
NEW CANADIAN TAX

INSTALLATION MANUAL

MODEL ER-2595

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AND NON-GST MODEL**
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1. IDENTIFYING THE ER-2595 GST MODEL AND NON-GST MODEL

1-1. IDENTIFYING THE ROM BASED ON THE KEY OPERATION

A) PGM2 mode

- Key entry

959 → **@/FOR** → **CA/AT**

- Printout

	Non-GST model	GST model
Stand alone (ROM1)	1 1.01	1 2.01
Stand alone (ROM2)	—	2 2.01

1-2. IDENTIFYING THE ROM BASED ON THE ID NUMBER ON THE ROM

	Non-GST model	GST model
Stand alone (ROM1)	RBH1A~RBH1E	RCG1A
Stand alone (ROM2)	—	RCG2A
ER-25RM option	RB1J1A~RB1J1B	—

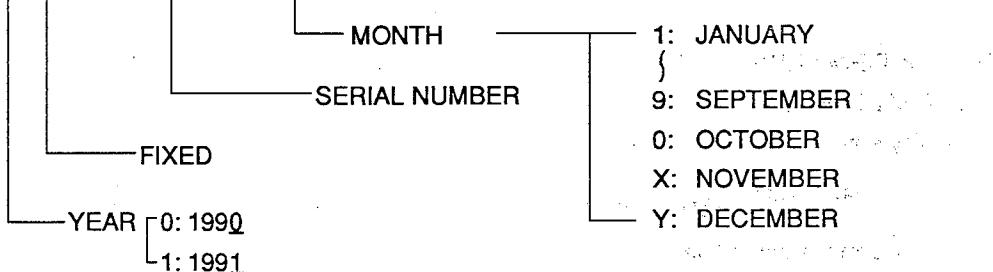
NOTE: The ER-25RM program is included in GST ROM2. Therefore, there is no need the ER-25RM for ER-20RS and ER-20IN option.

1-3. IDENTIFYING THE ROM BASED ON THE SERIAL NUMBER ON THE RATING PLATE

	GST model
For the production	From April, 1991
Range of applicable serial number	19000014 ~

NOTE 1: How to read the serial number

1 9 X X X X X 4



2. GST MODIFICATION PROCEDURE

2-1. BEFORE PROCEEDING WITH INSTALLATION

Check that your GST Kit includes the following:

- 2 EPROM (ROM1: "VHI27512RCG1A", ROM2: "VHI27512RCG2A")
- 2 "G" labels
- 1 "TAX 4 SHIFT" label
- 1 Operational Manual
- 1 "TAX 3 SHIFT" label

WARNING!

All programming and Sales information will be lost due to this modification. Remember to print the SRV/PGM programming information as well as the General Report and any other relevant reports prior to begining this procedure.

2-2. ROM REPLACEMENT PROCEDURE

- 1 - Unplug the machine
- 2 - Remove the top cabinet and then remove the keyboard unit
- 3 - Remove ROM 1 (IC9) from the socket on the main PWB
If the option ROM chip was installed to the ROM2 (IC8), the option ROM must be removed from the socket.
- 4 - Install the GST compatible ROM chips to the IC sockets of ROM1 and ROM2. Note the direction of chips.

ROM ID#) ROM1 : RCG1A
ROM2 : RCG2A

- 5 - Ensure the keyboard connector(s) has been fastened correctly and then replace the keyboard and top cabinet
- 6 - Perform a Master Reset:
 - Disconnect the AC cord from the wall outlet.
 - Turn the Mode Switch to SRV2 (6 o'clock) position.
 - Connect the AC cord to the wall outlet.
 - Press and hold the JOURNAL FEED key and turn the Mode Switch to the SRV1 (7 o'clock) position.

2-3. CONFIRMATION

A) PGM 2 mode

- Key entry :

959 → @/FOR → CA/AT

- The printout should be :

ROM 1 : 1 2. 01
ROM 2 : 2 2. 01

Main PWB layout

B) SRV1 mode (test function)

- Key entry :

ROM 1 : 130 → **CA/AT**

ROM 2 : 400 → **CA/AT**

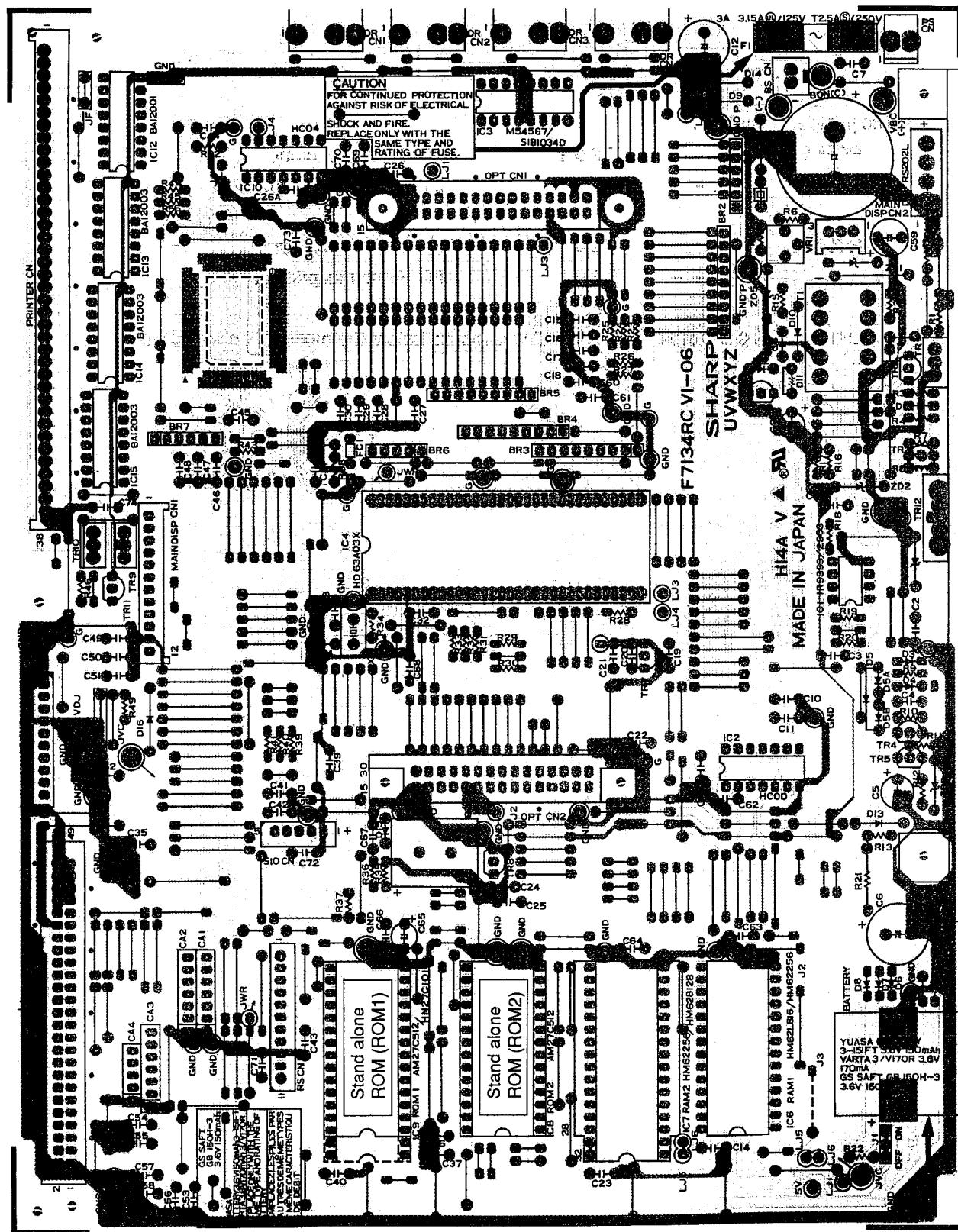
- The printout should be :

ROM 1 :	0 2 0 1	130 : Normal printout	
	E --	0 2 0 1	130 : Abnormal printout

ROM 2 :	0 2 0 1	400 : Normal printout	
	E --	0 2 0 1	400 : Abnormal printout

Reprogram the ECR using the information that was printed before the modification was done.

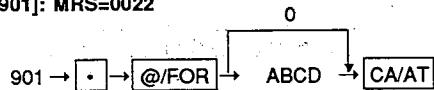
2-4. MAIN PWB LAYOUT



3. SRV MODE PROGRAMMING

(★ mark is MRS setting)

[JOB#901]: MRS=0022



901-A,B = Not used (Fixed at "00")

901-C = Selection of tax mode by country

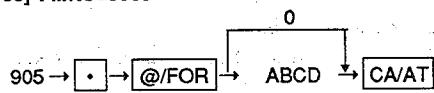
Tax setting by country	901-C
U.S.A.	0
CANADA	2
SINGAPORE	4

* To be fixed at CANADIAN tax.

901-D = TAB setting

TAB setting	901-D
0	0
0.0	1
0.00	2
0.000	3

[JOB#905] : MRS=0005



1. Taxable 4 subtotal on X/Z report: Print or Skip.
2. Gross Tax 4 and refund Tax 4 total on X/Z report: Print or Skip
3. Net Tax 4 total on X/Z report: Print or Skip

Taxable 4 subtotal on X/Z report	Gross tax 4 & refund tax 4 total on X/Z report	Net tax 4 total on X/Z report	905-A
Print	Print	Print	0
		Skip	1
	Skip	Print	2
		Skip	3
Skip	Print	Print	4
		Skip	5
	Skip	Print	6
		Skip	7

1. Tax amount printed on receipt when GST is VAT.
2. Tax amount printed when tax amount is "0".

1. GST for VAT	2. Tax amount at "0"	905-B
Print	Print	0
	Skip	1
Skip	Print	2
	Skip	3

905-C = GST EXPT sales is printed on the X/Z reports or skipped.

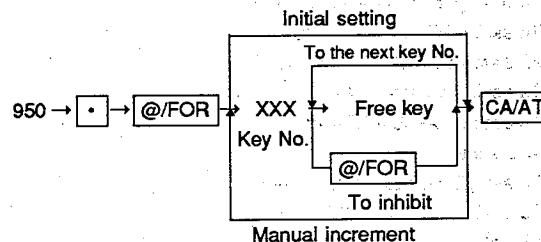
GST EXPT on the report	905-C
Print	0
Skip	4

905-D = 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#950]: Free key layout programming

- For information to program function keys other than the Tax 4 SHIFT key, please refer to page 34 of the ER-2595 Service Manual (code: 00ZER2595SM-E)



Tax 4 SHIFT key No. = 23

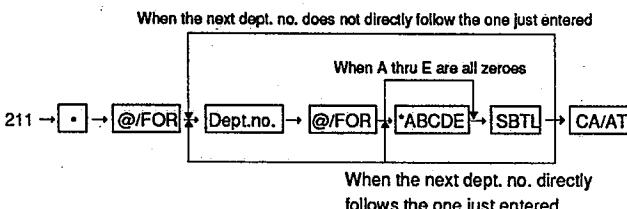
NOTE: "FS SHIFT" key no. is replaced by "TAX4 SHIFT".

4. PGM MODE PROGRAMMING

NOTE: Only when the Canadian tax mode is selected by Job#901-C during SRV mode programming, the following PGM setting becomes effective, except that the food stamp setting becomes invalid.

[JOB#211]: Department MODIFY setting MRS=00000

NOTE: Prevents PST or GST tax overlap.



*A: Sign (+/-)

To assign the plus sign, enter 0; and to assign the minus sign, enter 1.

B: Tax 4 status (fixed to the GST)

- To assign "non-taxable," enter 0.
- To assign "taxable 4," enter 1.

C: Tax 3 status (usable for the GST)

- To assign "non-taxable," enter 0.
- To assign "taxable 3," enter 1.

D: Tax 2 status

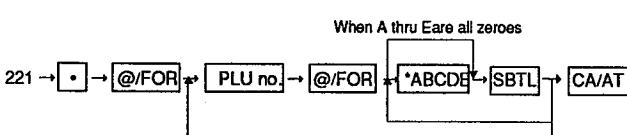
- To assign "non-taxable," enter 0.
- To assign "taxable 2," enter 1.

E: Tax 1 status

- To assign "non-taxable," enter 0.
- To assign "taxable 1," enter 1.

[JOB#221]: PLU MODIFY setting MRS=00000

NOTE: Prevents PST or GST tax overlap.



A: Sign (+/-)

To set as a plus PLU, enter 0, and to set as a minus PLU, enter 1.

B: Tax 4 status (fixed to the GST)

- To assign "non-taxable," enter 0.
- To assign "taxable 4," enter 1.

C: Tax 3 status (usable for the GST)

- To assign "non-taxable," enter 0.
- To assign "taxable 3," enter 1.

D: Tax 2 status

- To assign "non-taxable," enter 0.
- To assign "taxable 2," enter 1.

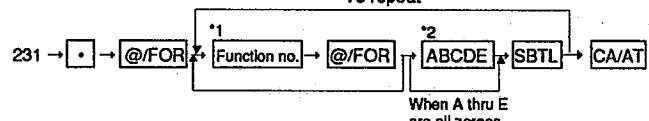
E: Tax 1 status

- To assign "non-taxable," enter 0.
- To assign "taxable 1," enter 1.

[JOB#231]: % key, \ominus key tax setting

MRS=10000

To repeat



A: Sign (+/-)

To select the + (premium) sign, enter nothing and to select the - (discount) sign, enter 1.

B: Tax 4 status (fixed to the GST)

- To assign "non-taxable," enter 0.
- To assign "taxable 4," enter 1.

C: Tax 3 status (usable for the GST)

- To assign "non-taxable," enter 0.
- To assign "taxable 3," enter 1.

D: Tax 2 status

- To assign "non-taxable," enter 0.
- To assign "taxable 2," enter 1.

E: Tax 1 status

- To assign "non-taxable," enter 0.
- To assign "taxable 1," enter 1.

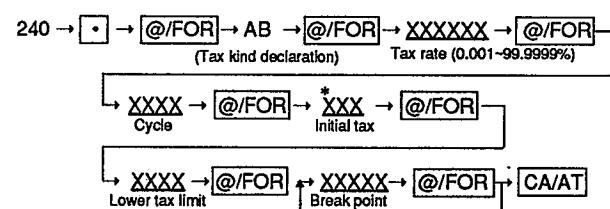
NOTE: The standard keyboard is not equipped with those keys marked with a (*).

With regard to $\ominus 1$, $\ominus 2$, $\ominus 3$, and $\ominus 4$ keys, the item A cannot be set.

PST'S or GST'S may overlap with each other in the tax status programming.

[JOB#240]: Tax table setting

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



May be programmed to 40 break points.

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

A : Interval between break points is 1 dollar or more = 1
Interval between break points is below 1 dollar = 0

B : 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

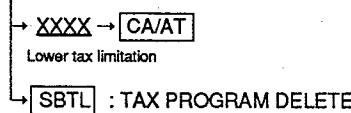
BREAK POINT = 0.01~999.99

If interval is more than a dollar, a maximum 20 break points may be set.

If interval is not more than a dollar, a maximum 40 break points may be set.

[JOB#241]: Tax rate setting

NOTE: Lower tax limitation setting is disregarded if GST is VAT.

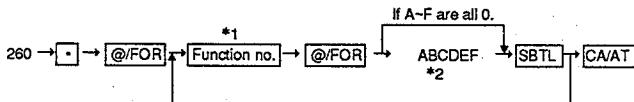


A : TABLE 1 PROGRAMMING	= 1
TABLE 2 PROGRAMMING	= 2
TABLE 3 PROGRAMMING	= 3
TABLE 4 PROGRAMMING	= 4
% TAX RATE	= 0.0000~99.9999%
LOWER TAX LIMITATION	= 0.01~99.99

NOTE: When the tax table or tax rate is set, no decimal point key is required.

[JOB#260] Media key programming - 1

MRS=000000



Function No.	Function	A	B	C	D	E	F
48	CA1	O	X	O	O	O	O
49	CA2	O	X	O	O	O	O
63	CHK	O	O	O	O	O	O
58	CH1	O	O	O	O	O	O
59	CH2	O	O	O	O	O	O
60	CH3	O	O	O	O	O	O
61	CH4	O	O	O	O	O	O
62	CH5	O	O	O	O	O	O

* Noted with a circle "O" is a programmable item.

*2 A : Automatic markdown for gasoline

To select automatic markdown, enter 1
To select automatic markdown, enter 0

B : Non-add code compulsory

To select compulsory non-add code entry, enter 1
To select optional non-add code entry, enter 0

C : Change enable

To select change disable, enter 1
To select change enable, enter 0

D : Validation print compulsory

To select compulsory validation, enter 1
To select optional validation, enter 0

E : Drawer open

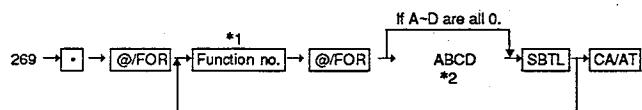
To have the drawer remain closed, enter 1
To have the drawer open, enter 0

F : Compulsory amount tendering

To select compulsory amount tendering, enter 1
To select optional amount tendering for CA/AT, CA2 or CHK key; and to inhibit amount tendering for CH1 thru CH5 keys, enter 0.

[JOB#269] Media key programming - 2

MRS=0000



Function No.	Function	A	B	C	D
48	CA1	O	O	O	O
49	CA2	O	O	O	O
63	CHK	O	O	O	O
58	CH1	O	O	O	O
59	CH2	O	O	O	O
60	CH3	O	O	O	O
61	CH4	O	O	O	O
62	CH5	O	O	O	O

* Noted with a circle "O" is a programmable item.

*2 A : Tax 4 calculation status

To delete tax 4, enter 1
To calculate tax 4, enter 0

B : Tax 3 calculation status

To delete tax 3, enter 1
To calculate tax 3, enter 0

C : Tax 2 calculation status

To delete tax 2, enter 1
To calculate tax 2, enter 0

D : Tax 1 calculation status

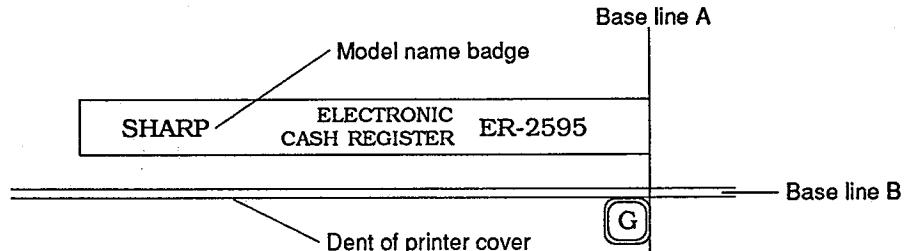
To delete tax 1, enter 1
To calculate tax 1, enter 0

For details of PGM programming, refer to the instruction manual.

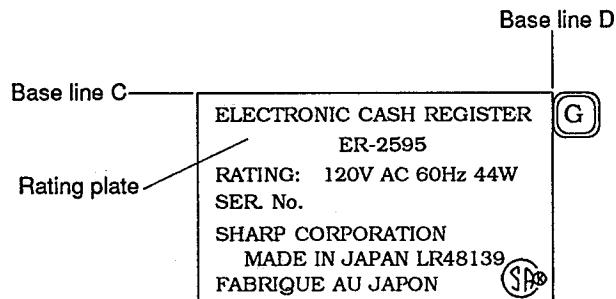
5. GST LABEL PLACEMENT

Place the 2 enclosed "G" labels on the cash register as shown here.

MODEL BADGE

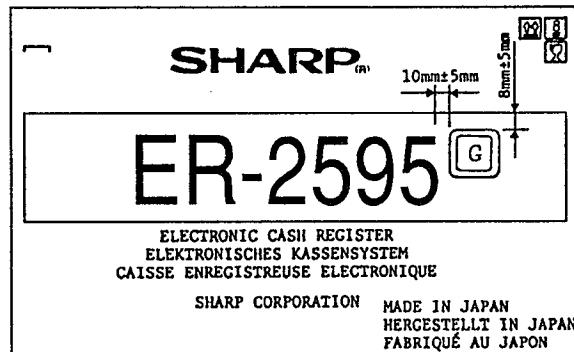


RATING PLATE



NOTE: Align and affix "G" label to the baselines of the model badge and rating plate as shown.

Mark carton with "G" as shown if kit is installed in stock machine.



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