kind declaration)   Tax rate (0.001~99.9999%)

→ XXXX → [@/FOR] → XXX → [@/FOR] → XXXX → [@/FOR]
   Cycle   Initial tax   Lower tax limit

→ XXXXX → [@/FOR] → [CA/AT]
   Break point
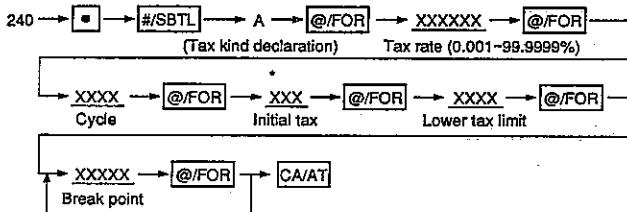
May be programming to 173 break points.

* It means to delete the tax table if the [SBTL] is pressed in the following timing.

A: TABLE 1 PROGRAMMING   = 1
   TABLE 2 PROGRAMMING   = 2
   TABLE 3 PROGRAMMING   = 3
   TABLE 4 PROGRAMMING   = 4
TAX RATE   = 0.0001 ~ 99.9999%
CYCLE   = 0.01 ~ 99.99
INITIAL TAX   = 0.01 ~ 9.99
LOWEST TAX AMOUNT   = 0.01 ~ 99.99%
BREAK POINT   = 0.01 ~ 999.99%

[JOB #241] MRS = No TAX

1. % TAX rate programming for ER-2386

NOTE: Lower tax limitation setting is disregarded if GST is VAT.
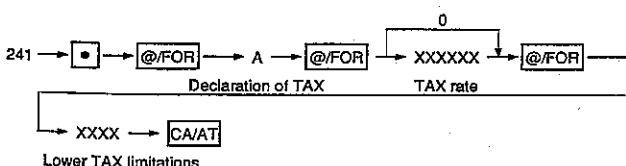
241 → [•] → [@/FOR] → A → [@/FOR] → XXXXXX → [@/FOR]
                     Declaration of TAX   TAX rate
            0

→ XXXX → [CA/AT]
   Lower TAX limitations

A: TABLE 1 PROGRAMMING   = 1
   TABLE 2 PROGRAMMING   = 2
   TABLE 3 PROGRAMMING   = 3
   TABLE 4 PROGRAMMING   = 4
% TAX RATE   = 0.0000 ~ 99.9999%
LOWER TAX LIMITATION = Max. 99.99
NOTE: When the tax table or tax rate is set, no decimal point key is required.

2. % TAX rate programming for ER-2396

NOTE: Lower tax limitation setting is disregarded if GST is VAT.
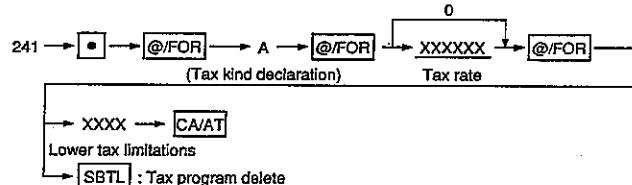
241 → [•] → [@/FOR] → A → [@/FOR] → XXXXXX → [@/FOR]
                     (Tax kind declaration)   Tax rate
                                    0

→ XXXX → [CA/AT]
   Lower tax limitations

→ [SBTL] : Tax program delete

A: TABLE 1 PROGRAMMING   = 1
   TABLE 2 PROGRAMMING   = 2
   TABLE 3 PROGRAMMING   = 3
   TABLE 4 PROGRAMMING   = 4
% TAX RATE   = 0.0000 ~ 99.9999%
LOWER TAX LIMITATION = 0.01 ~ 99.99
NOTE: When the tax table or tax rate is set, no decimal point key is required.

[JOB #250] MRS = 010100
Date setting

250 → [•] → [@/FOR] → XXXXXX → [CA/AT]
   Date data
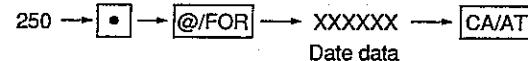
The entry format is the same as the print format (which is decided by SRV-mode programming).
A 6-digit integer must be entered for the date setting. Entering a zero first causes an error.

[JOB #251] MRS = 0000
TIME SETTING

251 → [•] → [@/FOR] → XXXX → [CA/AT]
                0
                     Time data
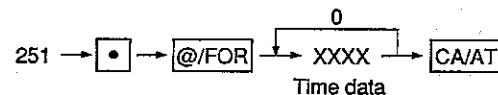
XXXX: 0 ~ 2359
The time must be entered on 24-hour system.
A 4-digit integer or smaller one must be entered for the time setting.

[JOB #259] MRS = 1: only ER-2396
Cashier drawer assignment

                           "0" (to keep the drawer closed)
259 → [•] → [@/FOR] → X → [@/FOR] → A → [SBTL] → [CA/AT]
                     Cashier No.
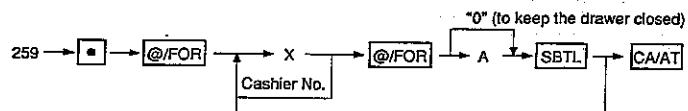
X: Cashier No.   A = 1
                 B = 2
                 D = 3
                 E = 4

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

NOTE: With the standard machine (without an optional drawer), any setting from 1 to 4 makes it possible to open the drawer in the register.

[JOB #260] ER-2386: MRS = 0

ER-2396: MRS = 000

Media key programming

```
260 → [•] → [@/FOR] ──→ ABC ──"000"──→ ┌─→ [@/FOR] ──*──┐
                                         ├─→ [CHK]       │
                                         ├─→ [CH1]       ├─→ [CA/AT]
                                         ├─→ [CH2]       │
                                         └─→ [CH] ───────┘
```
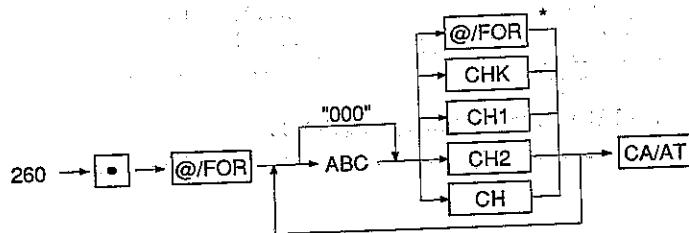
A: For ER-2386

Entry of amount tendered	260-A
Non-compulsory (for cash and check)/Inhibited (for charge)	0
Compulsory	1

For ER-2396

Change due	260-A
Enable	0
Disable	1

B: Only ER-2396

Validation printing	260-B
Non-compulsory	0
Compulsory	1

C: Only ER-2396

Entry of amount tendered	260-C
Non-compulsory (for cash and check)/Inhibited (for charge)	0
Compulsory	1

*: 1. The [@/FOR] key is used for [CA/AT] key programming.
   2. [CH] key is only ER-2386
   3. [CH1], [CH2] keys are only ER-2396

[JOB #252] MRS = 000

MACHINE NUMBER

```
252 → [•] → [@/FOR] ──0──→ XXX ──→ [CA/AT]
                            Machine No.
```
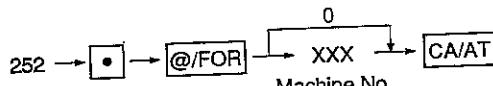
XXX = 0 ~ 999
A 3-digit integer or smaller one must be entered for the machine number setting.

[JOB #253] MRS = 000

CONSECUTIVE NO. SETTING

```
253 → [•] → [@/FOR] ──0──→ XXXX ──→ [CA/AT]
                            Consecutive No.
```
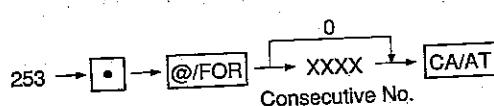
XXXX = 0 ~ 9999
A 4-digit integer or smaller one must be entered for the consecutive no. setting.

**[JOB #255] ER-2386: Not used**

ER-2396: MRS = 1

Programming of times of validation printing.

```
255 → [•] → [@/FOR] ──0 *1──→ A ──→ [CA/AT]
```
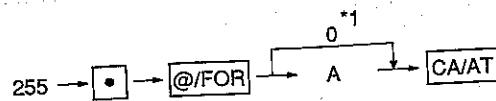
A: No. of times of validation printing = 0 ~ 9
*1: "0" means validation printing inhibited.

[JOB #256] ER-2386: MRS = 0000003

ER-2396: MRS = 00000003

Optional feature programming

```
256 → [•] → [@/FOR] ──"00000000"──→ ABCDEFGH ──→ [CA/AT]
```
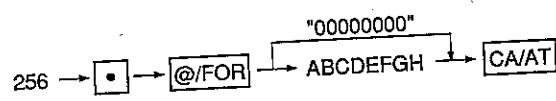
A:

SBTL VOID in REG mode	256-A
Allowed	0
Inhibited	1

B:

Indirect void in REG mode	256-B
Allowed	0
Inhibited	1

C:

Direct void in REG mode	256-C
Allowed	0
Inhibited	1

D:

Refund in REG mode	256-D
Allowed	0
Inhibited	1

E: For ER-2386

After receipt printing format	256-E
Detail	0
Total	1

For ER-2396

OP X/Z mode	256-E
Allowed	0
Inhibited	1

F: For ER-2386

Journal select	256-F
Not	0
Select	1

For ER-2396

After receipt printing format	256-F
Detail	0
Total	1

G: For ER-2386

Time printing format	256-G
No print Receipt & Journal	0
Receipt only	1
Journal only	2
Receipt & Journal	3

For ER-2396

Journal select	256-G
No	0
Yes	1

H: Only ER-2396

Time printing format	256-H
No print Receipt & Journal	0
Receipt only	1
Journal only	2
Receipt & Journal	3

[JOB #261] ER-2386: MRS = 18
ER-2396: MRS = 18

Programming of the HALO for media keys - 1
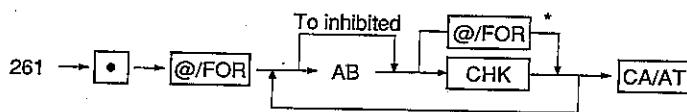
The limit is effect for the REG-mode operations.
HALO limit is represented by two figures as follows.

A: MAX digit figure = 1 ~ 9
B: No. of zeros following the max digit figure = 0 ~ 8
*: 1. The [@/FOR] key is used for "Check cashing" (only ER-2396)
  2. The [CHK] key is used for "Check change"

[JOB #262] ER-2386: MRS = 18
ER-2396: MRS = 18

Programming of the HALO for media keys - 2
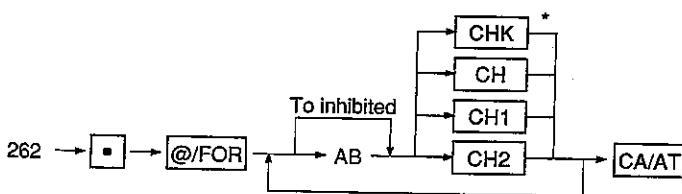
A: MAX digit figure = 1 ~ 9
B: No. of zeros following the max digit figure = 0 ~ 8
*: 1. [CH] key is only ER-2386
  2. [CH1], [CH2] keys are only ER-2396

[JOB #270] Only ER-2396: MRS = 000

PROGRAMMING OF THE TIME INTERVAL FOR THE TILL TIMER

xxx: 1 ~ 255 sec