

## CUSTOM KEYBOARD POSITIONING

*The placing of department and direct PLU keys on the keyboards of the models ER-3100S/ ER-3110/ER-3250/ER-3310/ER-3311 requires assigning key numbers to the hard keyboard positions and then assigning departments and PLUs to these positions.*

*The procedure to accomplish this is as follows:*

- 1) *Allocate the number of PLUs you wish to place on the keyboard by programming them for Level 1 using P227. The ER-3100S requires you to allocate the remaining PLUs to Level 2 or only 22 PLUs can be created with P121.*
- 2) *Go to Service Mode and enter 951 (.) @. You will see "DEPT 001" on the display. Depress the key on the keyboard where you want the first department to be located. You have now allocated KEY #001 to this position. The display advances to KEY #002 so you can proceed to place the department key numbers on the keyboard. When the departments have been allocated the next key number will be used to place the position of the first PLU. You will then allocate the PLU key numbers to their position on the keyboard.*  
*(ex) to allocate keys for 4 Departments and 5 Direct PLUs. Allocate key numbers #1, #2, #3 and #4 for the departments. This means the key number for the first direct PLU will be #5 and the remaining PLUs will have key numbers #6, #7, #8, #9 and #10.*
- 3) *P219 is used to link the department key numbers to their departments and P229 is used to link the PLU key numbers to their PLUs.*

## LEVEL PROGRAMMING

*P227 is used to program levels. Level 1 will be all the PLUs which will be assigned keyboard positions. The first PLU programmed for Level 2 will be the PLU which will be accessed when you depress the "LEVEL 2" key and the first direct PLU on the keyboard. The first PLU programmed for Level 3 will be the PLU which will be accessed when you depress the "LEVEL 3" key and the first direct PLU on the keyboard. All other PLUs will be accessed the same way in ascending order.*

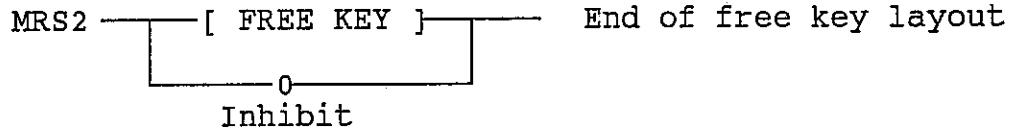
SRV JOB Code List

JOB #	Meaning		
901		<p>901 - [ • ] - [ @/FOR ] - <u>0</u> ABCD - CA/AT/NS</p> <p>MRS = 0412</p> <p>A: - PLU Option</p> <p>0: Max 285 (standard)      1: Max 587 (ER46PL1 x 1)      2: Max 889 (ER46PL1 x 2)</p> <p>B: - Change of code display at      PLU entry.DPT/PLU code. = 0/4</p> <p>- PLU zero skip. Yes/No. = 0/2</p> <p>- Department zero skip.      Yes/No. = 0/1</p> <p>C &amp; D: - Number of      departments = 1-40</p>	

Free Key Layout Programming (According to ER-3310/11 specification)

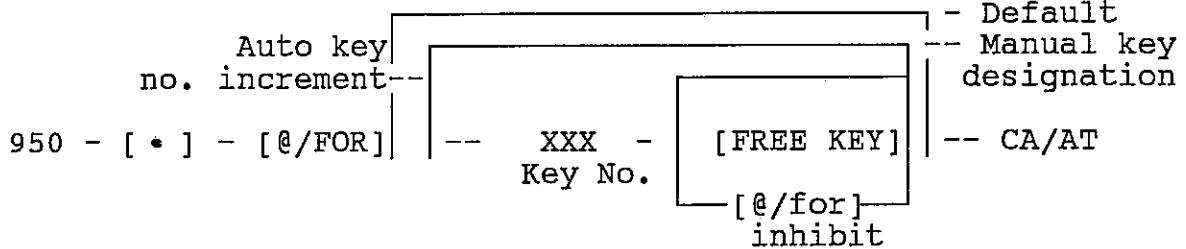
- A: Free key layout programming applies to all the keys except for the receipt feed key and journal feed key.
- B: The number of key positions for keys is pending.
- C: For free key layout programming, the keys are divided into the following three groups:
  - Group 1: Numeric keys (0 to 9 and 00), ".", "CL", "@/for", "SBTL", and "CA/AT keys.
  - Group 2: Direct keys (Department or PLU)
  - Group 3: Other function keys than Group-1 and Group-2 keys.
- D: The Group-1 and Group-3 keys are assigned a key number for the programming.
- E: Programming of Group-1 keys

With both the receipt feed key and journal feed key pressed down, turn on the power. Then, lay out the free keys numbered 1 to 16 (i.e. numeric keys and "CL", ".", "@/for", "SBTL", and "CA/AT" keys).



- \* 1: The "0" key is the first to be programmed. After that programming, a depression of the "0" key in any other key programming will inhibit the key whose number is on the display. The "0" key cannot be inhibited.
- \* 2: Press the key whose position a particular key is to be assigned. The key whose number is displayed is thereby assigned to the key position of the key pressed.

F: Free key layout (excluding department keys)



When the key no. 999 is entered (displayed), the key position of the key pressed will be disused (inhibited)

## G: Key position programming of Group-2 Keys

Job# 951

951 -- [•] -- [#/for] -- - xxx - -- [Free Key] ----- - CA/AT  
 Key No. [#/for]  
 inhibit

## Automatic Key No. Increment

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

PGM JOB Code List

JOB #	Direct Department Key Definition
219	<p>219 - [ • ] - [ @/FOR] -- XXX -- [ @/FOR] -- ab -- SBTL - CA/AT/NS</p> <p>XXX - Key No. = 1 to 158</p> <p>ab - Dept Code = 1 to 40</p>
229	<p>229 - [ • ] - [ @/FOR] -- XXX -- [ @/FOR] -- abcd -- SBTL - CA/AT/NS</p> <p>XXX - Key No. = 1 to 158</p> <p>abcd - PLU Code = 1 to 158</p>
227	<p>227 - [ • ] - [ @/FOR] -- a -- [ @/FOR] -- XXXX -- [ @/FOR] -- YYY --</p> <p>level start end</p> <p>No. code code</p> <p>SBTL - CA/AT/NS</p> <p>a - Level No. = 1 to 3</p> <p>XXXX - Start PLU Code = 1 to 9999</p> <p>YYYY - End PLU Code = 1 to 9999</p>