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# **NEW CANADIAN TAX INSTALLATION MANUAL**

**MODEL ER-3100**

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## 1. IDENTIFYING THE ER-3100 GST MODEL AND NON-GST MODEL

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

	Non-GST model	GST model
Stand alone (ROM1)	R131B	RCQ1A
Stand alone (ROM2)	R132B	RCQ2A
ER-31RS option (ROM3)	R133B	RCQ3A

## 2. GST MODIFICATION PROCEDURE

### 2-1. BEFORE PROCEEDING WITH INSTALLATION

Check that your GST Kit includes the following:

- 2 EPROM (ROM 1: "VHI27256RCQ1A" and ROM 2: "VHI27256RCQ2A")
- 2 "G" labels
- 3 Kinds of display label
- 1 SRAM (HM6264ALP-15)
- 1 Operational Manual
- 2 IC sockets

#### 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 beginning this procedure.

### 2-2. ROM REPLACEMENT AND RAM INSTALLATION PROCEDURE

- 1 - Set it in the OFF mode and remove the AC plug from the wall outlet.

NOTE: The power may not be turned off in the OFF mode.

\* The AC plug must be removed from the wall outlet.

- 2 - Remove the top cabinet.

- 3 - Remove the RAM PWB from the main PWB.

(Remove the tape attached to RAM CN1 and CN2 with care not to twist it.)

- 4 - Install the RAM onto the RAM PWB

Insert the included RAM chip in the RAM2 (IC2) socket of the RAM PWB.

- 5 - <FROM NOVEMBER, 1990 PRODUCTION>

Remove the ROM1 (IC8) and ROM2 (IC9) of the main PWB from their IC sockets.

<BEFORE AND INCLUDING OCTOBER, 1990 PRODUCTION>

Both the ROM1 and ROM2 were directly soldered onto the main PWB.

Therefore remove the ROM chip and replace with an IC socket.

- 6 - Install the GST compatible ROM chips to the IC sockets of ROM1 and ROM2 with care for the ROM number and their installing directions.

ROM ID# of ROM1: RCQ1A

ROM ID# of ROM2: RCQ2A

- 7 - If an option ROM was installed to the ROM3 (IC10), the ROM3 option chip needs to be replaced with the new ER-31RS option ROM RCQ3A.

- 8 - Replace the RAM PWB.
- 9 - Check the connector if properly connected, then install the top cabinet.
- 10 - Perform a Master Reset:
  - Disconnect the AC cord from the wall outlet.
  - Turn the Mode Switch to SRV (6 o'clock) position.
  - Connect the AC cord to the wall outlet, while depressing the JOURNAL FEED key.

## 2-3. CONFIRMATION

The following two methods are provided for operation of the SRV position.

### ① ROM 1

- Key operation:

200 → CA/AT

- The printout should be:

	200	:	Normal printout
E - - - -	200	:	Abnormal printout

### ② ROM 2

- Key operation:

204 → CA/AT

- The printout should be:

	204	:	Normal printout
E - - - -	204	:	Abnormal printout

### ③ ROM 3 (option ROM)

- Key operation:

202 → CA/AT

- The printout should be:

	202	:	Normal printout
E - - - -	202	:	Abnormal printout

(including the case the option ROM not installed)

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

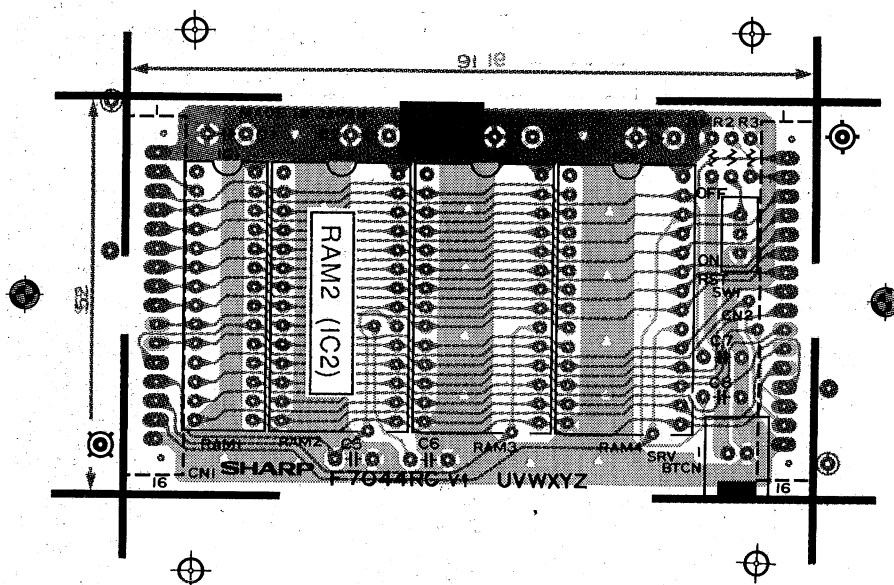
### 1) Main PWB layout



## 2) Memory PWB

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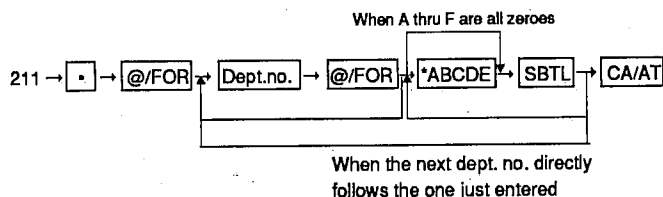
SHARP CORPORATION



## 4. PGM MODE PROGRAMMING

[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.

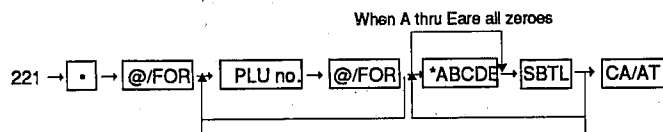
### E: Tax 1 status

- 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

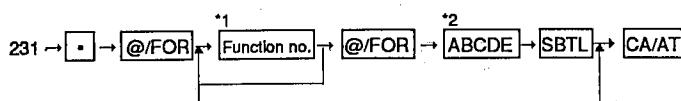
- To assign "non-taxable," enter 0.
- To assign "taxable 2," enter 1.

### E: Tax 1 status

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

[JOB#231]: % key, ⊖ key tax setting

MRS=10000



### \* 1: Function no.

3: For the [%1] key, 1: For the ⊖1 key

4: For the [%2] key, 2: For the ⊖2 key

### \* 2: As follows:

#### 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.

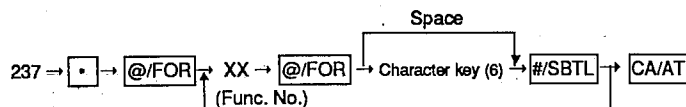
#### E: Tax 1 status

- 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 (\*).

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

[JOB#237]: MISC text setting



Function

Default No.

MRS=Default

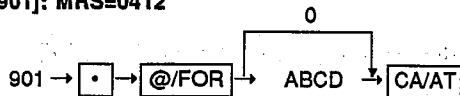
1	(-)1	2	(-)2	3	%1	4	%2	5	NET 1	6	TAX1ST
7	GRSTX1	8	RFDTX1	9	TAX 1	10	TAX2ST	11	GRSTX1	12	RFDTX2
13	TAX 2	14	MGRSTX	15	MRFDTX	16	M-TAX	19	TL TAX	20	NET 2
21	(-) PLU	22	VOID	23	VD MGR	24	VD TRN	25	RFND	26	VD (H)
27	RF (H)	28	NOSALE	29	VP CNT	30	TRY CN	31	DRW CN	32	CUSTOMR
33	NET 3	34	CASH	35	CASH2	38	***P/O	39	***R/A	40	CHK/CG
42	CONV	44	CH 1	45	CH2	46	CH3	47	CHECK	48	**C1D
49	**TTL	50	**SALE	52	CHNG	53	TRAYST	54	ST	57	TL*
58	TL*	59	TLH	60	TLH-	61	TAX3ST	62	GRSTX3	63	RFDTX3
64	TAX3	65	TAX4 ST	66	GRSTX4	67	RFDTX4	68	TAX4	69	GSTEX
70	PST TL	71	GST TL								

Characters can be entered by the use of either character keys or ten numeric keys.

### 3. SRV MODE PROGRAMMING

(★ mark is MRS setting)

[JOB#901]: MRS=0412



901-A = PLU option setting

PLU option	901-A
MAX 263 (standard)	0
MAX 565 (ER46PL1x1)	1
MAX 867 (ER46PL1x2)	2

901-B = 1. Change of code display at PLU entry DEPT/PLU code

2. PLU zero skip Yes/No

3. Department zero skip Yes/No

1. Code display at PLU entry	2. Zero skip PLU	3. Zero skip Dept	901-B
DEPT code	Skip	Skip	0
		Print	1
	Print	Skip	2
		Print	3
PLU code	Skip	Skip	4
		Print	5
	Print	Skip	6
		Print	7

901-C, D = Number of department

C, D = 01 ~ 40

[JOB#908] : MRS=2025



908-A = 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	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 = 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"	908-B
Print	Print	0
	Skip	1
Skip	Print	2
	Skip	3

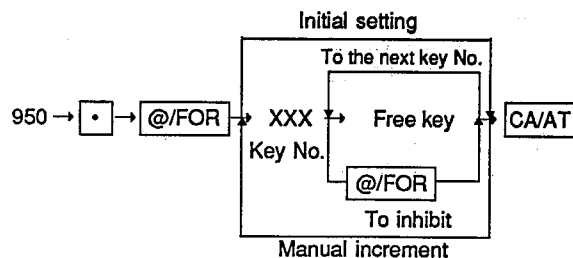
908-C = 1. GST EXPT sales is printed on the X/Z reports or skipped.

1. GST EXPT on the report	908-C
Print	2
Skip	6

908-D = Tax method

	Tax4 method (GST)	Tax3 method		Tax2,1 method (PST)	908-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

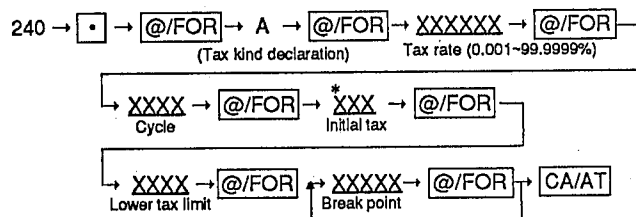


• Function key No.

Function key No.	Key name	Function key No.	Key name
1	0 KEY	26	RFND
2	1 KEY	27	VOID
3	2 KEY	28	MDSEST
4	3 KEY	29	TRAYST
5	4 KEY	30	CA2
6	5 KEY	31	CHK
7	6 KEY	32	CH1
8	7 KEY	33	CH2
9	8 KEY	34	CH3
10	9 KEY	35	FSTND
11	00 KEY	36	R/A
12	•	37	P/O
13	CL	38	NS
14	@/FOR	39	PRINT
15	#SBTL	40	RCPT
16	CA/AT	41	CONV
17	PLU#	42	L1
18	(-) 1	43	L2
19	(-) 2	44	L3
20	%1	45	TAX3 SHIFT
21	%2		
22	TAX		
23	TAX1 SHIFT		
24	TAX2 SHIFT		
25	TAX4 SHIFT	999	INHIBIT

# **[JOB#240]: Tax table setting**

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



Up to 144 break points can be programmed for any of TAX1 to TAX4.

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

NOTE: If the tax table was not provided with GST in the VAT mode, it will be handled as "VAT rate = 0%".

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

## **\*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

## **E: Drawer open**

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

## **F: Over tender**

To select dis allowed  
To select allowed

## **G: Validation print compulsory**

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

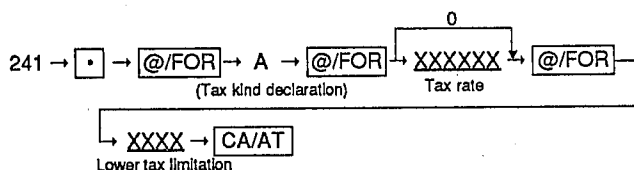
## **H: Compulsory amount tendering**

To select compulsory amount tendering, enter 1  
To select optional amount tendering, enter 0.

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

# **[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

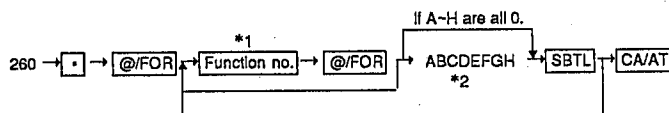
% TAX RATE = 0.0000~99.9999%

LOWER TAX LIMITATION = Max. 99.99

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

# **[JOB#260] Media key programming**

MRS=00000000



* 1	Function No.	Function	A	B	C	D	E	F	G	H
	34	CA1	O	O	O	O	O	X	O	O
	35	CA2	O	O	O	O	O	X	O	O
	44	CH1	O	O	O	O	O	O	O	O
	45	CH2	O	O	O	O	O	O	O	O
	46	CH3	O	O	O	O	O	O	O	O
	47	CHK	O	O	O	O	O	O	O	O

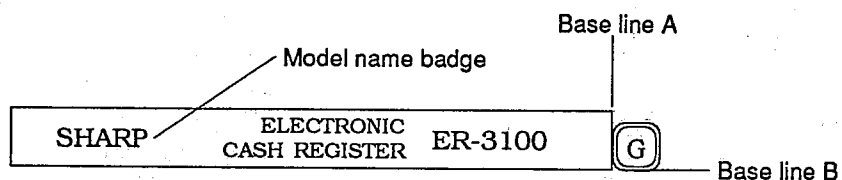
\* Noted with a circle "O" is a programmable item.



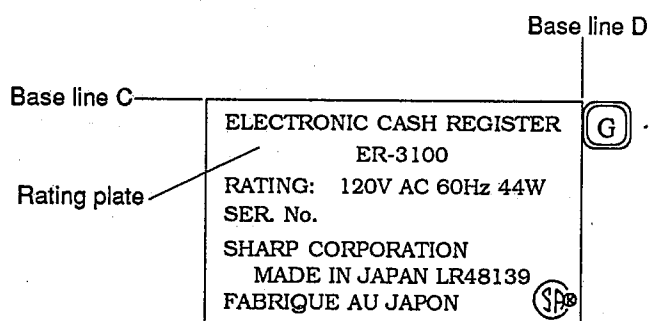
## 5. GST LABEL PLACEMENT

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

### MODEL BADGE

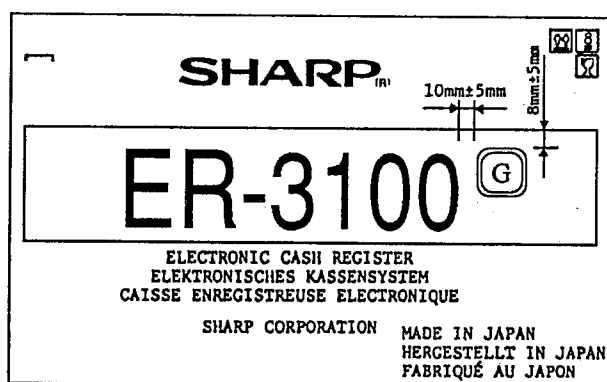


### RATING PLATE



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.



## 6. DISPLAY LABEL PLACEMENT

Attach the following three kinds of display labels.

### 6-1. PARTS LIST

No.	Parts code	Location
①	TLABH6889RCZZ	For operator display
②	TLABH6890RCZZ	For operator display
③	TLABH6891RCZZ	For customer display

### 6-2. SAMPLE

①:



②:



③:

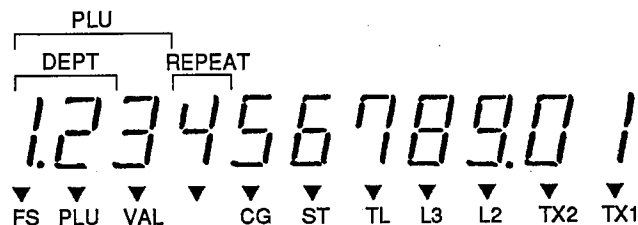


### 6-3. ATTACH LABELS

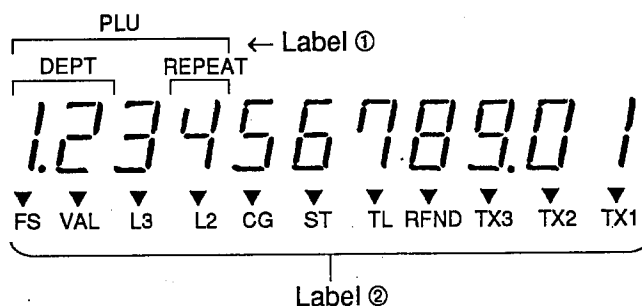
The following labels need to be attached over the locations where front display and customer display are printed currently.

Operator display : at two locations

1) Before attaching the label

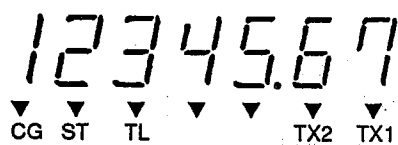


2) After attaching the label

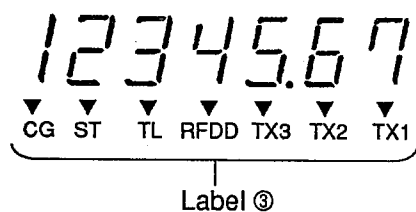


Customer display: at one location

1) Before attaching the label



2) After attaching the label



NOTE: Labels must be aligned to the printed character at the edge, when attaching the label.

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Apr. 1991 Printed in Japan (B)

## ATTENTION

### *ER-3100 UPGRADE TO ER-3100S*

*The GST upgrade for the ER-3100 converts it to the latest and greatest the ER-3100s.*

*Attached find documentation outlining changes and all service and program job codes affected by these changes.*

# SRV JOB Code List

JOB #	Meaning	
902		<p>902 - [ • ] - [ @/FOR ] - <math>\overline{0}</math> ABCD - CA/AT/NS</p> <p>MRS = 1040</p> <p>A. Drawer assignment to each operator</p> <p>0 = No drawer  1 = (A,B,D,E)1  2 = (A,B)1, (D,E)2  3 = (A)1, (B,D,E)2      A = 0-5  4 = (A)1, (B)2, (D,E)3  5 = (A)1, (B)2, (D)3, (E)4</p> <p>B. - Cashier transaction report  Yes/No      = 4/0</p> <p>- Operator sales total  includes tax Yes/No      = 0/2</p> <p>- Number of cashiers  2 cashiers/ 4 cashiers      = 0/1  B = 0-7</p> <p>C. - Bottle deposit Yes/No      = 0/4</p> <p>- Periodic consolidation  Yes/No      = 0/2</p> <p>- Void transaction Yes/No      = 0/1  C = 0-7</p> <p>D. - Loader/dumper transfer speed</p> <p>0 = 9600 BPS  1 = 4800 BPS  2 = 2400 BPS  3 = 1200 BPS  4 = 300 BPS</p>

# SRV JOB Code List

JOB #	Meaning	
903		<p>903 - [ • ] - [ @/FOR ] - <sup>0</sup>ABCD - CA/AT/NS</p> <p>MRS = 5020</p> <p>A. - Fraction treatment</p> <p>0: Discarded A = 0, 5 or 9</p> <p>5: Rounded to the nearest whole number</p> <p>9: Counted as round up</p> <p>B. - Addition of split pricing entry to totalizer counter</p> <p>Fractional/Whole Units = 4/0</p> <p>- Drawer close operation Compulsory/Noncompulsory = 2/0</p> <p>- Singaporean tax system Yes/No = 1/0</p> <p>B = 0-7</p> <p>C. - Tax delete Enable/Disable = 4/0</p> <p>- Error method in misoperation Misoperation/Lock = 0/2</p> <p>- Catch sound Yes/No = 0/1</p> <p>D. - Printing of non-add code Enable/Disable = 0/4</p> <p>- No sale entry after non-add code printing Enable/Disable = 0/2</p> <p>- Manual tax Enable/Disable = 0/1</p> <p>D = 0-7</p>

# SRV JOB Code List

JOB #	Meaning	
906		<p>906 - [ • ] - [ @/FOR ] - <sup>0</sup>ABCD - CA/AT/NS</p> <p>MRS = 0001</p> <p>A. -</p> <p>0:</p> <p>1:</p> <p>2:</p> <p>3:</p> <p>B. - #/ST depression before finalizing a transaction Compulsory/Noncompulsory = 4/0 - # key entry at the time of DPT/PLU entry = 2/0 - Non-add code 8 digits/14 digits = 0/1 B=0-7</p> <p>C. - RS232C Yes/No = 2/0 Check whether the amount of TRAY SBTL is zero before tendering/Not = 4/0</p> <p>D. - Type of logo message 0: 3 lines under stamp 1: Stamp alone 2: Logo, 1 line 3: Logo, 2 lines 4: Logo, 3 lines 5: Logo, 4 lines 6: Logo, 5 lines 7: Logo, 6 lines ( In 2-7, logo message is printed on receipt) D=0-7</p>



SRV JOB Code List

JOB #	Meaning	
907		<p>907 - [ • ] - [ @/FOR ] - <sup>0</sup> [ ABCD ] - CA/AT/NS</p> <p>MRS = 2000</p> <p>A. - Printing of taxable 3 total on X\Z report. Yes/No = 0/4</p> <p>- Printing of gross tax 3 and refund tax 3 totals on X\Z report. Yes/No = 0/2</p> <p>- Printing of NET tax 3 on X\Z report. Yes/No = 0/1</p> <p>B. - = 4/0</p> <p>- = 2/0</p> <p>- RA entry. Mixed entry/ Cash only = 1/0</p> <p>C. - After transaction receipt Details/Totals only = 4/0</p> <p>- Copy receipt function Yes/No = 2/0</p> <p>- = 1/0</p> <p>D. - = 4/0</p> <p>- = 2/0</p> <p>- = 1/0</p>

SRV JOB Code List

JOB #	Meaning				
908		<p>908 - [ • ] - [ @/FOR ] - <sup>0</sup> ABCD - CA/AT/NS</p> <p>A. - Taxable 4 subtotal print on X/Z report. Yes/No = 0/4</p> <p>- Gross tax 4 and refund tax 4 print on X/Z report. Yes/No = 0/2</p> <p>- Net tax 4 total print on X/Z report. Yes/No = 0/1</p> <p>B. - Tax amount print on receipt when GST is VAT. Yes/No = 0/2</p> <p>- Tax amount print when tax amount is "0". Yes/No = 0/1</p> <p>C. - GST EXPT sales print on X/Z report. Yes/No = 2/6</p> <p>D. - Tax method</p>			
	Tax4 method (GST)	Tax3 method		Tax 1,2 method(PST)	908-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

SRV JOB Code List

JOB #	Meaning	
912	GT2 Upper 6-digits	912 - [ • ] - [ @FOR ] - $\overline{\text{XXXXXX}}^0$ - CA/AT/NS
913	GT2 Lower 7-digits	913 - [ • ] - [ @/FOR ] - $\overline{\text{XXXXXXXX}}^0$ - CA/AT/NS
914	GT3 Upper 6-digits	914 - [ • ] - [ @/FOR ] - $\overline{\text{XXXXXX}}^0$ - CA/AT/NS
915	GT3 Lower 7-digits	914 - [ • ] - [ @/FOR ] - $\overline{\text{XXXXXXXX}}^0$ - CA/AT/NS

# PGM JOB Code List

JOB #	Department Modify Setting - Prevents PST or GST overlap
211	<p>0 Entry</p> <p>211 - [ • ] - [ @/FOR ] --- [ Dept no. ] -- ABCDE -- SBTL -- CA/AT/NS</p> <p>When the next department no. directly follows the one just entered.</p> <p>MRS = 00000</p> <p>A: - Sign Plus/Minus = 0/1</p> <p>B: Tax 4 status. Taxable/Non-taxable = 1/0</p> <p>C: Tax 3 status. Taxable/Non-taxable = 1/0</p> <p>D: Tax 2 status. Taxable/Non-taxable = 1/0</p> <p>E: Tax 1 status. Taxable/Non-taxable = 1/0</p>

JOB #	PLU Modify Setting - Prevents PST or GST overlap
221	<p>"0" Entry</p> <p>221 - [ • ] - [ @/FOR ] --- [ PLU no. ] -- ABCDE -- SBTL --- CA/AT/NS</p> <p>When the next PLU no. directly follows the one just entered.</p> <p>MRS = 00000</p> <p>A: - Sign Plus/Minus = 0/1</p> <p>B: Tax 4 status. Taxable/Non-taxable = 1/0</p> <p>C: Tax 3 status. Taxable/Non-taxable = 1/0</p> <p>D: Tax 2 status. Taxable/Non-taxable = 1/0</p> <p>E: Tax 1 status. Taxable/Non-taxable = 1/0</p>

# PGM JOB Code List

JOB #	% Key, (-) Key tax setting
231	<p>231 - [ * ] - [ @/FOR ] - [ Function no. ] - [ @/FOR ] - ABCDE - SBTL --</p> <p style="text-align: right;">CA/AT/NS</p> <p>* Function no.  3: For the % 1 key, 1: For the (-) 1 key  4: for the % 2 key, 2: For the (-) 2 key</p> <p>A: Sign. Plus/Minus = 0/1</p> <p>B: Tax 4 status.  Taxable/Non-taxable = 1/0</p> <p>C: Tax 3 status.  Taxable/Non-taxable = 1/0</p> <p>D: Tax 2 status.  Taxable/Non-taxable = 1/0</p> <p>E: Tax 1 status.  Taxable/Non-taxable = 1/0</p>

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JOB #	% Key, (-) Key tax setting																																																																																																																																																
231	<div>231 - [ * ] - [ @/FOR ] - [Function no.] - [ @/FOR ] - ABCDE - SBTL -<div></div></div> <div>CA/AT/NS</div> <div>* Function no.<div>3: For the % 1 key, 1: For the (-) 1 key</div><div>4: for the % 2 key, 2: For the (-) 2 key</div><div>A: Sign. Plus/Minus = 0/1</div><div>B: Tax 4 status.<div>Taxable/Non-taxable = 0/1</div></div><div>C: Tax 3 status.<div>Taxable/Non-taxable = 0/1</div></div><div>D: Tax 2 status.<div>Taxable/Non-taxable = 0/1</div></div><div>E: Tax 1 status.<div>Taxable/Non-taxable</div></div></div>																																																																																																																																																
234	Miscellaneous text setting																																																																																																																																																
	<div>234 - [ * ] - [ @/FOR ] - XX - [ @/FOR ] - Character(6) - SBTL - CA/AT<div></div></div> <div>(Funct. No.)</div> <table><tr><td>1</td><td>(-)</td><td>2</td><td>(-)</td><td>3</td><td>%1</td><td>4</td><td>%2</td><td>5</td><td>NET 1</td><td>6</td><td>TAX1ST</td></tr><tr><td>7</td><td>GRSTX1</td><td>8</td><td>RFDTX1</td><td>9</td><td>TAX 1</td><td>10</td><td>TAX2ST</td><td>11</td><td>GRSTX1</td><td>12</td><td>RFDTX2</td></tr><tr><td>13</td><td>TAX 2</td><td>14</td><td>MGRSTX</td><td>15</td><td>MRFDTX</td><td>16</td><td>M-TAX</td><td>17</td><td>FSTX1</td><td>18</td><td>FSTX2</td></tr><tr><td>19</td><td>TL TAX</td><td>20</td><td>NET 2</td><td>21</td><td>(-) PLU</td><td>22</td><td>VOID</td><td>23</td><td>VD MGR</td><td>24</td><td>VD TRN</td></tr><tr><td>25</td><td>RFND</td><td>26</td><td>VD (H)</td><td>27</td><td>RF (H)</td><td>28</td><td>NOSALE</td><td>29</td><td>VP CNT</td><td>30</td><td>TRY CN</td></tr><tr><td>31</td><td>DRW CN</td><td>32</td><td>CUSTOM</td><td>33</td><td>NET 3</td><td>34</td><td>CASH</td><td>35</td><td>CASH2</td><td>36</td><td>FSSALE</td></tr><tr><td>37</td><td>FSTEND</td><td>38</td><td>***P/O</td><td>39</td><td>***P/A</td><td>40</td><td>CHK/CG</td><td>41</td><td>FSCG</td><td>42</td><td>CONV</td></tr><tr><td>43</td><td>*FS1D</td><td>44</td><td>CH 1</td><td>45</td><td>CH2</td><td>46</td><td>CH3</td><td>47</td><td>CHECK</td><td>48</td><td>**C1D</td></tr><tr><td>49</td><td>**TL</td><td>50</td><td>**SALE</td><td>51</td><td></td><td>52</td><td>CHNG</td><td>53</td><td>TRAYST</td><td>54</td><td>ST</td></tr><tr><td>55</td><td></td><td>56</td><td></td><td>57</td><td>TL*</td><td>58</td><td>TL*</td><td>59</td><td>TLH</td><td>60</td><td>TLH</td></tr><tr><td>61</td><td>TAXGST</td><td>62</td><td>GRSTX3</td><td>63</td><td>RFDTX3</td><td>64</td><td>TAX3</td><td>65</td><td>TAX4 ST</td><td>66</td><td>GRSTX4</td></tr><tr><td>67</td><td>RFDTX4</td><td>68</td><td>TAX4</td><td>69</td><td>GSTEX</td><td>70</td><td>PST TL</td><td>71</td><td>GST TL</td><td></td><td></td></tr></table>	1	(-)	2	(-)	3	%1	4	%2	5	NET 1	6	TAX1ST	7	GRSTX1	8	RFDTX1	9	TAX 1	10	TAX2ST	11	GRSTX1	12	RFDTX2	13	TAX 2	14	MGRSTX	15	MRFDTX	16	M-TAX	17	FSTX1	18	FSTX2	19	TL TAX	20	NET 2	21	(-) PLU	22	VOID	23	VD MGR	24	VD TRN	25	RFND	26	VD (H)	27	RF (H)	28	NOSALE	29	VP CNT	30	TRY CN	31	DRW CN	32	CUSTOM	33	NET 3	34	CASH	35	CASH2	36	FSSALE	37	FSTEND	38	***P/O	39	***P/A	40	CHK/CG	41	FSCG	42	CONV	43	*FS1D	44	CH 1	45	CH2	46	CH3	47	CHECK	48	**C1D	49	**TL	50	**SALE	51		52	CHNG	53	TRAYST	54	ST	55		56		57	TL*	58	TL*	59	TLH	60	TLH	61	TAXGST	62	GRSTX3	63	RFDTX3	64	TAX3	65	TAX4 ST	66	GRSTX4	67	RFDTX4	68	TAX4	69	GSTEX	70	PST TL	71	GST TL		
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43	*FS1D	44	CH 1	45	CH2	46	CH3	47	CHECK	48	**C1D																																																																																																																																						
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67	RFDTX4	68	TAX4	69	GSTEX	70	PST TL	71	GST TL																																																																																																																																								

# PGM JOB Code List

JOB #	Tax rate setting
241	<p>241 - [ * ] - [ @/FOR ] - A - [ @/FOR ] - <sup>0</sup>xxxxxxx - [ @/FOR ]</p> <p>(tax kind) (Tax rate)</p> <p>xxxxx - CA/AT/NS</p> <p>(Lower tax amount)</p> <p>A: - Table 1 programming = 1</p> <p>- Table 2 programming = 2</p> <p>- Table 3 programming = 3</p> <p>- Table 4 programming = 4</p> <p>% Tax rate = 0.0000 - 99.9999%</p> <p>Lower tax limitation = Max. 99.99</p> <p>Note: When the tax table or tax rate is set, no decimal point key is required.</p>

## PGM JOB Code List

Function No.	Function	A	B	C	D	E	F	G	H
34	CA1	O	O	O	O	O	X	O	O
35	CA2	O	O	O	O	O	X	O	O
44	CH1	O	O	O	O	O	O	O	O
45	CH2	O	O	O	O	O	O	O	O
46	CH3	O	O	O	O	O	O	O	O
47	CHK	O	O	O	O	O	O	O	O

A: Tax 4 calculation status.  
 Calculate/Delete = 0/1

B: Tax 3 calculation status.  
 Calculate/Delete = 0/1

C: Tax 2 calculation status.  
 Calculate/Delete = 0/1

D: Tax 1 calculation status.  
 Calculate/Delete = 0/1

E: Drawer open. Yes/No. = 0/1

F: Over tender. Yes/No. = 0/1

G: Change enable. Yes/No. = 1/0

H: Compulsary amount tender.  
 Yes/No. = 0/1